

**1702 FAN CLUTCH TOOLS****賓士風扇扳手(36mm)**

- Removes lock nuts on thermo-Viscous fans found on Ford, Mercedes...many vehicles.
- Made From tempered pressed steel.

**1715 FAN CLUTCH TOOLS****賓士風扇扳手(65mm)**

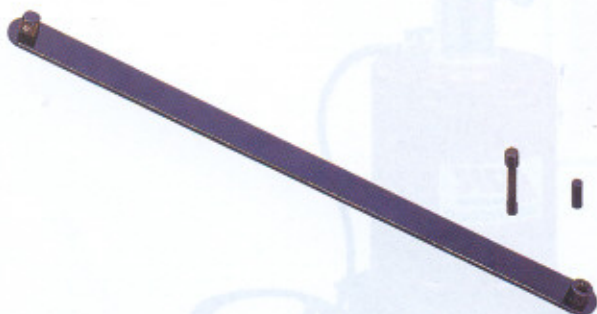
- Replaces fan clutch assembly on Mercedes Benz vehicles. Slim shaft handles let you easily work in light space.

**1713 FAN CLUTCH HOLDER****賓士風扇支撐扳手(L型)**

- Used for R & R of viscous fan coupling with radiator in place.

**1714 FAN CLUTCH HOLDER****賓士風扇支撐扳手(三孔)**

- Special designed 3 holes to hold the stud on fan clutch assembly found on Mercedes Benz vehicles to allow release of lock nut.
- Slim handle for tight space operation.

**1832 FAN BELT SERVICE WRENCH****賓士風扇扳手**

- This universal tool has been designed service Mercedes Benz, Nissan Quest, Mercury Villager Radiator fans and pulley belts.
- This special wrench can be used for loosening the A/C idler pulley tensioner lock-nut for A/C belt adjustment or replacement.
- 8m/m & 10m/m Bit included.

1725 DASHBOARD SERVICE TOOL KIT

賓士儀錶、音響、鎖頭拆裝組

- Kit includes ignition lock remover, radio set remover, and instrument cluster removing hooks.
- Suitable for most Mercedes Bens serious.



1123 IGNITION LOCK REMOVER

賓士鎖頭外框套拆卸器

- For removal and replacement of the ignition switch retaining ring fitted to mercedes types W129, W140, W202, W210, W220.



1122 PANEL WEDGE TOOL

賓士門板內裝拆卸器

- Application: BENZ all model.
- Used to remove the door panels and timbers or plastic on the dashboard.

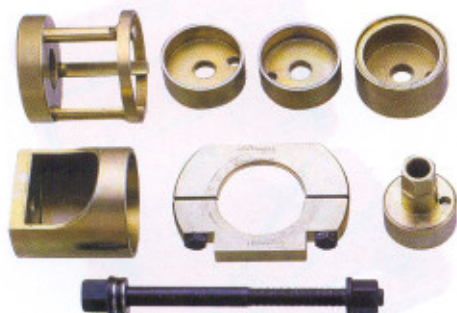


1313 FAN CLUTCH TOOLS SET

賓士, BMW風扇板手組

- Contents: JTC-1701, 1702, 1703, 1713, 1714, 1715, 1832.
- Application: Most of Mercedes Benz and BMW vehicles.

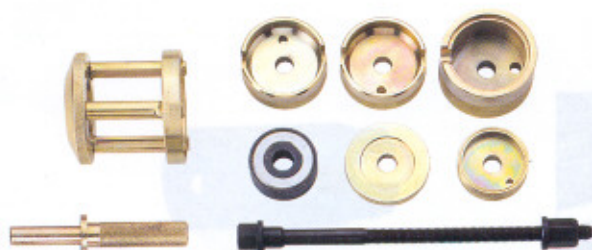




1804S REAR WHEEL BEARING REMOVER / INSTALLER

賓士三角架鐵套拆裝器(S系)

- Used for R & R of rear wheel bearing located in wheel carrier.
- This tool can also be used to install the rear axle shaft flange.
- Applicable: Models W140, W126, W124.



1804E REAR WHEEL BEARING REMOVER / INSTALLER

賓士三角架鐵套拆裝器(E系)

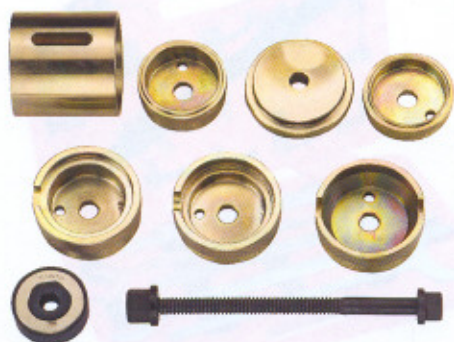
- Used for R & R of rear wheel bearing located in wheel carrier.
- This tool can also be used to install the rear axle shaft flange.
- Applicable: Models W210.



1804C REAR WHEEL BEARING REMOVER / INSTALLER

賓士三角架鐵套拆裝器(C系)

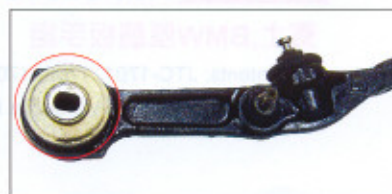
- Used for R & R of rear wheel bearing located in wheel carrier.
- This tool can also be used to install the rear axle shaft flange.
- Applicable: Models W202, W170.



1306 BENZ SUB-FRAME BUSH REMOVER / INSTALLER

賓士三角台鐵拆裝器

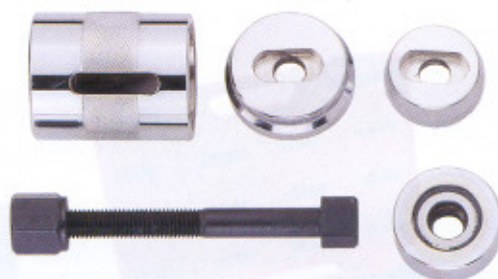
- Special design for removing and installing the frame bush on the car.
- Applicable W211, W220, W203.



1819 BUSH EXTRACTOR

賓士免拆差速器後三角架鐵套拆裝器

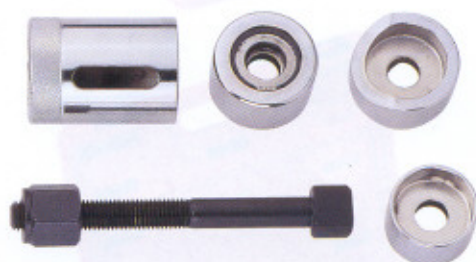
- For replacement of the differential mounting metallic bushes in the rear sub-frame.
- Replacement of the mounting bushes without removal of the differential.
- Applicable: W124, 201



1837 BUSH REMOVER/ INSTALLER

賓士後仰角鐵套拆裝器

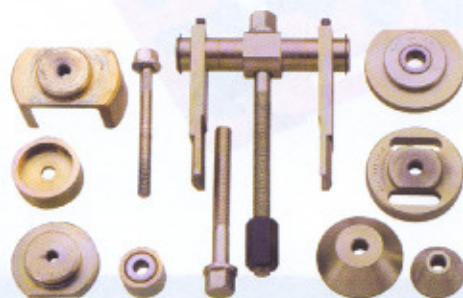
- Removal and replacement tool for metallic bushes on rear axles.
- Applicable: W140, 124, 201, 202, 129, 210.



1838 BUSH EXTRACTOR

賓士工字樑前後置鐵套拆裝器

- For replacement of the front and rear metallic rear sub-frame mounting bush.
- Replacement of the mounting bushes without removing the complete rear axle assembly.
- Applicable: W124, 201, 202.

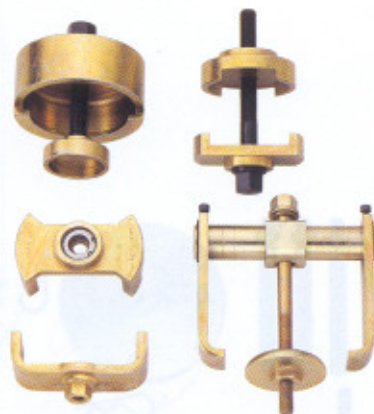
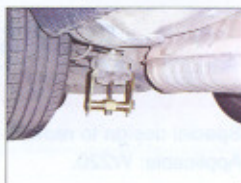


1126 FRONT & REAR SUSPENSION BUSH EXTRACTOR

賓士工字樑前後置鐵套拆裝器

/ INSTALLER

- Removal and installation of rear rubber mounts of axle suspension.
- Applicable: W140

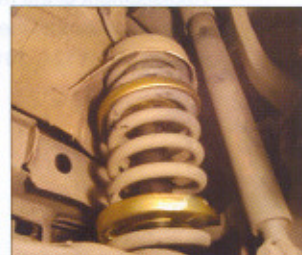




1801 SPRING COMPRESSOR FOR MERCEDES

賓士避震彈簧壓縮器

- Types 116/ 123/ 124/ 126/ 129/ 140/ 201/ 202 and 4-matic includes.
- Advantage: Newly developed automatic 3-point safety interlock and automatic freewheel at end of stroke.



1310A BENZ BALL JOINT INSTALLER/REMOVER

賓士A臂下球接頭拆裝器

- Special design to remove & install the ball joint on car, without remove any parts.
- Applicable: W220, W211, W230.
- Patented.



Remove



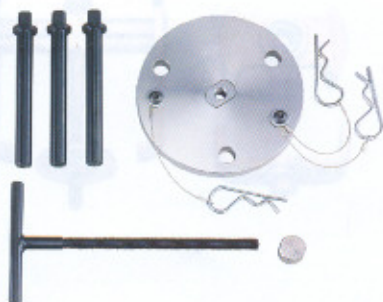
Install



1849 BALL JOINT INSTALLER

賓士球接頭拆裝器

- For pressing ball joint into steering knuckle.
- Applicable: W123, 126, 220.



1307 BENZ SEAL TOP AIR SUSPENSION STRUT

賓士氣壓避震器油封更換器

- Special design to remove the seal cap easily and replace the seal quickly.
- Applicable: W220.



1415 BENZ ML BALL JOINT SOCKET

賓士ML球接頭套筒

- Pin wrench socket 3/4" drive, to secure retaining ring for ball joint replacement.
- Applicable: 163 M-Class front and rear axles.
- Retaining ring is torqued to 300Nm/226 ft/lbs.



1614 REAR AXLE FLANGE NUT SOCKET

賓士傳動軸專用套筒

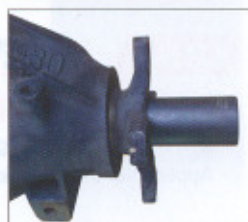
- This special socket removes rear axle flange grooved nuts on Mercedes Benz models 107 114 115 116 126 axle with CV joints when replacing axle seals and axle bearings.
- With 1/2" drive.



1615 4 LUG DRIVE PINION SHAFT FLANGE NUT SOCKET

賓士齒輪箱差速器專用套筒

- For use on Mercedes Benz models 107 114 115 116 models.
- Removes drive pinion shaft flange grooved nuts.
- With 1/2" drive.



1338 BENZ STRUT NUT SOCKET

賓士避震器座套筒(新S)

- Use for removing and installing the top shock retaining nut.
- Applications: Both BENZ W220 new and old type.



1339 BENZ STRUT NUT SOCKET

賓士避震器座套筒(新C)

- Use for removing and installing the top shock retaining nut.
- The same function as #1338.
- Applications: BENZ W203.

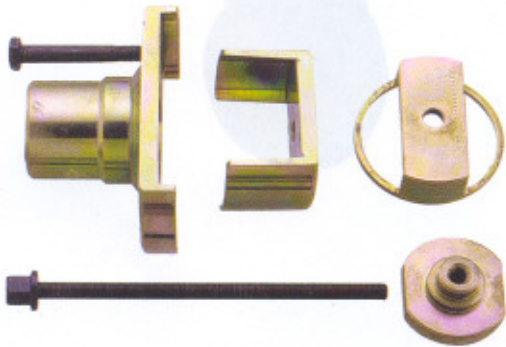
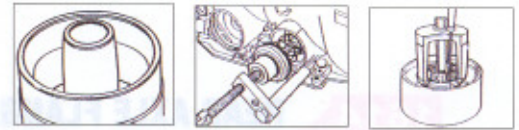




1805 SLEEVE, ASSEMBLY DEVICE & ASSEMBLY FIXTURE

賓士變速箱拆裝器

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



1846 SLEEVE, ASSEMBLY DEVICE & ASSEMBLY FIXTURE

賓士變速箱拆裝器(722.6)

- Sleeve for installing reverse gear piston in front cover.
- Assembly fixture for circle on spring retainer of clutch K1 & K2.
- Applicable: Transmission 722.6.



1854 SLEEVE

賓士變速箱活塞內導向器(722.3.5)

- For installing reverse gear piston in front cover.
- Applicable: transmission 722.3, 722.5



1850 ASSEMBLY SLEEVE

賓士變速箱內部油封導向器

- Transmission seal assembly sleeve.



1848 TRANSMISSION HOLDER SET

自動變速箱拆裝架(後送變速箱)

- Rotating head enables engine to be placed in desired in working positions.
- Use for BENZ, BMW, VOLVO, AUDI.....etc.
- The blue fixed support could be fixed on the workbench or used on the engine stands.



1231 MB TRANSMISSION DIPSTICK

賓士變速箱油尺(722.6)

- The tool is designed to measure the oil level of transmission.
- Full length: 1220mm
- Applicable: transmission type722.6



1232 MB TRANSMISSION DIPSTICK

賓士變速箱油尺(722.7)

- The tool is designed to measure the oil level of transmission.
- Full length:920mm
- Applicable: transmission type722.7,716.5.



1233 MB ENGINE OIL GAUGE

賓士機油油尺(平頭型)

- Full length: 930mm,balance the top of the oil gauge.
- Applicable: Engine model: 103,943/984/985,104,111,119,120,137,603,913/963/97,604,605,606,611,612,613,626.



1234 MB ENGINE OIL GAUGE

賓士機油油尺(折90度)

- Full length:930mm,the top of the oil gauge can turn back to 90 degrees.
- Applicable: Engine model:112,113,646,647,648.



1420 BENZ TRANSMISSION OVERFLOW PIPE REMOVER

賓士722.9變速箱油標拆卸器

- Drift for unclipping the overflow pipe in the oil pan when draining the oil.
- Applicable: BENZ 722.9 model transmission

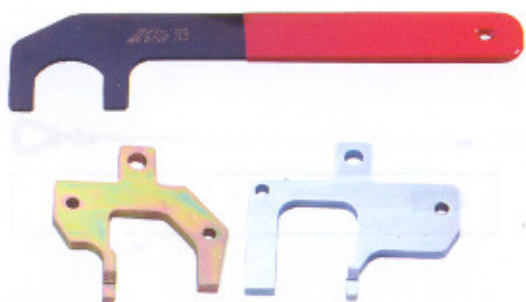
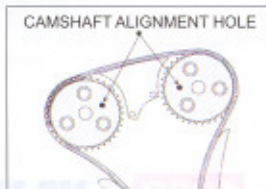




1331 BENZ CAMSHAFT ALIGNMENT TOOL

賓士凸輪軸正時工具組 (M111)

- Holds the camshaft in 40 degree TDC position (left / right side)
- Applications: BENZ M111, M119.



1332 BENZ CAMSHAFT ALIGNMENT TOOL

賓士凸輪軸正時工具組 (M112)

- Holds the camshaft in 40 degree TDC position (left / right side)
- Applications: BENZ M112, M113.



LEFT



RIGHT



1004 CRANKSHAFT PULLEY HOLDER

賓士正時皮帶盤支檔扳手(二點式)

- Suit for BENZ M111, 112.
- Break loose the crank shaft pulley / harmonic balancer bolt. Designed to properly secure the pulley from rotating during R & R of crank bolt. The 50mm hex 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 it into position with the securing bolt.



1011 CRANKSHAFT PULLEY HOLDER

賓士正時皮帶盤支檔扳手(三點式)

- For removal and replacement of the crankshaft bolt, M112 and M113, as found on E320, E430, etc...



1852 BRAKE SPRING INSTALLER

賓士手剎車來令片固定彈簧扳手

- For pressure spring of packing brake.
- Applicable: all Mercedes models.



1853 WHEEL STUD ALIGNMENT GUIDE TOOL

賓士輪胎定位桿(12)

- Assists when mounting wheels, especially late models with long lug bolts.
- Size: M12 x 1.5.
- Applicable: all Mercedes models with lug bolts.



1124 WHEEL STUD ALIGNMENT GUIDE TOOL

賓士輪胎定位桿(14)

- Assists when mounting wheels, especially late models with long lug bolts.
- Size: M14 x 1.5.
- Applicable: all Mercedes models with lug bolts.



1308 SPARK PLUG ELECTRIC WIRE REMOVER

賓士V6高壓線拆裝器

FOR BENZ V6

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



1845 VALVE SPRING COMPRESSOR

賓士免拆式凡爾鉗

- For R & R of valve spring. (cylinder head does not need to be removed)
- Applicable: Models M102 & 103.

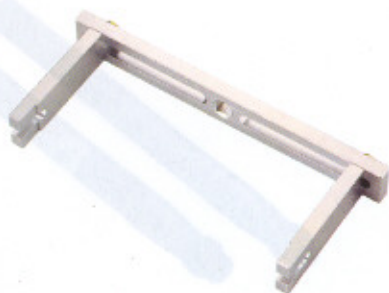




1712 GUIDE RAIL PIN PULLER

賓士內鍊滑板插銷拔卸器

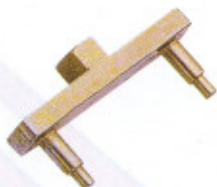
- Can remove even the most stubborn pins from the cylinder head, unlike the short slide hammer previously used to attempt this job.
- Applicable: Model M 102, 110, 115, 116, 117, 130, OM 601, 602, 603, 615, 616 & 617.



1312 ADJUSTABLE FUEL TANK LID REMOVER

調整型汽油箱蓋拆裝器

- To adjust from the middle track.
- You can use on all kinds of vehicle with salient fuel tank lid.
- Applicable: BENZ, BMW...European cars....etc.



1844 FUEL TANK LID WRENCH

賓士塑膠汽油箱蓋拆裝器(210)

- The tool is designed to remove the plastic fuel tank lid.
- Applicable: W210.



1851 FUEL TANK CUP WRENCH

賓士塑膠汽油箱蓋拆裝器(202)

- The tool is designed to remove the plastic fuel tank lid.
- Applicable: W202.



1405 DISC BRAKE PISTON COMPRESSOR (4 PISTONS)

碟式剎車調整器(四活塞)

- Special wider pusher design to use on 4 pistons vehicle.
- Pusher width: 88mm
- Applicable: BENZ, BMW, and 4 pistons vehicle.



1842 BMW GUIDE RAIL PIN PULLER

BMW內鍊滑板插銷拔取器

- Can remove even the most stubborn pins from the cylinder head, unlike the short slide hammer previously used to attempt this job.
- This puller incorporates a thrust bearing to ease the pulling action.



1218 BMW TRANSMISSION SOCKET

BMW變速箱專用套筒5HP18

- Special design socket to remove the nut on transmission drive shaft flange.
- With 1/2" Drive.
- Applicable: 5HP18/5HP19



1436 BMW TRANSMISSION SOCKET(5HP24)

BMW 變速箱專用套筒(5HP24)

- 1/2"DR. for grooved nut on transmission drive shaft flange.
- Applicable: BMW 5HP24/5HP30 transmission.



1127 BMW THMR1 TRANSMISSION EXTRACTOR

BMW變速箱拆裝組(THMR 1)

/INSTALLER

- Designed to remove and install BMW THMR1 transmission.



1701 FAN CLUTCH TOOLS

BMW風扇扳手(32mm)

- Removes lock nuts on thermo-Viscous fans found on Ford, BMW...many vehicles.



1703 FAN CLUTCH HOLDER

BMW風扇支撐扳手

- Allows the technician to hold the water pump pulley in place while loosening the radiator fan.
- BMW engine models M10, M20 & M30 and late cars.



1417 BMW CRANKSHAFT PULLEY HOLDING TOOL

BMW正時皮帶盤支檔/拆卸工具

- This tool is designed to hold the crankshaft pulley stationary while loosening or tightening the centre screw. It can remove pulley safely and won't damage pulley's shockproof.
- Applicable: BMW (M52,M54,M56).



For holding the rotating pulley, take the crankshaft pulley to cover this tool.



When crankshaft pulley is covered in the above, rotate a little of angle for grappling pulley.

1433 BMW SPROCKET EXTRACTOR / INSTALLER

BMW正時齒輪調整器

- For turing sprockets when removing and installing vanos unit.
- Applicable: BMW M50/M52/S50/S52



1435 BMW CAMSHAFT ALIGNMENT TOOL

BMW正時工具組(N62/N73)

(N62/N73)

- Applicable: BMW engine models N62 & N73.
- Use the tool to fix on the input/output crankshaft to adjust the interval of crankshaft.
- It could check the crankshaft interval (smaller than 0.5mm).
- Contents: FixtureA for input crankshaft x 1
FixtureB for output crankshaft x 1
Support with screw x 1



1806 CAMSHAFT ALIGNMENT TOOL

BMW正時工具組(M40)引擎

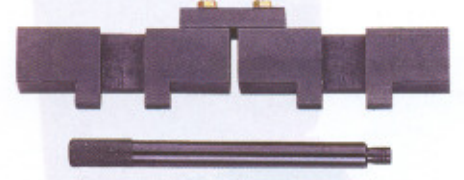
- Includes: plate & locking pin, for setting camshaft timing.
- Applicable: BMW engine models M40 & M70.



1807 CAMSHAFT ALIGNMENT TOOL

BMW正時工具組(M50)引擎

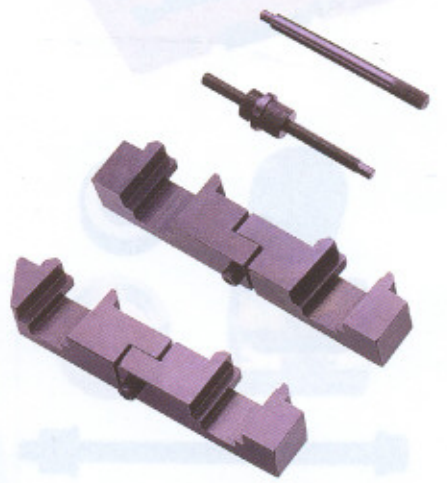
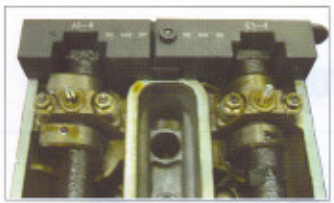
- Includes: 2 blocks, swivel lock & locking pin, for setting camshaft timing.
- Applicable: BMW engine models M42 & M50.



1808 CAMSHAFT ALIGNMENT TOOL

BMW正時工具組(M60)引擎

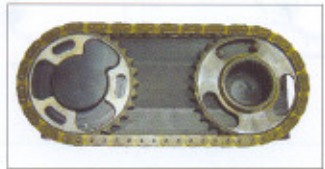
- Includes: 2 blocks, swivel lock plate & locking pin, for setting camshaft timing.
- Applicable: BMW engine models M60 & M62.

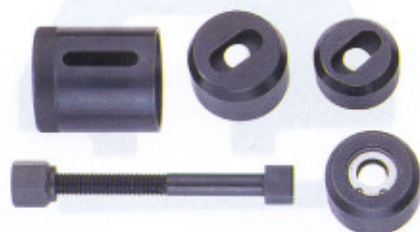


1309 CAMSHAFT ALIGNMENT TOOL

BMW雙可變氣門正時工具組

- Use with JTC-1807 to fix on the camshaft.
- Special design for using before installing the accurate engine.
- Applicable: BMW engine models M52TU, M54, M56.

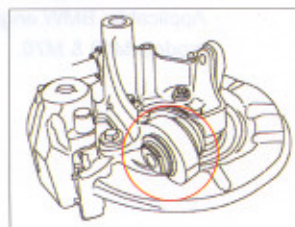




1115 BMW BUSH REMOVER / INSTALLER

BMW後仰角鐵套拆裝組

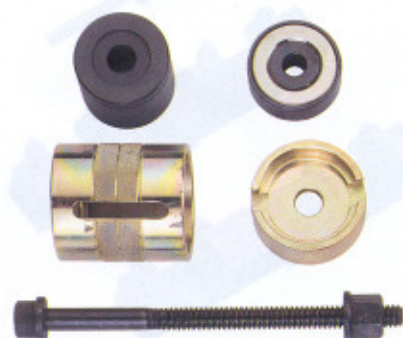
- Removal and replacement tool for metallic bushes on rear axles.
- Applicable: BMW E38, E39, E60, E65, E66.



1215 BMW REAR AXLES BUSH REMOVER / INSTALLER

BMW後仰角鐵套拆裝組

- Removal and replacement tool for metallic bushes on rear axles BMW type E36, E46.
- Replacement of the mounting bushes without removing the complete rear axle assembly.
- Applicable: BMW E36, E46.



1809 BUSH EXTRACTOR

BMW上三角架鐵套拆裝器

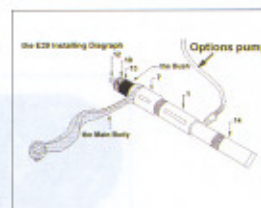
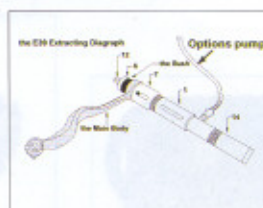
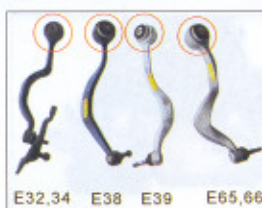
- Removal and replacement tool for metallic bushes on upper sub-frame.
- Applicable: BMW E32, E34



1416 BMW BUSH EXTRACTOR (HYDRAULIC)

BMW上三角台鐵套拆裝器(油壓型)

- Easily to remove and install by hydraulic type.
- Applicable: BMW E32, E34, E38, E39, E65, E66, E53



1810 BALL JOINT REMOVER / INSTALLER

BMW三角架鐵套拆裝器

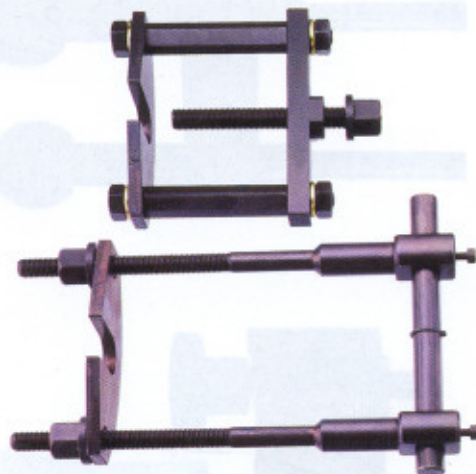
- For removing and installing the ball joint using a hydraulic press.
- Applicable: BMW E30,, E36



1858 BUSH EXTRACTOR

BMW三角架鐵套拆裝器仰角邊用

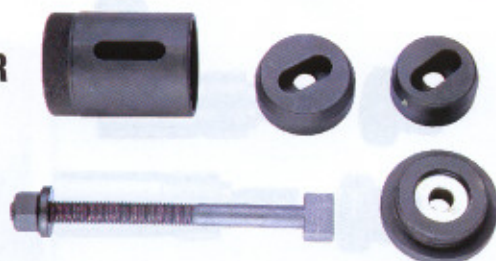
- Used for R & R of rear wheel bearing located in wheel carrier.
- Applicable: BMW E30,, E36, 46



1419 BMW REAR SUB-FRAME DIFFERENTIAL BUSH EXTRACTOR / INSTALLER

BMW差速器後三腳架鐵套拆裝器

- To extract and install the rear sub-frame and differential bush.
- Applicable: BMW E46.



1847 HUB REMOVER / INSTALLER

BMW後輪軸拆裝器

- Designed for professional removal and installation of rear wheel hub.
- Applicable: BMW E34.

