HWANG CHERNG BIN

Specialty Tools Inc.

HWANG CHERNG BIN
H.C.B
®

SINCE 1990

30th Anniversary



A1704



A1711



A1621



A1787



B1623

COMPANY PROFILE

HWANG CHERNG BIN (H.C.B) Specialty Tools Inc, was founded in 1990, and served as an very important supplier of automotive tools / truck tools in the world. H.C.B focuses on developing special tools for Mercedes-Benz, BMW, Volkswagen, Audi, Volvo, Scania, Man, Hino, Isuzu, Honda, Toyota……, etc. Those tools are for chassis, engine, transmission, panel, wheels repair, and especially for chassis. There have been over 1600 products in H.C.B's catalogue which can meet most mechanics' needs.

Factory of H.C.B covering around 4000 square meters consists of testing lab, R&D lab, sample room, international sales office, training room, and employee lounge room. Those facilities give great benefits to employees to work with high efficiency.

H.C.B is a world-famous automotive/truck tool supplier due to its products' stable high quality, innovation and variety. H.C.B's products have great quality because of more than 25-year experience in producing automotive tools. Besides H.C.B has a professional test lab for testing products before shipping to make sure the products which customers receive are intact. Additionally, H.C.B earns ISO 9001/CE/TUV approval to ensure the excellent quality.

H.C.B has R&D team and R&D lab as well to develop new tools on its own. Not only developing new tools by itself, but also working with its customers and workshop mechanics, in order to solve their vehicle repair problems and find inspiration of new tools. Thanks to R&D team, and cooperation with customers, HCB has developed over 1600 products. Furthermore, to create products' uniqueness and value, H.C.B has more than 80 patents in USA, Germany, Japan, and Taiwan. Moreover, H.C.B is the only manufacturer in Taiwan and the only few manufacturers in the world which produces truck tools. As a result of the reliable quality, various, unique and valuable products, H.C.B has supplied automotive/truck tools to over 60 different markets across all continents in the planet.

The goal of H.C.B is to develop and supply the optimal automotive/truck tools which can make vehicle repair quicker, easier, safer and more economical to solve the problem of vehicle repair and help mechanics all over the world.



Brand Story

台灣1990年代
在全球化的加速發展下，國際競爭力已成為工商企業存在與繁榮的關鍵因素。
In 1990's Taiwan.
Under the accelerated development of globalization, the international competitiveness of businesses has become a key in the existence and prosperity.
Taiwan in den 80ern
Unter der beschleunigten Entwicklung der Globalisierung hat sich die internationale Wettbewerbsfähigkeit der Unternehmen zu einem Schlüssel zu Existenz und Wohlstand entwickelt.

由於面臨國內產業外移腳步加快，大廠外移的處境，原本創立於1990/05/01以接單製造機械零件加工之業務為主的鉅祥公司面臨到了訂單縮減的重大問題，但危機未嘗不是轉機？
Faced with the acceleration of the domestic industry relocation, Gu Siang Tools Develop Co., Ltd., founded in 1990/05/01 and doing the manufacture of mechanical parts processing, faced with losing orders. But a crisis is also a turning point, isn't it?
Mit Blick auf die heimische Industrie um den Standort voran zu bringen, wurde Gu Siang Tools Co. Ltd. zur Herstellung und Verarbeitung mechanischer Teile am 05.01.1990 gegründet, trotz verringerter Bestellungen. Aber ist eine Krise nicht auch ein Wendepunkt?

契機來的突然，黃盛彬先生某日接獲友人來電說道:「友人因苦惱修車時遇到無法將零件拆卸更換的問題，所以希望黃盛彬先生可以幫忙解決。」黃盛彬先生熱心助人並馬上前往查看，苦思許久後製作出了修護工具並解決朋友的問題。
Opportunity came suddenly, Mr. Hwang Cherng Bin received a call for help one day. It was from a friend who was distressed about how to disassemble and replace parts of the car. Mr. Hwang went and checked. After thinking for a while, Mr. Hwang came up with an idea that he could produce repair tools to solve the problem. And finally Mr. Hwang solved the friend's problem.
Die Gelegenheit kam plötzlich als Mr. Hwang Cherng Bin eines Tages einen Hilferuf eines Freundes bekam, der verzweifelt war wie man Teile auseinander baut und sie ersetzt. Mr. Hwang ging, prüfte und kam nach langer Zeit wieder um ein Reparaturwerkzeug zur Problemlösung herzustellen.

友人感謝之餘，希望向黃盛彬先生購買此修護工具，黃盛彬先生才恍然大悟或許這是可以解決公司面臨訂單縮減的契機，非常感念友人給予的契機.
This friend thanked and would like to purchase this repair tool. Mr. Hwang suddenly realized this can save the company from facing reduction of orders. Until now, Mr. Hwang has an immense gratitude to this friend for the opportunity he gave.
Dieser Freund bedankte sich und wollte gerne das Reparaturwerkzeug kaufen. Mr. Hwang dämmerte, dass das der Firma helfen kann um den verringerten Bestellungen entgegenzuwirken. Bis heute ist Herr Hwang diesem Freund für diese Möglichkeit sehr dankbar.

鉅祥公司致力於汽車修護工具之製造加工，品質長期受業界肯定，於西元2000年自創H. C. B AUTO TOOLS品牌，並以開發BENZ及BMW汽車特殊修護工具為主要目標，提高產品附加價值，另一方面持續開發卡車特殊修護工具、引擎、底盤、輪胎定位、鈑金修護工具，品質優良，造福保養汽車同業，頗受好評。
此外，鉅祥公司也是台灣唯一的卡車工具研發廠商並且榮獲了政府補助。
After that, Company has been concentrating on the production for a wide range of Auto Maintenance Tools and thus built up OBM-H.C.B SPECIALTY TOOLS. H.C.B regards the design and development of BENZ & BMW repair tools as primary object to increase the value of products. On the other hand, company continues to develop special truck repair tools for engines, chassis and tire position. As a result of our high quality products and outstanding customer service, H.C.B has gained a global sales network reaching all over the world. Not only well appreciated by purchasers, but also HCB accesses government subsidies because HCB is the only truck repairing tool manufacturer in Taiwan.
Seitdem ist die Firma mit der Produktion eines weiten Spektrums von Kfz-Wartungswerkzeugen beschäftigt und gründete OBM-H.C.B SPEZIALWERKZEUGE.
H.C.B. ist mit dem Design und der Entwicklung von Kfz-Reparaturwerkzeugen für BENZ & BMW beschäftigt. Auf der anderen Seite setzt das Unternehmen die Entwicklung spezieller Reparaturwerkzeuge für LKW, Motoren, Karosserie und Fahrwerk fort. Als Ergebnis unserer hohen Produktqualität und unseres Kundenservice, hat H.C.B. ein globales Vertriebsnetzwerk erreicht. Nicht nur von seinen Kunden geschätzt, sondern auch der einzige Hersteller von LKW Reparaturwerkzeugen mit Zugang zu staatlichen Subventionen.

Hwang, Cherng Bin

Company History

27 years of quality insisting and R&D





1990 ~ 1999



- 創立鉅祥工業社(董事長 黃盛彬 先生)(1990.5.1)
  Mr. Hwang Cherng Bin built up Gu Siang industrial Co.
  台湾嘉義県にて鉅祥工業社として黃盛彬が会社創設 創業者 黃盛彬 会長に就任 (1990.5.1)
- 開始代工多國品牌汽修工具
  Started out doing OEM works for many countries.
  自動車用修復工具の改良ニーズへの対応OEM·海外代理店問合せを始める。
- 開發第一組 BENZ底盤修護工具(H.C.B-A1001) USA.PAT. (1998.7.20)，迄今約有80多項專利(含歐、美、日)
  Develop first BENZ chassis repair tool(H.C.B-A1001) USA.PAT. (1998.7.20), and awarded 80 patents from Germany, America, Japan andTaiwan.
  ベンツシャーシ修復ツールの開発に世界で初めて成功し、80項目の特許を取得しました。米国(1998.7.20)、德国 日本の特許を取得する そして多国の実用新型特許を取得した。
- 以H.C.B品牌在國內市場銷售
  Sale H.C.B brand in domestic market.
  自動車用修復工具にH.C.Bのマークを使用することを決定 そして市販を開始。
  BENZ 工字樑鐵套通過專利審查(1999.03.09)
  BENZ Suspension bush extractor/installer was awarded patent.
  ベンツ(W124/W201)サスペンションブッシュ抽出器の発明専利(台湾)を正式に取得しました。
- 商標HCB註冊和公司開始參與主要生產專業工具 (1999.09.01)
  The trademark H.C.B was registered and the Company became involvedmainly in manufacturing professional tools.(1999.09.01)
  H.C.B 商標専売特許権を審査成功。

2002 ~ 2006



- 開始參加臺北AMPA SHOW展覽與國外展覽, 成功將H.C.B品牌推廣到國際市場
  Start to participate in Domestic and international exhibitions and successfully promoting H.C.B brand to international markets.
  台北と海外国際展覧会を参りました 国際市販でH.C.B のブランドを成功発売。
- 成立鉅祥工具開發有限公司 (原鉅祥工業社改制) (2002.4.23)
  Founded Gu Siang Tools Develop Co. Ltd (Gu Siang industrial Co. reformed)(2002.4.23)
  鉅祥工業社を有限会社鉅祥工具開發と改称。
- 正式與國立中正大學育成中心簽約合作(2002.8.9)
  Formal cooperation with the N.C.C.U (2002.8.9)
  台湾の國立中正大学附中小企業創新育成センタと連携に関する協定を締結しました。
- 榮獲中小企業創新研究獎(嘉義縣工業會)
  Awarded Taiwan SMEs Innovation Award (Chiayi County Industrial Associations)
  台湾の中小企業庁で革新研究開発一等賞受賞。
- 榮獲 美國專利 (H.C.B-A1081 專利可調式皮帶盤支檔扳手)
  Awarded USA Patent. (H.C.B-A1081 ADJUSTABLE UNIVERSAL CAMSHAFT PULLEY HOLDING TOOL)
  ADJUSTABLE UNIVERSALカムシャフトプーリー保持具について、米国特許権を取得する。
- 榮獲 德國專利 (H.C.B-A1108 VW T4前上三角架球接頭拆裝工具組)
  Awarded Germany Patent.(H.C.B-A1108 VW T4 FRONT AXLE UPPER BALL-JOINT EXTRACTOR/ INSTALLER)
  フロントアクスルアッパーボールジョイント抽出器について、ドイツ特許権を取得する。
- 入圍國家創新發明獎 (H.C.B-A1052雙A臂羊角校正器(改良型)
  Entering National Invention and Creation Award (H.C.B-A1052) DOUBLE WISHBONE ALIGNMENT TOOLS (IMPROVEMENT)
  国内で革新研究開発一等賞をファイナリストに。

2009



- 榮獲AMPA SHOW創新發明獎配件類第一名 (H.C.B-A1081專利可調式皮帶盤支擋扳手)
  Got first in Taipei AMPA Innovation Awards (H.C.B-A1081 ADJUSTABLE UNIVERSAL CAMSHAFT PULLEY HOLDING TOOL)
  アジャスタブルユニバーサルカムシャフトプーリーホールディングツールとは AMPAの革新一等賞を受賞しました。
- 榮獲由臺北國際汽車零配件展主辦的AMPA SHOW綠色能量推薦產品(H.C.B-A1052)雙A臂羊角校正器(改良型)
  Awarded Taipei AMPA SHOW Green Power recommended product (H.C.B-A1052) DOUBLE WISHBONE ALIGNMENT TOOLS (IMPROVEMENT)
  HONDA ホンダ修復ツール について、台北国際自動車産業総合展のAMPA SHOWグリーン化製品をお薦めて最良の選択です。
- 榮獲由臺北國際汽車零配件展主辦的AMPA SHOW綠色能量推薦產品(H.C.B-A1117 專利齒輪式多功能拆裝架)
  Awarded Taipei AMPA SHOW Green Power recommended product (H.C.B-A1117 GEAR TYPE UNIVERSAL K/D RACK)
  ギアタイプユニバーサルK型(Dラック特許) について、台北国際自動車産業総合展のAMPA SHOWグリーン化製品をお薦めて最良の選択です。
- 榮獲由臺北國際汽車零配件展主辦的AMPA SHOW綠色能量推薦產品(H.C.B-A1108 VW T4前上三角架球接頭拆裝工具組)
  Awarded Taipei AMPA SHOW Green Power recommended product (H.C.B-A1108 VW T4 FRONT AXLE UPPER BALL-JOINT EXTRACTOR/ INSTALLER)
  フロントアクスルアッパーボールジョイント抽出器について、台北国際自動車産業総合展のAMPA SHOWグリーン化製品をお薦めて最良の選択です。
- 投保100萬美元的產品責任險
  Insured $ 1,000,000 product liability insurance
  製品責任保険100万 (米ドル)
- 獲得ISO9001:2008版認證稽核
  Obtain ISO 9001: 2008 version certification company
  Since 2009 our production processes have complied with the ISO 9001: 2008 Quality System standards
  品質マネジメントシステム ISO9001:2008 認証取得。
- 榮獲嘉義縣政府98地方產業創新研發推動計畫(地方型SBIR)補助 (H.C.B-B1337 手動卡車多功能拆裝)
  Obtain Chiayi County government local industrial innovation and R & D Promotion Program grants (local type SBIR) (H.C.B-B1337 TRUCK K/D RACK - ELECTRICAL)
  歯車式ユニバーサルK / Dラック(B1337)は台湾の自治區嘉義県政府地域産業研究開発推進計画 (SBIR) 公的扶助支援產品。

www.hcb-autotools.com

Company History

27 years of quality insisting and R&D

2010 ~ 2011

- 新廠啓用(龍德一廠 2010.2.7)
  Start using new factory (Longder First 2010.2.7)
  本社の新工場龍德一廠で工場稼働開始。
- 榮獲中天電視台(今日台灣)節目專題報導(2010.2.13)
  Obtain Tawain Today report of Cti TV (2010.2.13)
  台湾の中天新聞台報道特集 なかで紹介した掲載頂きました。
- 榮獲嘉義縣政府99年度地方產業創新研發推動計畫(地方型SBIR)補助(H.C.B A1383 電動鉚釘機)
  Obtain Chiayi County government local industrial innovation and R & D Promotion Program grants (local type SBIR) (H.C.B A1383 ELECTRICAL BRAKE LINING SHOE LOADER)
  電気ブレーキライニングシューローダーは台湾の自治區嘉義県政府地域產業研究開発推進計画(SBIR)公的扶助支援產品。
- H.C.B 商標在中國註冊成功(2011.1.28)
  Exclusive right to use H.C.B registered trademark in China (2011.1.28)
  中国でH.C.B の商標専売特許権を審査成功。
- 榮獲100年度經濟部科技研究發展專案協助傳統產業技術開發計畫(CITD)補助
  Obtain CITD Program grants in 2011.
  経済部の科学產業技術の発展開発推進計画 (CITD)公的扶助支援產品。
- 第五次獲得嘉義縣工業會優良會員廠商表揚
  Award Excellent Member recognition from Chiayi County Industrial Associations for fifth times.
  第五回台湾の嘉義県工業機構のメンバーの中で最も優れた会社 のを表彰する。

2012



- 以H.C.B品牌 正式進入歐洲市場
  Sale H.C.B brand in Europe Markets.
  自動車用修復工具にH.C.Bのマークを使用することを決定 そして歐洲市販事業との直接取引開始 。
- 取得 CE認證 (H.C.B-A1383 電動鉚釘機)
  電気ブレーキライニングシューローダーは CE証明書を得た。
- 取得 CE認證 (H.C.B-A8001多功能剪型氣/油壓引擎拆卸設備)
  マルチファンクション油圧/空気圧エンジンリフトは CE証明書を得た。
- 榮獲101年生產革新管理聯合型輔導計畫績效優異表揚
  台湾の工業生產管理推進機構育成計画の取り組みを表彰する。
- 榮獲台灣發明專利20年 (H.C.B-B1337 電動卡車引擎拆裝架)
  歯車式ユニバーサルK / Dラックは台湾の研究開発特許権20年を取得。
- 榮獲" 新型專利號碼 PAT.M 438423(H.C.B-A1410 萬用球接頭拔卸器(39mm))
  ユニバーサルトラックボールジョイントリムーバー(39ミリメートル)は商品新型特許権を取得。
- 榮獲" 新型專利號碼 (H.C.B-A1445 獲得新型專利)
  ユニバーサルサスペンションアームレバーは商品新型特許権を取得。

2013 ~ 2014





- 榮獲 專利 (H.C.B-A1445 攝棒)
  Awarded Patent (H.C.B-A1445 UNIVERSAL SUSPENSION ARM LEVER)
  ユニバーサルサスペンションアームレバーは特許を取得。
- 榮獲台灣專利 (H.C.B-A1487 BMW (E81-E88,E90-E93,F2,M3)後游臂鐵套拆裝工具組)
  Awarded Taiwan Patent (H.C.B-A1487 BMW (E81-E88,E90-E93,F2,M3) REAR TRAILING ARM BUSHING REM0VER & INSTALLER TOOLS)
  BMW(E87/E88/E90-E93/F2/M3)リアトレーリングアームブッシュリムーバーとインストーラツールは台湾の特許を取得。
- 榮獲德國專利 (H.C.B-B1339 大王銷拆卸機 75噸)
  Awarded Germany Patent (H.C.B-B1339 TRUCK KING PIN PRESS 75 TONS)
  KING PINとアンカーピンプッシャー(75トン)はドイツの特許を取得。
- 榮獲美國專利 (H.C.B- B1117 專利引擎拆裝架)
  Awarded Germany Patent (H.C.B- B1117 UNIVERSAL ENGINE STAND)
  ギアタイプユニバーサルK / Dラック は米国特許を取得。
- 新廠動工(龍德二廠 2014.3.3)
  Start building new company (Longder Second 2014.3.3)
  本社の新工場龍德二廠で工場擴增開始。



2016

- H.C.B 將與萬能工商建教合作培養優秀人才
  H.C.B cooperates with Wan-Neng Vocational High School to cultivate talents.
  H.C.B は萬能工商と契約し、優秀な人材の育成をしています。
- H.C.B與國立中正大學育成中心產學合作
  H.C.B with National Chung Cheng University Innovation Incubation center industry-university cooperative project.
  H.C.Bは国立中正大学教育センター産学と提携しました。
- H.C.B-A1117工具獲得全國高中職汽車科學生競賽指定比賽工具
  H.C.B-A1117 is a appointed competition tool in domestic Department of Automotive Technology of senior high school.
  H.C.B のA1117工具は全国の高校の自動車修理コンテストの指定工具に選ばれました。
- H.C.B與萬能工商合作承辦104年度高級中等學校職業類科專任教師赴公民營機構研習活動 (2015/12/03)。
  H.C.B with Wanneng Industrial and Commercial Vocational High School organized the 2015th Senior \High School Vocational Department Full-time Teacher to private and governmental organization Seminar.
  H.C.Bと万能工商協力し、104年度の高校職業専門科専任教師を公民営機構へ派遣し、研修活動を行いました(2015/12/03)。
  H.C.B und das Wanneng Industrie- und Wirtschaftsgymnasium organisierten das 2015 Seminar der Oberstufen-Berufsabteilung Vollzeit Lehrer für private und staatliche Organisationen.
- H.C.B-B2095多功能油壓彈簧避震器拆裝器DE. PAT. 20 2015 107 157 TW PAT. M518188 CE
  獲得 2016年台北汽機車零配件展 創新產品獎H.C.B-B2095 HYDRAULIC MACPHERSON SPRING DUMPER COMPRESSOR DE. PAT. 20 2015 107 157 TW PAT. M518188 CE awarded with "2016 Taipei AMPA innovation award"H.C.B-B2095, ausgezeichnet mit der "2016 Taipei AMPA Innovation Award"
  H.C.B-B2095 マクファーソン油圧式スプリングコンプレッサー ダンパー装備DE. PAT. 20 2015 107 157 TW PAT. M518188 CE 2016台北AMPAイノベーションアワード受賞

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Company History

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2017

- H.C.B-K2016 BMW 引擎平衡桿榮獲台灣專利
  Awarded Taiwanese Patent (H.C.B-K2016 BMW ENGINE SUPPORT BAR)
  H.C.B-K2016　BMWエンジンバランスバー台湾の特許を取得PAT. M 534705・
- H.C.B-A1707 VOLVO (FM, FH 500P/ 540P) 卡車車屋避震器壓縮 工具榮獲德國與台灣專利
  Awarded Germany and Taiwanese Patent (H.C.B-A1707 VOLVO (FM, FH 500P/ 540P) TRUCK SHOCK ABSORBER SPRING COMPRESSOR)
  H.C.B-A1707　VOLVO（FM、FH 500P / 540P）トラックハウスショックアブソーバー圧縮工具　ドイツと台湾の特許を取得DE.PAT. 20 2017 101 722　TW PAT. M542590・
- H.C.B-A1664 變速箱卸油工具組 (BENZ 722.6 / 722.9・ BMW 6HP / 8HP)榮獲台灣專利
  Awarded Taiwanese Patent (TRANSMISSION OIL DRAIN TOOL KIT (BENZ 722.6 / 722.9, BMW 6HP / 8HP))
  H.C.B-A1664　ギアボックスアンロードツールセット（BENZ 722.6 / 722.9、BMW 6HP / 8HP）台湾の特許を取得
  PAT. M 537183・
- H.C.B與萬能工商合作承辦105年度高級中等學校職業類科專任教師赴公民營機構研習活動
  H.C.B with Wanneng Industrial and Commercial Vocational High School organized the 2016th Senior High School Vocational Department Full-time Teacher to private and governmental organization Seminar.
  H.C.Bと万能工商協力し、105年度の高校職業専門科専任教師を公民営機構へ派遣し、研修活動を行いました・
- H.C.B-B1623 TOYOTA (VOXY/ VELLFIRE/ ALPHARD/ ESTIMA/ CAMRY/ HARRIER/ NOAH/ PREVIA/ MARK Ⅱ / ISIS/ WISH/ PICNI/ ALTIS/ COROLLA/ VIOS/ VITZ) 後橋懸掛鐵套拆裝工具組榮獲美國及台灣專利
  H.C.B-B1623 TOYOTA (VOXY/VELLFIRE/ ALPHARD/ESTIMA/CAMRY/ HARRIER/NOAH/ PREVIA/MARK Ⅱ /ISIS/ WISH/ PICNI/ ALTIS/ PREVIA/ VIOS) REAR-AXLE SUSPENSION BUSH REMOVER/ INSTALLER USA PAT. M534073, M535162
  H.C.B-B1623　トヨタ（VOXY / VELLFIRE / ALPHARD / ESTIMA / CAMRY / HARRIER / NOAH / PREVIA / MARIS Ⅱ / ISIS / WISH / PICNI / ALTIS / COROLLA / VIOS / VITZ）リアアクスルサスペンションアイアンスリーブ組立工具セット
  米国と台湾の特許を取得　PAT. M534073, M535162, M551553

2018

- H.C.B-C2321萬向球接頭拔卸器 榮獲台灣專利
  H.C.B-C2321 UNIVERSAL CV JOINT PULLER PAT. M555275
  H.C.B-C2321 ユニバーサルボールジョイントプラー　台湾の特許を取得
  PAT. M555275
- H.C.B 舉辦第一屆H.C.B 全國國中籃球盃比賽
  H.C.B held the first "National Junior Hhigh School Basketball Competition".
  H.C.Bが最初のH.C.B 全国バスケットボールカップ競技会を開催ました・
- H.C.B-A1795 BMW (E60/ E61/ E63/ E64) 後工字樑前/後鐵套拆裝工具組 榮獲台灣專利
  H.C.B-A1795 BMW (E60/ E61/ E63/ E64) REAR SUBFRAME FRONT/ REAR BUSH REMOVAL/ INSTALLATION TOOL KIT
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- H.C.B-A1795　BMW（E60 / E61 / E63 / E64）リアIビームフロント/リアアイアンスリーブアセンブリツールセット　台湾の特許を取得　PAT. M561632
  H.C.B-A1787 VW T5 後拖曳臂鐵套拆裝工具組 榮獲台灣專利
  H.C.B-A1787 VW T5 REAR TRAILING ARM BUSH REMOVAL/ INSTALLATION TOOL KIT PAT. M563983
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2019



- H.C.B-A1853 大型變速箱培林拔卸器 榮獲台灣專利
  H.C.B-A1853 HEAVY DUTY GEARBOX BEARING PULLER PAT. M574100
  大型ギアボックスベリンプーラが台湾の特許を取得　PAT. M574100
- H.C.B 舉辦第二屆H.C.B 全國國中籃球盃比賽
  H.C.B held the second "National Junior Hhigh School Basketball Competition".
  H.C.Bが二回目の全国バスケットボールカップ競技会を開催ました・
- 我們即將建設二廠
  we have start to build H.C.B Second Factory
  H.C.B第2工場が着工してます・
- 申請H.C.B 商標美國專利
  Applied for H.C.B trademark logo in USA.
  H.C.Bの商標米国特許を申請します・





www.hcb-autotools.com

H.C.B hosting National Conference seminar for Department of Automobile Technique

H. C. B 舉辦全國汽車科教師研習營

















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Specialty Tools Inc.

SINCE 1990

Photos inside our production facilities

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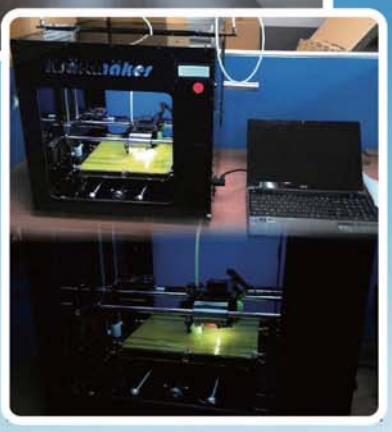












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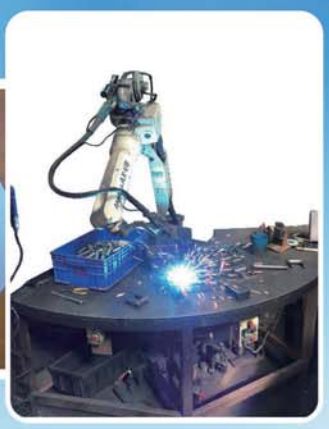












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PATENT CERTIFICATE

Global Patent Certification

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USA.PAT









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賓士引擎修護工具 (P29~67)

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BENZ (M133/M270/M274) 內鍊滑板插銷拆卸器

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BENZ & BMW GUIDE RAIL PIN SLIDE HAMMER PULLER KIT
BENZ & BMW 內鏈滑板插銷倒盾拉拔器組

H.C.B-A1016 ..... P029
BENZ & BMW GUIDE RAIL PIN PULLER
BENZ & BMW 內鍊滑板插銷拔卸器

H.C.B-A1017 ..... P030
BENZ (W210) FUEL TANK LID REMOVAL/ INSTALLATION TOOL KIT
BENZ (W210) 塑膠汽油箱蓋拆裝工具

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BENZ (W202) FUEL TANK LID REMOVER/ INSTALLER
BENZ (W202) 塑膠汽油箱蓋拆裝特種工具

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BENZ/ BMW/ VW FUEL TANK LID REMOVER/ INSTALLER
BENZ/ BMW/ VW 塑膠汽油箱蓋拆裝器

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BENZ (W164 / W251) 汽油浮筒拆裝器 (Dr. 1/2", 22角)

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BENZ & BMW 專用風扇扳手組 (8 PCS)

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BMW 風扇扳手 (32 mm)

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BMW PULLEY HOLDER
BMW 風扇支擋扳手 (雙頭)

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MERCEDES-BENZ FAN CLUTCH WRENCH (65 mm)
BENZ 風扇扳手 (65 mm)

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BENZ 風扇支擋扳手 (3孔) (Φ10.3)

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BENZ VISCOUS FAN NUT WRENCH (36 mm)
BENZ 風扇扳手 (36 mm)

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BENZ 風扇支擋扳手 (L型)

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BENZ FAN BELT SERVICE WRENCH
BENZ 風扇支擋扳手

H.C.B-A1022(H) P033
BENZ REACTION WRENCH WITH 3 HOLES (Ø 11.7)
BENZ 風扇支擋扳手 (3孔) (Ø 11.7)

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BENZ (M271) 曲軸支擋扳手

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BENZ (M271) 曲軸支擋扳手 (271 589 00 40 00)

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BENZ (M272/ M273) 曲軸支擋扳手

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BENZ (M272/ M273) 曲軸支擋扳手

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BENZ (M102 / M103) 免拆式汽門彈簧壓縮組

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塑鋼撬棒

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5 PCS 塑鋼撬棒組

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5 PCS HANDY REMOVER KIT
5 PCS 塑鋼撬棒組

H.C.B-P1074 ..... P039
5 PCS HANDY REMOVER KIT
5 PCS 塑鋼撬棒組

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BENZ 曲軸徑向密封環安裝工具

H.C.B-A1559 ..... P064
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BENZ (OM651) 曲軸徑向密封環安裝工具

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BENZ 汽門調整扳手 (17 mm)

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BENZ 變速箱拆裝工具組

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BENZ 變速箱離合器鼓活塞彈簧拆裝工具組

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BENZ 變速箱制動帶活塞彈簧工具

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New H.C.B-B1784 ····· P421
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HYDRAULIC BEARING PULLER (8 TONS)
油壓式培林拔輪器 (8噸)

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H.C.B-A3027.....P502
H.C.B-A3028.....P502
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HWANG CHERNG BIN
Specialty Tools Inc.

賓士底盤修護工具

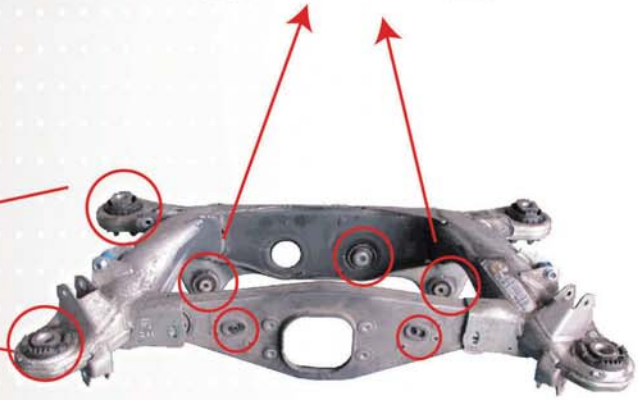
BENZ CHASSIS REPAIR TOOL











H.C.B-A1001 ON CAR BENZ (W124) DIFFERENTIAL BUSH REMOVAL/ INSTALLATION TOOL KIT PAT. 165163 USA PAT. 6389668

BENZ (W124) 免卸差速器，後三角架橡皮座鐵套拆裝工具組 (124 352 77 65)

10 / 19.3 / 20.3 / 1.55'

- Extractor for replacing the differential mounting metallic bushes in the rear sub-frame for MERCEDES type W124.
- Replace mounting bushes without removing of the differential.







H.C.B-A1002 ON CAR BENZ REAR AXLES BUSH REMOVAL/ INSTALLATION TOOL KIT PAT. 165163 USA PAT. 6389668

BENZ 後半角鐵套拆裝工具組 (全車系)

10 / 16.5 / 17 / 1.55'

- Removal and replacement tool for metallic bushes on rear axles MERCEDES type W201/W124/W202/W140/W129/W210/W220
- The tool incorporates with an axial bearing or a pressure piece which guarantees labor saving.
- The correct position of the new metallic bushes when replaced.

H.C.B-A1002







H.C.B-A1008-1 ON CAR BENZ AXLES WHEEL BEARING REMOVAL/ INSTALLATION TOOL KIT PAT. 201280 USA PAT.

BENZ 免拆三角架前後輪軸承拆裝工具組

2 / 21.5 / 22.6 / 0.86'

- A great tool can be used in replacing wheel bearings without removing the steering knukle and strut assembly.
- As the spindle assembly isn't removed, there is no need to align front end after the job is done. It is time saver.
- Application: MERCEDES-BENZ, BMW, TOYOTA, VW, MARCH, FORD, VOLVO...etc.


BEARING INSIDE, SAVE TIME AND EFFORT


WINDOW INDICATOR CAN HELP USER MONITOR THE OPERATING SITUATION.


CONNECT TOOL PARTS WITH O-RING TO PREVENT THE TOOL PARTS SEPARATE.


STEP 1. EXTRACT AXLEX HUB


HUB INSTALLATION STEP 1


STEP 2


HUB INSTALLATION STEP 2


STEP 3. EXTRACT BEARING


HUB INSTALLATION FINISHED


STEP 4. INSTALL BEARING



H.C.B-B1008 UNIVERSAL AXLES WHEEL BEARING REMOVAL/ INSTALLATION TOOL KIT PAT. 201280 USA PAT.

通用免拆三角架前後輪軸承拆裝工具組



Optional:H.C.B-B1641
(選購配件)



Function

- A great tool for replacing the wheel bearings without removing the steering knuckle & strut assembly.
- Because the spindle assembly isn't removed, there is no need to align front end after the job is done. It is time saver.
- Application: MERCEDES-BENZ ML (W163), MERCEDES-BENZ (W140), BMW (E39) , BMW (E36/E46) ,VW TOUARG, VW GOLF, VW A4, TOYOTA, MARCH, FORD, VOLVO……etc.



VW TOUARG Bearing Remvoal



VW TOUARG Bearing Installation



VW TOUARG Axle Installation

H.C.B-A1641 UNIVERSAL LOCKING RING TOOL PAT. D178574

HOT

萬能扣環鉗

- A new type of lock ring tool which makes dismounting and mounting of wheel bearing lock rings very easy.
- The tool is designed to fit the larger lock rings for example the lock ring on the axle shaft or other lock rings on passenger cars, light commercial vehicles and trucks.
- The adjusting screw has a ⅜" ratchet grip which provides enough power to easily remove stuck and rusted lock rings. The grip angle between the tips will also always be correct no matter the size or position of the lock ring. This makes the tool safer, more effective and easier to use than ordinary pliers.
- It contains a total of 3 kinds of specially designed tips that can easily be switched if needed.
- Content:
  A1641-04 Circlip pin 2.5 mm, 2 pcs
  A1641-05 Circlip pin 3 mm, 2 pcs
  A1641-06 Circlip pin 3.5 mm, 2 pcs









Can use on TOYOTA & NISSAN RING.

H.C.B-B1641 NEW UNIVERSAL LOCKING RING TOOL PAT. D178574 HOT

萬能扣環鉗

- A new type of lock ring tool which makes dismounting and mounting of wheel bearing lock rings very easy.
- The tool is designed to fit the larger lock rings for example the lock ring on the axle shaft or other lock rings on passenger cars, light commercial vehicles and trucks.
- The adjusting screw has a 3/8 " ratchet grip which provides enough power to easily remove stuck and rusted lock rings. The grip angle between the tips will also always be correct no matter the size or position of the lock ring. This makes the tool safer, more effective and easier to use than ordinary pliers.
- It contains a total of 12 kinds of specially designed tips that can easily be switched if needed.
- Contents:

A1641-04 Circlip pin 2.5 mm, 2 pcs
A1641-05 Circlip pin 3 mm, 2 pcs
A1641-06 Circlip pin 3.5 mm, 2 pcs
B1641-07 Circlip pin 3.8 mm, 2 pcs
B1641-08 Circlip pin 2.5 mm, 2 pcs with 45 degree angle
B1641-09 Circlip pin 3 mm, 2 pcs with 45 degree angle
B1641-10 Circlip pin 3.5 mm, 2 pcs with 45 degree angle
B1641-11 Circlip pin 3.8 mm, 2 pcs with 45 degree angle
B1641-12 Circlip pin 2.5 mm, 2 pcs with 90 degree angle
B1641-13 Circlip pin 3 mm, 2 pcs with 90 degree angle
B1641-14 Circlip pin 3.5 mm, 2 pcs with 90 degree angle
B1641-15 Circlip pin 3.8 mm, 2 pcs with 90 degree angle











Can use on TOYOTA & NISSAN RING.



BPW 12 TONS TRUCK

USE ON BPW 12 tons truck



HONDA CR-V MARK II

USE ON HONDA CR-V MARK II



TOYOTA CORONA

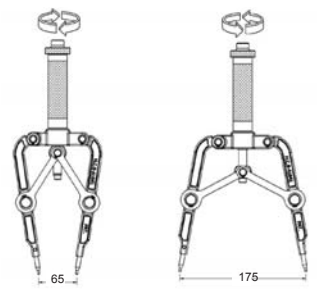
USE ON TOYOTA CORONA

H.C.B-C1641 NEW UNIVERSAL HEAVY DUTY LOCKING RING TOOL PAT.

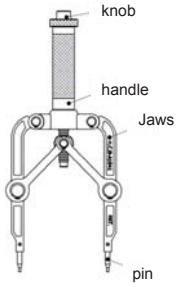
萬能重型扣環鉗

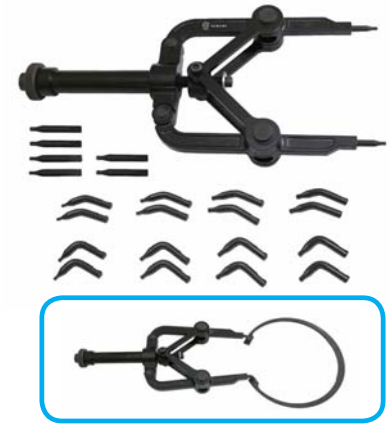
- C1641 remove the C-ring fast and easily without damaging it.
- Range: Dimension from 65mm~175mm C-Ring.
- With especially enlarge main body, it applys on bigger C-ring than A1641 does.

■ Instructions:



■ Feature:





The handle is fixed, and won't rotate with the knob. With this design, one hand can hold the handle, and the other can turn the jaws for wide range adjustment.

H.C.B-A1003 ON CAR BENZ (W124/W201) SUSPENSION BUSH REMOVAL/ INSTALLATION TOOL KIT PAT. 158341

BENZ (W124/W201) 工字樑鐵套拆裝工具組

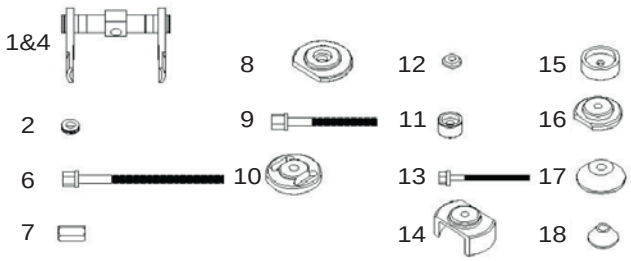
2 / 18.5 / 19.1 / 0.84'



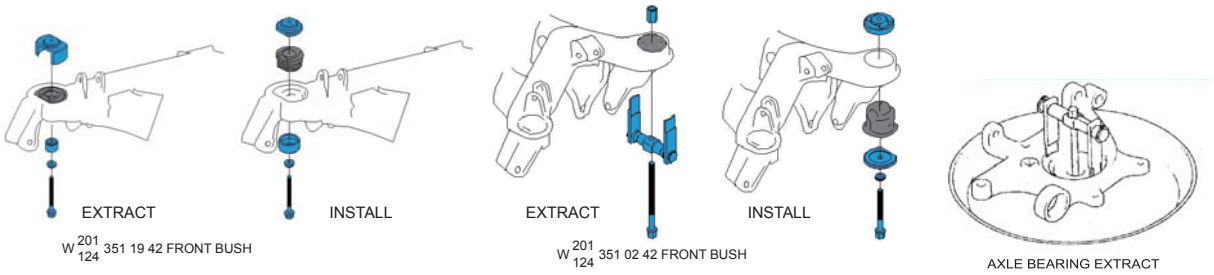








- Extractor for replacement of the front and rear metallic rear sub-frame mounting bushes. For MERCEDES type W201/W124.
- Replacement of mounting bushes without lowering the complete rear axle assembly.



W 201/124 351 19 42 FRONT BUSH

W 201/124 351 02 42 FRONT BUSH

AXLE BEARING EXTRACT

H.C.B-A1018 ON CAR BENZ (W126) REAR AXLE FLANGE NUT SOCKET

BENZ (W126) 傳動軸專用套筒

30 / 21 / 23.5 / 0.67'

- The special socket removes rear axle flang grooved nuts on MERCEDES-BENZ W107/114/115/116/126 axle with CV joints when replacing axle seals bearings.



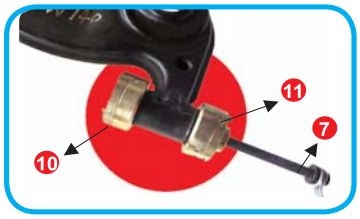


H.C.B-A1123 ON CAR BENZ (W140) LOWER CONTROL ARM BUSH REMOVAL/ INSTALLATION TOOL KIT (IMPROVEMENT)

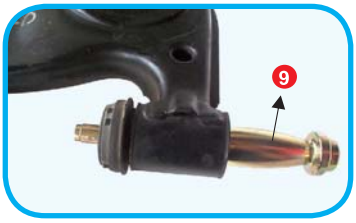
BENZ (W140) 三角架鐵套拆裝工具組 (改良型)

2 / 18.8 / 20.4 / 0.76'

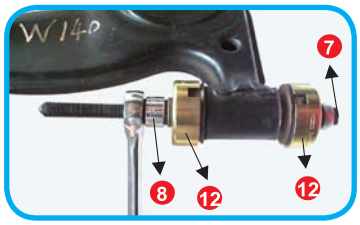




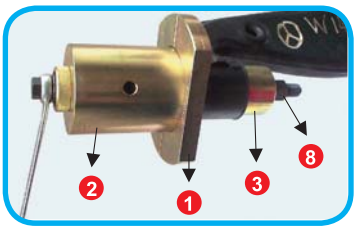
BUSH1 EXTRACT STEP 1



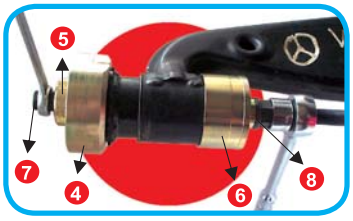
BUSH1 EXTRACT STEP 2



BUSH1 INSTALL



BUSH2 EXTRACT



BUSH2 INSTALL

- For removing or installing the rear rubber hydraulic mount in the lower control arm.
- Application: MERCEDES W140

Contents

Part No.	Description	Qty
A1123-1	Pair of jaws	1
A1123-2	Extraction support sleeve	1
A1123-3	Extraction pressure piece	1
A1123-4	Installation pressure piece	1
A1123-5	Bearing insert with bearing	1
A1123-6	Insertion support sleeve	1
A1123-7	Spindle M16 x 300	1
A1123-8	Shoulder nut M16	1
A1123-9	Extraction drift	1
A1123-10	Pressure piece without thread	1
A1123-11	Pressure piece with thread	1
A1123-12	Installation pressure piece	2

H.C.B-A1023 ON CAR BENZ (W140) LOWER CONTROL ARM BUSH REMOVAL/ INSTALLATION TOOL KIT (S-CLASS)

BENZ (W140) 三角架鐵套拆裝工具組 (S 系列)

4 / 22.8 / 23.8 / 1.28'



EXTRACTION



INSTALLATION



- For removing or installing the rear rubber hydraulic mount in the lower control arm.
- Application: MERCEDES model W140 (1993-1999)

H.C.B-A1024 ON CAR BENZ (W210) LOWER CONTROL ARM BUSH REMOVAL/ INSTALLATION TOOL KIT (NEW E-CLASS)

BENZ (W210) 三角架鐵套拆裝工具組 (新 E 系列)

4 / 22.5 / 23.7 / 1.28'





- Puller and installation tool for rubber mount front & rear lower wishbone.
- Application: MERCEDES model W210 (1996-2001)

H.C.B-A1025 ON CAR BENZ (W170/W201/W202) LOWER CONTROL ARM BUSH REMOVAL/ INSTALLATION TOOL KIT (C-CLASS)

BENZ(W170/W201/W202) 三角架鐵套拆裝工具組 (C 系列)

5 / 27 / 28 / 1.59'







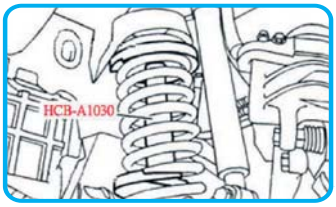
- Removal and installation tool for rear rubber mount on the lower wishbone for W170 and W202 chassis. Also can install front mount on W208 chassis.
- Application: MERCEDES model W202.W170 (1994-2002)

H.C.B-A1030 BENZ SPRING COMPRESSOR TOOL KIT

BENZ 彈簧避震器拆裝工具組

5 / 28.5 / 29.5 / 2.46'





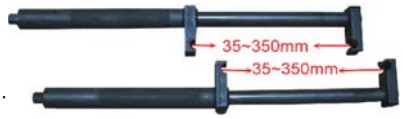
⌀ 70 / 130: Mercedes-Benz (123,124,202,210,230(B)) / Saab / Ford / Skoda
⌀ 90 / 150: Mercedes-Benz (126,140,100,200,230(F)) / OPEL / GM / LADA / Peugeot(406,605) / Rover / Hyundai / Saab / Volvo / VW / FIAT / Mazda / TOYOTA / Nissan / Mitsubishi / Ford

- Types: W116/124/126/129/201/202/140/170/210/ 220/230/211 and 4-matic includes.
- Advantage: Newly developed automatic 3-point safety
- Interlock and automatic freewheel at end of stroke.

H.C.B-B1040 BENZ (W203/W211) SPRING REMOVAL/ INSTALLATION TOOL KIT PAT. 073953

BENZ (W203/W211) 彈簧避震器拆裝工具組

- To change the old spring for new one.
- Movement range: 35 mm to 350 mm.
- Conjunction with B1022-05 and A1047-1.
- Application: BENZ (W203, W211), BMW, FORD.
- N.W.: 10.07 KGS





H.C.B-C1047 BENZ (W204/X204/W212) COIL SPRING JAW KIT

BENZ (W204/X204/W212) 更換避震器彈簧拆卸組

- Jaw set for coil springs on Mercedes Benz
- Designed for easier compression on the coil springs
- Stable and safe compressing from the shock absorber top lid.
- Application: Mercedes Benz W204 (C-class) X204 (CLK-class) W212 (E-class)
- For use with H.C.B-A1047







H.C.B-A1036 BENZ (W123/W126/W220) BALL JOINT REMOVAL/ INSTALLATION TOOL KIT PAT. 179835

BENZ (W123/W126/W220) 球接頭拆裝工具組

6 / 25.2 / 27.4 / 1'

- For pressing ball joint into steering knuckle.
- Application: W123, W126, W220





H.C.B-A1043 BENZ PARKING BRAKE INSTALLER

BENZ 手煞車來令片固定彈簧扳手

- Pressing spring of parking brake.
- Application : MERCEDES M107, M114, M115, M116, M123, M124, M129, M140, M201, M202 models.
- N.W.: 0.1 KGS





H.C.B-A1044 BENZ WHEEL STUD ALIGNMENT GUIDE TOOL (M12 x P1.5)

BENZ 輪胎定位銷 (M12 x P1.5)

- To assist mounting wheels, especially late models with Iron lug bolts.
- Application: All MERCEDES models with lug bolts
- N.W.: 0.1 KGS





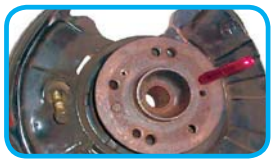


H.C.B-A1044-1 BENZ WHEEL STUD ALIGNMENT GUIDE TOOL (M14 x P1.5)

BENZ 輪胎定位銷 (M14 x P1.5)

- To assist mounting wheels, especially late models with Iron lug bolts.
- Application: All MERCEDES models with lug bolts
- N.W.: 0.05 KGS





H.C.B-B1059 UNIVERSAL CALIPER PRESSURE TOOL (FOUR PISTONS)

通用型分泵回復器 (4 活塞)





- Movement Range: 16 ~ 90 mm
- Plate Size: 118 x 70 mm
- Material: S45C
- Hardness: HRC 35° ~ 40°
- N.W.: 2.8 KGS
- Application: BENZ (four pistons),BMW, VW, TOYOTA, FORD, HINO (3.5 tons/ 8.5 tons), MITSUBISHI CANTER 3.5 tons, 4 pistons caliper and most of cars and light trucks.
- An universal tool for pressing caliper pistons back into caliper housings with special broadened steel board.
- Due to the construction of this tool which incorporates high-precision hardened cylinder and piston, together with a built-in axial bearing, the highest precision allows easily function to press-back the pistons into the caliper.

H.C.B-A1059 BENZ CALIPER PRESSURE TOOL (FOUR PISTONS)

BENZ 煞車分泵壓縮器 (4 活塞)

10 / 19.4 / 22.2 / 1.05'



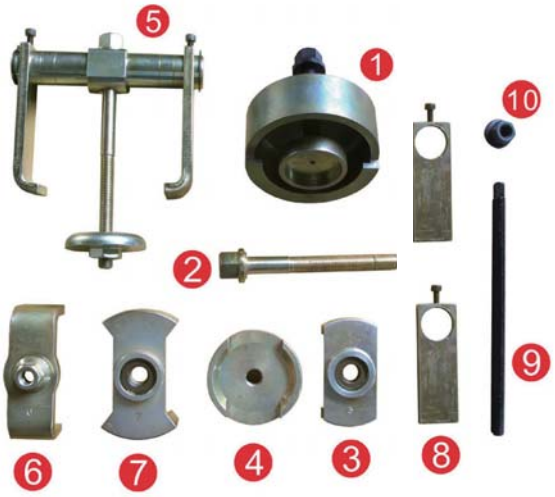


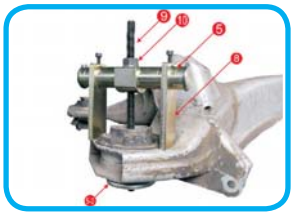
- An universal tool for pressing caliper pistons back into caliper housings.
- Due to the construction of this tool which incorporates high-precision hardened cylinder and piston, together with a built-in axial bearing.
- The highest precision allows easy finction to press-back the pistons into the caliper.

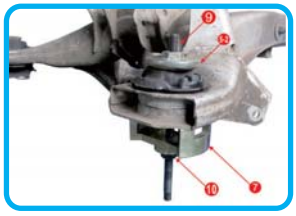
H.C.B-A1068 ON CAR BENZ (W140/W220) FRONT & REAR SUSPENSION BUSH REMOVAL/ INSTALLATION TOOL KIT PAT.158341

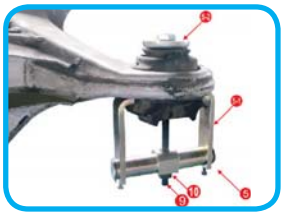
BENZ (W140/W220) 工字樑前 / 後置鐵套拆裝工具組

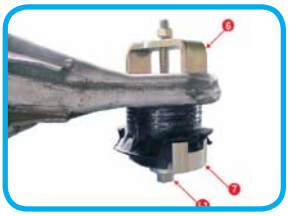
- To remove and install the front and rear rubber subframe mounts of axle suspension.
- N.W.: 9.8 KGS G.W.: 10 KGS
- Application:
  MERCEDES-BENZ S-class (W140) 1992~2000
  MERCEDES-BENZ S-class (W220) 2000




Used for remove W220 Front suspension bush


Use for Installer W220 Front suspension bush


Used for remove W220 rear suspension bush


Used for installer W220 rear suspension bush


Front bush
no.220 35 1114 2


Rear bush
no.220 350 03 75

H.C.B-A1082 UNIVERSAL BALL JOINT SEPARATOR KIT (24 mm)

萬用球接頭拔卸組 (24 mm)

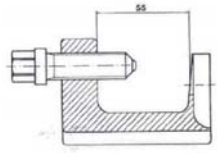
30 / 25 / 26 / 0.67'

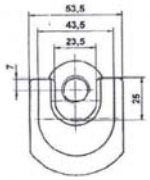
- Splitting track-rod ends, ball joints on anti-roll bar..etc., especially in confined space conditions like on AUDI, VW, BMW, FORD, MERCEDES (W170, W202, W210, W220 … etc.), OPEL, VAUXHALL, MITSUBISHI etc.











H.C.B-A1082-1 UNIVERSAL BALL JOINT SEPARATOR KIT (SCREW REPLACEABLE) (24 mm) PAT. 208928

萬用球接頭拔卸組 (可替換螺絲) (24 mm)

30 / 24.2 / 25.7 / 1.18'

- Splitting track-rod ends, ball joints on anti-roll bar..etc., especially in confined space conditions like on AUDI, VW, BMW, FORD, MERCEDES (W170, W202, W210, W220 … etc.), OPEL / VAUXHALL, MITSUBISHI etc.





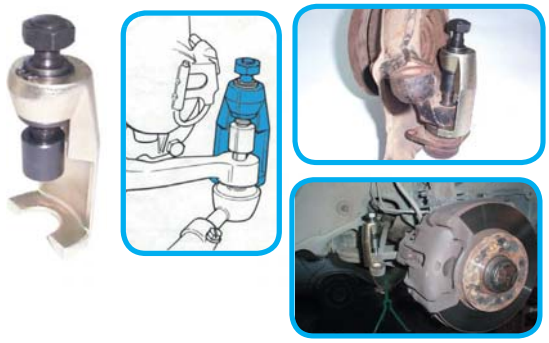


H.C.B-A1083 UNIVERSAL BALL JOINT SEPARATOR KIT (21 mm)

萬用球接頭拔卸組 (21 mm)

30 / 19 / 20 / 0.67'

- Extractor for MERCEDES type 201/123/124/126/129…etc.
- Removal of the track-rod end from the drag link and also applicable to other vehicles.
- Application: VW, AUDI, BMW, OPEL, FORD, FIAT, RENAULT, PEUGEOT, CITROEN, VOLVO, SAAB, MISUBISHI, Japanese cars…etc.



H.C.B-A1092 UNIVERSAL BALL JOINT SEPARATOR (W202/W210/ W220) (24 mm)

萬用球接頭拔卸器 (W202/W210/W220) (24 mm)

30 / 14 / 15 / 0.67'

- Splitting track-rod ends, ball joints on anti-roll bar.. etc., especially in confined space conditions.



H.C.B-A1113 BENZ (W203/W209/R171) SUB-FRAME BUSH REMOVAL/ INSTALLATION TOOL KIT

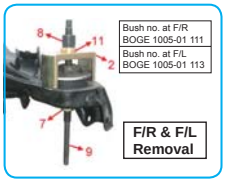
BENZ (W203/W209/R171) 工字樑鐵套拆裝工具組

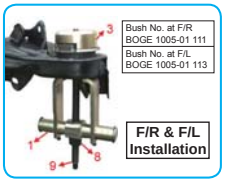
2 / 15.3 / 16.6 / 0.76'



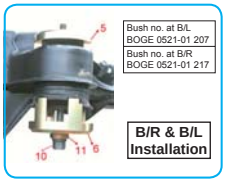


- Extractor for replacing the front and rear metallic rear sub-frame mounting bushes.
- Replaces the mounting bushes without completely lowering rear axle assembly.
- Application: BENZ (W203/W209/R171)













GENUINE STOCK NO. : 203 351 05 42

H.C.B-B1389 BENZ (W203/W204/W211/W212/W220/W221) FRONT SUB-FRAME BUSH REMOVAL/ INSTALLATION TOOL KIT (W/ HYDRAULIC CYLINDER) (Dr. 3/8") PAT. M412840

BENZ (W203/W204/W211/W212/W220/W221)
前三角架鐵套拆裝工具組 (油壓式) (3/8" 接頭)





Removal



Installation

- Removing/Installing safe and labor saving by using hydraulic.
- Special design to remove and install the bush without take off any parts.
- On car maintenance.
- Various parts for widely use.
- Application: BENZ (W203/ W204/ W209/ W211/ W212/ W220/ W221)

You will also need to add:

H.C.B - A1554





W203 UPPER | W203/W209 LOWER | W204 UPPER | W204 LOWER | W211 UPPER | W211 LOWER | W212 UPPER | W212 LOWER | W220 UPPER | W220 LOWER | W221 UPPER | W221 LOWER

H.C.B-A1389 ON CAR BENZ (W203/W204/W209/W211/W212/W220/W221) FRONT SUB-FRAME BUSH REMOVAL/ INSTALLATION TOOL KIT PAT. M412840

BENZ (W203/W204/W209/W211/W212/W220/W221) 前三角架鐵套拆裝工具組

- No.1-10 are H.C.B-A1111
- Application: BENZ (W203/ W204/ W209/ W211/ W212/ W220/ W221)



Magnet



Patent design



H.C.B-C1111

ON CAR

BENZ (W203/W204/W209/W211/W220) SUB-FRAME & BENZ (W211) FRONT SUSPENSION ARM BUSH REMOVAL/ INSTALLATION TOOL KIT USA PAT.6389668 PAT.201280

BENZ (W203/W204/W209/W211/W220) 三角台鐵套 &
BENZ (W211) 前三角架懸掛控制臂鐵套拆裝工具組

3 / 25.5 / 26.5 / 2.6'



- For quick, safe removal and installation of the bushes in the sub-frame (W203/W204/W209/W211/W220) and suspension arm (W211)
- Using part No. 1 to 10 for the bush of BENZ W203/W211/W220 sub-frame
- Using part No. 1, 2, 3, 8, 11 to 14 for bush of BENZ W211 front suspension arm.
- On car maintenance
- Special design to remove & install the bush without remove any parts.



(W211 operation)

H.C.B-A1111

ON CAR

BENZ (W203/W211/W220) SUB-FRAME BUSH REMOVAL/ INSTALLATION TOOL KIT USA PAT. 6389668 PAT.201280

BENZ (W203/W211/W220) 三角台鐵套拆裝工具組

5 / 29 / 29.5 / 1.59'






MODEL: BENZ W203


W220 EXTRACT


W220 INSTALL


W211 EXTRACT


W211 INSTALL

H.C.B-B1111

ON CAR

BENZ (W211) FRONT SUSPENSION ARM BUSH REMOVAL/ INSTALLATION TOOL KIT

BENZ (W211) 前三角架下控制臂鐵套拆裝工具組

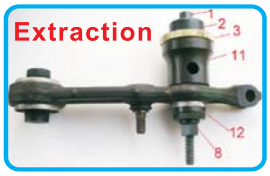
- Special design to remove & install the Bush without remove any parts.
- On car maintenance.
- Special design to remove & install the bush without removing any part.
- Application: W211.
- The kit must be combine with H.C.B-A1111-1,-2,-3,-8.

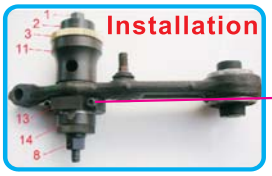




BENZ W211
Sub-Frame







※ To install the bush from the angled side.



※Using accessories No. 13 to press the bush before installation.

H.C.B-A1341 BENZ (W210) REAR SUB-FRAME BUSH REMOVAL/ INSTALLATION TOOL KIT

BENZ (W210) 後工字樑鐵套拆裝工具組



W210 REAR SUB-FRAME



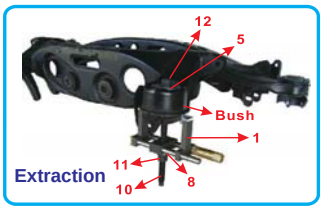
W210 REAR SUB-FRAME BUSHES

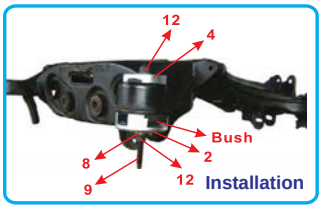


Genuine Stock No.: 210 35105 42
Genuine Stock No.: 210 35108 42

- For installing and removing the bushes on rear sub-frame.
- Genuine Stock No.:
  210 35105 42
  210 35108 42
- On car maintenance.
- Application: BENZ W210

- Extractor / Installer for W210 Rear Sub-Frame Bush (Genuine Stock No.: 210 35105 42)





H.C.B-B1461 BENZ (W221) WHEEL LUG SOCKET (17 mm) WITH PROTECTIVE SLEEVE

BENZ (W221) 輪胎套筒 (17 mm) 含保護套







- Material: CR-V
- Size: Dr. 1/2" x 88 mm (L)
- Application: Maybach and Mercedes C-Class (W204),E-Class (W211/W212/W207), SLK (W172), M-Class (W164/W166),CL-Class (W216),S-Class (W221/W222) which came installed with unique convex lug bolts (Mercedes # 000 990 5407).

H.C.B-A1461 BENZ (W221) WHEEL LUG SOCKET (17 mm , L: 50 mm)

BENZ (W221) 輪胎套筒 (17 mm , L: 50 mm)







Mercedes # 000 990 5407

- Material: CR-V
- Size: Dr. 1/2"x 50 mm (L)
- Application: Maybach, W221 (S-class) and late CL-class Mercedes which came installed with unique convex lug bolts (Mercedes # 000 990 5407).

H.C.B-A1694 BENZ (W211/W219/R230) REAR SUBFRAME FRONT/ REAR BUSH REMOVAL/ INSTALLATION TOOL KIT

BENZ (W211/W219/R230) 後工字樑前 / 後鐵套拆裝工具組





Rear Subframe

Subframe Front Bush

211 351 14 42



Subframe Rear Bush

230 351 02 42

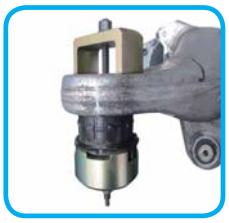


- This tool kit is used on removal/installation of the subframe front/rear bush
- Application: BENZ (W211/W219/R230)









H.C.B-B1694 BENZ (W211/W219/R230) DIFFERENTIAL BUSH REMOVAL/ INSTALLATION TOOL KIT

BENZ (W211/W219/R230) 後差速器鐵套拆裝工具組





- This kit is designed to remove/install the differential bushes and rear lower control arm bush.
- Application: BENZ (W211/W219/R230)
- Also, this kit can remove/install rear control arm bush on BENZ W211.







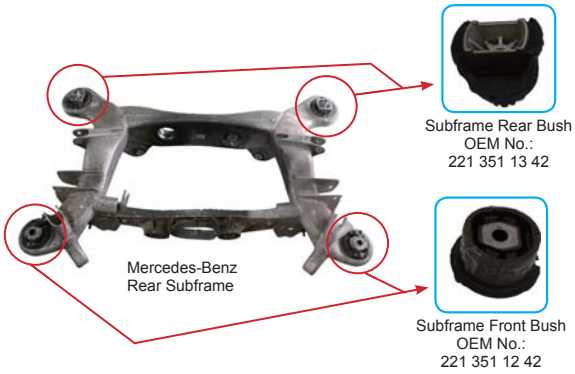


H.C.B-A1622 BENZ (W216/ W221) REAR SUBFRAME FRONT/ REAR BUSH REMOVAL/ INSTALLATION TOOL KIT

BENZ (W216/ W221) 後工字樑前 / 後鐵套拆裝工具組



- This tool kit is used on removal/installation of Mercedes- Benz subframe front/rear bush.
- Application: Mercedes-Benz W216, W221
- This tool kit allows bushes changing on car.



A.Subframe Front Bush Removal/Installation

a.Front Bush Removal:



b.Front Bush Installation:



B.Subframe Rear Bush Removal/Installtion

a.Rear Bush Removal:



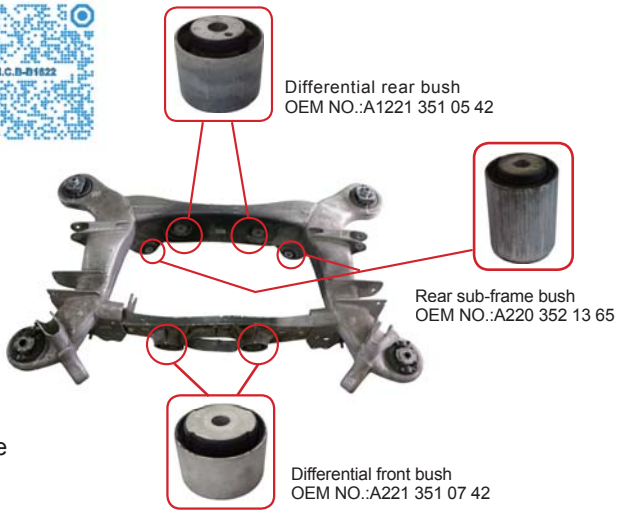
b.Rear Bush Installation:



H.C.B-B1622 ON CAR BENZ (W216/ W221) DIFFERENTIAL BUSH REMOVAL/ INSTALLATION TOOL KIT

BENZ (W216/ W221) 差速器鐵套拆裝工具組





- The differential bush will be broken under continual wearing.
  It would increase the instability when driving and make driver feel uncomfortable. To maintain stability of the vehicle and cut down the risk. So replacement of the differential bush and rear sub-frame bush is needed.
- This tool is for replacement of differential bush and rear sub-frame bush
- On car maintenance.
- Application: BENZ (W216/ W221)



H.C.B-A1624 BENZ (W204) REAR SUBFRAME FRONT/REAR BUSH REMOVAL/ INSTALLATION TOOL KIT

BENZ (W204) 後工字樑前 / 後鐵套拆裝工具





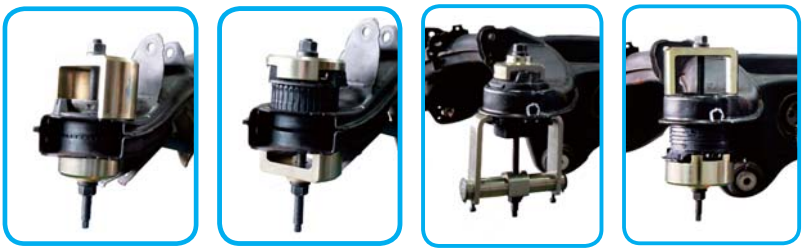
Subframe Front Bush
A204 351 08 42



Subframe Rear Bush
A204 350 01 75



- This tool kit is used on removal/ installation of the subframe front/ rear bush on car.
- Application: BENZ (W204)



H.C.B-B1624 BENZ (W204) DIFFERENTIAL BUSH REMOVAL/ INSTALLATION TOOL KIT

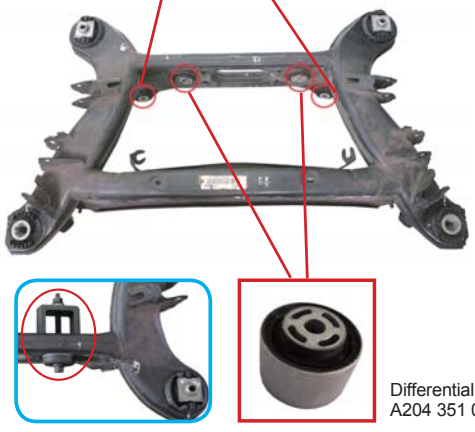
BENZ (W204) 差速器鐵套拆裝工具組





Rear trailing arm bush no.:
A204 352 10 65





Differential bush no.:
A204 351 04 42

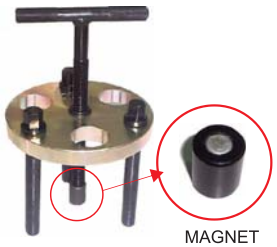
- The differential bushes will be broken due to the rain and long-term wearing, and finally make car unstable when driving. So, this kit can help you change differential bushes.
- This kit is designed to remove/install the differential bushes and rear trailing arm bushes.
- This kit can be operated on car
- Application: BENZ (W204)

H.C.B-A1119 BENZ (W220) SEAL TOP AIR SUSPENSION STRUT PAT. M253505

BENZ (W220) 氣壓避震器油封更換工具

5 / 19.3 / 20.3 / 1.32'






STEP 1


STEP 2


STEP 3


STEP 4

H.C.B-A1119-8 BENZ (W220) STRUT NUT SOCKET (OPTIONAL ACCESSSORY)

BENZ (W220) 氣壓避震器油封
更換套筒 (選購配件)

- To remove and install air suspension top strut nut.
- Application: BENZ W220.
- N.W.: 0.02 KG.

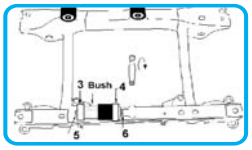




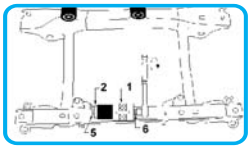
H.C.B-A1140 BENZ ML RV SUSPENSION BUSH REMOVAL/ INSTALLATION TOOL KIT PAT. 165163 USA PAT.

BENZ ML 休旅車工字樑拆裝工具組

5 / 13.1 / 14.5 / 1.59'



INSTALLER



EXTRACTOR



H.C.B-A1147 BENZ SL DECAGON STAR-SHAPE SPECIAL SOCKET

H.C.B-A1148

BENZ SL 10 角星型特殊套筒

- BENZ SL triplet aluminum alloy steel ring extractor.
- A1147 combined with A1148 tobe one set.









H.C.B-A1148 (10 mm)

H.C.B-A1147 (8 mm)





H.C.B-A1155 ON CAR BENZ (W210/W202/W203/W140) REAR SUB-FRAME DIFFERENTIAL BUSH REMOVAL/ INSTALLATION TOOL KIT USA PAT.

BENZ (W210/W202/W203/W140) 差速器鐵套拆裝工具組

5 / 16.3 / 17.5 / 1.59'

- To remove and install the rear sub-frame differential metallic bush.
- Application: BENZ W210, W202, W203, W140
- Save the time and money for maintenance.



Genuine Stock No.:
A 129 351 2142



H.C.B-A1174 ON CAR BENZ (W124/W129/W201) FRONT LOWER CONTROL ARM BALL JOINT REMOVAL/ INSTALLATION TOOL KIT

BENZ (W124/W129/W201) 前三角架
下控制臂球接頭拆裝工具

5 / 16.3 / 17.5 / 1.59'

- To remove and install lower ball joint on the wishbone.
- Application: BENZ W124/ W129/ W201.





H.C.B-A1259 BENZ DRAG LINK PULLER

BENZ 中段拉桿球接頭拆卸器

20 / 20.8 / 24 / 2.6'

- Puller for ball joint of drag link.
- Application: W123, W124 (except 124.2/3) up to 1.6.89, W126, W201, W202, W140.





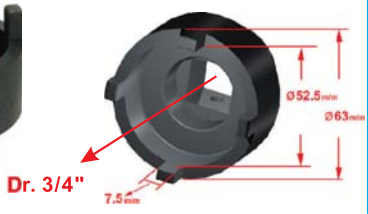
H.C.B-A2136 BENZ (W163/W164) M-CLASS PIN WRENCH SOCKET (Dr. 3/4")

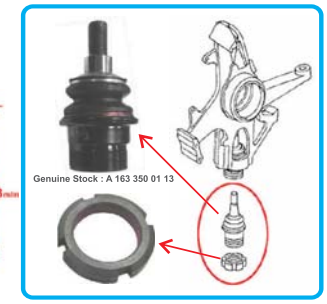
BENZ (W163/W164) (ML) 休旅車羊角下球接頭拆裝套筒 (Dr. 3/4")

20 / 10.6 / 12 / 0.07'

- This secure the retaining ring during R&R of ball joints.
- Application: MERCEDES-BENZ W163/W164 M-Class lower ball joint of front & rear axles.







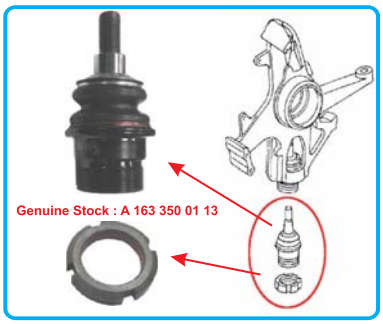
H.C.B-B2136 BENZ (W163/W164) M-CLASS PIN WRENCH SOCKET (Dr. 1/2")

BENZ (W163/W164) (ML) 休旅車羊角下球接頭拆裝套筒 (Dr. 1/2")

- To secure the retaining ring during R&R of ball joints.
- Application: MERCEDES-BENZ W163/ W164 M-Class lower ball joint of front & rear axles.





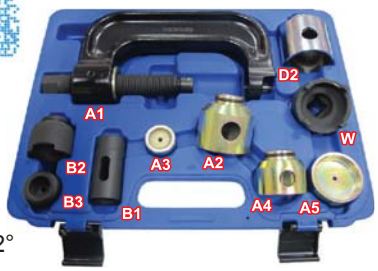


H.C.B-E1168 BENZ BALL JOINT REMOVAL/ INSTALLATION TOOL KIT (COMPREHENSIVE) PAT. M333280

賓士綜合型球接頭拆裝工具組

3 / 25 / 26 / 1.68'

- This kit is for BENZ(W220/W211/W230/W163/W164/W215)BALL-JOINT.
- A series for BENZ(W220/W211/W215/W230)BALL-JOINT.
- B series for BENZ(W220/W211)BALL-JOINT.
- D2 for removing BENZ(W163/W164)FRONT & REAR BALL-JOINT.
- W for installing BENZ(W163/W164/W215)FRONT & REAR BALL-JOINT. W need to be locked over 300°Nm.
- The C-clamp was forged, its material is SCM440 and hardness is HRC 38°-42°
- On car maintenance
- This kit includes:A1168, B1168, D1168.



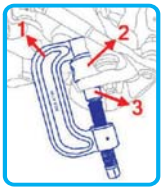
H.C.B-A1168 ON CAR BENZ (W211/W215/W220/W230) BALL JOINT REMOVAL/ INSTALLATION TOOL KIT PAT. M333280

BENZ (W211/W215/W220/W230) 前下球接頭拆裝器

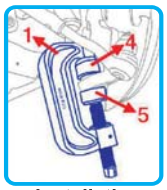
4 / 26 / 26.5 / 1.73'

- The C-clamp was forged, its material is SCM440 and hardness is HRC 38˚~42˚
- On car maintenance.
- Special design to remove & install the ball joint without removing any parts.
- Application: BENZ W211/W215/W220/W230





Extraction



Installation

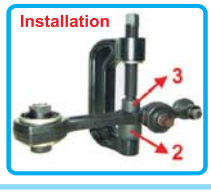
H.C.B-B1168 ON CAR BENZ (W220/W211) SUB-FRAME BALL JOINT REMOVAL/ INSTALLATION TOOL KIT PAT M.333280

BENZ (W220/W211) 後三角架球接頭拆裝工具組

- The C-clamp was forged, its material is SCM440 and hardness is HRC 38˚~42˚
- On car maintenance.
- Special design to remove & install the ball joint without remove any parts.
- Presses the ball joint into the steering knuckle on BENZ W220 & W211.
- N.W.: 4.72 KGS









H.C.B-D1168 ON CAR BENZ (W163/W164) BALL JOINT REMOVER PAT. M333280

BENZ (W163/W164) 球接頭拆卸器

4 / 27.2 / 28.4 / 1.28'

- The C-clamp was forged, its material is SCM440 and hardness is HRC 38˚- 42˚
- On car maintenance
- Remove the drive shaft before use this tool.
- Combine with H.C.B-A2136 while installing ball joint.
- Application: BENZ W163/W164.
- N.W.: 5.61 KGS







BUSH NUMBER : 032 060 035 012
032 060 042 012

H.C.B-A1318 BENZ (W211/W221/W164) AIR SUSPENSION PIPING SOCKET

BENZ (W211/W221/W164)
避震器高壓風管拆卸套筒

- Application: BENZ W211/W221/W164
- Special open design helps to remove the nut without taking away air suspension pipe.







H.C.B-A2292 BRAKE CALIPER WIND BACK TOOL KIT (37 PCS)

剎車分泵調整組 (通用型)

- Application: Renault, Citroen, Audi, BMW, Ford, Lancia, Proton, Rover, Volkswagen, Mini Cooper, Nissan, Saab, Honda, Alfa Romeo, Opel/Vauxhall auxhall, Subaru, Mazda, Mitsubishi, Volvo, iat, Mercedes-Benz
- Left and right hand threaded wind back tools.
- Includes 30 adaptors and 5 reaction plates.



H.C.B-A2017 UNIVERSAL CALIPER WIND BACK KIT

碟式分泵調整組 (通用型)

10 / 14.5 / 15.5 / 1.55'

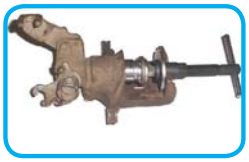
- Winds back brake piston for replacing brake pads.
- Application: BENZ, BMW, OPEL, FORD, NISSON, (CEFIRO), TOYOTA, GM, most of cars.




STEP1


STEP2


STEP3


STEP4

H.C.B-A2117 18 PCS UNIVERSAL CALIPER WIND BACK KIT

18 PCS煞車分泵調整組(通用型)

8 / 18.72 / 20.6 / 1.31'

12-L 12-R







- Material: S45C
- Hardness: 38° ~ 43°
- Application :

(1) Plate
(2) CITROEN/XM, XANTIA.(F/R)
(3) AUDI(F). FIAT/ALFA ROMEO(F). FORD/FIESTA(F),ISUZU(F). HONDA/CONCERTO(F). JAGUAR/XJ6, XJ40 (F/R) BMW/318IS, 320I, 325TD, 518I, 525I & LX, 740I, 850CI, M5(F). MERCEDES BENZ/190, 200, 300, 420,560 SERIES(F). MITSUBISHI/COLT(F). NISSAN/MLERA STANZA, SUNNY(F). ROVER/AUSTIN, METRO, 200 & 400 SERIES, MAESTRO, MONTEGO(F). TOYOTA/CAMRY(F). VOLVO(F). VW/PASSAT, GOLF GTI(F)
(4) Ford Australia/NZ Telstra, Laser(R). MAZDA(R). SAAB 9000(R). IAT/ALFA ROMEO 164 2.0(R). HONDA/PRELUDE, CRX 16i, GM/SATURN(R).
(5) Dr. 3/8" adapter is used with extension bar and ratchet when need to apply more strength to the piston.
(6) NISSAN, PRIMERA, VW/GOLF IV.
(7) AUDI/80, 90, V8+100, COUPE E(R). ROVER/800 ABS. SUBARU L+Z(R). FORD/SIERRA ABS, GRANADA, S CORPIO ABS 85(R). NISSAN/BLUEBIRD 1.8 TURBO, SILVIA TURBO PRIMERA 2.0I LS/GS/GSX(R). PEUGEOT/405 1.9GI, GRI, SRI, GTXI, MI 16, 605 2.0 SRI(R). TOYOTA/CELICA, COROLLA GT, MR2(R). VW/GOLF GTI, JETA SYNCHRO, JETTA GTI 16V, PASSAT CL, GL, GT AND GT 16V, CORRADO 16VSCIRROCA GTX 16V(R).
(8) GM most 1-7/8" diameter pistons.
(9) GM most 2-1/8" diameter pistons.
(0) GM most 2-1/2" diameter pistons.
(A) RENAULT/R21, LAGUNA (REAR DISK). (M)FORD MONDEO. MINI COOPER/MAZDA 3 (N)SAAB. FORD METROSTAR HONDA. (F)OPEL (REAR DISK) (K)CITROEN (E)NISSAN MAXIMA

H.C.B-A2174 21 PCS UNIVERSAL BRAKE CALIPER WIND BACK KIT

21 PCS 煞車分泵調整組 (通用型)

10 / 25.5 / 26.5 / 1.87'



1-1: RIGHT HAND HELIX BOLT, appliction: General Car
1-2: LEFT HAND HELIX BOLT, appliction: VW, NISSAN (CEFIRO)
2: Citroen/XM, Xantia. (F/R)
3: Audi (F). FIAT/Alfa Romeo (F). Ford/Fiesta (F). ISUZU(F). HONDA/ Concesto(F). Jaguar/XJ6,XJ40(F/R).BMW/318is,320i,325TD,518i,52 5i & 1x,740i,850ci,M5.(F). Mercedes Benz/190, 200, 300, 420, 560 series (F). Mitsubishi/Colt (F). NISSAN/Mlera, Stanza, Sunny(F).Rover/Austin, Metro,200 & 400 series, Maestra, Montego(F).TOYOTA/Camry(F). Volvo (F). VW/ Passat, Golf GTI (F).
4: FORD Australia/NZ Telstar, Laser(R). MAZDA(R). SAAB 9000 R). FIAT/ Alfa Romeo 1642.0(R).HONDA/Prelude, CRS 16i, GM/Saturn(R).GM/Grand Prix,Lumina.
5: 3/8" dr. Adapter used with extention bar and ratchet when need to apply more strength to the piston.
6: NISSAN, PRIMERA, VW/Golf IV.
7: Audi/80,90,V8+100, Coupe E(R). Rover/800 ABS. SUBARU L+Z(R). FORD/Sierra ABS, Granada, Scorpio ABS 85(R). NISSAN/Bluebird 1.8 Turbo, Silvia Turbo, Primera 2.0i LS/GS/GSX(R). PEUGEOT/405 1.9Gi,Gri, Sri, Gtxi, MI 16,605 2.0 Sri(R). TOYOTA/Celica, Corolla GT,MR2(R).VW/Golf Gti, Jeta Synchro, Jetta Gti 16v, Passat CL, GL ,GT and GT 16v, Corrado 16V scirroca GTX 16V(R).
8: GM most 1-7/8" diameter pistons.
9: GM most 2-1/8" diameter pistons. (CADI Seville/Eldorad 80-85).
0: GM most 2-1/2" diameter pistons. (Seville/Eldored 79).

A: Renault/R21, Laguna (Rear Disk). M: Ford Motors Mini Cooper. N: SAAB. Honda.
F: Opel (Rear disk) E:NISSAN Maximas. K: Citroen
K1: Citroen K2: Citroen

H.C.B-A2135 UNIVERSAL AIR POWERED DISC CALIPER WIND BACK KIT

氣壓碟剎分泵回復器

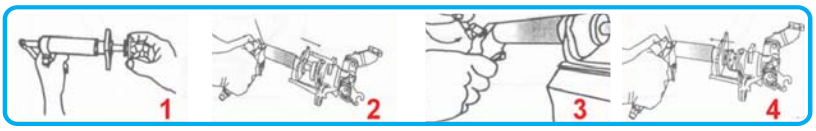
5 / 15.3 / 16.2 / 2.02'





1. Air Adjusting Lever
2. Citroen/XM, Xantia. (F/R)
3. Audi(F). FIAT/Alfa Romeo(F). Ford/Fiesta(F). Isuzu(F). Honda/Concesto(F). Jaguar/XJ6, AJ40(F/R). BMW/318is, 320i, 325TD, 518i, 525i & 1x, 740i, 850ci, M5.(F). Mercedes Benz/190, 200, 300, 420, 560 series(F). Mitsubishi/ Colt(F). NISSAN/Mlera, Stanza, Sunny(F). Rover/Austin, Metro, 200 & 400 series, Maestra, Montego(F). TOYOTA/Camry(F). Volvo(F). VW/Passat, Golf GTI(F).
4. FORD Australia/NZ Telstar, Laser(R). MAZDA(R). SAAB 9000(R). FIAT/Alfa Romeo1642.0(R).HONDA/Preluda, CRS 16i, GM/Saturn(R). GM/Grand Prix, Lumina.
5. Dr. 3/8" Adapter used with extention bar and ratchet when need to apply more strength to the piston.
6. NISSAN, PRIMERA, VW/Golf 1V.
7. Audi/80, 90, V8+100, CoupeE(R). Rover/800ABS. SUBARUL + Z(R). FORD/Sierra ABS, Granada, Scorpio ABS 85 (R). NISSAN/Bluebird 1.8 Turbo, Silvia Turbo, Primera2.0i LS/ GS/GSX(R). PEUGEOT/405 1.9Gi, Gri, Sri, Gtxi, Ml 16, 605 2.0 Sri(R). TOYOTA/Celica, Corolla GT, MR2(R). VW/Golf Gti, Jeta Synchro,Jetta Gti 16v, Passat CL, GL. GT and GT 16v, Corrado 16v scirroca GTX 16V(R).
8. GM most 1-7/8" diameter pistons.
9. GM most 2-1/8" diameter pistons. (CADI Seville/Eldorad 80-85)
10. GM most 2-1/2" diameter pistons.(Seville/Eldored 79).

A. Renault/R21, Laguna (Rear Disk).
M. Ford Motors, MINI/ R68,MAZDA 3
N. SAAB. Honda. Alfa Romeo AUDI, VW,Lancia
E. NISSAN Maximas.
F. Opel (Rear disk)
K. Citroen



H.C.B-C2135 NEW UNIVERSAL AIR POWERED DISC CALIPER WIND BACK KIT (23 PCS)

氣壓式碟剎分泵回復器 (23 PCS)



0: GM 2-1/2″ diameter pistons
2: No data
3: Citroen, Mercedes, Peugeot, Renault, VAG
4: Jaguar
5: 3/8″Dr to fit other tools on the market
6: Opel
7: Ford, Nissan
8: GM 1-7/8″ diameter pistons
9: GM 2-1/8″ diameter pistons
A: Renault
B1: Ford
B2: Iveco Daily, Ford Transit
B3: BMW
B4: BMW
B5: Honda, Mini Cooper
E: Honda, Mazda
F: Opel, Toyota
K: Citroen
K1: Citroen
M: Mazda, Renault, Saab, Volvo
N: Fiat, Lancia
W: Renault, Volvo, Volkswagen

H.C.B-A1446 BENZ (W211/W215/W219/W220/W221/W230) BALL JOINT SEPARATOR (W/ HYDRAULIC CYLINDER) (10 TONS)

BENZ (W211/W215/W219/W220/W221/W230) 球接頭工具 (油壓)(10 噸)

- Puller for track control arm and radius rod at stub axle assembly joints (used with hydraulic press)
- Application: BENZ (W211/ W221/ W215/ W219/ W220/ W230)
- **BENZ OEM no. ref.:** 220-589-00-33-00





H.C.B-C1535 NEW BENZ & BMW FREE WHEELING ADAPTER PAT.

BENZ & BMW 自由輪輔助器

FREE WHEELING ADAPTER

- The free wheeling mechanism is used for transporting vehicles with failed ISM.
- Raise vehicle (on lift or using vehicle jack) and remove either the left or right rear wheel.
- Install the free wheeling adapter to the rear axle of the vehicle with the five supplied Allen screws and tighten to a torque of 80 Nm
- Mount the original vehicle wheel to the free wheeling adapter using the original wheel bolts and torque to 80 Nm
- With the free wheeling adapter installed, the vehicle can now be rolled to a desired location or onto a flatbed vehicle transporter without any difficulty
- Application:
  BENZ Model : 164.122/125/175/177/186/822/825/871/
  251.122/125/165/175/177/W221
  BMW Model: F01.F02.F07.F10.F11.F12.F13.F25.
  F30.F31.F32.F33.F34





H.C.B-C2189 BENZ M & R-CLASS BRAKE CALIPER WIND BACK SOCKET (Dr. 1/2", 78 mm, H11)

BENZ M & R-CLASS 煞車分泵拆卸套筒 (Dr. 1/2", 78 mm,H11)

- Size: Dr. 1/2" x H11
- Length: 78 mm
- Application: MERCEDES-BENZ M & R-CLASS
- Special designed to replace the brake lining.

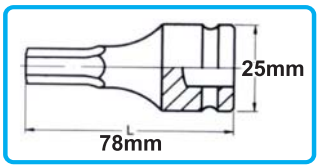


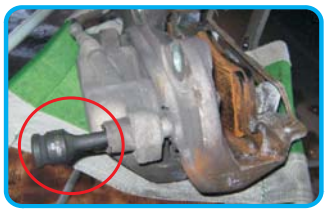
H.C.B-A2189 MERCEDES-BENZ M & R-CLASS BRAKE CALIPER WIND BACK SOCKET (H9)

BENZ M & R-CLASS 煞車分泵拆卸套筒 (H9)

- Dimensions: D: 25 mm, Length: 78 mm, Dr. 1/2", Hex. 9
- Application: MERCEDES-BENZ M & R Class, BENZ W163/W164/W251.VW T5, BMW, VOLVO X C60







H.C.B-A1369 BENZ SPRINTER REAR AXLES SOCKET

BENZ SPRINTER 後羊角套筒

- Application: BENZ Sprinter



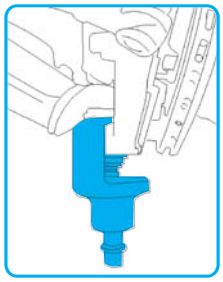
H.C.B-A1377 BENZ SPRINTER,VW LT BALL JOINT REMOVER (35 mm) PAT. M 362085

BENZ SPRINTER, VW LT 球接頭拔卸器 (35 mm)

- The ball joint remover has a ball bearing pressure peak which can be used with an impact wrench. With the pressure and impact moment great, loosening torque is achieved.
- Application: Mercedes Benz Sprinter, BMW (E70) and VW LT for loosening the very tight suspension ball joint at the front suspension.









H.C.B-A2155 DRIVE SHAFT SPECIAL SOCKET KIT (Dr. 1/2") (5 PCS)

傳動軸專用套筒組 (Dr. 1/2") (5 PCS)

9 / 22.5 / 24 / 1.64'

■ Double-Hexagon (12 points) sockets are for gearboxes, differentials, and front & back axles.







A2155-030 30mm
12-Points Socket

Applicable: BMW E36, E46, Citroen Saxo, Ford Galaxy, Mercedes W123, W124, W126, W129, W201, W203, W211, Opel Astra F, Astra G, Renault Scenic, Clio, Kangoo, Toyota Avensis, Picnic und VW Golf Ⅲ, Golf IV, Lupo, Touareg, T5 etc.

Drive	Size	Length(mm)	Weight(g)
1/2"	30	75	328



A2155-032 32mm
12-Points Socket

Applicable: Fiat Punto, Ford Escort, Mondeo, Mercedes W140, Nissan Almera, Opel Astra H, Vivaro, Subaru Outback etc.

Drive	Size	Length(mm)	Weight(g)
1/2"	32	75	404



A2155-034 34mm
12-Points Socket

Applicable: Fiat Marea, Lancia Lybra, Renault etc.

Drive	Size	Length(mm)	Weight(g)
1/2"	34	75	436



A2155-035 35mm
12-Points Socket

Applicable: Peugeot 307, 407, 806 etc.

Drive	Size	Length(mm)	Weight(g)
1/2"	35	75	474



A2155-036 36mm
12-Points Socket

Applicable: Audi, BMW E36, E39, X5, Ford Transit, Seat Ibiza, Cordoba, Nissan Primera, VW Polo, Golf V, Touareg etc.

Drive	Size	Length(mm)	Weight(g)
1/2"	36	75	536

H.C.B-B2155 DRIVE SHAFT SPECIAL SOCKET KIT (Dr. 1/2") (6 PCS)

傳動軸專用套筒組 (Dr. 1/2'') (6 PCS)





B2155-024 24mm
12-Points Socket

Applicable: VW GOLF (VI,VII), Scirocco, Tiguan, Touran, Passar(3C),Passat CC,Audi A3,TT ; Seat Leon, Altea , Skoda Octavia(1Z), Super B(3T) etc

Drive	Size	Length(mm)	Weight(g)
1/2"	24	75	480



A2155-030 30mm
12-Points Socket

Applicable: BMW E36, E46, Citroen Saxo, Ford Galaxy, Mercedes W123, W124, W126, W129, W201, W203, W211, Opel Astra F, Astra G, Renault Scenic, Clio, Kangoo, Toyota Avensis, Picnic und VW Golf Ⅲ, Golf IV, Lupo, Touareg, T5 etc.

Drive	Size	Length(mm)	Weight(g)
1/2"	30	75	328



A2155-032 32mm
12-Points Socket

Applicable: Fiat Punto, Ford Escort, Mondeo, Mercedes W140, Nissan Almera, Opel Astra H, Vivaro, Subaru Outback etc.

Drive	Size	Length(mm)	Weight(g)
1/2"	32	75	404



A2155-034 34mm
12-Points Socket

Applicable: Fiat Marea, Lancia Lybra, Renault etc.

Drive	Size	Length(mm)	Weight(g)
1/2"	34	75	436



A2155-035 35mm
12-Points Socket

Applicable: Peugeot 307, 407, 806 etc.

Drive	Size	Length(mm)	Weight(g)
1/2"	35	75	474



A2155-036 36mm
12-Points Socket

Applicable: Audi, BMW E36, E39, X5, Ford Transit, Seat Ibiza, Cordoba, Nissan Primera, VW Polo, Golf V, Touareg etc.

Drive	Size	Length(mm)	Weight(g)
1/2"	36	75	536

H.C.B-D2155-27 DRIVE SHAFT SPECIAL SOCKET (12 POINTS, SW 27 mm)

傳動軸專用套筒 (12 角 , SW 27 mm)

- Size: Dr. 1/2" , 27 mm



H.C.B-D2155-31 DRIVE SHAFT SPECIAL SOCKET (12 POINTS, SW 31 mm)

傳動軸專用套筒 (12 角 , SW 31 mm)

- Size: Dr. 1/2" , 31 mm



H.C.B-G2288 BENZ WHEEL LOCK SCREW SOCKET KIT (30 PCS)

BENZ 防盜螺絲套筒組 (30 PCS)

- Sizes: #301,#302,#303,#304,#305,#306,#307, #308,#309,#310,#311,#312,#313,#314, #315,#316,#317,#318,#319,#320,#321, #322,#323,#324,#325,#326,#327,#328, #329,#330
- Material: SCM440 chrome plated
- **BENZ OEM no. ref. :** B6 647 5331



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Specialty Tools Inc.





賓士引擎修護工具

BENZ ENGINE REPAIR TOOL





H.C.B-A1898 NEW BENZ (M133/M270/M274) GUIDE RAIL PIN PULLER

BENZ (M133/M270/M274) 內鍊滑板插銷拆卸器



- For Locking the mounting plate and pulling out the guide rail pin.
- Application: BENZ M133/ M270/ M274 Engine.
  A Class, B Class, C Class, E class, GLA
  Petrol 1.6/2.0 engines from 2011 to 2018.
- **BENZ OEM no. ref.:** 270 589 01 33 01/ 605 589 00 33 00

H.C.B-A1468 BENZ & BMW GUIDE RAIL PIN SLIDE HAMMER PULLER KIT

BENZ & BMW 內鏈滑板插銷倒盾拉拔器組



- This set comes with the following:

Parts No.	Description	OEM NO.
A1468-1	Rail Pin Puller Slide Hammer	116 589 20 33 00
A1468-2	Threaded Bolt (M8x150L)	616 589 00 34 00
A1468-3	Threaded Bolt (M6x150L)	116 589 02 34 00
A1468-4	Threaded Bolt (M10x100L)	116 589 03 34 00
A1468-5	Threaded Bolt (M6x100L)	102 589 00 34 00
A1468-6	Threaded Bolt (M8x50L)	616 589 00 34 00
A1468-7	Threaded Bolt (M6x50L)	116 589 01 34 00
A1468-8	Camshaft Sprock et Pin (M24xP1.5)	156 589 00 34 00
A1468-10 (Optional)	Threaded Bolt (M5 x 45L)	(2 pcs/1 set)

Optional:(選購)



A1468-10 used on M274
(可使用在 M274 上)



- Needed for the proper extraction of rail pins from cylinder head while out of the car.
- Impact extractor for guide rail bolts (basic equipment).
- Application: M102.92 /93 /96 /98, 103, 104, 110/92 /98 /99, 111, 116, 117, 119, 120, 155, 272, 275, 285, 601, 602.91 /93 /94 /96, 603.91 /93 /96 /97, 602.983, 615, 616, 617.91 /95, 606, 602.981, 612.965, 628, 640, 642

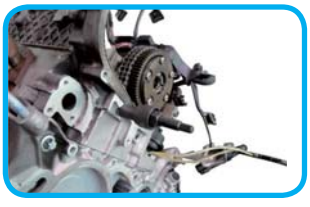
H.C.B-A1016 BENZ & BMW GUIDE RAIL PIN PULLER

BENZ & BMW 內鍊滑板插銷拔卸器



- It can remove the most stubborn pins from the cylinder head. This puller incorporates a thrust bearing to ease the pulling action.
- The overall length is 85 mm, which long enough to reach the problem areas.
- This alloy steel heat treated tool has already been tested in shops and has proven to be the best solution.
- Application: BENZ model M102, M110, M115, M116, M117, M130, OM601, OM602, OM 603, OM 615, OM616 & OM617.
- Screw specification: M8 x P1.25 x M6 x P1.0 x 30 mm (1 PCS)
  M8 x P1.25 x M5 x P0.8 x 30 mm (1 PCS)
  M8 x P1.25 x 30 mm (1 PCS)
- N.W.: 0.26 KG





H.C.B-A1017 BENZ (W210) FUEL TANK LID REMOVAL / INSTALLATION TOOL

BENZ (W210) 塑膠汽油箱蓋拆裝工具

- This tool is used for removing and installing the plastic fuel tank lid.
- Application: BENZ W210
- N.W.: 0.1 KG





H.C.B-A1039 BENZ (W202) FUEL TANK LID REMOVER / INSTALLER

BENZ (W202) 塑膠汽油箱蓋拆裝特種工具

30 / 25.2 / 27.4 / 1.41'

- The special tool is used for removing and installing the plastic fuel tank cup.
- Application: BENZ W202
- N.W.: 0.7 KG





H.C.B-A1240 BENZ / BMW / VW FUEL TANK LID REMOVER / INSTALLER

BENZ / BMW / VW 塑膠汽油箱蓋拆裝器

- For removing and installing the plastic fuel tank lid.
- Application: BENZ W163/ W203/ W211, BMW E36/ E46, VW, AUDI
- **BENZ OEM no. ref.:** 203-589-01-07-00





H.C.B-A1379 BENZ (W204 / W212), BMW (F10) FUEL TANK LID REMOVER / INSTALLER

BENZ (W204 / W212), BMW (F10) 汽油油箱蓋拆裝器

- The tool is used for removing and installing the metal fuel tank lid.
- Application: BENZ W204/ W212, BMW F10, SAAB(93)



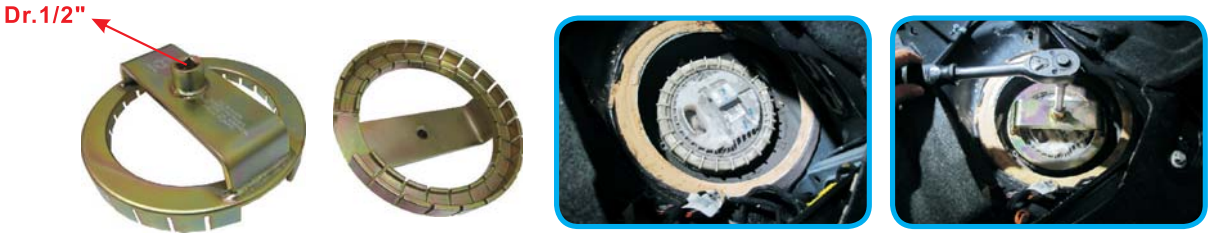




H.C.B-A1399 BENZ (W164 / W251) FUEL TANK LID WRENCH (Dr. 1/2" , 22 POINTS)

BENZ (W164 / W251) 汽油浮筒拆裝器 (Dr. 1/2", 22 角)

- Fuel delivery slotted wrench for lock ring on fuel pump/sending unit.
- Application: Benz M-Class W164 from 2005-2011 and R-Class W251 Chassis.



H.C.B-A1022 BENZ & BMW FAN SERVICE WRENCH KIT (8 PCS)

BENZ & BMW 專用風扇扳手組 (8 PCS)

5 / 24.8 / 25.8 / 1.9'

- The hardest material, S45C & heat treated.
- Shiny surface treatment, just like mirror.
- The best quality in the field.





(A) BMW VISCOUS FAN NUT WRENCH (32mm)
BMW風扇扳手 (32mm)
(B) BMW PULLEY HOLDER
BMW 風扇支擋扳手(雙頭)
(C) MERCEDES-BENZ FAN CLUTCH WRENCH (65mm)
BENZ風扇支擋扳手 (65mm)
(D) BENZ REACTION WRENCH WITH 3HOLES (Ø10.3)
BENZ風扇支擋扳手 (三孔) (Ø10.3)
(E) BENZ VISCOUS FAN NUT WRENCH (36mm)
BENZ風扇扳手 (36mm)
(F) BENZ HOLDING TOOL (L TYPE)
BENZ風扇支擋扳手 (L型)
(G) BENZ FAN BELT SERVICE WRENCH
BENZ風扇支擋板手
(H) BENZ REACTION WRENCH WITH 3 HOLES (Ø11.7)
BENZ風扇支擋扳手 (三孔) (Ø11.7)

H.C.B-A1022(A) BMW VISCOUS FAN NUT WRENCH (32 mm)

BMW 風扇扳手 (32 mm)

- Remove lock nuts on thermo-viscous fans found on FORD, BMW ...etc.
- N.W.: 0.42 KG
- Length: 383 mm
- Hardness: HRC 40°~45°





H.C.B-A1022(B) BMW PULLEY HOLDER

BMW 風扇支擋扳手 (雙頭)

- To hold the water pump pulley in place while loosening the radiator fan.
- N.W.: 0.38 KG
- Length: 400 mm
- Hardness: HRC 40°~45°





H.C.B-A1022(C) MERCEDES-BENZ FAN CLUTCH WRENCH (65 mm)

BENZ 風扇扳手 (65 mm)

- Special open-ended spanner allows removal and replacement the radiator fan hub.
- Application: MERCEDES engines
  M103 (6-cylinder),
  M104 (6-cylinder 4-valve),
  M119 (8-cylinder 4-valve),
  M120 (12-cylinder 4-valve).
- N.W.: 0.5 KG
- Length: 395 mm
- Hardnes: HRC 40°~45°





H.C.B-A1022(D) BENZ REACTION WRENCH WITH 3 HOLES (Ø 10.3)

BENZ 風扇支擋扳手 (3 孔) (Ø10.3)

- Required to remove the radiator fan hub.
- The reaction spanner is bolted to the front face of the hub. The Poly-V belt is not in place and can not be used to lock the hub.
- Use for viscous fan.
- Application: MERCEDES C- and E-class engines M111 (4-cylinder 4-valve), OM604 OM605 and OM606. Slim handle for tight space operation.
- N.W.: 0.45 KG
- Length: 410 mm
- Hardness: HRC 40° ~ 45°





H.C.B-A1022(E) BENZ VISCOUS FAN NUT WRENCH (36 mm)

BENZ 風扇扳手 (36 mm)

- For undoing the retaining bolt on MERCEDES radiator fans.
- Application: MERCEDES engines M111, OM604, OM605 and OM606 (C- and E-class).
- N.W.: 0.68 KG
- Length: 343 mm
- Hardness: HRC 40°~45°





H.C.B-A1022(F) BENZ HOLDING TOOL (L TYPE)

BENZ 風扇支擋扳手 (L 型)

- To remove the VISCO-coupling on the cooling fan.
- Application: MERCEDES engines M103 M104
- N.W.: 0.08 KG
- Length: 282 mm
- Hardness: HRC 40°~45°





H.C.B-A1022(G) BENZ FAN BELT SERVICE WRENCH

BENZ 風扇支擋扳手



- This universal tool is designed for servicing MERCEDES-BENZ, NISSAN quest mercury villager radiator fans and pulley belts. The three-in-one design allows servicing three separate areas of repair all of which require a specialty tool due to their confined locations.
- This special wrench can be used for loosening the A/C idler pulley tensioner lock-nut for A/C belt adjustment or replacement 8 mm & 10 mm bit included.
- N.W.: 0.7 KG
- Length: 489.5 mm





H.C.B-A1022(H) BENZ REACTION WRENCH WITH 3 HOLES (Ø 11.7)

BENZ 風扇支擋扳手 (3 孔) (Ø11.7)



- For electric-suction fan.
- For holding fan pulley while loosening or tightening screws on viscosity fan coupling.
- Application: M112, 113, 119, 985 (1996-2003)



H.C.B-A1022(I) VW/AUDI FAN CLUTCH WRENCH (46 mm)

VW/AUDI 風扇扳手 (46 mm)

- The hardest material, S45C, and heat treated.
- Shiny surface treatment, just like mirror.
- The best quality in the field.
- For holding fan pulley while loosening or tightening screws on viscosity fan coupling.
- Application: VW / AUDI



H.C.B-A1058 BENZ (M111 / M112) CRANKSHAFT PULLEY HOLDER

BENZ (M111 / M112) 曲軸支擋扳手

10 / 18 / 21 / 2.38'



- Suitable for BENZ M111, M112 break loosen the crankshaft pulley and harmonic balancer bolt.
- Designed to properly secure the pulley from rotating during R&R of crank bolt. The 50 mm hexagon head armature slips past the lightest of spaces and slides right into the center slot on the pulley. Then slide the long bar onto the receiving end of the armature and lock into position with the securing bolt.



H.C.B-A1099 BENZ (M112 / M113 / M137) CRANKSHAFT HARMONIC BALANCER PULLEY HOLDER

BENZ (M112 / M113 / M137) 曲軸支擋扳手

6 / 18.7 / 20.6 / 1.06'

- For removing and replacing the crankshaft bolt of M112 and M113 and M137, as found on E320, E430 ... etc.







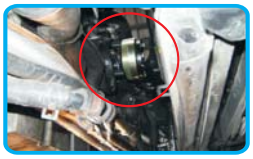
H.C.B-B1099 BENZ (M112 / M113 / M137) CRANKSHAFT HARMONIC BALANCER PULLEY HOLDER

BENZ (M112 / M113 / M137) 曲軸支擋扳手

- For removing and replacing the crankshaft bolt of M112, M113 & M137, as found on E320, E430… etc.









H.C.B-A1815 NEW BENZ (M271) CRANKSHAFT HARMONIC BALANCER PULLEY HOLDER

BENZ (M271) 曲軸支擋扳手

- For removal and replacement of the crankshaft bolt.
- Application: BENZ (M271)
- **BENZ OEM no. ref.:** 271 589 03 40 00

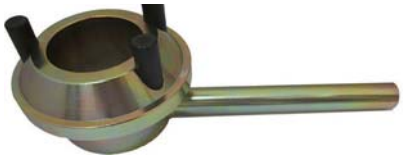




H.C.B-C1199 BENZ (M271) CRANKSHAFT HARMONIC BALANCER PULLEY HOLDER

BENZ (M271) 曲軸支擋扳手 (271 589 00 40 00)

- For removing and replacing the crankshaft bolt.
- Application: BENZ (M271)

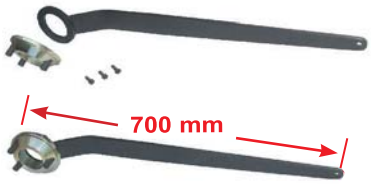


H.C.B-A1199 BENZ (M271) CRANKSHAFT HARMONIC BALANCER PULLEY HOLDER

BENZ (M271) 曲軸支擋扳手 (271 589 00 40 00)

- To remove and replace the crankshaft bolt.
- Application: BENZ (M271)













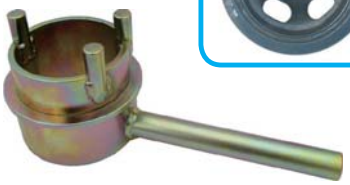
H.C.B-B1199 BENZ (M271) CRANKSHAFT HARMONIC BALANCER PULLEY HOLDER

BENZ (M271) 曲軸支擋扳手 (271 589 00 40 00)

- For removal and replacement of the crankshaft bolt.
- Application: BENZ (M271)
- **BENZ OEM no. ref.:** 271 589 00 40 00







H.C.B-A1260 BENZ (642) CRANKSHAFT HUB LOCKING TOOL

BENZ (642) 曲軸支擋扳手

NO	Chassis No	Model	Engine Type
1	W203.020	C320 CDI	642.910
2	W203.220	C320 CDI	642.910
3	W209.320	CLK320 CDI	642.910
4	W209.420	CLK321 CDI Cabrio	642.910
5	W219.322	CLS320 CDI	642.920
6	W211.220	E280 CDI	642.920
7	W211.020	E280 CDI	642.920
8	W211.620	E280 CDI	642.920
9	W211.022	E320 CDI	642.920
10	W211.222	E320 CDI	642.920
11	W211.024	E320 CDI BLUETEC	642.920
12	W211.084	E280 CDI 4 MATIC	642.921
13	W211.284	E280 CDI 4 MATIC	642.921
14	W211.089	E320 CDI 4 MATIC	642.921
15	W211.289	E320 CDI 4 MATIC	642.921
16	W204.022	C320 CDI	642.960
17	W204.089	C320 CDI 4MATIC	642.961
18	W204.289	C320 CDI 4MATIC	642.961



A 642 030 00 03





H.C.B-A1326 BENZ (M272 / M273) CRANKSHAFT PULLEY HOLDING TOOL

BENZ (M272 / M273) 曲軸支擋扳手

6 / 24 / 25 / 2.65'



- Removal and replacement of the crankshaft bolt.
- Application: BENZ (M272/M273)







H.C.B-B1326 BENZ (M272 / M273) CRANKSHAFT PULLEY HOLDING TOOL

BENZ (M272 / M273) 曲軸支擋扳手

- For the removal and replacement of the crankshaft bolt.
- Application: BENZ (M272/M273)



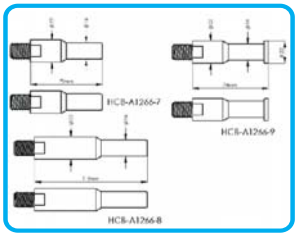


H.C.B-A1266 ADJUSTABLE UNIVERSAL CRANKSHAFT PULLEY HOLDING TOOL USA PAT.7069821 TW PAT.227176

專利可調式皮帶盤支擋扳手

4 / 22.6 / 23.7 / 2.37'

- Adjustable distance: P.C.D 30 mm ~ 150 mm
- Material: SCM440 (Forging)
- This tool is designed for holding the crankshaft only.
- Application: BENZ S600, M137, M112, M113, M271, M642, CEFIRO A32, A33 and most kinds of engine









A32



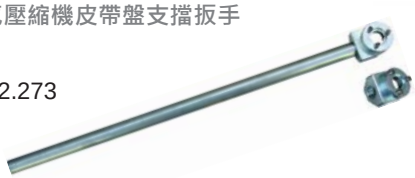
A33



H.C.B-A1268 BENZ (M112/M113/M272/M273) AIR CONDITIONING COMPRESSOR PULLEY HOLDING TOOL

BENZ (M112/M113/M272/M273) 冷氣壓縮機皮帶盤支擋扳手

- Use H7 socket when repairing M272.
- Application: Benz Engine M112.113.272.273
- Counter holder for fixing in place and unfastening the belt pulley on the air condition compressor.
- N.W.: 0.51 KG





H.C.B-A1689 BENZ (M272/ M273) CAMSHAFT HOLDING TOOL

BENZ (M272/ M273) 凸輪軸支擋工具

- Unique tool designed to lock the left intake cam in place while servicing the cam chain drive system, and avoid the possibility of cam rotation causing damage to the engine by its simple locking mechanism.
- Application: BENZ M272/ M273 engines





H.C.B-A1028 BENZ (M102 / M103) VALVE SPRING COMPRESSOR

BENZ (M102 / M103) 免拆式汽門彈簧壓縮組

4 / 12.2 / 14 / 1.2'

- For R&R of valve spring.
- No need to remove cylinder head.
- Application: BENZ (M102 / M103)



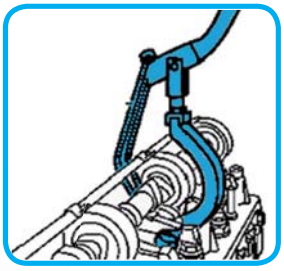


H.C.B-A1267 BENZ VALVE SPRING COMPRESSOR

BENZ 汽門彈簧壓縮桿

- To compress valve springs for replacement of seals, stems, or valves on pre 1991 six cylinder (except 110) and eight cylinder engines through 1991.
- Valve Spring Compressor Tool used for the proper R & R of valve spring or rocker arm. Job can be done with the cylinder head on or off the car.
- Application: M114, 115, 116, 117, 130, 180.
- N.W.: 0.95 KG



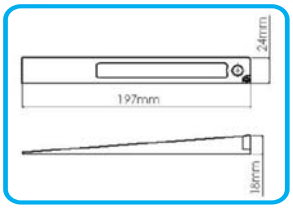


H.C.B-A1074 WEDGE KIT

BENZ 門板拆卸器

■ Material : Polyamide (聚醯胺纖維)









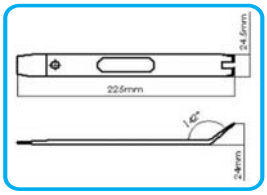


H.C.B-A1074-1 WEDGE KIT

塑鋼撬棒

■ Material : Polyamide (聚醯胺纖維)
■ To remove the wood &plastic pieces on the door panels safely as well as on the dashboard, without damaging it.
■ Application: all MERCEDES-BENZ.







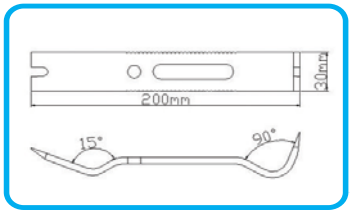


H.C.B-A1074-2 HANDY REMOVER

塑鋼撬棒

■ Material : High density polyethylene (聚乙烯)



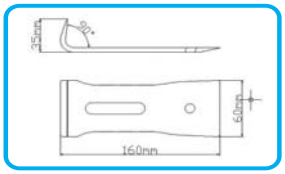


H.C.B-A1074-3 REMOVER WIDE TYPE

塑鋼撬棒

■ Material : High density polyethylene (聚乙烯)



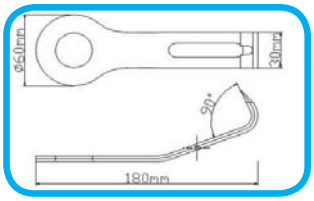


H.C.B-A1074-4 REMOVER PULL TYPE

塑鋼撬棒

- Material : High density polyethylene (聚乙烯)
- For plastic upholstery fasteners.
- Place tool under the edge of door panel and insert fastener as fast as possible, and then simply pry up.
- Large support area to protect clips and pad.





H.C.B-B1074

5 PCS HANDY REMOVER KIT
5 PCS 塑鋼撬棒組



H.C.B-G1074

5 PCS HANDY REMOVER KIT
5 PCS 塑鋼撬棒組



H.C.B-P1074

5 PCS HANDY REMOVER KIT
5 PCS 塑鋼撬棒組



H.C.B-C1074 MERCEDES-BENZ WEDGE REMOVER KIT (3 PCS)

MERCEDES-BENZ 門板拆卸工具組 (3 PCS)



H.C.B-T1074 MERCEDES-BENZ WEDGE REMOVER KIT (3 PCS)

MERCEDES-BENZ 門板核桃木工具組 (3PCS)



H.C.B-A1103 BENZ (W140) DOOR PLANK EXTRACTOR

BENZ (W140) 門板核桃木工具

- Genuine stock No.: 140 589 16 6300R.





H.C.B-A1067 BENZ ASSEMBLY SLEEVE FOR IGNITION

BENZ 鎖頭外框套

12 / 14.7 / 15.7 / 1.53'

- For removing and replacing the ignition switch retaining ring.
- Application: BENZ 129,140,164,169,171,199, 202, (AfterJane,1997), 203, 204, 208, 209, 210, 211, 215, 219, 220, 221, 230, 240, 245, 251, 414, 463 (After Dec ,2000), 906(Sprinter) as well as VW crafter





H.C.B-A1241 BENZ IGNITION LOCK REMOVER

BENZ 鎖頭拆卸器

- For turning the covering cap when removing / installing the locking cylinder on the ignition, and the glow plug starting switches.
- Application: W116, W123, W124, W126, W163, 129/140 (After June, 1995), 414, W170, W202, W210 ..... etc.







H.C.B-A2233 RADIO DASHBOARD REMOVAL / INSTALLATION TOOL KIT (52 PCS)

儀錶板 , 音響 , 鎖頭 , 拆裝工具組 (52 PCS)

- This set includes tools needed to install and remove after-market radios from a large variety of vehicle.
- This set is necessary when doing any radio repair or replacement.
- To avoid any radio or dashboard damaged, use the appropriate tool for the specific vehicle/radio.



H.C.B-C2003 RADIO REMOVAL TOOL KIT (20 PCS)

音響拆卸工具組 (20 PCS)



- Easily remove car radio/ CD players when dashboard femoval is needed.
- For the removal of popular car stereos from Becker, Blaupunkt, Grundig, JVC and Pioneer systems.
- Ideal for Audi, BMW, Ford, Mercedes-Benz, Porsche, Skoda, Volkswagen.
- Application: 4pc Radio Removal Keys (VW)
  2pc Radio Removal Keys (MERCEDES BENZ/ PORSCHE)
  2pc Radio Removal Keys (VW/ RENAULT/ MERCEDES BENZ/ ALPINE)
  2pc Radio Removal Keys (New SKODA)
  2pc Radio Removal Keys (New BECKER)
  2pc Radio Removal Keys (PIONEER)
  2pc Din Radio Removal U-Hooks (BLAUPUNKT/ PEUGEOT/ CLARION)
  1pc Allen Hex Wrench (BMW)
  2pc Din Radio Removal U-Hooks (ALFA/ FIAT/ FORD/ VW/ AUDI/ BLAUPUNKT/ RENAULT)
  1pc Special Pentagon Wrench (JVC/ PIONEER)

H.C.B-A2003 BENZ DASHBOARD SERVICE TOOL KIT

BENZ 儀錶板 , 音響 , 鎖頭拆裝工具組

60 / 13.1 / 17.3 / 2.09'

- Includes ignition lock remover, radio set remover, and instrument cluster removing hooks.





H.C.B-B2003 BENZ DASHBOARD SERVICE TOOL KIT (10 PCS)

BENZ 儀錶板 , 音響 , 鎖頭拆裝工具組 (10 PCS)

48 / 17.9 / 18.9 / 3.5'

- 2 pcs removal hooks for instrument cluster on models W107, W116, W123, W124, W126, W140, and W201
- 2 pcs removal tools for ignition lock on model W126
- 2 pcs removal tools for ignition lock on models W124 & W201
- 4 pcs radio removal tools on models W129, W140, W202, and W210



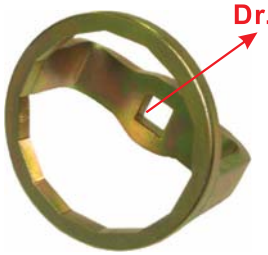




H.C.B-A1072 BENZ (M271 / M272) OIL FILTER WRENCH (Dr. 1/2", 14 POINTS, 74 mm)

BENZ (M271 / M272) 機油芯拆裝器 (Dr. 1/2", 14 角 ,74 mm)

40 / 13 / 14 / 1.59'







The tool is used for removing and installing the oil filter .



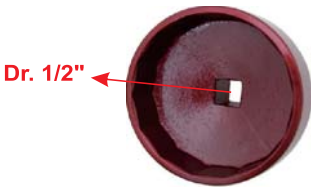


1993 BENZ S320 aluminum oil filter wrench.

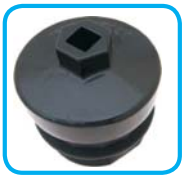
H.C.B-A1131 BENZ OIL FILTER WRENCH (Dr. 1/2", 14 POINTS, 74 mm)

BENZ 機油芯扳手 (Dr. 1/2", 14 角 , 74 mm)

50 / 8.7 / 11 / 2.7'



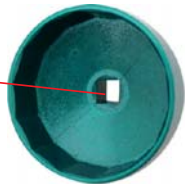
- Dimensions : Dr. 1/2", 14 POINTS, 74 mm.
- Application : All Mercedes-Benz models (Especially M271/M272). Audi (A3), BMW (E36), Citroen, Fiat, Ford, Lancia, Mazda, Nissan, Opel, Peugeot, Porsche (Cayenne Diesel 3.0 L), Renault, Toyota, VW (Golf IV), Ford Metrostar……, etc.
- Caution : Please use 27 mm socket with a wrench to manipulate the tool when the torque is over 25 Nm, otherwise the tool will risk being broken. The torque value limit is 25 Nm if the tool is operated with a wrench.




H.C.B-A1243 BENZ ML, BMW OIL FILTER WRENCH (Dr. 1/2", 14 POINTS, 84 mm)

BENZ ML, BMW 機油芯扳手 (Dr. 1/2", 14 角 , 84 mm)

- Dimensions: Dr. 1/2", 14 points, 84 mm.
- Application: 2007 Dodge Sprinter, Mercedes-Benz E320 (2007), C320, CLS320, E280, S320, ML280, ML320 and the 2007 Jeep Cherokee with the 3.0L V6 CRD (Common Rail Diesel) engines, BMW……, etc.







BENZ ML
67 402 17 429
MANN+HUMMEL 1
>PA 66-GF 35<



BMW 658 103 008
0 >PA66-GF35<
7 521 353

H.C.B-B1243 BENZ ML, BMW OIL FILTER WRENCH (Dr. 1/2", 14 POINTS, 84 mm)

BENZ ML, BMW 機油芯扳手 (Dr. 1/2", 14 角 , 84 mm)

- Dimensions: Dr. 1/2" , 14 points, 84 mm.
- Application: 2007 Dodge Sprinter,2007 Mercedes-Benz E 320 and 2007 Jeep Cherokee with the 3.0L V6 CRD (Common Rail Diesel) engines, BMW, Benz OM 642 Engine CDI
  Engines:C320, CLS320, E280, S320,ML280, ML320....,etc.



BENZ ML
67 402 17 429
MANN+HUMMEL 1
>PA 66-GF 35<

BMW 658 103 008
0 >PA66-GF35<
7 521 353

H.C.B-A1141 4 PCS OIL DIPSTICK KIT FOR BENZ

4 PCS BENZ 油尺組



A BENZ ENGINE OIL LEVEL GAUGE (VOLUTE)

- Material No.120589072100
- Engine Type:112.113.271.272.273.646.647.648
- Remark:VOLUTE
- Measuring rod for measuring oil level and for checking length of oil pipe.
- Full length: 930mm
- Reference: H.C.B-A1110
- Blue Color

B BENZ ENGINE OIL LEVEL GAUGE (STRAIGHT)

- Material No. 120589062100
- Engine Type: 103.943/984/985,104,111,119,120,137,603. 913/963/97,604,605,606,611,612,613,628,612.965,647, 648,629
- Remark: Straight
- Dipstick for determining oil level andinspecing length of dipstick guide tube.
- Full length:930mm
- Reference:H.C.B-A1109
- Yellow Color

C BENZ 722.7 TRANSMISSION OIL LEVEL GAUGE

- The tool is designed for measuring the oil level of transmission.
- Full length: 920 mm
- Application:Transmission type 722.7, 722.8, 716.5.
- Reference: H.C.B-A1146
- Green Color

D BENZ 722.6 TRANSMISSION OIL LEVEL GAUGE

- Genuine stock No.:140 589 15 21 00
- The tool is designed for checking ATF level.
- Application:MERCEDES models 1997 and newer with 722.6 transmission.
- Full length: 1220mm
- Reference: H.C.B-A1094
- Red Color







H.C.B-A1109 BENZ ENGINE OIL LEVEL GAUGE (STRAIGHT)

BENZ 機油尺 (直型)

100 / 4 / 5 / 0.77'

- Material No. 120589062100
  Engine Type: 103.943/984/985,104,111,119,120,137,603.913/963/97,604,605,606,611,612,613,628, 612.965,647,648,629
- Remark: Straight
- Dipstick for determining oil level and inspecting length of dipstick guide tube.
- Full length:930 mm
- Yellow Color





Specification of H.C.B.-A1109 ,H.C.B.-A1110 Engine Oil Level Gauge: for Car after September 2000

MODEL	CHASSIS NO.	ENGINE TYPE	HIGHEST LEVEL (cm)	LOWEST LEVEL (cm)
C240	203.061	112.912	16.8	14.8
C240	203.261			
CLK240	209.361			
CLK240 Cabriolet	209.461			
E240	211.061	112.913		
E240	211.261			
C320	203.064	112.946		
C320	203.264			
C320	203.274			
E320	211.065	112.949		
E320	211.265			
CLK320	209.365	112.955		
CLK320 Cabriloet	209.465			
C32 AMG K	203.065	112.961		
C32 AMG K	203.265			
SL350	230.467	112.973		
SL500	230.475	113.963	15.0	13.0
E500	211.070	113.967		
E500	211.270			
CLK500	209.375	113.968		
CLK500 Cabriolet	209.475			
E500 4 MATIC	211.083	113.969		
E500 4 MATIC	211.283			
S430	220.070	113.941	11.4	9.2
S430 L	220.170			
CL500	215.375	113.960		
S500	220.075			
S500 L	220.175			
S500 PULLMAN	220.875			
CL55 AMG	215.373	113.986		
S500	220.075			
S500 L	220.175			
S55 AMG	220.073			
S55 AMG L	220.173			

H.C.B-A1110 BENZ ENGINE OIL LEVEL GAUGE (VOLUTE)

BENZ 機油尺 (渦型)

100 / 4 / 5 / 0.77'

- Material No. 120589072100
- Engine Type:112.113.271.272.273.646.647.648
- Remark:VOLUTE
- Measuring rod for measuring oil level and for checking length of oil pipe.
- Full length:930 mm
- Blue Color





MODEL	CHASSIS NO.	ENGINE TYPE	HIGHEST LEVEL (cm)	LOWEST LEVEL (cm)
CL500 AMG K	215.374	113.991	11.4	9.2
S55 AMG K	220.074			
S55 AMG K L	220.174			
S55 AMG PULLMAN	220.874			

MODEL	CHASSIS NO.	ENGINE TYPE	HIGHEST LEVEL (cm)	LOWEST LEVEL (cm)
E55 AMG K	211.076	113.990	17.2	15.6
E55 AMG K	211.270			
SL55 AMG K	230.474	113.992		

MODEL	CHASSIS NO.	ENGINE TYPE	HIGHEST LEVEL (cm)	LOWEST LEVEL (cm)
CL600	215.378	137.970	11.6	10.5
S600L	220.178			
S600 PULLMAN	220.878			

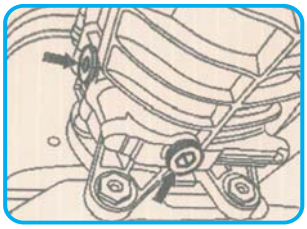
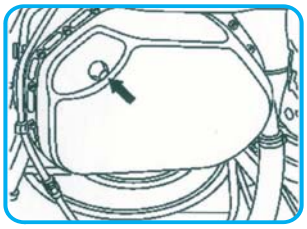
MODEL	CHASSIS NO.	ENGINE TYPE	HIGHEST LEVEL (cm)	LOWEST LEVEL (cm)
C200 K	203.042	271.940	12.7	10.4
C200 K	203.242			
C200 K	203.742			
CLK200 K	209.342			
CLK200 K Cabriolet	209.442			
E200 K	211.042	271.941		
E200 K	211.242			
C200 CGI K	203.043	271.942		
C200 CGI K	203.243			
C200 K	203.743			
CLK200 CGI K	209.443			
CLK200 K	209.343			
E200 K	211.043	271.943		
E200 K	211.343			
C180 K	203.046	271.946		
C180 K	203.246			
C180 K	203.746			
C230 K	203.040	271.948		
C230 K	203.740			

H.C.B-A1249 BENZ OIL PAN WRENCH (14 mm HEX x 13 mm BOX)

BENZ 油底殼扳手 (14 mm 六角凸 x 13 mm 六角孔)



- For oil filter plug on M8 gearbox
- Used for the R and R of the differential oil filler plug on many BMW and MERCEDES-BENZ.
- Application:Engine model M102.92/ 93/ 96/ 98/ 99, 103, 104, 110.92/ 98/ 99, 112, 113, 116, 117, 119, 120, 266, 275, 285, 601,602.91/ 93/ 94/ 96, 603.91/ 93/ 96/ 97, 604, 605, 606, 615, 616,617.91 /95
- Application: BENZ transmission model 716, 717, 722, 637

H.C.B-A1349 BENZ OIL PAN WRENCH (14 mm HEX x 17 mm BOX)

BENZ 油底殼扳手 (14 mm 六角凸 x 17 mm 六角孔)




- To service differential and transmission drain plugs.
- Application:110.107.116.117.123.124.126.129.140.170.201. 202.208.210.220.615.616.617.716.717

H.C.B-A1145 HEATED OXYGEN SENSOR SOCKET (Dr. 1/2", 22 mm)

含氧感應器套筒 (歐規) (Dr. 1/2", 22 mm)



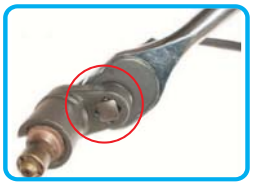





The operating diagram


The operating diagram




A reversible ratchet can be put from one angle

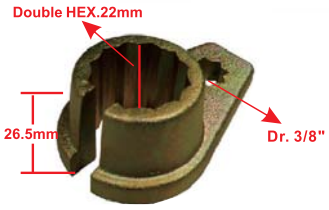

A reversible ratchet can be put from the other angle

- Put a slot in the side of this wrench to accommodate connectors on heated oxygen sensors, which usually do not fit in the sandard sensors wrenches. The extended and reinforced body removes the most stubborn sensors without rounding them off.
- Features : Dr. 1/2" of double square. SW 7/8" (22 mm) of hexagon.
- Flare nut for vacuum switch & oxygen sensor service on the computer-controlled engines.
- Application: FORD, TOYOTA, NISSAN, BENZ, BMW and most of the European Cars.

H.C.B-B1145 HEATED OXYGEN SENSOR SOCKET (Dr. 3/8", 22 mm)

含氧感應器套筒 (歐規) (Dr. 3/8", 22 mm)

60 / 9 / 10.4 / 1'





- Put a slot in the side of this wrench to accommodate connectors on heated oxygen sensors, which usually do not fit in the standard sensors wrenches. The forged body, more reinforced to remove the most stubborn sensors without rounding them off.
- Features : Dr. 3/8 "of double square. SW 7/8" (22 mm) of double hexagon.
- Flare nut for vacuum switch & oxygen sensor service on the computer-controlled engines.
- Application: FORD, TOYOTA, NISSAN, BENZ, BMW and most of European cars.

H.C.B-A1858 NEW BENZ (M272) CGI ENGINE SPARK PLUG CONNECTOR PULLER

BENZ (M272) CGI 引擎火星塞導線拔卸器

- For detaching the spark plug connector.
- Applicable Engine: 272.980/ 985/ 980
- BENZ OEM no. ref.: 272 589 013 300



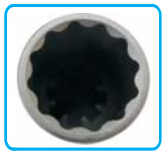


H.C.B-A1251 BENZ SPARK PLUG SOCKET (Dr. 3/8"x 5/8") (16 mm)

BENZ 火星塞套筒工具 (Dr. 3/8" x 5/8") (16 mm)





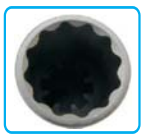


- Spark plug socket 5/8" (16 mm) with retaining spring and joint, Dr. 3/8" outer diameter 22 mm, length 93 mm.
- Application: M112, 113, 137, 155, 166, 271, 272, 273, 275, 902, 906 and X6

And motorcycles BMW C1, KAWASAKI, YAMAHA, HONDA, SUZUKI, DUCATI, as well as MERCEDES-BENZ passenger cars e.g. A-Class (type 168, 169), B-Class (type 245) With ball joint With fixing clamp for a firm hold of the spark plug short style inside square drive 10 = 3/8"

H.C.B-B1251 SPARK PLUG SOCKET (Dr. 3/8", 12 POINTS, 14 mm)

萬用高效能火星塞套筒 (Dr. 3/8", 12 角 , 14 mm)





Genuine stock No.: ZGR6STE2

- Size: Dr. 3/8", 14 mm, 12 Points, 90 mm/L.
- With fixing clamp for a firm hold of the spark plug.
- 12-Point profile enables application of 14 mm spark plugs with 6-Point and 12-Point.
- Application on BMW E 90 N 54 engine, 335 limousine since 2006, RENAULT Modus, Twingo, Clio, Kangoo With 1.2 16 V engine, PEUGEOT 207, 307, CITROEN C4 with 1.4 and 1.6 I 16 V engine, C5 with 2.0 HPi engine as well as on MERCEDES-BENZ engine M 156, engine M 276, NISSAN Micra, Note, MINI 1.2-1.4 I 4-cyl. since 2007, INFINITY

H.C.B-A1128 MERCEDES-BENZ V6 ENGINE SPARK PLUG BOOT PULLER

BENZ V6 火星塞高壓線扳手

100 / 19.4 / 22.5 / 1.73'











- Special angle design with 17 mm wrench and a lever for removing and installing the wire easily.
- Application: BENZ V6 engine.

H.C.B-A1144 BENZ (M111) OIL SEALING INSTALLER

BENZ (M111) 油封安裝工具

20 / 19.2 / 21.6 / 1.94'





- 210 589 00 15 00 drift punch for BENZ (M111) engine.
- Genuine stock No.: A111 016 0721 sealing; No.: 210 5859 00 15 00 drift punch.
- The seals get crack because they expand when heat and contracts with cold.
- Easy and quick to install.

H.C.B-A1167 SCANIA, BENZ (W203 / W209) WRENCH SOCKET (FLUID RESERVOIR ON CONDENSER) (Dr. 1/2", 27 mm)

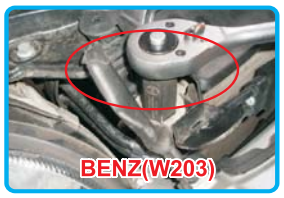
SCANIA, BENZ (W203 / W209) 冷凝器貯油槽套筒扳手 (Dr. 1/2", 27 mm)

- For screw plug removal and installation on fluid reservoir on condenser.
- Also used for SCANIA front wheel plastic cover.
- Application: BENZ (W203/W209) & SCANIA truck.
- Genuine Stock No.: 203 589 00 10 00



SCANIA(P340)





BENZ(W203)





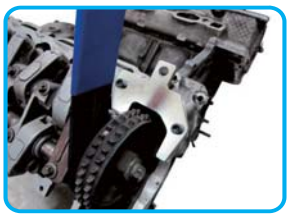
H.C.B-A1106 BENZ (M112 / M113) CAMSHAFT ALIGNMENT TOOL

BENZ (M112 / M113) 凸輪軸正時工具組

20 / 20 / 21.7 / 1.94'



- Holds camshaft in 40° TDC position (left / right side)
- Application: BENZ M112/M113
- **BENZ OEM no. ref.:** LH 112589013200
  RH 112589003200



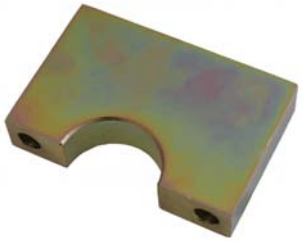


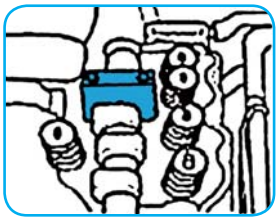


H.C.B-B1106 NEW BENZ LOCATING TOOL

BENZ 正時工具

- **BENZ OEM no. ref.:** W112 589 05 40 00





H.C.B-C1327 BENZ AMG M156 6.3 L TIMING TOOL KIT

BENZ AMG M156 6.3 升正時工具組







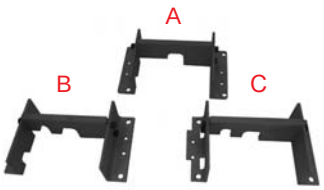
- Basic position of camshafts for a 40° crank angle after top dead center.
- Application: BENZ AMG 156.ML 63 AMG.S 63L AMG.S 63 AMG. R 63 AMG L 4MATIC. R63 AMG 4MATIC E 63 AMG. CLS 63 AMG. CLK 63 AMG. CLK 63 AMG Black series. CLK 63 AMG Cabrio. CL 63 AMG

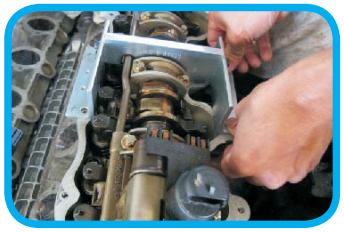
Parts No.	OEM No	Description
H.C.B-C1327-1	156 589 00 61 00	Camshaft fixing base
H.C.B-C1327-2	156 589 00 61 00	Camshaft alignment tool
H.C.B-C1327-3	156 589 00 32 00	Locating plate
H.C.B-C1327-4	156 589 01 63 00	Compressing tool

H.C.B-A1420 BENZ (M137/M275/M285) TIMING TOOL KIT

BENZ (M137/M275/M285) 正時工具組

- This master tool kit is designed for positioning the camshaft in 30 degree TDC position.
- Application:
  M275, M285: The set C only used for left bank of cylinder and A&B used for right bank.
  M137: Use the set A&B to loosen and tighten mounting screws for the camshaft sprocket and adjusting the timing.





H.C.B-A1516 BENZ (M157/M276/M278) TIMING TOOL KIT

BENZ (M157/M276/M278) 正時工具組

- Special design to align the camshaft timing angle for correct position.
- Application: BENZ M157, M276, M278 engine
- **BENZ OEM no. ref.:** 276 589 01 40 00





H.C.B-D1159 BENZ (M271) ALIGNMENT TOOL KIT

BENZ (M271) 正時工具組







- Application:
  Mercedes - BENZ:
  CLK 200K (W209), C180K, C200K, C230K (W203),
  C-Coupe C160K, C180K, C200K, C230K, E200K (W211),
  SLK 200K (R171), C180K (W204), CLC180K, CLC200K,
  C180CGI, C200CGI, C250CGI (W204), E200CGI,
  E250CGI (W212, C207)
  Engine: 1.6/1.8
  Engine code:All BENZ (M271)

Code no.	Parts no.	OEM no.	Description
1	A1159-1	271 589 00 61 00	For drawing in the timing chain, and retaining timing chain with camshaft sprockets in proper timing position.
2	A1159-2	271 589 00 61 00	To position the camshafts in the installed position.
3	B1159-1	271 589 00 15 00	To install the plug into the timing case cover (Access to chain tensioner).
4	B1159-2	271 589 00 31 00	For unloading the timing chain tensioning device.
5	A1436	271 589 00 10 00	For removing crankshaft front gear wheel and releasing the timing chain
6	D1159-6		To position the camshafts in the installed position (FACELIFT)
7	A1022-A		To fix the camshaft
8			Blow Mould Case

H.C.B-C1159 BENZ (M271) ALIGNMENT TOOL KIT

BENZ (M271) 正時工具組

4 / 15.5 / 16.5 / 3.6'





- This kit includes H.C.B-A1159-1, H.C.B-A1159-2, H.C.B-B1159-1, H.C.B-B1159-2, H.C.B-A1436.
- Genuine Stock Numbers:
  H.C.B-A1159-1 Genuine stock No. 271 589 01 40 00
  H.C.B-A1159-2 Genuine stock No. 271 589 00 61 00
  H.C.B-B1159-1 Genuine stock No. 271 589 00 15 00
  H.C.B-B1159-2 Genuine stock No. 271 589 00 31 00
  H.C.B-A1436 Genuine stock No. 271 589 00 10 00 09
- Use to set up and cam timing during chain replacement.
- Application: BENZ (M271)
- **BENZ OEM no. ref.:** 271 589 01 40 00, 271 589 00 61 00

H.C.B-A1436 BENZ (M271) CAMSHAFT FRONT GEAR WHEEL SOCKET (T100)

BENZ (M271) 凸輪軸前皮帶齒輪套筒 (T100)

- This socket is used for removing camshaft front gear wheel.
- Application: BENZ M271
- Genuine No.: 271 589 0010 0009/11CW



H.C.B-A1022-J BENZ CAMSHAFT HOLDING TOOL (35 mm)

BENZ 凸輪軸支擋扳手 (35 mm)

- Application: BENZ

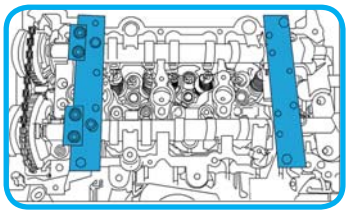


H.C.B-C1524 BENZ (M133/M270/M274) TIMING TOOL KIT

BENZ (M133/M270/M274) 正時工具組

- Special design to position the camshafts in TDC position.
- This holding device can hold and fix the camshaft.
- This tool kit can slacken and tighten the bolts attaching to the camshaft gears.
- Should be combine with H.C.B-A1022-J
- **BENZ OEM ref.:** 270 589 01 61 00/
  270 589 00 61 00

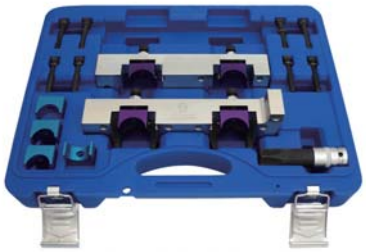
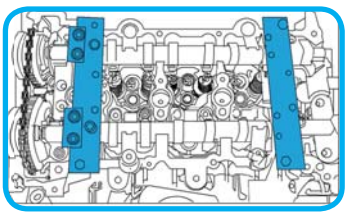




H.C.B-B1524 BENZ (M133/M270/M274) TIMING TOOL KIT

BENZ (M133/M270/M274) 正時工具組

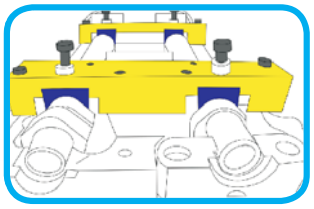
- Special design to position the camshafts in TDC position.
- This holding device can hold and fix the camshaft.
- This tool kit can slacken and tighten the bolts attaching to the camshaft gears.
- Should be combine with H.C.B-A1022-J
- **BENZ OEM ref.:** 270 589 01 61 00

H.C.B-A1524 BENZ (M133/M270) TIMING TOOL KIT

BENZ (M133/M270) 正時工具組

- This holding device can hold and fix the camshaft.
- This tool kit can slacken and tighten the bolts attaching to the camshaft gears.
- Should be combine with H.C.B-A1022-J
- **BENZ OEM no. ref.:** 270 589 00 61 00

H.C.B-A1926 NEW BENZ (M651) DIESEL ENGINE TIMING TOOL KIT

BENZ (M651) 柴油引擎正時工具組

- Designed for aligning the camshaft, loosen and insert the sprocket, and rotating the crankshaft.
- Helps prevent skipping of the chain during installation. If skipping does occur engine timing will need to be reset.
- Application: BENZ M651/ Models: 204 / 639 / 906.
- **BENZ OEM no.ref.:** 60831800, 60831830, 60831820, 60831810



H.C.B-A1874 NEW BENZ ENGINE TIMING TOOL KIT (OM651 NEW)

BENZ 引擎正時工具組 (OM651 新款)

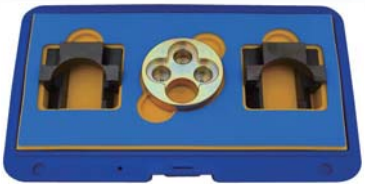
- The retaining device can position the camshafts in the installed position, also for turning, installing, and removing the crankshaft pulley.
- **BENZ OEM no. ref.:** 651 589 09 40 00
  651 589 07 40 00



H.C.B-A1546 BENZ DIESEL ENGINE TIMING TOOL KIT (OM651)

BENZ 柴油引擎正時工具組 (OM651)

- The retaining device can to position the camshafts in the installed position, also for turning, installing, and removing the crankshaft pulley.
- Application: BENZ OM651 engine (after 2007)
- **BENZ OEM no. ref.:** 651589014000, 651589004000





H.C.B-B1546 BENZ ENGINE TIMING TOOL KIT (OM651) (2.0D / 2.2D / 2.5D)

BENZ 柴油引擎正時工具組 (OM651) (2.0D / 2.2D / 2.5D)

- Application: BENZ OM 651 VOLUME 2.0D/ 2.0D /2.2D /2.5D Some models of cars: Mercedes Benz GLK (W204), Mercedes Benz CLA 200 CDI, Mercedes Benz CLA 220 CDI, Mercedes Benz A Class W176, Mercedes-Benz Sprinter 316CDI OM651 etc.
- **BENZ OEM no. ref.:** 651 589 01 40 00
  651 589 00 40 00
  651 589 02 40 00





H.C.B-C1546 BENZ ENGINE TIMING TOOL KIT (OM651) (1.8/2.0D / 2.2D / 2.5D)

BENZ 引擎正時工具組 (OM651) (1.8/2.0D / 2.2D / 2.5D)

- The retaining device can position the camshafts in the installed position, also for turning, installing, and removing the crankshaft pulley.
- Application: BENZ OM 651 VOLUME 2.0D / 2.2D / 2.5D
- Some models of cars: Mercedes Benz GLK (W204), Mercedes Benz CLA 200 CDI, Mercedes Benz CLA 220 CDI, Mercedes Benz A Class W176, Mercedes-Benz Sprinter 316CDI OM651 etc.
- **BENZ OEM no. ref.:** 651 589 01 40 00, 651 589 00 40 00
  651 589 02 40 00, 651 589 02 63 00



H.C.B-A1640 BENZ (OM651) SWITCHING VALVE SOCKET (Dr. 1/2", 43.5 mm, 6 POINTS)

BENZ(OM651) 機油洩壓閥套筒 (Dr. 1/2", 43.5 mm, 6 角)

- This tool is designed for the removal/ installation of switching valve
- Switching valve's parts no. : 651 180 01 15





SWITCHING VALVE
#MA651 180 01 15



H.C.B-A1330 BENZ TIMING LOCKING TOOL KIT

BENZ 正時固定工具組 (固定飛輪用)

- Used to lock cams and flywheel on a range of Mercedes BENZ models.
- Suitable for a wide range of Benz, including both petrol and diesel engines.





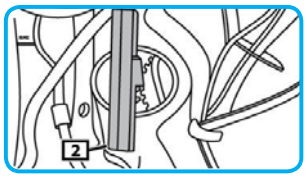




H.C.B-A1856 NEW BENZ (M133/ M270/ M607/ M651) FLYWHEEL LOCKING TOOL

BENZ (M133/ M270/ M607/ M651) 飛輪固定工具

- Used to fix the flywheel gear to remove & install crankshaft pulley center bolt.
- Application: M133/M270/M607/M651
- **BENZ OEM no. ref.:**270 589 00 40 00





H.C.B-B1856 NEW BENZ (M133/M270/M274) LOCKING TOOL

BENZ (M133/M270/M274) 固定工具

- Application: M133/M270/M274
- **BENZ OEM no. ref.:** 270 589 03 40 00

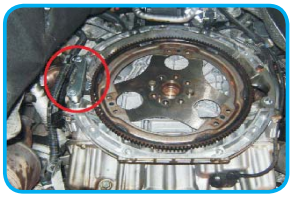


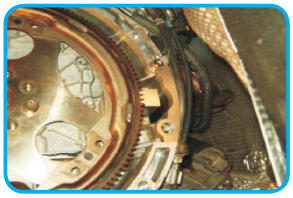
H.C.B-A1291 BENZ FLYWHEEL RETAINING LOCK TOOL

BENZ 飛輪固定工具

- To lock crankshaft on starter ring gear (mount in starter hole) for vehicles with left and right-hand steering.
- Application: BENZ Engine M112, 113, 137, 155, 156, 272/979, 273, 629, 642/992
- N.W. :0.43 KG
- **BENZ OEM no. ref.:** 112 589 03 40 00







H.C.B-A1305 BENZ (M102/M103/M104/M111/M601/M602/M603/M605/M606/M611/M612/M613) FLYWHEEL LOCKING TOOL

BENZ (M102/M103/M104/M111/M601/M602/M603/M605/M606/M611/M612/M613) 飛輪支擋器

- Application: BENZ (M102/M103/M104/M111/M601/M602/M603/M605/M606/M611/M612/M613)
- Size of bolts: M6 x P1.0 x 90 mm
- Locks flywheel at starter ring gear under the transmission.
- N.W.: 0.2003 KG
- **BENZ OEM no. ref.:** 601 589 02 40 00







H.C.B-A1334 BENZ CAMSHAFT LOCKING PIN

BENZ 凸輪軸固定銷

- Every pairs of pin connected with a chain. The main function is to fix the camshaft in the installed site.
- Application: BENZ engine model M111.119,604, 605, 606, 611/980, 612, 613, 628, 629, 640, 642/922, 612.965/966, 646, 647, 648 / B180
- **BENZ OEM no. ref.:** 111 589 03 15 00





H.C.B-A2008 COOLING SYSTEM TESTER (14 PCS)

水箱壓力測漏組 (14 PCS)

5 / 19.2 / 20.5 / 3.83'







H.C.B-A2008-14

ACCESSORY FOR METROSTAR

福特天王星專用配件



H.C.B-A2008-15

ACCESSORY FOR MAZDA

MAZDA 專用配件



H.C.B-A2008-16

ACCESSORY FOR BENZ (A-CLASS)

BENZ (A-CLASS) 水箱蓋



H.C.B-A2008-16T

ACCESSORY FOR TOYOTA (DIESEL)

TOYOTA 專用配件 (柴油車)



H.C.B-A2008-17

ACCESSORY FOR BMW (E60/E63/E64/ E65) (5 SERIES)

BMW 5 系列水箱蓋 (E60/E63/E64/E65)



H.C.B-A2008-18

ACCESSORY FOR VW (SHARAN 1.8T 2.8)

VW (SHARAN 1.8T 2.8) 水箱蓋



H.C.B-A2008-19

ADAPTOR FOR BENZ SPRINTER

BENZ SPRINTER 水箱蓋





■ Application: NISSAN, MITSUBISHI, MAZDA, SUBARU, TOYOTA, HONDA, FORD GM, CHRYSLER, VW, AUDI, VOLVO, SAAB, MERCEDES-BENZ, BMW, RENAULT, FIAT, ALFA ROMEO, INFINITI, GEO, SUZUKI, ISUZU, LEXUS, OPEL, PEUGEOT, JEEP, ROVER, CITROEN and trucks

Description / Specification

0: Thermometer
1: Pressure Testing Pump With Gauge NO.2~3 are Test Adapters
2: Large Truck, GM (CADILLAC)
3: BENZ, FORD, Large Truck, Vehicle 123 series, GM BUICK , JEEP
4: PEUGEOT，Vehicle 124 series (MITSUBISHI, NISSAN, MAZDA, TOYOTA, SUBARU, INFINITI, GEO, SUZUKI, ISUZU, MITSUBISHI)
5: Vehicle 125 series (HONDA, TOYOTA, SUZUKI, MITSUBISHI)
6: OPEL, VW, FORD, BMW245, SAAB, JAGUAR
7: VOLVO, SAAB, AUDI, CITROEN, RENAULT, FLAT, PEUGEOT, ALFA, JEEP
8: New VW
9: VW T4, new AUDI A4, A5, A6, BMW345
10: BMW
11: AUDI, VW
12: FORD, INTERNATIONAL, GM, ROVER
13: BENZ
14: METROSTAR (optional)
15: MAZDA (optional)
16T: TOYOTA (diesel)(optional)
16: BENZ (A-class) (optional)
17: BMW (E60/E63/E64/E65) (optional)
18: VW (SHARAN 1.8T 2.8T) (optional)
19: BENZ(Sprinter)(optional)

H.C.B-A1255 13 PCS Dr. 1/2" ALTERNATOR INSERT BIT SOCKET KIT

發電機皮帶盤拆裝套筒組 (13 PCS)

12 / 15.6 / 16.5 / 0.82'

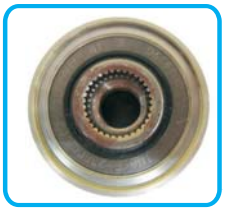


Applications :

- M10 x 110 mm BMW, Ford, GM, Mercedes, Porsche, Renault, VAG.
- T50 x 110 mm Mercedes A Class, Renault DCi.
- M10 x 64 mm BMW, Ford, GM, Mercedes, Porsche, Renault, VAG Without the need to remove the radiator.
- T50 x 64 mm Mercedes A Class, Renault DCi Without the need to remove the radiator.
- M10 x 110 mm with 28 mm Hex Cap for Renault.
- M10 x 64 mm with 28 mm Hex Cap for Renault Without the need to remove the radiator.

Item no	Specifications
1	SPLINE BIT:M8X75MM(L)
2	SPLINE BIT:M10X75MM(L)
3	TX-STAR BIT:T40X75MM(L)
4	TX-STAR BIT:T50X75MM(L)
5	HEXAGON BIT:8MMX75MM(L)
6	HEXAGON BIT:10MMX75MM(L)
7	TX-STAR BIT SOCKET WITH 33T NUT:T50X110MM(L)
8	SPLINE BIT SOCKET WITH 33T NUT:M10X110MM(L)
9	33TEETHX17MM HEX.ALTERNAOR NUT
10	33TEETHX22MM HEX.ALTERNAOR NUT
11	22MM HEX.AITERNATOR NUT
12	4POINTS AITERNATOR NUTX17MM HEX
13	1/2" SPUARE DRIVEX10MM HEX. BIT HOLDER





M10 for VW T5





H.C.B-B1255 22 PCS Dr. 1/2" ALTERNATOR INSERT BIT SOCKET KIT

發電機皮帶盤拆裝套筒組 (22 PCS)

- Easy removal of freewheel pulley from altemator either on or off the vehicle.
- Allows alternator shaft to be held whlie the pulley retainer is removed.

10 / 22 / 23 / 1.2'





Item no	Specifications
1	1-M10 Spline Bit Socket with 33T Nut: 110 mm (L)
2	1-M10 Spline Bit Socket with 31T Nut: 98 mm (L)
3	1-M10 Spline Bit by 12 mm Hex. Drive Tip:57 mm (L)
4	1-M10 Spline Bit Socket: 110mm (L)
5	1-T50 Tx-Star Bit Soket WITH 33t Nut: 110mm (L)
6	1-75mm (L.), Spline: M8
7	1-75mm (L.), Spline: M10
8	1-75mm (L.), Tx-Star: T40
9	1-75mm (L.), Tx-Star: T50
10	1-75mm (L.), Hexagon: 8mm
11	1-75mm (L.), Hexagon: 10mm
12	1-33 Teeth Alternator Nut with 15mm Hex. Tip
13	1-33 Teeth Alternator Nut with 17mm Hex. Tip
14	1-31 Teeth x 12 mm Hex-Alternator Nut
15	1-17mm Hexagon Alternator Nut
16	1-22mm Hexagon Alternator Nut
17	1-28mmx 22 mm Hexagon Alternator Nut
18	1-28mmx 21 mm Hexagon Alternator Nut
19	1-28mmx 19 mm Hexagon Alternator Nut
20	1-4 Points Alternator Nut with 17mm Hex. Tip
21	1-3 Points Alternator Nut with 38mm Hex. Tip
22	1-1/2" Square Drive X 10mm Hex.Bit Adapter

H.C.B-D1255 30 PCS Dr. 1/2" ALTERNATOR INSERT BIT SOCKET KIT

發電機皮帶盤拆裝套筒組 (30 PCS)

8 / 21.7 / 22.7 / 1.5'

- Easy removal of freewheel pulley from alternator either on or off the vehicle.
- Allow alternator shaft to be held while the pulley retainer is removed.





Item no	SPECIFICATIONS
1	1-M10 Spline Bit Socket : 120mm(L.)
2	1-M10 Spline Bit Socket : 140mm(L.)
3	1-M10 Spline Bit, 14mm Hex. Drive : 57mm(L.)
4	1-3/8" Dr. M10 Spline Bit Socket with 31T Nut : 90mm(L.)
5	1-8mm Hexagon Bit Socket : 120mm(L.)
6	1-T50 TX-Star Bit Socket : 120mm(L.)
7	1-75mm(L.) Spline Bit : M8
8	1-75mm(L.) Spline Bit : M10
9	1-75mm(L.) TX-Star Bit : T40
10	1-75mm(L.) TX-Star Bit : T50
11	1-75mm(L.) Hexagon Bit : 8mm
12	1-75mm(L.) Hexagon Bit : 10mm
13	1-10mm Hex. Drive x H10 Bit : 50mm(L.)
14	1-10mm Hex. Drive x H10 Bit : 70mm(L.)
15	1-33Teeth Alternator Nut - 15mm Hex. Tip (L.)
16	1-33Teeth Alternator Nut - 15mm Hex. Tip (S.)
17	1-33Teeth Alternator Nut - 17mm Hex. Tip
18	1-33Teeth Alternator Nut - 22mm Hex. Tip
19	1-17mm Hexagon Alternator Nut - inner size : 14mm
20	1-1/4" Dr. 10mm Hex. Socket
21	1-17mm Hexagon Alternator Nut
22	1-22mm Hexagon Alternator Nut
23	1-28mm x 22mm Hexagon Alternator Nut
24	1-28mm x 21mm Hexagon Alternator Nut
25	1-28mm x 19mm Hexagon Alternator Nut
26	1-17mm x 19mm Hexagon Alternator Nut
27	1-17mm x 21mm Hexagon Alternator Nut
28	1-4 Poins Alternator Nut with 17mm Hex. Tip
29	1-3 Poins Alternator Nut with 38mm Hex. Tip
30	1-1/2" Dr. x 10mm Hex. Bit Holder

H.C.B-A2251 40 PCS Dr. 1/2", SPECIAL INSERT BIT SOCKET KIT

發電機皮帶盤拆裝套筒組 (40 PCS, Dr. 1/2")

4 / 24 / 25 / 1.25'

- 1-M10 Spline Altemator Combination Bit Socket
- 1-T50 Tx-Star Altemator Combination Bit Sacket
- 4-Ribe: 100 mm(L)-M9 140 mm(L)-M10 240 mm(L)-M7,M8
- 7-Tamper Spline: 55 mm(L)-M16
  78 mm(L)-M18 Impact Socket
  100 mm(L)-M9,M16
  140 mm(L)-M10,M12,M14
- 8-Tx-Star: 100mm(L)-Tamper.T80
  140mm(L)-T40,T45,T50,T55,T60,T70
  300 mm(L)-T30
- 9-Hexagon: 55 mm(L)-14,17,19 mm
  65 mm(L)-22,24 mm
  140 mm(L)-10,11,13 mm
  240 mm(L)-7 mm,
  1-240 mm(L), Ballpoint-5 mm
- 9-1/4"Drive Tx-plus Bit socket:
  T10,T15,T20,T25,T27,T30,T40,T45,T50



H.C.B-B1382 NEW BENZ (M270) IDLER WRENCH (T55)

BENZ (M270) 惰輪扳手 (T55)

- Specially designed to adjust the tension idler
- Application: BENZ M270







H.C.B-A2186 BENZ ENGINE MOUNT WRENCH (16 mm) PAT.M365815

BENZ 引擎腳扳手 (16 mm)

H.C.B-B2186 BENZ ENGINE MOUNT WRENCH (16 mm)

BENZ 引擎腳扳手 (16 mm)

- Special angle designed for removing the nuts from BENZ engine mount.
- Easy to use with multiple angles. Operators can use it in many angles instead of four directions.
- Size: 16 mm/ 12 PT
- Applicable: BENZ W204,140,170,126,201, 202,210,203,211,221,220 (New Car)



〈H.C.B-A2186〉



〈H.C.B-B2186〉



H.C.B-A2187 BENZ ENGINE MOUNT WRENCH (17 mm) PAT.M365815

BENZ 引擎腳扳手 (17 mm)

H.C.B-B2187 BENZ ENGINE MOUNT WRENCH (17 mm)

BENZ 引擎腳扳手 (17 mm)

- Special angel designed to remove the nuts from BENZ engine mount.
- Operators can use them in many angles instead of four directions.
- Size: 17 mm/ 12 PT
- Applicable: BENZ W204,140,170,126,201, 202,210,203,211,221,220 (New Car)



〈H.C.B-A2187〉 Multiple Angles



〈H.C.B-B2187〉



H.C.B-A2161 Dr. 1/2" x T50 STAR ALTERNATOR PULLEY REMOVER

發電機皮帶盤拆裝器

- Ideal tool for assembling and dismantling the freewheel pulley whilst changing the alternator or pulley on bosch alternators.
- Application: AUDI, BMW FORD, MERCEDES-BENZ, SKODA, VW
- N.W. : 0.18KG





H.C.B-A1289 BENZ C32 (M111) W203 PULLEY RIVET INSTALLER

BENZ C32 (M111) W203 機械增壓皮帶盤鉚釘座

- The main body of pulley and rivets would have clearances because rotational speeds after a period of time. It causes the pulley noisily. If changing rivets, they will have clearances with pulley no more.
- Application: BENZ W203
- N.W.: 1.81 KGS







H.C.B-D1293 BENZ TIMING CHAINS RIVETING TOOL KIT-SINGLE ROW AND DOUBLE ROW

BENZ 鉚釘鏈條正時工具組 - 單排及雙排

- For timing chains on Mercedes petrol and diesel engines.
- The separating tool and the riveting tool allow quick, easy and safe splitting and re-connection of the timing-chains - Simplex and Duplex - as well as the double-roller to be found on new Mercedes diesels from 9/95 onwards. On such chains, the timing chain pin is peened.
- Advantages:
  Clean splitting of the old timing chain.
  Correct and safe assembly of the replacement timing-chain.
  Exact riveting of the new timing chain.
- Application: BENZ Model OM 601, 602, 603, 615, 616, 617, M102, 103, 116, 272, 274 and SAAB, BMW N47



H.C.B-A1720 BENZ (M166) FLYWHEEL LOCKING TOOL

BENZ (M166) 飛輪固定工具

- Used to fix the flywheel gear to remove & install crankshaft pulley centre bolt.
- Application:
  A Class W169 (M166)
  B Class W245 (M266, OM640)
- **BENZ OEM no. ref.:** 166 589 00 40 00



H.C.B-A1954 NEW BENZ FLYWHEEL LOCKING TOOL (OM111/271/601/602/603/604/605/606/611/612/613/646/647/648)

BENZ 飛輪固定工具 (OM111/271/601/602/603/604/605/606/611/612/613/646/647/648)

- Used to lock cams and flywheel.
- Application: Mercedes with engine OM111, OM271, OM601, OM602, OM603, OM604, OM605, OM606, OM611, OM612, OM613, OM646, OM647, OM648
- **BENZ OEM no. ref.:** BENZ :602 589 00 4000/Chrysler: 8929



H.C.B-A2323 DIESEL INJECTOR PULLER

柴油噴油嘴拔卸器

- This tool is designed for removal of Bosch, Delphi, Denso and Siemens injectors
- Feature a flexible u-joint adaptor for access in restricted areas
- Contain:
  6 x Injector adaptors:
  M14 x 1.5, M16 x 1.0, M17 x 1.0,
  M20 x 1.0, M25 x 1.0, M27 x 1.0
  4 x Injector Solenoid removers: M25, M27, M29, M30
  2 x Nozzle Extractors: 6 mm Tamperproof: 10 mm hex – 7mm Tamperproof: 10 mm hex
- Injector Adaptors:
  A2323-01 - M14 x 1.5 (for BMW M47, BENZ W211 CDI)
  A2323-02 - M16 x 1.0 (for TOYOTA 2.2)
  A2323-03 - M17 x 1.0 (for MB BOSCH)
  A2323-04 - M20 x 1.0 (for DENSO)
  A2323-05 - M25 x 1.0 (for SIEMENS)
  A2323-06 - M27 x 1.0 (for SIEMENS)



H.C.B-B2323 INJECTOR REMOVAL FORKS & ADAPTER KIT

噴油嘴拆卸鉤子 & 配件組

- Adaptors to attach to the external thread of the injectors.
  Forks to attach to the body of the injector.
  Sockets to allow the injector to be pulled from different locations.
  Hook sizes: 12, 13.5, 16 and 26 mm
- Application: Citroen C5 / Jumpy / Xsara, Fiat Ducato JTD, Peugeot 206 / 307 / 406 / Boxer (2.0 / 2.2 / 2.3 HDI), Mercedes-Benz CDI (exc. A-Class (Sprinter / Vito), Opel Renault F9Q



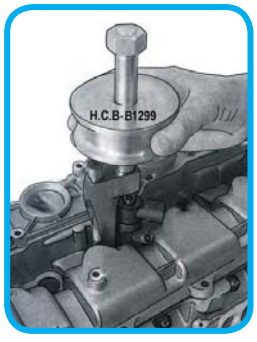
H.C.B-B1299 BENZ CDI-ENGINES COMMON RAIL INJECTOR PULLER KIT (SLIDE HAMMER STYLE)

BENZ 柴油引擎噴油嘴拉拔器 (滑鎚式)

- For removing stubborn injectors on Mercedes BENZ CDI engines and adapted tight common rail injectors without having to disassemble cylinder head.
- The puller is additionally supported by the steel ball on the valve cover, which prevents the puller from tipping during the removal process.
- Application: Mercedes CDI engines 611,612,613,646,647,648 etc diesel engines
- Specification：



ITEM NO.	Description	Specification
1	Puller	M16 x P1.5
2	Hammer	ϕ 79 x 50L
3	Slide hammer bolt	M16 x P1.5 x 198L
4	Nut	M16 x P1.5 x 12.5L
5	Extraction nut	M27 x P1.0(BOSCH)
6	Blow mold case	
7	Connector	M16 x P1.5,M14 XP1.5
8	Extraction adaptor	H19 M12 x P1.75
9	Extraction adaptor	H19 M17 x P1.0
10	Extraction adaptor	M22 x P1.5,M22 x P1.0
11	Universal adaptor	M14 x P1.5,M10 x P1.5



H.C.B-A1299 BENZ INJECTOR NOZZLE PULLER (SLIDE HAMMER STYLE)

BENZ 噴油嘴拔取器 (滑鎚式)

10 / 26.7 / 28 / 1.67'

- For removing stubborn injectors on Mercedes BENZ CDI engines and adapted tight common rail injectors without the necessity of disassembling cylinder head.
- The puller is additionally supported by the steel ball on the valve cover, which prevents the puller from tipping during the removal process.
- Application: Mercedes CDI engines OM 611.612.613





H.C.B-A1589 BENZ (M271) INJECTOR NOZZLE REMOVER

BENZ(M271) 噴油嘴拆卸器

- This tool is designed for removing the injector by slide hammer or the T bar.
- Application: BENZ M271 engine after 2007
- **BENZ OEM no. ref.:** 271 589 02 33 00



H.C.B-B1589 BENZ (M271) INJECTOR NOZZLE REMOVER (W/SLIDE HAMMER)

BENZ(M271) 噴油嘴拆卸器 (滑鎚式)

- This tool is designed for removing the injector.
- Application: BENZ M271 engine after 2007
- **BENZ OEM no. ref.:** 271 589 02 33 00



H.C.B-A1598 BENZ (M278) INJECTOR NOZZLE REMOVER

BENZ (M278) 噴油嘴拔卸器

- This tool is designed for removing the injector by slide hammer or the T bar.
- Application: BENZ M133, M152, M157, M270, M274, M276, M278 engines.
- Engines: 133,152,157,270,274,276,278
- **BENZ OEM no. ref.:** 278 589 00 33 00



H.C.B-B1598 BENZ (M278) INJECTOR NOZZLE INSTALLER

BENZ (M278) 噴油嘴安裝器

- Fuel injectors must be installed immediately after calibration of the sealing rings.
- Clean base surface for sealing ring on fuel injector
- Application: BENZ M278 engine.
- Engines: 133,152,157,270,274,276,278
- **BENZ OEM no. ref.:** 272 589 00 43 00
- Material: Stainless-steel



H.C.B-A2275 4 PCS INJECTOR NOZZLE PULLER KIT

4 PCS 噴油嘴拉拔器



- Injection nozzle puller tool for removing damaged Diesel injector Screw off the nozzle head, Screw in the puller spindle, Insert the support ring, Push the support sleeve over the spindle and screw on the collar nut then pull out the nozzle by turning the collar nut.
- Support sleeve, Pull spindle, Shoulder nut M16×1.5, Support ring,Special bit insert 10 mm hex, Axial bearing, Circlip, Special socket insert 29mm hex are included in this kit.
- With 29 mm diesel injector window socket screw off the nozzle head of the injector.
- Using special 10mm Hex extractor key remove the insert from the injector.
- Place the support shaft bearing assembly over the injector ensuring the wide shoulders of the shaft support the tool.
- With a 10mm spanner or socket screw the shaft down into the injector.
- With a 24mm spanner or socket and an anti-clockwise motion draw the injector out of the cylinder head.
- Application:
  Mercedes Benz sprinter 2.7 / ML270/ E-CLASS/108 CDi/Vito 110 CDi 16v Vito 112 16Vvc200 CDi 16v/ C220 CDi 16v/ E200 CDi 16v

H.C.B-A1303 BENZ A/C LOW SIDE COUPLER REMOVER

BENZ 冷氣低壓接頭拆卸器

- Application: BENZ W221 / W211 / W204 / W219
- Special designed for removing the A/C low side coupler.
- **BENZ OEM no. ref.:** 211 589 00 63 00





H.C.B-A1613 BENZ (M642) TIMING TOOL KIT

BENZ (M642) 正時工具組

- Special designed to align the camshaft timing angle for correct position.
- Application : BENZ M642 engine.
- **BENZ OEM no. ref.:** 642 589 00 31 00

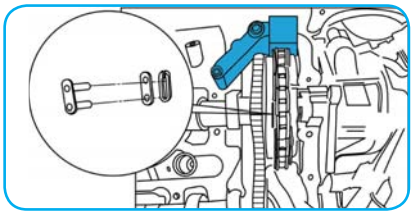


H.C.B-B1613 NEW BENZ (OM642) TIMING CHAIN RETAINING TOOL

BENZ (OM642) 正時鏈條固定工具

- For keeping timing chain and camshaft sprocket engaged.
- **BENZ OEM no. ref.:** 642 589 01 40 00





H.C.B-C1613 NEW BENZ (OM642) HOLD DOWN TOOL

BENZ (OM642) 正時工具



- M642 in TYP 207, 212, 218 with CODE 927 It requires H.C.B-A1613 + H.C.B-B1613
- For engine 642 in TYPE 204, 207, 212, 218 except for CODE 927 It requires H.C.B-A1613 + H.C.B-B1613 + H.C.B-C1613
- Application:
  C-Class W203 / S203 Year 2000-2007, W204 / S204 Year 2007 -
  CLK C209 / A209 Year 2002-2010
  CLS C218 / C219 Year2004 –
  E-Class W211 / S211 Year 2002-2009, W212 / S212 Year 2009 -,
  C207 / A207 Year 2009 –
  S-Class W221 / W222 Year 2005 - M-Class W164 / W166 Year2005 -
  R-Class W251 / V251 Year 2006 - G-Class W461 / W463 Year1990 -
  GL-Class X164 / X166 Year 2006 - Viano W639 Year2003 - Sprinter 906 Year2006 -
- **BENZ OEM no. ref.:** 642 589 04 40 00

H.C.B-M642 NEW BENZ (OM642) TIMING TOOL KIT

BENZ (OM642) 正時工具組



- This kit is designed to align the camshaft timing angle to correct position. Retaining tool for mounting the timing chain to the camshaft sprocket.
- To lock crankshaft on starter ring gear (mount in starter hole) for vehicles with left and right-hand steering.
- Every pairs of pin connected with a chain. The main function is to fix the camshaft in the installed site.
- Application : BENZ Engine 112, 113, 137, 155, 156, 272/ 979, 273, 629, 642/ 992

For the following vehicles:
C-Class W203 / S203 Year 2000-2007, W204 / S204 Year 2007 -
CLK C209 / A209 Year 2002-2010
CLS C218 / C219 Year 2004 –
E-Class W211 / S211 Year 2002-2009, W212 / S212 Year 2009 -, C207 / A207 Year 2009 –
S-Class W221 / W222 Year 2005 -
M-Class W164 / W166 Year 2005 -
R-Class W251 / V251 Year 2006 -
G-Class W461 / W463 Year 1990 -
GL-Class X164 / X166 Year 2006 -
Viano W639 Year 2003 -
Sprinter 906 Year 2006 -
M642 in TYP 207, 212, 218 with CODE 927



It requires H.C.B-A1613 + H.C.B-B1613

For engine 642 in TYPE 204, 207, 212, 218 except CODE 927



Part No.	Item No.	OEM No..ref.	Description
A	A1613	642 589 00 31 00	BENZ (OM642) timing tools set
B	B1613	642 589 01 40 00	BENZ (OM642) timing chain retaining tool
C	C1613	642 589 04 40 00	BENZ (OM642) hold down tool
D	A1334	111 589 03 15 00	BENZ camshaft locking pin
E	A1291	112 589 03 40 00	BENZ flywheel retaining lock tool

H.C.B-A1313 BENZ (W124) STEERING OIL SEAL EXTRACTION / INSTALLATION TOOL KIT

BENZ (W124) 方向機油封拆裝工具組





Fig. A

Genuine Stock
No.:124 461 04 05



Fig. B

- Put A1313-2 into central nut(M 48 x P 1.5).(Fig.A)
- Install A1313-1 outside of A1313-2, put ratchet wren ch to A1313-2 and fix central nut. Turn A1313-1 and loosen outer bolt nut(M 48 x P 1.5).(Fig. B)
- Take A1313-1 and A1313-2 off, remove outer and central nut. Then replace oil seal.

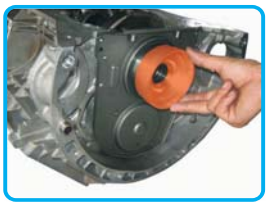
H.C.B-A1347 BENZ (M271/ M272) CRANKSHAFT REAR SEALING RING INSTALLER

BENZ (M271/ M272) 曲軸後油封安裝器

- The crankshaft redial sealing ring has both a lip and a protective lip.
- This tool is designed to prevent damage when assembling the cover to the crankshaft flange.
- Application: BENZ M271, M272
- Oil seal genuine stock :
  271 011 05 32
  272 010 06 14
  271 589 00 43 00









H.C.B-B1347 NEW BENZ (M276) CRANKSHAFT REAR SEALING RING INSTALLER

BENZ (M276) 曲軸後油封安裝器

- The crankshaft radial sealing ring has both a lip and a protective lip.
- This tool is designed to prevent damage when assembling the cover to the crankshaft flange.
- Application: BENZ M276
- Instructions:





M276 engine cover



Step 1



Step 2



Step 3



Step 4



Step 5



Step 6



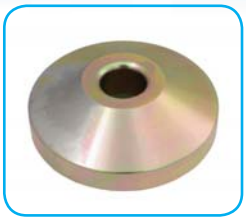
Step 7

H.C.B-A1899 NEW BENZ (M133/M270/M274) CRANKSHAFT FRONT OIL SEAL INSTALLER

BENZ (M133/M270/M274) 曲軸前油封安裝器

- Designed for installing the crankshaft front oil seal without damage,capable to locate and guide to its position.
- Applications:BENZ M133/M270/M274
- **BENZ OEM no. ref.:** 270 589 00 15 00





Back

H.C.B-B1899 NEW BENZ (M642) CRANKSHAFT FRONT OIL SEAL INSTALLER

BENZ (M642) 曲軸前油封安裝器

- Designed for installing the crankshaft front oil seal without damage, capable to locate and guide to its position.
- Application:BENZ M642
- **BENZ OEM no.ref.:** 642 589 00 14 00.





Back

H.C.B-A1504 BENZ POWER STEERING PUMP PULLEY

BENZ 動力方向盤拆裝工具組

- A disconnect tool to release the power steering line from pump.
- Application: BENZ (M271/ M272)







H.C.B-A1558 BENZ CRANKSHAFT RADIAL SEAL INSTALLER

BENZ 曲軸徑向密封環安裝工具

- For replacing front and rear crankshshaft radial sealing ring.
- Application: BENZ M102 /111/ 112/ 113/ 137/ 156/ 159/ 272/ 275/ 285/ 601/ 602/ 603/ 604/ 605/ 606/ 628/ 629
- **BENZ OEM no. ref.:** (Front) 119 589 01 14 00
  (Rear) 115 890 84 30 00



H.C.B-A1559 BENZ (OM651) CRANKSHAFT RADIAL SEAL INSTALLER

BENZ (OM651) 曲軸徑向密封環安裝工具

- For inserting front and rear radial shaft sealing ring of crankshaft.
- Application: BENZ OM651 engine
- **BENZ OEM no. ref.:** (Front) 651 589 00 61 00
  (Rear) 651 589 01 61 00

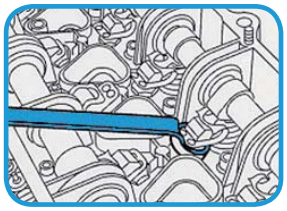




H.C.B-A1577 BENZ VALVE ADJUST WRENCH (17 mm)

BENZ 汽門調整扳手 (17 mm)





- Offset Wrench.
- Double open end wrench, offset 17mm.
- Used for adjusting valves without the necessity of remove the spring clips.
- Can also be used to pry off spark plug connectors on 112 and 113 engines.
- Applicable engines: 110.92/98/99, 112, 113
- **BENZ OEM no. ref.:** 110 589 01 01 00

H.C.B-A1599 BENZ REAR BUMPER SOCKET (10 mm, 120 mm, LONG SOCKET)

BENZ 後保險桿套筒 (10 mm, 120 mm, 長套筒)

- Special tool for the operation of the rear bumper screws, MERCEDES-BENZ type 204 (C-Class) station wagon and limousine, AUDI A3 since 2004, A4 since 2001, A6 since 2005, TT since 2007, BMW N55 cylinder head bolt.
- Note: Screw operation with threaded rod
- Tighten the screw with the torque value provided by the manufacturer
- Length: 120 mm



H.C.B-A1644 FUEL LINE CONNECTOR PLIERS

汽油管接頭拆卸鉗

- For removal and replacement of the connections on the in-line fuel filter.
- For the removal and replacement of connections when replacing the fuel filter on a wide variety of engines.
- Application: Mercedes Benz/ BMW/ Vauxhall/ Opel/ Volkswagen/ Audi/ Fiat
- **BENZ OEM no. ref.:** 163 589 00 37 00





H.C.B-A1702 BENZ DIESEL PRE-CHAMBER RETAINER RING SOCKET (Dr. 1/2" x 58 TEETH)

BENZ 柴油預燃塞擋圈套筒 (Dr. 1/2" x 58 齒)

- 1/2" Drive multi-spline socket d: Ø15 mm x 58 L mm
- Used for removing pre-chamber retainer ring on indirect injection diesel engines.
- Application: Mercedes diesel engines OM601/OM602/ OM602.9/OM603/OM604/OM605/OM606/OM617.95/ OM661/OM662.
- Spline with 28 mm outside diameter.
- **BENZ OEM no. ref.:** 604 589 01 09 00





H.C.B-A2314 CDI ENGINE GLOW PLUG TOOL

CDI 引擎預熱塞工具

- For unscrewing and disassembly of glow plugs in the cylinder head, especially for glow plugs that are stuck because of carbonization remains.
- Cylinder doesn't need to be removed any more.
- Fit all Mercedes Benz 10 mm glow plugs, engine codes 611, 612, 613… etc.



H.C.B-F1604 NEW BENZ OIL DRAIN PLUG

BENZ 油底殼卸油螺絲

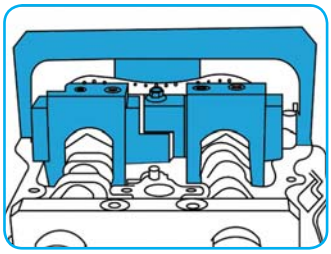


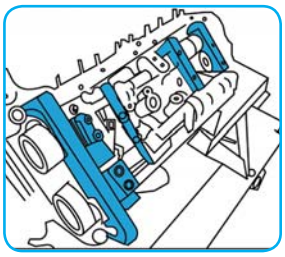
H.C.B-A1777 NEW BENZ (M177/M178) CAMSHAFT TIMING TOOL KIT

BENZ (M177/M178) 凸輪軸正時工具組

- Used for aligning the camshaft to TDC.
- Application: Mercedes-Benz AMG C63, C63S with biturbo 4.0L, petrol V8 engine, engine code: M177, M178 (After 2015)
- **BENZ OEM no. ref.:** 177 589 01 40 00, 177 589 00 15 00







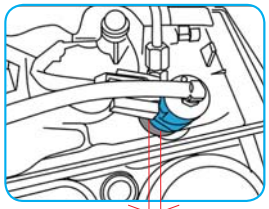
H.C.B-A1761 NEW BENZ CDI DIESEL INJECTOR PULLER

BENZ CDI 柴油噴油嘴拉拔器

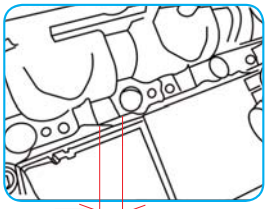
- The injector can be pulled out with a high power transmission by using the feed shaft and the supporting cylinder.
  The kit includes a special external hex nut (width across flat 29 mm) and a 1/2" square drive. It is opened on the side for facilitating dismantling the nozzle head from the injection nozzle, among others Bosch, for CDI engines and Mercedes OM 611, 612, 613.For further opening the nozzle there is a hex key socket with 10 mm internal hex, a bore of Ø 7.5 mm and a 1/2" square drive (alternatively 21 mm external hex).
- Application:
  Injection nozzle puller tool for removing damaged diesel injectors. A special window socket with an inside diameter of Ø 29 mm to help remove the injector from the cylinder head and a ball bearing insert for positioning the threaded shaft are included in this set.







This tool cannot be used on engines with this cam cover design(2.7 CDI/CRD)



Suitable for use on engines CDi (Class, E-Class and Sprinter)

H.C.B-A1875 NEW BENZ BELT TENSIONER WRENCH

BENZ 皮帶張緊器調整工具

- This wrench effectively compresses hydraulic belt tensioner (vehicles with air conditioning and/or stop-start function)
- An essential tool for releasing or clamping the damper.
- Applications:
  A-Class W169 2004-2012 (A150, A160, A170, A180, A200, A200T)
  B-Class W245 2005-2011 (B150, B160, B170, B180, B200, B200T)
- **BENZ OEM no. ref.:** W266 589 00 31 00

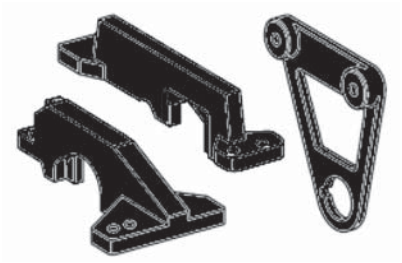




H.C.B-A1959 NEW BENZ M282 TIMING TOOL KIT

BENZ M282 正時工具組

- Application: BENZ 282
- **BENZ OEM no.ref.:** 282 589 00 23 00



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Specialty Tools Inc.

賓士變速箱修護工具

BENZ TRANSMISSION REPAIR TOOL







H.C.B-A1027-01-02-03-04-05 BENZ SLEEVE, ASSEMBLY DEVICE & ASSEMBLY FIXTURE

BENZ 變速箱拆裝工具組

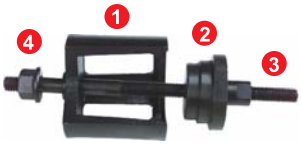
- Sleeve for installing reverse gear pistion in front cover. Assembly device for brake band piston B1
- Assembly fixture for circlip on spring retainer of clutch K1 and K2. For installing reverse gear piston
- Application:Transmission 722.3, 722.4 & 722.5

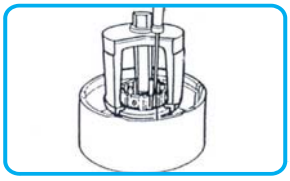


H.C.B-A1027-01 BENZ ASSEMBLY FIXTURE

BENZ 變速箱離合器鼓活塞彈簧拆裝工具組

- For criclip on spring retainer of clutch K1 and K2, B3.
- Application: Transmission 722.3, 722.4 & 722.5.
- N.W.: 1.35KGS.
- Genuine stock No. 201-1243



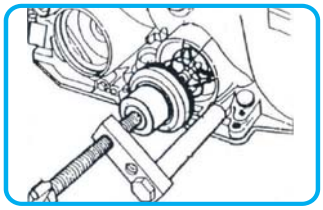


H.C.B-A1027-02 BENZ ASSEMBLY DEVICE

BENZ 變速箱制動帶活塞彈簧工具

- For brake band piston B1.
- Application: MERCEDES models 720.1, 722.0, 722.1, 722.3, 722.4 & 722.5.
- H.C.B-A1027-02-2 is used for Benz 722.4, H.C.B-A1027-02-1 is used for Benz 722.3.
- N.W.: 1.3 KGS.



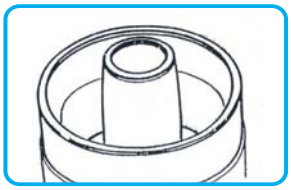


H.C.B-A1027-03 SLEEVE

變速箱橡膠圈拆卸工具組

- For installing reverse gear piston K1 and K2 into external disc carrier.
- Application: Transmission 722.3 & 722.5.
- N.W.: 0.5 KGS.
- Genuine stock No. 201-2014.





H.C.B-A1027-04 SLEEVE

油封導管

- For installing reverse gear piston.
- Application: Transmission 722.3 & 722.5.
- N.W.: 0.52KGS.
- Genuine stock No. 126-0414





H.C.B-A1027-05 SLEEVE

油封導管

- Installing reverse gear piston in front cover.
- Application: Transmission 722.4.
- N.W.: 0.57KGS.
- Genuine stock No. 126-0414.

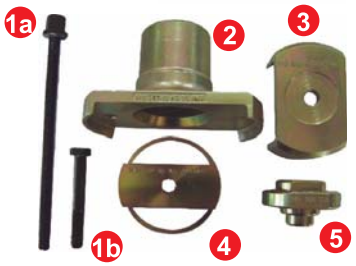




H.C.B-A1029 BENZ 722.6 & 722.9 SLEEVE, ASSEMBLY DEVICE & ASSEMBLY FIXTURE

BENZ 722.6 & 722.9 變速箱拆裝工具組

5 / 20.6 / 21.5 / 1.59'

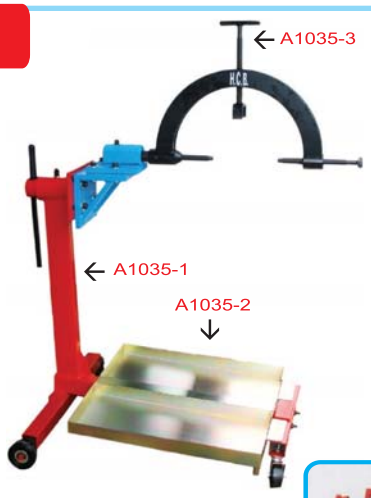




- Genuine stock No.: 140 589 13 43 00.
- Sleeve for installing reverse gear piston in front cover.
- Assembly fixture for circlip on spring retainer of clutch K1 and K2.
- Application: transmission 722.6, 722.9
- Assembly tool: B1/2, K1/2 to compress clutch packs and allow installation of retaining ring (722.6).

H.C.B-A1035 GEARBOX K/D RACK (REAR)

多功能變速箱拆裝架



H.C.B-A1035-1 ENGINE SUPPORTER

引擎支架

- For hanging up engine and making it steady.

H.C.B-A1035-2 SLOP OIL PAN

廢油盤

- For collecting the slop engine oil.

H.C.B-A1035-3 REAR-WHEEL DRIVE TRANSMISSION HOLDER KIT TW PAT. USA PAT. 7093809

後送變速箱拆裝架

- Rotating head enables engine to be placed in desired working positions.



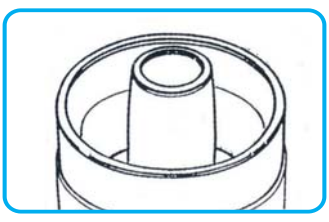


H.C.B-A1037 BENZ ASSEMBLY SLEEVE

BENZ 自動變速箱內部導向套管特殊工具組

NO.	MATERIAL NUMBER	SPECIFICATION
1	126 589 043100	TRANSMISSION MEASURE TOOL (RULER TYPE)
2	129 589 062300	TRANSMISSION MEASURE TOOL (PLATE)
3	126 589 101400	PISTON OIL SEAL INSTALLER
4	201 589 011400	K1 CLUTCH
5	126 589 031400	TRANSMISSION O RING SLEEVE





- Transmission seal assembly sleeve.
- N.W.: 5.5 KGS G.W.: 5.8 KGS

H.C.B-A1064 BENZ 722.3 & 722.5 SOCKET TOOL FOR PLUNGER

BENZ 722.3 & 722.5 活塞外導向套筒

- For extracting the plungers.
- N.W.: 1.03 KGS

No.	Material Number
1	129589011400
2	129589011401
3	129589011402







H.C.B-A1042 BENZ (W124) RIVET INSTALLER K1, K2

BENZ (W124) 鐵圈內油封鉚釘安裝器

- Iron ring inner oil seal rivet K/D tool
- N.W.: 15.5 KGS G.W.: 15.7 KGS









H.C.B-A1042-1 BENZ (W126/W140) RIVET INSTALLER

BENZ (W126/W140) 鉚釘安裝器

- The tool is used for installing the rivet.
- N.W.: 10.8 KGS G.W.: 11 KGS







H.C.B-A1042-3 RIVET

鉚釘







H.C.B-A1094 BENZ 722.6 TRANSMISSION OIL LEVEL GAUGE

BENZ 722.6 變速箱油尺

100 / 14 / 15 / 1.2'

- Genuine stock No.:140 589 15 21 00
- The tool is designed for checking ATF level.
- Application: MERCEDES models 1997 and newer with 722.6 transmission.
- Full length: 1220 mm







H.C.B-A1146 BENZ 722.7 TRANSMISSION OIL LEVEL GAUGE

BENZ 722.7 變速箱油尺



100 / 11 / 12 / 0.77'

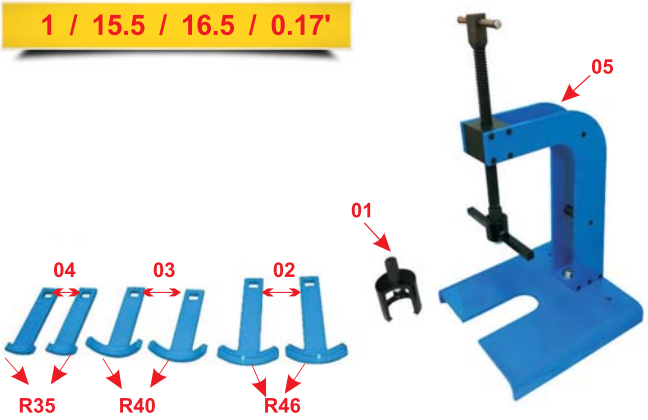


- The tool is designed for measuring the oil level of transmission.
- Full length: 920 mm
- Application: Transmission type 722.7, 716.5.

H.C.B-A1208 UNIVERSAL TRANSMISSION CLUTCH SPRING COMPRESSOR PAT. M317319

萬用變速箱離合器壓板拆裝器

1 / 15.5 / 16.5 / 0.17'





On BMW



On BENZ



On FORD



On VW

- To remove and install the transmission clutch piston snap ring.
- Adjustable for most models of European, Japanese and American cars and light trucks.
- Accessory 01 can be used on BENZ transmission rear clutch piston snap ring.
- Accessory 02, the wide arc plate, for using on all types and most of American and Japanese car automatic transmission clutch drums. For example: FORD, TOYOTA, MITSUBISHI... etc.
- Accessory 03, the middle arc plate, for using on most models of American cars and light trucks.
- Accessory 04, small arc plate, for using on BMW (4HP22, 5HP18...), VW, FORD Mondeo (CD4E)...etc.
- Accessory 05, main body of this tool: L300 mm x W300 mm x H330 mm.
- N.W: 15.5 KG G.W : 16.5 KG

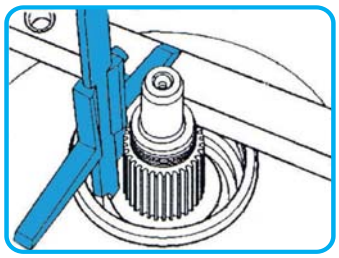
H.C.B-A2036 TRANSMISSION DEPTH GAUGE

變速箱深度量尺

40 / 17.6 / 21 / 2.26'

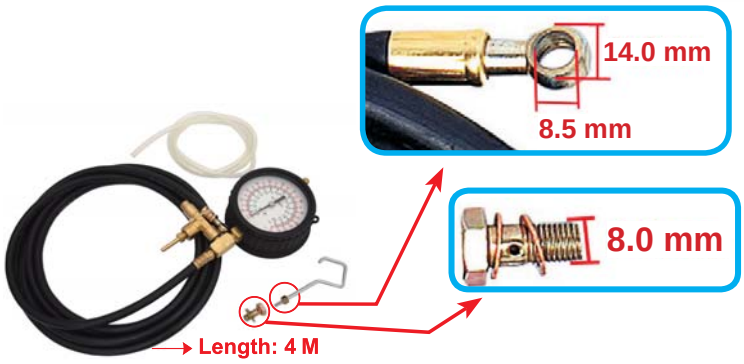


- Place the parallel rest on transmission housing.
- Use the depth gauge and measure from the parallel rest to the parking gear and the contact surface of the deep-groove ball bearing in the transmission housing.



H.C.B-B2054 BENZ GEAR OIL PRESSURE GAUGE

BENZ 變速箱壓力錶



H.C.B-A1290 UNIVERSAL TRANSMISSION & ENGINE PRESSURE TESTER

萬用型變速箱 & 引擎壓力錶



- Dual gauges allow testing of automatic transmission shift and engine pressures.
- Kit includes: Two gauges 100 psi and 400 psi, hook and sufficient hose to bring gauges into car for road tests. For Benz 720.1, 722.0,722.1, 722.2,722.3, 722.4,722.5, 722.6
- Dial diameter: 2-1/2"
  Pressure range: A: 0~100 psi / 0~7 bar
  B: 0~400 psi / 0~28 bar
- Hosing length：4 Meter
- Rubber protector 4 Meter of oil proof hose with super speed adaptor
- Application: All vehicles with ZF or GM automatic transmissions.
- N.W.: 3.6 KG



- Specification:

No.	Size	Q'ty	No.	Size	Q'ty
1.	1/8" NPT to 1/8" NPT f/m elbow	1	9.	1/8" NPT to 1/8" NPT m/m extension	1
2.	1/8" PT to 1/8" NPT f/m adaptor	1	10.	M8xP1.0 to M8xP1.0 adaptor	1
3.	1/8" PT to M10x1.0 adaptor	1	11.	M6xP1.0 to M6xP1.0 adaptor	1
4.	1/8" PT to M8x1.0 adaptor	1	12.	M8xP1.0 screw	1
5.	1/8" PT to 1/4" PT f/m reducer	1	13.	M6xP1.0 screw	1
6.	1/8" PT to 3/8" PT f/m reducer	1	14.	M8 washer	4
7.	1/4" PT to 1/8" PT m/m reducer	1	15.	1/8" PT(m) to Φ8 adapted tube	2
8.	1/8" PT to 1/8" PT f/f coupler	1	16.	1/4" PT(m) to US standard quick disconnects	2

H.C.B-A1209 BENZ 722.9 TRANSMISSION OVERFLOW PIPE REMOVER

BENZ 722.9 變速箱油標拆卸器







- Drift for unclipping the overflow pipe in the oil pan when draining the oil.
- Application: BENZ 722.9 model transmission.
- N.W.: 0.134 KG

H.C.B-B1209 BENZ 722.9 TRANSMISSION OIL TOOL

BENZ 722.9 變速箱油工具

- This tool is designed for filling oil in the transmission.
- Application: BENZ 722.9





H.C.B-A1333 BENZ TRANSMISSION GEAR LEVER RUBBER INSTALLER

BENZ 變速箱排檔桿橡膠安裝器

- This pliers can install the nylon bushing used on all models of Mercedes Benz automatic transmissions, and some Ford's, BMW's ,VW,AUDI and many other maunfacturers using ZF transmissions.
- This tool easily and safely pushes tough nylon bushings into place on the shift shaft. Works on several different bushing sizes.
- Application: BENZ W124/ W126/ W140/ W201/ W202/ W210…etc.






H.C.B-A2204 PNEUMATIC OIL & LIQUID DISPENSER (6000 c.c.)

吸排兩用液體分裝機(6000 c.c.)

6 / 16 / 17 / 4.7'

- Provide with the safety valve helps release pressure automatically when it reaches the pre-setting pressure (43 psi (3 kg/cm²)).
- Provide with pressure gauge makes read and control the air pressure in the tank easier.
- Application: BENZ 722.9

Specifications:

Air inlet	1/4"
Avg. Air cons	2 CFM
Temperature range	-19.4°C ~ 60°C
Max. Capacity	6000 c.c.

ADAPTER (OPTION):
NITTO MILTON ORION





H.C.B-A2230-T100 BENZ 722.9 TRANSMISSION SOCKET (Dr. 3/4", T100)

BENZ 722.9 變速箱套筒 (Dr. 3/4", T100)

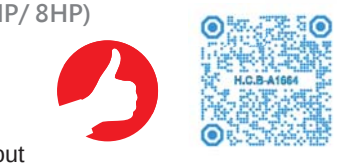
- Size: T-100 socket, Dr. 3/4"
- Used to remove the plug, for accessing the parking pawl detent on the 722.9 Mercedes transmissions.



H.C.B-A1664 TRANSMISSION OIL DRAIN TOOL KIT (BENZ 722.6 / 722.9, BMW 6HP / 8HP) PAT. M 537183

變速箱卸油工具組 (BENZ 722.6/ 722.9，BMW 6HP/ 8HP)

- Most of oil drain tools use gravity to drain the transmission oil out, but it is unable to drain out all the transmission oil.
  This transmission oil drain tool kit is able to drain out the rest of transmission oil cleanly by air pressure to keep the transmission clean. (There will be around 2.6 L oil left in the transmission of some car models without using this kit.)
- **Application:** MERCEDES-BENZ 722.6 / 722.9 Transmission, BMW 6HP / 8HP Transmission.
  (This kit is NOT suitable for BMW ZF 6HP transmission.)

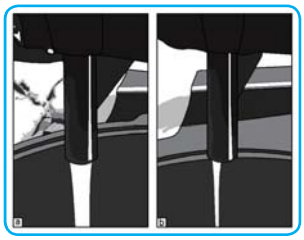


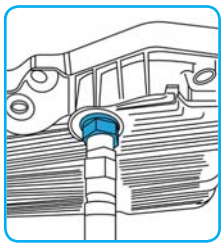


H.C.B-A1759 NEW BENZ 725 TRANSMISSION OIL FILLING TOOL

BENZ 725 變速箱油填充工具

- Used for filling Mercedes 725 transmissions.
- Adapter used to replace plug on transmission to allow filling.
- Application: 9G-Tronic 725.0 automatic transmission. (Year 2014~2017)
- **BENZ OEM no. ref.:**
  W725 589 00 90 00
  W725 589 02 90 00

H.C.B-B1759 NEW AUTOMATIC TRANSMISSION OIL FILLING SET (12.5L)(22 PCS)

通用變速箱補充瓶 (12.5 公升)(22 PCS)

- Adapter used to replace plug on transmission to allow filling.
- **BENZ OEM no. ref.:** W725 589 00 90 00 W725 589 02 90 00



1	1/8"-27(NPT)	Ford	12	M30 × 1.5	VAG
2	5/16"-24UNF	Volvo	13	M8 × 1.0	Nissan, Infiniti
3	M10 × 1.0	VAG	14	M10 × 1.0	Volkswagen
4	Hook type – small	VAG	15	Flexible 300mm hose	Honda, Hyundai, Kia
5	Hook type – medium	VAG	16	M12 × 1.25	Nissan
6	Hook type – large	BMW, Honda, Nissan	17	M14 × 1.5	VAG
7	M18 × 1.5	Toyota	18	M10 × 1.5	Nissan
8	M24 × 1.5	VAG with DSG	19	M12 × 1.75	Cadillac, Chevrolet
9	M22 × 1.5	Audi with CVT	20	Ear clip type Refill	Mercedes 725.0
10	M12 × 1.5	Mercedes 722.9	21	Stick-type drainer	Mercedes 725.0
11	M18 × 1.5	VAG	22	Cup-type drainer	Mercedes 725.0

HWANG CHERNG BIN H.C.B

SINCE 1990

018

HWANG CHERNG BIN

Specialty Tools Inc.



BMW

底盤修護工具

BMW CHASSIS REPAIR TOOL





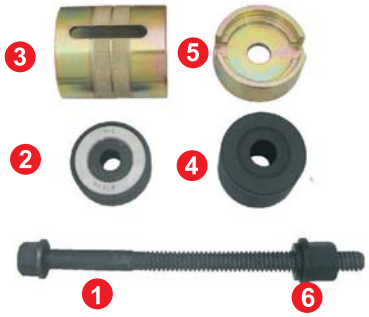


H.C.B-A1004 ON CAR BMW (E32/E34) UPPER SUB-FRAME BUSH REMOVAL/ INSTALLATION TOOL KIT PAT.165163 USA PAT.6389668

BMW (E32/E34) 上三角台鐵套拆裝工具組

5 / 17.3 / 18.5 / 1.59'

- For removing and installing metallic bushes on upper sub-frame.
- Application: BMW E32/E34.





H.C.B-A1034 ON CAR BMW (E34) HUB REMOVER/ INSTALLER PAT. 172921

BMW (E34) 輪軸拆裝工具組

5 / 22 / 23.4 / 1.59'

- The tool is designed for professional removal and installation of rear wheel hub.
- Application: BMW E34.







H.C.B-A1038 ON CAR BMW (E30/E36/E46) BUSH EXTRACTION / INSTALLATION TOOL KIT

BMW (E30/E36/E46) 三角架鐵套拆裝工具組

4 / 23.7 / 25.4 / 1.7'

- Used for R&R of rear wheel bearing located in wheel carrier.
- Application: BMW E30, E36, E46.







MODEL: BMW (E46)

H.C.B-C1168 ON CAR BMW (E30/E36) LOWER CONTROL ARM BALL JOINT REMOVAL/ INSTALLATION TOOL KIT PAT. M333280

BMW (E30/E36) 三角架球接頭拆裝工具組

4 / 27.4 / 28.2 / 1.28'

- The C-clamp was forged, its material is SCM440 and hardness is HRC38˚~42˚
- Removing and installing the ball joint.
- Application: BMW E30, E36









H.C.B-A1460 BMW (E70) INSIDE SPRING VISE

BMW (E70) 彈簧避震器拆裝工具組

- Used to R&R the rear springs on vehicles without automatic ride height option.
- Application note: Never use an air impact driver on the spring tensioner as damage can result. Instead, use the supplied special tool. Always use on BMW spring.
- **BMW OEM no. ref.:** 335 100

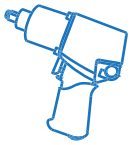




H.C.B-A1047 MACPHERSON SPRING DAMPER EXTRACTION/ INSTALLATION TOOL KIT (CHANGEABLE)

麥花臣式彈簧避震器拆裝工具組 (可換式)

1 / 13.8 / 14.9 / 1.18'

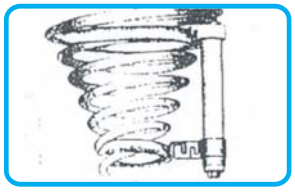








- Spring compressors are multi-applicable tools specifically developed for modern Macpherson suspensions, using a ranges of 3 sets of interchangeable mono block forks.
- Designed for used with air impact.
- Application: BMW, TOYOTA, FORD, MITSUBISHI, VW, AUDI, SAAB, NISSON, HONDA, ACCORD, SUBARU, VOLVO, OPEL and PORSCHE.
- N.W.: 14 KGS G.W.:15KGS
- Spring specification:
  A: ø 80 ~ ø 115
  B: ø 110 ~ ø 150
  C: ø 140 ~ ø 195





H.C.B-B1047 HEAVY DUTY MACPHERSON SPRING DAMPER EXTRACTOR (REPLACEABLE)

重力氣動麥花臣彈簧壓縮器

1 / 28.5 / 29.5 / 2'





- Break point : 66836 N (6820 kgt) (2,728 kgt)
- Max.Load : 26,000 N
- Max. working stroke : 317 mm
- Suitable for working with air impact.
- Safety design of free turning since overload is unacceptable.
- A square block for machinist's vice is attached to main body.
- 3 pairs of yellow covers help lacquered springs surface without damage. (Material: NYLON 66)
- Spring Specification :
  A: ø 80 mm ~ 110 mm
  B: ø 110 mm ~ 140 mm
  C: ø 145 mm ~ 195 mm
- Application :
  Audi, Alfa Romeo, BMW, Chrysler, Citroen, Daihatsu, Ford, Fiat, Honda, Hyundai, Kia, Mazda, MB-A class, Mitsubishi, Nissan, Opel, Porsche, Peugeot, Renault, Land Rover, Saab, Seat, Skoda, Subaru, Suzuki, Toyota, VW, Volvo, Vauxhall....etc

H.C.B-A1047-F&G

BMW (E39/E46) SPRING DAMPER EXTRACTION/ INSTALLATION TOOL KIT (CHANGEABLE)

BMW (E39/E46) 彈簧避震器拆裝工具組
(可換式)

- Used for fixing on the top of the spring cap, avoid falling off when working on spring.
- Two sizes for your choose. It is more safe and easy to use.
- Application: BMW E39/E46



H.C.B-A1047-1

SPECIAL VISE FOR SHOCK ABSORBER

麥花臣式彈簧拆裝工具固定座

- Attaching the pipe vise to the workbench allows repairs to be carried out quickly and cleanly.
- Struts should never be held in a normal workshop vise due to the risk of deforming the strut-tube.

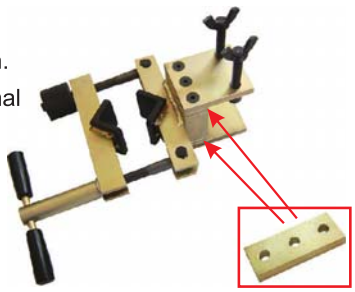


H.C.B-A1047-2

SPECIAL VISE FOR SHOCK ABSORBER-RAPIDLY PAT. M390257

快速型麥花臣式彈簧拆裝工具固定座

- Clamped on the workbench for repairing instead of screwing.
- Both sides are with the same function.
- Struts should never be held in a normal workshop vise due to the risk of deforming the strut-tube.



Replaceable pads increase the height of vise to fit the larger workbench.



H.C.B-A1047-H

EXTRA LARGE C JAW OF GM / CHRYSLER

GM / CHRYSLER 大 C 型配件

- Extra large jaw 1pc for Chrysler
- Operation range : 180-240 mm
- Only use with H.C.B-A1047



H.C.B-C1087 BMW (E36/E46/E85) REAR AXLES BUSH REMOVAL/ INSTALLATION TOOL KIT USA PAT.

BMW (E36/E46/E85) 後羊角鐵套拆裝工具組

- This master kit which included in A1087 and B1087.
- This kit not only can remove/install old bushes but also new bushes .
- Save time and labor.







BMW (E46) New Bush
Genuine Stock No.:
33 326 770 786



H.C.B-B1087 BMW (E46) REAR AXLE BUSH REMOVAL/ INSTALLATION TOOL KIT USA PAT.

BMW (E46) 後羊角鐵套拆裝工具組

Item No.	Description	Correspondence	Q'TY
B1087-1	Bearing Base	A1087-1	1
B1087-2	Bridge Piece	A1087-2	1
B1087-5	Installer Plate	A1087-5	1
B1087-7	Lock Nut (M12 x P1.75)	A1087-7(1 PCS)	2
B1087-17	Compressor Sleeve		1
B1087-18	Thrust Plate		1
B1087-19	Force Screw (M12 x P1.75, L: 232 mm, H: 10 mm)		1
B1087-20	Force Nut(M12 x P1.75)		1





BMW (E46) New Bush
Genuine Stock No.:
33 326 770 786





H.C.B-A1087 ON CAR BMW (E36/E46/E85) REAR AXLES BUSH REMOVAL/ INSTALLATION TOOL KIT USA PAT.

BMW (E36/E46/E85) 後羊角鐵套拆裝工具組

4 / 20.7 / 22.5 / 1.68'

- Removal and replacement tool for metallic bushes on rear axles BMW type E36, E46, E85. To replace the mounting bushes without lowering the complete rear axle assembly.













H.C.B-A1070

ON CAR

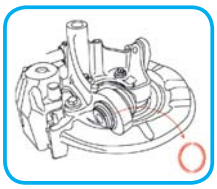
BMW (E38/E39/E52/E53/E60/E61/E63/E64/E65/E66/E67/E70/F01/F02/F04/F07/F10/F11/F18) REAR AXLES BUSH REMOVAL/INSTALLATION TOOL KIT USA.PAT.6389668

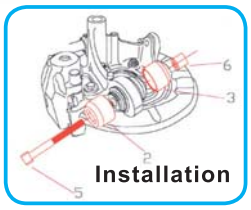
BMW (E38/E39/E52/E53/E60/E61/E63/E64/E65/E66/E67/E70/F01/F02/F04/F07/F10/F11/F18) 後羊角鐵套拆裝工具

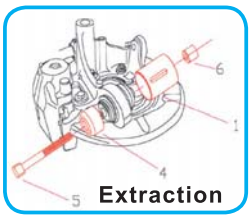
10 / 23.5 / 24.5 / 1.77'

- For removing and installing metallic bushes on rear axles.
- Application: BMW E38, E39, E52, E53, E60, E61, E63, E64, E65, E66, E67, E70, F01, F02, F04, F07, F10, F11, F18









H.C.B-A1089

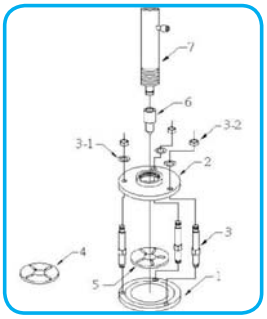
UNIVERSAL AXLES OIL PRESSURE EXTRACTOR (REPLACEABLE)

油壓輪軸拆卸組 (可換式)

2 / 30.5 / 31.7 / 0.9'







THE ILLUSTRATION OF TOOL

H.C.B-B1095-4H

SLIDE HAMMER PULLER FOR HUB EXTRACTION (4 HOLES FOR JAPANESE CARS)

輪軸拔卸器 (4 孔 , 日系車種)

2 / 18.5 / 20.5 / 1.48'



- Material of Main Body: SCM440
- Hardness: HRC 35°~40°
- Pull 4 bolts front hub on most of Japanese vehicles easily.
- Applicable: MITSUBISHI,TOYOTA,HONDA,ACCORD…etc

H.C.B-B1095-5H

BMW (E36/E46) SLIDE HAMMER PULLER FOR HUB EXTRACTION (5 HOLES FOR EUROPEAN CARS)

BMW 全車系輪軸拔卸器 (5 孔 , 歐系車種)

2 / 18.6 / 20.6 / 1.48'







- Material of Main Body: SCM440
- Hardness: HRC 35°~40°
- Pull 5 bolts front hub on most of European vehicles easily.

H.C.B-C1095-5H — BMW (E36/E46) SLIDE HAMMER PULLER FOR HUB EXTRACTION (5 HOLES FOR EUROPEAN CARS)

BMW 全車系輪軸拔卸器 (5 孔 , 歐系車種)



- Material of Main Body: SCM440
- Hardness: HRC 35°~40°
- Pull 5 bolts front hub on most of European vehicles easily.
- Application: Most of European vehicles, BENZ, BMW, AUDI, VW…etc.
- The slide hammer is 22.02 pounds.

H.C.B-D1095 — UNIVERSAL HUB PULLER KIT (4 & 5 HOLES) (W/HYDRAULIC CYLINDER & SLIDE HAMMER)

萬用型輪軸拔卸器 (4 孔 & 5 孔) (油壓式 & 滑鎚式)

1 / 25.8 / 27 / 1.62'







- Material of Main Body: SCM440.
- Hardness: HRC 35°~40°
- Pull 4 & 5 bolts front hub on most vehicles easily.
- P.C.D. range: Ø96-126 mm
- Application:
  4H: TOYOYA, HONDA, ACCORD, MITSUBISHI…, most of Japanese vehicle
  5H: BENZ, BMW, AUDI, VW,...etc, most European vehicle
- The slide hammer is 22.02 pounds.
- This tool is used with pump, such as H.C.B-A1052-6, H.C.B-B1129, H.C.B-A3036,H.C.B-B3036.

H.C.B-A1132 — ON CAR — BMW (E46/E85) REAR SUB-FRAME DIFFERENTIAL BUSH EXTRACTOR/ INSTALLER USA PAT.

BMW (E46/E85) 差速器後三角架鐵套拆裝器

10 / 19.9 / 21 / 1.55'







- For replacement of the differential mounting metallic bushes in the rear sub-frame.
- Replacement of the mounting bushes without removing of the differential.

H.C.B-A1153 — BMW (E46/E85) REAR SUSPENSION DIFFERENTIAL BUSH EXTRACTOR/ INSTALLER USA PAT.

BMW (E46/E85) 工字樑後橫樑差速器鐵套拆裝工具組

5 / 18.5 / 19.8 / 1.59'





BMW (E46) differential bush
Genuine stock No.: 6751808 3000-04

- For replacement of the rear suspension differential bush.
- On car maintenance.
- Best tool for replacement of the bush on BMW E46.
- Application: most of European vehicles, BENZ, BMW (E46/ E85), AUDI, VW … etc.



REMOVAL





INSTALLATION



H.C.B-A1044-2 BMW WHEEL STUD ALIGNMENT TOOL (M14 x P1.25)

BMW 輪胎定位銷 (M14 x P1.25)

- To assist in mounting wheels, especially latest models with iron lug bolts.
- Application:

BMW		M14x1.25
Chassis	Model	Model Year
F10	5-Series	2010-Present
F11	5-Series	2010-Present
F01	7-Series	2009-Present
F02	7-Series	2009-Present
F25	X3	2011-Present
E70	X5	2007-Present
E71	X6	200-Present
R50	MINI	From Jul 2006
R52	MINI	From Jul 2006
R53	MINI	From Jul 2006
R55	MINI	2007-Present
R56	MINI	2006-Present
R57	MINI	2009-Present



H.C.B-B2174 BMW EMF BRAKE CALIPER WIND BACK KIT

BMW EMF 煞車分泵調整組



- When replacing brake pads on newer BMWs with the Electromechanical Parking Brake (EMF) the rear brake caliper pistion has to be tumed while being compressed back into the caliper housing.
- Traditional methods of squeezing the piston back will not work as the piston must be screwed back in.
- Advantage:
  Used to reset the EMF adjustment unit & piston to the starting position.
  This tool has three pins that lock into the piston and a 3/8" fitting for your ratchet.
  Simply ratchet the piston back in to reset it. This tool will prove to be invaluable in years to come as all BMW models will be switching over to this new EMF type of rear brake system.
- Application:
  2010+F07 BMW 535i GT, 535i x Drive GT, 550i GT, 550i x Drive Gt
  2011+F10 BMW 528i 535i 535i x Drive 550i 550i x Drive M5
  2012+F06 BMW 640i Gran Coupe 650i Gran Coupe M6 Gran Coupe
  2012+F12 F13 BMW 640i 650i M6
  2002-2008 E65 BMW 745i 745li 750i 750li 760i 760li
  2009+F01 BMW 740i 740li 750i 750li x Drive 750li x Drive 760li
  2011+F25 BMW x 3 x Drive 28i x 3 x Drive35i
  2007+E70 BMW x 5 3.0si X 5 4.8i x 5 x Drive30i x 5 x Drive35d x 5 x Drive 35i x 5 x Drive48i x 5M
  2008+E71 BMW x 6 x Drive35i x 6 x Drive50i x 6M
  2009+Z4 BMW Z4 sDrive30i Z4 sDrive35i Z4 sDrive35is





H.C.B-A1647 BMW (E60) AFS GAUGE

BMW (E60) AFS 校正器

- Must be used during wheel alignment to fix the steering shaft in place.
- New bracket and fork sent out to fit new models.
- Application: BMW E60
- **BMW OEM no. ref.:** 83 30 0 494 655 (324 150)



H.C.B-C1264 ON CAR MINI COOPER (R50/R52/R53/R55/R56/R57/R58/R59) FRONT AXLE CONTROL ARM RUBBER MOUNT KIT

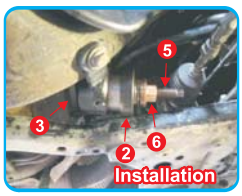
MINI COOPER (R50/R52/R53/R55/R56/R57/R58/R59)
前三角架橡皮座拆裝工具組

- For replacing the rubber mount (hydro-mounts) in left or right control arm.
- Application: R50/R52/R53/R55/R56 (mini cooper) (W10, W17, W11)
  (Bushing number # 31 12 6 757 561, 31 12 6 757 562)
- **BMW OEM no. ref.:** 315150

NOTE: Please put the rubber mount on its correct direction before installation











H.C.B-A1596 BMW (E46/E85) REAR SUSPENSION BUSH EXTRACTOR/INSTALLER

BMW (E46/E85) 後工字樑鐵套拆裝工具

- For replacement of the rear suspension mounting bushes. Replacement of the mounting bush without completely lowering the rear axle assembly.
- Application: BMW E46 / E85



H.C.B-B1596 BMW EXTENSION BAR

BMW 延長桿

- Extension bar for A1596





H.C.B-A1570 BMW (E90/M3) FRONT UPPER SUBFRAME BUSHING EXTRACTOR /INSTALLER KIT PAT.M459082

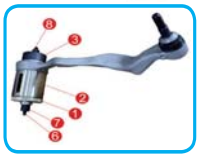
BMW (E90/M3) 上三角台鐵套拆裝工具組

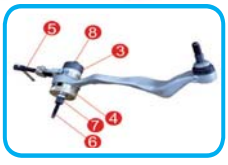
- Suitable for quick and simple removal and installation of the upper subframe bushing on BMW E90/M3.
- Can be used in-situ without removing the arm from the vehicle.
- Bush No. 31120393540K/31126763719
- Application: E82, E87 LC1, E88, E89, E90, E90 LC1, E91, E91 LC1, E92, E92 LC1,E93, E93 LC1, E84











1. Bush No. 31120393540K/31126763719
2. New Bush No. 31102283579

H.C.B-A1216 BMW AXIAL CLEARANCE SEPARATOR (L TYPE)

BMW 仰角間隙撐開器 (L 型)

- To separate the axial clearance while taking down the axle.



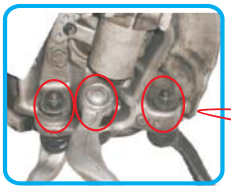


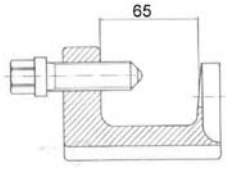
H.C.B-A1206 BMW (E39) BALL JOINT SEPARATOR (24 mm)

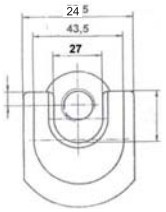
BMW (E39) 球接頭拆卸器 (24 mm)

30 / 21.9 / 23.5 / 0.68'

- For splitting track-rod end, anti-roll bar mountings, ball joints... etc. Especially in confined space conditions like on BMW (E39).

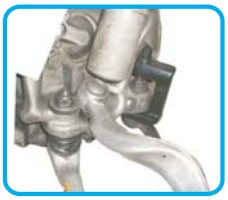


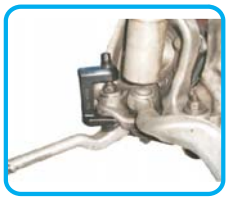




This tool can be used on all the three ball joints.







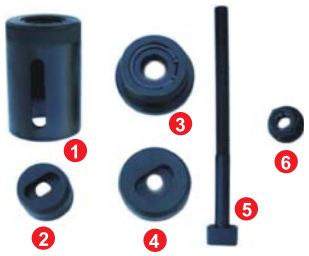


H.C.B-A1154 BMW (E28/E34) REAR SUB-FRAME DIFFERENTIAL BUSH REMOVER / INSTALLER USA PAT.

BMW (E28/E34) 後三角架鐵套拆裝工具組

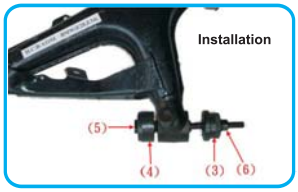
5 / 12.6 / 13.8 / 1.59'

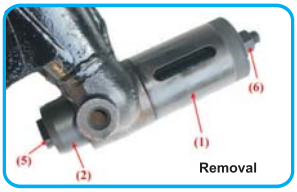
- For replacement of the rear sub-frame differential metallic bush.
- On car maintenance.
- Save time and money for maintenance.
- Application: BMW E28/E34.
- CAUTION:
  The bush and rear sub-frame differential are tightly installed. It is recommended to use a hammer to hit the rear end of the bush before using this tool.

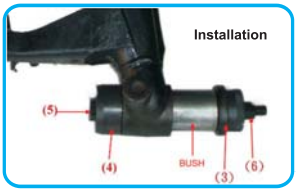




Genuine stock No.:
33 32 9 061 946
BMW(E28,E34)REAR SUB-FRAME DIFFERENTIAL BUSH









H.C.B-A1158 ON CAR BMW (E46/E85) REAR SUSPENSION BUSH EXTRACTOR/ INSTALLER PAT. M296813

BMW (E46/E85) 後工字樑鐵套拆裝工具組

4 / 19.8 / 21 / 1.5'

- Extractor for replacing of the rear suspension mounting bushes.
- Replace of the mounting bush without completely lowering the rear azxle assembly.
- Application:BMW E46,E85.




BMW (E46/E85) rear suspension




The illustration of removal of F/L bush


The illustration of installation of F/L bush


The illustration of removal of F/R bush


The illustration of installation of F/R bush


The illustration of removal of rear bush


The illustration of installation of rear bush

H.C.B-B1201 BMW (X1/X3/X5/X6) TRANSMISSION RUBBER MOUNT BUSH EXTRACTOR/ INSTALLER

BMW (X1/X3/X5/X6) 變速箱橡膠支座拆裝工具組

- Use to remove the transmission rubber mount bush.
- Application: BMW X3/E83,X5/E53/E70/E71,X5, 3000 c.c. before year 2003,X6/E70






E53(X5) 2000~2003


E53(X5) 2003~2007


E70(X5)2007~2013
E71(X6)2008~2013

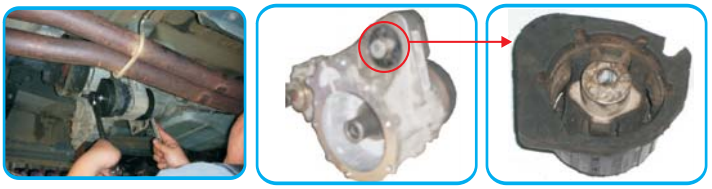

E83 X3 (2004~2010)
E46 4WD, E90 4WD,
E60 4WD

H.C.B-A1201 BMW (X5) TRANSMISSION RUBBER MOUNT BUSH EXTRACTION / INSTALLATION TOOL KIT

BMW (X5) 變速箱橡膠支座拆裝工具組

4 / 22 / 23.2 / 1.28'





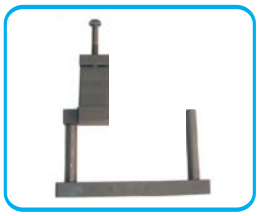


Fig 1

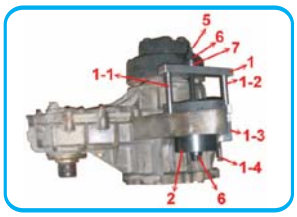


Fig 2

The Illustration for Removal:

Step 1: Put accessory No. 1-3 into 1-2. Please refer to the removal illustration fig 1 for guidance.
Step 2: Make sure clip the accessory No. 1-3 to the essence of the transmission, then put the accessory 1-1 into the outer breach of rubber mount to enable the central hole of accessory 1 and rubber mount to keep on a straight line. Then insert the accessory No. 5.
Step 3: Install the bearing and nut on the both sides of accessory No. 5 after adjusting 1-4 and tightening 1-3.
Step 4: To extract according to fig 2

The Illustration of Installation

Step 1: To insert the locking pin of accessory No. 4 into the inner hole of rubber mount. Please refer to the install illustration fig 1 for guidance.
Step 2: To complete the installation according to fig 2.

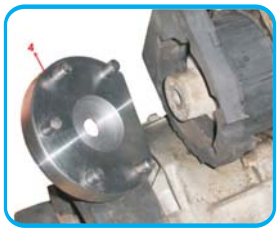


Fig 1

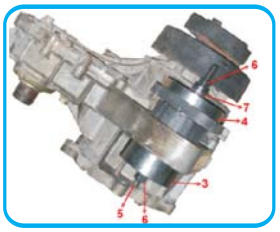


Fig 2

Application: BMW (X5, 3000 c.c.) before year 2003.

H.C.B-A1185 ON CAR BMW (E39) REAR SUSPENSION DIFFERENTIAL EXTRACTION / INSTALLATION TOOL KIT

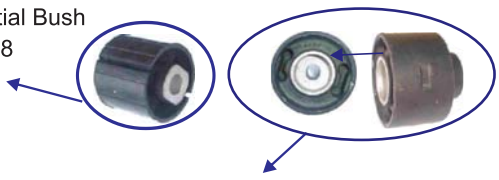
BMW (E39) 後工字樑差速器鐵套拆裝工具組

5 / 26.2 / 27.5 / 1.59'



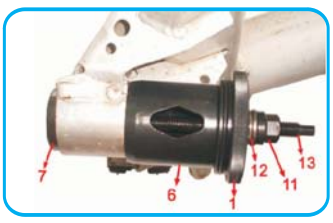


BMW (E38/E39) Rear Differential Bush
Genuine stock: 33 17 1 093 008

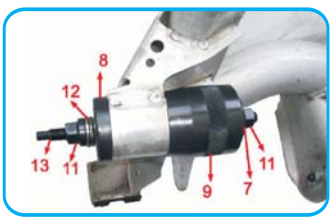


BMW (E39) Front Differential Bush
Genuine stock: 33 17 1 090 389

BMW (E39) Bushes



Removal



Installation

H.C.B-B1211 BMW (E39) SEDAN AND WAGON REAR SUSPENSION BUSH EXTRACTOR/ INSTALLER KIT

BMW (E39) 轎車、休旅車後工字樑鐵套拆裝工具組

- On car maintenance.
- This kit contains the tools necessary to remove and install the rear axle carrier mount bushings on BMW E39 Sedan and Wagon.




Bush for BMW (E39) Wagon


Bush for BMW (E39) Sedan









H.C.B-A1211 ON CAR BMW (E39) REAR SUSPENSION BUSH EXTRACTOR / INSTALLER KIT

BMW (E39) 後工字樑鐵套拆裝工具組

4 / 17.2 / 18.2 / 1.5'

- On car maintenance.
- This kit contains the tools necessary to remove and install the rear axle carrier mount bushings on BMW E39 models.

Part No.	Description	Q'ty
1	Extraction Fixed Base	1
2	Bolt (M12*P1.75, M16*P2.0)	1
2-1	Nut (M16*P2.0)	1
2-2	Nut (M12*P1.75)	1
2-3	Bearing (#51103)	1
3	Extraction Pressure Piece	1
4	Installation Pressure Piece	1
5	Installation Fixed Base	1








Genuine stock No.: 132441

H.C.B-A1258 ON CAR BMW (E53) REAR SUSPENSION BUSH EXTRACTOR / INSTALLER

BMW (E53) 後工字樑鐵套拆裝工具組

4 / 24 / 25 / 1.5'

- Extractor for replacing of the rear suspension mounting bushes. Replace of the mounting bush without completely lowering the rear axle assembly.
- Application: BMW (E53).
- Warning: Keep the bolt and bush clean before using. Please smear grease on them.
- The bush arrow should be paralleled with the ca itself. The max. inaccuracy is around±7º

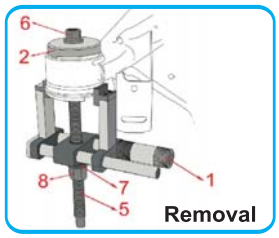




BMW (E53) REAR SUSPENSION



Genuine Stock No.:
33 31 6 770 454





H.C.B-B1258 ON CAR BMW X5 (E53) REAR SUSPENSION DIFFERENTIAL BUSH EXTRACTOR / INSTALLER

BMW X5 (E53) 後工字樑差速器鐵套拆卸工具組







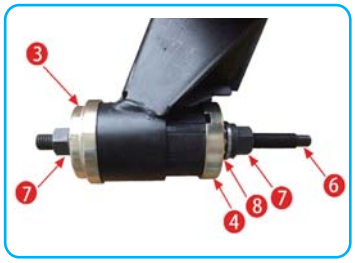
- Extractor for replacement of the rear suspension mounting bushes. Replacement of the mounting bush without completely lowering the rear axle assembly.
- Application: BMW (E53).



Removal



Installation-1



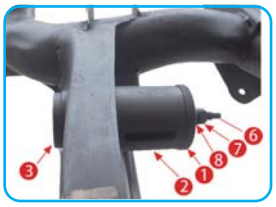
Installation-2

H.C.B-C1258 ON CAR BMW X5 (E53) FRONT SUSPENSION DIFFERENTIAL BUSH EXTRACTOR / INSTALLER

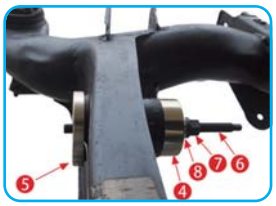
BMW X5(E53) 前工字樑差速器鐵套拆卸工具組







Removal



Installation

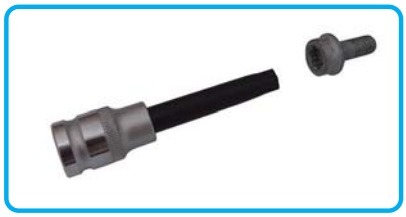


- Extractor for replacement of the front suspension mounting bushes.
  Replacement of the mounting bush without completely lowering the rear axle assembly.
- Application: BMW (E53).

H.C.B-A1555 BMW REAR DIFFERENTIAL SOCKET (PT55)

BMW 後差速器套筒 (PT55)







- For BMW rear differential.
- Application: BMW

H.C.B-B2293 BMW INNER BEARING RACE EXTRACTOR KIT

BMW 軸承內圈環拔卸器

- Removal of the hub always leaves the inner race on the hub, but this extractor kit allows precise extraction of inner bearing race from the wheel hub.
- The race is impossible to remove without the correct special tool. If removal is operated by makeshifts, such as grinders, acetylene welding torch……, etc. may cause severe risks of personal injury or damage to the components.
- This new puller set allows quick and easy removal of inner bearing races.
- Application: E36/E46/E90















H.C.B-A1568 BMW (F01/02/F04/F06/F07/F10-F13/F18) DIFFERENTIAL FRONT BUSH REMOVAL / INSTALLATION TOOL KIT

BMW (F01/02/F04/F06/F07/F10-F13/F18) 差速器 (前) 鐵套拆裝工具

H.C.B-B1568 BMW (F01/02/F04/F06/F07/F10-F13/F18) DIFFERENTIAL REAR BUSH REMOVAL / INSTALLATION TOOL KIT

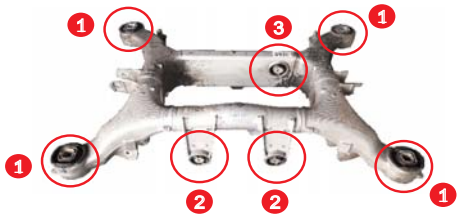
BMW (F01/02/F04/F06/F07/F10-F13/F18) 差速器 (後) 鐵套拆裝工具

H.C.B-A1588 BMW (F01/F02/F04/F06/F07/F10-F13/F18) REAR SUSPENSION BUSH REMOVAL / INSTALLATION TOOL KIT

BMW (F01/F02/F04/F06/F07/F10-F13/F18) 後工字樑鐵套拆裝工具組

1 H.C.B-A1588 BMW (F01/F02/F04/F06/F07/F10-F13/F18) REAR SUSPENSION BUSH REMOVAL / INSTALLATION TOOL KIT

- To remove and install of the rear suspension bushes.
- Application: BMW F01/F02/F04/F06/F07/F10-F13/F18.

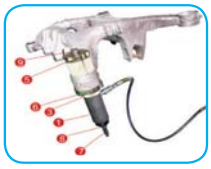






1.Bush no. 33 316 790 573 (FRONT)
2.Bush no. 33 316 793 864 (REAR)


FRONT BUSH REMOVAL


FRONT BUSH INSTALLATION


REAR BUSH REMOVAL


REAR BUSH INSTALLATION

2 H.C.B-A1568 BMW (F01/02/F04/F06/F07/F10-F13/F18) DIFFERENTIAL FRONT BUSH REMOVAL / INSTALLATION TOOL KIT

- Suitable for the removal/installation of the front differential bush on BMW F01.
- Application : BMW F01/02/F04/F06/F07/F10-F13/F18.
- Advantage: Bushes can be replaced without removal of the differential.




Bush number: 33 316 792 873

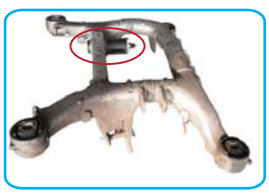


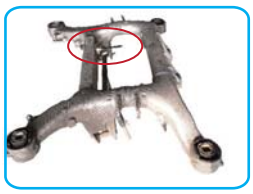


3 H.C.B-B1568 BMW (F01/02/F04/F06/F07/F10-F13/F18) DIFFERENTIAL REAR BUSH REMOVAL / INSTALLATION TOOL KIT




Bush number: 33 316 792 872





- Suitable for the removal/installation of the rear differential bush on BMW F01.
- Application : BMW F01/02/F04/F06/F07/F10-F13/F18
- Advantage: Bushes can be replaced without removal of the differential.

H.C.B-A1458 BMW (E87/E90) REAR SUSPENSION BUSH EXTRACTION/ INSTALLATION TOOL KIT

BMW (E87/E90) 後工字樑鐵套拆裝工具組

- Extractor for replacement of the rear suspension mounting bushes.
  Replacement of the mounting bush without completely lowering the rear axle assembly.
- Application: BMW (E87/E90).




Genuine Stock No.:
33 31 6758 259


Genuine Stock No.:
33 31 6758 260


Removal


Installation

H.C.B-B1264 MINI COOPER (R50/R52/R53) LOWER CONTROL ARM FIXED BASE EXTRACTOR / INSTALLER

MINI COOPER (R50/R52/R53) 三角架固定座拆裝器

- Assembly tool like B1264 can extract/ install lower control fixed base when repairing the bushes from hydraulic mount
- Removing/ installing the bushes by H.C.B-C1264
- Application: MINI COOPER (R50/R52/R53)







H.C.B-A1687 UNIVERSAL HUB PULLER PAT. M530219

萬用輪軸拔卸器

- This puller can remove the new compact wheel bearing with or without locking ring.
- This puller is adjustable which can fit most bearings or even new ones in the future.
- This puller is able to be used as a hub puller.
- Application:
  BENZ ML W140/W163/W124/W220
  BMW E36/E46,E90
  VW TOUARG







H.C.B-D1253 BMW OUTPUT SHAFT EXTRACTOR/ INSTALLER KIT

BMW 輪軸拆裝工具組

3 / 21.6 / 22.8 / 2.39'

- This kit includes H.C.B-A1253, H.C.B-B1253 and H.C.B-C1253



H.C.B-A1253 BMW OUTPUT SHAFT KIT

BMW 輪軸拆裝工具組

5 / 23.2 / 24.4 / 1.59'



- For removing and installing output shaft in drive flange as well as for removing front wheel bearing unit.
- Application: BMWE30, E31,E32, E36, E38, E39, E46, E52, E53, E60, E63, E64, E65, E66, E67, E83, E85, RR1, (On E53, conjunction with H.C.B-B1253)
- CONTENTS & ASSOCIATED TOOLS:

1. HUB Puller Plate
2. Clamping Apparatus
3. Force Screw M20 * P1.5, Length: 150mm
   Used to press output shaft out of drive flange, grip with tire iron in so doing.
   Application: E30, E31, E32, E36, E38, E39, E46, E53, E65, E66, E67, E83, E85
4. Output Shaft Adaptor - M22 * P1.5.
   Insert output shaft into drive flange. Application: E30
5. Output Shaft Adaptor – M27 * P1.5,
   Insert output shaft into drive flange. Application: E31, E52, E53, E60, E61, E65, E66, E67, E83
6. Output Shaft Adaptor – M24 * P1.5,
   Insert output shaft into drive flange. Application: E36, E46
7. Force nut and bearing
8. Force SCREW
   Application: E30, E31, E32, E36, E38, E39, E46, E52, E53, E60, E61, E65, E66, E67, E83, E85, RR1
9. Output Shaft Adaptor – M30 * P1.5

PRESSING OUTPUT SHAFT OUT



- Insert the Force Screw A1253-3 into the Force Screw A1253-7 and install through HUB Puller Plate A1253-1.
- Attach the Puller Plate A1253-1 securely to the drive flange with the original wheel studs.
- Screw special tool A1253-3, grip with tire iron A1253-2 and H.C.B-C1253, and then press output shaft out of drive flange.

INSTALLATION OF OUTPUT SHAFT



- Lightly oiled spline teeth of output shaft.
- Insert output shaft into drive flange.
- Select correct Output Shaft Adaptor A1253-4, 5, 6, 9 from special tool kit H.C.B-A1253 and screw onto output shaft.



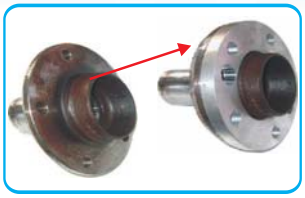
- Screw on special tool A1253-1 with wheel studs.
- Draw in output shaft with special tool A1253-8 and A1253-3, grip with tire iron A1253-2 and H.C.B-C1253 in so doing.

H.C.B-B1253 BMW ALUMINUM ALLOY HUB WASHER

BMW 鋁合金輪軸墊塊

■ Application: BMW E53





H.C.B-C1253 FLANGE HOLDING LEVER

支擋把手





H.C.B-A1048 BMW (E30/E36) LOWER CONTROL ARM BALL JOINT REMOVER/ INSTALLER

BMW (E30/E36) 三角架球接頭拆裝工具組

5 / 23.1 / 24.3 / 1.59'

■ Removing and installing the ball joint with a hydraulic press.
■ Application: BMW E30, E36.







H.C.B-A1304 BMW BALL JOINT EXTRACTOR (24 mm)

BMW 球接頭拔卸器 (24 mm)

■ For splitting track-rod ends, anti-roll bar mountings, ball joints……, etc, especially in small space conditions.
■ Application: BMW E46, BENZ W211 / W220 / W168





H.C.B-B2189 BMW BRAKE CALLIPERS WIND BACK SOCKET (H7)

BMW 煞車卡鉗拆卸套筒 (H7)

■ Size: Dr. 3/8" x H7
■ Length: 36 mm
■ Application: BMW
■ Special designed to replace the brake lining.





H.C.B-A1332 BMW (E60/E61/E63/E64) FRONT CAMBER ADJUSTER

BMW (E60/E61/E63/E64) 外傾角調整器

- This adjuster is designed for adjusting front camber.
- Application: BMW E60/E61/E63/E64





H.C.B-B1332 BMW (E38/E39/E46/E53/E65/E66/E67/E81/E83/E85/E87/E90/E91/E92/E93) FRONT CAMBER ADJUSTER

BMW (E38/E39/E46/E53/E65/E66/E67/E81/E83/E85/E87/E90/E91/E92/E93) 外傾角調整器

- This adjuster is designed for adjusting front camber on late model 3 series with KDS.
- Application: BMW (E38/E39/E46/E53/E65/E66/ E67/E81/E83/E85/E87/E90/E91/E92/E93)






H.C.B-C1332 BMW (E38/E39/E46/E53/E65/E66/E67/E81/E83/E85/E86/E87/E90/E91/E92/E93) FRONT CAMBER ADJUSTER

BMW (E38/E39/E46/E53/E65/E66/E67/E81/E83/E85/E86/E87/E90/E91/E92/E93) 外傾角調整器

- Adjust the front camber on late model 3 series with KDS
- Application: BMW (E38/E39/E46/E53/E65/E66/E67/E81/E83/E85/E86/E87/E90/E91/E92/E93)



H.C.B-D1332 BMW (E38/E39/E46/E53/E60/E61/E63/E64/E65/E66/E67/E81/E83/E85/E86/E87/E90/E91/E92/E93) FRONT CAMBER ADJUSTER KIT

BMW (E38/E39/E46/E53/E60/E61/E63/E64/E65/E66/E67/ E81/E83/E85/E86/E87/E90/E91/E92/E93) 外傾角調整器

10 / 14 / 15 / 1.64'

- This kit includes A1332, B1332 and C1332.



H.C.B-B1294 BMW BALL JOINT PULLER (24 mm & 27 mm & 31 mm & 36 mm)

BMW 球接頭拔卸組 (24 mm & 27 mm & 31 mm & 36 mm)

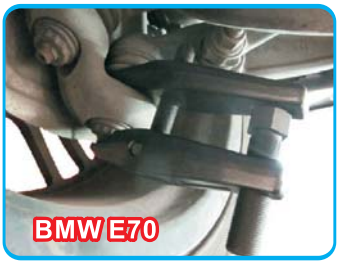
- For quick and easy separation of ball joint connections.
- H.C.B-A1294-6 is particularly useful for control arms from steering knuckle. Special for E53, E83.
- Application: BMW E38, E39, E52, E53, E60, E61, E70, E83, E90, E91, E92, R50, R52, R53, RR1, RR2, X5,
- H.C.B-A1294-7 can be used on for Mercedes E-Class (W211), CLS (W219), S-Class (W220) and SL(W230)、PORSCHE 996、AUDI A4、AUDI A6 Carrera lower suspension ball joint.
- H.C.B-A1294-9 can be used on BMW (E70) 、Land Rover













Parts No.	Description
A1294-1	compression bar 159L
A1294-2	base tool （27mm）
A1294-3	screw rod (M16×P1.5×11L)
A1294-4	hexagon Screws(H24,M20×P1.5×98L)
A1294-5	bearing（φ10×43L）
A1294-6	base tool（31mm）
A1294-7	base tool（24mm）
A1294-8	screw for Mini cooper
A1294-9	base tool (36mm)

H.C.B-A1455 BMW RIM LOCKS SOCKET (Dr. 1/2") (10T/17T/21T)

BMW 防盜螺絲套筒 (Dr. 1/2") (10T/17T/21T)

- Used on removal of rim screws when locked with original BMW rim locks.

ITEM NO.	Description
A1455-10	10Tx16.0mmx100mm(L)
A1455-17	17Tx14.5mmx100mm(L)
A1455-21	21Tx16.5mmx100mm(L)





H.C.B-A2288 BMW WHEEL LOCK SCREW SOCKET KIT (10 PCS)

BMW 防盜螺絲套筒組 (10 PCS)

- This tool enables you to permit servicing of customer vehicles; even customer has lost the key.
- Contents: H17*13PT/15PT/16PT/17PT/18PT/19PT/20PT/21PT/22PT/23PT
- Applicable for installing and removing locks of BMW F series.
- Note : Maximum torque : Within 150 Nm°



H.C.B-B2288 BMW WHEEL LOCK SCREW SOCKET KIT (20 PCS)

BMW 防盜螺絲套筒組 (20 PCS)

- Later style locking wheel nut kit (clover leaf style) for BMW F type models.
- Designed to fit OE style BMW wheel nuts with 17 mm socket drive: 1 series F20/F21, 3 Series F30/F31, 4 Series F32/F34/F36, 5 Series F10/F11, 6 Series F12/F13, 7 Series F01/F02/F04.





H.C.B-B1129 HYDRAULIC HAND PUMP (3/8" ADAPTOR)

手搖幫浦 (3/8" 接頭)

- Optional: conjunction with H.C.B-A1129.
- Output: 800 kgs
- Max. Pressure: 700 bars



H.C.B-F1129 BMW (F01/F02/F07/F10/F11/F12/F13/F18) FRONT LOWER CONTROL ARM BUSH EXTRACTOR / INSTALLER (W/HYDRAULIC CYLINDER) (3/8" ADAPTOR) PAT.

BMW (F01/F02/F07/F10/F11/F12/F13/F18) 前下三角架鐵套拆裝工具組 (液壓式)(3/8" 接頭)

- Character:
  - Special design for precise bush installation which can install the bushes to the right position without the necessity of aligning the bush position afterwards.
  - Driven by hydraulic system, this kit requires H.C.B-B1129 hand pump or H.C.B-A3036 air pump.After connecting with pump, this kit allows quick installation and fast, precise installation of new bushes.
  - Can directly replace the bushes on car without disassembling the control arm.
  - Application: BMW F01, F02, F07, F10, F11, F12, F13, F18





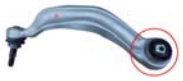
SHOCK ABSORBER BUSH SUBFRAME BUSH

BMW F10, F11 front lower control arm (rear)



SHOCK ABSORBER BUSH SUBFRAME BUSH

Bush OEM no. ref.:
inner: 36018 01 outer: 36017 01



BMW F01, F02, F07 front lower control arm (front)



Bush OEM no. ref.: 35389 01

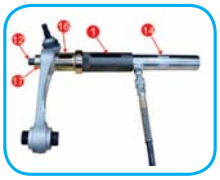


BMW F10-F13, F18 front lower control arm (front)

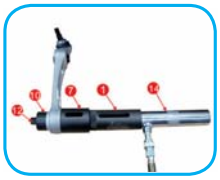


Bush OEM no. ref.: 35387 01

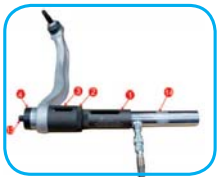
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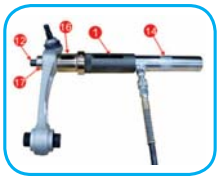
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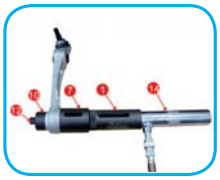
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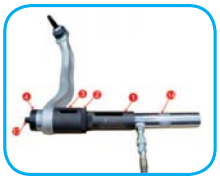
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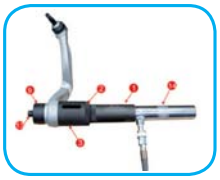
Installation:



Installation:



Installation:



H.C.B-D1129

ON CAR

BMW(E31/E32/E34/E38/E39/E53/E60/E65/E66/E70/E82/E87/E88/E90/E91/E92/E93/F01/F02/M3) UPPER SUB-FRAME BUSH EXTRACTOR/ INSTALLER (HYDRAULIC) (3/8" ADAPTOR) PAT.

BMW(E31/E32/E34/E38/E39/E53/E60/E65/E66/E70/E82/E87/E88/E90/E91/E92/E93/F01/F02/M3) 上三角台鐵套拆裝工具組 (液壓式) (3/8" 接頭)

- This kit contains hydraulic rams, pads and tubes.
- Use this kit to remove and install the metallic bushing on the upper subframe with hydraulic driven and on car mantenance.
- Hydraulic pump is not included. 10 tons recommended.
- Conjunction with B1129 hydraulic hand pump, and using with B3036 when over pressure.





You will also need to add :
H.C.B-A1554





H.C.B-A1129

ON CAR

BMW (E31/E32/E34/E38/E39/E53/E60/E65/E66) UPPER SUB-FRAME BUSH EXTRACTION / INSTALLATION TOOL KIT (HYDRAULIC) (3/8" ADAPTOR) PAT. M277669 USA PAT.

BMW (E31/E32/E34/E38/E39/E53/E60/E65/E66)
上三角台鐵套拆裝工具組 (液壓式) (3/8" 接頭)

1 / 13.4 / 14.2 / 0.85'









- 5 series (E34, E39)
  7 series (E32, E38, E65,E66)
  8 series (E31)
  X5 (E53)
- BUSHINGS : E32, E31- #31 12 1 136 607
  E34 - # 31 12 1 139 456
  E38, E39 - #31 12 0 006 482
  E53 - #31 12 1 096 372
  E65, E66 - #31 12 0 303 754



- This kit contains hydraulic rams, pads and tubes.
- Use this kit to remove and install the metallic bushing in the traction strut with hydraulic driven and on car maintenance.
- Hydraulic pump is not included. 10 tons recommended.
- Conjunction with B1129 hydraulic hand pump, and using with B3036 when over pressure

You will also need to add :
H.C.B-A1554





H.C.B-A1487

BMW (E81-E88,E90-E93,F2,M3) REAR TRAILING ARM BUSHING REMOVER/INSTALLER PAT.M459082

BMW (E81-E88,E90-E93,F2,M3) 後仰角鐵套拆裝工具組

- Use this tool to remove and install the bush.
- Application: BMW (E81-E88, E90-E93, F2, M3)







Rubber mount number:
33326763092 110867-10
Bush number: 26643 676





H.C.B-B1487

BMW (E81-E93) SUBFRAME LOWER TRACK CONTROL BUSH REMOVAL / INSTALLATION TOOL KIT PAT.M459082

BMW (E81-E93) 工字樑三角架前後鐵套拆裝工具組

- Use this tool to remove and install the bush.
- Application: BMW E81-E93







REMOVAL



Front Bush no. : 33 32 6 770 829
Rear Bush no.: 33 326 763 092



INSTALLATION

H.C.B-A1747

BMW OUTPUT SHAFT PRYBAR

BMW 傳動軸撬棒

- Used to remove the output shaft from the front axle assembly on 4WD vehicles.
- Application: 525ix, X3, X5
- **BMW OEM no. ref.:** 315110

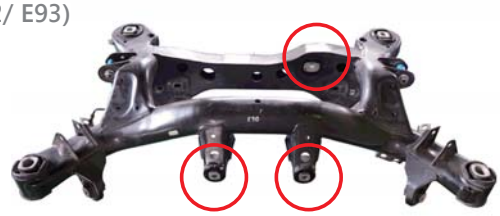


H.C.B-A1749

BMW (E81/ E82/ E83/ E84/ E85/ E86/ E87/ E88/ E90/ E91/ E92/ E93) DIFFERENTIAL BUSH REMOVAL/ INSTALLATION TOOL KIT

BMW (E81/ E82/ E83/ E84/ E85/ E86/ E87/ E88/ E90/ E91/ E92/ E93) 差速器鐵套拆裝工具組

- This kit is designed to remove/ install the differential bushes.
- Application: BMW (E81/ E82/ E83/ E84/ E85/ E86/ E87/ E88/ E90/ E91/ E92/ E93)





Bush no.: 3003-01 676 9376



Bush no.: 33 17 6 770 866



Bush no.: 33 17 6 760 287





Aim the mark on the tool at the slots of bush.









H.C.B-A1782 NEW BMW (E36/E46/X3) TRAILING ARM BUSH REMOVAL/ INSTALLATION TOOL

BMW (E36/E46/X3) 後游臂鐵套拆裝工具組

- Trailing arm bush tool for BMW E36 and E46 3-Series.
- Application:
  BMW 3 Series
  E36 (92-99) > 318i M42, E36 (92-99) > 318i M44, E36 (92-99) > 318ic M42, E36 (92-99) > 318ic M44, E36 (92-99) > 318is M42, E36 (92-99) > 318is M44, E36 (92-99) > 323ic, E36 (92-99) > 323is, E36 (92-99) > 325i, E36 (92-99) > 325ic, E36 (92-99) > 325is, E36 (92-99) > 328i, E36 (92-99) > 328ic, E36 (92-99) > 328is, E36 (92-99) > M3 (1995) E36 (92-99) > M3 (96-99), E46 (99-05) > 320i, E46 (99-05) > 323Ci, E46 (99-05) > 323i, E46 (99-05) > 325Ci, E46 (99-05) > 325i, E46 (99-05) > 325xi, E46 (99-05) > 328Ci, E46 (99-05) > 328i, E46 (99-05) > 330Ci, E46 (99-05) > 330i, E46 (99-05) > 330xi, E46 (99-05) > M3



Note: This tool can't use with newer style bush of E46 cars, and some E36 cars. It requires H.C.B-B1087 to work with.

Removal



Installation



H.C.B-A1795 NEW BMW (E60/ E61/ E63/ E64) REAR SUBFRAME FRONT/ REAR BUSH REMOVAL/ INSTALLATION TOOL KIT PAT. M561632

BMW (E60/ E61/ E63/ E64) 後工字樑前 / 後鐵套拆裝工具組

- This tool kit is used on removal/ installation of BMW rear subframe front/rear bush.
- Application: BMW (E60/ E61/ E63/ E64)





Bush OEM no.:
33 316 770 826



Front Bush Removal:



Front Bush Installation:





H.C.B-A1796 NEW BMW (F25) REAR SUBFRAME FRONT/ REAR BUSH REMOVAL/ INSTALLATION TOOL KIT

BMW (F25) 後工字樑前 / 後鐵套拆裝工具組

- This tool kit is used on removal/ installation of BMW rear subframe front/ rear bush.
- Application: BMW (F25)







H.C.B-A1949 NEW BMW (G11/G12) REAR SUSPENSION LOCKING TOOL

BMW (G11/G12) 後工字樑固定工具



- Screw this tools inside the left and right side of rear axle carrier front rubber mounting .
- Application:BMW G11/G12
- **BMW OEM no.ref.:** 2 411 678

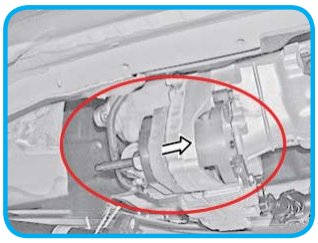


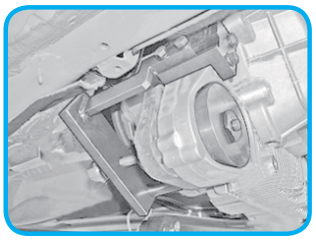
H.C.B-A1962 NEW BMW (E60/E61/E84/E90/E91/F02/F10/F11/F70)TRANSMISSION RUBBER MOUNT BUSH EXTRACTION/ INSTALLATION TOOL KIT

BMW (E60/E61/E84/E90/E91/F02/F10/F11/F70) 變速箱橡膠支座拆裝工具組

- Use to remove the transmission rubber mount bush.
- Application:
  BMW E90,E91, E92, E60, E61, F07, F10, F11, F01, F02, E84.
  transmission type: ATC300, ATC350, ATC35L, ATC450.
- **BMW OEM no.ref.:** 221 040







HWANG CHERNG BIN H.C.B ®

SINCE 1990

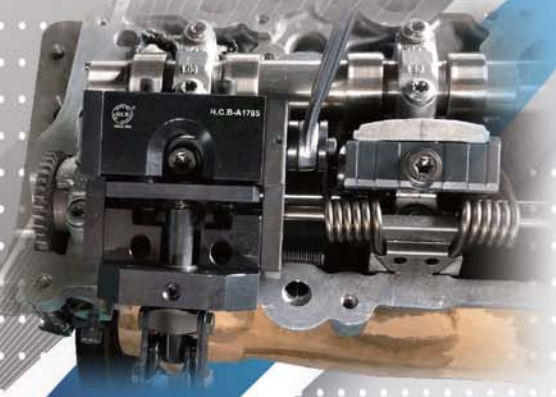
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HWANG CHERNG BIN
Specialty Tools Inc.

BMW 引擎修護工具

BMW ENGINE REPAIR TOOL











H.C.B-A1019 BMW (M40/M43/M70/M73) CAMSHAFT ALIGNMENT TOOL

BMW (M40/M43/M70/M73) 正時工具組

18 / 22.1 / 22.8 / 0.82'

- Include: plate &locking pin for setting camshaft timing.
- Application : BMW M40, M43, M70, M73.
- **BMW OEM no. ref.:** 113 109 / 112 300.



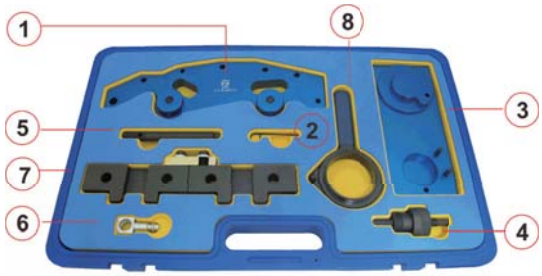


H.C.B-M52TU BMW (M52TU/M54/M56) CAMSHAFT ALIGNMENT TIMING TOOL MASTER KIT

BMW (M52TU/M54/M56) 凸輪軸正時工具組

- Application: M52TU engine (1999-2000 323i, 328i, 528i/ 1999-2003 Z3). M54 engine (2001-2005 325i, 330i, 525i, 530i, X5 3.0i/ 2001-2002 Z3/ 2003-2004 Z4/ 2004-2005 X3)
- **BMW OEM no. ref.:** 116150, 113292, 116180, 119340, 112300, 1134450, 113240, 1154900

Parts No.	Description
M52TU-1	BMW M50-TU (M52TU/ M54/ M56) double vanos setup bracket
M52TU-2	Secondary chain tensioner locking pin
M52TU-3	Secondary sprocket tool
M52TU-4	Primary chaintensioner tool
M52TU-5	Camshaft alignment tool
M52TU-6	Vanos compressed air fitting (U.S.standard)
M52TU-7	BMW (M42/ M50) camshaft alignment tool
M52TU-8	BMW (M50/ M52/ S50/ S52) sprocket extractor/ installer



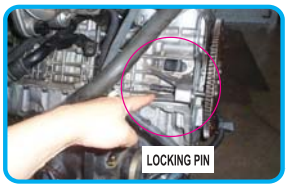
H.C.B-A1020 BMW CAMSHAFT ALIGNMENT TOOL

BMW 正時插銷 (全車系通用)

- To lock the fly-wheel and injection-pump pulley when changing timing chain or carrying out repairs.
- Application: M21, M40, M41, M42, M43, M43TU, M44, M47, M47TU, M50, M51, M52, M52TU, M54, M56, M57, M57T2, M57TU, M60, M62VAN, M62, M70, M73, S50B30, S50B32, S54 and S62.
- N.W.: 0.1 KG
- **BENZ OEM no. ref.:** 112300







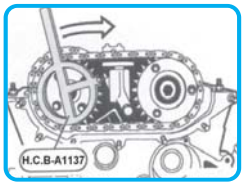
H.C.B-A1137 BMW (M50/M52/S50/S52) SPROCKET EXTRACTOR/INSTALLER

BMW (M50/M52/S50/S52) 正時齒輪拆裝器

- For turning sprockets when removing and installing vanos unit.
- Application: BMW Model M50/ M52/ S50/ S52.
- **BMW OEM no. ref.:** 115490







H.C.B-A1033 BMW (M42/M50) CAMSHAFT ALIGNMENT TOOL

BMW (M42/M50) 偏心軸正時工具

10 / 24 / 25 / 1.68'

- Align and hold the camshaft in position when assembling cylinder head and replacing timing chain.
- Use with camshaft alignment tool H.C.B-A1020 and rigid chain tensioner H.C.B-A1121-4
- Application: BMW (M42, M44, M50, M52, M52TU, M54, M56, S50US, S52US)
- **BMW OEM no. ref.:** 113240, 112300











H.C.B-A1121 BMW (M52TU/M54/M56) TIMING TOOL

BMW (M52TU/M54/M56) 雙可變汽門正時工具組

5 / 18.4 / 19.8 / 1.59'

- This kit contains the tools necessary to assemble and properly time the double VANOS camshaft adjustment unit found in 1998 and later 6 cylinder engines.
- **BMW OEM no. ref.:** 116150, 113292, 116180, 1193340, 118200, 113450



H.C.B-B1121 BMW (M52TU/M54/M56) TIMING TOOL

BMW (M52TU/M54/M56) 雙可變汽門正時工具組

5 / 15.7 / 17 / 1.59'

- This kit contains H.C.B-A1121-1, H.C.B-A1121-2, H.C.B-A1121-3, H.C.B-A1121-4, H.C.B-A1121-6
- **BMW OEM no. ref.:** 113 390, 113 392, 116 150, 113 450, 116 180.



H.C.B-A1121-1 BMW (M50TU/ M52TU/ M54/ M56) DOUBLE VANOS SETUP BRACKET

BMW (M50TU/ M52TU/ M54/ M56) 雙可變汽門工具

- Adjusting plate for setting valve timing on engine with double VANOS.
- Combine with H.C.B-A1033
- Application:
  M52TU engine (1999-2000 323i, 328i, 528i/1999-2002 Z3). M54 engine (2001-2005 325i,330i, 525i, 530i, X5 3.0i / 2001-2002 Z3 / 2003-2004 Z4 / 2004-2005 X3).





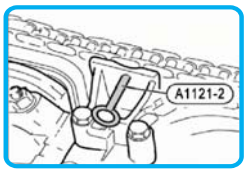


H.C.B-A1121-2 SECONDARY CHAIN TENSIONER LOCKING PIN

鏈條鬆緊器固定銷

- Lock chain tensioner during timing.
- Application: M50, M52



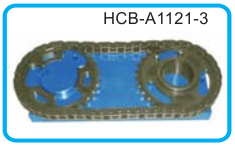


H.C.B-A1121-3 SECONDARY SPROCKET TOOL

扣鏈齒輪工具

- Use for preassembling secondary chain sprockets with chain on camshaft.
- Application: M52TU, M54, M56





H.C.B-A1121-4 PRIMARY CHAIN TENSIONER TOOL

鏈條鬆緊器

- Application: M52, M52TU, M54, M56





H.C.B-A1121-5 PULLER FOR CRANKSHAFT HUB

曲軸中心拉拔器

- Remove stuck vibraton damper hub in conjunction with H.C.B-A1133.
- Application: M52TU, M54, M56





H.C.B-A1121-6 VANOS COMPRESSED AIR FITTING (U.S. STANDARD) (OPTIONAL ACCESSORY)

氣壓連接頭 (美規) (選購配件)

- This fitting alows the functional testing of VANOS adjusting unit.
- Use to pressurize the single and double VANOS unit when checking or removing and replacing.
- Application: M50, M52, M52TU, M54, M56, N62



H.C.B-M62 BMW (M62) VANOS CAMSHAFT TOOL KIT

BMW (M62) 雙可變汽門正時工具組

3 / 23 / 24.1 / 2.39'



- **BMW OEM no. ref.:** 112 445, 112 441, 442, 112 446, 113 390, 112 300, 116 451, 116 452, 116 440, 116 420, 117 380, 113 310, 115 180.

Engine Code	Type	Size	Year/ Model
M60B30 30 8S 1	Non-Vanos	2997c.c	1993-1995 E34 530i
			1992-1994 E32 730i
			1994-1996 E38 730i
M60B40 40 8S 1	Non-Vanos	3982c.c.	1993-1995 E34 540i
			1992-1994 E32 740i
			1994-1996 E38 740i
			1992-1996 E31 840i
M62B35 35 8S 1	Non-Vanos	3498c.c.	1996-1998 E39 535i
			1996-1997 E38 735i
M62TUB35 35 8S 2	Single-Vanos	3498c.c.	1998-2002 E38 735i
			1997-2003 E39 535i
M62B44 44 8S 1	Non-Vanos	4398 c.c.	1996-1998 E39 540i
			1996-1998 E38 740i
			1996-1997 E31 840Ci
M62TUB44 44 8S 2	Single-Vanos	4398 c.c.	1998-2003 E39 540i
			1999-2001 E38 740i
			1999-2003 E53 X5 4.4i
M62B46 46 8S 1	Single-Vanos	4619c.c.	2001 -2004 E53 X5 4.6i
Range Rover V8/44 8S 2	Single-Vanos	4400c.c.	2003-2005 Range Rover (02) 4.4
Morgan M62		4398c.c.	2000-2004 Aero 8

H.C.B-A1245 BMW (M47T2/M54/M57TU/M57T2/M62/M62VAN/M67) TIMING PIN

BMW (M47T2/M54/M57TU/M57T2/ M62/M62VAN/M67) 正時插銷

- Align flywheel to TDC position.
- Application: BMW M47T2, M54, M57TU, M57T2, M62, M62VAN, M67
- **BMW OEM no. ref.:** 115 180

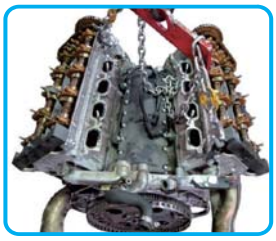


H.C.B-A1021 BMW (M60/M62) CAMSHAFT LOCKING FIXTURE

BMW (M60 / M62) 偏心軸正時

5 / 23 / 24 / 1.59'



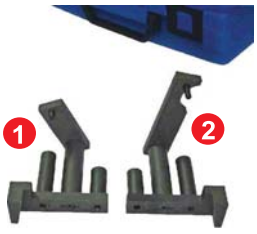


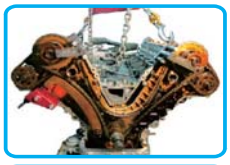
- Align and hold the camshaft in position when assembling cylinder head and replacing timing chain.
- Includes: 2 blocks swivel lock plate& locking pin for setting camshaft timing.
- Application: BMW M60&M62.
- **BMW OEM no. ref.:** 112445, 112441, 112442, 112446, 114230, 112300

H.C.B-B1021 BMW (M62) VANOS CAMSHAFT LOCKING FIXTURE

BMW (M62) VANOS 凸輪軸正時工具組

5 / 10.1 / 11.4 / 1.59'







- Lock camshaft sensor wheel in position when timing and assembly of V8 VANOS equipped engines.
- Include left and right bank locking fixtures.
- Application : M62 VANOS (1999-2002)
- **BMW OEM no. ref.:** 116452, 116451

H.C.B-C1021 BMW (M62) VANOS TIMING SOCKET

BMW (M62) VANOS 凸輪軸套筒

- For adjusting VANOS to left stop during assembly as well for adjusting valve timing.
- Engine: M62 VANOS (1999-2002)
- **BMW OEM no. ref.:** 116 440





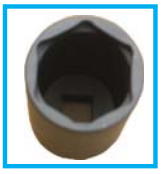
H.C.B-D1021 BMW (M62/M54) VANOS SOLENOID SOCKET

BMW (M62/M54) VANOS 電磁閥套筒

30 / 10.8 / 12.3 / 0.68'

- **BMW OEM no. ref.:** 116 420







H.C.B-E1021 BMW (M62) VANOS TENSIONING BRACKET

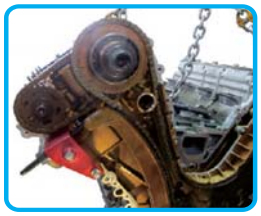
BMW (M62) VANOS 正時工具 - 托架

30 / 13.2 / 15 / 0.68'

- For screwing in chain tension with top right timing case cover removed.
- Engine: M62 VANOS
- **BMW OEM no. ref.:** 117 380

M22xP1.5





H.C.B-F1021 BMW (M62) SECONDARY CHAIN TENSIONER LOCKING SPRINGS (2 PCS/KIT)

BMW (M62) 鍊條鬆緊器固定彈簧

- For securing the camshaft chain tensioner.
- Application: BMW M62
- **BMW OEM no. ref.:** 113 310



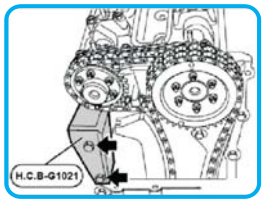


H.C.B-G1021 BMW (M60) VANOS TENSIONING BRACKET

BMW (M60) VANOS 正時工具 - 托架

- For screwing in chain tension with top right timing case cover removed.
- Engine M60 VANOS



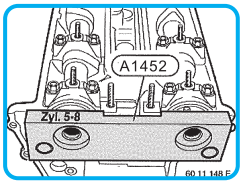


H.C.B-A1452 BMW (M60) CAMSHAFT INSERTION TOOL

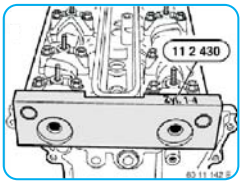
BMW (M60) 凸輪軸正時工具

- Used to check camshaft position after insertion.
- Application: BMW (M60)
- **BMW OEM no. ref.:** 112 430





Check installation position with A1452.
NOTE:Cylinder designation 5-8 on A1452 point upwards.



Check installation position with A1452.
NOTE:Cylinder designation 1-4 on A1452 point upwards.

H.C.B-A1088 BMW CAMSHAFT ALIGNMENT TOOL KIT

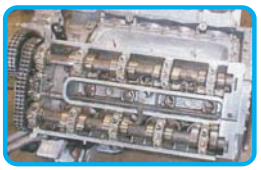
BMW 綜合正時工具組 (全車系)

4 / 29.4 / 30.6 / 1.8'







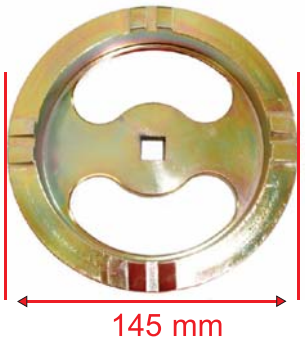


- For BMW engine models M42&M50: Include 2 blocks swivel lock plate & locking pin for setting camshaft timing.
- For BMW engine models M40 & M70: Include plate & locking pin for setting camshaft timing.
- For BMW engine models M60 & M62: Include 2 blocks swivel lock plate & locking pin for setting camshaft timing.
- **BMW OEM no. ref.:** 113 190, 112 300, 112 445, 112 441, 112 442, 112 446, 113 390, 113 240, 114 120

H.C.B-A1118 BMW (E36/E39/E46), BENZ (W211/W203), VW, EUROPEAN CARS FUEL TANK LID REMOVER/ INSTALLER

BMW (E36/E39/E46), BENZ (W211/W203), VW, 歐洲車種汽油油箱蓋拆裝器

20 / 21.7 / 24.2 / 1.03'



- Remove the tank while fixing or replacing the fuel tank.
- This tool will help you remove the tank lid easily.
- Application:
  BMW (E36/E39/E46), BENZ (W211/W203), BENZ ML 230(163 136), ML 320 (163154), ML 350(163 157), ML 430(163 172), ML 55 AMG(163 174), ML 500(163 175), VW European cars.





Separate tool



Extract BENZ fuel tank



Install

H.C.B-A1476 BMW MOTORCYCLE OIL FILTER WRENCH (75 mm)

BMW 機車機油芯扳手 (75 mm)



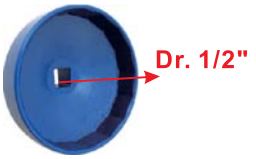


- Application: BMW motorcycle
- **BMW OEM no. ref.:** 114 660/661

H.C.B-A1130 BMW (N20/N26/N40/N42/N45/N46/N52/N55/N63) OIL FILTER WRENCH (Dr. 1/2", 16 POINTS, 86 mm)

BMW (N20/N26/N40/N42/N45/N46/N52/N55/N63)
機油芯扳手 (Dr. 1/2", 16 角 , 86 mm)

50 / 9.7 / 12 / 2.8'







- Dr. 1/2", 16 points, 86 mm
- Application: BMW (316i, 318i ab '01 etc), most all newer Volvo models S40 / V50 (2004.5 +), C70 (2006+), C30 (2008+).
  S80 (2007+) with 3.2 6-cyl or 3.0 T6, V70 / XC70 (2008+) with 3.2 6-cyl or 3.0 T6, XC90 (2007+) with 3.2 6-cyl, XC60 (2010+) with 3.2 6-cyl or 3.0 T6.
- Caution: Please use 27 mm socket with a wrench to manipulate the tool when the torque is over 25 Nm, otherwise the tool will risk being broken. The torque value value limit is 25 Nm if the tool is operated with a wrench.
- **BMW OEM no. ref.:** 119 240

H.C.B-N62&N73 BMW (N62/N73) TIMIING TOOLS

BMW (N62/N73) 正時工具組

3 / 15.5 / 16.5 / 2.6'

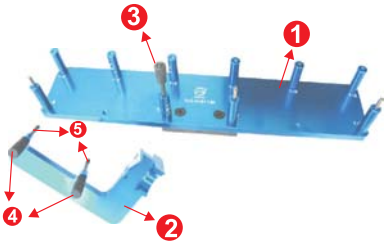


- Include: H.C.B-A1136-1, A1136-2, A1136-3, A1136-4, A1136-5, A1136-6, A1136-7, A1136-8, A1136-9, A1136-10 and A1136-11.
- **BMW OEM no. ref.:** 119461, 119452, 119340, 117270, 119451, 113460, 119454, 119453, 119190, 119462, 119463.

H.C.B-B1136 BMW (N62/N62TU/N73) CAMCARRIER TOOL KIT

BMW (N62/N62TU/N73) 凸輪軸托架工具組

- Include :
  H.C.B-B1136-1 Base plate
  H.C.B-B1136-2 Shaped section
  H.C.B-B1136-3 Knurled nut
  H.C.B-B1136-4 Retaining screws (2 PCS)
  H.C.B-B1136-5 Guide bushes (2 PCS)
- For securing inlet camshaft during installation in bearing bridge.
- **BMW OEM no. ref.:** 119 470



H.C.B-A1136 BMW (N62/N73) CAMSHAFT ALIGNMENT TOOL

BMW (N62/N73) 正時工具組

5 / 13.3 / 14.5 / 1.59'





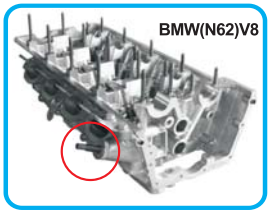
- **H.C.B-A1136-1&H.C.B-A1136-2 camshaft alignment tool**
  For locating camshaft in TDC position when checking or adjusting camshaft timing on BMW N62, N62TU, N73, E53 (X5 4.4i, 4.8is), E60(540i, 545i, 550i 0, E61(545i, 550i), E63 (645 Ci, 650), E64(645Ci, 650i), E65(735i, 740i, 745i, 750i, 760i, AlpinaB7), E66(735Li, 740Li, 745Li, 750Li, 760Li), E70(X5 4.8i).
- **H.C.B-A1136-3 Holder with Screw**
  For checking or adjusting camshaft timing on BMW N62, N62TU, N73.
- **H.C.B-A1136-4 Plug mandrel**
  For locking flywheel in TDC position on BMW N40, N42, N62, N62TU, N73.
- **BMW OEM no. ref.:** 119461, 119462, 119463, 119190, 119340, 117270, 119452, 119451, 119453, 119454, 113460

H.C.B-A1136-5 BMW (N20/N26/N40/N42/N45/N46/N52/N55/N62) CHAIN TENSIONER (OPTIONAL ACCESSORY)

BMW (N20/N26/N40/N42/N45/N46/N52/N55/N62) 鏈條鬆緊器 (選購配件)

- To tension primary chain.
- Short format for late model new generation engines.
- Application: BMW (N40/ N42/ N45/ N46/ N52/ N62)
- BMW V8 engine needs two set of H.C.B-A1136-5 in the same time.
- **BMW OEM no. ref.:** 119 340





H.C.B-A1136-6 BMW (N73) LEFT CYLINDER HEAD SOCKET

BMW (N73) 左側汽缸蓋拆裝套筒

- To remove and install the left cylinder head socket.
- Application: BMW N73



H.C.B-A1136-7 BMW (N62/N62TU/N73) GASKET & BOLT

BMW (N62/N62TU/N73) 墊圈 & 螺絲

- Height of A1136-7-1: 22.5 mm
- Size of A1136-7-2: M10.
- Screws A1136-7-1 and A1136-8 to oil pan by H.C.B-A1136-7-2.


7-1

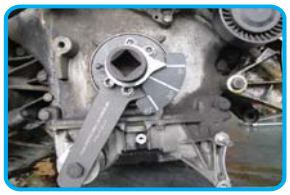

7-2

H.C.B-A1136-8 BMW (N62/N62TU/N73) FIXING CRANKSHAFT WRENCH

BMW (N62/N62TU/N73) 固定曲軸扳手

- Work with A1136-10 when removing/ installing crankshaft



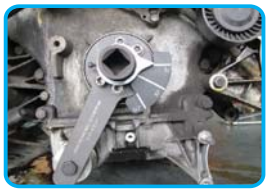


H.C.B-A1136-9 BMW (N62/N62TU/N73) ANGLE INDICATOR

BMW (N62/N62TU/N73) 角度指針

- Indicate the angle on A1136-11
- Use A1136-10 to fix this tool





H.C.B-A1136-10 BMW (N62/N62TU/N73) SOCKET (27 mm)

BMW (N62/N62TU/N73) 套筒 (27 mm)



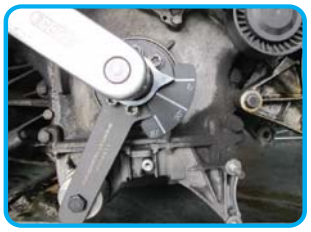


H.C.B-A1136-11 BMW (M60/M62/M73/N62/N62TU/N73) ANGLE POSITION GAUGE

BMW (M60/M62/M73/N62/N62TU/N73) 角度盤

- Graduated disk for mounting on counter holder on for torque central bolt.
- Application: BMW M60, M62, M73, N62, N62TU, N73





H.C.B-C1136 BMW (N62/N73) VALVETRONIC TORSION LEVER

BMW (N62/N73) 汽門彈簧扭轉扳手

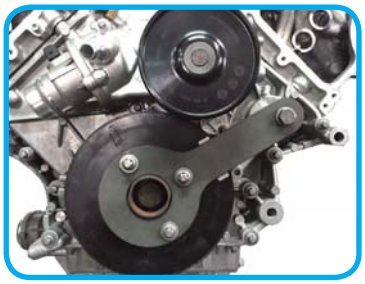
- Used to pretension and relieving the valvetronic torsion springs.
- Application: BMW N62/N73
- **BMW OEM no. ref.:** 119 480



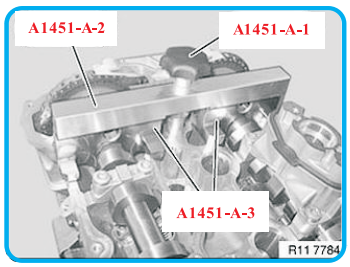
H.C.B-B1451 BMW (N63/N74/S63) TIMING TOOLS

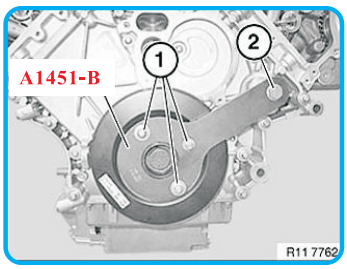
BMW (N63/N74/S63) 正時工具組

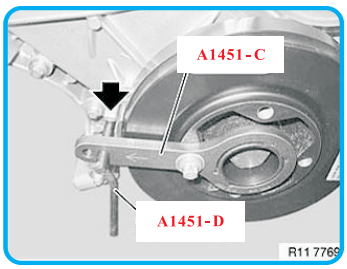
Parts No.	**BMW OEM no. ref.**	Description
A1451-A	119 890	Gauge
A1451-B	118 090	Brace
A1451-C	118 570	Alignment Tool
A1451-D	119 190	Plug Mandrel
B1451-E	83302249162 (#2249162)	Camshaft Timing Tool











H.C.B-A1451 BMW (N63/N74/S63) TIMING TOOLS

BMW (N63/N74/S63) 正時工具組

Parts No.	**BMW OEM no. ref.**	Description
A1451-A	119 890	Gauge
A1451-B	118 090	Brace
A1451-C	118 570	Alignment Tool
A1451-D	119 190	Plug Mandrel

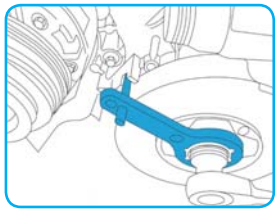


H.C.B-A1593 BMW (N63/S63) CAMSHAFT ALIGNMENT TOOL KIT

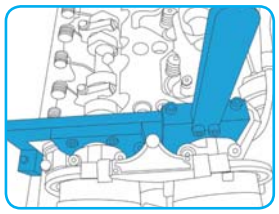
BMW (N63/S63) 凸輪軸正時工具組



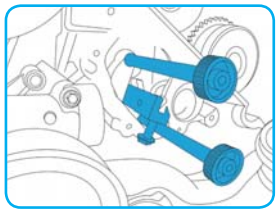
- Special designed to locate the camshaft in TDC position.
- For checking and adjusting the timing chain tensioner.
- Application: Application: N63 engine (After Sep. 2012) F02/ 760LI (2011/9-)
  For BMW S63 Engine:
  S63B44O0
  E70 X5M (2010-2013)
  E71 X6M (2010-2013)
  Wiesmann GT MF5 (2011-present)
  F02 760 LI (2011/9-present)
  S63b44T0
  F10 M5 (2011-present)
  F12 M6 (2012-present)
  F13 M6 (2012-present)
  F06 M6 Gran Coupe (2013-present)



- The S63 is BMW Motorsport division version of the N63, which is debuted in the BMW X6M.
  The S63 uses two twin-scroll turbochargers plus a pulse tuned, cross-engine exhaust manifold to keep constant exhaust pulses flowing to the turbo S at every 180 degree rotation.
  Special designed to locate the camshaft in TDC position for checking and adjusting the timing chain tensioner.



- **BMW OEM on. ref. :**
  83302249117 (#2249117)
  83302249140 (#2249140)
  83302249144 (#2249144)
  83302249159 (#2249159)
  83302249162 (#2249162)
  11 8 570 Vibration Damper Lock
  11 9 190 Plug Macdrel / Timing Pin

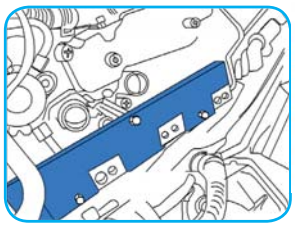


H.C.B-A1656 BMW (N63/S63/N43) INJECTOR REMOVAL TOOL KIT

BMW (N63/S63/N43) 噴油嘴拆卸工具



- Used for removing stuck injectors on BMW N63/S63/N43 engines.
- Application: N63(2008-2012)/ S63/N43 engine,
- **BMW OEM no. ref.:**130 83 300 496 752
  130 300(83 30 0 496 752)



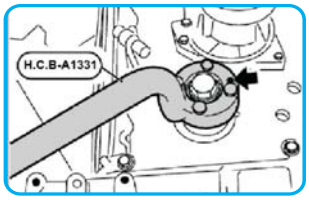


H.C.B-A1331 BMW (M60/M62) CRANKSHAFT PULLEY HOLDING TOOL

BMW (M60/M62) 曲軸支擋扳手

- To hold crankshaft and remove central bolt.
- Application: M60, M62, Range Rover V8 4.4 petrol engine
- Works with H.C.B-A1136-11
- **BMW OEM no. ref.:** 112450.



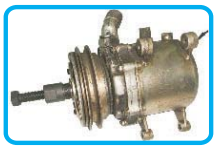


H.C.B-A1204 BMW A/C COMPRESSOR CLUTCH REMOVER

BMW 冷氣壓縮機離合器拆卸器

- To remove the plate of clutch.
- Application: Most of BMW cars





H.C.B-A1138 BMW WINDSHIELD WIPER ARM REMOVER

BMW 雨刷臂拆卸工具組

30 / 16.4 / 18 / 0.68'

- To remove BMW serial models windshield wiper arm.
- Support arms are adjustable to fit variety of automobiles.
- Easy to use. Save your time.
- Application: E12, E21, E23, E24, E28, E30, E30/C, WAGON E30, E31, E32, E32/3, E34, WAGON E34, E36, E36/2, E36/3, E36/5, E36/7, E36/C, WAGON E36, E38, E38/3, E39, E39PL, WAGON E39, E46, E46/16, E46/2, E46/3, E46/5, E46/C, E52, E53, E60, E65, E66, E67, E85, RR1.





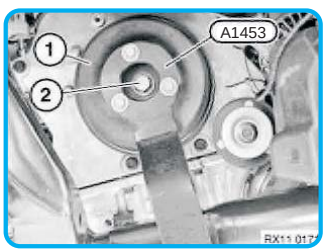


H.C.B-A1453 BMW (W11/W17) CRANKSHAFT HOLDING TOOL

BMW (W11/W17) 曲軸支擋扳手

- For the vibration damper when releasing and tightening down the central bolt.
- Applicable engine: R50 (W17) 2002-2006, R52 (W11) 2003-2008, R53 (W11) 2001-2007.
- **BMW OEM no. ref.:** BMW 118 460





H.C.B-A1133 BMW (M52TU/M54/M56) CRANKSHAFT HUB LOCKING TOOL

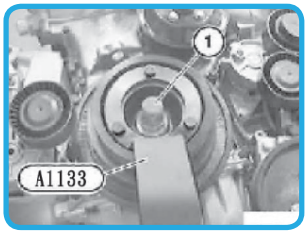
BMW (M52TU/M54/M56) 曲軸支擋扳手

6 / 22.4 / 26.4 / 2.65'

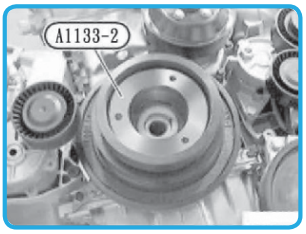




- Use H.C.B-A1133-1 with vibration damper braces H.C.B-A1133-2 to release and tighten the center retainer bolt.
- Application: 6 Cylinder Engines M52TU, M54, M56



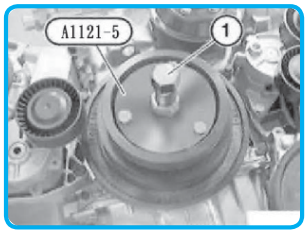
1. Put HCB-A1133 in the pulley to exttract screw (1) and washer by fixing the pulley and by driving the wrench.



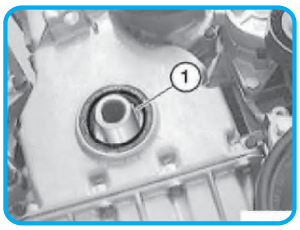
2. In Order To Extract The Pullet, Put In HCB-A1133-2 to 1 of the picture in step 2.



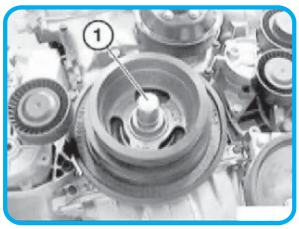
3. Then Combine HCB-A1121-5 and HCB-A1133-2



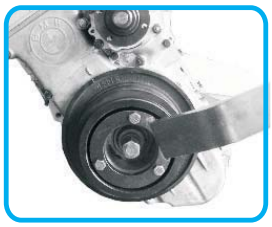
4. Finshing the combination of HCB-A1121-5 and HCB-A1133-2.



5. Pulley is extracted.



6. Put new screw (1) and washer.



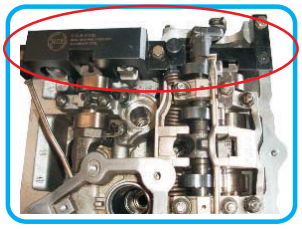
7. Use HCB-A1133 to fix screw into the pulley.

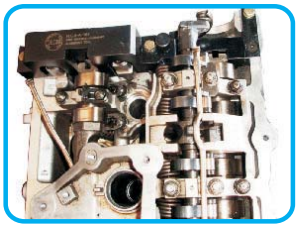
H.C.B-A1156 BMW (N42/N46/N46T) CAMSHAFT ALIGNMENT TOOL

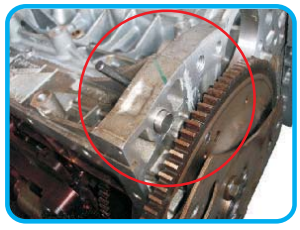
BMW (N42/N46/N46T) 正時工具組

5 / 11.2 / 12.5 / 1.59'









- This tool is a gauge for fixing the camshaft at the TDC position.
- To dismantle and assemble intake and exhaust camshaft.
- Application: BMW (N42/N46)
- H.C.B-A1156-1
  BMW (N42/N46) EXHAUST CAMSHAFT SETTING PLATE
  BMW OEM no. ref.: 119290/291
- H.C.B-A1156-2
  BMW (N42/N46) INLET CAMSHAFT SETTING PLATE
  BMW OEM no. ref.: 119290/292
- H.C.B-A1156-3
  BMW (N42/N46) FIXING SCREW
  BMW OEM no. ref.: 119290/293
- H.C.B-A1156-4
  BMW (N40/N42/N62TU/N62/N73) FLYWHEEL TDC LOCKING PIN
  BMW OEM no. ref.: 119190

H.C.B-A2080 BMW (E31/E38/E39) WIPER LINKAGE ASSEMBLY SOCKET (T80)

BMW (E31/E38/E39) 雨刷連桿組套筒 (T80)





- Requirement:
  Windshield wiper arm removed.
  T80 (1/2" SQUARE DRIVE EXPERT DRAPER TX STAR IMPACT SOCKET BIT)
- For removing and installing BMW (E31, E38, and E39) wiper linkage assembly.
- Used in counjuction with H.C.B-A1138.
- Application: E12, E21, E23, E24, E28, E30, E30/C, WAGON E30, E31, E32, E32/3, E34, WAGON E34, E36, E36/2, E36/3, E36/5, E36/7, E36/C, WAGON E36, E38, E38/3, E39, E39PL, WAGON E39, E46, E46/16, E46/2, E46/3, E46/5, E46/C, E52, E53, E60, E65, E66, E67, E85, RR1…ETC.



H.C.B-A1156-5 BMW (N42/N46/N46T) INTAKE/EXHAUST CAMSHAFT GAUGE

BMW (N42/N46/N46T) 進 / 排氣前凸輪固定座

- For disassembling or realigning the camshaft.
- Application: BMW (N42/N46)





H.C.B-A1156-6 BMW (N42/N46/N46T) CAMSHAFT TURNING WRENCH

BMW (N42/N46/N46T) 旋轉凸輪軸扳手

- Used to turn camshaft.
- Application: BMW N42, N46. N46T

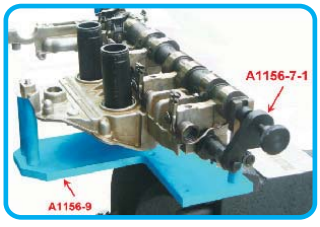


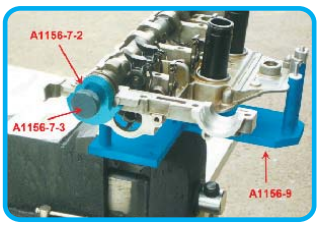


H.C.B-A1156-7 BMW (N42/N46/N46T) INLET CAMSHAFT FIXTURE

BMW (N42/N46/N46T) 偏心軸 / 凸輪軸固定支架







- Fixing the camshaft to the bracket.
- Application: BMW N42, B46, N46T

H.C.B-A1156-8 BMW (N42/N46/N46T) INTERMEDIATE LEVER CLAMP

BMW (N42/N46/N46T) 中間槓桿固定夾

- Clamping the intermediate lever.
- Application: BMW N42, N46, N46T





H.C.B-A1156-9 BMW (N42/N46/N46T) CAMSHAFT BRACKET MOUNTING FIXTURE

BMW (N42/N46/N46T) 凸輪軸拆裝托架

- Assembling this tool and clamping it by a suitable vice.
- Application: BMW N42, N46, N46T



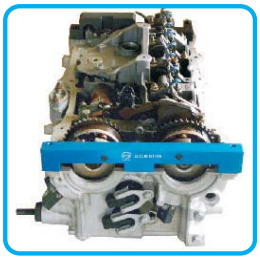


H.C.B-A1156-10 BMW (N42/N46/N46T) INTAKE/ EXHAUST CAMSHAFT GAUGE

BMW (N42/N46/N46T) 進 / 排氣前凸輪固定座

- For removing and installing intake and exhaust camshaft adjustment unit.
- Application: BMW N42, N46, N46T.



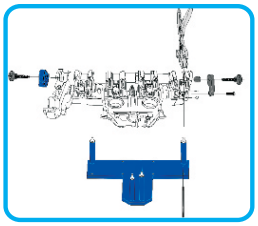


H.C.B-A1156-11 BMW (N42/N46/N46T) TORSION SPRING REMOVER/INSTALLER

BMW (N42/N46/N46T) 扭力彈簧拆卸器





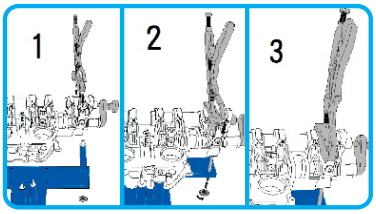




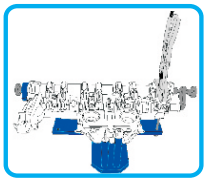
H.C.B-A1156-12 BMW (N42/N46/N46T) SPRING REMOVAL / INSTALLATION PLIERS

BMW (N42/N46/N46T) 扭轉彈簧鉗

- An assistant to remove/ install the spring on the cylinder head of camshaft.
- Before removing the spring, fix A1156-12 in the positioned plate and loosen the bolt.
- Open A1156-12 carefully, unloaded the spring and take it off.
- Close A1156-12 to tighten the spring while installing it. Then match the bolt to hole, and locked.
- Application: BMW N42/ N46.







H.C.B-B1156 BMW (N42/N46/N46T) PETROL TIMING TOOL KIT

BMW (N42/N46/N46T) 正時工具組

5 / 19.5 / 20.5 / 2.02'

- Using with H.C.B-C1156. This kit includes H.C.B-A1156-1, H.C.B-A1156-1-1, H.C.B-A1156-2, H.C.B-A1156-3, H.C.B-A1156-4, H.C.B-A1156-6, H.C.B-A1156-10 and H.C.B-A1136-5.
- For timing, checking and adjusting the twin camshaft on petrol engine.
- For removing, installing and aligning of Vanos unit.
- Application: BMW
  E87 (1 Series): 118i / 120i N46 engine
  E46 (3 Series): 316i / 316Ti / 318i / 318Ti (01-) N42/N46 engine
  E90/E91: 318i / 320i N46 engine
  E85: Z4, 2.0L – N46 engine
  E83: N46 engine



H.C.B-C1156 BMW (N42/N46/N46T) CAMSHAFT CARRIER BRACKET REMOVAL/ INSTALLTION TOOL KIT

BMW (N42/N46/N46T) 正時工具組

3 / 14 / 15.2 / 3.28'

- Used with H.C.B-B1156.
- This kit includes H.C.B-A1156-7, H.C.B-A1156-8, H.C.B-A1156-9, H.C.B-A1156-11.
- For installation, removal and timing of variable camshaft timing unit / camshafts.
- For checking and adjustment of camshaft timing.
- Application: BMW: E87 (1 Series): 118i / 120i – N46 engine
  E46 (3 Series): 316i / 316Ti / 318i / 318Ti (01-) – N42/N46 engine
  E90/E91: 318i / 320i – N46 engine
  E85: Z4, 2.0l – N46 engine
  E83: N46 engine



H.C.B-A1188&A1188-3 BMW (N51/N52) TIMING TOOLS & PLUG MANDREL

BMW (N51/N52) 正時工具組附插銷

4 / 23.3 / 24.2 / 3.28'

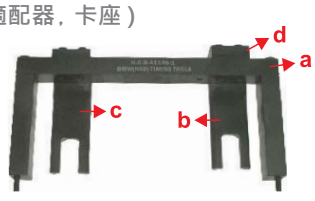
- The kit includes:
  H.C.B-A1188-1, H.C.B-A1188-2, H.C.B-A1188-3

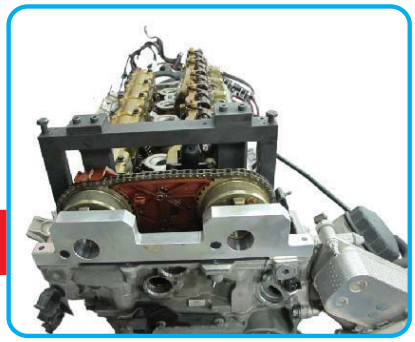


H.C.B-A1188-1 BMW (N51/N52) CAMSHAFT ALIGNMENT TOOL

BMW (N51/N52) 正時工具 (含量規，適配器，卡座)

- For locating camshaft at the TDC position
- Application : BMW N51, N52





H.C.B-A1188-2 BMW (N51/N52) CAMSHAFT FIXING BASE

BMW (N51/N52) 凸輪軸固定座

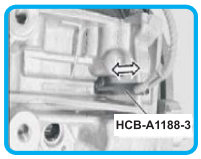


H.C.B-A1188-3 BMW (N51/N52/N52K/N53/N54) PLUG MANDREL

BMW (N51/N52/N52K/N53/N54) 正時插銷

- For locking flywheel in TDC position on BMW N51, N52, N52K, N53, N54.
- Turn crankshaft to TDC position while central bolt moves.
- Put HCB-A1188-3 into calibrate hole (arrow ahead) and fixed crankshaft.
- Attention:
  1. There is a big hole for positioning TDC position nearby calibrate hole.
  2. When HCB-A1188-3 stayed in calibrate hole and locked flywheel, it is impossible to move engine through central bolt.







H.C.B-A1188-4 BMW (N53/N54) CAMSHAFT FIXING BASE

BMW (N53/N54) 凸輪軸固定座

- To align the camshaft.
- Application: BMW (N53/N54)





H.C.B-B1188 BMW (N51/N52/N52K/N53/N54) TIMING TOOLS

BMW (N51/N52/N52K/N53/N54) 正時工具組

H.C.B-I1188 BMW (N51/N52/N52K/N53/N54/N55) TIMING TOOL KIT

BMW (N51/N52/N52K/N53/N54/N55) 正時工具組



< H.C.B - B1188 >



< H.C.B - I1188 >

- Camshaft alignment fixture used to align and retain the camshafts in the TDC position.
- H.C.B-B1188 can be use on N51/ N52/ N52K/ N53/ N54
- H.C.B-I1188 can be use on N51/ N52/ N52K/ N53/ N54/ N55
- Application:
  128i. E82 (07-08), 130i. E81/E87 (05-08), 135iS. E82 (07-08), 323i. E90/91/92/93 (04-08), 325i/xi. E90/91/92/93 (04-08), 328i/xi. E90/91/92/93 (04-08), 330i/xi. E90/91/92/93 (04-08), 335i/xi. E90/91/92/93 (04-08), 523i/Li. E60/E61 (04-08), 525i/Li/xi. E60/61 (04-08), 528i/Li/xi. E60/61 (06-08), 530i/Li/xi E60/61 (05-08), 535i/xi E60/61 (06-08), 630i. E63/64 (04-08), 730i/Li. E65/66 (04-08), X3 2.5/ 3.0. E83 (06-08), X5 3.0. E70 (06-08), Z4 2.5/3.0. E85/86 (05-08)
- Application engine:
  N51/N52/N52K Valvetronic, Direct Injection, Non-Valvetronic N53/N54 and N55
- **BMW OEM no. ref.:** 118 520/ 114 290/ 114 280/281/ 282/285/ 110 300/ 119 340/ 110 300

H.C.B-A1605 BMW (N20/N47/N54/N55/N57/N63) ENGINE FUEL INJECTOR REMOVAL / INSTALLATION TOOL KIT
BMW (N20/N47/N54/N55/N57/N63) 引擎噴油嘴拆裝工具 (綜合組)

H.C.B-A1526 BMW (N55) FUEL INJECTOR REMOVAL/ INSTALLATION TOOL
BMW (N55) 噴油嘴拆裝工具

H.C.B-A1539 BMW (N20/N55) FUEL INJECTOR REMOVAL/ INSTALLATION TOOL
BMW (N20/N55) 柴油噴油嘴拆裝工具

H.C.B-A1587 BMW (N63) FUEL INJECTOR REMOVAL/ INSTALLATION TOOL
BMW (N63) 噴油嘴拆裝工具

H.C.B-A1590 BMW (N54) FUEL INJECTOR REMOVAL TOOL
BMW (N54) 噴油嘴拆卸工具

FUEL INJECTOR REMOVAL/INSTALLATION TOOL

- This tool is designed fo the removal and installation of the fuel injector

H.C.B-A1605 is used on BMW N20/N47/N45/N55/N57/N63 engine — **BMW OEM no. ref.:** 130180/130270/130320/2249115
H.C.B-A1526 is used on BMW N55 (Old Model car) of engine — **BMW OEM no. ref.:** 130 270
H.C.B-A1539 is used on BMW N20 and new N55 engine — **BMW OEM no. ref.:** 130 320
H.C.B-A1587 is used on BMW N63 engine — **BMW OEM no. ref.:** 2249115
H.C.B-A1590 is used on BMW N54 engine — **BMW OEM no. ref.:** 130 180

H.C.B-A1605



	Engine Model	BMW OEM no. ref.
1	N55	130 270
2	N20 / N55	130 320
3	N63	2249 115
5	N54	130 180
13	N47/N57	

H.C.B-A1590





H.C.B-A1526





H.C.B-A1539





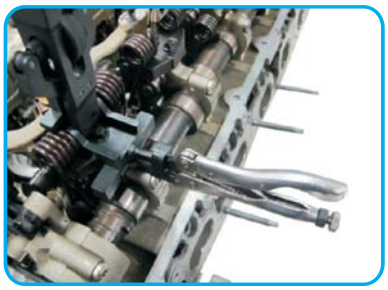
H.C.B-A1587



H.C.B-H1188 BMW (N20/N51/N52/N52K/N52T/N55) INTERMEDIATE VALVETRONIC LEVER TOOL

BMW (N20/N51/N52/N52K/N52T/N55) 汽門彈簧拆裝器





- Used for removing and installing the pressure spring for the intermediate levers on BMW (N20/ N51/ N52/ N52K/ N52T/ N55) engines.
- Fit the newer VVT spring block that is 58 mm wide.
- **BMW OEM no. ref.:** 117 110

H.C.B-A1556 BMW (N20/N26/N52/N55)/ MINI COOPER (N13/N16) VALVE PRESSURE SPRING REMOVER/INSTALLER

BMW (N20/N26/N52/N55)/ MINI COOPER(N13/N16) 汽門彈簧壓縮拆裝工具





- Application: BMW (N20/ N26/ N52/ N55) and MINI COOPER (N13/ N16)
- **BMW OEM no. ref.:** 117 110

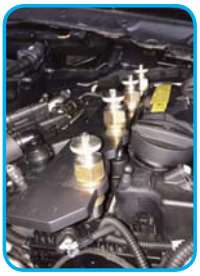
H.C.B-A1668 BMW (B38/ B48) FUEL INJECTOR REMOVAL / INSTALLATION TOOL KIT

BMW (B38/ B48) 噴油嘴拆裝工具組

- This tools is designed for the removal and installation of the injector.
- Applications: BMW B38/B48 engine
- **BMW OEM No.ref.:** 83 30 2 385 417









Part No. 13 53 7 639 990

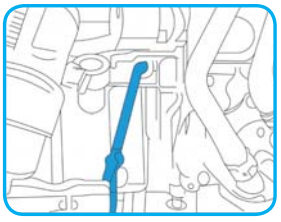
H.C.B-A1704 BMW (B38/B48) TIMING TOOL KIT

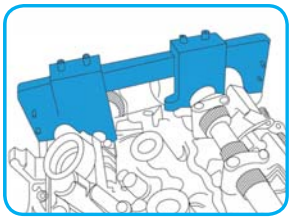
BMW (B38/B48) 正時工具組

- This kit is designed for locking crankshaft and camshafts in timing position while servicing BMW B38/B48 engine.
- Application: BMW B38, B48 engine.
- **BMW OEM No.:** 2 358 122, 2 288 380







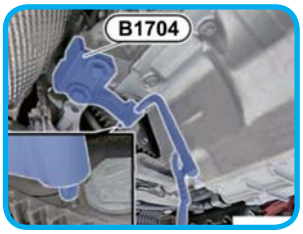


H.C.B-B1704 NEW BMW (B38/B48) CRANKSHAFT ALIGNMENT TOOL

BMW (B38/B48) 曲軸正時工具

- For setting the crankshaft at TDC. (longitudinal installation with automatic transmission only).
- **BMW OEM No. ref.:** 2 365 488



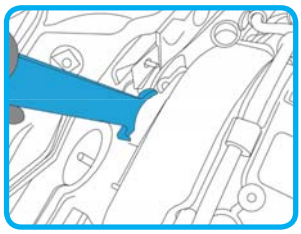


H.C.B-C1704 NEW BMW (B38/B48) ACTUATOR REMOVER/ INSTALLER

BMW (B38/B48) 進 / 排氣控制器拆裝工具

- For removal and installation of the magnetic actuator.
- **BMW OEM No. ref.:** 2 360 895



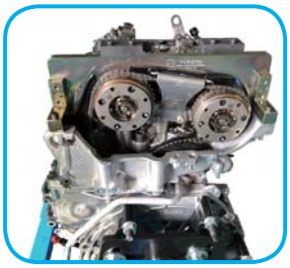


H.C.B-D1704 NEW BMW (B38/B48) TIMING TOOL KIT

BMW (B38/ B48) 正時工具組

- Designed for locking crankshaft and camshafts in timing position while servicing BMW B38/B48 engine.
- For setting the crankshaft at TDC. (Longitudinal installation with automatic transmission only). Application: BMW B38, B48 engine.
- **BMW OEM No.:** 2 358 122, 2 288 380,2 365 488





H.C.B-G1188 ON CAR BMW (N55/ S55) TIMING TOOL KIT

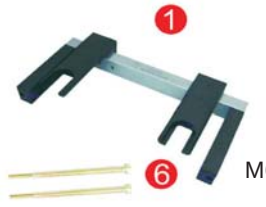
BMW (N55/ S55) 正時工具組

- This tool is used to lock the camshaft in top Dead Center (TDC) when adjusting the valve timing.
- Application: BMW N55/ S55
- **BMW OEM no. ref.:** 114 280/281/282/285/290、119 340、110 300





H.C.B-G1188-1&6 BMW (N55) CAMSHAFT GAUGE



M6xP1.0x146L

BMW (N55) 凸輪軸固定座

- This tool is used to lock the to TDC when adjusting the valve timing.
- **BMW OEM no. ref.:** 114 281/282/285

H.C.B-G1188-2&5&7 BMW (N55) CAMSHAFT FIXING BASE



BMW (N55) 凸輪軸固定座

- For disconnecting camshaft sensor gears.
- **BMW OEM no. ref.:** 114 281/282/285

H.C.B-G1188-3 BMW (N51/N52/N52K/N53/N54/N55) PLUG MANDREL



BMW (N51/N52/N52K/N53/N54/N55) 正時插銷

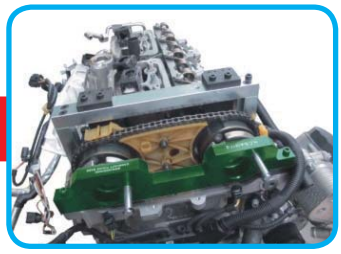
- For locking flywheel in TDC position on BMW N51, N52, N52K, N53, N54, N55
- **BMW OEM no. ref.:** 110 300

H.C.B-A1517-1&5&6 BMW (N20/N26) CAMSHAFT LOCKING TOOL



BMW (N20/N26) 凸輪軸正時工具

- This tool is used to fix the camshaft in top dead center position.
  1.Support bar
  2.Intake locking mechanism
  3.Exhaust locking mechanism
- **BMW OEM no. ref.:** 83 30 2 212 831



With 1st cylinder in TDC firing position, cams of exhaust camshaft point upwards at an angle.

H.C.B-A1517-2&7 BMW (N20/N26) CAMSHAFT FIXING BASE



BMW (N20/N26) 凸輪軸固定座

- This tool is used to fix the VANOS encoder wheel in top dead center position.
- **BMW OEM no. ref.:** 83 30 2 212 830

H.C.B-A1517-3 BMW (N20/N26) ALIGNMENT PIN



BMW(N20/N26) 正時插銷

- This alignment pin is used to fix the engine flywheel at top dead center.
- **BMW OEM no. ref.:** 83 30 2 219 548

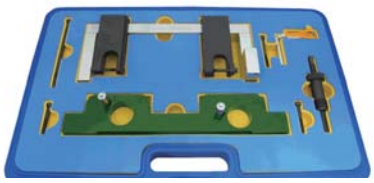


Rotate crankshaft at central bolt into TDC position.Slide in A1517-3 into dowel hole and secure crankshaft.

H.C.B-A1517 BMW (N20/N26) TIMING TOOL KIT

BMW (N20/N26) 正時工具組

Layout ID	Item no	Description	BMW OEM no. ref.:
1	A1517-1	BMW(N20/N26) CAMSHAFT LOCKING TOOL	83 30 2 212 831
2	A1517-2	BMW(N20/N26)CAMSHAFT FIXITING BASE	83 30 2 212 830
3	A1517-3	BMW(N20/N26) ALIGNMENT PIN	83 30 2 219 548
4	A1136-5	BMW (N40, N42, N45, N46, N52, N55,N62) CHAIN TENSIONER	119 340
5	A1517-5	M6 x P 1.0x L: 130mm	
6	A1517-6	M6 x P 1.0x L: 60mm	
7	A1517-7	M6 x P 1.0x L: 45mm	



H.C.B-E1188 BMW (N51/N52) EXHAUST CAMSHAFT UPPER AND LOWER BEARING STRIP FIXTURE REMOVAL/ INSTALLATION TOOL KIT

BMW (N51/N52)
排氣凸輪軸上下支撐條固定拆裝工具組

- For removing and installing or updating the exhaust camshaft.
- Application: BMW N51/ N52
- This tool must be combined with H.C.B-A1188-1 and A1188-2

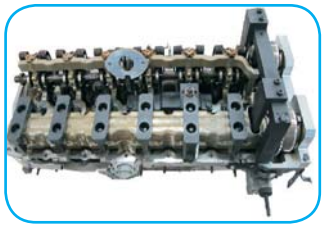


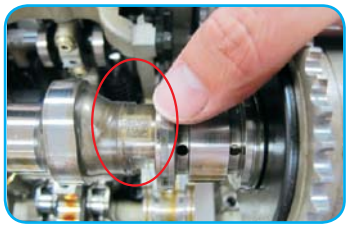


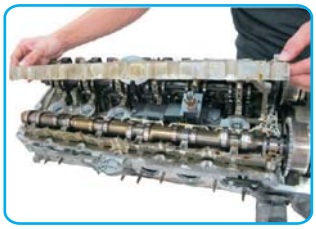


Camshaft putting

PARTS	Description	BMW OEM no. ref.:
E1188-1	Press-down tool, 2nd cylinder	114 461
E1188-2	M7 screws(2 PCS)	114 462
E1188-3	Thrust pieces (6 PCS)	114 463









H.C.B-A1550 BMW (N54/N54T) EXHAUST CAMSHAFT REMOVAL/ INSTALLATION TOOL

BMW (N54/N54T) 排氣凸輪軸上下支撐條固定拆裝器

- For holding the bearing strips in place when fitting intake camshaft.
- H.C.B-A1550 is used on BMW (N54/N54T)
- **BMW OEM no. ref.:** 118 550/ 551





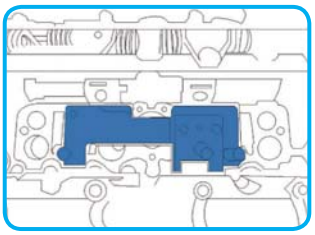


H.C.B-A1657 BMW (N55) EXHAUST CAMSHAFT TENSION TOOL

BMW (N55) 排氣凸輪軸固定工具

- This tool is used to press down the exhaust camshaft for a tension-free removal and installation.
- This tool must be combined with H.C.B-E1188.
- Application: N55
- **BMW OEM no. ref.:** 117 100 (83 30 0 496 672)

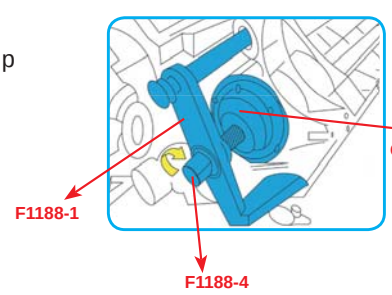




H.C.B-F1188 BMW (N51/N52) VACUUM PUMP SEALING CAP REMOVAL/ INSTALLATION TOOL KIT

BMW (N51/N52) 真空泵密封蓋拆裝器

- For removing and installing vacuum pump sealing cap.
- Application: BMW N51/N52
- **BMW OEM no. ref.:** 114360/110290



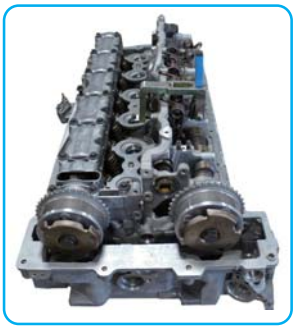


H.C.B-A1553 BMW (N20/N26/N55) FIXING TOOL

BMW (N20/N26/N55) 固定工具

- Application: BMW N20/N26/N55
- **BMW OEM no. ref.:** 114 450





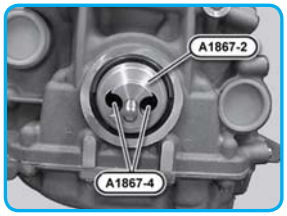
H.C.B-A1867 NEW BMW (N47/ N47S) CRANKSHAFT FRONT OIL SEAL INSTALLATION TOOL KIT

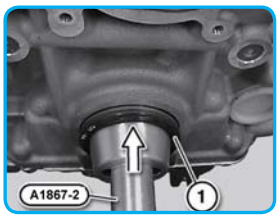
BMW (N47/ N47S) 曲軸前油封安裝工具組

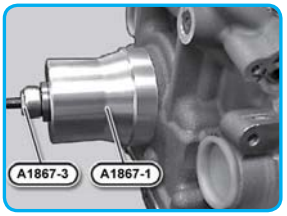
- For replacing the crankshaft front seal.
- Application: BMW N47/ N47S
- **BMW OEM no. ref.:** 118 810/ 811/ 812/ 813/ 815











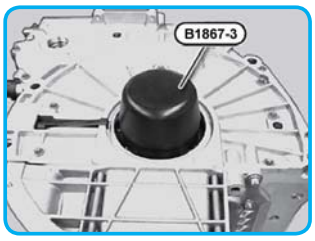
H.C.B-B1867 NEW BMW (N47/ N47S) CRANKSHAFT REAR OIL SEAL INSTALLATION TOOL KIT

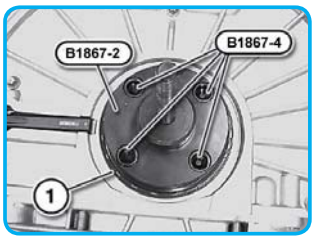
BMW (N47/ N47S) 曲軸後油封安裝工具組

- For replacing the crankshaft rear seal.
- Application: BMW N47/ N47S
- BMW OEM No. ref.: BMW 118 810







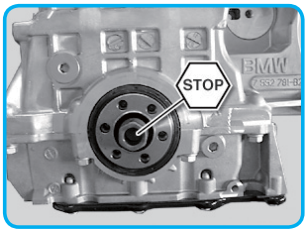


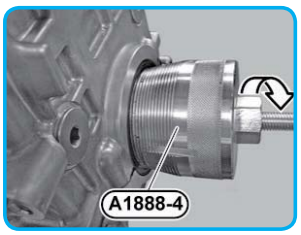
H.C.B-A1888 NEW BMW (N20/ N26) FRONT CRANKSHAFT SEAL REMOVAL/ INSTALLATION TOOL KIT

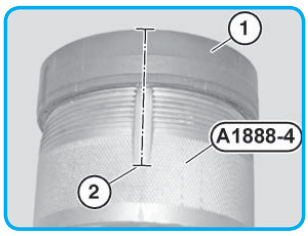
BMW (N20/ N26) 前曲軸油封拆裝工具組

- For replacing the front crankshaft seal.
- Applications: BMW N20/N26
- BMW OEM no. ref.: 110 371/ 110 372/ 2 212 822/ 119 231/ 119 233









H.C.B-A1438 BMW (N40/N42/N45/N45T/N46/N46T/N52/N53/N54) CRANKSHAFT FRONT/REAR OIL SEAL REMOVAL / INSTALLATION TOOL KIT

BMW (N40/N42/N45/N45T/N46/N46T/N52/N53/N54)
曲軸前後油封拆裝工具組

- Combine H.C.B-A1394 and H.C.B-C1188 as a master kit.
- For removing and installing the front and rear crankshaft seal.
- Application: N40/N42/N45/N45T/N46/N46T/N52/N53/N54



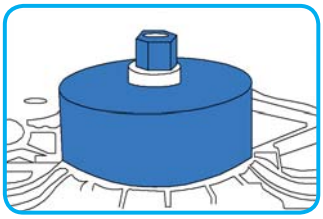
H.C.B-B1438

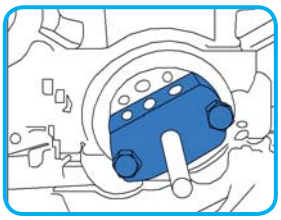
BMW (N40/N42/N45/N45T/N46/N46T/N52/N52K/N53/N54/N55) CRANKSHAFT FRONT/ REAR OIL SEAL REMOVAL/ INSTALLATION TOOL KIT

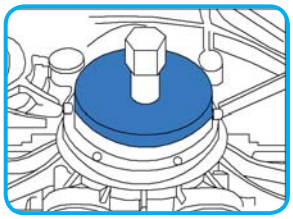
BMW (N40/N42/N45/N45T/N46/N46T/N52/N52K/N53/N54/N55)
曲軸前 / 後油封拆裝工具組

- For removing and installing the front and rear oil seal on crankshaft.
- Application: BMW (N40/N42/N45/N45T/N46/N46T/N52/N53/N54/N55)
- **OEM No.:** BMW 119 220/119 230/119 235









H.C.B-C1188

BMW (N40/N42/N45/N45T/N46/N46T/N52/N53/N54/N55) CRANKSHAFT REAR OIL SEAL REMOVAL/ INSTALLER KIT

BMW (N40/N42/N45/N45T/N46/N46T/N52/N53/N54/N55)
曲軸後油封拆裝工具組

- For removing and installing the rear oil seal on crankshaft
- Application: BMW (N40/N42/N45/N45T/N46/N46T/N52/N53/N54/N55)





H.C.B-C1188-2-1







Installation Step1



Installation Step2







H.C.B-C1188-1



H.C.B-C1188-2-2

H.C.B-C1188-2-3

M12xP1.5

H.C.B-C1188-2-4



H.C.B-A1394 BMW (N40/N42/N45/N45T/N46/N46T/N52/N52K/N53/N54) CRANKSHAFT FRONT OIL SEAL REMOVAL / INSTALLATION TOOL KIT

BMW (N40/N42/N45/N45T/N46/N46T/N52/N52K/N53/N54)
曲軸前油封拆裝工具組

- For removing and installing the front crankshaft seal.
- Application: BMW N40/ N42/ N45T/ N46/ N46T/ N52/ N53 /N54
- **BMW OEM no. ref.:** 119 220/ 116 230



H.C.B-C1394 BMW (N40/N42/N45/N45T/N46/N46T/N52/N52K/N53/N54/N55) CRANKSHAFT FRONT OIL SEAL REMOVAL / INSTALLATION TOOL KIT

BMW (N40/N42/N45/N45T/N46/N46T/N52/N52K/N53/N54/N55)
曲軸前油封拆裝工具組

- Used to loosen the seal for removal and installation of new front crankshaft seals.
- **BMW OEM no. ref.:** 110 370, 119 220, 119 230







REMOVAL



INSTALLATION





H.C.B-B1394 BMW (N55) CRANKSHAFT FRONT OIL SEAL REMOVAL/ INSTALLATION TOOL KIT

BMW (N55) 曲軸前油封拆裝工具組

- For removing and installing the front crankshaft seal.
- Application: BMW N55
- **BMW OEM no. ref.:** 119 220/ 119 230/ 119 235







REMOVAL



REMOVAL



INSTALLATION



INSTALLATION

H.C.B-A1437 BMW (M47/M47TU/S65/S85) OIL SEAL PULLER

BMW (M47/M47TU/S65/S85) 正時齒輪油封拔卸器

- To pull out the shaft sealing ring from the timing gear box cover.
- Application: BMW M47/M47TU/S65/S85
- **BMW OEM no. ref.:** 116 360/361



H.C.B-A1464 BMW (M47T2/M47TU/M57/M57D25/M57D30/M57T2/M57TU/M70/M73/S85) OIL SEAL PULLER

BMW (M47T2/M47TU/M57/M57D25/M57D30/M57T2/M57TU/M70/M73/S85)
正時齒輪油封拔卸器

- Apply to shaft sealing ring of the timing gear box cover.
- Application: BMW M47T2/ M47TU/ M57/ M57D25/ M57D30/ M57T2/ M57TU/ M70/ M73/ S85
- **BMW OEM no. ref.:** BMW 111 210

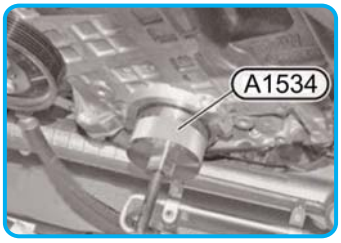


H.C.B-A1534 BMW (N54) FRONT ENGINE SEAL REMOVER

BMW (N54) 前引擎油封拆卸器

- Used to remove the front lower engine seal.
- **BMW OEM no. ref.:** 110 370/ 371





H.C.B-A1392 BMW (N40/N45/N45T) PETROL ENGINE TWIN CAMSHAFT SETTING/ LOCKING TOOL KIT

BMW (N40/N45/N45T) 正時工具組

- Suitable for timing 1.6 Litre BMW N40, N45 and N45T chain driven petrol engines with Vanos units on the inlet and exhaust camshafts.
- Engine Codes: N40, N45, N45T (B16)
- Application:
  BMW 116 1.6 i E81/E87 (03-09)
  316 1.6 i E46/E90 (01-08)
  316 1.6 Ci E46 (01-06)
  316 1.6 ti E46 (01-05)



H.C.B-A1659 BMW (S85) CLUTCH ALIGNMENT TOOL

BMW (S85) 離合器校正工具

- For M6 E63, M5 E60, E61 chassis - S85 engine.
- **BMW OEM no. ref.:** 83 30 0 495 136 (212 300)





H.C.B-S85 BMW (S85) CAMSHAFT ALIGNMENT TOOL KIT (E60/M5, E63/M6)

BMW (S85) 凸輪軸正時工具組 (E60/M5,E63/M6)

4 / 19.5 / 20.5 / 3.28'



- Include : HCB-A1250,B1250,C1250,D1250,E1250

H.C.B-A1250 BMW (S85) CAMSHAFT TIMING TOOL

BMW (S85) 凸輪軸正時工具

- This tool is for fixing the camshaft at the TDC position and used for dismatling and assembling intake and exhaust camshaft.
- Application: BMW engine models S85
- **BMW OEM no. ref.:** 115 300





H.C.B-B1250 BMW (S85) TIMING PIN

BMW (S85) 正時插銷

- Lock the crankshaft at the the TDC position.
- Application: S85
- **BMW OEM no. ref.:** 115 320





H.C.B-C1250 BMW (S85) VANOS CAMSHAFT GAUGE

BMW (S85) 量規

- Used for locking the camshaft at the TDC position
- **BMW OEM no. ref.:** 118 380



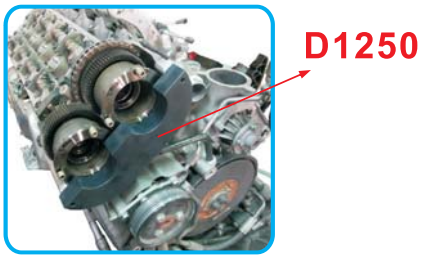


H.C.B-D1250 BMW (S85) VANOS CAMSHAFT GAUGE

BMW (S85) 量規

- Adjusting plate for setting valve timing on engine with double VANOS.
- **BMW OEM no. ref.:** 115 410





H.C.B-E1250 BMW (S85) VANOS TIMING SOCKET

BMW (S85) VANOS 凸輪軸套筒

- For adjusting VANOS during assembly as well as for adjusting valve timing.
- Application: S52B30, S50B32, S54, S85.
- **BMW OEM no. ref.:** 115 100



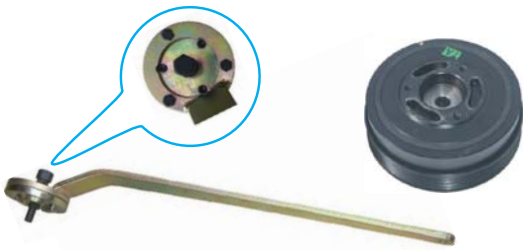


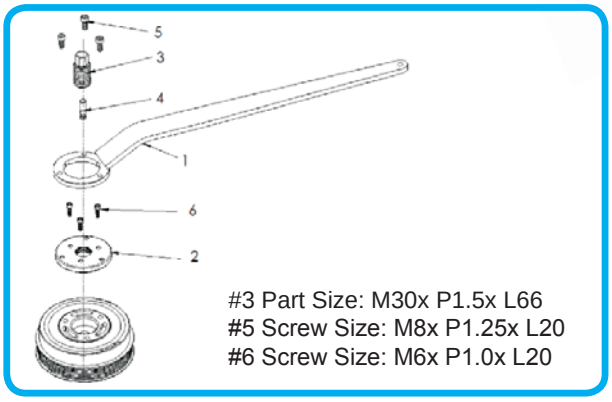
H.C.B-A1198 MINI COOPER (R53) VIBRATION DAMPER TOOL

MINI COOPER (R53) 曲軸支擋拔卸器

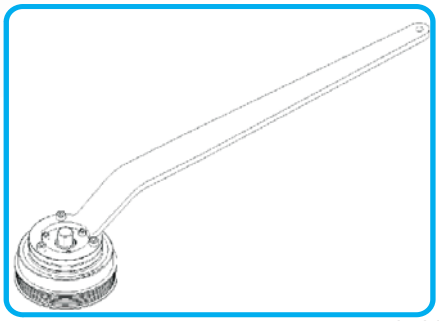
6 / 20.2 / 22 / 2.65'

- Genuine stock no.: BMW 1123 7525135
- Application: MINI COOPER engine-driven supercharging (R53)





#3 Part Size: M30x P1.5x L66
#5 Screw Size: M8x P1.25x L20
#6 Screw Size: M6x P1.0x L20



Step1: Use H.C.B-A1198-1, -2&-6 to hold pulley, and release the central bolt.
Step2: Tighten the part #3 and screw #5 then extract the pulley by wrench.

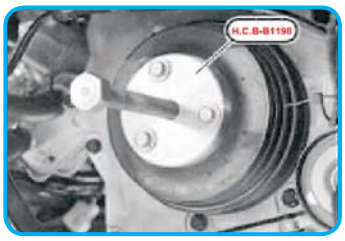
H.C.B-B1198 MINI COOPER (W11) CRANKSHAFT PULLEY PULLER

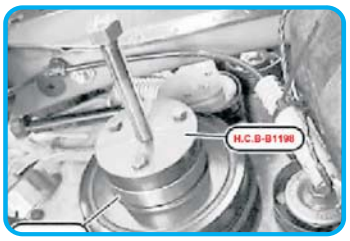
MINI COOPER (W11) 曲軸皮帶盤拔取工具組

- Use this tool to extract vibration damper.
- Combined with H.C.B-A1198 and H.C.B-C1198.
- Application: MINI COOPER (W11)
- **BMW OEM no. ref.:** 11 8 450



ITEM NO.	SPECIFICATION
B1198-1	Main Body
B1198-2	M12xP1.0xL120
B1198-3	M6xP1.0xL65





H.C.B-C1198 MINI COOPER (W11) CENTRAL HOLDING BOLT

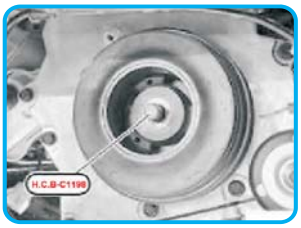
MINI COOPER (W11) 中心支撐螺絲

- Put this tool in the crankshaft when repairing.
- Combined with H.C.B-A1198 and H.C.B-B1198.
- Application: MINI COOPER (W11)
- **BMW OEM no. ref.:** 11 8 270



M12xP1.75





H.C.B-D1198 MINI COOPER (R53/W11) CRANKSHAFT PULLEY PULLER

MINI COOPER (R53/W11) 曲軸皮帶盤拔取器

Item No.	Name	Specification	Quantity
D1198-1	Main body		1
D1198-2	Central bolt	M12 x P1.0	1
D1198-3	Bolt	M8 x P1.25	3
D1198-4	Washer	M8	3
D1198-5	Bolt	M6 x P1.0	3
D1198-6	Washer	M6	3

- To extract crankshaft pulley, use D1198.
- Application: MINI COOPER R53 / W11









Genuine no.: 1123 7525135

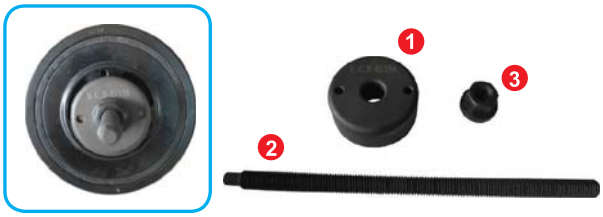
H.C.B-E1198 MINI COOPER (R53/W11) CRANKSHAFT PULLEY INSTALLER

MINI COOPER (R53/W11) 曲軸皮帶盤安裝器

Item No.	Name	Specification
E1198-1	Bearing base	
E1198-2	Bolt	M12 x P1.75
E1198-3	Nut	H19 x M12 x P1.75

- To install crankshaft pulley, use E1198.
- Application: MINI COOPER R53 / W11







Genuine no.: 1123 7525135

H.C.B-A1408 BMW (M47T2/M47TU/M57T2/M57TU) V-BELT INSTALLER

BMW (M47T2/M47TU/M57T2/M57TU) V 型皮帶安裝工具

- For installing the V-belt without causing damage.
- Application: BMW M47T2/M47TU/M57T2/M57TU
- Model :
  2009 - 2011 BMW - 335d
  2011 - 2013 BMW - X5 35d, xDrive
  2009 - 2010 BMW - X5 35d
- **BMW OEM no. ref .:** 110 330







H.C.B-A1540 BMW (N47/N57) VIBRATOR DAMPER LOCKING REMOVAL / INSTALLATION TOOL KIT

BMW (N47/N57) 曲軸支擋拆裝工具組

- This tool is designed for removing and installing vibrator damper.
- Application: BMW N47/ N57
- **BMW OEM no. ref.:** 117 221/ 222/ 223 and 116 480

H.C.B-A1540





H.C.B-A1542 BMW (E39/E46/E60/E61/E81/E83/E87/E90/E91) CRANKSHAFT HARMONIC BALANCER PULLEY HOLDER

BMW (E39/E46/E60/E61/E81/E83/E87/E90/E91) 曲軸支擋扳手

H.C.B-B1542 BMW (E39/E46/E60/E61/E81/E83/E87/E90/E91) CRANKSHAFT HARMONIC BALANCER PULLEY HOLDER (1/2")

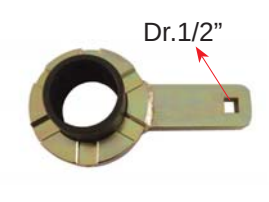
BMW (E39/E46/E60/E61/E81/E83/E87/E90/E91) 曲軸支擋扳手 (1/2")

BMW CRANKSHAFT HARMONIC BALANCER PULLER HOLDER





<H.C.B-A1542>



<H.C.B-B1542>



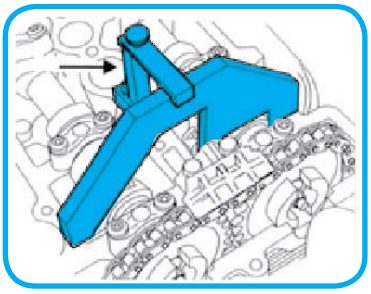
- Hold vibration damper when loosening and tightening center crankshaft bolt.
- Application:
  BMW E81 120d 163PS
  BMW E46 318d 116PS - 318td 115PS - 318dt 115PS - 318d 115PS - 320d 136PS - 320td 150PS - 320d 150PS
  BMW E90 318d 150PS - 320d 150PS - 320d 163PS
  BMW E91 318d 122PS - 320d 150PS - 320d 163PS
  BMW E39 520d 136PS
  BMW E60 520d 163PS - 520d 150PS
  BMW E61 520d 150PS - 520d 163PS
  BMW X3 E83 2.0d 150PS
  E87/118,120d
  E46/318d,320d
  E90,91/318,320d
  E60,61/520d
  E83/X3/2.0d
- **BMW OEM no. ref.:** 116310

H.C.B-A1262 BMW (M47/M57) DIESEL ENGINE CAMSHAFT ALIGNMENT TOOL

BMW (M47/M57) 柴油引擎正時工具組

20 / 24.2 / 25.2 / 1.9’





- Camshaft setting and flywheel locking tools covering the latest range of BMW 2.0 and 3.0 litre common rail diesel engines used in BMW and other manufacture’s models.
- Application: BMW 2.0 (M47) and 3.0 (M57) Diesel Engines in BMW 3, 5 & 7 Series, X5, Land Rover Free lander, Range Rover, Rover 75
- **BMW OEM no. ref. :** 116320,112300,116320,113340.

H.C.B-B1262 BMW (M41/M51/M47TU/M47T2/M57TU/M57T2) DIESEL TIMING TOOL KIT

BMW (M41/M51/M47TU/M47T2/M57TU/M57T2) 柴油引擎正時工具組

5 / 19.6 / 20.6 / 1.5'





- For installing and removing camshaft/ variable camshaft timing unit.
- For checking and adjustment of timing.
- Application: M41, M51, M47 - M47 TU/T2, M57 TU/T2 2.0L / 3.0L 1998-2008
- **BMW OEM no. ref.:** 116 080, 115 180, 135 192, 113 360, 135 190, 135 191, 135 120, 113 320, 112 300, 116 322, 113 340, 116 320

H.C.B-C1262 BMW DIESEL 2.5TDS TENSIONER LEVER

BMW 柴油 2.5TDS 正時鏈條壓縮器

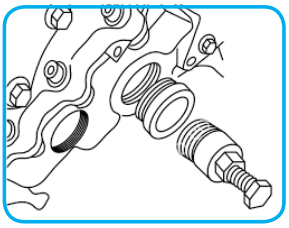
- To remove camshaft chain tensioner on BMW 2.5tds engines.
- This tool is positioned inside the cam timing chain cover and levered against the chain bow to press in the chain tensioner.
- Application:
  BMW M41/M51 Diesel Engines fitted in BMW 318tds, 325, 525, 725td/tds, Land Rover Range Rover 2.5DT/SE (After 94),Vauxhall/Opel Omega-B 2.5TD
- **BMW OEM no. ref.:** 113360.



H.C.B-D1262 NEW BMW (M47/ M57) DIESEL INJECTION PUMP PULLER

BMW (M47/M57) 柴油噴油嘴拔卸器





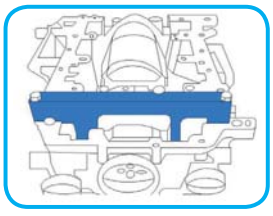
- Specifically designed for holding the sprocket/ chain in place when disassembling the VP44 Injection pump and high pressure pump common rail.
- Application: BMW M47/M47T2/M47TU/M57/M57TU BMW 318D | 320D (E46) 1988-2005 and 318TD | 320TD | 525D | 530D | 530 | 535 (E60-E61) 2000-2006 and Land Rover (TD4).
- **BMW OEM no.ref.:** 135 190/191/192, Land Rover LRT 12-178.

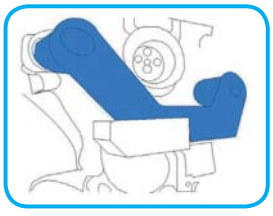
H.C.B-A1680 BMW (N47) BALANCE SHAFT TIMING TOOL KIT

BMW (N47) 平衡軸正時工具組









- This crankshaft alignment gauge is used to properly align the crankshaft at Bottom Dead Center (BDC).
- Application:
  BMW: X1 (E84), X3 (E83), X3 (F25), X5 (F15), 5 Series Gran Turismo (F07), 5 Series (F10/11), 4 Series Cabriolet (F33), 4 Series Coupe (F32), 4 Series Gran Coupe (F36), 5 Series (E60/61), 3 Series (E90/91/92/93), 3 Series (F30/31), 3 Series Gran Turismo (F34), 2 Series Coupe (F22), 1 Series (E81/82/87/88), 1 Series (F20/21), 1 Series (F20/21)
  Engine: 1.6, 2.0
- **BMW OEM No. ref.:** 118 750/118 790

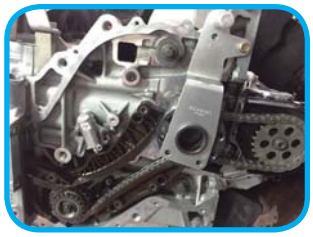
H.C.B-B1680 NEW BMW (N47/ N47S/ N57) TIMING TOOL KIT

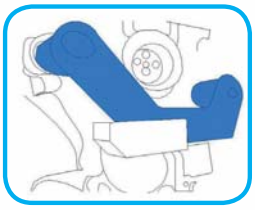
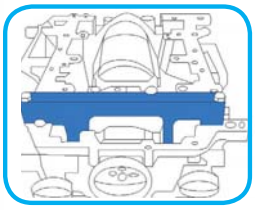
BMW (N47/N47S/N57) 正時工具組

Parts No.	Description	OEM No.
A1421-1	Flywheel Plate Timing Pin	115 320
A1421-2	Camshaft Alignment Tool	118 760
A1421-3	Crankshaft Pulley Turning Tool	116 480
A1421-4-1	Remover Socket	118 741
A1421-4-2	Hex Unit	118 742
A1421-5	Tensioner Locking Pins X 2	113 340
B1421	Crankshaft locking tool	114 320
A1680-1	Balance shaft timing tool	118 750
A1680-2	Balance shaft timing tool	118 790



- Include camshaft setting plate, flywheel locking pin and crankshaft turning tool.
- Also include HP pump sprocket retaining tool required during pump removal and replacement applications.
- This crankshaft alignment gauge is used to properly align the crankshaft at Bottom Dead Center (BDC).
- Application:
  BMW: X1 (E84), X3 (E83), X3 (F25), X5 (F15), 5 Series Gran Turismo (F07), 5 Series (F10/11), 4 Series Cabriolet (F33), 4 Series Coupe (F32), 4 Series Gran Coupe (F36), 5 Series (E60/61), 3 Series (E90/91/92/93), 3 Series (F30/31), 3 Series Gran Turismo (F34), 2 Series Coupe (F22), 1 Series (E81/82/87/88), 1 Series (F20/21), 1 Series (F20/21)
  Engine: 1.6, 2.0



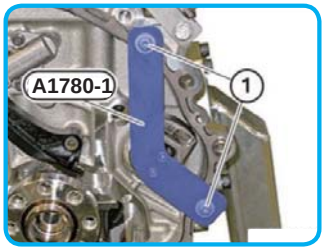



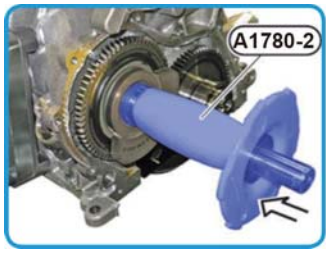
H.C.B-A1780 NEW BMW (B38/B48) COUNTER BALANCE SHAFT REMOVER/ INSTALLER

BMW (B38/B48) 平衡軸拆裝工具

- Designed for locking counterbalance shaft in timing position while servicing BMW B38/B38B engine.
- Application: BMW B38, B38B engine.
- **BMW OEM no. ref.:** 83 30 2 358 646
  83 30 2 288 943







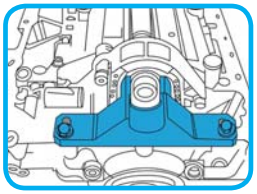
H.C.B-A1809 NEW BMW (N20) BALANCE SHAFT ADJUSTER

BMW (N20) 平衡軸調整器

- For fixing the balance shaft and holding chain sprocket for removing/ installing the oil pump or chain for sprocket repair.
- This kit includes 2 screws PH3 M6 x 1.0 hex drive size 10 (length: 26 mm)
- Application: BMW N20
- **BMW OEM no. ref.:** 83 30 2 318 117/ 83 30 2 212 825 114 120



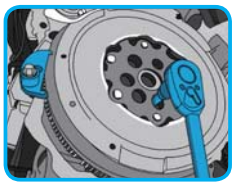




H.C.B-A1878 NEW BMW/ MINI (1.2/ 1.5/ 2.0/ 3.0 L) CRANKSHAFT TIMING TOOL KIT

BMW/ MINI (1.2/ 1.5/ 2.0/ 3.0 L) 曲軸正時工具組

- This is an engine timing support tool for BMW 1.2, 1.5, 2.0 petrol and diesel engines.
- Applications:
  BMW 2,5, i8, X3, X4 Series (2014-2017), 1, 3, 7, X1, X5 Series (2015-2017), 4 Series (2016-2017)
  Mini Hatch (2014-2017), Mini Clubman (2015-2017), Mini convertible (2016-2017)
- Engine codes: B37, B38, B47, B48 (1.2L, 1.5L, 2.0L)
- **BMW OEM no. ref.:** 116 480/ 119 811/ 119 265/ 114 180





H.C.B-D1421 BMW (N47/N57) CRANKSHAFT TIMING TOOL

BMW (N47/N57) 曲軸正時工具

- Mount the special tool on the crankshaft, screw in transmission bolt.
- Application engine code: N47 D20 01
- **BMW OEM no. ref.:** 2 285 671





H.C.B-C1421 BMW (2.0 N47/ 3.0 N57) DIESEL ENGINE TIMING TOOL

BMW (2.0 N57/3.0 N57) 柴油引擎正時工具

Parts No.	Description	BMW OEM no. ref.
A1421-1	Flywheel plate timing pin	115 320
A1421-2	Camshaft alignment tool	118 760
A1421-3	Crankshaft pulley turning tool	116 480
A1421-4-1	Remover socket	118 741
A1421-4-2	Hex unit	118 742
A1421-5	Tensioner locking pins x 2	113 340
B1421	Crankshaft locking tool	114 320



- Include camshaft setting plate, flywheel locking pin and crankshaft turning tool.
- Also include HP pump sprocket retaining tool required during pump removal and replacement applications.

H.C.B-B1421 BMW (2.0 N47/3.0 N57) DIESEL ENGINE CRANKSHAFT LOCKING TOOL

BMW (2.0 N47/3.0 N57) 柴油引擎曲軸固定工具



- This kit is necessary when the timing chain creaks (links damaged). The N47 engine family is prone to excessive timing chain wear and premature failure.
- Rattling noise from rear of the engine is indicative of the condition.
- Timing chain failure may call for engine replacement or a costly repair.
- The issue applies to all applications and power variants, from 2007 up to 2011 models.
- Without it, it's IMPOSSIBLE to replace:
  The oil pump chain, both timing chains, the gear of the high pressure pump and of the balancer shaft.



Without this tool the engine works irregularly.

- Application:
  BMW: 114d, 116d, 118d, 120d, 120d/xDrive, 123d, 125d, 316d, 318d, 320d, 320d/EfficientDynamics, 320d/xDrive, 325d, 330d, 520d, 520d/EfficientDynamics, 520d/xDrive, 525d, 530d, 530d/xDrive, 530d/xDrive GT, 535d, 535d/xDrive, 535d/xDrive GT, 640d/xDrive, 730d, 730d/xDrive, M550d/xDrive, X1
- Engine: 1.6D, 2.0D, 3.0D
- Engine codes
  N47D20A, N47D20A/0U0, N47D20A/O0, N47D20C, N47D20C/01, N47D20C/K1, N47D20C/O1, N47D20C/U1, N47D20D/T1, N47D20O0, N47D20O1, N47D20U0, N47SD20B/D/T0, N47SD20D/T0, N47TD20K1, N47TD20O1, N47TD20U1, N57D30A/O0, N57D30A, N57D30B/TO, N57D30C/S1, N57D30A0/O0, N57D30B/T0, N57D30O0, N57D30O1, N57D30C/S1, N57D30T0, N57D30U0, N57D30UO, N57D30TO, N47D16
- **BMW OEM no. ref.:** 11 4 320

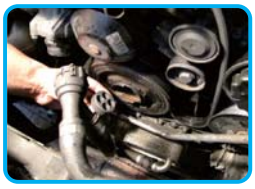
H.C.B-A1421 BMW (N47/N47S) DIESEL ENGINE TIMING TOOL KIT

BMW (N47/N47S) 柴油引擎正時工具組



- For timing the BMW N47/N47S 2.0 twin camshaft diesel chain drive engines, fitted in the 1 Series, 3 Series, 5 Series and X3.
- Application: BMW 1 Series, 118d (E81/E87)(06-09), 120d (E81/E82/E87)(06-09), 123d (E81/E82/E87)(07-09). 3 Series, 318d (E90/E91)(07-09), 320d (E90/E91/E92)(05-09). 5 Series, 520d (E60/E61)(06-08). X3, 2.0d (E83)(07-09)
- Engine Codes: N47, N47S(2007-2010)

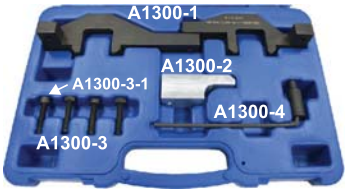
Parts No.	Description	BMW OEM no. ref.
A1421-1	Flywheel plate timing pin	115 320
A1421-2	Camshaft alignment tool	118 760
A1421-3	Crankshaft pulley turning tool	116 480
A1421-4-1	Remover socket	118 741
A1421-4-2	Hex unit	118 742
A1421-5	Tensioner locking pins x 2	113 340

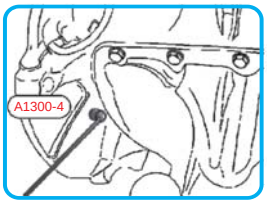


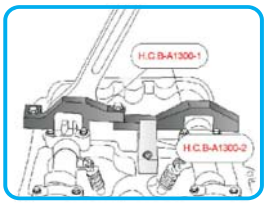


H.C.B-A1300 MINI COOPER (N14) TIMING TOOL KIT

MINI COOPER (N14) 正時工具組







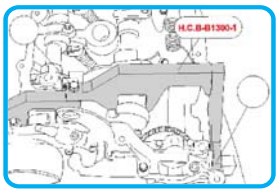
- Position crankshaft by H.C.B-A1300-4, when rotating crankshaft in central bolt.
- Note: Do not remove H.C.B-A1300-4 while maintenance.
- When repairing exhausted camshaft, installed H.C.B-A1300-1 on it and fixed tool by H.C.B-A1300-3.
- Installed H.C.B-A1300-2 to cylinder head cover then fasten by H.C.B-A1300-3-1. Put H.C.B-A1300-1 on intake camshaft, and fix it by H.C.B-A1300-3.
- Application:
  MINI COOPER (N14) 2007 R55
  MINI COOPER (N14) 2006~2007 R56

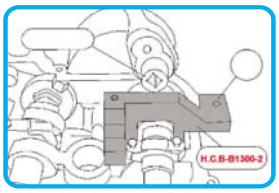
H.C.B-B1300 MINI COOPER (N12) TIMING TOOL KIT

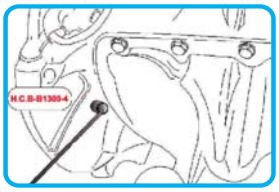
MINI COOPER (N12) 正時工具組

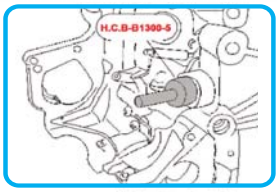
- Application:
  MINI COOPER (N12) 2007 R55
  MINI COOPER (N12) 2006~2007 R56









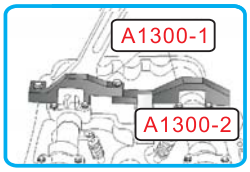


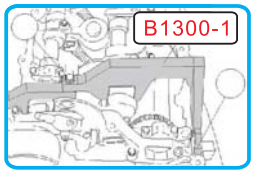
H.C.B-C1300 MINI COOPER (N12/N14/N16) TIMING TOOL KIT

MINI COOPER (N12/N14/N16) 正時工具組



- Combine A1300 and B1300 as a master kit.
- Position crankshaft by H.C.B-A1300-4 when rotating crankshaft in central bolt.
- Note: Do not remove H.C.B-A1300-4 while maintenance.
- When repairing exhausted camshaft, install H.C.B-A1300-1 on it and fix it by H.C.B-A1300-3.
- Install H.C.B-A1300-2 to cylinder head cover, then fastened by H.C.B-A1300-3-1. Put H.C.B-A1300-1 on intake camshaft, and fixed tool by H.C.B-A1300-3.
- Application:
  MINI COOPER (N12/N14) 2007 R55
  MINI COOPER (N12/N14) 2006~2007 R56

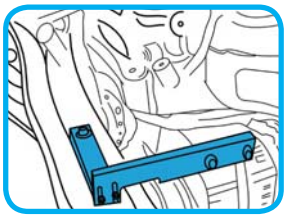




H.C.B-D1300 NEW MINI COOPER(S) (R55/ R56/ R57) ENGINE BLOCK HOLDING TOOL

MINI COOPER(S) (R55/ R56/ R57) 引擎本體支撐架





- This tool is used to support the engine block when removing the cylinder head. Mount between the frame rail and alternator mounting bracket.
- Application :
  2007-2010 R56 Cooper and Cooper S Hatchback
  2008-2010 R55 Cooper and Cooper S CLUBMAN
  2009-2010 R57 Cooper and Cooper S Convertible
- **BMW OEM No. ref:** 83 30 0 496 016

H.C.B-A1518 BMW (N13/N18) TIMING TOOL KIT

BMW (N13/N18) 正時工具組

- To lock camshafts in 90 degree piston position.
- Application:
  2011+ R56 Cooper S Hatchback
  2011+ R55 Cooper S CLUBMAN
  2011+ R57 Cooper S Convertible
  2010/11 R60 Cooper S Countryman
- **BMW OEM no. ref.:** 117 440, 119 340
  119 590, 496 709.





Optional(選購)
A1518-6：For Automatic Transmission (自排)

H.C.B-B2105 BMW CYLINDER HEAD BOLT REMOVAL AND INSTALLATION TOOL (Dr. 1/2", LENGTH: 200 mm, T40/T45/T50/T55/T60/T70)

BMW 汽缸頭螺絲拆裝工具組 (Dr. 1/2", 長度 : 200 mm,T40/T45/T50/T55/T60/T70)

Parts No.	Size	Dr.	Length(mm)	Applications.
B2105-2040	T40	1/2	200	
B2105-2045	T45	1/2	200	Ford 1.6, 1.8, 2.4, 2.8 and Volkswagen Passat
B2105-2050	T50	1/2	200	BMW E34 3.0 liter V8 engines and M60/M70/N73/N52 non-Turbo and N54/N55 Turbo engines.; Also is used in conjunction with the Alternator nut for the Alternator pulleys on various Mercedes models.
B2105-2055	T55	1/2	200	2.4L New World Engine in 2007 Dodge Caliber, Opel, Ford, Mondeo ,Renault; Mercedes, Vauxhall on V6 OHC engines /
B2105-2060	T60	1/2	200	Ford/Ford Focus 1.8 Di, BMW N52 non-Turbo and N54/ N55 Turbo engines
B2105-2070	T70	1/2	200	Nissan, Toyota,Mazda, Ford/ Ford 1.8 Diesel, Turbo

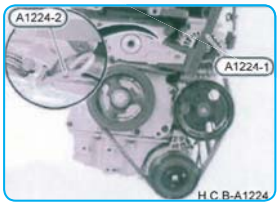


H.C.B-A1224 MINI COOPER (R50 /R53) CAMSHAFT PULLEY TOOL KIT

MINI COOPER (R50/R53) 皮帶盤工具組

10 / 9.3 /12.8 / 0.56'





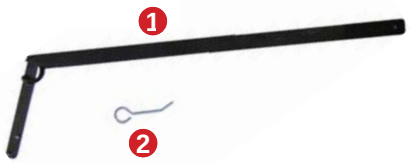
- Use A1224-1 to loosen the camshaft pulley, and use A1224-2 to lock the camshaft pulley tensioner, at the same time, then remove the parts under the oil pan and the pulley.
- Application: Mini Cooper (R50/R53), engine W10/W11.
  Cooper (W10) -- Year: 2001-2007
  Mini one (W10) -- Year: 2001-2007

H.C.B-A1288 MINI COOPER (S/W11) SERPENTINE BELT TOOL

MINI COOPER (S/W11) 皮帶拆裝工具

10 / 13.4 /16.8 / 1.75'

- Used to hold the serpentin belt tensioner on the supersharged MINI W11 engine.
- Application: Mini Coopers S / W11 Engine. Cooper (W11) - Year 2001-2007







H.C.B-A1523 MINI COOPER (N12/N14/N16/N18) SERPENTINE BELT TOOL

MINI COOPER (N12/N14/N16/N18) 皮帶拆裝工具

- Each set comes with a one large and one small 12 point wrench. If needed, you can use 1/2" drive ratchet to help with indexing the wrench onto the tensioner and for compressing the tensioner back.
- Application: All 2007 and newer Mini Cooper N12, N14, N16 and N18 engines.
- **BMW OEM no. ref.:** 116 210.
  (ONLY SOLD AS A PAIR)
  There is NO way to determine which tensioner came equipped on the vehicle without physically inspecting the car to see if you need the large or small wrench.





H.C.B-A1309 MINI COOPER (W10/W11) TIMING TOOL KIT

MINI COOPER (W10/W11) 正時工具組

- Application:
  MINI COOPER (W10/W11)
  (W10) 2001~2007 R50,
  (W10) 2003~2007 R52,
  (W11) 2003~2007 R52,
- **BMW OEM no. ref.:** 118 370, 118 250, 118 240





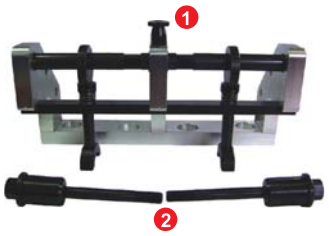


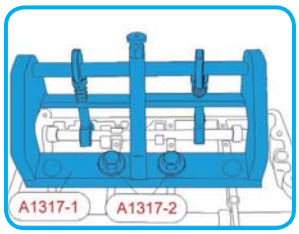


H.C.B-A1317 MINI COOPER (N14) DOWN-PRESSED CAMSHAFT FIXED BASE

MINI COOPER (N14) 下壓式凸輪軸固定器

- This tool prevents camshaft from coming off.
- Put A1317-1 into sparking plugs by A1317-2. Rotating along the arrow and tighten camshaft.
- Loosen all the bolts in the bearing covers.
- Application: Mini Cooper N14.





H.C.B-B1317 BMW (N14/M50/M52/S50) CAMSHAFT REMOVING FIXTURE

BMW (N14/M50/M52/S50) 凸輪軸固定座

- This tool is used to hold the camshaft journals in place during camshaft removal.
- Application: BMW (N14/ M50/ M52/ S50)
- **BMW OEM no. ref.:** 113 270



H.C.B-A1292 BMW (N40/N42/N45/N46) BALANCE SHAFT LOCK PLATE - OLD STYLE

BMW (N40/N42/N45/N46) 平衡軸正時工具 (舊型)

- Aligning the balance shaft in the TDC position during assembly and disassembly.
- Application: BMW N40, N42, N45, N46 engine.
- **BMW OEM no. ref.:** 119 330.



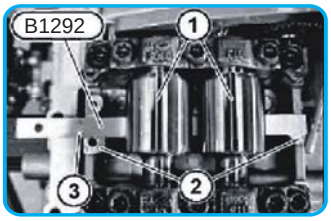


H.C.B-B1292 BMW (N45/N46/N46T) BALANCE SHAFT LOCK PLATE - NEW STYLE

BMW (N45/N46/N46T) 平衡軸正時工具 (新型)

- Aligning the balance shaft in the TDC position during assembly and disassembly.
- Application: BMW N45, N46, N46T engine.
- **BMW OEM no. ref.:** 115 140.





H.C.B-A1302 BMW (N12/N14/N16/N18/N40/N42/N45/N46/N52) CRANKSHAFT HUB LOCKING TOOL

BMW (N12/N14/N16/N18/N40/N42/N45/N46/N52) 曲軸支擋扳手

- Fixed crankshaft pulley when releasing / tightening central bolt.
- Application: BMW N12 / N14 / N40/ N42 / N45 / N46 / N52
- **BMW OEM no. ref.:** 119 280





H.C.B-A1311 BMW (M20/M40/M41/M43/M44/M50/M51/M52) CRANKSHAFT HUB LOCKING TOOL

BMW (M20/M40/M41/M43/M44/M50/M51/ M52) 曲軸支擋扳手

- To hold front damper for removing.
- Application: M20, M40, M41, M43, M44, M50, M51, M52.





H.C.B-B1311 BMW (M41/M43/M43TU/M44/M50/M52/M52TU/S52US) SPACER RING

BMW (M41/M43/M43TU/M44/M50/M52/M52TU/S52US) 間格墊圈

- For holder to lock crankshaft in position when releasing and tightening central bolt.
- Application: M41, M43, M43TU, M44, M50, M52, M52TU, S52US
- Combined with H.C.B-A1311
- **BMW OEM no. ref.:** 112 410

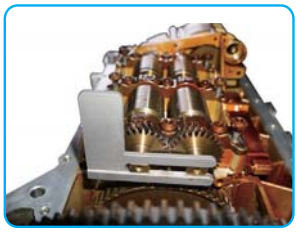


H.C.B-A1316 BMW (N43) TIMING TOOL KIT

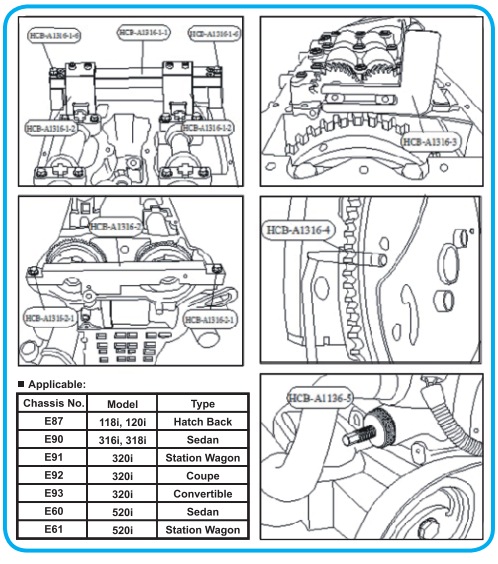
BMW (N43) 正時工具組

4 / 20 / 21.2 / 3.28'





- Used to check, adjust and see the camshaft timing.
- **BMW OEM no. ref.:** 118 690,118 710,118 700,115 120,113 340, 119 340.



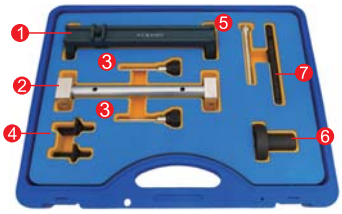
■ Applicable:

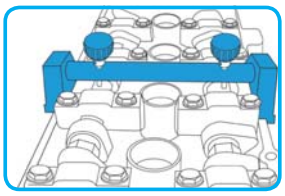
Chassis No.	Model	Type
E87	118i, 120i	Hatch Back
E90	316i, 318i	Sedan
E91	320i	Station Wagon
E92	320i	Coupe
E93	320i	Convertible
E60	520i	Sedan
E61	520i	Station Wagon

H.C.B-A1477 BMW (S54/M3) CAMSHAFT ALIGNMENT TOOL

BMW (S54/M3) 凸輪軸正時工具

Parts No.	Description	OEM NO.
A1477-1	**Camshaft Timing Gauge** For checking camshaft timing when installing VANOS adjustment unit on S54 Motorsport Engines	119 140
A1477-2	**Camshaft Lead Angle Gauge** For setting camshaft lead angle(1.5 degree) (Control diagram)when installing VANOS adjustment unit on S50B32.Liter and S54 Motorsport Engines. **Note: Replaced by #119 140 &#117342**	119 130
A1477-3	**PIN**	117 340 /342
A1477-4	**VANOS spacer** Used to set up the VANOS unit.	119 170
A1477-5	**VANOS spanner wrench**	117 160
A1477-6	**Adapter with wrench** Used to turn engine at crankshaft when adjusting valve timing.	115 100
A1477-7	**Arbor** This tool is used for locking the flywheel in position (TDC mark).	112 300





- Application:

M3 (S54) Cabriolet	Year 2000-2006
M3 (S54) Sports Coupe	Year 1999-2006
M3 CSL (S54) Sports Coupe	Year 2003-2004

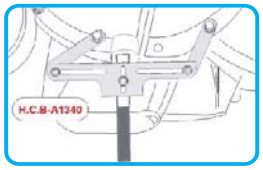
- **BMW OEM no. ref.:** 119 140,119 130,117 340/342, 117 160,115 100,112 300,119 170.

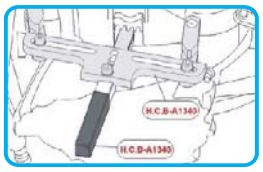
H.C.B-A1340 BMW (M47T2/M47TU/M57T2/M57TU/M67/N45/N45T/N46/N46T/N51/N52/N53/N54/N55/W17) FLYWHEEL HOLDER

BMW (M47T2/M47TU/M57T2/M57TU/M67/N45/N45T/N46/N46T/N51/N52/N53/N54/N55/W17) 飛輪固定器

- When replacing timing chain, this tool can hold flywheel. It helps to release and tighten down central bolts on vibration damper.
- Application: BMW M47T2/M47TU/M57T2/M57TU/M67/N45/ N45T/N46/N46T/N51/N52/N53/N54/W17.







- **BMW OEM no. ref.:** 118 180,118 182,118 183,118 184,118 185.

H.C.B-A1765 NEW BMW (E60/E63/E64/E65/E66) FLYWHEEL LOCKING TOOL

BMW (E60/E63/E64/E65/E66) 飛輪固定工具

- Used to lock the flywheel.
- With gear holder, 3 bolts, 3 washers, 2 round spacers, 1 stepped spacer.
- **BMW OEM No. ref.:** 83 30 0 493 938/0493938/119260
- Application: N73,M47TU, M54, M57T2 ,M57, M57TU, N40, N42, N43, N45, N45T, N46, N46T, N51, N52, N53, N54, N55, N62, N63, S85, W17

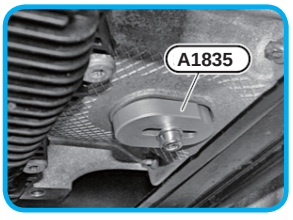


H.C.B-A1835 NEW BMW (N20/N26) FLYWHEEL HOLDER

BMW (N20/N26) 飛輪固定器

- While replacing timing chain, this tool can hold flywheel. It helps to release and tighten down central bolts on vibration damper.
- Application: BMW N20/ N26 engine with automatic transmission.
- **BMW OEM no. ref.:** 83 30 2 222 742





H.C.B-A1528 BMW (S65) TIMING TOOL KIT

BMW (S65) 正時工具組

- This tool is used to align and fix the camshaft at Top Dead Center (TDC) during assembly. Used to hold the crankshaft at Top Dead Center (TDC) when adjusting the camshaft timing.
- Application: BMW S65
- **BMW OEM no. ref.:** 115 370,119 971,119 972, 115 320,115 290.







H.C.B-A1597 BMW/ MINI & PSA GROUP PETROL ENGINE TIMING CHAIN SERVICE TOOL KIT

BMW/ MINI & PSA GROUP 汽油引擎鏈條正時工具組

- Applications:
  BMW: 116i E81/82/87/88 (04-09), 118i E81/82/87/88 (04-12), 120i E81/82/87/88 (04-12), 125i E82 (07-12), 130i E81/87 (05-12), 135iS E82 (07-12), 316i/ti Compact E46 (01-07), 316i E90/91/92/93 (05-10), 318i/ti Compact E46 (01-07), 318i E90/91/92/93 (05-12), 320i E90/91/92/93 (05-12), 323i E90/91/92/93 (04-11), 325i E90/91/92/93 (04-12), 330i E90/91/92/93 (04-12), 335i E90/91/92/93 (04-12), 520i E60/61 (07-10), 523i E60/61 (04-10), 525i E60/61 (04-10), 530i E60/61 (05-10), 630i E63/64 (04-11), 730i E65/66 (04-08), Z4 2.0 E85/86 (04-09), Z4 2.5/3.0 E85/86 (05-09), X1 sDrive 18i E84 (10-12), X1 xDrive 18i E84 (10-12), X3 2.0 E83 (05-10), X3 2.5/3.0 E83 (06-10), X5 3.0 E70 (06-10),
  Mini Cooper: S R55/56 (06-10), Cooper R55/56 (06-10),
  Mini One R56 (07-10),
  Citroen: C4 Picasso (08-11), C4 (08-11), C3, C3 Picasso
  Peugeot: 207 (06-11), 207CC (07-11), 308 (07-11),3008,5008
- **BMW OEM no. ref.:** 11 4 360, 11 5 140, 11 9 280, 11 9 330





H.C.B-A1301 BMW (N62/W17) AIR CONDITIONING COMPRESSION BELT INSTALLER

BMW (N62/W17) 冷氣壓縮機皮帶安裝器

- To fasten the belt when installing the belt.
- Application: BMW (N62/W17)









H.C.B-B1301 BMW (N62/W17) AIR CONDITIONING COMPRESSION BELT INSTALLER

BMW (N62/W17) 冷氣壓縮機皮帶安裝器

- Fasten the belt when installing the belt.
- Application: BMW (N62/W17)
- **BMW OEM no. ref.:** 641040

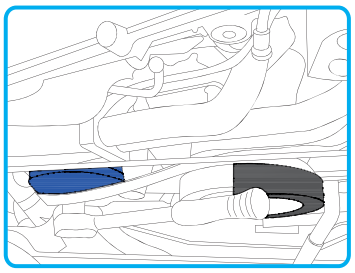





H.C.B-A1567 BMW (N52K) V-BELT INSTALLER

BMW (N52K) V 型皮帶安裝工具

- Special design for installing the V-belt without causing damage.
- Application: BMW N52K engine (2006~2010)
- **BMW OEM no. ref.:** 111 240

H.C.B-A1385 BMW (F01/F02/F25/X3) FUEL TANK LID WRENCH

BMW (F01/F02/F25/X3) 油箱蓋拆裝器

- This tool is used for removing and installing the metal fuel tank lid.
- Application: BMW (F01/F02/F25)

Model	Chassis Series	Engine	Year
740i	F01	N54	2011, 2012
750i	F01	N63	2009, 2010, 2011, 2012
750i xDrive Sedan	F01	N63	2010, 2011, 2012
BMW ALPINA B7	F01	N63	2011, 2012
BMW ALPINA B7 xDrive	F01	N63	2011, 2012
740Li	F02	N54	2011, 2012
750Li	F02	N63	2009, 2010, 2011, 2012
750Li xDrive Sedan	F02	N63	2010, 2011, 2012
760Li Sedan	F02	N74	2010, 2011
BMW ALPINA B7 LWB	F02	N63	2011, 2012
BMW ALPINA B7 xDrive LWB	F02	N63	2011, 2012
X3 xDrive28i A	F25	N52T	2011, 2012
X3 xDrive35i A	F25	N55	2011, 2012

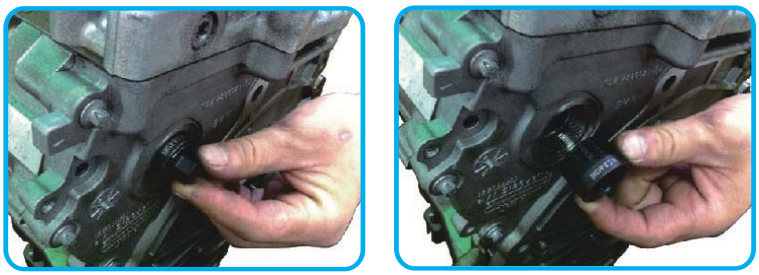



H.C.B-A1366 BMW (N47) HIGH PRESSURE PUMP REMOVER

BMW (N47) 高壓泵拆卸組

- To remove the hight pressure pump.
- Application: BMW N47
- **BMW OEM no. ref.:** 118740

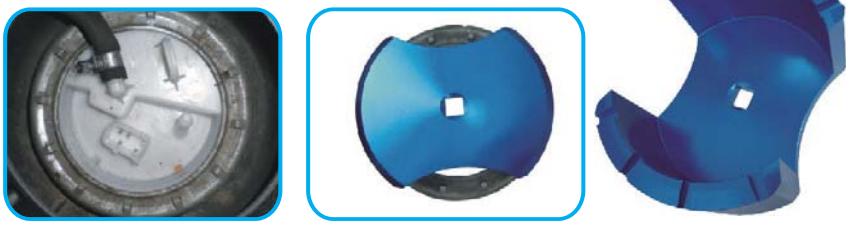




H.C.B-A1401 BMW FUEL LEVEL SENSOR LOCK RING REMOVER

BMW 汽油幫浦感應器拆卸工具

- Used to remove the fuel level lock ring.
- Applications:
  BMW and Mini Cooper Models: 1988-2011
  E31, E34, E36, E38, E39, E46, E53, E60, E63, E64, E65, E70, E83, E85, E90, R50, R52, R53, R55, R56 and R57.

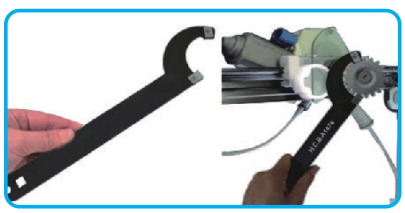


H.C.B-A1474 MINI COOPER WINDOW WRENCH

MINI COOPER 升降機調整扳手

- Hook wrench used for adjusting the door window glass.
- Hook wrench 300 mm long, need to release the star washer.
- This is the wrench to remove the large tooth nuts holding the door glass to the window regulator on R50, R52, R53 MINI Cooper and Cooper S.
- The wrench fits between the door glass and exterior seal to loosen or tighten the nuts to remove, install, and adjust the door glass. Commonly used during replacement of window motors, or door lock actuators.
- Application: BMW R53 2002-2006 Mini Cooper.
  2002-2003 Cooper R50
  2002-2003 Cooper S R53
  2002-2006 Cooper R50
  2002-2006 Cooper S R53
  2005-2006 JCW Hardtop R53
  2005-2008 Cabrio R52
  2005-2008 Cabrio S R52
  2005-2008 JCW Cabrio R52
- **BMW OEM no. ref.:** 513 240







H.C.B-A2024-8 OIL DRAIN PLUG REMOVER - 8 mm

放油螺塞拆卸器 -8 mm

- This Mini tool makes removal of the oil drain plug of new generation Mini a simple and pain free task.
- This is designed to give you plenty of leverage to loosen and remove your oil drain plug.



H.C.B-A1500 BMW (N20/N26/N46/N55) OIL FILTER PRESSURE CAP

BMW (N20/N26/N46/N55) 機油壓力工具

- This tool is used for testing oil pressure.
- Application: 2013 - N20 & N26 after 1/2012 and N46
- **BMW OEM no. ref.:** 119 250



(Use for N46)



(Use for N46)



H.C.B-B1500 NEW BMW (N20/ N26/ N46/ N55) OIL FILTER PRESSURE CAP WITH GAGUE

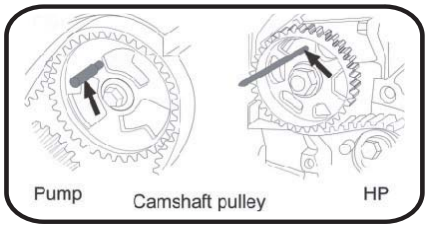
BMW (N20/ N26/ N46/ N55) 機油壓力工具含錶



H.C.B-A1511 MINI W16D DIESEL ENGINE TIMING TOOL

MINI W16D 柴油引擎正時工具組

- This tool is designed for timing belt replacement and chain in head service operations.
- Suitable for Mini with engine codes W16D16 (9HZ) and W16D16UO used on Mini, Mini Clubman (07-10) with chassis R55 /56 /57
- Also used on some Citroen and Peugeot models:
  Citroen: 1.6 diesels in C2 | Xsara Picasso | C4 | C5 |C4 Picasso | Grand Picasso | Berlingo
  Peugeot: 1007 | 206 | 307 | 207 | 308 | Partner Mk3
- **BMW OEM no. ref.:** 119 790,110 300,119 851,119 852.





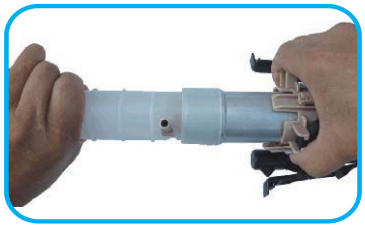
Parts No.	BMW OEM no. ref.	Description
1	119 790	Crankshaft timing pin
2	110 300	Camshaft/high pressure fuel pump timing pin (2)
3	119 851 (Part 1 of 11 9 850)	Flywheel holding tool
4	119 852 (Part 1 of 11 9 850)	Fixing Bolts for Flywheel Holding Tool

H.C.B-A1498 BMW FUEL PUMP REMOVAL/ INSTALLATION TOOL

BMW 汽油幫浦外蓋拆裝工具

- For removing and fitting the electrical fuel pumps with the aid of tool.
- Used for intended purpose.
- Tool is designed for releasing electrical fuel pumps from their mountings (Sleeve).
- The easy insertion on electrical fuel pumps into their mountings(Sleeve).
- Application: BMW E39/520i,523i,525i,528i,530i,535i,540i fuel pump.



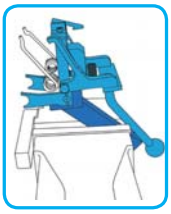


H.C.B-A1699 MINI (N18) VALVE PRESSURE SPRING REMOVER/INSTALLER

MINI (N18) 汽門彈簧壓縮拆裝器

- This tool is used to compress the valve spring for removing/installing the valve spring.
- Application: MINI (N18) engine
- **BMW OEM no. ref.:** BMW 119 571/572





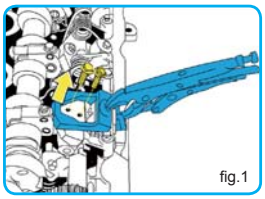


H.C.B-A1700 MINI (N18) VALVE SLIDER HOLDING PLIERS

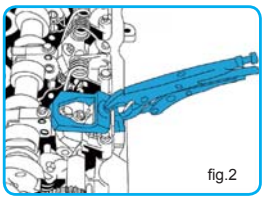
MINI (N18) 汽門滑塊固定鉗

- Pliers for holding valve slider to remove / install valve slider.
- Application: MINI (N18) engine.
- **BMW OEM no. ref.:** BMW 119 573

Removal



Installation



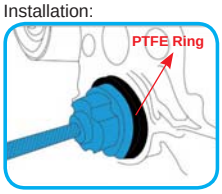


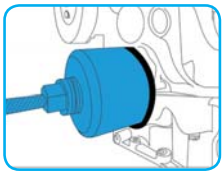
H.C.B-A1674 MINI COOPER (N13/ N14) FRONT CRANKSHAFT RADIAL SEAL REPLACER

MINI COOPER (N13/ N14) 前曲軸密封環更換工具

- Front crankshaft radial seal replacer for MINI Cooper with N13/N14 engine which makes radial seal installation precise and quicker without the risk of damaging the new radial seal.
- Application: MINI Cooper (N13/ N14)
- **BMW OEM no. ref.:** 119 600/601/602

Installation:







H.C.B-B1674 MINI COOPER (N13/ N14) REAR CRANKSHAFT RADIAL SEAL REPLACER

MINI COOPER (N13/ N14) 後曲軸密封環更換工具

- Before replacing the rear crankshaft radial seal, please remove transmission and remove flywheel.
- Application: MINI COOPER (N13/ N14)
- **BMW OEM no. ref.:** 119610(83 300 495 944)









H.C.B-A1688 MINI COOPER FUEL LINE DISCONNECT TOOL

MINI COOPER 油管分離器

- Used to disconnect the fuel line from the high pressure fuel pump that is driven by the mechanical connection to the intake camshaft.
- Application: 2007-2013 MINI Cooper Turbo models.
- **BMW OEM no. ref.:** 130250



WARNING
If the two little release tabs that stick out have been broken off the fuel line, The A1688 release pins are not long enough to depress the inner tabs. The only way to remove the fuel line at this point is to use two small screw drivers and depress on both sides of the fuel line at the same time to release the line from the pump. You must replace the fuel line at this point.

Some 2010.5-2011 Models, You Need To Loosen The 14mm Flare Nut On The Fuel Rail Feed Line And Remove The Lower 8mm Fuel Pump Retaining Bolt To Use The Tool.





H.C.B-K2016 BMW ENGINE SUPPORT BAR PAT. M 534705

BMW 引擎平衡桿

- The main body is equipped with two adjustable supporting stands which can be set on the threaded hole bases of shock absorber upper base.
- The side bar offers the third support to avoid the engine toppling down.
- There are joints on both supporting stands and between the two square tubes which allow them to be adjustable.
- There are one forging hook and chain to hang on all kinds of engine, and one hanging ring and locking ring are also included which can be screwed onto the engine directly to hold the engine.
- There is a pair of secondary stands which can be set on the threaded holes of linking bars in engine bay for BMW FWD models.
- Application: Most BMW models. (Not suitable for BMW SUV, such BMW X5)





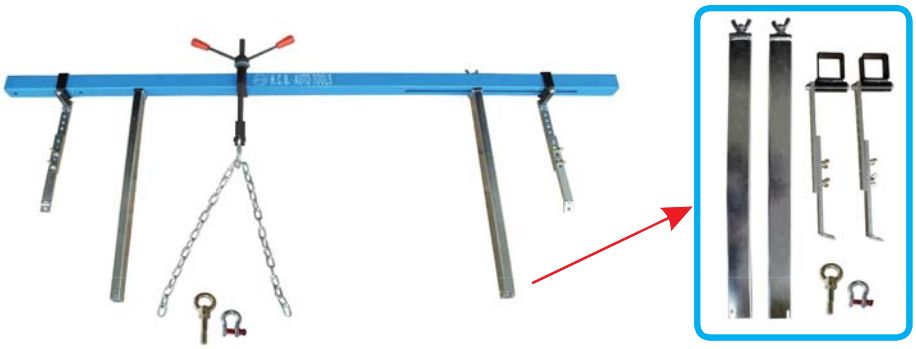




H.C.B-J2016 BMW/BENZ (W140) ENGINE LIFTING BAR PAT. M481854

BMW/BENZ (W140) 引擎吊架

- Put the prop at the front of engine frame. Then put the blue bar on the prop, make the blue bar into the hook. Fix the backend on the shock absorber.
- The design will make change engine socket or change oil pan conveniently and easier.
- Application: BMW (N52/ N62/ F07),BENZ (W140).





on BMW(E65)



on BENZ(W140)



H.C.B-A1671 UNIVERSAL DOUBLE HEXAGON SPARK PLUG SOCKET (14 mm/16 mm)

萬向火星塞套筒 (12 角) (14 mm/16 mm)

- Size: A1671-14:14 mm, L: 220 mm, D: 19 mm
  A1671-16:16 mm, L: 220 mm, D: 22 mm









H.C.B-A2151-9014 SPARK PLUG SOCKET (Dr. 3/8", 12 POINTS, 14 mm)

火星塞套筒 (Dr. 3/8", 12 角 , 14 mm)

- Size: Dr. 3/8", 14 mm, 12 Points, 90 mm/L.
- Application: 2007 and later BMW 135, 335, 535 and X6 with 3.0L twin-turbo. Also work on 2007 and newer Turbocharged MINI Coopers. And Citroen C5 HPI, Peugeot 406 HP1 and Renault Clio 1.2 16V, Twingo 1.2 16V.



Genuine stock No.: PLZKBR7A-G NGK R R5

H.C.B-A1710 BMW (N54/N63/S63) INJECTOR LINE SOCKETS (14/ 17mm)

BMW (N54/N63/S63) 噴油嘴油管套筒組 (14/ 17mm)

- Special shape design which can get into tight areas of the cylinder head where the injectors are located without touching anything, such as fender.
- Unique flare nut socket design allows for easy access without damaging expensive injectors.
- Fit in areas that other fuel line wrench won't.
- Open side allows over 180 degree rotation to loosen the nut easily.
- Sockets are designed to tighten easily with accurate torque.
- Application: BMW N54/ N63/ S63 engine.



H.C.B-A1750 NEW BMW N47 COUNTER BALANCE SHAFT TOOL

BMW N47 平衡軸正時工具

- Applications: N47 engine/ F30/F31/F25
- This tool is used to correct the counterbalance shaft position on the N47 engine.
- **BMW OEM No. ref.:** 83 30 2 288 054



H.C.B-A1735 BMW (B38/ B48) FUEL INJECTOR OIL SEAL REPLACER

BMW (B38/ B48) 噴油嘴油封更換器

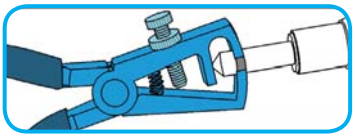
- Specially designed for removing and installing the injectors seal.
- Application: BMW N13, N14, N18, N20, N26, N43, N53, N54, N55, N63, N73, S55, S63, B38, B48



H.C.B-B1735 NEW BMW (B38/ B48) FUEL INJECTOR OIL SEAL REPLACER

BMW(B38/ B48) 噴油嘴油封更換器

- Specially designed for removing and installing the injectors seal.
- Application: BMW N13/N14/N18/N20/N26/N43/N53/N54.





H.C.B-A1748 BMW (M47/ M57) DIESEL INJECTOR REMOVAL TOOL KIT

BMW (M47/ M57) 柴油噴油嘴拔卸工具組

- Components: (1) M17-M16 screw with num (2) Hexagonal wrench to remove the solenoids (3) Main extractor's body (4) 2 pcs x 140 mm support foot (5) 2 pcs x 115 mm support foot (6) special socket with 1/2 connection to remove the electronic group
- Applicable engine: BMW Common Rail M47TU, M57, M57TU engine.
- Application:
  2.0d Model: 118d E87; 120d E87; 320d E46, E90/E91; X3 E83
  2.5d Model: 525d E39 E60/E61
  3.0d Model: 330d E46, E90/E91/E92/E93; 335d E90/E91/E92; X3 E83; 530d E39, E60/E61; X5 E53, E70; 635d E63/E64; X6; 730d E38, E65/E66, F01/F02



H.C.B-C1604 NEW BMW OIL DRAIN PLUG SOCKET (10 mm)

BMW 油底殼卸油螺絲套筒 (10 mm)

- Size：10 mm





H.C.B-D1604 NEW BMW OIL DRAIN PLUG

BMW 油底殼卸油螺絲

- It is required to replace a new drain plug each time after oil change.



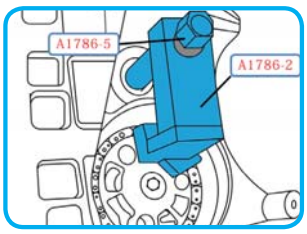


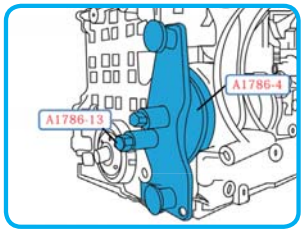
H.C.B-A1786 NEW BMW (N53/ N54/ N55) VACUUM PUMP SEALING COVER REMOVER/INSTALLER KIT

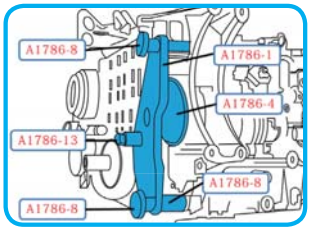
BMW (N53/ N54/ N55) 真空幫浦密封蓋拆裝工具組

- For removal and installation of sealing cap of the vacuum pump.
- Application: BMW N53, N54, N55 engine.
- **BMW OEM No. ref.:** 118 530/ 110 290 /118 650







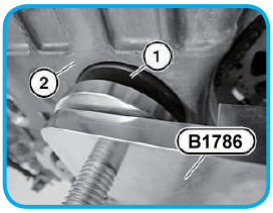


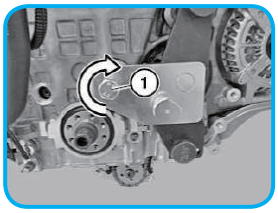
H.C.B-B1786 NEW BMW (N53/ N54/ N55) CRANKCASE SEALING CAP INSTALLER

BMW (N53/ N54/ N55) 曲軸箱油封蓋安裝工具

- For fitting the sealing cap in the crankcase (N55 with HDP5).
- Application: N53/N54/N55
- **BMW OEM no.ref.:** 2318118/2318119





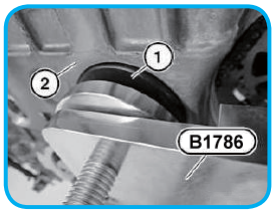


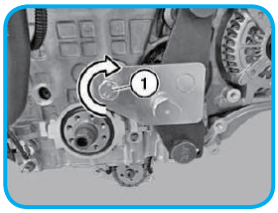
H.C.B-C1786 NEW BMW (N53/ N54/ N55) VACUUM PUMP SEALING COVER REMOVER/ INSTALLER & CRANKCASE SEALING CAP INSTALLER

BMW (N53/ N54/ N55) 真空幫浦密封蓋拆裝及曲軸箱油封蓋安裝工具

- For removal and installation of sealing cap of the vacuum pump.
- For fitting the sealing cap in the crankcase (N55 with HDP5).
- Application: BMW N53/N54/N55 engine.
- **BMW OEM No. ref.:** 118 530/ 110 290 /118 650





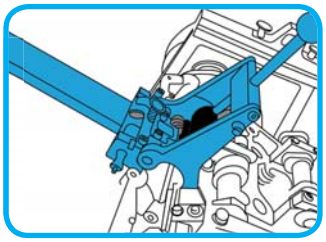


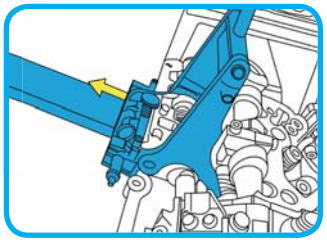
H.C.B-A1846 NEW BMW (S63TU) VALVE PRESSURE SPRING REMOVER/INSTALLER

BMW (S63TU) 汽門彈簧壓縮拆裝器

- This tool is used to compress the valve spring for quick and safe removal/ installation of the valve spring.
- Application: BMW S63TU engine
- **BMW OEM No. ref.:** 2 249 160







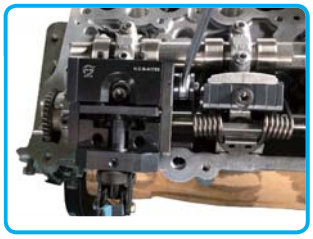
H.C.B-A1785 NEW BMW (B38/ B48) VALVE GATE/ PRESSURE SPRING TOOL KIT

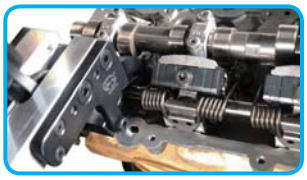
BMW (B38/ B48) 汽門擋塊 / 汽門彈簧工具組

- For removing and installing valve spring and intermediate levers.
- For positioning the sliding block.
- Application: BMW B38/ B48
- **BMW OEM No. ref.:** 2 359 088/ 2 359 089

H.C.B-A1785





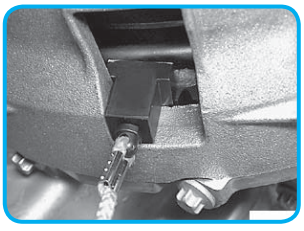


H.C.B-A1913 NEW BMW (N20/N26/N43/N55) FLYWHEEL LOCKING TOOL

BMW (N20/N26/N43/N55) 飛輪固定工具

- Designed for flywheel fixing of transmission before the engine dismantling.
- Application: BMW N20/N26/N43/N55
- **BMW OEM no. ref.:** 118 660





H.C.B-A1921 NEW BMW (N43/N45/N46/N47) TIMING CHAIN RIVETING TOOL KIT

BMW (N43/N45/N46/N47) 鉚釘鏈條正時工具組

- Riveting tool set for timing chain, for engine N43/N45/N46/N47.
- Application: E81, E87, E87 LCI, E88, E82, F20, F20 LCI, F21, F21 LCI, E46, E90, E90 LCI, E91, E91 LCI, E92, E92 LCI, E93, E93 LCI, F30, F30 LCI, F31, F35, F35 LCI, E60 LCI, E61 LCI, F07 GT, F07 GT LCI, F10, F10 LCI, F11, F11 LCI, F06 GC, F06 GC LCI, F12, F12 LCI, F13, F13 LCI, X1 (E84), X3 (E83), X3 (E83LCI), X3 (F25), X4 (F26), X5 (E70LCI), X5 (F15), X6 (E71), X6 (F16), Z4 (E85), Z4 (E89), R56, R56 LCI, R55, R55 LCI, R57,R57 LCI, R58, R59, R60, R61
- **BMW OEM no.ref.:** 83 30 2 354 985



H.C.B-A1953 NEW BMW/ MINI/ FORD SPECIAL SOCKET (Dr. 1/2", 22mm,16 POINTS)

BMW/ MINI/ FORD 特殊套筒 (Dr. 1/2", 22mm,16 角)

- For the new central screw connection on the centring valve of the camshaft timing.
- Chrome Molybdenum with black phosphate finish.
- Application: BMW & Mini Vanos unit and Ford VCT modules.
- **FORD OEM no.ref.:** 303-1661-3



H.C.B-A1961 NEW MINI CLUTCH ALIGNMENT TOOL

MINI 離合器校正工具

- Application:
  Cooper JCW (2013-15)
  Cooper JCW Clubman (2013-14)
  Cooper S (2011-15)
  Cooper S Clubman (2011-14)
- **BMW OEM no. ref. :** 83 30 0 496 779



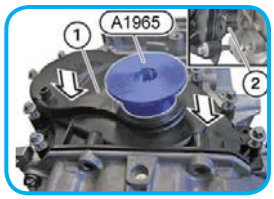
H.C.B-A1965 NEW BMW (B37/B38) CRANKSHAFT FRONT SEALING RING INSTALLER

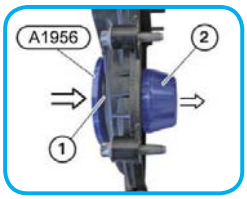
BMW (B37/B38) 曲軸前油封安裝器

- The crankshaft redial sealing ring has both a lip and a protective lip.
- This tool is designed to prevent damage when assembling the cover to the crankshaft flange.
- Application: BMW(B37C / B37D / B38A / B38B)
- **BMW OEM no.ref.:** 2 357 900









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BMW

BMW TRANSMISSION REPAIR TOOL

變速箱修護工具



H.C.B-A1010 AUTOMATIC TRANSMISSION CLUTCH SPRING COMPRESSOR (IMPROVEMENT)

自動變速箱離合器壓板拆裝工具 (改良型)

6 / 17.8 / 21.5 / 3.06'



- To remove and install the transmission rear clutch piston snap ring.
- Application: Most of American cars and light trucks.

H.C.B-A1100 BMW (5HP18/ 5HP19) TRANSMISSION SOCKET (4 TEETH)

BMW (5HP18/ 5HP19) 變速箱專用套筒 (4 齒)

- Dr. 1/2", for grooved nut on transmission drive shaft flange.
  D = 64 mm
  d = 53.5 mm
- Application: BMW (5HP18/ 5HP19) transmission.







H.C.B-A1101 BMW (5HP24/ 5HP30) TRANSMISSION SOCKET (6 TEETH)

BMW (5HP24/ 5HP30) 變速箱專用套筒 (6 齒)

- Dr. 1/2", for grooved nut on transmission drive shaft flange.
  D = 74 mm
  d = 63.5 mm
- Application: BMW (5HP24/ 5HP30) transmission.





H.C.B-A1352 BMW LINE DISCONNECT TOOL

BMW 油管分離器

- The application of this remover covers both power steering & transmission oil cooler line.
- Application: BMW 3-Series and X5, year 1999-2005.





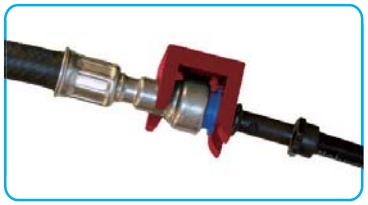


H.C.B-B1352 BMW (E83/E90) LINE DISCONNECT TOOL

BMW (E83/E90) 油管分離器

- The application of this remover covers both power steering and transmission oil cooler line.
- Application: BMW, especially useful on 2006-2011 3 Series models and 2006-2009 X3 models. (E90 and E83)





H.C.B-A1862 NEW MINI TRANSMISSION PLUG SOCKET

MINI 變速箱卸油螺絲套筒

- Designed for checking/ changing/ adding transmission oil on a Mini cooper due to the narrow space between fill plug and power steering unit.
- Small size makes removal and installation of the fill plug in such narrow space much easier, and quicker in comparison to standard tools which are difficult or impossible to be used.
- Size: T55 × 17 mm hexagon drive.



H.C.B-A1085 BMW THMR1 TRANSMISSION EXTRACTION/ INSTALLATION TOOL KIT

BMW THMR1 變速箱拆裝工具組

1 / 11.9 / 12.8 / 0.85'

- This set of tool is designed for extracting and installing BMW THMR1 transmission.









H.C.B-A1085-7 BMW THMR1 TRANSMISSION PUMP ALIGNMENT PIN

BMW THMR1 變速箱泵浦定位銷

- For aligning the center position of transmission pump.
- Work with A1085 kit.



H.C.B-A1356 BMW OIL COOLER LINE PLIERS

BMW 變速箱油冷卻管拆卸鉗

- The tool is designed to release the hydraulic cooling lines which are connected to transmission. It's very hard to release the connectors without using these pliers.
- To adjust the angle by turning the screws on the front clips.
- Application on the following BMW models:
  1 Series - E81/ E82/ E87
  3 Series - E46/ E90/ E91/ E92/ E93
  5 Series - E60/ E61
  6 Series - E63/ E64
  7 Series - E65/ E66
  X3 - E83
  X5 - E53/ E70
  Z4 - E85/ E86
  BMW MINI - R50/ R52/ R53
- **BMW OEM no. ref.:** 170 030.





H.C.B-A1456 BMW 5L 40 TRANSMISSION REMOVAL/INSTALLATION TOOL KIT

BMW 5L 40 變速箱拆裝工具組

■ This tool is used for removing and installing BMW 5L 40 transmission.







Optional: A1456 -13
(選購)
Use on BMW (X5) 3.0



Fig1



Fig2



Fig3



Fig4

■ Put No.11 first and then put part seal on it,then remove No-11,and install No.10



Fig5



Fig6



Fig7

H.C.B-A1566 BMW DCT DUAL CLUTCH REMOVER/ INSTALLER

BMW DCT 離合器拆裝工具

H.C.B-B1566 BMW DCT CLUTCH COVER ALIGNMENT TOOL

BMW DCT 離合器蓋校正工具

H.C.B-C1566 BMW DCT OUTPUT SHAFT SEAL INSTALLER

BMW DCT 輪軸油封安裝工具

H.C.B-D1566 BMW DCT FRONT TRANSMISSION COVER REMOVAL ALLEN HEAD SOCKETS

BMW DCT 前變速箱蓋拆六角頭套筒

H.C.B-A1566

- Special designed to remove and install the dual clutch.
- Applicable to BMW GS7D36SG (DKG) transmission.
- **BMW OEM no. ref.:** 23 0 400



H.C.B-B1566

- This tool was developed to remove and install the clutch cover with the sealing ring on the shaft.
- Also compatible with the 2008-14 M3,135i, 335iS, F10 M5, and F12/3 M6 with the DCT transmission.
- **BMW OEM no. ref.:** 230 390



H.C.B-C1566

- BMW seal cover alignment tool for the output shaft.
- Also compatible with the 2011-14 135i, 335iS, F10 M5, and F12/3 M6 DCT.



H.C.B-D1566

- BMW front transmission cover removal allen head sockets
- Also compatible with the 2008-14 M3, 135i, 335iS, F10 M5, and F12/3 M6 with the DCT transmission.

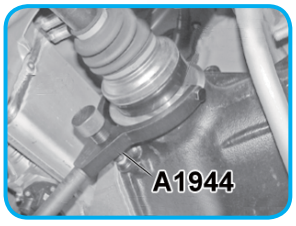


H.C.B-A1944 NEW BMW DIFFERENTIAL SHAFT REMOVER / INSTALLER

BMW 差速器拆裝工具

- Riveting tool set for timing chain:
- Application: E81 E87 E87 LCI E88 E82 F20 F20 LCI F21 F21 LCI E46 E90 E90 LCI E91 E91 LCI E92 E92 LCI E93 E93 LCI F30 F30 LCI F31 F35F35 LCI E60 LCI E61 LCI F07 GT F07 GT LCI F10 F10 LCI F11 F11 LCI F06 GC F06 GC LCI F12 F12 LCI F13 F13 LCI X1 (E84) X3 (E83) X3 (E83LCI) X3 (F25) X4 (F26) X5 (E70LCI) X5 (F15) X6 (E71) X6 (F16) Z4 (E85) Z4 (E89) R56 R56 LCI R55 R55 LCI R57R57 LCI R58 R59 R60 R61
- All models with engine type N43/N45/N46/N47
- **BMW OEM no.ref.:** 83-30-2-354-985





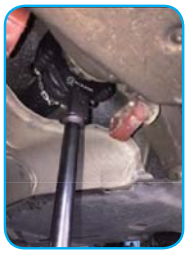
H.C.B-A1706

BMW (E70/E90/E91/E92/E93/F01/F02/F04/F06/F07/F10/F13/F15/F16/F18/F20/F21/F22/F23/F25) FINAL DRIVE INPUT SHAFT OIL SEAL REMOVAL / INSTALLATION TOOL KIT

BMW (E70/E90/E91/E92/E93/F01/F02/F04/F06/F07/F10/F13/F15/F16/F18/F20/F21/F22/F23/F25) 終傳輸入軸油封更換工具組



- This is a master tool kit for replacing the oil seal of BMW final drive input shaft.
- Application: BMW E70/E90/E91/E92/E93/F01/F02/F04/F06/F07/F10/F13/F15/F16/F18/F20/F21/F22/F23/F25
  E90 (335d, 335i,335ix) E91 (335d, 335i,335ix)
  E92 (335d, 335i,335ix) E93 (335ix) E92 with N54 B30 engine









VIDEO

- Consist of:

Item No.	Description	BMW OEM No.
H.C.B-A1649	Final drive input shaft seal installer	83 30 0 495 593 (335 080)
H.C.B-A1650	Final drive input shaft seal socket	83 30 0 495 553 (335 060)
H.C.B-A1651	Driveshaft inner nut wrench	83 30 0 495 551 (335 040)
H.C.B-A1652	Differential flange nut wrench	83 30 0 495 552 (335 050)
H.C.B-A1653	Extension bar for A1651 and A1652	83 30 0 495 554 (335 070)

H.C.B-B1706

NEW

BMW (E70/E90/E91/E92/E93/F01/F02/F04/F06/F07/F10/F13/F15/F16/F18/F20/F21/F22/F23/F25)FINAL DRIVE INPUT SHAFT OIL SEAL REMOVAL/ INSTALLATION TOOL KIT

HOT

BMW (E70/E90/E91/E92/E93/F01/F02/F04/F06/F07/F10/F13/F15/F16/F18/F20/F21/F22/F23/F25) 終傳輸入軸油封更換工具組



VIDEO





- This is a master tool kit for replacing the oil seal of BMW final drive input shaft .
- Application: BMW E70/E90/E91/E92/E93/F01/F02/F04/F06/F07/F10/F13/F15/F16/F18/F20/F21/F22/F23/F25
  E90 (335d, 335i,335ix)
  E91 (335d, 335i,335ix)
  E92 (335d, 335i,335ix)
  E93 (335ix)
  E92 with N54 B30 engine

- Consists of:

Item No.	Description	BMW OEM No.
H.C.B-A1649	Final drive input shaft seal installer	83 30 0 495 593 (335 080)
H.C.B-A1650	Final drive input shaft seal socket	83 30 0 495 553 (335 060)
H.C.B-A1651	Driveshaft inner nut wrench	83 30 0 495 551 (335 040)
H.C.B-A1652	Differential flange nut wrench	83 30 0 495 552 (335 050)
H.C.B-A1653	Extension bar for A1651 and A1652	83 30 0 495 554 (335 070)
H.C.B-A1081-1~6	Pulley holder	
H.C.B-A1081-12	Pin ø8*50L (2 pcs)	

H.C.B-A1649 BMW (E70/E90/E91/E92) FINAL DRIVE INPUT SHAFT SEAL INSTALLER

BMW (E70/E90/E91/E92) 終傳輸入軸油封安裝器

- Used to install the final drive input shaft seal.
- Application: BMW E90/E91/E92 and E70 with N54 B30.
- **BMW OEM no. ref.:** 83 30 0 495 593 (335 080), 08 32 030





BMW OEM no. ref.: 08 32 030





H.C.B-A1650 BMW (E70/E90/E91/E92) FINAL DRIVE INPUT SHAFT SEAL SOCKET

BMW (E70/E90/E91/E92) 終傳輸入軸油封螺帽套筒

- Designed for holding the input shaft on the final drive when replacing the seal.
- Application: BMW E70/E71/E72/E82/E84/E90/E91/E92/E93/F12/F13/F20/F25.
- **BMW OEM no. ref.:** 83 30 0 495 553 (335 060).







H.C.B-A1651 BMW (E70/E90/E91/E92) DRIVESHAFT INNER NUT WRENCH

BMW (E70/E90/E91/E92) 傳動軸內螺帽扳手

- Size: H50
- Designed for R&R the driveshaft inner nut (final drive end).
- Application: BMW E70/E90/E91/E92 with N54 B30 engine, E83 (X3)
- **BMW OEM no. ref.:** 83 30 0 495 551(335 040).







H.C.B-A1652 BMW (E70/E90/E91/E92) DIFFERENTIAL FLANGE NUT WRENCH

BMW (E70/E90/E91/E92) 差速器凸緣盤螺帽扳手

- Size: H65
- Designed for loosening the flange nut on the E70 rear axle differential.
- Application: BMW E70/E90/E91/E92 with N54 B30 engine, E83 (X3)
- **BMW OEM no. ref.:** 83 30 0 495 552 (335 050).







H.C.B-B1652 NEW BMW (E70/ E90/ E91/ E92) DIFFERENTIAL FLANGE NUT WRENCH

BMW (E70/ E90/ E91/ E92) 差速器凸緣盤螺帽扳手

- Designed for loosening the flange nut on rear axle differential
- Application: BMW E70/E90/E91/E92 with N54 B30 engine
- **BMW OEM no.ref.:** 83 30 0 495 552 (335 050)





H.C.B-A1653 BMW EXTENSION BAR

BMW 延長桿

- Extension bar for A1651 and A1652.
- **BMW OEM no. ref.:**
  83 30 0 495 554 (335 070).





H.C.B-A1733 BMW SELF ADJUSTING CLUTCH (SAC) TOOL KIT

BMW SAC 離合器工具組

- Locating ring and clutch tensioner set used on the BMW self adjusting Clutches (SAC) to reset and center the centering ring.
- Application: E34, E36, E38, E39, E46, E52, E53, E85, Z3 from 9/97 on.
- **BMW OEM no. ref.:** 212170, 212180



H.C.B-A1741 BMW CLUTCH MANDREL

BMW 離合器插銷

- For centering clutch disc on flywheel while installing self adjusting clutch (SAC).
- Application: S5D-200G, S5D-250G, S5D-260Z, S5D-310Z, S6S-420G, S6S-560G, GS6-37BZ, GS6-37DZ, GS6-53BZ & GS6-53DZ transmissions.
- **BMW OEM no. ref.:** 212141, 212142, 212200, 212230 and 212270





SINCE 1990

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HWANG CHERNG BIN

Specialty Tools Inc.

福特修護工具

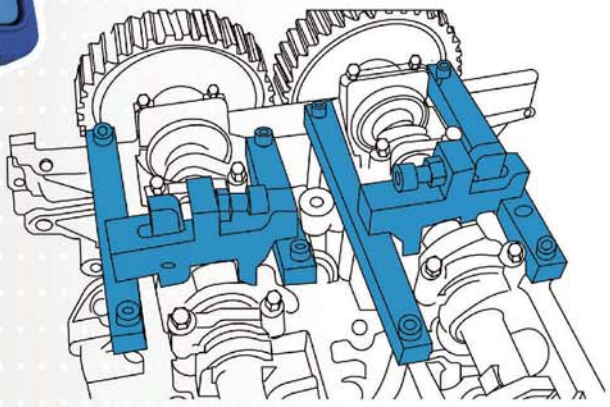
FORD REPAIR TOOL











H.C.B-A1031 FORD LASH ADJUSTER

FORD 嘉年華全壘打斜式培林間隙搖桿

- A lash adjuster for aligning the front wheel axles bearings.
- Application: Ford Festiva Laser (bearing-69349)
- N.W.: 1.5 KGS



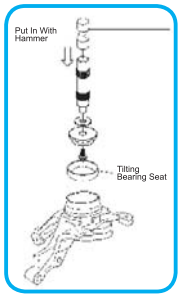


H.C.B-A1041 8 PCS BEARING RACE & SEAL DRIVER KIT

8 PCS 斜式培林安裝器

- It can quickly & easily insert wheel bearing races & axles without damaging the race & axle housing.
- 7 sizes of discs can fit most standard wheel bearings.
- The other side of the disc can evenly drive seals.
- N.W.: 1.05 KGS





H.C.B-A1046 FORD BRAKE PAD EXTRACTOR/INSTALLER

FORD 煞車襯套拆裝器

- This tool is designed for removing and installing the brake pad.
- N.W.: 0.2 KGS





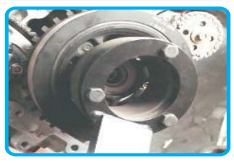
H.C.B-A1196 FORD (ESCAPE, METROSTAR) CRANKSHAFT PULLEY HOLDING TOOL

FORD (ESCAPE, METROSTAR) 曲軸支擋扳手

- For removing and installing the crankshaft bolt on FORD ESCAPE and METROSTAR.
- This well-designed tool is used to prevent pulley from rotating when extracting the central fixed screw.
- Application: FORD ESCAPE (2300 c.c.) and METROSTAR







H.C.B-A2131 FORD METROSTAR CALIPER WIND BACK PENTAGON SOCKET

FORD METROSTAR 煞車分泵五角套筒

- N.W.: 0.07 KGS







H.C.B-A1150 3 PCS PETROL ENGINE SETTING/ LOCKING KIT (FOR FORD & MAZDA)

3 PCS FORD, MAZDA 正時工具組

- Old version contains only camshaft setting and locking plate. The application of this updated kit now covers FOCUS, MONDEO, ESCAPE and COUGAR equipped ZETEC engines after 1998.
- Also suitable for FORD 1.6, 1.8 and twin cam 16V petrol engines.
- Can lock crankshaft to TDC location for FORD 1.25 and 1.4 engines plus the puma 1.7 engines. TDC pin also suitable for MAZDA 121 1.25 petrol engines.
- N.W.: 0.33 KGS



H.C.B-A1107 FORD METROSTAR TIMING PIN

FORD METROSTAR 正時插銷

- Application: FORD, ESCAPE (2300 c.c.), METROSTAR, MAZDA 3 and FOCUS 1.8L/2.0L



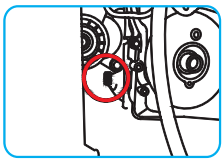


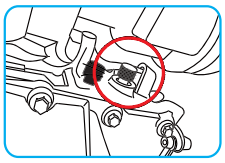
H.C.B-B1107 FORD/ MAZDA TDC TIMING PINS

FORD/ MAZDA TDC 正時插銷

- The application of this updated set now covers zetec engines equipped on Focus, Mondeo and Cougar after 1998.
- Also covers Ford 1.6, 1.8, twin cam 16v petrol engines, and Mazda 121 1.25 L petrol engine.







H.C.B-A2006-1 FORD MONDEO SETTING PIN

FORD MONDEO 正時插銷



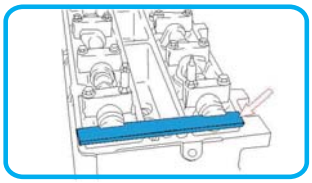


H.C.B-A2006 FORD MONDEO SETTING BAR

FORD MONDEO 正時工具

- For holding camshaft in place.
- Application: FORD MONDEO
- N.W.: 0.2 KGS



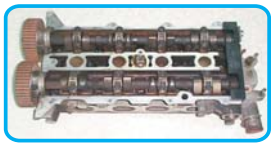


H.C.B-A2007 FORD TELSTAR SETTING BAR (IMPROVEMENT)

FORD 天王星正時工具 (改良型)

- For holding camshaft in place.
- Application: FORD TELSTAR
- N.W.: 0.6 KGS



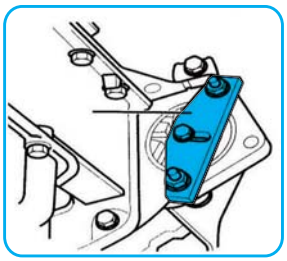


H.C.B-A2208 FORD FLYWHEEL LOCKING TOOL

FORD 飛輪固定工具

- For holding the flywheel and crankshaft at the correct timing position.
- Locking plate is to lock flywheel, the adaptor is for adjusting to fully engage the flywheel ring gear.
- Three adaptors are included.
- Application: Ford diesel and petrol engines.
- **FORD OEM no. ref.:** 303-393A/ 21-168A
  303-393-01, 303-313-02





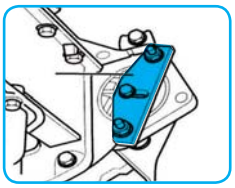
Focus 2.0 TDCi Focus C Max 2.0 TDCi	G6DA, G6DB, G6DC
Focus 1.6T – VCT Focus C Max 1.6Ti – VCT	HXDA
Fiesta 1.8D Turbo	C9DC RTN RTP RTZ, Chain engines
Focus 1.8 / TDdi / TDCi	BHDA / B C9DC, C(DA / B FFDA F9DA / B) KKDA – Chain engines
Focus C Max 1.8 TDCi	KKDA – Chain engines
Toumeo Connect 1.8, TTDi / TDCi	BHPA HCPA HCPB, Chain engines
Transit Connect 1.8, TDDi / TDCi	BHPA HCPA HCPB, Chain engines

H.C.B-A1375 FORD 1.6 16V Ti-VTC TIMING TOOL

FORD 1.6 16V Ti-VTC 正時工具

- To lock and/or position of camshaft, crankshafts and time belt tensioners, as well as for adjusting the VTC-unit.
- Application:
  Ford 1.6 16V Ti-VCT twin camshaft Duratec petrol engines (HXDA), e.g. Ford Focus, C-Max and Mondeo.
  Ford 1.25, 1.4, 1.6, 1.7, 1.8 and 2.0 TwinCam Duratec petrol engines (timing belt or timing chain) e.g. Ford Fiesta/Courier, Fusion, Focus, C-Max, Cougar, Galaxy, Mondeo, Puma and Tourneo, Transit Connect.









H.C.B-B1375 FORD & MAZDA PETROL ENGINE TIMING TOOL

FORD & MAZDA 汽油引擎正時工具

- Application:
  Ford: Cougar 2.0 (98-01), Fiesta 1.25/1.4/1.6 (95-08), Focus 1.4/1.6/1.8/2.0 (98-08), Focus C-Max 1.8/2.0 (02-08), Fusion 1.25/1.4/1.6 (02-08), Mondeo 1.8/2.0 (98-08), Puma 1.7 (97-02), Tourneo Connect 1.8 (02-06), Transit Connect 1.8 (02-06)



H.C.B-A2217 FORD 1.6 Ti-VCT TIMING TOOL KIT

FORD 1.6 Ti-VCT 正時工具組



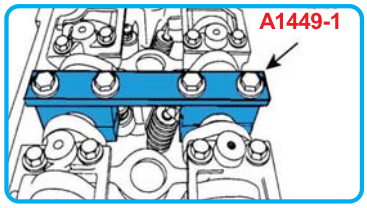
- For replacing the cam belt on Ford Focus / C-Max 1.6 Ti-VTC with engine code HXDA (2003-2007), plus 2.0 TDCi with engine codes G6DA, G6DB, G6DC (2003-2007).
- Kit covers timing belt replacement on Ford 1.6 Duratec engines with variable valve timing. Camshaft, crankshaft and flywheel pins are also suitable for many other petrol and diesel Ford engines.
- **FORD OEM no. ref.:** 303-1097, 303-1059, 303-1054, 303-735, 303-748

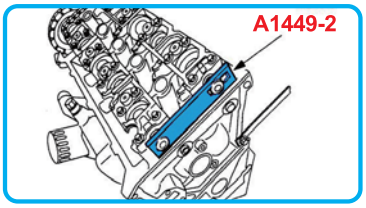
H.C.B-A1449 FORD V8 CAM TOOLS

FORD V8 正時工具組

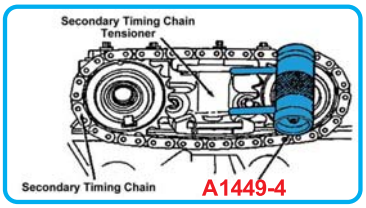
- Used for cam timing when servicing timing belts, chains, head gaskets, or other valve train repairs.
- Saves time; all tools required for camshaft timing are in one kit.
- Application: FORD 1993-2006, Lincoln, Mercury vehicles with 4.6 L 4 Valve engine.
- FORD OEM no. ref.: 303-445, 303-446, 303-447, 303-448











H.C.B-A1433 FORD DURATEC TIMING PIN

FORD 正時插銷

- For locking the crankshaft at the TDC position.
- Application: FORD transit connect 2.0 L DURATEC





H.C.B-A1620 FORD/MAZDA SERPENTINE BELT TOOL (TDCI)

FORD/MAZDA 惰輪皮帶調整扳手 (TDCI)

- Special design for turning the idler and replace the serpentine belt easily.
- For diesel engine 2.0 L.
- Application: FORD: DW10A, DW10B 2.0TDCI



H.C.B-A1684 FORD CRANKSHAFT HOLDING TOOL

FORD 曲軸支擋扳手

- This special holding tool is necessary to stop the crankshaft from rotating when releasing and tightening the crankshaft pulley fasteners. The special profile fits over the bolt heads and permits the use of a long reach socket (not supplied).
- Suitable for Ford Mondeo and Transit models with 2.0, 2.2, 2.4, 3.2 Duratorq Di | TDDi | TDCi diesel engines (01-) and 2.3 Duratec Petrol HE.

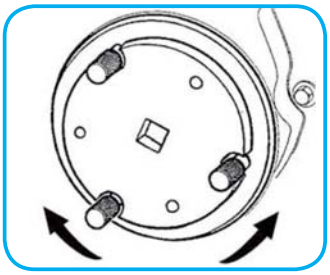


H.C.B-A4013 FORD 2.0/2.2/2.4 TDDi/TDCi DURATORQ ENGINE TIMING TOOLS

FORD 2.0/2.2/2.4 TDDi/TDCi DURATORQ 柴油引擎正時工具組

- Application:
  Ford: Focus, C-Max, S-Max, Mondeo, Nuova Focus, Transit, New Galaxy
  (Engine: 2.0 TDCi, 2.2 TDCi, 2.4 TDCi)
  Jaguar: X-Type (Engine: 2.0 D, 2.2 D)
  Land Rover: Defender (Engine: 2.4 TD4)
- Applicable engine codes:
  FMBA/B, D5BA, ABFA, D3FA, D6BA, HJBA/B, F3FA, D2FA, D4FA, F4FA, FIFA, DOFA, QJBA, QJBB, FXFA, H9FA, 244DT





H.C.B-A1563 FORD DIFF SUPPORT BUSH REMOVAL/ REPLACEMENT TOOL

FORD 差速器鐵套拆裝工具組

- To carry out replacement of the 3 rear differential bushes on Fords ranging from BA-FG as well as the popular Ford Territory. This kit allows you to remove and install the three rear differential bushes on car without dropping the subframe.





- The differential will need to be lowered about 10 cm to gain access to the bushes but this still saves a huge amount of time.

H.C.B-A1530 FORD MONDEO MK4 TRAILING ARM BUSH REMOVER/ INSTALLER

FORD MONDEO MK4 後游臂鐵套拆裝工具組





OEM number:
140.781 E3B2B



Installation



Removal

- Application: FORD MK4 MONDEO (2007 and after)

H.C.B-A1510 ON CAR FORD FOCUS/ MAZDA 3/ VOLVO REAR TRAILING ARM BUSH REMOVER/ INSTALLER

FORD FOCUS/ MAZDA 3/ VOLVO 後游臂鐵套拆裝工具組

Introduction

- This trailing arm bush kit has been designed and developed to quickly, simply and correctly extract and install the rear arm bush.
- This tool can insert the bush to the correct depth. It's the best tool kit in the market!
- Applications: FORD FOCUS 1.4/1.6/1.8/1.8Di/1.8TDCi/2.0 & MAZDA 3, VOLVO.

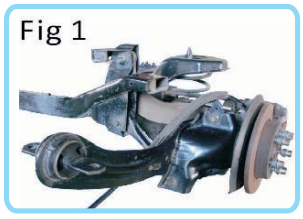
- NOTE!
  The tool will insert the bush to the correct depth, But before installing the new bush, Refer to the vehicle manufacturer's service instructions, Or a proprietary manual, to establish the correct horizonta l alignment/ positioning of the bush in the trailing arm.



New FORD FOCUS 98-04 front suspension trailing arm bush



Black Part for Removal
Golden Part for Installation



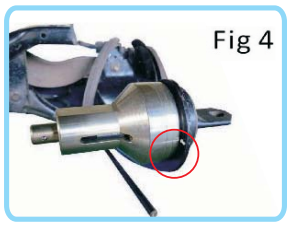




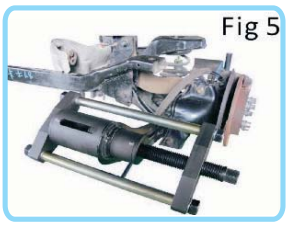
Installation　　Removal



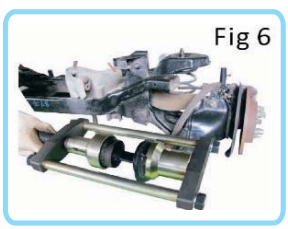
No.5 : 75.5 mm Installing Sleeve.



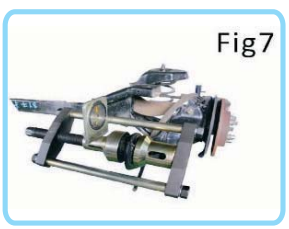
Refer to Fig.4. Before extraction, use NO.5 sleeve to fit the old bush and mark the position where white line point.



Extraction :
Refer to Fig.5. Assemble components as show. As force bolt 1-3 is turned with a wrench or socket and ratchet, double-check the alignment of the tools as the load is applied.



Installation:
Refer to Fig.6 : fit new bush into No.5 sleeve. Slot design of No. 4 should align to raised point. White line on No. 5 should align to mark. It will be perfectly complete while turning 1-3 force bolt to tighten up



Finally, put on a angle gauge,angle should be 90 degree.

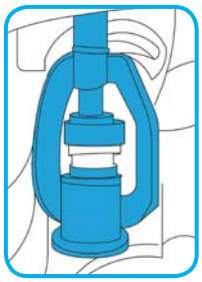
H.C.B-A1532 FORD UPPER A ARM BALL JOINT REMOVAL/ INSTALLATION TOOL

FORD 雙 A 臂上三角架球接頭拆裝工具

- Regular maintenance as following is required:
  Keep jacking screw thread clean and lubricated at all times.
  Lubricate end of Jacking screw with a lithium based grease to prevent excessive wear on the Jacking surfaces.
- Do not apply excessive force to hand press.
- Do not use impact guns on this tool (Will void warranty)
- A selection of spacers always comes in handy (old bearing races are useful).
- Fit a piece of tubing over the threaded end of the ball joint to guide it through the tool.



A1532-9
Optional(選購)



H.C.B-A1583 FORD FOCUS/ MAZDA 3 FRONT WHEEL HUB/ WHEEL BEARING REMOVAL / INSTALLATION TOOL KIT - 82 mm

FORD FOCUS /MAZDA 3 前輪軸培林拆裝工具組 -82 mm

Description:

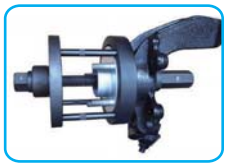
- For removing and installing the wheel hubs and bearings on Ford models.
- Application:
  FORD FOCUS II front axle (since 2004)
  FORD C-Max front axle (since 2007)
  VOLVO C30, C70 front axle (since 2006)
  VOLVO S40, V50 front axle (since 2004)
  MAZDA 3 1.4i/1.6i/2.0i/1.6Di Turbo front axle (since 2003)

H.C.B-A1583



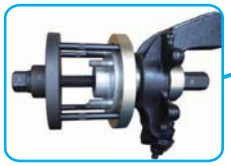
Removal





Installation





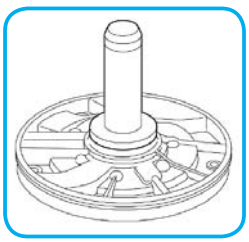


H.C.B-A1696 FORD TORQUE CONVERTER/ REAR CRANKSHAFT/ FOCUS DIFFERENTIAL SEAL INSTALLER

FORD 扭力轉換器 / 曲軸後 / 差速器油封安裝工具

- This tool is designed to install the oil seal.
- **OEM no. ref.:** T94P-77000-C, CFW 003601, 205-115 (15-058)



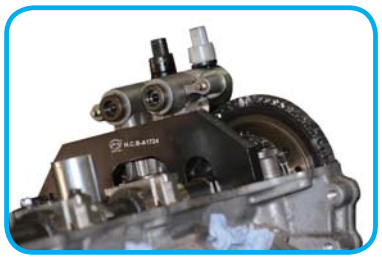


H.C.B-A1724 FORD (3.5L/ 3.7L/ 4.0L) CAMSHAFT TIMING TOOL KIT

FORD (3.5L/3.7L/4.0L) 凸輪軸正時工具組

- This kit contains camshaft holding fixtures and chain tensioner hold down tool.
- Application:
  2007-2015 Ford-Edge
  2011-2015 Ford-Explarer
  2011-2015 Ford-F-150
  2009-2015 Ford-Flex
  2010-2012 Ford-Fusion
  2011-2015 Ford-Mustang
  2014-2015 Ford-Police Interceptor
  2008-2015 Ford-Taurus
  2009-2015 Lincoln- MKS
  2010-2015 Lincoln- MKT
  2007-2015 Lincoln- MKZ
  2015-2015 Lincoln- Navigator
  2007-2015 Mazda- CX-9
- **FORD OEM no. ref.:** 303-1248 and 303-1530



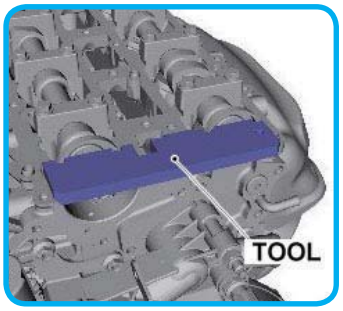


H.C.B-A1889 NEW FORD/ VOLVO 1.6 ECOBOOST CAMSHAFT TIMING TOOL

FORD/ VOLVO 1.6 ECOBOOST 凸輪軸正時工具

- Used to lock the camshafts in timed position when engine repair or rebuild requires the cam pulleys to be removed and timed.
- Applications:
  B-Max 2012/ C-Max 2010/ Fiesta 2013/ Focus 2011/ Galaxy from 2010/ Grand C-Max 2010/ Kuga2013/ Mondoe 2010/ S-Max 2010/ Tourneo Connect 2013/ Transit Connect 2013
  Engine codes: JQMA, JQMB, JTMA, IQJA, JQDA, JQDB, JTDA, JTDB, IQDA, IQDB, PNDA, XTDA, MUDA, JTJA, JTWA, JTWB, JTBA, JTBB, KGBA, JQGA
- **FORD OEM no. ref.:** 303 1054/ 303 748/ 303 1097/ 303 1059/ 303 735/ 303 1552/ 21-162B, 303-376, 303 376B/ 21-163,303-620



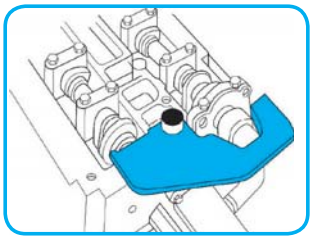


H.C.B-A2329 FORD 2.0 ECOBOOST TIMING TOOL KIT

FORD 2.0 ECOBOOST 正時工具組

- For engines fitted with SCTI Ecoboost/ Ti-VCT 2 L petrol engines
- Engine codes: TNWA/ TNWB/ TNBA/ TPWA/ MGDA/ XQDA
- Application: Galaxy (2010), Mondeo (2010), S Max (2010), Focus (2011)
- **FORD OEM no. ref.:** 303-1504/ 303-1565/ 303-1521/ 303-748





H.C.B-A1732 FORD 4.6 L/ 5.4 L/ 6.8 L 3V ENGINE CAMSHAFT TIMING TOOL KIT

FORD 4.6 L/ 5.4 L/ 6.8 L 3V 引擎凸輪軸正時工具組

- Camshaft timing tool for locking the camshaft and timing chain while servicing.
- Application: Ford 4.6 L/ 5.4 L/ 6.8 L 3 V engine.
- **FORD OEM no. ref.:** 567614, 567617



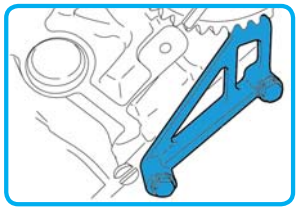
H.C.B-B1732 NEW FORD 4.6 L/ 5.4 L/ 6.8 L 3V ENGINE CAMSHAFT/ VALVE TOOL KIT

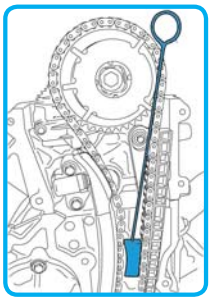
FORD 4.6 L/ 5.4 L/ 6.8 L 3V 引擎凸輪軸正時 / 汽門彈簧工具組

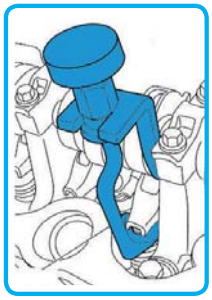
- Camshaft timing tool for locking the camshaft and timing chain while servicing, and a valve spring compressor for valve or rock arm service.
- Application: Ford 4.6 L/ 5.4 L/ 6.8 L 3 V engine.
- **Ford OEM no. ref.:** 567614, 567617



- Instrucitons :







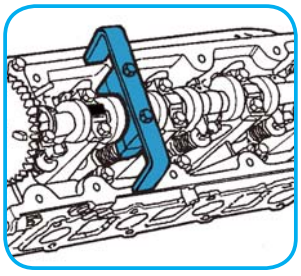
H.C.B-A1738 FORD 4.6/ 5.4/ 6.8 L CAMSHAFT TIMING TOOL KIT

FORD 4.6/ 5.4/ 6.8 L 凸輪軸正時工具組

- This kit is used for cam timing while servicing the engine.
- **FORD OEM no. ref.:** 303-380, 303-413, 303-569, 303-570, 303-557
- Application:

Code no.	Application
H.C.B-A1738-1 H.C.B-A1738-2	1991-1998 4.6 L 2V V8 Crown Victoria, Grand Marquis
	1997-1998 4.6 L & 5.4 L V8, 6.8 L V10 Econoline
	1997-1998 4.6 L & 5.4 L V8 F-Series Truck
	1997-1998 5.4 L V8 Expedition
	1998 5.4 L V8 Navigator
H.C.B-A1738-3 H.C.B-A1738-4	1997-2006 4.6 L & 5.4 L Econoline
	1997-2004 4.6 L & 5.4 L F-Series Truck
	1997-2004 5.4 L V8 Ford Expedition
	1998-2004 5.4 L V8 Lincoln Navigator
	1997-2006 6.8 L V10 Econoline
H.C.B-A1738-5	1997-2006 Windsor V8 Econoline
	1997-2004 Windsor V8 F-Series Truck
	1997-2006 5.4 L V8 Econoline
	1997-2004 5.4 L V8 Expedition, F-Series Truck
	1998-2004 5.4 L V8 Lincoln Navigator
	1997-2006 6.8 L V10 Econoline



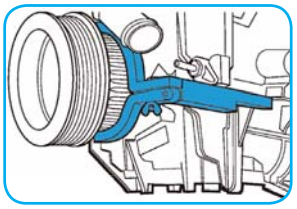


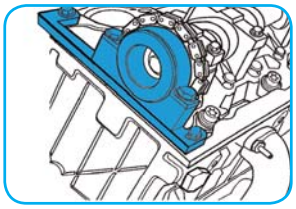
H.C.B-A1739 FORD 4.0 L SOHC V6 CAMSHAFT TIMING TOOL KIT

FORD 4.0 L SOHC V6 凸輪軸正時工具組

- This kit is used for cam timing while servicing the engine.
- Application: Ford Explorer, Mercury Mountaineer with 4.0 L SOHC V6 Engine (1997 - 2002)
- **FORD OEM no. ref.:** 303-564, 303-573, 303-576, 303-577, 303-578, 303-571, 303-565, 303-575





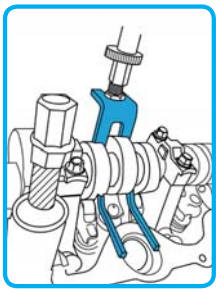


H.C.B-D1637 NEW FORD 4.6 L/ 5.4 L/ 6.8 L 3V ENGINE VALVE SPRING COMPRESSOR

FORD 4.6 L/ 5.4 L/ 6.8 L 3V 引擎汽門彈簧拆裝器

- This valve spring compressor allows quicker, easier service of camshaft, valve seal, valve spring, or retainer.
- Application: Ford vehicles with 4.6 L/ 5.4 L/ 6.8 L 3V engine.
- **FORD OEM no. ref.:** 303-1039



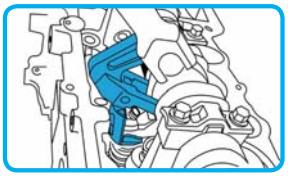


H.C.B-E1637 NEW FORD V8 2V ENGINE VALVE SPRING COMPRESSOR

FORD V8 2V 引擎汽門彈簧拆裝器

- This valve spring compressor allows quicker, easier service of camshaft, valve seal, valve spring, or retainer
- Application: 1991-2004 Ford vehicles with 4.6 L, 2V, V8; 4.6 L, 4V; 5.4 L, V8 and 6.8, V10 engine.



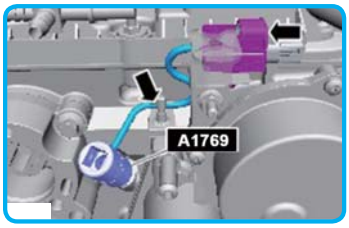


H.C.B-A1769 NEW FORD CYLINDER HEAD TEMPERATURE SENSOR SOCKET (15 mm)

FORD 汽缸頭溫度感應器套筒 (15 mm)

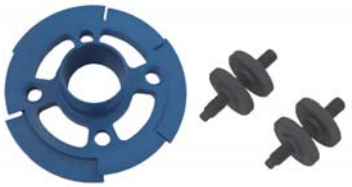
- Size: 15 mm Bi-hex split skirt socket , Dr. 1/2" , Length: 40 mm.
- Application: Ford 1.8/ 2.0/ 2.3/ 2.4/ 3.2 Lynx and Puma diesel from 2002 to 2007 found in Mondeo, Focus, Transit and Fiesta.
- **FORD OEM No. ref.: 303-680**



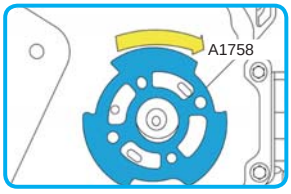


H.C.B-A1758 NEW FORD RANGER/ MAZDA FUEL INJECTION PUMP SPROCKET LOCKING TOOL

FORD RANGER/ MAZDA 燃油噴射幫浦齒盤固定工具



- The injection pump sprocket locking tool is required to retain the pump timing position and is fitted in a clockwise direction with the bayonet slots located on the aperture lugs.
- The fuel Injection pump sprocket locking tool is used with diesel pump sprocket puller H.C.B-A1776 to press the high pressure fuel pump from the high pressure fuel pump drive gear.
- Application:
  Ford Transit and Ford Ranger with:
  2.2L Duratorq-TDCi (Global Puma) Stage V Diesel : 2006.5 (04/2006-)
  2.2L Duratorq-TDCi (Puma) Diesel : 2012 (04/2011-)
  3.2L Duratorq-TDCI (Puma) Diesel : 2012 (04/2011-)
- **FORD OEM No. ref.:** 303-1317

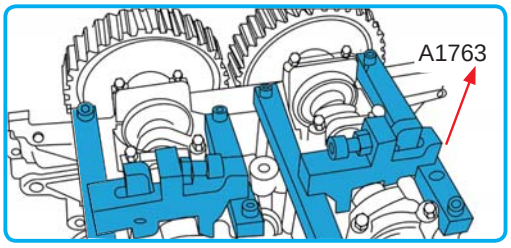


H.C.B-A1763 NEW FORD PETROL ENGINE TIMING TOOL KIT (1.0 ECOBOOST)

FORD 汽油引擎正時工具組 (1.0 ECOBOOST)



- Contain tools vital for setting and locking the engine and for setting the position of the variable cam timing units.
- Application:
  Ford: B-MAX, C-MAX, EcoSport, Fiesta, Focus, Grand C-MAX
  Engine: 1.0 EcoBoost, 1.0 SCTi EcoBoost
  Engine codes: SFJA, SFJB, M1DA, M2DA, M1JC, M1JE, P4JA, P4JB, FORD
  B-MAX
  1.0 EcoBoost SFJA 2012-2014
  1.0 EcoBoost SFJB 2012-2014
  C-MAX
  1.0 EcoBoost M1DA 2012-2014
  1.0 EcoBoost M2DA 2012-2014
  EcoSport
  1.0 EcoBoost M1JC 2012-2014
  1.0 EcoBoost M1JC 2012-2014
  Fiesta
  1.0 EcoBoost M1JE 2012-2014
  1.0 EcoBoost M1JE 2012-2014
  1.0 EcoBoost SFJA 2012-2014
  1.0 EcoBoost SFJB 2012-2014
  1.0 EcoBoost P4JA 2013-2014
  1.0 EcoBoost P4JB 2013-2014
  Focus
  1.0 SCTi EcoBoost M1DA 2012-2014
  1.0 SCTi EcoBoost M2DA 2012-2014
  Grand C-MAX
  1.0 EcoBoost M1DA 2012-2014
  1.0 EcoBoost M2DA 2012-2014



- **Ford OEM No. ref.:**

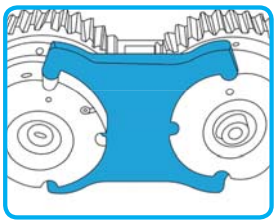
Item no.	OEM	Description
1	303-1605/1	Camshaft locking tool
2	303-1605/2	Camshaft locking tool
3	303-1604	Crankshaft timing pin
4	303-1602	Flywheel locking tool
5	303-732	Camshaft alignment tool
6	303-1054	Tensioner pulley locking pin

H.C.B-A1764 NEW FORD 1.4/ 1.6/ 1.8/ 2.0 DI/ TDCI/ TDDI, MAZDA TIMING TOOL KIT

FORD 1.4/ 1.6/ 1.8/ 2.0 DI/ TDCI/ TDDI, MAZDA 正時工具組



- Master kit of setting & locking tools suitable for a wide range of modern Ford vehicles.
- Also suitable for some Mazda vehicles.
- **Application - Diesel:**
  Ford; 1.4, 1.6TDCi, 1.8DT/TDCi/TDdi, 2.0 TDCi - Courier (00-02), Fiesta (02-09), C-Max (03-08), Focus (98-00), Fusion (02-08), Galaxy (06-08), Mondeo (07-08), S-Max (06-08), Tourneo Connect (02-08), Transit Connect (02-08)
- Engine Codes - Diesel:
  F6JA, F6JB, F6JC, HHJA, HHJB, G8DA, HHDA, HHDB, RTN, RTQ, RTP, C9DC, BHDA/B, BHPA, C9DA/B, C9DC, F9DA/B, FFBA, FFDA, HCPA, HCPB, KKDA, P7PA, P9PA, QYWA, R2PA, R3PA, RWPA, G6DA, G6DB, G6DC, AZWA, QXWA
  Application - Petrol:
  Ford; Cougar 2.0 (98-01), Fiesta 1.25/1.4/1.6 (95-08), Focus 1.4/1.6/1.8/2.0 (98-08), Focus 1.6Ti-VCT (04-09) HXDA, Focus C-Max 1.8/2.0 (02-08), Fusion 1.25/1.4/1.6 (02-08), Mondeo 1.8/2.0 (98-08), Puma 1.7 (97-02), Tourneo Connect 1.8 (02-06), Transit Connect 1.8 (02-06)
  Engine Codes - Petrol:
  AODA/B, ASDA, ASDB, CFBA, CGBA/B, CHBA/B, CJBA/B, CSDA/B, DHA, DHB, DHC, DHD, DHE, DHF, DHG, EDBB, EDBD, EDDB, EDDC, EDDD, EDDF, EYDB, EYDC, EYDD, EYDE, EYDF, EYDG, EYDI, EYDJ, EYPA, EYPC, F8JA, F8JB, FHA, FHD, FHE, FHF, FUJA, FUJB, FXDA/C, FXDB/D, FXJA, FXJB, FYDA/C, FYDB/D, FYJA, FYJB, HWDA, HWDB, L1F, L1J, L1L, L1N, L1Q, L1T, L1V, L1W, M7JA, M7JB, MHA, MHB, NGA, NGB, NGC, NGD, QQDA/B/C, QQDB, RKA, RKB, RKF, RKH, RKJ, RKK, HXDA

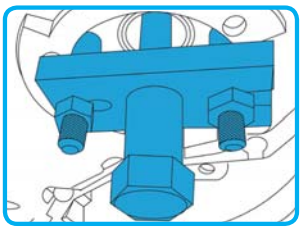


- **FORD OEM No. ref.:**
  21-104/303 193, 21-162B/303 376, 21-163/303 620, 21-168/303 393, 21-210/303 507, 21-229/303 651, 21-260/303 732, 21-262/303 734, 21-263/303 735, 303 748, 303 1054, 303 1059, 303 109

H.C.B-A1776 NEW FORD/ LAND ROVER DIESEL PUMP SPROCKET PULLER

FORD/ LAND ROVER 柴油幫浦齒輪拔卸器





- From 2011 onward, the sprocket no longer has threaded holes which means the legs of the puller to remove the sprocket must be hooked-in shape.
- This puller allows the high pressure diesel injection pump to be pushed out of the pump sprocket without removing the timing chain.
- This puller can work together with H.C.B-A1758.
- Application: Ford Transit from 2011, 2.2 TDCi (Puma) also builtin to Land Rover Defender 2.2 TD4 2001 to 2015

H.C.B-A1822 NEW FORD OIL FILTER WRENCH (Dr. 1/2", 27 mm)

FORD 機油芯扳手 (Dr. 1/2", 27 mm)



- Size: Dr.1/2" x 27mm x12 points.
- Application:
  FORD 2.0, 2.2L diesel engine TDCI/ HDI on Focus, Mondeo, S Max, Galaxy, Euro 6 compliant engines from 2010 onwards.
  Citroen & Peugeot 2.2 HDI (DW12C) from 2010, 2.0 HDI (DW10C)from 2009,
  Jaguar XF 2.2D from 2012
- **FORD OEM No. ref.:** 303-1579

H.C.B-A1845 NEW FORD TRANSIT REAR HUB NUT SOCKET

FORD TRANSIT 後轂螺帽套筒

- Heavy-duty 4-point specialized impact socket for removing the rear hub nut on RWD Ford Transit.
- Alignment shaft allows accurate location onto castellated nut.
- Application: Ford Transit 2014>
- **FORD OEM no. ref.:** 205-1007



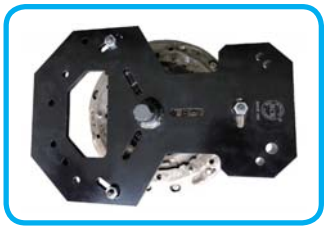
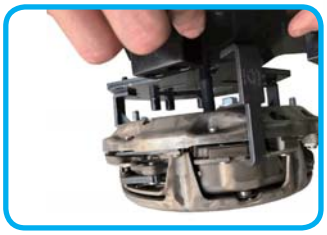


H.C.B-A1847 NEW FORD POWERSHIFT TRANSMISSION DUAL CLUTCH REMOVER/ INSTALLER FIXTURE KIT

FORD POWERSHIFT 雙離合器變速箱拆裝工具組

- For replacing the transmission clutch.
- Application: DPS6/6DCT250 Transmission
  Fiesta (2011~2018)
  Focus (2010~2018)
  Focus RS (2016~2018)
- **FORD OEM No. ref.:** 307-675

H.C.B-A1847

H.C.B-B1847 NEW FORD DRY TYPE TRANSMISSION OIL SEAL REMOVER/ INSTALLER

FORD 乾式變速箱油封拆裝工具

- Specially designed to use on dry type transmission oil-seal installer/remover.
- Application: Volvo, Ford TRANSMISSION DPS6.
  DPS6/6DCT250 Transmission
  Fiesta (2011~2018)
  Focus (2010~2018)
  Focus RS (2016~2018)
- **FORD OEM no.ref.:** 307-671/307-672 / 307-673 / 307-674



H.C.B-A1869 NEW FORD/ MAZDA REAR CAMSHAFT PULLEY REMOVER/ INSTALLER

FORD/ MAZDA 後凸輪軸皮帶盤拆裝工具

- Designed to install and remove rear camshaft pulley which connect to the water pump on V6 engine.
- Application: FORD, MAZDA 2.5L, 3.0L, V6 engine.



H.C.B-A1879 NEW FORD 2.0 ECOBLUE DIESEL INJECTION PUMP REMOVER / INSTALLER

FORD 2.0 ECOBLUE 柴油噴射幫浦拆裝工具組



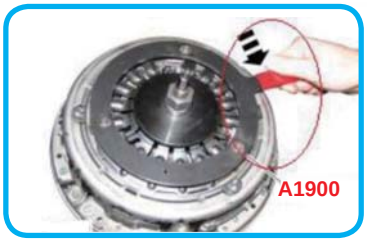
- Designed for the removal and replacement of the high pressure fuel pump from the drive gear. The gear will be maintained in its correctly timed position so that no adjustments to the timing are required when the pump is refitted.
- Application:
  Ford Transit, Transit Custom and Tourneo Custom with 2.0L it Ecoblue TDCi engines: AWD, FWD, RWD 2016 onwards
- Engine codes: 2.0 YLFS, YMFS, YNFS, YLF6, YMF6, YNF6, YLR6, YMR6, YNRS
- **FORD OEM no. ref.:** 303-1635.

H.C.B-A1900 NEW FORD 6-SPEED POWERSHIFT TRANSMISSION TOOL

FORD 6 速 POWERSHIFT 變速箱工具



- Application:
  Automatic Shifting Manual Transmission/Transaxle : Fiesta : 2011, 2012, 2013
  Automatic Transmission - Vehicles With: 6-Speed Automatic Transmission - 6DCT250 :
  Fiesta : 2010, 2011, 2012, 2013
  Automatic Transmission - Vehicles With: 6-Speed PowerShift Transmission - DPS6/6DCT250 : Fiesta : 2013
  Automatic Transmission - Vehicles With: 6-Speed PowerShift Transmission - DPS6/6DCT250 : Focus : 2010, 2011, 2012, 2013
- **FORD OEM no.ref.:** 307-676



H.C.B-A1903 NEW FORD 6-SPEED POWERSHIFT TRANSMISSION ACTUATOR SOCKET

FORD 6 速 POWERSHIFT 變速箱傳感器套筒



- Automatic Shifting Manual Transmission/Transaxle : Fiesta : 2011
- Automatic Transmission - Vehicles With: 6-Speed PowerShift Transmission - DPS6/6DCT250 : Focus : 2010/2011
- Automatic Transmission - Vehicles With: 6-Speed Automatic Transmission - 6DCT250 : Fiesta : 2010/2011
- Automatic Shifting Manual Transmission/Transaxle : Fiesta : 2012
- Automatic Transmission - Vehicles With: 6-Speed Automatic Transmission - 6DCT250 : Fiesta : 2012
- Automatic Transmission - Vehicles With: 6-Speed PowerShift Transmission - DPS6/6DCT250 : Focus : 2012
- Automatic Shifting Manual Transmission/Transaxle : Fiesta : 2013
- Automatic Transmission - Vehicles With: 6-Speed Automatic Transmission - 6DCT250 : Fiesta : 2013
- Automatic Transmission - Vehicles With: 6-Speed PowerShift Transmission - DPS6/6DCT250 : Fiesta : 2013 : Focus : 2013
- **FORD OEM no. ref.:** 307-677

H.C.B-A1916 NEW FORD TERRITORY 2.7L V6 DIESEL CRANKSHAFT LOCKING PIN

FORD TERRITORY 2.7L V6 柴油曲軸固定工具

- Locking Pin for PSA 2.7L diesel belt drive engines.
- Not recommended for crankshaft nut removal.
- Models: Ford Territory
- Engines: 2.7 Diesel V6
- **FORD OEM no.ref.:** 303-1585



H.C.B-A1946 NEW FORD DAMPER/ CRANKSHAFT OIL SEAL INSTALLER

FORD 阻尼器 / 曲軸油封安裝器

- Applications: 7.3L Powerstroke or T444E
- This dual usage tool was designed to install both the front seal and the damper. Smooth screw force is used to prevent hammering and damage to components.
- **FORD OEM no.ref.:** 303-484



H.C.B-B1946 NEW FORD DAMPER/ CRANKSHAFT FRONT SEAL INSTALLER

FORD 阻尼器 / 曲軸前油封安裝器

- This tool comes with two different draw bolts, one for the 7.3L Ford Powerstroke crank and one for the International T 444E, Navistar.



HWANG CHERNG BIN ®
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018

HWANG CHERNG BIN
Specialty Tools Inc.

福斯修護工具

VW REPAIR TOOL











H.C.B-A1045 VW / AUDI STRUT SOCKET

VW/ AUDI 避震器座拆卸套筒

- For removing and installing the top shock retaining nut on most FWD, VW and AUDI.
- Fit the slot on the top of strut retaining nut 22 mm (Dr. 7/8") hex for using with a wrench.
- N.W.: 0.1 KGS





H.C.B-A1053 VW T4 SUB-FRAME BUSH EXTRACTOR/ INSTALLER

VW T4 三角架鐵套拆裝工具組

5 / 18.8 / 20 / 1.59'

- Used for R&R rear wheel bearing located in wheel carrier.
- This tool is also used on installing the rear axle shaft flange.
- Application: VW T4





H.C.B-A1055 VW/ AUDI FRONT AXLE CAMBER ADJUSTER

VW/ AUDI 前軸外傾角調整工具

- For removing the subframe to adjust camber.
- Application: VOLKSWAGEN, AUDI A3, A4, B5 and new PASSAT.





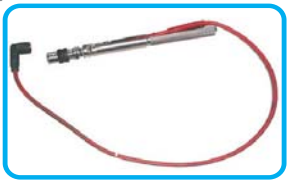


H.C.B-A1078 SPARK PLUG ELECTRIC WIRE REMOVER (VW VR6, PASSAT, BENZ V-CLASS)

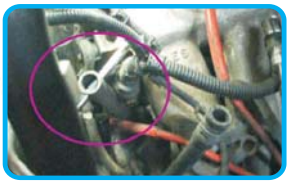
火星塞高壓線拔取器 (VW VR-6, PASSAT,BENZ V-CLASS)

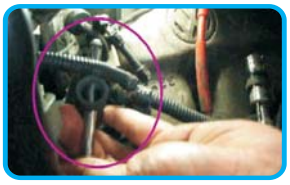
- The tool is designed to separate the electric wire from spark plug.
- Application: VW VR6, PASSAT, BENZ V-CLASS, AUDI V6.
- N.W.: 0.24 KGS









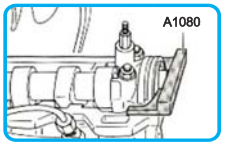


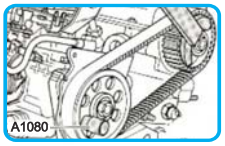
H.C.B-A1080 VW DIESEL 2400 c.c. CAMSHAFT ALIGNMENT TOOL

VW 柴油 2400 c.c. 偏心軸正時工具組 (含插銷)

- Lock the camshaft on the proper position to allow the drive belt to be removed or replaced.
- N.W.: 1.1 KGS G.W.: 1.2 KGS
- **VW OEM no. ref. :** 2065A, 2064.







H.C.B-A1424 VW/ AUDI A6&A8 ADJUSTABLE TIMING TOOL

VW/ AUDI A6&A8 可調式正時工具

- For holding the camshafts at TDC position when replacing timing belt.
- Application :
  AUDI: A6, A8, S4, ALLROAD (95-04) 80 (91-96), A4 (94-99), Coupe (91-96), Cabriolet.
  VW: PASSAT (96-04) with codes: ACK, AGA, AGB, AJG, ALF, ALG, ALW, AML, AMM, AMX, APR, APS, APZ, AQD, ARE, ARJ, ASM, BDV, BES.



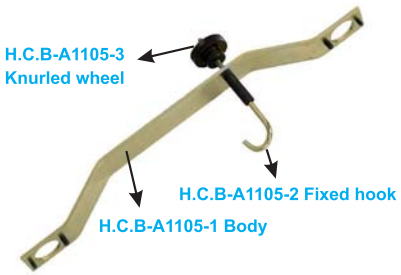


H.C.B-A1105 VW/ AUDI V6 CAMSHAFT SETTING PLATE

VW/ AUDI V6 引擎正時工具

10 / 22 / 24.8 / 1.53'

- For holding the camshafts at TDC position when replacing timing belt. A1105-4 (optional accessory) is a locking pin.
- Application: Audi: 80 (91-96), A4 (94-99), Coupe (91-96), Cabriolet (91-100), A6 (94-97), A8 (94-00).
- P.C.D.: 515 mm.
- **VW OEM no. ref. :** 3243







H.C.B-A1161 VW/ AUDI V6 CAMSHAFT SETTING PLATE

VW/ AUDI V6 引擎正時工具

10 / 21.62 / 24.3 / 1.77'

- For holding the camshafts at TDC position when replacing timing belt. Conjunction with H.C.B-A1105-4 (optional accessory).
- Application:
  AUDI: A4, A6, A8, S4, ALLROAD (95-04)
  VW: PASSAT (96-04) WITH CODES: ACK, AGA, AGB, AJG, ALF, ALG,ALW, AML, AMM, AMX, APR, APS, APZ, AQD, ARE, ARJ, ASM, BDV, BES.
- P.C.D.: 616 mm.
- **VW OEM no. ref. :** 3391.



H.C.B-B1205 VAG PETROL ENGINE LOCKING TOOL KIT (3.7/4.2 V8)

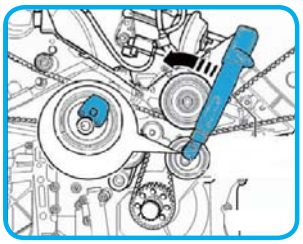
VAG 汽油引擎固定工具組 (3.7/4.2 V8)

- Engine setting and locking tool kit for the 3.7 and 4.2 V8 engines in Audi (A6, A8 and S6) and VW (Touareg and Phaeton) models.
- Applications:
  Audi: A6, A8, S6.
  VW: Phaeton, Touareg. Engine Types: AKC, ANK, AQF, AQG, AQJ, ARS, ARU, ASG, AUW, AVN, AWN, AXQ, BGH, BGJ, BHX.



Code no.	Parts No.	Description	OEM no.ref.:
1	A1205	VW, AUDI V8 camshaft alignment tool	T40005
2	B1235-4-2	Tensioner retaining pin	T40011
3		Tensioner adjuster	T40009
4	A1105-4	VW/AUDI petrol V6 crank locking pin	3242





H.C.B-A1205 VW/ AUDI V8 CAMSHAFT ALIGNMENT TOOL

VW/ AUDI V8 正時工具

10 / 14.6 / 18 / 1.07'





- For holding the camshafts at the TDC position while replacing the timing belt. Conjunction with H.C.B-A1105-4. (Optional accessory)
- Applicable engine model:
  AUDI: A6/ Quattro (99-05), S6 (00-04), A8 (99-06), S8 (99-03), RS4 (03-05), RS6 (03-04).
  VW: Touran (03-06), Phaeton (03-04).
- P.C.D.: 622 mm
- **VW OEM no. ref.:** T40005

H.C.B-A1105-4 VW/ AUDI PETROL V6 CRANK LOCKING PIN

VW/ AUDI V6 引擎正時插銷

- For locking the crankshaft at the TDC position when replacing timing belt or removing crankshaft bolt.
- Application: V6, V8 engine
- **VW OEM no. ref. :** 3242.



Size: M18*P1.5

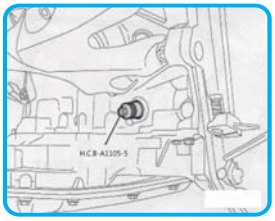
H.C.B-A1105-5 VW/ AUDI V6 CRANK LOCKING PIN

VW/ AUDI V6 正時插銷

- For locking the crankshaft at the TDC position when replacing timing belt or removing crankshaft bolt.
- Application: V6, V8 engine
- **VW OEM no. ref. :** T40062



Size: M12*P1.5

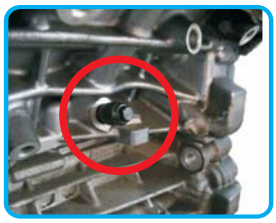


H.C.B-A1105-6 VW/ AUDI (2.0,2.4,2.8,3.0,3.2 FSI) CRANKSHAFT LOCKING PIN

VW/ AUDI (2.0,2.4,2.8,3.0,3.2 FSI) 正時插銷

- For locking the crankshaft at the TDC position when replacing timing belt or removing crankshaft bolt.
- Application:
  VW/Audi engines: 2.5L 5 cyl. (BGP, BGQ, BPR, BPS, CBTA and CBUA) 3.2L V6 4v (BKH and CALA) 2.0, 2.4, 2.8, 3.0, 3.2 FSI
- Size: M14 x P 1.5
- **VW OEM no. ref. :** T40069





H.C.B-A1105-7 VW/ AUDI (1.4,1.6 FSI ,TSI) CRANKSHAFT LOCKING PIN

VW/ AUDI (1.4,1.6 FSI ,TSI) 正時插銷

- For locking the crankshaft at the TDC position when replacing timing belt or removing crankshaft bolt.
- Size: M14 x P 1.5
- **VW OEM no. ref. :** T10340



H.C.B-A1160 VW VIBRATION DAMPER COUNTER HOLDER

VW 曲軸油封更換器

- Lock the position of vibration damper and crankshaft sprocket when removing to replace front crankshaft seal.
- Application: VW T4 2.4 / 2.5, T5.
- N.W.: 2.08 KGS.



H.C.B-A1108 ON CAR VW T4 FRONT AXLE UPPER BALL-JOINT EXTRACTION/ INSTALLATION TOOL KIT PAT. I 233868 DE PAT.

VW T4 前上三角架球接頭拆裝工具組

5 / 19 / 20 / 1.77'





T4 2000CC AXLE



T4 2500CC AXLE













- Suitable for removing and installing the upper front ball joint on-vehicle without the need of disassembly.
- Features a variety of adaptors used in different combinations for extraction and installing.
- Application: VW T4 (2000 c.c.), T4 (2500 c.c.)

H.C.B-A1162 VW VR6 CAMSHAFT ALIGNMENT TOOL

VW VR6 引擎正時工具組

- To locate the camshaft for proper position timing when assembling the VR6 engine.
- Application:
  Ford:Galaxy VR6 (95-00), Seat; Toledo (99-05), VW:Corrado (92-95), Bora/ Golf (97-04), Passat (91-05), Sharan (95-00), Transporter (96-03), Vento (91-97).
- N.W.: 0.302 KGS
- **VW OEM no. ref. :** T10068, 3268.

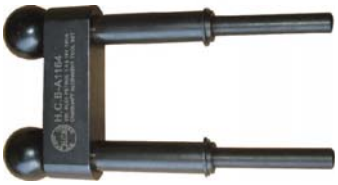




H.C.B-A1164 VW/ AUDI PETROL 1.4 &1.6 16V TWIN CAMSHAFT ALIGNMENT TOOL KIT

VW/ AUDI 1.4 & 1.6 16V 引擎正時工具組

50 / 16.7 / 17.8 / 0.89'





- It is convenient for working and adjusting the timing on crankshaft.
- Application: AUDI : A2 (00-04)
  SEAT : AROSA 1.4(99-05), CorDOBA 1.4(99-08) Lbiza 1.4(99-08) Inca 1.4 (00-04) Leon 1.4, 1.6 (99-05), Toledo 1.4,1.6(99-05) Skoda; Fabia 1.4(99-05), Octavia 1.4 (99-05), VW; Beetle 1.4, 1.6(01-08), Bora 1.4 1.6(97-08), Caddy 1.4 1.6 (99-08), Golf 1.4, 1.6 (97-08), Lupo 1.4 1.6 (98-05), Polo 1.4, 1.6 (98-07).
- **VW OEM no. ref. :** T10074/ T10016.

H.C.B-A1195 VW, BMW SOCKET (Dr. 1/2" , 12 POINTS, 21 mm)

VW, BMW 避震器固定套筒 (Dr. 1/2", 12 角 , 21 mm)

- For installing and removing the front strut units on VW-GOLF 2 and JETTA since 1987, GOLF 3 and VENTO since 1993, PASSAT since 1988 and some PORSCHE.
- For loosing shock absorbers bolt on BMW E38, E39, E46, E52, E53, E60, E61, E63, E64, E65, E66, E83, E85, E86, E87, E90, E91, E92, E93, R50, R52, R53
- Drive 12.5 = 1/2''
- Surface chrome-plated.
- Chrome – Vanadium.
- N.W.: 0.142 KGS.





H.C.B-B1195 VW, BMW SOCKET (Dr. 1/2" , 12 POINTS, 22 mm)

VW, BMW 避震器固定套筒 (Dr. 1/2", 12 角 , 22 mm)

- For releasing shock absorber retainer nut of most European models
- Allow easy combination with an adjusting wrench
- Application: BMW E38, E39, E46, E52, E60, E61, E63, E64, E65, E66, E83, E85, R50, R52, R53 and VW Volkswagen , Audi , Mercedes
- N.W.: 0.159 KGS





H.C.B-A1200 IDLER PULLEY WRENCH

惰輪調整器

- For adjusting the toothed belt on the automatic tensioning pulley.
- Especially for VW Polo Diesel, AUDI 100 since 1991, AUDI A6 with 2.5 L TDi engine.
- S: 32 mm
- Special steel
- Surface mat chrome-plated, handle plastic coated.

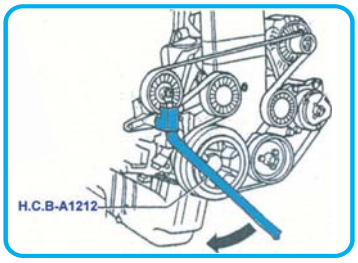


H.C.B-A1212 VW RIBBED BELT TENSIONING WRENCH

VW 正時張力皮帶調整扳手

- For holding V belt tension when removing and installing the V-belt.
- Application: VW - GOLF, JETTA, GTI, T4 1991-1999 , AUDI - A6.
- Engines: 1Z, AAB, AAZ, AAF, ABA, ACC, ACU, ACV, AHU, AVK.
- N.W.: 0.8 KGS.
- **VW OEM no.ref.:**3299





H.C.B-B1212 NEW RIBBED BELT INSTALLATION TOOL

V 型皮帶安裝工具

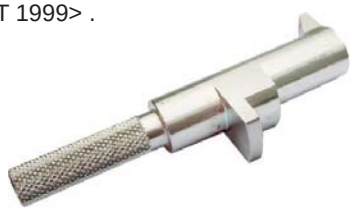
- It must be used with H.C.B-A1212
- **VW OEM no.ref.:**3299/1



H.C.B-A1213 VW/ AUDI CLUTCH RETAINING BAR

VW/ AUDI 離合器安裝固定器

- Application: GOLF 2004 >, TOURAN 2004 >, AUDI A3 2004 > , AUDI TT 1999> .
- Direct shift gearbox 02E
- For assembly of multiple clutch
- N.W.: 0.114 KGS



H.C.B-A1214 VW/ AUDI CAM CHAIN TENSIONER RETAINER

VW/ AUDI 固定凸輪軸調整器

- For holding the chain and tensioner in position when assembly and disassembly.
- Application:
  AUDI: AHA, AMB, AMU, APB, ART, ATC, ATQ, AWM, AWN, AWP, BBD, BCY, BEA, BEL,BFM
  VW: AHA, APH, ATQ, AUG, AWM, AWP, AWV, BKF, BNU 1998-2006
- N.W.: 0.04 KGS
- **VW OEM no. ref. :** 3366



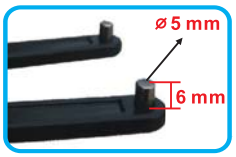


H.C.B-A1215 AUDI V6 FAN CLUTCH FIXING WRENCH

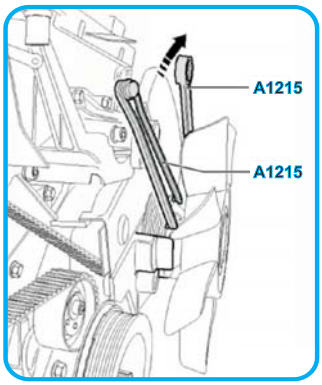
AUDI V6 風扇離合器固定扳手

- For removing and installing the viscous clutch radiator fan and the central hydraulic pump pulley.
- N.W.: 0.252 KGS.









H.C.B-B1215 VW PASSAT/ AUDI A4 FAN CLUTCH FIXING WRENCH

VW PASSAT / AUDI A4 風扇離合器固定扳手

- For removing and installing the viscous clutch radiator fan and the central hydraulic pump pulley.
- Application: VW/ AUDI A6 (1995).









H.C.B-A1217 VW/ AUDI FUEL SENDER WRENCH

VW/ AUDI 油箱蓋拆裝器

- For removing and installing the fuel gauge sending unit (139 mm).
- Dr.1/2".
- Application: M-Benz, BMW. Some VW/ Audi and Porsche Boxster/ 911.
- N.W.: 0.492 KGS





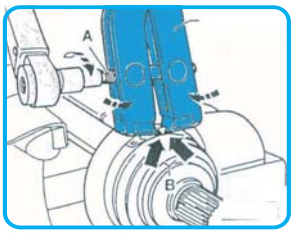


H.C.B-A1218 VW/ AUDI CV JOINT BOOT CLAMP TOOL

VW/ AUDI 防塵套束裝器

- Tool for applying single eye clips, used on outer CV joint boots of drive shafts on GOLF and PASSAT, all AUDI models, FORD, OPEL and VAUXHALL…etc.
- Tool can also be used for assembling dustproof systems on Audi vehicles and to repair air spring on Audi A8, model year 2003 and onwards.
- The 3/8" torque wrench is deal to provide the drive.
- N.W.: 1.204 KGS.
- **VW OEM no. ref. :** VAG 1682.





H.C.B-A1219 VW/ AUDI SPARK PLUG ELECTRIC WIRE PULLER

VW/ AUDI 火星塞高壓線拔取器

100 / 16.8 / 18.3 / 3.35'

- For new BEETLE and cars with 2.0 engine , VW GOLF IV & V with 1.6 engine, VW, AUDI, BORA, BENZ, SMART … etc.
- For removing and installing spark plug connectors.
- Made of stainless steel.
- Length: 264 mm.
- **VW OEM no. ref.:** T10112.



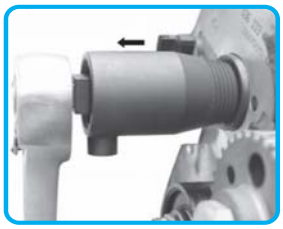


H.C.B-A1231 VW OIL SEAL PULLER (27 mm) (Dr. 1/2")

VW 油封拆卸器 (27 mm) (Dr. 1/2'')

- For removing camshaft oil seals.
- Application: VW LUPO1.4, NEW POLO 1.4
- N.W.: 0.424 KGS
- **VW OEM no. ref. :** T10018.





H.C.B-B1231 VW OIL SEAL DRIVER

VW 油封安裝器

- For Installing camshaft oil seals.
- Application : VW LUPO 1.4, NEW POLO 1.4
- N.W.: 0.174 KGS.

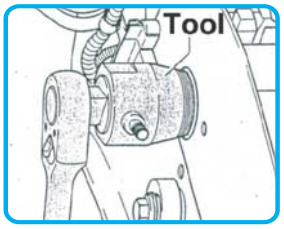


H.C.B-A1232 VW OIL SEAL PULLER (32 mm)

VW 油封拆卸器 (32 mm)

- Remove crankshaft (early), camshaft and cam position sensor seals.
- Application: VW & AUDI, all engines except diesel.
- N.W.: 0.416 KGS.
- **VW OEM no. ref.:** 2085



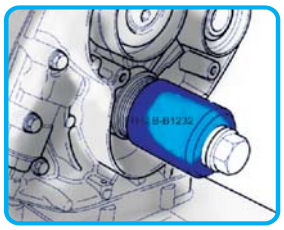


H.C.B-B1232 VW OIL SEAL DRIVER

VW 油封安裝器

- For installing crankshaft pulley, camshaft and intermediate shaft oil seals, 4 pieces / set.
- Application: VW Golf, Rabbit, Fox, GTI, Scirocco, AUDI All except V8.
- N.W.: 0.5 KGS.
- **VW OEM no. ref.:** 10-203.



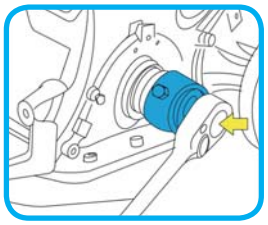


H.C.B-A1233 VW OIL SEAL PULLER (35 mm)

VW 油封拆卸器 (35 mm)

- For removing front crankshaft (pulley) seal at the vibration damper.
- Application: VW & AUDI late models.
- N.W.: 0.64 KGS.
- **VW OEM no. ref.:** 3203





H.C.B-B1233 VW OIL SEAL DRIVER

VW 油封安裝器

- For installing crankshaft oil seal (vibration damper end)
- Application: VW-VR6 engine.
- **VW OEM no. ref.:** 3266



H.C.B-A1234 VW OIL SEAL PULLER (32 mm) LONG BODY

VW 油封拆卸器 (32 mm)

- For removing left and right front camshaft oil seals.
- Application: VW VR6, AUDI V6
- N.W. : 0.902 KGS.
- **VW OEM no. ref.:** 3240







H.C.B-B1234 VW CAMSHAFT SEAL INSTALLER

VW 凸輪軸油封安裝器

- Used to press in camshaft oil seals.
- Application: Audi 2.7L & 2.8L V6 engines and VW
- **VW OEM no. ref.:** 3241.





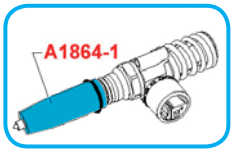


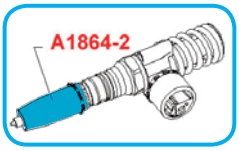
H.C.B-A1864 NEW VW INJECTOR O-RING INSTALLER KIT

VW 噴油嘴 O 型環安裝工具組

- Used for installing the o-ring on the unit injector.
- Application: 4-cyl. Diesel engine (4 valves).
- **VW OEM no. ref.:** T10164





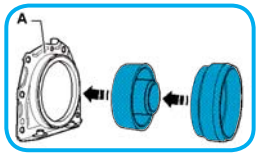


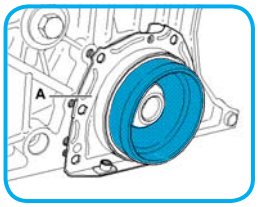
H.C.B-A1951 NEW VW/ AUDI PTFE CRANKSHAFT REAR SEAL INSTALLER

VW/ AUDI PTFE 曲軸後油封安裝器

- Used when assembling PTFE crankshaft seal, flywheel end.
- Used for proper installation of rear main seal
- For vehicles with TSI engines only.
- **VW OEM no.ref.:**
  T10122/1 = guide piece
  T10122/2 = guide piece
  T10122/3 = thrust piece
  T10122/4 = thrust piece
  T10122/5 = thrust piece
  T10122/6a = crank shaft seal installer - guide piece





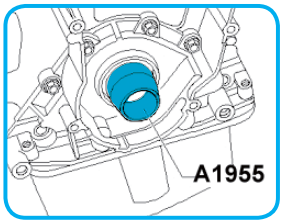


H.C.B-A1955 NEW VW/ AUDI CRANKSHAFT SEAL INSTALLER

VW/ AUDI 凸輪軸油封安裝器

- Designed for installing the crankshaft sealing ring.
- Used on diesel 3 & 4 cyl. Diesel engines with pump injector.
- **VW OEM no.ref.:**T10053





H.C.B-B1230 NEW VW/ AUDI BELT TENSIONER ADJUSTER

VW/ AUDI 張力皮帶調整器

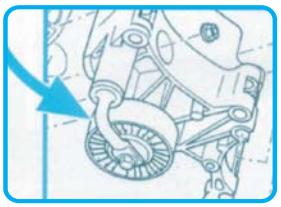




H.C.B-A1230 VW/ AUDI DRIVING TOOL FOR TENSIONING DEVICE

VW/ AUDI 張力皮帶調整器





- For operating the tensioning device when changing the V-ribbr belt on VW Polo, GOLF and PASSAT, AUDI since 1991.
- Special steel.
- Surface chrome-plated.
- N.W.: 0.354 KGS.

H.C.B-C1235 AUDI CAMSHAFT ADJUSTMENT GAUGE KIT (3.0L, V6, PETROL ENGINE)

AUDI 正時工具組 (3.0L, V6, 汽油引擎)



- To timing left and right camshafts of petrol engine.
- Include camshaft and crankshaft setting and locking tools , camshaft sprocket adjusting tool and tensioner retaining pins.
- Application:
  Audi A4 3.0 V6 (2001~2008), Audi A4 Cabrio 3.0 V6 (2001~2008), Audi A4 Quattro 3.0 V6 (2001~2008), Audi A6 3.0 V6 (2001~2008), Audi A6 3.0 V6 (2001~2008), Audi A6 Quattro 3.0 V6 (2001~2008), Audi A8 3.0 V6 (2001~2008)
- Engine code: ASB, AVK, BBJ.

No.	Description	OEM no. ref.
1	Camshaft locking tools (Pair)	T40030
2	Crankshaft locking pin	T40026
3	Camshaft adjusting tool	T40028
4	Tensioner retaining pins	T40011
5	Spanner wrench for timing belt	

H.C.B-B1235 AUDI CAMSHAFT ADJUSTMENT GAUGE KIT (3.0L, V6, PETROL ENGINE)

AUDI 正時工具 (3.0L · V6 · 汽油引擎)



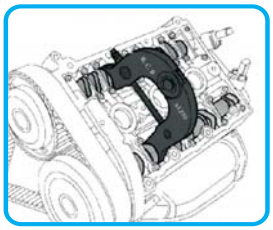
- To timing left and right camshafts of petrol engine.
- Include camshaft and crankshaft setting and locking tools, camshaft sprocket adjusting tool and tensioner retaining pins.
- Application: Audi A4 3.0 V6 (2001~2008), Audi A6 3.0 V6 (2001~2008), Audi A8
- Engine code: ASB, AVK, BBJ.
- **VW OEM no. ref. :** T40028, T40030, T40026, T40011.

H.C.B-A1235 AUDI CAMSHAFT ADJUSTMENT GAUGE KIT (2000~2004) (3.0L V6)

AUDI 正時工具組 (2000~2004) (3.0L V6)

5 / 14.2 / 15.4 / 1.59'





- Used to lock and hold camshafts when adjusting the left and right camshafts.
- Application: 2002-2005 AUDI A4 and 2002-2004 AUDI A6.
- Suited to AVK, AUDI 3.0L V6 5V engine.
- **VW OEM no. ref. :** T40030.

H.C.B-A1054-3 VW T4 CAM BELT PULLEY PULLER

VW T4 正時皮帶盤拔取器

- Use H.C.B-A1054-3 can remove rusting pulley easily, after removing middle screw of pulley.
- Put H.C.B-A1054-3 in the holes of pulley to removes pulley.
- On car maintenance.
- Adjustable legs fit different diameters of pulleys.
- Specification: Diameter ranges from 50 – 95 mm.
- N.W.: 1.718 KGS.





H.C.B-B1054-3 VW T4 CAM BELT PULLEY PULLER ACCESSORIES

VW T4 正時皮帶盤拔取器

- H.C.B-B1054-3 can also be combined with plate of H.C.B-A1054-2 for using.
- N.W.: 0.418 KGS.



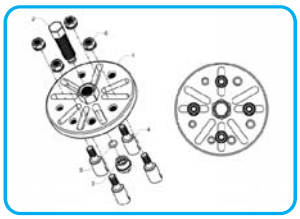
H.C.B-A1512 ON CAR VW R2/T4/A3 CAM BELT PULLEY PULLER

VW R2/T4/A3 凸輪軸拔卸器 (改良型)

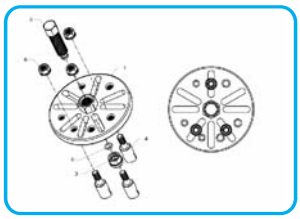
- Put A1512 in the holes of rusting pulley to remove.
- On car maintenance.
- Adjustable legs fit different diameters of pulleys.
- Application:
  VW T4 use Six hook.
  AUDI A3 use Five hook.
  R2 use Six hook



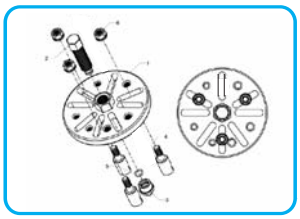




FOUR HOOKS



FIVE HOOKS



SIX HOOKS



H.C.B-A1295 VW/ AUDI DIESEL INJECTION PUMP WRENCH (13 mm)

VW/ AUDI 柴油噴射泵扳手 (13 mm)

- Single box-end wrench for fixing screws at the injection pump, when replacing the toothed belt.
- Application: 1600 c.c. 4 cylinders diesel engine AUDI 80, VW GOLF, Jetta, Caddy, Passat, Santana, CITROEN BENZ (OM601/ 615/ 616/ 617)
- Chrome-Vanadium Surface chrome-plated.
- S: 13 mm x L: 160 mm
- N.W.: 0.84 KGS.





H.C.B-A2069-T30 — Dr .3/8" x T30 UNIVERSAL JOINT BIT SOCKET

Dr. 3/8" x T30 萬用套筒

H.C.B-A2069-T40 — Dr. 3/8" x T40 UNIVERSAL JOINT BIT SOCKET

Dr. 3/8" x T40 萬用套筒

H.C.B-A2069-T45 — Dr. 3/8" x T45 UNIVERSAL JOINT BIT SOCKET

Dr. 3/8" x T45 萬用套筒

H.C.B-A2069-T50 — Dr. 3/8" x T50 UNIVERSAL JOINT BIT SOCKET

Dr. 3/8" x T50 萬用套筒



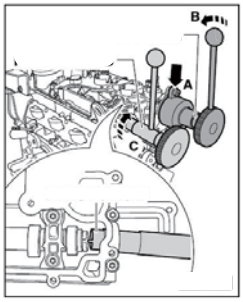
- For the operation of screws of the upper door hinge, when aligning or installing and removing the driver's and co-driver's door on VW POLO CLASSIC, POLO VARIANT, CADDY since 1995 consider VW torque regulations.
- With universal joint.
- Drive 10 mm = 3/8".
- Application: For timing belt clamping screw on AUDI 80/ A4 and VW GOLF Mk3 engines.

H.C.B-A1662 — VAG (1.8/2.0 TSI) CAMSHAFT ROTATING ALIGNMENT TOOL

VAG (1.8/2.0 TSI) 凸輪軸轉動正時工具

- Specially designed to rotate the camshaft in TDC position.
- Application: VAG 1.8, 2.0 TSI engine.
- **VW OEM no. ref.:** FVNST9143-A, FVNST9143-B





H.C.B-A1666 — VW/AUDI CRANKSHAFT TURNING TOOL

VW/AUDI 曲軸轉動工具

- **Application:**
  To turn crankshaft over
  Type / model: Audi A5 Coupé 2008 >
  Assembly group: 8-cyl. 4.2l, 4V direct injection engine (RS5)
- **VW OEM no.ref.:** T40257



H.C.B-A2110 — VW/ AUDI EXHAUST SPRING CLAMP REMOVER/INSTALLER

VW/ AUDI 排氣管 C 型夾拆裝器

- Essential for safe, controlled removal of clamps attached on exhaust manifold.
- Special design provides "leverage" required to expand the strong spring clamps.
- Application: VW / AUDI.
- N.W.: 0.44 KGS.



H.C.B-A1812 NEW VW/ AUDI CRANKSHAFT TURNING TOOL

VW/ AUDI 曲軸轉動工具

- To turn crankshaft over in order to position to TDC.
- Application:
  Audi A6 2011 >, Audi A7 Sportback 2011 >, Audi A8 2010 > 8-cyl. 4.0l TFSI direct injection engine
- **VW OEM no. ref.:** T40272





H.C.B-A2069 7 PCS Dr. 3/8" TX-STAR UNIVERSAL JOINT BIT SOCKET KIT (T20, T25, T27, T30, T40, T45, T50)

7 PCS Dr. 3/8" 萬用套筒組 (T20, T25, T27, T30, T40, T45, T50)



TX-STAR

- Universal joint and Dr. 3/8" for A2069, Dr. 1/2" for B2069.
- Use it when the straight shaft bits are not able to access the bolt.
- T45 is a multi-tasked driver.
  1) To align and/or install both the driver and passenger doors by way of the door hinge bolts on some VW vehicles.
  2) To R&R of the securing bolt on timing belt pretension found on Golf III & Audi 80.
- T50 is used for R&R of the securing bolt of oil pump on most newer popular Mercedes engines.

H.C.B-B2069 8 PCS Dr. 1/2" TX-STAR UNIVERSAL JOINT BIT SOCKET KIT (T30, T40, T45, T50, T55, T60, T70, T80)

8 PCS Dr. 1/2" 萬用套筒組 (T30, T40, T45, T50, T55, T60, T70, T80)



TX-STAR





H.C.B-A2087 VW T4 PROPELLER SHAFT SPECIAL SOCKET (M8/M10/M12/M14)

VW T4 傳動軸特殊長套筒 (M8/M10/M12/M14)

25 / 27 / 28 / 0.52'





- For loosening the screws at the drive shaft quick and easy from outside.
- Impact guns are not allowed.
- Application: VW T4,
  VW TOUAREG… etc.
- Length: 800 mm.

Item No.	Specifications	Length
A2087-1	M14	800 mm
A2087-2	M12	800 mm
A2087-3	M10	800 mm
A2087-4	M8	800 mm

H.C.B-A1220 VW/ AUDI BELT TENSION PIN WRENCH

VW/ AUDI 皮帶張力調整扳手



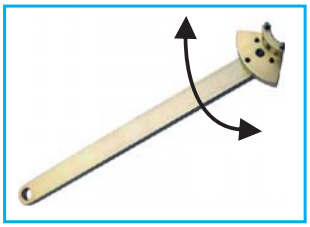


- Double-Pin wrench with 3 mm pins spaced 18 mm apart at a 15 degree offset.
- Use to adjust belt tension on 1.9 diesel and 2.0L gas engines 2/98-2003.
- VW Engines: AEG, AVH, AZG, ALH, BDC
- Application: AUDI A3, VW GOLF 3, 1999 or newer TDI, VW BORA 2.0, GOLF 1.6, new BEETLE 1.6. PASSAT 2.0 (2001~2005), BT 1.6, 2.0, GOFA (1999~2005), BR (1998~2005).
- **VW OEM no. ref. :** T10020.

H.C.B-B1220 VW/ AUDI TIMING BELT TENSION ADJUSTER (240 mm)

VW/ AUDI 惰輪正時皮帶張力調整扳手 (240 mm)





Three angles to adjustable





A4/1.8T,2.0 1999-2004
A6/1.8T 2002-2004



A3 A4 Golf Passat
2.0 TDI diesel fuel



A4/3.0 After 2002
A6/3.0 After 2002
A8/7.0 After 2003



Golf 88-97 Passet 92-97
VW T4/2.0 1992-2004
VOLKSWAGEN 1992-1997

- With adjustable clamping lever to tense timing belts on VW, Audi engines.
- Due to the adjustable clamping lever, the tensioner puller can be operated even in constricted areas.
- Length: 240 mm
- Application: A4/1.8T, 2.0 1999-2004 A6/ 1.8T 2002-2004, A3 A4 Golf Passat 2.0 TDI diesel fuel, GOLF 88-97 Passat 92-97 VW T4/ 2.0 1992-2004 VOLKSWAGEN 1992-1997, A4/3.0 after 2002, A6/ 3.0 after 2002, A8/ 7.0 after 2003.

H.C.B-C1220 VW/ AUDI BELT TENSIONER ADJUSTMENT WRENCH

VW/ AUDI 惰輪正時皮帶盤調整扳手

- This wrench can adjust the timing belt.
- Application: VW GOLF (2004~2005), JETTA PUNPE DUSE, AUDI 3.0 V6 engines (2002~2005).
- Engine code: ASN, AVK, BBJ.

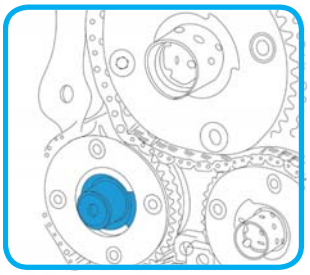


H.C.B-A1692 VAG CAMSHAFT ROTATION SOCKET (1.8/2.0TFSI)

VAG 凸輪軸旋轉套筒 (1.8/2.0TFSI)

- Used to rotate and hold the intake camshaft on the 1.8 and 2.0 liter TFSI generation III engine during timing chain service.
- **Application:**
  Audi A4 2008 >, Audi A5 Cabriolet 2009 >,
  Audi A5 Coupe 2008 >, Audi Q5 2008 >, Audi A3 2012 >
  4-cyl. 1.8l, 2.0l 4V TFSI direct injection engine (generation III)
- **VW OEM no.ref.:** T40266



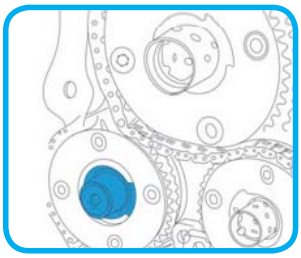


H.C.B-B1692 NEW VAG CAMSHAFT ROTATION SOCKET (1.8/ 2.0 TFSI)

VAG 凸輪軸旋轉套筒 (1.8/ 2.0TFSI)

- Owing to the change of inlet camshaft adjuster (from 2016 onwards), H.C.B-B1692 is required to adjust the camshaft.
- Application:
  Audi A4 2016 >, Tiguan 2016 >
  4- cylinder direct injection 1.8 l, 2.0 l 4 V TFSI (Generation III)
- **VW OEM no.ref.:** T10567





H.C.B-A1877 NEW VW (2.5L, L5, PETROL ENGINE) CRANKSHAFT TOOL

VW (2.5L, L5, 汽油引擎) 凸輪軸工具

- Used to set the crankshaft to TDC position.
- Application: Audi TT 2007 > 5-cyl. direct petrol injection engine (2.5 liter 4-valve turbo TTRS)
- **VW OEM no. ref.:** T03003A



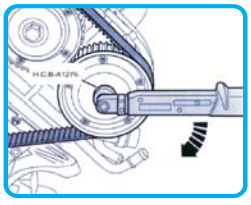
H.C.B-A1276 AUDI CAMSHAFT ADJUSTING SOCKET (Dr. 3/8")

AUDI 凸輪軸調整套筒 (Dr. 3/8")

- Camshaft adjusting socket used for adjusting variable valve timing on the exhaust side camshaft to basic position.
- Special groove nut socket to turn the camshaft adjuster into position.
- Application: VW, AUDI engine - V6 3.0L 5 valves per Cylinder.
- **VW OEM no. ref. :** T40028.











H.C.B-A2108 VW/ AUDI WATER PUMP PULLEY LOCKING WRENCH

VW/ AUDI 水幫浦皮帶盤支擋扳手

- Safe locking of the water-pump pulley.
- Allows easy loosening of stubborn bolts on the water-pump pulley.
- Overall length: 298 mm
- Width: 65 mm
- Application: VW/ AUDI.





H.C.B-A2109 VW/ AUDI WATER PUMP PULLEY LOCKING WRENCH

VW/ AUDI 水幫浦皮帶盤支擋扳手

- The Dr. 1/2" in the handle enables an extension if combined with a ratchet.
- Allows easy loosening of stubborn bolts on the water-pump pulley.
- Overall length: 250 mm.
- Width: 80 mm.
- Application: VW/ AUDI.





H.C.B-A2154 & A2090 BENZ (M271), VW/ AUDI V-BELT PULLEY REMOVER/ INSTALLER (Dr. 1/2", M10)

BENZ (M271), VW/ AUDI 發電機皮帶盤拆裝器 (Dr. 1/2", M10)

- The tool is used to remove/install the free-wheel pulley of VW and AUDI .
- Use with 17 mm wrench and H.C.B-A2090 (M10) to remove/ install the socket.
- Application: BENZ (M271), VW GOLF, VENTO, PASSAT, AUDI A3 and VOLVO. VW JETTA with 1.9 liter TDI engines.











A 271 154 0802

H.C.B-A2181 VW/ AUDI IMPACT SOCKET (Dr. 3/4", M18, 105 mm)

VW/ AUDI 後仰角傳動軸套筒 (Dr. 3/4", M18, 105 mm)

- Specially designed for fixing the screw of rear wheel axles.
- Impact quality, M18 XZN/ Spline hub bolt socket used to remove and install high torque hub bolts on VAG models.
- Dr. 3/4" is essential to accommodate torque loadings as high as 200 Nm.
- Application: AUDI A3, Seat: Altea, Leon, Toledo, VW: Golf, Golf Plus, Jetta, Touran, Eos, Passat





H.C.B-B2181 VW/ AUDI IMPACT SOCKET (Dr. 1/2", M18, 78 mm)

VW/ AUDI 後仰角傳動軸套筒 (Dr. 1/2", M18, 78 mm)

- Specially designed for fixing the screw of rear wheel axles.
- Application: VW/ AUDI.



H.C.B-A1307 VW/ AUDI SPECIAL WRENCH (V6, TDI, TURBO)

VW/ AUDI 特殊扳手 (V6, TDI, TURBO)

- Dr. 3/8" , 12 mm, 12 points.
- The special wrench for turbo.
- Special wrench for the screw below the turbo-charger of diesel engines of VW/ AUDI
- New model, short type screwer make itself more user-friendly.
- Application: VW/ AUDI V6 TDI Disel engine.





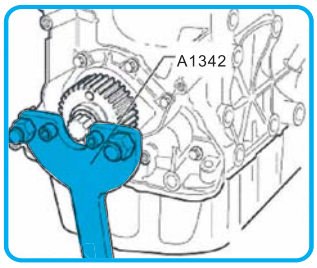


H.C.B-A1342 VW/ AUDI BELT PULLEY HOLDER

VW/ AUDI 皮帶盤支擋器

- Special design for counter-hold crankshaft toothed belt chain when installing crankshaft oil seal (belt pulley end).
- Application: VW: Lupo/ Polo (Classic) / Golf/ Bora/ Caddy.
  AUDI: A2.





H.C.B-A1760 NEW VW/ AUDI PULLEY COUNTER HOLDER

VW/ AUDI 皮帶盤支擋扳手

- To counter hold belt pulley while removing and installing securing bolt.
- Application: VW UP 2012 > Assembly group:
  3-cyl. 4V injection engine
  Jetta Hybrid 2013, 1.4 TSI Assembly group:
  4-cyl. 4V injection engine
- **VW OEM no. ref.: T10475**



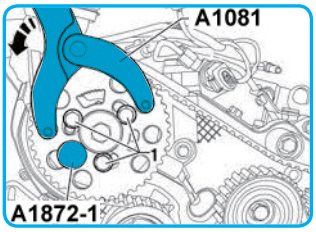


H.C.B-A1872 NEW VAG PULLEY HOLDING TOOL KIT

VAG 皮帶盤支擋工具組

- For holding or turning the pulleys and sprockets on the camshaft, crankshaft, oil pump, and water pump to remove/ install fixing bolt or check engine timing.
- Application: Audi A1 2011 >, Caddy 2016 >
  Engine / assembly group: 3-cyl. direct injection
  (1.0 l engine, 4V, EA211, turbocharger)
  4-cyl. direct injection (1.2 l, 4V, EA 211, turbocharger)
  4-cyl. injection engine (1.4 l engine, direct injection, turbocharger)
- **VW OEM no. ref.:** T10172A (T10172) (T10172/1,T10172/2, T10172/4,T10172/5,T10172/6,T10172/7,T10172/8 and T10172/9 bits)/ T10554





H.C.B-A1321 VW HARMONIC DAMPER REMOVER

VW 正時皮帶盤拆卸器

- While removing the harmonic damper, this tool is for holding the crankshaft pulley.
- Time saving and no damage to the harmonic damper.
- Application: VW 5 cylinder engine with poly-V-belt. Such as VW T4/ VW LT.



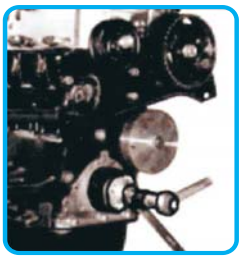


H.C.B-A1322 VW/ AUDI CRANKSHAFT PULLEY REMOVER

VW/ AUDI 正時皮帶盤拆卸器

- For removing the front pulley from the crankshaft.
- Application: VW/ AUDI 4 and 5 cylinder engines.





H.C.B-A1323 VW/ AUDI VIBRATION DAMPER LOCKING TOOL

VW/ AUDI 正時皮帶盤支擋器

- For locking the vibration damper (crankshaft pulley) when changing the crankshaft-center bolt.
- Application: VW engine. Such as T4 van with 5 cylinder diesel.
- **VW OEM no. ref.:** 3273.



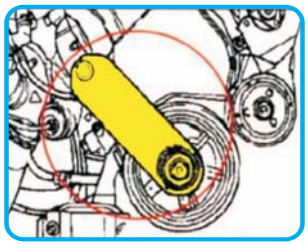


H.C.B-A1324 VW/ AUDI VIBRATION DAMPER LOCKING TOOL

VW/ AUDI 正時皮帶盤支擋器

- For holding the V-belt pulley or vibrator damper when changing the timing belt.
- Application: VW/ AUDI 5 cylinder diesel engine (after year 1997). Such as ATT, ABP, AEL…etc.
- **VW OEM no. ref.:** 3256.



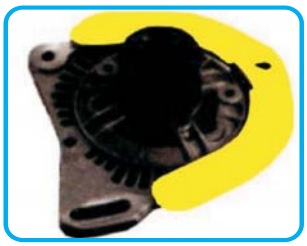


H.C.B-A1325 VW/ AUDI BELT TENSION ADJUSTER

VW/ AUDI 惰輪調整器

- Dr. 1/2".
- For tensioning multi-vee belts.
- Special designed milled pins for not slipping out of the holes in the alternator.
- Application: VW/ AUDI engines with the multi-vee belts can only be tightened at the alternator.



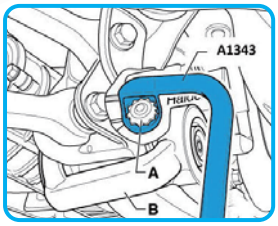


H.C.B-A1343 VW/ AUDI DIFFERENTIAL FILTER SPANNER

VW/ AUDI 差速器濾芯扳手

- Size: 46 mm X 12 PT & 5 mm hex key.
- Application: AUDI: TT/ A3/ A4/ A6/ A8.
  VW: Passat/ Touareg/ Bora/ Golf/ Sharan/ Skoda-Octavia.
- For detaching & tightening the oil filters of the haldex clutch.
- **VW OEM no. ref.:** T10066



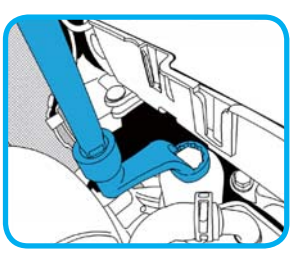


H.C.B-A1757 NEW VAG DSG TRANSMISSION FILTER WRENCH (24 mm)

VAG DSG 變速箱油芯扳手 (24 mm)

- Designed for changing the oil filter on DSG gearboxes builtin to VAG vehicle.
- Time saver because the oil change can be done without removing the battery.
- 24 mm Bi Hex
- 1/2" Square
- The short version (100 mm) is designed for models with common rail engines with DSG gearboxes.





H.C.B-A1348 VW/ AUDI OIL FILTER WRENCH (Dr. 1/2", H= 22 mm, D= 42 mm)

VW/ AUDI 機油芯扳手 (Dr. 1/2'', H=22 mm, D=42 mm)

- For removing oil filter with special adapter.
- Application: VW/ AUDI diesel engine with MANN-Mahle-, Knecht filters.
- Dr. 1/2'', H: 22 mm, D: 42 mm.





H.C.B-A1672 VW IGNITION COIL PULLER

VW 點火線圈拔卸器

- Used for removing pencil-type ignition coil on 4-cyl direct injection Generation III VAG petrol engines.
- **Application:** Golf 2013 onwards, Audi A3 2013 onwards, Seat Leon 2013 onwards and Octavia 2013 onwards/ Porsche Macan
- **Applicable engine:** 4-cylinder direct injection EA888 engine (2.0 L, 4V, turbocharger, chain drive, generation III Engine) and 1.2L / 1.4 L 4-cylinder direct injection turbocharger engine.
- **VW OEM no.ref.:** T10530



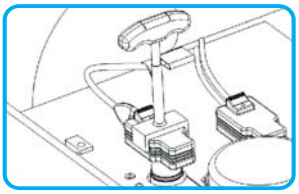
H.C.B-A2137 VW/ AUDI IGNITION COIL PULLER (4 PCS)

VW/ AUDI 直接點火線圈拔取器組 (4 PCS)

10 / 9.5 / 10.5 / 1.1'

- The kit is for Volkswagen and Audi vehicles fitted with direct ignition engines.





Parts No.	Application	Parts No.	Application
1	VW, Bora, Golf, Passat, Sharan, Touareg, Phaeton and T5，V5 2.3,V6 3.2,Transporter T5 6-Cylinder with injection engine(2004-).	3	VW, Bora, Golf, New Beetle, Passat, Polo, Touran 1.4 / 1.6 L, Lupo 4-Cylinder FSI, Phaeton and Transporter T4, BBY. BKY 1.4.
2	VW 8- and 12-Cylinder engines. e.g. Phaeton, B5 1.8T, GTI, FSI 2.0.	4	VW 8- and 12-Cylinder

H.C.B-A2201 VW/ AUDI (A4/A6/A8/A11) GAS / DIESEL ENGINE TIMING TOOL KIT

VW/ AUDI (A4/A6/A8/A11) 汽 / 柴油引擎正時工具組

5 / 21.5 / 22 / 2'

- This kit is required for petrol & diesel engine service.
- For timing belt replacement on recent models and also older 1.9d models from 1976.
- Models: AUDI A4, A6, A8, A11 YOAD (97-04), VW PASSAT (98-04).



H.C.B-A2211 VW/ AUDI AIRBAG REMOVAL TOOL KIT (12 PCS)

VW/ AUDI 安全氣囊拆除工具組 (12 PCS)

20 / 16 / 17 / 2'

- T30 FOR AUDI, OPEL, RENAULT, VW
- T30 TAMPER, FOR AUDI, BMW, BERCEDES, OPEL
- T25 FOR BMW
- T25 TAMPER, FOR BMW
- 5 MM HEXAGON, FOR AUDI

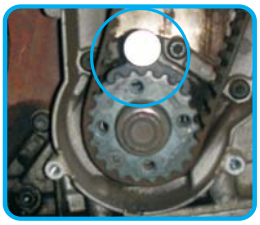


- Suitable for the fast and safe removal of steering wheel airbags.
- **Application:**
  Audi /Volkswagen/Skoda/Seat/Vauxhall/Opel /BMW/Mercedes-Benz.
  VW PASSAT B5/POLO/LUPO, AUDI A4 AND A6, SKODA SUPER B.
  VW GOLF 4, NEW BEETLE, SEAT, SKODA FABIA, OKTAVIA AB BJ.99.
  VW GOLF 4 (BJ.1998-2004),VW-PASSAT AB BJ.1997, BORA BA BJ.1999.
  VW PASSAT AB BJ.2000.

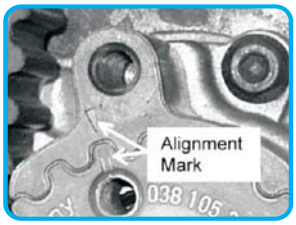
H.C.B-A2207 VW/ AUDI DIESEL TDI PD ENGINE TIMING TOOL KIT

VW/ AUDI 柴油 TDI PD 引擎正時工具

- Application: Audi A2 1.4 TDi PD (02-06), A3 1.9, 2.0 TDi PD (02-08), A4 1.2 TDi PD (02-05), A4 1.9, 2.0 TDi PD (04-08), A6 1.9 TDi PD(02-05), Seat; Altea 1.9 SDi/ TDi (05-08), Leon 1.9, 2.0 TDi PD (05-08), Toledo 1.9 SDi/ TDi (05-08), Skoda; Fabia 1.4 TDi PD (03-06), Octavia II 2.0 TDi PD (03-06), VW; Beetle 1.9 TDi PD (02-08), Bora 1.9 TDi PD (02-08), Fox 1.4 TDi PD (02-08), GOLF 1.9 TDi PD (02-08), Lupo 1.4 TDi PD (02-08), Polo 1.4, 1.9 TDi PD (02-08), Sharan 1.9 TDi PD (02-08).



A2207-1 Crankshaft Setting Tool- Non bored engine



A2207-2 Crankshaft Setting Tool



A2207-3 Locking Pin



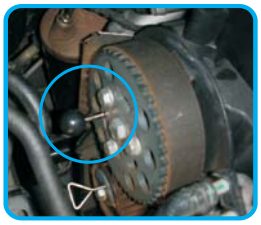
- **VW OEM no. ref.:**
  T10050,T10100,T20102,
  T10060/A ,T10115



A2207-4 Tensioner Pulley Locking Pin



A2207-5 Injection Pump Locking Pin



A2207-6 Injection Pump Locking Pin &4

H.C.B-A1364 VW/ AUDI REAR AXLE BUSHING TOOL

VW/ AUDI 鐵套拆卸器

10 / 23 / 24 / 1.2'







- Special design for replacing the rear axle mounting bushes without the need of removing the rear axle assembly.
- Its fine thread and thrust bearing allow the bush to be fitted quickly and easily without causing damage.
- Application: AUDI A3/ VW GOLF/ BORA 1.4/ 1.6/ 1.8/ 2.0/ 1.9d (2001~2003).

H.C.B-C1357 VW/AUDI (TDI)/BMW N47/N57 INJECTOR REMOVER (MASTER KIT)

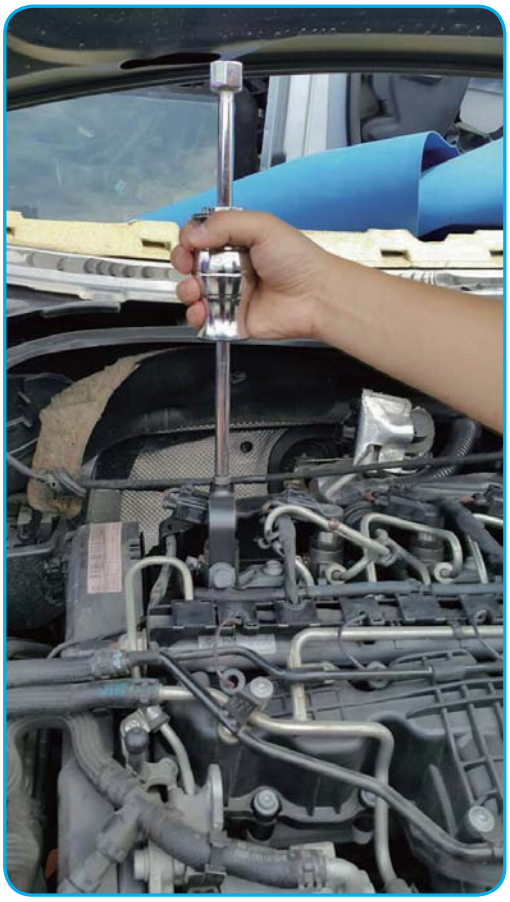
VW/AUDI (TDI)/BMW N47/N57 噴油嘴拆卸器 (綜合組)

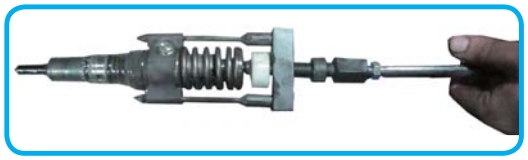


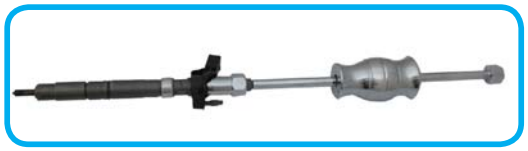
- Used when removing injector unit from cylinder head.
- Special design for removing the seized diesel injector from VAG TDi engines.
- Always cool down the engine before using this tool.
- Special two jaws design to fix the injector and pull out with slide hammer.
- Application: VW, AUDI TDi engine code: ALH/AHU/1Z , VW T5 1900 c.c. (No.6), 2500 c.c. (No.6), 2000 c.c.(No.7), BMW (N47) (N57)
  Golf 2009 >4-cyl. diesel engine (1.6l engine, common rail) (No.11) Golf 2009> with 2.0 liter TDI common rail engine and on Audi A3 2013> with 2.0 liter TDI common rail engine.
- **VW OEM no. ref.:** T10055/ T10163/ T40055/ T10402/ T10415.

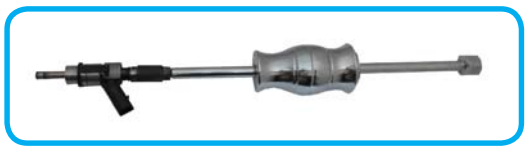


	Description	Application	VW OEM no.
1	Slide hammer Puller		T10055
2	Direct overhead grip		T10163
3	Adaptor		
4	Adaptor		
5	Adaptor		
6	Adaptor	VW T5 1900 c.c., 2500 c.c.	
7	Adaptor	VW T5 2000 c.c. BMW N57	M14 x P1.5 M8xP1.25
8	Adaptor	VW,AUDI PETROL INJECTORS(Golf)	
9	Blow mold case		
10	Adaptor	VW SPECIAL SOCKET	T40055
11	Adaptor	VW 1600 c.c.	T10402
12	Adaptor	VW 2000 c.c	T10415





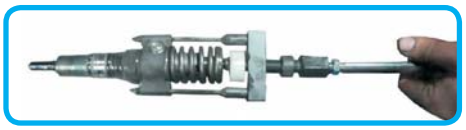




H.C.B-B1357 VW/AUDI (TDI)/ BMW N47/ N57 INJECTOR REMOVER (MASTER KIT)

VW/AUDI (TDI)/BMW N47/N57 噴油嘴拆卸器 (綜合組)









- Used when removing injector unit from cylinder head.
- Special design for removing the seized diesel injector from VAG TDi engines.
- Always cool down the engine before using this tool.
- Special two jaws design to fix the injector and pull out with slide hammer.
- Application: VW/ AUDI TDi engine code: ALH/AHU/1Z , VW T5 1900 c.c. (No.6), 2500 c.c. (No.6), 2000 c.c. (No.7), BMW (N47).
- **VW OEM no.ref.:** T10055/ T10163



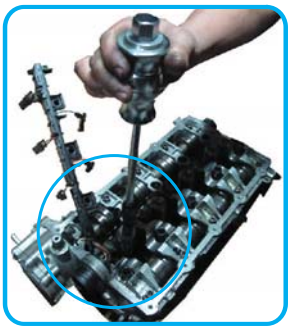


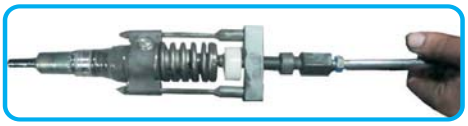
H.C.B-A1357 VW/ AUDI (TDI) DIESEL INJECTOR REMOVER

VW/ AUDI (TDI) 柴油噴油嘴拆卸器

- Special design for removing the seized diesel injector from VAG TDi engines.
- Always cool down the engine before using this tool.
- Special two jaws design to fix the injector and pull out with slide hammer.
- Application: VW/ AUDI TDi engine code: ALH/ AHU/ 1Z







H.C.B-A1368 VW POLO BUSH REMOVER/ INSTALLER

VW POLO 鐵套拆裝工具組





Removal



Installation

- Suitable for VW Polo (9N) front-axle bracket wishbone bushes.
- For easy removal and insertion of the rear bush on the front track control arm VW polo.
- Advantage: Removal of the aggregates carrier unit is not necessary!
- Application: VW Polo 9N, Audi A2, Skoda Fabia, Seat Cordoba, Seat Altea....

H.C.B-A1372 VW DIESEL INJECTOR PUMP TEST GAUGE KITS

VW 柴油噴油嘴幫浦測試錶組

- Used for setting the timing of diesel injection pumps.
- Applicable to VW and AUDI diesel models through 1997.



H.C.B-A1373 VW/ AUDI FSI 2.0 L / TURBO TIMING TOOL

VW/ AUDI FSI 2.0L / TURBO 正時工具

- To set the timing and adjust camshaft of FSI and TFSI 2.0L engine.
- Application: AUDI A3/ A4, AUDI TT/ Golf/ Jetta/ Passat, SKODA. Year 2004~2009.
- Engine codes: AWA, BMB, AXW.
- **VW OEM no. ref. :** T10252, T10020, T40011, T10115, T10092, T10060A, T40080, 3366.





H.C.B-A1386 AUDI ENGINE OIL LEVEL GAUGE

AUDI 機油尺

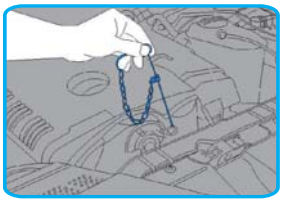
200 / 6.2 / 7.2 / 1.2'





- The tool is designed for measuring the oil level of engine.
- Application : 2009 and Newer Audi A4, A5 and A6 with a 2.0L TFSI, 3.2L FSI, 4.2L FSI and 2010 S4 3.0L Supercharged engine.
- Minimum engine oil temperature 140º F (60º C).
- Vehicle must be in level position.
- After stopping engine, wait a few minutes to allow oil to flow back into oil pan marking field on the dipstick.





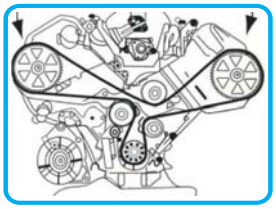
- Adjust the value on the A1386 on the upper scale (see arrows) by loosening the knurled screw & moving the adjusting ring to the position shown on the picture above. Tighten knurled screw.
- Insert the oil level dipstick A1386 into the oil dipstick tube until adjusting ring stops at the top of the tube.
- Read the value on the scale at the end of the dipstick.

H.C.B-B2224 VW CAMSHAFT DRIVE BELT PULLER

VW 凸輪軸皮帶盤拔卸器

- Puller used to remove cam sprockets.
- Includes 18 mm, 23 mm and 25 mm pulling arms.
- Application: VW 4 cylinder TDI, VW/ Audi V6 (5V) and Audi V8 (40V). Also includes both arms for 2.0L 4V Direct Injection Engines (BPY) (BPG) (BWT).
- **VW OEM no. ref.:** T40001.







H.C.B-A2070 VW/ AUDI TRANSMISSION/ GEARBOX SOCKET (Dr. 1/2", M16)

VW/ AUDI 變速箱 / 齒輪箱套筒 (Dr. 1/2", M16)

- For removing and replacing the tamper proof plug on transmission and gearbox of VW/ AUDI vehicles.
- Application: AUDI A3/ A4/ A6 and GOLF IV/ LT.
- N.W.: 0.38 KGS.



Dr. 1/2" × M16





H.C.B-B2070 VW/ AUDI TRANSMISSION/ GEARBOX SOCKET (Dr. 1/2", M18)

VW/ AUDI 變速箱 / 齒輪箱套筒 (Dr. 1/2", M18)

- Size: XZN M18 in 1/2" head, length 78 mm.
- Special head designed for screws on VW half-axles.



Dr.1/2"



Dr. 1/2"xM18

H.C.B-C2070 VW/ AUDI TRANSMISSION/GEARBOX SOCKET (Dr. 1/2" , M16)

VW/ AUDI 變速箱 / 齒輪箱套筒 (Dr. 1/2", M16)

- For removing and replacing the tamper proof plug on transmission/ gearbox of VW and AUDI vehicles
- Application: AUDI A3/ A4/ A6 and GOLF IV/ LT.



Dr. 1/2" X M16





H.C.B-A2085 VW T4 TRANSPORTERS MULTI-SPLINE SOCKET (Dr. 1/2" , M14)

VW T4 輸送機上球頭拆卸套筒 (Dr. 1/2", M14)

200 / 24 / 25.5 / 1.6'

- For removing the upper ball-joint on VW T4 transporters.
- Length: 60 mm
- Drive: 1/2"









H.C.B-B1475 VW SPECIAL SOCKET (Dr. 3/8" x 17 mm x 78 mm L)

VW 柴油噴油嘴高壓管特殊套筒 (Dr. 3/8" x 17 mm x 78 mm 長)

- Material: CR-V with silver chrome plating, matt finish.
- Universally suitable for the coupling nut of the high pressure line on VW-Audi, Seat, Skoda common-rail diesel engines.
  For example: VW Polo (6R); Golf (1K) (5K, AJ); Passat (3C); Audi A1 (8X); A3 (8P); A4 (8K), A6 (4F); A8 (4E); Seat Ibiza (6J); Leon (1P);
  Skoda: Fabia II (54); Octavia II (1Z)
- Specially cut-socket (17 mm) for quick and easy loosening and tightening the union nut at high pressure lines of common rail diesel engines.
- **VW OEM no. ref.:** T40055.







H.C.B-B2155-24 VW SPECIAL SOCKET (12 POINT , SW 24 mm)

VW 特殊套筒 (12 角 , SW 24 mm)







- For VW GOLF (VI,VII), Scirocco, Tiguan, Touran, Passar(3C), Passat CC, Audi A3, TT; Seat Leon, Altea, Skoda Octavia(1Z), Super B(3T) etc....

H.C.B-E1413 VW 1.2 TSI TIMING TOOL KIT

VW 1.2 TSI 正時工具組

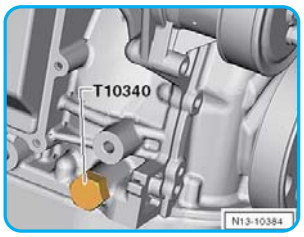
- Camshafts locking tools suitable for VW 1.2 TSi.
- Application:

Brand	Model	Engine
VW	Polo, Caddy, Caddy Maxi, GOLF, GOLF plus, GOLF estate, Touran, Jetta, GOLF VI cabrio	1.2 TSi
AUDI	A1, A3, A3vabrio	1.2 TSi

- Engine code: CBZA, CBZC, CBZB
- **VW OEM no. ref.:** T10414/ T10340.







H.C.B-F1413 VAG TFSI/FSI ENGINE TIMING TOOL KIT

VAG TFSI/FSI 引擎正時工具組

- Application: Audi A1 ('10-), Audi A3 ('04-)
- Engine Codes: 1.2TSI - CBZA, CBZB; 1.4T/FSI - CAXA, CAXC, CAVG; 1.6FSI - BAG, BLP, BLF
- **VW OEM no. ref.:** T10414/ T10340/ T10341/ VAS6079/ T10170/ T10171(A)/ T20046(T40011)



H.C.B-G1413 VAG 1.2 TFSI/TSI PETROL ENGINES CHAIN ENGINE LOCKING TIMING TOOL KIT

VAG 1.2 TFSI/TSI 汽油引擎鏈條固定正時工具組

- This kit is for the generation of VAG 1.2 TSI and 1.2 TFSI engines were first introduced in 2009 and are available in vehicles across the four main brands of the VAG Group (Audi, Seat, Skoda and Volkswagen.) These four cylinders, single camshaft engines, have two valves per cylinder. A timing chain provides drive between the crankshaft and camshaft. The engines are turbo charged and use a high pressure direct injection fuel system.
- Content :

Code.	Description	VW OEM no. ref.
1	Camshaft Setting Tool	T10414
2	Crankshaft Locking Pin	T10340
3	Timing Cover Alignment Pins (2)	T10341



- Application: Audi: A1, A3, A3 Sportback, A3 Cabriolet
  Seat: Altea, Altea XL, Ibiza V, Ibiza Sportcoupe, Leon, Toledo IV
  Skoda: Fabia II, Fabia Combi, Rapid, Oktavia II, Oktavia Combi, Rommster, Yeti
  Volkswagen: Beetle, Caddy III, Golf VI, Golf Plus, Golf Cabriolet, Golf Variant, Jetta IV, Polo, Touran.
- Engine Codes: CBZA/ CBZB/ CBZC

H.C.B-H1413

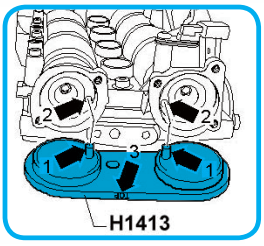
NEW

VW/ AUDI CAMSHAFT LOCKING TOOL (1.4 L/ 1.6 L TFSI/ FSI)

VW/ AUDI 凸輪軸固定工具 (1.4 L/ 1.6 L TFSI/ FSI)



- For locking the camshaft when checking and adjusting the distribution timing.
- Application:
  Alhambra 2011 -> Altea 2005.Toledo 2005
  Leon 2006 AlteaXL 2007 AlteaFreetrack 2007 Ibiza 2008 -> Altea 2009
  Leon 2009 Altea XL 2009 Altea Freetrack 2009Toledo 2013 León 2013
- Engines:
  1.4LTFSI - petrol
  1.6LMPI - petrol
  1.6L GLP (AUTOGAS) – petrol
- **VW OEM no. :** T10171B



H.C.B-C1413

AUDI A4/A6/A8 (2.4/3.2 FSI) CHAIN ENGINES TIMING TOOL KIT

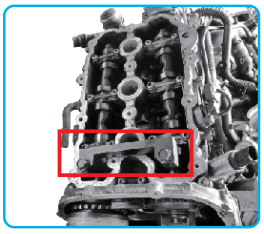
AUDI A4/A6/A8(2.4/3.2 FSI) 鏈條正時工具組

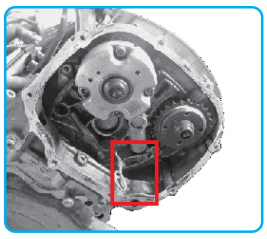


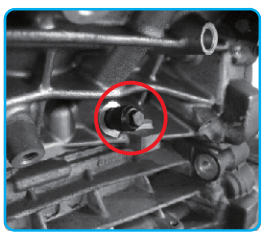
- Used for the latest Audi with FSI chain driven engine.
- Application: Audi A6 2.4, Audi A4, A6, A8 .A10 3.2 Fsi.
- Engine Codes: AUK, BDW, BGP, BGQ, BKH, BPK, BYU, BVJ, BNS, BYH, CAUA, BXA und BSM
- **Kit Specification & Application**

Code.	Item no	Description	AUDI OEM no. ref.
1	C1413-1	Camshaft locking Tools (2 pcs)	T40070
2	C1413-2	Locking Pin	T40071
3	A1105-6	Crank Locking timing pin	T40069
4	A1425	Crankshaft turning socket	T40058

- **Operating Instructions**


C1413-1


C1413-2


C1413-3(A1105-6)


C1413-4(A1425)

H.C.B-B1413

VW/ AUDI PETROL ENGINE TIMING TOOL KIT (WITH GAUGE) (1.4, 1.6 FSI)

VW/ AUDI 正時工具組 (附錶) (1.4, 1.6 FSI)

- For installing and removing the camshaft/ variable camshaft to check and adjust the camshaft for timing.
- Application: Audi; A3 (03-10), Seat; Altea, Ibiza, Leon, Skoda; Fabia II (07-09), Octavia (04-09), Roomster (06-09), Superb (09-10), VW; Eos (06-09), Golf (03-09), Golf Plus (05-09), Jetta (06-09), Passat (05-09), Polo (02-08), Scirocco (09-10), Tiguan (07-09), Touran (03-09).
- Engine: 1.4FSi (AXU, BKG, BLN)、1.4TFSi (BLG, BMY, BWK, CAVA, CAVB, CAVC,CAVD, CAVF, CAXA, CAXC, CDGA)、1.6FSi (BAG, BLF, BLP, BTS)







H.C.B-D1413 VW/ AUDI GROUR FSI (VAG) VALVE TIMING TOOL KIT

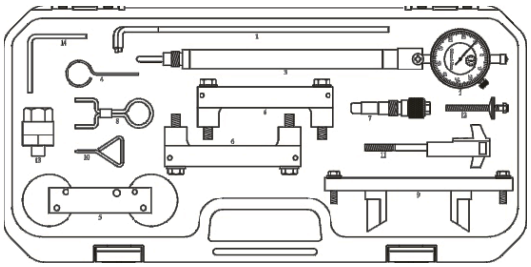
VW/ AUDI GROUR FSI (VAG) 閥門正時工具組

- A comprehensive set containing the necessary tools to service FSI engines fitted to Volkswagen Polo, Golf Touran, Passat; Skoda Octavia and Audi A3 with 1.4/1.6 engines (Codes AXW, AXU, BAG, BLF, BKG, BLN, BLP).
- Audi A3, A4, A6, Volkswagen Golf, Passat and Touran with 2.0 engines (Codes AXW, BHD, BMB, AWA, AXX, BPY, BWA).
- Audi A6, A6 Quatro with 2.4 engines (Code BDW), Audi A4, A6, A8 with 3.2 engines (Codes: AUK, BKH).
- Plus TFSI 2.0 engines fitted to Audi A4, A6 and Volkswagen Passat (Codes BUL, BPJ, BGB, BWA, BWE).

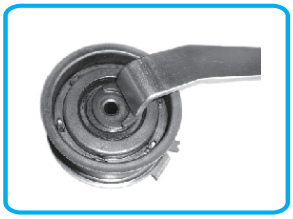
Comprehensive tool kit for changing the cam belt or chain on many VAG engines. Suitable for petrol and diesel engines, including the latest applications for Fsi and TFSi engines.



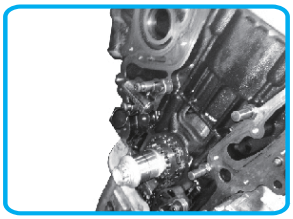
Code.	Item no	Description	VW OEM no. ref.
1	A1220	Toothed Belt Tensioner	T10020
2	B1416-5	Dial gauge	VAS6079
3	B1413-2	Dial Gauge Adapter	T10170
4	B1413-4	Locking Pin	T40011
5	A1413-1	Camshaft Lock	T10171
6	C1413-1	Camshaft Clamp (2 pcs/ 1set)	T40070
7	A1105-6	Crankshaft Locking Pin	T40069
8	C1413-2	Locking Pin	T40071
9	A1373-1	Camshaft Clamp	T10252
10	A1373-4	Locking Pin	T10115
11	A1214	Bracket For Chain Adjustment	3366
12	A1373-5	Tensioning Bolt	T10092
13	A1425	Crankshaft Socket	T40058
14	A2207-3	Locking Pin	T10060/A
15		Blow Mould Case	



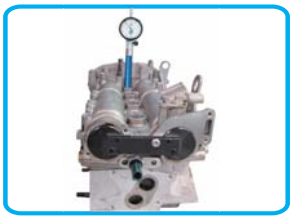
Operating Instruction



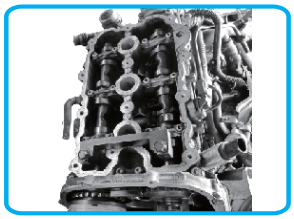
Use No.1



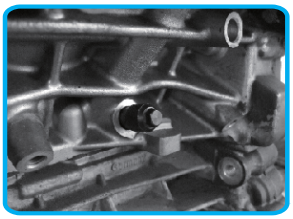
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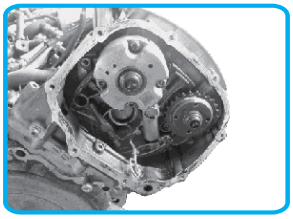
Use No.3&5



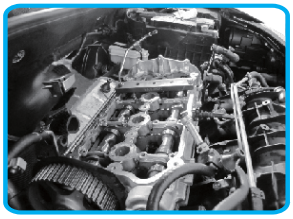
Use No.6



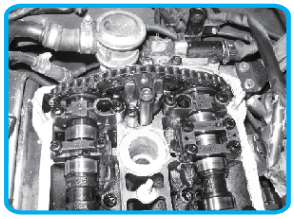
Use No.7



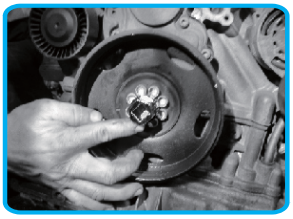
Use No.8



Use No.9



Use No.11



Use No.13

H.C.B-A1413 VW/ AUDI PETROL ENGINE TIMING TOOL KIT (1.4, 1.6 FSI)

VW/ AUDI 正時工具組 (1.4, 1.6 FSI)

- For installing and removing the camshaft/ variable camshaft to check and adjust the camshaft for timing.
- Application:
  Audi; A3 (03-07), Skoda; Octavia (04-08), VW; Polo (02-08), GOLF (03-08), GOLF Plus (05-08), Jetta (06-08), Passat (05-08), Touran (03-07).
- Engine: AXU, BKG, BLN,BAG, BLF, BLP, BTS.
- **VW OEM no.ref.:** T10170, T10171, T40011, T10340.

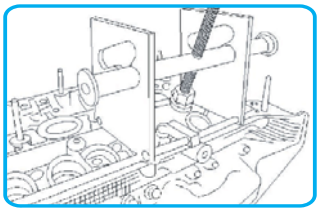


H.C.B-A1414 VW/ AUDI VALVE SPRING COMPRESSOR

VW/ AUDI 汽門彈簧拆卸工具

- This tool is used for removing valve springs.
- Application: 4 cylinder 1.8 L Turbo (5V) AUDI A4 and PASSAT B5 engines.
- **VW OEM no. ref.:** 3362.





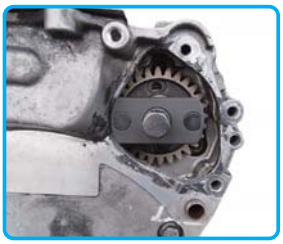
H.C.B-A1565 WATER PUMP REMOVAL TOOL KIT - VW T5 & TOUAREG 2.5D

水泵浦拆卸器組 -VW T5 & TOUAREG 2.5D

- Suitable for removing the water pump on pumpe duse, diesel, gear drive engines.
- Essential to align the engine in the TDC position and removal of the water pump.
- This tool is designed for 2.5 liter gear driven engines found in the Volkswagen range.
- This tool is ideal to use in conjunction with B1419.
- Application:
  Volkswagen: VW 2.5 TDI PD - T5, Touareg, Transporter (03-09), VW 1.6 - Bora / Golf / Lupo / Polo.
- Engine: AXD, AXE, BAC, BLJ, BLK, BNZ, BPC, BPD
  Engine codes: BAC, BLK ONLY.
  Loosening the exhaust pipe and starter catalytic converter from the turbo charger and gearbox. (The catalytic converter can stay in place).
  Engine codes: BPD, BPE ONLY.
  Removing exhaust gas recirculation cooler and particulate filter.
- **VW OEM no. ref.:** T10225/ T10221A/ T10222A.











H.C.B-B1419 VW TRANSPORTER T5/ TOUAREG DIESEL TIMING TOOL KIT (2.5/ 4.9D/ TDI PD)

VW TRANSPORTER T5/ TOUAREG 柴油引擎正時工具組 (2.5/ 4.9D/ TDI PD)

- Designed for gear driven engines where the injection timing is controlled by the camshaft followers.
- For locking camshafts when checking and adjusting timing.
- For removing and installing camshaft drive gear and eliminating play in gear train.
- For rotating the crankshaft and for locking or positioning of the camshaft and crankshaft as well as for biasing and locking the wheels drive when setting the timing.
- Application: VW 2.5 TDI with pump-jet diesel engines. Built at VW Transporter T5 and Touareg.
- Engine code: BAC, BLK, BPD, AXD, AXE, BLJ, BNZ, BPC (05-09) and 4.9D/ TDI PD models with engine code: AYH ,BKW, BLE,BWF(03-09).

Parts No.	Description	VW OEM no. ref.
A1419-1	Camshaft Clamp	T10193
A1419-2	Camshaft Clamp	T10194
A1419-3	Camshaft Gear Retaining Tool (Type 1)	T10199
A1419-4	Camshaft Gear Retaining Tool (Type 2)	T10199/1
A1419-5	Camshaft Compensation Gear Pre-tensing Tool	T10234
A1419-6	Crankshaft Turning Tool	T10226
A1419-7	Crankshaft Locking Tool	T10225
B1419-8	Screwdriver bit XZN-M16, Length :75mm	
B1419-9	Screwdriver bit XZN-M8, Length :100mm	
B1419-10	Screwdriver bit XZN-M10, Length :100mm	
B1419-11	Screwdriver bit XZN-M14, Length :140mm	









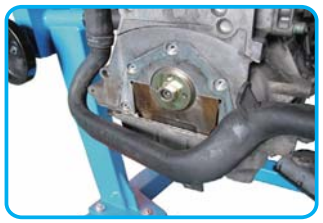












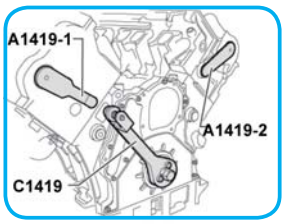
H.C.B-C1419

New

VW CRANKSHAFT LOCKING TOOL

VW 曲軸固定工具

- For locking crankshaft when adjusting timing.
- Application: Touareg 2003>,10-cyl. diesel engine
- **VW OEM no.ref.:** T10195





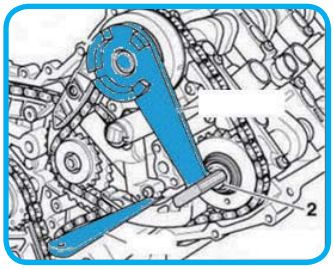
H.C.B-A1642

VW / AUDI CAMSHAFT TIMING CHAIN TOOL KIT (4.2 L)

VW/AUDI 凸輪軸正時鍊條工具組 (4.2 L)

- For locking camshafts when checking valve timing
- Specially designed to hold and align the camshaft.
- Specially designed to install Hall sender screens into crankshaft adjuster when setting the crankshaft timing.
- Engine Model V8 BAT 4.2 engines.
- Application: Audi A6L, A8L 4.2 engines.
- Engine model: 6-cyl. injection engine (4-valve), 8-cyl. injection engine (W8), 12-cyl. injection engine (W12).
  Golf 1998-newer, Bora 1999-newer, Passat 1997-newer, Sharan 1996-newer, Touareg 2003-newer, Phaeton 2003-newer, Transporter 1991-newer, Audi A8 1994-newer, Audi TT 1999-newer.
- **VW OEM no.ref.:** T40046, T40047. T10068A.





Code.	Item no.	Description	OEM no.ref.	remark
1	A1430	AUDI SETTING GAUGE	T40047	2 PCS
2	A1431	VW/AUDI CAMSHAFT BAR	T10068A	2 PCS
3	A1471	VW/AUDI ENGINE TIMING TOOL KIT (TFSI)	T40046	2 PCS
4		Blow Mould Case W/EVA		

H.C.B-A1425

VW/ AUDI CRANKSHAFT TURNING SOCKET

VW/ AUDI 曲軸旋轉套筒

- Used for turning the crankshaft pulley.
- With Dr.1/2", 22 mm square, and 12 mm rotating pivot pin.
- Application: Audi A6 2005 and up, Audi A8 2003 and up.
- Engine : 6 cylinder 2.4, 3.2L FSI.
- **VW OEM no. ref.:** T40058.





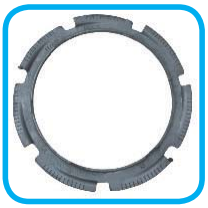


H.C.B-A1429 VW FUEL TANK WRENCH

VW 汽油浮筒拆裝器

- For removing and installing the sealing ring on the fuel tank sender flange.
- Application: VW, AUDI A8, VW Touareg 2003, VW Touran 2004, PASSAT 2006, PASSAT CC2009, ESO 2006, Tiguan 2008, GOLF Plus 2005, GOLF 2004.
- **VW OEM no. ref.:** T10202.





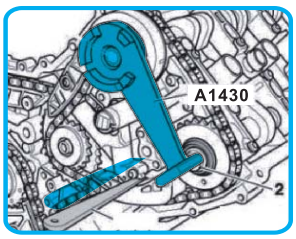


H.C.B-A1430 VW/ AUDI FIXING GAUGE

VW/ AUDI 固定座

- Used to fix camshaft position sensor rotor ring when installing camshaft timing chains.
- Application:
  AUDI : A4 2001 and newer, A6 1998 and newer on 8-cyl engine.
  AUDI A6 - V8 4.2L F.I. BNK 40V 2005 - 2005
  AUDI A6 - V8 4.2L F.I. BNK 40V 2006 - 2006
  AUDI A8 - V8 4.2L F.I. BFM 40V 2005 – 2005
  AUDI A8 - V8 4.2L F.I. BGK 40V 2006 – 2006
  AUDI A8 L - V8 4.2L F.I. BFM 40V 2004 – 2005
  AUDI A8 L - V8 4.2L F.I. BGK 40V 2006 – 2006
  AUDI allroad Quattro - V8 4.2L F.I. VIN L BAS 40V 2003 - 2005
  AUDI S4 - V8 4.2L F.I. BHF 40V 2004 - 2008
  AUDI S4 Avant - V8 4.2L F.I. BHF 40V 2004 - 2008
  AUDI S4 Cabriolet - V8 4.2L F.I. BHF 40V 2004 - 2009
  VOLKSWAGEN Phaeton - V8 4.2L F.I. BGH 40V 2004 – 2005
  VOLKSWAGEN Phaeton - V8 4.2L F.I. VIN F BGH 40V 2006 – 2006
- **VW OEM no. ref.:** T40047



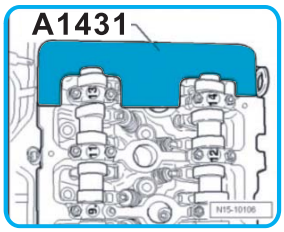


H.C.B-A1431 VW/ AUDI CAMSHAFT BAR

VW/ AUDI 固定條

- Used to lock camshaft when removing and installing camshafts.
- Application: Golf 1998, Bora 1999, Passat 1997, Sharan 1996, Touareg 2003, Phaeton 2003, Transporter 1991, Audi A8 1994 , Audi TT 1999 –.
- Engine Model: 6-cyl. injection engine (4-valve), 8-cyl. injection engine (W8), 12-cyl. injection engine (W12).
- **VW OEM no. ref.:** T10068A.



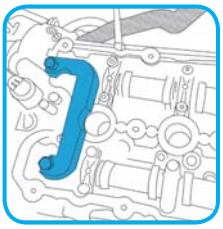


H.C.B-A1471 VW/ AUDI ENGINE TIMING TOOL KIT (TFSI)

VW/ AUDI 正時工具組 (TFSI)

- For securing camshafts when adjusting timing.
- Application: AUDI A6 2005~Q5 2.0 T, A6L 3.0T.
- Engine model: 6-cyl petrol direct injection 2.8L 4V engine, Mechanics.
- **VW OEM no. ref.:** T40133.

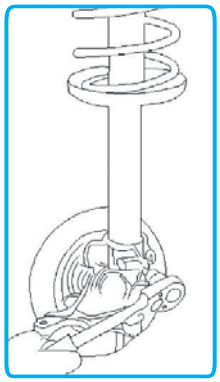




H.C.B-A2232 SHOCK ABSORBER RAM DISMANTLE SOCKET KIT

避震器油壓缸拆裝套筒組





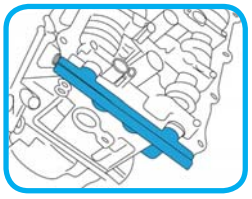
- It is quick and easy to remove and replace the strut unit in the front axle. With this tool, it can reduce the risk of damaging the front axle when removing strut spring.
- Application: VW Golf IV, Audi TT, VW-Audi, BMW, Citroën, Ford, SKODA, Seat, Renault, Peugeot, Japanese cars, etc.

H.C.B-A1470 VW/ AUDI CAMSHAFT ALIGNMENT TOOL (4.2)

VW/ AUDI 凸輪軸正時工具 (4.2)

- Used for locking camshafts when checking valve timing.
- Application: AUDI A42001> AUDI A6 1998> with 8-cylinder engines.
- **VW OEM no. ref. :** T40046.





H.C.B-A1473 VW/ AUDI CAMSHAFT CENTRAL VALVE SOCKET

VW/ AUDI 凸輪軸調節閥套筒

- Used for removing and installing the central valve for camshaft adjustment.
- Application: Audi A3 with 4-cylinder gas direct injection, 1.8 liter, 2.0 liter, 4v, TFSI engine with chain.
- ENGINE: CCZA, CCZB, CCZC, CDAA, CDAB.
- **VW OEM no.ref. :** T10352.





H.C.B-B1473 VW/ AUDI CAMSHAFT CENTRAL VALVE SOCKET (Dr. 3/8")

VW/ AUDI 凸輪軸調節閥套筒 (Dr. 3/8")



- Used for removing and installing the central valve for camshaft adjustment.
- Application: Passat 2006> Passat CC 2009> Audi A3 2004> 4-cyl. injection engine (1.8 liter and 2.0 liter engine, chain drives).
- **VW OEM no. ref.:** T10352/1.

H.C.B-C1473 VW/ AUDI CAMSHAFT CENTRAL VALVE SOCKET (Dr. 3/8")

VW/ AUDI 凸輪軸調節閥套筒 (Dr. 3/8")







- Used for removing and installing the central valve for camshaft adjustment.
- Application: Used for removal and installation of camshaft control valve on 1.8 and 2.0 generation III TFSI engine.
- Type / model: Audi A4 2008 >, Audi A5 Cabriolet 2009 >, Audi A5 Coupe 2008 >, Audi Q5 2008 >, Audi A3 2012 > 4-cyl. 1.8l, 2.0l 4V TFSI direct injection engine (generation III)
- **VW OEM no. ref. :** T10352.

H.C.B-D1473 VW/ AUDI CAMSHAFT CONTROL VALVE 1.8/2.0 TFSI SOCKET

VW/ AUDI 凸輪軸調節閥 1.8/2.0 TFSI 套筒



- Used for the removal and installation of camshaft control valve on 1.8 and 2.0 generation III TFSI engine.
- Application: Audi A4 2008 >, Audi A5 Cabriolet 2009 >, Audi A5 Coupe 2008 >, Audi Q5 2008 >, Audi A3 2012 >
- Applicable engine: 4-cyl. 1.8l, 2.0l 4V TFSI direct injection engine(generation III)
- **VW OEM no. ref.:** T10352/2

H.C.B-E1473 NEW VW/ AUDI (1.8/ 2.0 TFSI) CAMSHAFT CENTRAL VALVE SOCKET

VW/ AUDI (1.8/ 2.0 TFSI) 凸輪軸調節閥套筒



- For removing and installing the 4/3 way central valve of the variable valve timing. Because of the new-style central valve, H.C.B-E1473 is required for the service.
- Application:
  Audi A4 2016 > with 4-cylinder direct injection 1.8 L, 2.0 L 4 V TFSI (Generation III) engine
- **VW OEM no.:** T10352/3







H.C.B-F1473 NEW VW/ AUDI (1.8/ 2.0 TFSI) CAMSHAFT CENTRAL VALVE SOCKET

VW/ AUDI (1.8/ 2.0 TFSI) 凸輪軸調節閥套筒

- For removing and installing the 4/3 way central valve of the variable valve timing. Because of new hole-pattern of the central valve, H.C.B-F1473 is required for the service.
- Application:
  Audi A4 2016 > with 4-cylinder direct injection 1.8 L, 2.0 L 4 V TFSI (Generation III) engine
- **VW OEM no.:** T10352/4



H.C.B-G1473 NEW VW/ AUDI (1.8/ 2.0 TFSI) CAMSHAFT CENTRAL VALVE SOCKET

VW/ AUDI (1.8/ 2.0 TFSI) 凸輪軸調節閥套筒

- For removing and installing the 4/3 way central valve of the variable valve timing. Because of the new-style central valve, H.C.B-G1473 is required for the service.
- Application:
  Audi A3 2012 > with 4-cylinder 1.8 L, 2.0 L, 4V TFSI direct injection engine (generation III).
- **VW OEM no.:** T10352/1A



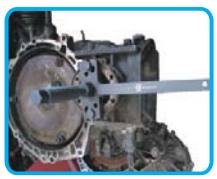
H.C.B-A1479 VW DRIVE FLANGE OIL SEAL REMOVER/INSTALLER

VW 傳動軸拆裝工具

- For removing and installing universal drive flange oil seal.
- Pull in differential complete with freewheel, pull off drive flange with gearbox in place.
- Two screws: M8 x 30, M10x30 hexagon bolts into the flange.
- Application: AUDI and VW.
- **VW OEM no. ref. :** VW 391.



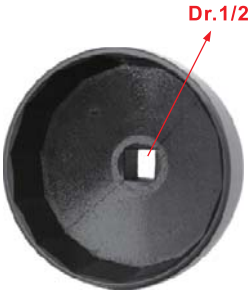




H.C.B-A1486 VW OIL FILTER WRENCH (Dr. 1/2",15 POINTS, 92 mm)

VW 機油芯扳手 (Dr. 1/2", 15 角 ,92 mm)

- For the operation of oil filters (KNECHT and MAHLE filters) 15-point 92 mm wrench.
- Application: VW-AUDI Passat 1.9 TDi until 11/2000, 2.8 L until 04/1999, CHRYSLER 300 M, PORSCHE, OPEL, RENAULT, FORD Focus 1.8 Di since 08/ 1999, 1.8 TDi since 10/1998, Maverick 2.7 TD until 1996, Mondeo 2.5 L until 2000, MITSUBISHI, NISSAN, ALFA-ROMEO, HONDA, VOLVO…etc. MAN (commercial vehicles) F 2000.
- Inside square drive 12.5 = 1/2 or outside hexagon 27 mm/ diameter: 102 mm.



H.C.B-A1778 NEW VW TIMING CHAIN ADJUSTER (8 CYLINDER, 4.0 L)

VW 凸輪軸正時工具 (8 汽缸、4.0 升)

- Used to rotate the cam phasers when tightening the timing chain.
- Application: Audi A6 2011 >, Audi A7 Sportback 2011 >, Audi A8 2010 >
- Assembly group: 8-cyl. 4.0l TFSI direct injection engine
- **VW OEM no. ref.:** T40269

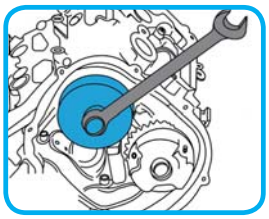


H.C.B-A1779 NEW VW TIMING CHAIN ADJUSTER (6 CYLINDER, 3.0 L)

VW 凸輪軸正時工具 (6 汽缸、3.0 升)

- Used for tensioning timing chain via camshaft adjuster.
- Application: 6-cyl., 3.0 L, 4V supercharged direct injection engine (generation IV).
- **VW OEM no. ref.:** T40297





H.C.B-A1489 VW (PASSAT/TIGUAN/GOLF) SUB-FRAME BUSH EXTRACTOR/ INSTALLER

VW (PASSAT/TIGUAN/GOLF) 三角架鐵套拆裝工具

- This tool is designed to remove and install the bushing.
- Application:
  VW A3 (04~), GOLF (04~), PASSAT (06~), JETTA (06~), TIGUAN (08~), TT (06).







H.C.B-A2256 VAG/ FORD (1.2D,1.4D,1.6D,1.9D,2.0D,TDI PD/CR) DIESEL ENGINE TIMING TOOL KIT

VAG/FORD (1.2D, 1.4D, 1.6D, 1.9D, 2.0D TDI PD/CR) 柴油正時工具組



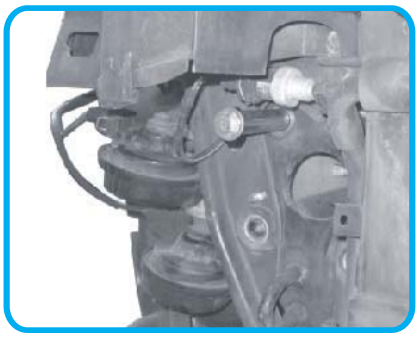
- Suitable for engine timing and belt replacement on pump duse diesel engines fitted to VAG vehicles and Ford Galaxy from 1999 on 2006.
- Covers huge range of 1.9TDi engine variants.
- Kit contains latest crank locking tools for “Round" and “Oval" crankshaft gears, camshaft pins and tensioner tools for hydraulic and mechanical belt tensioners.
- Application:
  AUDI: A2 (01-06), A3 (01-08), A4 (99-08), A6 (98-08).
  VW: Lupo (99-05), Polo (99-08), Fox (05-08), Golf/ Bora (98-08), Golf Plus (05-08), Jetta (05-08), Beetle (00-08), Passat (98-08), Touran (03-08), Sharan (99-08), Caddy (03-08), Transporter (03-08).
  Ford :Galaxy (99-06)
  Seat: Arosa (99-05), Ibiza/ Cordoba (02-08), Altea (04-08), Leon (00-08), Toledo (04-08), Alhambra (99-08).
  Skoda: Fabia (00-07), Roomster (07-08), Octavia (00-08), Superb (02-08).
- Engines:
  1.2 TDi PD: ANY, AYZ.
  1.4 TDi PD: AMF, ATL, BAY, BHC, BNM, BNV.
  1.9 TDi PD: AJM, AMG, ANU, ARL, ARX, ASZ, ATD, ATJ, AUY, AVB, AVF, AVQ, AWX, AXB, AXC, AXR, BEW, BJB, BKC, BKE, BLS, BLT, BPX, BRB, BRM, BRU, BSV, BSW, BTB, BVK, BXE.
  2.0 TDi PD: AZV, BKD, BDJ, BDK, BGW, BHW, BKP, BLB, BMA, BMM, BMN, BMP, BMR, BNA, BPW, BRC, BRE, BRF, BRT, BSS, BUY, BUZ, BVE, BVF, BVG, BVH, BWV.
- **VW OEM no. ref.:** T10100/ T10050 (23-059) / 3359 (T20102) / U30009A (3387/ T10004) / T10020/ T10265/ T10264/ T10115/ T10008 (310-084)/ T10060 (T20167).

H.C.B-B2256 VAG FRONT END SUPPORT GUIDE KIT

VAG 前端面板支撐架零件組



- Suitable for extending the front panel of the vehicle to provide increased space in engine compartment for carrying out various service applications.
- These guides support the front end when it is extended out to “Service Position", which on a number of models, it is required as part of the timing belt replacement procedure.
- Application:
  AUDI: A4/ A6/ A8.
  SEAT: Ibiza/ Cordoba/ Arosa/ Leon/ Toledo/ Alhambra/ Altea.
  VW: Lupo/ Polo/ Bettle/ GOLF/ Bora Passat/ Touran/ Sharan/ Phaeton Touareg.
- **VW OEM no. ref.:** VW 3369/ 3411.

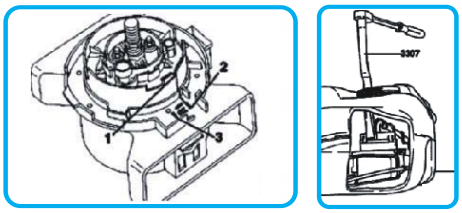


H.C.B-A1501 VW/ AUDI FUEL PUMP WRENCH

VW/ AUDI 汽油幫浦拆裝器



- Special designed wrench to remove and install the fuel pump.
- Using the wrench to turn inner section of surge housing approx. 15° to the left up to the stop and withdraw fuel pump assembly complete with the inner housing section.
- Application:
  Audi: A4 (2002-2004 AWD),
  A6 (1999-2004),
  90 QUATTRO (B4), S4, S6, RS6.
  Volkswagen: Passat (1998-2005).
- **VW OEM no. ref.:** 3307.



H.C.B-A1505 AUDI/ GOLF/ OCTAVIA/ LEON CAMSHAFT LOCK TOOL

AUDI/GOLF/OCTAVIA/LEON 凸輪軸固定工具

- Locking camshaft when checking and adjusting timing.
- Application:
  Type / model: Audi A3 2013 >, Golf 2013 >, Octavia 2013 >, Leon 2013 >
  Assembly group: 4-cyl. injection engine (1.4 l direct injection engine, turbocharger) 4-cyl. injection engine (1.2 l direct injection engine, turbocharger).
- **VW OEM no. ref.:** T10494.





H.C.B-A1506 VW COUNTER HOLDER

VW 曲軸支擋扳手

- To avoid disturbing valve timing, do not turn crankshaft out of TDC position.
- Used to counter holding vibration damper when center bolt for crankshaft is loosened or tightened.
- Application: 1.8L & 2.0L TSI engines.(2004 ~)
- Total length : 840 mm
- **VW OEM no. ref.:** T10355.







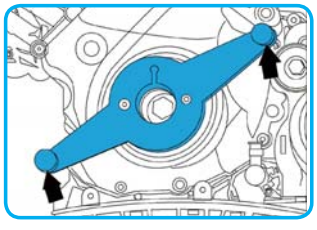
H.C.B-E1506 VW (EA888) CRANKSHAFT PULLEY REMOVAL TOOL KIT

VW (EA888) 曲軸皮帶盤拆卸工具組

- Used to remove damper pulley on third generation EA888 engines.
- Application:
  Used for dismantling and assembling the vibration damper on 4 cyl. 1.8l, 2.0l,4V TFSI direct injection engine (timing chain).

Code no.	Parts No.	Description	OEM no.ref.:
1	E1506-01	Counterhold tool	T10531/1
2	E1506-02	Tensioning pins	T10531/2
3	E1506-03	Turning over tool	T10531/3
4	E1506-04	Knurled nut	T10531/4





H.C.B-D1506 VAG 1.8/2.0 TSI/TFSI (EA888) ENGINE TIMING TOOL KIT

VAG 1.8/2.0 TSI/TFSI (EA888) 引擎正時工具組

- Used for correcting the camshaft and crankshaft timing position.
- Four-cylinder EA888 petrol: 1.8 R4 16v TSI/TFSI, 2.0 R4 16v TSI/TFSI
- Applications:
  2006~2013 VAG series TSI, TFSI EA888 engine(1.8L, 2.0L).
- Engine Code: BYT, BZB, CABA, CABB, CABD, CADA, CAEA, CAEB, CAWA,
- **VW OEM no. ref.:**
  T10355,T10368,T40196,T40267,T40712, T10352,T10352/1,T10352/2,T10354, T10265,T10060A,T10340





H.C.B-B1506 VW/ AUDI 2.0L TURBO ENGINE TIMING TOOL KIT

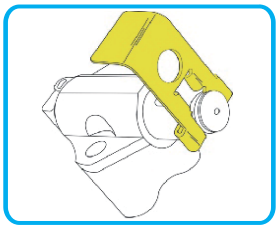
VW/ AUDI 2.0L 渦輪引擎正時工具組

- Applicable to 2009 and newer VW/ AUDI models with the 2.0 L Turbo (CAEB) engine.
- Kit contains the following tools.

	Item no.	VW OEM no. ref.	Description
1	A1506	T10355	Counter holder
2	B1506-2	T10368	Press piece – timing chain cove
3	B1506-3	T40196	Camshaft pins
4	B1506-4	T40267	Tensioner locking tool
5	B1506-5	T40271	Camshaft locks cams
6	B1506-6	VW 10352	Assembly tool







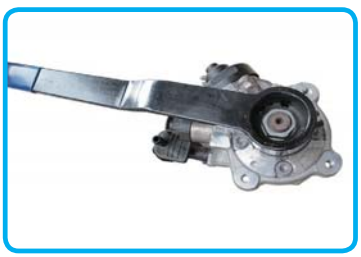
H.C.B-A1551 VW CAMSHAFT COUNTER HOLDER

VW 凸輪軸支擋扳手

- Used to counter-hold camshaft when loosening and tightening camshaft gear hub bolt.
- Application: VW 1.9L TDI-PD (BEW) (BRM), 2.0L 4V TDI (CBEA).
  VW: GOLF(04~09), Jetta (05~06), Jetta (09).
- **VW OEM no. ref.:** T10051.







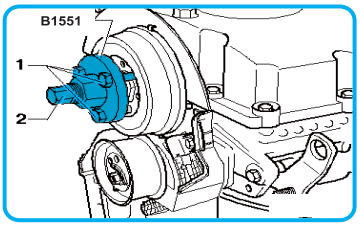
H.C.B-B1551 VW CAMSHAFT SPROCKET PULLER

VW 凸輪軸齒輪拔取器



- Used to remove camshaft sprocket from taper on camshaft.
- Application: Volkswagen 1.9L TDI pumpe-duse (BEW) (BRM) & 2.0L (4v) TDI (CBEA).
  VW: GOLF(04~09), Jetta (05~06), Jetta (09).
- **VW OEM no. ref.:** T10052.





H.C.B-C1551 VW/ AUDI VAG DIESEL ENGINE CAMSHAFT SPROCKET TOOL

VW/ AUDI VAG 柴油引擎凸輪軸鏈條拆裝工具組

- Used to counter-hold camshaft when loosening and tightening camshaft gear hub bolt.
- Used to remove camshaft sprocket from taper on camshaft.
- Application:
  VW 1.9L TDI-PD (BEW) (BRM) and 2.0L 4V TDI (CBEA)
  VW: GOLF(04~09), Jetta (05~06), Jetta (09)
- **VW OEM no. ref.:** T10051/T10052.



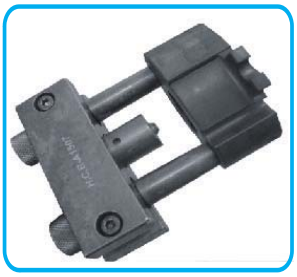
H.C.B-A1507 VW PULLEY PULLER

VW 皮帶拉拔器

- Used to remove the toothed-belt pulley from the high pressure pump.
- Application: 6-cyl. TDI Common Rail, 2.0 liter TDI Common Rail.
- **VW OEM no. ref.:** T40064/ T40064/1/ T40064/2







H.C.B-A1508 VW CIGARETTE LIGHTER RELEASE TOOL

VW 點菸工具

- Used to remove 12 volt socket.
- Application:
  Audi A4 2001 / Audi A4 2008/ Audi Q5 2008/
  Audi A6 2005/ Audi Q7 2007.
- **VW OEM no. ref.:** T40148.





H.C.B-A1509 VW TRANSMISSION SUPPORT DEVICE

VW 變速箱拆裝支撐架

- Used to support engine when removing transmission.
- Suitable for VW T4 Vans (short bodywork)
- Designed to lift and pull forward the engine/ gearbox assembly. For the removal and installation of clutch and gearbox on VW T4 essential to support the engine with engine lifter A1509. After undoing all mounting bolts, loosening the exhaust flange and removal of all connections, the engine must be lifted and pulled or pushed to the right front side until the pulley of the crankshaft gets almost in contact with the frame.
  Only then will it be possible to remove the gearbox and change the clutch.
- Advantages:
  - Easy installation of the engine lifter on the vehicle.
  - Support of upper wishbones by retaining wedges for removal of the drive shaft.
  - Support and correct positioning of the engine in every wanted position.
  - Easy removal and installation of gearbox and clutch.
  - Applicable for 4 and 5 cylinder engines.
  - Safety fixture avoids caught in fingers in the tool's support.
- **VW OEM no. ref.:** VW 3184/ 3230/ 3227.

Notice:

- Removal and installation of gearbox and clutch without engine lifter A1509 is a dangerous procedure.

Code.	Description	Q'ty
1	Lifting frame	1
2	Support	1
3	Retainer for 4-cylinder engines	1
4	Retainer for 5-cylinder engines	1
5	Set of supporting wedges (2 pieces)	1





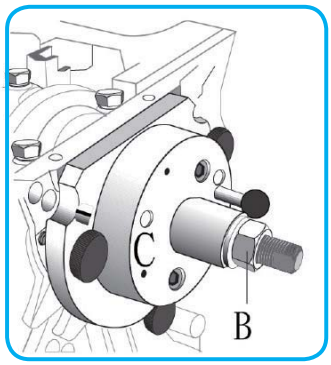


H.C.B-C1514 VW CRAFTER REAR CRANKSHAFT SEAL INSTALLER (DIESEL)

VW CRAFTER 後曲軸油封安裝工具 (柴油)

- Application:
  Crafter 2006 >5-cyl. diesel engine.
  Used for assembly of sealing flange with integrated sender wheel.
- **VW OEM no. ref.:** T50010





H.C.B-A1514 VW/ AUDI CRANKSHAFT REAR SEAL INSTALLER (DIESEL)

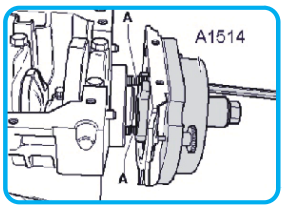
VW/ AUDI 曲軸後油封安裝工具 (柴油)

- This crankshaft seal installer is specifically designed for Volkswagen Golf, Touran and AUDI A3, A4.
- It is also suitable for other four-cylinder diesel engine applications including 1.4i Turbo, 1.4/ 1.6 Direct Injection(Petrol), 1.9/ 2.0 SDI, 2.0 TDi, 2.0 Common Rails (Diesel).
- **VW OEM no. ref.:** T10134









H.C.B-B1514 VW/ AUDI CRANKSHAFT REAR SEAL INSTALLER

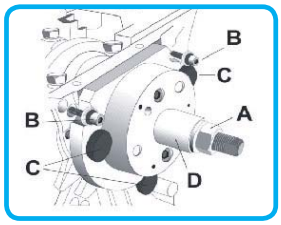
VW/ AUDI 曲軸後油封安裝工具

- This crankshaft seal installer is specifically designed for VAG vehicles with 16v 1.4 and 1.6 engines
  Including: Seat Arosa 1.4, Ibiza 1.4, Cordoba 1.4, Leon,1.4/ 1.6, Toledo 1.4/ 1.6, and Inca 1.4 16v Skoda Facia 1.4, Fabia II 1.6, Octavia 1.4 and Roomster 1.4 16v Volkswagen Lupo 1.4/ 1.6, Polo 1.4/ 1.6, Polo Classic 1.4, Golf/Bora 1.4/1.6, Beetle 1.4, Caddy 1.4 16v.
- **VW OEM no. ref.:** T10017.









H.C.B-A1513 VAG TDI DIESEL ENGINE CYLINDER COMPRESSION PRESSURE HOSE

VAG TDI 柴油引擎汽缸壓縮壓力油管



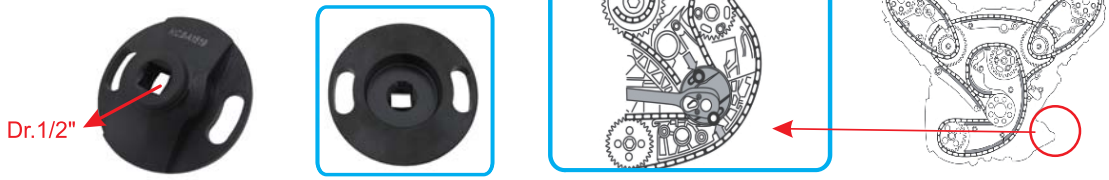
- This tool is designed for testing the diesel engine cylinder compression pressure.
- Check compression pressure by using compression pressure tester A2225.
- Application: VAG TDI diesel engines.
- **VW OEM no. ref.:** VAG1381/ 12.



H.C.B-A1519 VW T5 CRANKSHAFT TURNING TOOL (Dr. 1/2")

VW T5 曲軸旋轉工具 (Dr. 1/2")

- Used to turn crankshaft over when removing and installing camshaft timing chain.
- Application: 3.2L V6 4v (CALA), 4.2L V8 5-Valve Chain-Style engine.
- **VW OEM no. ref.:** T40049.

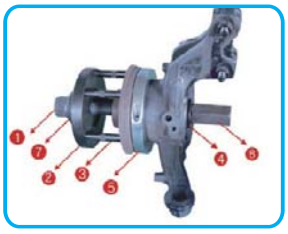


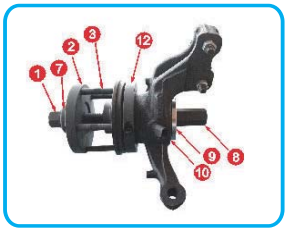
H.C.B-A1515 VW T5 WHEEL HUB/WHEEL BEARING TOOL KIT

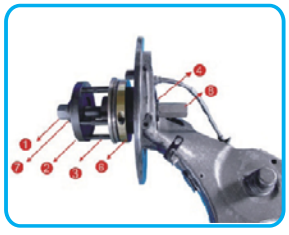
VW T5 輪軸 / 培林拆裝工具組

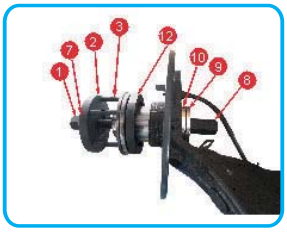
- The design of this kit can prevent the new wheel bearing from damaged because it provides safe and accurate centering and alignment when changing wheel bearings.
- This tool is designed for wheel/ hub bearing installation and removal.
- Application: VW T5.




Removal for Front Wheel


Installation for Front Wheel


Removal for Rear Wheel


Installation for Rear Wheel

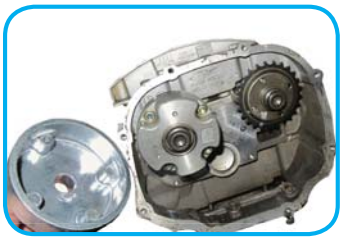
H.C.B-A1522 VW/ AUDI (2.4/3.0/3.2/4.2/5.0/5.2) CAMSHAFT TIMING TOOL KIT

VW/ AUDI (2.4/3.0/3.2/4.2/5.0/5.2) 凸輪軸正時工具組

- This tool is used for adjusting camshaft timing.

	Item no.	OEM ref	Description
1	A1081	T20018	Pulley holding tool
2	A1471	T40133	Timing tool
3	C1413-1	T40070	Camshaft locking tools
4	A1522-4	T40079	Camshaft adjuster key
5	A1105-4	3242	Crankshaft locking pin
6	A1105-6	T40069	Crankshaft locking pin
7	A1425	T40058	Crankshaft socket
8	C1413-2	T40071	Locking Pin
9	A1519	T40049	Crankshaft turning tool (Dr.1/2")





H.C.B-A1525 AUDI A4 A5 A6 A8 Q5 Q7/VW 2.7 TDI / 3.0 TDI V6 4.0 4.2 V8 TDI TIMING TOOL KIT

AUDI A4 A5 A6 A8 Q5 Q7/VW 2.7 TDI / 3.0 TDI V6 4.0 4.2 V8 TDI 正時工具組

- This engine timing tool set is for VAG 2.7/3.0 TDI and TDI CR chain driven engines.
- It can be used on diesel engines fitted to Touareg and Phaeton plus the 4.0 TDI engine (ASE) in the Audi A8 (-10).

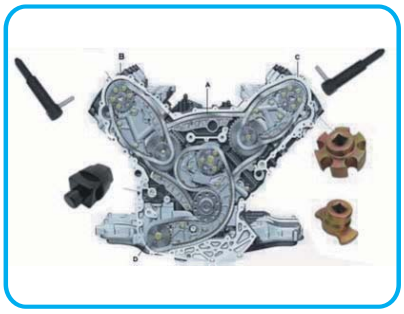
- Specification:

Ref	Items no.	VW OEM no. ref.	Description
1		T40061	Crankshaft alignment/ locking tool
2		T40062	Crankshaft sprocket holding tool
3	A1519	T40049	Crankshaft turning tool - type2
4		T40135	High pressure pump sprocket locking tool
5	A1105-4	3242	Crankshaft locking pin
6	A1425	T40058	Crankshaft turning tool - type1
7		T40060	Crankshaft locking pin (2)
8		T40245	Locking pin
9	A1507	T40064	Puller - pulley
10	C1413-2	T40071	Locking pin
11			Locking pin



- Application:

MAKE	MODEL	ENGINE TDI	CODES	YEAR
AUDI	A4	2.7 TDI	BPP	01-08
AUDI	A4	2.7 TDI	BSG	01-08
AUDI	A4/ A6/ A8	3.0 TDI	ASB	05-
AUDI	A4	3.0 TDI	BKN	01-08
AUDI	A4/ A5	3.0 TDI	CAPA	07-
AUDI	A6/ ALLROADER	2.7 TDI	BPP/ BSG	05-
AUDI	A6/ ALLROADER/ A8	3.0 TDI	BNG/ BMK	03-
AUDI	A6/ Q7	3.0 TDI	BMZ/ BUG/ BUN	05-
AUDI	A8	5.0 TDI	ASE	03-10
VOLKSWAGEN	PHAETON	3.0 TDI	BMK/ CARA	04-
VOLKSWAGEN	TOUARGE	3.0 TDI	BKS/ BUN/ CASA/B	05-



H.C.B-A2260 SPLINE IMPACT BIT SOCKET KIT (Dr. 1/2") (4 PCS)

12 角星型氣動套筒組 (Dr. 1/2") (4 PCS)





XZN
Spline

- Manufactured in quality chrome vanadium.
- Material: SNCM-V with manganese phosphate.
- Size: M12-14-16-18.
- Overall length: 77 mm.
- Popular sizes for VAG rear hubs.

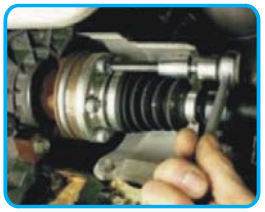
Item no.	Description	Applications
A2260-12	M12 x 77 mm (L.)	for rear hubs on Touran
A2260-14	M14 x 77 mm (L.)	for rear hubs on LT/ Transporter
A2260-16	M16 x 77 mm (L.)	for rear hubs on Sharan
A2260-18	M18 x 77 mm (L.)	for rear hubs on GOLF

H.C.B-A2267 VW/ AUDI FLEXIBLE MULTI-TOOTH SOCKET (Dr. 3/8" XNZ, M10 x 130 mm (L))

VW/ AUDI 套筒 (Dr. 3/8" XNZ, M10 x 130 mm (L))







- This tool allows the quick and easy removal and installation of drive shafts.
- This special designed socket enables to fasten screws that are hard to access to be loosened and tightened without any trouble.
- This tool is not suitable for using with an impact wrench.
- Size: Dr. 3/8" XNZ, M10 x 130 mm (L).
- Material: CR-V socket and S2 bits.
- Application: VW GOLF IV, PASSAT.

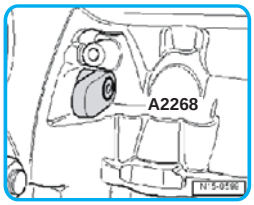
H.C.B-A2268 VAG 1.2 L (3CYL.) - 6V/12V PETROL ENGINE TOOL KIT

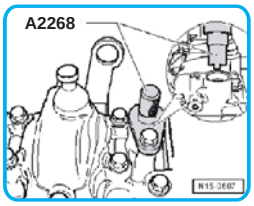
VAG 1.2 公升 (3 汽缸) - 6V/12V 汽油引擎工具組



- This tool is designed for Volkswagen Lupo and Polo 3 cylinder 6/ 12v 1.2 liter engines. Also Seat Cordoba and Ibiza 1.2 petrol engines (2002-2009).
- Camshaft timing tools for VAG single camshaft (6v-AWY, BMD) and twin camshaft (12v-AZQ, BME).
- **VW OEM no. ref.:** T10120/T10121/T10123

Manufacturer	Model	Style	Engine Code	Year
Seat	Ibiza	1.2 - 6v I 3 cyl	AWY I BMD	2002-2009
Skoda	Fabia	1.2 - 6v I 3 cyl (55bhp)	AWY I BMD	2003-2009
	Fabia	1.2 - 12v I 3 cyl (65bhp)	AZQ I BME	2003-2009
Volkswagen	Polo	1.2 - 6v I 3 cyl (55bhp)	AWY I BMD	2002-2009
	Polo	1.2 - 12v I 3 cyl (65bhp)	AZQ I BME	2002-2009





H.C.B-A1604 VAG 2lt 4CYL OIL SUMP PLUG REMOVAL TOOL (Dr. 1/4")

VAG 2lt 4 汽缸油底殼拆卸工具 (Dr. 1/4")



- Developed specifically for the plastic sump plugs found on the latest VAG range.
- This plug is also used in the cam cover on the latest 1.6 and 2.0 twin cam diesel engines found in the VAG range.
- Application:

Manufacturer	Model	Engine	Year
Audi		2.0 L 4 cyl TDI GEN III engines	2013
Seat	Leon	2.0 L 4 cyl TDI GEN III engines	2013
VW	Golf Mk VII	2.0 L 4 cyl TDI GEN III engines	2013





- **Sump Plug OEM no. ref.:** 06L-103-801

H.C.B-B1604 NEW VW OIL DRAIN PLUG

VW 油底殼卸油螺絲

- It is required to replace a new drain plug each time after oil change.







H.C.B-G1604 NEW VAG 2lt 4Cyl OIL SUMP PLUG REPLACING KIT (Dr. 1/4")

VAG 2 公升 4 汽缸油底殼卸油螺絲更換組 (Dr. 1/4")



- Developed specifically for the plastic sump plugs found on the latest VAG range.
- Sump Plug OEM 06L-103-801
- This plug is also used in the cam cover for the latest 1.6 and 2.0 twin cam diesel engines found in the VAG range.
- Drain plug should be changed each time after oil change

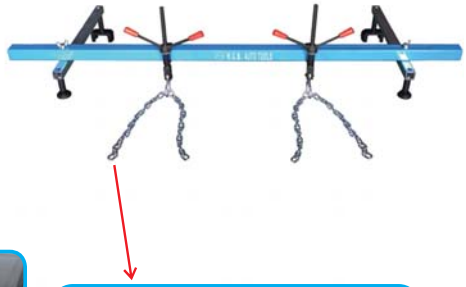
Manufacturer	Model	Engine	Year
Audi		2.0lt 4 cyl TDI GEN III engines	2013
Seat	Leon	2.0lt 4 cyl TDI GEN III engines	2013
VW	Golf Mk VII	2.0lt 4 cyl TDI GEN III engines	2013

2015 - 2016 Audi - A3, L4 2.0L DSL (turbo)
2015 - 2016 Audi - A3, L4 1.8L (turbo)
2015 - 2016 Audi - A3 Cabriolet, L4 1.8L (turbo)
2015 - 2016 Audi - A3 Quattro, L4 2.0L (turbo)
2015 - 2016 Audi - A3 Quattro Cabriolet, L4 2.0L (turbo)
2015 - 2016 Audi - A4, L4 2.0L (turbo)
2015 - 2016 Audi - A4 Quattro, L4 2.0L (turbo)
2015 - 2016 Audi - A4 Quattro, L4 2.0L (turbo), Flex Fuel
2015 - 2016 Audi - A4 Quattro Allroad, L4 2.0L (turbo), Flex Fuel
2015 - 2016 Audi - A5 Cabriolet, L4 2.0L (turbo)
2015 - 2016 Audi - A5 Quattro Cabriolet, L4 2.0L (turbo), Flex Fuel
2015 - 2016 Audi - A5 Quattro Coupe, L4 2.0L (turbo)
2015 - 2016 Audi - A5 Quattro Coupe, L4 2.0L (turbo), Flex Fuel
2015 - 2016 Audi - A6, L4 2.0L (turbo)
2015 - 2016 Audi - A6 Quattro, L4 2.0L (turbo)
2015 - 2016 Audi - Q3, L4 2.0L (turbo), FWD
2015 - 2016 Audi - Q3 Quattro, L4 2.0L (turbo)
2015 - 2016 Audi - Q5 Quattro, L4 2.0L (turbo), Flex Fuel
2015 - 2016 Audi - Q5 Quattro, L4 2.0L (turbo), Hybrid
2015 - 2016 Audi - S3 Quattro, L4 2.0L (turbo)
2015 - 2016 Audi - TT Quattro Coupe, L4 2.0L (turbo)
2015 - 2016 Audi - TT Quattro Roadster, L4 2.0L (turbo)
2015 - 2016 Audi - TTS Quattro Coupe, L4 2.0L (turbo)
2015 - 2016 Audi - TTS Quattro Roadster, L4 2.0L (turbo)
2015 - 2016 Volkswagen - Beetle, 1.8L (turbo)
2015 - 2016 Volkswagen - Beetle, 2.0L (turbo)
2015 - 2016 Volkswagen - EOS, 2.0L (turbo)
2015 - 2016 Volkswagen - Golf, 1.8L (turbo)
2015 - 2016 Volkswagen - GTI, 2.0L (turbo)
2015 - 2016 Volkswagen - Jetta, 2.0L (turbo)
2015 - 2016 Volkswagen - Jetta, 2.0T
2015 - 2016 Volkswagen - Jetta GLI, 2.0L (turbo)
2015 - 2016 Volkswagen - Passat, 1.8L (turbo)
2015 - 2016 Volkswagen - Tiguan, 2.0T

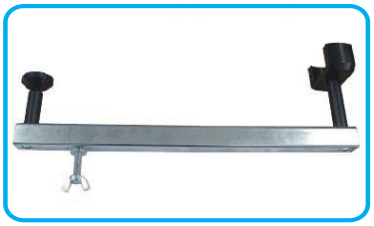
H.C.B-I2016 VW T5 ENGINE SUPPORT BRIDGE

VW T5 引擎平衡桿

- Used for supporting engine during removal and installation of gearbox.
- With extended fix base and adjustable supporting seat, make it suitable for most cars. With round rubber pad can let it stand steady.
- With two hooks and two chains, it is good for securely hoisting all kinds of engines and transmission.
- Application: Transporter 2004 >, VW T5.
- Specification: L 578 mm x W 1830 mm x H 145 mm.
- **VW OEM no. ref.:** 10-222a/ 23.







H.C.B-A1584 VW/ AUDI CAMSHAFT DIESEL ALIGNMENT TOOL

VW/ AUDI 凸輪軸柴油正時工具組

- For adjusting valve timing, and working on the crankshaft, valve train, timing belt replacement……, etc. without removing of the valve cover.
- Special design to set camshaft in the correct position for diesel engine.
- Application:
  1999-2003 Volkswagen Polo, Golf, Bora, Beetle, Caddy (at ~ 04), Audi, Skoda and Seat with 1.9 L Diesel TDI and SDI engines 66 KW and 81 KW
- **VW OEM no. ref.:** T10098A.

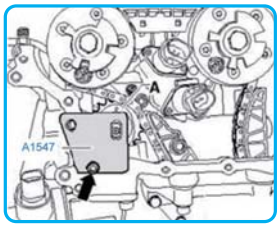


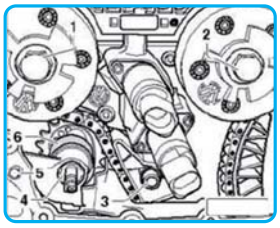
H.C.B-A1547 VW/ AUDI DRIVE SPROCKET ADJUSTMENT TOOL

VW/ AUDI 驅動齒輪調整工具

- Drive gear wheel adjustment tool for engines with mechanical vacuum pump. Hold the high pressure vacuum pump chain sprocket when adjusting cam / crank timing.
- Application: Audi Q7, [2007-2009] 3.6L [V6] (4v) (BHK) (BLV) with mechanical Vacuum Pump/ Passat 2006>, Touareg 2003>.
- **VW OEM no. ref.:** T10363.





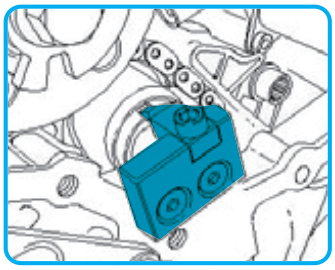


H.C.B-A1548 VW/ AUDI DRIVE SPROCKET ADJUSTMENT FIXTURE TOOL

VW/ AUDI 驅動齒輪調整固定工具

- Used when adjusting valve timing.
- For engines without Mechanical Vacuum Pump.
- Application: Passat with 3.6 L 6-cyl. 4V engine (BLV), Audi Q7 with 3.6 L V6 4V engine BHL, BHK.
- **VW OEM no. ref.:** T10332





H.C.B-A1549 VW/ AUDI FLYWHEEL LOCKING TOOL

VW/ AUDI 飛輪固定器

- This tool is designed for locking flywheel.
- Application: VW and SKODA 1.9 TDI engine

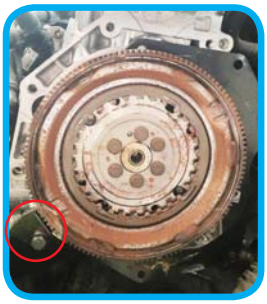


H.C.B-A1703 VW/AUDI FLYWHEEL COUNTER HOLDING TOOL

VW/AUDI 飛輪支擋工具

- Lock flywheel when servicing clutch.
- Application: VW Golf Mark 7 with 1.2/ 1.4 TSI engine (belt drive timing).
- **VW OEM no. ref. :** T10044, T10044-1





H.C.B-B1447 VW GTI FRONT SUSPENSION SHOCK ABSORBER SPRING COMPRESSOR

VW GTI 彈簧避震器拆裝工具

- For separating the subframe and shock absorber.
- Application: VW GOLF 7 GTI







H.C.B-A1552 VW/ AUDI 7-SPEED DSG CLUTCH REMOVAL/INSTALLATION TOOL KIT

VW/ AUDI 7 速 DSG 變速箱離合器拆裝器

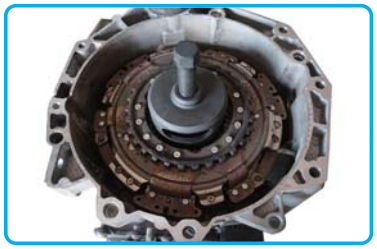
- This tool is designed to install and remove the clutch of gearbox.
- Application:
  VW Golf 2004 >, Golf Plus 2005 >,
  Audi A3 2004 > with 7-speed gearbox (code 0AM)
  Touareg 2003 > with 6-speed gearbox (code 08D)
- **VW OEM no. ref.:** T10323/T10373/T10374/T10376





Optional:(選購)
A1552-12





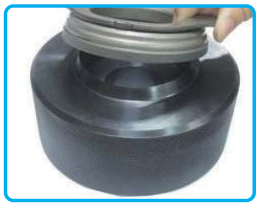


H.C.B-B1552 VW/ AUDI 7-SPEED DSG TRANSMISSION SPACER

VW/ AUDI 7 速 DSG 變速箱離合器墊塊

- This tool is designed for correcting 7-speed DSG transmission space.
- Application: VW, AUDI (After 2011) with 7-speed DSG (Code: 0AM)
- Combined with A1552
- **VW OEM no. ref.:** T10466





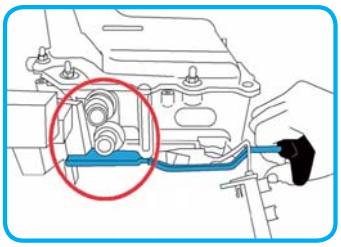


H.C.B-C1552 VW/ AUDI 7-SPEED DSG GEARBOX MECHATRONIC ASSEMBLY LEVER

VW/ AUDI 7 速 DSG 變速箱離合器閥體拆裝器

- Used to operate the engaging lever during dismantling and mounting of the mechatronic unit on 7-speed DSG gearbox (Code: 0AM).
- Application: VW and AUDI
- Combined with A1552 / B1552
- **VW OEM no. ref.:** T10407



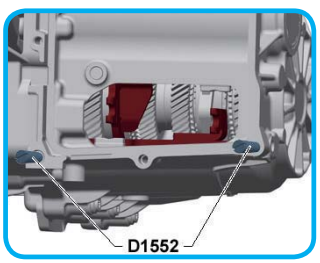


H.C.B-D1552 NEW VW/ AUDI 7-SPEED DUAL CLUTCH GEARBOX GUIDE BOLTS

VW/ AUDI 7 速雙離合變速箱定位銷

- To guide the mechatronic component during the mounting of the mechatronic unit.
- Application:
  Golf 2004 >, Golf 2009 >, Golf Plus 2005 >,
  Touran 2004 >,Audi A3 2004 >, Eos 2006 >,
  Passat 2006 >, Passat CC 2009 >,Scirocco2009>
  7-speed dual clutch gearbox 0AM
- **VW OEM no. ref.:** T10406





H.C.B-DSG

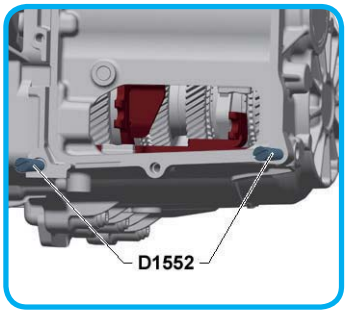
NEW

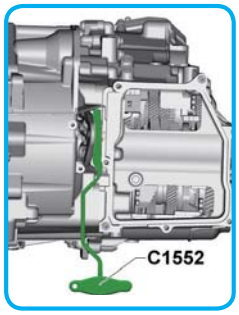
VW/ AUDI 7-SPEED DSG CLUTCH REMOVAL/ INSTALLATION TOOL KIT

VW/ AUDI 7 速 DSG 變速箱離合器拆裝工具組

- This tool is designed to install and remove the clutch of gearbox.
- Application:
  VW Golf 2004 >, Golf Plus 2005 > with 7-speed gearbox (code 0AM)
  Audi A3 2004 > with 7-speed gearbox (code 0AM)
  VW Touareg 2003 > with 6-speed gearbox (code 08D)











H.C.B-A1544

VW FRONT SUSPENSION SILENT BLOCK EXTRACTION/ INSTALLATION TOOL KIT (W/HYDRAULIC CYLINDER)

VW 前工字樑鐵套拆裝工具組 (油壓式)

- The A1544 pulling device allows the quick and safe removal and installation of assembly carrier double-type silent blocs on the vehicle. Loosening or removing the assembly carrier from the vehicle as well as follow-up wheel alignments is not necessary.

H.C.B-A1544



- Application:

Manufacturer	Model	Year
Audi	A3 (8P1)	05/2003 onwards
Audi	TT (8J3, 8J9)	from 08/2006 to 06/2010
Seat	Altea (5P5, 5P5, 5P8)	03/2004 onwards
Seat	Leon (1P1)	05/2005 onwards
Seat	Toledo III (5P2)	from 04/2004 to 05/2009
Skoda	Octavia (1Z3, 1Z5)	from 02/2004 to 12/2010
VW	Caddy III (2KA, 2KB, 2KH, 2KJ, 2CA, 2CB, 2CH, 2CJ)	from 04/2004 to 08/2010
VW	EOS (1F7, 1F8)	06/2006 onwards
VW	Golf Plus (5M1, 521)	01/2005 onwards
VW	Golf V (1K1, 1K5)	from 10/2003 to 2009
VW	Golf VI (5K1, AJ5)	10/2008 onwards
VW	Jetta III (1K2)	from 08/2005 to 10/2010
VW	Touran (1T1, 1T2, 1T3)	08/2003 onwards
VW	Passat (3C2, 3C5, 362, 365)	from 03/2005 to 06/2010
VW	Scirocco (137)	05/2008 onwards
VW	Tiguan (5N)	09/2007 onwards









H.C.B-B1544 VW FRONT SUSPENSION SILENT BLOCK EXTRACTION/ INSTALLATION TOOL KIT (MANUAL)

VW 前工字樑鐵套拆裝工具組 (手動)

- The B1544 pulling device allows the quick and safe removal and installation of assembly of carrier double-type silentblocs performed suitably on the vehicle. Loosening or removing the assembly of carrier from the vehicle without the necessity of follow-up wheel alignments.

- Application:

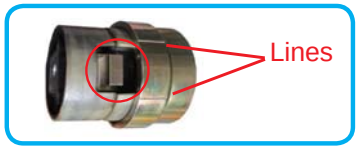
Manufactuer	Model	Year
Audi	A3 (8P1)	05/2003 onwards
Audi	TT (8J3, 8J9)	from 08/2006 to 06/2010
Seat	Altea (5P5, 5P5, 5P8)	03/2004 onwards
Seat	Leon (1P1)	05/2005 onwards
Seat	Toledo III (5P2)	from 04/2004 to 05/2009
Skoda	Octavia (1Z3, 1Z5)	from 02/2004 to 12/2010
VW	Caddy III (2KA, 2KB, 2KH, 2KJ, 2CA, 2CB, 2CH, 2CJ)	from 04/2004 to 08/2010
VW	EOS (1F7, 1F8)	06/2006 onwards
VW	Golf Plus (5M1, 521)	01/2005 onwards
VW	Golf V (1K1, 1K5)	from 10/2003 to 2009
VW	Golf VI (5K1, AJ5)	10/2008 onwards
VW	Jetta III (1K2)	from 08/2005 to 10/2010
VW	Touran (1T1, 1T2, 1T3)	08/2003 onwards
VW	Passat (3C2, 3C5, 362, 365)	from 03/2005 to 06/2010
VW	Scirocco (137)	05/2008 onwards
VW	Tiguan (5N)	09/2007 onwards




Removal


Installation





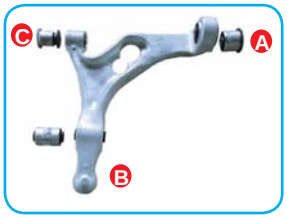


H.C.B-A1536 VW(TOUAREG)/ AUDI(Q7)/ PORSCHE(CAYENNE) LOWER TRAILING ARM BUSH REMOVER/ INSTALLER

VW (TOUAREG) / AUDI (Q7) / PORSCHE (CAYENNE)
前三角架鐵套拆裝工具組



- This tool has a hydraulic system design which can be used with H.C.B-B1129 hydraulic hand pump or H.C.B-A3036 air pump.
- This tool can finish the removal and installation of bush on car which is time-saving and convenient.
- It is designed for removing and replacing the bushings on the lower trailing arm.
- Application: VW (TOUAREG 2.5), AUDI (Q7), PORSCHE (CAYENNE)
- For the 72 mm Bush, Bush OEM no. 7L0 407 182G





Optional: (選購工具)

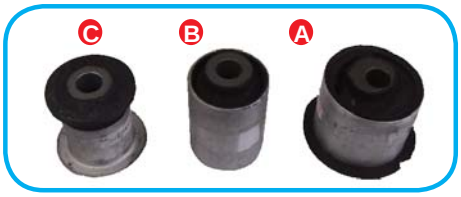


Bush OEM no.
7L0 407 182G







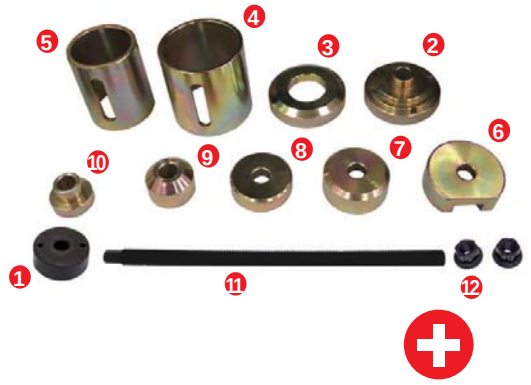


H.C.B-B1536 NEW VW (TOUAREG)/ AUDI (Q7)/ PORSCHE (CAYENNE) LOWER TRAILING ARM BUSH REMOVER/ INSTALLER

VW (TOUAREG)/ AUDI (Q7)/ PORSCHE (CAYENNE) 前三角架鐵套拆裝工具組

- This tool allows quick and precise on car replacement of the lower trailing arm bush.
- Application: VW (TOUAREG 2.5), AUDI (Q7), PORSCHE (CAYENNE)

No.	Description	Dimensions	Q'ty	Remark
1	Bearing	D: Ø57 x 23L d: Ø14.5	1	
2	Removing Body	D: Ø83.5 x 32L	1	d: Ø17
3	Installing Body	D: Ø83.5 x 19L	1	d: Ø41
4	Removing Pipe	D: Ø83 x 90L	1	d: Ø73
5	Removing Pipe	D: Ø67 x 90L	1	d: Ø57
6	Installing Plate	D: Ø74 x 32L	1	d: Ø17
7	Installing Plate	D: Ø63 x 26L	1	d: Ø17
8	Removing Plate	D: Ø59 x 18L	1	d: Ø17
9	Removing Plate	D: Ø45 x 30L	1	d: Ø17
10	Removing Plate	D: Ø39 x 28L	1	d: Ø17
11	Spindle	M14 x P2.0 x 265L , H10	1	
12	Nut	M14 x P2.0	2	
Optional Parts(選購)				
13	Removing Pipe	D: Ø95 x 75L	1	d: Ø73
14	Removing Plate	D: Ø71 x 19.5L	1	d: Ø17
15	Installing Plate	D: Ø86 x 32L	1	d: Ø17

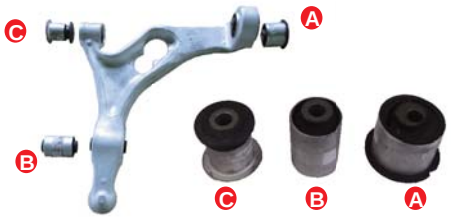


- For the 72 mm Bush, Bush OEM no. 7L0 407 182G

Optional parts:(選購)

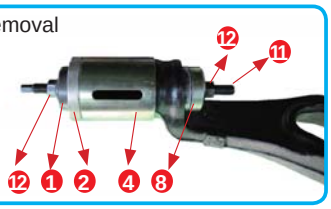


- This tool replaces all the 3 bushes in the trailing arm.

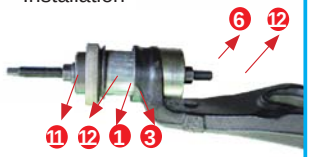


- Instructions:

Removal



Installation

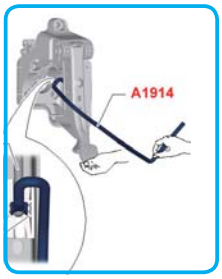


H.C.B-A1914 NEW VW BRAKE SERVO RELEASE TOOL

VW 煞車系統調整工具

- For separating brake servo push rod from brake pedal.
- Application: VW Passat (2015-2016) /VW Phaeton
- **VW OEM no.ref.:** T10159



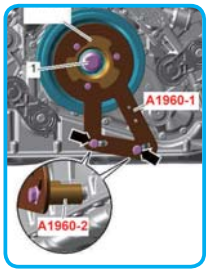


H.C.B-A1960 NEW VW/AUDI A6/A7 DIESEL TDI CRANKSHAFT VIBRATION DAMPER COUNTERHOLD TOOL (3.0L 6 cyl.)

VW/AUDI A6/A7 柴油 TDI 曲軸支擋工具 (3.0L 6 cyl.)

- Counterholding the vibration damper.
- Application:Type/Model: Audi A6 2011 >, Audi A7 Sportback 2011 >
  Engine/Assembly group: 6-cyl. TDI common rail (3.0l, 4V engine generation II EVO)
- **VW OEM no.ref.:** T40298





H.C.B-E1129 VW GOLF/ AUDI A3 REAR TRAILING ARM BUSHING REMOVER/ INSTALLER (W/ HYDRAULIC CYLINDER)

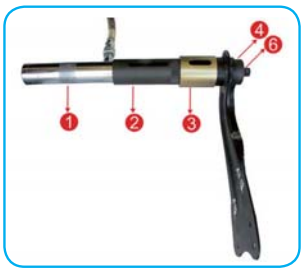
VW GOLF/ AUDI A3 後游臂鐵套拆裝工具 (油壓式)

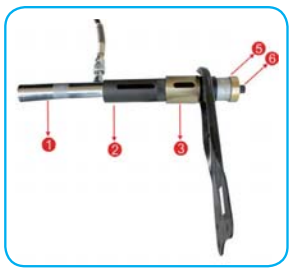





REAR TRAILING ARM

- Allow on-car removal and installation without the necessity of removing the rear trailing arm.
- This tool has hydraulic system which can work with H.C.B-B1129 hand pump or H.C.B-A3036 air pump and saves time and labor. This is a must-have tool for installing and removing the bush.


Removal


Installation

- Application:
  AUDI A3 2004 and after
  VW GOLF 2005 and after
  VW PASSAT 2005 and after

H.C.B-A1575 VW T5 FRONT LOWER TRACK CONTROL ARM BUSH REMOVAL/ INSTALLATION TOOL KIT PAT.M504750

VW T5 前三角架鐵套拆裝工具組

- This tool is designed for removing and installing the bush.
- Application: VW T5




After 2011 | 2008-2010 | 2005-2007




Front bush no.: 26937 01 Rear bush no.: 26935 01


Front bushing Extraction


Front bushing Installation


Rear bushing Extraction


Rear bushing Installation

H.C.B-A1578 VW CRAFTER 2.5 TDI CRANKSHAFT PULLEY HOLDER

VW CRAFTER 2.5 TDI 曲軸皮帶盤支擋扳手







Genuine stock No.:
074105251AC

- For holding the crankshaft pulley of Volkswagen Crafter 2.5 TDI
- Application: VW CRAFTER 2.5 TDI.





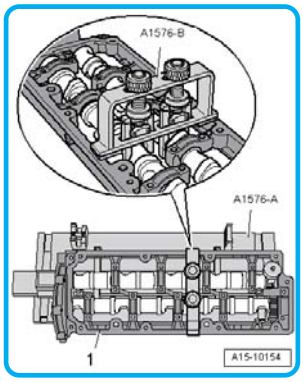
H.C.B-A1576 VAG/ PORSCHE CAMSHAFT CYLINDER HEAD TIMING TOOL KIT

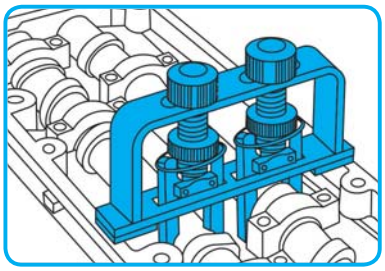
VAG/PORSCHE 凸輪軸汽缸蓋正時工具組

- Designed for fitting camshafts into cylinder heads during head rebuilds.
- Application: VAG models and Porsche with diesel engine.









H.C.B-A1580 VAG DIESEL ENGINE TIMING TOOL KIT

VAG 柴油引擎正時工具組

- For the installation and adjustment of phases timing and cylinder head assembly.
- Application: Diesel engines of 1.2 / 1.4 / 1.9 / 2.0 / 2.7 / 3.0 liters (injection system common rail), as well as engines system TDI PD 1.9
- **VW OEM no. ref.:**
  3242 / 3359 / T40058 / T40049 / T40060 / T40061 / T40062 / T10050 / T10115 / T10060 / T10100 / T40095 / T40096 (1)



H.C.B-A1591 VW/ AUDI FUEL TANK SENDER WRENCH (A6/A8)

VW/ AUDI 油箱蓋拆裝器 (A6/A8)

- Specially designed to remove and install the fuel pump cap on cars with diesel or petrol engines.
- Application:
  Primarily Audi A6 (2005 and above), Audi A8 (1994 and above), Audi A8 (2003 and above) as well as other models
- **VW OEM no. ref.:** T40068A



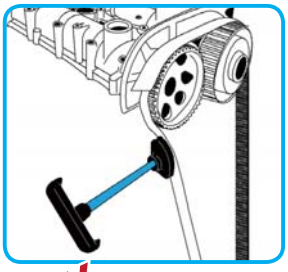


H.C.B-B1594 VAG 1.0, 3 CYLINDER ENGINE TIMING TOOL KIT

VAG 1.0, 3 汽缸引擎正時工具組

- For checking and adjusting engine timing.
- Application: 1.0L 3-cyl petrol engines VW up, SKODA Citigo, SEAT Mii since 2011









H.C.B-C1594 NEW VAG TIMING TOOL KIT (1.0/1.2/1.4)

VAG 正時工具組 (1.0/1.2/1.4)

- For checking and adjusting engine timing.
- Application:
  1.0 L 3-cylinder, fitted in the Seat Mii / Skoda Citigo / VW Up. with engine code - chya, chyb, CPGA
  1.2 / 1.4L 4-cylinder direct injection engine with turbocharger, installed in the Audi A3 / VW Golf from 2013



No.		Description	Q'ty	OEM no.ref.
A		Camshaft Drive Belt Tension Wrench	1	T10499
B	A1105-7	Crankshaft Locking Pin	1	T10340
C		Camshaft timing tool	1	T10476
D		Camshaft timing tool	1	T10477
E	A1505	Camshaft timing tool	1	T10494
F		Camshaft Fitting Insertion Tool	1	T10487
G	A1632	Vag 1.4 Tfsi camshaft timing tool kit	1	T10504
H		Belt Tensioner Lock Pin		T10060A





H.C.B-A1595 AUDI A8 CAMSHAFT LOCATING TOOL KIT

AUDI A8 凸輪軸正時工具組

- Used to locate camshaft when adjusting timing.
- Application: 1997 - 1999 Audi A8 (V8 4V engine)
- **VW OEM no. ref.:** 3341



H.C.B-B1595 NEW VW/ AUDI CAMSHAFT LOCATING TOOL

VW/ AUDI 凸輪軸正時工具

- Used to position camshaft during reassembly to ensure correct timing position.
- Application: AUDI - V8 2/89-4/96 ABH, PT
- **VW OEM No. ref.:** 3199



H.C.B-A1848 NEW AUDI A8 4.0L TIMING TOOL KIT

AUDI A8 4.0L 正時工具組

- Used to rotate the camshaft for adjusting engine timing or tightening the timing chain.
- Application: Audi A6 2011 >, Audi A7 Sportback 2011 >, Audi A8 2010 > 8-cyl. 4.0l TFSI direct injection engine
- **VW OEM No. ref.:** T40272/ T40269/ T40264/ T40071





H.C.B-C2276 VAG 1.6/2.0 TDI CRANKSHAFT TIMING TOOL KIT

VAG 1.6/2.0 TDI 曲軸正時工具組

- Application:
  VW: Golf SV/Sportsvan, Golf VII, Golf VII Estate, Golf VII Wagon, Polo
  SEAT: Leon, Leon ST
  AUDI: A3 Cabrio, A3 Saloon, A3 Sedan, A3/A3 Sportback, A4, A4 allroad, A4 quattro,A5 Coupe/Cabriolet, A5 Sportback, A6, Q5,TT
  SKODA: Octavia III
  Motore: 1.4TDI CR, 1.6TDI CR, 1.6TDI CR GreenLine, 1.6TDI CR BlueMotion, 1.6TDI CR Ecomotive, 2.0TDI CR, 2.0 RS TDI CR, 2.0TDI CR Ultra
  Codici motore: CKFB, CKFC, CLHA, CLHB, CNHA, CNHC, CRBC, CRBD, CRFA, CRFC, CRKA, CRKB, CRLB, CRLC, CRMB, CRVA, CRVC, CSUA, CSUB, CUNA, CUPA, CUTA, CUSA, CUSB
- **VW OEM no. ref.:** T10264/T10265/T10490/T10051/ T10060A/T10492/3359







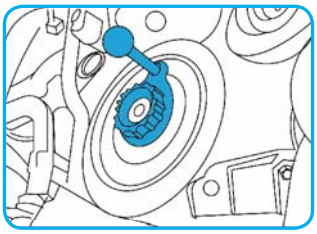


H.C.B-B2276 VAG 1.6/2.0 TDI CRANKSHAFT LOCK TOOL KIT

VAG 1.6/2.0 TDI 曲軸固定工具組

- Used to lock crankshaft at TDC when servicing the 1.8 and 2.0 generation III TFSI engine.
- Used to lock the high pressure pump of the 2.0 TDI common rail engine during removing/installing the high pressure pump or timing belt.
- Application:
  Audi A3 2013 >, Golf 2013 >
  Assembly group: 4-cyl. Common rail (1.6 and 2.0 l, 4V, turbocharger)
- **VW OEM no. ref.:** T10490/T10492





H.C.B-A2276 VAG 1.2, 1.6 & 2.0 TDI ENGINE TIMING TOOL KIT

VAG 1.2, 1.6 & 2.0 TDI 引擎正時工具組

- This kit allows locking the crankshaft in the correct position for timing, for engines with cylindrical or oval pulleys.
- It also includes an indispensable tool for locking the camshaft and a dedicated special extractor for the extraction of its pulley.
- Application:
  - Skoda: Roomster, Fabia, Praktik, Octavia, Yeti, Superb
  - Audi: A1, A3, A4, A5, A6, Q5, TT
  - VW: Jetta, Touran, Golf, Golf Plus, Polo, Passat, Tiguan, Scirocco
  - Seat: Exeo, Leon, Altea, Toledo, Ibiza
- Applicable engine: 1.2 D TDI CR, 1.6 D TDI CR, 2.0 D TDI CR
- Applicable engine code: CAGA, CAGB, CAGC, CAHA, CAHB, CFHC, CBAA, CBAB, CFFB, CGLA, CGLB, CJCA, CJCB, CAAA, CBAA, CBAB, CBAC, CBBA, CBBB, CBDA, CBDB, CBDC, CCHA, CEGA, CJAA, CAAB, CAAC, CFJA, CFWA, CAYB, CAYC, CAYA
- **VW OEM no. ref.:**
  T10264/ T10265/ T10051/ T10052/ 3359/ T40098 (T100601A)/ T10050/ T10100/ T10255





H.C.B-A1607 VW/ AUDI 4 CYLINDER TDI TIMING TOOL KIT

VW/ AUDI 4 汽缸 TDI 正時工具組

- Used for setting and adjusting the cam / crank / pump timing on 1999-2011 Volkswagen TDI engine.
- Application: Volkswagen Beetle / New Beetle 2.5 L / Golf / Jetta / Jetta Sportswagen / Passat
- **VW OEM no. ref.:** T10264 / T10265 / T10115 / T10050 / T10100 / 3359 / T10020 / 3428 / 3387.

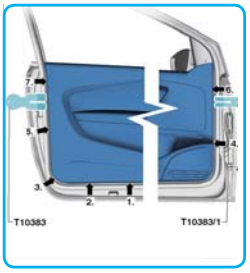


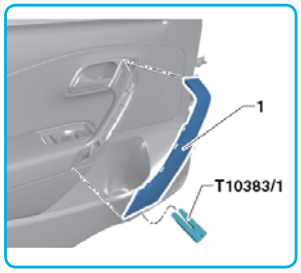
H.C.B-A1631 VW WEDGE KIT

VW 門板撬棒工具組

- Used for general body repairs, for removing the interior of door trim.
- Application: All Volkswagen Cars. Passat CC 2009>
- **VW OEM no. ref.:** T10383.T10383/1.T10383/2





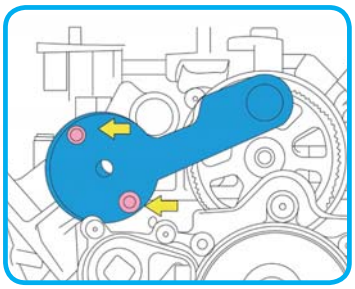


H.C.B-A1632 VAG 1.4 TFSI CAMSHAFT TIMING TOOL KIT

VAG 1.4 TFSI 凸輪軸正時工具組

- Securing the camshaft when checking and adjusting valve timing.
- Specially designed to secure the position for adjusting camshaft.
- Application: Audi A3 2013 >, Golf 2013 >, Octavia 2013 >, Leon 2013 >4-cyl. injection engine (1.4l direct injection engine, turbocharger)
- **VW OEM no. ref.:** T10504





H.C.B-A1633 VAG 1.8 & 2.0 TFSI CHAIN TENSIONER LEVER

VAG 1.8 & 2.0 TFSI 正時鏈條張緊器

- Slackening chain tensioner. This is necessary, for instance, when detaching the timing chain from the camshaft. This tool is essential for generation III and facilitates work on generation I + II.
- Application:
  4-cyl. 1.8l, 2.0l 4V TFSI direct injection engine (generation III), Audi A4 2008 >, Audi A5 Cabriolet 2009 >, Audi A5 Coupe 2008 >, Audi Q5 2008 >, Audi A3 2012 >, CC 2012 >, 4-cyl. 1.8l, 2.0l 4V TFSI direct injection engine (generation III)
- **VW OEM no. ref.:**T40243





H.C.B-A1817

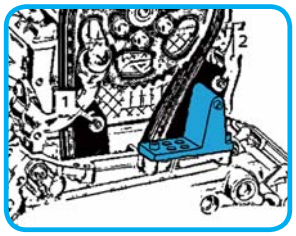
New

VW/ AUDI 3.0L V6 CHAIN TENSIONER MOUNTING BRACKET

VW/ AUDI 3.0 L V6 鏈條張緊器安裝支架

- To secure chain tensioner.
- Application:
  Audi A7 2011, Audi Q7 2007 > 6-cyl.
  TDI common rail 3.0 l 4V engine
- **VW OEM No. ref.:** T40246





H.C.B-C2288

VW WHEEL LOCK SCREW SOCKET KIT (23 PCS)

VW 防盜螺絲套筒組 (23 PCS)



- Not limited to vehicles, the screw is randomly used in the car model from 2005~
- SCM440 with Harden and Chrome Planted
- Length: 30 mm, HEX: 17 mm
- Contents:

  22 pcs - #51/6PT, #52/7PT, #53/8PT, #54/9PT, #55/10PT, #56/11PT, #57/18PT
  #58/13PT, #59/14PT, #60/15PT, #61/16P, #62/17PT
  ABC0/10PT, ABC1/11PT, ABC2/13PT, ABC3/14PT, ABC4/15PT, ABC5/16PT
  ABC6/17PT, ABC7/19PTABC8/20PT, ABC9/21PT
  1 pcs: 1/2"dr 85 mmL H17 socket





H.C.B-E2288

VW WHEEL LOCK SCREW SOCKET KIT (20 PCS)

VW 防盜螺絲套筒組 (20 PCS)

- Application: UP Polo (2010-), Beetle (2012-), Golf (2009-), Jetta (2011-), EOS, Scirocco, Passat (2006-), Sharan, Touran, Tiguan
- Length: 42 mm, HEX: 17 mm
- Sizes: #521,#522,#523,#524,#525,#526,#527,#528,#529,#530, #531,#532,#533,#534,#535,#536,#537,#538,#539,#540
- Material: SCM440 chrome plated
- **VW OEM no. ref.:** T10313





H.C.B-F2288 AUDI WHEEL LOCK SCREW SOCKET KIT (20 PCS)

AUDI 防盜螺絲套筒組 (20 PCS)

- Size: #801, #802, #803, #804, #805, #806, #807, #808, #809, #810, #811, #812, #813, #814, #815, #816, #817, #818, #819, #820
- Material: SCM440 CHROME PLATED
- **OEM no. ref.:** T40073



H.C.B-A1752 NEW AUDI/ PORSCHE BRAKE CALIPER SCREW SOCKET (10 POINTS, 15 mm, L: 50 mm)

AUDI/ PORSCHE 碟剎卡鉗螺絲套筒 (10 角 , 15 mm, L: 50 mm)

- Socket for tightening and loosening the retaining screws on brake caliper.
- Size: Dr. 1/2", 10 points, 15 mm, L: 50 mm
- Application: Audi Q7, S8 and Porsche Macan, Cayenne, Cayman







H.C.B-B1752 NEW AUDI A8/ S6 BRAKE CALIPER SCREW SOCKET (10 POINTS, 20 mm, L: 50 mm)

AUDI A8/ S6 碟剎卡鉗螺絲套筒 (10 角 , 20 mm, L: 50 mm)

- Socket for tightening and loosening the retaining screws on brake caliper.
- Size: Dr. 1/2", 10 points, 20 mm, L: 50 mm
- Application: Audi Q7, S8 and Porsche Macan, Cayenne, Cayman



H.C.B-A2320 AUDI S5 BRAKE CALIPER SCREW SOCKET

AUDI S5 碟剎卡鉗螺絲套筒

- Socket for tightening and loosening the retaining screws on brake caliper.
- Size: Dr. 1/2", AS-22, L: 48 mm
- Application: Audi S5

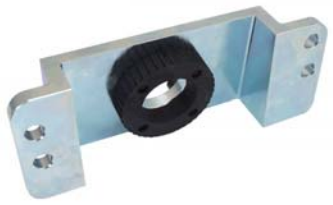


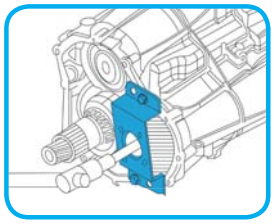


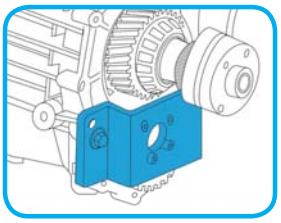
H.C.B-A1715 VW SIDE SHAFT COUNTER HOLDER

VW 側軸支擋扳手

- Used for loosening side shaft on 6-speed manual gearbox 0B2, four-wheel drive.
- Application:
  Audi A4 2008>, Audi A5 2008>, Audi A5 Cabriolet 2009>, Audi Q5 2009> with 6-speed manual gearbox 0B2, four wheel drive.
- **VW OEM no. ref.:** T40217





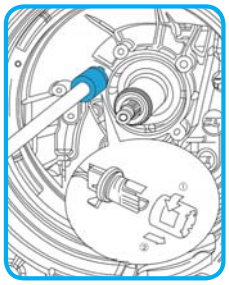


H.C.B-B1715 NEW VW/ AUDI SENSOR MODULE TOOL

VW/ AUDI 傳感器工具

- Releasing connector on sensor module
- **Application:**
  Type / model: Audi A4 2008 >, Audi A5 Cabriolet 2009 >, Audi Q5 2008 >,
  Audi A5 Coupe 2008 >, Audi A5 Sportback 2008 >,
  Audi A7 Sportback 2011 >
  Assembly group: Maintenance 7-speed dual clutch gearbox 0B5 (s tronic)
- **VW OEM no. ref.:** T40228



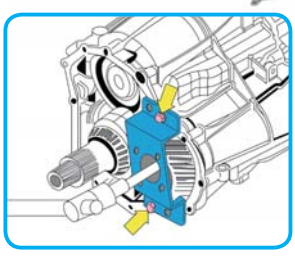


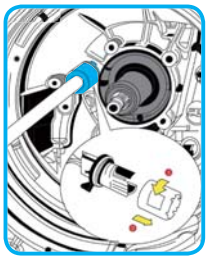
H.C.B-C1715 NEW VW/ AUDI 7-SPEED DSG TOOL KIT

VW/ AUDI 7 速 DSG 變速箱工具組

- Used when loosening side shaft and releasing connector on sensor module on gearbox 0B2.
- Application:
  Type / model: Audi A4 2008 >, Audi A5 Cabriolet 2009 >, Audi Q5 2008 >, Audi A5 Coupe 2008 >, Audi A5 Sportback 2008 >, Audi A7 Sportback 2011 > with gearbox 0B2.
- **VW OEM no. ref.:** T40217, T40228







H.C.B-A1725 VW COOLANT PUMP THERMOSTAT WRENCH

VW 水幫浦溫度控制器扳手

- For the removal and installation of coolant pump thermostat.
- Application:
  Type / model: Audi A3 2013 >, Golf 2013 >, Octavia 2013 >, Leon 2013
- Applicable engines:
  1.2L TSI – petrol/ 1.4L TFSI – petrol/ 1.4L FSI – petrol/ 1.0L TFSI 4V 3cil – petrol/1.4L TDI CR 3cil - diesel
- **VW OEM no. ref.:** T10508



H.C.B-A1727 VAG/ PORSCHE CONNECTOR DISCONNECT TOOL

VAG/ PORSCHE 接頭分離工具

- This tool fits directly on the push & pull style VAG / Porsche connector and the black plastic T-handle gives perfect grip and just the perfect amount of leverage to release the connector and won't break the tab.
- This style connector is often found on mass air flow (MAF) sensor, coil packs, headlights/fog lights, level sensors, and MAP sensors……, etc.





H.C.B-A1728 VW CAMSHAFT LOCKING TOOL KIT

VW 凸輪軸固定工具組

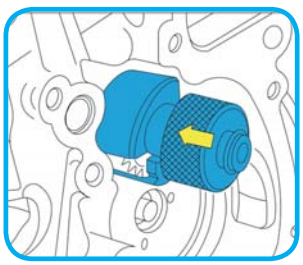
- Lock the camshaft while adjusting engine timing.
- Application:
  Audi A8 2010 >, Audi A6 2011 >
  with 8-cyl. 4.0 L, 4V TFSI engine
- **VW OEM no. ref.:** T40264



H.C.B-A1731 VAG (1.8/ 2.0 L) BALANCE SHAFT PULLER

VAG (1.8/ 2.0 L) 平橫軸拉拔器

- Used for removal of balancer shaft
- Application:
  4-cyl.injection engine (1.8 and 2.0 liter engines), chain drive Golf 2004>, Passat 2006>, Passat CC 2009>, Tiguan 2008>,EOS 2006>, Audi A3 2004>,Audi A4 2008>,Audi TT 2007,Audi A5 2008>
- **VW OEM no. ref.:** T10394



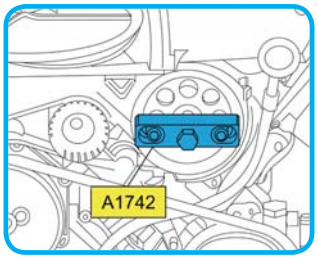


H.C.B-A1731

H.C.B-A1742 VAG HIGH PRESSURE PUMP TOOTH BELT PULLEY PULLER

VAG 高壓幫浦齒型皮帶盤拔卸器

- Used to remove toothed belt pulley.
- Application: Touareg 2003>, Phaeton 2003>, Audi A4 2001>, Audi A6 2005>, Audi A8 2003>, Audi Q7 2007> with 6-cyl. TDI common rail 3.0 L 4V engine
- **VW OEM no. ref:** T10320





H.C.B-C1082 NEW UNIVERSAL BALL JOINT SEPARATOR KIT (28 mm)

萬用球接頭拔卸組 (28 mm)

- Splitting track-rod ends, ball joints on anti-roll bar..etc., especially in confined space conditions like on Audi, A4, A6, A8, VW, Passat ab '97, etc



H.C.B-A1821 NEW VAG DSG TRANSMISSION OIL FILLING TOOL

VAG DSG 變速箱油填充工具

- For filling 7-speed dual clutch gearboxes.
- Application: Audi A6 2011>
- Specifically designed to screw into the plastic level/drain plug used on the latest VAG 7 speed DSG gearboxes.
- **VW OEM no.:** VAS 6617/12

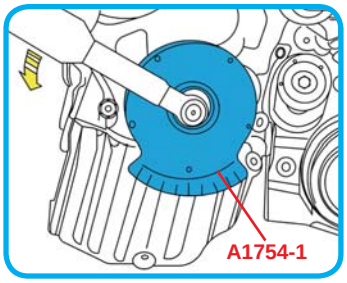


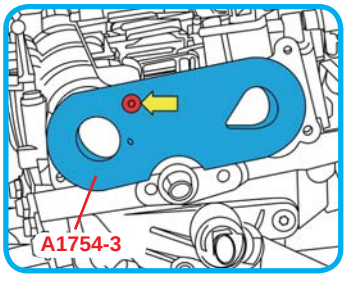
H.C.B-A1754 NEW VW/ AUDI 1.2/ 1.4 TIMING CHAIN TEST TOOL KIT

VW/ AUDI 1.2/ 1.4 正時鏈條檢測工具組

- Application: Checking elongation of timing chain
- Type/ Model: Various VOLKSWAGEN Group models:
  Audi: A1 (12-15), A1 Sportback (12-15), A3 (13-15), A3 Sportback (12-15)
  Seat: Ibiza (12-17), Leon (12-15), Toledo (12-17)
  Skoda: Fabia II (10-15), Fabia III (14-17), Octavia II (10-13), Octavia III (10-15), Praktik (10-15), Roomster (10-15), Rapid (15-17)
  Volkswagen: Golf VII (08-15), Golf VII Estate (08-17), Jetta (12-17), Polo (12-17), Sportsvan (14-17)
- Engine/Assembly group:
  4-cyl. injection engine
  (1.2 L engine, direct injection, turbocharger)
  4-cyl. injection engine
  (1.4 L engine, direct injection, turbocharger)
- **VW OEM no. ref.:** T10550







H.C.B-A1787 NEW VW T5 REAR TRAILING ARM BUSH REMOVAL/ INSTALLATION TOOL KIT PAT. M563983

VW T5 後拖曳臂鐵套拆裝工具組

- This tool kit is designed to replace the rear control arm bush of Volkswagen T5 on car.
- With this tool, the bush can be extracted and installed without any damage.
- Due to the special shape of the bush, air impact wrench is highly recommended for removal.
- Application: Volkswagen T5





Removal



Installation-1



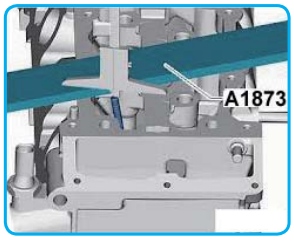
Installation-2



H.C.B-A1873 NEW VW CLUTCH PRECISION STRAIGHT EDGE (2 PCS)

VW 離合器尺規

- Used for measuring while replacing and setting up the clutch.
- Application model: Jetta Hybrid clutch.
- **VW OEM no. ref.:** T40100





H.C.B-A1859 NEW VW SHIFTER ALIGNMENT TOOL

VW 排檔桿校正工具

- Used for adjusting shifter mechanism.
- Application: VW MK2/ MK3 GOLF, JETTA
- **VW OEM no. ref.:** 3285



H.C.B-A1860 NEW VW A/C VENT REMOVER

VW 冷氣出風口拆卸工具

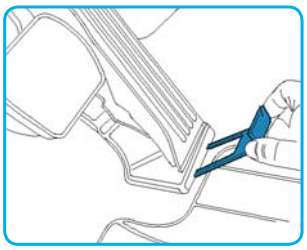
- Used to remove front seat backrest panel on AUDI A4.
- Used to remove one-piece front A/C vent on VW/ Audi from 09.94.
- Application: VW/ Audi
- **VW OEM no. ref.:** 3370



H.C.B-A1861 NEW VW ACCELERATOR MODULE RELEASE TOOL

VW 油門踏板模組拆卸工具

- Necessary tool for removing the accelerator module.
- Application: VW Touran 2003 >
- **VW OEM no. ref.:** T10269





H.C.B-A1863 NEW VW INPUT SHAFT BEARING INSTALLER

VW 輸入軸培林安裝工具

- For installing the needle bearing of input shaft.
- Applicable transmission:
  02M(4)CABLE5VY6V, 02Q 6V, 0AJ, 01X 6V,
  02NCABLE6V, GRUPO FINAL, 0AM, 0AH, 0A6,
  02U, 0BB, 0CW, 0FB 6V, 0DF, 0DQ
- **VW OEM no. ref.:** VW 455



H.C.B-A1865 NEW VW GEARBOX SHAFT SPACER

VW 變速箱軸調整工具

- For adjusting gear shift mechanism.
- Application: Transporter 2004 >,5-speed manual gearbox 02Z
- **VW OEM no. ref.:** T10217



H.C.B-A1866 NEW VW GEARBOX SHAFT SPACER

VW 變速箱軸調整工具

- For adjusting gear shift mechanism.
- Application: Transporter 2004 >,6-speed manual gearbox 0A5
- **VW OEM no. ref.:** T10216



H.C.B-A1844 NEW VW/ AUDI 2.0L DIESEL ENGINE ACTUATOR SOCKET (10 mm)

VW/ AUDI 2.0L 柴油引擎調節器套筒 (10 mm)

- Used for removing or installing the actuator with position sender for charge pressure actuator.
- Application: Eos 2006 >, Golf 2009 >, Golf Plus 2009 >, Jetta 2006 >, Passat 2006 >, Passat CC 2009 >,Scirocco 2009 >, Tiguan 2008 >, Transporter 2010 >, Audi A3 2004 > with 4 cylinder 2.0 L common rail diesel engine.
- **VW OEM No. ref.:** T10422A



H.C.B-A1917 NEW VW DQ250 TRANSMISSION TOOL

VW DQ250 變速箱工具



H.C.B-A2352 NEW QKX3 SOCKET

QKX3 套筒



H.C.B-A1952 NEW VW PISTON INSTALLATION TOOL

VW 活塞安裝工具

- Used for piston installation on all VW model with VR6 engines
- Application: VW
- **VW OEM no. ref.:** 3278



H.C.B-A1957 NEW VW/ AUDI PTFE CAMSHAFT OIL SEAL INSTALLER

VW/ AUDI PTFE 凸輪軸油封安裝器

- Used to install VW and Audi PTFE camshaft oil seals.
- Application: VW/ AUDI 15-Cylinder Head, Valve
- **VW OEM no.ref.:** T10071



H.C.B-A1958 NEW VW/ AUDI CRANKSHAFT OIL SEAL INSTALLER

VW/ AUDI 曲軸油封安裝器

- Replacing crankshaft oil seal (belt pulley end).
- Application:
  -Jetta Hybrid 2013, 1.4 TSI-up!
  2012 >Assembly group: 3-cyl. 4V injection engine
- **VW OEM no.ref.:**T10485/1/2/3



H.C.B-A1978 NEW VW GOLF DIFFERENTIAL SOCKET (Dr.1/2" x H6 x 305 mm)

VW GOLF 差速器套筒 (Dr.1/2" x H6 x 305 mm)

- Material:SCM-V
- Size:Dr. 1/2” x H6 x305 mm





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Specialty Tools Inc.

SUBARU

修護工具

SUBARU REPAIR TOOL



H.C.B-A1079-1 SUBARU IMPREZA CRANKSHAFT PULLEY REMOVER/ INSTALLER (6 POINTS, 60 mm)

SUBARU IMPREZA 正時皮帶盤拆裝工具 (6 角 ,60 mm)

- The tool is designed to remove and install the crankshaft pulley.
- Application: IMPREZA/ LEGACY/ FORESTER.
- N.W. : 0.58 KGS.





H.C.B-A1079-2 SUBARU IMPREZA CRANKSHAFT PULLEY REMOVER/ INSTALLER (12 POINTS)

SUBARU IMPREZA 正時皮帶盤拆裝工具 (星型)

40 / 20.8 / 22.3 / 0.62'



- This tool is designed to remove and install the crankshaft pulley.
- Application: SUBARU IMPREZA.



H.C.B-A1079-3 SUBARU IMPREZA CRANKSHAFT PULLEY REMOVER/ INSTALLER (12 POINTS)

SUBARU IMPREZA 正時皮帶盤拆裝工具 (星型)

- This tool is designed to remove and install the crankshaft pulley.
- Application: SUBARU IMPREZA/ LEGACY/ FORESTER.
- **SUBARU OEM no. ref.:** 499207400.





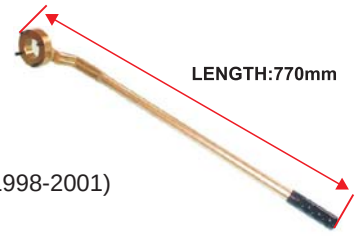




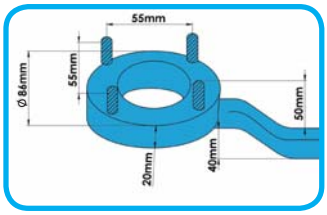
H.C.B-A1093 SUBARU IMPREZA CRANKSHAFT PULLEY REMOVER/ INSTALLER

SUBARU IMPREZA 正時皮帶盤拆裝工具

10 / 18 / 22 / 2.7'



- This tool is designed to remove and install the crankshaft pulley.
- Application: SUBARU IMPREZA 1800 c.c. (1998-2001)
- N.W.: 1.8 KGS, Length: 770 mm











H.C.B-B1093 SUBARU CRANK PULLEY WRENCH

SUBARU 曲軸皮帶支擋扳手

- Perfect for timing belt service or other engine services.
- 2 sets of removable pins allow you to remove style Subaru crankshaft pulley.
- Comparable to both factory tools #499977100, #499977300.
- Application:
  - 93-11 Subaru Impreza
  - 98-09 Subaru Forester
  - 94-09 Subaru Legacy and Outback
  - 05-06 Saab 9-2X
  - 04-06 Subaru Baja
  - 12+ Subaru BRZ
  - 12+ Toyota GT86
  - 12+ Scion FR-S





H.C.B-A1134 SUBARU ESTRATTO, TUTTO, DOMINGO OIL FILTER WRENCH

SUBARU 金福相 , 金美滿 , 多猛哥機油芯扳手

- 14 points, 66.5 mm.
- Application: SUBARU ESTRATTO, TUTTO, DOMINGO
- Easy to use and save time.
- Best choice for maintenance.





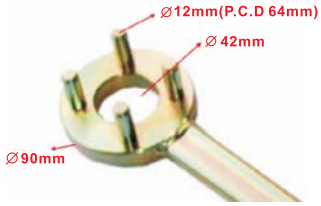


H.C.B-A1149 SUBARU LEGACY 2500 c.c. CRANKSHAFT PULLEY HOLDING TOOL

SUBARU 力獅 2500 c.c. 曲軸皮帶支擋扳手

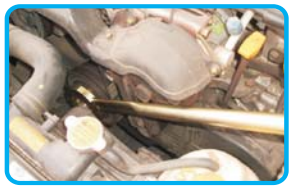
10 / 15.3 / 18 / 1.48'

- This is a specialty tool developed for Legacy (2500 c.c.) sedan and Forester. It helps extract and install the camshaft pulley.
- The user can replace the pulley on the car without removing the radiator. It saves the unnecessary working hours to take the radiator apart. It must be used together with the torque wrench. Please follow the manual of repair and maintenance published by the original producer while installing.
- Dimensions:
  - Pins: 12 mm (P.C.D: 64 mm)
  - External diameter: ø 90 mm
  - Internal diameter: ø 42 mm
- Application: SUBARU LEGACY 2500 c.c.











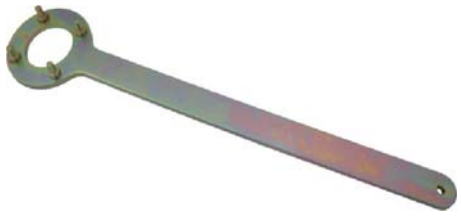


SUBARU legacy 2500 C.C. Crankshaft pulley

H.C.B-A1151 SUBARU IMPREZA 1800 c.c. CRANKSHAFT PULLEY HOLDING TOOL

SUBARU IMPREZA 1800 c.c. 曲軸皮帶盤支擋扳手

- For holding the crankshaft pulley of the IMPREZA 1800 c.c. vehicles.
- Application: SUBARU IMPREZA 1800 c.c.
- **SUBARU OEM no. ref.:** 499977100



H.C.B-A1152 SUBARU LAGACY 2200 c.c. CAMSHAFT PULLEY HOLDING TOOL

SUBARU 力獅 2200 c.c. 凸輪軸皮帶盤支擋扳手

- For holding the camshaft pulley of the Legacy 2200 c.c. vehicles.
- Application: 93-12 Subaru Impreza SOHC Engine
  99-12 Subaru Forester SOHC Engine
  89-12 Subaru Legacy SOHC Engine
  05-06 Saab 9-2X Linear SOHC Engine
  04-06 Subaru Baja with SOHC Engine
  92-97 Subaru SVX
- **SUBARU OEM no. ref.:** 499207100











H.C.B-A1197 SUBARU AVCS INTAKE CAM SPROCKET TOOL

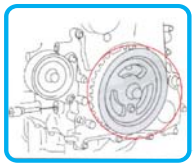
SUBARU 凸輪軸支擋扳手

6 / 21.5 / 22.5 / 2.9'

- Allow to remove the AVCS intake cam sprockets without damaging the cam or the sprocket.
- Perfect tool for cam seal renewal, cylinder head removal, or motor tear downs.
- High precision cut construction fits perfectly.
- Long handle makes it easy for one person.
- Application:
  - 04+ Impreza WRX STI (intake cams only)
  - 06+ Impreza WRX (intake cams only)
  - 04-11 Forester XT (intake cams only)
  - 05-10 Legacy GT (intake cams only)
  - 04-06 Baja Turbo (intake cams only)
  - 06 Saab 9-2X Aero (intake cams only)













H.C.B-B1197 SUBARU FORESTER 2500 c.c. CAMSHAFT PULLEY HOLDER

SUBARU FORESTER 2500 c.c. 支擋扳手

- For fixing timing belt and easy to remove or install it.
- Front end has 3 points which could hold the pulley of Forester.
- Application: Subaru Forester 2500 c.c.







H.C.B-A1202 SUBARU IMPREZA CAMSHAFT PULLEY REMOVER / INSTALLER

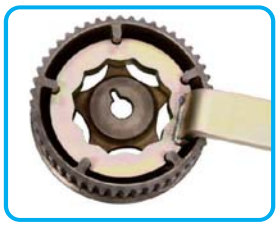
SUBARU IMPREZA 凸輪軸皮帶盤拆裝工具

10 / 12.5 / 14 / 1.4'

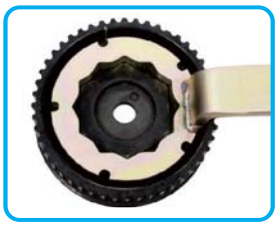


- Plastic and iron pulleys are both available.
- This well-designed tool can prevent the camshaft pulley from rotating to help extract the central fixed screw.
- Warning: Tighten the central screw with the torque 30 Nm and turn for 45°.
- Application: Subaru Impreza GT 1999
  Subaru Impreza 1600 c.c., 1800 c.c., 2000 c.c.
  Subaru Impreza WRX with 2.0 Turbo (2002-2005).
- This tool will NOT fit the 2005 2.0 Turbo with variable cam timing.
- **SUBARU OEM no. ref.:** 499207400











H.C.B-A1285 ON CAR SUBARU IMPREZA REAR AXLE BUSH EXTRACTOR/ INSTALLER

SUBARU IMPREZA 後羊角鐵套拆裝組

5 / 22.7 / 23.7 / 2.02'

- For removing & replacing the metallic bush of rear axle.
- On car maintenance.
- Application: SUBARU IMPREZA



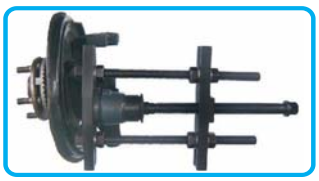




EXTRACTION



Bush



INSTALLATION

H.C.B-A1315 SUBARU 2500 c.c. CAMSHAFT ALIGNMENT TOOL

SUBARU 2500 c.c. 凸輪軸正時工具

30 / 17.64 / 20.2 / 1.31'







- Made from aluminum.
- Camshaft alignment tool for Subaru.
- Only one bar required to do the job.
- Application: SUBARU 2500 c.c. DOHC non-turbo engine. Ex.: IMPREZA, LEGACY, SVX.
- **SUBARU OEM no. ref.:** 499207300.

H.C.B-B1315 SUBARU (2.0L/2.5L) CAMSHAFT ALIGNMENT TOOL

SUBARU (2.0L/2.5L) 凸輪軸正時工具



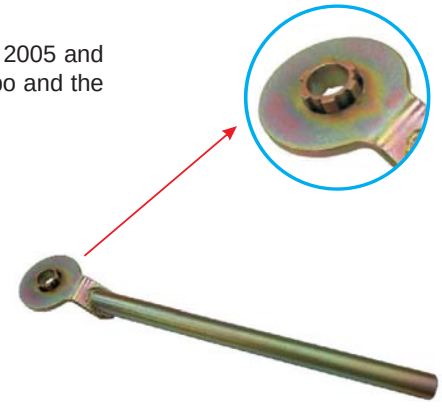


- Made from aluminum.
- Specially designed to align the camshaft timing while replacing the timing belt.
- Only one bar required to do job.
- Application:
  SUBARU 2.5L DOHC non-turbo engines, Impreza, Legacy, SVX.
  STi 2.0L EJ20 (2002-2005)
  STi 2.5L EJ25 (2005-2014)
- **SUBARU OEM no. ref.:** 499207300 (new).

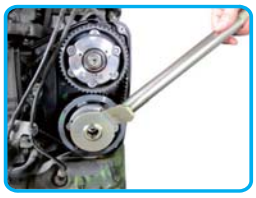
H.C.B-A1400 SUBARU CAMSHAFT SPROCKET HOLDER

SUBARU 凸輪軸鏈輪扳手

- Used to hold the camshaft sprockets on 2005 and newer Subaru models with the 2.5 L turbo and the 3.6 L 6-cylinder engine.
- Diameter: φ 31.7 mm × 28 mm × 7 mm
- Total length of the tool: 475 mm
- Some 2.5 L turbo engine might require H.C.B-A1202 as well.
- **SUBARU OEM no. ref.:** 499977500.







H.C.B-A1459 SUBARU EJ25 CAMSHAFT PULLEY HOLDER

SUBARU EJ25 凸輪軸支擋扳手

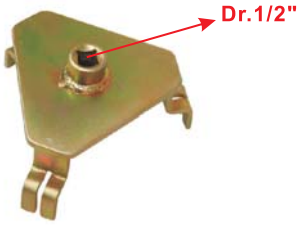
- Special internal two curve design for holding the pulley.
- Application: SUBARU EJ25



H.C.B-A1428 SUBARU PUMP TANK LID WRENCH

SUBARU 汽油幫浦油箱蓋拆裝器

- For removing and installing the lid of pump tank.
- It is easy to remove and install.
- The three legs are special designed for removing or installing the lid of pump tank without damaging it.
- Application: SUBARU LEGACY 2.5 L and OUTBACK 2.5 L after 2010.





H.C.B-A1450 SUBARU CAMLOCK TOOL

SUBARU 凸輪軸固定工具

- Lock the turning LH side cam sprockets when the timing belt is removed.
- Prevent cam sprockets from spinning when belt is removed and avoid any possibility of valve damage.
- Time-saving and labor-saving. Makes timing belt changes faster and easier, and just require one person to do the job.
- Suitable for various SUBARU models. Apply on all Subaru 2.0 L and 2.5 L DOHC turbo engines.
- Strong neodymium magnets. Make the tools stay in place even hit.
- Curved-design plate offers a good view of sprocket timing marks.

Application:

- 02+ Impreza WRX and WRX STI with 2.0 L or 2.5 L DOHC Turbo engines (EJ205, EJ207, EJ255, EJ257)
- Forester XT with DOHC Turbo engines (04-11)
- Legacy GT with DOHC Turbo engines (05-10)
- Saab 9-2X Aero with DOHC Turbo engines (05-06)
- Baja with DOHC Turbo engines (04-06)





magnet

H.C.B-B1450 SUBARU CAMLOCK TOOL

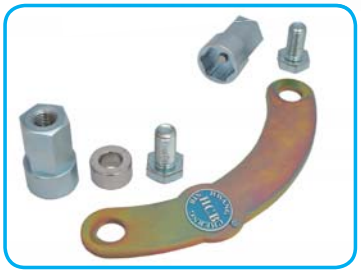
SUBARU 凸輪軸固定工具

- Lock the LH side cam sprockets from turning when the timing belt is removed.
- Prevent cam sprockets from spinning when belt is removed and eliminate potential valve damage.
- Save time! Make timing belt changes faster and easier especially when done with one person.
- Strong neodymium magnets ensure the tool stays in place even if bumped.
- Curved plate allows easy viewing of sprocket timing marks.

Application:

- 96-98 2.5 L DOHC Phase 1 n/a Subaru engines.
- Early turbo EJ Subaru engines.
- Turn In Concepts FU Cam bolts.



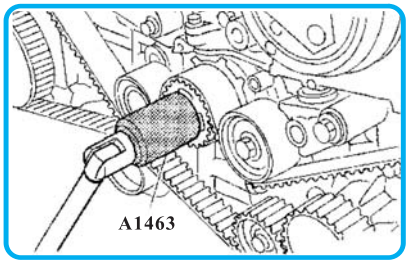


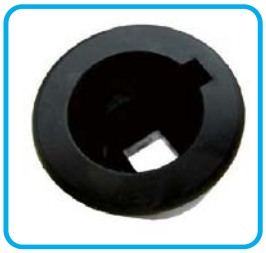
H.C.B-A1463 SUBARU CRANK SOCKET (Dr. 1/2")

SUBARU 曲軸套筒 (Dr. 1/2")



- Crankshaft rotating socket slips on over the crank snout.
- Enable an engine builder to rotate a complete engine with any ½" ratchet or breaker bar.
- Designed to allow easy location of TDC when replacing timing belts or other engine work.
- Eliminate risk of crankshaft snout damage or backwards engine rotation.
- WARNING: Never use an impact wrench with the crank socket to rotate the engine.
- Application:
  - 93-11 Impreza
  - 98-09 Forester
  - 94-09 Legacy
  - 05-06 Saab 9-2X
  - 04-06 Baja
  - 1-96 SVX
- **SUBARU OEM no. ref.:** 499987500

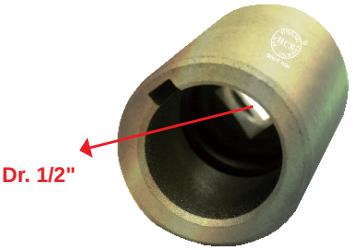




H.C.B-B1463 NEW SUBARU CRANKSHAFT SOCKET (Dr. 1/2")

SUBARU 曲軸套筒 (Dr. 1/2")

- Used to align crank to T.D.C while working with the timing chain. Also work on older 3.0L 6 cylinder DOHC engine.
- Application:
  2013-2017 Subaru BRZ
  2012-2017 Subaru Forester
  2012-2017 Subaru Impreza
  2015-2017 Subaru Impreza WRX
  2013-2015 Subaru Legacy
  2013-2015 Subaru Outback
  2006 Subaru Outback (6-cyl.)
  2013-2017 Subaru-XV Crosstrek
- **SUBARU OEM no. ref.:** 18252AA000



H.C.B-A1854 NEW SUBARU BALL JOINT PULLER

SUBARU 球接頭拉拔器

- This tool can remove the front suspension ball joints quickly, safely, and efficiently without damaging any part.
- 19 mm (3/4") hexagon drive spindle can be turned by wrench or air impact wrench.
- A hexagon on the main body for counter holding purpose while using 2 wrenches.
- Application:
  Subaru Imprezas 1993-2014
  Subaru Foresters 1998-2015
  Subaru Legacys and Outbacks 1994-2014
  Subaru Baja 2003-2006
  Saab 9-2X 2005-2006





H.C.B-A2284 IMPACT BIT SOCKET TORX PLUS (Dr. 1/2", 78 mm (L), 50 IP)

氣動套筒 TORX PLUS (Dr. 1/2", 78 mm (L), 50 IP)



H.C.B-B2284 IMPACT BIT SOCKET TORX PLUS (Dr. 1/2", 78 mm (L), 55 IP)

氣動套筒 TORX PLUS (Dr. 1/2", 78 mm (L), 55 IP)



H.C.B-C2284 IMPACT BIT SOCKET TORX PLUS (Dr. 1/2", 78 mm (L), 60 IP)

氣動套筒 TORX PLUS (Dr. 1/2", 78 mm (L), 60 IP)



H.C.B-A1737 SUBARU A/C COMPRESSOR STRETCH BELT INSTALLER

SUBARU 冷氣壓縮機皮帶安裝器



- This tool allows proper installation and removal of stretch belt without any damage.
- Application: 08-13 years Subaru Impreza, Forester, and Outback with 2.5L engines utilize Stretch Fit belt technology on the A/C compressor drives.



H.C.B-A1745 SUBARU CRANKSHAFT PULLEY HOLDER (4 POINTS)

SUBARU 曲軸皮帶盤支擋扳手 (四點)

- Special front 4 fixing points design for fixing crankshaft pulley and easy removal and installation.
- Application: Foresters 2011~/ WRX2014~/ IMPREZA 1.6 2013~/ IMPREZA XV2.0 2012~/ TRIBECA 3.6 2008~2012



H.C.B-A1746 SUBARU CAMSHAFT PULLEY HOLDER (4 POINTS)

SUBARU 凸輪軸皮帶盤支擋扳手 (四點)

- Special 4 mounting points design for holding the camshaft pulley of SUBARU vehicles.
- Application: Forester 2.0 2005-2011, Impreza 1.6 / 2.0 2005-2008, Legacy 2005-, Lagacy CVT 2010-2013



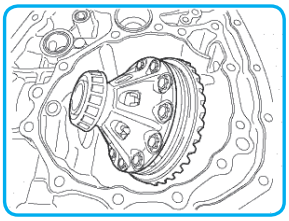
H.C.B-A1920 NEW SUBARU FRONT DIFFERENTIAL OIL SEAL RING REMOVER/ INSTALLER (Dr. 1/2")

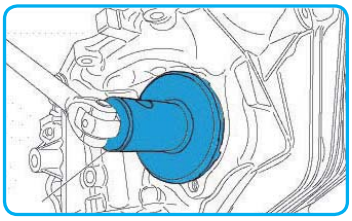
SUBARU 前差速器油封環拆裝器 (Dr. 1/2")

- For remove/install the front differential oil seal ring
- Size: Dr.1/2"
- Application: SUBARU AWD transmission
- **SUBARU OEM no.ref.:** 18658AA020









H.C.B-A1945 NEW SUBARU FUEL INJECTOR SEAL TOOL

SUBARU 燃油噴油嘴油封工具

- Used for replacing the fuel injector Teflon seals on General Motors 2.0L & 3.6L engines with Hitachi fuel injectors [2010-2017] and 2.0L, 2.5L, 5.3L & 6.2L engines with Bosch, Continental and Delphi fuel injectors [2012-2017]. Also used on Subaru [2014-2019] 2.0L/2.4L turbo engines.
- Application:
  GM (2010~2017)
  SUBARU (2014~2019)
- **SUBARU OEM no.ref.:** EN-49245/EN 51105, SUBARU 18683AA000



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Specialty Tools Inc.



SAAB

SAAB REPAIR TOOL

修護工具







H.C.B-A1062 SAAB FUEL TANK LID REMOVER/ INSTALLER

SAAB 油箱蓋拆裝工具 (更換汽油幫浦)

- To remove the fuel tank cup for replacing the pump.
- Application: SAAB.
- N.W.: 0.32 KGS.





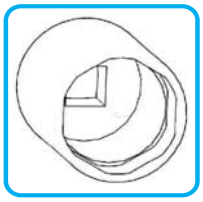
H.C.B-A1063 SAAB SOCKET TOOL FOR PRESSURE SWITCH

SAAB ABS 壓力開關專用套筒

- Socket for Saab ABS pressure switch.
- Application: SAAB.
- N.W.: 0.3 KGS.



Dr. 1/2"





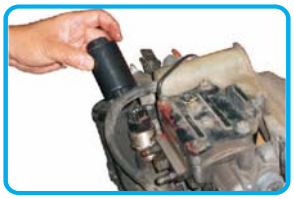
SAAB ABS Pressure Switch

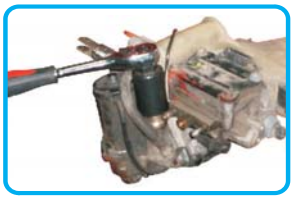


SAAB ABS Pressure Switch



SAAB ABS Pressure Switch





H.C.B-A1312 SAAB CRANKSHAFT REAR OIL SEAL INSTALLER

SAAB 曲軸後油封安裝工具組

- Best tool for replacing crankshaft oil seal.
- Won't damage oil seal and related parts.
- Allow easy and accurate installation of the oil seals which can save time and money.
- Application: SAAB DC 9000 (1994~1996).





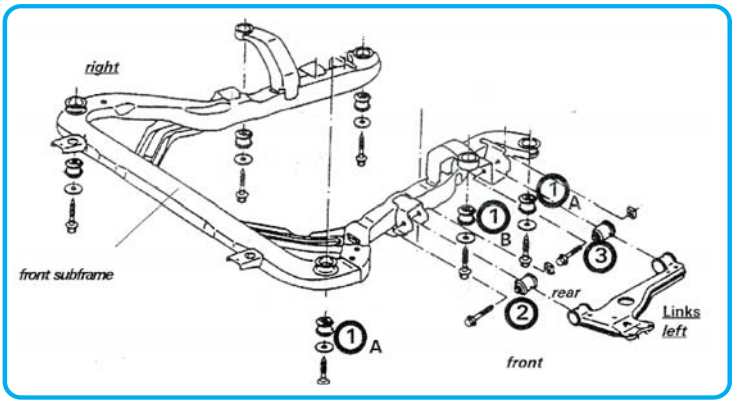


H.C.B-A1346 SAAB SUSPENSION BUSH EXTRACTOR / INSTALLER (SAAB 95)

SAAB 工字樑鐵套拆裝工具組 (SAAB 95)

- To remove and install the front axle damping bushing.
- For replacing the front and rear metallic rear subframe mounting bushes.
- Allow the replacement of the mounting bushes without lowering the complete rear axle assembly.
- Application: SAAB 95.



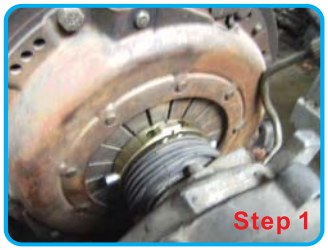


H.C.B-A1367 SAAB (900) CLUTCH PRESSURE PLATE REMOVAL/ INSTALLATION TOOL KIT

SAAB (900) 手排離合器壓板拆裝工具組

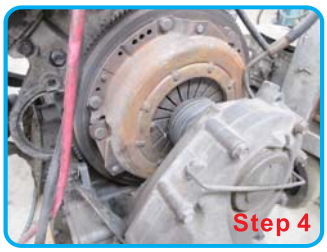
- Application: SAAB 2.0T, 1982-1993.







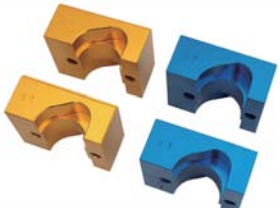




H.C.B-A1711 SAAB CAMSHAFT TIMING TOOL KIT

SAAB 凸輪軸正時工具組

- Camshaft timing gauges for Saab 9-3.
- This kit contains 2 pairs of camshaft timing gauges:
  1.Golden gauges are designed for 2.0 T (B207H) engine and 2.0 Turbo (B207R) engine.
  2.Blue gauges are designed for 2.0 T (B207L) engine.
- Application: Saab 9-3 2002 ~ 2014 with B207H, B207R, B207L engine.





H.C.B-B1711 NEW SAAB (150/ 170 HP) CAMSHAFT TIMING TOOL

SAAB (150/ 170 HP) 凸輪軸正時工具

- Camshaft timing gauges for Saab 9-3 (European Model).
- Application: Saab 9-3 2007 ~ 2009 150HP/ 175HP engine (European models).
- Relative camshaft timing tools:
  Use A1711-G for Saab 9-3 2003 ~ 2006 210HP engine (8th Digit of Vin N or Y) (North American models).
  Use A1711-B for Saab 9-3 2003 ~ 2006 175HP engine (8th Digit of Vin S), and 2.0L 150HP engine (North American models).
  Use C1711 for Saab 9-3 2007 ~ 2009 210HP engine (8th Digit of Vin Y), and 2006 LC3 4.4L engine (North American models).



H.C.B-C1711 NEW SAAB (210 HP) CAMSHAFT TIMING TOOL

SAAB (210 HP) 凸輪軸正時工具

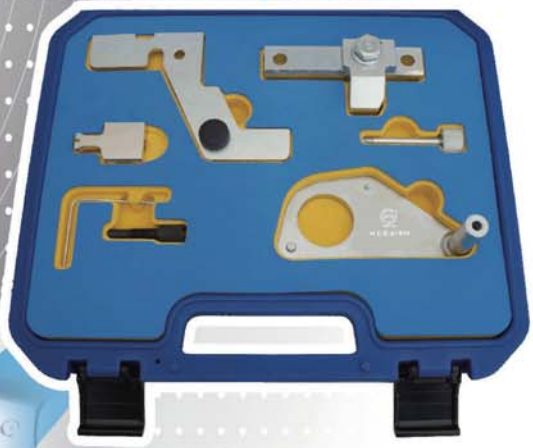
- Camshaft timing gauges for Saab 9-3 (North American models).
- Application: Saab 9-3 2007 ~ 2009 210HP engine (8th Digit of Vin Y), and 2006 LC3 4.4L engine (North American models).
- Relative camshaft timing tools:
  Use A1711-G for Saab 9-3 2003 ~ 2006 210HP engine (8th Digit of Vin N or Y) (North American models).
  Use A1711-B for Saab 9-3 2003 ~ 2006 175HP engine (8th Digit of Vin S), and 2.0L 150HP engine (North American models).
  Use B1711 for Saab 9-3 2007 ~ 2009 150HP/ 175HP engine (European models).



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路虎正時工具

LAND ROVER TIMING TOOL







H.C.B-A1819 New JAGUAR/ LAND ROVER/ FORD TIMING TOOL KIT (2.0 GTDi)

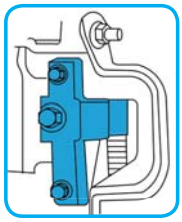
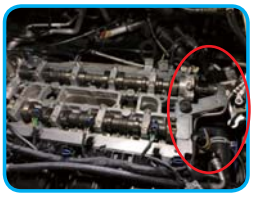
JAGUAR/ LAND ROVER/ FORD 正時工具組 (2.0 GTDi)

- Complete engine timing tool kit for setting the camshaft and crankshaft of Jaguar and Land Rover 2.0 GTDi engine.
- Application:

Make	Model	Type	Years
Jaguar	XE	GTDi	2015~2016
Jaguar	XF	GTDi	2012~2015
Jaguar	XJ	GTDi	2013~2016
Land Rover	Discovery Sport	Si4	2015~2016
Land Rover	Freelander 2	Si4	2012~2015
Land Rover	Range Rover Evoque	Si4	2011~2016

- Engine code 2.0 204PT
- OEM no. ref.: 303-1600, 303-1565, 303-1595, 303-1521, 303-1594, 303-748



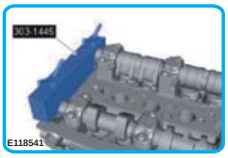




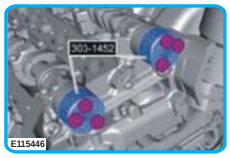
H.C.B-A1484 JAGUAR/ LAND ROVER (V8) 5.0L PETROL TIMING TOOLS

JAGUAR/ LAND ROVER (V8) 5.0L 正時工具

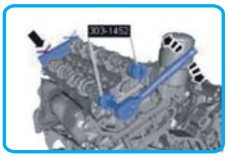
- Timing tool for camshaft alignment, ring gear locking.
- To tension the VVT during the timing procedure.
- A1484-4 allows camshafts to be locked for installation No. 1
- Application:
  Jaguar: XF, XFR, XJ, XK8, XKR
  Land Rover: Discovery 4, Ranger Rover, Range Rover Sport.
- Engine code: Jaguar AJ-113, Land Rover 508PN/508PS

Parts No.	OEM No.	Description
1	303-1445	Camshaft locking tool
2	303-1447	Camshaft locking tool
3	303-1448	Ring gear locking tool
4	303-1452	Camshafts rotating tool
5	303-1482	Timing chain tensioner














H.C.B-A1485 JAGUAR/ LAND ROVER (V8) 4.2/ 4.4L PETROL TIMING TOOLS

JAGUAR/ LAND ROVER (V8) 4.2/ 4.4L 正時工具組

- This Jaguar V8 timing tool kit includes the following:

Parts No.	OEM No.	Description
1	303-530	Camshaft valve setting tool
2	303-532	Timing chain tensioning tool
3	303-645	Crankshaft setting tool

- To lock the camshafts at TDC position.
- To set camshafts at top dead centre.
- Application: LS - Range Rover Sport, LM - New Range Rover, LA - Discovery 3, X350 - XJ, X308 - V8 XJ series, X250 - XF, X200 - S-TYPE, X150 - XK, X100 - XK Series

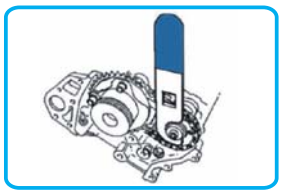


H.C.B-A1405 JAGUAR/ LAND ROVER TIMING TOOL KIT

JAGUAR/ LAND ROVER 正時工具組







- To set camshafts at TDC position for timing.
- This tool can properly align the V8 crankshaft when changing timing chains on S-types.
- Kit contains specialized tools required for timing chain setting and locking on Jaguar and Land Rover 3.2, 3.5, 4.0, 4.2, 4.4 V8 petrol engines.
- Application:

Jaguar:
XJ (97-08) (Engine: AJ26)
S-Type (99-08) (Engine: AJ27)
XF (After 08) (Engine: AJ28)
XK (97-08) (Engine: AJ34)

Land Rover (Engine: AJ34):
New Range Rover (06-09) - LM
Range Rover Sport (05-09) - LS
Discovery III (05-09) - LA

H.C.B-B1405 JAGUAR/ LAND ROVER TIMING TOOL KIT

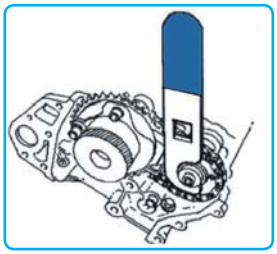
JAGUAR/ LAND ROVER 正時工具組

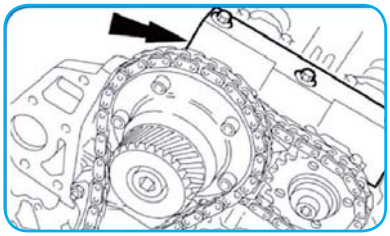


- To set camshafts at TDC position for timing.
- This tool can properly align the V8 crankshaft when changing timing chains on S-types.
- Kit contains specialized tools required for timing chain setting and locking on Jaguar and Land Rover 3.2, 3.5, 4.0, 4.2, 4.4 V8 petrol engines.
- Application:

Jaguar:
XJ (97-08) (Engine: AJ26)
S-Type (99-08) (Engine: AJ27)
XF (After 08) (Engine: AJ28)
XK (97-08) (Engine: AJ34)

Land Rover (Engine: AJ34):
New Range Rover (06-09) - LM
Range Rover Sport (05-09) - LS
Discovery III (05-09) - LA





H.C.B-C1405 JAGUAR / LAND ROVER CRANKSHAFT PULLEY REMOVAL / INSTALLATION TOOL KIT

JAGUAR / LAND ROVER 曲軸皮帶盤拆裝工具組



- Some of these pulley bolts require a torque as high as 375 Nm.
- Crankshaft pulley must be removed for engine overhaul applications / removal of front timing chain cover.
- Combine with H.C.B-A1405
- Suitable for Jaguar and Land Rover 3.2, 3.5, 4.0, 4.2, 4.4 V8 petrol engines.
- Application:

LR3 / Discovery 3 | '05 - '09 | 4.4 LITRE ENGINE ONLY
Range Rover Full Size 4.4 (Jag Engine) | '06 - '09 | JAG V8 ENGINE
Range Rover Full Size 4.2 Supercharged (Jag Engine) | '06 - '09 | JAG V8 ENGINE
Range Rover Sport | '06 - '09
Range Rover Sport Supercharged | '06 - '09

H.C.B-A2219 JAGUAR/ LAND ROVER ENGINE TIMING TOOL KIT

JAGUAR / LAND ROVER 引擎正時工具組

20 / 17.5 / 18.5 / 1.2'



- Setting and locking set for 2.7 diesel belt drive engines, fitted to both Land Rover and Jaguar vehicles.
- Application: Jaguar S-Type TDVi (04-09), Land Rover Discovery / Range Rover Sport TDV6 (04-09)
- **Land Rover OEM no. ref.:** 303-1132, 303-1126, 303-1116, 303-1117

H.C.B-L1001 JAGUAR FLANGE HOLDING TOOL

JAGUAR 支擋扳手



- To hold drive pinion flange whilst removing/replacing pinion nut. To remove/replace the crankshaft damper. To hold flange whilst removing/replacing flange nut. To hold flange to undo pinion nut. To hold driveshaft flange whilst removing/replacing retaining nut. To hold crankshaft pulley whilst removing/replacing crankshaft bolt. To hold pinion flange whilst removing/installing flange retaining nut. To retain extension housing flange during flange nut removal/ replacement. To retain drive flange during pinion nut removal/ installation. To retain output flange during removal/replacement of the retaining nut.
- Application:
  Jaguar: X100 – XK Series, X150 – XK, X150 – XK (10MY), X200 – S-type, X250 – XF (10MY), X300 – XJ Sedan, X308 – V8 XJ Series, X350 – XJ, X351 – XJ (10MY), X400 – X-type
  Section:
  (205) Driveline, (303) Engine, (307) Automatic Transmission
  Component Group:
  4-Cyl Diesel, Driveshaft, Rear, Rear Drive Axle / Differential, Rear Drive Axle/Differential, ZF6HP, ZF6HP28
- **Land Rover OEM no. ref.:** 205-053

H.C.B-L1002 LAND ROVER VISCOUS FAN NUT WRENCH

LAND ROVER 螺帽風扇扳手



- To remove/ replace the viscous fan.
- Section: engine (303).
- Application:
  Land Rover LS – Range Rover Sport, LM – New Range Rover, LD – Defender 07 MY, LA – Discovery 3 equipped with V6 / V8 Petrol Engine.
- **Land Rover OEM no. ref.:** 303-1142.

H.C.B-L1003 LAND ROVER HIGH/LOW SELECTION LOCKING TOOL

LAND ROVER 高低壓固定選擇器



- To set the transfer case high/low range selector lever in high range.
- Application: Land Rover LD – Defender 07 MY
  Section: Manual Transmission, Clutch and Transfer Case (308)
  Component: MT82, LT230QRS
- **Land Rover OEM no. ref.:** 308-711

H.C.B-L1004 FORD DURATORQ LOCKING TOOL

FORD DURATORQ 固定工具

- For fuel injection pump sprocket.
- Application: Ford Mondeo / 2001(10/2000-02/2007), Transit / 2000.5 (01/2000-05/2006), Transit / 2006.5 (After 4/2006)
- Applicable Engine:
  2.0L Duratorq-DI (Puma) Diesel, 2.0L Duratorq-TDCi (Puma) Diesel, 2.0L Duratorq-TDDi (Puma) Diesel, 2.2L Duratorq-TDCi (Puma) Diesel, 2.4L Duratorq-DI (Puma) Diesel, 2.4L Duratorq-TDCi (Puma) Diesel, 2.4L Duratorq-TDDi (Puma) Diesel, 3.2L Duratorq TDCI (Puma) Diesel
- **OEM no. ref.:** 303-1151



H.C.B-L1014 FORD CRANKSHAFT FRONT OIL SEAL REMOVEAL/ INSTALLATION TOOL

FORD 曲軸前油封拆裝工具

- For replacing crankshaft front oil seal.
- Application:
  Ford Mondeo / 2001 (10/2000-02/2007), Transit / 2000.5 (01/2000-05/2006), Transit / 2006.5 (After 04/2006)
- Applicable Engine:
  2.0 L Duratorq-DI (Puma) Diesel Engine,
  2.0 L Duratorq-TDCi (Puma) Diesel Engine,
  2.0 L Duratorq-TDDi (Puma) Diesel Engine,
  2.2 L Duratorq-TDCi (Puma) Diesel Engine,
  2.3 L Duratec-HE (MI4) Petrol Engine,
  2.4 L Duratorq-DI (Puma) Diesel Engine,
  2.4 L Duratorq-TDCi (Puma) Diesel Engine,
  2.4 L Duratorq-TDDi (Puma) Diesel Engine,
  3.2 L Duratorq TDCI (Puma) Diesel Engine.
- **Land Rover OEM no. ref.:** 303-679A.



H.C.B-L1016 LAND ROVER CRANKSHAFT FRONT OIL SEAL REMOVER/ INSTALLER

LAND ROVER 曲軸前油封拆裝器

- Tool for removing/ installing the crankshaft front oil seal.
- Application: 5.0-Liter DFI V8 Engine
- **Land Rover OEM no. ref.:** 303-1434

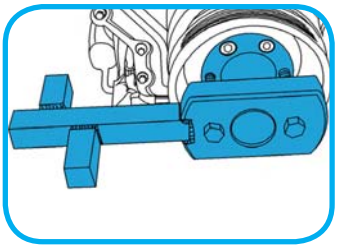


H.C.B-L1017 JAGUAR/ LAND ROVER CRANKSHAFT HOLDING TOOL

JAGUAR/ LAND ROVER 曲軸固定工具

- This tool is to hold the crankshaft pulley while installing or removing the crankshaft bolt.
- Application:
  2014 - 2016 Jaguar F-Type,
  2016 - 2016 Jaguar XE,
  2010 - 2016 Jaguar XF,
  2010 - 2016 Jaguar XJ,
  2010 - 2015 Jaguar XK,
  2010 - 2016 Land Rover LR4,
  2010 - 2016 Land Rover Range Rover,
  2010 - 2016 Land Rover Range Rover Sport
- **Land Rover OEM no. ref.:** 303-1437



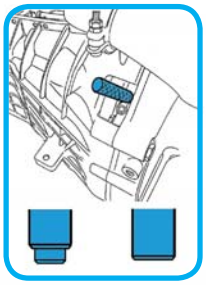


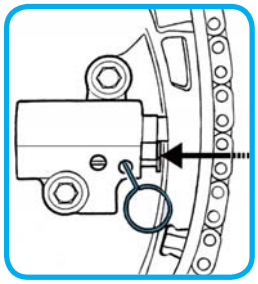
H.C.B-L1015 LAND ROVER/ FORD 2.0/ 2.4 TDCi TIMING TOOL KIT

LAND ROVER/ FORD 2.0/ 2.4 TDCi 正時工具組



- Engine timing tool kit for positioning valve to timing position and also for pump removal.
- Application:
  Ford Fiesta V (‘04-’08)
  Ford Fiesta VI (‘08-)
  Ford Focus (‘04-)
  Ford Focus C Max (‘03-)
  Focus C Max Grand (‘10-)
  Ford Fusion (‘02-)
- Engine Codes:
  1.4TDCI - F6JA, F6JB, F6JC, F6JD
  1.6TDCI - G8DA, G8DB, G8DD, G8DE, G8DF, GPDA, GPDC, HHDA, HHDB, HHJA, HHJB, HHJC, HHJD, HHJE, HHJF, MTDA, TZJA, TZJB, T1BA, T1BB, T1BC, T1DA, T1DB, T3DA, T3DB, UBJA
  2.0DI - ABFA, D3FA, F3FA
  2.0TDCI - FMBA/B, FIFA, HJBA/B/C/E, N7BA/B, SDBA
  2.0TDDI - D5BA, D6BA
  2.2TDCI - QJBA
  2.4DDI - D0FA, D2FA/B, D4FA, F4FA, FXFA
  2.4TDCI - H9FA/B/D, JXFA/C, PHFA/C





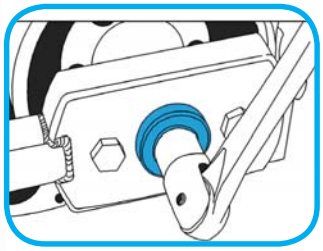
Ref.	Part. no.	Description	OEM no.ref.	Q’ty
1		Locking Pin 14 mm		1
2		Locking Pin 14 mm		1
3		Locking Pin 6 mm		3
4		Chain tensioner locking pin 1.9 mm		1
5	L1004	Pump alignment tool	303-1151	1
6		Locking Pin 9 mm		3
7	L1014	Fuel pump cover remover	303-679A	1

H.C.B-L1018 JAGUAR/ LAND ROVER CRANKSHAFT BOLT SOCKET (LONG)

JAGUAR/ LAND ROVER 曲軸螺絲套筒 (長型)

- Dr. 3/4" Socket for crankshaft front pulley bolt.
- Application: JAGUAR and LAND ROVER models with 5.0L V8 or 3.0L V6 engine.
  2010 – 2015 JAGUAR XK
  2010 – 2016 JAGUAR XF
  2010 – 2016 JAGUAR XI
  2010 – 2016 LAND ROVER LR4
  2010 – 2016 LAND ROVER RANGE ROVER
  2010 – 2016 LAND ROVER RANGE ROVER SPORT
  2014 – 2016 JAGUAR F-TYPE
  2016 – 2016 JAGUAR XE
- **Land Rover OEM no. ref.:** 303-1438





H.C.B-L1019 JAGUAR/ LAND ROVER EXHAUST GAS TEMPERATURE SENSOR SOCKET

JAGUAR/ LAND ROVER 排氣溫度感應器套筒

- Modern Jaguar & Land Rover diesel engines are equipped with exhaust particulate filtration systems (DPF). Engine control system needs the exhaust temperature to perform correctly. As a result, gas temperature sensor is very important in this system.
- Socket for removing/ installing the exhaust gas temperature sensor.
- Application: Range Rover L322 - 2011-2012, Range Rover L405 - 2013-2017, Range Rover Sport L494 - 2014-2017
- **Land Rover OEM no. ref.:** 303-1573



H.C.B-L1005 JAGUAR/ LAND ROVER CRANKSHAFT REAR SEAL REMOVEAL/ INSTALLATION TOOL KIT

JAGUAR/ LAND ROVER 曲軸後油封拆裝工具組

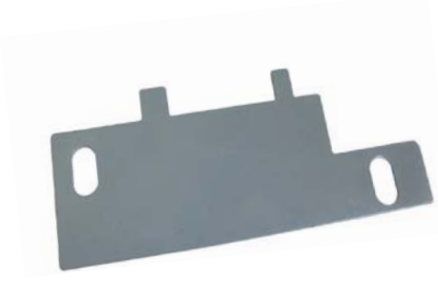
- To remove/ install the crankshaft rear oil seal, use the punch to remove the transfer case connecting sleeve seal. Use the punch and self tapping screw to allow fitment of 308-615. Use the punch and self tapping screw and pliers to remove the input shaft seal. Use the punch to make hole in countershaft seal. Remove and fit crankshaft rear oil seal.
- Application:
  Land Rover: LS - Range Rover Sport, LM – New Range Rover, LF – Freelander 2, LD – Defender 07 MY, LA – Discovery 3
  Jaguar: X350 – XJ, X308 – V8 XJ Series, X250 – XF, X200 – S-type, X150 – XK, X100 – XK Series
  Section: engine (303), Manual Transmission, Clutch and Transfer Case (308), Driveline (205).
  Component: V8 Petrol, Transfer Case, Rear Drive Axle / Differential, 2.2L Duratorq TDCI Diesel (DW), M66 EH50 6 Speed Getrag, MT82.
- **Land Rover OEM no. ref.:** 303-538.



H.C.B-L1006 JAGUAR/ LAND ROVER ALIGNER

JAGUAR/ LAND ROVER 校準工具

- Allow the oil pump to be removed and refitted in same position to align Pump.
- Application: Land Rover LD – Defender 07MY and Jaguar X400 – X-type.
- Applicable engine: 2.4 L 4-Cylinder Diesel Engine.
- Section: Engine (303).
- **Land Rover OEM no. ref.:** 303-1093.



H.C.B-L1007 FORD INSTALLER

FORD 安裝工具

- For installing rear wheel hub bearing cone/seal.
- Application:
  Ford Cougar / 1999 (08/1998-01/2001), Escort/Orion / 1991 (08/1990-09/2001), Fiesta / 1996 (08/1995-02/2002), Galaxy / 1995 (02/1995-03/2000), Galaxy / 2000.75 (04/2000-02/2006), Ka / 1997 (09/1996-07/2008), Mondeo / 1993 (01/1993-07/1996), Mondeo / 1997 (08/1996-09/2000), Mondeo / 2001 (10/2000-02/2007), Puma / 1998 (06/1997-12/2001), Ranger / 1999 (02/1999-07/2002), Ranger / 2003 (08/2002-08/2006), Streetka / 2003.5 (01/2003-07/2005)
- **Ford OEM no. ref.:** 205-101.



H.C.B-L1008 LAND ROVER FUEL TANK LOCK RING WRENCH

LAND ROVER 汽油浮筒拆裝器

- To remove/ replace fuel pump/ module locking ring.
- Application:
  Land Rover LT - Discovery 2, LP - Range Rover, LN - Freelander, LM - New Range Rover, LJ - Discovery series 1, LD - Defender 07MY.
- Applicable Engine:
  Land Rover V8 Petrol Engine, TD5 Diesel Engine, V6 Petrol Engine, TD4 Diesel Engine, 4-Cyl Petrol Engine, TD6 Diesel Engine, 2.4 L Diesel Engine.
- Section: Fuel system (310).
- **Land Rover OEM no. ref.:** 310-118.



H.C.B-L1009 LAND ROVER FORCING SCREW AND BOLTS

LAND ROVER 加壓螺絲與螺母

- Used with 303-1049 to release the fuel injection pump.
- Application: Land Rover LD - Defender 07MY equipped with 2.4 L Diesel Engine
- Section: Fuel system (310).
- **Land Rover OEM no. ref.:** 303-1333



H.C.B-L1010 LAND ROVER CRANKSHAFT LOCKING TOOL

LAND ROVER 曲軸固定工具

- To lock the crankshaft in position.
- Application:
  Land Rover LF – Free lander 2 equipped with 3.2 L petrol engine
- Section: Engine (303)
- **Land Rover OEM no. ref.:** 303-1219



H.C.B-L1011 JAGUAR/ LAND ROVER CLUTCH ALIGNMENT TOOL

JAGUAR/ LAND ROVER 離合器校正工具



- To align clutch disc and pressure plate on installation.
- Application:
  Land Rover LD - Defender 07MY and Jaguar X200 - S-TYPE equipped with 2.4 L diesel engine
- **Land Rover OEM no. ref.:** 308-419

H.C.B-L1012 JAGUAR/LAND ROVER ALIGNER

JAGUAR/ LAND ROVER 校正工具



- To align clutch disc and pressure plate on installation.
- Application:
  Land Rover LD - Defender 07MY and Jaguar X200 – S-type equipped with 2.4 L diesel engine
- **Land Rover OEM no. ref.:** 303-682

H.C.B-L1013 LAND ROVER DAMPER REMOVER

LAND ROVER 阻尼拆卸器

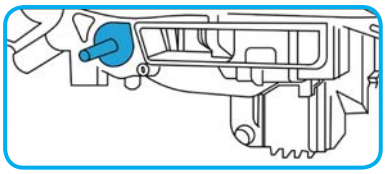


- Used to release the fuel injection pump.
- Used to remove the crankshaft damper/ pulley.
- Application:
  Land Rover LD - Defender 07MY, LA - Discovery 3 equipped with V6 petrol engine.
- **Land Rover OEM no. ref.:** 303-1149

H.C.B-L1020 NEW JAGUAR/ LAND ROVER FUEL PUMP CAMSHAFT FIXING TOOL

JAGUAR/ LAND ROVER 燃油泵凸輪軸固定器

- Designed to align the fuel pump camshaft on all new Range Rover vehicles with V6 & V8 engines.
- **Application:**
  Jaguar: 2012 to Current
  Range Rover: 2012 to Current
- **OEM no. ref.:** JLR-303-1621



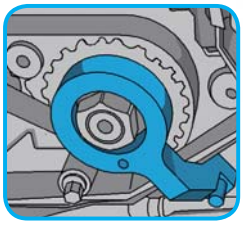


H.C.B-L1021 NEW JAGUAR/ LAND ROVER DIESEL FUEL PUMP LOCKING TOOL

JAGUAR/ LAND ROVER 柴油幫浦支擋工具

- Diesel fuel pump locking tool for Jaguar/ Land Rover 3.0 L TD V6 Engine.
- Used to lock the high pressure fuel pump in its timed position when changing the high pressure pump drive belt.
- Also use in conjunction with H.C.B-A2219
- Application: Jaguar XF & XJ, Land Rover Discovery 4, Range Rover & Range Rover Sports 2009-2014
- **Jaguar/ Land Rover OEM no. ref.:** 310-212

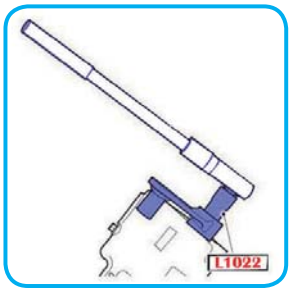




H.C.B-L1022 NEW LAND ROVER REAR DIFFERENTIAL PINION FLANGE HOLDER

LAND ROVER 後差速器傳動軸凸緣盤支擋器

- Used to hold the pinion flange for the removal/ installation of the securing nut.
- Application: Land Rover LR2 Vehicles
- **Land Rover OEM no. ref.:** 205-984

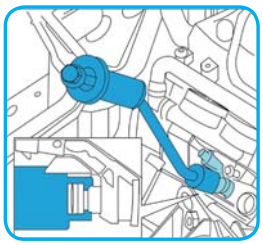




H.C.B-A1713 JAGUAR/ LAND ROVER FUEL INJECTOR REMOVER

JAGUAR/ LAND ROVER 噴油嘴拔卸器

- This tool is designed for removing the fuel injector.
- Application:
  Jaguar: X150-XK series/X250-XF/X351-XJ
  Land Rover: Discovery 4/New Ranger Rover/ Ranger Rover Sport
- **Jaguar OEM no. ref.:** 310-197





H.C.B-B1713 NEW JAGUAR/ LAND ROVER FUEL INJECTOR REMOVER/ INSTALLER

JAGUAR/ LAND ROVER 噴油嘴拆裝工具組

- This tool is designed for removing /installing the fuel injector.
- Application :
  Jaguar: X150-XK series/X250-XF/X351-XJ
  Land Rover: Discovery 4/New Ranger Rover/Ranger Rover Sport
- **JLR OEM no. ref.:** 310-197/310-198/310-199



H.C.B-A1645 LAND ROVER/ JAGUAR OIL FILTER WRENCH (Dr. 3/8", 90 mm x 15 FLUTES)

LAND ROVER/ JAGUAR 機油芯扳手 (Dr. 3/8", 90 mm x 15 角)

- Size: 90mm × 15 Flutes × Dr. 3/8"
- Application:

Jaguar:
2010 and Newer 5.0L V8 Engines in the XJ, XJL, XK, XKR, XF, XFR and XKR.

Land Rover:
2010 and Newer 5.0L V8 Engines in the LR4, Ranger Rover and Range Rover Sport.





H.C.B-G1168 LAND ROVER V8 (4000 c.c.) BALL JOINT REMOVAL/ INSTALLATION TOOL KIT PAT M. 333280

LAND ROVER V8 (4000 c.c.) 球接頭拆裝工具組

- The C-clamp is forged, its material is SCM440 and hardness is HRC 38°- 42°
- Specially designed to remove & install the ball joint without removing any parts.
- Application: LAND ROVER V8 (4000 c.c.)









H.C.B-L2288 NEW LAND ROVER WHEEL LOCK SCREW SOCKET KIT (10 PCS)

LAND ROVER 防盜螺絲套筒組 (10 PCS)

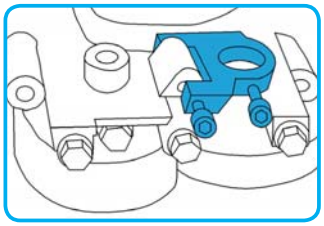
- Sizes: 3420A/ 3420B/ 3420C/ 3420D/ 3420E/ 3420F/ 3420G/ 3420H/ 3420I/ 3420J
- Material: SCM440 chrome plated



H.C.B-A1857 NEW FORD / JAGUAR / LAND ROVER BALANCE SHAFT LOCKING TOOL KIT

FORD/ JAGUAR/ LAND ROVER 平衡軸固定工具組

- Tool kit for locking and adjusting the balance shaft in Citroen, Ford, Jaguar, Land Rover, Peugeot, and Range Rover with belt driven DOHC 2.2L diesel engine.
- OEM no. ref.: 303-1328/ 303-1329/ 303-1330





H.C.B-L1025 NEW JAGUAR / LAND ROVER CRANKSHAFT REAR SEAL INSTALLATION TOOL (2.2 DIESEL)

JAGUAR / LAND ROVER 曲軸後油封安裝工具 (2.2 柴油)

- Designed to allow the rear (flywheel end) crankshaft oil seal fitted to Jaguar and Land Rover 2.2 Diesel engines to be installed without damage. The tool allows the rear oil seal to be pulled in to place in a controlled manner significantly reducing the chances of damaging the seal's sealing lip.
- Keep threaded components clean and well lubricated with clean engine oil when in use.
- Applications: Jaguar XF, Land Rover Freelander 2, Range Rover Evoque.
- Engine: 2.2Lt Diesel (224DT).
- **JLR OEM no.ref.:**303-1271



H.C.B-L1026 NEW JAGUAR / LAND ROVER CRANKSHAFT TRIGGER WHEEL INSTALLER

JAGUAR / LAND ROVER 曲軸感應齒輪安裝工具

- Land Rover Application: Designed for install the crankshaft position Sensor Ring on Discovery 3 and 4, Range Rover Sport when fitted with TDV6 engine (3 Powertrain)
- Jaguar Applications: Designed for install the Trigger Wheel to the rear crankshaft on X200 S Type, X250 XF, X350 XJ and X351 XJ (300 powertrain)
- Overall dimension: 125mm
- Specifically requested to repair sensor wheel dropping off or cracking
- **JLR OEM no.ref.:** 303-1130



H.C.B-L1023 NEW JAGUAR/LAND ROVER DIESEL ENGINE TIMING TOOL KIT (V8 3.6L)

JAGUAR/LAND ROVER 柴油引擎正時工具組 (V8 3.6L)

- Designed for lock the camshaft and crankshaft in their timed position when performing engine rebuild or changing the cam chain.
- Application:
  Models: Range Rover TDV8 (2006-11) / Range Rover Sport TDV8 (2006-11) Engines: 3.6 V8 TDV8
- **JLR OEM no.ref.:** 303-1236 / 303-1243 / 303-1239 / 303-1238



H.C.B-L1024 NEW JAGUAR / LAND ROVER CRANKSHAFT DAMPER REMOVER/INSTALLATION TOOL KIT (V6 3.0L / V8 5.0L)

JAGUAR / LAND ROVER 曲軸阻尼器拆裝工具組 (V6 3.0L / V8 5.0L)

- Used for the removal and installation of the crankshaft damper and Belt on the JLR 5.0 V8.
- Application:
  Models: XK / XF / XJ
  Engines: 3.0 V6 / 5.0 V8
- **JLR OEM no.ref.:** 303-1437 / 303-1438 / 303-1439 / 303-1440 / 303-1441 / 303-1433 / 303-1434 / 303-1303 /303-1304 / 303-1449-01 / 303-1449-02 / 310-200-01.



H.C.B-L1027 NEW JAGUAR/LAND ROVER FUEL RAIL INSTALLATION ALIGNMENT PINS

JAGUAR/LAND ROVER 燃油軌道安裝正時插銷

- The fuel rail needs to be installed in the correct position.
- The tolerance ring normally used on the injectors has been removed due to space limitations making it essential that guide pins are used.
- Application: Ford Motorcraft / Rotunda/Land Rover/JAGUAR
- **JLR OEM no.ref.:** 310-200-01



H.C.B-L1028 NEW JAGUAR/LAND ROVER SUPERCHARGER GUIDE PINS

JAGUAR/LAND ROVER 增壓器定位銷

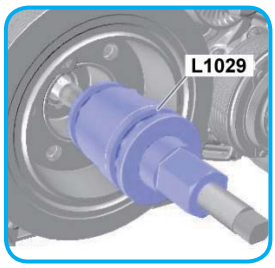
- A steel tool used to guide the supercharger on installation
- -01 (threaded)/-02 (threaded)
- Application: Jaguar/Land Rover
- **JLR OEM no.ref.:** 303-1449-01/303-1449-02



H.C.B-L1029 NEW JAGUAR/LAND ROVER CRANKSHAFT DAMPER REMOVER

JAGUAR/LAND ROVER 曲軸阻尼拆卸器

- To remove/install the crankshaft pulley.
- **JLR OEM no.ref.:**
  303-1439/303-1439-1/ 303-1440/303-1441

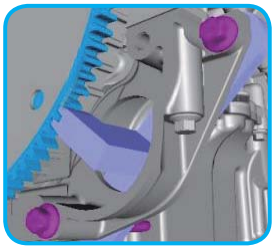




H.C.B-L1030 NEW JAGUAR/LAND ROVER FLYWHEEL TIMING TOOL

JAGUAR/LAND ROVER 飛輪正時工具

- A steel tool used on the timing tool crankshaft to time the flywheel.
- **JLR OEM no.ref.:**303-1303/303-1304

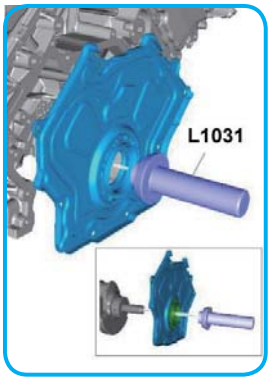




H.C.B-L1031 NEW JAGUAR/LAND ROVER FRONT CRANKSHAFT SEAL ALIGNER

JAGUAR/LAND ROVER 前曲軸油封校正器

- To align the lower timing cover.
- Application: Land rover 5.0L
- **JLR OEM no.ref.:** 303-1433



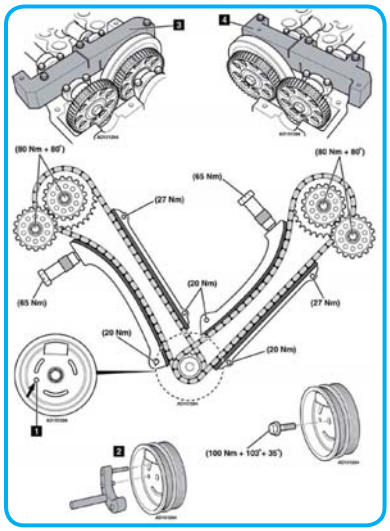


H.C.B-L1032 NEW JAGUAR/LAND ROVER DIESEL ENGINE TIMING TOOL KIT (TDV8 4.4L)

JAGUAR/LAND ROVER 柴油引擎正時工具組 (TDV8 4.4L)

- Designed for lock the camshaft and crankshaft in their timed position when performing engine rebuild or changing the cam chain.
- Application:
  Range Rover L322 (2010-2013),Land Rover 448DT
- **JLR OEM no.ref.:** 303-1568A/310-247/303-1571/ 310-248/310-246.





H.C.B-A1744 JAGUAR ABS ROTOR NUT SOCKET

JAGUAR ABS 感應盤螺帽套筒

- Allow easy removal of the ABS nut on the spindle to remove the brake rotor.
- Size: Dr. 3/4”
- Application: 1998 - 2003 XJ8 & 1997 - 2006 XK8 Jaguar X100/XK 1996 - Current/ X308/ V8 XJ 1997 - 2003
- **Jaguar OEM no. ref.:** 206-066A





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HWANG CHERNG BIN
Specialty Tools Inc.

保時捷修護工具

PORSCHE REPAIR TOOL







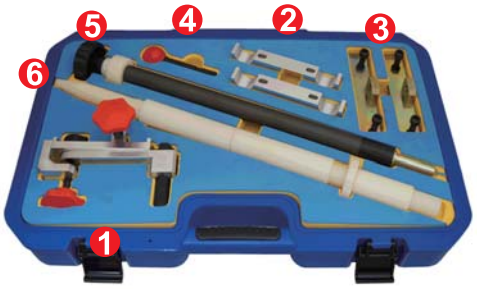




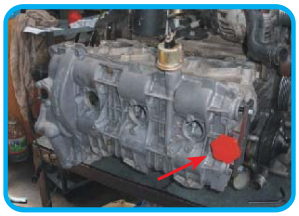
H.C.B-C1207 PORSCHE CAMSHAFT ALIGNMENT TOOL KIT

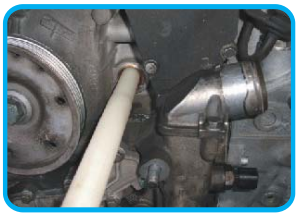
保時捷正時工具組

4 / 21.7 / 22.9 / 3.28'



- Application:
  Porsche Boxster (2500 c.c., 1998),
  Boxster (2700 c.c., 2000),
  Boxster (3200 c.c., 2000),
  911 Carrera 4S (3600 c.c., 2002),
  996 (3400 c.c., 2002)
- **OEM no. ref.:** 9595, 9612, 9611, 9634, 9608, 9602



H.C.B-B1207 PORSCHE CAMSHAFT ALIGNMENT TOOL KIT

保時捷正時工具組

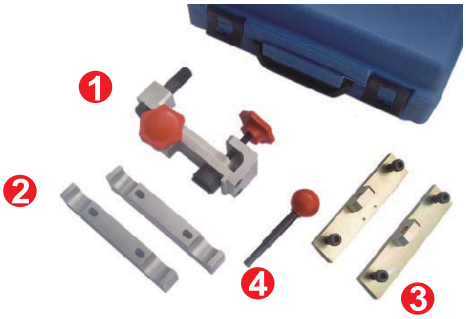
10 / 17.8 / 19.3 / 1.6'



H.C.B-A1207 PORSCHE CAMSHAFT ALIGNMENT TOOL KIT

保時捷正時工具組

- Application:
  Porsche Boxster (2500 c.c., 1998),
  Boxster (2700 c.c., 2000),
  Boxster (3200 c.c., 2000),
  911 Carrera 4S (3600 c.c., 2002),
  996 (3400 c.c., 2002)



H.C.B-D1207 PORSCHE TIMING TOOL KIT (FOR 997)

保時捷正時工具組 (997 專用)

5 / 6.9 / 9 / 1.59'



- This tool kit should be used with H.C.B-C1207.
- Consists of :

Part No.	Description
1	Lock camshaft at Top-Dead-Center so that the cams can be accurately aligned.
2	Used to align crankshaft at Top-Dead-Center
3	Camshaft alignment gauge.
4	TDC locating pin


H.C.B-D1207-1


H.C.B-D1207-3


H.C.B-D1207-4

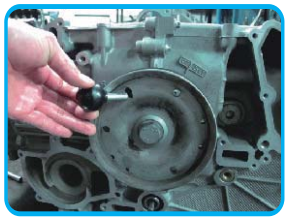
H.C.B-F1207 PORSCHE CAYENNE CAMSHAFT ALIGNMENT TOOL KIT (TURBO / TURBOS)

保時捷凱宴凸輪軸正時工具組 (渦輪 / 雙渦輪)

- A kit has two fixtures necessary to set camshaft timing on Porsche Cayenne equipped with the M97/01 V8 engine.
- This tool kit is necessary to establish TDC timing whenever the cam timing is disturbed for servicing of the cams, cylinder-head, timing chain or variable valve-timing cam phasers.
- Application: 2002 – 2008 Porsche Cayenne with V8 (NA or turbo) engine.



Code no.	ITEM NO.	Description	OEM No.	Application:
2	E1207-2	Camshaft Gauges	9678	Cayenne
5	D1207-2	Used to align crankshaft at Top-Dead-Center	9595/1	
6	D1207-4	Used to align crankshaft at Top-Dead-Center		



H.C.B-G1207 PORSCHE CAYENNE CAMSHAFT ALIGNMENT TOOL KIT

保時捷凱宴凸輪軸正時工具組

- This tool kit is designed to adjust the camshaft timing.
- Used to R & R crankshaft pulley bolt.



ITEM NO.	Description	OEM No.	Application:
1	Camshaft gauges	9678/1	2009 Panamera and later Cayenne DFI V8 (NA and turbo)
2	Camshaft gauges	9678	Cayenne
3	Auxiliary chain tensioner	9683/1	Cayenne after 2008
4	Socket	9714	Cayenne
5	Used to align crankshaft at Top-Dead-Center	9595/1	
6	Used to align crankshaft at Top-Dead-Center		



- Optional: H1207 (G1207 can be used on Panamera if combined with H1207)

H.C.B-G1207-B

PORSCHE CAYENNE/ PANAMERA CAMSHAFT ALIGNMENT TOOL KIT

保時捷凱宴/ PANAMERA 凸輪軸正時工具組

- This tool is designed to adjust the timing of the camshafts
- Used to R & R crankshaft pulley bolt







Code no.	Parts No.	Description	OEM no.ref.:	Application
1	G1207-1	Camshaft gauges	9678/1	2009 Panamera and later Cayenne DFI V8 (normally aspirated and turbo)
2	G1207-2	Camshaft gauges	9678	Cayenne
3	G1207-3	Auxiliary chain tensioner	9683/1	Cayenne after 2008
4	G1207-4	Socket	9714	Cayenne
5	G1207-5	Used to align crankshaft at Top-Dead-Center	9595/1	
6	G1207-6	Used to align crankshaft at Top-Dead-Center		
7	H1207	Porsche panamera auxiliary chain tensioner	9683/1	

H.C.B-A1686

PORSCHE CAYENNE/ PANAMERA CAMSHAFT ALIGNMENT TOOL KIT

保時捷凱宴/ PANAMERA 凸輪軸正時工具組

- Application:
  Porsche Cayenne 4.8 / 4.8 Turbo (M48 engine, M48 / M52);
  Porsche Cayenne 4.5 / 4.5 Turbo (engine M48 / 00, M48 / 50, M48 / 50S);
  Porsche Panamera 3.6 (M46 / 40);
  Porsche Panamera 3.0 (CGEA).



Code no.	Parts No.	Description	OEM no.ref.:	Application
1	G1207-1	Camshaft Gauges	9678/1	2009 Panamera and later Cayenne DFI V8 (normally aspirated and turbo) (Used for an engine capacity of 3.6 l / 4.8 l)
2	G1207-2	Camshaft Gauges	9678	Cayenne
3	G1207-3	Auxiliary Chain Tensioner	9683/1	Cayenne after 2008 (Used for an engine capacity of 3.6 l / 4.8 l)
4	G1207-4	Socket	9714	Cayenne
5	G1207-5	Used To Align Crankshaft At Top-Dead-Center	9595/1	(Used for an engine capacity of 3.6 l / 4.5 l / 4.8 l)
6	G1207-6	Used To Align Crankshaft At Top-Dead-Center		
7	H1207	Porsche Panamera Auxiliary Chain Tensioner	9683/1	M22 xP1.5
8	A1471	VW/Audi Engine Timing Tool Kit (TFSI)	T40133	6-cyl petrol direct injection 2.8 L 4V engine. For Example: Audi A6 2005
9	A1105-6	VW/Audi (2.0, 2.4, 2.8, 3.0, 3.2 FSI) Crankshaft Locking Pin	T40069	2.5L 5-cyl (BGP, BGQ, BPR, BPS, CBTA and CBUA) 3.2L V6 4V (BKH and CALA) 2.0, 2.4, 2.8, 3.0, 3.2 FSI

H.C.B-H1207 PORSCHE PANAMERA AUXILIARY CHAIN TENSIONER

保時捷 PANAMERA 氣壓鏈條張緊器

- Size: M22 × P1.5
- Used to adjust the tension of the chain by using pneumatic power.





H.C.B-I1207 PORSCHE TIMING PIN

保時捷插銷



H.C.B-J1207 PORSCHE AUXILIARY CHAIN TENSIONERS (911/993/964/911 GT3 (996))

保時捷鏈條張緊器 (911/993/964/911 GT3 (996))

- Application: Model 911, 993, 964, 911 GT3 (996).
- Used to adjust the tension of the chain during disassembly, reassembly and timing.
- **OEM no. ref.:** 9401.



H.C.B-K1207 PORSCHE CAM TIMING TOOL (911/993)

保時捷正時工具組 (911/993)

- Used for holding camshafts when setting cam shaft timing.
- These locks set the exact camshaft timing during disassembly and reassembly.
- Application: 911/993.



H.C.B-L1207 PORSCHE CAM SPROCKET HOLDING WRENCH (911)

保時捷凸輪軸支擋扳手 (911)

- For holding and turning the camshaft.
- Application: Model 911 (1980-1994)
- **OEM no. ref.:** 9191



H.C.B-M1207 PORSCHE DIAL IND, HOLDER KIT (911)

保時捷錶組（911）

- For setting engine timing.
- Application: 911

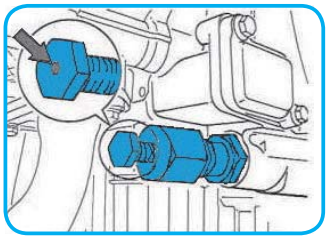


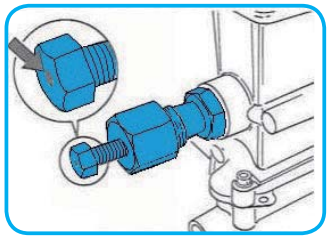
H.C.B-N1207 PORSCHE CAYMANS/BOXTERS (986/ 987) AUXILIARY CHAIN TENSIONER

PORSCHE CAYMANS/BOXTERS (986/ 987) 鍊條張緊器

- Special tool for adjusting engine timing of Porsche (as for some M96 engines)
- Application: Porsche CaymanS/ BoxterS (986, 987) with M96 engine







H.C.B-O1207 NEW PORSCHE CRANKSHAFT PULLEY HOLDING WRENCH (911/ 993)

PORSCHE 曲軸皮帶盤支擋扳手 (911/ 993)

- This wrench is for holding the flywheel while loosening or tightening the central bolt of crankshaft pulley.
- Application: Porsche 911/ 993
- **PORSCHE OEM no. ref.:** 9548



H.C.B-P1207 NEW PORSCHE 911 CYLINDER HEAD TEMPERATURE SENSOR SOCKET (Dr. 3/8", H13)

PORSCHE 911 缸頭溫度感應器套筒 (Dr. 3/8", H13)

- Socket for removing or installing the cylinder head temperature sensor.
- **PORSCHE OEM no. ref.:** 9222/1

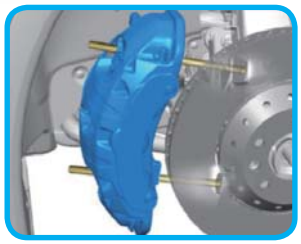


H.C.B-Q1207 NEW PORSCHE/ AUDI BRAKE ASSEMBLY GUIDE PINS

PORSCHE/ AUDI 煞車片定位銷

- 350 mm (13-3/4 inches) long pins for installing front brake pads.
- Application: Audi Q7, Touareg 2010 and up, Porsche Cayenne.
- **VW OEM no. ref.:** T40139





H.C.B-R1207 NEW PORSCHE CAMSHAFT NUT WRENCH (Dr. 1/2", 46 mm, 12 POINTS)

PORSCHE 凸輪軸螺帽扳手 (Dr. 1/2", 46 mm, 12 角)

- For R&R of camshaft nut.
- Application: 911/914
- **PORSCHE OEM No. ref.:** P203



H.C.B-S1207 NEW PORSCHE WHEEL CENTER LOCK NUT SOCKET

PORSCHE 鋼圈中心鎖螺帽套筒

- This tool is designed to remove or install center-lock wheel nuts. A proper torque wrench or torque multiplier tool is necessary.
- Application: Porsche 997 and 991 models.
- **PORSCHE OEM No. ref.:** 99136106900









H.C.B-T1207 NEW PORSCHE BALL JOINT NUT SOCKET (Dr. 1/2", 45 mm)

PORSCHE 球接頭螺帽套筒 (Dr. 1/2", 45 mm)

- Special socket for removal and installation of the lock nut on the front ball joint.
- Application:
  911 Model 1969 - 1989
  912 Model 1969 - 1989
  914 Model 1970 - 1976
  930 Model 1969 - 1989
- **PORSCHE OEM No. ref.:** P112213







H.C.B-U1207 NEW PORSCHE CAMSHAFT HOLDING SOCKET (Dr.1/2")

保時捷凸輪軸支擋套筒 (Dr.1/2")

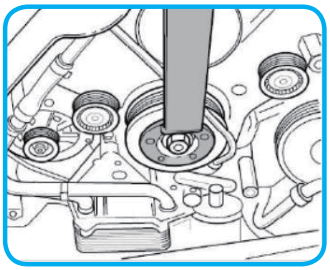
- Special socket wrench for camshaft Porsche 911, 916 like Porsche 00072120200 / 000721202AF
- Special tool Porsche camshaft, is needed to counter the camshaft with simultaneous release with R1207 to use as 000-721-202-00, 000-721-202-AF, 000.721.202.00, 000.721.202.AF, P202
- Application:
  911 / Turbo / RS BJ 1965-1989
  914/916 built 1970-1976
- **PORSCHE OEM no. ref.:** P202



H.C.B-V1207 NEW PORSCHE R & R VIBRATION DAMPER

保時捷 R&R 正時皮帶工具

- Special tool for Used to R & R vibration damper.
- Application: CAYENNE, Panamera S (970) V8-4.8L (2010)
- **PORSCHE OEM No. ref.:** 9679/1





H.C.B-W1207 NEW PORSCHE CRANKSHAFT HOLDING PULLEY (911)

保時捷曲軸支擋扳手 (911)

- Special tool for used to hold crankshaft pulley.
- Application: 911
- **PORSCHE OEM no. ref.:** 9290



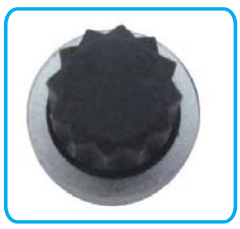
H.C.B-A2103-0516 PORSCHE SOCKET (Spline (XZN) Dr. 1/2", M16 x 55 mm)

保時捷套筒 (Spline (XZN) Dr. 1/2", M16 x 55 mm)

- For removing the manual transmission drain plug and Porsche Cayenne, Audi Q7 and VW Touareg brake caliper bolts.







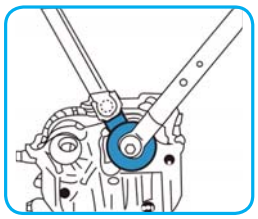
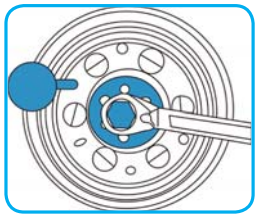


H.C.B-A1621 PORSCHE TIMING TOOL (987/981/997/911)

保時捷 正時工具 (987/981/997/911)

- Used to hold camshafts in timing position during sprocket installation.
- Used to turn the crankshaft when installing or removing the engine.
- Application: PORSCHE 987, 981, 997, 911
- **OEM no. ref.:** 9595/1, 9772, 9773, 9775



H.C.B-A1629 PORSCHE BRAKE CALIPER PAD SCREW SOCKET (Dr. 1/2", 10 POINTS)

保時捷剎車卡鉗螺絲套筒 (Dr. 1/2", 10 角)

- Size: Dr. 1/2", 10 PT × 50 mm (Length).
- Application: For Porsche Cayenne and Audi Q7.






H.C.B-D2288 PORSCHE WHEEL LOCK SCREW SOCKET KIT (20 PCS)

保時捷防盜螺絲套筒組 (20 PCS)

- Material: SCM440 chrome plated.
- ABC-50, ABC-51, ABC-52, ABC-53, ABC-54, ABC-55, ABC-56, ABC-57, ABC-58, ABC-59, ABC-60, ABC-61, ABC-62, ABC-63, ABC-64, ABC-65, ABC-66, ABC-67, ABC-68, ABC-69
- **OEM no. ref.:** T10190




H.C.B-A1585 PORSCHE CAYENNE/ AUDI Q7/ VW TOUAREG/ BMW X5 HUB PULLER (EXTRA LARGER)

保時捷凱宴 / AUDI Q7/ VW TOUAREG/ BMW X5 輪軸拔卸器 (加大型)

- PCD (Pin Centre Diameter) from 109 mm to 160 mm
- Application:

Ø	Brand of car
112	Ford, Audi, Benz, BMW
114.3	Mitsubishi, Mazda, Toyota, Nissan, Honda
120	BMW, Opel
139.7	VW, Ford Transit, Benz
160	Ford Transit, Benz
110	Opel, Saab
118	Ducato, Peugeot, Citroen
120.65	Jaguar, GMC, Maseati, Chevrolet
127	GMC, Rover, USA cars, Jaguar
130	Benz, Audi, Prosche
140	Benz









(Use on BMW X5)

H.C.B-B1585 PORSCHE CAYENNE/ AUDI Q7/ VW TOUAREG/ BMW X5 HUB PULLER (EXTRA LARGER) (P.C.D: 109 ~ 160 mm) (W/HYDRAULIC CYLINDER)

保時捷凱宴 / AUDI Q7/ VW TOUAREG/ BMW X5 輪軸拔卸器 (加大型) (P.C.D: 109 ~ 160 mm) (油壓)





Character:

- Allow the removal of hub with hydraulic cylinder or slide hammer.
- Special designed 17 tons hydraulic cylinder which is hollow with threaded hole can adjust the position depending on the threaded rod.
- An adaptor can attach to the front of the threaded rod which can easily push out the hub.
- Allow the combination with H.C.B-A3036 air pump to save time and labor.
- P.C.D (Pin Centre Diameter) from 109 mm to 160 mm.

Application:

Ø	Brand of Car
112	Ford, Audi, Benz, BMW
114.3	Mitsubishi, Mazda, Toyota, Nissan, Honda
120	BMW, Opel
139.7	VW, Ford Transit, Benz
160	Ford Transit, Benz
110	Opel, Saab
118	Ducati, Peugeot, Citroen
120.65	Jaguar, GMC, Maserati, Chevrolet
127	GMC, Rover, USA cars, Jaguar
130	Benz, Audi, Porsche
140	Benz

Specification:

No.	Description	Dimension	Qty'	Remark
1	Main Body	D: Ø149 × 113 L	1	d: Ø57 × 14 UNC
2	Slide Hammer Front Nut	D: Ø57 × 14 UNC × 36 L	1	d: 5/8" × 10 UNT
3	Slide Hammer	D: Ø100 × 168 L	1	d: Ø22, 10 Kg
4	Slide Hammer Main Body	Ø65 × 688 L	1	D: 5/8" × 10 UNT
5	Fixing Nut	d: 5/8" × 10 UNT	1	H24
6	Hollow Hydraulic Cylinder	17 tons	1	
7	Threaded Rod	D: Ø21 x 335 L	1	M20 x P2.5, H17
8	Pushing adaptor	D: Ø26 x 45 L	1	D: Ø17.4
P3&P4	Adaptor	Dr. 3/8"	1	

H.C.B-A1912 NEW PORSCHE MACAN TIMING TOOL KIT (3.0/ 3.6L)

保時捷正時工具組 (3.0/ 3.6L)

- Designed for align the camshaft timing angle for correct position.
- Designed for changing the timing chain, replacing the cylinder head gasket.
- Application: PORSCHE MACAN 3.0DS/3.0S/3.6 Turbo/ V6TT(2014~)
  Engine codes: MCT.M / MCT.L
- **PORSCHE OEM no.ref. :**9861

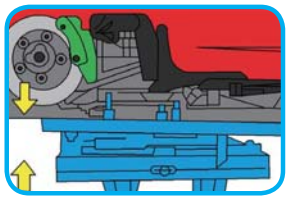


H.C.B-X1207 NEW PORSCHE ENGINE SUPPORTER

PORSCHE 引擎支架

- Used to hold engine/transmission during R & R.
- Use for supporting when removing and installing engine.
- Application: 911 (997)
- **PORSCHE OEM no. ref.:** 9769



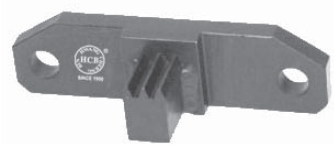




H.C.B-Y1207 NEW PORSCHE FLYWHEEL LOCKING TOOL (944)

PORSCHE 飛輪固定工具 (944)

- Used for holding flywheel when engine is installed.
- Application: 944
- **PORSCHE OEM no. ref. :** 9206



H.C.B-Z1207 NEW PORSCHE FLYWHEEL LOCKING TOOL (968)

PORSCHE 飛輪固定工具 (968)

- Used for holding flywheel when engine is installed.
- Application: 968
- **PORSCHE OEM no. ref. :** 9206/1



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HWANG CHERNG BIN

Specialty Tools Inc.

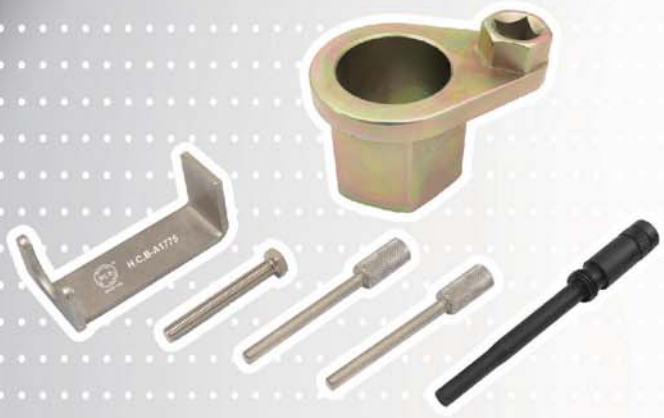


HONDA

修護工具

HONDA REPAIR TOOL



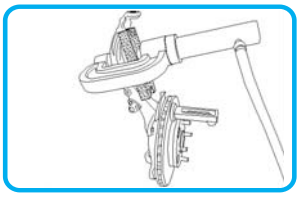


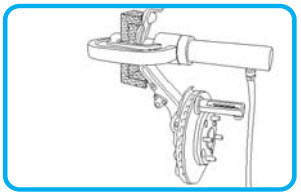
H.C.B-A1052 DOUBLE WISHBONE ALIGNMENT TOOLS (IMPROVEMENT) PAT. 196708

雙 A 臂羊角校正器 (改良型)



- Application:
  All Mercedes-Benz, Mitsubishi Galant, Honda, and vehicles equipped with double wishbone suspension.
- Features:
  With two spacers to adjust the angle.
  On car maintenance without removing double wishbone.
  Won't damage the hub bearing.
  Fixed with C-type strong clamp having 10 tons hydraulic pressure.
  Can be used on both front and rear double wishbone suspensions.
  10 tons two-speed hydraulic pump makes the maintenance easy and accurate.
  This is a time, money, and strength saver.
- The hub bearing is often damaged by using a traditional alignment tool. Such maintenance costs the customers more and also waste time and energy resulted from the heavy and complicated accessories. But all above disadvantages will not happen on A1052, a newly-designed tool.
  It makes more efficient to fix the bent out of shape on the double wishbone suspension system on vehicles. This newly-designed accessory has honorably awarded T.W. PAT., approved by the Patent Office, H.C.B-A1052 is your best choice.



- NOTE:
  It is recommended to use with H.C.B-A2057 simple mercury gauge.

H.C.B-A1052-9 ACCESSORY USE ON MITSUBISHI GALANT ONLY

三菱 GALANT 專用配件



H.C.B-A2112 12 PCS TX-PLUS BITS KIT

12 PCS 5 角星型中空套筒組

- Content:
  A. 9 pcs – 25 mm (L.), temper resistant TX-Plus bits.
  (T10, T15, T20, T25, T27, T30, T40, T45, T50)
  B. 1 pc - 1/4" magnetic bit holder.
  C. 1 pc - ratchet handle.
  D. 1 pc- 1/4” X 100 mm length bit holder.
- For the operation of inside 5-star screws with pin.
- T20 H: Applicable for screws on the MERCEDES-BENZ ATEGO and ACTROS plug-in pump, VW air flow sensor, HONDA idle speed engine adjustment and HONDA CR-V stereo anti-thief screws.
- Hexagon 6.3 mm = 1/4”



H.C.B-A2180 HONDA CR-V REAR TRAILING ARMS NUT SOCKET (Dr. 1/2", 10 POINTS, 20 mm)

HONDA CR-V 後游臂螺帽套筒 (Dr. 1/2", 10 角 , 20 mm)

- For removing and replacing the retaining screws on rear trailing arms.
- Application : HONDA CR-V
- Length: 38 mm





H.C.B-A2030 HONDA, ACURA & CR-V HARMONIC DAMPER PULLEY HOLDER

HONDA, ACURA & CR-V 正時皮帶盤支擋扳手

10 / 18 / 20.5 / 1.82'







HONDA CR-V after year 1999





- For loosening the crankshaft pulley/ harmonic balancer bolt.
- The 50 mm hex. head armature slips can past the narrow space and slide right into the center slot on the pulley.
- Then slide the long bar onto the receiving end of the armature and lock it into position with the securing bolt.
- Length: 653 mm Hex head: 50 mm Hole: ϕ 32 mm

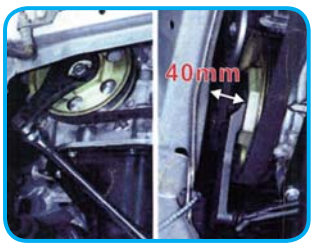
H.C.B-B2030 HONDA, ACURA & CR-V HARMONIC DAMPER PULLEY HOLDER

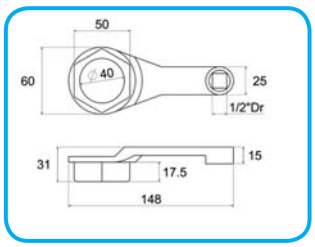
HONDA, ACURA & CR-V 正時皮帶盤支擋扳手

50 / 20.5 / 21.5 / 1.33'

- Application:
  Honda Life D Turbo, Life 5D D, Life F 4WD, Life 5D 4WD, Life D, Life 5D F, Life G 4WD, Life F, Life F TB, Life D TB, Life 5D Minuet 4WD, Life 5D C, Life C, Life G







H.C.B-C2030 HONDA CRANK PULLEY HOLD WRENCH (Dr. 1/2")

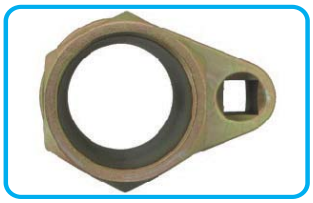
HONDA 曲軸支擋扳手 (Dr. 1/2")

- Crank pulley can NOT be removed, if operate without H.C.B-C2030.

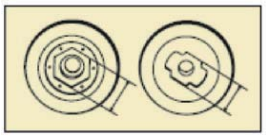
Application:

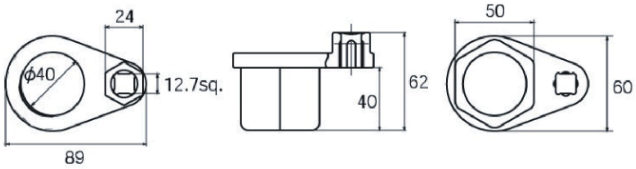
- The crank pulley is a 50 mm 2-faced flat type used in Honda cars.
- Can NOT be used on some NSX models.











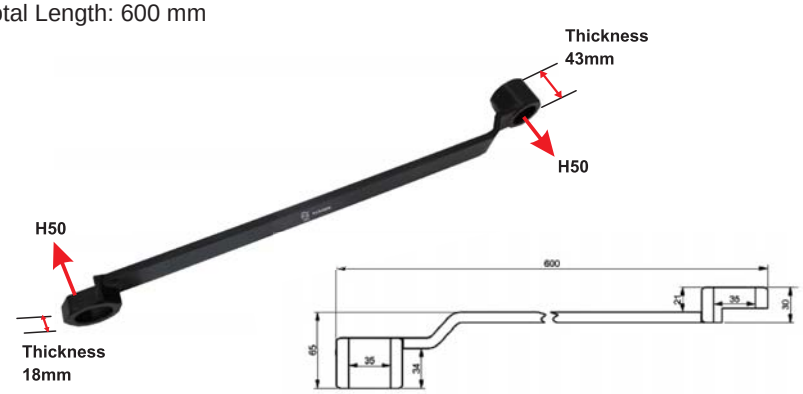
- 24 mm wrench or 1/2" sq spinner handle is necessary for this operation.

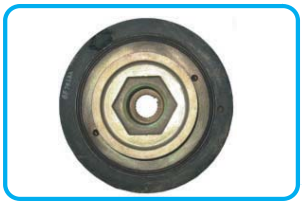
H.C.B-D2030 HONDA BELT PULLEY HOLDER

HONDA 皮帶盤固定器

- Designed to properly secure the pulley from rotating during R & R of crank bolt.
- The heights of both heads have two specifications suitable for different space, one is 30 mm and the other is 65 mm. The diameter of central hole is 35 mm.
- Application: Honda Life JB1~JB8, Civic, ODYSSEY etc.
- Total Length: 600 mm





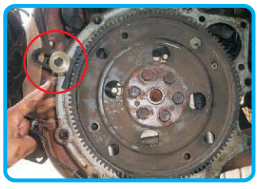


H.C.B-A7006 UNIVERSAL FLYWHEEL HOLDING TOOL

通用型飛輪阻擋器

- For fixing flywheel.
- Torque wrench is allowed.
- In order to prevent transmission clutch spring washer from rotating, it's necessary to lock the plate.
- Application: Honda, Ford, Mitsubishi, Toyota……, etc.







H.C.B-A7002 HONDA LOWER CONTROL ARM BUSH REMOVER / INSTALLER (HYDRAULIC DRIVE) PAT. M 277669 USA PAT. PEN

HONDA 三角架鐵套拆裝工具組 (油壓)




K6 LOWER CONTROL ARM


K8 LOWER CONTROL ARM

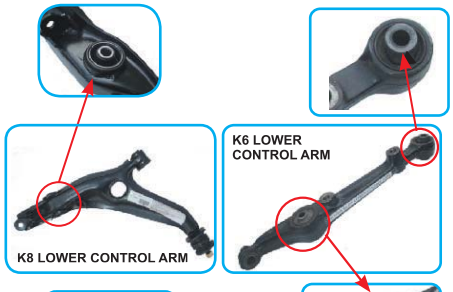

K10 & CR-V LOWER CONTROL ARM BODY

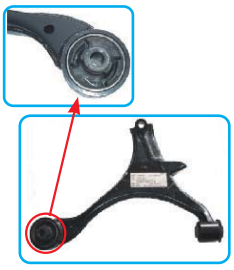
- **Features:**
  Used in conjunction with H.C.B-B1129
  On car maintenance.
  For replacement of bushes on Honda cars.
  Easy to use, and save time and money.
  Application: HONDA CRV (before 2001), CIVIC K6 (1992), CIVIC K8 (JC) (1996), CIVIC K2 (carburetor), CIVIC K3 (injection)

- **General introduction for bush:**
  A flexible bush has an elastomeric element enclosed between an outer sleeve and a centre axis to ensure better road grip and stability. Makes driving more comfortable.

- **Removal:**
  Note: the window indicator is for reference during removal and installation.
  STEP 1: Mount the tool on the lower control arm. Please refer to the removal illustration for guidance.
  STEP 2: Check the sleeve and make sure cylinder, hydraulic pump are properly installed.
  STEP 3: Remove the bush by pumping the hydraulic pump.
  STEP 4: Extract the bush.

- **Installation:**
  NOTE: clean and lubricate the bush with wd-40 lubricant, recommended, before installation.
  STEP 1: Put the bush and align it on the lower control arm.
  STEP 2: Mount the tool on the lower control arm. Please refer to the installation illustration for guidance.
  STEP 3: Install the bush by pumping the hydraulic pump.
  STEP 4: Remove the tool and make sure the bush is properly installed on the lower control arm.




K10 & CR-V LOWER CONTROL ARM


Use the accessory No. 1, 2, 3, 5, 11, & 12 for removing


Use the accessory No. 1, 2, 3, 6, 11, & 12 for installing


Use the accessory No. 1, 2, 3, 4, 11, & 12 for removing


Use the accessory No. 1, 2, 6, 7, 11, & 12 for installing


Use the accessory No. 1, 2, 3, 4, 11, & 12 for removing


Use the accessory No. 1, 2, 3, 6, 11, & 12 for installing


Use the accessory No. 1, 8, 9, 4, 11, & 12 for removing


Use the accessory No. 1, 8, 10, 11, & 12 for installing

H.C.B-A7001 HONDA CR-V, K6 & K8 REAR TRAILING ARM BUSH REMOVER / INSTALLER JP PAT. 3126495 PAT. M296812

HONDA CR-V, K6 & K8 後游臂鐵套拆裝工具組

5 / 25.5 / 26.5 / 2.31'





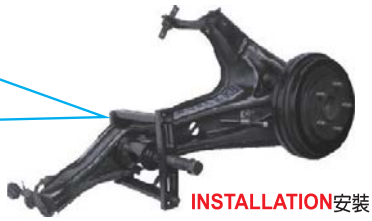
DEGREE LASER
本體雷射刻度



REMOVAL拆卸



ALIGNMENT PIN
定位銷



INSTALLATION安裝

- Application:
  HONDA: CIVIC (1988-2000)
  DEL SOL (1993-1997)
  CR-V (K6/K8) (1997-2002/8)
  ACURA: Integar (1994-2001)
  LANCER VIRAGE (after 2001)
- Service completely performed on the car.
- A hydraulic press is not needed to remove the old bushing or install the new one.
- Service time is only 10 minutes per side, you can save time, labor and money.
- Shifting hook design could adjust the size.



TIPS FOR METAL BUSH
- ▲A flexible bush has an elastomeric element enclosed between an outer sleeve and a center axis, so as to ensure better road grip and stability.
- ▲Makes driving more comfortable and safe.

1.車上拆裝,免拆下後仰角。
2.免拆排氣管,ABS剎車線。
3.您賺錢最佳的利器。

H.C.B-A7003 HONDA ACCORD UPPER CONTROL ARM BUSH REMOVER / INSTALLER (AFTER YEAR 2004) USA PAT.

HONDA 雅哥 (2004 年後) 上三角架鐵套拆裝工具組







The illustration for removal



The illustration for installation

- The best tool for the replacement of Honda Accord upper control arm bush.
- On car maintenance.
- Won't damage the parts close to bush during the maintenance.
- Window indicator for reference while removing and installing the bush.
- Can be used easily and quickly which saves time and money.
- Application: Honda Accord after year 2004

General introduction for bush
- A flexible bush has an elastomeric element enclosed between an outer sleeve and a center axis to ensure better road grip and stability.
- It makes driving more comfortable

Removal:

NOTE: The window indicator is for reference during removal and installation.

STEP 1: Mount the tool on the upper control arm. Please refer to the removal illustration for guidance.
STEP 2: Check the sleeve and make sure they are properly installed.
STEP 3: Remove the bush by rotating the nut with wrench or socket.
STEP 4: Extract the bush.

Installation:

NOTE: Clean and lubricate the bush with WD - 40 lubricant, recommended before installation.

STEP 1: Put the bush and align it on the upper control arm.
STEP 2: Mount the tool on the upper control arm. Please refer to the installation illustration for guidance.
STEP 3: Install the bush by rotating the nut with wrench or socket.
STEP 4: Remove the tool and make sure the bush is properly installed on the upper control arm.

H.C.B-A7004 ACCORD AIR-CONDITIONER PANEL EXTRACTOR

雅哥冷氣面板拆卸器

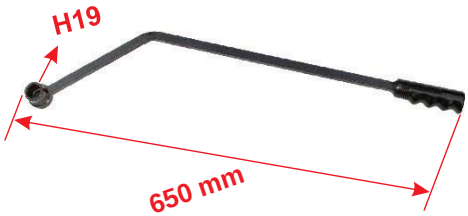
- Application: ACCORD 2003



H.C.B-A7005 HONDA BELT TENSIONER WRENCH (19 mm)

喜美 8 代 (1800 c.c., 2000 c.c.) 皮帶張力器調整扳手 (19 mm)

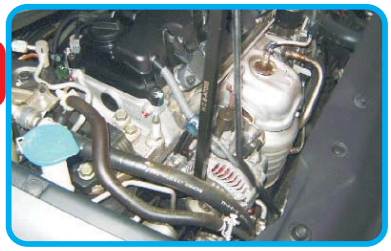
- Application: HONDA CIVIC VIII (1800 c.c., 2000 c.c.)
  2006 HONDA CIVIC 4D 1.8 L 1799 c.c. inline four cylinder engine
  2006 HONDA CIVIC 4D 2.0 L 1998 c.c. inline four cylinder engine

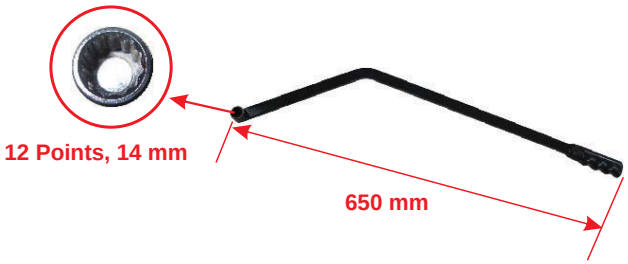


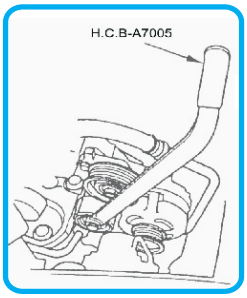
H.C.B-B7005 HONDA BELT TENSIONER WRENCH (14 mm)

喜美 8 代 (1800 c.c., 2000 c.c.) 皮帶張力器調整扳手 (14 mm)

- Application: Honda new car







H.C.B-A7010 HONDA WIPER SPRINKLER HEAD ADJUSTER

HONDA 雨刷調整器

- Used to adjust wiper sprinkler head angle tool



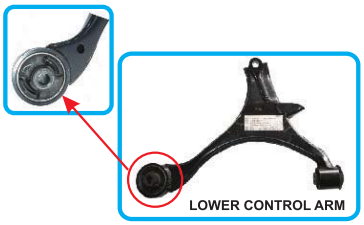




H.C.B-A7007 HONDA (K10 / CR-V) LOWER CONTROL ARM BUSH REMOVER / INSTALLER

HONDA (K10 / CR-V) 三角架鐵套拆裝工具組









■ **FEATURES**
- On car maintenance.
- For replacement of bushes on Honda cars.
- Easy to use and save time and money.
- Application: Honda Ferio / K10 (after 01), CRV 2.0 (2002-2006), Element (2003-2006), Honda Pilot (After 2003), Odyssey (After 2005), Ridgeline (After 2006), Acura MDX (2000-2006)

■ **GENERAL INTRODUCTION FOR BUSH**
- A flexible bush has a blastomeric element enclosed between an outer sleeve and a centre axis to ensure better road grip and stability.
- Makes driving more comfortable.

■ **REMOVAL**
NOTE: THE WINDOW INDICATOR IS FOR REFERENCE DURING REMOVAL AND INSTALLATION.
Step 1: Mount the tool on the lower control arm. Please refer to the removal illustration for guidance.
Step 2: Remove the bush by wrench.
Step 3: Extract the bush.

■ **INSTALLATION**
NOTE: CLEAN AND LUBRICATE THE BUSH WITH WD-40 LUBRICANT, RECOMMENDED, BEFORE INSTALLATION
Step 1: Put the bush and align it on the lower control arm.
Step 2: Mount the tool on the lower control arm. Please refer to the installation illustration for guidnance.
Step 3: Install the bush by wrench.
Step 4: Remove the tool and make sure the bush is properly installed on the lower control arm.

H.C.B-A7008 HONDA ACCORD AXLE BALL JOINT REMOVAL / INSTALLATION TOOL KIT

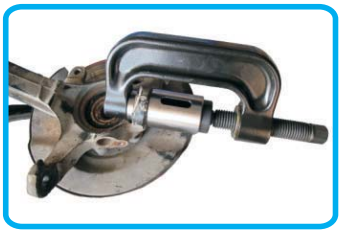
HONDA 雅哥仰角球頭拆裝工具組

- The C-clamp was forged, and its material is SCM440, hardness is HRC 38° - 42°.
- On car maintenance.
- Especially designed to remove and install the ball joint on car to save time and labor.





Extraction



Installation

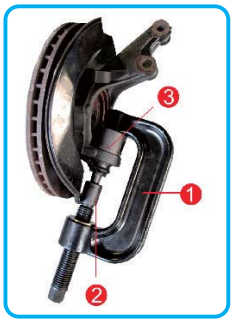
H.C.B-A7009 ON CAR HONDA (CIVIC 7/ CR-V) (FERIO 1700 C.C. K10) FRONT AXLE BALL JOINT REMOVAL/ INSTALLATION TOOL KIT

HONDA (CIVIC 7/ CR-V) (FERIO 1700 C.C. K10) 前仰角球接頭拆裝工具組

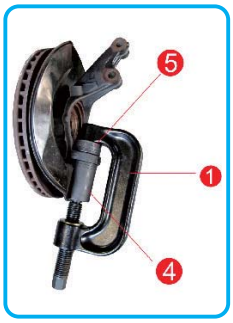
- The C-clamp was forged, and its material is SCM440, hardness is HRC 38° - 42°
- On car maintenance.
- Special design to remove & install the ball joint without removing any parts.
- Application: HONDA CIVIC 7 FERIO (1700 c.c. K10)



- 此本體是鍛造，材質是SCM440硬度是HRC 38°~42°
- 可於車上修護
- 特別的設計可安裝與拆卸HONDA(CR-V)第一代前下球接頭拆裝器而不用拆卸到任何零件
- 適用車種：CIVIC7 FERIO (1700 c.c./K10)



Extraction



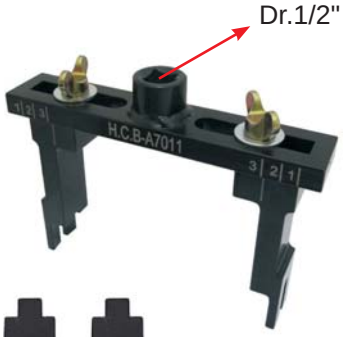
Installation

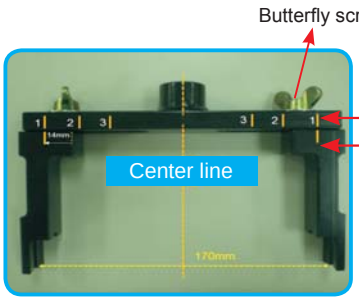
H.C.B-A7011 HONDA ADJUSTABLE FUEL TANK LID REMOVER / INSTALLER

HONDA 燃油濾清器鎖附螺帽拆裝工具

- Firstly, check the model and year of the car.
- Loosen butterfly screws, and then follow the scale form to position the fixing legs to fit the lock ring.
- Loosen and tighten the butterfly screws only by hand. (Do not use tool to adjust butterfly screws)
- Use 1/2" square drive tool to turn .The torque turning force is 120 Nm.

※ It may cause spare part or this tool damaged if you do not follow the scale position when repair.









Optional (選購):
For HONDA CR-V (16-17)



Scale position	1	2	3
Application	After 2006 CIVIC After 2011 CRZ After 2012 CIVIC Lock ring: Ø170 mm	After 2013 SUPER-CRV After 2013 ACCORD Lock ring: Ø155 mm	After 2007 CRV After 2008 ACCORD After 2009 FIT Lock ring: Ø138 mm

H.C.B-A7012 HONDA FRONT / REAR AXLES WHEEL BEARING REMOVAL / INSTALLATION TOOL KIT

HONDA 前 / 後輪軸培林拆裝工具組



- This tool is designed to remove / install the front and rear axle wheel bearings without extracting hub to save time and labor.
- On car maintenance.



Removal



Installation

- Application:

Model	Year	Position	Bearing Model	Bearing-(outside diameter)
FIT	2008~2012	Front Wheel	44300-TF0 951	74
CIVIC	8th generation :2006~2012	Front Wheel	44300-TS4 951	78
CRV	2003~2006	Rear Wheel	44300-SAA 003	73
CRV	2nd generation :2003~2006	Front Wheel	44300-S9A 003	84
CRV	3rd generation :2007~2011	Front Wheel	44300-SJK J01	91

H.C.B-A7013 HONDA SUBFRAME BUSH REMOVAL AND INSTALLATION TOOL KIT (HYDRAULIC, 3/8" ADAPTOR)

HONDA 三角架鐵套拆裝工具組 (油壓 , 3/8" 接頭)



- Removal / installation tool kit for bushes on Honda subframe.
- This kit is designed to operate on car.

Application:

Model	Year	Bush model	Bush Outer Diameter	
ACCORD	2003~2007	51391-5DB A01	Ø 74	3000 c.c
CRV	CR-V II	51391-S7A 801	Ø 65	
CIVIC	2006~2011	51391-SNA 305	Ø 65	

H.C.B-A7014 HONDA CIVIC R18A1 CRANKSHAFT REAR OIL SEAL INSTALLATION TOOL KIT

HONDA CIVIC R18A1 曲軸後油封安裝工具 (8/9 代)

- To prevent the crankshaft rear oil seal from damaged when installing it.











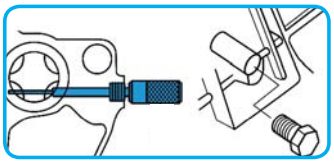
H.C.B-A1775 NEW HONDA SINGLE/ TWIN CAM TIMING TOOL KIT

HONDA 單 / 雙凸輪正時工具組



- A timing tool kit for HONDA with a correctly sized M6 bolt which required to lock the spring loaded cam belt tensioners found on many of the listed application.
- Application:

Model	Displacement	Year
Accord	1.8L / 2.0L / 2.2L / 2.3L	1993 - 2003
Civic	1.6L Vti VTEC	1991 - 1995
Odyssey	2.2L / 2.3L	1995 - 2001
Prelude	2.0L / 2.2L / 2.3L	1992 - 2001
Shuttle	2.2L /2.3L	1995 - 2001



- Engines:
  1.6L-B16A2/ 1.8L B18C6/ F18A3/ F18B2/ F18B4/ 2.0L-F20A4/ F20B3/ F20B5/ F20B6/ F20B7/ F20Z1/ F20Z2/ 2.2L-F22Z2/ F22B5/ F22B8/ H22A2/ H22A5/ H22A7/ H22A8/ 2.3L-F23A7/ F23Z5/ H23A2/ H23A3/ 3.0L-J30A1
- **HONDA OEM no ref.:**
  0132AB, 0178D, 0194A, 07744-0010400, 07LAG-PT20100, 14540 P13 003, 18G1671, 21-260, 303-732, 4527-TS2, 5711-TD, 999-7169

SINCE 1990

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HWANG CHERNG BIN

Specialty Tools Inc.

VOLVO

VOLVO 修護工具

VOLVO REPAIR TOOL



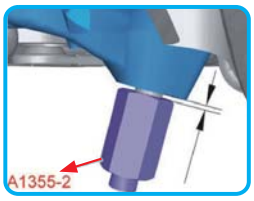




H.C.B-A1355 VOLVO BALL JOINT REMOVER

VOLVO 球接頭拆卸器







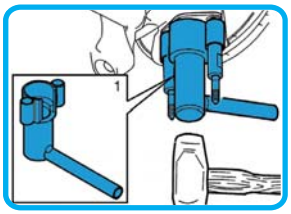
- For removing lower control arms, ball joints and suspension parts.
- Application: V70 (00-08), V70 XC (01-) / XC70 (-07), S60, S80 (-06)、XC90.
- Sizes of nuts: M12 × P1.75, M14 × P2.0

H.C.B-A1708 VOLVO BALL JOINT REMOVAL/ INSTALLATION TOOL

VOLVO 球接頭拆裝工具

- Special designed for the lower control arm ball joint mounting and dismounting.
- For cars with aluminium control arms and steel wishbones alike.
- Adapters size: M12 x 1.75, M14 x 1.5, M14 x 2.0.
- Application:
  VOLVO S60 (2000-2009), S80 (1998-2006), V70/ XC70 (1999-2007), XC90 (2002-2014).
- **VOLVO OEM No. ref.:** 9995796







Optional (選購)
H.C.B-A1012

H.C.B-A1719 VOLVO (C70/S70/V70/850) REAR SUSPENSION END LINKS REMOVER/ INSTALLER

VOLVO (C70/S70/V70/850) 後懸吊連桿拆裝工具

- This tool is used to remove and install the rear suspension end links.
- Application: VOLVO C70 Conv (-05), C70 Coupe (-02), S70, V70 (-00), 850
- **VOLVO OEM no. ref.:** 9995497



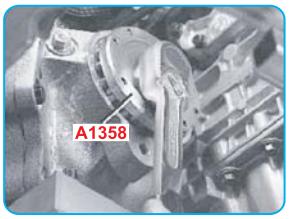


H.C.B-A1358 VOLVO DIFFERENTIAL SEALING NUT WRENCH

VOLVO 差速器密封環螺帽扳手

- Application: XC90, V70 (00-08), V70 XC (01-) / XC70 (-07), S60, 850, S70, V70 (-00), V70 XC (-00), 940, 940 SE, 960, S80 (-06).
- **VOLVO OEM no. ref.:** 9995371





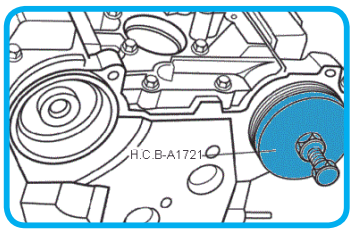
H.C.B-A1721

VOLVO (C70/S40/S60/S70/S80/S90/V40/V70/V70XC/XC70/XC90/850/960) CAMSHAFT REAR SEAL INSTALLATION TOOL

VOLVO (C70/S40/S60/S70/S80/S90/V40/V70/V70XC/XC70/XC90/850/960) 凸輪軸後油封安裝工具



- Oil seal installation tool for installing VOLVO camshaft rear seal.
- Application:
  VOLVO C70 Conv (-05), C70 Coupe (-02), S40 (-04), S60 (-09), S70, S80 (-06), S90 (-98), V40 (-04), V70 (-00), V70 (00-08), V70 XC (-00), V70 XC (01-) / XC70 (-07), XC90 (03-), 850, 960
- Applicable Engine:
  B4164S, B4164S2, B4184S, B4184S10, B4184S2, B4184S3, B4184S9, B4194T, B4194T2, B4204S, B4204S2, B4204T, B4204T2, B4204T2 CVVT, B4204T3, B4204T3 (CA) (US), B4204T4, B4204T5, B5202FS, B5204FS, B5204FT, B5204T2, B5204T3, B5204T4, B5204T5, B5234FS, B5234FT, B5234T2, B5234T3, B5234T4, B5234T5, B5234T6, B5234T7, B5234T8, B5234T9, B5244S, B5244S2, B5244S6, B5244SG, B5244SG2, B5244T, B5244T2, B5244T3, B5244T4, B5244T5, B5244T7, B5252FS, B5254FS LH 3.2, B5254FS M 4.3, B5254FS M 4.4, B5254S DENSO, B5254T, B5254T2, B5254T4, B5254T9, B6284T, B6294S, B6294S2, B6294T, B6304FS, B6304FS2, B6304GS, B6304S3, GB5252S,
  Power Transmission: TF-80SC AWD
- **VOLVO OEM no. ref.:** 9995450



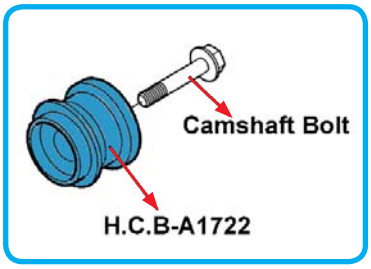
H.C.B-A1722

VOLVO (C30/C70/S40/S60/S80/V50/V60/V70/S60XC/V40XC/V60XC/XC60/XC70) CAMSHAFT FRONT OIL SEAL INSTALLER

VOLVO (C30/C70/S40/S60/S80/V50/V60/V70/S60XC/V40XC/V60XC/XC60/XC70) 凸輪軸前油封安裝器



- Oil seal installer for VOLVO camshaft front oil seal (with variable valve timing unit).
- Application:
  VOLVO 240, 850, C30, C70 (06-), C70 Conv (-05), C70 Coupe (-02), S40 (-04), S40 (04-), S60 (-09), S60 (11-), S60 Cross Country, S60L, S70, S80 (-06), S80 (07-), S80L, V40 (-04), V40 (13-), V40 Cross Country, V50, V60, V70 (-00), V70 (00-08), V70 (08-), V70 XC (-00), V70 XC (01-) / XC70 (-07), XC60, XC70 (08-), XC90 (03-)
- Applicable Engine:
  B4184S10, B4184S2, B4184S3, B4184S9, B4194T2, B4204S2, B4204T2, B4204T2 CVVT, B4204T3, B4204T3 (CA) (US), B4204T4, B4204T5, B5202FS, B5204T2, B5204T3, B5204T4, B5204T5, B5204T8, B5204T9, B5234FS, B5234T2, B5234T3, B5234T4, B5234T6, B5234T7, B5234T8, B5234T9, B5244S, B5244S2, B5244S4, B5244S5, B5244S6, B5244S7, B5244SG, B5244SG2, B5244T, B5244T2, B5244T3, B5244T4, B5244T5, B5244T7, B5252FS, B5254S DENSO, B5254T, B5254T10, B5254T11, B5254T12, B5254T14, B5254T2, B5254T3, B5254T4, B5254T5, B5254T6, B5254T7, B5254T8, B5254T9, B6284T, B6294S, B6294S2, B6294T, B6304S3, GB5252S, Power Transmission: TF-80SC AWD, B4164S2
- **VOLVO OEM no. ref.:** 9995718

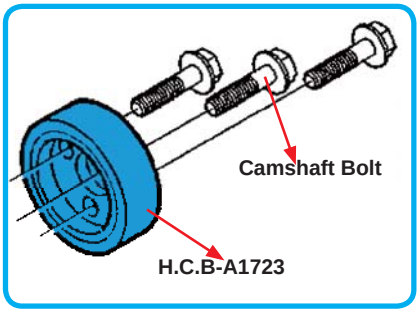


H.C.B-A1723 VOLVO (850/C30/C70/C70 Conv/C70 Coupe/S40/S60/S70/S80/V40/V50/ V70/V70 XC/ XC70/XC90) CAMSHAFT FRONT OIL SEAL INSTALLER

VOLVO (850/C30/C70/C70 Conv/C70 Coupe/S40/S60/S70/S80/ V40/V50/V70/V70 XC/ XC70/XC90) 凸輪軸前油封安裝器



- Oil seal installer for VOLVO camshaft front oil seal (without variable valve timing unit)
- Application:
  VOLVO 850, C30, C70 (06-), C70 Conv (-05), C70 Coupe (-02), S40 (-04), S40 (04-), S60 (-09), S70, S80 (-06), V40 (-04), V50, V70 (-00), V70 (00-08), V70 XC (-00), V70 XC (01-) / XC70 (-07), XC90 (03-)
- Applicable Engine:
  B4184S10, B4184S2, B4184S3, B4184S9, B4194T2, B4204S2, B4204T2, B4204T2 CVVT, B4204T3, B4204T3 (CA) (US), B4204T4, B4204T5, B5202FS, B5204T2, B5204T3, B5204T4, B5204T5, B5234FS, B5234T2, B5234T3, B5234T4, B5234T6, B5234T7, B5234T8, B5234T9, B5244S, B5244S2, B5244S4, B5244S5, B5244S6, B5244S7, B5244SG, B5244SG2, B5244T, B5244T2, B5244T3, B5244T4, B5244T5, B5244T7, B5252FS, B5254FS M 4.4, B5254S DENSO, B5254T, B5254T2, B5254T4, B5254T9, B6284T, B6294S, B6294S2, B6294T, B6304S3, GB5252S, Power Transmission: TF-80SC AWD, B4164S2
- **VOLVO OEM no. ref.:** 9995719



H.C.B-A1359 VOLVO DIESEL FILTER WRENCH

VOLVO 柴油濾芯扳手

- Application: V70 (08-), XC70 (08-), S80 (-06), XC90, V70 (00-08), V70 XC (01-) / XC70 (-07), S60, C30, C70 (06-), S40 (04-), V50, S80 (07-).
- Engine: D4204T11, D4204T14, D4204T20, D4204T4, D4204T5, D4204T8, D4204T9, D5204T2, D5204T3, D5204T7, D5244T, D5244T10, D5244T11, D5244T12, D5244T14, D5244T15, D5244T16, D5244T17, D5244T18, D5244T19, D5244T2, D5244T20, D5244T21, D5244T22, D5244T23, D5244T3, D5244T4, D5244T5, D5244T6, D5244T7.
- **VOLVO OEM no. ref.:** 9997084.









H.C.B-A1729 VOLVO OIL FILTER WRENCH (Dr. 3/8", 16 POINTS, 86 mm)

VOLVO 機油芯扳手 (Dr. 3/8", 16 角 , 86 mm)

- Special wrench for VOLVO oil filter cover.
- Application:
  Volvo S60 XC, S60 V60 (2011-), S80 (2007-), S90 V90 (2017-), V40 (2013-), V40 XC, V60 XC, V70 (2008-), V70 XC70 (2008-), XC60, XC70 (2008-), XC90 (2016-)
- **VOLVO OEM no. ref.:** 9997499





Oil filter cover OEM no.: 31321084

H.C.B-A1360 VOLVO FUEL TANK LOCKING RING TOOL

VOLVO 油箱蓋拆裝器

- For removing and installing the fuel tank lid.
- Application: V70 (00-), S80, XC90, S60, V70 XC (01-) / XC70.
- Engine: B5204T4, B5204T5, B5234T3, B5234T7, B5244S, B5244S2, B5244S6, B5244SG, B5244SG2, B5244T3, B5244T4, B5254T2, B6284T, B6294S, B6294S2, B6294T, B6304S3, B8444S, D5244T, D5244T2, D5244T3, D5252T MSA 15.8 and B5204T3.
- **VOLVO OEM no. ref.:** 9995720.







H.C.B-A1717 VOLVO FUEL TANK LID WRENCH

VOLVO 油箱蓋拆卸器

- For removing and installing the fuel tank lid.
- Application: V70 (00-), S80, XC90, S60, V70 XC (01-) / XC70.
- Engine: B5204T4, B5204T5, B5234T3, B5234T7, B5244S, B5244S2, B5244S6, B5244SG, B5244SG2, B5244T3, B5244T4, B5254T2, B6284T, B6294S, B6294S2, B6294T, B6304S3, B8444S, D5244T, D5244T2, D5244T3, D5252T MSA 15.8 and B5204T3.
- **VOLVO OEM no. ref.:** 9995720.





H.C.B-A1361 VOLVO CYLINDER HEAD REMOVER

VOLVO 汽缸蓋拆卸鉗

- This tool is used for removing cylinder head.
- Application: V70 (08-), XC70 (08-), S80 (-06), XC90, V70 (00-08), V70 XC (01-) / XC70 (-07), S60, C30, C70 (06-), S40 (04-), V50, S40 (-04), V40, 850, C70 Coupe (-02), C70 Conv (-05), S70, V70 (-00), V70 XC (-00), 960, S90, V90, S80 (07-).
- **VOLVO OEM no. ref.:** 9995670.



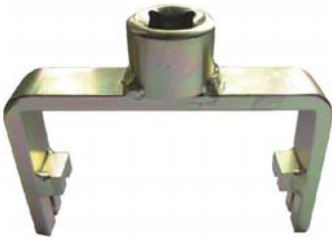




H.C.B-A1362 VOLVO TANK LID REMOVER/ INSTALLER

VOLVO 油箱蓋拆裝器

- This tool is used for removing and installing the fuel tank lid.
- Application: 240, S40 (-04), V40, 850, C70 Coupe (-02), C70 Conv (-05), S70, V70 (-00), V70 XC (-00).
- Engine: B4184S, B4204S, B5202FS, B5204FS, B5204FT, B5204T2, B5204T3, B5234FS, B5234FT, B5234T2, B5234T3, B5234T4, B5234T5, B5234T6, B5234T8, B5244S, B5244S2, B5244T, B5244T2, B5252FS, B5254FS LH 3.2, B5254FS M 4.3, B5254FS M 4.4, B5254S DENSO, B5254T, D5252T MSA 15.7.
- **VOLVO OEM no. ref.:** 9995485.







H.C.B-A1378 VOLVO FUEL PUMP TANK LID WRENCH

VOLVO 油箱蓋拆卸器

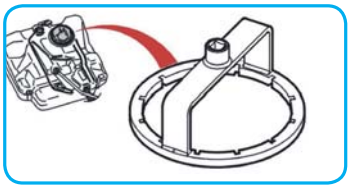
- Application: V70 (08-), XC70 (08-), C30, C70 (06-), S40 (04-), V50, S80 (07-).
- Engines: B4164S3, B4184S11, B4184S8, B5244S4, B5244S5, B5254T3.
- **VOLVO OEM no. ref.:** 9997093.





Fuel Pump Tank Lid





H.C.B-A1381 VOLVO FRONT STRUT LOWER NUT WRENCH

VOLVO 避震器拆裝套筒

- Application:
  1. C70 Coupe (-02), C70 Conv (-05), S70, V70 (-00), V70 XC (-00), 850
  2. XC90, V70 (00-08), V70 XC (01-) / XC70 (-07), S60, 850, C70 Coupe (-02), C70 Conv (-05), S70, V70 (-00), V70 XC (-00), S80 (-06).
- **VOLVO OEM no. ref.:** 1-9995469
  2-9995468









H.C.B-A1382 VOLVO IDLER WRENCH

VOLVO 惰輪扳手

- Application:
  S80 (-06), XC90, V70 (00-08), V70XC (01-) / XC70 (-07), S60, C30, C70 (06-), S40 (04-), V50, S40 (-04), V40, C70 Coupe (-02), C70 Conv (-05), S70, V70 (-00), V70 XC (-00)
- **VOLVO OEM no. ref.:** 9997109.








H.C.B-A1306 VOLVO COMPUTER CONTROL BOX REMOVER/ INSTALLER

VOLVO 電腦控制模組拆裝器

- Easy and safe to remove or install the computer control box.
- Application: VOLVO S40, S60, S/V70, S80, XC90.
- **VOLVO OEM no. ref.:** 9995722.



Removal :


Step 1


Step 2


Step 3


Step 4

Installation:


Step 1


Step 2


Step 3


Step 4

H.C.B-A1308 VOLVO SERPENTINE BELT TOOL

VOLVO 惰輪調整扳手

- Turning around the idler and replace serpentine belt with square head at the front.
- Application: VOLVO autos after 1995.



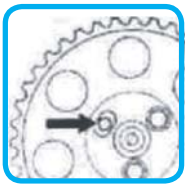



H.C.B-A1069 VOLVO CAMSHAFT/ CRANKSHAFT ALIGNMENT TOOL

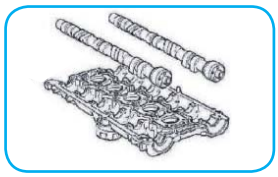
VOLVO 正時工具組

3 / 19.9 / 20.1 / 2.39'

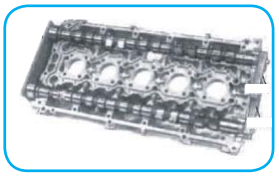


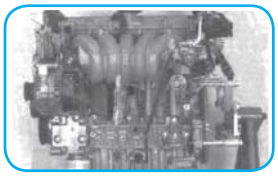


- For alignment of the cam and crankshafts. Enable the correct installation of the camshafts with the cam cover.
- Application: VOLVO
  Engines: B41XX, B42XX, B52XX, B62XX, B63XX.
  Models: 700, 800, 850, 900, 960, C70 Coupe and Conv, S40, S60, S70, S80, S90, V70-2000 V70XC, XC70, V90, XC90.
- **VOLVO OEM no. ref.:** 9995451/ 9995454.



Use specified seal glue on the flange.





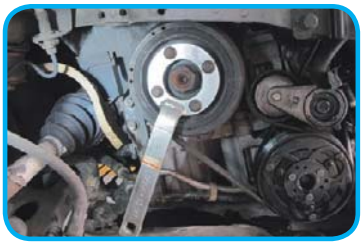
The crankshaft locking hole.



H.C.B-A1395 VOLVO CRANKSHAFT PULLEY HOLDING TOOL

VOLVO 曲軸皮帶盤支擋扳手

- Used to counter-hold the crankshaft pulley to release and tighten the center bolt.
- Application: S80 (98-06), S70/V70 (97-07), XC70 (02-07), S60 (00-09), C30 (06-09), C70 (98-09), S40/V40 (97-09), V50 (04-09), XC90 (02-09).
- **VOLVO OEM no. ref.:** 9995433.

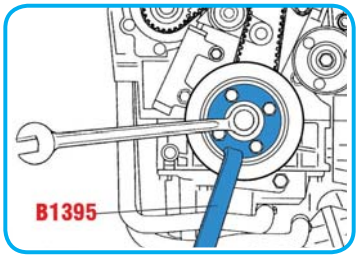




H.C.B-B1395 NEW VOLVO CRANKSHAFT PULLEY HOLDING TOOL

VOLVO 曲軸皮帶盤支擋扳手

- Used to counter-hold the crankshaft pulley to release and tighten the centre bolt.
- Application: Ford: Focus (05-11), Galaxy (06-10), Kuga (11-13), Mondeo (07-10), S-Max (06-10). Volvo: C30 (06-13), C70 (98-13), S40 (96-12), S60 (00-15), S70 (98-00), S80 (98-15), V40 (96-99), V50 (04-12), V60 (10-15), V70 (98-15), XC60 (08-15), XC70 (02-15), XC90 (02-13)
- **VOLVO OEM no. ref.:** 9995433



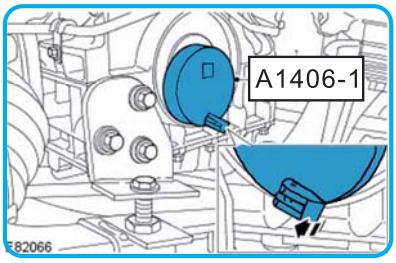


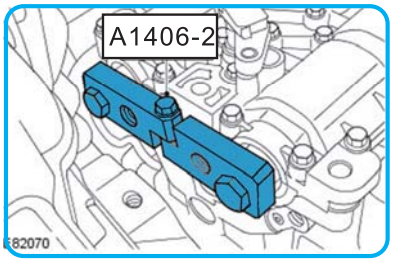
H.C.B-A1406 LAND ROVER/ JAGUAR/ VOLVO (T6) CAMSHAFT ALIGNMENT TOOL KIT

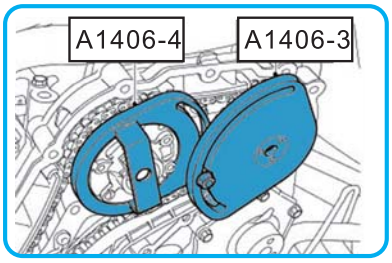
LAND ROVER/ JAGUAR/ VOLVO (T6) 凸輪軸正時工具組



- Special design to align the engine camshaft and crankshaft position, and correct into the side cover.
- Application: Land Rover, Jaguar, VOLVO S80, XC90, XC60, XC70 3.0T, 3.2 (T6 Engine) since 2007
  2008 - 2012 Land Rover - LR2/ 2011 - 2013 Volvo - S60
  2012 - 2013 Volvo - S60 R/ 2007 - 2013 Volvo - S80
  2008 - 2010 Volvo - V70/ 2010 - 2013 Volvo - XC60
  2012 - 2012 Volvo - XC60 R/ 2008 - 2013 Volvo - XC70
  2007 - 2013 Volvo - XC90/ 2012 - 2013 Volvo - XC90 R
- **VOLVO OEM no. ref.:** 9997257 / 9997261 / 9997263 / 9997264 / 9997271 / 9997272 / 9997266 / 9997267.



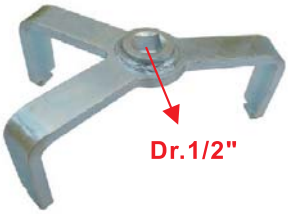




H.C.B-A1427 VOLVO DIESEL PUMP TANK LID WRENCH

VOLVO 柴油幫浦油箱蓋拆裝器

- For removing and installing the metal fuel tank lid.
- Application: S60 Cross Country, S60L, S80 (07-), V60, V60 Cross Country, V70 (08-), XC60, XC70 (08-), S60 (11-).
  Engine: B4164T2, B4164T3, B4204T6, B4204T7, B5254T5, B6304T4, B6324S4, B6324S5, D4162T, D5204T2, D5204T3, D5244T10, D5244T11,D5244T15, D5244T17, B4164T.
- **VOLVO OEM no. ref.:** 9997418.





H.C.B-A1447 VOLVO FRONT SUSPENSION SHOCK ABSORBER SPRING COMPRESSOR

VOLVO 前懸吊系統避震器彈簧壓縮工具

- To separate the sub-frame and shock absorber.
- Application: VOLVO S80 (1999-2006)
  S60 (2001-2010)
  XC60 (2009~)
  XC70 (2002-2007)
  V70 (2000-2007)
  XC90
- **VOLVO OEM no. ref.:** 9997256.

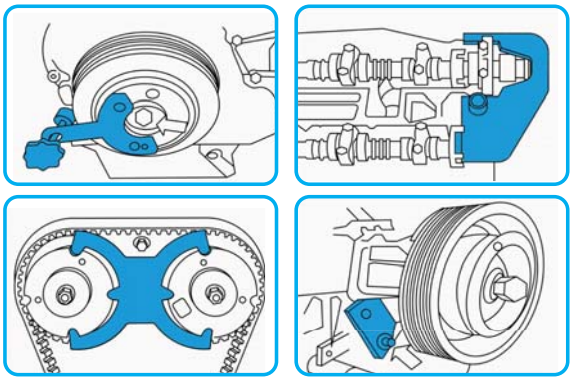




H.C.B-A1545 VOLVO TIMING TOOL KIT(T4/ T5)

VOLVO 正時工具組 (T4/ T5)

- To adjust and fix the angle of camshaft and crankshaft.
- Application: VOLVO V4 1.6 L, 2.0 L, T4, T5 engine.





A1889-14
Optional(選購)



H.C.B-B1545 NEW FORD / MAZDA / VOLVO 1.6L & 2.0L TIMING TOOL KIT

FORD / MAZDA / VOLVO 1.6L & 2.0L 正時工具組

- To adjust and fix angle of camshaft and crankshaft.
- Application:
  Ford: B-Max (12-15), C-Max (03-07), C-Max (07-10), C-Max (10-15), Grand CMax (10-15) Fiesta (08-15), Focus (04-11), Focus (11-15), , Touneo Connect (13-15), Grand Touneo Connect (13-15), S-Max (10-15), Galaxy (10-15), Kuga (13-15), Transit Connect (13-15)
  Mazda: Mazda 5 (CW) (10-15), Mazda 6 (GH) (10-13)
  Volvo: S80 (09-14), V40 (09-14), V40 Cross Country (10-14), XC60 (09-14), S80 (09-14), V60 (10-14), V70 (09-14), S60 (11-11)
- Engine Code: 1.6: B4164T, B4164T2, B4164T3, HXDA, HXDB, HXJA, HXJB, IQDA, IQDB, IQJA, JQDA, JQDB, JQGA, JQMA, JQMB, JTDA, JTDB, JTJA, JTMA, JTWB, MUDA, PNDA, RVJA, SIDA, U5JA, XTDA 2.0: B4204T6, B4204T7, B4204T7(MZRDIDSI), MGDA, MZR 2.0 (LF), R9DA, TNBA, TNBB, TNWA, TPBA, TPWA, ZQDA
- **VOLVO OEM no. ref.:** 303-1565 / 303-1504 / 999-7405 / 303-1061 / 303-1521 / 999-7416 / 303-748 / 999-7406 / 303-507 / 303-1054 / 303-1097/ 999-7429 / 303-1550 / 999-7431 / 205-072 / 999-7415

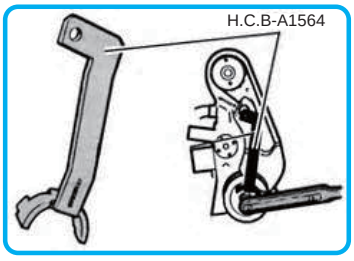


H.C.B-A1564 VOLVO CRANKSHAFT PULLEY HOLDER

VOLVO 曲軸支擋扳手

- Designed for holding crankshaft in place.
- Application: 200, 300.4, 700, 900, 940, 940 SE, 960
- Engine: B200E, B204E, B204FT, B230E, B230F, B230FT, B234F, B234G
- **VOLVO OEM no. ref.:** 9995284.



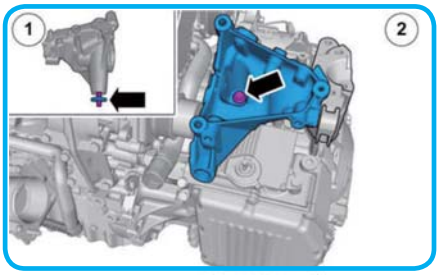


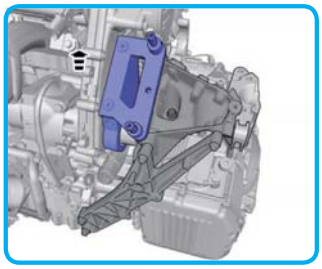
H.C.B-A1743 VOLVO (S60 (11-)/ S80 (07-)/ S80L/ V60/ V70 (08-)/ XC60/ XC70 (08-)/ XC90 (03-)) POSITION SENSOR

VOLVO (S60 (11-)/ S80 (07-)/ S80L/ V60/ V70 (08-)/ XC60/ XC70 (08-)/ XC90 (03-)) 定位工具



- Position sensor for positioning the engine A/C bracket while installing the bracket.
- Application: VOLVO S60 (11-)/ S80 (07-)/ S80L/ V60/ V70 (08-)/ XC60/ XC70 (08-)/ XC90 (03-)
- **VOLVO OEM no. ref.:** 9997262





H.C.B-A1638 VOLVO / FORD / CHRYSLER / DODGE DUAL-CLUTCH TRANSMISSION REMOVAL/INSTALLATION TOOL

VOLVO / FORD / CHRYSLER / DODGE 雙離合器變速箱拆裝工具



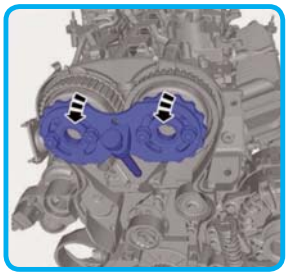
- To remove and install the dual-clutch transmission.
- Special design to fix, turn and take out the dual-clutch.
- Application:
  Volvo: C70 (06-), S40 (04-), S60 (11-), S80 (07-), S80L, V40 (13-), V40 Cross Country, V50, V60, V70 (08-), XC60, C30
  Volvo Engine: B4164T, B4164T2, B4164T3, B4204S3, B4204S4, B4204T6, B4204T7, D4162T, D4204T, with Power Transmission: MPS6
  Ford: Focus (04~), C-Max, S-Max, Galaxy, Mondeo (07~), Kuga (13~).
  Chrysler: Sebring.
  Dodge: Avenger, Journey.
- **VOLVO OEM no. ref.:**VOLVO: 9997435/ FORD: 308-763

H.C.B-A1619 VOLVO B4204 (8-SPEED TRANSMISSION) CAMSHAFT ALIGNMENT TOOL KIT

VOLVO B4204 (8 速變速箱) 正時工具組



- Special design to align the engine camshaft and crankshaft position, and to get them into the side cover correctly.
- Application:
  VOLVO B4204 engine (8-Speed Transmission).
  Volvo S60 (2011~present)
  Volvo S60L (2007~present)
  Volvo S80 (2007~present)
  Volvo V40 (2013~present)
  Volvo V40 Cross Country (2008~present)
  Volvo V60 (2008~present)
  Volvo V60 Cross Country (2008~present)
  Volvo V70 (2008~present)
  Volvo XC60 (2008~present)
  Volvo XC70 (2008~present)
  Volvo XC70 (2016)
- **VOLVO OEM no. ref.:** 9997490 Position setting
  9997493 Puller
  9997495 Counterhold
  9997496 Drift
  9997497 Counterhold



H.C.B-A1660 VOLVO HEATER BLOWER REMOVAL/ INSTALLATION TOOL

VOLVO 冷氣鼓風機拆裝工具

- Tool for installing and removing the heater fan and the blower motor assembly.
- Application: S60 Cross Country, S60L, S80 (07-), S80L, V60, V60 Cross Country, V70 (08-), XC60, XC70 (08-), S60 (11-)
- Application:
  S60 (S-60) T5 Sedan (2.5L L5 Turbo) - 2012 2013
  S60 T6 (T-6) Sedan (3.0L L6 Turbo) - 2011 2012 2013
  S80 (S-80) Sedan (4.4L V8) - 2007 2008 2009 2010
  S80 3.2 Sedan (3.2L L6) - 2007 2008 2009 2010 2011 2012 2013
  S80 T6 Sedan (3.0L L6 Turbo) - 2008 2009 2010 2011 2012 2013
  V70 (V-70) 3.2 Wagon (3.2L L6) - 2008 2009 2010
  XC60 (XC-60) 3.2 Sport Utility (3.2L L6) - 2010 2011 2012 2013
  XC60 3.2 R-Design (R Design, RDesign) Sport Utility (3.2L L6) - 2011
  XC60 T6 Sport Utility (3.0L L6 Turbo) - 2010 2011 2012 2013
  XC60 T6 R-Design Sport Utility (3.0L L6 Turbo) - 2010 2011 2012 2013
  XC70 (XC-70) 3.2 Wagon (3.2L L6) - 2008 2009 2010 2011 2012
  XC70 T6 Wagon (3.0L L6 Turbo) - 2009 2010 2011 2012 2013
- **VOLVO OEM no. ref.:** 9997284



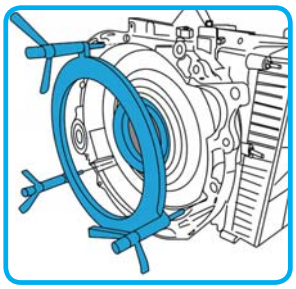


H.C.B-A1751 NEW VOLVO DCT FRONT OIL SEAL INSTALLER KIT

VOLVO DCT 前油封安裝組

- Application:
  C70 (06-), S40 (04-), S60 (11-), S80 (07-), S80L, V40 (13-), V40 Cross Country, V50, V60, V70 (08-), XC60, C30
  Engine: B4164T2, B4164T3, B4204S3, B4204S4, B4204T6, B4204T7, D4162T, D4204T, Power Transmission: MPS6
- **VOLVO OEM No. ref.:** 9997383. 9997388







H.C.B-M2288 NEW VOLVO WHEEL LOCK SCREW SOCKET KIT (20 PCS)

VOLVO 防盜螺絲套筒組 (20 PCS)

- Contents:
  #944L, #945L, #946L, #947L, #948L, #949L, #950L, #951L, #952L, #953L, #065P, #121P, #651P, #071P, #072P, #076P, #079P, #944P, #945P, #951P,
- Material:SCM440 chrome plated.



H.C.B-N2288 New VOLVO WHEEL LOCK SCREW SOCKET KIT (20 PCS)

VOLVO 防盜螺絲套筒組 (20 PCS)

- Contents:
  #7601, #7602, #7603, #7604, #7605, #7606, #7607, #7608, #7609, #7610, #7611, #7612, #7613, #7614, #7615, #7616, #7617, #7618, #7619, #7620
- Material:SCM440 chrome plated.

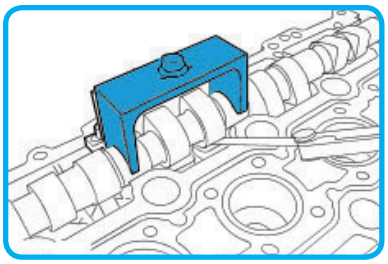


H.C.B-A1918 New VOLVO/ FORD 2.5 PETROL TIMING TOOL KIT

VOLVO/ FORD 2.5 汽油引擎正時工具

- Includes a camshaft holding tool which is essential for holding the camshaft when checking the valve clearances, and a crankshaft front oil seal installer.
- **Application(s):**
  Ford: Focus (05-11), Galaxy (06-10), Kuga (09-13), Mondeo (07-10), S-Max (06-10)
  Volvo: 850 , C30 , C70 (06-) , C70 Conv (-05) , C70 Coupe (-02) , S40 (-04) , S40 (04-) , S60 (-09) , S60 (11-) , S60 Cross Country , S60L , S70 , S80 (-06) , S80 (07-) , S80L , V40 (-04) , V40 (13-) , V40 Cross Country , V50 , V60 , V60 Cross Country , V70 (-00) , V70 (00-08) , V70 (08-) , V70 XC (-00) , V70 XC (01-) / XC70 (-07) , XC60 , XC70 (08-) , XC90 (03-).
- **Engine Codes:**
  2.5:HYDA, HYDB, HYDC, HUBA, B5254T2, B5254T3, B5254T4, B5254T5, B5254T6, B5254T7, B5254T8, B5254T9, B5254T10, B5254T11, B5254T12, B5254T14, B4164S2, B4184S10, B4184S2, B4184S3, B4184S9, B4194T2, B4204S2, B4204T2, B4204T2 CVVT, B4204T3, B4204T3 (CA) (US), B4204T4, B4204T5, B5204T3, B5204T4, B5204T5, B5204T8, B5204T9, B5234T3, B5234T7, B5234T9, B5244S, B5244S2, B5244S4, B5244S5, B5244S6, B5244S7, B5244SG, B5244SG2, B5244T, B5244T2, B5244T3 , B5244T4, B5244T5, B5244T7, B5254T10, B5254T11, B5254T12, B5254T14, B5254T2, B5254T3, B5254T4, B5254T5, B5254T6, B5254T7, B5254T8, B5254T9, B6284T, B6294S, B6294S2, B6294T.
- **OEM Tool:**Ford:303-1183, 303-1180 Volvo:999-5765





HWANG CHERNG BIN H.C.B

SINCE 1990

018

HWANG CHERNG BIN

Specialty Tools Inc.



TOYOTA 修護工具

TOYOTA REPAIR TOOL









H.C.B-A1705

TOYOTA CAMRY (2.0/2.4/2.5) CRANKSHAFT REAR OIL SEAL INSTALLATION TOOL KIT

TOYOTA CAMRY (2.0/2.4/2.5) 曲軸後油封安裝工具組



■ **Specifications:**

No.	Description Item	Dimensions	Q'ty	Remark
1	Installing Base	D:Φ113x51.5L	1	d:Φ15.6
2	Installing Block	D:Φ89x31L	1	d:Φ12.6
3	Screw	M12XP1.25X98L	2	
4	Screw	M14XP1.5X67L	1	

■ This tool kit is for installing the crankshaft rear oil seal of Toyota Camry.



Oil Seal OEM No.: 90311-89003

■ **Applications:**

Make	Model	Year	Trim	Engine	Important vehicle option details
Toyota	Camry	2002-2011	LE, SE, XLE	4 Cyl 2.4L	2AZFE, 2AZFXE; ACV30, ACV40, AHV40
Toyota	Corolla	2009-2011	XRS	4 Cyl 2.4L	2AZFE; AZE141
Toyota	Highlander	2001-2007		4 Cyl 2.4L	2AZFE; ACU20, ACU25
Toyota	Matrix	2009-2011		4 Cyl 2.4L	2AZFE; AZE141, AZE144, AZE146
Toyota	RAV4	2001-2009	Limited, Sport, X	4 Cyl 2.0L, 4 Cyl 2.4L	1AZFE, 2AZFE; ACA21, ACA23, ACA26, ACA28, ACA33, ACA38
Toyota	Solara	2006-2007, 2001-2003	SE, SLE	4 Cyl 2.4L	2AZFE; ACV20, ACV30
Scion	tC	2005-2010	G	4 Cyl 2.4L	2AZFE; ANT10
Scion	xB	2010-2013		4 Cyl 2.4L	2AZFE; AZE151

■ **Instructions (Oil seal installation):**







H.C.B-A1223 TOYOTA ALTIS SPECIAL 6-POINT SOCKET (Dr. 1/2", 10S)

TOYOTA ALTIS 特殊套筒 (Dr. 1/2", 10S)

- For removing and replacing the retaining screws on idler pulley of TOYOTA 1ZZ-FE engine
- Size: Dr.1/2", 10S

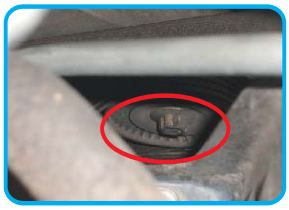








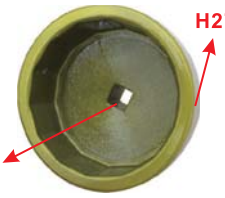
Suit part



Drive	Size	Length (mm)	Weight (g)
1/2"	10S	32	46

H.C.B-A1272 TOYOTA LEXUS OIL FILTER WRENCH (Dr. 3/8", 14 POINTS, 64 mm)

TOYOTA LEXUS 機油芯扳手 (Dr. 3/8", 14 角 , 64 mm)





- Dimensions: Dr. 3/8", 14 Points, 64 mm
- Application:
  Fits 2007–2008 Toyota 3.5L V6
  Lexus Models:
  GS 300 (2006), IS 250 (2006-), IS 350 (2006-), ES 350 (2007-), GS 350 (2007-), GS 450h (2007-), LS 460 (2007-), RX 350 (2007-) and LS 600h L (2008).
- Caution: Please use 27 mm socket with a wrench to manipulate this tool when the torque is over 25 Nm, otherwise this tool will risk being broken. The torque value limit is 25 Nm if this tool is operated with a wrench.



H.C.B-B1272 TOYOTA LEXUS OIL FILTER WRENCH (Dr. 1/2", 14 POINTS, 64 mm)

TOYOTA LEXUS 機油芯扳手 (Dr. 1/2", 14 角 , 64 mm)







- Application:
  Fits 2007–2008 Toyota 3.5L V6
  Lexus Models:
  GS 300 (2006), IS 250 (2006-), IS 350 (2006-), ES 350 (2007-), GS 350 (2007-), GS 450h (2007-), LS 460 (2007-), RX 350 (2007-) and LS 600h L (2008).
  Allion, Auris, Corolla axio, Corolla fielder, Corolla rumion, Isis, Ist, Noah, Premio, Prius, Voxy, Wish
- Size: Dr. 1/2", 14 Points, 64 mm

H.C.B-C1272 NEW TOYOTA/ LEXUS OIL FILTER WRENCH (Dr. 3/8", 14 POINTS, 64.5 mm)

TOYOTA/ LEXUS 機油芯扳手 (Dr. 3/8", 14 角 , 64.5 mm)

- Dimensions: Dr. 3/8" and 24 mm Hex, 14 Points, 64.5 mm
- Application:
  2007–2008 Toyota 3.5L V6
  Lexus Models:
  GS 300 (2006), IS 250 (2006-), IS 350 (2006-), ES 350 (2007-), GS 350 (2007-), GS 450h (2007-), LS 460 (2007-), RX 350 (2007-) and LS 600h L (2008).
  Toyota Models:
  Allion,Auris,Corolla axio,Corolla fielder,Corolla rumion,Isis,Ist,Noah,Premio, Prius,Voxy,Wish
- Caution: Please use 27 mm socket with a wrench to turn the tool when the torque is over 25 Nm, otherwise the tool will risk being broken. The torque value limit is 25 Nm if the tool is operated with a wrench.





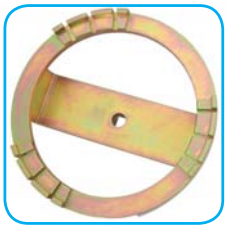


H.C.B-A1639 TOYOTA/ LEXUS FUEL TANK LID WRENCH (Dr. 1/2", 24 POINTS)

TOYOTA/ LEXUS 汽油浮筒拆裝器 (Dr. 1/2", 24 角)

- Toyota fuel pump gauge retainer:77169-52040, 77144-04010, 77144-52040
- Lexus fuel pump gauge retainer: 77144-48020
- Application:
  Corolla:2004-2014; CE, ECO, ECOSW, LE, S, STD, XR, XRS; 4-Cyl 1.8 L, 4-Cyl 2.4 L
  Land Cruiser: 2008-2015; 8-Cyl 5.7 L
  Matrix: 2004-2014; CE, LE, S, STD, XR, XRS; 4-Cyl 1.8 L, 4-Cyl 2.4 L
  Tacoma: 2005-2014; 4-Cyl 2.7 L, 6-Cyl 4.0 L
  Yaris S, Yaris Base: 2007-2011; 4-Cyl 1.5 L
  Vios: After 2014
  Lexus: RX330 2004-2006; 6-Cyl 3.3 L, 6-Cyl 3.5 L
  RX350 2007-2014; 6-Cyl 3.3 L, 6-Cyl 3.5 L
  RX450h 2010-2014; 6-Cyl 3.5 L






VIOS77169-52040


LEXUS RX330(03-)
77144-48020

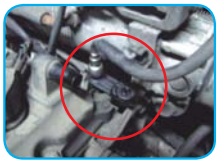

Yaris

H.C.B-A2218 TOYOTA/ NISSAN OIL TUBE REMOVER

TOYOTA/ NISSAN 汽油管拆卸器

- Application: Toyota, Nissan injector tube



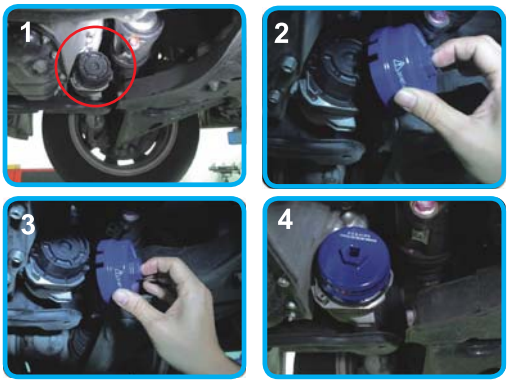




H.C.B-B1370 TOYOTA OIL FILTER WRENCH (Dr. 3/8", 14 POINTS, 64.5 mm)

TOYOTA 機油芯扳手 (Dr. 3/8", 14 角 , 64.5 mm)





- Size: Dr. 3/8" × H24, 14 POINTS, 64.5 mm
- Combined with a 24 mm or 15/16" socket.
- Application: Allion, Auris, Corolla axio, Corolla fielder, Corolla rumion, Isis, Ist, Noah, Premio, Prius, Voxy, Wish
- Caution: Please use 27 mm socket with a wrench to manipulate the tool when the torque is over 25 Nm, otherwise the tool will risk being broken.
- The force of torque is under 25 Nm if the tool is operated with a wrench.

H.C.B-B1167 TOYOTA DIESEL FUEL WRENCH SOCKET (FLUID RESERVOIR ON CONDENSER) (17 mm)

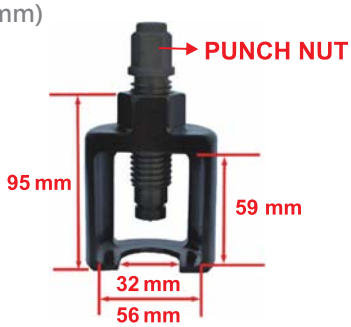
TOYOTA 柴油冷凝器貯油槽套筒扳手 (17 mm)



H.C.B-A1177 TOYOTA ZACE/DAF BALL JOINT EXTRACTOR (32 mm)

TOYOTA 瑞獅 /DAF 方向機主機球頭拔卸器 (32 mm)

- For the removal of the track rod end from the drag link.
- On car maintenance.
- Best tool for removal light truck ball joint.
- Easy to use and can save time and money.
- Application:
  TOYOTA ZACE commercial and DAF wagon.





DAF



TOYOTA

Technical information

- Make sure the propeller shaft dimension or specification is correct while installing.
- Pay attention to propeller shaft removal and installation. No impact, crack, and damage are allowed.
- The ball-joint may suddenly break up from the tie-rod end, so the nut and bolt must have at least 4 to 5 teeth installed, otherwise it may cause casualties.
- Use a hammer to hit the punch nut on the tool in order to separate the ball-joint.

H.C.B-A1503 TOYOTA HIACE AXLE EXTRACTOR PAT.M253503

TOYOTA HIACE 輪軸拔卸器

- This kit can quickly push the axle out of the hub, and remove the hub.
- P.C.D: Ø 130 ~ 160 mm
- Application:

Ø	Brand of car	Size
130	BENZ, AUDI, PROSCHE	5 HOLES
130	VW, FORD TRANSIT, BENZ	4 HOLES
139.7	VW, FORD TRANSIT, BENZ	4 HOLES
140	BENZ	5 HOLES
160	FORD TRANSIT, BENZ	4HOLES







No.	Description	Specification	Q'TY	Remark
1	Extractor	D:Ø185x111L	1	D:Ø57x14UNC
2	Screw	D:Ø57x14UNCx36L	1	D:M24xP1.5
3	Bolt	M24xP1.5x185L	1	H19
4	Mandrel	Ø 25x30L	1	
5	Washer	M12x t2	6	
6	Nut	D:M12xP1.5	6	H19

H.C.B-B1354 TOYOTA (4WD / PRERUNNER) FRONT LOWER SUSPENSION ARM BUSH EXTRACTOR / INSTALLER

TOYOTA (4WD / PRERUNNER) 前三角架控制臂鐵套拆裝組



- Remove the nuts and washers of bushes in two sides.
- Application: TOYOTA HIACE. VIGO of bushes in two sides.

The Whole Body



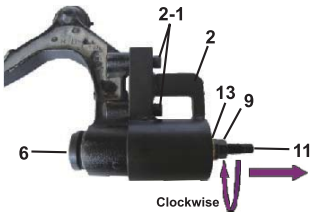
No.	Description	Qty
1	L138 TY22 x P3.0	1
2	ϕ79.5 x L100	1
2-1	Hexagon screw M12 x P1.25 x L50	2
3	ϕ67 x L40	1
4	ϕ68.5 x L20	1
5	ϕ58.5 x L43	1
6	ϕ54 x L15	1
7	ϕ44 x L15	1
8	ϕ69 x L12	1
9	M14 x P2.0 bowl nut	1
10	M20 x P1.5 x L267	1
11	M14 x P2.0 x L240	1
12	Bearing 2904	1
13	Bearing 51103	1

Install Small Bush: Step 1



Put the central rod back and set the bushes, then fasten he nuts and washers.

Extract Big Bush: Step 1

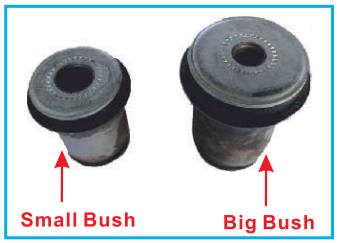


Fix B1345-2 on big bush by B1345-2-1 and then pull it out.

H.C.B-A1354 ON CAR TOYOTA (4WD / PRERUNNER) FRONT LOWER SUSPENSION ARM BUSH EXTRACTOR / INSTALLER

TOYOTA (4WD / PRERUNNER) 前三角架控制臂鐵套拆裝組

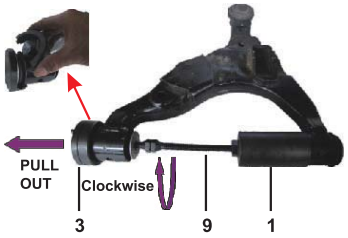




The Whole Body



Extraction step 1: Remove Big Bush



Fix A1354-3 on front of the big bush, and add A1354-1 & A1354-9 on the other side. Turn the tools clockwise and pull the big bush out.

■ Application: Land Cruiser Prado

No.	Description	Qty
1	ϕ71 x L130	1
2	ϕ63 x L130	1
3	ϕ84 x L32	1
4	ϕ74 x L32	1
5	ϕ72 x L26	1
6	ϕ71 x L27	1
7	ϕ63 x L26	1
8	ϕ62.5 x L24	1
9	M14 x P2.0 x L344	1
10	M14 x P2.0 x L180	1
11	M14 x P2.0 bowl nut	1
12	Bearing 51103	1

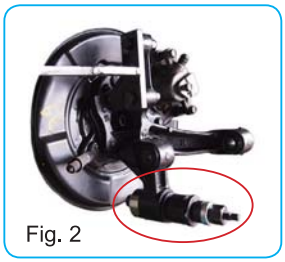
H.C.B-A1573 ON CAR TOYOTA CAMRY REAR AXLES BUSH REMOVAL/ INSTALLATION TOOL KIT

TOYOTA CAMRY 後仰角鐵套拆裝工具組

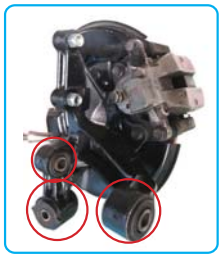
■ Designed for replacing the three bushes of TOYOTA CAMRY rear axles.



Remove the under bush.

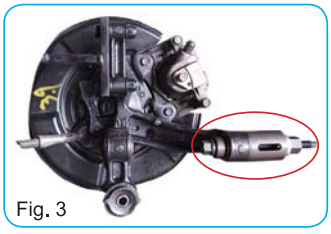


Install the under bush.

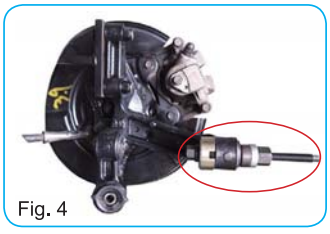


TOYOTA CAMRY REAR AXLES BUSH

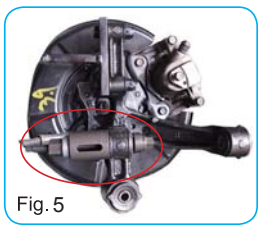




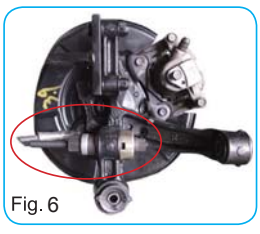
Remove the right bush.



Install the right bush.



Remove the left bush.



Install the left bush.

H.C.B-A1852 NEW LEXUS G300 REAR AXLE BUSH REMOVAL/ INSTALLATION TOOL

LEXUS G300 後仰角鐵套拆裝工具

- Special designed for replacing the rear axle mounting bushes, while in suit on the vehicle and without the need for removing the rear axle assembly.
- It's fine thread and thrust bearing allows the bush to be fitted quickly and easily without causing damage.
- Bush number: TB124Z (big), TB123 (smaller)
- Application: LEXUS G300

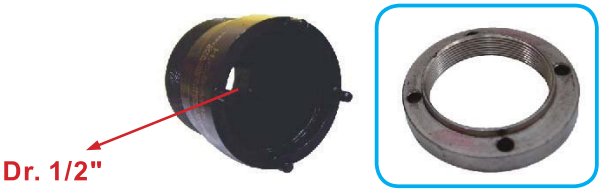




H.C.B-A1457 TOYOTA HIACE FRONT WHEEL BEARING NUT SOCKET

TOYOTA HIACE 前輪軸承螺帽套筒

- This tool can remove front wheel bearing nut.
- Four pins design
- Application: Toyota HIACE car (After 2006 years ~)



H.C.B-A1623 TOYOTA (VOXY/VELLFIRE/ALPHARD/ESTIMA/CAMRY/HARRIER/NOAH/ PREVIA/MARK II /ISIS/WISH/PICNI) REAR-AXLE SUSPENSION BUSH REMOVER/ INSTALLER PAT. M534073, M535162

TOYOTA (VOXY/VELLFIRE/ALPHARD/ESTIMA/CAMRY/HARRIER/NOAH/ PREVIA/MARK II /ISIS/WISH/PICNI) 後橋懸掛鐵套拆裝工具組

- This tool kit is designed to remove and install the bush of Toyota rear-axle suspension.
- **Applications:**
  TOYOTA VOXY/VELLFIRE/ALPHARD/ ESTIMA/CAMRY/HARRIER/NOAH/ PREVIA/MARK II /ISIS/WISH/PICNI







Toyota rear-axle



Rear-axle suspension bush
OEM No.:48725 – 28050 - S

Removal:



Installation:



H.C.B-B1623

NEW

TOYOTA (VOXY/ VELLFIRE/ ALPHARD/ ESTIMA/ CAMRY/ HARRIER/ NOAH/ PREVIA/ MARK II / ISIS/ WISH/ PICNI/ ALTIS/ COROLLA/ VIOS/ VITZ) REAR-AXLE SUSPENSION BUSH REMOVER/ INSTALLER PAT. M534073, M535162, M551553

TOYOTA (VOXY/ VELLFIRE/ ALPHARD/ ESTIMA/ CAMRY/ HARRIER/ NOAH/ PREVIA/ MARK II / ISIS/ WISH/ PICNI/ ALTIS/ COROLLA/ VIOS/ VITZ) 後橋懸掛鐵套拆裝工具組



- **Function:**
  This tool kit is designed to remove and install the rear-axle suspension bush of Toyota MPV, and Corolla.
- **Application:** TOYOTA VOXY/ VELLFIRE/ ALPHARD/ ESTIMA/ CAMRY/ HARRIER/ NOAH/ PREVIA/ MARK II / ISIS/ WISH/ PICNI/ ALTIS/ COROLLA/ VIOS/ VITZ



Removal of TOYOTA ALTIS bush



Installation of TOYOTA ALTIS bush





(選購)
Optional:
B1623-13-5

Optional part can work on:
Toyota Alphard/Vellfire H20 Second generation (AH20; 2008–2015)
Toyota Estima Third generation (XR50; 2006 -)



Previa/Alphard
Rear-axle suspension bush
OEM No.:
48725 – 28050 - S



Corolla/ Altis
Rear-axle suspension bush
OEM No.:
48725 – 12570



Vitz/Yaris/Vios
Rear-axle suspension bush
OEM No.:
48725 – 0D040

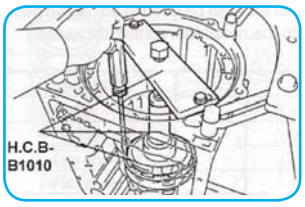
VIDEO

H.C.B-B1010

TOYOTA/LEXUS AUTOMATIC TRANSMISSION CLUTCH SPRING COMPRESSOR

TOYOTA/LEXUS 自動變速箱離合器壓板拆裝工具





H.C.B-C1010

TOYOTA/LEXUS AUTOMATIC TRANSMISSION CLUTCH SPRING COMPRESSOR (FOUR TEETH)

TOYOTA/LEXUS 自動變速箱離合器壓板拆裝工具 (4 齒)

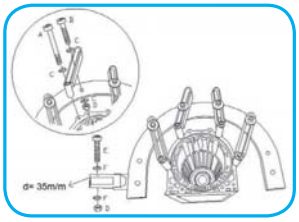
- Conjunction with B1010.
- Application: TOYATA, LEXUS.



H.C.B-A1097-5 TOYOTA LEXUS TRANSMISSION HOLDING BASE

TOYOTA LEXUS 變速箱拆裝架





- Transmission fixing base sub-assy which can turn the transmission 360° for dismantling and assembling the transmission in different angles.
- Accessory: C type fixed base × 1, slide fixed lever (adjustable to different size of transmission) × 4 sets, screw × 4 pcs.
- Notice: Conjunction with any K/ D rack of the three: H.C.B-A1097, H.C.B-A1117, H.C.B-A1157.
- Application: Front wheel drive car , such as TOYOTA, LEXUS……, etc.

H.C.B-A1426 TOYOTA、SUBARU、DAIHATSU OIL FILTER WRENCH (Dr. 1/2", 14 POINTS, 65.5 mm)

TOYOTA 、SUBARU、DAIHATSU 機油芯扳手 (Dr. 1/2" , 14 角 , 65.5 mm)



- Size: Dr. 1/2", 14 POINTS, 65.5 mm
- Application :
  TOYOTA , SUBARU Justy and DAIHATSU Sirion.

H.C.B-A5011 A/C SPRING DISCONNECT TOOLS FOR TOYOTA

TOYOTA 冷氣管路拆卸器





- Special design for removing the spring lock coupling in A/C system
- Two tools in a set for the different size of coupling.
- Application: TOYOTA after 2000.

H.C.B-B5011 A/C SPRING LOCK COUPLING TOOLS FOR TOYOTA

TOYOTA 冷氣管路固定夾



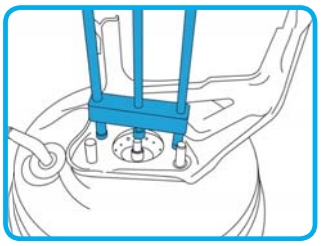
- These tools are spring-loaded to close them to deflect any spray that occurs when the line is disconnected.
- Application: TOYOTA after 2000.

H.C.B-A1762 NEW TOYOTA BRAKE BOOSTER PUSH ROD GAUGE

TOYOTA 煞車增壓器推桿量規

- Assists technicians in properly adjusting the brake booster push rod.
- Application: TOYOTA/ LEXUS
- OEM no. ref.: 09737-00013-01





H.C.B-B1762 NEW TOYOTA BRAKE BOOSTER PUSH ROD GAUGE

TOYOTA 煞車增壓器推桿量規

- Application: TOYOTA/ LEXUS
- OEM no. ref.: 09737-00020-01



HWANG CHERNG BIN H.C.B

SINCE 1990

018

HWANG CHERNG BIN

Specialty Tools Inc.



一般修護工具 底盤

GENERAL CHASSIS REPAIR TOOL







H.C.B-A1005 ROLLER STITCHER PAT.155302

輪胎補胎修補器 (專利品)

- Durable steel handle and bearing inside make operation easier.
- N.W.: 0.35 KGS







H.C.B-A1006 ROLLER STITCHER PAT.155302

輪胎補胎修補器 (專利品)

- Durable steel handle and bearing inside make operation easier.
- N.W.: 0.31 KGS





H.C.B-A1007 ANGLE ADJUSTER

仰角校正器




Step1


Step 2


Step 3


Step 4 with mercury gauge

H.C.B-A1007-8-6 6 HOLES CONVEX PLATE

六孔凸型盤

- With 4 pcs alignment plates.
- Hydraulic function.
- Application: most of cars.
- The purpose of wheel alignment is to reduce tire wear, improve fuel economy and handling, while increasing driving enjoyment and safety by properly adjusting the angles of the wheels, suspension system, and steering system.
- Combined with H.C.B-A2057.



OPTIONAL : H.C.B-A1007-8-6 FOR TOYOTA
(選購)

H.C.B-A2311 WHEEL ALIGNMENT

四輪定位儀

- Fits 14” to 22” wheels.
- Quick alignment check and easy to use.
- Adjustable to any surface.





H.C.B-A2057 SIMPLE MERCURY GAUGE (6°)

簡易式水銀錶 (6°)

25 / 10.5 / 11.5 / 1.67'





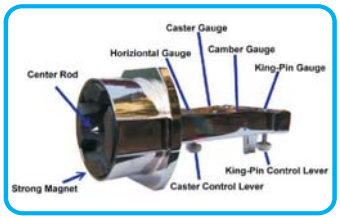
- It has a simple leveling adjustment of +/-6°.
- Housed in a durable, non-magnetic casting with a magnetic head that attaches firmly to rotors or spindles.
- It’s a time and money saving device which returns a strut to its original camber after repair or replacement.
- Measure camber change before reinstalling and alignment heads during camber kit installation.
- Check the amount of camber change before reinstalling tire and wheel assemblies on trucks receiving offset alignment bushings.

H.C.B-A2175 GAUGE FOR CAMBER, CASTER & KING PIN

大王銷檢查表

6 / 21 / 22 / 1.6'





- Specifications:
  Dimension: 230 mm in length × 90 mm in width
  Camber: -5° ～ +5°
  Caster: -3° ～ 0 ～ 10°
  King Pin: 0° ～ 16°
  Weight: 1.7 KG
- Conjunction with TURNTABLE, you can easily and rapidly measure correct angles of CAMBER, CASTER and KING PIN and a rotation angle of STEERING WHEEL.
  Moreover, when the angle of CAMBER and CASTER has been changed simultaneously, you can get the best suited WHEEL ALIGNMENT angle adjusted by the manufacturer because you can read the change of each angle at the same time.

H.C.B-A1060 SSANGYONG BUSH EXTRACTION/ INSTALLATION TOOL KIT

中華昇陽三角架鐵套拆裝工具組

- Used for R&R of rear wheel bearing located in wheel carrier.
- This tool can also be used for installing the rear axle shaft flange.
- Application: SSANYOUNG.
- N.W.: 6.4 KGS G.W.: 6.6 KGS





H.C.B-A2202 FENDER ROLLER TOOL

輪弧擴張器

2 / 17 / 18 / 2'

- Enlarge fender for replacing larger and winder tire.
- Fender rolling for dent car.
- Universal type for 3, 4, 5 lugs wheel.





H.C.B-A2202

H.C.B-A1026 AXLE BEARINGS EXTRACTION/ INSTALLATION TOOL KIT

仰角培林拆裝組

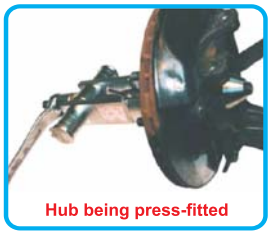
4 / 21.2 / 23.2 / 1.64'

- To install and remove the outer races from hub (wheel) bearings as well as for hub press-fitting. This screw-type puller eliminates the need of presses and slide hammers.
- Application: BENZ, BMW, TOYOTA, FORD, MITSUBISHI.....etc.

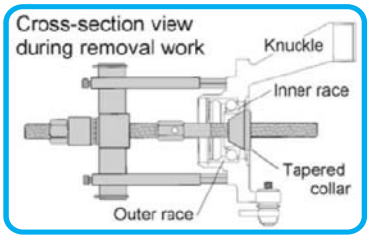


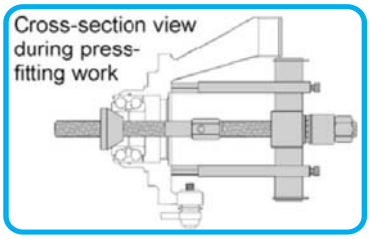












This puller is designed exclusively for unit-Type bearing races (used in most of today's vehicles). (Hub insertion is also possible with detachable types.

H.C.B-A1056 SOCKET TOOL (FOR FWD ONLY)

中華百利 800 c.c. 四輪傳動專用套筒

- Socket reversed for the use of FWD to remove and install the hub.
- N.W.: 0.56 KGS





H.C.B-A1086

DUST SHIELD INSTALLER

防塵套張力擴張器

10 / 17.2 / 20 / 3.02'

- This tool is designed to extend the dust shield to install into the propeller shaft.



H.C.B-A1086-1

DUST SHIELD KIT

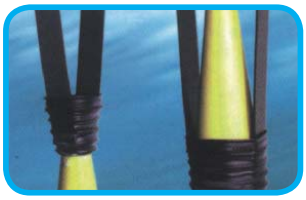
可擴性張力防塵套

30 / 7.5 / 10.1 / 1.75'

- Extendable dust shield can fit most kinds of propeller shaft.













H.C.B-A1086-3

STEERING KNUCKLE DUST SHIELD KIT

方向機防塵套



H.C.B-A1086-4

STEERING KNUCKLE DUST SHIELD INSTALLER

方向機防塵套擴張器



H.C.B-A1057 NISSAN, SUZUKI SOCKET TOOL (FOR FWD ONLY)

NISSAN, SUZUKI 四輪傳動專用套筒

- Socket reversed for the use of FWD to remove and install the hub.
- Application: NISSAN, SUZUKI
- N.W.: 0.6 KGS



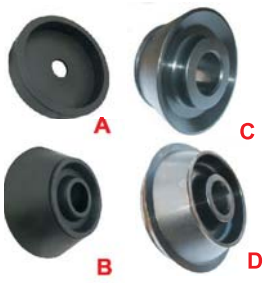


H.C.B-A1084 MITSUBISHI WAGON (CANTER) WHEEL BALANCE ADJUSTER

三菱卡車 (堅達) 校輪盤

- This tool is designed to adjust bigger wheel that the wheel balancer's original option can't do.

Item No.	d (mm)	Applicable Balancers	Applicable Car
H.C.B-A1084-A	185x180	CEMB, HOFFMAN, FAIP, CORGHI, HUNTER, BEISSBARTH	MITSUBISHI CANTER
H.C.B-A1084-B-36H	36	CEMB, BOSCH	MITSUBISHI CANTER
H.C.B-A1084-B-38H	38	FAIP, CORGHI	MITSUBISHI CANTER
H.C.B-A1084-B-40H	40	HOFFMAN, HUNTER, BEISSBARTH	MITSUBISHI CANTER
H.C.B-A1084-C	40	HOFFMAN, HUNTER, BEISSBARTH	JEEP
H.C.B-A1084-D	40	HOFFMAN, HUNTER, BEISSBARTH	MITSUBISHI CANTER





H.C.B-A1374 UNIVERSAL WHEEL BALANCE ADJUSTER

多功能校輪盤

- To align the wheel when changing new ones.
- Application:

ø	Brand of car
100	Toyota, Seat, Audi, Skoda
108	Volvo, Lancia Gamma, Citroen MX
112	Ford, Audi, Benz, BMW
114.3	Mitsubishi, Mazda, Toyota, Nissan, Honda
120	BMW, Opel
139.7	VW, Ford Transit, Benz
160	Ford Transit, Benz

No.	d1	d2
A1374-A	Ø36	Ø36
A1374-B	Ø38	Ø38
A1374-C	Ø40	Ø40



H.C.B-B1374 UNIVERSAL WHEEL BALANCE ADJUSTER

多功能校輪盤

- To align the wheel when changing new ones.
- Application:

ø	Brand of car
98	Alfa Romeo 164, Citroen CX, Lancia Thema 8.32
110	Opel, Saab
118	Ducato, Peugeot, Citroen
120.65	Jaguar, GMC, Maseati, Chevrolet
127	GMC, Rover, USA cars, Jaguar
130	Benz, Audi, Prosche
140	Benz



No.	d1	d2
B1374-A	Ø36	Ø36
B1374-B	Ø38	Ø38
B1374-C	Ø40	Ø40



H.C.B-C1374 UNIVERSAL WHEEL BALANCE ADJUSTER

多功能校輪盤

- To align the wheel when changing new ones.
- Application:

ø	Brand of car
98	Fiat, Lancia, Alfa Romeo, autobianchi, Talbot, Lada, Skoda
100	BMW, Opel, Audi, Volvo, VW, Toyota, Honda, Nissan
108	Ford, Audi, Alfa Romeo, Citroen BX, Maserati
110	Mazda 323, Mazda 606
114.3	Mitsubishi, Daihatsu, Mazda, Saab, Toyota, Suzuki, Nissan, Ford USA, Honda, Hyundai
120	Honda, Mazda
130	VW, Ford Transit, Benz



No.	d1	d2
C1374-A	Ø36	Ø36
C1374-B	Ø38	Ø38
C1374-C	Ø40	Ø40



H.C.B-A1870 NEW BALL JOINT DUST COVER INSTALLER

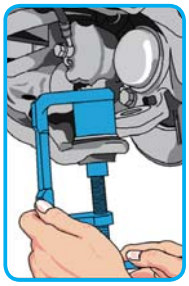
球接頭防塵套安裝工具

- Special design exterior to install the boots easily. With 9 different size sockets available to used on most vehicle.
- Size: 32,34,36,38,40,42,44,50,53 mm

NO.	ID (mm)	OD(mm)	Application(mm)
2	32	38	Ø25.8~Ø27.7
3	34	40	Ø27.8~Ø29.7
4	36	42	Ø29.8~Ø31.7
5	38	45	Ø31.8~Ø33.7
6	40	46	Ø33.8~Ø35.7
7	42	50	Ø35.8~Ø37.7
8	44	50	Ø37.8~Ø39.7
9	50	58	Ø43.8~Ø45.7
10	53	60	Ø46.8~Ø48.7







H.C.B-A1096 EXPELLER BELL FOR HUB EXTRACTION (HYDRAULIC) PAT. M 253503

油壓輪軸拆卸組

2 / 21.8 / 22.8 / 0.77'

- Expeller for hub extraction with mechanical spindle includes 5 conical washers.
- P.C.D. rage from Ø 96 – 126 mm
- 4H: HONDA ACCORD, TOYOTA, MITSUBISHI, most Japanese vehicles.
- 5H: BENZ and BMW, most European vehicles.
- Hydraulic Cylinder Pressure: 10 tons
- Material of main body: SCM 440
- Hardness: HRC 35° ~ 40°







Optional: H.C.B-B1129
(選購)

H.C.B-A1095-4H EXPELLER BELL FOR HUB EXTRACTION (4 HOLES)

輪軸拔卸器 (4 孔)

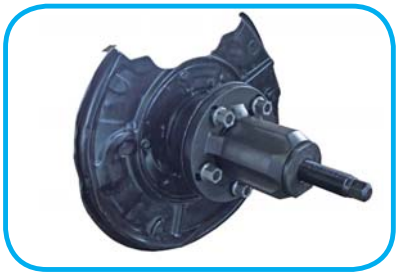
4 / 15.48 / 17.2/ 1.6'



H.C.B-A1095-4H



H.C.B-A1095-5H



H.C.B-A1095-5H EXPELLER BELL FOR HUB EXTRACTION (5 HOLES)

輪軸拔卸器 (5 孔)

4 / 12.7 / 17/ 1.6'

- Expeller for hub extraction with mechanical spindle includes 4 or 5 conical washers.
- P.C.D. ranges from diameter 96 - 126 mm
- 4H: HONDA ACCORD, TOYOTA, MITSUBISHI, most Japanese vehicles.
- 5H: BENZ and BMW, most European vehicles.
- Material of main body: SCM 440
- Hardness: HRC 35° ~ 40°

H.C.B-B1503 UNIVERSAL AXLE EXTRACTOR (SLIDE HAMMER) PAT.M253503

通用輪軸拔卸器 (滑鎚式)

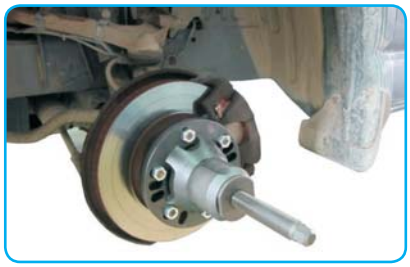
- This kit can quickly push the axle out of the hub, and remove the hub.
- P.C.D: Ø 130 ~ 160 mm.
- Application:

Ø	Brand of car	Size
130	BENZ,AUDI,PROSCHE	5 HOLES
130	VW,FORD TRANSIT,BENZ	4 HOLES
139.7	VW,FORD TRANSIT,BENZ	4 HOLES
140	BENZ	5 HOLES
160	FORD TRANSIT,BENZ	4 HOLES



- Specification:

No.	Description	Specification	Q'TY	Remark
1	Multi-hole Plate	D:Ø185x111L	1	d: ϕ 57x14UNC
2	Nut	D:Ø 57x14UNCx36L	1	d:M24xP1.5
3	Bolt	M24xP1.5x185L	1	H19
4	Mandrel	Ø25x30L	1	
5	Washer	M12x t2	6	
6	Nut	d:M12xP1.5	6	H19
7	Hand bar	Ø61x660L	1	D:5/8"x10UNC
8	Nut	D:5/8"x10UNC	1	H24
9	Slide hammer	90x168L	1	
10	Nut	D: Ø 57x14UNCx36L	1	d:5/8"x10UNC

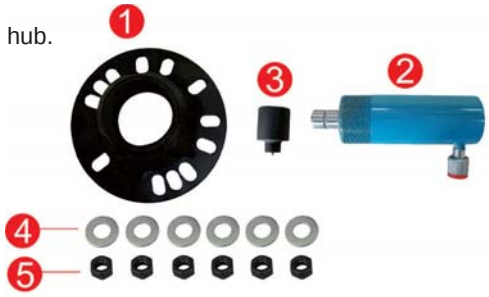


H.C.B-C1503 UNIVERSAL AXLE EXTRACTOR (HYDRAULIC) PAT.M253503

通用輪軸拔卸器 (液壓式)

- This kit can quickly push the axle out of the hub, and remove the hub.
- P.C.D: Ø 130 ~ 160 mm
- Application:

∅	Brand of car	Size
130	BENZ,AUDI,PROSCHE	5 HOLES
130	VW,FORD TRANSIT,BENZ	4 HOLES
139.7	VW,FORD TRANSIT,BENZ	4 HOLES
140	BENZ	5 HOLES
160	FORD TRANSIT,BENZ	4 HOLES



- Specification:

No.	Description	Specification	Q'TY	Remark
1	Multi-hole Plate	D: ∅185x111L	1	d:∅57x14UNC
2	Hydraulic	10tons	1	D:∅57x14UNC
3	Mandrel	D: ∅38x59L	1	d:∅ 7/8"
4	Washer	M12x t2	6	
5	Nut	d:M12xP1.5	6	H19



H.C.B-A2037 HUB SLIDE HAMMER PULLER (5 HOLES)

前後軸通用倒盾組 (5 孔)

3 / 18.9 / 20.9 / 2.4'



- Pull flange-type rear axles on most latest model passenger cars & light truck.
- Designed to fit axles with bolts & studs up to 5/8" TW10 DIA.

H.C.B-B2037 HUB SLIDE HAMMER PULLER (5 HOLES)

前後軸通用倒盾組 (5 孔)

4 / 27.5 / 29.8 / 2.21'



H.C.B-C2037 PROPELLER SHAFT HAMMER PULLER (ROPE)

前後軸通用倒盾組 (鋼索式)



H.C.B-A2040 HUB SLIDE HAMMER PULLER (4 HOLES)

前後軸通用倒盾組 (4 孔)

- Pulls 4 bolts front hub easily with the 10 LB slide hammer.
- Heavy duty tool for rugged jobs.



H.C.B-B2040 HUB SLIDE HAMMER PULLER (4 HOLES)

前後軸通用倒盾組 (4 孔)



H.C.B-A2041 FRONT WHEEL DRIVE AXLES PULLER

傳動軸倒盾組 (方形盤)

- Simply secure shaft through opening in adapter to remove the half shaft from CV joints on most FWD vehicles.



H.C.B-B2041 FRONT WHEEL DRIVE AXLES PULLER

傳動軸倒盾組 (方形盤)



H.C.B-A1116-36H ALUMINUM RETAINING RING ADJUSTMENT TOOL (CEMB)

鋁圈校正器 -36H



H.C.B-A1116-38H

ALUMINUM RETAINING RING ADJUSTMENT TOOL (FAIP, CORGHI)

鋁圈校正器 -38H



- Set of wheel back centering bushing

B1: Bushing Ø 56.5-57 (1)
B2: Bushing Ø 65-67 (2)
B3: Bushing Ø 73.2-75,4 (3)
B4: Bushing Ø 63.3-64 (4)
B5: Bushing Ø 58-60 (5)
B7: Bushing Ø 56-54 (7)
(1) AUDI, BMW, CHRYSLER, OPEL, SEAT, VW.
(2) AUDI, CITROEN, HYUNDAI, LANCIA, MASERATI, MAZDA.
MERCEDES, MITSUBISHI, NISSAN, OPEL, PEUGEOT, SAAB, VOLVO.
(3) BMW, PORSCHE.
(4) FORD, HONDA, ROVER.
(5) ALFA ROMEO, CITROEN, FIAT, LADA, MASERATI, MAZDA, PEUGEOT, RENAULT, SEAT, SKODA, TOYOTA.
(6) CITROEN, DAIHATSU, HONDA, KIA, MAZDA, MITSUBISHI, PEUGEOT, ROVER, SUBARU, TOYOTA.

H.C.B-A1116-40H

ALUMINUM RETAINING RING ADJUSTMENT TOOL (HOFFMAN, HUNTER)

鋁圈校正器 -40H







H.C.B-A1163

MITSUBISHI GALANT REAR AXLES BUSH REMOVER/INSTALLER PAT. PENDING

三菱 GALANT 後半角鐵套拆裝工具組

10 / 13.3 / 14.3 / 1.55'

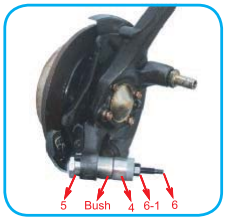
- Removal and replacement tool for metallic bushes on rear axles for MITSUBISHI GALANT.
- This tool incorporates an axial bearing and also incorporates a pressure piece which guarantees the correct position of the new metallic bushes when replaced.
- Application: MITSUBISHI GALANT.







Removal



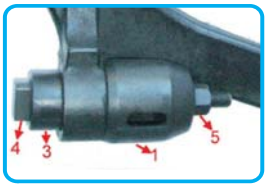
Installation

H.C.B-A1173 PEUGEOT (406) BUSH EXTRACTION/ INSTALLATION TOOL KIT

標緻 (406) 三角架鐵套拆裝器







EXTRACTOR



INSTALLER

H.C.B-A1191 UNIVERSAL BALL JOINT SEPERATOR (22 mm)

萬用球接頭拆裝工具組 (22 mm)(橫拉桿)

- For splitting track-rod, anti-roll bar, ball joints etc., especially in small space conditions.



H.C.B-A1194 UNIVERSAL BALL JOINT SEPERATOR (20 mm)

立式橫拉桿球頭拔卸器 (20 mm)

- It is good to use with powerful structure.
- Stand design to solve the space problem.
- Jaw open: 20 mm.



H.C.B-A1192 JEEP WRANGLER FRONT SUB-FRAME BALL JOINT EXTRACTOR / INSTALLER

吉普藍哥前三角架球接頭拆裝工具組

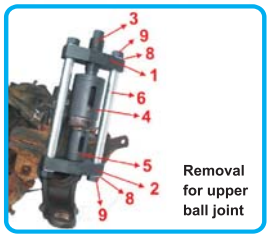
- Application: Jeep Wrangler.



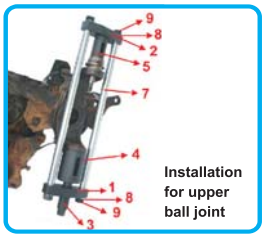
Wrangler Ball Joint



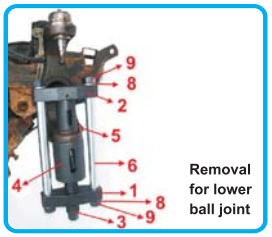




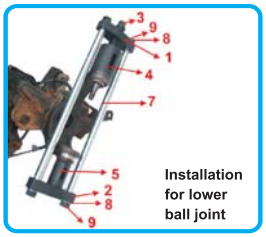
Removal for upper ball joint



Installation for upper ball joint



Removal for lower ball joint



Installation for lower ball joint

H.C.B-B1192 JEEP WRANGLER FRONT SUB-FRAME BALL JOINT EXTRACTOR/ INSTALLER (ACCESSORY)

吉普藍哥前三角架球接頭拆裝工具組 (配件)



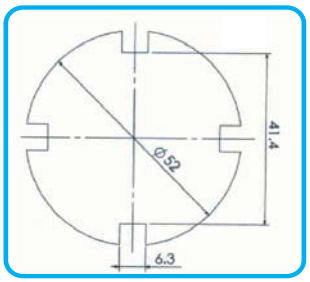


H.C.B-A1254 PEUGEOT BALL JOINT SOCKET (Dr. 1/2", 4 TEETH, 52 mm)

標緻球接頭拆裝套筒 (Dr. 1/2", 4 齒 , 52 mm)







H.C.B-B2122 BALL JOINT SEPARATOR (19 mm)

橫拉桿球接頭拔卸器 (19 mm)

- High grade (Cr-Mo) alloy steel for maximum strength.
- Fit many domestic and imported front wheel drive vehicles.
- Removable pin fits into two pivot points for versatility.
- Accept a 3/4" socket or wrench.
- Jaw open: 19 mm.
- With safety rope to avoid drop while operating.





H.C.B-C2122 BALL JOINT SEPARATOR (NARROW TYPE)

橫拉桿球接頭拔卸器 (窄版)

- High grade (Cr-Mo) alloy steel for maximum strength.
- Fits many domestic and imported front wheel drive vehicles.
- Removable pin fits into two pivot points for versatility.
- Accepts a 7/8" socket or wrench.
- The mini operation space: 6-7 mm.
- Jaw open: 19 mm.
- Have safety rope to avoid drop while operating.





H.C.B-A2308 HYDRAULIC BALL JOINT SEPARATOR (8 TONS)

油壓球接頭拔卸器 (8 噸)

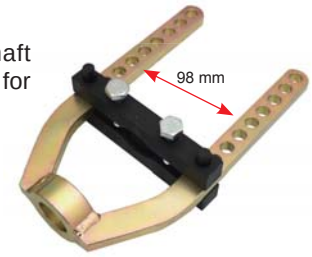
- Hydraulic ball joint separator: 8 tons
- Jaw opening 56 mm, Jaw width 22 mm, Jaw depth 30 mm
- Fork body Material: SCM 440
- Spindles maximum torque pressure 40 Nm.
- This extra heavy duty ball joint separator is designed to split the most stubborn joint taper with ease.

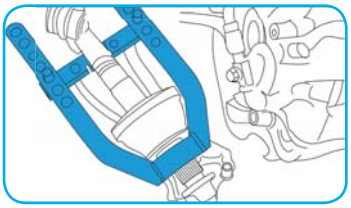


H.C.B-A2321 CV JOINT PULLER

萬向球接頭拔卸器

- Quickly remove the CV joint from the drive shaft without damaging the joint, and keep hands free for releasing retaining circlip.
- Reduce risk of damage to transmission.
- Save on labor time and suitable for most vehicles.





H.C.B-C2321 NEW UNIVERSAL CV JOINT PULLER PAT. M555275

萬向球接頭拔卸器

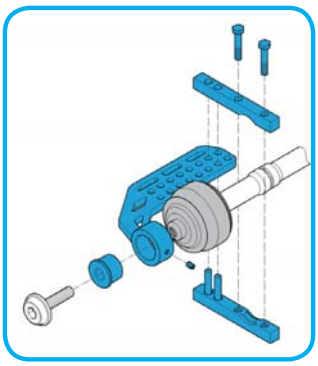
HOT

- Special tool for safe, quick, labor-saving removal of the CV joint for most car models. (With this tool, there is no need wasting time and labor on hammering the CV joint for removal.)
- Smaller size with higher rigidity than the others in the market which allows using this tool in a narrower space.
- Single-side design allows the installation of clamp more easily, and directly.
- A washer is included for using with the original CV joint nut.
- Instead of original CV joint nut, there are 4 types of optional nut for better operation.
- Suitable for both conventional and new-type CV joint removal.



VIDEO



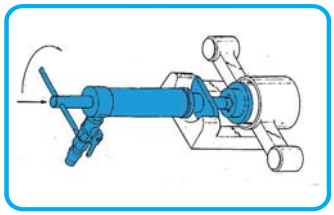


H.C.B-A2044 AIR PRESSURE DISK BRAKE CALIPER RETURN TOOL

氣壓式後輪碟式分泵回復器

- Application:
  TOYOTA, VW, HONDA....., etc.





H.C.B-A2052 METAL T HANDLE RASP EYE TOOL

補胎鑽

- Durable metal T handle.
- Changeable tip design.



H.C.B-A2053 METAL T HANDLE CLOSED EYE TOOL

補胎針

- Durable metal T handle.
- Changeable tip design.



H.C.B-A2071 PEUGEOT/ CITROEN PENTAGON BRAKE SOCKET (19 mm)

標緻 / 雪鐵龍 5 角煞車套筒 (19 mm)

- Application:
  For using on bendix brakes on PEUGEOT and CITROEN vehicles.



H.C.B-A2072 PENTAGON SOCKET BIT FOR GIRLING BRAKES (Dr. 1/2",10 mm)

5 角煞車套筒 (Dr. 1/2", 10 mm)

- For most of vehicles fitting with girling brake systems.
- Chrome vanadium bit holder, correctly hardened, tempered and chrome plated.
- Size: Dr. 1/2", 10 mm



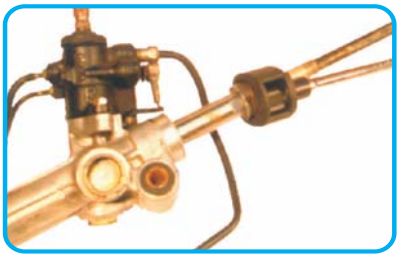
H.C.B-A2079 MULTI-PURPOSE INNER TIE ROD TOOL (33 ~ 42 mm)

方向機舵桿扳手 (通用型) (33 ~ 42 mm)

50 / 27.2 / 28.5 / 0.86'

- The master tie rod tool easily replaces inner tie rod ends without removing the rack and pinion.
- Capacity: 33 - 42 mm





H.C.B-B2079 MULTI-PURPOSE INNER TIE ROD TOOL (36 ~ 42 mm)

方向機舵桿扳手 (36 ~ 42 mm)

50 / 18.7 / 19.4 / 0.74'

- This master tie rod tool easily replaces inner tie rod ends without removing the rack and pinion.
- Capacity: 36 - 42 mm













H.C.B-A2099 FRONT WHEEL DRIVE AXLE PULLER

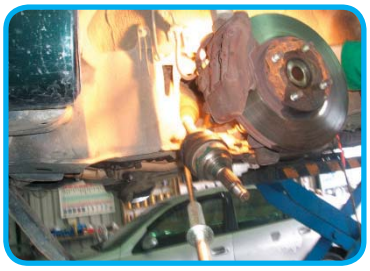
傳動軸滑鎚組 (鋼索式)

- Use the extension and adjustable wire to clip the axle tightly.
- Pull out with the slide hammer easily.











H.C.B-C2079 TRACK ROD END REMOVER/ INSTALLER (35 ~ 45 mm)

方向機舵桿扳手 (35 ~ 45 mm)

H.C.B-D2079 TRACK ROD END REMOVER / INSTALLER (45 ~ 50 mm)

方向機舵桿扳手 (45 ~ 50 mm)

10 / 15 / 16 / 1.8'

Item no.	C2079	D2079
Head application	Ø35-45 mm	Ø45-50 mm
Head OD	Ø89 mm	Ø89 mm
Length	400 mm	400 mm



< H.C.B-C2079 >

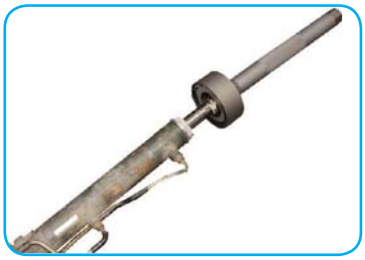

< H.C.B-D2079 >

- Hex part on the end of tool: work with 27 mm hex wrench or Dr.1/2" wrench.
- Function: Remove and replace the axial joint.



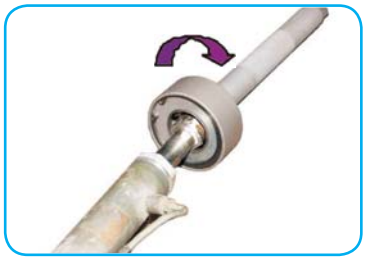
REMOVAL & INSTALLATION

Step 1.
The hollow body allows the track rod to be passed in until the axial joint touches the head part of this tool.



Step 2.
Use a 27mm spanner or Dr.1/2" socket to work the end of this tool, turn it anticlockwise to loosen the axial joint.

Step 3.
Replace a new axial joint and track rod by the same manner as in step2, and turn the tool, clockwise for fastening.



H.C.B-A2088 SUZUKI AXLE NUT SOCKET (8 TEETH)

金吉星傳動軸專用套筒 (8 齒)

- Special design on 8 teeth for suiting the transmission nut.
- Launched after 2000.
- Application: ISUZU modle with 4WD.





H.C.B-C2095

PNEUMATIC HYDRAULIC MACPHERSON SPRING DUMPER COMPRESSOR DE.PAT. 20 2015 107 157 TW PAT. M518188 CE

氣動多功能油壓彈簧避震器拆裝器

Specification:

Height	Length	Width	Upper Base Travel	Lower Base Travel	Weight
1320 mm	690 mm	520 mm	226 mm	240 mm	115 Kg

Function:

This compressor is suitable for the disassembly and maintenance of all kinds of shock absorbers. Moreover, it's very suitable for the stiffer shock absorber of SUV as well. Such as: BMW X5, X6, Mercedes-Benz ML, GL, Audi Q5, Q7, Porsche Cayenne, Lexus RX, Infinity FX SUBARU Forseter & Outback, FORD FOCUS…… etc.

Features:

1. Driven by air pump to save labor and time.
2. Whole new adjustable upper fixing jaw provides stronger holding ability.
3. Safety guard can prevent from danger when operating.
4. Whole new lower supporting base which can support the bottom of the shock absorber.
5. Whole new adjustable stands can fit the ground perfectly to provide the maximum stability.
6. There are wheels and bars behind this compressor which make it more convenient when moving it.
7. The lower fixing base is changeable. It can be changed into lower fixing jaw or lower fixing bracket.

Caution:

Please always keep the safety guard closed to avoid any danger when operating.







No.	Description	Range
1	Fixing Jaw	30 ~ 70 mm
2	Fixing Bracket (Small)	Ø 75 ~ 110
3	Fixing Bracket(Medium)	Ø110 ~ 140
4	Fixing Bracket(Large)	Ø140 ~ 190

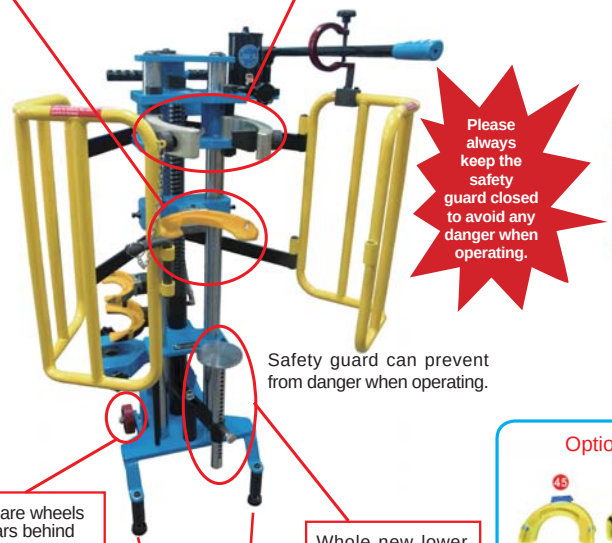
H.C.B-B2095

HYDRAULIC MACPHERSON SPRING DUMPER COMPRESSOR
DE.PAT. 20 2015 107 157 TW PAT. M518188 CE

多功能油壓彈簧避震器拆裝器



No.	Description	Range
1	Fixing Jaw	30 ~ 70 mm
2	Fixing Bracket (Small)	ψ 75 ~ 110
3	Fixing Bracket(Medium)	ψ110 ~ 140
4	Fixing Bracket(Large)	ψ140 ~ 190



Optional (選購)



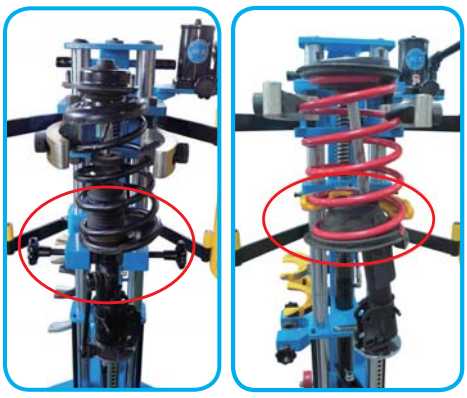
Function:
This compressor is suitable for the disassembly and maintenance of all kinds of shock absorbers. Moreover, it's very suitable for the stiffer shock absorber of SUV as well. Such as: BMW X5, X6, Mercedes-Benz ML, GL, Audi Q5, Q7, Porsche Cayenne, Lexus RX, Infinity FX SUBARU Forseter & Outback, FORD FOCUS……etc.

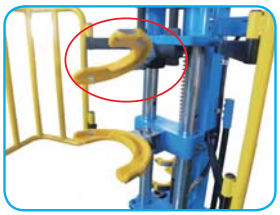




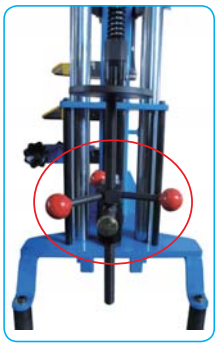
Specification:

Height	Length	Width	Upper Base Travel	Lower Base Travel	Weight
1320 mm	690 mm	520 mm	226 mm	240 mm	115 Kg





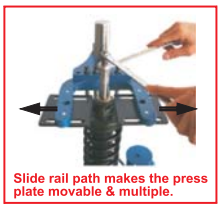
Upper Fixing Base equipped with optional parts (Double fixing brackets)



Lower Supporting Base equipped with optional parts (Continuous Adjustable Base)

H.C.B-A2095 HYDRAULIC MACPHERSON SPRING DUMPER COMPRESSOR

多功能油壓彈簧避震器拆裝器



The metal press plate can be used on the springs which are in high density (smaller clearance).



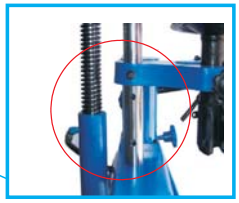
Hooks can be turned 360° and easily take apart shaking-avoid spring.

SAFE
QUICK
STEADY



Multiple function design
Apply to all kinds of shaking-avoid spring

Hydraulic design makes the operation Quick, Safe, & Steady.



This adjustable mechanical design makes this tool applicable to all lengths of the shock absorbers.



With design of adjustable clamp, which can clamp and size of shaking-avoid spring stably to avoid danger when operation.

Specification:

Height	Length	Width	N.W./G.W.	Lead of Press
1255 mm	570 mm	405 mm	57.5 / 73KGS	390 mm

H.C.B-C2184 6 PCS IMPACT SOCKET KIT (Dr. 1/2", MS17&15/17/19/21/22 mm)

6 PCS 輪胎套筒組 (Dr. 1/2", MS17&15/17/19/21/22 mm)

- Material: 15 mm & MS17: CR-V17-19-21-22 mm: CR-MO
- Overall Length: 87 mm
- Hexagon socket: 15-17-19-21-22 mm
- Wheel Lug Socket MS17
- MS17 is specially designed to loosen and tighten the new special wheel bolts found on Mercedes vehicles (17 mm waf).
- Suitable for Mercedes vehicles, such as C-Class / GLK (W204), E-Class (W211, W212, W207), SLK (W172), M-Class (W164, W166), CL-Class (W216), S-Class (W221, W222) and Maybach







H.C.B-A2184 3 PCS THIN WALL DEEP IMPACT SOCKET KIT (Dr. 1/2") (17 mm/19 mm/21 mm)

3 PCS 輪胎套筒組 (Dr. 1/2") (17 mm/19 mm/21 mm)





- The most popular colorful socket are treated by chromate.
- Plastic sleeves protect the aluminum wheels from damaged.
- Heat treatment chamfered ends make the sockets to attach to the nuts easily.
- Non-slip design enforces the adhesion between the nuts and socket.
- Character: Plastic sleeves protect wheels, Durable Cr-Mo Steel avoid slip, high torque design
- Size: 17 mm with blue plastic sleeve
  19 mm with yellow plastic sleeve
  21 mm with red plastic sleeve

H.C.B-B2184 ALLOY WHEEL DEEP IMPACT SOCKET KIT 150 mm (L) (Dr. 1/2", 5 PCS)

氣動輪胎套筒組 150 mm 長 (Dr. 1/2", 5 PCS)

- Anodized Chrome Molybdenum Dr. 1/2" drive sockets.
- Suitable for using with impact tools.
- Feature nylon sleeve and insert to prevent damage to alloy wheels.
- Colour coded sockets for easy size selection.
- Comprise with deep 17, 19 and 21 mm Dr. 1/2" drive sockets, plus spare nylon sleeves



H.C.B-C1461 HYUNDAI/TUCSON WHEEL LUG SOCKET(Dr. 1/2, L: 85 mm, M21)

HYUNDAI/TUCSON 輪胎套筒 (Dr. 1/2, L: 85 mm, M21)

- Plastic insert to protect the surface of the wheel bolts.
- Rotating outside plastic sleeve to protect the rims when screwing the wheel bolts - no aluminium corrosion through prevention of scratches.
- Application: HYUNDAI i30, Tucson and KIA, and HINO truck year 2003~2006 or after year 2010.
- Long design.
- With borehole for locking pin or safety spring and grove for O-ring.
- Total length (for E-Class): 86 mm
- Drive: Square, hollow 12.5 mm (1/2 inch)
- Diameter d2 (drive side): 31 mm
- Genuine no.: 103251, S23401-11840-A

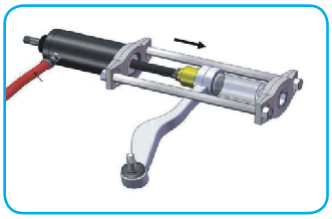


H.C.B-A2183 HYDRAULIC STEERING SYSTEM PRESS TOOL KIT (47 PCS)

萬用型鐵套拆裝組 (油壓式)(47 PCS)

1 / 32.6 / 33.6 / 2.9'





- Hydraulic cylinder provides a quick repair work.
- Press hydraulic pump then turn short accessory into long accessory to disassemble bush, exchange the position of short and long accessories when replacing bush.
- For universal cars
- Max pressure load: 16 tons

H.C.B-B2183 HYDRAULIC BUSH EXTRACTOR (EXTRA LARGER PARTS)

油壓式鐵套拆裝器 (加大配件)

- Allow the combination with hydraulic cylinder of A2183, C2183, D2183.
- 10 parts from (φ 62~ φ 80, in 2 mm increment), 2 pcs per part.

Description	Q'ty	Specification
Long Bush	10	OD x ID(mm) x 110(mm/L) 70x60, 72x64, 74x66, 76x68, 78x70, 80x72, 82x74, 84x76, 86x78, 88x80
Short Bush	10	OD x ID(mm) x 40(mm/L) 70x60, 72x64, 74x66, 76x68, 78x70, 80x72, 82x74, 84x76, 86x78, 88x80



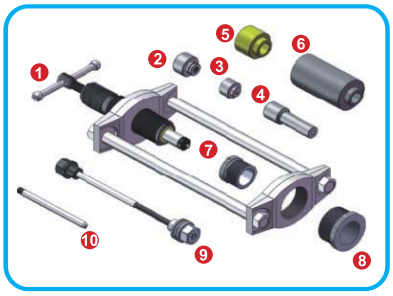
H.C.B-C2183 STEERING SYSTEM PRESS TOOL (57 PCS)

手動式油壓汽車拉桿避震鐵套更換工具 (57 PCS)

1 / 30.6 / 31.6 / 2.9'

Item No.	Description	Q'ty	Specification
C2183-1	Hydraulic Cylinder	1	10 tons
C2183-2	Connect Bush	1	
C2183-3	Pointed Short Bush	1	28mm
C2183-4	Pointed Long Bush	1	95mm
C2183-5	Short Bush	22	OD x ID(mm) x 40(mm/L) 26x18, 28x20, 30x22, 32x24, 34x26, 36x28, 38x30, 40x32, 42x34, 44x36, 46x38, 48x40, 50x42, 52x44, 54x46, 56x48, 58x50, 60x52, 62x54, 64x56, 66x58, 68x60
C2183-6	Long Bush	22	OD x ID(mm) x 100(mm/L) 26x18, 28x20, 30x22, 32x24, 34x26, 36x28, 38x30, 40x32, 42x34, 44x36, 46x38, 48x40, 50x42, 52x44, 54x46, 56x48, 58x50, 60x52, 62x54, 64x56, 66x58, 68x60
C2183-7	Fixing Nut	1	
C2183-8	Fixing Nut	1	
C2183-9	Pull Spindle	4	M10*1.5P, M12*1.75P, M14*2.0P, M16*2.0P
C2183-10	Fixing Spindle	4	M10*1.5P, M12*1.75P, M14*2.0P, M16*2.0P





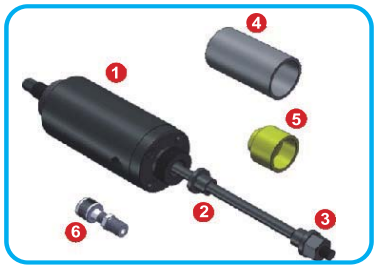
H.C.B-D2183 HYDRAULIC STEERING SYSTEM PULL TOOL KIT (49 PCS)

油壓式汽車拉桿避震鐵套更換工具 (49 PCS)

1 / 30.6 / 31.6 / 2.9'

Item No.	Description	Q'ty	Specification
D2183-1	Hydraulic Cylinder	1	18.2 tons
D2183-2	Pull Spindle	4	Ø10, Ø12, Ø14, Ø16 (mm)
D2183-3	Adjustable Nut	1	
D2183-4	Long Bush	22	OD x ID(mm) x 100(mm/L) 26x18, 28x20, 30x22, 32x24, 34x26, 36x28, 38x30, 40x32, 42x34, 44x36, 46x38, 48x40, 50x42, 52x44, 54x46, 56x48, 58x50, 60x52, 62x54, 64x56, 66x58, 68x60
D2183-5	Short Bush	22	OD x ID(mm) x 40(mm/L) 26x18, 28x20, 30x22, 32x24, 34x26, 36x28, 38x30, 40x32, 42x34, 44x36, 46x38, 48x40, 50x42, 52x44, 54x46, 56x48, 58x50, 60x52, 62x54, 64x56, 66x58, 68x60
D2183-6	3/8" Adaptor	1	





H.C.B-A1416 SUZUKI JIMNY FRONT WHEEL AXLE NUT SOCKET (Dr. 1/2")

SUZUKI JIMNY 仰角前輪輪軸螺帽套筒 (Dr. 1/2")

- To install and remove nut of SUZUKI JIMNY front wheel axle when bearing is broken.
- Due to the special design nut of SUZUKI JIMNY, it is hard to install or remove the nut without this tool.
- Material: SCM440
- It can be used with torque wrench.
- Application: SUZUKI JIMNY front wheel axle.

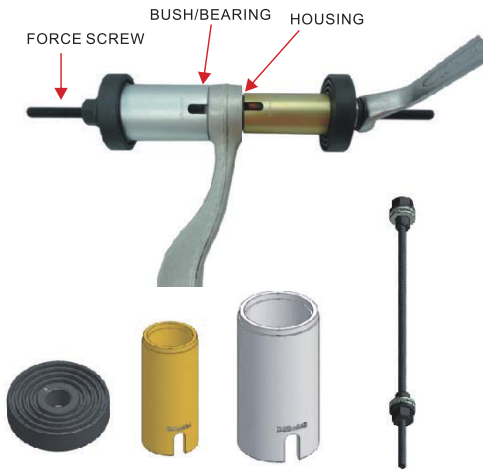


H.C.B-E2183 UNIVERSAL REMOVE AND INSTALL SLEEVE KIT (26 PCS)

汽車拉桿避震鐵套更換組 (全車系)

- Universal purpose bases fit many kinds of different vehicles.
- Easy work to remove and install:
  - Bearing bush
  - Silent bearing
  - Hydraulic bearing
  - Rubber bearing
- Force Screw - L: 450 mm (4 pieces) (with 27 mm HEX nut): M10 x P1.5/M12 x P2.0/M14 x P2.0/M16 x P2.5.
- External Sleeve Diameter.
- Sleeve 'A' (11 pcs) Gold: D44 x d34/D46 x d36/D54 x d44/D56 x d46/D58 x d48/D66 x d56/D68 x d58/D70 x d60/D78 x d68/D80 x d70/D82 x d72.
- Sleeve 'B' (9 pieces) Silver:D48 x d38/D50 x d40/D52 x d42/D60 x d50/D62 x d52/D64 x d54/D72 x d62/D74 x d64/D76 x d66.





H.C.B-A2231 WHEEL HUB NUT SOCKET KIT (Dr. 3/4") (8 PCS)

輪軸螺帽套筒組 (Dr. 3/4'') (8 PCS)

- Suit front wheel hub fasteners on later model vehicles requiring longer sockets for hand to reach the hub nut.
- Bi-Hex Deep
  Impact sockets are 120 mm long with 91 mm clearance.

Double-Hexagon Impact Socket:
24 mm, 27 mm, 30 mm, 32 mm, 36 mm.

Hexagon Impact Bit Socket:
14 mm, 17 mm, 19 mm.



H.C.B-A1445 UNIVERSAL SUSPENSION ARM LEVER PAT.M450505

撬棒

- For removing ball joints, control arms and other suspension components.
- Six adjustment points to get maximum fit and leverage.
- The suspension arm lever is not intended to break the taper of the suspension joint. The joint must be separated from the suspension arm using the appropriate tool and then the lever can be used to facilitate the removal.
- Refer to figure, the fulcrum point (end of suspension arm lever) should be adjacent to the pivot point of the suspension arm.
- Size:
  Overall length: 100 cm (60 cm + 40 cm)
  Inner diameter: 24 cm
  Outer diameter: 30 cm





H.C.B-C1445 UNIVERSAL SUSPENSION ARM LEVER (MULTIPLE) PAT.M450505

撬棒 (多角度)

- For removing ball joints, control arms and other suspension components.
- Eight adjustment points to get the maximum fitness and leverage.
- The suspension arm lever is not intended to break the taper of the suspension joint, the joint must be separated from the suspension arm by using the appropriate tool and then this lever can be used to facilitate removal.
- Refer to figure, the fulcrum point (end of suspension arm lever) should be adjacent to the pivot point of the suspension arm.




Use on TOYOTA


Use on FORD


Use on MITSUBISHI


Use on MITSUBISHI

H.C.B-A3064 MULTI-POSITION PRY BAR KIT (8/12/16")

多角度撬棒 (8/12/16")

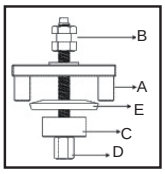
- This 3-pieces pry bar kit is perfect for disassembling lock-rings, bearings, gaskets loosening, body repair……, etc.
- Each pry bar features a lockable swivel joint head which can be adjusted into different positions. This kit is perfect for prying into hard-to-reach areas thanks to the flat finish.
- Contains: 8",12",16"
- Material: Cr-V



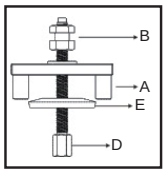
H.C.B-A2234 FORD MONDEO REAR SUB-FRAME BUSH REMOVAL/ INSTALLATION TOOL KIT

FORD MONDEO 後三角架鐵套拆裝工具組

- For removing and installing the bushes on the rear sub-frame.
- Application: FORD MONDEO



To remove old bushes (Part# No ABCDE)



To remove new bushes (Part# No ABDE)



H.C.B-A1467 MITSUBISHI (VIRAGE/ LANCER) REAR TRAILING ARM BUSH REMOVER/ INSTALLER

MITSUBISHI (VIRAGE/ 菱帥) 後游臂鐵套拆裝工具組

- On car maintenance.
- Best tool for the replacement of bushes on MITSUBISHI VIRAGE 1.8 and MITSUBISHI LANCER 1.6.
- Won't damage ABS sensor cable, trailing arm and parts close to bush during maintenance.
- Quick and easy to use which can save time. Within just two minutes, the removal is completed.
- The window indicator is for reference during removal and installation.
- Application: MITSUBISHI LANCER 1.6 (1993 year-2000 year), MITSUBISHI VIRAGE 1.8 (After 2000).





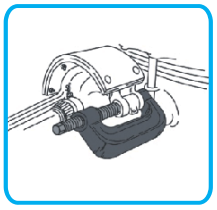


H.C.B-F1168 ON CAR UNIVERSAL BALL JOINT SERVICE KIT PAT. M333280

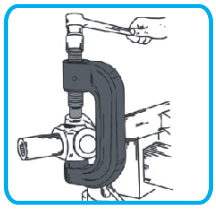
專利型萬象十字接頭拔卸器



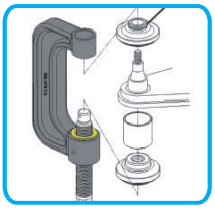
- Specially designed bolt. If the bolt is broken, you only need to replace the bolt of c-clamp, don't have to change the whole c-clamp set.
- The C-clamp is forged, its material is SCM440 and hardness is HRC 38° - 42°
- It contains heavy-duty C frame press, receiver tubes, and adaptors for installing and removing pins.
- This tool set is designed for using on most cars and light trucks that have press-fit type ball joints.
- It will help the user remove and install ball joints without the need of removing the control arm from the vehicle.
- NOTE: Some cars and light trucks may have the upper ball joint spot-welded to the control arm. The weld must be cut before attempting to remove the ball joint.



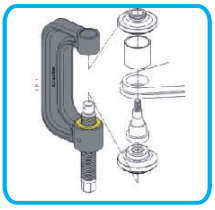
Brake Anchor pin
Extraction and installation



"U" joint Extraction
and installation



Removal
Patented design O-ring can be fixed in top ,tippreven the tool from falling.



Installation
Patented design O-ring can be fixed in top ,tippreven the tool from falling.

H.C.B-H1168 JEEP WRANGLER FRONT SUB-FRAME BALL JOINT EXTRACTOR / INSTALLER PAT. M333280

吉普藍哥前三角架球接頭拆裝工具組

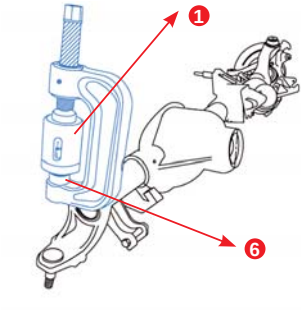
- For extracting or installing the front subframe ball joint of Jeep Wrangler.
- Application: Jeep Wrangler.



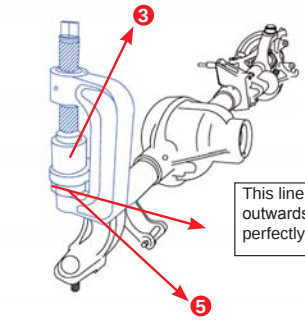


- Instructions:

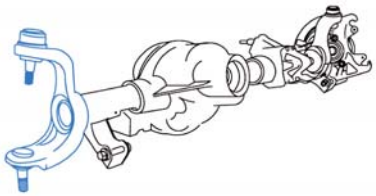
Subframe of Jeep Wrangler
Removal of upper ball joint:



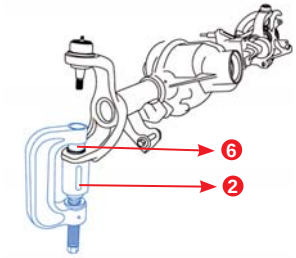
Upper Ball Joint Lower Ball Joint
Installation of upper ball joint:



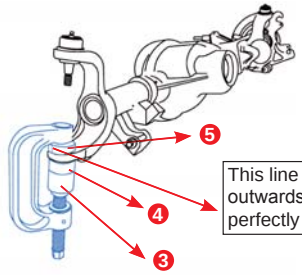
This line must be faced outwards, so part 5 will fit perfectly on the subframe.



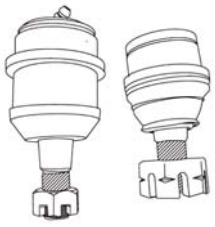
Removal of lower ball joint:



Installation of lower ball joint:



This line must be faced outwards, so part 5 will fit perfectly on the subframe



H.C.B-I1168 HYUNDAI PORTER 2500 C.C. FRONT SUBFRAME BALL JOINT EXTRACTOR / INSTALLER PAT. M333280

現代小霸王 2500 C.C. 前三角架球接頭拆裝工具組

- For extracting or installing the front subframe ball joint of HYUNDAI PORTER 2500 C.C.
- Application: HYUNDAI PORTER 2500 C.C.



- Instructions:

Removal of front subframe ball joint



Installation of front subframe ball joint





Front subframe of Hyundai Porter 2.5 L



Ball Joint Part No.: 54529-44000

H.C.B-A2262 UNIVERSAL STEERING KNUCKLE SPREADER

綜合型仰角撐開工具組

- This tool is used to spread the steering knuckle to enable the removal and refitting of shock absorbers without the risk of damaging the aluminum or cast iron knuckle.
- This tool is adjustable and is therefore suitable for steering knuckles with either a centralized slot or a non centralized slot.
- Suitable for a wide range of vehicles including AUDI | BMW | CITROEN | VOLKSWAGEN (GOLF | PASSAT) | FORD | SKODA | SEAT | RENAULT | PEUGEOT and many Japanese vehicles.







H.C.B-A2264 CLIC & CLIC-R HOSE CLAMP PLIERS

防塵套裝束鉗

- Non-slip soft grip for added comfort and control.
- For the removal of Clic & Clic-R type hose clips fitted to most engines.



H.C.B-A2277 TWIST AXLE SPINDLE RETHREADING KIT (9 PCS)

傳動軸 (輪軸) 螺牙修復器 (9 PCS)



- This tool set accesses axle threads on spindles of eight popular die sizes for both cleaning and rethreading work.
- Special twist shape provides an easier & quicker work.
- Application: When the axle screw is damaged or rusty.
- Die Sizes:
  M20 x 1.25 ; M20 x 1.50
  M22 x 1.00 ; M22 x 1.50
  M24 x 1.50 ; M24 x 2.00
  13/16" x 20 UNEF; 3/4" x 20 UNEF
  Extension bar (OD: 27 mm)
- Technical Data:
  Die Material: SCM440 ; Hardness: HRC 45 ~ 48 degree
  Extension bar: Material-S45C ; Hardness: HRC 38 ~ 43 degree

H.C.B-A2293 INNER BEARING RACE EXTRACTOR KIT

軸承內圈環拔卸器



- Allow precise extraction of inner bearing race from the wheel hub.
- Removal of the hub always leaves the inner race on the hub. The race is impossible to remove without the correct special tool.
- Makeshift methods such as grinders, Chisels. Welding torches, etc. Represent severe risks of personal injury or damage to the components.
- The new puller set allow quick and easy removal of inner bearing races with diameters from 40 mm to 72 mm with a few minutes without risk of damage or injury.
- Application:
  VW, Audi, BMW, Ford, Fiat, Mercedes-Benz, Opel, Renault, Peugeot, Volvo……etc.

Part No.	Description	Part No.	Description
A1	Chuck	A5	Special Ring Spanner 36 mm
A2	Chuck	A6	Special with Pin (M20 x 1.5)
A3	Chuck	A7	Pressure Piece for Hubs
A4	Handle	A8	Pressure Piece for Hubs

Part No.	Description	Car classification
01	Chuck size φ 44-48 mm	Lancia Cappa, Remault
02	Chuck size φ 48-52 mm	Ford Transit, T330
03	Chuck size φ 52-56 mm	VW Audi, Seat, Skoda
04	Chuck size φ 56-60 mm	Mercedes W168
05	Chuck size φ 60-64 mm	Mercedes W201, W202, W203, W210, W214, BMW, Peugeot.
06	Chuck size φ 64-68 mm	Mercedes W163, W140, W169, W211, W220, W245, W124T
07	Chuck size φ 68-72 mm	VW Touareg, Porsche Cayenne

H.C.B-A1554 HYDRAULIC CYLINDER HOIST STAND (50 mm)

油壓缸支撐架 (50 mm)

H.C.B-B1554 HYDRAULIC CYLINDER HOIST STAND (73 mm)

油壓缸支撐架 (73 mm)

- This tool can be combined with jack, it can let operator use hydraulic easily and saving labor. It can be used with H.C.B-B1389 or H.C.B-D1129.
- Fix hydraulic on the support frame, and use with jack, you can adjust 360 degree. You don't need to handle with hand. Let the worker repair easily.



< H.C.B-A1554 >





- This tool can be combined with jack, it can let operator use hydraulic easily and saving labor. It can be used with H.C.B-A1536 or H.C.B-D1181.
- Fix hydraulic on the support frame, and use with jack, you can adjust 360 degree. You don't need to handle with hand. Let the worker repair easily.





< H.C.B-B1554 >

H.C.B-A1665 UNIVERSAL HYDRAULIC PRESSURE KIT

通用油壓組

CE

- With easy spring reset.
- Hydraulic cylinder with thread and protective cap (3/8 NPT thread)
- Operating pressure: 700 bar
- Stroke length: 45 mm
- Outer diameter: 80 mm
- Hydraulic cylinder: 17.5 tons

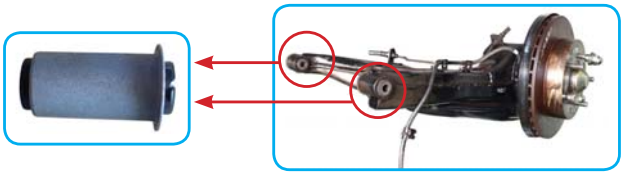


H.C.B-A1612 MITSUBISHI SAVRIN REAR TRAILING ARM BUSHING REMOVAL/ INSTALLATION TOOL KIT

三菱 SAVRIN 後三角架鐵套拆裝工具組

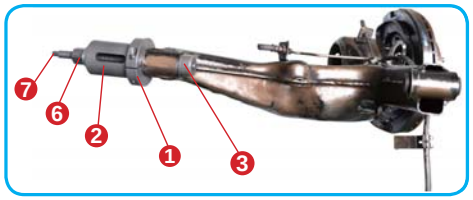
- The rear trailing arm bush will be broken under continual wearing. It would increase the instability when driving and make driver feel uncomfortable. To maintain stability of the vehicle and cut down the risk. So replacement of the rear trailing arm bush is needed.
- Application: SAVRIN 2001-2009



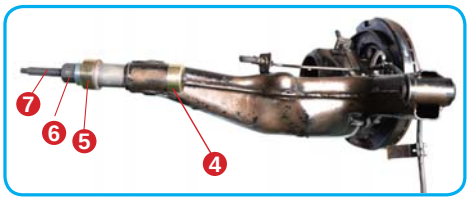


A、Rear Trailing Arm Front Bush

a、Removal:



b、Installation:



H.C.B-A2315 10 PCS AIR HAMMER W/AIR CHISEL KIT

10 PCS 綜合型氣動鎚組

- Fast cutting action on mufflers and tailpipes, body panels and general repairs.
- Longer life alloy steel barrel and heat-treated piston, coil spring retainer.
- Chisels include edging tool, tail pipe cutter, straight and cutting chisels and punch.



Speed (B.P.M)	2100
Piston Diameter	19 (mm)
Piston Stroke	96 (mm)
Overall Length	395
Air consumption	10 (CFM)
Air Inlet	1/4 in
Air Hose Size	3/8 in

Item	Specification	Length
1	Shape	175
2	Flat	175
3	16mm Jaw open	178
4	23mm Jaw open	178
5	φ36 Round Raised	115
6	1/2"	127
7	φ25 Curve	110
8	φ25 Flat	110
9	3/8" Drive	127
10	40x68 Half moon	100

H.C.B-B1044 NEW WHEEL HANGER KIT (6 PCS)

輪胎定位銷組 (6 PCS)

VIDEO

- To assist when mounting wheels, especially latest models with iron lug bolts.
- Material: Steel S45C
- Surface finish: Chrome
- Size: M12 x P 1.5 (Male), M14 x P 1.5, M14 x P 1.25, M12 x P1.5 (Female), M16 x P 1.5, M12 x P1.25 (Female)

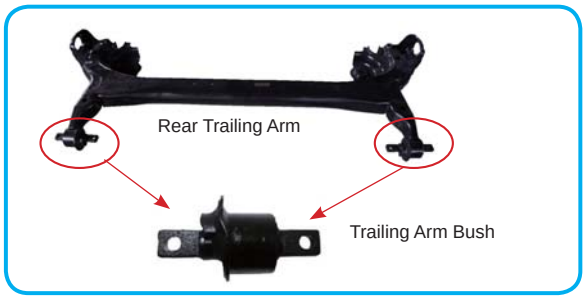




H.C.B-A1770 NEW MITSUBISHI COLT PLUS TRAILING ARM BUSH REMOVER/ INSTALLER

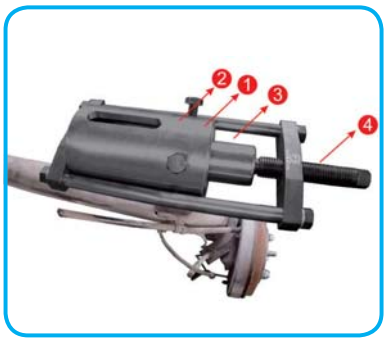
MITSUBISHI COLT PLUS 後游臂鐵套拆裝工具組

- This tool kit is for quick removal/ installation of trailing arm bushes.
- Application: Mitsubishi Colt Plus (2007 ~ 2017)

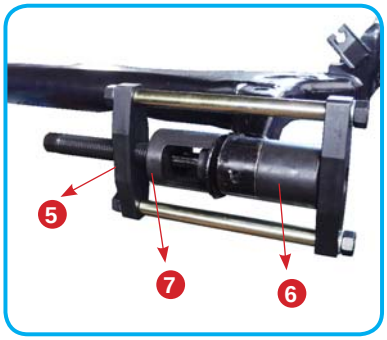




Removal



Installation



H.C.B-H2288 NEW VAUXHALL/ OPEL WHEEL LOCK SCREW SOCKET KIT (7 PCS)

VAUXHALL/OPEL 防盜螺絲套筒組 (7 PCS)

- 7 pc set supplied in a rugged storage case made up of the seven keys with a 4 digit code
- Applications: Agila, Astra F/G/H, Calibra, Corsa B/C/D, Meriva, Omega B, Signum, Speedster, Tigra A/B, Vectra B/C, Zafira A/B.
- Designed for using with a conventional 17mm wheel nut socket and power bar. Do not use with impact tools.
- Contents:7461, 7462, 7463, 7464, 7465. 7466, 7467
- Material: SCM440 chrome plated



H.C.B-I2288 NEW VAUXHALL/ OPEL WHEEL LOCK SCREW SOCKET KIT (20 PCS)

VAUXHALL/OPEL 防盜螺絲套筒組 (20PCS)

- Applications:
  Agila, Astra F/G/H, Calibra, Corsa B/C/D, Meriva, Omega B, Signum, Speedster, Tigra A/B, Vectra B/C, Zafira A/B.
- Designed for using with a conventional 17mm wheel nut socket and power bar.
- Do not use with impact tools.
- Contents:101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120
- Material: SCM440 chrome plated



H.C.B-J2288 NEW VAUXHALL/ OPEL WHEEL LOCK SCREW SOCKET KIT (20 PCS)

VAUXHALL/OPEL 防盜螺絲套筒組 (20 PCS)

- Applications: Agila, Astra F/G/H, Calibra, Corsa B/C/D, Meriva, Omega B, Signum, Speedster, Tigra A/B, Vectra B/C, Zafira A/B.
- Designed for using with a conventional 17mm wheel nut socket and power bar.
- Do not use with impact tools.
- Contents:121, 122,123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140
- Material: SCM440 chrome plated



H.C.B-K2288 NEW VAUXHALL/ OPEL WHEEL LOCK SCREW SOCKET KIT (20 PCS)

VAUXHALL/OPEL 防盜螺絲套筒組 (20 PCS)

- Applications : Agila, Astra F/G/H, Calibra, Corsa B/C/D, Meriva, Omega B, Signum, Speedster, Tigra A/B, Vectra B/C, Zafira A/B.
- Designed for using with a conventional 17mm wheel nut socket and power bar.
- Do not use with impact tools.
- Contents: 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200
- Material: SCM440 chrome plated



H.C.B-A2332 NEW ANGLED FUEL/ EVAP CLAMP PLIERS

油管扣環鉗

- Used for the removal or installation of click style Fuel/EVAP hose clamps.
- Rotatable head for reaching the clamps at any angle.
- Spring loaded and proper grip for good handling.

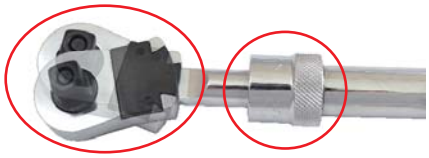




H.C.B-A2334 NEW PROFESSIONAL EXTENDABLE HANDLE RATCHET WRENCH (72 TEETH)

72 齒免撥伸縮葫蘆柄扳手

H.C.B-A2334



1.Just turn the handle to switch the gear direction in a blink. (No need to stop and turn the switch to change the gear direction.)
2.Push down the collar to extend the handle.





ITEM no.	Description	Length
A2334-0104	1/4" Dr. Professional Extendable Handle Ratchet Wrench 72 teeth.	151.5/176.5/201.5 mm
A2334-0308	3/8" Dr. Professional Extendable Handle Ratchet Wrench 72 teeth.	238/266/294/322/350 mm
A2334-0102	1/2" Dr. Professional Extendable Handle Ratchet Wrench 72 teeth.	304/332/360/388/416/444 mm

H.C.B-A1904 NEW CHRYSLER DODGE DANA MODEL 44/ 60 AXLE SEAL INSTALLER

CHRYSLER DODGE DANA MODEL 44/ 60 輪軸油封安裝工具

- Use this tool to install front axle seals into Dana models 44 and 60 disconnect axles to their proper depth.



H.C.B-A2351 NEW GEARLESS BRAKE CALIPER TOOL

剎車分泵調整工具

- Suitable for 1,2,4,6 & 8 mulit-piston calipers.
- 3 pair pad include
  1. 90mm(l)*60mm(w) for 1 & 2 piston brake calipers
  2. 148mm(l)*60mm(w) for 4 piston brake clipers.
  3. 180mm(l)*60mm(w) for 6 & 8 piston brake calipers.
- Gearless structure for quickly & easily used with small operation angle.



H.C.B-A2337 New WHEEL NUT TWIST SOCKET KIT (4 PCS)

破壞型螺旋套筒及延伸桿 (4 PCS)





■ Features:

1. This 1/2" DR twist socket is specially designed for the removal of locking wheel nuts.
2. This tool has 6 point and the other side with 6 point twist.
3. This tool can be also used while a nut could not be loosen in a normal way because of rust or deformation.
4. This socket set is made of SCM440 with HRC 46-49 degree.

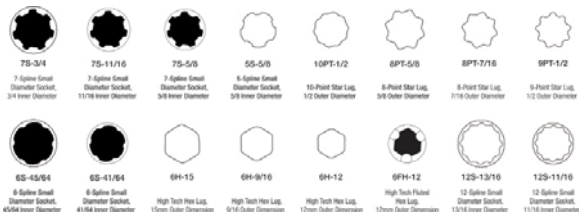


H.C.B-A2347 New LOCKING LUG NUT SOCKET KIT (16 PCS)

防盜螺絲套筒組 (16 PCS)



Content:
(1) 7-Spline Small Diameter Socket, 3/4" Inner Diameter
(1) 7-Spline Small Diameter Socket, 11/16" Inner Diameter
(1) 7-Spline Small Diameter Socket, 5/8" Inner Diameter
(1) 5-Spline Small Diameter Socket, 5/8" Inner Diameter
(1) 10-Point Star Lug, 1/2" Outer Diameter
(1) 8-Point Star Lug, 5/8" Outer Diameter
(1) 8-Point Star Lug, 7/16" Outer Diameter
(1) 9-Point Star Lug, 1/2" Outer Diameter
(1) 6-Spline Small Diameter Socket, 45/64" Inner Diameter
(1) 6-Spline Small Diameter Socket, 41/64" Inner Diameter
(1) High Tech Hex Lug, 15mm Outer Diameter
(1) High Tech Hex Lug, 9/16" Outer Diameter
(1) High Tech Fluted Hex Lug, 12mm Outer Diameter
(1) High Tech Hex Lug, 12mm Outer Diameter
(1) 12-Spline Small Diameter Socket, 13/16" Inner Diameter
(1) 12-Spline Small Diameter Socket, 11/16" Inner Diameter



- Easily remove locking lug nuts on most aftermarket wheels.
- Thin wall sockets avoid damaging wheels and lugs.
- Extra-long lug keys keep your wrench away from the wheel to prevent nicks and scratches.
- Double hex-head design fits most lug wrenches as well as 13/16 inch and 7/8 inch sockets.
- Included descriptive chart to easily select the proper key.
- Heat treated chrome vanadium steel construction, and durable black oxide finish.

HWANG CHERNG BIN H.C.B ®

SINCE 1990

018

HWANG CHERNG BIN

Specialty Tools Inc.

一般修護工具 引擎

GENERAL ENGINE REPAIR TOOL







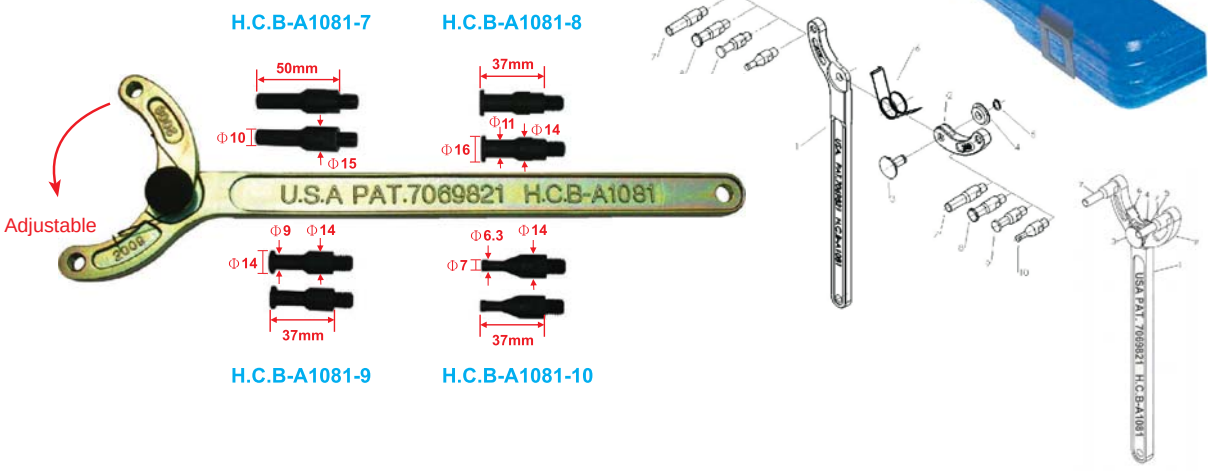


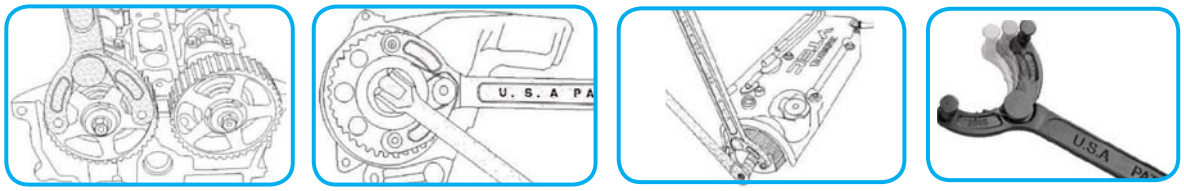
H.C.B-A1081

ADJUSTABLE UNIVERSAL CAMSHAFT PULLEY HOLDING TOOL
TW PAT. 227176 USA PAT.7069821

專利可調式皮帶盤支擋扳手

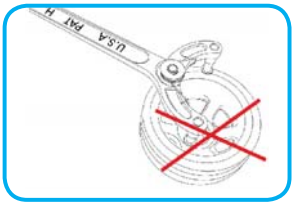
10 / 19 / 20 / 2.38'





- Suitable for all kinds of engines.
- This wrench is designed with grooved pins which can hold the camshaft pulley steadily while loosening and tightening the center shaft bolt.
- It is useful to most Asian overhead cam engines, especially transverse mounted V6 engines. Such as the VG30 used in NISSAN MAXIMAS, as well as, the 3VZFE and 1MZFE engines used in TOYOTA CAMRY.
- Adjustable distance: P.C.D 21 mm-100 mm
- H.C.B-A1081-10
  To hold the camshaft pulley, special for TOYOTA Hi-Ace (Euro 4).
- Application: BENZ, BMW, FORD, MITSUBISHI, HONDA, VW, AUDI, NISSAN, VOLVO, TOYOTA…etc.





CAUTION:

1. READ THE MANUAL CAREFULLY BEFORE USING!
2. THIS TOOL IS DESIGNED TO HOLD THE CAMSHAFT ONLY. IMPROPERLY USE MIGHT CAUSE DAMAGE TO THIS TOOL.
3. THIS TOOL FORBIDS USING ON CRANKSHAFT PULLEY HOLDING.

Won the "2009 AMPA Innovation Awards" Champion

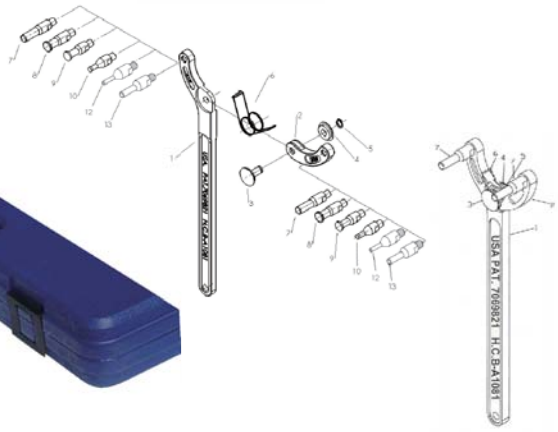
H.C.B-B1081

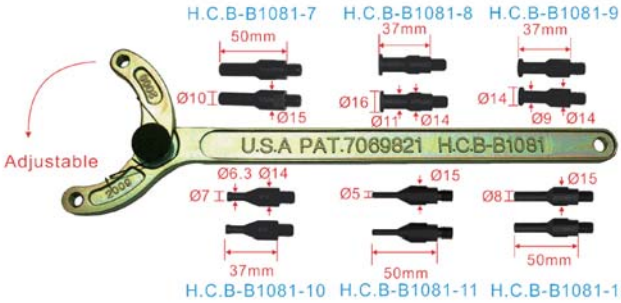
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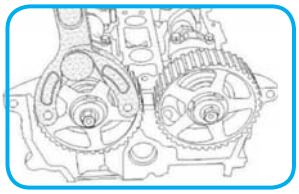
ADJUSTABLE UNIVERSAL CAMSHAFT PULLEY HOLDING TOOL
TW PAT. 227176 USA PAT.7069821

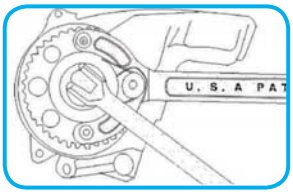
專利可調式皮帶盤支擋扳手

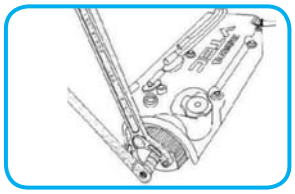
10 / 19 / 20 / 2.38'

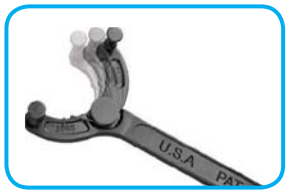






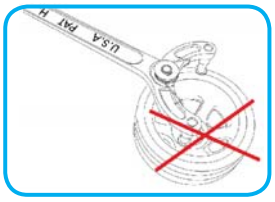






- Suitable for all kinds of engines.
- This wrench is designed with grooved pins which can hold the camshaft pulley steadily while loosening and tightening the center shaft bolt.
- It is useful to most Asian overhead cam engines, especially transverse mounted V6 engines. Such as the VG30 used in NISSAN MAXIMAS, as well as, the 3VZFE and 1MZFE engines used in TOYOTA CAMRY.
- Adjustable distance: P.C.D 21 mm-100 mm
- H.C.B-A1081-10
  To hold the camshaft pulley, special for TOYOTA Hi-Ace (Euro 4).
- Application: BENZ, BMW, FORD, MITSUBISHI, HONDA, VW, AUDI, NISSAN, VOLVO, TOYOTA…etc.





CAUTION:

1. READ THE MANUAL CAREFULLY BEFORE USING!
2. THIS TOOL IS DESIGNED TO HOLD THE CAMSHAFT ONLY. IMPROPERLY USE MIGHT CAUSE DAMAGE TO THIS TOOL.
3. THIS TOOL FORBIDS USING ON CRANKSHAFT PULLEY HOLDING.

Won the "2009 AMPA Innovation Awards" Champion

H.C.B-A1049 UNIVERSAL CAMSHAFT PULLEY HOLDING TOOL

皮帶盤支擋扳手

- This wrench is designed with groove pins which can hold the camshaft pulley steadily while loosening and tightening the center shaft bolt.
- Application: TOYOTA, NISSAN and other OHC engines.
- N.W.: 0.8 KGS





H.C.B-A2134 UNIVERSAL TWIN/4 CAM LOCK (GAS AND DIESEL ENGINE)

萬用雙凸輪軸 /4 凸輪軸正時工具 (適用汽油與柴油引擎)

36 / 10.8 / 11.8 / 2.6'





- It is designed to lock twin camshafts to make timing marks during timing belt replacement.
- Fit onto sprockets and extend to lock in sprocket teeth.
- Adjustable arms to fit various diameters and tooth pitch.
- Also suitable for locking between cam and diesel injection pump sprockets.
- Operated by one person only.

H.C.B-A1388 ROVER KV6 PETROL/ROEWE 750 ENGINE TIMING KIT (13 PCS)

ROVER KV6 汽油 /ROEWE 750 引擎正時工具組 (13 PCS)

- To replace engine timing belt.
- Application: 2.0 V6 & 2.5 V6 engine. Year 1999~2005. Rover 45 75 / 160 180 190 / 825 / MG ZS / MG ZT / AT-T / Land Rover Freelander 2.5
- Note: Not suitable for MG ZT / ZT-T 190.





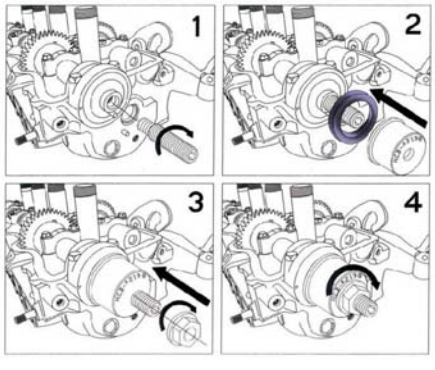
Item No.	Name	Q'ty	Engine no.	Series of car
A1388-1	Camshaft Locking Tools	2	18G 1747	
A1388-2	Cam Tool Adaptors 2.0 V6	2	12-187	2.0 V6
A1388-3	Cam Tool Adaptors 2.5 V6	2	12R208	2.5 V6
A1388-4	Rear Cam Sprocket Setting Tool	1	12-175 (not 825 206 V6)	
A1388-5	Tensioner Pushrod Retension Pin	1		
A1388-6	Rear Cam Sprocket Setting Tool	1	LRT 12-175	825 2.5 V6
A1388-7	Rear Cam Sprocket Guide Pin	2	LRT 12-198 18G 1746	
A1388-8	Crankshaft Setting Pin	1	LRT 12-232 18G 1747-5	
A1388-9	Rear Cam Sprocket Spreader	1	LRT 12-195 18G 1747-1	

H.C.B-A2198 CAMSHAFT SEAL REPLACER

凸輪軸油封拆裝器

- To replce the cam seal in 4&6 cylinder.
- Application: MAZDA, NISSAN, TOYOTA, LEXUS…etc.





H.C.B-A2171 PETROL ENGINE CAM LOCKING/SETTING TOOL AND FLYWHEEL HOLDING TOOL KIT

汽油引擎雙凸輪軸固定工具及飛輪固定工具組

Standard Parts List	
A2171-01 Camshaft Setting/Locking Plate	
It is used to lock the camshafts in their position by way of a slot at rear of the camshafts.	
A2171-02 Balancer Shaft Locking Pin	
It purposed refitting the balancer shaft belt after renewal of the timing belt.	
A2171-03 Crankshaft TDC Location Pin	
This tool can be used on specific Ford and Mazda twin cam engines, in combination with the Camshaft Setting/locking Plate to ensure correct TDC position.	
A2171-04 Camshaft Locking Pins (5.0mm, pair)	
A2171-05 Camshaft Locking Pins (6.8mm, pair)	
Kit supplied with two diameter-locking pins: 5.0mm and 6.8mm. Insert the correct diameter locking pins to lock each camshaft in position with the timing marks aligned to those on the casing/cover.	
Camshaft Locking Tools	
Kit contains nine different shape-camshaft locking tools for a variety of vehicles. They are inserted between the two camshaft sprockets to lock the sprockets in position firmly and prevent them from rotating out of their timed position when the timing belt is removed.	

A2171-06	A2171-07	A2171-08	A2171-09	A2171-10
				
A2171-11	**A2171-12**	**A2171-13**	**A2171-14**	**A2171-16**
				

Flywheel Holding Tools		
The pulley bolt has a high torque loading in which case the engine must be "locked" securely when releasing and tightening the bolt. The teeth-like design allows the operator to engage the flywheel teeth and the tool is bolted to the transmission housing to prevent movement of the flywheel. Suitable for Petrol and Diesel engines.	A2171-17 	A2171-18 

Applications	
A2171-01	**A2171-14**
Ford: Fiesta 1.25, 1.4(95-), 1.8-XR2i/Rs 1800 16V, Mondeo 1.6, 1.8, 2.0 16V (93-) Mazda: 121.1.25.	Land Rover: Discovery MPi 2.0 16V (93-), 20T4 engine Rover: 220 M16 (-92), 220/Turbo T16 (92-), 420 M16 (-92), 420 T16(92-), 320/Turbo M16 (-91), 620Ti (94-), 820/Turbo T16 Vitesse Turbo (91-)
A2171-02	**A2171-16**
Ford: Honda: Accord/Pretude 2.3i (93-), Prelude 2.2. V-Tec, SOHC application: Accord 1.8, 2.0, 2.2. (-93), 2.0i(93-), Shuttle 2.2i	Works on: VOLKSWAGEN BORA, GOLF, LUPO AND POLO TDI'S
A2171-03	**A2171-17**
Ford: Escort/Orion 1.6, 1.8i 16V(92-) Mazda: 121.1.25.	Vauxhall/Opel: 1.2, 1.4, 1.6, 1.8, 2.0 OHC Petrol engines 1.6D & 1.7 OHC Diesel engines 1.5 & 1.7 OHC Diesel(Isuzu) engines
A2171-04	**A2171-18**
Ford: Honda: Civic 1.6 VTi Accord (90-), Prelude 2.0 16V (-90) Rover: 216, 416, GTi 16V(-95) D16A9 engine	Citroen: Synergie 2.0/Turbo, ZX 1.9D/TD, Xantia 1.9D/TD, Berlingo 1.9D, Dispatch 1.9D/TD, Synergie 1.9D, Relay 1.9D/TD



A2171-05	Fiat: Ulysse 2.0/Turbo, Ducato 2.0
Rover: 220/Turbo T16 (92-), 420 T16 (92-), 320/ Turbo M16 (-91), 820/Turbo T16 Vitesse Turbo (91-), 620 Ti (94-), SOHC application 820 8V (M8) Land Rover: Discovery MPi 2.0 16V (93-), 20T4 engine	FSO 1.9D LDV: 200 1.9D, Pilot 1.9D Peugeot: 205 1.6/1.9, 305 1.6/1.9, 309 1.6/1.9 405 1.6/1.9, 405 1.8/2.0 (92-), 605 2.0 Boxer 2.0, c205 1.8/1.9D, 305 1.8/1.9D, 306 1.8/1.9D/TD 309 1.8/1.9D 1.8TD, 405 1.8TD, 405 1.9D, 406 1.9D, Partner 1.9D Talbot/Horizon/Solara 1.9D, J5/Talbot Express 1.9D 605D/TD, 806 1.9TD, Expert 1.9D, Boxer 1.9D/TD
A2171-06	
Vauxhall/Opel: Vauxhall Cavalier 2.5I, Calibra 2.5I, Vectra 2.5, OMEGA 2.5/3.0L, Sintra 3.0L SAAB: 900 2.5, 9000 3.0 V6	
A2171-07	Renault: R5 1.6D, R9 1.6D, 411 1.6D Express/Extra 1.6D - F8M Diesel engines Clio, Express/Extra, R19 1.9D - early F8Q Diesel engines Espace 2.1D, R21 2.1D, R25 2.1D, Trafic/Master 2.1D - J8S Diesel engines Clio 1.2/1.4, Express/Extra, R19 1.4, Megane/ Scenic 1.4/1.6 - E7F/E7J Petrol engines R5 1.7, Clio 1.7/1.8, R19 1.7, R21 1.7, Megane/ Scenic 2.0 Laguna 1.8/2.0, Trafic 1.7 - F3N/F3P/F2R Petrol engines Clio Williams, R19, Megane 2.0 16V Twin cam F7P/F7R engines Laguna/Safrane 2.0 16V Twin cam N7Q/N7U engines  
Vauxhall/Opel: Vauxhall Cavalier 2.5I, Calibra 2.5I, Vectra 2.5/3.0L, Sintra 3.0L SAAB: 900 2.5, 9000 3.0 V6	
A2171-08	
For Rover K16 DOHC engines	
A2171-09	
ECOTEC suitable for 16V 1.4/1.6L engines	
A2171-10	
ECOTEC suitable for 16V 1.8/2.0L engines	
A2171-11	
Vauxhall/Opel: Astra 1.8/2.0 16V, Cavalier 2.0 16V, Calibra 2.0 16V/Turbo Omega-B 1.4/1.6 16V, Later engines (93-) with small cam sprockets	
A2171-12	
Vauxhall/opel: Astra 2.0 16V, Cavalier 2.0 16V, Calibra 2.0 16V, Early engines (-92) with large cam sprockets.	
A2171-13	
Rover: Metro GTa/GTi 16V K16 (-95), 214, 414 K16 (89-) 216, 416 K16 (95-), MGF 1.8 MPi/VVC (95-)	Safety Notice: Always refer to the vehicle manufacturer's instructions before all actions as above. Always wear suitable clothing to avoid snagging and eye or face protection is necessary when using these tools.

H.C.B-A4001 RENAULT TIMING TOOL KIT

雷諾正時工具組

5 / 26.1 / 27.1 / 3.5'



- To adjust RENAULT engines' timing.
- Application:

Clio 1.2/ 1.4, Clio 1.4/ 1.6/ 1.8 16V, Clio Sport 2.0 16V, Clio Williams 2.0 16V
Espace 2.0, Espace 2.0 16V, Espace 2.2 TD
Express1.4
Extra 1.4
Kangoo 1.2/ 1.4
Laguna 1.6 16V, Laguna 1.8/2.0, Laguna 1.8/ 2.0 16V, Laguna 2.2 D/TD, Laguna 2.5 D/ TD
Master 2.5 D/ TD
Megane 1.4/ 1.6/ 2.0 16V
R19 1.4, r19 1.4 Eco, R19 1.8 16V
Rapid 1.4
Safrane 2.0 16V, Safrane 2.2 TD, Safrane 2.5 20V
Scenic 1.4/ 1.6/ 2.0 16V
Trafic 2.5C
Twingo 1.2

H.C.B-A4002 SETTING/LOCKING TOOL KIT FOR VAG, V6, TDI, PETROL ENGINE

VAG, V6, TDI 柴油引擎正時工具組

12 / 12.5 / 13.5 / 1.3'



- To set, lock, support and adjust tensioner of VW 2.5 V6 diesel engines.
- Application: VW 2.5 TDi V6 diesel engine. VW Passat AFB / AKN. Audi A4, A6 and A8.

H.C.B-A4004 CITROEN & PEUGEOT ENGINE TIMING TOOL KIT

雪鐵龍 & 標緻引擎正時工具組

5 / 20.5 / 21.5 / 1.9'



- For engine timing when replacing the timing belt.
- Suitable for most of recent cars with HPI (petrol) or HDI (diesel) engines.
- Applicable to Peugeot and Citroen for locking the flywheel / camshaft / crankshaft, removing the assembly of fuel injection pump and water pump, and changing the timing belt
- Also suitable for identical engines in Fiat, Ford, Nissan, Renault, Rover, Toyota…etc.
- Suitable for:
  Petrol engines:
  1.9 - 1.1 - 1.4 - 1.6 - 1.8 - 1.9 - 2.0
  1.6 - 1.8 - 2.0 - 2.2 16V (Turbo and twin camshaft)
  Diesel engines:
  1.4 - 1.5 - 1.7 - 1.8 - 1.9 - 2.1 - 2.5 D / TD / TDI
  1.4 - 1.6 - 2.0 - 2.2 HDI

H.C.B-A4005 VAUXHALL/OPEL ENGINE TIMING TOOL

VAUXHALL/OPEL 引擎正時工具組



- To lock the camshaft and crankshaft, remove and assemble fuel injection pump and water pump, and change the timing belt.
- Also suitable for identical engines in Saab, Renault…etc.
- Diesel engines: 1.3 CDTi 16V, 1.9 CDTi, 2.0 DTi, 2.2 DTi.
- Application: Agila, Astra, Combo-C, Corsa, Frontera, Omega, Signum, Sintra, Tigra, Vectra and Zafira.

H.C.B-A4006 TIMING LOCKING TOOL KIT (8 PCS)

正時工具組 (8 PCS)

10 / 10.1 / 11.1 / 1.1'



- Aluminum plates with different colors, suitable for locking camshaft pulleys on twin cam engines.
- A4006-1:
  VAUXHALL / OPEL: ASTRA G 1.7 TD
  ASTRA-G 2.0 16V
  VECTRA 1.8/ 2.0 16V < 95
- A4006-2:
  VAUXHAL / OPEL: ASTRA G 1.4/ 1.6/ 1.8 16C < 94
  VECTRA 1.6/ 1.8 16V
  ZAFRIA1.6/1 .8 16V
- A4006-3:
  Right side camshaft SAAB:900 · 9000
  VAUXHALL / OPEL: CALIBRA 2.5/2.5I/2.6 V6
  CAVALIER 2.51 V6
  OMEGA-B 2.5/ 2.6/ 3.0/ 3.2 V6
  SINTRA 3.0 V6
  VECTRA-A 2.5/ 2.51/ 2.6 V6
- A4006-4:
  Left side camshaft SAAB:900 · 9000
  VAUXHALL / OPEL: CALIBRA 2.5/ 2.5I/ 2.6 V6
  CAVALIER 2.51 V6
  OMEGA-B 2.5/ 2.6/ 3.0/ 3.2 V6
  SINTRA 3.0 V6
  VECTRA-A 2.5/ 2.5I/ 2.6 V6
- A4006-5:
  ROVER:25 1.4/ 1.6/ 1.8/ VVC, 45 1.4/ 1.6/ 1.8
  75 1.8, 200 VI, 214 16V
  216 16V / CABRIO / COUPE
  218 COUPE, 414 16V, 416 16V / TOURER
  BRM 1.8VVC, METRO GTI/GTA 16V
  MGF 1.8VVC, Most models
- A4006-6:
  VOLKSWAGEN: BORA 1.9 TDI, GOLF 1.9 TDI
  LUPO 1.2/ 1.4/ 3.0 TDI, POLO 1.4TDI
  PASSAT 1.9 TDI
- A4006-7:
  CITROEN: BELLINGO 1.9D, DISPATCH 1.9D/ TD, FSO 1.9D
  RELAY 1.9D/ TD, SYNERGIE 1.9/ 2.0T, XANTIA 1.9/ 2.0 D/ TD/ HDI
  XSARA 1.9/ 2.0D/ HDI, ZX 1.9 D/ TD, Most of diesel
  FIAT:DUCATO 2.0D · ULYSSE 1.8/ 2.0 TURBO
  FORD: Most of diesel
  PEUGEOT: 205 1.6/ 1.8/ 1.9D · 305 1.6/ 1.8/ 1.9D · 306 1.8/ 1.9 D/ TD 309 1.6/ 1.9 · 405 1.6/ 1.9D · 406 1.9D, 605 2.0 D/TD 806 1.9TD, BOXER 1.9/ 2.0 D/TD, EXPERT 1.9D, PARTNER 1.9D
  TALBOT: EXPRESS D, HORIZON D, J5 D, SOLAKARA D
- A4006-8:
  ISUZU: 1.5/ 1.7 diesel engines
  VAUXHALL / OPEL:1.6/ 1.7 diesel engines
  1.2/ 1.4/ 1.6/ 1.8/ 2.0 OHC petrol engines

H.C.B-A4007 FORD & MAZDA ENGINE TIMING TOOL KIT

福特 & 馬自達引擎正時工具組

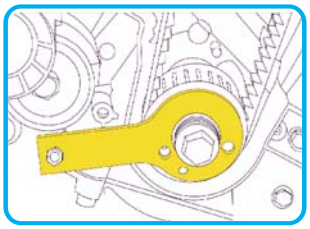
- Comprehensive engine timing tool kit covers most engines in the Ford range including both petrol and diesel and the latest Zetec engines.
- It also includes special pins required to lock the camshaft sprocket, flywheel and align the crankshaft and fuel pump when checking the valve timing on 2.0 & 2.4 L chain driven engines and or replacing the timing belt on1.4 L engines.
- Application: Engine codes:
  DHA, DHB, DHC, DHD, DHE, DHF, DHG, FHA, FHB, FHF, FXDA/C, DXDB/D, FYDA/C, FYDB/D, FYDH, LIT, LIV, LIW,M7JA, M7JB, D5BA, D6BA, FMBA/BTransit: D2FA, D4FA, F4FA.



H.C.B-A4008 FIAT 1.9D/TD ENGINE TIMING TOOL KIT

FIAT 1.9D/TD 正時工具組

- For Fiat 1.9d/TD with Peugeot engines: Punto 1.9D | Brava | Bravo 1.9D Turbo | Marea | Weekend 1.9d Turbo, Punto 1.9 JTD | Brava | Bravo 1.9 JTD | Marea | Weekend 2.4 JTD | Multipla 1.9 JTD 1996< Marea 2.4D Turbo | Marea Weekend 2.4D Turbo and Alfa Romeo/Fiat 1.9 PSA derived D and TD engines.
- Including Alfa Romeo 145 | 146 | 156 JTD.

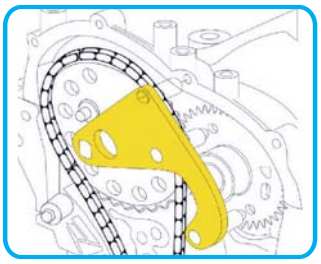




H.C.B-A4009 RENAULT/VAUXHALL/OPEL/NISSAN DIESEL ENGINE TIMING TOOL KIT

RENAULT/VAUXHALL/OPEL/NISSAN 柴油引擎正時工具組

- For Renault 2.0DCi chain drives diesel engines fitted to the Megane | Vel Satis | Espace | Scenic | Trafic | Laguna | Koleos, also fitted to the Nissan Qashqai and the Vauxhall | Opel Vivaro.
- Engine code M9R.
- **OEM no. ref.:** EN48334, EN48332, EN48331, EN48330





H.C.B-A4010 RENAULT/VOLVO 2.0 16V ENGINE TIMING TOOL KIT

RENAULT/VOLVO 2.0 16V 引擎正時工具組

Models:

- Renault Laguna 2.0 16V/ 2.5 20V (1996-1999)
- Renault Laguna 2.0 16V/ 2.5 20V (1996-2001)
- Model Laguna (96-99), Safrane (96-01)
- Engine: N7Q 704/710/711 (2.0 16V), N7U 700/701 (2.5 20V)
- Volvo 850 (1992-1997), C70 (1998-2002), S40 (1996-2004), V40 (1996-2004), Volvo S60 (2001-2005), S70 (1997-2000), S80 (1999-2005)
- Engine Codes:

  Volvo: B4164S, B4164S2, B4184S, B4184S2, B4184S3, B4184S9, B4184S10, B4194T, B4194T2, B4204S, B4204S2, B4204T, B4204T2, B4204T3, B4204T5, B5202Fs, B5204FT, B5204T2, B5204T3, B5204T4, B5204T5, B5234FS, B5204FT, B5234T3, B5234T4, B5234T5, B5234T6, B5234T7, B5234T8, B5234T9, B5244S, B5244S2, B5244SG, B5244SG2, B5244T, B5244T3, B5244T4, B5244T5, B5244T7, B5252FS, B5254T, B5254T2, B5254T4.



Parts No.	OEM no. ref.	Description
1	MOT 1337	Camshaft Setting Tool
2	MOT 1348	Tensioning Tool
3	MOT 1340	Crankshaft TDC Timing Pin

H.C.B-A4011 CITROEN / PEUGEOT ENGINE TIMING TOOL KIT

雪鐵龍 / 標緻引擎正時工具組



- A range of timing tools for the latest EW coded PSA engine used on Citroën Xsara | Picasso | C5 | C4 | Evasion | Synergie | C8 | Jumpy | Dispatch and Peugeot 206 | 307 | 406 | Coupe 607 | 806 | 807 | Expert Engine Codes EW12J4(3FC) | EW10D-HPI(RLZ) | EW10J4S(RFK) | EW10J4(RFN/RFR) | EW7J4(6FZ).
- Engine Codes EW12J4 (3FC) | EW10D-HPI(RLZ) | EW10J4S(RFK) | EW10J4(RFN/RFR) | EW7J4(6FZ).
- EW is the prefix used on the vehicles engine number.
- A3 digit code in the chassis number identifies the engine used in the vehicle.

H.C.B-A4012 CITROEN / PEUGEOT ENGINE TIMING TOOL KIT

雪鐵龍 / 標誌正時工具組



- This comprehensive tool kit enables the correct engine timing to be made when replacing the timing belt.
- Suitable for using on the modern cars with either HPI (petrol) or HDI (diesel) engines.
- Citroen: AX, BX, ZX, XM, Visa, Saxo, Xsara, Xantia Synergie / Evasion,Berlingo, Jumpy, C15, C25, Picasso, C5.
- Peugeot: 106, 205, 305, 306, 307, 309, 405, 406, 605, 607, Expert, Partner,Boxer.
- **OEM no. ref.:**
  4507-TJ | 0132X | 0132X1Z |9767.89 | 0132Q | 5711-TA | 0132R | 4507-TB| 9767.27 | 7014-TM | 0132QZ | 4507-TA | 0189C | 0153G | 0153N | 0188D |0153Y | 7004-TG | 7014-TJ | 7017-TR | 9767.34 | 7017-TR | 0153N | 0188D |0288D | 7099-TM | 0188X | 0118X | 0189R | 0189S1 | 0189S2 | 0195K | 0196C| 0195H | 0188AH | 0188AD | 0132AB | 4527-TS2 | 5711-TD | 0118X | 0188H |0189B | 4527-TS1 | 0132AJ1 | 4533TAC1 | 0133AJ2 | 0188M | 4533-TAC2 |5711-TC | 9041-TZ | 0189A | 0189AZ | 0189L | 0178E | 0188J/J1 | 5711-TE |0134AF | 0188F | 9044-T | 0188J2 | 7017-TW | 0132AK | 0153AK | 0187J |0188K | 0189K | 4533-TAD | 0188P | 0174 | 7015-T | 0188P2 | 1 860 639 000 |D86 | 0153A | 6012T | 9765-54

H.C.B-A4014 VAUXHALL DIESEL SETTING/LOCKING TOOL KIT

VAUXHALL 柴油引擎正時工具組



- Cover timing belt replacement on the current range of Renault DCi common rail diesel engines.
- Updated kit suitable for Clio 2 1.5dCi + 1.9dCi 600/800 series engines.
- To prevent the engine shafts (camshaft, crankshaft) from turning belt tensioner when changing a timing belt or during other engine repairs.
- Application:

Models:	Engines:
Micra K12 (03-09)	1.5DCI K9K: 260/270/272/274/276/702/704/710
Almera N16 (02-06)	1.9DCI F9Q: 760/762/772/774
Note E11(06-09)	2.2DCI F9Q: 722/750
Qashqai J10(07-09)	2.5DCI G9U: 720/724/726/750/754
Primera P12 (03-07)	
Kubistar X76 (03-09)	
Primastar (02-07)	
Interstar (02-06)	

Also for RENAULT and VAUXHALL/OPEL models

H.C.B-A4015 OPEL/ CITROEN/ PEUGEOT 1.3 CDTi/ HDi/ JTD ENGINE TIMING TOOL KIT

OPEL/ CITROEN/ PEUGEOT 1.3 CDTi/ HDi/ JTD 引擎正時工具組



- It is recommended to prevent the engine shafts (e.g. camshafts, crankshaft) from turning or to keep them in a specific position and to adjust the tensioner when changing a timing chain or during other engine repairs.
- H.C.B-A4015-1 is for locking the camshaft in proper position for engine servicing.
- H.C.B-A4015-2 and A4015-3 are for locking the flywheel for positioning the crankshaft.
- **OEM no. ref.:** 104-A EN 46781, EN 46785
- Application:

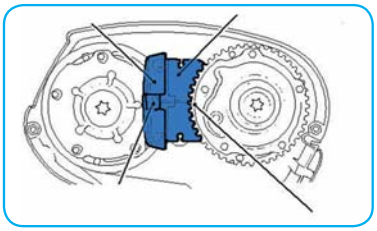
Manufacturer	Model	Engine Type	Engine Code	Year
Citroen	Nemo	1.3 HDi	FHZ (F13DTE5)	2010-2015
Fiat	Doblo	1.3 JDi MultiJet	188A9.000	2004-2006
	Doblo Cargo	1.3 JTD	188A9.000	2004-2006
	Idea	1.3 JDi MultiJet	199A3.000, 188A9. 000	2004-2006
	Panda	1.3 JDi MultiJet	169A1.000, 188A8.000	2003-2009
	Punto	1.3 JDi MultiJet	188A9.000	2003-2007
Ford	KA	1.3 TDCi	167A1.000 (FD4) BAAA/B	2008-2015
Peugeout	Bipper	1.3 Hdi	F13DTE5 (FHZ)	2010-2015
Vauxhall/Opel	Agila	1.3 CTDi	Z13DT	2003-2008
	Astra-H	1.3 CTDi	Z13DTH	2004-2009
	Combo-C	1.3 CTDi	Z13DT	2003-2009
	Corsa-C	1.3 CTDi	Z13DT	2003-2007
	Corsa-D	1.3 CTDi	Z13DTH Z13DTJ	2006-2009
	Meriva	1.3 CTDi	Z13DT	2004-2009
	Tigra-B	1.3 CTDi	Z13DT	2004-2009
Suzuki	Ingis	1.3 CTDi	Z13DT	2003-2009
	Swift	1.3 CTDi	Z13DT	2003-2010
	Wagon	1.3 CTDi	Z13DT	2003-2009

H.C.B-A1571 VAUXHALL/ OPEL/ CHEVROLET/ SAAB/ ALFA/ FIAT PETROL ENGINE TIMING TOOL KIT

科魯茲 / 飛雅特 / 歐寶汽油引擎工具組



- Application:
  Vauxhall, Opel: Corsa-D, Agila, Astra-G-H, Meriva, Zafira-B, Vectra-C, Signum, Insigna
  Engine: 1.6, 1.8 L
  Engine codes: Z16LEL, Z16LER, Z16LET, Z16XE1, Z16XEP, Z16XER, A16XER, 18XER, A18XER, 2HO/A18XEL
  Chevrolet: Aveo, Cruze, Orlando
  Engine: 1.4, 1.6, 1.8 L
  Engine codes: G14D, LDD, LXV (F16D4), 2HO(Z18XER)
  Alfa Romeo: 159
  Fiat: Croma
  Engine: 1.8 L
  Engine codes: 939A4.000



Item no.	OEM no. ref.	Description
1	KM 6628A 2 000 012 000	Camshaft Locking Bar
2	KM 6340 2 000 012 100	Camshaft Pulley Locking Tool(2)
3	KM 6625 2 000 012 800	Flywheel Holding Tool
4	KM 6130 KM 6349	Tensioning Pin
5	KM 6333	Tensioner Locking Pin
6	KM 911	Flywheel Locking Tool
7	KM 652	Flywheel Locking Device

H.C.B-A1890 NEW FIAT (1.2/ 1.4L 8V) TIMING TOOL KIT

飛雅特 (1.2/ 1.4L 8V) 正時工具組

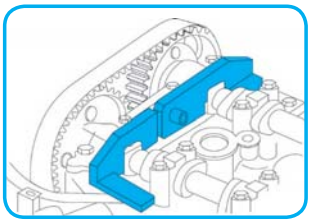


- Designed for locking the camshaft and crankshaft in place while replacing the timing belt and performing other repairs on Fiat engines.
- Applicable Models:
  Fiat: 500 (07-12), Doblo/Cargo (05-10), Grande Punto (07-12), Idea ((04-12), Linea (07-11), Panda EVO2 (05-11), Punto EVO (09-12)
  Ford: Ka (09-12) Lancia: Ypsilon (06-11), Musa (05-12)
- Applicable Engines:
  Fiat: 1.2/1.2 Duralogic 169A4.000, 188A4.000 (EVO2 only), 199A4.000, 1.4/1.4 Bi-Fuel LPG/1.4 Natural Power CNG 199A7.000, 350A1.000
  Ford: 1.2 Duratec 169A4.000 (FP4)
  Lancia: 1.4/1.4 Bi-Fuel LPG, 350A1.000
- **OEM No. ref.:**
  FIAT: 1.860.987.000, 2.000.004.500 (2.190.754.500), 2.000.004.400 (2.190.754.400), 2.000.004.200 (2.190.754.200), 2.000.004.300
  Ford:Crankshaft Locking Tool - OEM Code: 303-1480
  Camshaft Setting Tool - OEM Code: 303-1479
  Camshaft Sprocket Locking Tool - OEM Code: 303-1477
  Camshaft Cover Aligner - OEM Code: 303-1478
  Tensioner Adjuster

H.C.B-A1643 PSA/ PEUGEOT/ CITROEN 1.0/ 1.2 VVT PETROL ENGINE TIMING TOOL KIT

PSA/ PEUGEOT/ CITROEN 1.0/ 1.2 VVT 汽油引擎正時工具組





- Designed to hold the camshafts and crankshaft in their timed position during belt replacement.
- Applications:
  Citroen C3 (III)/DS3/DS3 Cabrio/C-Elysee and Peugeot 2008/208/308&latest generation Citroen/Peugeot EBO & EB2 1.0L and 1.2L 3 cylinder engines.
- Peugeot: 208, 2008.
- Citroen: C3 (III).
- Engine: 1.0 VTi, 1.2 Vti.
- Engine codes: EBO (ZMZ), EB2 (HMZ).
- **OEM no. ref.:** 0109-2A, 0109-2B

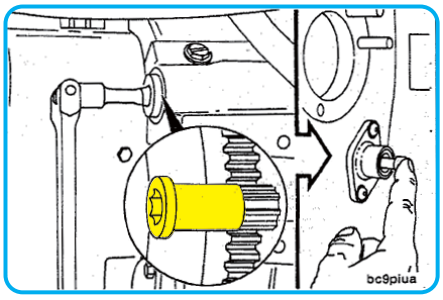
Manufacturer	Model	Displacement	Fuel	Engine Code	Year
Citroen	C3 III	1.0 L	Petrol	ZMZ (EBO)	2012
	C3 III	1.2 L	Petrol	HMZ(EB2)	2012
	DS3/DS3 Cabrio	1.2 L	Petrol	HMZ(EB2)	2013
	C-Elysee	1.2 L	Petrol	HMY (EB2M)	2012
Peugeot	2008	1.2 L	Petrol	EB2 (HMZ)	2013
	2008	1.2 L	Petrol	EB2 (HMZ)	2013
	2008	1.2 L	Petrol	EB2 (HMZ)	2013
	208	1.0 L	Petrol	EBO (ZMZ)	2012
	208	1.2 L	Petrol	EB2 (HMZ)	2013
	208	1.2 L	Petrol	EB2 (HMW)	2012
	208	1.2 L	Petrol	EB2 (HMZ)	2012
	208	1.2 L	Petrol	EB2 (HMZ)	2012
	308	1.2 L	Petrol	EB2 (HMZ)	2013
	308	1.2 L	Petrol	EB2DTS (HNY)	2014

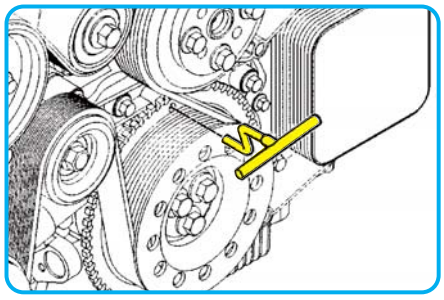
H.C.B-A1543 CUMMINS TIMING TOOLS

康明斯正時工具組

- This Cummins barring tool is used to rotate the engine by inserting it into a port located on the bell housing/engine adapter plate.
- It provides an easy way to rotate the engine for valve adjustments or injection pump timing.
- Feature a 1/2” female square drive.
- **Cummins OEM no. ref.:** 3824591/4919663/4919107







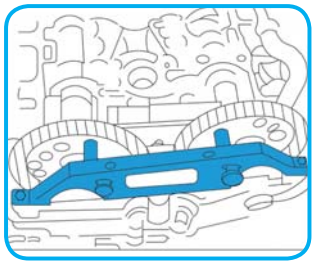
H.C.B-A2214 OPEL 2.2 16V TWIN CAM TIMING TOOL KIT

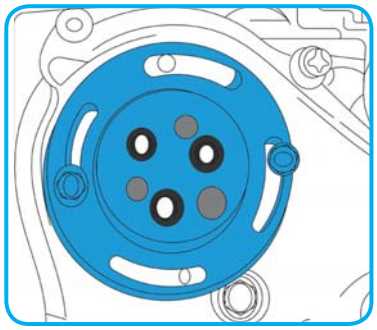
OPEL 2.2 16V TWIN CAM 引擎正時工具

5 / 6 / 6.6 / 1.5'

- To lock or position the camshaft and the timing chain tensioner during engine repairs.
- To remove and install the water pump. It is necessary to lock the water pump belt pulley by means of the tool.
- Kit for engine timing when carrying out cylinder head work and water pump replacement without the timing chain being disturbed for 2.2 chain drive Vauxhall / Opel engines.
- Application: Opel Twin Cam 2.2 16V petrol engines Astra, Signum, Speedster, Vectra and Zafira etc.







H.C.B-A2199 RENAULT ENGINE TIMING TOOL KIT

雷諾引擎正時工具組

5 / 13 / 13.5 / 1.59'

- This new camshaft pulley setting tool holds two pulleys in place while changing the cam belt and correct engine timing to be performed when changing the timing belt.
- Application: RENAULT 16V & K4J, K4M & F4P, F4R.And petrol 1.4, 1.6, 1.8, and 2.0 L engines.





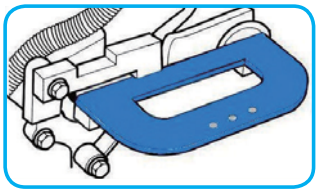


H.C.B-B2199 RENAULT ENGINE TIMING TOOL KIT

雷諾引擎正時工具組

- This new camshaft pulley setting tool holds two pulleys in place while changing the cam belt and adjust engine. Timing to be performed when changing the timing belt.
- Application:
  Renault, 16V & K4J,K4M & F4P,F4R.
  1.4 16V K4J.
  1.6 16V K4M.
  1.8 16V F4P & F4R (langunall)





H.C.B-A2123 UNIVERSAL CAMSHAFT ALIGNMENT TOOL

圓孔型雙凸齒輪固定器

- By using sockets to lock onto camshaft central screw.
- Adjustable to fit most kinds of vehicle.
- Special design to align camshaft and remove or install the guide rail pin.





H.C.B-A2221 UNIVERSAL CRANKSHAFT/CAMSHAFT SEAL REMOVER/INSTALLER KIT

萬用凸輪軸 / 曲軸油封拆裝工具組

10 / 18 / 19 / 1.8'







- To replace crankshaft / camshaft seal without dismantling the crankshaft / camshaft case.
- Save your time and cost. Do not worry about scraping the crankshaft / camshaft surface.
- Apply for wide range of cars with oil seals, the diameter between 27 mm and 58 mm.
- Use the existing bolt in the vehicle for installation.
- Screw-type adapter to fit the centering.
- The blue seal adapters are made of aluminum to prevent damage from crankshaft / camshaft.

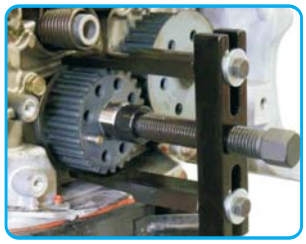
Note: Some camshaft seals have screws to prevent removing.
Do not use this tool by force.

H.C.B-A1189 GEAR PULLER (THIN JAWS)

曲軸正時皮帶盤拆裝工具組 (薄爪)

24 / 18.5 / 19.5 / 1.41'





- Special puller with ultra thin jaws for removal of crankshaft timing gear.
- Depth: 100 mm.
- Outside: 40-90 mm.

H.C.B-A1143 CHRYSLER CRANKSHAFT PULLEY REMOVER/ INSTALLER

克萊斯勒皮帶盤拆卸器



H.C.B-B1143 CHRYSLER CRANKSHAFT PULLEY REMOVER/ INSTALLER

克萊斯勒皮帶盤拆卸器



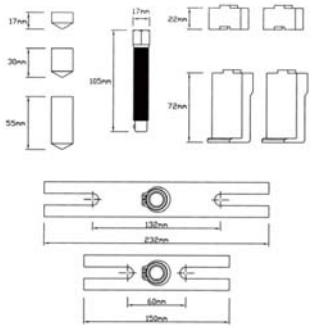
- Two tools are combined in one! On car maintenance. This tool is necessary when servicing the crankshaft pulley on 1981 and newer CHRYSLER cars.
- It removes / installs the crank gear while the engine is still installed on the vehicle.
- No damage to either the gear or crankshaft.

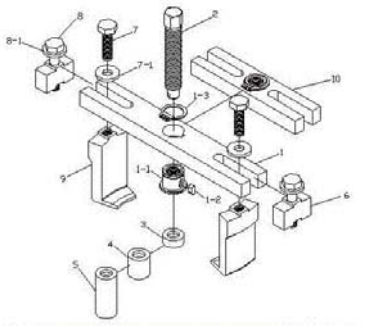
H.C.B-A1115 UNIVERSAL CRANKSHAFT PULLEY & CAMSHAFT PULLEY PULLING AID PAT. M 253504

可換式皮帶盤拔卸組

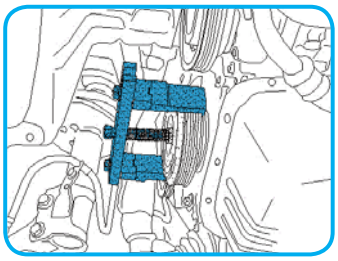
5 / 15.4 / 16 / 0.74'

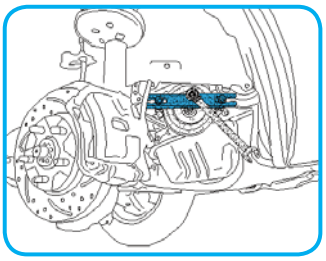






- The kit contains a range of long and short identities, bolt, C-ring, replaceable nut, key, screw, washer, extending block, claw, and center pushing rod.
- This kit is useful when the crankshaft pulley and camshaft pulley get stuck.
- The bolt, C-ring, replaceable nut and key are designed to insert into the identity for removing and installing the crank shaft pulley and camshaft pulley.
- The screw, washer, extending block, and claw are designed to fix on the extremities of the identity.
- The center pushing rod is to fasten the replaceable nut and the key.
- Special bolt with rolling bead is designed to protect the C-ring from being broken.
- The long and short identities, center pushing rod, and screw are universal according to the size of crank shaft pulley and camshaft pulley during operation.
- The extending block could extend the length of the claw according to the height of pulley, so as to protect the pulley from damage.
- The bolt and groove of bolt's hole are replaceable while broken instead of replacing identity itself.
- The long and short identities are time and money saver.
- Two sizes for the identity:
  -Long: 17 x 36 x 232 L
  -Short: 17 x 36 x 150 L
- Two size for the screw:
  -Long: M10 x P1.5 x 50 L
  -Short: M10 x P1.5 x 30 L
- Three sizes for the center pushing rod:
  -Long: ø22 x 55 L
  -Middle: ø22 x 30 L
  -Short: ø22 x 17 L





H.C.B-A2243 BELT INSTALLING TOOL KIT

皮帶安裝工具組

- This tool kit can quickly and easily remove and install the new elastic ribbed belts required.
- Special designed kit for installing the new belt onto the pulley.
- Application: Alfa Romeo, BMW, Chrysler, Fiat, Ford, Mercedes, PSA, Seat, Skoda, Smart, Volvo, VW-Audi, Mazda, Lancia, Citroen, etc...



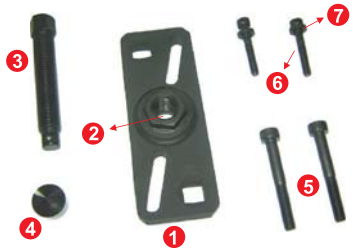




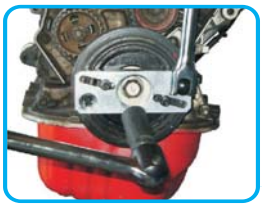
H.C.B-A2179 ON CAR UNIVERSAL CRANK PULLEY HOLDING PLATE

固定式曲軸皮帶盤拆裝組

25 / 25 / 26 / 0.6'



ON TOYOTA CAR


1. Pulley holding


2. Pulley removal/installation


3. Pulley removing

- This tool is designed to hold the camshaft pulley steadily while loosening and tightening the center shaft bolt.
- Using the central threaded rod to uproot the pulley.
- Locking screw: M6, M8.

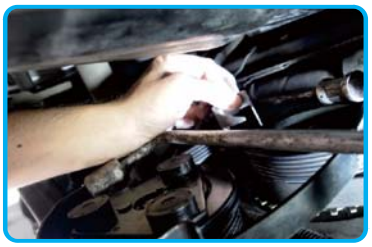
Part No.	Part Name	Size (mm)	Q'ty	Material	Hardness
1	Main Body	L 134 × W 50 × H 16	1	SCM440	HRC 40 - 45°
2	Nut	H 24 × D: M40 × P 1.5 × d: M16 × P 2.0	1	S45C	HRC 40 - 45°
3	Bolt	H 17 × Ø M 16 × P 2.0 × L 105	1	S45C	HRC 45 - 50°
4	Center Pushing Rod	Ø 22 × L 17	1	S45C	HRC 35 - 40°
5	Screw	M 8 × P 1.25 × L 68	2	SCM	HRC 35 - 40°
6	Screw	M 6 × P 1.0 × L 46	2	SCM	HRC 35 - 40°
7	Washer	D: 13 × d: 6.1	2	S45C	HRC 30 - 35°

H.C.B-A1440 MAZDA 3/MAZDA 5/FORD FOCUS AIR CONDITIONING COMPRESSION BELT INSTALLER

MAZDA 3/MAZDA 5/FORD FOCUS 冷氣壓縮機皮帶安裝器

- To fasten the belt when installing the belt.
- Application : MAZDA 3/ MAZDA 5/ FORD FOCUS.





H.C.B-A1054-2 UNIVERSAL SEPARATOR (R2) PAT. 172921

萬用拔卸器 (R2)

12 / 17.7 / 20.5 / 1.05'



- Multi-purpose puller set for balancer, puller & gear.
- Screw specification: M8 x P1.25 x 3 PCS, M10 x 1.5 x 3 PCS.
- Application: FORD R2 diesel engine 2000 C.C., TOYOTA crankshaft pulley, LEXUS GS 300(1999-2004).
- N.W.:1.47KGS.
- G.W.:1.62KGS.


H.C.B-A1054-2 on LEXUS GS300 (1999-2004)





H.C.B-A1054-4 STEERING WHEEL PULLER BOLT (EXTENDED)

方向盤拔卸器螺絲 (加長型)



H.C.B-A1157 GEAR TYPE ENGINE MOUNTING BRACKET

齒輪式引擎拆裝架

1 / 65 / 70 / 12'

H.C.B-A1157-1 MULTIPLE FUNCTION TABLE GEAR-TYPE ENGINE MOUNTING BRACKET



多用途桌上型引擎拆裝架

- Apply to all kinds of vehicles' engines . It can be disassembled and mounted on the table for engine maintenance.
- Gear-type drive makes it 360°rotatable to offer multiple angles of position for maintenance.
- It can be combined with H.C.B-A1117-4 or H.C.B-A1097-5 to dismantle and assemble all kinds of transmissions overhaul.
- Best tool for engines and transmissions overfull.

H.C.B-A1157-2 FIXING BASE

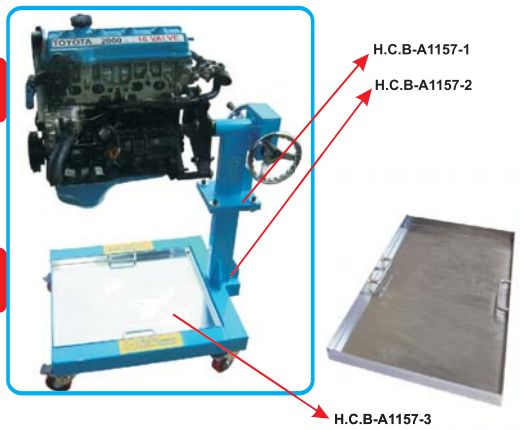
固定式底座

- Four wheels with brake mechanism makes it stable during holding engine or transmission.

H.C.B-A1157-3 SLOP OIL PAN

廢油盤

- Special design makes it light-weight and handy. With two handle bar, it is easy to handle waste oil.

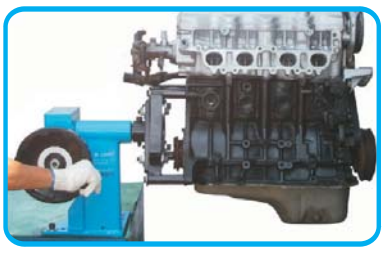


H.C.B-A1097 UNIVERSAL GEAR TYPE ENGINE K/D RACK USA PAT. PEN PAT.089901

齒輪式引擎拆裝架

- Rotating engine by gear which can assemble & disassemble engines more convenient and labor-saving.
- Small volume, store up very easy.
- DIM. 34.5 x 40 x 43.5 cm
- N.W.: 29.5 KGS





H.C.B-A2014 FOLDABLE ENGINE CRANE (1 TON)

1 噸引擎吊架

1 / 81.1 / 96.6 / 22.49'

- This tool is designed to hang up the engine.
- Fast folding for easy storage and transportation.

Foldable





H.C.B-A2014-1 8 TONS HYDRAULIC JACK, LONG RAM

8 噸千斤頂

- This jack can easily handle lift jobs up to 8 tons.
- An ideal jack for hydraulic craning, engine hoisting and has a wide variety of other applications.



H.C.B-B2014 UNIVERSAL ENGINE LIFTING BRACKET

萬用發動機維修起吊支架

- Combine with A2014.
- Capacity: 600 KGS





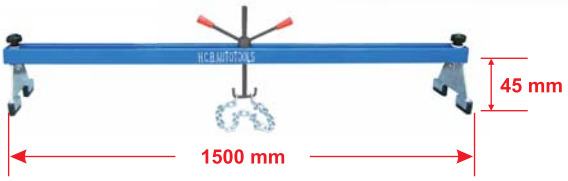


H.C.B-A2016 ENGINE STABILIZER BAR

引擎平衡桿 (固定架)

2 / 24.4 / 27 / 2.27'

- Stradding the inner wells and acting as a bridge to support engines.
- The bridge is adjustable in high and width to fit all vehicles fender walls and securely hold engine including slider bolt that can be positioned anywhere on the bar for best weight distribution.
- Specification: W: 1500 mm x H: 45 mm





H.C.B-B2016 ENGINE STABILIZER BAR (EXTENDED FIX BASE)

引擎平衡桿 (加高型固定架)

2 / 29 / 33 / 2.27'

- With extended fix base, it can stand on more kinds of vehicles' fender walls.
- With two hooks and two chains (attached), it is good for securely hoisting all kinds of engines and transmission.
- Specification :
  W: 1500 mm x D: 247 mm x H: 270 mm



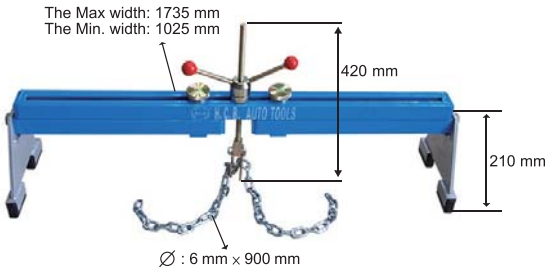


H.C.B-C2016 UNIVERSAL TRANSVERSE ENGINE STABILIZER BAR

萬用可調式引擎平衡桿

2 / 28 / 32 / 2.45'

- There are two ways to hold the chain with a hook into a loop. Please see picture 1 and 2. Put a hook and slide it onto a loop of the chain. Check it to see if the loop is securely held by the hook.
- The width from Min to Max is 1025 mm to 1735 mm, saving space for storage. It is applicable to all kinds of engines.
- N.W.: 14KGS
- The following are the common features for above-mentioned three tools:
  1.Straddling the inner fender walls and acting as a bridge to support engines.
  2.Adjustable in height and width to bridge various vehicle fender walls and securely hold engine in place.
  3.Including slider bolt that can be positioned anywhere on the bar for the best weight distribution.



PICTURE 1

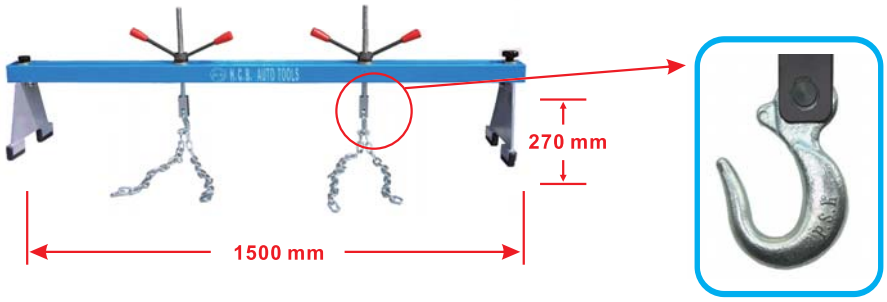


PICTURE 2



H.C.B-D2016 DOUBLE HOOKS ENGINE STABILIZER BAR

雙勾引擎平衡桿

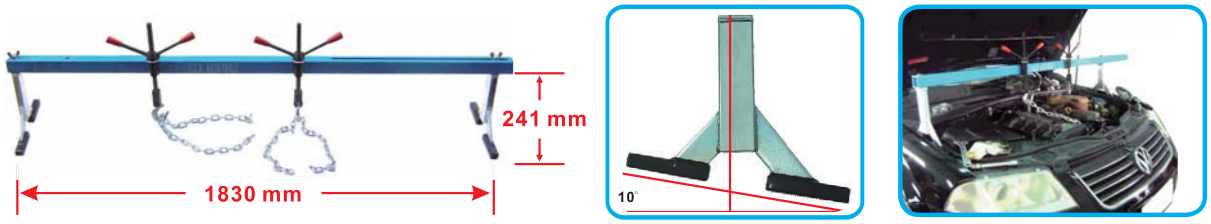


H.C.B-E2016 VW SEDAN ENGINE STABILIZER BAR

VW 轎車引擎平衡桿

1 / 18.5 / 19.5 / 2.38'

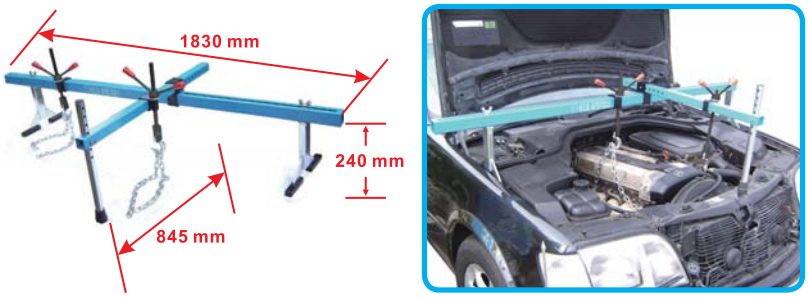
- Application: All VW sedans. The supporting plates slanted 10˚ to fit the angle of VW sedans.
- Capacity : 1000 LBS.



H.C.B-F2016 UNIVERSAL ENGINE STABILIZER BAR (TRI-BRANCHES)

萬用引擎平衡桿 (三叉式)

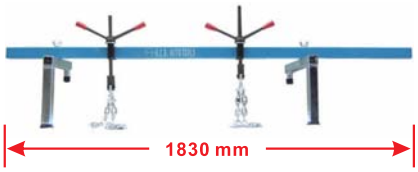
1 / 23 / 24 / 2.38'



- The main body is made from 50 mm square tube in 1830 mm length. Two removable supporting plates with rubber pad can prevent body of car from scraped.
- The adjustable 40 mm square tube in 845 mm length offers the third support to avoid the engine toppling down. It is a special design with safe and convenience.
- Two forged hooks and chains make it easy to hang on all kinds of engine.
- Application: all vehicles.
- 50㎜方形管、長1830㎜，搭配兩只可移動式、包覆橡膠的腳墊，可防止刮傷車身。
- 40㎜方形管、長845㎜，提供第三點支撐可防止引擎傾倒。安全又便利的特殊設計。
- 鍛造吊勾搭配吊鍊，方便吊掛各式引擎。
- 適用：各式車種。

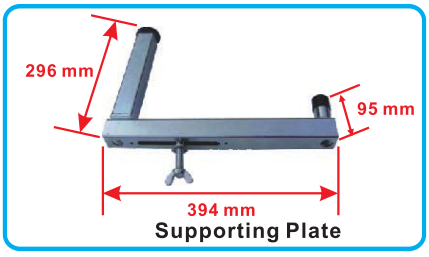
H.C.B-G2016 VW T4 ENGINE STABILIZER BAR

VW T4 引擎平衡桿



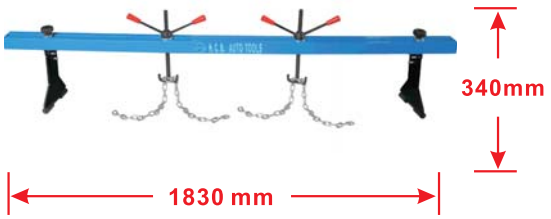


■ Applicable: VW T4.



H.C.B-H2016 ENGINE LIFTING BAR (IMPROVEMENT)

引擎平衡桿 (完美改良型)







- With extended fix base and adjustable supporting seat, it can be used on most of cars. With round rubber pad it can stand steadily.
- With two hooks and two chains , it is good for securely hoisting all kinds of engines and transmission.
- Specification: W 1830 mm x D 210 mm x H 340 mm.
- 改良版的加長基底座，可旋轉角度，幾乎各種車種使用。底座有橡膠墊支撐，不會損壞車子，且更牢固。
- 兩條鉤子與鏈條的搭配，可將引擎及變速箱更確實地平衡固定。

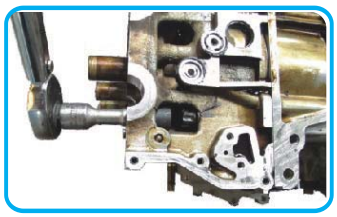
H.C.B-B1223 NISSAN SPECIAL 6-POINT-STAR IMPACT SOCKET (Dr. 1/2", M12S)

NISSAN 特殊套筒 (Dr. 1/2", M12S)

- To remove and replace the bolt on head gasket.
- Size: Dr. 1/2" × M12S × 38 mm
- Engine tool for NISSAN.

Drive	Size	Length (mm)	Weight (g)
1/2"	12S	38	72





H.C.B-C1223 NISSAN SPECIAL 6-POINT-STAR IMPACT SOCKET (Dr. 1/2", 8S)

NISSAN 特殊套筒 (Dr. 1/2", 8S)

- Engine tool for NISSAN.

Drive	Size	Length (mm)	Weight (g)
1/2"	8S	38	50



H.C.B-D1223 SPECIAL 6-POINT SOCKET (Dr. 1/2", 6S)

特殊套筒 (Dr. 1/2", 6S)

Drive	Size	Length (mm)	Weight (g)
1/2"	6S	38	47

- Application: Volvo S40 variable valve pulley nut.







H.C.B-E1223 NISSAN SPECIAL 3-POINT-STAR IMPACT SOCKET (Dr. 1/2", 8TS)

NISSAN 特殊套筒 (Dr. 1/2", 8TS)

Drive	Size	Length (mm)	Weight (g)
1/2"	8TS	38	45



H.C.B-A1098 HAND HOLDING VALVE SPRING COMPRESSOR

握把式汽門彈簧壓縮組

- For both the removal and assembly of valve springs where only hand pressure is required.
- Ideal for the replacement of valve stem seals without removing the cylinder head.
- Used when the valves on No.1 cylinder are to be used for setting piston height for valve timing.
- This useful tool is supplied with 2 adapters: 25 mm and 30 mm.



H.C.B-A2116 VALVE SPRING COMPRESSOR KIT

免拆式凡爾鉗

5 / 17.7 / 18.7 / 2'



- This is a kit with everything you need to remove & install the valve spring with the cylinder head on or off the OHV & OHC petrol or diesel engines.
- An ideal tools kit for most of engines.
- The multi-point adjustable base of this tool bolted securely to the head while the adjustable lever mechanism pivots form the beam .Thus, compressing the spring quickly by one hand operation.
- Fast removal & installation of the spring retaining keeper. Can be easily accomplished through the large open on both sides of the compressing tube.
- On car maintenance.

H.C.B-C1376 UNIVERSAL VALVE SPRING REMOVER/ INSTALLER PAT.M411316 & M409923 DE PAT.

多功能免拆式汽門彈簧拆裝工具組

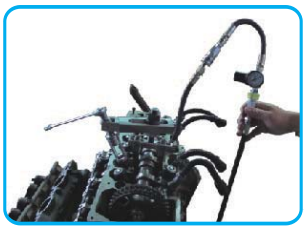


- Replace valve spring and oil seal of valve rod on car, without removing head gasket.
- Work great in the narrow engine room.
- Save enormous time from the replacement of valve stem seals.
- Special design helps compress valve spring regardless of firewall barrier.
- Apply for European,and Japanese cars.
  Such as BENZ, VOLVO, TOYOTA TERCEL, MITSUBISHI SAVRIN, VW, FORD, MAZDA Tribute etc.
- Especially suitable on BENZ V6 Engine and BMW V8 Engine.
- Application:
  BENZ M102, M103, M104, M111, M112, M113, M271, M272.
  BMW N20, N42, N52, N62, N63, M60, FORD, MAZDA TRIBUTE FORD, MAZDA TRIBUTE

Gain Germany and Taiwan patent.
A1376 has adapters application in universal cars.
C1376 has additional six adapters for BMW N42/N52/N54/E65/E66 and BMNZ M102/M103/M272/M273 and N63 (X6 4400 c.c.)









No.18	BMW N52、N54,Mercedes Benz M272,M273
No.19	BMW N52、N54, Mercedes Benz M272、M273
No.20	For BMW E65/E66 BMW N52、N54,Mercedes Benz M272、M273
No.21	For BMW N42
No.22	For BENZ M102/M103
No.23	For N63/ X6,4400c.c.
No.24, No.25	For BMW N20



No.20
D:24
d:21
L:53.5 mm



No.21
D:20
d:17
L:53.5 mm



No.18 M12 x P1.25 x L330 mm



No.19 M7 x P1.0 x L70 mm



No. 22 M8

M12 x P.1.25



No.23 can use on N63 (X6 4400 cc.)



No. 24 (M6 × P1.0 × 85 L)



No. 25 (M6 × P1.0 × 30 L)

No. 24, No. 25 can use on BMW N20

H.C.B-A1376 UNIVERSAL VALVE SPRING REMOVER/INSTALLER PAT. M411316 & M409923 DE PAT.

多功能免拆式汽門彈簧拆裝工具組

- Applicable engine model:
  Benz M102, M103, M104, M111, M112, M113, M271, M272.
  BMW N42, N52, N62, M52, M54, M56
  TOYOTA-Tercel, FORD, MITSUBISHI SAVRIN, VW, AUDI



H.C.B-A2156 VALVE SPRING COMPRESSOR

萬能凡爾鉗

- Reversible jaw adaptor for multi-valve engines.
- Capacity 45-145 mm, throated clearance 250 mm big window jaw adaptor for easy replacement of valve collects.
- Dual size in 25 mm and 30 mm diameter.



H.C.B-A2223 VALVE OIL SEAL REMOVER/ INSTALLER KIT

汽門油封拆裝組

10 / 18 / 19 / 2.1'

- Work on both valves still seated or removed.
- To guide and set the seal by seal driving adapters.
- Specification:
  A. deep seal driving sockets for seals O.D. 10.8-14.8 mm (2 pcs)
  B. seal driving adapters: fit seals 5, 5.5, 6, 6.6, 7, 8 & 3/8" mm (7 pcs)
  C. valve stem seal pliers (1 pcs)
  D. drive handle 6" (150 mm) long (1 pcs)



H.C.B-A1193 CADILLAC NORTHSTAR/OLDSMOBILE AURORA WATER PUMP R&R SOCKET (4600 c.c.) (Dr. 1/2", 6 TEETH)

凱迪拉克 NORTHSTAR/OLDSMOBILE AURORA 水幫浦拆裝套筒(4600 c.c.) (Dr. 1/2", 6 齒)

- This unique socket is used for removing and installing the water pump on Cadillac Northstar 4.6 Liter V-8 engines 1993 and later Oldsmobile Aurora 4.0 Liter V-8 engines 1997 and later.





H.C.B-A1142 GAS REVOLUTION HOLDER BAT

油門轉速固定器

- This tool is designed to help the technicians to hold a stable RPM for functional check or troubleshooting on the engines.
- Application: all kinds of vehicles, sedan, RV, SUV, turcks…etc.
- Mount one end of holder bat on gas paddle,another end at the steering wheel.

Note: Adjustable nut should face upward.

- Adjust the nut clock-wise to increase the RPM (extend holder bat) required,otherwise counter clock-wise revolution will reduce the RPM.
- Combine the tool with chemicals to clean the engines.





H.C.B-B2026 HEAVY DUTY SPARK PLUG FIRING TESTER

調整式火花測試器





- To judge the quality of coil according to spark color and distance.
- The car factory choose the appropriate coil depends on engine and ignition system.
- Application:
  The normal spark distance is 2 cm, and the shape is straight with violet blue color. The coil is aged or defect if the spark is either red or curved.
  Spark plug in oil vapor that spark ignition cylinder, and also in combustion chamber with pressuring. Higher pressure would cause larger impedance of spark plug. In order to apply many kind of compression ratio of engine, adjust the distance of spark tester to simulate the state of cylinder is burning.

H.C.B-A2033 STRAIGHT EDGE

汽缸平面量規壓尺





- Great stability with 5/8" width, 1-3/8" height and 20-1/2" length.
- Convenient hanging hole and edge protector.
- Use feeler gauges to check for distortion in engine blocks, cylinder head and flywheels.
- G.W:2.4 KGS
- Material: S50C
- Hardness: HRC 43°~48°
- Parallel accuracy: ±3°
- L x W x H: 600 x 16 x 36 mm
- Check for warpage across the head surface with the headclean and dry.
- Use a precision straight-edge and a feeler gauge to measure the head for warpage.
- If it is less than 0.002" (0.05 mm), resurfacing is not required. If warpage is between 0.002-0.008" (0.05-0.2 mm), the head must be resurfaced. The standard is 95 mm (3.66"). The max surfacing clearance is 0.008" (0.2 mm).

H.C B-A2027 SEAL PULLER

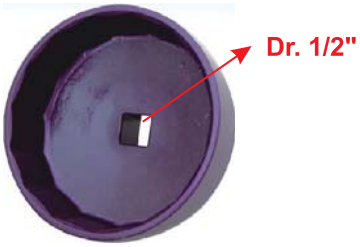
油封拉拔器 (雙頭大型)



- Remove oil & grease seals.
- Two tips fit most application.
- N.W.: 0.36 KGS

H.C.B-A1166 HYUNDAI TRAJET (DIESEL ENGINE) OIL FILTER WRENCH (Dr. 1/2", 15 POINTS, 82 mm)

HYUNDAI TRAJET(柴油休旅車) 機油芯拆裝器 (Dr. 1/2", 15 角 , 82 mm)



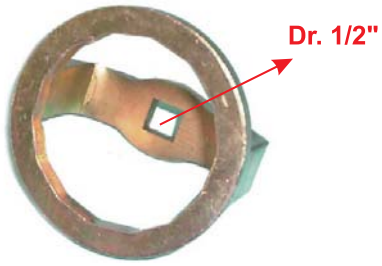
- Dr.1/2", 15 POINTS, 82 mm
- Application: HYUNDAI TRAJET (diesel engine)

H.C.B-A2018-4 MITSUBISHI OIL FILTER WRENCH (Dr. 1/2", 14 POINTS, 66 mm)

三菱機油芯扳手 (Dr. 1/2", 14 角 , 66 mm)

30 / 8.1 / 10 / 1.49'

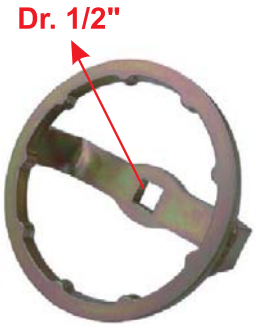
- Size: 14 points, 66 mm
- Application: LANCER 1.6T & VIRAGE 1.8T
- Genuine NO.: MD349105



H.C.B-A2018-6 VW OIL FILTER WRENCH (Dr. 1/2", 9 RIBS, 95 mm)

VW 機油芯扳手 (Dr. 1/2", 9 齒 , 95 mm)

- N.W.: 0.394 KGS





BOSCH 0 451 203 087
T4 2400C.C. Diesel,
2500C.C. Gasoline



Audi 078 115 561 J
Audi A4 (2800C.C.),
Audi A6 (3000C.C),
VW Passa (2800C.C.)

H.C.B-A2018-7 RENAULT OIL FILTER WRENCH (Dr. 1/2", 6 RIBS, 66 mm)

雷諾機油芯扳手 (Dr. 1/2", 6 齒 , 66 mm)

- Size: 66 mm
- N.W.: 0.202 KGS







H.C.B-A2018-8 NISSAN OIL FILTER WRENCH (15 POINTS, 80 mm)

NISSAN 機油芯扳手 (15 角 , 80 mm)

- N.W.: 0.292 KGS





H.C.B-A2018-9 NISSAN OIL FILTER WRENCH (15208 53J00) (14 POINTS, 64 mm)

NISSAN 機油芯扳手 (15208 53J00) (14 角 , 64 mm)

- Size: 14 points, 64 mm
- Genuire no.: 15208 53J00
- N.W. : 0.248 KGS





H.C.B-A2018-10 NISSAN OIL FILTER WRENCH (15208-31U01 MD136466) (14 POINTS, 63 mm)

NISSAN 機油芯扳手 (15208-31U01 MD136466) (14 角 , 63 mm)

- Genuine No. : 15208-31U01 MD136466
- N.W. : 0.294 KGS





H.C.B-A2018-15 MITSUBISHI SAVRIN (2000 c.c.) OIL FILTER WRENCH (15 POINTS, 79 mm)

三菱 SAVRIN (2000 c.c.) 機油芯扳手 (15 角 , 79 mm)







- Genuine No.: MD136466
- Application:
  Mitsubishi SRV – Savrin 2.0 L (**Oil filter OEM No. ref.:** MD136466),
  Subaru WRX 2.0 (2015 - 2016) (**Oil filter OEM No, ref.:** 15208AA170),
  Subaru WRX STI (2015 - 2016) (**Oil filter OEM No, ref.:** 15208AA170).

H.C.B-A2018-16 SUZUKI SWIFT OIL FILTER WRENCH (Dr. 1/2" ,14 POINTS, 65 mm)

SUZUKI SWIFT 機油芯扳手 (Dr. 1/2",14 角 , 65 mm)

- Oil Filter No. : 16510-61A01-T
- Application: SUZUKI SWIFT





H.C.B-A2220 FILTER SOCKET MASTER KIT (7 PCS)

機油芯扳手組 (7 PCS)



Item No.	Size	Suitable
A2220-A	24mm	Cadillac 36
A2220-B	27mm	Benz A Class,VW,2.8L, 3.2L & 3.6L V6 Cadillac CTS,STS and SRX Buick Rendezvous Ultra, Lacrosse CXS and Saturn L3000,SAAB 9-5 & Benz 1.8L
A2220-C	29mm	Dodge Cummins Fuel Filter Housing
A2220-D	32mm	2.2 Saturn Ecotec, SAAB and GM
A2220-E	35/36mm	Ford 6.0L Diesel Fuel and Oil Filter Hosuings, Mini Cooper and Some BMW Oil Filter Housings and Mack Truck Oil Filter Housing / VWT5
A2220-F	38mm	Vauxhall / Vectra 2 Liter Diesel Engine
A2220-G	30mm	Korean Car



H.C.B-A2239 OIL FILTER WRENCH (14 POINTS, 65 mm)

機油芯扳手 (14 角 , 65 mm)

- Size: 14 points, 65 mm



H.C.B-A2240 OIL FILTER WRENCH (14 POINTS, 66.5 mm)

機油芯扳手 (14 角 , 66.5 mm)

- Size: 14 points, 66.5 mm
- Application:
  Socket fits between the exhaust manifold and the oil filter for easy removal and installation of the filter.
- Works on 2003 - newer SUBARU vehicles having the 2.5L 4-cylinder, turbo engine.



H.C.B-B2172 MITSUBISHI (VERYCA 1.3 L 4WD) BELT TENSION ADJUSTER

三菱 (菱力 1.3 L 四輪傳動) 惰輪皮帶張力調整器

- Two cylinder design to easily fix the tension pulley, and adjust by the 1/4” wrench.
- Application: MITSUBISHI (VERYCA 1.3 L) model with injection engine.





H.C.B-A2172 MITSUBISHI BELT TENSION ADJUSTER

三菱惰輪皮帶張力調整器

- Two cylinder design helps fix the tension pulley easily by the 1/4" wrench.
- Application: MITSUBISHI model with injection engine.





H.C.B-A2058 UNIVERSAL HOSE CLAMP REMOVER

可彎式喉式管束夾鉗

48 / 22 / 23 / 1.9'

- For replacemant of fuel, oil and water hose.
- Convenient for working in hidden areas and long distance.



H.C.B-B2058 UNIVERSAL HOSE CLAMP REMOVER

可彎式喉式管束夾鉗

- This tool is able to reach the working place where bare hands or other pliers are untouchable.
- Universal use on all kinds of clamps. Easy to use.
- Hose clamp with flexible 600 mm wire.





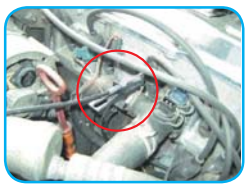
H.C.B-C2058 UNIVERSAL HOSE CLAMP REMOVER (EXTENDED)

可彎式喉式管束夾鉗 (加大型)

- For replacing the hose of fuel, oil and water.
- Application: BENZ, VW Passat Diesel.







H.C.B-D2058 ROPE HOSE CLIP PLIERS

鋼索式管鉗

- For replacement of fuel, oil and water hose.
- Hose clamp with flexible 600 mm wire.
- Convenient for working hidden areas and long distance.



H.C.B-A2042 UNIQUE COMPRESSION TESTER KIT

汽缸壓力錶 (膜片式)

24 / 20.8 / 22 / 1.63'

- Test compression on all cars and trucks with gasoline engines.
- Long flex NBR hose and adapters allow the compression test without removing engine accessories.
- 2-1/2" gauge-300 PSI and 0-21 KG
- Adapters included:

  1.Extension 14 mm thread head
  2.Extension aluminum tube
  3.NBR hose with 10 mm & 12 mm and 14 mm & 18 mm in two separate thread head.







H.C.B-A2054 GASOLINE ENGINE INJECTING PRESSURE TESTER KIT

汽油燃油壓力試驗器 (全車種)

5 / 21.2 / 22 / 4.91'


The uniquely designed relief valve


The gauge can be held easily with the attac


The quick coupling system

- This tester is for fuel injection pressure test with complete instruction manual.
- Application: American,Japanese and European cars.
- Easy to use and save time.
- Accurate, best choice for troubleshooting
- Specification:
  1. Large 3 inch gauge with dual readings of 0 PSI and 0 KPA to 800 KPA.
  2. A quick coupling designs: Adapters, gauges, and hose assemblies feature a quick Coupling system for speedy and efficient testing connection
  3. The uniquely designed relief valve relieves the pressure and the fuel safely.
  4. Easy to check fuel flow.
  5. No need for wrenches or hand tools.
  6. The special designed compact, neatly arranged plastic blow-molded case makes storage wasy.



H.C.B-A2063 COMPRESSION TESTER KIT

改良型汽缸壓力錶

10 / 12.5 / 13.5 / 1.26'



- Air gauge with quick coupling & releasing valve.
- Hight-tension cinnecting pipe with safety lock coupling.
- Crank shaft type test pipe with rubber.
- Transverse axis test pipe with rubber plug.
  10. M10 x 1.0 adapter
  12. M12 x 1.25 adapter
  14. M14 x 1.25 adapter
  18. M18 x 1.5 adapter

H.C.B-A2225 DIESEL ENGINE COMPRESSION TESTER KIT

柴油汽缸壓力錶



- Comprehensive test kit for both direct and indirect diesel injection cars.
- Simple & easy to use.
- Check engine compression under cranking conditions.
- Small profile, quick coupling adapters for speed & security.
- Built-in pressure relief valve enables repeat tests without dismantling.
- Flexible hose (355 mm) gives access to restricted plug & injector ports.
- Dual scale 80 mm dia gauge 0-1000 lb/in2 & 0-70 Bar.
- Application: BMW, BENZ, CARBODIES, CITROEN, DACIA, DIAHATSU, FIAT, FORD, HOLDEN, ISUZU, LAND ROVER, LEYLAND / DAF, MAZDA, MITSUBISHI, NISSAN, OPEL, PEUGEOT, RENAULT, ROVER, SEAT, TOYOTA, VAUXHALL, VOLKSWAGEN, VOLVO

Glowplug Adapter:

A2225-B	M10 x P1.25 x 73.5mm/L
A2225-C	M12 x P1.25 x 54mm/L
A2225-D	M14 x P1.25 x 72mm/L
A2225-H	M10 x P1.25 x 114.5mm/L
A2225-I	M10 x P1.0 x 119mm/L

Injector Adapter:

A2225-J	M20 x P1.5 x 78mm/L
A2225-F	M24 x P2.0 x 64mm/L
A2225-G	STANADYNE, ϕ 19mm, 112mm/L
A2225-E	DL, ϕ 21mm, 114mm/L

Clamp Plate: ϕ 17 mm (Hole), 63.5 mm/L, 25 mm/W

H.C.B-A2065 ENGINE OIL PRESSURE TESTER

機油壓力測試錶

10 / 13 / 14 / 3.02'

- Dial diameter: 2-1/2"
- Pressure range: 0-300 psi/0-21 KG/cm²
- Housing: black-painted steel
- Ring: chrome-painted steel
- Lens: acrylic
- Pointer: flat black-painted aluminum
- Rubber protector
- 6 ft (1.8 m) of oil proof hose with 1/8" PT.
- Also including 9 pieces adaptors.



H.C.B-A2066 VACUUM & FUEL PUMP PRESSURE TESTER

引擎真空與燃油壓力測試錶

24 / 19 / 19.5 / 2.45'

- Dial diameter: 3-1/2"
- Pressure range: 0-15 psi / 0-1 kg / cm² & 0-30 inhg / 0-76 cmhg.
- Housing: black-painted steel.
- Ring: black-painted steel.
- Lens: glass.
- Pointer: flat white-painted aluminum.
- Rubber protector.
- 6.5 mm brass fittings.
- 950 mm nbr hose with taper vacuum fitting.
- 3 pcs adaptors.



H.C.B-A2067 AUTOMATIC TRANSMISSION & ENGINE OIL PRESSURE TESTER

引擎機油測壓錶

14 / 114.3 / 15.8 / 2.39'

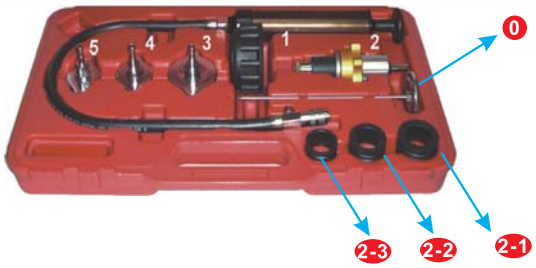
- Dual gauges
- Dial diameter: 2-1/2"
- Pressure range: A: 0~400 psi / 0~28 bar
  B: 0~100 psi / 0~7 bar
- Housing: black-painted steel
- Ring: chrome-painted steel
- Lens: acrylic
- Pointer: flat black-painted aluminum
- Rubber protector
- 6 ft (1.8 m) oilproof hose with super speed adaptor
- Including 9 piece of adaptors



H.C.B-A2096 UNIVERSAL RADIATOR PRESSURE TESTER KIT

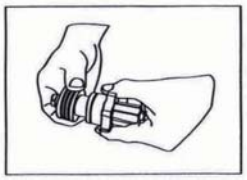
簡易式水箱測試組

5 / 12.5 / 13.5 / 2.64'

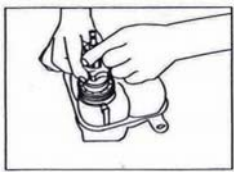


- This tester kit is used for checking the radiator to see if any water leaked because the body or the connector is not fitted properly or any broken. It is tested through pressure increase by using an adapter for closing the master or second inlet of the radiator then pushing the manual pump by hand.

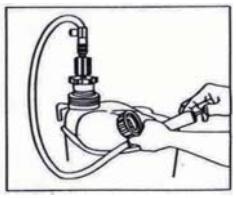
- **Contents:**
  # 0:Needle Thermometer
  # 1:Manual pump with quick joint & release valve
  # 2:Universal adapter with 3 rubber rings (used for cars not listed on Nos. 3-5) (See Fig.1,2,3)
  # 3:Japanese R123 adapter- suitable for Benz, GM(Buick) & Jeep
  # 4:Japanese R134 adapter- suitable for Peugeot, Subaru, Chrysler, Acure, GM(Nova,Spectrum & Sprint), Mitsubishi, Nissan, Mazda, Toyota, Infiniti, Geo, Suzuki, Isuze & Ford
  # 5:Japanese R125 adapter- suitable for Honda, Toyota, Suzuki, Mitsubishi, Chrysler & Acura


Fig. 1

- **Operation:**
  1.According to the type of car, choose a suitable adapter and screw it in the inlet of radiator then have the manual pump pressure increased to 15-20PSI and stay the level 5-10 minutes for checking.If the pressure in the meter lower automatically, then check the body of radiator or the connector joint to see if any leaked. If the pressure is kept same, then the radiator is in good condition.
  2.Before using No. 2 universal adapter, be sure to clear up the inlet of the radiator then check its size and chose an appropriate rubber ring to fit then screw securely to the inlet of the radiator. Before loosening the adapter and the manual pump, be sure to leak out the pressure to prevent the water coming out from the radiator.


Fig. 2

- **Warning:**
  1.While the water in the radiator stay in high temperature, please do not open the lid of radiator to prevent hot water come out.
  2.While No. 2 universal adapter is used, the pressure in the manual pump must be not above 15-16PSI to prevent the adapter shut off because of high pressure.
  3.While testing, if the pressure in the meter go lower but no water is leaked, then be sure to check the adapter if any not closed securely or the pump is broken.


Fig. 3

H.C.B-A2149 EXHAUST BACK PRESSURE GAUGE

排氣背壓錶組

10 / 21.2 / 23 / 2.3'





- To prevent engine from being unsteady in idleness, accelerate incapable and over oil consumption. This kit can detect exhaust back pressure and test the effective of catalytic converter.

- Accessory:
  (1)One piece of Main body and PTFE hose (High temperature resistance: over 280°C)
  (2)One piece of universal copper joint.
  (3)One piece of joint, special for TOYOTA and MITSUBISHI (connect with joint No. 2).



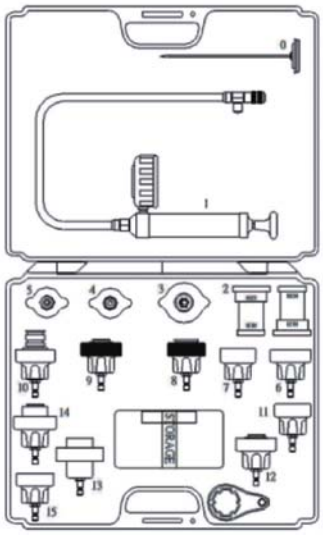


H.C.B-A2150 UNIVERSAL RADIATOR PRESSURE TESTER KIT (NYLON 66) (18 PCS)

萬用水箱壓力測試組 (尼龍 66) (18 PCS)

4 / 14.5 / 15.5 / 2.93'





■ Specification

0: Temperature
1: Pressure Testing Pump with Gauge
2A: Connector R123/R124 (Black color)
2B: Connector R123/R125 (Blue color)
3: BENZ, GM(BUICK), JEEP
4: PEUGEOT, SUBARU, CHRYSLER, ACURA, GM(NOVA, SPECTRUM, SPRINT) , KIA, MITSUBISHI, NISSAN, MAZDA, TOYOTA, INFINITI, GEO, SUZUKI, ISUZU, FORD
5: HONDA, TOYOTA, SUZUKI, MITSUBISHI, CHRYSLER, ACURA
6: BENZ(ML-CLASS), GM(ACHIVA, SKYLARK, GRAMD AM-1992~2002)
7: VOLVO, SAAB, STERLING, CITROEN, RENAULT, FIAT, ALFA, JEEP
8: VW(VENTO, T4, PASSA-1996, GOLF, BEETLE, SHARAN)
9: AUDI(A4、A5、A6) , BMW345, VW (PASSA-1997~2002), PORSCHE(CAYENNE)
10: BMW
11: AUDI, VW
12: FORD, INTERNATIONAL, SSANG YONG MOTOR, LAND ROVER, OPEL, JAGUAR, MERCEDES-BENZ
13: MERCEDES-BENZ (C-CLASS, E-CLASS, S-CLASS)
14: FORD
15: MAZDA(M3)
H: HAND





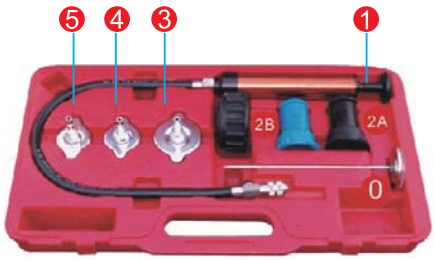
H.C.B-A2143 COOLING SYSTEM TESTERS (7 PCS)

水箱壓力錶組 (快速型) (7 PCS)

10 / 22.3 / 23.5 / 4.6'

■ To test water tank and density of water tank cover.

■ Application: Mercedes, GM (Buick), Jeep, Peugeot Subaru, Chrysler, Acura, GM (Nova, Spectrum, Sprint) Nissan, Mazda, Toyota, Mitsubishi, Infiniti, Geo, Suzuki, Isuzu, Ford, Honda, Mitsubishi







H.C.B-C2210 RADIATOR PRESSURE TESTER & VACUUM-TYPE COOLING SYSTEM KIT (NYLON 66) (28 PCS)

萬用水箱壓力測試組 (尼龍 66) (28 PCS)

- For cooling system pressure test and refilling new coolant by creating vacuum in the cooling system.
- A comprehensive cooling system pressure testing kit for universal use.
- Suitable for large of vehicles.





No.		No.		No.		No.		No.	
0	Thermometer	4	Kia	6	Cadillac	8	VW	16	Mercedes Benz
1	Pressure Testing		Lexus		Daewoo			17	BMW
2A	Connector R123/		Mazda		Ford	9	Audi	18	VW
2B	Connector R123/		Mercury		GM		BMW	19	Toyota
3	Buick		Mitsubishi		Jaguar		Porsche	20	Saab
	Chrysler		Mercedes Benz		Jeep		VW	21	Ford
	Chevrolet		Nissan		Land Rover	10	BMW		GMC
	Dodge		Subaru		Mercedes Benz				Hummer
	Jeep		Suzuki		Mercury	11	Audi		Isuzu
	Mercedes Benz		Peugeot		Pontiac		VW		Lincoln
	Oldsmobile		Toyota		Porsche	12	Ford		Mazda
	Pontiac				Saab		International		Mercury
4	Acura	5	Acura		Saturn		Land Rover		Oldsmobile
	Chevrolet		Chevrolet	7	Alfa Romeo		Opel		Opel
	Chrysler		Dodge		Citroen		Ssangyong moto		Pontiac
	Dodge		Eagle		Fiat	13	Chrysler		Saab
	Eagle		Geo		Mini Cooper		Mercedes Benz		Saturn
	Ford		Honda		Peugeot	14	Ford		Suzuki
	Geo		Isuzu		Renault	15	Ford		Vauxhall
	GM		Lexus		Saab		Mazda	22	BMW
	Honda		Mercedes Benz		Sterling				Land Rover
	Hyundai		Mitsubishi		Jeep				Mini
	Infiniti		Suzuki		Volvo				
	Isuzu		Toyota						

H.C.B-A2113 LEAK-CHECK FOR COMBUSTION

引擎燃燒室測漏組 (藥水型)

10 / 12.5 / 13.5 / 3.13'

- Spot and locate combustion leaks quickly in cracked or warped heads, leaky gaskets or cracked block. Use leak-check in the radiator opening with engine idling. The blue test liquid will turn into yellow to green in 60 seconds if there is a combustion leak, no matter how small. Get exact location of leak by disconnecting one spark plug at a time and retest. Complete to proof of leak.
- Perfect combination with H.C.B-A2008.



H.C.B-B2113 LEAK-CHECK FOR COMBUSTION WITH 3 PCS RADIATOR CAP

引擎燃燒室測漏組 (藥水型) 附 3 PCS 水箱蓋

10 / 13.5 / 14.5 / 3.05'

- Spot and locate combustion leaks quickly in cracked or warped heads, leaky gaskets or cracked block. Use leak-check in the radiator opening with engine idling. The blue test liquid will turn into yellow to green in 60 seconds if there is a combustion leak, no matter how small. Get exact location of leak by disconnecting one spark plug at a time and retest. Complete to proof of leak.





- Application:
  #6 radiator cap: BENZ (W123/W126/W124/W201), GM (Buick), Jeep.
  #7 radiator cap: Peugeot, Subaru, Chrysler, Acura, GM (Nova, Spectrum, Sprint), Mitsubishi, Nissan, Mazda, Toyota, Infiniti, GEO, Suzuki, Isuzu, Benz.
  #8 radiator cap: Honda, Toyota, Suzuki, Mitsubishi, Chrysler, Acura

H.C.B-A2089 1/2" CYLINDER HEAD BOLT TOOL (100 mm)

1/2" 12 角軸套筒 (100 mm)

- The 100 mm length allows easy access the recessed head bolts.
- Come with Dr. 1/2" for use with a torque wrench.
- Use for TOYOTA TERCEL cylinder head bolt.



ITEM No.	Size
A2089-M6	M6
A2089-M8	M8
A2089-M9	M9
A2089-M12	M12
A2089-M14	M14
A2089-M16	M16



H.C.B-B2089

6 PCS TRIPLE SQUARE DRIVE KIT (M6, M8, M10, M12, M14, M16) (Dr. 1/2" x 140 mm)

6 PCS 星形套筒組 (M6, M8, M10, M12, M14, M16) (Dr. 1/2" x 140 mm)

- The 140 length allows easy access the recessed head bolts.
- Come with Dr.1/2" for combining with a torque wrench.
- The same function as H.C.B-A2089





H.C.B-A2324

OXYGEN SENSOR SOCKET KIT (11 PCS)

含氧感應器套筒組 (11 PCS)

- Allow quick and easy removal of oxygen sensors, diesel injectors, oil pressure sending units and vacuum switches.
- Heat-treated chrome vanadium and chrome molybdenum steel with black oxide finish.





Code No.	Description & Dimensions
1	Deep Oxygen Sensor Socket
2	Oxygen Sensor Socket - 1/2" × 29 mm × 90 mm
3	Oil Sending Unit Socket - 1/2" × 1-1/16" × 74 mm
4	Special Tube Socket-3/8" × 22 mm
5	Oxygen Sensor Socket - 3/8" × 7/8" × 90 mm
6	Oxygen Sensor Socket - 3/8" × 7/8" × 80 mm
7	Offset Oxygen Sensor Wrench - 3/8" × 7/8" × 30 mm
8	Oxygen Sensor Socket - 3/8" × 7/8" × 50 mm
9	Oxygen Sensor Thread Chaser
10	Offset Oxygen Sensor Wrench - 2-1/8"
11	Offset Oxygen Sensor Wrench - 3/8" × 7/8" × 30 mm

H.C.B-B2324

OXYGEN SENSOR SOCKET KIT (7 PCS)

含氧感應器套筒組 (7 PCS)

- Allow quick and easy removal of oxygen sensors, diesel injectors, oil pressure sending units and vacuum switches.
- Heat-treated chrome vanadium and chrome molybdenum steel with black oxide finish.



Code No.	Description & Dimensions
1	Oil Pressure Sending Unit Socket- 1/2" × 27 mm × 12 Points
2	Pressure/Vacuum Switch Socket - 1/2" × 29 mm × 6 Points
3	Long Oxygen Sensor Wrench Socket - 1/2" × 22 mm × 6 Points
4	Vacuum Switch Socket - 3/8" × 22 mm × 6 Points
5	Vacuum Switch Socket - 3/8" × 22 mm × 6 Points
6	Oil Pressure Sending Unit Socket - 3/8" × 27 mm × 6 Points
7	Short Oxygen Sensor Wrench Socket - 3/8" × 22 mm × 6 Points

H.C.B-A2097 DEEP TWIST SOCKET KIT (Dr. 1/2")

螺旋拆裝器 (Dr. 1/2")

- Used on the damaged screws & nuts. Special spiral design for easie removal of the damaged screws.
- The deep design for easier use on the tire screws.
- Size:Dr. 1/2"17,19, 21, 22 mm Length: 50 mm



H.C.B-A2090 1/2" x M10S CYLINDER HEAD BOLT TOOL (100 mm)

1/2" X M10S 12 角軸套筒 (100 mm)

- 100 mm long tool is to access the recessed head bolts.
- Dr. 1/2" drive for combining with a torque wrench.
- Application: VW, AUDI cylinder head bolts.
- The same function as H.C.B-A2089.

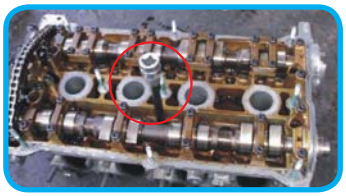


H.C.B-B2090 1/2" x M10S CYLINDER HEAD BOLT TOOL (100 mm)

1/2" X M10S 6 角軸套筒 (100 mm)

- 100 mm long tool is to access the recessed head bolts.
- Dr. 1/2" drive for combining with a torque wrench.
- Application: VW, AUDI cylinder head bolts.



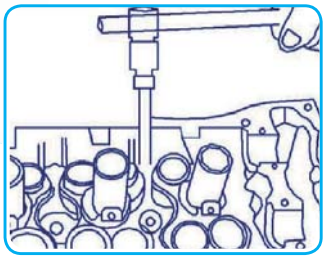


H.C.B-C2090 1/2" x M10S CYLINDER HEAD BOLT TOOL (140 mm)

1/2" x M10S 6 角齒輪軸套筒 (140 mm)

- 140 mm long tool is to access the recessed head bolts.
- Dr. 1/2" drive for combining with a torque wrench.
- Application: VW, AUDI cylinder head bolts.





H.C.B-A1297 FLEXIBLE FLARE NUT COMBINATION WRENCH (7 PCS)

彎頭油管扳手 (7 PCS)

- It is an ideal tool to work in those areas up to 45 degrees that regular flare nut wrenches can't reach.
- Not necessary to remove obstacles from the narrow spaces before loosen or tighten a nut.
- Specification:

ITEM No.	Size (mm)	Length (mm)	Weight (g)
H.C.B-A1297-1	8	129	50
H.C.B-A1297-2	10	129	50
H.C.B-A1297-3	11	148	85
H.C.B-A1297-4	12	148	85
H.C.B-A1297-5	13	175	130
H.C.B-A1297-6	14	175	125
H.C.B-A1297-7	17	190	192
H.C.B-A1297-8	19	190	195





Optional - H.C.B-A1297-8





H.C.B-A2301 75° BOX END & FLEXIBLE GEAR RATCHET WRENCH WITH GO-THROUGH SOCKET KIT (17 PCS)

穿透式套筒組 (17 PCS)

- 1PCS - 20 mm 75° Box end & flexible gear ratchet wrench with go-through socket wrench handle
  1PCS - 20 mm × 75 mm (L) Go-through extension bar
  12PCS - Go-through sockets: 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18 & 19 mm
  1PCS - 20 mm × 1/4" Socket adaptor
  1PCS - 20 mm × 3/8" Socket adaptor
  1PCS - 20 mm × 1/2" Socket adaptor





H.C.B-A2302 DOUBLE FLEXIBLE RATCHET FLARE NUT WRENCH (10 x 12 /13 x 14/15 x 17 mm) (3 PCS)

雙搖頭開口油管扳手 (10 x 12 /13 x 14/15 x 17 mm) (3 PCS)



- This product is an upgraded version of a traditional long pipe wrench which becomes a ratchet pipe wrench that can be used in the brake line, and the small space such as small-angle ABS, EBD, EBC, ESP……, etc. In active safety technology devices.
- Both the heads of this wrench can be rotated 180 degrees.
- Color marking buckles, red is forward, black is reversal.
- Application:
  For cars: This size is a common size, or to be in accordance with the various types of vehicles.
  Suitable for the size of brake systems: 8/10/11/12;
  The fuel lines with the size: 13/14/15/17
  For Mid-size species, large vehicles will become larger.





H.C.B-A2345 NEW FLEXIBLE HEAD CROW FOOT SPANNER KIT (Dr. 1/2") (9 PCS)

搖頭鴨掌扳手組 (Dr. 1/2") (9 PCS)

- 230 degree flexible head, plus can use with T-bar, F-Bar, extension bar, and ratchet wrench for accessing more limited space, such as fuel line in engine bay, fuel line, brake line, and so on.
- Heat treated, hardened and chrome plated with fully polished mirror finish.
- Special sizes for truck and trailer.
- Contents: Dr. 1/2", flexible head crow foot spanners: 17, 18, 19, 21, 22, 24, 27, 30, 32 mm



H.C.B-A2346 NEW DIESEL INJECTION WRENCH KIT (6 PCS)

柴油噴油嘴扳手組 (6 PCS)

- Size: 12/ 14/ 16/ 17/ 18/ 19 mm
- Single Hex profile x Dr. 3/8"
- Flexible head can access limited, narrower space which ordinary wrenches can't.
- Made by hot forging increases the torque capacity which is far superior than most wrench in the market.



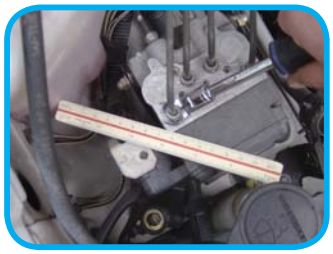
H.C.B-A2300 FLEXIBLE CROW'S FOOT SOCKET WRENCH KIT (12 PCS)

搖頭鴨掌扳手組 (12 PCS)

- 3/8" square drive rotatable head wrenches
- Sizes: 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18 & 19 mm
- Rotatable head which can rotate 230 degrees
- Traditional flare nut wrench with crowfoot function.
- Used with F-bar, H-bar, T-bar, speed-handle
- A rotatable crowfoot wrench can be used in hard-to-reach areas with the limit of 110 degrees
- Suitable for all hydraulic, fuel, oil brake, A/C, O2 sensor and air line work.







H.C.B-A2197 HEAVY DUTY OIL FILTER CHAIN WRENCH (350 mm)

鏈條式機油濾芯扳手 (350 mm)

24 / 19.2 / 20.2 / 2'

- Available for all type of oil filter.
- Flexible handle for narrow space.
- Size available: ø 60 mm-105 mm.
- Length of chain: 350 mm.





H.C.B-B2197 HEAVY DUTY OIL FILTER CHAIN WRENCH (520 mm)

鏈條式機油濾芯扳手 (520 mm)

24 / 22.6 / 23.6 / 1.9'

- Available for all type of oil filter.
- Flexible handle for narrow space.
- Size available: ø 60 mm-160 mm.
- Length of chain: 520 mm.





H.C.B-A2213 GLOW PLUG SOCKET KIT (5 PCS) (Dr. 1/4", 12 POINTS)

可彎式套筒組 (5 PCS) (Dr. 1/4", 12 角)

20 / 8 / 9 / 0.7'

Size (mm)	Application
8	Peugeot, Renault, Citroen, Ford, Benz...etc.
9	Opel, Fiat, Lancia, Alfa Romeo, Seat, VW...etc.
10	Benz, Peugeot, Audi Seat, VW...etc.
12	Peugeot, Renault Citroen, BMW, Opel...etc.
14	Universal







H.C.B-A2094 TWO WAY OIL FILTER WRENCH (60 ~ 80 mm)

二爪正反轉機油芯扳手 (60 ~ 80 mm)

50 / 24.9 / 27.2 / 1.78'





- The tool is used for removing and installing the oil filter.
- Used with Dr. 1/2" or 21 mm wrench.
- Size : 60-80 mm
- 可用來拆卸和安裝機油芯。
- 可搭配Dr. 1/2"或21 mm扳手使用。
- 尺寸：60-80 mm





H.C.B-B2094 TWO WAY OIL FILTER WRENCH (80 ~ 110 mm)

二爪正反轉機油芯扳手 (80 ~ 110 mm)

25 / 24 / 25 / 1.6'





- The sawtooth design makes it set in place on oil filter.
- Used with Dr. 1/2" or 22 mm wrench.
- Size: 80-110 mm
- 可用來拆卸和安裝機油芯。鋸齒狀設計，可將工具固定在正確位置。
- 可搭配Dr. 1/2"或22 mm扳手使用。
- 尺寸：80-110 mm

H.C.B-D2094 TWO WAY OIL FILTER WRENCH (104 ~ 150 mm)

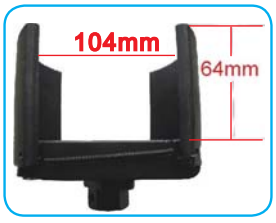
二爪正反轉機油芯扳手 (104 ~ 150 mm)

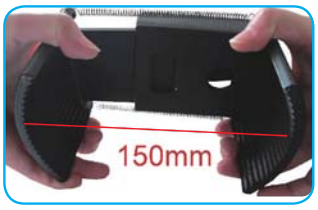
- The tool is for removing and reinstalling oil filter.
- Use with Dr. 1/2" or 24 mm wrench.
- Size: 104-150 mm
- Application: European, Japanese, American cars and FUSO 10.5-17 tons EURO 4.
- 可用來拆卸和安裝機油芯。
- 可搭配Dr. 1/2"或24 mm扳手使用。
- 尺寸：104-150 mm
- 適用車種：歐系、日系、美系車輛及FUSO 四期環保10.5-17噸卡車









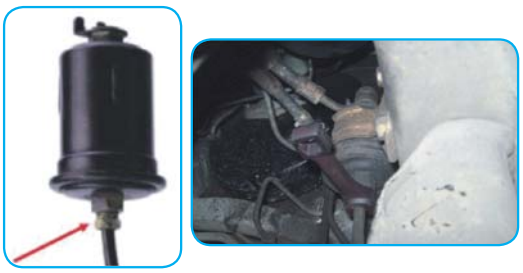


H.C.B-A1310-14 FLARE NUT WRENCH (Dr. 3/8" x 14 mm)

單開口扳手 (Dr. 3/8" x 14 mm)

- For TOYOTA, HONDA bolts of fuel filter and tube.
- Full Length: 93 mm , suitable for narrow space
- Holding the nut completely and prevent slipping.





H.C.B-A1310-17 FLARE NUT WRENCH (Dr. 1/2" x 17 mm)

單開口扳手 (Dr.1/2" x 17 mm)

- For TOYOTA, HONDA nuts of fuel filter.
- Full Length: 93 mm, suitable for narrow space
- Holding the nut completely and prevent slipping.





H.C.B-A2125 FAST CHECK WIRE-CLIP

快速查線夾

100 / 18 / 18.8 / 3.2'

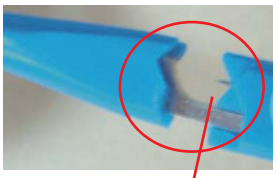


Connecting cable



With one meter cable 【Red(+), Black(-)】 and connectors, you can hook up to any brands of multiple-meters.



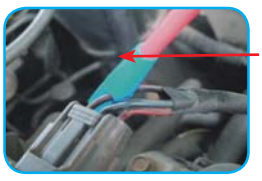


Probe inside the clip





Connecting cable 【Red(+), Black(-)】 one meter long cables.



Fast, easy check.

No damage to wires.







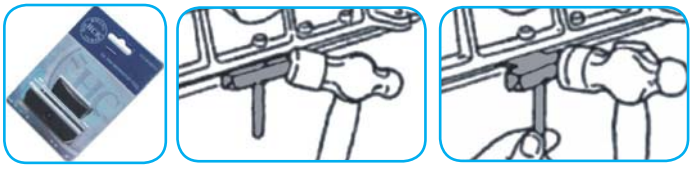
With connecting to any brands of multiple-meters, you can easily get the reading of voltage, resistance, and current, nice tool for wiring troubleshooting.

H.C.B-A2114 OIL PAN SEPARATOR TOOL

油底殼密合處分離器



- Wide, tapered , round blade edges between metal surfaces to break gasket seals on engne pumps, transmissions or any difficult to separate gasket joints.
- Blade width: 47 mm
- Length: 70 mm

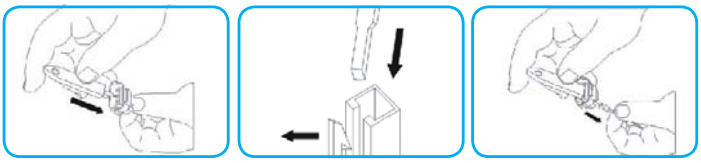


H.C.B-A2098 HOUSING DISASSEMBLE KIT

端子拆卸盒



- **Operation:**
  1. Detach the plastic box first and easily operate for any callow user.
  2. Put the plastic bolt aside from the oblique of approximate 30 degrees.
  3. Take the terminal out, then clean or correct or replace it.
- **Characters:**
  1. Five types of terminal disassemble kit for market demand.
  2. Easy, rapid and convenient to take out the terminal and don't damage the terminal head.
  3. Repair the cable head easily.

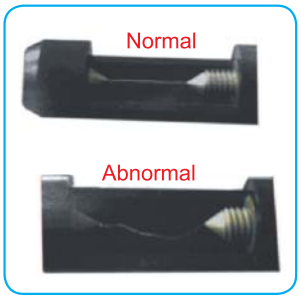


H.C.B-A2100 CURRENT LEAKAGE TESTER FOR IGNITION ACTION

漏電測試器

4 / 6 / 7 / 2.8'





Contents:

- Ignition leakage catcher probe.(one)
- Aligator clip,ground cables(two)
- Spark plug firing tester (two)
- Manual (one)

Features:

- Easy and safe to catch ignition leakage. Use ignition leakage catcher probe to the firing system component which is suspicious leakage. If the light on the handle illuminates, it indicates ignition leakage.
- Ignition leakage catcher guide can be used with spark plug firing tester to inspect disdirect type spark plug leakage around the connectors.
- Spark plug firing tester is applicable to all kinds of coils and ignition wires.
- Easy to read the joules on coil wires, distributor cap and plug wires from the different ignition type checked with the specifications.
- Absolutely isolation, no danger during the operation.

Cylinder compressed pressure	Standard tester gap
9.5:1 below	1 cm
9.5:1 ~ 10.5:1	1 ~ 2 cm
10.5:1 ~ 11.5:1	2 ~ 3 cm



Operational demo



Ignition leakage catcher & spark plug firing tester

H.C.B-B1371 NEW ELECTRONIC TORQUE SCREWDRIVER

電子式扭力螺絲起子

Features :

- Precision in ± 1 % C.W. / C.C.W. (10% to 100% of full scale)
- Interchangeable Bits (1/4" Hex.)
- LED lamp (at the front of tools, to illuminate the darker working surface)
- Buzzer and Vibration indicator.
- CE Certificate.
- Working Temperature: 0 ~ 40ºC
- Storage Temperature: -20 ~ 45ºC



- Specification :

Hexagon Drive	Range				Resolution				Power
	(N.m)	lbf-in	lbf-ft	Kgf.m	(N.m)	lbf-in	lbf-ft	Kgf.m	
1/4"	0-20	0-177	0-15	0-2	0.01	0.1	0.01	0.01	2 "AAA" alkaline cells.

H.C.B-B2119 INFRA-RED TEMPERATURE PICK-UP

紅外線溫度槍

INFRARED THERMOMETER:

Display	Backlight LCD display
Measurement Range	-35˚C ~ 500˚C (-4˚F ~ 932 ˚F)
Resolution	0.1 ˚C / 0.2 ˚F
Accuracy	±2% reading or ±2˚C
Spectral Response	6 ~ 14 μm
Field of View	10 : 1 optics retio with a 1" min target
Emissivity	0.17 ~ 1.00, (1326: fixed 0.95)
Sighting	Laser marker ＜ 1mw



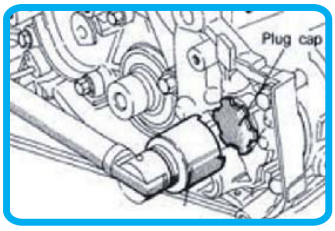
H.C.B-A1396 MITSUBISHI/ KIA ENGINE BALANCE SHAFT O-RING REMOVER SOCKET

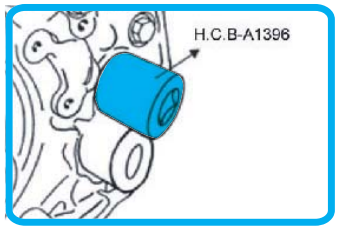
三菱 /KIA 平衡軸套筒

- For removing the o-ring of engine balance shaft.
- The special socket will remove the special screw on the o-ring and then replace the o-ring easily.
- Application: Mitsubishi, KIA









H.C.B-B1670 NEW TERMINAL TOOL KIT (26PCS)

端子工具組 (26 PCS)



A Dim: Φ1.6

Applications:
1. Universal
2. Flat connector contact
3. AMP (Multi-Type)
4. Delphi GT 280 (F)
5. Delphi Metri-Pack 150 (F)
6. DUCON contact
7. SUMITOMO NH 2.30mm(090) (F)
8. YAZAKI YES 0.64(025) (F)

B Dim: 1.2x0.6

Applications:
1. Universal
2. AMP (Multi-Type)
3. DELPHI (Multi-Type)
4. FCI HC3 (F), FCI Sicma 1.5 (F)
5. GHW MFS / AFS
6. HIRSCHMANN SealStar HMK 1.2 (F)
7. KOSTAL MLK 1.2 (F/M)

C Dim: 1.0x1.0

Applications:
1. Universal
2. AMP (Multi-Type)
3. BOSCH BCB 0.6 (F), Matrix 1.2 (F)
4. DELPHI (Multi-Type)
5. FCI (Multi-Type)
6. GHW (Multi-Type)
7. JST (Multi-Type)
8. KOSTAL (Multi-Type)
9. SIEMENS / SUMITOMO / YAZAKI...

D Dim: 2.0x1.0

Applications:
1. Universal
2. Multi-Type: AMP, CARDELL, DELPHI, DEUTSCH, FCI, FURUKAWA, KOSTAL, MOLEX, SIEMENS, SUMITOMO... etc.

E Dim: Pitch 1.8

Applications:
1. AMP MCP 1.5 (F), MCP 2.8 (F), MPQ 0.63 (M), MT (M), MT-II (F), MT-III (F)
2. BOSCH BMK 0.6 (F)
3. DELPHI CTS 150 (F), GT 630 (M)
4. FCI DCK 1.5 (F), DCS 1.5 (M/F), DCS 2.8 (F), Sicma 1.5 (M)
5. GHW AFK 1.5 (F), MFK 1.5 (F), MFS / AFS 1.5 (M) , MKR Plus (M/F)
6. KOSTAL SLK 2.8 (M/F)

F Dim: 3.0x1.5

Applications:
1. Universal
2. Multi-Type: AMP, BOSCH, CARDELL, DELPHI, DEUTSCH, FCI, FURUKAWA, GHW, JAE, JST, KOSTAL, LEAR, MOLEX, SIEMENS, SUMITOMO, YAZAKI etc.
3. Wire Seal Plugs
4. Second Locks

G Dim: 2.0x1.0

Applications:
1. Universal
2. Multi-Type: AMP, BOSCH, DEUTSCH, GHW, KOSTAL, MOLEX, YAZAKI etc.YAZAKI
3. Wire Seal Plugs
4. Second Locks

H Dim: 2.0x1.0

Applications:
1. Universal
2. Wire Seal Plugs
3. Second Locks

I Dim: 3.0x1.5

Applications:
Especially for Honda

J Dim: 1.9x1.0

Applications:
1. AMP Fastin-Faston 2.8/6.3 (F), MCON 1.2 (F), MIC I (M/F), Multilock 040 (M)
2. GHW 4.8 (F)
3. JAM 6.3 (F)
4. Sumitomo DS/MT/HD/HM 6.00(250) (F)
5. Yazaki 58 X/M (F), SWP/SDL (F), 6.3 (F)

K Dim: 3.2x2.0

Applications:
1.AMP MCP 1.5(F), MCP 2.8(F), Micro-Timer II(F)
2. BOSCH BMK 0.6 (F)
3. Delphi CTS 150(F)
4. FCI DCK 1.5(F)
5. GHW MFS / AFS 1.5(M), MKR Plus(F/M)
6. Kostal SLK 2.8(M)
7. Molex 1.50mm CMC CP(F)

L Dim: Pitch 4.0

Applications:
1. GHW GSK power bridge 1 way flag (F)

M Dim: Pitch 3.0

Applications:
1. AMP Timer 2.8/5.8 (M), JPT (F), JT (F), MCP 2.8 (F), SPT (F)
2. DELPHI DS 280 (F), Ducon 2.8, VF 280 (F), HVF II (F)
3. FCI DCS 2.8mm (F)
4. GHW AFS 2.8 (M), DFK 1 (F), DFK 2 (F), DFK 3 (F), DFK 4 (F), MDK 1 (F). MDK 3 (F), MDK 4 (F), MDK 5 (F)

N Dim: Pitch 3.8

Applications:
1. AMP JPT, JT, MCON , MCP, PLS 187 Mark II, SPT, ST), Timer 2.8/5.8
2. DELPHI CTS, DS, DUCON, VF, HVF II
3. FCI DCS, HPCS
4. GHW AFK, AFS, DFK 1/2/3/4/40, MAK , MDK 1/3/4/5, WDF 2
5. KOSTAL SLK 2.8 (M/F), SLK 5.8 (F)
6. MTA 4.80 F, 7. TRW 2.80x0.80 (F)

O Dim: Pitch 3.0

Applications:
1. AMP Timer 2.8/4.8 (M)
2. DELPHI 2.8/4.8 (M)
3. GHW 2.8/4.8 (M)

P Dim: Pitch 8.0

Applications:
1. AMP MCP 9.5 (M/F), AMP Maxi-Power-Timer (M/F), SPT (F)
2. GHW Maxi-DFK (F)
3. Secondary Lock

Q Dim: Pitch 1.0

Applications:
1. Universal
2. AMP Fastin-Faston 6.3 (M/F)
3. GHW 4.8 (F)
4. Yazaki 91 M-LC (F)
5. Secondary lock

R Dim: Pitch 3.2

Applications:
1. AMP MCP 2.8 (F)
2. BOSCH BDK/BSK 2.8 (F)
3. GHW MAK 2.8 (F)

S Dim: Φ5.6

Applications:
1. DEUTSCH PIN/SOCKET

T Dim: Φ4.1

Applications:
1. DEUTSCH PIN/SOCKET

U Dim: Φ2.9

Applications:
1. DEUTSCH PIN/SOCKET

V Dim: Φ4.6

Applications:
1. DEUTSCH PIN/SOCKET

W Dim: Φ4.0

Applications:
1. DEUTSCH PIN/SOCKET

X Dim: Φ2.9

Applications:
1. DEUTSCH PIN/SOCKET
2. AMP CPC/CI 2 pin (.062 ECONOMY pin CIC)
3 . AMP CPC/CI 2 socket (.062 ECONOMY SOCKET CIC)

Y Dim: Φ1.8

Applications:
1. DEUTSCH PIN/SOCKET

Z Dim: 1.9x1.0

Applications:
1. AMP Fastin-Faston 2.8/6.3 (F), MCON 1.2 (F), MIC I (M/F), Multilock 040 (M)
2. GHW 4.8 (F)
3. JAM 6.3 (F)
4. Sumitomo DS/MT/HD/HM 6.00(250) (F)
5. Yazaki 58 X/M (F), SWP/SDL (F), 6.3 (F)

H.C.B-B2031 UNIVERSAL LINE KIT

萬用線組

5 / 12.35 / 13 / 2.72'

■ The line kit with multi-function.




Variable resistance (5KΩ)


LED examining light


SRS replacing & testing device


Crocodile Clip


Measure Stick


Various types of probes


One to two form


Referring to the picture


Round Shape Connector


One to one form


Referring to the picture


Flat Shape Connector

H.C.B-C2031 SIMPLY UNIVERSAL LINE KIT

簡易型萬用線組

25 / 13.5 / 16.3 / 3.3'



Component No.	Quantity(pcs)	Length(cm)	Name	Description	Picture
1. Acicular Probe	4	21.3	Various types of probes	Please pay attention to the touching angle when the probe is used to avoid the accident. (It is made of HCS for better tough hardness.)	
2.Probe	2	12.43	Stick Measure	Users can examine and measure according to demand, it can be used with Alligator Clip, extension line, etc.	
3. Alligator Clip	2	8.58	Alligator Clip	Users can examine and measure according to demand, it can be used with Measure Stick, extension line, etc.	
4. Led Stroboscope	2	12.7	LED examining light	The color of LED light will change when the anode & the cathode of two-color and double-way LED light change	
5. Connecting Cable	4	106 cm & 53 cm	Connecting Cable	【Red(+), Black(-)】100cm & 50cm long cables 	
6. Fast Check Wire-Clip	1	16.55 cm	Fast Check Wire-Clip	Fast check wire-clip makes wiring check easy and accurate without damage on wires. With connecting to any brands of multiple-meters, you can easily (quickly) get the reading of voltage, resistance, and current, Nice tool for wiring troubleshooting.	

H.C.B-B2121 PORTABLE POWER STATION (FOR VEHICLE)

電霸 (汽油車 , 柴油車用)

3 / 26 / 26.5 / 2.03'



- Don't worry when your car's battery is dead.
- Prevent audio from locking up or computer shutting down when changing the car battery.
- Power supplier for home electric appliances.
- Emergency power supply.
- Easy and quick charge.
- Portable, rechargeable, cordless, easy to carry along in vehicles or boats.
- Powerful enough to start engine.
- No need other vehicle or booster cables.
- Safe and sealed battery won't be leak or spill.
- Polarity protection device if clamps connected to battery poles in reverse. And prevent clamps from sparking if the two clamps touched together.

- 當車輛電瓶沒電時，毋需擔心。
- 可避免在更換電瓶時，發生音響或電腦當機。
- 可使用家用電源來充電。
- 緊急的電源供應器。
- 充電簡單、快速。
- 手提、可重覆充電、無線，易於攜帶在車或船上。
- 強效電力，可啓動引擎。
- 不需要其他車輛或電纜。
- 安全、密封式電池，不用擔心溢漏。
- 電極保護裝置可避免接錯電或兩個夾子互相接觸引發的短路。

H.C.B-C2121 PORTABLE POWER STATION (230V/50 Hz)

電霸 (230 V/50 HZ)

1 / 9 / 9.5 / 0.64'



- LED Operation Function:
  The power pak battery voltage level is indicated by the LED's:
  Green >12.8V
  Yellow 12.2-12.7V
  Red <12V
- Low Voltage Warning-Buzz warning for low battery and naturally discharge/ unload the voltage down to 7V ± 0.5V.
- LED指示功能：電霸的電量可由LED的燈色來表示。
  綠 > 12.8V
  黃 12.2-12.7V
  紅 <12V
- 低電量、或電量不足7V±0.5V時，會響起警告聲。

H.C.B-D2121 PORTABLE POWER STATION (FOR VEHICLE)

電霸 (電力士)

6 / 23.5 / 24 / 1.11'



- It's the lightest in the market, the weight only 3.3 kg , easy operation and stock
- Powerful enough to start engine of under 3500 c.c. vehicle.
- It can power supply alone , don't need another vehicle.
- The battery charger is designed automatic disconnection power supply so battery life can be prolonged
- It also can supply for lots of equipment of vehicle (ex. mobile phone , intercom of vehicle, vacuum cleaner)

- 淨重3公斤，是市售最輕的電霸。便於操作和存放。
- 強效的電力，足以發動3500 c.c.以下的車輛引擎。
- 可單獨供電，不需藉助其他的車輛。
- 自動斷電設計，可延長電霸的壽命。
- 也可以做為車上其他設備的電源。(例如：手機、對講機和吸塵器)

H.C.B-A2192 OIL DRAIN REPAIR KIT

油底殼螺絲更換組

- Disassemble the damaged oil drain screw.
- Choose a tap. For example, if the original diameter of oil drain hole is M14, then operator needs a M15 tap.
- Enlarge the diameter of oil drain hole by the tap.
- Take a washer through a new oil drain plug, and insert them into the oil drain hole.

Item No.	Size	Tap	Oil Drain Plug	Cooper Washer
H.C.B-A2192-13	M13 x P1.5	1 pc	6 pcs	12 pcs
H.C.B-A2192-15	M15 x P1.5	1 pc	6 pcs	12 pcs
H.C.B-A2192-17	M17 x P1.5	1 pc	6 pcs	12 pcs
H.C.B-A2192-20	M20 x P1.5	1 pc	6 pcs	12 pcs
H.C.B-A2192-22	M22 x P1.5	1 pc	6 pcs	12 pcs


H.C.B-A2192-13



H.C.B-B2192 OIL DRAIN REPAIR KIT

油底殼螺絲更換組

8 / 20 / 21 / 2.2'

- Renew the diameter and replace a new oil drain plug.
- Six popular sizes fit nearly all applications.
- Material: Tap:SKS3
  Oil drain piug: 1015
  Washer: Copper

Size	Tap	Oil drain plug	Washer
M13 x P1.25	1 pc	6 pcs	12 pcs
M13 x P1.5	1 pc	6 pcs	12 pcs
M15 x P1.5	1 pc	6 pcs	12 pcs
M17 x P1.5	1 pc	6 pcs	12 pcs
M20 x P1.5	1 pc	6 pcs	12 pcs
M22 x P1.5	1 pc	6 pcs	12 pcs




1


2


3


4

H.C.B-B2160 WASTE OIL DRAINER (MANUAL) (50L)

手動升降式佇油機 (50 升)

- Gravity drain using tap on rear of unit. Includes visible 'Full Drum' device.
- Include large diameter drain pan insert and heavy duty mesh for draining oil filters.
- High density Polyethylene.
- Manual operation
- Dimension: 550 x 550 x 900-1070 mm
- Capacity: 50 L
- Weight:12 KGS



H.C.B-A2160 WASTE OIL DRAINER (80 L)

廢油桶 (80 升)



- Waste oil mobile reservoirs for motor and gear oil collection .
- Drainers can be used under vehicle lifts or inside lubrication pit.
- Large handle for easy maneuverability.
- Two brake wheels (£p3") and two casters (£p3")
- Extra large drain bowl / Adjustable collectting bowl / For the convenient and safe collection
- **Specification**

Model	H.C.B – A2160
Dimension	470 x 560 x 1140~1580 mm
Capacity	80 L
Weight	36 KGS
Oil Draining Power	Compressed Aiv 100~120 PSI Air Pressure

- **Accessory:**


Oil Drain Pan / 550 mm


Oil Drain Pan / 530 mm


Collection Bowl / 380 mm


Pre-Spray Net

H.C.B-A2310 OIL DRAIN PAN

油盤

Contents:

Item no.	Capacity	Weight	Dimension of product
A2310-035	3.5 L	284 g	410 (L) × 330 (D) × 100 (H) mm
A2310-080	8 L	566 g	502 (L) × 400 (D) × 132 (H) mm
A2310-160	16 L	952 g	582 (L) × 472 (D) × 156 (H) mm



Features & Benefits:

- This Oil Drain Pan includes easy grip, large carrying handles and integral spout for pouring waste oil or fluids into a recycling container.
- The anti-splash lip prevents spillage. Ideal for draining antifreeze or oil.
- Meets **PAHs /REACh** regulations

※Not suitable for spray gun cleaner

H.C.B-A2312 OIL DRAIN PAN (2 L)

油盤 (2 升)

Features & Benefits:

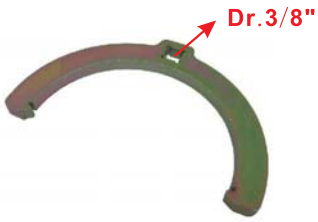
- Catch the engine waste oil when changing the Motorcycle's engine oil.
- The 2 Liter Drain Pan also can use in catch the cleaning solvent when cleaning the Motorcycle's chain.
- The front side opening design for easy dumping of oil collection.
- Capacity: 2 Liters
- Material: Polyethylene (PE)
- Dimension of product: 380 (L) × 212 (D) × 73 (H) mm

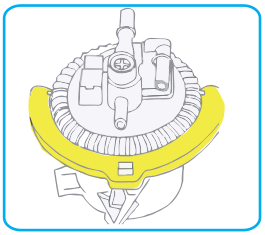


H.C.B-A1417 FUEL FILTER LID WRENCH (Dr. 3/8", 108 mm)

汽油箱蓋拆裝器 (Dr. 3/8", 108 mm)

- For removing and installing the fuel filter cap when replacing the fuel cartridge.
- Used to avoid damage to components when working on fuel system.
- Application: PEUGOET, CITROEN,RENAULT with HDI ENGINES

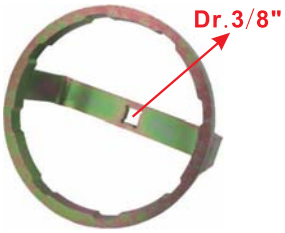


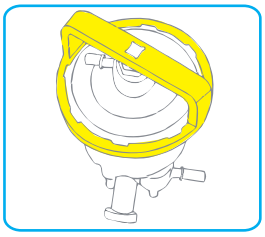


H.C.B-A1418 FUEL FILTER LID WRENCH (Dr. 3/8", 8 RIBS, 109 mm)

汽油箱蓋拆裝器 (Dr. 3/8", 8 齒 , 109 mm)

- Size: Dr. 3/8", 8RIBS, 109 mm
- Used to avoid damage to components when working on fuel system.
- Application: PEUGOET, CITROEN,RENAULT





H.C.B-A2241 PENTAGON SOCKET (Dr. 1/2", 10 mm)

內五角套筒 (Dr. 1/2", 10 mm)

- Impact quality.
- Application: Brakes





H.C.B-A2242 PENTAGON SOCKET (Dr. 1/2", 12 mm)

內五角套筒 (Dr. 1/2", 12 mm)

- Impact quality.
- Application: Nissan Fuel Pump





H.C.B-C2250

8 PCS SPECIALIST SOCKET KIT (Ribe sockets: 1/2" Dr. × M6S, M8S, M10S, M12S/Pentagon sockets: 1/2" Dr. × 10, 12, 14, 19 mm)

8 PCS 特殊套筒組 (Ribe sockets: 1/2" Dr. × M6S, M8S, M10S, M12S/Pentagon sockets: 1/2" Dr. × 10, 12, 14, 19 mm)

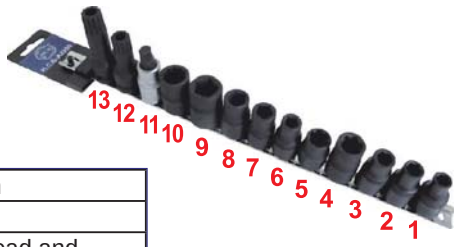


- Special ribe and pentagon sockets for removing some special screws on vehicle. Such as engine head screws, idle wheel center screws, and etc.
- Contents : Ribe sockets: 1/2"Dr. x M6S, M8S, M10S, M12S
  : Pentagon sockets: 1/2" Dr. x 10, 12, 14, 19 mm

H.C.B-A2250

13 PCS SPECIALIST SOCKET KIT

13 PCS 特殊套筒組



- A range of specialist sockets for a variety of applications and vehicles.
- Impact quality.

	Socket Size	Socket Type	Vehicle	Application
1	6S (D1223)	Special 6 Point	Nissan Renault	Clutch
2	8S (C1223)	Special 6 Point	Nissan	Cylinder head and balance shaft screw
3	8TS (E1223)	Special 3 Point	Nissan	Balance shaft screw
4	12S (B1223)	Special 6 Point	Nissan	Head bolts
5	10S (A1223)	Special 6 Point	Toyota	Idle wheel Centre Screw
6	10mm (A2241)	Pentagon		Brakes
7	12mm (A2242)	Pentagon	Nissan	Fuel Pump
8	14mm (A2131)	Pentagon	General Motors Smart Car	
9	19mm (A2071)	Pentagon	Citroen Peugeot Renault	Brakes
10	20mm (A2180)	10 Point	Honda Civic Honda CR-V	Rear Trailing arms
11	10mm (A2072)	Pentagon Insert Bit Socket		Girling brake system
12	M16 (A2070)	Spline Impact Bit Socket	AUDI: A3 A4 A6 VW :Gold IV	Transmission /gearbox drain plug
13	M18 (B2070)	Spline Impact Bit Socket	VW	half-axles.



H.C.B-A2249

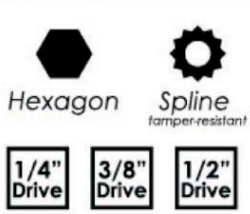
13 PCS SPECIALIST SOCKET KIT (HEX)

13 PCS 特殊套筒組 (六角)

	Socket Size	
1	6mm*20(L.)	Dr.1/4"
2	7mm*20(L.)	Dr.1/4"
3	8mm*20(L.)	Dr.1/4"
4	9mm*20(L.)	Dr.1/4"
5	10mm*20(L.)	Dr.1/4"
6	12mm*30(L.)	Dr.3/8"
7	14mm*30(L.)	Dr.3/8"
8	17mm*30(L.)	Dr.3/8"
9	18mm*30(L.)	Dr.3/8"
10	19mm*30(L.)	Dr.3/8"
11	MT14*38(L.)	Dr.1/2"
12	MT16*38(L.)	Dr.1/2"
13	MT18*38(L.)	Dr.1/2"



Material: CR-MO with Sand Blasted & Zinc Phosphate
Contents:
5 - 1/4" Dr. : 6-7-8-9-10 mm x 20 mm (L)
5 - 3/8" Dr. : 12-14-17-18-19 mm x 30 mm (L)
3 - 1/2" Dr. : Tamper.spline: M14-16-18 x 38 mm (L)



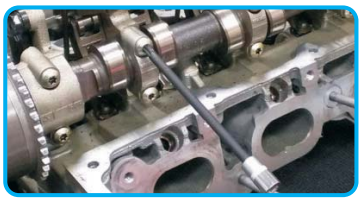
H.C.B-A1469 7 PCS Dr. 1/4" TX-STAR BALL END INSERT BIT SOCKET KIT

7 PCS Dr. 1/4" 球型扳手

- Screwdriver bits sockets with ball head, T-profile without hole 6.3 mm (1/4") drive, 130 mm long, for spots that are difficult to reach.

Part No.	Description	Q'ty
A1469-010	T10x130(L)	1
A1469-015	T15x130(L)	1
A1469-020	T20x130(L)	1
A1469-025	T25x130(L)	1
A1469-027	T27x130(L)	1
A1469-030	T30x130(L)	1
A1469-040	T40x130(L)	1





H.C.B-A1497 ALUM-A-STACK HYDRAULIC RAM KIT

堆疊式油壓組

- Convenient kit allows you to select your ram length.
- 10 Ton ram include 1" (2.5 cm), 2" (5 cm) and 3" (7.5 cm) extensions.
- Extensions can be used individually or joined.
- Ships in carrying case.
- Weight: 4.3 kg
- Retracted height: 3.5” (9 cm)
- Stroke length: 1.5” (3.8 cm)





H.C.B-A1499 RENAULT (1.8/2.0 16 V) BELT DRIVE PETROL ENGINE CAMSHAFT SPROCKET LOCKING DEVICE

雷諾正時工具組 (1.8/2.0 16 V)

- Required for releasing the camshaft sprocket bolts when timing engines, after belt replacement.
- Suitable for locking the camshaft sprockets in order to release the centre bolts on Renault 1.8, 2.0 16v engines
- Suitable for locking the camshaft sprockets in order to release the centre bolts on Renault 1.8, 2.0 16v engines
- Engine code: 1.8 16v - F4P, 722, 770, 721, 722, 773, 774, 775, 2.0 16v - F4R, 700, 701, 712,713, 714, 715, 720, 730, 732, 736, 738, 740, 741, 744, 746, 747, 760, 761, 762, 763, 764, 765,766, 767, 770, 771, 774, 776, 784, 786, 787, 790, 792, 794, 795, 797, 830
- Application: Renault 1.8 – Laguna II (01-05), 2.0 - Laguna II, Megane II, Scenic (02-09)
- **OEM no. ref.:** 1509/01





H.C.B-A2237 DISC BRAKE PISTON TOOL

碟煞活塞調整器

- Used on vehicles with four wheel disc brakes.
- Use with 3/8" drive ratchet and extension.



H.C.B-A2244 DIESEL COMPRESSION TESTER (37 PCS)

柴油測試組 (37 PCS)



Contents:

- For removing original injector or glow plug.
- Choose suitable test parts with appropriate length to match original injector/ glow plug.
- Connect with gauge and start engine for compression testing.

Features:

- Common checking diesel compression tester with wide range adaptor.
- Test process must be under vehicle cranking condition.
- Provided high quality hydraulic gauge with modern design rubber jacket.
- Full glow plug and injector adaptors.
- Additional clamp-on adaptors in case provide more application to truck, van, bus, marine, and agricultural vehicles.

H.C.B-A2248 GLOW PLUG DRILLING KIT (16 PCS)

預熱塞拔脫器 (16 PCS)



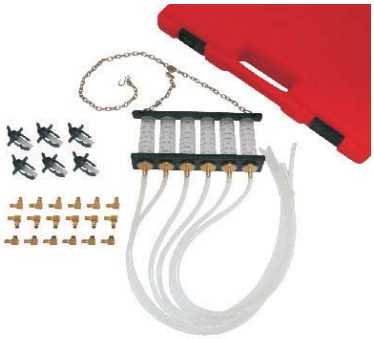
- Suitable for Mercedes-Benz CDI diesel engine.
- For extracting the damaged/ sized glow plugs on many modern diesel engines easily.
- Without removing cylinder head and avoid damaging cylinder head casting.

ITEM No:	Description
1	Ratchet T-Bar
2	Drill 9x4.2 mm
3	Drill 7x5.5 mm
4	Top connection removal tool star socket (9.2 mm square socket)
5	Alley key 3mm
6	Ø6*3.5*40L
7	Tap, M10x P1.0
8	Tap, M8x P1.0
9	Tap, M5x P 0.8
10	Spindle M5x0.8P
11	Pilot drills 3.5mmx2 pcs
12	Puller outer housing(Hex 12 mm spindle) (Hex 30mm Force nut)(cone center tool)
13	Drill Installer

H.C.B-A2252 RETURN FUEL VOLUME TESTER FOR COMMON RAIL INJECTORS (6 V)

柴油燃油測試組 (6 V)





- **Kit Specification & Application**
  1 off measuring unit with 6 off 800 mm rubber hoses.
  1 set (6 unit) C1 adapters for BOSCH injectors
  1 set (6 unit) C2 adapters for SIEMENS injectors
  1 set (6 unit) C3 adapters for DENSO injectors
  1 set (6 unit) C4 plastic adapters for DEPHI injectors
- Measure return fuel flow from diesel common rail system.
- Simple test for rough or bad engine starting & power.
- 800 mm hose can easily connect with original clip.
- Testing with running engine.

H.C.B-A2255 Dr. 3/8" AND Dr. 1/2" SCREW EXTRACTOR KIT (9 PCS)

螺絲破壞器 (9 PCS)

- Material : SNCM-V with phosphate coating.
- 3/8" Dr. : 3, 4, 5, 6, 7, 8, 10 mm, hexagon 17 mm, 38 mm long.
- 1/2" Dr. : 12-14 mm, hexagon 22 mm, 44 mm long.
- Designed to remove broken screws, studs and fittings.

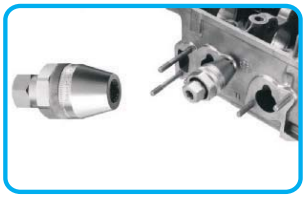


H.C.B-A2261 UNIVERSAL STUD EXTRACTOR (Dr.1/2") (FOR 6.0X12.0)

通用無頭螺絲拔卸器 (Dr. 1/2") (FOR 6.0X12.0)

- Infinitely adjustable.
- Ideal for bolts with rusted or stripped threads.
- Also for bolts with undersize.
- This tool will also remove damaged nuts.
- Due to the nature of the task the jaws are consumable.
- Hex Drive can be driven with wrench or impact tool.
- Universal tool for studs with diameter 6 - 12 mm. Suitable even for broken screws when the rest length is at least 5 mm.



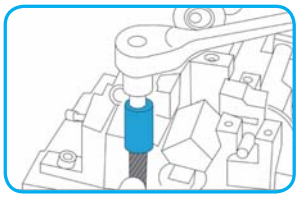


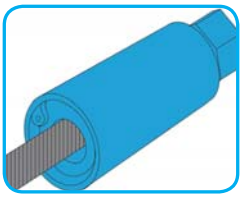
H.C.B-A2328 STUD PULLER KIT (4 PCS) (Dr. 1/2")

無頭螺絲拔卸組 (4 PCS) (Dr. 1/2")

- Designed for hard-to-get-at studs.
- Remove right-hand or left-hand threaded studs without damaging threads.
- Not suitable for using with impact tools.
- Material: Chrome vanadium steel.
- Sizes: 6 mm, 8 mm, 10 mm, 12 mm







H.C.B-A2263 UNIVERSAL GM, CHRYSLER, MITSUBISHI HARMONIC DAMPER PULLEY PULLER

通用 GM/CHRYSLER, MITSUBISHI 皮帶輪拆卸工具



- This unique tool has been developed to aid in the removal of the harmonic damper pulleys found on many CHRYSLER、G.M、MITSUBISHI engines.
- This pulley is hard to access and remove due to space limitations in and around the engine compartment.
- In most cases this compact tool eliminates the need of a technician to go through the time consuming process of first removing the radiator before being able to remove the pulley.
- This low profile puller has been designed for use on the following automobiles, SUV's, vans & pickups: RE-ENGINEERED to fit the following additional Chrysler & GM applications: This unique tool has been developed to aid in the removal of the harmonic damper pulleys found on many CHRYSLER 、G.M、MITSUBISHI engines.
  This pulley is hard to access and remove due to space limitations in and around the engine compartment.
  In most cases this compact tool eliminates the need of a technician to go through the time consuming process of first removing the radiator before being able to remove the pulley.
  This low profile puller has been designed for use on the following automobiles, SUV's, vans & pickups: RE-ENGINEERED to fit the following additional Chrysler & GM applications:

H.C.B-A2266 UNIVERSAL HYDRAULIC FLARING TOOL KIT

液壓夾管成型器



- This flaring kit includes various sizes of dies and adapters to work on flaring tube of GM fuel line, brake line, transmission line and A/C line.
- One 45 degree adapter is suitable for working a double flare.
- A big handle on the hydraulic pump helps save energy.
- The set is packed with a case for easier and safer storage for dies and adapters.
- Specification:
  Push-Connect: 1/4", 5/16" and 3/8"
  GM Fuel Line: 5/16" and 3/8"
  Single/Double: 3/16", 1/4", 5/16", 3/8" and 1/2"
  Metric Bubble: 4.75 mm, 6 mm, 8 mm and 10 mm

H.C.B-A1531 INJECTOR RAIL ASSEMBLY REMOVER

噴油嘴拆卸工具



- The fuel rail and injector assembly used on the Hitachi SIDI system on 2010 LF1 3.6L V6 and LAF 2.0L ECOTEC has two seals on each injector, and these seals are installed with very tight tolerances.
- Once the engine has been run, injector and rail removal is very difficult, and the assembly must be removed as straight as possible to prevent the chance of damaging an injector bore in the cylinder head, or to the mount assembly.
- Each mount assembly contains an isolator, and cannot have any force applied to the mount for removal.
- A1531 installs in place of the mounting bolts, and reaches under the injector rail near each mount location.
- The hand wheels on A1531 at each mount location are tightened evenly to un-seat all injectors evenly, preventing damage to the injectors, cylinder head, and rail mount assemblies.

H.C.B-A1527 PEUGEOT ENGINE MOUNT BUSH REMOVER/ INSTALLER

標緻引擎座鐵套拆裝工具組

■ Application:

Position of Bush	Model	Piston Displacement	Dimension of bush	OEM NO.
RIGHT FRONT OF ENGINE	406	3,000 c.c.	Big	184442
RIGHT FRONT OF ENGINE	406	2,000 c.c.	Big	184442
RIGHT FRONT OF ENGINE	206	2,000 c.c.	Big	184442
RIGHT FRONT OF ENGINE	206	1,600 c.c.	Small	184477
RIGHT FRONT OF ENGINE	206	1,400 c.c.	Small	184477
RIGHT REAR OF ENGINE	406	3,000 c.c.	Big	180933
RIGHT REAR OF ENGINE	406	2,000 c.c.	Big	180933
RIGHT REAR OF ENGINE	206	2,000 c.c.	Big	180933
RIGHT REAR OF ENGINE	206	1,600 c.c.	Small	184454
RIGHT REAR OF ENGINE	206	1,400 c.c.	Small	184454



Right rear bush of engine



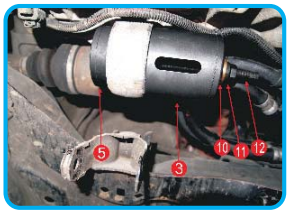
OEM No.:180933 OEM No.:184454

Right rear bush of engine

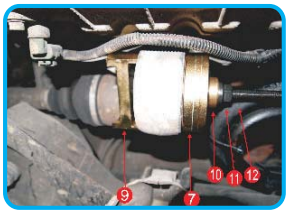


OEM No.:184477 OEM No.:184442

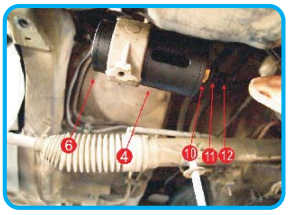
With this tool, you will not have to remove the engine seat and you can remove or install directly on the car.
This tool will save your time and do this thing conveniently.



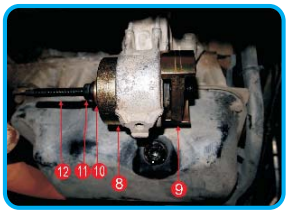
Right rear bush of engine -removal



Right rear bush of engine -installation



Right rear bush of engine - removal



Right rear bush of engine - removal

■ Application:
PEUGEOT 406 (3000 c.c.)、406 (2000 c.c.)
PEUGEOT 206 (2000 c.c.)

■ Application:
PEUGEOT 206 (1600 c.c.)、206(1400 c.c.)

H.C.B-A1950 NEW DIESEL FUEL FILTER SOCKET (HDi) (Dr. 1/2", 27 mm)

柴油濾心器套筒 (HDi) (Dr. 1/2" , 27 mm)

- Specialist socket required for the removal of diesel fuel filter fitted to 2.0 and 2.2 HDi engines.
- Designed to allow quick removal of the oil filter without damaging the plastic cover.
- Allows re-tightening avoiding air leaks and other complications.
- Applications:
  Citroën: C4 2.0 HDi 16V, C4 Picasso 2.0 / 2.2 HDi, C5 / C8 2.0 / 2.2 HDi 16V, Jumpy 2.0 / 2.2 HDi
  Fiat: Scudo / Ulysse Mk II 2.0 JTD 16V
  Ford: Focus / Focus C-Max / Galaxy / Kuga / S-Max 2.0 TDCi
  Peugeot: 307 / 308 / 407 / 607 / 807 / Expert 2.0 HDi 16V
  Volvo: C30 / C70 / S40 Mk II / V50 2.0 Diesel (136 HP)



H.C.B-A2274 CAM AND CRANKSHAFT SEAL PULLER

曲軸 / 凸輪軸油封拉拔器



- Engage the adjustable hook behind the seal.
- Brace the push rod against the engine head then push the handle to remove the seal.
- Remove the seal easily & quickly without damage to the cam & crank shaft.

H.C.B-A2279 UNIVERSAL OIL FUNNEL KIT

萬用型漏斗組





- The width of the clamp is automatically adjustable 28 mm - 74 mm (1.1 in - 2.9 in).
- The funnel has a thread that fits perfectly in the clamp.
- The funnel has a special transparent design in the lower chamber to see the passage of the oil.
- No need to hold the funnel with your hand when refilling the oil

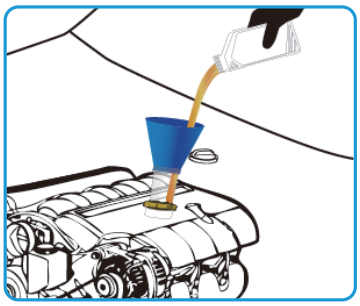
H.C.B-B2279 OIL FUNNEL FOR SUBARU

SUBARU 漏斗



- Suitable for all SUBARU models with small oil filler neck.
- No more unsafe spills.
- Transparent lower chamber design clearly shows oil flow process.
- Large oil passage shortens oil fill time.
- Remove oil filler cap from the vehicle, and install funnel onto the oil filler neck securely.
- Prepare engine oil for refilling process without spilling.
- Application:

Brand	Model	Year
Subaru	B9 Tribeca	2006-2007
Subaru	Baja	2005-2006
Subaru	Forester	1998-2012
Subaru	Impreza	1993-2012
Subaru	Justy	1989-1994
Subaru	Legacy	1990-2012
Subaru	Outback	2001-2012
Subaru	SVX	1994-1997
Subaru	Tribeca	2008-2012



H.C.B-C2279 FLEXIBLE FUNNEL

可彎式漏斗





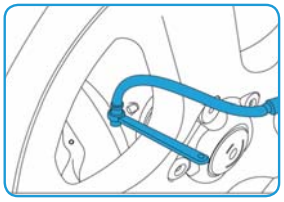
- Bring much convenience to an auto repairing service shop.
- Particularly useful when draining and refilling different types of fluids in a vehicle, such as brake fluid, engine oil, transmission fluid, coolant and so on.
- Useful when operating in limited spaces.
- Easy to store flat or rolled up in toolbox.
- Length: 372 mm
- Width:170 mm
- Inside material: Alnminium
- Outside plastic material: NBR

H.C.B-A2298 BRAKE BLEEDER WRENCH KIT W/ CHECK VALVE

簡易型剎車油更換扳手加附逆止閥配管

- Internal seals for longer lifespan.
- Set of special socket wrenches for loosening & tightening bleed nipples of 7, 8, 9, 10 & 11 mm to cover all popular applications.
- 1.2 meters silicon hose with safety check valve.
- For bleeding brake and clutch hydraulic systems without removing the wheels.





H.C.B-A2290 FLEXIBLE HOSE CLIP NUT DRIVER

軟性套筒起子

- Comfortable, high-grip, textured handle.
- Simplify the tightening/loosening of those awkwardly positioned hose clips.
- Blade Material: WIRE STEEL
- Handle Material: TPR+P.P
- Flexible Shaft Length: 150 mm
- Overall Length: 260 mm



H.C.B-A2297 OIL/BRAKE FLUID INSPECTION SYRINGE (200 ml)

機油 / 剎車油注射器 (200 ml)

- Transparent design allows the clear view of the fluid.
- Suitable for fluid suction and injection when doing vehicle service.
- Made from composite plastic which is resistant to brake fluid and antifreeze.
- 200 c.c. capacity with quick disconnect tube.





H.C.B-C2297 DIESEL / PETROL FUEL SYRINGE (1.5 L)

柴 / 機油真空抽取注射器 (1.5 升)

- 1.5 liters
- Designed for both petrol and diesel vehicles, to retrieve excess fuel from fuel lines before maintenance.
- Eliminate the risk of fuel spills and damage to pipes, if clamped.
- Connectors for PSA/Vauxhall/Opel vehicles and two universal connectors for older cars.
- Prevents spillage.
- Adaptor 5/16" (Male)
- Adaptor Universal
- Adaptor 3/8" (Male)
- Connector Assembly 5/16" (Female)
- Connector Assembly 3/8" (Female)



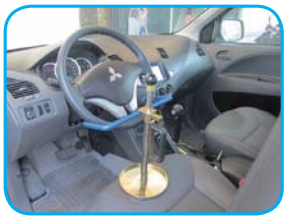


H.C.B-A1611 STEERING FIXED BASE

方向盤固定器

- This tool is designed to fix the steering wheel.
- Description:
  1. When the vehicle front wheels are incorrect, you can use this tool to align the steering wheel and the front wheels.
  2. After the steering box is removed, it will idle run. If you don't fix the steering wheel, it will damage the internal coil of the airbag.





H.C.B-A2303 ENGINE OIL FUNNEL KIT (7 PCS)

引擎油加油蓋組 (7 PCS)

- Include six adapters to fit over a hundred models.
- DO NOT USE BRAKE CLEAN! Using brake parts cleaner or parts washer on plastic voids warranty. DO NOT USE BRAKE CLEAN!
- **Application:**

  Orange Adaptor for VAG/BMW
  Silver Adaptor for VOLVO
  Green Adaptor for TOYOTA
  Black Adaptor for SUBARU
  Blue Adaptor for FORD (MAZDA) (Hyundai diesel)
  Red Adaptor for HONDA (Hyundai 16V) (NISSAN 2.5)



H.C.B-A2295 AIR BAG TOOL (4 PCS)

安全氣囊工具 (4 PCS)

- Dr. 1/4" × 85 mm long
- Sizes: 3 × Star Tamperproof T25/T27/T30, 1 x Hex bit 5 mm torx*
- Materia: Chrome Vanadium, bits from S2 steel
- The tool kit is used to remove and replace the airbag fixings accurately and securely on a wide range of vehicles.
- Application: Audi/Volkswagen/BMW/Mercedes-Benz/Vauxhall/Opel



H.C.B-B2124 3/8" OIL DRAIN SOCKET KIT (15 PCS)

3/8" 油底殼螺絲套筒組 (15 PCS)



Specifications:

⬢ 8 mm HEX-BMW (BA), FORD (GB), GM (BA, GB)
9 mm HEX-GENERAL MOTORS (BA)
9.5 mm (3/8") HEX-BLMC (MORRIS) (BA), LANCIA BETA (DIFF)
10 mm HEX-FORD (GB)
12 mm HEX-FIAT LANCIA (GB,SU), PEUGEOT TALBOT (GB,SU)
14 mm HEX-LANCIA (GB,SU), MERCEDES (BA,GB)
17 mm HEX-LANCIA, AUDI (GB), AUSTIN (GB), BMW (GB), VW (GB)

■ 8 mm (5/16") CITROEN (GB,SU), PEUGEOT (BA,GB,SU), RENAULT (SU), TALBOT (GB,SU), VOLVO(SU)
9.5 mm (3/8") HONDA (GB,SU), MAZDA (BA,GB), PEUGEOT (GB,SU), SAAB (GB), VOLVO (BA,SU)
11 mm FORD (BA,GB)
12 mm TOYOTA
13 mm NISSAN (BA,GB),SUBARU (BA)

⬡ 10 mm BMW, FORD RENAULT TOYOTA

▲ 3/8" RENAULT

H.C.B-A2304 OIL FILLER FUNNEL TOOL KIT (7 PCS)

加油漏斗蓋組 (7 PCS)



- Oil filler kit for modern engines.
- 1 liter funnel
- Prevents oil leakage when refilling with engine oil avoiding contamination of engine block, exhaust manifold etc.
- Suitable for bayonet fittings on all VAG models plus screw fittings in 4 thread sizes.
- For pouring oil where access is difficult.
- Designed to effectively seal onto the engine's oil filler aperture thus avoiding spillage onto the cam cover, engine block or exhaust manifold.

Name	Qty
Angled Aluminium Extension	1
Bayonet Adaptor Fitting - BMW, Dodge, Mercedes Benz, VAG	1
Funnel	1
Sealing Connector Adaptor - BMW V6 & V8 (1996-2013)	1
Sealing Connector Adaptor - Dodge Sprinter	1
Sealing Connector Adaptor - Mercedes Benz 112 & 113 engines	1
Sealing Connector Adaptor - VAG 1.8T, 1.9 TDI, 2.0T, 2.8L, 3.0L, 3.2L, 3.6L, 4.2L	1
Sealing Connector Adaptor - Volvo 2.5T	1
Threaded Adaptor (M32 x 3.5) Some Ford, Jaguar, Honda, Mazda & Nissan	1
Threaded Adaptor (M35 x 4.0) Most Mazda	1
Threaded Adaptor (M37 x 3.0) Lexus & Toyota (exc. Prius & Yaris)	1
Threaded Adaptor (M42 x 4.5) Subaru All Models (exc.Tribeca)	1

H.C.B-A2307 RATCHET EXHAUST PIPE CUTTER

排氣管切管器



- Universal application pipe cutter designed for where access is restricted.
- Ratchet mechanism allows cutting without having to rotate the tool completely around the tubing.
- Suitable for the toughest materials including stainless steel exhaust pipes.
- Contents: 1-1/8" - 2-9/16" → 31 - 65 mm thickness ≤ 3 mm

H.C.B-A2296 HOSE CLAMP PLIER (0-38 mm)

水管夾線鉗 (0-38 mm)



- Size: 0-38 mm jaws × 240 mm long
- The jaw is made from Chrome Molybdenum - handle Carbon Steel, and it also has Nickel plated finish & electro deposited coating.
- Suitable for a variety of ring type or flat band hose clips/clamps
- The jaws have a special waffle shape which can securely reach, grab, remove or lock the hose clamp in place.
- This hose clip pliers has solved the problem of being used on all sizes of spring-type hose clips and clamps. They have a lattice-shaped tooth design that lets them grip the tangs of the clamp securely at any angle — even from the margin.
- The patented design includes a ratchet mechanism which is used to lock the clamp in place when it is removed, this protects the hose or induction pipe from being crushed by the clamp and makes it much easier to refit the clamp. The slim design is ideal for narrow spaces and both of the carbon steel handles and chrome molybdenum steel jaws make this patented plier have extra force to pull the stubborn clips.

H.C.B-B2296 HOSE CLAMP PLIER (22-55 mm)

水管夾線鉗 (22-55 mm)

- Hose clamp pliers 22-55 mm
- Length of jaws: 22-55 m x 240 mm
- Jaw is made from Chrome Molybdenum - handle Carbon Steel, and it also has Nickel plated finish & electro deposited coating.
- Suitable for a variety of ring type or flat band hose clips/clamps
- The jaws have a special waffle shape which can securely reach, grab, remove or lock the hose clamp in place.
- Patented product.



H.C.B-C1475 NEW HIGH PRESSURE FUEL LINE SOCKET (Dr. 3/8" x 19 mm x 78 mm L)

高壓油管套筒 (Dr. 3/8" x 19 mm x 78 mm L)

- Material: CR-V with silver chrome plating, matt finish.
- Universally suitable for the coupling nut of the high pressure fuel line of passenger cars and trucks.
- Specially cut-socket (19 mm) for quick and easy loosening and tightening the union nut at high pressure lines of common rail diesel engines.







H.C.B-D1475 NEW HIGH PRESSURE FUEL LINE SOCKET (Dr. 3/8" x 21 mm x 78 mm L)

高壓油管套筒 (Dr. 3/8" x 21 mm x 78 mm L)

- Material: CR-V with silver chrome plating, matt finish.
- Universally suitable for the coupling nut of the high pressure fuel line of passenger cars and trucks, such as DAF XF/ CF with Euro 6, MX11/ MX13 engine.
- Specially cut-socket (21 mm) for quick and easy loosening and tightening the union nut at high pressure lines of common rail diesel engines.





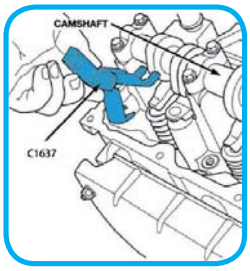


H.C.B-C1637 NEW CHRYSLER/ DODGE/ JEEP 3.7/ 4.7 L VALVE SPRING COMPRESSOR

CHRYSLER/ DODGE/ JEEP 3.7/ 4.7 L 汽門彈簧拆裝器



- Valve spring compressor for Jeep, Dodge, Chrysler with 3.7 L and 4.7 L engines.
- Application:
  2004-2009 Dodge Durango 3.7, 4.7 Engine
  2005-2011 Dodge Dakota 3.7, 4.7 Engine
  2005-2014 Jeep Grand Cherokee 3.7, 4.7 Engine
  2005-2010 Jeep Commander 3.7, 4.7 Engine
  2007-2009 Dodge Aspen 3.7, 4.7 Engine
  2006 (DR, HB, KJ, ND) - Systems (9 - Engine, 3.7L,9 - Engine, 4.7L)
  2007 (DR, KA, KJ) - Systems (9 - Engine, 3.7L)
  2008 (DR, KA, KK) - Systems (9 - Engine, 3.7L)
  2009 (DS, KA, KK) - Systems (9 - Engine, 3.7L)
  2010 (DS, KA, KK) - Systems (9 - Engine, 3.7L)
  2011 (DS, KA, KK) - Systems (9 - Engine, 3.7L)
  2012 (DS, KK) - Systems (9 - Engine, 3.7L)



H.C.B-A1637 CHRYSLER/ DODGE/ JEEP 3.7/ 4.7 L ROCKER ARM REMOVER/ INSTALLER

CHRYSLER/ DODGE/ JEEP 3.7/ 4.7 L 汽門搖臂拆裝器



- Rocker Arm tool for Jeep, Dodge, Chrysler with 3.7 L and 4.7 L engines (1999-2013)
- Application:
  2006 (DR, HB, KJ, ND, WK, XK) - Systems (9 - Engine, 3.7L, 9 - Engine, 4.7L)
  2007 (DR, HB, HG, KA, KJ, ND, WK, XK) - Systems (9 - Engine, 3.7L, 9 - Engine, 4.7L)
  2008 (DR, HB, HG, KA, KK, ND, WK, XK) - Systems (9 - Engine, 3.7L, 9 - Engine, 4.7L)
  2009 (DS, HB, HG, KA, KK, ND, WK, XK) - Systems (9 - Engine, 3.7L, 9 - Engine, 4.7L)
  2010 (DS, KA, KK, ND, WK, XK) - Systems (9 - Engine, 3.7L, 9 - Engine, 4.7L)
  2011 (DS, KA, KK, ND) - Systems (9 - Engine, 3.7L, 9 - Engine, 4.7L)
  2012 (DS, KK) - Systems (9 - Engine, 3.7L, 9 - Engine, 4.7L)
  2013 (DS) - Systems (9 - Engine, 4.7L)

H.C.B-A1755 NEW CHRYSLER/ DODGE 3.5 L/ 4.0 L V6 CAM GEAR HOLDER

CHRYSLER/ DODGE 3.5 L/ 4.0 L V6 凸輪齒盤固定工具

- Hold the hex at the gear hub making removal and torquing of the cam gear bolt easy and accurate.
- The hole at the center of this tool allows a socket to be inserted through the tool for removal and replacement of the cam gear bolt.
- Application: 1995-2010 Dodge/ Chrysler cars, trucks, SUVs and vans equipped with 3.5 L V6 engine.



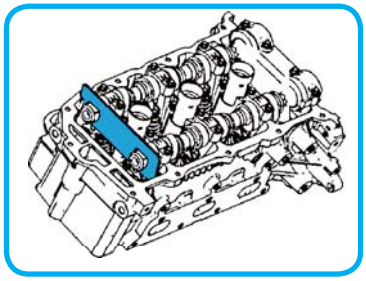


H.C.B-A1756 NEW GM 3.6 L CAMSHAFT HOLDING TOOL KIT

GM 3.6 L 凸輪軸固定工具組

- This tool kit can hold the camshaft in position while repairing the timing chain. Extra large design to disable the installation of valve cover to prevent this tool from leaving inside the engine after service.
- H.C.B-A1756 is suitable for 2006 or older model.
- Application: V6 engine
  2005-2006 Buick Lacrosse 3.6L vin 7
  2004-2006 Buick Rendezvous 3.6L vin 7
  2004-2006 Cadillac CTS 3.6L vin 7
  2005-2006 Cadillac STS 3.6L vin 7
  2004-2006 Cadillac SRX 3.6L vin 7
  2004-2006 Cadillac CTS 2.8L vin T





H.C.B-A1766 NEW CUMMINS LEADCA 3.5 TONS CRANKSHAFT REAR SEAL REMOVEAL/ INSTALLATION TOOL KIT

康明斯中華新達 3.5 噸曲軸後油封拆裝工具

- This tool kit can install the crankshaft rear oil seal of Cummins Leadca 3.5 tons quickly and precisely.





H.C.B-A2018-32 NEW RENAULT OIL FILTER WRENCH (Dr. 1/2", 12 RIBS, 76 mm)

RENAULT 機油芯扳手 (Dr. 1/2" , 12 齒 , 76 mm)

- With a 1/2" torque wrench, oil filters can be easily loosened or tightened to designed torque.
- Application:
  -BMW R Hexhead, R1200GS, R, RT, S, ST, R900RT, K1200R, S, HP2, F650, F800……, etc.
  -Renault with EF34 oil filters
  Renault Twingo R5, Rapid sedan with C, Clio, Kangoo petrol-R12 Espace III, Laguna sedan with F, Megan Kangoo with K Gasoline engines, R21 Espace I + III F Gasoline engines and Traffic with J gasoline engines
  - Ford Diesel 1.8 Motorcraft filter and EFL344
  - Peugeot with Purflux Filter







H.C.B-A1774 NEW S TYPE WRENCH (12 mm)

車門後扣扳手 (12 mm)

- S angle designed wrench for adjusting and detaching the door mounting bolt of a car. Easy operation such as bolt for body side which is difficult if using conventional glasses wrench, spanner and so on.
- Dimensions: 12 mm x 12 points
- Application: Toyota/ Daihatsu/ Mitsubishi/ Suzuki/ Nissan/ Honda





H.C.B-A1781 NEW V-RIBBED BELT INSTALLATION TOOL KIT

V 型皮帶安裝工具組

- Allow damage free mounting of flexible multi-ribbed belts, flexible belt drive requires no idler, but these special assembly tools.
- For the straightforward removal and fitting of new flexible V-ribbed belts (e.g. air-conditioning compressor).
- Also suitable for use with double-belt drives.
- Application:
  - BMW 118, 120, 318, 320, 325, 330, 335, 520, 525, 530, 535, 635, 720, X3, X5
  - Audi A3 1.6/ 2.0D
  - Seat Altea, Ibiza 1.6/ 2.0D
  - Skoda Octavia, Yeti 1.6/ 2.0D
  - Volkswagen Eos, Golf, Passat, Polo, Scirocco 2.0D
  - Chrysler Grand Voyager, Voyager 2.5D/ 2.8D
  - Ford C-Max, Focus, C-Max, Mondeo, Tourneo, Transit 1.4/ 1.6/ 1.8/ 2.0 Transit, Transit Tourneo 2.2D, Courier, Fiesta, Fusion 1.6
  - Mazda 3, 5, Axela 1.8/ 2.0 und Modell 2 1.2/ 1.4/ 1.6
  - Mercedes Sprinter, Viano, Vito 3.0D
  - Peugeot 206, 207, 307, Boxer 1.6D /2.2D /3.0D
  - Citroen C2, C3, C4, Jumper, Relay 1.6D/ 2.2D/ 3.0D
  - Fiat Albea, Doblo, Ducato, Fiorino, Fiorino Qubo, Linea, Palio, Siena,Stilo, Strada Pickup 2.2D/ 2.3D/ 3.0D, Doblo, Marea, Multipla 1.6
  - Iveco Daily 2.3D/ 3.0D
  - Volvo C30, S40, V50 1.6/ 1.8/ 2.0
  - Lancia Lybra 1.6
  - Mitsubishi ASX 1.8D

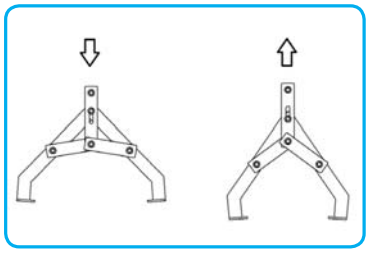


H.C.B-A1783 NEW BARREL LIFTER

油桶吊具

- Maximum capacity: 300 kgs
- Grip range: Ø 420 mm ~ Ø 620 mm
- Used for fast loading and unloading of maximum 300 KGS barrel.
- Can work together with H.C.B-A2014 or hook from forklift.







H.C.B-A1772 NEW OIL FILTER WRENCH KIT (14 PCS)

機油芯扳手組 (14 PCS)





- A complete size of oil filter wrench would help the engineer do more maintance.

No.	Ref:	Flutes	Size	Dr.	Application
1	A1130	16	86	1/2”	BMW (316i, 318i ab ’01 etc), most all newer Volvo models S40 / V50 (2004.5 +)], [C70 (2006+)], [C30 (2008+)]. [S80 (2007+) with 3.2 6-cyl or 3.0 T6], [V70 / XC70 (2008+) with 3.2 6-cyl or 3.0 T6], [XC90 (2007+) with 3.2 6-cyl], [XC60 (2010+) with 3.2 6-cyl or 3.0 T6]..
2	A1131	14	74	1/2”	All Mercedes-Benz models (Especially M271/M272). Audi (A3), BMW (E36), Citroen, Fiat, Ford, Lancia, Mazda, Nissan, Opel, Peugeot, Porsche (Cayenne Diesel 3.0 L), Renault, Toyota, VW (Golf IV), Ford Metrostar……, etc.
3	A1166	15	82	1/2”	HYUNDAI TRAJET (DIESEL ENGINE)
4	A1243	14	84	1/2”	2007 Dodge Sprinter, Mercedes-Benz E320 (2007), C320, CLS320, E280, S320, ML280, ML320 and the 2007 Jeep Cherokee with the 3.0L V6 CRD (Common Rail Diesel) engines, BMW……, etc.
5	A1272	14	64	3/8”	Fits 2007–2008 Toyota 3.5L V6 Lexus Models: GS 300 (2006), IS 250 (2006-), IS 350 (2006-), ES 350 (2007-), GS 350 (2007-), GS 450h (2007-), LS 460 (2007-), RX 350 (2007-) and LS 600h L (2008).
6	B1370	14	64.5	3/8”	Allion · Auris · Corolla axio · Corolla fielder · Corolla rumion · Isis · Ist · Noah · Premio · Prius · Voxy · Wish
7	A1476	12	75	3/8”	Application: BMW motorcycle BMW OEM no. ref: 114 660/661
8	A1645	15	90	3/8”	Jaguar: 2010 and Newer 5.0L V8 Engines in the XJ, XJL, XK, XKR, XF, XFR and XKR Land Rover: 2010 and Newer 5.0L V8 Engines in the LR4, Ranger Rover and Range Rover Sport
9	A2220-B	6	27	3/8”	Benz A Class,VW,2.8L, 3.2L & 3.6L V6 Cadillac CTS,STS and SRX Buick Rendezvous Ultra, Lacrosse CXS and Saturn L3000,SAAB 9-5 & Benz 1.8L
10	A2220-D	6	32	3/8”	2.2 Saturn Ecotec, SAAB and GM
11	A2220-E	6	35/36	3/8”	Ford 6.0L diesel fuel and oil filter housings, Mini Cooper and some BMW oil filter housings and mack truck oil filter housing BMW M52, M60, M62, M70, & M73 engines; M-B OM604, 605, & 606 engines; VW/Audi VR6 engine. MERCEDES-BENZ 116 MB, 100 D Transporter, Actros MP 1, MP 2, BMW M 52-6 cyl.: 3 Series since 09/1995, 5 Series since 11/1995, M 60-8 cyl.: 5, 7 and 8 Series, M 73-12 cyl.: 7 Series, 8 Series, 1 Series (E87): 118d, 120d, OPEL Vectra B DI 16 V,VW Lupo 1.2 TDi, model year 1999, VW Touareg TDi, VW T5 2.5 D, AUDI 6 cyl. petrol engines since 12/2007 For MAN fuel filter e.g. TGA
12	A2094		60-80	1/2”	
13		15	88.8	3/8”	Available for Hyundai model: Azera(2005-2010), Entourage(2006-2008), Genesis(2008-2014), Santa Fe(2006-2009), Sonata(2005-2010), Veracruz(2006-2012) Available for Kia model: Amanti(2007-2009), Sedona(2007-2008), Sorento(2007-2009)
14		16	86.6	3/8”	BMW - 335i 3.0L Twin Turbo, BMW - 535i 3.0L Twin Turbo, BMW - BMW 3 Series (E90), BMW - X6 3.0L Twin Turbo, Volvo - All Models(1999 - 2006)(exc. 2005 40 & 50 Series)

H.C.B-A1784 NEW CHRYSLER/ JEEP/ GM 2.5/ 2.8L DIESEL TIMING TOOL KIT

CHRYSLER/ JEEP/ GM 2.5/ 2.8L 柴油引擎正時工具組





- This kit includes crankshaft and exhaust camshaft locking tools for older and newer models. (The camshaft timing reluctor changed for 2014 models)
- Application:
  Jeep Cherokee 2.8CRD with Engine Code ENS (51C) from 2008-2011 Chrysler Grand Voyager with Engine Code VM64C from 2008-2011
  For 2014 and later Chevy & GMC trucks with 2.8L (LWN) or 2.5L (LKH) "Baby" Duramax Turbo-Diesel.
- **OEM no. ref.:** VM 9991/ VM 9992/ EN-50029/ EN-50030/ EN-51025/ EN-51104

H.C.B-B1784 NEW CHRYSLER/ JEEP/ DODGE 2.8L DIESEL ENGINE TIMING TOOL SET

CHRYSLER/ JEEP/ DODGE 2.8L 柴油引擎正時工具組



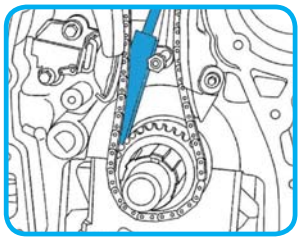
- Introduction: A kit consisting of the components required to lock the crankshaft and camshafts in their timed position to allow the removal and replacement of the cam-belt and associated components.
- Application:
  Jeep Cherokee (2008-2011), Chrysler Grand Voyager (2008-2011), Suitable for Crysler: Grand Voyager, Jeep Cherokee, Wrangler, Dodge Nitro
- Engine codes: VM64C, ENS, ENS (51C), 49C, 50C, ENS VM10D, ENS VM11D
- **OEM no. ref.:** VM9991, VM9992, EN-50029, EN-50030

H.C.B-A1798 NEW GM LOWER TIMING GEAR RETAINER

GM 下正時齒輪固定工具



- This tool is required to help keep the lower timing gear tensioner stationary while the cylinder head is removed from the I4,I5,I6 engines.
- If this tool is not used, it will cause the lower timing gear tensioner to extend necessitating the need to disassemble the lower part of the engine which increases the labor time by 12.8 hours for cylinder head repair.



H.C.B-A1820 NEW SPARK PLUG SOCKET (Dr. 3/8", 12 POINTS, 14 mm × 250 mmL)

火星塞套筒 (Dr. 3/8", 12 角 , 14 mm × 250 mmL)

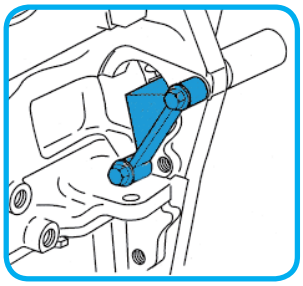
- 12 point profile with thin wall, matt finish and knurled end with 3/8" drive.
- Manufactured from Chrome Vanadium.
- Special clip inside to retain the plug when installing or removing.
- Application:
  Citroen C5.Peugeot 406 with petrol driven engines (EW10D) Citroen (596001), Bosch (ZR8TPP15/ FR8ME) spark plugs, NGK LFR5B / ILFR5B / LFR5A-11 / PLFR5A-11, and DENSO K16HPR-U11 / IKH16 / VKH16.



H.C.B-A1839 NEW GM V6 ENGINE FLYWHEEL HOLDER

GM V6 引擎飛輪固定工具

- This tool is mounted onto the engine block to engage the ring gear to properly lock the flywheel during certain procedures.
- Application: GM / General Motors
- **OEM No. ref.:** EN-46106





H.C.B-A1840 NEW CHRYSLER CAMSHAFT PHASER LOCKING TOOLS (3.0/ 3.2/ 3.6L)

克萊斯勒凸輪軸固定工具 (3.0/ 3.2/ 3.6L)

- Used to hold the camshaft phaser while performing the loosening and tightening of the Oil Control Valves during service procedures on the 3.6 L Engine.
- Application:
  2011 (Journey, 200, 200 Convertible, Avenger, Sebring, Sebring Convertible, Challenger, Charger, 300, 300C, Charger, Magnum, Grand Caravan, Caravan, Town & Country, Durango, Grand Cherokee) - Systems (9 - Engine, 3.6L)
  2012 (Journey, Wrangler, 200, 200 Convertible, Avenger, Sebring, Sebring Convertible, Challenger, Charger, 300, 300C, Charger, Magnum, Grand Caravan, Caravan, Town & Country, Durango, Grand Cherokee) - Systems (9 - Engine, 3.6L)
  2013 (Ram Truck 1500, Journey, JF, Wrangler, 200, 200 Convertible, Avenger, Sebring, Sebring Convertible, Challenger, Charger, 300, 300C, Charger, Magnum, Grand Caravan, Caravan, Town & Country, Durango, Grand Cherokee) - Systems (9 - Engine, 3.6L)
  2014 (Ram Truck 1500, Journey, JF, Wrangler, 200, 200 Convertible, Avenger, Sebring, Sebring Convertible, KL, Challenger, Charger, 300, 300C, Charger, Magnum, Grand Caravan, Caravan, Town & Country, VF, Durango, Grand Cherokee) - Systems (9 - Engine, 3.0L Gasoline, 9 - Engine, 3.2L, 9 - Engine, 3.6L)
- **OEM no. ref.:** 10202-1/10202-2

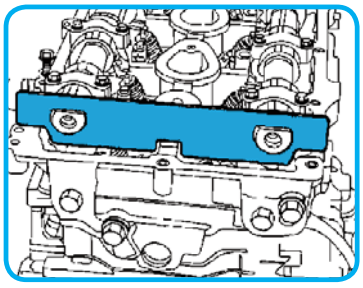


H.C.B-A1841 NEW GM CAMSHAFT HOLDING TOOL (3.5L/ 4.2L)

GM 凸輪軸固定工具 (3.5L/ 4.2L)



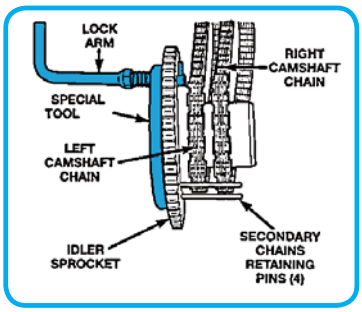
- Application:
  2004-2006 Chevrolet Colorado 2.8L
  2004-2006 GMC Canyon 2.8L
  2002-2004 Oldsmobile Bravada 4.2L vin S
  2004-2006 Buick Rainier 4.2L vin S
  2002-2008 Chevrolet Trailblazer 4.2L vin S
  2002-2006 GMC Envoy 4.2L vin S
  2004-2006 Chevrolet Colorado 3.5L vin 5 5 cylinder
  2004-2006 GMC Canyon 3.5L vin 5 5 cylinder



H.C.B-A1842 NEW CHRYSLER SECONDARY CAMSHAFT CHAIN HOLDER (3.7L / 4.7L)

克萊斯勒第二凸輪軸鏈條固定工具 (3.7L/ 4.7L)

- Use this special tool to hold the camshaft secondary chains in place on the idler sprocket during timing chain installation in 4.7 Liter engines 1999 thru Current and 3.7L engines 2003 thru Current.
- Application:
  1999-2010 Jeep Grand Cherokee 3.7L 4.7L
  2006-2010 Jeep Commander 3.7L 4.7L
  2000-2009 Dodge Durango 3.7L 4.7L
  2000-2011 Dodge Dakota 3.7L 4.7L
  2002-2008 Dodge Ram Truck 3.7L 4.7L
  2006-2012 Jeep Liberty 3.7L
  2007-2009 Dodge Aspen 3.7L
  2007-2011 Dodge Nitro 3.7L
  2009-2013 Dodge Ram Truck 1500 3.7L 4.7L







H.C.B-A1843 NEW GM CAMSHAFT TIMING TOOLS

GM 凸輪軸固定工具

- Tools for holding the camshaft to timing position for further servicing. Fail to use A1843 can result in incorrect timing, and lead to engine damage.
- Applications:
  2007-2011 GMC Acadia, Buick Lacrosse, Cadillac CTS, SRX and STS
  2007-2009 Pontiac G6 and Saturn AURA
  2007-2010 Saturn OUTLOOK
  2008-2009 Pontiac Torrent;
  2008-2011 Buick Enclave, Chevrolet Malibu and Equinox
  2008-2010 Saturn VUE
  2010-2011 Chevrolet Camaro
  2011 Chevrolet Traverse

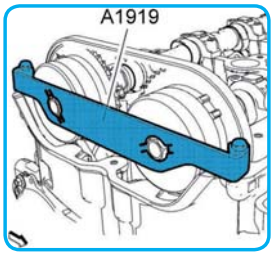


H.C.B-A1919 NEW GM CAMSHAFT ACTUATOR LOCKING TOOL (ECOTEC 2.0/2.4L)

GM 凸輪軸 ACTUATOR 固定工具 (ECOTEC 2.0/2.4L)

- For GM / General Motors. The camshafts on the ECOTEC engines must be held when removing or installing the cam phaser bolts, or the timing chain may slip and not keep its relationship to the phasers. A1774 mounts to the front of the block and its tabs engage both cam phasers to hold them so the phaser bolts may be serviced. A pass-through hole on each side allows a socket to be used to remove or install the phaser bolt. Current service methods use an open end wrench to hold the cam, and can be very awkward, especially for in-vehicle service.
- Application: Ecotec/2010 Buick LaCrosse, 2010 Chevrolet Equinox, 2010 GMC Terrain, 2.0L, 2.4L ECOTEC engines





H.C.B-A1928 NEW HOLDEN/VAUXHALL/OPEL 2.0 CDTI TIMING CHAIN TOOL KIT (LFS / B20DTH)

HOLDEN/VAUXHALL/OPEL 2.0 CDTI 正時鍊條工具組 (LFS / B20DTH)

- Used to lock camshafts and crankshaft in position when servicing the timing chain.
- Application:
  Vauxhall/Opel 2.0 CDTI - LFS/B20DTH (2.0 CDTi from 2014 on)
  Models: Cascada 2015-2017, Insignia 2014-2017, Insignia Country Tourer 2014-2017, Zafira-C Tourer, CDTi EcoFLEX
  Holden: Commodore / Calais (ZB)/Opel: Insignia / Zafira
  Engines: B20DTH (LFS)
- **OEM no.ref.:** EN 51415/EN 51418



H.C.B-A1929 NEW HYUNDAI / KIA HIGH PRESSURE FUEL INJECTION PUMP SPROCKET TOOL (2.0 / 2.2L CRDI)

HYUNDAI / KIA 高壓泵拆卸器 (2.0 / 2.2L CRDI)

- Used to remove the high pressure diesel fuel pump sprocket on the CRDI Hyundai 2.0L and 2.2L (shared with KIA) engines with a timing chain .
- Application: 2.0L / 2.2L CRDI engine.
- **OEM no.ref.:** 09331-1M100



H.C.B-A1930 NEW HYUNDAI / KIA HIGH PRESSURE DIESEL PUMP SPROCKET TOOL (2.5L)

HYUNDAI / KIA 高壓柴油泵拆卸器 (2.5L)

- For removal and replacement of the high pressure fuel pump.
- Designed for separate the diesel pump sprocket from the high pressure diesel pump on the 2.5 common rail diesel engines used across the Hyundai and Kia ranges from 2002.
- Application:
  Models: Kia: Sorento BL (2002-2010) Hyundai: H1, H200, H300/ iLoad (TQ; 2007-present) Montana 2002 to 2017 CRDi, H350 2015 to 2017 CRDi VGT i800,
- Engines: Kia: D 2.5 VGT / D 2.5 WGT
  Hyundai: D 2.5 TCI-A / D 2.5 TCI-A2
- **OEM no.ref.:** 09331-4A000 (093314A0000)



H.C.B-A1938 NEW FIAT MULTIAIR ACTUATOR TOOL

FIAT 可變進氣作動器工具

- For tensioning the spring plates of the Uniair and Multiair modules.
- Use with 1.4 Multi and Turbo Multi Air engines
- **OEM no.ref.:**2000034500



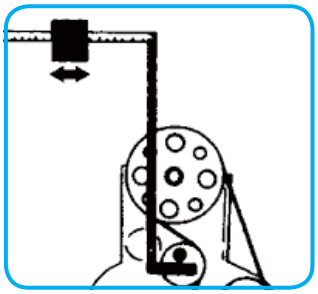


H.C.B-A1939 NEW ALFA / FIAT TIMING BELT TENSION TESTER

ALFA/ FIAT 正時皮帶張力測試儀

- Special tool for adjusting the tension of the toothed belt
- Clamp with weight and scale, to be used as 1860745100
  Adapter for tensioner, to be used like 1860745300
  The clamping bracket is mounted with the help of the adapter in the specially provided holes of the tensioning roller.
- The weight is adjusted to the correct setting depending on the engine code and vehicle.
- Special feature: The motor is turned through 2 times with a loose tensioner only with tension by the clamping tool, then tighten the tensioner pulley.
- A setting procedure without a clamping tool can lead to belt noises, timing errors and possibly higher wear.
- Application :
  Citroen / Peugeot 8210-T.E. / 8210-T.D. , 8210TE / 8210TD
  Alfa / Fiat 1 860 745 100/1 860 745 300
- **OEM no. ref.:** 1860745100/ 1860745300





H.C.B-A2349 NEW SELF TAPPING THREADED INSERT KIT (29 PCS)

螺紋修護組 (29 PCS)

- For the repair and restoration of damaged threads.
- The kit includes self tapping threaded inserts, thread insert holders and bit holders
- Inserts cut own thread when inserting into oversize drilled hole
- Saves time and money, with no taps needed and only having to tap once with the insert
- Includes self-tapping threaded inserts:
  M6x1.0,M8x1.25,M10x1.25,
  M12x1.25,M12x1.5
- 3/8"Drive x 10mm Hex.Bit Holder (1PCS)
  1/2"Drive x 10mm Hex.Bit Holder (1PCS)
- Screw Coil:
  M6x1.0 (5 PCS) M8x1.25 (5 PCS) M10x1.25 (4 PCS)
  M12x1.25 (4 PCS) M12x1.5 (4 PCS)
- Covering sizes: M6, M8, M10, M12.



H.C.B-A1537 HYUNDAI INJECTOR REMOVER

HYUNDAI 噴油嘴拆卸工具

- This kit is designed to remove stuck injectors from most Korean vehicles Suits: Kia Models
- **Application:**
  Hyundai Models
  Starex, Lativa, Matrix, Trajet, Terracn, Santa Fe (sm), Libero, Avante XD, Grandeur XD,Getz, Tucson, NF Sonata, 06 Accent, Porter 4044





H.C.B-A1956 NEW ROD BOLT STRETCH GAUGE

螺桿拉伸測試錶

- Using a rod bolt stretch gauge when installing rod bolts and other fasteners is highly recommended whenever it is possible to measure the length of the bolt after torquing.
- This gauge has been developed to provide optimum accuracy in determining the correct pre-load in the installed rod bolt. The products main purpose is to obtain the proper torque load when installed in the engine, and monitoring the condition of the bolt while in use.



H.C.B-B1956 NEW CONNECTING ROD VISE

連桿虎鉗

- This vice can be directly bench mounted or mounted in a shop vice and is able to hold one, two or four connecting rods at a time.
- this rod vice is suitable for removing or installing rod bolts, beam polishing, machining, or torquing connecting rods; and will securely hold them without damage.
- The vice is designed with a top speed handle for increased leverage and can be used on head valve spring compressors.
- Ideal for Aluminum and Steel Connecting Rods
- Can Hold Several Connecting Rods at Once
- Mount in Shop Vise or Bench Mounted





HWANG CHERNG BIN H.C.B

SINCE 1990

018

HWANG CHERNG BIN

Specialty Tools Inc.



一般修護工具 變速箱

GENERAL TRANSMISSION REPAIR TOOL





H.C.B-A1009 AUTOMATIC TRANSMISSION CLUTCH SPRING COMPRESSOR

自動變速箱離合器壓板拆裝工具

- For removing and installing the transmission rear clutch piston snap ring.
- This tool is adjustable and suitable for most models of American cars and light trucks.





H.C.B-A2009 CLUTCH ALIGNMENT TOOL (IRON)

離合器對孔校正器 (鐵)

- Align single disc clutches on most of vehicles, light trucks & tractors. Properly aligns clutch plate by tapered cone fitting into pilot bushing or bearing.
- Size of 8 collects: from 0.456' (11 mm) to 0.980' (24.9 mm).
- N.W.: 0.7 KGS
- 可校正大部份汽車、輕型卡車和拖車上的單碟離合器。將圓錐伸入導向鐵套或培林中，即可校正離合器盤。
- 接頭尺寸：0.465"-0.98" (11㎜-24.9㎜)
- 淨重：0.7公斤



H.C.B-A1015 BLIND HOLE BEARING PULLER

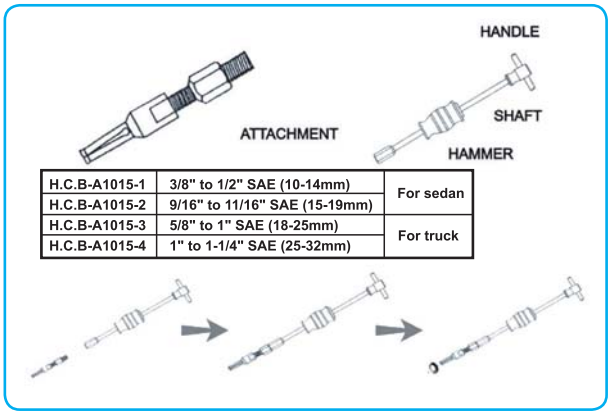
隱蔽型培林拔卸組

5 / 17.2 / 18 / 1.64'





- This kit contains one slide hammer and 4 clamps.
- Clamps' dimensions:
  ① 3/8" to 1/2" (10~14 mm)
  ② 9/16" to 11/16" (15~19 mm)
  ③ 5/8" to 1" (18~25 mm)
  ④ 1" to 1-1/4" (25~32 mm) ID bearings' pulling.
- Turn the handle clockwise to open the front end of clamps to snug against the bearing for pulling out evenly without damaging the parts.
- 本組工具包含一支滑鎚和四支螺桿拔取爪。
- 螺桿拔取爪尺寸：
  1. 3/8" - 1/2" (10-14㎜)
  2. 9/16" - 11/16" (15-19㎜)
  3. 5/8" - 1" (18-25㎜)
  4. 1" - 1-1/4" (25-32㎜)
- 順時針方向轉動手把、張開螺桿拔取爪直到貼合培林的內側，以拔出培林。不會損壞相關零件。



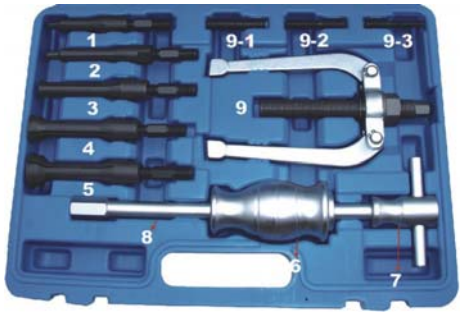
H.C.B-A1015-1	3/8" to 1/2" SAE (10-14mm)	For sedan
H.C.B-A1015-2	9/16" to 11/16" SAE (15-19mm)	
H.C.B-A1015-3	5/8" to 1" SAE (18-25mm)	For truck
H.C.B-A1015-4	1" to 1-1/4" SAE (25-32mm)	

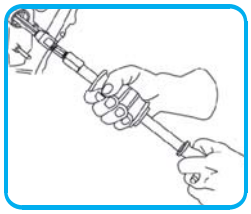
H.C.B-A2115 BLIND HOLE BEARING PULLER

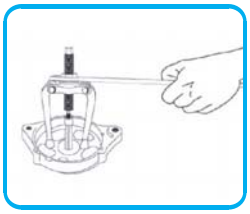
隱蔽型培林拔卸組

- Applicable to automobiles, motorcycles, and machine repairing. It is convenient and easy to use.
- Both slide hammer-type bearing puller and two-leg universal puller are capable of removing the bearings.
- It is the best tool to use on manual transmission blind hole flywheel bearing. For example, TOYOTA, FORD……, etc.
- H.C.B-A2115-9-3 can be used for removing the log pin installed on motorcycles.

Item no.	Range	
H.C.B-A2115-1	min ~ max	
	8mm~11m	
H.C.B-A2115-2	min ~ max	
	12mm~17mm	
H.C.B-A2115-3	min ~ max	
	18mm~23mm	
H.C.B-A2115-4	min ~ max	
	24mm~29mm	
H.C.B-A2115-5	min ~ max	
	30mm~34mm	
H.C.B-A2115-9-1	A size	M10*1.5P
	B size	
H.C.B-A2115-9-2	A size	M10*1.5P
	B size	M8*1.25P
H.C.B-A2115-9-3	A size	M10*1.5P
	B size	M6*1.0P









H.C.B-A2013 TRANSMISSION FLOOR JACK (1 TON)

臥式變速箱千斤頂 (1 噸)

1 / 60 / 63.8 / 3.81'



- Designed ideally for removing and installing automobile and light truck transmission or differential.
- Universal saddle, brackets and chain sling are fully adjustable to accommodate transmission, clutches and differential in varying size.
- Safety overload system and safety by-pass system prevent damage to cylinder.
- Flash chromed ram inhibits rest from entering the hydraulic system.
- Four swivel caster wheels allow for easy position.
- Low frame passes undercarriage obstacles easily.
- Sensitive releasing valve helps to lower the load.

- 可用來移除和安裝汽車及輕型卡車的變速箱或差速器的理想設計。
- 萬用的托架、支撐座和吊鏈可調整，用於各種尺寸的變速箱、離合器和差速器。
- 防超載、防傾倒系統，可避免損壞油壓缸。
- 亮面的鍍鉻油壓缸，可以預防夾帶灰塵進入油壓系統中。
- 四個可轉動的腳輪，方便推動。
- 低底座可輕易地通過汽車底盤下的障礙物。
- 感應式洩壓閥可讓載重後的千斤頂放得更低。

H.C.B-A2035 HIGH POWER DOUBLE PISTON TRANSMISSION JACK

雙活塞變速箱千斤頂

- Transmission jack with double pistons that can provide 2 times faster rising speed.
- The load is up to 500 KGS.
- Specification:

Model	Capacity	Low	High	Base Size
H.C.B-A2035	500 KGS	870 mm	1800 mm	670 x 870 mm
N.W.	**G.W.**	**Forward**	**Back**	**Side**
56.5 KGS	60 KGS	24°	19°	± 20 mm



H.C.B-A2159 AIR ASSISTED HIGH LIFT TRANSMISSION JACK

氣壓式變速箱千斤頂

1 / 63 / 65 / 3.9'

- The high lift transmission jack is designed for the installation and removal of automobile transmissions.
- Specification:

Model	Capacity	PSI	Low Height	High Height
H.C.B-A2159	454 kgs (1000 lbs.)	90	939.8 mm	1905 mm
Base Size	**Forward Tilt**	**Back Tilt**	**Left Tilt**	**Right Tilt**
850.9 × 635 mm	42°	46°	12°	12°



H.C.B-A2012 VERTICAL TRANSMISSION JACK

立式變速箱千斤頂

1 / 58 / 59.5 / 3.34'

- A professional hydraulic transmission jack for removing and installing transmissions and axles on sedans, vans and light trucks.
- Specification:

Model	Capacity	Low	High
H.C.B-A2012	500kgs	750mm	1775mm
Base Size	**Cuft**	**N.W.**	**G.W.**
730*745mm	3.2	56.5kgs	60.1kgs



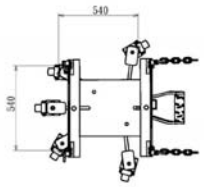
H.C.B-A2185 DOUBLE PISTON TRANSMISSION JACK (5 FEET) PAT. D134321

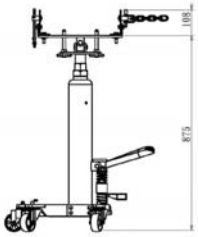
雙活塞變速箱千斤頂 (5 腳)

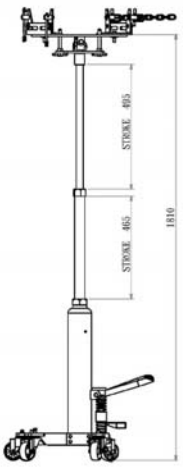
- Transmission jack with double pistons that can provide rising speed twice as fast than traditional jack.
- With high standard safety design for five feet, when the transmission jack is moved.
- The load is up to 500 kgs.











- Specification:

Model	Capacity	Low	High	Base size
H.C.B-A2185	500 KGS	875 mm	1810 mm	540 x 540 mm (5 feet)
N.W.	**G.W.**	**Forward Tilt**	**Back Tilt**	**Side**
56 KGS	59 KGS	24˚	19˚	± 20 mm

H.C.B-B2009 UNIVERSAL CLUTCH ALIGNMENT TOOL KIT

通用離合器校正工具組



- For modern front wheel drive vehicles with or without pilot / spigot bearings with flywheel fitting diameters from 12 – 20 mm.
- This tool allows the user to quickly and easily align a clutch disc towards the clutch pressure plate. Required for vehicles which do not feature a pilot- /guide bearing in the crankshaft (mostly on front-wheel-driven vehicles having a transversely installed engine).
- This tool main advantage is that it includes parallel expanding supports in place of more traditional tapered fittings that are hard to keep locating.
- The vehicles equipped with late-model front wheel drives without pilot bear in flywheel.
  For clutch-hub ø15- ø28 mm
  Sleeve: ø12, 14, 15, 16, 17, 18, 19, 20 mm



H.C.B-A2272 MASTER CLUTCH ALIGNMENT RECTIFIER KIT (15 PCS)

離合器中心校正器 (15 PCS)

- Universal application.
- Available for manual passenger cars and small trucks. (below 3500 c.c.)
- Available for manual transmission system:
  Nearly all vehicles with single disc.
  Some vehicles with double disc.
- Not suitable for DSG (double clutch) system.
- FF small car has very limited space for alignment. Short spindle can fit in very small space.
- Size: 10, 12, 14, 15, 16, 17, 19, 25, 27, 30 mm



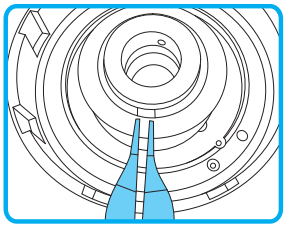


H.C.B-A2289 ANGLE TIP LOCK RING PLIERS

平口鋼圈鉗

- Spread snap lock rings pliers for brakes, transmissions, pedal shafts, clutch shafts & machine tools.
- Jaws have deep serrations on the outside of tip to help lock rings securely.
- Spreading: 3.5 ~ 28 mm.
- Total length: 225 mm.





H.C.B-A2355 NEW TRUCK TRANSMISSION JACKS (CAPACITY: 1000 KGS)

卡車變速箱千斤頂 (負重量 : 1000 KGS)

- Fully adjustable universal saddle with adjustable corner brackets and safety chain.
- Bracket and chain slings are adjustable to accommodate transmissions, clutches and differentials of varying sizes.
- Wide base with four 3-1/2" dia. swivel casters provide stability and easy maneuvering .
- Safety by pass system prevents the Jack form being over extended beyond its rated capacity.
- Rugged support design to provide greater stability .



HWANG CHERNG BIN
H.C.B
SINCE 1990

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HWANG CHERNG BIN
Specialty Tools Inc.

一般修護工具 修護設備

GENERAL REPAIR EQUIPMENT





H.C.B-B1022 TURNBUCKLE FOR SHOCK ABSORBER'S TOP LID

避震器上蓋鬆緊器



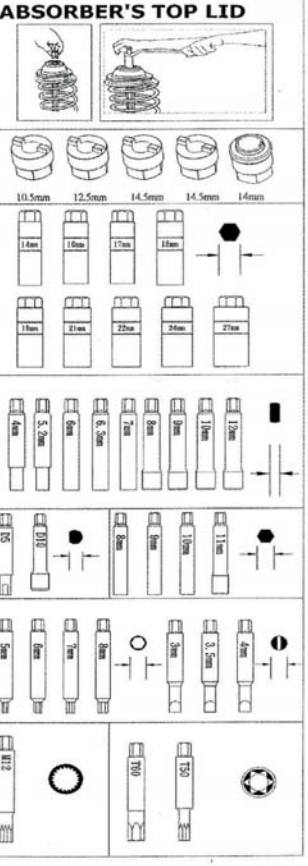




TURNBUCKLE FOR SHOCK ABSORBER'S TOP LID

Description Specification

Size	Mark	Apply the type of car
10.5 mm #01	10.5x3.5	VW Golf Rear Axle
12.5 mm #02	12.5x3.5	VW Polo Front Axle
14.5 mm #03	14.5x5	Polo, Golf, Passat, Audi 80
14.5 mm #04	14.5x3	Austin Maestro
14 mm #05	14x2.5(W203)	Mercedes Benz W203(C-class) W209(CLK)
14 mm #14	14mm	Honda, Nissan
16 mm #16	16mm	VW-Audi, Seat Fiat
17 mm #17	17mm	Ford, VW-Audi, Seat, Fiat
18 mm #18	18mm	Ford, VW-Audi, Seat, Rover, Fiat, Opel, Peugeot, Renault, Japanese Cars
19 mm #19	19mm	VW-Audi, Seat, Citroen, Fiat, Opel, Peugeot,Toyota
21 mm #21	21mm	Mercedes Benz(W203), Chrysler, VW-Audi, Japanese Cars, Ford
22 mm #22	22mm	VW-Audi, Seat, Citroen, Fiat, Opel, Peugeot, Renault, BMW
24 mm #24	24mm	VOLVO
27 mm #27	27mm	VW-Audi, Citroen, Peugeot
4 mm #34	4mm	Nissan
5.2 mm #35	5.2mm	VW-Audi, Nissan
6 mm #36	6mm	VW-Audi, Renault
6.3 mm #37	6.3mm	Nissan
7 mm #38	7mm	VW-Audi, Seat, Fiat
8 mm #39	8mm	Seat, Fiat
9 mm #40	9mm	Japanese Cars
10 mm #41	10mm	Seat, Fiat,Volvo
12 mm #42	12mm	Seat, Fiat
5mm"D" #45	D5	Nissan
10mm"D" #50	D10	Nissan,Ford
8 mm #58	8mm	Mercedes Benz
9mm #59	9mm	Opel Nauxhall, Chrysler
10mm #60	10mm	Chrysler, Ford & Bit holder
11mm #61	11mm	Japanese Cars
5mm #65	5mm	Honda
6mm #66	6mm	Seat, Fiat, Citroen, Peugeot, Ford, Opel, Renault, Jap car, BMW
7mm #67	7mm	VW-Audi, Seat, Fiat, Citroen, Peugeot, Mercedes Benz(W203), Renault
8mm #68	8mm	Mercedes Benz
3mm #73	3mm	Mercedes Benz, Opel Renault
3.5mm #74	3.5mm	Chrysler, Ford, Citroen, Peugeot
4mm #75	4mm	Citroen, Peugeot
XZN-M12 #81	M12	Opel/Vauxhall
T60 #82	T60	Ford
T50 #83	T50	Nissan,Ford



H.C.B-A1051-1 PUNCHED BOARD (885 mm x 870 mm)

洞洞板 (3 尺 X 3 尺)

- The board is designed to hang up the tools.
- Specification: 885 mm x 870 mm
- N.W: 11 KGS, G.W: 12.3 KGS

- 特別設計來吊掛工具
- 規格：885 mm x 870 mm
- 淨重：11 公斤　毛重：12.3 公斤



■ Delivery without tools

H.C.B-A1051-2 PUNCHED BOARD (L1800 mm x W865 mm x H20 mm)

洞洞板 (長 1800 mm x 寬 865 mm x 高 20 mm)

- The board is designed to hang up the tools.
- Specification: L1800 mm x W865 mm x H20 mm
- N.W: 26 KGS, G.W: 29 KGS

- 特別設計來吊掛工具
- 規格：長1800 mm x 寬865 mm x 高20 mm
- 淨重：26公斤　毛重：29公斤







H.C.B-A1051-3 3" FIXED HOOK

3" 洞洞勾





H.C.B-A1051-4 PUNCHED BOARD (561 mm x 866 mm x 20 mm)

洞洞板 (561 mm x 866 mm x 20 mm)

- The board is designed to hang up the tools.
- Specification: L 561 mm x W 866 mm x H 20 mm
- N.W: 5.21 KGS

- 特別設計來吊掛工具
- 規格：長561㎜ x 寬866㎜ x 高20㎜
- 淨重：5.21公斤



H.C.B-A1065 WAGON SUPPORTER

貨車專用安全頂架 (配合平板頂車機使用)



H.C.B-A1124 FAN CLUTCH OIL

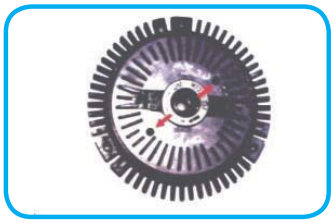
風扇離合器專用油



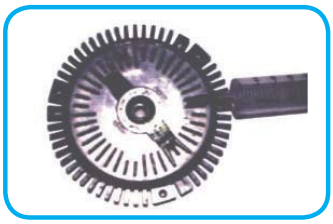




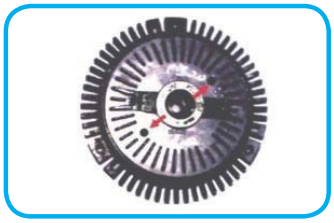
(1) Remove the fan clutch first and clean it.
先將風扇離合器拆下清洗乾淨



(2) Drill two small holes diameter about 2.5mm as photo.
於離合器對角線各鑽一個直徑約2.5mm的小孔



(3) Fill with the fan clutch oil.
將專用油注滿



(4) At last, seal the small holes by screws.
將小孔用螺絲封閉即可

H.C.B-A1135-R THE COMPACT TOOLBOX TROLLEY (RED)

美式工具車 (紅)

- Lengeth: 490 mm, Width: 764 mm, Height: 1020 mm
- N.W: 55 KGS, G.W: 60 KGS

- 尺寸：490(長) x 764(寬) x 1020(高)mm
- 淨重：55公斤　毛重：60公斤



H.C.B-A1073 3 - SHELF SERVICE CART (STAINLESS)

三層不銹鋼工具車

- Thickness: 1.5 mm
- Size: 1050 x 400 x 780 mm
- The open-type tool cart for placing repair tools.

- 厚度：1.5 mm
- 尺寸：1050 x 400 x 780mm
- 開放式的工具車



H.C.B-C1076 11 - DRAWER ROLLER CABINET

11 抽工具車

- Product Dimension:

OVERALL : 660 mm (W) x 307 mm (D) x 374 mm (H)
3 DRAWERS : 170 mm (W) x 275 mm (D) x 50 mm (H)
2 DRAWERS : 569 mm (W) x 275 mm (D) x 50 mm (H)
1 DRAWER : 569 mm (W) x 275 mm (D) x 75 mm (H)
N.W. : 25.4 KGS G.W. : 28.4 KGS CUFT : 3.97'
Top -: 660 mm (W) x 307 mm (D) x 251 mm (H)
2 DRAWERS : 569 mm (W) x 275 mm (D) x 50 mm (H)
1 DRAWER : 569 mm (W) x 275 mm (D) x 75 mm (H)
N.W. : 13 KGS G.W. : 15.5 KGS CUFT : 2.7'

Bottom - : 670 mm (W) x 460 mm (D) x 812 mm (H)
OVERALL WITH 5" CASTERS :
670 mm (W) x 460 mm (D) x 960 mm (H)
5 DRAWERS : 576 mm (W) x 380 mm (D) x 75 mm (H)
2 DRAWERS : 576 mm (W) x 380 mm (D) x 154 mm (H)
N.W. : 64 KGS G.W.: 72 KGS CUFT : 12.24'



H.C.B-A2010 4 - SHELF CART

工具車 (4 層開放式附間隔塊)

- The open tool cart to place repair tools.
- Specification: W 550 mm x D 480 mm x H 900 mm

- 開放式的工具車
- 尺寸：550(長) x 480(寬) x 900(高) mm



H.C.B-A2011 TOOL BOX, 6 DRAWERS (MODEL 300)

6 抽工具車 (300 型)

- This cabinet's drawers are equipped with ball bearing slides to increase the load.
- Quick release design ball bearing drawers can be easily removed for replacement.
- Specification: W 560 mm x D 460 mm x H 910 mm

- 配備滾珠培林抽屜的鐵櫃，可提高耐重量。
- 滾珠培林式的抽屜，方便將整個抽屜取出。
- 尺寸：560(長) x 460(寬) x 910(高) mm



H.C.B-A2001 3 - SHELF SERVICE CART

3 層工具車

1 / 21.5 / 23.5 / 4.3'

- For garage, office, warehous service.
- Two or three strudy 2” deep trays with red enamel pain.
- 4 large 3” swivel casters and two with brakes device.
- It is coming with 1 piece of tools holder.
- Capacity: 150 KGS
- Specification: W 750 mm x D 440 mm x H 960 mm

- 適用於修車廠、辦公室和倉庫。
- 3層紅色烤漆2吋深的托盤。
- 4個3吋腳輪，其中2個附有煞車。
- 方便組裝與使用。
- 配備有工具架。
- 載重：150公斤
- 尺寸：750(長) x 440(寬) x 960(高) mm





- Delivery without tools
(不含工具)



H.C.B-A2060 TOOL BOX, 7-DRAWER ROLLER CART (BALL BEARING SLIDE)

7 抽工具車

H.C.B-B2060 WALL CABINET (W: 660 mm x D: 305 mm x H: 600 mm)

工具壁櫃 (W: 660 mm x D: 305 mm x H: 600 mm)

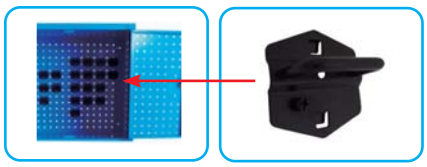
H.C.B-C2060 TOP TRAY

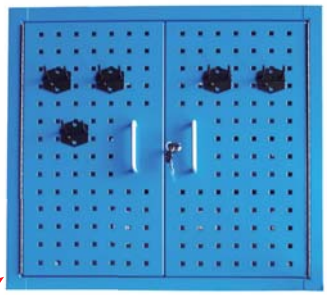
上方膠盤

H.C.B-D2060 (18") SIDE PANEL

(18") 側板







H.C.B-B2060
WALL CABINET
工具壁櫃
Size (WxDxH): 660 mm x 305 mm x 600 mm
尺寸 : 寬 : 660 mm x 深 : 305 mm x 高 : 600 mm

H.C.B-A2060
TOOL BOX, 7 DRAWERS ROLLER CART (BALL BEARING SLIDE)
7 抽工具車

Size (WxDxH): 26.3" x 18" x 32" (670 x 460 x 813 mm)
尺寸 : 670 mm(寬) x 460 mm(深) x 813 mm(高)





H.C.B-D2060
(18")SIDE PANEL
(18") 側板



H.C.B-C2060
TOP TRAY
上方膠盤

Turn the top of your A2060 series roll cabinet into a work/storage bench with one of these heavy duty tray tops. Also protects the top of your roll cabinet. Features include: sturdy handles, a large tray area, screwdriver slots, front & side storage wells.

此膠盤放置壁櫃的上方，可保護壁櫃上方避免撞擊，並多出可利用空間。
特點：有堅固的手柄與大托盤，前方與側邊有凹槽可以擺放個人平常使用的小工具，使工具不易滑落。

■ A2060 系列工具車方便收納，其特點包括：堅固的手柄，一個大托盤區，螺絲刀槽，壁櫃可以吊掛工具及側邊可以吊掛擦手紙。

H.C.B-E2060 14 - DRAWER ROLLER TOOL CABINETS

14 抽滾輪工具櫃

- This sturdy tool storage cabinet consists of heavy duty ball bearing slides on all its drawers for smooth action.
  Features include key-locking drawers and 14,600 cu. in. of storage.
- This tool storage cabinet includes four casters to easily move your tools around the shop making it the ideal tool storage cabinet for any garage or shop!



H.C.B-F2060 3 - DRAWER DOUBLE SIDED TROLLEY

3 抽雙開工具車

- This trolley is equipped with the laptop panel which can place the laptop on and helps do diagnosis service or software tuning.
- Double sided design makes it more convenient to take out the tools.
- Dimensions:
  Overall: 765 mm (W) × 490 mm (D) × 948 mm (H)
  Overall plus the 4" casters:
  765 mm (W) × 490 mm (D) × 1050 mm (H)
  1 drawer: 576 mm (W) × 415 mm (D) × 75 mm (H)
  2 drawers: 576 mm (W) × 415 mm (D) × 154 mm (H)





H.C.B-A2004 8 PCS SPECIAL SOCKET KIT

8 PCS 有齒特殊套筒組 (拆天線 . 後視鏡)

- Special socket for antenna nuts, radio trim nuts, remote control mirror adjustment lever and ball joint sleeve.
- This set services vehichles of FORD, VW, GM, NISSAN, GMC, MITSUBISHI, CHRYSLER, MAZDA and TOYOTA.
- N.W.: 0.6 KGS





H.C.B-A2107 EXTRA LONG OFFSET BOX WRENCH KIT (8 PCS)

加長型梅花扳手組 (8 PCS)

Item	SPEC. (mm)	Length	Item	SPEC. (mm)	Length
A2107-1	8x10	235	A2107-5	14x17	370
A2107-2	10x12	295	A2107-6	16x18	405
A2107-3	12x14	330	A2107-7	17x19	405
A2107-4	13x15	370	A2107-8	22x24	435



H.C.B-B2107 EXTRA LONG OFFSET BOX WRENCH KIT (6 PCS) (10 x 12 ,12 x 14, 13 x 15, 16 x 18, 17 x 19, 22 x 24 mm)

加長平型梅花扳手組 (6PCS) (10 x 12, 12 x 14, 13 x 15, 16 x 18, 17 x 19, 22 x 24 mm)

- Special extra long design. Material is the chrome molybdenum.
- Easy to use in the confined space, such as pulley core screws and the water tank frame screws, etc.
- Contents : 10 X 12 ,12 x 14, 13 x 15, 16, x 18, 17 x 19, 22 x 24 mm



H.C.B-B1117 GEAR TYPE UNIVERSAL K/D RACK PAT. M 252610 USA PAT. 7093809

專利齒輪式多功能拆裝器

- Application: V6, V8, V10, V12 and general engines.
- Technical information:
  1. With two strong support frames, make it stable while rotating engine.
  2. By manual turning rotating wheel, you can adjust the distance between two frames. Save time and labor!
  3. It can be rotated to any angle by using universal joint, applicable to any kind of engines.
  4. Capacity: 500 KGS



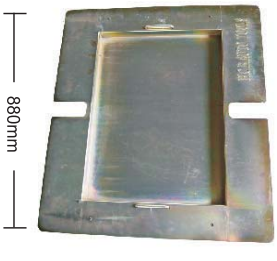


H.C.B-B1117-1

H.C.B-B1117-1 DRAIN PAN

廢油盤

- Height: 50 mm



H.C.B-A1117 GEAR TYPE UNIVERSAL K/D RACK PAT. M 252610 USA PAT. 7093809

專利齒輪式多功能拆裝器

- The gear type universal K/D rack is designed for engine maintenance only.
- The gear type universal K/D rack can be removed and be replaced with H.C.B A-1117-4 C-type holding base for transmission maintenance if necessary.
- The gear and engine can be pivoted from 360 degrees during operation. Whenever the gear turning around, the engine will be rotated passively at the same time.
- The K/D rack is time, money, and labor saver.
- The K/D rack can be folded for storage.

※ Special color and design are available on request.

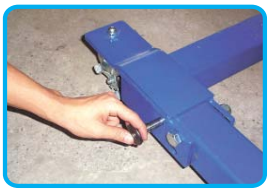


Capacity: 300KG

⚠ Caution:
Please kindly do not use any hammer or tools to knock the activated pin before you use. The accurate method of operation is to softly press the pin head and gently move it out




Easy to store




Hand wheel



H.C.B-A1117-1

MAGNETIC TRAY

長方形吸盤



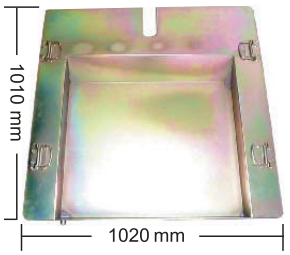


H.C.B-A1117-2

DRAIN PAN

廢油盤

- Length: 1020 mm,
  Width: 1010 mm,
  Height: 110 mm,
  Thickness: 2 mm



H.C.B-A1117-3 MAGNETIC LADDER TYPE T WRENCH FIXING BASE

T 桿階梯固定座





H.C.B-A1117-4 500 C-TYPE TRANSMISSION HOLDING BASE PAT. M 270936 USA PAT. 7093809

500 C 型變速箱固定座

- This tool is combines with H.C.B-A1117 or H.C.B-A1097 that are designed to turning 360° when repairing transmission. This tool can help extract or install any parts of transmission in different angles. It is really convenient and useful.
- Length : 500 mm



H.C.B-A1117-4-1 MITSUBISHI VIRAGE 1800 c.c. TRANSMISSION TOOL FITMENT

MITSUBISHI VIRAGE 1.8 變速箱工具配件

- This tool must be combined with H.C.B-A1117-4.





H.C.B-A1117-4-2 MITSUBISHI FREECA TRANSMISSION TOOL FITMENT

MITSUBISHI FREECA 變速箱工具配件

- This tool must be combined with H.C.B-A1117-4.



H.C.B-A1117-4-3 AUDI TRANSMISSION TOOL FITMENT

AUDI 變速箱工具配件

- This tool must be combined with H.C.B-A1117-4.
- Application: AUDI A3, A4, 1.8T TURBO, A6 1.8T





H.C.B-A1117-5 600 TRANSMISSION HOLDING BASE TW PAT. USA PAT. PENDING

600 ㄇ 型變速箱固定座

- This tool is combines with H.C.B-A1117 or H.C.B-A1097 that are designed to turning 360° when repair transmission. This tool can help extract or install any parts of transmission in different angles. It is really convenient and useful.
- Length : 600 mm



H.C.B-A1117-5-1 MITSUBISHI MG TRANSMISSION TOOL FITMENT

MITSUBISHI MG 變速箱工具配件

- This tool must be combined with H.C.B-A1117-5.



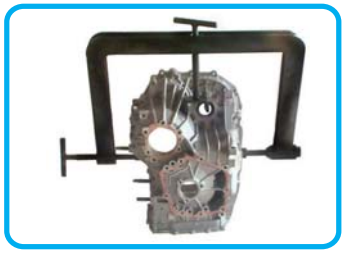


H.C.B-A1117-5-2 MITSUBISH 6-SPEED TRANSMISSION TOOL FITMENT

MITSUBISHI 6 速變速箱工具配件

- This tool must be combined with H.C.B-A1117-5.
- Application: MITSUBISHI GOBAL LANCER GLXi, GOBAL LANCER Exi, GOBAL LANCER SEi/ EXi, VIRAGE iO





H.C.B-A1117-6 VIRAGE TRANSMISSION TOOL

VIRAGE 變速箱拆裝工具



H.C.B-A1117-7 VW DSG 6/ 7 SPEED TRANSMISSION SUPPORT

VW DSG 6/ 7 速變速箱支撐架

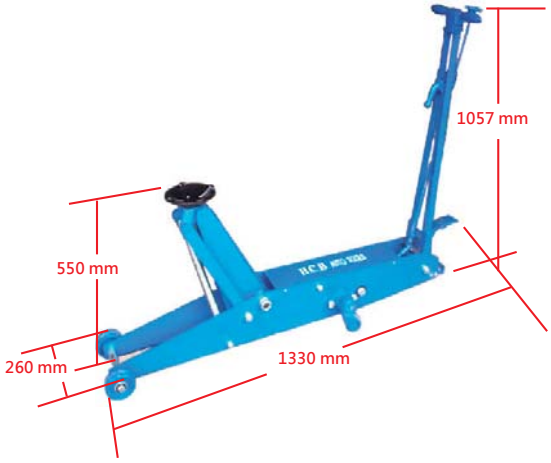




H.C.B-A2019 3 TONS FOUR WHEELS HYDRAULIC FLOOR JACK

3 噸油壓 4 輪千斤頂

1 / 69 / 74 / 4.9'



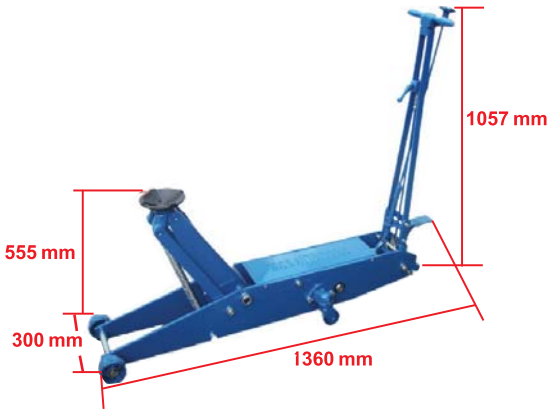
- Features :
  1. Ideally suitable for all automotive, agricultural and light truck repair facilities.
  2. Mobile “T” handle and two moblie foot pedals can speed up for loading.
  3. “T” handle can be locked in the position of the three specific angles to lower load and easy maneuvering.
  4. Extra long chassis can reach any position under the vehicle.
  5. Hydraulic power unit with dust seals to prevent oil contamination.
  6. Large and heavy-duty near swivel caster wheels to provide easy maneuvering and positioning of jack.
- Capacity: 3 tons

- 產品特色：
  1. 適用於所有的汽車、農機和輕型卡車的維修。
  2. 活動式的T型把手和兩個活動式踏板，可加速裝載。
  3. T型把手可以固定在三個特殊的角度，用來放低重心、方便移動。
  4. 加長的底座可以深入車底。
  5. 油壓系統加防塵油封，可預防油污。
  6. 大型耐重的旋轉輪輪，可防止傾倒和定位千斤頂。
- 載重：3噸

H.C.B-A2084 5 TONS FOUR WHEEL HYDRAULIC FLOOR JACK

5 噸 4 輪千斤頂

- Capacity: 5 tons



H.C.B-A2023 UNIVERSAL SOCKET TOOL KIT (12 PCS)

1/2” 中空全能套筒組 (12 PCS)

- 12 pcs socket tool for multi-function
  1 pcs Go-thru gearless ratcheting handle
  11 pcs sockets:
  1: 14 mm 6: 20 mm 11: 26 mm
  2: 15 mm 7: 21 mm 12: 22 mm x Dr. 1/2”
  3: 16 mm 8: 22 mm
  4: 17 mm 9: 23 mm
  5: 19 mm 10: 24 mm
- N.W.: 2.15 KGS

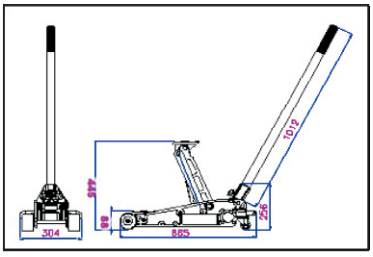


H.C.B-B2043 ALUMINIUM ALLOY FOUR WHEEL HYDRAULIC FLOOR JACK (FANCY TOOL) (2 TONS)

鋁合金 4 輪液壓千斤頂 (2 噸)

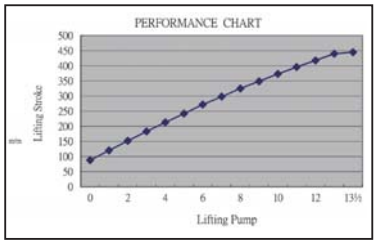
■ **Characteristic:**
Light weight- Only 19.5 KGS
High performance (Only 13 ½ pumps can reach 445 mm height)
Maximum capacity 2000 KGS.
Your best choice.











Stroke mm	88	120	152	183	213	242	272	298	325	349	373	396	418	440	445
Pump times	0	1	2	3	4	5	6	7	8	9	10	11	12	13	13½

Min Height	Max Height	Stroke	N.W.	G.W.	Lifting Pump	Lifting Capacity	CUFT
88 mm	445 mm	357 mm	19.5 KGS	21.5 KGS	13½ times	2000 KGS	2.2'

H.C.B-A2129 3 TONS JACK

3 噸千斤頂





JACK SIZE L*W*H	MIN HEIGHT	MAX HEIGHT	STROKE	HANDLE SIZE	LIFTING PUMP	LIFTING CAPACITY	N.W.
720*400*175	89 mm	518 mm	429 mm	1252 mm	11.5 STROKES	3 TON	47 kg

■ Before operating, study, understand and follow all setup, operating and maintenance instructions that accompanied this device. Hazards such as dropping, tipping or slipping of load can happen if instructions are not followed. Failure to avoid hazards could cause accidents resulting in serious or fatal personal injury and/or property damage.

■ Avoid hazards: ①Do not exceed rated capacity. ②Use only on a hard level surface. ③Support vehicle with appropriate means immediately after lifting. ④Lift only on areas of the vehicle as specified by the vehicle manufacturer. ⑤Be sure setup is stable. ⑥Do not move or dolly the vehicle while on the jack. ⑦Do not alter or modify this device. ⑧Do not use saddle adapters unless approved by HCB.

H.C.B-A2020 SCREW DRIVER TOOL KIT (78 PCS)

星型、E 型起子綜合組 (78 PCS)

- You may never have to buy star tools again.
- This kit contains the most popular and complete sizes of screw driver packed with storage blow case.
- Specification:
  1pcs 1/2” drive ratchet (quick release)
  1pcs 1/4” drive ratchet
  2 bit holders 1/4”×1/4” hex & 1/2”×10 mm hex
  1 telescopic magnet & needle
  10pcs 1/4” drive bit sockets T7, 8, 9, 10, 15, 20, 25, 27, 30 & T40
  10 tamper proof bits 25mm×1/4 hex T7, 8, 9, 10, 15, 20, 25, 27, 30, T40
  7pcs 1/4” drive E sockets E4, 5, 6, 7, 8, 10, 11
  5 star bits 30mm×10mm hex T40 45 50 55 60
  9 star bits 75mm×10mm hex T15 20 25 30 40 45 50 55 and T60
  7pcs 1/2” drive sockets E12, 14, 16, 18, 20, 22, 24
  9 star screwdrivers T8, 9, 10, 15, 20, 27, 30, 40
  12 keys: T8, 10, 15, 20, 25, 27, 30, 40, 45, 50, 55, 60
  4 star wrenches E6×8, E10×12, E14×18, E20×24
- N.W.: 4.7 KGS



H.C.B-A2021 SOCKET TOOL KIT (34 PCS)

星型中空、E 型綜合套筒組 (34 PCS)

- Contents:
  5 pcs 1/4” Star-E socket: E4, E5, E6, E7, E8
  4 pcs 3/8” Star-E socket: E10, E12, E14, E16
  2 pcs 1/2” Star-E socket: E18, E20
  2 pcs 1/2” Torx bit socket: T55, T60
  4 pcs 3/8” Torx bit socket: T40, T45, T47, T50
  1 pcs 1/2” TAMPER. Torx bit socket: T55
  3 pcs 3/8” TAMPER. Torx bit socket: T40, T45, T50
  7 pcs 1/4” Torx bit socket: T8, T10, T15, T20, T25, T27, T30
  6 purchase 1/4” Tamper. Torx bit socket: T10. T15, T20, T25, T27, T30
- N.W.: 1.5 KGS





H.C.B-A2022 18 PCS IMPACT HEXAGON & TX-STAR WRENCH KIT

6 角、星型凸套筒組 (18 PCS)

- Specification
  Hexgon: H5, H6, H7, H8, H10, H12, H14, H17
  TX-Star: T30, T40, T45, T50, T55, T60, T70
  Dr. 1/2 x 125 mm extension bar
  Dr. 1/2 x 250 mm sliding T-handle
  Dr. 1/2 ratchet handle
- Application: Most of cars
- N.W.: 3.3KG





H.C.B-A2330 SOCKETS AND BITS (25 PCS)

套筒與起子組 (25 PCS)

- Contents:
  ¼"D T-handle
  1 pcs extension bar
  8 x 1/4"D Sockets: 5 mm, 6 mm, 7 mm, 8 mm, 10 mm, 11 mm, 12 mm, 13 mm
  Plus 18 x 1/4" Hex shank bits: Ph Drive Ph1, Ph2, Ph3, Hex: 3/ 4/ 5/ 6 mm, flathead: 5.5 mm, star tamperproof T10/ T15/ T20/ T25/ T27/ T30



H.C.B-A2024 9 PCS BALL-END HEX. KEY KIT

9 PCS 球型 6 角扳手組

- Work in hard to reach areas, faster inserting and removing, and full depth engagement.
- Specification:
  1: 1.5 mm 6: 5 mm
  2: 2 mm 7: 6 mm
  3: 2.5 mm 8: 8 mm
  4: 3 mm 9: 10 mm
  5: 4 mm
- N.W.: 0.48 KGS



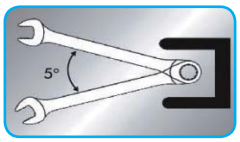
H.C.B-A2028 8 PCS MIRROR POLISHED COMBINATION WRENCH KIT (FINE-TOOTH, 72 TEETH)

8 PCS 開口止滑迴旋扳手組

- Allow to remove of 75% rounded of bolt & nut.
- Specification:
  1: 8 mm 5: 13 mm
  2: 10 mm 6: 14 mm
  3: 11 mm 7: 17 mm
  4: 12 mm 8: 19 mm









H.C.B-A2029 8 PCS PIN PUNCH KIT

8 PCS 平沖組

- The cylinder shank with ultra-fine tolerances is perfectly smooth to ensure a high degree to toughness.
- N.W.: 0.5 KGS



Item No.	Length
1	1.6 mm
2	2.3 mm
3	3.2 mm
4	4.0 mm
5	4.8 mm
6	5.5 mm
7	6.4 mm
8	8.0 mm

H.C.B-A2038 AUTOMOTIVE VACUUM TEST KIT

全配備真空吸力槍組

10 / 13 / 14.3 / 2.9'



- The use of a vacuum gauge is so often overlooked when determining mechanical condition and carrying out fault diagnosis on internal combustion engine.
- Monitoring actual manifold vacuum is invaluable when troubleshooting engine faults.
- This can only be done by using a good quality vacuum gauge and with this coupled to test vacuum pump; it allows static testing of all types of vacuum operated systems.

- Content:
  1. Vacuum pump
  2. Fluid container
  3. Transfer cap
  4. 500mm pvc vacuum hoses x 2 pcs
  5. 100mm pvc vacuum hose x 1pc
  6. 70mm container hose x 1 pc
  7. Assorted vacuum hose fitting x 12 pcs
  8. Brake bleeder futtings x 3 pcs
  9. Instruction manual x 1 pc
  10. Blow moulded case x 1 pc

H.C.B-B2038 AUTOMOTIVE VACUUM & PRESSURE TEST KIT

全配備正負壓槍

- Contain many kinds of joint to fit most kinds of vehicles.
- The body has a switch to control two kinds of pressure conditions.
- Include the parts of brake bleeder.
- Pressure range: positive pressure: 0~60 psi (1~4 inhg)
  Negative pressure: 0~-30 psi (0~-1inhg)



H.C.B-A2039 FENDER COVER (870 x 570 mm)

葉子板護套 (870 x 570 mm)

- Dimension: 870 x 570 mm
- Thickness: 1.2 mm



Heavy, long wearing vinyl protects the car.



H.C.B-A2051 DIODE FLEXIBLE LIGHT

二極體可彎燈







H.C.B-A2068 FENDER COVER (1050 mm x 650 mm)

葉子板護套 (1050 mm x 650 mm)

- Material : surface: non-woven materials,inside. sponge leather.
- Dimension : 1050 mm x 650 mm
- Thickness : 0.9 mm
- Freeze resistance : -15°C
- To keep vehicle away from grease and scratches.
- Wipe-clean leather-grained vinyl is grease resistant.
- Magnetic design helps the fender cover install and remove easily.
- Special color and design are available on request.





H.C.B-B2068 UNIVERSAL FENDER COVER (1500 mm x 860 mm)

葉子板護套 (1500 mm x 860 mm)

- Optimal protection for your customers' vehicles.
- Prevent from scratches, dents, oil and dirt.
- Save costs, time and nerves.
- Increase work quality – reduce refinishing works.
- Suitable for nearly all vehicle types.
- High-quality materials provide long service life.
- Dimensions: 1500 mm x 860 mm
- Special color and design are available on request.





H.C.B-C2068 UNIVERSAL FENDER COVER (1500 mm × 860 mm)

葉子板護套 (1500 mm × 860 mm)

- Optimal protection for your customers' vehicles.
- Protection from scratches, dents, oil and dirt.
- Saving costs, time and nerves.
- Increased work quality – reduction refinishing works.
- Suitable for nearly all vehicle types.
- High-quality materials and provide a long service life.
- Dimensions: 1500 mm x 860 mm
- Special color and design are available on request.



H.C.B-D2068 NEW UNIVERSAL FENDER COVER (1500 mm × 860 mm)

葉子板護套 (1500 mm × 860 mm)

- Optimal protection for your customers' vehicles.
- Protection from scratches, dents, oil and dirt.
- Saving costs, time and nerves.
- Increased work quality – reduction refinishing works.
- Suitable for nearly all vehicle types.
- High-quality materials and provide a long service life.
- Dimensions: 1500 mm x 580 mm
- Special color and design are available on request.
- Patent design.



H.C.B-A2056 FLEXIBLE LED LIGHT

LED 照明燈

- Push on/ off button.
- 300 mm full flex shaft.



H.C.B-A2061 HEIGHTENED MANUAL HYDRAULIC PRESS (15 TONS)

加高型手動油壓床 (15 噸)

- Application: Used for wide range of mechanical parts like reformation of shaft bearing, gear, pressed in or extruded.
- It is a very useful tool for vehicle or industrial mechanical parts maintenance.
- Feature: High precision hydraulic press for industry.
- It is designed with double oil-cycle system.
- Press head assembly is movable to right and left sides.
- Press head and worktable are adjustable up and down for pressure process.
- A 600kg/cm² precision pressure gauge is included.
- N.W.: 160KGS. G.W.: 190KGS

- 適用範圍：大範圍的機械加工。例如：培林、齒輪加工成型。
- 車輛、工業零件維修的好工具。
- 高精密度的油壓。
- 雙油壓循環系統。
- 壓頭可向左、右轉動。
- 壓頭和工作檯都可以調整高低。
- 配備有精密的油壓表。(600公斤/公分^2)
- 淨重：160公斤，毛重：190公斤







H.C.B-A2073 14 PCS HEXAGON & TX-STAR SOCKET BIT KIT

14 PCS 6 角 & 星型套筒組

- Dr. 1/2" x 55 mm length bit socket set.
- 7 pcs Tx-star: T30, T40, T45, T50, T55, T60, T70
  7 pcs Hexagon: 5, 6, 7, 8, 10, 12, 14 mm
  #SAE: 7 pcs Hexagon 3/16, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16



H.C.B-A2075 44 PCS PROFESSIONAL TX-STAR BIT & BITS KIT

44 PCS 專業星型起子組

- **Specification**
  9 pcs 30 mm length tamper. TX-STAR bit: T20, T25, T27, T30, T40, T45, T50, T55, T60
  9 pcs 75mm length TX-STAR bit: T20, T25, T27, T30, T40, T45, T50, T55, T60
  7 pcs Hexagon bit: 4, 5, 6, 7, 8, 10, 12 mm
  5 pcs spline bit: M5, M6, M8, M10, M12
  2 pcs slotted bit: 8, 10 mm
  3 pcs ppozidriv bit: PZ1, PZ2, PZ3
  4 pcs Phillips bit: PH1, PH2, PH3, PH4
  1 pcs 10mm HEX. Flexible ratchet handle
  1 pcs 75mm length 3/8" SQ. x 10mm HEX. Extension bar
  1 pcs 1/4" SQ. x 10mm HEX. Socket adapter
  1 pcs 3/8" SQ. x 10mm HEX. Bit adapter
  1 pcs 1/2" SQ. x 10mm HEX. Bit adapter



H.C.B-A2074 40 PCS PROFESSIONAL QUALITY MECHANICS BIT KIT

40 PCS 專業級機械套筒組



■ **Specification**

30 mm & 75 mm length bit
14 pcs Hexagon bit: 4, 5, 6, 7, 8, 10, 12 mm
14 pcs TX-STAR bit: T20, T25, T30, T40, T45, T50, T55
10 pcs spline bit: M5, M6, M8, M10, M12
1 pcs 1/2” SQ. Dr. x 10 mm bit adapter
1 pcs 3/8” SQ. Dr. x 10 mm bit adapter

H.C.B-B2074 60 PCS PROFESSIONAL QUALITY MECHANICS BIT KIT (Dr. 3/8" & 1/2")

60 PCS 專業級機械套筒組 (Dr. 3/8" & 1/2")



■ **Specification:**

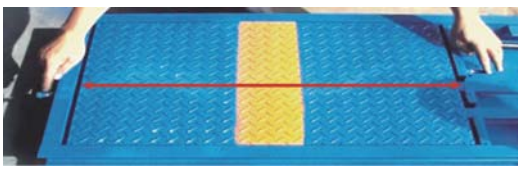
30 mm(L), 10 mm Hex. Drive Bits:
9 x Tx-Star: T20, T25, T27, T30, T40, T45, T50, T55, T60
5 x Spline: M5, M6, M8, M10, M12
9 x Hexagon: 4,5,6,7,8,10,12,14,17 mm
75 mm(L), 10 mm Hex. Drive Bits:
9 x Tx-Star: T20, T25, T27, T30, T40, T45, T50, T55, T60
7 x Spline: M5, M6, M8, M9, M10, M12, M14
1 x Tamper. Spline: M16
9 x Hexagon: 4, 5, 6, 7, 8, 9, 3/8(9.5), 10, 12 mm
5 x Ribe: M6, M7, M8, M10, M12
2 x Square: 8, 10 mm
2 x 10 mm Hex. Bit Adapter: 3/8” and 1/2” Sq. Drive
1 x 14 mm Hex. Bit Adapter: 1/2” Sq. Drive
1 x 10 mm Hex. x 14 mm Hex. Drive Buffer Adapter

H.C.B-A2059-1 SINGLE SIDE SLIP TESTER

單輪定位測滑試驗機

■ Convenient for small space.
■ To carry by hand.

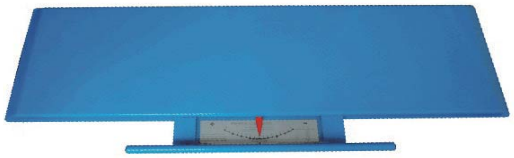




Adjustable to fit the both positions

H.C.B-C2059 SINGLE SIDE SLIP TESTER

單輪定位測滑試驗機



■ A portable measuring gauge plate for trucks with 1 tons wheel load.
■ Portable, ultra-flat design.
■ Accurate readings.
■ Scale with millimeter divisions.
■ Use on any viable level ground.
■ Low drive.
■ Fast and reliable testing wheel alignment.
■ Always operational.
■ Easy to do fast and reliable wheel alignment testing.

Wheel load max.	1 t
Length	950 mm
Width	385 mm
Depth	24 mm
Color	Blue
Weight	21 kg

H.C.B-A2059

SIDE SLIP TESTER

雙輪定位側滑試驗機



- Length: 2370 mm Width: 580 mm Height: 115mm
- N.W.:174 KGS



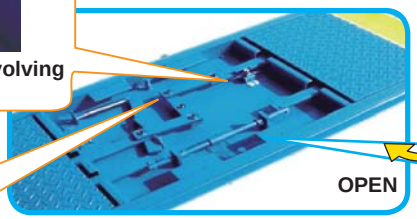
Rapid assessment of the wheel geometry by measuring the lateral deviation (side slip) of one wheel in comparison with the other wheel.

POWER SWITCH



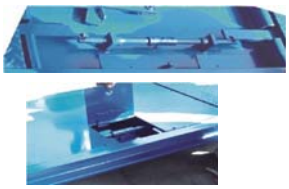
The sensor for revolving frequency

Adjustable to horizontal level



CLOSE

OPEN

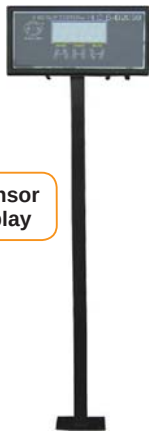


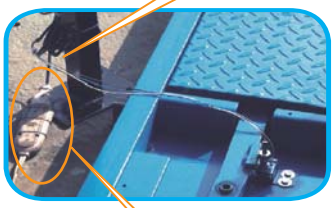
SWITCH ON / OFF

H.C.B-B2059

COMPLETE IC DESIGNED TOEIN & TOEOUT TESTING

數控式偏滑測試錶





Connect the sensor with digital display

Power resource

H.C.B-A2050

CAST STEEL SWIVEL-BASE VISE (6")

老虎鉗 (6")

H.C.B-A2050-1

CAST STEEL SWIVEL-BASE VISE (8")

老虎鉗 (8")

H.C.B-A2050-2

CAST STEEL SWIVEL-BASE VISE (10")

老虎鉗 (10")

H.C.B-B2050

CAST IRON VISE (6")

老虎鉗 (6")





- 360° swivel base.
- Material: Cast steel.
- 360° 旋轉底座
- 材質：鑄鐵
- Material: High quality cast iron.
- 材質：高級鑄鐵

H.C.B-A2062 3/8" IMPACT SOCKET KIT (VOLUTE)

渦型衝擊套筒

- Straight rod: diameter 8 mm

- Size:

Size	D1 (mm)	D2 (mm)	S (mm)	L (mm)
10			10	
11	14.5	17.5	11	32
12	17.5	19	12	32
13	22	20.4	13	32
14	22	21.5	14	32
15	22	22.5	15	32
16	22	24	16	32
17	25	25.8	17	32
19	27	27.8	19	34



H.C.B-B2062 TWIST SOCKET KIT (12 PCS)

螺旋式防脫套筒 (12 PCS)

- **Features:**
  1. This twist socket kit is specially designed for loosening a nut, which can not be done by a socket or wrench.
  2. This tool is only useful for a nut with positive threads.
  3. This tool can be used while a nut could not be loosened because of rust and deformation.
  4. This socket set is made of AISI4340 with HRC 52-55 degree hardness.
- **Instruction:**
  Use on the damaged screws & nuts. Special spiral design for easier removal of the damaged screws.
- **Size:**
  Dr. 3/8" 8, 10, 12, 13 mm (Length: 32 mm)
  Dr. 1/2" 14, 15, 16, 17, 19, 21 mm (Length: 34 mm)
  2 pcs pin punches 8 mm x 74 L: 12 mm x 80 L



H.C.B-C2062 TWIST SOCKET 3/4" 27, 30, 32, 33, 34, 36 mm + BAR

3/4" 外六角螺旋套筒 (7 PCS)

- Material:
  Socket: SCM440
  Tonny bar: S45C
- HRC:
  Socket: 45-48 degree
  Tonny bar: 38-43 degree
- Size:
  3/4" Dr-38L-27 mm-HEX
  3/4" Dr-38L-30 mm-HEX
  3/4" Dr-38L-32 mm-HEX
  3/4" Dr-38L-33 mm-HEX
  3/4" Dr-38L-34 mm-HEX
  3/4" Dr-38L-36 mm-HEX
  A Tonny bar-80 mm (Ø12 mm)



H.C.B-A2076 12 PCS DEEP STAR-E SOCKET KIT

12 PCS 長 E 型套筒組

- Specification:
  6 pcs Dr. 1/4" socket: E4, E5, E6, E7, E8, E10
  5 pcs Dr. 3/8" socket: E11, E12, E14, E16, E18
  1 pcs Dr. 1/4" x 3/8" adapter



H.C.B-A2078 7 PCS Dr. 1/2" TAMPER. TX-STAR BIT SOCKET KIT

7 PCS Dr. 1/2" 星型套筒組

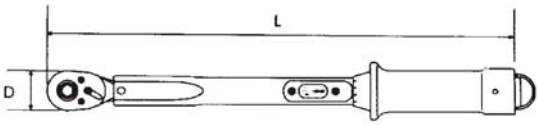
- Size: T30H, T40H, T45H, T50H, T55H, T60H, T70H
- Length: 100 mm



H.C.B-A2081 MULTIPLE WINDOW SCALE DIGITAL ADJUSTABLE TORQUE WRENCHES WITH LIGHT (Dr. 3/8")

3/8" 扭力扳手





Model No.	Square driver	Gear Teeth	Increments (FT-LB)	Minimum Maximum				D	L	Head Depth
				FT-LB	NM	FT-LB	NM			
HCB-A2081	3/8"	32	10	20	20	80	110	36.5	403	18.5

H.C.B-B2081 Dr. 3/8" DIGITAL TORQUE WRENCH W/ ANGLE HEAD (LENGTH: 400 mm)

3/8" 仰角式數位扭力扳手 (長度 : 400 mm)



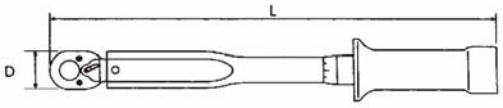


Model No.	Driver Square	Teeth	Nm	Lbf-ft	Weight	Length
B2081	3/8"	48T	10-135	7.4-99.6	1.05kgs	40 mm

H.C.B-A2083 RIGHT HAND CLICK TYPE TORQUE WRENCH (Dr. 1/4")

1/4" 扭力扳手



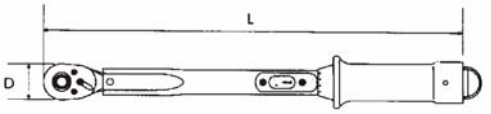


Model No.	Square driver	Gear Teeth	Increments (FT-LB)	Minimum Maximum		D	L	Head Depth
				FT-LB	FT-LB			
HCB-A2083	1/4"	24	5	20in-1b	200in-1b	26.0	284	11.2

H.C.B-A2082 MULTIPLE WINDOW SCALE DIGITAL ADJUSTABLE TORQUE WRENCHES WITH LIGHT (Dr. 1/2")

1/2" 扭力扳手



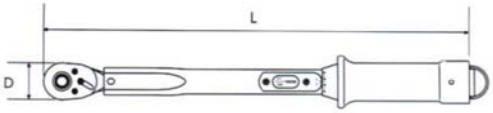


Model No.	Square driver	Gear Teeth	Increments (FT-LB)	Minimum Maximum				D	L	Head Depth
				FT-LB	NM	FT-LB	NM			
HCB-A2082	1/2"	32	10	50	50	250	350	36.5	625	18.5

H.C.B-B2082 MULTIPLE WINDOW SCALE DIGITAL ADJUSTABLE TORQUE WRENCHES WITH LIGHT (Dr. 1/2")

1/2" 扭力扳手





Model No.	Square driver	Gear Teeth	Increments (FT-LB)	Minimum Maximum				D	L	Head Depth
				FT-LB	NM	FT-LB	NM			
HCB-B2082	1/2"	32	10	20	20	80	110	36.5	403	18.5

H.C.B-C2082 Dr. 1/2" DIGITAL TORQUE WRENCH W/ ANGLE HEAD (LENGTH: 570 mm)

1/2" 仰角式數位扭力扳手 (長度 : 570 mm)



Model No.	Driver Square	Teeth	Nm	Lbf-ft	Weight	Length
C2082	1/2"	48T	20-200	14.8-147	1.6kgs	570 mm

H.C.B-A2348

NEW

Dr. 3/4" TORQUE WRENCH, NO-PUSH, 140~760N.M/ 100~560 FT-LB, MAT FINISHED

Dr. 3/4" 鋁製扭力扳手





Features:

- Industrial application with durability.
- Single drive design for applying to clockwise direction; both push & no-push are available for selection.
- Lightweight yet robust; housing is made of aluminium alloy.
- Multi-lever mechanism brings length independence and accurate torque.
- Loud click sound and strong impulse when torque value reached.
- Chrome-plating finsh strengthens the material hardness & anti-collision.
- Quick pull out & easy adjustment with unique crank.
- Tolerance of torque ±3%.
- Quality meets DIN ISO 678 & ASME B107.300-2010

H.C.B-A2086

160 PCS COMPREHENSIVE TOOL KIT

160 PCS 專業級套筒組

2 / 23.5 / 24.5 / 1.42'



- **Specification:**

8-3/8" socket:10,13,14,15,16,17,18,19 mm
6-3/8" deep socket:10,11,12,13,14,15 mm
3-3/8" spark plug: 16,18,21 mm
8-3/8" star socket:8,10,11,12,14,16,18,20 mm
1-coupler 3/8" x 5/16"
1-3/8" ratchet handle
1-tm head 3/8"f x 1/2"m
1-adapter 3/8"f x 1/4"m
2-3/8" extension bar 3' & 10"
1-3/8" universal joint
1-3/8" bit adapter
10-1/2" socket:17,19,20,21,22,24,27,30,32,34mm
4-1/2" power socket:17,19,21,23mm
3-1/2" deep socket:17,19,22mm
1-coupler 1/2" x 5/16"
1-1/2" ratchet handle
2-1/2" extension bar 5" & 10"
1-tm head 1/2"f x 3/8"m
1-adapter 1/2"f x 3/8"m
1-1/2" universal joint
34-5/16" bit
3-gear wrench: 8x10, 13x15, 17x19 mm
12-combination wrench:
8,10,11,12,13,14,15,16,17,18,19,22 mm
11-hexkey:1.5, 2, 2.5, 3, 4, 5, 6, 7, 8, 10 mm
2 set/23.5 kgs/24.5 kgs/1.42'

13-1/4" socket:
3.5, 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13 mm
5-1/4" deep socket:5.5,6,7,8,9 mm
1-1/4" ratchet handle
1-1/4" spanner handle
1-1/4" bit adapter
2-1/4" extension bar 2" & 4"
1-1/4" sliding t-bar
1-1/4" universal joint
18-1/4" bit socket

H.C.B-A2103 Dr. 1/2" MULTI-SPLINE BIT SOCKET KIT (26 PCS)

1/2″ 12 角星型綜合套筒組 (26 PCS)

- Material: Bit-S.2 steel; Socket-Cr-Van steel
- 8 pcs Length 55 mm: M5, M6, M8, M9, M10, M12, M14, M16
  7 pcs Length 100 mm: M5, M6, M8, M9, M10, M12, M14
  7 pcs Length 140 mm: M5, M6, M8, M9, M10, M12, M14
  4 pcs Length 200 mm: M8, M10, M12, M14





H.C.B-A2104 Dr. 1/2" HEXAGON BIT SOCKET KIT (30 PCS)

1/2″ 6 角綜合套筒組 (30 PCS)

- Material: Bit-S.2 steel; Socket-Cr-Van steel
- 9 pcs Length 55 mm: 5,6,7,8,10,12,14,17,19 mm
  8 pcs Length 100 mm: 5,6,7,8,10,11,12,13 mm
  7 pcs Length 140 mm: 5,6,7,8,11,12,14 mm
  6 pcs Length 200 mm: 5,6,7,8,10,12 mm





H.C.B-A2105 Dr. 1/2" TX-STAR BIT SOCKET KIT (32 PCS)

1/2″ 6 角星型綜合套筒組 (32 PCS)

- Material: Bit-S.2 steel; Socket-Cr-Van steel
- 10 pcs Length 55 mm: T20,T25,T27,T30,T40,T45, T50,T55,T60,T70
  10 pcs Length 100 mm: T20,T25,T27,T30,T40,T45, T50,T55,T60,T70
  6 pcs Length 140 mm: T40,T45,T50,T55,T60,T70
  6 pcs Length 200 mm: T40,T45,T50,T55,T60,T70





H.C.B-C2105 NEW Dr. 3/8" TORX-STAR SOCKET HEAD BIT KIT (10 PCS)

Dr. 3/8" 六角星型套筒起子組 (10 PCS)

- Size: T10/T15/T20/T25/T27/T30/T40/T45/T50/T55
- All length: 200 mm



H.C.B-A2106 Dr. 1/2" RIBE BIT SOCKET KIT (32 PCS)

1/2" 6 角綜合套筒組 (32 PCS)





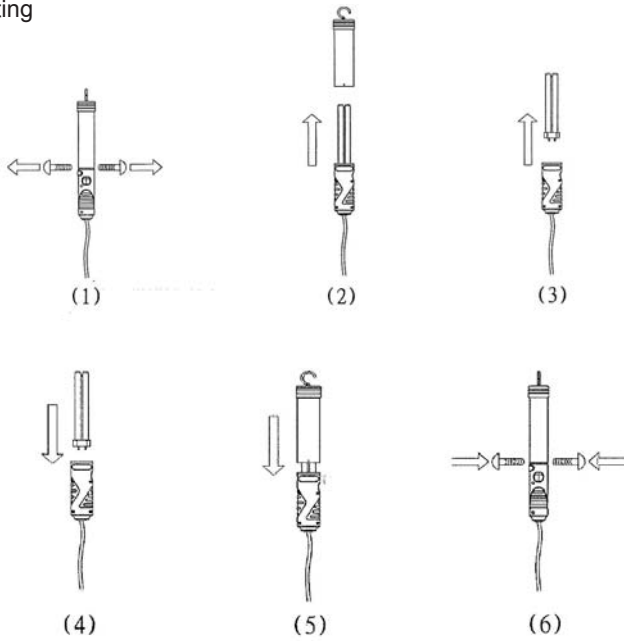
- Material: Bit-S.2 steel; Socket-Cr-Van steel
- 9 pcs Length 55 mm:
  M5, M6, M7, M8, M9, M10, M12, M13, M14
  9 pcs Length 100 mm:
  M5, M6, M7, M8, M9, M10, M12, M13, M14
  7 pcs Length 140 mm: 8, M9, M10, M12, M13, M14
  7 pcs Length 200 mm: 8, M9, M10, M12, M13, M14
- For FIAT cylinder head bolts :
  Ribe M6 - M7 - M8 (55 mm long)
  Ribe M8 - M10 - M12 - M13 - M14 (140 mm long)
  Ribe M6 - M8 - M10 (200 mm long)
- For VW and Audi cylinder head bolts :
  Ribe M10 - M12 (100 mm long)
  Ribe M9 - M10 (140 mm long)
  Ribe M8 - M9 - M10 (200 mm long)
  M12 x 140 mm for New Beetle, FORD, GM, MERCEDES-BENZ

H.C.B-C2091 NEW 110V WORK LIGHT (POWER SWITCH + 8 METER WIRE)

110V 工作燈 (附開關 +8 米長線)



- Specification: 18W AC/ 30 cm/ 800 cm
- Features:
  1. High impact resistance.
  2. Designed to save the energy.
  3. 12,000-hour life span
  4. With high efficient lamp for better energy consumption.
  5. Automatic shut-off function prevent risks of overheating and fire.
- Changing the light tube:
  1. Remove the 2 bolts on both side of the handle.
  2. Pull out the tube cover from the handle.
  3. Pull out the old light tube.
  4. Insert a new light tube.
  5. Reinstall the cover to the handle.
  6. Tighten the 2 bolts on the both side of the handle



H.C.B-A2092 12V WORK LIGHT

12V 工作燈



H.C.B-D2111 UNIVERSAL ADJUSTABLE FUEL TANK LID REMOVER / INSTALLER

可調式汽油箱蓋拆裝器

- Jaw adjustable rang: 122~199 mm, suitable for different fuel tank lid.
- Special jaws design to remove/ install the tank closely.
- Used with Dr. 3/8" wrench.



H.C.B-B2111 UNIVERSAL ADJUSTABLE FUEL TANK LID REMOVER / INSTALLER (IMPROVEMENT)

可調式汽油箱蓋拆裝器

- Jaw adjustable rang: 122~199 mm, suitable for different fuel tank lid.
- Special jaws design to remove/ install the tank closely.
- Used with Dr. 3/8" wrench.

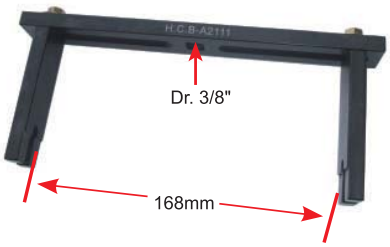




H.C.B-A2111 UNIVERSAL ADJUSTABLE FUEL TANK LID REMOVER / INSTALLER

可調式汽油箱蓋拆裝器

- The fix bars are adjustable. It can be applied to all different sizes of fuel lid from 31 mm to 168 mm.
- The spline dimension is 6.2 mm. It is applicable to all different sizes of fuel lid convex from 5.6 mm to 6.2 mm.
- Application: all vehicle with salient fuel tank lid.
- Application: BENZ, BMW, CHRYSLER, European cars ... etc.









H.C.B-A2144 LIFT SUPPORT FIXING CLAMP

升降桿固定器

- Use to fix the engine compartment, luggage area, and back door lift support.
- To prevent the lift from slipping and damaged.
- Place the tool on lift rod next to cylinder body. Tighten with knob until it is secure on lift rod when finished.





H.C.B-A2152 15 PCS CRAW FOOT WRENCH KIT

15 PCS 開口扳手

- Size: 8 mm, 9 mm, 10 mm, 11 mm, 12 mm, 13 mm, 14 mm, 15 mm, 16 mm, 17 mm, 18 mm, 19 mm, 21 mm, 22 mm, 24 mm.

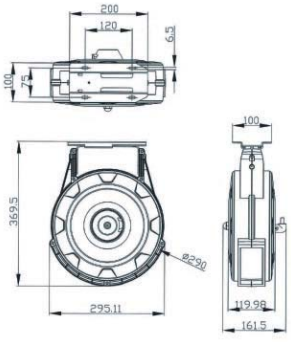


H.C.B-A2128 AIR HOSE REEL (10 METERS)

捲式風管 (10 米)

4 / 21 / 25 / 4.27'





- PU air hose is up to 300 psi (20 bar).
- ABS resin case, against impact.
- Easy installation on the wall or the ceiling.
- High impact and corrosion resistant.
- PVC water hose can bear up to 150 psi (10 bar).
- Suitable for commercial workspaces, industrial workspaces, automotive garages, and machine shops.
- Free rotation within 180°, and can be installed at 45°, 90°, 135° fixed angle.
- Metal spray gun, heat and cold resistant.

- 規格：
  PU風管可承受300 psi (20 bar)
  ABS外殼可防止撞擊
  防撞 / 防鏽基座
  組裝容易(只需螺絲起子即可組裝)
  適用於商業、工業工作坊、維修廠和機械店
  180° 轉動的捲軸，可提供廣大工作範圍。
  也可以用45°、90° 和135° 角固定

Model	Name	Specifications	Max pressure
H.C.B-A2128	Air hose reel (10 meter)	Φ8 X Φ12 X 10M Φ5/16" XΦ15/32 X33FT	300 psi

H.C.B-B2128

CORD REEL

捲式三插座

4 / 21 / 25 / 4.27'



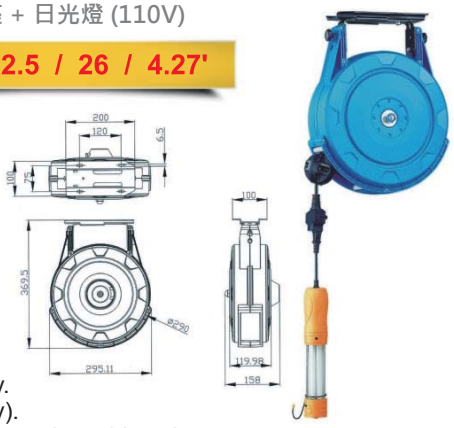
- **Specification:**
  Plug can reach nearest outlet 3.3 FT.
  ABS resin material against impact.
  High impact/ corrosion resistant housing.
  JIS (Japanese Industrial Standard) standard copper material.
  Easy to install, lead wire with plug cap, plug cap, plugs into nearest receptacle.
  Three outlets for use by three electric tools/ appliances simultaneously.
  Easy installation-(Reel mounts only requires screw driver for assembly).
  Ideal for use in commercial/ industrial workspaces, automotive garages and machine shops.
  Reel swivels 180° to cover a wide work area or can be installed at 45°, 90°, 135° fixed angle.

H.C.B-C2128

CORD REEL+110V WORK LIGHT

捲式三插座 + 日光燈 (110V)

4 / 22.5 / 26 / 4.27'



- 規格：
  風管可拉長至接近3.3呎
  ABS外殼可防止撞擊
  防撞 / 防鏽基座
  符合JIS規格的銅材製造
  電線和插座蓋安裝容易
  三個插座，可供應三項電器使用
  組裝容易(只需螺絲起子即可組裝)
  適用於商業、工業工作坊、維修廠和機械店
  180° 轉動的捲軸，可提供廣大工作範圍。也可以用45°、90° 和135° 角固定

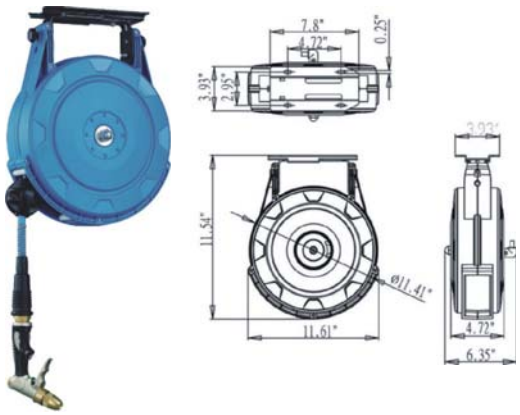
Model	Name	Specifications	Max Voltage	AMP
H.C.B-B2128	Cord reel	2.0 mm² X 3C X 10m 14AWG X 3C X33FT	100~120V	12A
H.C.B-C2128	Cord Reel+110V work light	2.0 mm² X 3C X 10m 14AWG X 3C X33FT	100~120V	12A

H.C.B-D2128

WATER HOSE REEL (8 METERS)

水管捲揚器 (8 米)

4 / 22.8 / 26.3 / 4.27'



- ABS resin case, against impact.
- Easy installation on the wall or the ceiling.
- High impact and corrosion resistant.
- PVC water hose can bear up to 150 psi (10 bar).
- Suitable for commercial workspaces, industrial workspaces, automotive garages, and machine shops.
- Free rotation within 180°,and can be installed at 45°, 90°, 135° fixed angle.
- Metal spray gun, heat and cold resistant.
- 規格：
  ABS外殼可防止撞擊
  易於安裝於牆上或屋頂上
  防撞 / 防鏽基座
  PVC水管可耐受150 psi (10 bar)
  適用於商業、工業工作坊、維修廠和機械店
  180° 轉動的捲軸，可提供廣大工作範圍。
  也可以用45°、90° 和135° 角固定
  金屬噴槍，耐熱又耐寒

Model	Name	Specifications	Max Pressure
H.C.B-D2128	Water Hose Reel	ø 7.5 mm ×ø 13 mm ×ø 8 M ø 19/64" ×ø 33/64" ×ø 26 ft	150 psi

H.C.B-B2138 WORKING TABLE (CABINET)

美式工作桌 (加壁櫃)

- W 1525 x D 700 x H 1520
- 12 mm, block fiberboard.
- Tolerate the hammer beating without destroying the surface and the structure.
- Take round angle for preventing to be wounded.
- The length is suitable to hang on and take out.



H.C.B-B2138-1 FIXED HOOK

壁櫃掛勾

ITEM NO.	SIZE(INCH)
B2138-1-A	1"
B2138-1-B	2"
B2138-1-C	4"
B2138-1-D	8"

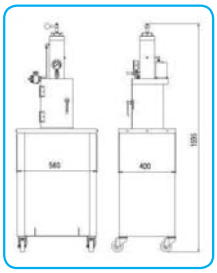


H.C.B-A2140 OIL FILTER CRUSHER

機油芯壓平機

1 / 88.5 / 92.5 / 9.47'





- **Features:**

1.This model is equipped with a cylinder powered by air/ hydraulic pump to crush oil filter and paint cans.
2.This unit can handle filters up to 9” long and 5” in diameter.
3.Crushing capacity: 20 tons.
4.Air pressure: 90 – 120 psi.
5.This model removes 85% of the residual oil from a predrained filters and crush filters to 1/6 of the original size, and the pain can to 1/10 original size.
6.Security switch is equipped to prevent pump from operating once the door opened.
7.High stand is designed for oil drainage with a drum placed underneath it.
8.Crushing time base on 10 CFM at 120 psi is 30 seconds.
9.This is an essential tool for environmental protection.

H.C.B-A2142 BATTERY ANALYZER

電瓶電量診斷儀





■ **Notice**

1.This machine is for 12V vehicle battery only.
2.Don't store the machine in high temperature or humidity place so as to prevent the machine from damage.
3.The working voltage range is 9V~15V DC, don't operate on a series battery (24V).
4.Operate after turn on the headlight 3~5 minutes to clean the surface voltage when the battery is full recharged.

■注意事項：

1.本產品爲車輛12伏特電瓶專用之檢測工具。
2.請勿將本產品存放或使用於陽光會直接照射到之場所，或暴露於高溫、高濕中，否則可能會導致產品變形或損壞。本產品之工作電壓範圍爲DC 9V~15V，請勿在串聯2顆電瓶(24V)的電壓下測試。
3.電瓶於剛充滿電後的狀態會有表面電壓的現象，可開啓頭燈3~5分鐘將表面電壓清除，建議再等待約5分鐘後再行測試。

Battery Model		Cold Cranking Amp (CCA)		
JIS(New)	JIS(Old)		MF	CMF
26A19	12N24-4	200	220	264
32C24	N40	240	325	400
34B19	NS40ZA	270	325	400
36B20	NS40Z	275	300	360
38B20	NX60-N24	330	340	410
46B24	NS60	325	360	420
48D26	N50	280	360	420
50D20		310	380	480
55D23		355	480	500
55B24	NX100-S6	435	420	500
55D26	N50Z	350	440	525
65D23		420	540	580
65D26	NS70	415	520	625
70D23	35-60	490	540	580
75D23		500	520	580
75D31	N70Z	450	540	735
80D26	NX110-5	580	580	630
95E41	N100	515	640	770
105E41	N100Z	580	720	880
115E41	NS120	650	800	960
115F51	N120	650	800	960
145G51	N150	780	900	1100
190H52	N200	925	1100	1300

JIS Battery Model Convert Chart

1.Please refer to the CCA values marked on the battery.
2.This table shows reference value of common JIS battery specification.
3.See the manual for details.
4.For testing single 12V battery only.
5.CMF: Closed Maintenance Free MF: Maintenance Free

H.C.B-A2164 UNIVERSAL BATTERY TESTER

多功能電瓶測試器



- This machine is for 12V vehicle battery only.
- Don't store the machine in high temp or humidity place. It'll damage the machine.
- The working voltage range is 9V~15V DC, don't operate on a series battery (24V).
- Operate after turn on the headlight 3~5 minutes to clean the surface voltage when the battery was just full recharged.
- Please refer to the CCA values marked on batteryMf: Maintenance free.
- This table shows reference value of common JIS battery specificationCMF: Closed maintenance free.
- For testing single 12V battery only.
- When testing battery right after engine off, analyzer will alarm.
- Please turn on the headlight for 2 minutes and follow the instructions being shown on LCD.

H.C.B-A2145 94 PCS (Dr. 1/4” & 1/2”) TOOL KIT

94 PCS (Dr. 1/4" & 1/2") 套筒組



- **Contents:**

13-1/4” Socket: 4-4.5-5-5.5-6-7-8-9-10-11-12-13-14 mm
18-1/2” Socket: 10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-27-30-32 mm
5-1/2” Deep Socket: 14-15-17-19 mm
8-1/4” Deep Socket: 6-7-8-9-10-11-12-13 mm
1-1/2” Ratchet handle
1-1/4” Ratchet handle
2-1/4” Extension Bar 50 & 100 mm
2-1/2” Extension Bar 125 & 250 mm
1-1/4” Sliding T handle
1-1/2” Universal joint
2-1/2” Spark Plug Socket: 16 & 21 mm
1-1/4” Spanner handle
1-1/4” Universal joint
1-T-M head
1-Coupler
1-1/4” Flexible Extension Bar 150 mm
17-1/4” Bit-Sockets: (-) 4/5.5/7, (+)#1/2, (*)#1/2,(H)3/4/5/6, (T)8/10/15/20/25/30
15-Bits: (-)8-10-12, (+)#3-4, (*)3-4, (H)8-10-12-14, (T)40-45-50-55

H.C.B-A2146 PNEUMATIC GREASE PUMP (20 L)

氣動黃油機 (20 升)

- Pneumatic grease pump uses air as power to suck grease into lubrication points. It is suitable for using with machines, automobiles and vessels… ect. It is a very useful tool for lubrication and maintenance.

分離式幫浦，取用壓縮空氣驅動抽取流質液體，幫浦為兩個獨立循環系統，空氣水份不致接觸油質，適用於各種機械、車輛、飛機、輪船等，為保養潤滑時強勁注入黃油的利器。



Model 型號	Capacity 容量	Air Input Pressure 容氣輸入壓力	Pressure Ratio 壓力比	Grease Output Pressure 黃油輸出壓力	Deliver Rate 輸出量	Hose Length 油管長度	N.W. 淨重	G.W. 毛重	CUFT 材積
H.C.B-A2146	20L	4~9Kg/cm^2	45:1	180~405Kg/cm^2	30cc/sec	10 ft	20.9Kgs	23.4Kgs	6.2'

H.C.B-A2151 3/8" SPARK PLUG SOCKET KIT

3/8" 火星塞套筒組

- 9016 is 16 mm hexagon socket, used on spark plug.
- 9014, 25014 are 14 mm double-hexagon socket, used for spark plug on CITROEN C5 HPI, PEUGEOT 406 HP1 and RENAULT CLIO 1.2 16V, TWINGO 1.2 16V BMW X5



Item No.	Size ◯	Drive ▢	L(mm)	Wt. (g)
A2151-9014	14 mm	3/8"	90	110
A2151-25014	14 mm	3/8"	250	266
A2151-25016	16mm	3/8"	250	370
Item No.	**Size ◯**	**Drive ▢**	**L(mm)**	**Wt. (g)**
A2151-9016	16mm	3/8"	90	170



H.C.B-A2162 38 PCS SOCKET KIT

38 PCS 套筒組

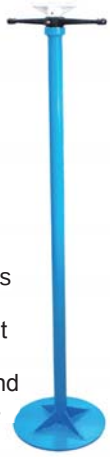


Sort No.	Description	Specification	Q'ty
1	Extention Bar	3/8" x 10"	1 pc
		3/8" x 6"	1 pc
		3/8" x 3"	1 pc
		3/8" x 1¾"	1 pc
2	3/8" DR. 12PT. Socket	8 mm	1 pc
		10 mm	1 pc
		12 mm	1 pc
		13 mm	1 pc
		14 mm	1 pc
		15 mm	1 pc
		16 mm	1 pc
		17 mm	1 pc
		18 mm	1 pc
		19 mm	1 pc
		22 mm	1 pc
3	3/8" DR. E Socket	6 mm	1 pc
		8 mm	1 pc
		10 mm	1 pc
		12 mm	1 pc
		14 mm	1 pc
4	3/8" Universal Joint		1 pc
5	3/8" Hex (L=50mm)	5 mm	1 pc
		6 mm	1 pc
		7 mm	1 pc
		8 mm	1 pc
6	3/8" Torex (L=50mm)	T20	1 pc
		T25	1 pc
		T27	1 pc
		T30	1 pc
		T40	1 pc
		T45	1 pc
		T50	1 pc
7	3/8" Sliding T Bar		1 pc
8	3/8" Ratchet Handle	72T	1 pc
9	3/8" Deep Socket Slim Nose	10 mm	1 pc
		13 mm	1 pc
		17 mm	1 pc
10	3/8" Magnetic Spark Plug Socket	16 mm	1 pc
Tool Box (Size: 320 x 150 mm)			

H.C.B-B2153

UNDER HOIST STAND

圓柱型支撐架



- **Description**
  1. Stroke: 715 mm
  2. Capacity: 3/4 Ton
  3. Bolt: 1-1/4”
  4. Base size: 130 mm
  5. Min. Height: 1360 mm
  6. Max. Height: 2075 mm
- **Features:**
  1. Light-weight, slim design makes handling easy in tight working spaces and storage.
  2. Acme screw allows for precise height adjustment.
  3. Self locking acme threaded screw and bearing mounted spin handle makes adjusting the height under a load much easier
  4. Lightweight design provides easy handling and maneuverability

H.C.B-A2153

UNDER HOIST STAND (PEDAL)

圓柱型支撐架 (腳踏型)

- Capacity: 3/4 ton.
- Height range: 1400 – 2065 mm.
- Base size : Φ 305 mm.
- Controlled by foot.



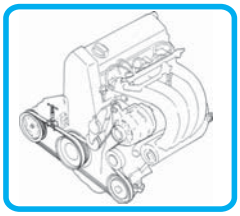
H.C.B-A2163 UNIVERSAL ENGINE BELT TENSION TESTER

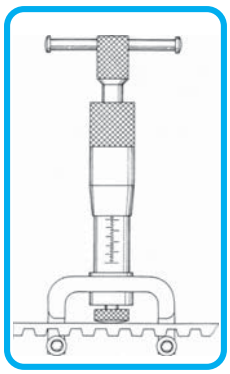
萬用引擎皮帶張力測試器

- This tool can be used for testing the tension on the engine belt of cars.
- Simply to check the belt for proper tension.
- Application: all common types of engine belt. Including timing、ribbed、tooth and V-belt.









H.C.B-A2167 STAR-E SOCKET KIT (5 PCS) (Dr. 1/2", E10/E12/E14/E16/E18)

E 型套筒組 (5 PCS) (Dr. 1/2", E10/E12/E14/E16/E18)

12 / 19 / 19.5 / 0.55'

- Dr. 1/2”, 140 mm Length
- E10, E12, E14, E16, E18.





H.C.B-A1296 3 PCS BENT WRENCH

3 PCS 單頭彎柄梅花扳手

- Size: 12 mm, 13 mm, 14 mm.
- Length: 150 mm.
- Convenient in tiny space (ex: Chassis, Door handle…)



H.C.B-A1298 FLEX SWIVEL GEARTECH WRENCH(12 PCS)

正反轉搖頭棘輪扳手 (12 PCS)

- Flex Head Geartech, Combination Wrench
- 180° flex head design
- Size: 8 mm, 9 mm, 10 mm, 11 mm, 12 mm, 13 mm, 14 mm, 15 mm, 16 mm, 17 mm, 18 mm, 19 mm



H.C.B-A2165
HYDRAULIC BEARING PULLER (8 TONS)

油壓式培林拔輪器 (8 噸)

H.C.B-B2165
HYDRAULIC BEARING PULLER (8 TONS)

油壓式培林拔輪器 (8 噸)

H.C.B-C2165
HYDRAULIC BEARING PULLER (12 TONS)

油壓式培林拔輪器 (12 噸)

H.C.B-D2165
HYDRAULIC BEARING PULLERS (4 TONS)

油壓式培林拔卸器 (4 噸)



H.C.B-A2165
H.C.B-D2165



H.C.B-B2165



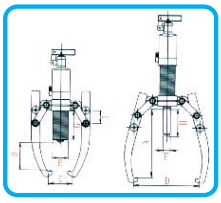
H.C.B-C2165

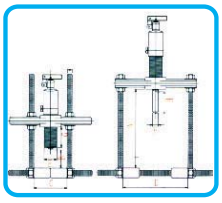


H.C.B-E2165

Item No.	CAPACITY	Reach(mm)		Spread(mm)		Stroke(mm)	Pump Tip(mm)			Jaw Tip(mm)				Weight (Kg)
		A	B	C	D	H	E	F	G	A	B	C	I	
H.C.B-A2165	8 TONS	270	–	95	220	85	50	25	122	–	–	–	–	14.3
H.C.B-B2165	8 TONS	229	57	100	350	85	50	25	122	11	10	25	51	8.2
H.C.B-C2165	12 TONS	381	–	120	290	85	60	28	118	–	–	–	–	18.0
H.C.B-D2165	4 TONS	250		55	110	60	42	22	84					7.6
H.C.B-E2165	12 TONS		270		375	85	60	28	118	14	10	29		10.9

- Four stages of foldable & removable handle saves the handle force during operation.
- 360° rotary socket.
- Self-contained hydraulic pump and puller body with integral safety valve.
- Heat treated & chrome plated hydraulic cylinder rod provides linear force.
- Easily release valve.
- Spring loaded live centering nut for easy job (removable).
- 2/3 jaws combination puller cross head with manganous-phosphate plated for rust proof and durability.
- Heat treated forged alloy steel cross bolts & jaws with manganous-phosphate plated for rust proof and long life service.





HYDRAULIC BEARING PULLER
油壓式培林拔輪器

- 四段式的折疊、可移除的手把，讓操作更省力。
- 360° 旋轉式套筒。
- 包含一體成型的油壓組和附有安全閥門的拔取器。
- 熱處理鍍鉻油壓桿，提供更強的拔取力。
- 方便操作的閥門。
- 可更換式彈簧支撐中心螺帽，方便操作。
- 鍍磷酸錳的拔取爪，可防塵、更耐用。
- 熱處理鍍磷酸錳螺絲，可防塵、更耐用。

H.C.B-E2165
HYDRAULIC BEARING PULLER (12 TONS)

油壓式培林拔輪器 (12 噸)

H.C.B-A2141 ELECTRIC CIRCUIT TESTER

供電型驗電筆

- Power up components.
- Prior to fitting including:
  -Cooling fan motors
  -Fuel pumps
  -Window & sunroof motors
  -Wiper motors
  -Fuel Pumps
  -Relays & Lamps
- Test continuity in:
  -Switches
  -Relays
  -Diodes & fuses
  -Wiring harnesses



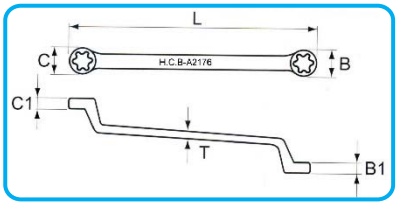
- Polarity test cables and sockets.
- Find short circuits and bad earths fast.
- Powered by vehicles own 6-24 Volt DC power supply – supplied with 4.5 mt of cable.
- Fitted with sensitive trip device to prevent circuit damage.
- Computer safe.

H.C.B-A2176 4 PCS DOUBLE WRENCH (E TYPE)

4 PCS 扳手 (E 型)



H.C.B-A2176-4
H.C.B-A2176-3
H.C.B-A2176-2
H.C.B-A2176-1



- Material: Chorme vanadium, mat finished.

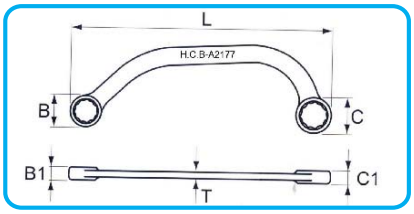
Size	L(mm)	Item No	C(mm)	B(mm)	C1(mm)	B1(mm)	T(mm)	WT(g)
6x8	168	H.C.B-A2176-1	12.0	10.0	6.4	6.0	4.2	50
10x12	205	H.C.B-A2176-2	17.0	14.5	7.5	7.0	4.8	85
14x18	245	H.C.B-A2176-3	22.0	18.0	9.0	8.2	5.5	145
20x24	265	H.C.B-A2176-4	29.5	25.5	12.0	11.0	6.5	240

H.C.B-A2177 5 PCS HALF-MOON RING WRENCH

5 PCS 扳手 (半月型)



H.C.B-A2177-5
H.C.B-A2177-4
H.C.B-A2177-3
H.C.B-A2177-2
H.C.B-A2177-1



- Material: Chorme vanadium, silvering finished.

SIZE	L(mm)	ITEM NO.	C(mm)	B(mm)	C1(mm)	B1(mm)	T(mm)	WT(g)
10x12	141	H.C.B-A2177-1	15.6	18.2	6.6	6.5	4.2	56
11x13	166	H.C.B-A2177-2	18.2	21.0	8.2	8.0	4.9	93
14x17	190	H.C.B-A2177-3	22	25	9.2	8.2	5.3	134
16x18	220	H.C.B-A2177-4	25.5	28	9.6	8.8	5.6	180
19x22	256	H.C.B-A2177-5	28.6	32.5	11.1	10.1	6.6	240

H.C.B-A2190 FINGER RATCHET (Dr. 1/4" & 1/4" Hex.)

掌心雷棘輪 (Dr. 1/4" 頭 & 1/4" 孔)

■ Features and benefits:

New finger style ratchet.
Small size works great for extremely tight areas.
Aluminum knurled outer ring for sure grip.
Reversible ratchet.
Dr. 1/4” on one side and 1/4” hex drive on other side.
Size: 28 mm Dia. x 35 mm L.







Joins to screwdriver bit



Joins to socket

H.C.B-A2191 NOISE STETHOSCOPE

異音聽診器

■ To search for the noise resources of car.
■ Including holding sensor, magnetic sensor, sucker sensor and clipping sensor, to deal with different places in the car.



■ **Specification:**

Holding sensor	Magnetic sensor	Sucker sensor	Clipping sensor
1pc 	2pcs 	2pcs 	2pcs 

Earphone	Main Body	Power line	Sensor extended line
1pc 	1pc 	1pc 	4pcs 

H.C.B-A2182 COOLING SYSTEM VACUUM PURGE & REFILL KIT

真空式水箱水更換器

10 / 15 / 16 / 3.44'





Fill new radiator liquid



Vacuum by air

- No more bleeding and save the time of clean up.
- Easy to connect with air pump and creates a vacuum.
- Attaching the filler hose, opening the valve and letting the pre-mixed coolant flow into the system.

H.C.B-B2169 NEW 21 PCS T-HANDLE DOUBLE-END BIT KIT

21 PCS T 桿套筒組

- Specifications:
  - 4 – Hexagon Balldrive: 3, 4, 5, 6 mm
  - 1 – Phillips: PH.1 × PH. 2
  - 1 – Pozidrive: PZ.1 × PZ. 2
  - 1 – Phillips-Pozidrive: PH. 3 × PZ. 3
  - 1 – Slotted: 4.5 × 6.5
  - 8 – Hexagon Nut – driver, 200 mm (L): 5, 6, 7, 8, 10, 11, 12, 13 mm
  - 1– Interchangeable Handle
  - 1– Ratchet T-Handle
  - 1 – 175 mm (L), Dr. 1/4” Longer Bit Holder
  - 1 – 1/4” Square Drive × 1/4” Hexagon Adapter
  - 1 – 3/8” Square Drive × 1/4” Hexagon Adapter

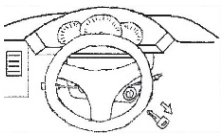
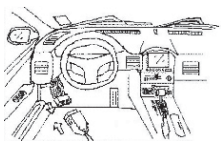
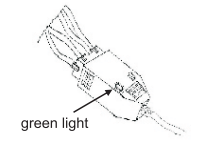
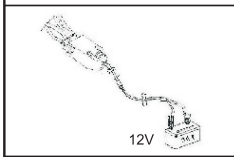
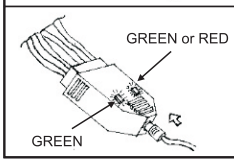


H.C.B-A2196 AUTO COMPUTER MEMORY UNIT

電瓶繼電器



- Attention:
  Please replace the battery after closing all doors. The indoor light will spend extra power if any door is opened.

	1.Remove the key.
	2.Connect **H.C.B-A2196** to the OBDII connector on the vehicle.
	3. Go step 4 after first green light. ※It is bad connection or unavailable detection when you can't see the first green light.
	4. Connect spare power.
	5. Make sure there are 2 green lights, the red light means the capacity of spare power is not enough. 6. Close all doors. 7. Replace the battery.

H.C.B-A2203 PNEUMATIC FLUID EXTRACTOR (8.5 L)

氣動抽油機 (8.5 L)

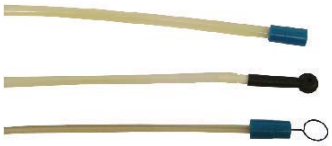
ADAPTER (OPTION):
NITTO MILTON ORION

4 / 6 / 10 / 3.8'

- Extracting new series of car engine oil. Capacity 8.5 L.
- Pneumatic extractor, non-sparking making.
- Only need one person to operate.
- 1 meter silicon hose with universal rubber adapters can assemble with most of brake fittings.
- Special fixing valve and safety cup are for automatic cut-off extracting.

- 可抽取汽車機油，最大容積8.5公升。
- 氣動式抽取，不會產生火花。
- 只需一人即可操作。
- 1公尺長矽膠管配上萬用橡膠接頭，可用於大部份的車輛。
- 特殊的固定式閥門和安全杯，可自動中斷抽油動作。





SPECIFICATIONS:

* Air inlet	1/4"
* Avg. Air cons	2 CFM
* Working pressure	40 ~ 170 PSI
* Temperature range	-19.4°C ~ 60 C
* Max. Capacity	8500 c.c. °

H.C.B-A2205 BASIC BRAKE OIL EXTRACTOR (2000 c.c.)

專業剎車油吸取機 (2000 c.c.)

ADAPTER(OPTION):
NITTO MILTON ORION

12 / 15 / 16 / 6'

- Economical - fast and easy, reduce labor costs.
- Versatile - handle most standard and ABS brake systems.
- Clean - collect old brake fluid without spillage.
- Quiet - integrated silencer for a quiet working environment.
- Silicon suction assembles with universal rubber fitting.

- 經濟－快速、簡便，可節省人力成本
- 用途多－可用於大部份標準和ABS煞車系統
- 乾淨－收集廢油、不用擔心溢漏
- 快速－一體成型式消音器，提供安靜的工作環境
- 配備有矽膠抽取器和萬用橡膠接頭



SPECIFICATIONS:

* Air inlet	1/4"
* Avg. Air cons	2 CFM
* Working pressure	40 ~ 170 PSI
* Temperature range	-19.4°C ~ 60°C
* Max. Capacity	2000 c.c.







H.C.B-A2206 BRAKE OIL FILLER (1000 c.c.)

剎車油補充油瓶 (1000 c.c.)

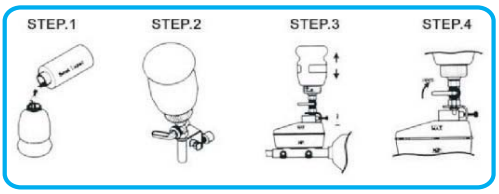
12 / 7 / 8 / 1.8'

- To fill brake oil easily.
- Capacity: 1000 c.c..
- 方便灌注剎車油
- 容量：1000 c.c.

ADAPTER(OPTION):
■NITTO ■MILTON ■ORION







H.C.B-A2227 Dr. 1/2" TX-STAR UNIVERSAL BIT SOCKET KIT (8 PCS) (T30/T40/T45/T50/T55/T60/T70)

Dr. 1/2" 六角星型通用套筒組 (8 PCS) (T30/T40/T45/T50/T55/T60/T70)

12 / 15.7 / 16.2 / 0.58'

- 7-Tx-star: T30, T40, T45, T50, T55, T60, T70
- 1-1/2” Square drive,universal socket adapter



H.C.B-B2227 Dr. 1/2" XZN (SPLINE) UNIVERSAL BIT SOCKET KIT (8 PCS) (M5/M6/M8/M10/M12/M14/M16/1/2"ADAPTER)

Dr. 1/2" 十二角型通用套筒組 (8 PCS) (M5/M6/M8/M10/M12/M14/M16/1/2"ADAPTER)

12 / 15.8 / 16.3 / 0.58'

- 7-XZN: M5, M6, M8, M10, M12, M14, M16
- 1-1/2” Square drive ,universal socket adapter



H.C.B-C2227 Dr. 1/2" RIBE UNIVERSAL BIT SOCKET KIT (8 PCS) (M6/M7/M8/M9/M10/M12/M14&1/2"ADAPTER)

Dr. 1/2" 六角齒輪型通用套筒組 (8 PCS) (M6/M7/M8/M9/M10/M12/M14&1/2"ADAPTER)

12 / 15.6 / 16.1 / 0.58'

- 7-Ribe: M6, M7, M8, M9, M10, M12, M14
- 1- 1/2” Square Drive, Universal Socket Adapter



H.C.B-A2229 Dr. 1/2" DEEP STAR-E IMPACT SOCKET KIT (9 PCS) (78 mm) (E10/E11/E12/E14/E16/E18/E20/E22/E24)

Dr. 1/2" 星形長套筒組 (9 PCS) (78 mm) (E10/E11/E12/E14/E16/E18/E20/E22/E24)

15 / 20 / 20.5 / 0.8'

- 9-78 mm (L)
- E10, E11, E12, E14, E16, E18, E20, E22, E24



H.C.B-B2167 STAR-E SOCKET KIT (6 PCS) (Dr. 1/2", E10/E12/E14/E16/E18/E20)

E 型套筒組 (6 PCS) (Dr. 1/2", E10/E12/E14/E16/E18/E20)

- For cylinder-head bolts on BMW, Mercedes CDI engines.
- Length – 140 mm.
- Size: E10, E12, E14, E16, E18, E20.



H.C.B-A2230 Dr. 3/4" TX-STAR & SPLINE IMPACT BIT SOCKET KIT (6 PCS) (61 mm) (T70/T80/T90/T100/M16/M18)

Dr. 3/4" 氣動星形 12 角凸型套筒組 (6 PCS) (61 mm) (T70/T80/T90/T100/M16/M18)

10 / CTN / 18.2 / 18.7 / 0.72'

- TRX-Star: T70, T80, T90, T100
- Spline: M16, M18
  Length:61 mm
  Material: CR-MO
  M16 Application: Touareg Phaeton from 2003, braking system, camshaft drive gear, caliper, rear.
  M18 Application: Touran 2004 • Audi A3 from 2004, landing gear assembly and disassembly, wheel bearing / hub unit.



H.C.B-B2230 Dr. 3/4" SQ. DRIVE HEXAGON & SPLINE IMPACT BIT SOCKET KIT (9 PCS)(61 mm) (14/17/19/21/22/23/24 mm/M16/M18)

Dr. 3/4" 氣動 6 角 &12 角套筒組 (9 PCS) (61 mm) (14/17/19/21/22/23/24 mm/M16/M18)

- Material: CR-MO with special blue finish or manganese phosphate.
- Overall Length: 61 mm.
- Size: 7 - Hexagon : 14-17-19-21-22-23-24 mm
  2 - Spline : M16-18
- Durable Chrome Molybdenum steel gives optimum balance between hardness and flexibility.
- Suitable for using with any impact tool.



H.C.B-C2230 Dr. 3/4" SQ. DRIVE HEXAGON & TX-STAR IMPACT BIT SOCKET KIT (9 PCS) (61 mm) (19/ 21/ 22/ 23/ 24 mm/ T70/ 80/ 90/ 100)

Dr. 3/4" 氣動星形 12 角凸型套筒組 (9 PCS) (61 mm) (19/21/22/23/24 mm/T70/80/90/100)

- Material : CR-MO with special blue finish or manganese phosphate.
- Overall Length: 61 mm.
- Size: 5 - Hexagon: 19-21-22-23-24 mm.
  4 - TX-Star: T70-80-90-100.
- Durable Chrome Molybdenum steel gives optimum balance between hardness and flexibility.
- Suitable for using with any impact tool.



H.C.B-A2236 7 PCS GLOW PLUG SOCKET KIT (with 3" EXTENBAR)

7 PCS 預熱塞火星塞套筒組 (含 3" 接桿)

- Specially designed for the easy removal and replacement of glow plugs.
- 6 PCS: 8.9.10.12.14.16 mm (12 – point).
- 1 PCS: 3" EXTENSION BAR.
- Dr. 3/8 "





H.C.B-D2235 AUTOMATIC TRANSMISSION OIL FILLING KIT (12.5 L) (15 PCS)

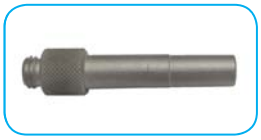
通用變速箱補充瓶 (12.5 公升) (15 PCS)

ITEM NO.	Thread	Application
1	1/8" NPT adapter	Ford
2	5/16"-24UNF adapter	Volvo
3	M10x1.00 adapter	Volkswagen
4	Short hook adapter	Volkswagen
5	Mediuem hook adapter	Volkswagen
6	Long hook adapter	BMW, Honda, Nissan
7	M18x1.50 adapter	Toyota
8	M24x1.50 adapter	Audi and Volkswagen with DSG
9	M22x1.50 adapter	Adui with CVT
10	M12x1.50 adapter	Mercedes with 722.9
11	M18x1.50 adapter	Skoda, Volkswagen
12	M30x1.50 adapter	Audi, Skoda, Volkswagen
13	M8x1.00 adapter	Nissan, Infiniti
14	M10x1.00 adapter	Volkswagen Passat
15	Flexible 300mm adapter	Honda, Hyundai, Kia



Optional (選購)

D2235-16
NISSAN Serena S-HYBRID
(M10x1.5)



H.C.B-B2235 AUTOMATIC TRANSMISSION OIL FILLING KIT (12.5 L)

通用變速箱補充瓶 (12.5 公升)

ITEM NO.	Thread	Application
1	1/8" NTP	FORD
2	5/16-24UNF	VOLVO
3	10X1.2	VOLKSWAGEN
4	N/A	VOLKSWAGEN
5	N/A	VOLKSWAGEN
6	N/A	BMW,HONDA,NISSAN
7	18X1.5	TOYOTA
8	24X1.5	VW,AUDI W/DSG TRANSMISSION
9	22X1.5	AUDI W/CVT TRANSMISSION
10	12X1.5	MERCEDES W/722.9 TRANSMISSION



H.C.B-C2235 AUTOMATIC TRANSMISSION OIL FILLING KIT (7.5 L) (14 PCS)

通用變速箱補充瓶 (7.5 公升) (14 PCS)

- The unit is designed to fill fluid in transmission, differentials and transfer cases.

ITEM NO.	Thread	Application
1	1/8 NPT	FORD
2		UNIVERSAL(BMW, HONDA,NISSAN)
3	Short adapter	VW/AUDI
4	Long adapter	VW/AUDI, PORSCHE
5		VW/AUDI,MINI COOPER
6	M12x1.5	BENZ 722.9
7	M24x1.5	VW/AUDIDSGM
8	M22x1.5	VW/AUDICVTM
9		VOLVO
10		TOYOTA/LEXUS
11		SKODA
12		VW/Passat and Tiguan after 2007
13		Infiniti 7 speed
14		Universal(HONDA, Hyundai, Kia.)





H.C.B-A2253 BEARING SEPARATOR (20~150 mm)

培林拔卸器 (20~150 mm)

- Forged steel jaws.
- Suitable for removing bearings, gears and bushes from shafts.

ITEM NO	SIZE
A2253-1	20-40 mm
A2253-2	30-50 mm
A2253-3	50-75 mm
A2253-4	75-105 mm
A2253-5	105-150 mm



H.C.B-A2235 AUTOMATIC TRANSMISSION OIL FILLING KIT (7.5 L)

通用變速箱補充瓶 (7.5 公升)



■ **Operating Instruction:**
1.Open the filling cap on the reservoir. Fill in dispensing fluid
2.Tank capacity is 7.5 L.
3.Find the suitable adaptor from the selection and connect to the vehicle.
4.Connect the adaptor with dispensing hose.
5.Push-pull the dispensing handle to begin the operation.



ITEM NO.	Thread	Application
A2235-1	1/8 NPT	FORD
A2235-2		UNIVERSAL(BMW, HONDA,NISSAN)
A2235-3	Short adapter	VW/AUDI
A2235-4	Long adapter	VW/AUDI,PORSCHE
A2235-5		VW/AUDI,MINI COOPER
A2235-6	M12x1.5	BENZ 722.9
A2235-7	M24x1.5	VW/AUDI DSG
A2235-8	M22x1.5	VW/AUDI CVT





H.C.B-B1655 UNIVERSAL BEARING EXTRACTOR

萬用培林拔卸器

- For extracting inner bearings, bearing outer rings and bushings.
- Mechanical pressure screw.
- Milled thread treated with special coating.
- Strong design, high performance and long service life.
- Safety label to ensure protection of intellectual property.
- Self-healing corrosion protection for galvanized parts.



No.								
	mm	inch	mm	inch	mm	inch	Segment	kg
B1655-01	6 - 10	15/64 - 25/64	14	9/16	73	2 7/8	2	0.112
B1655-02	8 - 12	5/16 - 15/32	14	9/16	73	2 7/8	2	0.110
B1655-03	10 - 14	25/64 - 9/16	14	9/16	73	2 7/8	2	0.112
B1655-04	12 - 16	15/32 - 5/8	25	1	72	2 27/32	2	0.104
B1655-05	14 - 19	9/16 - 3/4	27	1 1/16	72	2 27/32	2	0.218
B1655-06	18 - 23	23/32 - 29/32	35	1 3/8	89	3 1/2	2	0.220
B1655-07	20 - 30	25/32 - 1 3/16	40	1 9/16	92	3 5/8	2	0.222
B1655-08	28 - 40	1 7/64 - 1 9/16	23	29/32	101	3 31/32	2	0.388
B1655-09	35 - 46	1 3/8 - 1 13/16	50	1 31/32	113	4 7/16	2	0.666
B1655-10	45 - 58	1 25/32 - 2 9/32	85	3 11/32	135	5 5/16	2	1.2





H.C.B-A2254 9.75" PROFESSIONAL CRIMPING TOOL

9.75" 撥線鉗

- Material: Carbon steel HRC: 48°~53°.
- Function:
  1.Wire cutter
  2.Crimps insulated terminals
  3.Bolt cutter
  4.Crimps non- insulated terminals
  5.Open barrel terminals
  6.Wire stripper
  7.Crimps pin terminals
  8.Bending wire



H.C.B-A2257 FUEL GAUGE & PUMP SENDER COLLAR WRENCH

燃油壓力錶 & 泵浦油箱蓋扳手

- Innovative tool for installation & removal of fuel pump/gauge sender collars.
- Adjustable to suit most collars from 89 to 170 mm.
- Lock in place and then turn with a 19 mm wrench or socket.
- A damage free method of removing & re-fitting collars.
- A universal alternative to OEM tools.







H.C.B-A2340 NEW 6 TONS JACK STANDS

6 噸頂車架

- Ratcheting safety design ensures stands will remain locked even under the heaviest loads.
- Convenient handles are mounted to frame and column release.
- Specifications:
  Min. Height (mm): 390
  Max. Height (mm): 605
  Base Dimensions: 10-13/16” x 9-7/16”





H.C.B-A2306 Dr. 3/4" TORQUE WRENCH (200-1000 N.M)

Dr. 3/4" 扭力扳手 (200-1000 牛頓米)

- Industrial application.
- Wide range of choice.
- Tolerance of torque ±3%.
- Easy torque-adjusting design brings energy-saving benefit.
- Applied to both clockwise and counterclockwise directions.
- Quality meets DIN ISO 6789 & ASME B107.300-2010.



H.C.B-A2341 NEW 2.5 TONS HYDRAULIC TROLLEY JACK

2.5 噸油壓千斤頂

- 360 degree swivel casters, and safety overload system to prevent use beyond rated capacity.
- Rotating heavy duty saddle, 360 degree handle for use at any angle.
- Light weight jack for easy transport.
- Specifications:
  Min. Height (mm): 75 mm
  Max. Height (mm): 515 mm



H.C.B-A2342 NEW 2.5 TONS HYDRAULIC FLOOR JACK

2.5 噸油壓千斤頂

- 360 degree swivel casters, and safety overload system to prevent use beyond rated capacity.
- Rotating heavy duty saddle, 360 degree handle for use at any angle.
- Specifications:
  Min. Height (mm): 135 mm
  Max. Height (mm): 520 mm



H.C.B-A2343 NEW 2 TONS ALUMINUM RACING JACK

2 噸鋁合金千斤頂

- High strength ultra light aluminum for easy maneuverability.
- Double pump design rapidly raises jack to maximum height with fewer strokes.
- Side mounted handles for easy lifting and carrying.
- Wiper seals protect hydraulic system from contaminates.
- Overload and by-pass safety valves prevent use beyond the jacks rated capacity and over extension of the ram.
- Removable rubber saddle protects vehicle and prevents slipping.
- Universal design release mechanism provides safe, controllable lowering of the vehicle.
- Suitable for clearance is an issue - super low profile at only 95mm!
- Specifications:
  Min. Height (mm): 95 mm
  Max. Height (mm): 440 mm



H.C.B-A2344 NEW 2 TONS HYDRAULIC TROLLEY JACK

2 噸油壓千斤頂

- Rugged steel frame construction
- 360 degrees rotating saddle
- 2 rear swivel casters for easy positioning
- Handle for raising and positioning
- Excellent stability.
- Multipurpose floor jack for car or heavy-duty lifting jobs.
- Specifications:
  Min. Height (mm): 135 mm
  Max. Height (mm): 385 mm



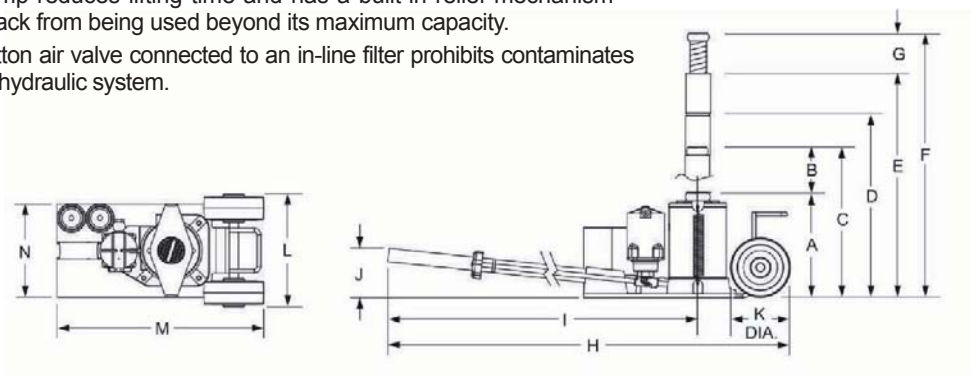
H.C.B-A1502 20 TONS AIR/HYDRAULIC FLOOR JACK-LOW PROFILE

20 噸氣動 / 油壓千斤頂 (超低型)



- INTENDED USE:
  Heavy duty truck, agricultural and heavy construction equipment. Ideal for loaded truck and trailer roadside service calls.
- Long handle with 36-1/2" reach helps in positioning jack under vehicles with low overhang.
- May be stored in a vertical position.
- Hand grip also works as a stand to store the jack in a vertical position.
- Compact design fits easily between tandem wheels.
- Parkerized coating on pump piston, extension screw and extension adapters and chrome coated ram offer protection against rust.
- Removable extension screw is used with the two 4" extension adapters (included) for added height when necessary.
- Self-retracting ram eliminates manual lowering of the jack.
- 5 1/4" diameter high impact composite wheels make maneuverability easy.
- Fast efficient air pump reduces lifting time and has a built-in relief mechanism which prevents the jack from being used beyond its maximum capacity.
- Convenient push button air valve connected to an in-line filter prohibits contaminates from entering the air/hydraulic system.





MODEL NUMBER	CAPACITY	PSI RANGE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	SHIPPING WEIGHT (Lbs.)
A1502	20 TON	100-130	8.625"	4"	12.75"	16.75"	20.75"	22.75"	2.75"	53"	36.5"	6.25"	5.25"	9.25"	17.25"	7.75"	63

Low Lift Height	High Lift Height	Stroke	Screw Extension	Base Size	P.S.I. Range	Shipping Weight
8.625	22.75"	4"	2.75"	9.25" x 17.25"	100-130	63 lbs

H.C.B-C1502 50 TONS AIR/HYDRAULIC JACK

50 噸氣動 / 油壓千斤頂

- Low profile design for most of industrial applications.
- Forged base as the strongest construction to catch the needs in industry market.
- Housing welding onto the forged base makes to be free of leakage problem as well.
- Telescopic design of C1502 reaches the extra needed during operating to save time and labor cost much.
- This jack is equipped with two large Dia. Rubber wheels provide the greatest convenience and mobility you need.





H.C.B-B1502 20 TONS AIR/HYDRAULIC TRUCK JACK-LOW TYPE

20 噸氣動 / 油壓千斤頂 (超低型)



- Professional use in repairing heavy duty truck, agricultural and heavy construction equipment.
- Ideal for loaded truck and trailer roadside service.
- Compact low profile design for maximum access, fit easily and safely between wheels of a tandem axle vehicle.
- “T” handle allows jack operation at any handle position.
- Handle locking lever secures handle in either vertical, horizontal or 45 degree position.
- Self-retracting ram eliminates manual lowering of jack.
- Quick rated capacities life using air actuated operation.
- Automatic by-pass mechanism protects user and hydraulic cylinder from over pumping danger.
- Rust inhibitive coating on ram and extension screw.
- Extension screw gives added height when necessary.



Model	Capacity (Ton)	Stroke (mm)	Min. Height (mm)	Max. Height (mm)	Ext. Bar (A) mm	Ext. Bar (B) mm	Ext. Bar (C) mm	L x W x H (mm)	Weight (kgs)
B1502	20	90	190	280	15	40	60	570x140x1100	29

H.C.B-A2265 PORTABLE MINI FLOOR JACK

輕便型油壓剪式千斤頂



- Low profile and wide lifting range, from 153 mm to 368 (6" to 14 1/2").
- Four wheels provide user position jack easier and faster.
- Built-in spring can lower vehicle and lower jack to lowest position easily.
- High strength plastic saddle designed to receive panel rail and avoid damageing vehicle body.
- Big and heavy cast iron base provides stability when loaded.
- Built-in stopper to prevent ram from over-traveling.
- Scissor' assembly and handle adopt electro deposition coating.
- This special treatment provides outside appearance highest protection, so it never peels off.
- High operating effort, only 14 kgs (31 lbs) force is required to operate.
- Compact size and light weight (gross weight 7.3 kgs/16 lbs) easy for carrying and operating.
- Purpose: For lifting one wheel of the vehicle's gross weight below 2000kgs (4400 lbs) off the ground in order to change a tire or install snow chains.



- 低機身及大揚程(自153 ㎜到368 ㎜)
- 搭配四個滾輪方便使用者更迅速地定位。
- 內藏式強力彈簧讓千斤頂更容易完全收合。
- 高強度塑膠鞍座的設計以配合車子的千斤頂托架並避免傷及車子鈑金和烤漆。
- 巨大且沉重的鐵板座於承載時提供更高的穩定性。
- 內藏式制止器以防超高使用而發生危險。
- 頂昇臂組和手把採電著處理，不易刮傷生鏽。
- 高超的效率，只需14kg的使力即可操作。
- 輕巧體積與超輕重量容易攜帶與使用。
- 用途：適用於總重在2000kgs以下車輛

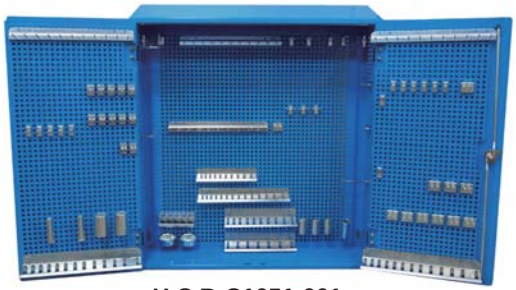


H.C.B-C1051 TOOL CABINET

壁櫃

- Manufactured with heavy gauge sheet steel for extra strength and durability.
- Superb quality lockable 2 door wall cabinet.
- It combines easy access and tool storage with security.
- Dimensions: W: 900 mm D: 215 mm H: 1000 mm.

- 厚規格鋼板製造可增加強度與耐久性.
- 具有精湛品質且有上鎖功能的櫥櫃,是保養場技工的最佳儲物櫃!
- 多孔設計可方便拿取與存放.
- 規格: 寬:900 ㎜ 深:215 ㎜ 高:1000 ㎜



H.C.B-C1051-001
(Tools are NOT included)

ITEM NO	C1051-002	C1051-003	C1051-004	C1051-005	C1051-006	C1051-007
Description	TOOL HOOK inclined hook end	TOOL HOOK inclined hook end	TOOL HOLDER vertical hook end	TOOL HOLDER double,vertical hook end	TOOL HOLDER double,vertical hook end	TOOL HOOK inclined hook end
PHOTO						
Q'TY	6	5	1	2	3	2
C1051-008	C1051-009	C1051-010	C1051-011	C1051-012	C1051-013	C1051-014
TOOL HOOK for wrench	TOOL HOLDER double,vertical hook end	TOOL HOLDER double,vertical hook end	SPRING CLAMP	Ø4 x 50 L TOOL HOLDER for wrench	Tool holder for screwdrivers	ROUND HOLDER
						
1	12	1	2	3	1	1
C1051-015	C1051-016	C1051-017	C1051-018	C1051-019	C1051-020	C1051-021
Socket holder	Socket holder	Socket holder	Socket holder	Socket holder	Tool holder for screwdrivers	Tool holder for screwdrivers
						
1	2	1	1	1	2	3
C1051-022	C1051-023	C1051-024	C1051-025	C1051-026	C1051-027	
Tool holder for toque wrench	Tool holder for screwdrivers	Tool holder	Drill-bit holder With 5 holes	TOOL HOLDER double, vertical hook end	clamp	
						
2	1	2	1	14	100	

H.C.B-D1051 TOOL CABINET

工具櫃

- Dimensions: W: 900 mm, D: 215 mm, H: 1000 mm
- Options:
  Special color and design are available on request.
  Delivery without tools and accessories.

- 規格 : 寬 : 900 x 深 : 215 x 高 : 1000 mm
- 選擇 :
  可客製特殊顏色和設計
  不包含工具和配件





(Tools are NOT included)

H.C.B-A6005-5 TOOL HOLDER (5 SLICES)

工具櫃 (5 片)

- Easy to install and disassemble, small size for transportation; double hooks for hanging a variety of tools.
- 1.5 mm thick plate which is robust and easy to be modified.
- Customize: Can be made according to the size and color which customer requires.

- 易於安裝和拆卸，運輸體積小雙面掛鉤，可以掛各種各樣的工具，板子厚度 1.5MM，堅固結實，不易變型可以根據客戶要求做尺寸跟顏色

Item no	Description
A6005-3	3 slices
A6005-4	4 slices
A6005-5	5 slices
A6005-8	8 slices





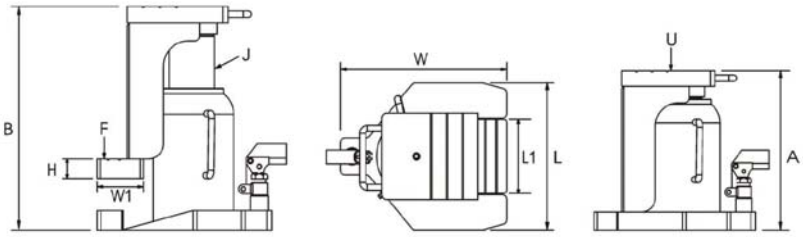
H.C.B-A2258 TOE JACK

L 型油壓千斤頂



- Heat treated & chrome plated hydraulic rod provide longer seal life and optimum performance.
- Internal safety valve prevents toe jack from over its rated capacity.
- Housing welding onto the forged base can avoid leakage problem.
- Removable handle saves the handle force during operation.
- High strength toe-lift in tight clearances.
- Swivel sockets for easy operation.
- Use the safe dependable toe jacks and speed rollers to safely lift and move a heavy load in a low clearance situation.
- Super low height (the lowest in the industry) toe jacks, easy operation under the most difficult situations.
- These are the best choice for lifting heavy machinery and cargo, especially when installing industrial machinery, relocating shipyard equipment, or during bridge and plant construction.

Item	TOP CAP. U(Tons)	TOP-LIFT CAP. F(Tons)	TOE-LIFT STROKE (mm)	MIN. HEIGHT A(mm)	MAX. HEIGHT B(mm)	PISTON ROD DIA. J(mm)	BASE DIMENSIONS LxW(mm)	HEIGHT H(mm)	TOP-LIFT L1xW1(mm)	WEIGHT (kgs)
A2258-025	2.5	1.2	100	194	294	19	140 X 190	19	65 X 50	6.5
A2258-040	4	2	110	204	314	25	150 X 200	19	65 X 50	8
A2258-060	6	3	100	212	322	36	160 X 217	19	65 X 50	10
A2258-100	10	5	130	258	388	40	189 X 242	22	75 X 55	11.9
A2258-160	16	8	134	275	406	52	211 X 256	25	90 X 55	23
A2258-200	20	10	140	303	443	56	228 X 274	25	100 X 60	31
A2258-300	30	15	100	322	469	70	259 X 305	32	110 X 60	47.3
A2258-500	50	25	110	333	481	90	299 X 347	38	150 X 60	77.5



H.C.B-B2299 3 FUNCTION TIRE PRESSURE GAUGE (FOR CAR)

三用胎壓量錶 (小車)

- Multi-function tire pressure gauge: check pressure,Inflate,Deflate.
- Pressure Range: 0-15 kg/cm,0-220 psi, 0-15 bar, 0-1500 kpa
- Aluminum die-casting body with H-D brass valve
- Air inlet: 1/4” PT



H.C.B-A2283 Dr. 1/2" DEEP IMPACT SOCKET KIT (13 PCS) (10/11/12/13/14/16/17/19/21/22/24/27/30 mm)

Dr. 1/2" 長型氣動套筒組 (13 PCS) (10/11/12/13/14/16/17/19/21/22/24/27/30 mm)

- Sizes: 10 mm, 11 mm, 12 mm, 13 mm, 14 mm, 16 mm, 17 mm, 19 mm, 21 mm, 22 mm, 24 mm, 27 mm, 30 mm.



H.C.B-A1541 DIGITAL CALIPER

極速卡尺

Functions

- On/off: press<on> button once to turn on. Press button an additional time to turn off.
- Zero setting: press <zero> function button.
- Change measuring standard: Press<mm/in> function button.
- Absolute/incremental: press <abs> button, to return to zero function press button again.



Technical Data

- Measuring range: 0-6”/150 mm, 0-8”/200 mm,0-12”/300 mm
- Resolution: 0.0005”/0.01 mm
- Accuracy: 6”/150 mm:±0.001”/±0.02 mm
  12”/150 mm:±0.0015”/±0.04 mm
- Repeatability: 0.0005”/0.01 mm
- Measuring system: Capacitive
- Display: LCD (10.0 mm high)
- Maximum measuring speed: 120” per second
- Battery: 3V, type CR2032 Lithium
- Battery life: approx. 1 year
- Operational temperature range: 0°C to+ 40°C
- Maximum relative humidity: 80%

H.C.B-A2316 MECHANICS CREEPER

臥板

- Made from durable, rust-proof fiberglass
- Ergonomically shaped: cut out arm areas for optimal elbow-room
- Padded head cushion
- Comfortable ergonomic shape
- Six wheels (hard rubber for smooth operation)
- Convenient tool trays
- Easy-to-clean surface
- Dimensions: 104.5 x 517 mm.





H.C.B-A2317 THREADED COIL-INSERT REPAIR KIT (130 PCS)

螺紋修護組 (130 PCS)



- **Specification:**
  M6×1.0
  M8×1.25
  M10×1.25
  M10×1.5
  M12×1.25

- (25) M5 coils, (25) M6 coils, (25) M8 coils, (25) M10 coils, (10) M12 coils
- (1) M5 tap, (1) M6 tap, (1) M8 tap, (1) M10 tap, (1) M12 tap
- (1) M5 tang puncher, (1) M6 tang puncher, (1) M8 tang puncher, (1) M10 tang puncher, (1) M12 tang puncher
- (1) M5 drill bit, (1) M6 drill bit, (1) M8 drill bit, (1) M10 drill bit, (1) M12 drill bit, (1) Metal case

H.C.B-A2319 2 WAY AIR DUSTER

二用風槍



- Flow control knob to adjust air speed.
- Interchangeable short nozzle and 4-1/2" in. Long nozzle is optional.
- Nozzles can be used in standard pistol grip mode as well as from the top of the gun for access into fight spots.
- Ergonomic grip, lightweight.

H.C.B-A2322 SPARK PLUG PLIERS (3 PCS)

火星塞鉗 (3 PCS)

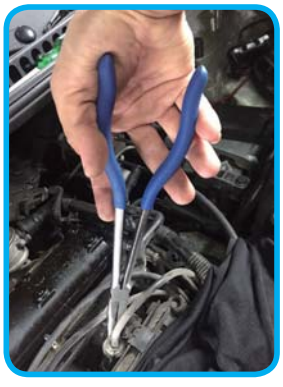


- **Applications:**
  Made from CR-MO material.
  Suitable for using on hoses, spark plug wires, etc...

- **Specification:**

Item No.	ø	Length
A2322-08	8 mm (5/16")	11"
A2322-13	13 mm (1/2")	11"
A2322-19	19 mm (3/4")	11"





H.C.B-A2335 NEW Dr. 1/2” LOW PROFILE IMPACT SOCKET KIT (15 PCS)

Dr. 1/2" 超低型短套筒組 (15 PCS)

- This kit includes Dr. 1/2”, 10 - 24 mm hexagon sockets.
- Ideal for using with 1/2” ultra short impact wrench



H.C.B-A2336 NEW 1/2"F X 3/4"M 1500NM TORQUE MULTIPLIER KIT (7 PCS)

1500NM 9 倍倍力器組 (7 PCS)

- Torque multiplier can turn small amounts of input torque into large output torque to loosen the toughest threaded fasteners which increase the efficiency and save labor.
- Specification:
  Dr. 1/2" F. × Dr. 3/4" M.
  Gear ratio: 1:9
  Torque Ratio: 1 : 6.5
  Max. Input Torque: 231 Nm (170 lb-ft)
  Max. Output Torque: 1500 Nm (1106 lb-ft)
  Torque Multiplier × 1 pcs, 380mm Reaction Bar × 1 pcs
  90° Reaction Bar × 1 pcs, 90° Reaction Base × 1 pcs
  Break-Away Adapter × 2 pcs, L Type Hex Key × 1 pcs
  Input drive: Dr. 1/2" female
  Output drive: Dr. 3/4" male



Do not use with impact tool!

H.C.B-B2336 NEW 3/4"F X 1"M 2500NM TORQUE MULTIPLIER KIT (7 PCS)

2500NM 4 倍倍力器組 (7 PCS)

- Torque multiplier can turn small amounts of input torque into large output torque to loosen the toughest threaded fasteners which increase the efficiency and save labor.
- Specification:
  Dr. 3/4" F. × Dr. 1" M.
  Gear ratio: 1:4
  Torque Ratio: 1 : 3.3
  Max. Input Torque: 758 Nm (559 lb-ft)
  Max. Output Torque: 2500 Nm (1850 lb-ft)
  Torque Multiplier × 1 pcs, 380mm Reaction Bar × 1 pcs
  90° Reaction Bar × 1 pcs, 90° Reaction Base × 1 pcs
  Break-Away Adapter × 2 pcs, L Type Hex Key × 1 pcs
  Input drive: Dr. 3/4" female
  Output drive: Dr. 1" male



Do not use with impact tool!

H.C.B-A2338 NEW Dr. 1/2" TAMPER/ SPLINE IMPACT BIT SOCKET KIT (8 PCS)

Dr. 1/2" 梅花型 / 花鍵型衝擊起子套筒組 (8 PCS)

- Size: 44 mm (L): M12, M14, M16, M18
- Size: 77 mm (L): M12, M14, M16, M18



H.C.B-A2339 NEW 22H (Dr. 1/2") INSERT-SNAP WRENCH & SOCKET KIT (24 PCS)

22H (Dr. 1/2") 快插式扳手 & 套筒組 (24 PCS)

- Material: CR-V
- Finish: Sanding Mirror Chrome

Contents

1PC- 22H Insert-Snap Wrench
2PC- 1/2"Dr.Wobble Extension Bar 5" & 10"
1PC- 22H x 1/2"Dr. Quick Release Socket Adaptor
1PC- 1/2"Dr. Universal Joint
19PC- 22H(1/2"Dr.) 2 Way Insert-Snap Socket:
5/16; 11/32; 3/8; 7/16; 15/32; 1/2; 9/16; 19/32;
5/8; 11/16; 3/4; 25/32; 13/16; 7/8; 15/16; 1;
1-1/16; 1-3/16; 1-1/4"

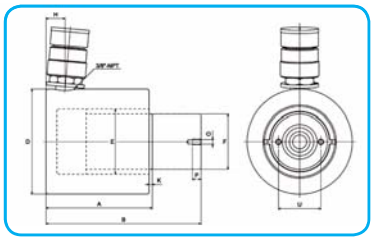


H.C.B-A1937 NEW CYLINDER

油壓缸

- Capacity: 10~100 Tons
- Stroke: 38~62 mm
- Max. Working Pressure: 700 bar / 10,000 psi
- All cylinders are single acting with spring return.
- Pistons hard chromed.
- Cylinders inside roll-polished.
- Cylinders outside blasted with black nitriding finish.





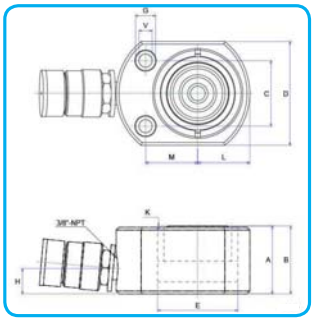
Model	Capacity (tons)	Stroke(mm)	Oil Cap (cm³)	A Height(mm) Retracted	E (Ø mm)	F (Ø mm)	H (Ø mm)	J (Ø mm)	K (Ø mm)	O (Ø mm)	P(Ø mm)	U (mm)	Weight
A1937010	10	38	55.0	88	78	42.8	38	17.5	5	M4	8	26	4.1
A1937020	20	45	127.0	98	97	60	50.8	17.5	3	M5	9	39	5
A1937030	30	62	274.0	117	107	75	63.5	19	3	M5	8	39	6.8
A1937050	50	60.5	429.0	122	127	95	70	19	2	M5	8	39	10.9
A1937100	100	58	830.0	141.5	165	135	92	19	1.5	M8	10	55	22.7

H.C.B-A1936 NEW CYLINDER

油壓缸

- Capacity: 5~150 Tons
- Stroke: 6~17 mm
- Max. Working Pressure: 700 bar / 10,000 psi
- All cylinders are single acting with spring return.
- Pistons hard chromed.
- Cylinders inside roll-polished.
- Cylinders outside blasted with black nitriding finish.





Model	Capacity ton	Stroke (mm)	Oil Cap. (cm³)	A Height (mm) Retracted	B Height (mm) Extended	C (Ø mm)	D (Ø mm)	E (Ø mm)	F (Ø mm)	H (Ø mm)	K (Ø mm)	V (Ø mm)	G (Ø mm)	L (mm)	M (mm)	Weight
A1936005	5	6	4.5	33	39	28.5	58.5x44	31	25.4	16	1	5.3	9.5	22	22	1
A1936010	10	12	18.0	42	54	36.5	82.5x60	44	38	19	1	7.5	11	30	34	1.4
A1936020	20	12	34.0	51	63	49.3	100x78	60	50.8	19	1	10	15	39	39	3.1
A1936030	30	13	54.0	58	71	52.3	117.5x95	73	63.5	19	2	10	16	47.5	47.5	4.5
A1936050	50	16	113.0	66	82	66.5	145x115	95	70	19	2	11	19	57.5	58	6.8
A1936075	75	16	180.0	79	95	76.2	170x145	120	82.5	19	2	13.5	20.5	72.5	70	11.3
A1936100	100	16	229.0	85	101	76.2	185x160	135	92	19	2	13.5	20.5	80	78	14.5
A1936150	150	17	363.0	100	117	117	225x195	165	115	23	2	13.5	20.5	97.5	85	26.3

H.C.B-A1935 NEW HOLLOW PLUNGER CYLINDER

中空油壓缸

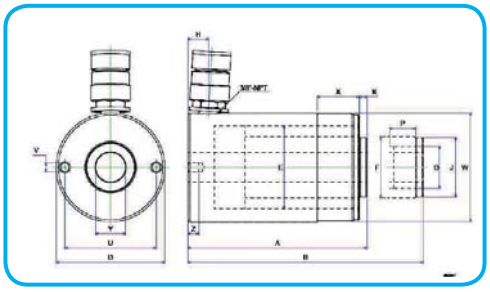
- Capacity:12~100 Tons
- Stroke: 8~155 mm
- Max. Working Pressure: 700 bar / 10,000 psi
- All cylinders are single acting with spring return.
- Pistons hard chromed.
- Cylinders inside roll-polished.
- Cylinders outside blasted with black nitriding finish.





Model	Capacity ton	Stroke (mm)	Oil Cap. (cm³)	A Height (mm) Retracted	B Height (mm) Extended	D (Ø mm)	E (Ø mm)	F (Ø mm)	H (Ø mm)	J (Ø mm)
A1935131	12	8	14.8	60	68	73	54.1	35	12.5	--
A1935132		42	79	120	162		55		19	
A1935133		42	79	120	162		55		19	
A1935134		76	143.2	184	260		55		19	
A1935201	20	51	173	162	213	98.5	75	55	19	54
A1935202		155	527	306	461					
A1935301	30	65	310	178.5	243.5	117	90	65	21.5	59.9
A1935302		160	763	330	490					
A1935601	60	76	680	247.5	323.5	158.6	125	90	32	89
A1935602		152	1360	323.5	457.5					
A19351001	100	76	1085	254	330	213	165	125	38	125

Model	K (Ø mm)	O (Ø mm)	P (Ø mm)	U (Ø mm)	V (Ø UNC)	Z (Ø mm)	W (Ø mm)	X (Ø mm)	Y Centre hole (Ø mm)	Wight
A1935131	-	3/4"-16	16	50.8	5/16"-18	9	23/4"-12	33	19.5	1.5
A1935132		-	-			12.7				3
A1935133		3/4"-16	16			12.7				3
A1935134		-	-			12.7				4.2
A1935201	7	19/16"-16	25	82.6	3/8"-16	9.4	37/8"-12	38	27	7.5
A1935202										13.5
A1935301	0.5	17/8"-16	25	92	3/8"-16	14	41/2"-12	42	34	11
A1935302										20.4
A1935601	12.5	23/4"-16	25	130	1/2"-13	14	61/4"-12	50	54	26.4
A1935602										34
A19351001	12	4"-16	30	178	5/8"-11	19	83/8"-12	60	79	50.1



H.C.B-A2353 NEW FUEL SYSTEM CLEANING KIT

燃油清潔組

- Designed for introducing cleaning agent into the engine without the cleaner being diluted in fuel tank.
- Also for quick fuel air bleeding after the fuel system has been disturbed.
- Closing type adapters work as seamless fuel stoppers when fuel lines are disconnected.
- Provided with various adapters for the most common vehicles and models.



H.C.B-A2354 NEW DIESEL LOW PRESSURE DIAGNOSIS KIT

柴油低壓測試組

- Designed for inspect low pressure or return fuel side of diesel engines.
- Two manometers with different scales (-1 – 5 bar and -1 – 15 bar) offer more accurate test results.
- Ten fuel line adapters cover a wide range of diesel engines and car makes.
- 2 meter long hoses help connections in confined areas in engine compartment.
- Translucent tube on adapters help observe impurities and bubbles in the fuel.



HWANG CHERNG BIN H.C.B

SINCE 1990

018

HWANG CHERNG BIN

Specialty Tools Inc.

鈑金修護工具

PANEL REPAIR TOOL







H.C.B-A1011 SPOT WELDING SLIDE HAMMER KIT

自動點焊滑鎚

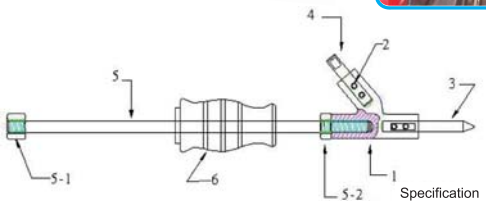
10 / 15.5 / 17.8 / 1.02'





- Directly weld to denting auto body. Pull with slide hammer without drilling a hole in the body.

Parts NO	Quantity	Description
1	1	Identity
2	4	Screw M6xP1.0
3	1	Ø10x84L
4	1	Ø10x55L
5	1	Ø7/16"x336L
5-1	1	H21x17L
5-2	1	Screw M12xP1.5
6	1	Hammer



Specification

H.C.B-A1012 WASHER SLIDE HAMMER KIT

點焊滑鎚

10 / 15.3 / 17 / 1.32'





- Pull with slide hammer with washer in the body.

H.C.B-A1032 PANEL SLIDE HAMMER

車體鈑金滑鎚

- A master tool set for auto body shop.





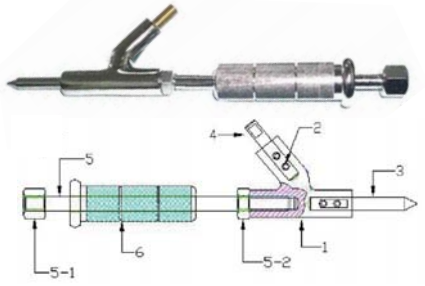
H.C.B-A3018 SPOT WELDING SLIDE HAMMER KIT MINI MODEL

自動點焊滑鎚袖珍型

10 / 9.6 / 12 / 0.6'

- Directly weld to denting auto body. Pull with slide hammer without drilling a hole in the body.

Parts NO	Quantity	Description
1	1	Identity
2	4	Screw M6xP1.0
3	1	∅10x84L
4	1	∅10x55L
5	1	∅7/16" X210L
5-1	1	H21x17L
5-2	1	Screw M12xP1.5
6	1	Hammer



H.C.B-A3019 SPOT WELDING SLIDE HAMMER KIT MINI MODEL

自動點焊滑鎚袖珍型

10 / 10.9 / 12.7 / 0.6'

- Directly weld to denting auto body. Pull with slide hammer without drilling a hole in the body.



H.C.B-A1013 EXTENSION BAR

10 噸接桿組

- Combined with pump.
- N.W.: 8.3 KGS





H.C.B-A1014 ADJUSTABLE EXTENSION BAR

調整型接桿

- You can extend it by turning the bar.
- N.W.: 3 KGS





H.C.B-A3003 SPOT WELDER

自動點焊機

1 / 31 / 33 / 2.7'

- It promotes the speed of sheet metalling functional endurable and strong welding.

H.C.B-A3003



H.C.B-A3017 AIR SPOT DRILL

點焊鑽除機

10 / 15 / 16 / 1.4'



H.C.B-A3001 — 10 TONS POWER PULLER PACKAGE

10 噸鈑金拉柱組

1 / 118 / 175 / 34.5'

- Adjustable pulley on tower performs both straight and angle pulls from 6" above base to maximum of 70".
- For using in conjunction with floor system for auto body repair.
- Equipped with two big wheels for the easy moving range of chains by pulling 50 cm.
- Gently remove pulley in desired height by hand only.
- N.W.: 118.5 KGS

Specification:

1: Panel pull rod	1. 鈑金拉柱
2: Hydraulic cylinder	2. 油壓缸 (10噸加長型)
3: Chain	3. 鍊條 (15尺)
4: Air pump	4. 氣動幫浦 (台製)
5: Pulling pulley	5. 鍊條滑輪
6: Main pully	6. 油壓缸撐頭
7: Pin	7. 插銷
8: 90°fixing device	8. 鈑金拉柱 90° 固定塊
9: Extension fixing (RV)	9. 鈑金拉柱加高器 (休旅車用)




1. Panel pull rod


3. Chain


4. Air pump

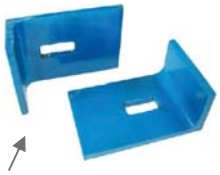

5. Pulling pulley×2


2. Hydraulic cylinder


7. Pin×2


9.Extension fixing(RV)


6. Main pulley×1


8. 90° fixing device×2





H.C.B-B3001

10 TONS POWER PULLER PACKAGE

10 噸鈑金拉柱組

- To combine with A3001-2, A3001-3, A3001-4, A3001-5, A3001-6, A3041.
- It has to equipped with A3022 or A3023.


H.C.B-A3041



H.C.B-A3002

SIMPLER AND EASIER PANEL FRAME

簡易式鈑金拉柱

- This kind of panel puller frame has to be used.
- Specification:
  W 700 mm x D 400 mm x H 1225 mm.



H.C.B-A3036

AIR HYDRAULIC PUMP (1600 c.c.) (Dr. 3/8" ADAPTOR)

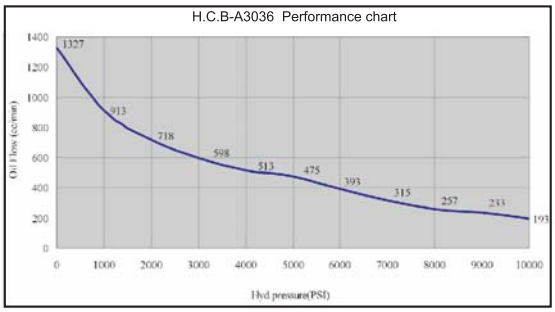
氣動幫浦 (1600 c.c.)
(Dr. 3/8" 接頭)



■ Application: 10~30 tons.

Sound level test	80 dba/m
N.W.	8.32 KGS
G.W.	8.5 KGS
CUFT	0.8'
Oil reservoir capacity	1600 c.c.

Hyd. pressure (PSI)	0	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
Oil flow (c.c./min)	1327	913	718	598	513	475	393	315	257	233	193



H.C.B-B3036

AIR HYDRAULIC PUMP(1800 c.c.)

氣動幫浦 (1800 c.c.)



■ Application: 10~30 tons.

Hyd. pressure (PSI)	0	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
Oil flow (c.c./min)	1170	970	850	700	600	515	440	370	315	250	195



Model Number	Oil Capacity (c.c.)	Pressure Rating (psi)	Air Pressure Range (kg/cm^2)	Dimensions L*W*H(mm)	Sound Level Test (dba/m)	N.W. (Kgs)	G.W. (Kgs)
H.C.B-B3036	1800	10000	7 ~ 10	310*144*208.5	80	10.2	10.7

H.C.B-C3036

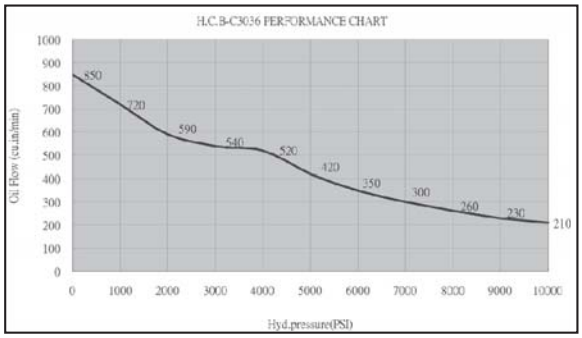
DOUBLE HOSE AIR HYDRAULIC PUMP (3800 c.c.)

雙管幫浦 (3800 c.c.)



■ Oil reservoir capacity: 3800 c.c.

Pressure(psi)	0	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
Oil Flow(c.c./min)	850	720	590	540	520	420	350	300	260	230	210



Item no.	Oil Capacity (c.c.)	Pressure Rating (psi)	Air Pressure Range (kg/cm^2)	Dimensions L*W*H(mm)	Sound Level Test (dba/m)	N.W. (Kgs)	G.W. (Kgs)	Cuft
H.C.B-C3036	3800	10000	7~10	470*147*210	80	11.6	12.6	1

H.C.B-D3036

AIR / HYDRAULIC PUMP (7600 c.c.)

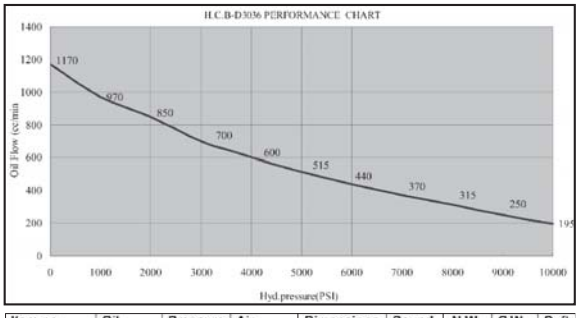
氣動 / 油壓幫浦 (7600 c.c.)

inflow
1/4"-18NPT



outflow
3/8"-18NPT

Pressure(psi)	0	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
Oil Flow(c.c./min)	1170	970	850	700	600	515	440	370	315	250	195



Item no.	Oil Capacity (c.c.)	Pressure Rating (psi)	Air Pressure Range (kg/cm^2)	Dimensions L*W*H(mm)	Sound Level Test (dba/m)	N.W. (Kgs)	G.W. (Kgs)	Cuft
H.C.B-D3036	7600	10000	7~10	352*269*250	80	22	23	1

H.C.B-E3036 AIR / HYDRAULIC FOOT PUMP (2000 c.c.) (WITHOUT HOSE)

氣動 / 油壓幫浦 (2000 c.c.) (不含管)



Intended use:
- For automotive / truck, industrial & construction jobs.
- The added convenience of an air motor reduces pumping time and effort to activate cylinders.

Features
- Designed to utilize exhaust air to help power the pump, requiring only 80 p.s.i. air pressure to develop 10,000 p.s.i. hydraulic pressure.
- Air exhaust muffler for quieter operation.
- Air and oil inlet filters for reduced risk of damage from contamination.
- Designed with durable light weight, corrosion resistant plastics.
- Foot pedal provides hands free pumping and release of load.
- Designed to be used with a single-acting cylinder.
- Internal pressure relief valve for overload protection.
- Equipped with a more durable aluminum reservoir.
- Comes with two different size poppit valves that can be quickly and easily installed. Poppit valves reduce the return flow of oil back to the pump's reservoir providing a safer controlled lowering of load.

MODEL NUMBER	HYDRAULIC PRESSURE RATING (P .S.I)	USABLE OIL CAP- (Cu. In.)	OUTPUT FLOW RATE (Cu.In.Per Min.)		AIR PRESSURE RANGE(P .S.I.)	AIR CONSUMPTION (scfm)	VALVE FUNCTION	SOUND LEVEL (dBA)	THREAD CONNECTIONS		DIMENSIONS (Inches)			WEIGHT (Lbs.)
			No Losd	Load					AIR (NPT)	HYDRAULIC (NPT)	Length	Width	Height	
E3036	10,000	122	80.5	12.8	40-170	24	Advance / Hold Retract	85	.25"-18	.375"-18	12.5	5.75	8	22

H.C.B-F3036 AIR/HYDRAULIC PUMP (WITHOUT HOSE)6.2-6.8 BAR AIR PRESSURE / PUMP230-245 BAR

氣動 / 油壓幫浦 (不含管) 6.2-6.8 BAR AIR PRESSURE / PUMP230-245 BAR



Intended Use:
- For automotive, truck, industrial & construction jobs.
  The added convenience of an air motor reduces pumping time and effort to activate cylinders.

Features:
- Designed to utilize exhaust air to help power the pump, requiring only 80 p.s.i. air pressure to develop 10,000 p.s.i. hydraulic pressure.
- Air exhaust muffler for quieter operation.
- Air and oil inlet filters for reduced risk of damage from contamination.
- Designed with durable light weight, corrosion resistant plastics.
- Foot pedal provides hands free pumping and release of load.
- Designed to be used with a single-acting cylinder.
- Internal pressure relief valve for overload protection.
- Equipped with a more durable aluminum reservoir.
- Comes with two different size poppit valves that can be quickly and easily installed. Poppit valves reduce the return flow of oil back to the pump's reservoir providing a safer controlled lowering of load.

H.C.B-G3036 HIGH PRESSURE MANOMETER (15,000 PSI)

高壓力錶 (15,000 PSI)

- Manometer for H.C.B air pump 3036 series.
- For monitoring hydraulic pressure.
- Maximum detection pressure is 15,000 psi.





H.C.B-A3036 equipped with H.C.B-G3036

H.C.B-A3004 4 TONS PANEL REPAIR KIT

4 噸鈑金組



- Quick “snap together” design for the fast and easy assembly and disassembly.
- Flexible hydraulic hose with spring guards at both ends.
- Rugged & welding construction features its hand pump base, which is made by forging for resisting of oil leakage under collision & denting.
- Components are also made by forging with the best rigidity and strength to ensure never broken during operation with high safety.
- Each components are connected through female connector for easy operation.

H.C.B-A3005 10 TONS TWO SPEEDS DYNAMIC POWER KIT

10 噸雙段油壓鈑金組

1 / 31 / 36 / 2.01'



- Quick “snap together” design for fast and easy assembly and disassembly.
- Flexible hydraulic hose with spring guards at both ends.
- Rugged & welding construction features its hand pump base is made by forging for resisting of oil leakage under collision & denting.
- Components are also made by forging with the best rigidity and strength to ensure never broken during operation with high safety.
- Each component is connected through female connector for easy operation.

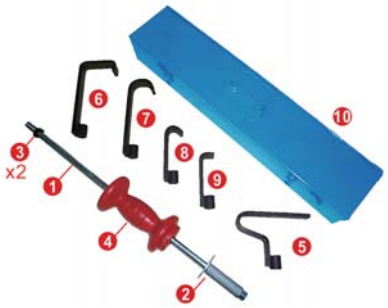
H.C.B-A3006 EXTRA LARGE BODY SHEET SLIDE HAMMER KIT

鈑金滑鎚組 (5 件鋼製爪把)

2 / 16.3 / 24.5 / 1.48'

- Every attachment is made of steel plate and designed against the different angle & position availability.













H.C.B-A3014 10 TONS HYDRAULIC CYLINDER (SPHERE)

10 噸球型壓桿組



NW: 7.5 KGS

H.C.B-A3015 10 TONS MINI HYDRAULIC CYLINDER

10 噸迷你油壓缸

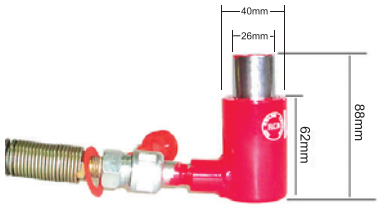
NW: 1.4 KGS



H.C.B-A3020 4 TONS CYLINDER

4 噸迷你油壓缸

30 / 18.3 / 20.5 / 0.67'



H.C.B-A3008 PULL RAMS (5 TONS)

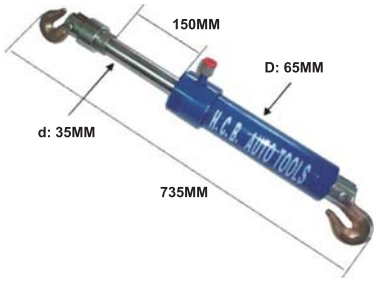
5 噸油壓倒拉千斤頂

NW: 6KGS



H.C.B-A3021 10 TONS PULL RAMS

10 噸倒拉缸



H.C.B-A3007 PULL HOOK KIT

深拉鉤組

2 / 21.5 / 23 / 1.03'



H.C.B-A3009 DOWN PULLY ASSEMBLY

底盤拉鉤

2 / 18.6 / 20 / 0.43'

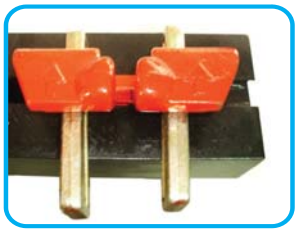


H.C.B-A3010 10 TONS CHAIN FIXING BASE

鏈條錨座 (八卦台用)

6 / 24 / 24.5 / 0.31'





H.C.B-A3011 3 TONS SCISSOR CLAMP

剪型拉夾鉗

10 / 26 / 27 / 0.92'



H.C.B-A3012 AIR SAW

氣動鋸

20 / 13 / 14 / 1'

- Free speed: 9000 RPM
- Cutting size: 1.6 M/M
- Air inlet: 1/4”
- Air consumption: 230 L/ Min
- Length: 9-1/4” (235 M/M)
- Weight: 2.2 LBS (1 KG)



H.C.B-B3012 AIR SAW

氣動鋸



H.C.B-A3012-1 AIR SAW BLADE

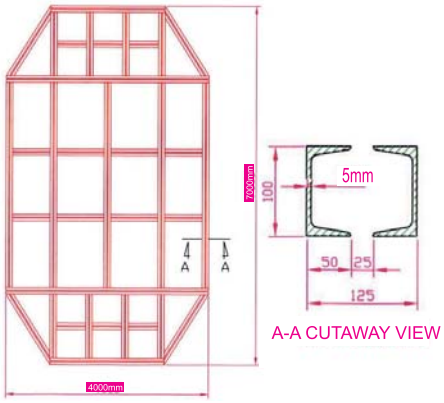
氣動鋸片



H.C.B-A3022 THE SYSTEM OF BODY REPAIR EQUIPMENT (FOR ONE CAR)

鈑金八卦台 (一台份)

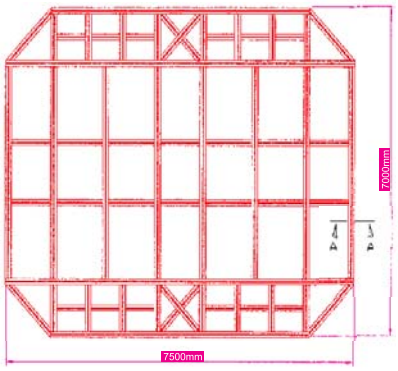


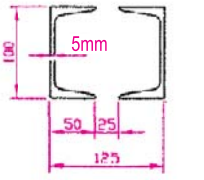


A-A CUTAWAY VIEW

H.C.B-A3023 THE SYSTEM OF BODY REPAIR EQUIPMENT (FOR TWO CARS)

鈑金八卦台 (二台份)





A-A CUTAWAY VIEW

H.C.B-A3031 CLAMP ANCHOR BASE

油壓桿撐頭

- Use with 5/16” and 3/8” chains.
- Install on the top of H.C.B-A3001-2.



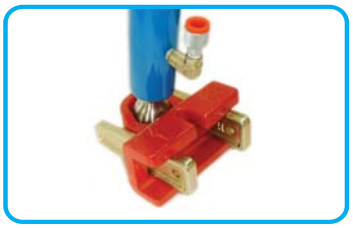


H.C.B-A3032 BALL PIVOT

油壓桿支轉頭

- Combined with H.C.B-A3001-2 and H.C.B-A3003.





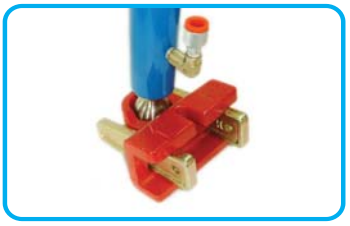
H.C.B-A3033 BALL PIVOT BASE

支轉頭錨座

5 / 24.5 / 25 / 0.38'

- Applicable chain: 5/16", 3/8".
- Include two pins to fix the stander.
- The base of H.C.B-A3032.





H.C.B-A3029 ADJUSTABLE EXTENSION BAR

調整型接桿



NW: 3.3KGS

H.C.B-A3030 ADJUSTABLE EXTENSION BAR

調整型接桿



NW: 5.4KGS

H.C.B-A3034 STAND AUTO WELDER

自動送料電焊機

- Single phase, robust and high efficiency.
- Easy to use.





- Specification:

Main voltage	Phase	Power	Power Adjustment	Max. Welding Current	Duty cycle	Weight	Dimension (mm)
220V	1PH	5.5KVA	6 Steps	190A	165A 70%	49 kgs	780 x 345 x 450

H.C.B-A3035 PORTABLE AUTO WELDER

迷你型鈑金機

- Single phase, robust and high efficiency.
- Easy to use.
- Accessories:
  Slide hammer x 1
  Electrode for washer x 1
  Carbon rod x 1
  Round electrode x 1
  Washer x 20
  Trolley x 1 ----- optional



- Specification:

Main voltage	Phase	Power	Power Adjustment	Max. Welding Current	Weight	Dimension (mm)
220V	1PH	12KVA	Micro-adjustment	3000A	25 kgs	405 x 205 x 205

H.C.B-A3037-A ARCH ANCHOR BASE

弧度錨頭

- Application: All kinds of automobiles.
- To fix the door by using hydraulic cylinder with arch anchor base attached.
- It is convenient and easy to correct the damaged door frame, out of shape at arch anchor position.
- Accurate, easy to use, save time and money.
- Your best choice for panel repair.







H.C.B-A3037-B ANGLE ANCHOR BASE

角度錨頭

- Application: All kinds of automobiles.
- To fix the door by using hydraulic cylinder with angel anchor base attached.
- It is convenient and easy to correct the damaged door frame, out of shape at 90° position.
- Accurate, easy to use, save time and money.
- Your best choice for panel repair.



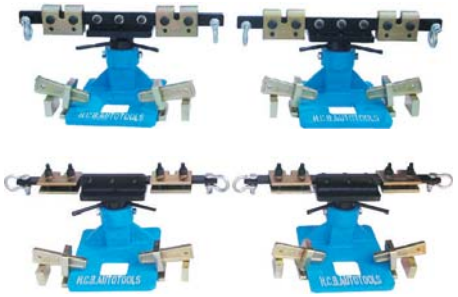




H.C.B-A3038 UNIVERSAL BASE FRAME CLAMP KIT

萬能車底固定夾具組

- Base frame clamp set x 4 sets
- Fixed base x 4 pcs
- Locking pin x 8 pcs
- Accessory x 16 pcs
- Use the two clamps to hold and retain the car.
- The puller and clamps are adjustable. The range for fitting the place is changeable. The height of base frame is adjustable according to the cars in order to perform the maintenance.



H.C.B-A3039 HYDRAULIC PLIERS

油壓撐開鉗

- Using with air pump.
- When the panel shapeless, the emergency solution is to enlarge the damaged part.





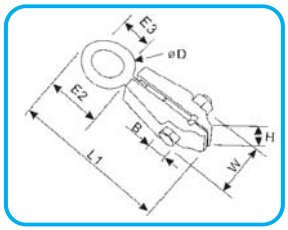
H.C.B-A3024 SMALL MOUTH PULL CLAMP (5 TONS)

窄型張引夾 (5 噸)

15 / 28 / 29 / 0.97'

- Capacity: 5 tons
- Bolt size: 16 mm Ø × 70 mm (L)
- Single-way pull operation





L1	W	H	E2	E3	B (bolt)	D (dia.)
210 mm	40 mm	44 mm	73 mm	41 mm	17 x 92 mm	13 mm

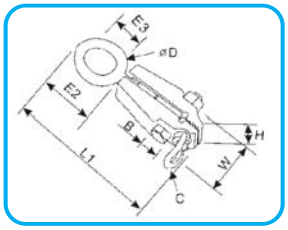
H.C.B-A3025 SMALL MOUTH PULL CLAMP (TWO-WAY)

窄型張引夾 (雙向)

10 / 11 / 12 / 0.39'

- Capacity: 5 tons (Straight way) and 2 tons (cross way)
- Bolt size: Ø16 mm × 70 mm (L)
- Two-way pull operation.





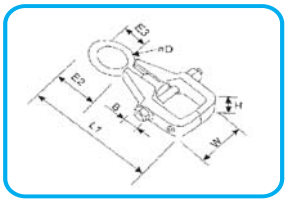
L1	W	H	E2	E3	B (bolt)	D (dia.)	C (L x W x H)	Weight (kg)
210 mm	40 mm	44 mm	73 mm	41 mm	17 x 92 mm	13 mm	50x60x11mm	2.12kg

H.C.B-A3026 BOX CLAMP (3 TONS)

寬型張引夾 (大小邊、3 噸)

12 / 25 / 26 / 1'





- Capacity: 3 tons
- Single-way pull operation
- Both sides' jaws are different in order to fit the confined room.
- Bolt size: Ø14 mm × 130 mm (L)

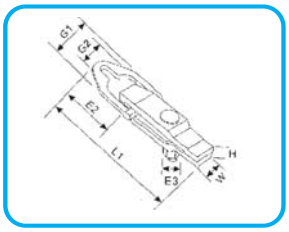
L	W	H	E2	E3	Fixing Bolt	D(dia)
225 mm	84 mm	37 mm	75 mm	41 mm	14 mm x 130 mm	13 mm

H.C.B-A3027 LONG NOSE CLAMP (2 TONS)

扁嘴型張引夾 (2 噸)

6 / 10 / 11 / 0.48'





- Capacity: 2 tons
- Bolt size: Ø14 mm × 73 mm (L)
- Single-way pull operation
- The flat design is specialize for the confined room.

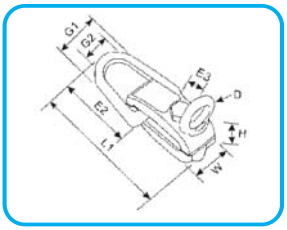
L	W	H	E2	E3(Bolt)	G1	G2
225 mm	32 mm	25 mm	115 mm	14 mm x 90 mm	66 mm	11 mm

H.C.B-A3028 MINI CLAMP (TWO-WAY)

迷你型張引夾 (雙向)

20 / 20 / 21 / 0.58'





- Capacity: 3 tons (Straight way) and 2 tons (cross way).
- Bolt size: Ø14 mm × 45 mm (L)
- Two-way pull operation.
- Special mini design is good to use in narrow and small space.

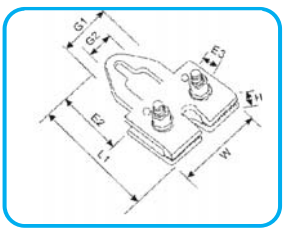
L1	W	H	E2	E3 (bolt)	G1	G2	D (L x W x H)
150 mm	37 mm	44 mm	84 mm	12 mm x 53 mm	62 mm	30 mm	41 mm x 9 mm

H.C.B-A3042 FRAME RACK CLAMP (5 TONS)

寬齒型張引夾 (5 噸)

6 / 16 / 17 / 0.67'





- SCM 440
- Capacity: 5 tons
- One-way pull operation.
- Serrate Length: 120 mm
- To use with plate makes it hard to be broken.
- Bolt size: Ø14 mm x 73 mm (L)

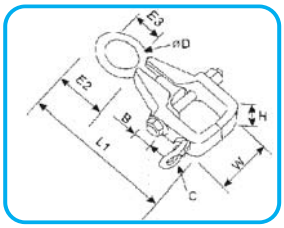
L1	W	H	E2	E3 (bolt)	G1	G2
180 mm	120 mm	35 mm	80 mm	17 mm x 88 mm	L77 mm	11 mm

H.C.B-A3043 BOX CLAMP (TWO-WAY)

寬型張引夾 (雙向)

5 / 11 / 12 / 0.46'





- Two- way pull operation.
- Two different jaws to fit the confined room.
- Capacity: Straight 3 tons
  Cross 2 tons
- Bolt Size: Ø14 mm x 110 mm (L)

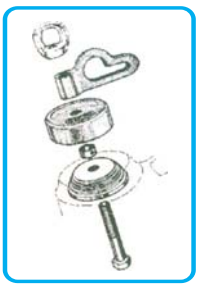
L1	W	H	E2	E3	B (bolt)	D (dia.)	C (L x W x H)
225 mm	84 mm	37 mm	75 mm	41mm	14 mm X 130 mm	13 mm	50 x 60 x 11 mm

H.C.B-A3040 STRUT PULLER KIT

避震器座拉引器

6 / 23.5 / 24 / 0.4'





- Overall length: 5".
- Capacity: 3 tons
- Easy, fast, reliable method for pulling strut towers.
- Develop for struting towers without bolts, and correcting chassis dimensions to factory specifications. Strut tower removal is necessary.

H.C.B-A3041 ANCHOR POT

地雷 (八卦台)



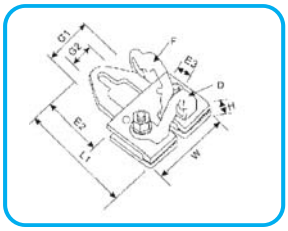


H.C.B-A3044 FRAME RACK CLAMP (MULTI-WAY)

寬齒型張引夾 (多方向)

6 / 21.5 / 22.5 / 1.24'





- Capacity: 5 tons (Straight way)
  3 tons (Cross way)
  3 tons (Multi-way)
- This puller is made from steel. It's hard to be broken.
- Bolt size: Ø 14 mm x 73 mm (L).

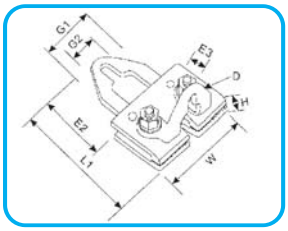
L1	W	H	E2	E3 (bolt)	G1	G2	D (L x W x H)	F (L x W x H)
180 mm	120 mm	35 mm	80 mm	17 mm x 88 mm	L77 mm	11 mm	77 x 100 x 10 mm	120 x 150 x 13 mm

H.C.B-A3045 FRAME RACK CLAMP (TWO-WAY)

寬齒型張引夾 (雙向)

6 / 18.5 / 19.5 / 1.04'





- Capacity: 5 tons (Straight way)
  3 tons (Cross way)
- This puller is made from steel. It's hard to be broken.
- Bolt size: Ø 14 mm x 73 mm (L).

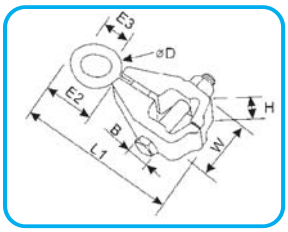
L1	W	H	E2	E3 (bolt)	G1	G2	D (L x W x H)
180 mm	120 mm	35 mm	80 mm	17 mm x 88 mm	L77 mm	11 mm	77 x 100 x 10 mm

H.C.B-A3046 HEAVY DUTY CLAMP

重型張引夾

6 / 18.5 / 19.5 / 0.6'





- Capacity: 5 tons
- For single-way pull operation.
- Special for exert pull.
- Bolt size: Ø 20 mm x 130 mm (L).

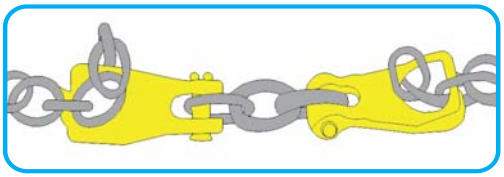
L1	W	H	E2	E3	B (bolt)
227 mm	100 mm	46 mm	75 mm	41 mm	19 mm x 153 mm L

H.C.B-A3047 CHAIN JOINT (DOUBLE GAP HOOKS)

雙勾型鍊條連接器 (間隙式)

10 / 12 / 13 / 0.3'





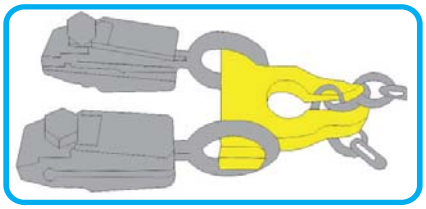
- Capacity: 6 tons
- To shorten or connect the chain.
- To work with 5/16" and 3/8" chains.

H.C.B-A3048 CHAIN JOINT

鍊條轉換器

10 / 10.5 / 11.5 / 0.21'





- Capacity: 6 tons
- To shorten or connect the chain.
- To work with 5/16" and 3/8" chains.
- To help two chains stay on the same level instead of twisted.

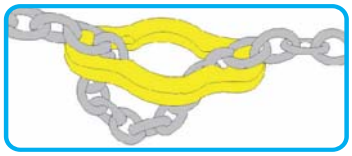
H.C.B-A3049 HANDY LINK

扁型鍊條連接器

10 / 6.5 / 7.5 / 0.17'

- Capacity: 6 tons
- To shorten and connect chains. It also connects with hooks.





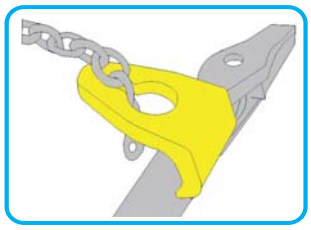
H.C.B-A3050 CHAIN HANDY HOOK

手掌型拉鉤

12 / 12.5 / 13.5 / 0.36'

- To pull and fix the hook into the indentation.





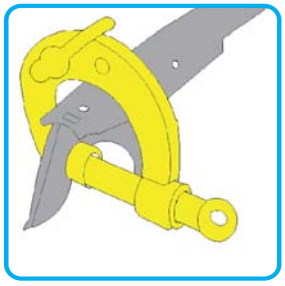
H.C.B-A3051 3" C TYPE CLAMP

3" C 型張引夾

6 / 18.5 / 19.5 / 1.54'

- Capacity: 4 tons
- Multi-way pull operation.
- Throat opening: 3"
- Small C-shaped for getting deeper into panel.





H.C.B-A3052 6" C TYPE CLAMP

6" C 型張引夾

4 / 19 / 20 / 1.6'

- Capacity: 5 tons
- Multi-way pull operation.
- Throat opening: 6"
- Large C-shaped for getting deeper into panel.



H.C.B-A3013 3 TONS MULTI-HOLE PULL PLATES

拖拉板

20 / 26.8 / 27.8 / 0.53'



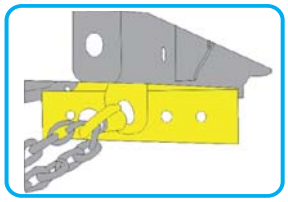
H.C.B-A3053 LATERAL PULL PLATE

橫向拖拉板

10 / 18.5 / 19.5 / 0.47'

- Applicable chain: 5/16", 3/8"
- Fixed on the car to pull sidelong-line.





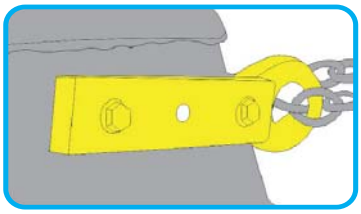
H.C.B-A3054 UNIBODY CLAMP

車板夾

6 / 11.5 / 15.5 / 0.34'

- For single-way pulling operation.
- If the damage is in the middle of car, it must be repaired by this clamp.





H.C.B-A3055 CHAIN JOINT (DOUBLE GRAB HOOKS)

雙勾型鍊條連接器 (掛勾式)

10 / 12 / 13 / 0.3'

- Capacity: 6 tons
- For shorten or connect the chain.
- To work with 5/16" and 3/8" chains.chains.



H.C.B-A3056 CHAIN JOINT (GAP & GRAB HOOKS ASSEMBLY)

雙勾型鍊條連接器 (掛勾 & 間隙勾)



H.C.B-A3057 TIGHT OPENING CLAMP (3 TONS)

立式張引夾 (3 TONS)

- Gripping surface: 1½" wide (38 mm), ½" deep (13 mm)
- Overall length: 6½" (165 mm)
- Capacity: 3 tons



H.C.B-A3058 CORNER CLAMP

張引夾

- Drop forged Chrome Molybdenum alloy steel for maximum strength.
- Eliminate the need to use two separate clamps and will be able to get into confined areas.
- To be used with slide hammer.



H.C.B-A3059 CORNER CLAMP

張引夾

- Drop forged Chrome Molybdenum alloy steel for maximum strength.
- Eliminate the need to use two separate clamps and will be able to get into confined areas.



H.C.B-A3061 DOOR FRAME PULLER (810-1000 mm)

車身門框撐開器 (810-1000 mm)

- Extension length: 810-1000 mm.
- Both sides have one clamp attached.
- Application:
  When the door frame, engine, space or truck gets hit, this puller can hold one holding position with two clamps to fix the angle and increase holding coverage.



H.C.B-B3061 DOOR FRAME PULLER (1080-1600 mm)

車身門框撐開器 (1080-1600 mm)



- Extension length:1080-1600 mm.
- Both sides have one clamp attached.
- Application:
  When the door frame, engine, space or truck gets hit, this puller can hold one holding position with two clamps to fix the angle and increase holding coverage.

H.C.B-A3060 CLEVIS SHORTENING CLUTCH (2 TONS)

U 型夾短掛勾 (2 噸)

H.C.B-B3060 CLEVIS SHORTENING CLUTCH (3.2 TONS)

U 型夾短掛勾 (3.2 噸)

H.C.B-A3060
CLEVIS SHORTENING CLUTCH (2 TONS)



H.C.B-B3060
CLEVIS SHORTENING CLUTCH (3.2 TONS)



H.C.B-A3060

- This clutch secures the chain link in place to reduce the risk of chain deformation due to its design.
- Hooks are designed for using with Grade 80 alloy chain.
- The hook is not easy to loosen chain due to its feature.
- To shorten or grapple the long chain.
- Pass the chain through the groove to prevent from disengaging.
- The design of the clevis opening is to match the right chain size which can prevent from using the wrong chain, and to save the connecting link for alloy chain.
- Capacity, PASAK and WLL are embossed on the products.
- Construction: Heat treatment and high temperature treatment (Quenched and Tempered)
- Safety Factor: 4 : 1

Item No.	W.L.L.	Size	
	Ton	mm	inch
A3060	2.0	7-8	5 /16"
B3060	3.2	10	3 / 8"

H.C.B-B3060

- There is no need for component connector owing to the special design of this clevis.
- This clutch secures the chain link in place reducing the risk of chain deformation due to its design.
- Hooks are designed for using with Grade 80 alloy chain.
- The hook is not easy to loosen chain due to its feature.
- To shorten or grapple the long chain.
- Pass the chain through the groove to prevent from disengaging.
- The design of the clevis opening is to match the right chain size which can prevent from using the wrong chain, and to save the connecting link for alloy chain.
- Capacity, PASAK and WLL are embossed on the products.
- Materia: High Tensile Forged Alloy Steel
- Construction: Heat treatment and high temperature treatment (Quenched and Tempered)
- Safety Factor: 4 : 1

H.C.B-A3062 HANDLE PULLER

手把型拉器

- Designed to repair the car body.
- Able to repair cavities.
- Removing dents metal plating body.
- It works with most available on the market spotters bodywork.



H.C.B-A3063 AUTO BODY REPAIR KIT (7 PCS)

鈑金鎚組 (7 PCS)

- This kit includes 4 dollies, 3 hammers.
- Standard hammer, pick/finishing hammer and light shrinking hammer.
- Utility/ curved/ heel & toe dolly.
- Polished mirror finish.



H.C.B-A3065 NEW MANUAL OPERATION DENT PULLER KIT(10 PCS GLUE PADS)

旋鈕式手動鈑金凹陷拉平工具

- Idea for repair the vehicle body small damage.
- Aluminum body and adjustable bracket with plastic protect for high quality & long life.
- With 10 pcs Glue Pads.



H.C.B-A3066 NEW SLIDING HAMMER - MINI TYPE (10 PCS GLUE PADS)

手動鈑金凹陷拉平復原工具

- With 0.95Lbs (0.43Kgs)sliding hammer.
- Ideal for reducting small dent and dings.
- Include 10 pcs assorted glue pads. Suitable for a veriety of different dent shapes and size.



H.C.B-A2331 NEW HEAVY DUTY AIR HYDRAULIC RIVET TOOL

重型氣動油壓拉釘工具

- Pneumatic / hydraulic
- Suitable for stainless steel rivets up to 6.4 mm
- Professional riveting, suitable for continuous operation with rivets of up to 6.4mm made of steel, stainless steel, aluminium and copper
- Interchangable 5 Standard Nosepieces with Size Mark: 3.2 mm, 4.0 mm, 4.8 mm, 6.0 mm, 6.4 mm.
- Thread size of nose pieces: M10 x 1.25
- Total stroke: 15.8 mm or 0.62".
- High tractive power: 14,700 N or 3,300 lbf .
- Noise Silencer Design
- With rivet and nose piece template on the underside of the rivet gun
- Storage of the different nose pieces on the underside of the rivet gun
- Top up simple oil using special design of the rivet gun
- Includes maintenance set for oil control (oil-supported pressure build-up)
- Air requirement: 2.64 l/stroke
- Air connection inlet (from the compressor): Inside thread (IG) 12.91 mm (1/4″)
- Air inlet thread : Inside thread (IG) 12.91 mm (1/4″)
- Coupler plug : nominal size 7.2 (included)
- Hose diameter (recommended) : 10 mm
- Working pressure (bar) : 6.3 bar



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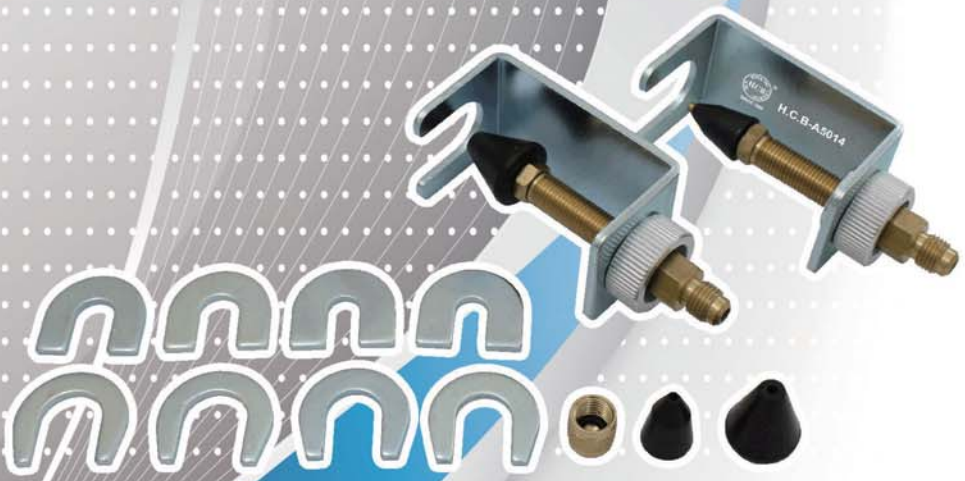
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HWANG CHERNG BIN

Specialty Tools Inc.

冷氣修護工具

AIR CONDITIONING REPAIR TOOL







H.C.B-A5001 R-12 MANIFOLD GAUGE KIT

R-12 冷媒高低壓量錶組 (台製)(5 尺)



H.C.B-A5002 R-134A MANIFOLD GAUGE KIT

R-134A 冷媒高低壓量錶組



H.C.B-A5003 AUTO A/C SWIVEL ADAPTERS KIT

冷媒快速接頭

- Adaptor: 1/4” x 1/4”, 1/4” x 3/16”, 1/4” x 1/8”.
- Hose: 1/4” x 3/16” , 1/4” x 1/8”
- Also GM R4 & A6, HR-6, DA-6 & V5 A/C compressors and compressors of sedan SD505, 507, 508, 510, 575, 708 and 709.
- 2 &3 hole puller plate fits the most clutches, the mechanical force does the pulling job.



H.C.B-A5004 R-134A LOW & HIGH PRESSURE QUICK COUPLING

冷媒高低壓快拆接頭 R-134A 用 (附接頭)



H.C.B-A5005-EA A/C TESTING TOOL KIT (EUROPEAN & AMERICAN)

冷氣測漏工具組 (歐美系)

- Various adaptor for testing leakage on each parts of air condition system.
- This tool is designed for testing drier, expansion valve, compressor, air condenser, and evaporator ....., etc.
- Application: European & American car.



H.C.B-A5005-JP A/C TESTING TOOL KIT (JAPANESE)

冷氣測漏工具組 (日系綜合)

- Various adaptor for testing leakage on each parts of air condition system.
- This tool is designed for testing drier, expansion valve, compressor, air condenser, and evaporator ....., etc.
- Application: All Japanese car.



H.C.B-A5005-GE A/C TESTING TOOL KIT (GENERAL)

冷氣測漏工具組 (一般)

- Various adaptor for testing leakage on each parts of air condition system.
- This tool is designed for testing drier, expansion valve, compressor, air condenser, and evaporator etc.…
- Application: VW/AUDI, NISSAN-MARCH, GM, VOLVO, TOYOTA, HONDA ....., etc.



H.C.B-A5006 FLARING TOOL

銅管擴張器

- To flare or swage soft copper or aluminum tube.



H.C.B-B5006 NEW 45° FLARING AND CUTTERING KIT

45° 銅管切擴器

- A single clamp screw allows easy clamping and removal of tubing.
- Flares: 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 5/8" O.D. & Tube Cutter: 1/8" to 1-1/8" O.D. TUBING & 5pcs Adapters: 3/16", 1/4", 5/16", 3/8", 1/2"



H.C.B-A5008 COMPRESSOR BEARING EXTRACTION/ INSTALLATION TOOL KIT

壓縮機培林拆裝組



Removal and installation

Select the correct tool to remove the clutch hub.
According to removal steps as follows:

- **Clutch hub removal**
  1. Remove clutch retaining ring or nut.
  2. Attach the tool to end plate by threading the outer nut of the tool into the center hole of the clutch end plate. (Nut type remover)
  2-1. Attach the disk to end plate by threading the screws into the holes of the clutch end plate.(Disk type remover)
  3. Tighten the inner tool arbor against the end of the compressor shaft to lift the plate. (Nut type remover)
  3-1. Attach the push rod to the disk. Tighten the push rod against the end of the compressor shaft to lift the plate. (Disk type remover)

- **Clutch hub removal**
  1. Position the shaft key in place.
  2. Slide the clutch hub onto the shaft of the compressor.
  3. Take the button out the outer nut. Insert the bearing into the cylindrical end of outer nut.
  4. Put the outer nut with bearing into the hole of the clutch end plate by cylindrical end.
  5. Thread the inner part of the tool onto the shaft. Tighten the outer nut of the tool to push the clutch end plate back.
  6. Set the air gap. Add or remove shims to obtain the MFG, specifications. Always set at the minimum number and measure at multiple points around the circumference.
  7. Reinstall the retain ring or nut.

H.C.B-A5007 CHARGING CYLINDER

冷媒定量筒

- Make charging fast and accurate to save your time and money.
- Using a charging cylinder eliminates under and over-charging which reduces additional service.
- It has a precision gauge and a clearly calibrate that you could charging more quickly and correctly.
- For use both on R-134a and R-12 system.
- Capacity: 3200 g (7LB).



NW: 4.5KGS

H.C.B-A5010 A/C COMPRESSOR CLUTCH REMOVER (DOUBLE HEAD THREADS)

壓縮機離合器拆卸器 (雙頭牙)

- To remove the plate of clutch.
- Application: most of American cars



H.C.B-A5012 UNIVERSAL VALVE CORE REMOVAL/ INSTALLATION TOOL KIT

冷媒氣嘴拆裝工具組



- This master tool kit allows you to service valve cores without losing the systems charge.
- The new unique design offers a locking device that holds the shaft in place while removing or installing the valve core.
  The remover/installer kit makes removal or insertion much easier especially on the larger R134a valve cores.
- Saves time and money.
- This new kit is an innovative tool saving time and money.
- This kit allows the user to change the service port valve core while the system is charged. The unique design cuts the usual 1/2-hour procedure time down to about 3 minutes.
- Kit covers all R12 & R134a system valve cores.

H.C.B-A5013 UNIVERSAL FLARING TOOL

銅管擴張器

- The universal tool is capable of producing all SAE and DIN flares as well as the special flares used by CITROEN and ROLLS-ROYCE. Vice mounted, with nothing to set or adjust, pipe positioning is automatic and there is a fail-safe method for locating the unique hardened wedge-shaped clamps. Different part numbers are used to determine the punch and clamp sets supplied with each tool. All sizes are available from 3/16" (4.75 mm) to 1/2" (12 mm) including 3.5mm, 4.5mm and 6.35mm for Citroen and Rolls-Royce.



H.C.B-A5014 NEW UNIVERSAL FLUSHING ADAPTER KIT

通用型冷氣清洗測漏接頭組

- This kit is designed to isolate A/C system components for closed loop flushing on car, hence there is no need of removing components from the vehicle.
- The adapters can be installed on most A/C line ends (from 1/4" to 7/8") to allow attachment of the flushing apparatus being used.
- This kit contents 2 clamps with gaskets 3/8", 1/2", 5/8", 3/4" / each 2PCS.







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機械五金類

MACHINERY&HARDWARE









H.C.B-A6001 HYDRAULIC ELEVATOR CART (300 KGS)

油壓升降推車 (300 KGS)

Model	Capacity	Max Height	Min Height
H.C.B-A6001	300 KGS(135.9 LBS)	882 mm	267 mm

Table Size	Net Weight	Handle	Wheel
800 mm x 500 mm	71.2 KGS	Fix type	5.4 Inch





H.C.B-B6001 NEW HYDRAULIC ELEVATOR CART (800 KGS)

油壓升降推車 (800 KGS)

Model	Capacity	Max Height	Min Height
H.C.B-B6001	800 KGS(1763.7 LBS)	920 mm	370 mm

Table Size	Net Weight	Handle	Wheel
1010 mm x 520 mm	107 KGS	Fix type	5.4 Inch



H.C.B-A6002 ELECTRIC CABLE RACK (HYDRAULIC)

電纜放線架 (油壓式)



H.C.B-A6004 DISPLAY SHELF(L: 945 W: 490 H: 2100 mm)

展示架 (L: 945 mm W: 490 mm H: 2100 mm)

1 / 42 / 43.5 / 3.6'

- This tool is designed to draw the customer's attention and communicate the main features of the products belonging to the product range.
- Easy to assemble & disassemble.
- The displays are equipped with adjustable shelves with raised frontal part to comfortably support our kits.
- Size: L: 945 mm x W: 490 mm x H: 2100 mm.
- Works with H.C.B-A1051-3.



H.C.B-A6006 MAGNETIC STAND W/GAUGE

磁性座含錶

- This high quality base has a very strong magnet that is easily activated with a convenient switch and can attach to flat or round surfaces up to 45 lbs. of magnetic pull to keep work in perfect alignment.
- Product dimensions: 10.8" x 4.1" x 2.8"
- Polished chrome control arm, infinitely adjustable for exact alignment.
- Travel dial indicator from 0.0" to 1.0", gations of 0.001"
- Includes 9-1/2"H base with 6-1/2" control arm, dial indicator gauge and custom-fit protective case.
- **VOLVO OEM no. ref.**: 9989876/ 999696



H.C.B-A6007 TAP & DIE TOOL KIT (MM) - 51 PCS

螺絲攻及螺模座 (MM) - 51 PCS

- Manufactured from alloy steel and with split dies, this set is aimed at the professional user. Automatic center punch, sliding T-bar tap wrench for extra leverage, screw extractors, die holder, adjustable tap area plus M6 to M24 tap and dies: M6 x 0.75/1.
- Specifications:

20 PCS Taps
M6 × 0.75, M6 × 1.0, M8 × 1.0, M8 × 1.25, M10 × 1.25, M10 × 1.5, M12 × 1.5, M12 × 1.75
14 PCS 38 mm OD Dies
M6 × 0.75, M6 × 1.0, M8 × 1.0, M8 × 1.25, M10 × 1.25, M10 × 1.5, M12 × 1.5, M12 × 1.75, M14 × 1.5, M14 × 2.0, M16 × 1.5, M16 × 2.0, M18 × 1.5, M18 × 2.5
6 PCS 50 mm OD Dies
M20 × 1.5, M20 × 2.5, M22 × 1.5, M22 × 2.5, M24 × 1.5, M24 × 3.0
5 Screw Extractors
No# 1, 2, 3, 4, 5
1 x Center Punch, 1 x Tap Wrench, 1 x "T" Type Tap Wrench, 2 x 50 mm Diamater Die Stock With (38 mm) Adatpor, 1 x Screw Driver.



H.C.B-A8001 MULTI-FUNCTION PNEUMATIC/HYDRAULIC ENGINE LIFT PAT.M 430377

多功能剪型氣 / 油壓引擎拆卸設備

- This is the best extracting tool for all kinds of transmission and engine. It can afford both weights of engine and transmission at the same time.
- Seven support frames on platform are adjustable depend on the size of transmissions or engines. It also increases the safety and stability.
- Four swivel caster wheels and pull rod design makes this equipment easy to move.
- Scissor structure.
- Power source: Dual-use design- hydraulic control and manual control.
- Capacity: 1.5 tons.
- Stroke: 1250 mm.
- Min height: 400 mm.
- Max Height: 1650 mm.





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HWANG CHERNG BIN
Specialty Tools Inc.

氣動工具

AIR POWER TOOL



1085Nm



H.C.B-B2005 1/2" AIR IMPACT WRENCH

1/2" 氣動扳手 (下排式)



- Specification / 規格 :
  Square drive(方榫)----------1/2"
  Free Speed (轉速)----------6800 RPM
  Max. Torque (最大扭力)----800 ft-lbs
  Overall length (全長)--------190 mm
  Weight (重量)----------1.9 kgs

H.C.B-B2005-1 1/2" AIR IMPACT WRENCH (WITH 10 PCS SOCKET)

1/2" 氣動扳手 (下排式 , 含套筒)



- Specification of air ratchet wrench / 氣動扳手規格 :
  Square drive(方榫)----------1/2"
  Free Speed (轉速)----------6800 RPM
  Max. Torque (最大扭力)----800 ft-lbs
  Overall length (全長)--------190 mm
  Weight (重量)----------1.9 kgs

- Specification of socket / 套筒尺寸 :
  1: 27 mm 6: 17 mm
  2: 24 mm 7: 14 mm
  3: 22 mm 8: 13 mm
  4: 21 mm 9: 12 mm
  5: 19 mm 10: 10 mm
- N.W. / 淨重 : 4.22 KGS

H.C.B-B2025 3/8" AIR MINI RATCHET WRENCH

3/8" 氣動棘輪扳手



- The tool is constructed of the best light material including a sturdy noise cap, handy power regulator and control trigger. All fit your fingertips.
- 本工具以輕量化材質製造，包含堅固的接榫、靈敏的調節閥和開關控制器。完全適合您使用。
- Specification / 規格 :
  Square drive / (方榫)----------3/8"
  Free speed (轉速)----------240 RPM
  Max torque (最大扭力)----------18 ft-lbs
  Air inlet (進氣口規格)----------1/4" NPT
  Air pressure bar(空壓)----------90 psi
  Air consumption(耗氣量)---------3 CFM
  Weight (重量)----------1.24 lbs (0.56 kgs)
  Overall length (總長)----------7"

H.C.B-A2034

1/4" 90º AIR STUBBY AIR RATCHET WRENCH

1/4" 90°氣動扳手



■ Specification / 規格：
Square drive(方榫)----------1/4"
Free speed (轉速)----------240 RPM
Max. Torque (最大扭力)------18 ft-lbs
Air inlet (進氣口規格)---------1/4" NPT
Air pressure bar (空壓)-------90 psi
Air consumption (耗氣量)----3 CFM
Weight (重量)----------1.1 lbs (0.55 kgs)
Overall length (全長)----------6 - 5/16"

H.C.B-A2046

1/2" 90º STUBBY AIR RATCHET WRENCH

1/2" 90。氣動扳手



■ Specification / 規格：
Square drive (方榫)----------1/2"
Free speed (轉速)----------150 RPM
Max. Torque (最大扭力)------60 ft-lbs
Air inlet (進氣口規格)----------1/4" NPT
Weight (重量)----------2.86 lbs (1.3 kgs)
Overall length (全長)----------10" (254 mm)

H.C.B-A2047

AIR DIE GRINDER

氣動刻模機



H.C.B-A2048

16 PCS AIR DIE GRINDER KIT

氣動刻模機組 (16 PCS)



H.C.B-A2139

1/2" MINI IMPACT WRENCH

1/2" 輕型氣動扳手

■ Specification / 規格：
Square drive (方榫)----------1/2"
Bolt size (螺栓能力)----------14 mm
Free speed (轉速)----------12500 RPM
Max. Torque (最大扭力)-----300 ft-lbs
Overall length (全長)---------145 mm
Air inlet (進氣口規格)--------1/4" NPT
Hose size (風管規格)-------- 3/8"
Weight (重量)----------1.5 kgs



Item	SQ.	Bolt Size	Speed	Torque	Length
H.C.B-A2139	1/2″	14 mm	12500	300 ft/ib	145 mm

Item	Inlet	Hose	CFM	L/Min	Weight
H.C.B-A2139	1/4″	3/8″	3	85	1.50 kg

H.C.B-A2173 1/2"90° AIR RATCHET WRENCH

1/2" 90° 氣動棘輪扳手

■ Specification / 規格：
Square drive (方榫)----------1/2"
Free speed (轉速)----------160 RPM
Max. torque (最大扭力)----------55 ft-lbs (7.6 kg-m)
Air inlet (進氣口規格)----------1/4" NPT
Air consumption (耗氣量)----------3 CFM (L/min)
Overall length (全長)----------9-3/8" (238 mm)
Weight (重量)----------2.52 lbs (1.14 kgs)



H.C.B-A2200 3/4" IMPACT WRENCH

3/4" 氣動扳手

■ Specification / 規格：
Square drive (方榫)----------3/4" (19 mm)
Free speed (無載轉速)----------5,000 RPM
Max. torque (最大扭力)----------1250 ft-lbs (1695 Nm) / 1695 牛頓 · 米
Bolt size (螺栓能力)----------1-1/4" (32 mm)
Net weight (淨重)----------9.6 lbs (4.3 kgs)
Overall length (全長)----------8.5" (217 mm)
Avg. Air consumption (平均耗氣量)------3 CFM (L/min)
Air inlet (進氣口規格)----------3/8" NPT
Air pressure bar (空壓)----------90 psi (6.3 kg/cm2)
Sound level (音壓)----------96 dBA



H.C.B-A2285 1/2" MINI COMPOSITE IMPACT WRENCH (JAMBO HAMMER)

4 分塑膠手柄迷你單環捶打式衝擊扳手

■ Specification / 規格：
Free speed (轉速)----------9,500 RPM
Max. torque (最大扭力)----------500 呎 - 磅 (ft-lbs), 678 Nm
Net weight (淨重)----------1.15 kg
Overall length (全長)----------112 mm
Air inlet (進氣口規格)----------1/4"
Hose size (風管規格)----------3/8"



H.C.B-A2286 1/2" COMPOSITE IMPACT WRENCH (TWIN HAMMER)

4 分塑膠手柄雙環捶打式衝擊扳手

■ Specification / 規格：
Free speed (轉速)----------7,300 RPM
Max. torque (最大扭力)----------800 呎 - 磅 (ft-lbs), 1,085 Nm
Net weight (淨重)----------2.0 kg
Overall length (總長)----------175 mm
Air inlet (進氣口規格)----------1/4"
Hose size (風管規格)----------3/8"



H.C.B-B2286 — 3/8" COMPOSITE IMPACT WRENCH (TWIN HAMMER) 475 NM

3 分塑膠手柄雙環捶打式衝擊扳手 (扭力 475 牛頓米)



■ Specification / 規格 :

Free speed (轉速)----------10,500 RPM
Max. torque (最大扭力)----------450 呎 - 磅 (ft-lbs), 610 Nm
Net weight (淨重)----------1.29 kg
Overall length (全長)----------150 mm
Air inlet (進氣口規格)----------1/4"
Hose size (風管規格)----------3/8"

H.C.B-A2287 — 3/4" COMPOSITE IMPACT WRENCH (TWIN HAMMER)

6 分塑膠手柄雙環捶打式衝擊扳手



■ Specification / 規格 :

Free speed (轉速)----------7,300 RPM
Max. torque (最大扭力)----------1,400 呎 - 磅 (ft-lbs), 1,898 Nm
Net weight (淨重)----------3.3 kg
Overall length (全長)----------202 mm
Air inlet (進氣口規格)----------3/8”
Hose size (風管規格)----------1/2”

H.C.B-B2200 — 3/4" ALUMINUM HOUSING IMPACT WRENCH

3/4” 鋁合金氣動扳手



■ Specification:

Free speed (轉速)----------5,800 rpm
Max.torque @ 90 psi (最大扭力)------1,750 ft-lb/ 2373 Nm
Net weight (淨重)----------13.50 lbs (6.10 kgs)
Overall length (全長)----------228 mm (9.0 inch)
Air inlet (進氣孔規格)----------3/8 inch
Air hose id (風管規格)----------1/2 inch
Average.Air consumption (耗氣量)---2271 l/min
Lpa (聲壓)----------105 db (a)
Work pressure (工作壓力)----------90 psi

H.C.B-A2326 — 10.8 V CORDLESS IMPACT WRENCH (3/8")

10.8 V 充電式衝擊扳手 (3/8")



■ Specification (規格)

Voltage (電壓)----------DC 10.8 V
Unloaded Speed (無負載轉速)----------0 ~ 2400 RPM
Max Torque (最大鬆脫扭力)----------100 Nm (885 in-lbs)
Weight (with 2.0 Ah Battery) (重量 (含 2.0 Ah 電池包))---1090 g

■ Charger (充電座)

Input Voltage (輸入電壓)----------AC 100-120 V 50/60 Hz
Output Voltage (輸出電壓)-------DC 15 V 1.2 A
Charging Time (充電時間)--------90 min

■ Battery pack (電池包)

Voltage (伏特數)----------10.8 V
Capacity Cell Type (容量)-------2.0 Ah Li-ion (鋰電)

H.C.B-A2350 NEW GEARLESS ANGLE IMPACT WRENCH (3/8")

氣動彎頭衝擊扳手 (無齒輪) (3/8")

H.C.B-B2350 NEW GEARLESS ANGLE IMPACT WRENCH (1/2")

氣動彎頭衝擊扳手 (無齒輪) (1/2")



- Easy to work in confined work spaces, short and stubby with 88 mm x 248 mm.
- Low reaction force
- Lightweight: 1.4 Kg
- Max. torque: 350 ft.lb. (475 Nm) in reverse
- Compared with geared angle impact, the gearless angle impact reduce vibration by 50%, increase torque output by 20%. 360º swivel exhaust .
- Designed for small & medium vehicle engine bay area and under-lift nut tightening and loosening application, it is very ideal tool to deal with any limited working space.
- Rubber-made head protective sleeve.
- Sensitive trigger enable the Multi-Speed control. One-piece back cover design for easier repairing of motor parts and impact mechanism.
- Ergonomic composite handle design offers great gripping comfort.

MODEL	SQUARE DRIVE INCH	FREE SPEED R.P.M	MAX TORQUE @5 SEC. ft.lb(Nm)	OVERALL LENGTH INCH(mm)	AIR INLET INCH	AIR HOSE I.D	AVG.AIR CONSUMPTION cfm(L/min)	NET WEIGHT lb(kg)
A2350	3/8	6,500	250(339)	9.8(248)	1/4	3/8	4.2(119)	2.98(1.35)
B2350	1/2	6,500	300(407)	9.8(248)	1/4	3/8	4.2(119)	3.09(1.40)



HWANG CHERNG BIN Specialty Tools Inc.

National Tools trade show



FRANKFURT AUTOMECHANIKA SHOW



ITALY AUTOPROMOTEC SHOW



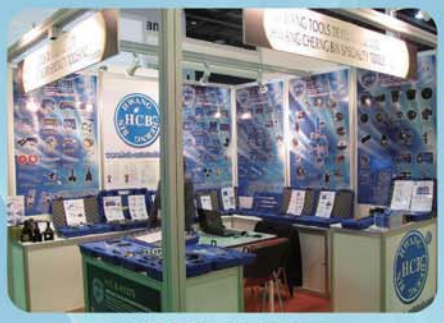
FRANCE EQUIP AUTO SHOW



TAIWAN AMPA SHOW



RUSSIA MIMS SHOW



MIDDLE EAST AUTOMECHANIKA SHOW



USA AAPEX SHOW



POZNAN TTM AUTOMOTIVE SHOW



KOREA KOAA SHOW



JAPAN IAAE SHOW



UK BIRMINGHAM SHOW



HWANG CHERNG BIN
Specialty Tools Inc.

SINCE 1990



PICTURE TAKEN WITH LEBANON CLIENT IN 2009 AMPA SHOW



PICTURE TAKEN WITH ISRAEL CLIENT IN 2014 AUTOMECHANIKA SHOW FRANKFURT



PICTURE TAKEN WITH CYPRUS CLIENT IN 2010 AUTOMECHANIKA SHOW FRANKFURT



PICTURE TAKEN WITH MALAYSIA CLIENT IN 2014 AMPA



PICTURE TAKEN WITH NEW ZEALAND CLIENT IN 2014 AAPEX



PICTURE TAKEN WITH GERMANY CLIENT IN 2010 AUTOMECHANIKA SHOW FRANKFURT

HWANG CHERNG BIN
Specialty Tools Inc.

SINCE 1990



PICTURE TAKEN WITH AUSTRALIAN CLIENT IN 2015 AMPA SHOW



PICTURE TAKEN WITH INDONESIAN CLIENT IN 2008 AMPA SHOW



PICTURE TAKEN WITH JAPANESE CLIENT IN 2009 AMPA SHOW



PICTURE TAKEN WITH POLAND CLIENT IN 2014 AUTOMECHANIKA SHOW FRANKFURT



AUSTRALIAN CLIENT VISITED H.C.B COMPANY

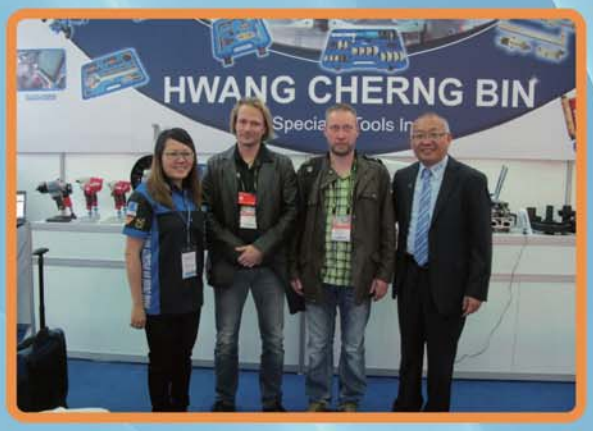


PICTURE TAKEN WITH HONG KONG CLIENT IN 2012 AMPA SHOW

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SINCE 1990



PICTURE TAKEN WITH IRELAND CLIENT IN 2012 AUTOMECHANIKA SHOW FRANKFURT



PICTURE TAKEN WITH FINLAND CLIENT IN 2015 AMPA SHOW



PICTURE TAKEN WITH LITHUANIA CLIENT IN 2012 AUTOMECHANIKA SHOW FRANKFURT



PICTURE TAKEN WITH FINLAND CLIENT IN 2014 AUTOMECHANIKA SHOW FRANKFURT



PICTURE TAKEN WITH KOREAN CLIENT IN 2013 KOAA SHOW



PICTURE TAKEN WITH CHINA CLIENT IN 2012 AUTOMECHANIKA SHOW FRANKFURT



PICTURE TAKEN WITH ITALY CLIENT IN 2016 AUTOMECHANIKA SHOW FRANKFURT

生活在感恩的世界
Living on a grateful world

感激斥責你的人
因為他助長了你的定慧
Be grateful to those who have denounced you,
for they have increased your wisdom and concentration.

感激絆倒你的人
因為他強化了你的能力
Be grateful to those who have made you stumble,
for they have strengthened your ability.

感激遺棄你的人
因為他教導了你應自立
Be grateful to those who have abandoned you,
for they have taught you to be independent.

感激鞭打你的人
因為他消除了你的業障
Be grateful to those who have hit you,
for they have reduced your karmic obstacles,

感激欺騙你的人
因為他增進了你的見識
Be grateful to those who have deceived you,
for they have deepened your insight.

感激傷害你的人
因為他磨練了你的心志
Be grateful to those who have hurt or harmed you,
for they have reinforced your determination.

感激所有使你堅定成就的人
Be grateful to those who have made you firm &
resolute and helped in your achievement.

朱子治家格言

○黎明即起，灑掃庭除，要內外整潔。既昏便息，關鎖門戶，必親自檢點。一粥一飯，當思來處不易。半絲半縷，恆念物力維艱。宜未雨而綢繆，毋臨渴而掘井。自奉必須儉約，宴客切勿留連。器具質而潔，瓦缶勝金玉。飲食約而精，蔬園勝珍饈。勿謀良田，勿營華屋。

○三姑六婆，實淫盜之媒。婢美妾嬌，非閨房之福。奴僕勿用俊美，妻妾切忌艷妝。祖宗雖遠，祭祀不可不誠。子孫雖愚，經書不可不讀。居身務期樸，教子要有義方。勿貪意外之財，勿飲過量之酒。

○興肩挑貿易，勿佔便宜。見貧苦親鄰，須多溫恤。刻薄成家，理無久享。倫常乖舛，立見消亡。兄弟叔侄，須多分潤寡。幼內外，宜法屬辭嚴。聽婦言，乖骨肉，豈是丈夫。重資財，薄父母，不成人子。嫁女擇佳婿，娶媳求淑女，毋計厚奩。

○見富貴而生讒容者，最可恥。遇貧窮而作驕態者，賤莫甚。居家戒爭訟，訟則終凶。處世戒多言，言多必失。毋恃勢力而凌逼孤寡，勿貪口腹而恣殺生禽。乖僻自是，悔誤必多。頹惰自甘，家道難成。狎昵惡少，久必受其累。屈志老成，急則可相依。輕聽發言，安知非人之譖訴，當忍耐三思。因事相爭，安知非我之不是，須平心遠暗想。

○施惠勿念，受恩莫忘。凡事當留餘地，得意不宜再往。人有喜慶，不可生妒忌心。人有禍患，不可生喜幸心。善欲人見，不是真善。惡恐人知，便是大惡。見色而起淫心，報在妻女。匿怨而用暗箭，禍延子孫。

○家門和順，雞黍飧不繼，亦有余歡。國課早完，即囊橐無余，自得至樂。讀書誌在聖賢，為官心存君國。守分安命，順時聽天。為人若此，庶乎近焉。



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Find out everything you need to know about our products
Scanning QR CODE to watch the video demonstration

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