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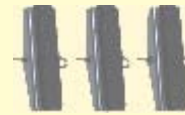


No.2310

3 Leg Brake Cylinder Hone

Hones master cylinders and wheel cylinders. Flexible shaft for easy honing on or off the vehicle. Spring tension adjusts for positive cutting action, self centering for full stone contact with cylinder walls. Supplied with three 1.1/8"(28mm) 220 grit stones.

Capacity: 3/4" to 2.1/2"(19 to 64mm)



No.2311

Coarse Hone Stone Set

3Pc. Suit: #2310 (100 grit)

No.2313

Medium Hone Stone Set

3Pc. Suit: #2310 (220 grit)

No.2312

Fine Hone Stone Set

3Pc. Suit: #2310 (400 grit)



No.2315

2 Leg Brake Cylinder Hone

Has spring tension adjusting nut for positive cutting action. This two leg hone is suitable for wheel and master cylinders on most small cars. Supplied with two 1.1/8"(28mm) 220 grit stones.

Capacity: 1/2" to 2.1/2"(13 to 64mm)



No.2316

Coarse Hone Stone Set

2Pc. Suit: #2315 (100 grit)

No.2318

Medium Hone Stone Set

2Pc. Suit: #2315 (220 grit)

No.2317

Fine Hone Stone Set

2Pc. Suit: #2315 (400 grit)



No.2327

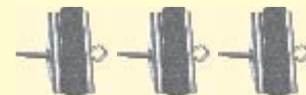
Disc Brake Hone

Hones most disc brake cylinders.

Flexible shaft for easy honing.

Spring tension adjusting nut for positive cutting action, self centering for full stone contact with cylinder walls. Supplied with three 3/4"(19mm) 220 grit stones.

Capacity: 1.1/4" to 3.1/2"(32 to 90mm)



No.2328

Coarse Disc Hone Stone Set

3Pc. Suit: #2327 (100 grit)

No.2326

Medium Disc Hone Stone Set

3Pc. Suit: #2327 (220 grit)

No.2329

Fine Disc Hone Stone Set

3Pc. Suit: #2327 (400 grit)



No.2330

Four-In-One Hone Kit

Has all the parts necessary to assemble four individual hones. Quick release clips for easy removal and attachment of the 220 grit stones. Makes the following:

1: Two leg brake cylinder hone

Capacity: 5/8" to 2.1/4"(16 to 57mm)

2: Three leg brake cylinder hone

Capacity: 3/4" to 2.1/2"(19 to 64mm)

3: Disc brake hone

Capacity: 1.1/4" to 3.1/2"(32 to 90mm)

4: Small engine cylinder hone

Capacity: 1.1/4" to 3.1/2"(32 to 90mm)

All parts individually housed in storage case.

Flexible Line Clamp Pliers: Uniquely designed jaws have smooth rounded edges to prevent internal hose linings from damage. Made from durable non-conductive plastic material.



No.2070 Small Flexible Line Clamp Pliers (Plastic)



No.2070A Small Flexible Line Clamp Pliers (Aluminium)

*Seals Hoses: 5/16" to 1/2"(8 to 13mm)OD
Length: 6.1/8"(155mm)*



No.2071 Medium Flexible Line Clamp Pliers (Plastic)



No.2071A Medium Flexible Line Clamp Pliers (Aluminium)

*Seals Hoses: 1/2" to 3/4"(13 to 19mm)OD
Length: 7.5/16"(185mm)*



No.2072 Large Flexible Line Clamp Pliers (Plastic)



No.2072A Large Flexible Line Clamp Pliers (Aluminium)

*Seals Hoses: 3/4" to 2.1/4"(19 to 55mm)OD.
Length: 10"(250mm)*

Flexible Line Clamp Pliers carded in sets of 3.

No.2070-3 Set of 3 Small Flexible Line Clamp Pliers (Plastic)

No.2071-3 Set of 3 Medium Flexible Line Clamp Pliers (Plastic)

No.2072-3 Set of 3 Large Flexible Line Clamp Pliers (Plastic)

No.2070A-3 Set of 3 Small Flexible Line Clamp Pliers (Aluminium)

No.2071A-3 Set of 3 Medium Flexible Line Clamp Pliers (Aluminium)

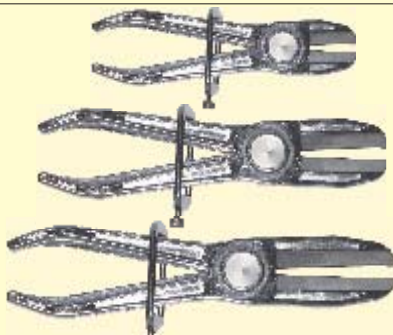
No.2072A-3 Set of 3 Large Flexible Line Clamp Pliers (Aluminium)



No.2075 Plastic 3Pc. Flexible Line Clamp Plier Sets

Uniquely designed jaws have smooth rounded edges to prevent internal hose linings from damage. Made from durable non-conductive plastic material.

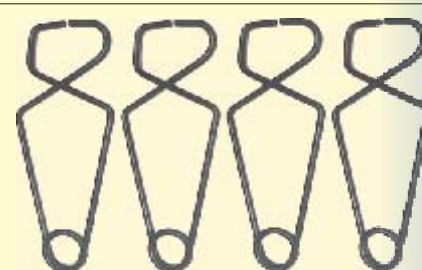
Set Contains: #2070, #2071 & #2072.



No. 2075A Aluminium 3Pc. Flexible Line Clamp Plier Sets

Uniquely designed jaws have smooth rounded edges to prevent internal hose linings from damage. Made from durable non-conductive aluminium material.

Set Contains: #2070A, 2071A & 2072A

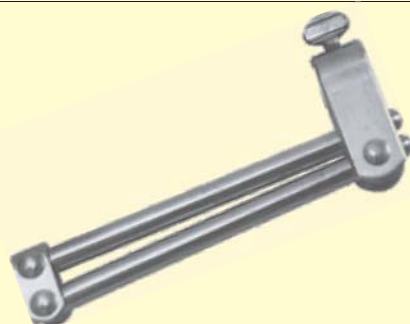


Wheel Cylinder Spring Clamps

Use to prevent pistons popping out of wheel cylinders while changing brake shoes.

No.2750 Set of Two Wheel Cylinder Spring Clamps
Capacity: 3.1/2"(90mm)

No.2754 Set of Four Wheel Cylinder Spring Clamps
Capacity: 3.1/2"(90mm)



No.2036 Bar Type Pinch-Off Tool

Suits both brake and fuel lines. Round bars will not damage hose lining.

Capacity: 7/8"(22mm)

Length: 5.1/2"(140mm)



No.2030 Brake & Fuel Hose Crimp Pliers

Positively seals reinforced brake hoses. Round jaws prevent hose damage, adjustable sliding locking ring allows pinch-off pressure to be maintained.

Capacity: 5/8"(16mm)

Length: 8"(200mm)



No.2755 4Pc. Brake Cylinder Locking Clamps

Suits drum type brakes

Set of four brake piston clamps that securely hold pistons in place on drum type brakes.

Prevents brake fluid leakage past the pistons when changing brake shoes.





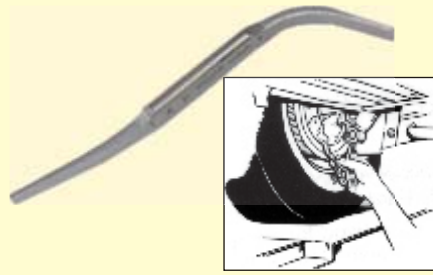
No.2033

Drum Brake Adjusting Tool

Extra short adjuster for working in confined areas. Has universal applications.

Width: 1/4"(6mm)

Length: 3.1/2"(90mm)



No.2028

Drum Brake Adjusting Tool

A short series adjuster to suit most Japanese and Asian cars with small access holes.

Width: 1/4"(6mm)

Length: 5"(125mm)



No.2029

Drum Brake Adjusting Tool

Universal narrow adjuster to suit most Japanese and Asian cars, light trucks and 4WD vehicles.

Width: 1/4"(6mm)

Length: 8"(200mm)



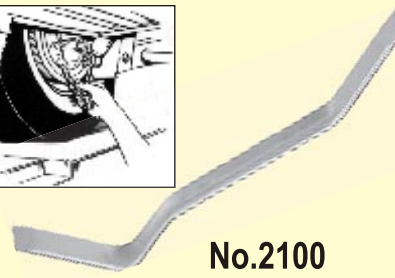
No.2034

Drum Brake Adjusting Tool

Our most popular brake spoon, designed for standard sized openings and working around obstructions. Suits most popular vehicles.

Width: 1/2"(13mm)

Length: 7"(180mm)



No.2100

Drum Brake Adjusting Tool

Similar to #2034 at a lower cost.

Designed for standard sized openings and working around obstructions.

Suits most popular vehicles.

Width: 1/2"(13mm)

Length: 7"(180mm)



No.2031

Small Japanese Style Brake Adjusting Tool

Drop forged heat treated alloy steel brake adjuster. Extra short with narrow lever jaws for working in confined areas.

Width: 5/16"(8mm)

Length: 6.1/8"(155mm)



No.2032

Key Style Brake Adjuster

Extra short brake adjuster for working in confined areas. Suits most Japanese and other Asian vehicles.

Made from heat treated forged alloy steel with offset tip.

Tip Width: 5/16"(8mm)

Length: 2.1/2"(65mm)



No.J5072

Lucas Truck Brake Adjuster

Suits trucks & buses with Lucas hydraulic brake systems. Special offset design with extra length handle makes easy work of adjusting the brake shoes on Lucas hydraulic brake systems including the popular Ford F700, F800 & F900 series.

Blade Width: 1.3/8"(35mm)

Overall Length: 12.5/8"(320mm)



No.65004

12.5mm Pentagon 1/2"Drive Impact Socket

Used on Bendix brakes found on Citroen and Peugeot vehicles. Made from CR-V chrome molybdenum alloy steel.

Size: 12.5mm Side To Point Pentagon

Length: 2"(50mm) **Drive:** 1/2"Square



No.65001

10mm Flat to Point Pentagon 1/2"Drive Socket

Suits bolts found on Girling brakes or any other 10mm side to point 5 sided bolt head. **Length:** 2.3/4"(70mm)

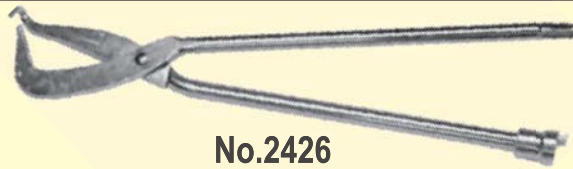


No.65005

14mm Flat to Point Pentagon 1/2"Drive Socket

Suits bolts found on Girling brakes or any other 14mm side to point 5 sided bolt head. **Length:** 2.3/4"(70mm)





No.2426
Brake Spring Pliers

General purpose brake spring pliers for the removal and replacement of Bendix, Lockheed, Girling and other types of brake springs. One end of the handle has a socket type spring remover, the other has a spoon end for replacing springs on anchor posts.

Length: 14"(355mm)

Capacity: 5"(125mm)



No.2423
Drum Brake Spring Pliers

Floating swivel head, drop forged heat treated alloy steel drum brake spring pliers for the removal and replacement of Bendix, Lockheed, Girling and other types of brake springs.

Length: 14"(335mm)

Capacity: 5"(125mm)



No.2422
Drum Brake Spring Pliers

Short handle drop forged heat treated alloy steel drum brake spring pliers for the removal and replacement of Bendix, Lockheed, Girling and other types of brake springs.

Length: 8.1/2"(210mm)

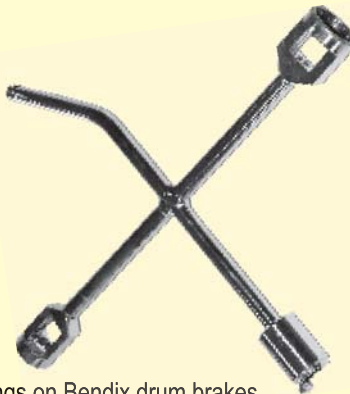
Capacity: 5"(125mm)



No.J7462
Lucas/Girling Brake Spring Tool

For use on 1984 to current Ford 600, 700 and 800 series trucks with Lucas Girling hydraulic brake systems. Knurled handle for better grip. Tool design allows adequate leverage for safe and easy removal or installation of brake shoe return springs.

Overall Length: 16.1/4"(410mm)



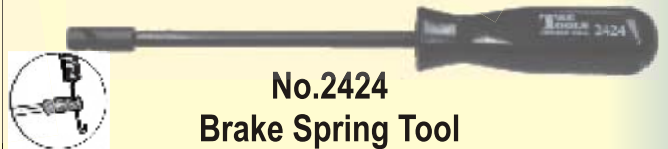
No.2438
Multipurpose Brake Spring Tool

Removes and installs return springs on Bendix drum brakes. Double ended tool removes and installs small & large car drum brake springs. Retaining spring tool fits sizes: 5/8" to 11/16" and 11/16" to 7/8" Diameters.



No.2003
Brake Spring Hook Tool

Removes and replaces small hard to reach brake springs. Prevents damage to the spring and can be used as a general purpose hook for a multitude of applications. **Length:** 6.1/8"(155mm)



No.2424
Brake Spring Tool

Locks onto brake spring shaft, preventing damage to the spring, and leaving the spring hook clear. Universal application, for easy installation and removal. **Length:** 9"(230mm)

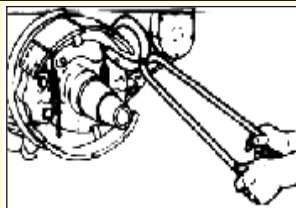
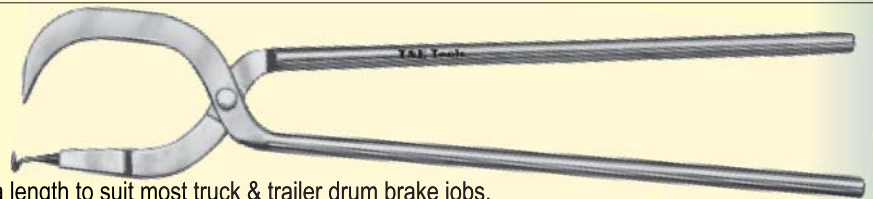
No.J7069
Heavy-Duty Truck Brake Spring Pliers

These heavy duty truck brake spring pliers are drop forged with wide jaw capacity and extra length to suit most truck & trailer drum brake jobs.

Capacity: 8"(200mm)

Length: 21"(535mm)

No.J7069-R Replacement Tip for #J7069



No.J7079
Extra Heavy-Duty Truck Brake Spring Pliers

Extra heavy-duty truck brake spring pliers provide the extra leverage needed for servicing hydraulic, wedge type, and "S" cam air brakes used on many trucks and trailers. The extra length leverage and wide jaw opening enables you to service the largest drum type brake shoes.

Capacity: 8"(200mm)

Length: 26.1/4"(665mm)

J7079-R Replacement Standard Tip

J7079-T Replacement "S" Cam Type Tip





No.2314

Brake Shoe Retaining Spring Tool

Double ended design removes and replaces both small and large diameter brake shoe retaining springs. Fits 5/8" to 15/16" (16 to 24mm) diameter. Special socket grips retaining washer, just push and turn.
Length: 8"(200mm)



No.2314-T

Brake Shoe Retaining Spring Tool

Similar to #2314 with a compact design for working in close quarters. Double ended design removes and replaces both small and large diameter brake shoe retaining springs. Fits 5/8" to 15/16" (16 to 24mm) diameter. Special socket grips retaining washer, just push and turn.
Length: 5.3/8"(135mm)



No.2044

Brake Shoe Retaining Spring Tool

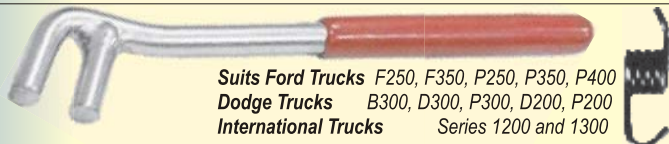
Removes and replaces dish type washers. The knurled cup securely grips the retaining washer on both small & large sizes.
Length: 5.1/4"(130mm)



No.2367

Park Brake Spring Compressor

Removes parking brake lever cable affixed to the brake shoe on cars and light duty trucks with rear drum brakes. Jaw ends fit between spring and cable end, pliers compress spring to allow parking brake lever to be installed.
Length: 7.1/2"(190mm)



*Suits Ford Trucks F250, F350, P250, P350, P400
Dodge Trucks B300, D300, P300, D200, P200
International Trucks Series 1200 and 1300*

No.2225

Brake Shoe Retainer Spring Tool

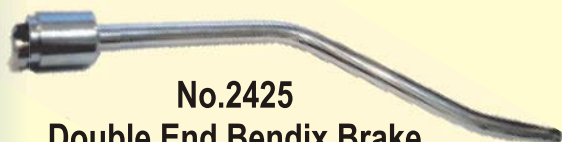
Designed to remove and easily replace the brake shoe retainer spring on trucks. Tool fits into coil of spring and provides good leverage to engage or disengage the hook arm of the spring without difficulty. Off-set handle keeps clear of brake and wheel components. Plastic handle for good grip and comfort.
Length: 9"(230mm)



No.2364

Park Brake Spring Compressor Pliers

Removes parking brake lever cable affixed to the brake shoe on cars and light duty trucks with rear drum brakes. Jaw ends fit between spring and cable end, pliers compress spring to allow parking brake lever to be installed.
Length: 10.1/4"(260mm)



No.2425

Double End Bendix Brake Spring Tool

Tool removes and installs return spring on Bendix drum brakes. To use, place socket and over spring anchor and twist to remove. Hook notched end through spring and over the post, then lift to install.
Length: 9"(230mm)



No.2039

Heavy Duty Bendix Double End Brake Spring Tool

Tool removes and installs return spring on Bendix drum brakes. To use, place socket and over spring anchor and twist to remove. Hook notched end through spring and over the post, then lift to install.
Length: 14"(360mm)



No. 2224

2Pc. Brake "C" Ring

Remover and Installer Tool Set

For installing/removing "C" retaining ring on emergency brake actuation lever.

(A) Brake "C" Ring Removal Plier

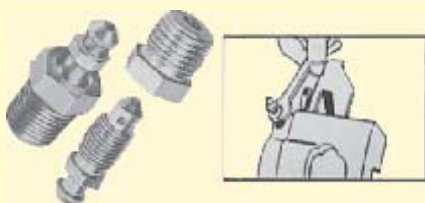
(B) Brake "C" Ring Installer & Utility Plier



No.4398

Mercedes Benz Park Brake Spring Tool

Installing tool for pressure spring of parking brake found on all Mercedes models cars.
Length: 9"(230mm)



Bleeder Screw Repair Kit

- Use to repair disc brake bleeder screws
 - Fits 95% of single piston calipers
- Fast simple answer to broken or frozen bleeder screws. Just drill, tap and install. Brass insert provides new seat for screw. Eliminates need to replace caliper. Fits most single piston calipers.

No.A0562

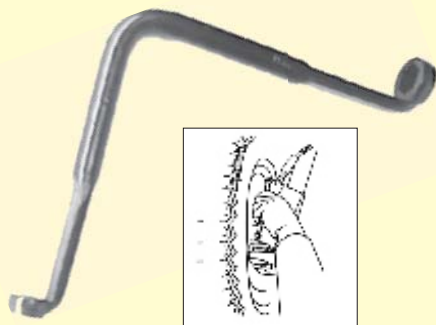
1/4" NPT Bleeder Screw Repair Kit

Supplied in vinyl pouch

No.A0563

1/8" NPT Bleeder Screw Repair Kit

Supplied in vinyl pouch.



No.2017

7mm x 11mm Offset Brake Bleeder Wrench

Has 7 and 11mm single hex openings. Suits many Asian & European vehicles. Right angle offset ends allow the necessary clearance to reach bleeder nipples.



No.2301

8mm x 10mm Ratchet Brake Bleeder Wrench

Has 8 & 10mm single hex openings to suit many FWD vehicles with recessed bleeder nipples. Features reversible ratchet mechanism.
Length: 5.1/2"(140mm)



No.2133

ABS Proportioning Valve Depressor

This tool is required when brake bleeding vehicles that are equipped with a Kelsey-Hayes proportioning valve. This tool manually overrides the valve which permits fluid to flow to the rear brakes. Use two of these depressors; one for each valve.



No.2014

1/4" x 3/8" Offset Brake Bleeder Wrench

Has 1/4" & 3/8" single hex openings to suit most bleeder nipples. Right angle shape with vent holes in socket ends permit system to be bled without removing tool from the bleeder nipple.



No.2012

7 x 9mm 6 Point Brake Bleeder Wrench

Suits European vehicles.

Length: 9.1/2"(240mm)



No.2016

8 x 10mm 6 Point Brake Bleeder Wrench

Suits GM, Nissan, Honda, etc.

Length: 9.1/2"(240mm)



No.2015

1/4" x 3/8" 6 Point Brake Bleeder Wrench

Has 1/4" & 3/8" single hex openings to suit most bleeder nipples. Proper fit and design permits reach and access for the toughest of brake bleeding jobs. **Length:** 9.1/2"(240mm)



No.2035

5/16" x 3/8" 6 Point Brake Bleeder Wrench

Has 5/16" & 3/8" single hex openings to suit most bleeder nipples. Proper fit and design permits reach and access for the toughest of brake bleeding jobs. **Length:** 9.1/2"(240mm)

No.2458 14Pc. Brake Caliper Guide Pin Set

The unique wrench design allows the user easy access to the guide pins located on the back inside of the wheel. For use when replacing disc brake pads or when working on brake calipers or rotors. Set consists of the ratchet wrench, twelve 5/16" drive bits (listed below), and an extension for use when brake lines or hoses are obstructing access to the pads.

Contains 12 sizes:

7/32", 1/4", 5/16", 3/8" In-Hex Bit (5/16"Hex)

6mm, 7mm, 8mm, 10mm In-Hex Bit (5/16"Hex)

T40, T45, T47, T50 Torx Bit (5/16"Hex)

Supplied in blow mould case.





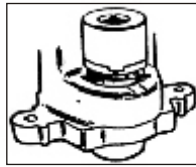
1/2" Square
Drive

No.2021

Disc Brake Caliper Tool

Quickly retract rear disc brake caliper pistons with this individually designed socket. Essential tools for efficient disc pad installation.

Suits: Ford Falcon- XB, XC, XD. Fairlane-ZJ, LTD-FC, GMH Statesman-HJ, HX, HZ. Commodore VB, VC, VH, VK, VL (Later)



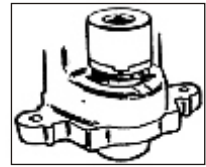
No.2022

Disc Brake Caliper Tool

(1/2" Square Drive)

Quickly retract rear disc brake caliper pistons with this individually designed socket. Essential tools for efficient disc pad installation.

Suits: Ford Falcon-XE, XF. Fairlane-ZK. LTD-FD. (later)



1/2" Square
Drive

No.2023

Disc Brake Caliper Tool

Quickly retract rear disc brake caliper pistons with this individually designed socket. Essential tools for efficient disc pad installation.

Suits: Ford Falcon-EA, EB, ED. Fairlane-NA. LTD-DA.



1/2" Square
Drive

No.2024

Disc Brake Caliper Tool

Quickly retract rear disc brake caliper pistons with this individually designed socket. Essential tools for efficient disc pad installation.

Suits: Mitsubishi Magna.



1/2" Square
Drive

No.2025

Disc Brake Caliper T-Bar Wrench

Quickly retract rear disc brake caliper pistons with this individually designed socket. Essential tools for efficient disc pad installation.

Suits: Mazda-323, 626. Ford Laser, Telstar, Capri, Hyundai, Mitsubishi & Proton.



1/2" Square
Drive

No.2026

Disc Brake Caliper Tool

Quickly retract rear disc brake caliper pistons with this individually designed socket. Essential tools for efficient disc pad installation.

Suits: Nissan including Skyline.

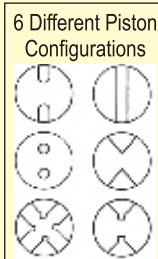


No.2027

Disc Brake Caliper Tool

Quickly retract rear disc brake caliper pistons with this individually designed socket. Essential tools for efficient disc pad installation.

Suits: Nissan Pintara & Ford Corsair.



No.2020

Disc Brake Piston "Cube"

Rotates pistons back into brake calipers when replacing pads. Unique "cube" design provides five drive pin configurations to fit many applications.

For use with 3/8" drive tools.



No.2019

3Pc Disc Brake Caliper Tool Set

Contains three essential tools for retracting rear caliper pistons on most Holden and Ford vehicles.

Set Contains: #2021, #2022 & #2023



No.2018

Disc Brake Pad

8mm Hex Key Wrench

8mm Hexagon wrench with extra long handle. Used on front disc brakes fitted to the following vehicles:

All BMW models (except 5 series). GM vehicles including European models, Ford Fiesta, Escort & VW brake seat fixing on most models from 1980 on.

Handle Length: 6"(150mm)



No.2134

ABS Brake Wind-Back Tool

Specially designed for winding back the brake pistons used on ABS brake systems. The drive head is marked at 90° intervals enabling the user to check the position of the piston without removing the tool, ensuring accurate piston retraction..



Can be used as single
or double pad spreader
with forcing screw bolts

No.2362

Universal Twin

Disc Brake Pad Spreader

Compresses brake pistons for easy pad replacement. Heavy duty pushing plate 3/16"(5mm) with fine thread forcing screws fitted with swivel end caps for applying extra torque that is required on stubborn pistons.

Rear Disc Brake Calliper Tool Sets

These professional quality sets are used for piston retraction of park-brake actuated rear wheel disc brake calipers on most domestic and imported cars. These essential tools provide the correct method of applied torque via the centre mounted hex forcing nut, to advance the piston back into its cylinder whilst simply turning the integral T-bar. No more need to lean heavily on ratchets and extension bars to force the piston home. Helps prevent damage to pistons and boots. They are real time saving tools. Complete kits are housed in blow mold storage cases.



No.2363
Rear Disc Brake Pin Type Caliper Tool Set

Five (2 & 4 pin) adaptors suit most vehicles:
Honda, Mazda, Mitsubishi, Subaru, Toyota, Ford, GM, Chrysler, etc.



No.2366
11 Pc. Rear Disc Brake Caliper Tool Kit

Set includes Heavy duty wind back tool with nine pin type interchangeable heads to fit brake calipers on Mercedes, BMW, VW, GM, Audi, Ford, Honda, Subaru, Mazda, Nissan, Mitsubishi, Toyota, Rover, 4WD, etc. Universal applications.



No.2372
18Pc. Pneumatic Rear Disc Caliper Tool Set

Press air trigger to apply force against piston, then turn handle either clockwise or anti clockwise for left hand or right hand caliper retraction. Universal application.



No.2355
Pneumatic Rear Disc Caliper Tool

Air operated pneumatic rear disc caliper tool. Simply press air trigger to apply force against piston, then turn handle either clockwise or anti clockwise for left hand or right hand caliper retraction. Interchangeable heads from all kits will suit this pneumatic tool.



No. 2373
21Pc. Universal Caliper Wind Back Kit

21 Piece set with 17 interchangeable heads that offer a large coverage of disc brake calipers fitted to today's modern vehicles. Kit includes both left and right hand piston retracting forcing screws. For use on:

Mercedes, BMW, VW, GM, Audi, Ford, Honda, Subaru, Mazda, Nissan, Mitsubishi, Toyota, Rover, 4WD, etc. Universal applications.



No.2371
27Pc. Disc Brake Caliper Rem/Repl. Set

The most comprehensive disc brake caliper wind back kit with 23 interchangeable heads. Some heads are double sided and both left and right hand piston retracting tools are included.

Universal applications
For use on:
Mercedes, BMW, VW, GM, Audi, Ford, Honda, Subaru, Mazda, Nissan,

Mitsubishi, Toyota, Rover, 4WD, Renault, Astra, Volvo, Alfa Romeo, Jaguar, Opel, Fiat, Peugeot, etc.





No.2365

Disc Brake Pad Spreader

Quickly compresses brake pistons for easy pad replacement.
Suits front disc brake applications on most vehicles.



No.2009

Saab Brake Adjusting Tool

Specially designed two pin brake adjusting tool for servicing brake calipers on SAAB motor vehicles.

Pin Size: 4mm

Pin Diameter: 25mm

Length: 7.1/2" (190mm)



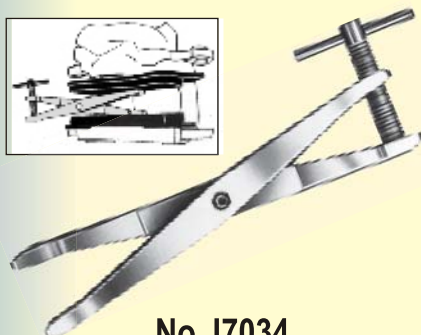
No.2550

Brake Caliper Piston Removing Pliers

For fast easy removal of pistons from disc brake calipers. Jaws adjust to fit both small and large diameter pistons.

Range: 7/8" to 2.3/4"(22 to 70mm)

Length: 10"(250mm)



No.J7034

Disc Brake Pad Spreader

The jaws fit between the new pads being installed, then expand to retract piston leaving both hands free to start the caliper over the rotor. Once started the spreader is removed to slide the caliper the rest of the way. Works on all standard four piston caliper disc brakes.

Length: 6.3/4"(170mm)



No.2375

Forged Disc Brake Pad Spreader

Heavy Duty drop forged construction compresses brake pistons for easy pad replacement.

Suits front disc brake applications on most vehicles.



No.J7680

Disc Brake Pad Spreader

Heavy-Duty forged construction compresses the brake pistons on all style calipers for easy pad replacement. Suits all front and some rear disc brake applications on most vehicles.

Maximum Capacity: 2.3/4"(170mm)

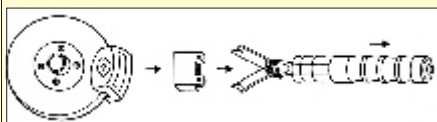


No.2551

Brake Caliper Piston Detaching Pliers

These pliers are designed to remove the piston from the disc brake caliper. Serrated jaws grip firmly inside the caliper piston.

Capacity: 16.5 to 40mm



No.SP7681A

Disc Brake Pad Puller

Features a slide hammer action for quick and easy removal of the brake pad from the caliper.

Pin Diameter: 3/16"(5mm)

Hammer Weight: 2lb(0.9kg)

Length: 8"(200mm)

Extended Length: 12"(300mm)



Heavy square guide keeps jaws parallel when under load

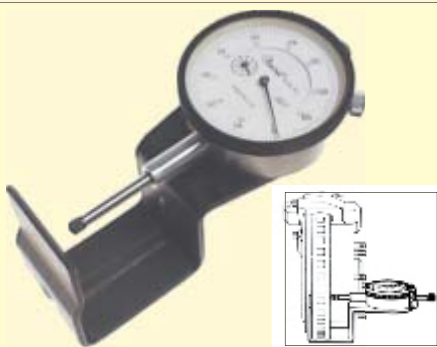
No.J7680HD

H/Duty Forged Disc Brake Pad Spreader

Heavy Duty drop forged construction, compresses on all style calipers for easy pad replacement.

Suits most front & some rear calipers.

Max Capacity: 3.3/4"(95mm)



No.2125

Disc Rotor Thickness Gauge

This compact, versatile gauge is designed to check wear, thickness and score depth (using pointed contact included). Gauge has 1" travel. Supplied in fitted storage box. Reading: 0-50-0 Graduations: .001" Range: .300" to 1.300"



No.2383

Disc Brake Pad Wear Gauge

Measures brake material remaining on pads. Checks without removing caliper. Graduations: 1/32" Range: 1/16" to 5/8"



No.2459

3Pc. Disc Caliper Bolt Socket Set

These sockets are designed for easy removal of brake caliper Torx-r bolts. The Torx-r bit is set into socket head recess, to help maintain alignment, reducing slippage and increasing torque yield. Made of heat treated alloy steel. *Note: Some caliper bolts are glued in, heat may be needed to break seal.*

Available Separately:

No.2461 T-40 Disc Caliper Bolt Socket
No.2462 T-45 Disc Caliper Bolt Socket
No.2463 T-50 Disc Caliper Bolt Socket



**No.MT991
Digital Disc Brake
Rotor Gauge**

To check wear, thickness and score depth on disc brake rotors. External / depth measurement, mm / inch interchange button, zero setting at any position. Range: 0 to 150mm / 0 to 6" Throat Depth: 90mm / 3.5" Resolution: 0.01mm / 0.0005"



No.2380

Brake Resetting Gauge

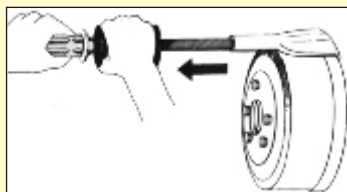
Use gauge to set the proper clearance between linings and drum prior to assembly. Inside calipers measure drum diameters and outside calipers transfer measurement to brake shoes. Knurled knob locks tool at the required measurement. Calibrated in 1/64" & 1 millimeter increments. Range: 6.1/2" to 13.1/4" (165 to 337mm)



No.9222

Brake Drum Remover

Extra fine jaws adjust to reach around frozen brake drums for removal without damage. No need for torches or severe hammering. Tap lightly with hammer on jaw ends to release drum. Note: this tool is not designed to be used as a general purpose puller. Capacity: 17.1/2" (445mm) Diameter



No.J2367

Brake Drum Pulling Adaptor

Use for removal of brake drums. Fits all slide hammers with 5/8"UNF thread. 5/8"UNF Female thread Length: 7.1/2" (190mm)



No.2450

Brake Lining Gauge

Measures brake lining material remaining on brake shoe. First apply the jaws to the brake shoe to set the indicator arrow to 0. This will subtract the shoe thickness from the measurement. Now apply the jaws to the shoe & lining and the correct measurement will show of the lining remaining. Range: 1/64" to 1/2" Graduations: 1/32" & 1/64"



No.2452

Tyre Tread & Brake Lining Gauge

Measures brake material remaining on pads on rivetted and bonded drum shoes and disc brake pads. Plus used for checking tyre tread depth. Checks without removing caliper. Range: 1/16" to 9/16" Graduations: 1/32"





No.QS-2119K Vacuume Brake Bleeding Kit



Air operated vacuum brake bleeder features universal quick connect adaptor to suit most brake bleeder nipples. 2000cc Container has lock on air trigger.
Supplied with # QS-2102 Brake Bleeder Recharging Tank for quick effective brake bleeding and replacement of brake fluid.
Air inlet: 1/4"NPT
Air Pressure: 70 - 170psi
Max Capacity: 2000ml



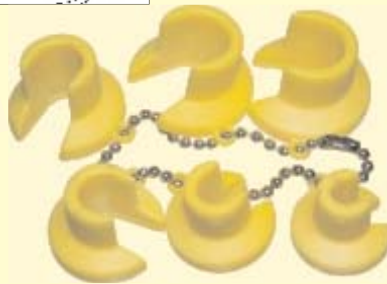
No.J37117 ABS Pressure Switch Socket

This is an essential tool when you're removing or installing the pressure switch on an ABS unit. It features a thin-wall design that works well in tight spaces. 1-1/2" socket opening works on Delco Moraine Powermaster III ABS system on 1989 to '91 Buick Regal, Oldsmobile Cutlass Supreme, and Pontiac Grand Prix.
Size: 1.1/2" x 3/8" Drive



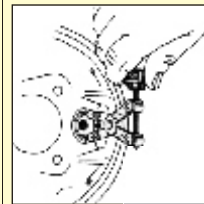
No.2043 10 x 11mm Brake Flare Nut wrench

Heavy duty design brake wrench with extra support collar to prevent slipping when loosening brake line unions. Made from chrome-molybdenum steel.



No.2040 Brake Hose Disconnect Set

One touch type connector release tools. Simply push release tool into connector and pull the hose by hand to separate. For use almost truck and bus brake hose connectors.
Sizes: 6, 8, 10, 12, 15, 16 mm



No.2121 Brake Cylinder Retainer Remover

Expands and holds special retaining ring to allow removal of brake cylinders on late model GM vehicles. Also used to expand axle retaining rings on front wheel drive vehicles.



No.2046 10 x 12mm Brake Flare Nut wrench

Heavy duty design brake wrench with extra support collar to prevent slipping when loosening brake lines unions. Made from chrome-molybdenum steel.



No.2357 Dual Reservoir Brake Bleeder Adaptor

Universal application, pressurizes brake systems with dual master cylinder reservoirs up to 3.3/16" x 6.3/16" (80 x 157mm). Ideal for tandem master cylinders used on disc brake models. Use with #2370 bleeder tank.



No.2011 Universal Spring Hook

Sturdy universal spring hook ideal for removing exhaust pipe springs, seat or tank holding springs and cotter pins.
Length: 8.5/8" (220 mm)



No.2368 One Man Brake Bleeder

Features one-way check valve to prevent air re-entry and a unique spring adaptor which locks hose securely to bleeder nipple.



No.QS-2102 Brake Bleeder Master Cylinder Recharging Tank

Clamp this recharging tank to the master cylinder reservoir, open the tap valve and you can keep the fluid to the correct level whilst bleeding each brake nipple. Now you can leave the vehicle hoist up and complete the job without having to continuously refill the master cylinder.

Tank Capacity: 1000ml

QS-2102CAP Cap Only for #QS-2102



No.2350 Master Cylinder Bleeder Kit

- Fits most vehicles with imperial or metric fittings.
- Can also be used to bleed most hydraulic clutch cylinders.

Allows technician to bleed master cylinders on or off the vehicle.

Aluminum fittings tightly seal both ISO and inverted flair master cylinder ports.

Check valves stop back flow of fluid, eliminating trapped air in cylinder.

Red coloured fittings are for metric sizes.

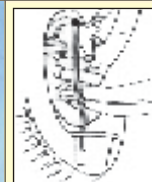
Blue coloured fittings are for imperial sizes. Special thread gauge identifies thread type and size.

Clear vinyl hose allows viewing of air bubbles as the cylinder is bled.

Special hose clip holds return hose in master cylinder.

Kit includes: Metric adaptors:

Qty:	Size:	Qty:	Item:
2	3/8" x 24tpi	1	12mm x 1.50
1	7/16" x 24tpi	1	13mm x 1.50
2	1/2" x 20tpi	4	Check Valves
1	9/16" x 18tpi	4	20" Urethane Tubes
1	9/16" x 20tpi	1	Tube Holder
4	10mm x 1.00	1	Thread Gauge
2	10mm x 1.25	1	Instruction Sheet
1	11mm x 1.50	1	Carry Case
2	12mm x 1.00		



No.2369 Bleed-O-Matic Brake Bleeding Kit

Here's how it works:-

- 1: Magnet holds bottle above the cylinder being bled.
- 2: When bleed screw is opened and the brake pedal pumps fluid into bottle, air bubbles will rise to the top of the fluid and escape.
- 3: When brake pedal is released, fluid only will be drawn back into the cylinder without any air. Some of this fluid will leak past the loosened bleeder nipple temporarily acting as a seal against air re-entering the brake system.



No.2352 Round Brake Bleeder Adaptor

Universal application used on round reservoir master cylinders. Use with #2370 pressure bleeder tank. **Capacity:** 5/8" - 2.3/8"(16 - 60mm) Diameter



No.WH507 Air Brake Bleeder

Complete vacuum brake bleeding kit, works off shop compressed air.

Includes air operated brake bleeder with universal brake nipple adaptor and two master cylinder recharging bottles.

Capacity: 1000ml

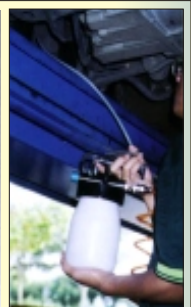
No.WH507SEAL Pot Seal for #WH507



No.2361 Dual Adaptor for Plastic Reservoirs

Fully adjustable unit connects directly to inlet ports of dual master cylinders bypassing the plastic reservoir.

Use with #2370 pressure bleeder tank.



No.QS-2113 Vacuum Air Brake Bleeder

Air operated vacuum brake bleeder features universal quick connect adaptor to suit most brake bleeder nipples. 2000cc Container has lock on air trigger. Use with # QS-2102 Brake Bleeder Recharging Tank for quick effective brake bleeding & replacement of brake fluid.

Air Inlet: 1/4"NPT **Air Pressure:** 70 - 170psi

Max Capacity: 2000ml





No. WH505C

Master Pressure Brake Bleeder Kit

This unit can be used on both standard and ABS brake systems. Features pressure relief and shut off valves, system gauge and quick couplers.

To be used with your compressed shop air.

Comes complete with adaptors to suit most popular applications. **Tank capacity:** 1.1 Gallons (5 Litres)

Set includes: Tank, gauge, valve and hose assembly, Bleeder bottle and brake fluid syringe.

Plus Adaptors: WH505C-01 Thru to WH505C-11

Items Available Separately.

No. WH502	Pressure Brake Bleeder Tank
No. WH500	Pressure Brake Bleeder Adaptor Kit
No. WH505Bladder	Replacement Bladder for WH505 Bleeder Tank
No. WH505BOOK	Instruction Book for Pressure Brake Bleeder
No. WH505GAUGE	Gauge for Pressure Brake Bleeder

Includes rechargeable Air Tank for use in remote areas where there is no compressed air.



WH505A

Portable Pressure Brake Bleeder Kit

Air operated pressure brake bleeder stores air pressure inside tank and can be disconnected from the air supply to use in remote areas.

This unit can be used on both standard and ABS brake systems. Features pressure relief and shut off valves, system gauge and quick couplers.

Comes complete with adaptors to suit most popular applications. **Tank capacity:** 1.1 Gallons (5 Litres)

Set includes: Tank, gauge, valve and hose assembly, Bleeder bottle and brake fluid syringe.

Plus Adaptors: WH505C-01 Thru to WH505C-11

Items Available Separately.

No. WH502AIR	Pressure Brake Bleeder Tank
No. WH500	Pressure Brake Bleeder Adaptor Kit
No. WH505Bladder	Replacement Bladder for WH505 Bleeder Tank
No. WH505BOOK	Instruction Book for Pressure Brake Bleeder
No. WH505GAUGE	Gauge for Pressure Brake Bleeder



Suitable for clutch bleed as well as brake bleed

No. WH505D

Brake Pressure Bleeder Kit with Cabinet

This air operated pressure brake bleeder unit can be used on both standard and ABS brake systems.

Features pressure relief and shut off valves, system gauge and quick couplers.

To be used with your compressed shop air.

Comes complete with adaptors to suit most popular applications.

Tank capacity: 1.1 Gallons (5 Litres)

Set includes: Mobile storage cabinet, Brake Bleeder Tank, gauge, valve and hose assembly.

Bleeder bottle and brake fluid syringe.

Plus adaptors: WH505C-01 Thru to WH505C-11

Size: 410 x 310 x 900 mm **Capacity:** 5L **Weight:** 16Kg

Items Available Separately.

No. WH502	Pressure Brake Bleeder Tank
No. WH500	Pressure Brake Bleeder Adaptor Kit
No. WH505Bladder	Replacement Bladder for WH505 Bleeder Tank
No. WH505BOOK	Instruction Book for Pressure Brake Bleeder
No. WH505GAUGE	Gauge for Pressure Brake Bleeder



No. WH505H

Hand Pump Brake Pressure Bleeder Tank

Hand Pump air operated pressure brake bleeder stores air pressure inside tank by using hand pump. This enables the brake bleeder to be use remotely away from shop air connections.

Portable self contained hand pump will pressure bleed both standard and ABS brake systems.

Features pressure relief and shut off valves, system gauge and quick release coupler. Hand Pump works with all universal adaptors that are available separately for most popular applications.

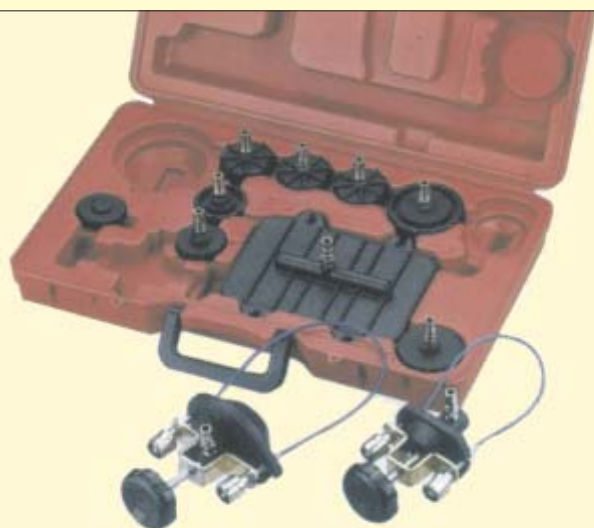
Manufactured from non-corrosive high impact PVC.

Instructions included.

Capacity: 1 gallon (3.5 Litres)

WH505H-GAUGE

Replacement Gauge to suit #WH505H



No. WH500

Master Cylinder Pressure Bleeder Adaptor Kit

Universal adaptor kit supplied with #WH505C, #WH505A & #WH505D

Includes adaptors: #WH505C-01, #WH505C-02, #WH505C-03, #WH505C-04, #WH505C-05, #WH505C-06, #WH505C-07, #WH505C-08, #WH505C-09, #WH505C-10, #WH505C-11.

All adaptors listed separately on following 2 pages.



No. WH505CN

Master Cylinder Pressure Bleeder Adaptor Set

For use with most pressure brake bleeders. This new kit contains master cylinder adapters which cover domestic and import vehicles. This set updates #WH500 set with extra adaptors to suit later model General Motors, BMW, Audi, Nissan, Mazda, Honda, Ford(Aust.).

Includes Adaptors: #WH505C-12, #WH505C-13, #WH505C-14, #WH505C-15, #WH505C-16, #WH505C-17, #WH505C-18, #WH505C-19, #WH505C-20.

All adaptors listed separately on following 2 pages.



No. WH505BOTTLE

Brake Fluid Bleeding Bottle

Brake Fluid supplied bottle that with rubber adaptor to fit onto brake bleeder nipples. Captures fluid when bleeding brakes. Enables fluid to be recycled.

Capacity: 1 Litre



No. WH505SUPPLY

Brake Fluid Supply Bottle

Brake Fluid Supply Bottle comes with hanging strap 1 meter hose with on/off valve and quick release coupler

Enables you to keep master cylinder fully charged. **Capacity:** 1 Litre



No. WH505PUMP

Brake Fluid Syringe

Brake Fluid Syringe is used for transfer of brake fluid from master cylinders, brake fluid bleeding bottles, etc.

Capacity: 500cc



No. WH505-31

Universal Master Cylinder Adaptor

Universal application. Used to connect bleeding system to master cylinder reservoir.

Round: 99.5mm





No.WH505C-01

Brake Bleeder Adaptor

Suits: Chrysler, GM etc.
Size: 1.11/16"(43mm)O.D.
3 Lug bayonet fitting



No.WH505C-02

Brake Bleeder Adaptor

Suits: Chrysler, GM etc.
Use with #WH505C-01 Adaptor
Size: 1.11/16"(43.5mm)O.D.
block off cap. 3 Lug bayonet fitting



No.WH505C-03

Brake Bleeder Adaptor

Suits: Nissan Commercial with
1.15/16"(49.5mm)O.D. Reservoirs
3 Lug bayonet fitting



No.WH505C-04

Brake Bleeder Adaptor

Suits: BMW, Audi etc.
Size: 44.2 x 3.0mm Female Acme
Thread



No.WH505C-05

Brake Bleeder Adaptor

Suits: European cars
Size: 45 x 3.0mm Female Rolled
Thread



No.WH505C-06

Brake Bleeder Adaptor

Suits: European cars
Size: 42 x 3.0mm Female ISO "V"
Thread
No.WH505C-06A (Aluminum)



**No.WH505C-07
Small Universal
Brake Bleeder Adaptor**

Suits: round reservoirs
Size: 1.3/16" to 2.3/16"
(30 to 55mm)



**No.WH505C-08
Large Universal
Brake Bleeder Adaptor**

Suits: round reservoirs
Size: 2" to 3.3/8"(50 to 85mm)



No.WH505C-09

Brake Bleeder Adaptor

Suits: Honda Accord with
2.1/4"(56mm)I.D. Reservoirs
2 Lug bayonet fitting



No.WH505C-10

Brake Bleeder Adaptor

Suits: Nissan Cars with
1.3/8"(34.5mm)I.D. Reservoirs
2 Lug bayonet fitting



**No.WH505C-11
Dual Brake
Bleeder Adaptor**

Suits: Chrysler, GM etc.
For use on tandem reservoirs
Size: 4.3/4" x 7"(125 x 185mm)



No.WH505C-12

Brake Bleeder Adaptor

Suits: Honda vehicles with
2.15/16"(74mm)I.D. Reservoirs
2 Lug bayonet fitting



No.WH505C-13

Brake Bleeder Adaptor

Suits: Honda
2.3/16"(55mm)I.D. Reservoirs
2 Lug bayonet fitting



No.WH505C-14

**Univ. / Dual Reservoir
Brake Bleeder Adaptor**

Suits: European Series & Ford
For use on tandem reservoirs
Size: 2.9/16" x 4.5/8"(100 x 128mm)



No.WH505C-15

Brake Bleeder Adaptor

Suits: Ford
Size: 73 x 3mm Female Thread



No.WH505C-16

Brake Bleeder Adaptor

Suits: Daihatsu
Size: 64 x 3 mm Female Thread



No.WH505C-17

Brake Bleeder Adaptor

Suits: Mitsubishi
Size: 78 x 3mm Female Thread



No.WH505C-18

Brake Bleeder Adaptor

Suits: Nissan (Bluebird).
Size: 77 x 3.0mm Female Acme
Thread



No.WH505C-19

Brake Bleeder Adaptor

Suits: Nissan (Primera)
Size: 2"(50.7mm)O.D.
3 Lug bayonet Fitting



No.WH505C-20

Brake Bleeder Adaptor

Suits: Ford (Escape)
Size: 2"(50.7mm)O.D.
3 Lug bayonet Fitting



No.WH505C-21

Brake Bleeder Adaptor

Suits: Toyota & Lexus

Size: 43mm

Material: Zinc Alloy



No.WH505C-22

Brake Bleeder Adaptor

Suits: Mitsubishi

Size: 35.5mm

Material: Zinc Alloy



No.WH505C-23

Brake Bleeder Adaptor

Suits: Mitsubishi

Size: 34mm

Material: Zinc Alloy



No.WH505C-24

Brake Bleeder Adaptor

Suits: Toyota

Size: 23mm

Material: Zinc Alloy



No.WH505C-25

Brake Bleeder Adaptor

Suits: Honda vehicles

Size: 55mm Outside Diameter

Material: Zinc Alloy



No.WH505C-26

Brake Bleeder Adaptor

Suits: Honda vehicles

Size: 74mm Outside Diameter

Material: Zinc Alloy



No.WH505C-27

Brake Bleeder Adaptor

Suits: Nissan vehicles

Size: 43mm Outside Diameter

Material: Zinc Alloy



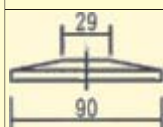
No.WH505C-06A

Brake Bleeder Adaptor

Suits: Mazda vehicles

Size: 55mm Outside Diameter

Material: Aluminum

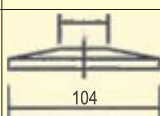


No.WH505C-31

Brake Bleeder Adaptor

Universal application. Used to connect bleeding system to master cylinder reservoir.

Round: 99.5mm

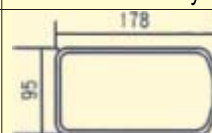


No.WH505C-34

Brake Bleeder Adaptor

Universal application. Used to connect bleeding system to master cylinder reservoir.

Round: 104mm

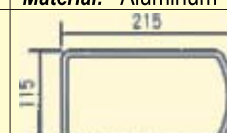


No.WH505C-35

Brake Bleeder Adaptor

Universal application. Used to connect bleeding system to master cylinder reservoir.

Rectangle: 95mm x 178mm



No.WH505C-36

Brake Bleeder Adaptor

Universal application. Used to connect bleeding system to master cylinder reservoir.

Rectangle: 115mm x 215mm



No.WH505C-TC1

Truck Brake Bleeder Adaptor

Suits: Fuso vehicles

Size: 105mm Outside Diameter

Material: Zinc Alloy



No.WH505C-TC2

Truck Brake Bleeder Adaptor

Suits: Isuzu vehicles

Size: 94mm Outside Diameter

Material: Zinc Alloy



No.WH505C-TC3

Truck Brake Bleeder Adaptor

Suits: UD vehicles

Size: 86mm Outside Diameter

Material: Zinc Alloy



No.WH505C-TC4

Truck Brake Bleeder Adaptor

Suits: Hino vehicles

Size: 37mm Outside Diameter

Material: Zinc Alloy



No.2222

Brake and Accelerator Pedal Jack

Trigger controlled unit slides handle to any position on 28.1/2"(720mm) shaft.
Thumb lock releases pressure easily. Use as pedal depressor for brake bleeding.
Also can be use as pedal depressor for accelerator to set engine RPM.
This tool is also available as a set #6014 Steering Wheel Holder & Pedal Depressor Set
Length: 30"(762mm)



No.109

90° Long Reach Internal Circlip Pliers

Specially designed to reach deep into brake caliper cylinders to remove and replace the circlip when installing new brake caliper pistons. Made from heat treated 6140 chrome alloy steel.
Offset Tip Reach: 2.5/8"(65mm) **Length:** 8"(200mm)

No.2135 Disc Brake Dust Boot Installer

Five driver sizes for GM, Chrysler and other imports.
Prevents bending of boot ring and helps prevent damage to the boot. Installs the boot evenly, to seal out water and dust.

Capacity: 2.1/16" to 3.1/8"(52mm to 80mm)



No.2407

Brake Shoe Spreader Pliers

Time saving tool significantly reduces the time it takes to remove and install drum brake wheel cylinders and or rubber boots.
Range: 2.3/8" to 5.5/16"(60 to 135mm)
Cable Length: 32"(815mm)

**Press switch to
turn on Green LED.
Tester has auto-off function**



No.P6512

LED Brake Fluid Tester

Immerse probe of the tester into brake fluid

Green LED= Brake fluid H₂O < 1.5% Brake fluid OK / Battery OK
Yellow LED= Brake fluid H₂O < 1.5 - 3% Low percentage of water
Change within 6 months
Red LED = Brake fluid H₂O > 3% Change Brake fluid

No.WH509 Brake Fluid Tester

This hand held brake fluid tester, tests the fluid condition.
The meter will show if fluid and boiling point condition is acceptable or otherwise. Just insert the probe into the brake fluid reservoir, and press the button for reading.
Range: 130° to 200° with fail / inter / pass coloured scale



No.BFT320

Brake Fluid Safety Meter DOT 4, 5, 6

Features LCD screen instructions. Enables brake fluid testing including racing fluids up to 320° C (609° F) Suit for use all new brake fluids Will read DOT 4, DOT 5 and DOT 6 brake fluid readings. Operates on the 12 Volt car battery.
Supplied to the world's leading brake and brake fluid manufacturers.

*Can also be used on older cars
with rivetted brake linings*



No.2600

Truck & Tractor Brake Rivetter

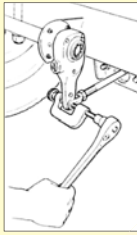
Secure rivetting jig in vice. Select correct size punch and anvil to suit the brake rivet. You are now able to hold the brake shoe and lining in one hand and fasten the rivet using a hammer in the other hand.

Set Contains: Available Separately
2600-11MMROL Roll Punch 11mm.
2600-8MMROLL Roll Punch 8mm.
2600-STAR Star Punch
2600-ANVILS 2 Anvils with Hex Key



No.2-5052 Slack Check for Truck & Trailer Brakes

Quickly & accurately allows you to check the brake adjustment on all class 7 and 8 trucks and trailers with S-cam brake systems, with either manual or automatic slack adjusters. The sturdy four position handle provides the leverage you need at the proper angle for accurate clearance checks.



No.J5057 Truck Brake Clevis Pin Press

The "C" frame press easily removes rusted and corroded air brake push rod clevis pins when servicing truck and trailer brakes. The pin is easily popped out of the most rusted push rod assembly.



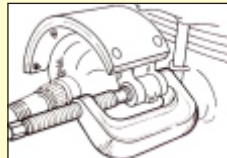
No.J7248 Truck Brake Anchor Pin Press

This rugged forged "C" frame press easily removes the often rusted truck brake anchor pins and bushings. Mechanical screw power does the job quickly with little effort. With this press you can handle truck brake pins up to 1.1/4"(32mm) diameter.



No.2-5017 Brake Drum Handler

Suits mounted brake drums used on truck & trailer brake systems. Roll the brake drum handler into position, turn the metal handle, and roll it on. To reinstall simply roll it into place with stud holes aligned & push it on. Can be used on most heavy brake drums including the popular 15"(380mm) & 16.1/2"(420mm) drums.



No.2-5038 Brake Anchor Pin & Bushing Service Set

This rugged forged 'C' frame press easily removes the often rusted truck brake anchor pins. Mechanical screw power does the job quickly with little effort. With this press you can handle truck brake pins up to 1.1/4"(32mm) diameter.



No.2999 Brake Tool Service Set

General purpose brake service tool kit consists of the following brake service tools:

- #2426 Brake Spring Pliers
- #2044 Brake Shoe Retaining Spring Tool
- #2100 Drum Brake Adjusting Tool
- #2020 Disc Brake Piston Cube
- #J7034 Disc Brake Pad Spreader
- #2121 Brake Cylinder Retainer Remover
- #2459 3Pc. Disc Caliper Bolt Socket Set

No.B20 Truck Air Brake Slack Adjuster

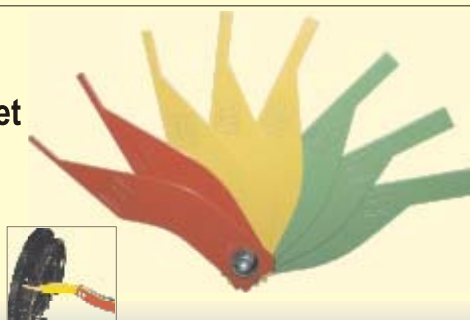


Truck air brake slack adjuster quickly adjusts push rod free play on push rods. Adjusts brakes using appropriate 3/8" drive socket. Used on Timken, Fruehauf, Kay-Brunner & Trailermobil axles. **Length:** 14.5/8"(370mm)

No.2101 8Pc.Manual Brake Gauge Set

This brake gauge gives an accurate measurement of the amount of brake lining left without guess work.

- Red:** 2mm, 3mm
- Yellow:** 4mm, 5mm, 6mm
- Green:** 8mm, 10mm, 12mm



No.J5054 Air Brake Service Kit

This kit includes the tools needed to remove air brake push rod clevis pins, both manual and automatic slack adjusters found on class 7 & 8 truck and trailer brake systems. Supplied in blow mold case.

Available Separately:

- No.J5055 Manual Slack Adjuster Puller
- No.J5056 Automatic Slack Adjuster Puller
- No.J5057 Brake Clevis Pin Press



No.2450

Brake Lining Thickness Gauge

Use to measure amount of lining remaining on riveted and bonded drum shoes and disc brake pads. Measures brake lining depth up to 1/2" in graduations of 1/64". Check brake lining depth after zeroing on brake shoe.



No. 2377

Hand Brake Cable Spring Compress Pliers

To remove and replace the Hand Brake Cable. The Pliers compress the return springs so far that the cable may be easily removed and replaced.

Suitable for VW, Audi, BMW, Nissan, Peugeot, Renault, Rover, Seat, etc.

Length: 8.1/2"(225 mm)



No.2374

Double End Parking Brake Cable Remover

Double ended tool removes parking brake cables from the brake backing plate and chassis mounting bracket. Cylindrical tool ends compress the prongs on the spring fastener easy disassembly. Tool can be used with one hand so other hand can pull the cable. Use the smaller end for Ford Escort, Topaz and Tempo, use the larger end for other vehicles.



No.2038

Brake Caliper Pin Punch Set

Used to safely remove the brake pad retaining pins fitted on GM vehicles. Punches have specially shaped ends for positive location in dowel type retaining pins.

Tip Sizes: 6 x 3mm & 6 x 3.5mm

Lengths: 6"(150mm)



No.2308

4Pc. Tapered O-Ring and Seal Installer Set

Tapered cones enable wheel cylinder o-rings and seals to be installed easily without damage to the brake cylinder assembly.

Sizes: 9/16" (14.4 to 16.0mm)

5/8" (15.9 to 17.5mm)

11/16" (17.5 to 19.1mm)

13/16" (20.7 to 22.4mm)



No.2309

7Pc. Tapered O-Ring and Seal Installer Set

Same as #2308 set except 7 pieces.

Sizes: 9/16" (14.4 to 16.0mm)

5/8" (15.9 to 17.5mm)

11/16" (17.5 to 19.1mm)

13/16" (20.7 to 22.4mm)

15/16" (24.0 to 26.0mm)

1" (25.5 to 27.5mm)

1.3/16" (30.3 to 32.3mm)

1/4" NPT thread
Order air fitting
to suit the female
coupling required



No.2360

Master Cylinder Pressure Bleeding Cap

Suits: Audi, BMW, Mazda, Mercedes Benz, Porsche, Volkswagen and Volvo

Universal cap adaptor for pressure bleeding on brake or clutch master cylinders on European vehicles.

Thread Size: 45mm x 3.5mm Internal thread

Air Fitting: 1/4" NPT thread only



No.2041

27mm 2Pc. Screw-Type Fuel & Brake Hose Crimp Clamps

For use on Brake Hoses, Cooling Systems Fuel lines & Vacuum hoses.

Capacity: 0 to 27mm

Length: 65mm



No.2042

45mm 2Pc. Screw-Type Fuel & Brake Hose Crimp Clamps

For use on Brake Hoses, Cooling Systems Fuel lines & Vacuum hoses.

Capacity: 0 to 45mm

Length: 85mm



No.2045

2Pc. Screw Type Fuel & Brake Hose Crimp Clamps

For use on Brake Hoses, Cooling Systems Fuel lines & Vacuum hoses.

Capacity: 0 to 23mm

Length: 40mm



No. J5058 SAF/Haldex Brake Linkage Adjuster Puller

For use in pulling jammed adjusters off of self-adjusting brake systems on truck trailers and semi-trailers.

Suitable for axles of: SAF / HALDEX annular support type. **Opening:** 64mm



No. J5059 BPW/Berg Brake Linkage Adjuster Puller

For use in pulling jammed adjusters off of self-adjusting brake systems on truck trailers and semi-trailers.

Suitable for the axles of: BPW / Berg 3 segment support type. **Opening:** 64mm



No. 2013 1/4" Drive Anti Rattle Brake Spring Cap Socket

1/4" drive double-ended socket is designed for subcompact brake spring on one end and the larger domestic cars and light trucks on the other.

Industrial finish.
Use with TM4B Driver.

No. A1187

Pneumatic Brake Lining Shoe Loader

This machine is actuated by pneumatic power. It can punch out old rivets quickly and easily, then set new rivets using roll head punches that fasten and secure the lining to the brake shoe.

Interchangeable heads include three rivet remover punches, three roll head rivet fastener punches, and five different diameter anvils to support rivet head.

The machine supplied with air hydraulic pump, 6ft high pressure hose and 3" 10,000psi pressure gauge.



Interchangeable Riveting Heads

- A1187-10 4mm Rivet Remover
- A1187-11 6mm Rivet Remover
- A1187-12 8mm Rivet Remover
- A1187-13 7mm Roll Head Rivetter
- A1187-14 9mm Roll Head Rivetter
- A1187-15 11mm Roll Head Rivetter



Using Rivet Remover Punch



**Using Roll Head Rivet
Securing Punch**



**Rivet remover punch
interchangeable heads**

No. 7488

ABS & Conventional Brake Pressure Tester Kit

Test for leaks or restrictions in the hydraulic portion of both anti-lock and conventional brake systems.

Test the hydraulic pressure available to each wheel assembly.

Allows for balanced testing to ensure pressure is being applied equally to front and rear wheels.

Includes 22 piece adaptor set and full reference and instructions.

Includes: 16 adaptor fittings, 2 Bosch ABS adaptors, 1 Teves / Delco Power Master III adaptor, 1 Ford (Teves) Adaptor, 1 90° Elbow fitting, 1 45° Elbow fitting, bleeder adaptors.

Contents:

Quantity	Description	Quantity	Description
2	3000PSI gauge assembly	2	3/8-24 straight fitting
1	Pressure adaptor	2	5/16-24 straight fitting
1	Teves adaptor	2	M10-1.5 straight fitting
1	45° swivel fitting	2	M8-1.25 straight fitting
1	90° swivel fitting	2	M10-1.0 bleeder adaptor
2	7/16-24 straight fitting	2	7/16-20 straight fitting
2	1/4-28 straight fitting	2	M7-1.0 straight fitting



Large Graduations For Accurate Readings!



No.6919

40psi Racing Tyre Gauge

Dual Scale Readings with Fine Graduations

Professional tyre gauge with flexible braided hose. Push button side valve bleeds air to desired pressure. Needle holds reading until released.

Range: 0 to 40psi (0 to 2.7bar)

Calibration: 1psi (0.1bar) Increments

Gauge Diameter: 4"(100mm)

Supplied in blow mold case.



No.6918

60psi Racing Tyre Gauge

Dual Scale Readings with Fine Graduations

Professional tyre gauge with flexible braided hose. Push button side valve bleeds air to desired pressure. Needle holds reading until released.

Range: 0 to 60psi (0 to 400kpa)

Calibration: 1psi (0.1bar) Increments

Gauge Diameter: 4"(100mm)

Supplied in blow mold case.

60psi (400kpa)



No.6904

Precision Tyre Gauge

Features integral release valve and angled ball chuck.

Supplied with rubber protector guard.

Range: 0 to 60psi (0 to 400kpa)

Calibration: 2psi (20kpa) Increments

Gauge Diameter: 2"(50mm)



No.6908

Tyre Inflator Gauge

Heavy-duty chrome plated metal construction with all brass internal parts. Features swivel dual-foot chuck with tapered chuck nut to fit into wheel cover holes on cars and light trucks.

Calibration: 2psi (20kpa) Increments

Range: 0 to 120psi (800kpa)



0 - 150psi (10bar)

No.6898

Professional Dial Tyre Inflator Gauge

Heavy-duty dual scale window reading tyre gauge with rugged metal construction and all brass internal parts. Features swivel dual-foot chuck with tapered chuck nut to fit into wheel cover holes on cars, trucks etc.

Range: 0 to 150psi (10bar)

Calibration: 2psi (.01bar) Increments

100psi (700kpa)



No.6905

Flex-Hose Tyre Gauge

Professional tyre gauge with flexible braided hose and straight nose chuck for easy access to tyre valves. Push button side valve bleeds air to desired pressure. Supplied in plastic storage case.

Range: 0 to 100psi (0 to 700kpa)

Calibration: 2psi (25kpa) Increments

Gauge diameter: 2"(50mm)



Replacement hose
to suit #6908 Tyre Gauge

No.6909

Hose with Dual Chuck

Premium heavy-duty synthetic rubber hose. Oil and ozone resistant with swivel dual chuck and standard brass 3/8" x 24 thread with O-ring connections.

For use with inflator gauge only.

Thread: 3/8" x 24tpi

Length: 20.1/2"(520mm)



Replacement hose
to suit #6898 Tyre Gauge

No.6898-H

Replacement Hose Assembly

Premium heavy-duty synthetic rubber hose. Oil and ozone resistant with swivel dual chuck and standard brass 3/8" x 24 thread with O-ring connections.

For use with inflator gauge only.

Thread: 12 x 1.00 mm

Length: 14.3/4"(370mm)

160psi (1100kpa)



No.6906

Master Dual Precision Tyre Gauge

Professional tyre gauge with flexible braided hose and dual offset chuck for easy access to dual wheel tyre valves. Push button side valve bleeds air to desired pressure. Needle holds reading until released. Supplied in vinyl pouch.

Range: 0 to 160psi (0 to 1100kpa)

Calibration: 2psi (25kpa) Increments

Gauge Diameter: 2"(50mm)

No.6938

Digital Tyre Tread Depth Gauge

Large LCD display. Zero setting at any position.
Metric/Inch system interchange.
Manual power on/off.
Suitable for tread depth, break shoe and pad wear.
Supplied with SR44, 1.5V Micro button battery.



No.6936

Digital Tyre Gauge

Hi-Tech, solid-state, digital tyre gauge featuring push button operation, high impact case, in-built long-life lithium battery for long service. Complies to British Standards BS4613. Accurate to within ± 2 psi.
Range: 0 to 100psi in 0.5psi increments
0 to 7 Bar (700Kpa) or 0 to 7.0Kg/cm²

No.6936-B Battery for #6936



No.6024

Tyre Depth Gauge

This universal depth gauge is designed to measure the tread depth on both passenger car and truck tyres. Features pocket clip and fine graduations in 1/32" increments.

Base Span: 1.1/4"(32mm)

Depth Capacity: 1" (25mm) **Length:** 3.1/2"(90mm)



No.6933

Dual Safety Chuck with Handle

Double end dual safety chuck with ribbed rubber grip handle and offset fitting for reaching dual wheel tyre valves.

Built in shut-off valve for use on live air. Includes 5/16" tail piece.

Note: Not for use with inflator gauge.

Thread: 1/4"NPT female

Length: 10.1/2"(270mm)



**No.6916-B
Battery for #6916**

0 - 120psi

No.6916

Digital Tyre Gauge

Hi-Tech, solid-state, digital tyre gauge featuring push button operation, high impact case, in-built long-life lithium battery for long service. Complies to British Standards BS4613. Accurate to within ± 2 psi.

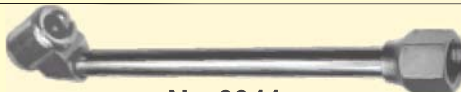
Range: 0 to 120psi in 0.5psi increments

No.6907

Rubber Protector Guard for 2.1/2" Tyre Pressure Gauges



Rubber protective cover to fit all 2"(50mm) tyre gauges.



No.6911

Dual Safety Chuck

Double end offset chuck fitting for reaching into dual wheel valves. Built in shut-off valve for use on live air.

Note: Not for use with inflator gauge.

Thread: 1/4"NPT female

No.6897

Dial Tyre Tread Depth & Pressure Gauge



Features integral release valve & angled ball chuck. Supplied with rubber protector guard.

Range: 0 to 60psi (0 to 400kpa)

Calibration: 2psi (20kpa) Increments

Gauge diameter: 2"(50mm)

Plus a universal depth gauge is designed to measure the tread depth on both passenger car & truck tyres.

Increments: 1/32"(1mm)

Depth Capacity: 7/16"(11mm)



No.6041

Tyre Awl and Reamer

Quality tempered alloy shaft with molded comfort-grip handle.

Shaft: 5"(125mm) **Length:** 8.1/2"(220mm)

Closed Design



No.6913

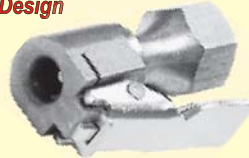
Lock-On Air Chuck

New design solid brass lock-on air chuck. Compact, durable and easy to use. Features closed type valve to shut-off regular (live) air lines.

Note: Not for use with inflator gauges.

Thread: 1/4"NPT female

Flow Thru Design



No.6914

Lock-On Air Chuck

New design solid brass lock-on air chuck. Compact, durable and easy to use. Features open "Flow-Thru" valve to use with tyre changers and inflator gauges.

Note: Not for use with live air lines.

Thread: 1/4"NPT female



No.6910

Clip-On Chuck

Angled ball foot chuck with lock-on clip. Built in shut-off valve for use on live air.

Note: Not for use with inflator gauge.

Thread: 1/4"NPT female





No.6924

German pattern Tyre Lever

Heavy-duty German pattern tyre lever made from high quality drop forged and tempered alloy steel.

Used for tyre removal and installation. Designed for hand use or with tyre fitting machines.

Width: 1"(25mm)

Length: 20"(500mm)



No.6923

24" Heavy Duty "DOWIDAT" Tyre Lever

Heavy-duty German pattern tyre lever made from high quality drop forged chrome vanadium tempered alloy steel. Used for tyre removal and installation. Designed for hand use or with tyre fitting machines.

Width: 1.1/16"(27mm)

Length: 24"(600mm)



No.6927

Truck Tyre Bead Breaking Iron

Heavy duty bead breaker iron. Use with sledge hammer to break the bead on truck, tractor and other commercial vehicles.

Weight: 4lb(1.8kg)

Overall Length: 12.1/2"(320mm)



No.6057

Aluminum Wheel rim protector

A steel protective sleeve to protect the aluminum wheel when using tyre levers for removal and replacement of tyres.

Size: 350 x 160 x 30mm



No.6932

Rubber Tyre Mallet

Heavy-duty, general purpose rubber mallet suitable for removing and replacing of truck and car tyres.

Length: 17"(430mm)

Weight: 2.1/4lb(1kg)



No.6056

Tyre Change Presser

The tyre Change Presser Tool grips onto the bead of the tyre giving the necessary leverage for positioning the tyre bead when removing, replacing or inspecting the tyre wall.

Made from heavy duty reinforced PVC material.

Size: 290mm Length

150mm Width

50mm Groove width



**Lock ring hook
configuration**

No.6928

24" Truck Lock Ring Remover Pry Bar

Heavy duty truck lock ring removing pry bar made from heat treated alloy steel. Used to remove lock rings fitted to truck tyre rims and other heavy commercial vehicles.

Stock Diameter: 7/8"(22mm)

Overall Length: 24"(600mm)



No.6925 Truck Tyre Lever Set (Supplied as a pair)

The heavy-duty truck tyre levers made from chrome alloy steel for removal and replacement of tubeless truck tyres.

No.6925-1 Truck Tyre Lever (Halte Bar)

Heavy-duty truck tyre lever made from chrome alloy steel for removal of tubeless truck tyres. **Length:** 36"(915mm)

No.6925-2 Truck Tyre Lever (Face Bar)

Heavy-duty truck tyre lever made from chrome alloy steel for replacement of tubeless truck tyres. **Length:** 36"(915mm)





No.6042 7 Way Wheel Weight Pliers

Forged chrome alloy steel construction
Removes, installs, trims and reshapes clip-on wheel weights. Features seven different tool functions required when removing and replacing weights. Comfort grip handles.
Overall Length: 9.1/2"(240mm)



No.6040 Wheel Weight Tool

Removes, installs, trims and reshapes clip-on wheel weights. Made from high quality alloy steel with plastic cushion grip handles.
Length: 8.1/2"(215mm)

No.6040-T 3Pc. Replacement Tip Set



No.6801 Tungsten Carbide Tyre Buffer

Ideal metal buffing wheel with coarse grit tungsten carbide surface that will not clog when cleaning and preparing the surface on tyre tubes before applying vulcanizer patches. Can be used for cleaning and sanding any surface where clogging is a problem.
Size: 65mm Diameter 30mm Wide 10mm Shank

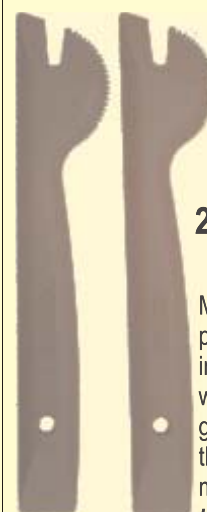


No.6050 Steel Belted Radial Tyre Repair Kit

This set consists of:
A: T-handle probe for hole piercing and conditioning.
B: T-handle open eye rubber insertion tool with a sliding stop that prevents plugging material from being pushed too far into tyre. A simple push and withdrawal is all that is needed to insert the repair plug. Excess compound is then trimmed, flush with tread. Includes enough compound for five repairs. Instructions included.

No.6053 Repair Compound for #6050 Kit

Includes 5 strands of repair plugs.



No.C2147 2Pc. Wheel Weight Remover Set

Made from high impact plastic. Remove and installs clip-on wheel weights. Serrated edge gives a positive grip on the wheel rim without marking or damage.
length: 8" (200mm)



No.NT1800 Nitro Technik Nitrogen Supply Unit

The Nitro Technik Supply Unit creates pure Nitrogen to a 99.5% concentrate. from normal air at the rate of 8.5 liters / min.

Using pure Nitrogen for tyre inflation has many advantages and is recommended by F-1(formular one) racing cars and many other industrial uses. e.g. Creates lower tyre noise, stable pressure, extended tyre life, enhance vehicle controllability, lower tyre deflation risk.

Percentage Rate: 95% - 99.5%

Air Pressure: max 14 kg/cm²

Nitrogen Volume: 8.5 litres/min

Tank Capacity: 80 litres

Dimensions: 520mm x 520mm x 1210mm

Weight: 51 kg



No.A1006 Roller Stitcher

This roller Stitcher features durable all steel handle with roller bearing fitted to the axle shaft making it easier to use and extend its life.





No.6047

Valve Core Remover / Replacer Tool

Slotted ends remove and replace tyre valve cores. Screwdriver handle makes it easy to use. Valve core bore openings are 4.5mm both ends.
Length: 4.1/2"(115mm)



No.6045

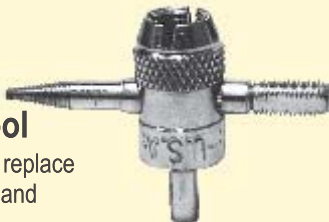
Dual Valve Core Remover/ Replacer Tool

Universal valve core installation and removal tool. One end fits the standard bore cores, the other end fits the larger "B" size bores. Valve core bore openings are 4.5mm and 7.5mm.
Length: 5.1/4"(135mm)

No.6044

Four-In-One Valve Tool

Four-in-one tool will remove and replace tyre valve cores, rethread inside and outside of the valve stem. Easy-out will back out valve cores when the shoulders have been broken off. Made of high grade tempered alloy steel.



No.6046

Snap in Tyre Valve Installer

Simplifies tubeless tyre valve removal and insertion. Swivel head screws onto valve and graduated handle notches adapt to various rim sizes.
Length: 11.1/2"(290mm)

No.2452

Tyre Tread and Disc Brake Brake Lining Gauge

Use to measure the amount of lining remaining on riveted and bonded drum shoes and disc brake pads. Measures tyre tread depth up to 9/16" in graduations of 1/64". Checks brake pads without removing caliper.
Range: 9/16"(14mm)
Graduations: 1/64"



Impact Bead Breakers

Bead breaker loosens beads with bead-breaking foot and ram bar, but never cuts the bead of the tire. The wedge foot is forced between the bead and rim flange. Breaker is designed for shop or road use. No other bead breaking tools required.

No.T24B Impact Bead Breaker (Cars)

Length: 46"(1168mm)
Weight: 13.5 lb.(6.1kg)

No.T26B Impact Bead Breaker (Trucks)

Length: 50"(1270mm)
Weight: 24 lb.(10.9kg)



T24B T26B



No.NP-20A

Pneumatic Tyre Deflator

The NP-20A Pneumatic Tyre Deflator removes all the air from tyre / tube before it is inflated with Nitrogen using the NT1800 Nitro Technik Nitrogen Supply Unit.
Dimension: 360mm x 130mm x 160mm
Power: Shop air supply (pneumatic)
Weight: 1.96 kg



No.NP-20

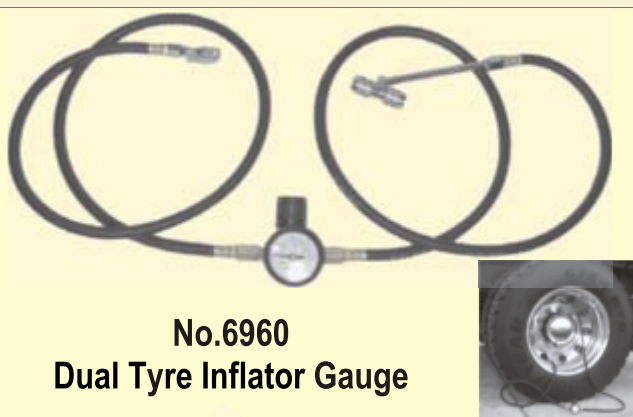
Electrical Tyre Deflator

The NP-20 Electrical Tyre Deflator removes all the air from tyre / tube before it is inflated with Nitrogen using the NT1800 Nitro Technik Nitrogen Supply Unit.
Dimension: 350mm x 170mm x 250mm
Power: 240 volt
Weight: 7.12 kg



No.TC-150 Nitrogen Tank

TC-150 Nitrogen Tank enables you to store an extra 150 litres of Nitrogen that has been generated from the #NT1800 Nitro Technik Nitrogen Supply Unit. Tank is fitted with flow coupler, safety relief valve and pressure gauge.
Dimension: 360mm x 470mm x 1610mm.
Capacity: 150 litres
Weight: 64 kg



No.6960
Dual Tyre Inflator Gauge

The 6960 comes with two four foot hoses with single and dual lock-on air chucks. The regulator can be pre-set to the required pressure shown on the pressure gauge. User can then inflate both dual wheel tyres at the one time. A great time saver when using on large truck tyres.

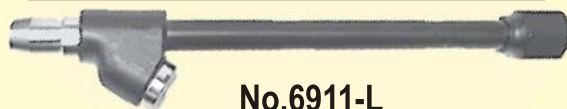
Hose lengths: 4ft (1.2 metre)

Gauge Pressure: 0 to 160psi (0 to 1100kpa)



No.J1772
Light Duty Tyre Caddy

The J1772 Light Duty Tyre Caddy easily slides under any unweighted 14" to 19" wheel. Lifts tyre directly onto hub. Steel pins in tubing keep tyre from sliding off. Steel wheel roller bearing for easy transport of tyre. The handle stores inside tubular frame for compact storage. A real back saver.



No.6911-L
Dual Safety Lock-On Chuck

Locks on valve stem whilst inflating. Double end fitting for reaching dual wheel valves. Built in shut-off valve for use on live air.

Note: Not for use with inflator gauge.

Thread: 1/4"NPT female

No.6913
Lock-On Air Chuck

Closed Design



New design solid brass lock-on air chuck.

Compact, durable and easy to use.

Features closed type valve to shut-off regular (live) air lines.

Note: Not for use with inflator gauges.

Thread: 1/4"NPT female

No.J1770
Dual Wheel Dolly

This heavy-duty Dual Wheel Dolly enables one man to remove, transport and replace dual wheel and tyre assemblies with ease. It handles wheels weighing up to 1500lb(670kg) and any tyre diameter. Hydraulic jack provides 5"(125mm) of lift giving precise control when positioning or lowering lifting arms. A 6ft(1.8m) chain holds wheel assembly safely in place during removal and transportation.

3.1/2"(90mm) swivel casters provide effortless maneuverability.

Capacity: 1500lb(670kg)

Floor space: 45" x 40"(115 x 100mm)

Weight: 170lb(76kg)



No.J1580
Easy Roller Vehicle Positioner

The J1580 Easy Roller Positioner provides the user with an efficient method of moving disabled vehicles around the workshop.

Position an Easy Roller Vehicle Positioner at each wheel of the vehicle. Use the foot pedal to activate the hydraulic lift mechanisms.

Using a Positioner on each wheel the vehicle can be easily moved around the workshop floor.

The Easy Roller Positioner will fit tyre tread with up to 300mm wide.

The heavy duty casters can support up to 700kg per unit.

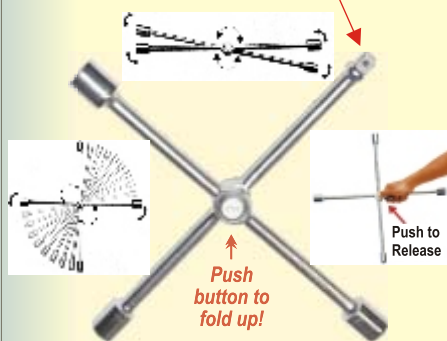
This using four units you can support and position a vehicle up to 2800kg.

Capacity: 1500lb(700kg)

Hydraulic Lift with locking pin.



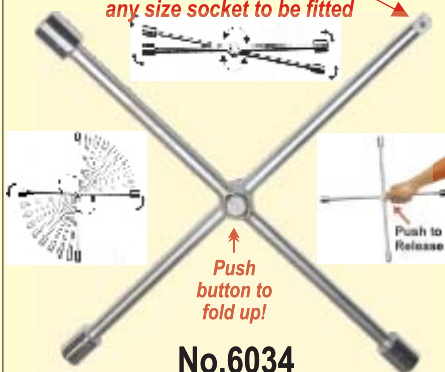
1/2" Square drive enables
any size socket to be fitted



No.6033 14" 4 Way Foldable Wheel Wrench

Chrome alloy drop forged steel with three sizes: 17mm, 19mm & 21mm, plus 1/2" drive to enable any size socket to be fitted.

1/2" Square drive enables
any size socket to be fitted



No.6034 20" 4 Way Foldable Wheel Wrench

Chrome alloy drop forged steel with three size openings to fit most popular wheel nuts & studs: 17mm, 19mm & 21mm, plus one end features a 1/2" drive to enable any size socket to be fitted for extra coverage.



No.6645 Lug Nut Remover Sockets

Deep tough internal reverse threads provide positive grip on damaged lug nuts, fasteners etc. Chrome Molybdenum impact steel. Sockets fit both lug nuts and studs on most vehicles.

Set contains:

No.6645-1 13/16" (21mm) Tapered Lug Nut Remover Socket 1/2" Drive

No.6645-2 1" (25mm) Tapered Lug Nut Remover Socket 1/2" Drive



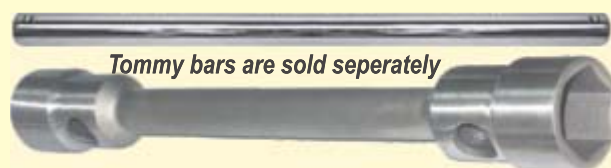
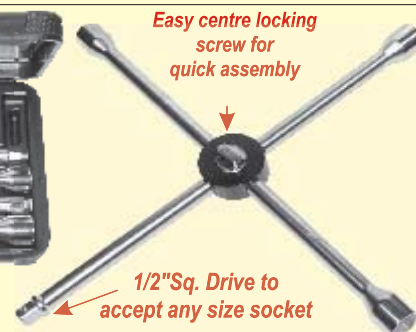
No.TW5000 Heavy-Duty Four Way Truck Wheel Wrench

Suits the most popular three sizes: 1.1/8" (28mm), 1.1/4" (32mm), and 1.1/2" (38mm) with one arm having a 3/4" Sq. Drive to suit any size socket. Drop forged from CR-V 6145 chrome alloy steel.



No.6035 16" Detachable Four Way Wheel Brace

New Patented Four Way Wheel Brace that easily assembles and disassembles by tightening the centre locking screw. All parts when disassembled store neatly into the compact blow mold case. Suits the most popular three sizes: 17mm, 19mm, & 21mm with one arm having a 1/2" Sq. Drive to suit any size socket. Drop forged from CR-V 6145 chrome alloy steel.



Tommy bars are sold separately

Dual Truck Wheel Wrenches

Dual ended truck wheel wrenches are drop forged from CR-V 6145 chrome alloy steel and are available in the following sizes:

Part No.	Size	Length
TW1001	7/8" x 1.1/16 x 5/8" Square	17" (430mm)
TW1002	15/16" x 1.1/16"	17" (430mm)
TW1003	1" x 1.1/16"	17" (430mm)
TW1004	29/32" x 1.3/16"	17" (430mm)
TW1005	1.1/16" x 1.3/16"	17" (430mm)
TW1006	1.1/4" x 1.1/8"	17" (430mm)
TW1007	1.1/16" x 1.5/16"	17" (430mm)
TW1008	1.3/8" x 1.7/16"	17" (430mm)
TW1009	1.1/8" x 1.1/2" x 13/16" Square	17" (430mm)
TW1010	32mm x 17mm Square	17" (430mm)
TW1011	33mm x 17mm Square	17" (430mm)
TW1012	35mm x 17mm Square	17" (430mm)
TW1013	38mm x 21mm Square	17" (430mm)
TW1014	41mm x 21mm Square	17" (430mm)
TW1016	500mm x 19mm Wheel Wrench Bar	19" (500mm)
TW1017	585mm x 25mm Wheel Wrench Bar	23" (585mm)



No.LW100 Lighted Adjustable Lug Wrench Set

High quality lighted adjustable wheel nut wrench. Made from CR-V 6145 chrome alloy steel. Handle extends and locks in any required length from 14" to 21.1/2" (355 to 545mm) for extra leverage. Includes a powerful LED light built into the 1/2" Drive adaptor with a locking pin included to prevent light from turning on when not required. The most four commonly used sockets are included in the set.

Sizes: 17mm (11/16"), 19mm (3/4"), 21mm (13/16") and 23mm (7/8")

All stored in a sturdy blow mold case.



Truck "Budd" Wheel Nut Sockets

Isuzu, Hino, Mitsubishi Fuso

Most American and European Trucks

These two-in-one "Budd" sockets with extra deep design work on American, European and Asian truck "Budd" wheel nuts, allowing you to remove both nut and stud with the one socket on dual wheel applications.

3/4" Drive Budd Wheel Sockets

Part No.	Hex Size	Square Size	Length	Weight
75148B	1.1/2"	13/16"	95mm	1260g
85135B	35mm	17mm	95mm	1165g
85138B	38mm	21mm	95mm	1260g
85141B	41mm	21mm	95mm	1460g

1" Drive Budd Wheel Sockets

Part No.	Hex Size	Square Size	Length	Weight
76148B	1.1/2"	13/16"	90mm	1260g
86133B	33mm	N/A	85mm	1260g
86135B	35mm	17mm	85mm	1260g
86138B	38mm	21mm	90mm	1260g
86141B	41mm	21mm	95mm	1460g



Dual Hex and Square opening
for square head stud and hex head nut



J9905 1" Drive Budd Wheel Socket Set

Includes the five most popular Budd wheel sockets, supplied in a blow mold case.

Sizes : 33mm Hex **Length:** 85mm

included: 35mm Hex x 17mm square **Length:** 85mm

38mm Hex x 21mm square **Length:** 90mm

41mm Hex x 21mm square **Length:** 95mm

1.1/2" Hex x 13/16" square **Length:** 90mm

Volkswagen Impact Axle Nut Sockets

To remove the rear axle nut for brake inspection and service it requires impact force. Remove cotter pin holding axle nut and use sockets with an impact wrench to free the frozen axle nuts. Drop forged heat treated alloy steel.

84036 36mm VW Axle Nut Socket 1/2"Drive **length:** 78mm

84046 46mm VW Axle Nut Socket 1/2"Drive **length:** 78mm

85036 36mm VW Axle Nut Socket 3/4"Drive **length:** 57mm

85046 46mm VW Axle Nut Socket 3/4"Drive **length:** 62mm



84036
85036

84046
85046

J9861 VW Axle Nut Wrench Set

To remove the rear axle nut for brake inspection and service, it requires impact force. Remove cotter pin holding axle nut insert 1/2"Dr. breaker bar to apply force then strike the wrench face with a hammer to free the frozen axle nut.

Drop forged heat treated alloy steel.

*Needed when frozen axle
nuts require force greater
than that of an impact socket*



J9861

J9861A 36mm VW Axle Nut (Cars)

J9861B 46mm VW Axle Nut (Transporter)

74042 1.5/16" Impact Hub Nut Socket

For use on hub nuts fitted to Rovers, Mini's, Austins etc. Also used on steering column nuts found on Rover and Mini vehicles.

Made from chrome alloy steel.

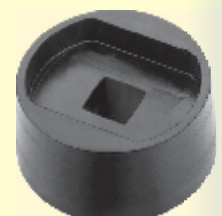
Opening Size: 1.5/16"(33mm) 6 Point

Drive Size: 1/2"Square

*Suits Rovers, Mini's, Austins etc.
Made from Chrome Alloy Steel*



74042



2-5058

2-5058 Freuhauf Radius Rod Bolt Socket

Removing the "Double D" style radius rod bolt from a trailer sub-frame is a difficult job, to say the least!

The unique and odd-shaped bolt seems to defy any method of quick removal. Not any longer. The 3/4"drive radius rod socket fits this unusual bolt head, allowing simple and easy removal using conventional tools.





T1580



T1590



T1550



CW408MS



T1550



T1510

Wheel Torque Socket Extensions

Designed for use with thin wall sockets on recessed wheel nuts. Each extension bar is designed to limit the specified torque. (impact wrench should be adjusted to work within approximate torque range.

T1580 10Pc. Torque Extension Bar Set

Includes torque extensions: 65ft/lb (90Nm), 75ft/lb (100Nm), 80ft/lb (110Nm), 90ft/lb (120Nm), 100ft/lb (135Nm), 110ft/lb (150Nm), 120ft/lb (160Nm), 130ft/lb (175Nm), 140ft/lb (190Nm), 150ft/lb (200Nm).
Supplied in blow mold storage case.

T1590 4Pc. Wheel Torque Extension Kit

Includes torque extensions: 65ft/lb (90Nm), 80ft/lb (110Nm), 100ft/lb (135Nm), 120ft/lb (160Nm).
Supplied in vinyl pouch.

T1595 5Pc. Wheel Torque Extension Kit

Includes torque extensions: 65ft/lb (90Nm), 80ft/lb (110Nm), 100ft/lb (135Nm), 120ft/lb (160Nm), 140ft/lb (190Nm).
Supplied in blow mold storage case.

CW408MS Deep Thin Wall Socket & Torque Extension Set

Includes: 17mm, 19mm, 21mm, 13/16" deep thin sockets with sleeves. 80ft/lb (110Nm), 90ft/lb (120Nm), 100ft/lb (135Nm), 110ft/lb (150Nm). Torque extensions 1/2" Drive. Supplied in blow mold storage case.

Wheel Torque Extensions Individual Sizes: Available Separately

Part No.	Size	Torque	Torque	Colour	Length
E16065	1/2"Dr.	65ft/lb	90Nm	Green	180mm
E16075	1/2"Dr.	75ft/lb	100Nm	Black	180mm
E16080	1/2"Dr.	80ft/lb	110Nm	Yellow	180mm
E16090	1/2"Dr.	90ft/lb	120Nm	Red	180mm
E16100	1/2"Dr.	100ft/lb	135Nm	Blue	180mm
E16110	1/2"Dr.	110ft/lb	150Nm	Brown	180mm
E16120	1/2"Dr.	120ft/lb	160Nm	Grey	180mm
E16130	1/2"Dr.	130ft/lb	175Nm	Crimson	180mm
E16140	1/2"Dr.	140ft/lb	190Nm	White	180mm
E16150	1/2"Dr.	150ft/lb	200Nm	Aqua	180mm
E16175	1/2"Dr.	175ft/lb	240Nm	Black	180mm

Extended Torque Limiting Sockets

These essential wrenches are designed to prevent over-torquing of wheel nuts eliminating expensive hub and wheel damage on later model vehicles with very close torque tolerances.

T1550 5Pc. Torque Limiting Socket Set

Includes: 17mm x 69ft/lb (95Nm), 17mm x 80ft/lb (110Nm), 19mm x 65ft/lb (90Nm), 19mm x 87ft/lb (120Nm), 21mm x 73ft/lb (100Nm).
Supplied in blow mold storage case.

T1510 10Pc. Torque Limiting Socket Set

Includes: 17mm x 55ft/lb (75Nm), 17mm x 80ft/lb (110Nm), 19mm x 65ft/lb (90Nm), 19mm x 80ft/lb (110Nm), 19mm x 100ft/lb (135Nm), 13/16" x 100ft/lb (135Nm), 21mm x 80ft/lb (110Nm), 22mm x 120ft/lb (160Nm), 22mm x 140ft/lb (190Nm), 15/16" x 140ft/lb (190Nm).
Supplied in blow mold storage case.

Individual Sizes: Available Separately

Part No.	Size	Torque	Torque	Colour	Length
T17055	17mm	55ft/lb	75Nm	Green	8"(200mm)
T17080	17mm	80ft/lb	110Nm	Red	8"(200mm)
T17110	17mm	110ft/lb	150Nm	Purple	8"(200mm)
T19065	19mm	65ft/lb	90Nm	Yellow	8"(200mm)
T19080	19mm	80ft/lb	110Nm	Blue	8"(200mm)
T19100	19mm	100ft/lb	135Nm	Grey	8"(200mm)
T26100	13/16"	100ft/lb	135Nm	Brown	8"(200mm)
T21080	21mm	80ft/lb	110Nm	Orange	8"(200mm)
T22120	22mm	120ft/lb	160Nm	White	8"(200mm)
T22140	22mm	140ft/lb	190Nm	Turquoise	8"(200mm)
T30140	15/16"	140ft/lb	190Nm	Green	8"(200mm)
T32140	1"	140ft/lb	190Nm	Beige	8"(200mm)
T34140	1.1/16"	140ft/lb	190Nm	Red	8"(200mm)

Deep Thin Wall Impact Sockets

Special thin wall colour coded deep impact sockets for working on inserted wheel studs & nuts fitted to alloy wheels on late model vehicles. Sockets are fitted with protective sleeves to prevent marking alloy wheels. Also protective inserts are fitted inside the sockets to protect chrome wheel nuts.

CW404MS 5Pc 1/2"Dr. Deep Thin Wall Sockets

Set Contains

Available Separately.

Part No.	Description	Length	Replacement Sleeves
CW404-15	15mm Deep Thin Wall Socket	85mm	CW404-15SV Sleeve
CW404-17	17mm Deep Thin Wall Socket	85mm	CW404-17SV Sleeve
CW404-19	19mm Deep Thin Wall Socket	85mm	CW404-19SV Sleeve
CW404-21	21mm Deep Thin Wall Socket	85mm	CW404-21SV Sleeve
CW404-22	22mm Deep Thin Wall Socket	85mm	CW404-22SV Sleeve



CW404MS

841721 3Pc. Extra Slim Deep Impact Socket Set

Set Contains: 17mm, 19mm, 21mm Extra Slim 1/2"Drive Deep Impact Sockets. For use on alloy wheels with inserted studs / nuts.

Extra Slim Deep Impact Sockets

For use on alloy wheels with inserted studs / nuts.

Available Sizes as listed in table.

Part No.	Size	Drive	Description	Length
84017T	17mm	1/2"	Extra Slim Deep Impact Socket	85mm
84019T	19mm	1/2"	Extra Slim Deep Impact Socket	85mm
84021T	21mm	1/2"	Extra Slim Deep Impact Socket	85mm
84022T	22mm	1/2"	Extra Slim Deep Impact Socket	85mm



841721



84017T
to
84022T

TLIS Torque Limited Impact Socket

TLIS is clutch constructed "Torque Limited Impact Socket" in the forward operation. In reverse it will deliver the full torque of the impact wrench. When tightening the wheel stud the clutch will limit the torque strength to within 95% of the required torque. This prevents the wheel stud from over torqueing. Finally check the torque strength with a torque wrench set to manufactures maintenance specifications.

TLIS3-1 1/2"Drive Torque Limited Sockets 59ft/lb (80Nm)

Includes: TL017 17mm thin wall deep torque limited socket 59ft/lb (80Nm)
TL019 19mm thin wall deep torque limited socket 59ft/lb (80Nm)
TL021 21mm thin wall deep torque limited socket 59ft/lb (80Nm)

Lengths: 100mm. Maximum torque: 59Ft/lb (80Nm)



TLIS3-1 (80Nm)
TLIS3-2 (100Nm)

TLIS3-2 1/2"Drive Torque Limited Sockets 74ft/lb (100Nm)

Includes: TL117 17mm thin wall deep torque limited socket 74ft/lb (100Nm)
TL119 19mm thin wall deep torque limited socket 74ft/lb (100Nm)
TL121 21mm thin wall deep torque limited socket 74ft/lb (100Nm)

Lengths: 100mm. Maximum torque: 74ft/lb (100Nm)



TLIS3C-1 (80Nm)
TLIS3C-2 (100Nm)

TLIS3C-1 1/2"Drive Torque Limited Sockets 59ft/lb (80Nm) With Protective Sleeves

Includes: TLS017 17mm deep torque limited socket with sleeve 59ft/lb (80Nm)
TLS019 19mm deep torque limited socket with sleeve 59ft/lb (80Nm)
TLS021 21mm deep torque limited socket with sleeve 59ft/lb (80Nm)

Lengths: 100mm. Maximum torque: 59Ft/lb (80Nm)

TLIS3C-2 1/2"Drive Torque Limited Sockets 74ft/lb (100Nm) With Protective Sleeves

Includes: TLS117 17mm deep torque limited socket with sleeve 74ft/lb (100Nm)
TLS119 19mm deep torque limited socket with sleeve 74ft/lb (100Nm)
TLS121 21mm deep torque limited socket with sleeve 74ft/lb (100Nm)

Lengths: 100mm. Maximum torque: 74Ft/lb (100Nm)



TL038 (270Nm)
TL041 (270Nm)

TLIS2 1"Drive Torque limited Sockets 200ft/lb (270Nm)

Includes: TL038 38mm thin wall deep torque limited socket 200ft/lb (270Nm)
TL041 41mm thin wall deep torque limited socket 200ft/lb (270Nm)

Lengths: 150mm. Maximum torque: 200Ft/lb (270Nm)



3/4" Drive Wheel Bearing Locknut Wrenches.
Special deep clearance sockets permit the use of an extension and torque wrench to tighten the locknut as required. Sockets are extruded from high strength CDS steel tube; precision openings resist rounding out.



1/2" Drive Wheel Bearing Locknut Wrenches

1900 4WD Wheel Bearing Locknut Wrench

- New 1/2" Drive, to suit most 4WD vehicles
- Size: 2.3/32"(54mm)

2-6006 Dodge Wheel Bearing Locknut Wrench

- Suits Dodge 1/2Ton pickups with Dana 44 & Dana 60 front axles.
- Size: 1.11/16"(43mm)

3/4" Drive 6 Point Wheel Bearing Locknut Wrenches

Part No.	Size	mm Equiv.
1901	2.3/32"	53mm
1920	2.1/4"	57mm
1902	2.3/8"	60mm
1936 (R)	2.3/8"	60mm
1921	2.1/2"	63mm
1904	2.9/16"	65mm
1928 (R)	2.9/16"	65mm
1922	2.5/8"	67mm
1923	2.3/4"	70mm
1932	2.7/8"	73mm
1906	3"	76mm

Part No.	Size	mm Equiv.
1934	3.1/8"	79mm
1908	3.1/4"	83mm
1910	3.1/2"	89mm
1926	3.3/4"	95mm
1912	3.7/8"	98mm
1914	4"	102mm
1915	4.1/8"	105mm
1916	4.3/8"	111mm
1918	4.7/8"	124mm
1939	5.1/4"	133mm

3/4" Drive 8 Point Wheel Bearing Locknut Wrenches

Part No.	Size	mm Equiv.
1903	2.3/8"	60mm
1905	2.9/16"	65mm
1937	2.3/4"	70mm
1944 (R)	2.3/4"	70mm
1933	2.7/8"	73mm
1907	3"	76mm
1935	3.1/8"	79mm
1909	3.1/4"	83mm
1924	3.3/8"	86mm

Part No.	Size	mm Equiv.
1911	3.1/2"	89mm
1925	3.3/4"	95mm
1927	3.13/16"	97mm
1913	3.7/8"	98mm
1940	4.1/8"	105mm
1917	4.3/8"	111mm
1938	4.1/2"	115mm
1941	4.13/16"	122mm
1919	4.7/8"	124mm

3/4" Drive Metric Wheel Bearing Lock Wrenches

Part No.	Size	Type
2-1950M	54mm	6 Point
2-1951M	55mm	6 Point
1959-M	59mm	6 Point
2-1952M	60mm	6 Point
2-1953M	70mm	6 Point
2-1954M	71mm	6 Point
2-1955M	80mm	6 Point

Part No.	Size	Type
2-1956M	82mm	8 Point
2-1957M	90mm	8 Point
2-1958M	94mm	8 Point
2-1962M	100mm	8 Point
2-1959M	106mm	8 Point
2-1960M	110mm	8 Point
2-1961M	120mm	8 Point

Pin Type Wheel Bearing Locknut Wrenches

Part No	Type of Use	Axle	Pins	Pin Size	Ext Dia	Int Dia	Drive
2-7698	Dana -60, Isuzu, Holden Rodeo, Honda, Jeep etc.	R	2	5mmSq	58mm	49mm	1/2"
2-6064	Toyota trucks with full floating rear axles	R	3	6mmRnd	Pitch Circle Dia = 58mm		1/2"
2-7941	Toyota 4WD Lock Out Hubs 4Runner, T100 & Tacoma	F	4	5mmRnd	Pitch Circle Dia = 58mm		1/2"
1970	Manual front hubs on Ford Bronco F250, GM, Dodge, International	F	4	6mmSq	56mm	50mm	1/2"
1976	Ford transit	F	4				1/2"
2-7270	Dana -44, Dodge, Ford Bronco	R	4	6mmSq	60mm	53mm	1/2"
2-7158	Dana -50, 60, GM, Ford F250 4WD	F	4	6mmSq	64mm	58mm	1/2"
2-7269	Dana -80, Ford F250, F350 Rear	R	4	7mmSq	69mm	61mm	1/2"
1971	Some Ford & GM 3/4 -1ton 4WD	F	6	6mmSq	61mm	50mm	1/2"
2-7090A	Some Ford & GM 3/4 -1ton 4WD	F	M<i>ulti	6mmSq	67mm	60mm	1/2"
2-7913	4WD Suzuki late models	F		Variable	58mm	49mm	1/2"
2-1929	GM trucks 5,200lb, 7,200lb	R	6	6mmSq	67mm	60mm	3/4"
2-1930	GM trucks 11,000lb, 13,500lb	R	6	6mmSq	73mm	64mm	3/4"
2-1931	GM trucks 15,000lb, 17,000lb	R	6	6mmSq	92mm	80mm	3/4"

Truck Wheel and Hub Service Tools

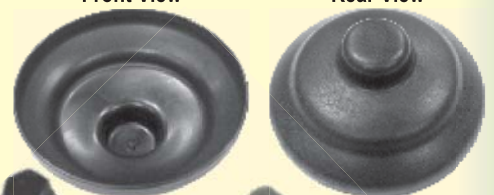
2-5059 Hub Cap Installer

The chrome-plated hub caps used on late model trucks can be difficult to install without damage. They are easily dented, even when hand force is applied. Solution! The #2-5059 installer tool. Constructed of high-density polyethylene, this tool guides the cap into place over the axle nuts as the technician taps the cap into place, without damage.

You have to use it to believe how well this works.

Front View

Rear View

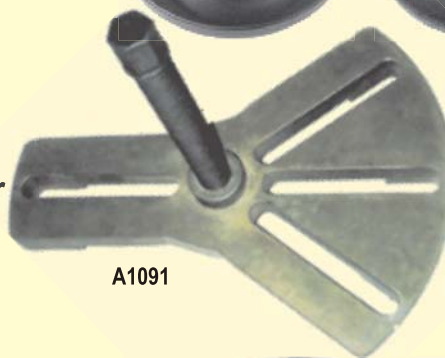


2-5059

A1091 Scania Front Wheel Axle & Hub Extractor

Large diameter two and three way slot puller designed to extract front wheel axles / hub on Scania trucks. Can be use as an extra large general purpose pulling plate.

Circle diameter of slots: 2.1/2" to 12.1/2" (62mm to 320mm)

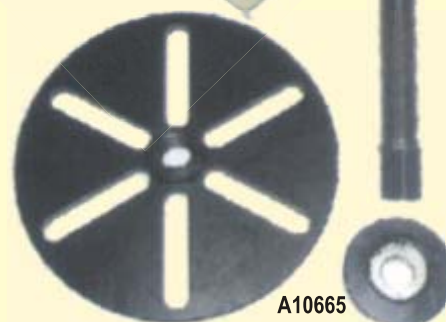


A1091

A10665 Universal Truck Axle Hub Puller

Extra large universal flange plate that wheel suit two, three, four five and six stud axles on many different truck applications.

Circle diameter of slots: 1.1/4" to 10.1/4" (32mm to 259mm)



A10665

J5047 Lug Nut Cap Remover

Chrome-Plated lug nut caps found on many heavy duty trucks and trailers can be tough to remove, and they are easily damaged if you pry them off or use an ordinary cap remover. This tool avoids those problems. It is ruggedly built and features specially coated jaws that wont slip off the caps, no matter how much squeezing force you apply.

Length: 10"(250mm)

Chrome Lug Nut Cap



J5047

9529 Truck 3 Leg Rear Hub Puller

This rugged heavy-duty puller will remove wheel hubs mounted on tapered axles and press fit rear brake drums.

Three legs can be adjusted to an 13.3/8"(340mm) diameter bolt circle and 22mm bolt diameter.

Made from alloy steel, drop forged, this tool can handle the toughest of jobs.

Supplied with striking head wrench.

Maximum Circle Spread: 13.3/8"(340mm)

Centre Screw Diameter: 1.1/2" (38mm)



9529

9529-1 Replacement Leg for #9529 Truck Hub Pullers

A1096 Hydraulic Hub Separator

This Hydraulic Hub Separator consist of a 20 ton hydraulic ram complete with mechanical spindle and five conical washers and nuts. There are two extractor plates one for four stud hubs and the other for five stud hubs. They both have a circle diameter range of 96mm to 126mm and are suitable for most Japanese and Asian vehicles.

Four Stud hub: Honda Accord, Toyota, Mitsubishi

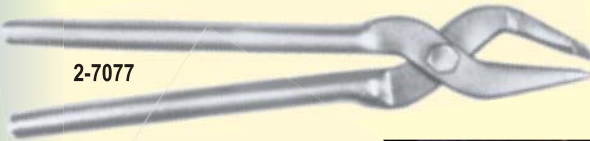
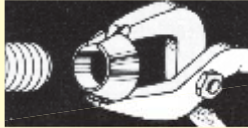
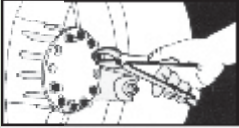
Five Stud Hub: Mercedes Benz, BMW

Circle Diameters: 96mm to 126mm

Hydraulic Force: 20 ton

*Hydraulic pump not included
sold separately*





2-7077

Truck Wheel and Hub Service Tools

2-7077 Axle Stud Cone Pliers

Removes the tapered cone from studs used on medium and heavy-duty truck rear axles. The special V shaped jaws expand and grip the cone to remove it from the stud for axle removal.

Length: 8.3/4"(220mm)

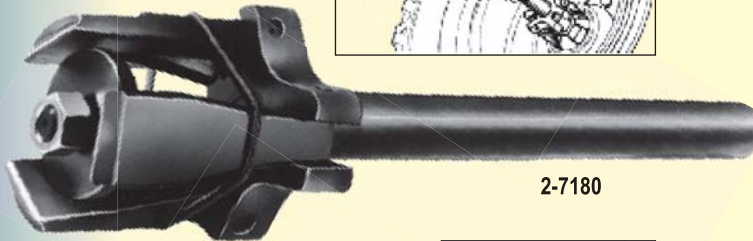
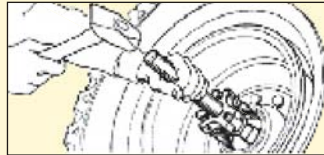


2-5085

2-5085 Truck Hub Oil Seal Extractor

Unique pulling head designed easily removes hub seals on trailer and truck axles including truck steering axles. Eliminates bearing and hub damage when a punch and hammer is used to remove the seal.

Length: 28"(710mm)



2-7180

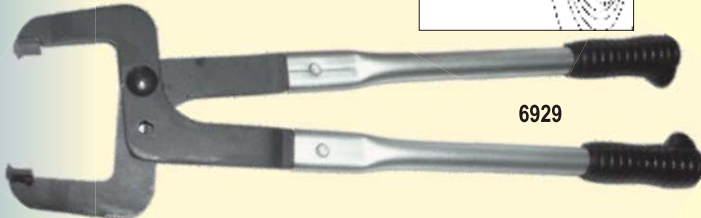
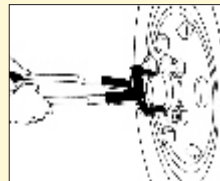
2-7180 Truck Universal Bearing Cup Remover / Installer

Designed for removing and installing wheel bearing cups on truck, tractor and trailer wheels from 11,000 to 50,000lb capacity. Simply adjust and lock the jaws to the desired cup ID, slip on the new cup, put it all in place, and hit the handle with a hammer.

Tool does the job without any damage to bearing face.

Range: 3.5/8" to 6.1/2"(92 to 165mm) Bearing cup dia.

Length: 18"(450mm)



6929

6929 Truck Hub Grease Cap Pliers

Long handle pliers with sharp tapered jaws to grip behind the grease caps on commercial vehicle hubs. Jaws have six position adjustments to cover all diameter caps.

Minimum Opening: 3/4"(19mm)

Maximum Opening: 6"(150mm)

Overall Length: 19.1/2"(495mm)

**Recessed centre
hub to clear
protrusions**



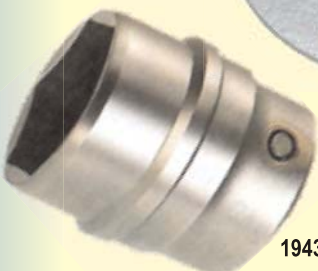
TA09

TA09 Large Multi-Hole Flange Pulling Plate

A multi-hole general purpose flange pulling plate. The Centre hub is recessed to fit over axle or hub protrusions.

Pulling plate has a bolt circle diameter of up to 8.1/4".

Plate diameter: 8.1/4"(210mm)



1943

1943 36mm Hub-Nut Protractor Socket Fiat / Lancia

Special alloy 36mm 3/4" Drive 6 Point Socket designed for use on the hub nut of Fiat and Lancia. FIAT Croma / Tempra, LANCIA Thema

Drive: 3/4" square drive.

Size: 36 mm 6-point.

1/2" Drive Wheel Bearing Locknut Wrenches

J1960 1/2" Dr Wheel Bearing Locknut Socket Set

Seven piece 1/2" drive set specially made for wheel bearing locknuts. Use with an extension or a torque wrench. Supplied in blow mold case.

(R) Fits special round cornered hex nut on Dana axles of some Ford trucks

Set Contains:

Available separately

Part No.	Hex	Size	mm Equiv.	Drive
J1951M	6Pt	55mm	-	1/2"
J1902	6Pt	2.3/8"	60mm	1/2"
J1936	6Pt(R)	2.3/8"	60mm	1/2"
J1921	6Pt	2.1/2"	63mm	1/2"
J1929	6Pt(R)	2.1/2"	63mm	1/2"
J1904	6Pt(R)	2.9/16"	65mm	1/2"
J1923	6Pt	2.3/4"	70mm	1/2"



No.9524
Rear Axle Flange Nut Socket

4 Lug for Mercedes Benz Rear Axles

This special 4 lug socket removes rear axle flange slotted nuts on Mercedes Benz models 107, 114, 115, 116 & 126 axles with CV joints when replacing axle seals and bearings.



No.4800D
47.5 mm Scania Shock Absorber Spring Washer Removal Socket

Special heavy duty socket to suit BPW rear axles hub retaining cap nuts found on later model of Japanese commercial trucks, tractors & other automotive industrial equipment. **Size:** 47.5 mm x 34.5 mm
Applicable: BPW-6T



No.4800D
37.4 mm Scania Shock Absorber Spring Washer Removal Socket

Special heavy duty socket to suit BPW rear axles hub retaining cap nuts found on later model of Japanese commercial trucks, tractors & other automotive industrial equipment. **Size:** 37.4 mm x 28.5 mm
Applicable: BPW-6T



No.1947
BPW Rear Hubcap Nut Socket

Special heavy duty eight point socket to suit BPW rear axle hub retaining cap nuts found on later model Japanese commercial trucks, tractors and other automotive industrial equipment.

Male Hex Drive: 1.5/8"(41mm)

Size: 4.5/16"(109mm) 8 Point opening



No.1948
BPW Rear Hubcap Nut Socket

Special heavy duty eight point socket to suit BPW rear axle hub retaining cap nuts found on later model Japanese commercial trucks, tractors and other automotive industrial equipment.

Male Hex Drive: 1.5/8"(41mm)

Size: 4.3/4"(120mm) 8 Point opening



No.1949
BPW Rear Hubcap Nut Socket

Special heavy duty oval shape socket with two flats on the side to suit BPW rear axle hub retaining cap nuts found on later model Japanese commercial trucks, tractors and other automotive industrial equipment.

Male Hex Drive: 1.5/8"(41mm)

Size: 4.3/8"(111mm) Across the flats



Wheel Hub and Bearing Pullers

9519 Universal Hub Puller (Three Leg)

This rugged heavy-duty puller will remove wheel hubs mounted on tapered axles and press fit rear brake drums. Three legs can be adjusted to an 8"(200mm) diameter bolt circle. Made from alloy steel, drop forged, this tool can handle the toughest of jobs. Supplied with striking head wrench.

Maximum Circle Spread: 8"(200mm)

Centre Screw Diameter: 1" (25mm)

9518-1 Replacement Leg for #9519 Hub Pullers

9518 Universal Hub Puller (Four Leg)

This rugged heavy-duty puller will remove wheel hubs mounted on tapered axles and press fit rear brake drums. Four legs can be adjusted to an 8"(200mm) diameter bolt circle. Made from alloy steel, drop forged, this tool can handle the toughest of jobs. Supplied with striking head wrench.

Maximum Circle Spread: 8"(200mm)

Centre Screw Diameter: 1" (25mm)

9518-1 Replacement Leg for #9518 Hub Pullers

J8250 Hydraulic and Mechanical Rear Wheel Hub Puller

Features a 5 Leg Puller with slide through centre bolt forcing screw for impact action plus a 10 ton hydraulic ram with extension pieces.

This rugged H/Duty puller will remove wheel hubs mounted on tapered axles and press fit rear brake drums.

The legs can be adjusted to an 8"(200mm) diameter bolt circle. Made from alloy steel, drop forged, this tool can handle the toughest of jobs. Supplied with striking head wrench.

Maximum Circle Spread: 8"(200mm)

Centre Screw Diameter: 1.3/8"(35mm) **10Ton Hydraulic Ram**

9520 Flange Type Rear Axle Puller

Universal application on rear wheel drive cars and most light trucks fitted with flanged type axles. Slots in the pulling yoke permit use on axles with 4, 5 or 6 studs in the circle. The five pound sliding hammer makes short work of this normally difficult task.

Hammer weight: 5lb(2.3kg)

Stud Circle Range: 4.1/2"-5.1/2"(115-140mm)

Shaft Length: 21"(535mm)

Shaft Thread: 5/8"UNF

9521 Axle Pulling Attachment

Universal application on rear wheel drive cars and most light trucks fitted with flanged type axles. Slots in the pulling yoke permit use on axles with 4, 5 or 6 studs in the circle.

Stud Dia. Range: 4.1/2"-5.1/2"(115-140mm)

Thread: 5/8"UNF

J7494 Rear Axle Bearing Puller Set

For removal of semi-floating rear axle bearings. The new design allows you to capture the bearing firmly, distributing the pulling force over the entire bearing. Set includes three pullers to service most domestic cars. Use with 5/8"-18 UNF thread slide hammers. Pullers also available separately.

J7495 Rear axle bearing puller . Fits minimum bearing tube 1" I.D. maximum axle tube 1.7/8" I.D.

J7496 Rear axle bearing puller . Fits minimum bearing tube 1.5/16" I.D. maximum axle tube 2.3/8" I.D.

J7497 Rear axle bearing puller . Fits minimum bearing tube 1.3/8" I.D. maximum axle tube 2.7/8" I.D.

Three Leg
Puller

9519

Four Leg
Puller

9518

Five Leg Puller

J8250

9520

9521

J7494

Hub Bearing and Wheel Service Tools

J6400 Adjustable Wheel Bearing Lock Nut Wrench

Adjustable jaws to suit both 6 point and 8 point wheel bearing lock nuts from 1.3/4"(45mm) to 5.5/8"(145mm).

Design features a locking mechanism to ensure jaws are rigid to prevent slipping on narrow lock nuts. Includes three pairs of pins for use on pin type locknuts

Supplied in blow mold case.

Range: 1.3/4"(45mm) to 5.5/8"(145mm)

Replacement Pins:	Available Separately:
J6400-6MPIN	1/4"(6mm) pins (pair)
J6400-8MPIN	5/16"(8mm) pins (pair)
J6400-10MPIN	3/8"(10mm) pins (pair)

High Torque, 3/4"Dr. with 1/2"Dr. Adaptor



J6400

T63455 Deluxe Hubcap & Wheel Lock Removal Kit

Set includes the following:

- 1: Dual sided tapered lug nut socket 7/8"(22mm) to 1.1/8"(28mm)
- 2: Dual sided tapered lug nut socket 3/4"(19mm) to 15/16"(24mm)
- 3: Dual sided twist thread socket 3/4"(19mm) to 13/16"(21mm)
- 4: Hole through socket 18mm
- 5: Singe end socket 15mm
- 6: GM spline hubcap lock remover 14mm
- 7: Ford/Chrysler hubcap lock remover 14mm
- 8: Extractor Punch
- 9: Socket Installing Driver



T63455

6219 Wheel Cover Remover / Installer

Designed to remove and replace wheel covers and hub caps more easily. Features fine curved tip to get behind the edge of covers and the correct weighted rubber head will replace them without damage.

Length: 11"(280mm)



6219

J6050 Wheel Hub Resurfacing Kit

Rust buildup on brake rotors can cause pulsation and diminished braking. The kit attacks the rust on lug studs and rotors on the hub assembly faster & easier. Works on most domestic & imported vehicles with either front or rear disc brakes.

The sanding pads attach with velcro to the tool.

Use with electric or air hand drill.



J6050

A1056 44.5mm 2 Pin Axle Hub Nut Socket

Special 1/2"Drive two pin socket used for removing and installing hub nuts on Mitsubishi, FWD vehicles.

Pin Diameter: 6mm **Circle Diameter:** 44.5mm



A1056
A1057

A1057 50mm 2 Pin Axle Hub Nut Socket

Special 1/2"Drive two pin socket used for removing and installing hub nuts on Nissan, Suzuki FWD vehicles.

Pin Diameter: 6mm **Circle Diameter:** 50mm



Wheel Stud Alignment Guides

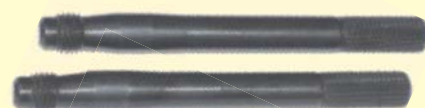
Assists when mounting wheels with long lug bolts.

Applicable to all Mercedes Benz with lug bolts.

6526 12mm x 1.5mm Alignment Guides

Length: 4.3/4"(120mm)

Thread: 12 x 1.5 mm

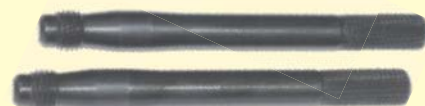


6526

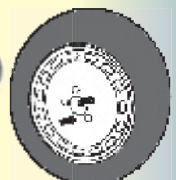
6526A 14mm x 1.5mm Alignment Guides

Length: 4.3/4"(120mm)

Thread: 14 x 1.5 mm



6526A



Hub Bearing and Wheel Service Tools



9528



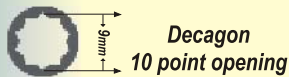
J7718



J7469



6032

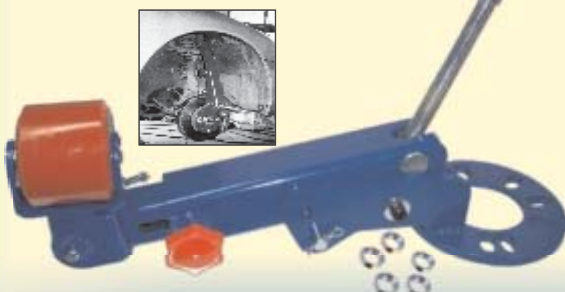


Decagon
10 point opening



A1147

A1148



9528 Universal 4WD Front Hub Puller

For removal of the front hub assembly, necessary for wheel bearing or brake rotor service. Provides the mechanical advantage and straight pull not possible with a slide hammer.

Serves the following: 1988-2000 GM 1/2 ton, 3/4 ton and 1 ton trucks, Tahoe, Suburban, and Yukon; 1994-2000 Dodge 1/2-ton, 3/4-ton, and 1-ton Ram trucks; 1997-2000 Ford 1/2-ton trucks and Expeditions; 1998-2000 Ford 3/4-ton and 1-ton trucks and Excursions; and 1985-2001 Jeep Cherokee.

J7718 Ford Front Hub Installer

Installer is used to pull the axle shaft into the front hubs on Ford vehicles.

Fits axle shafts with thread diameters:

20mm x 1.5mm Pitch Thread

22mm x 1.5mm Pitch Thread

J7469 Mercedes Benz Rear Wheel Bearing Remover and Installer

This precision machined tool is used for removing and replacing the rear wheel bearing found on Mercedes Benz rear axles.

This tool is also used for the installation of the rear axle flange.

Suits Mercedes Benz models: 124, 129, 201 and 202.

6032 5Pc. Wheel Stud Rethreader Kit

Properly repairs and renews damaged threads on wheel studs found on most Australian, American, European and Asian cars and light trucks.

Die Nut Sizes: 7/16" x 20, 1/2" x 20,
12 x 1.25mm, 12 x 1.5mm

Thread File Sizes: 20tpi, 1.25mm, 1.5mm pitch

A1147 9mm Decagon Deep Impact Socket

Special 10 point deep impact socket used on fasteners fitted to triplet aluminum alloy steel ring extractors on Mercedes Benz trucks.

Size: 9mm 10point opening x 1/2" Drive

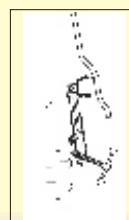
A1148 11.5mm Decagon Deep Impact Socket

Special 10 point deep impact socket used on fasteners fitted to triplet aluminum alloy steel ring extractors on Mercedes Benz trucks.

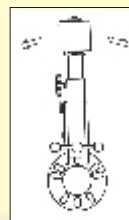
Size: 11.5mm 10point opening x 1/2" Drive

JS-622 Fender Reforming Tool

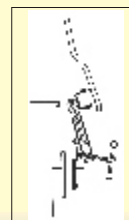
1. Enlarge fender wheel arches to fit larger rims and wider tyres.
2. Fender reforming for damaged panels
3. Universal mount for 3, 4, & 5 lug hubs



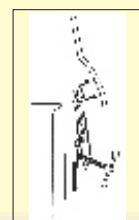
Dent before repair



Left & Right Movement



Under Repair



Repair Completed



No.6028B

CV Boot Clamp Plier with torque 1/2"Drive

For use on eared clamps.
Design allows use of torque wrench for accurate settings.
Plunger can be deactivated. **Length:** 9.1/2"(240mm)



No.6038

Driveshaft Cover Tie Clamp Crimping Pliers

Special design Driveshaft Tie Pliers for crimping the drive shaft bellows ties.
Suitable for Oetiker fittings. **Length:** 9.1/2"(240mm)



No.J7686

Front Wheel Drive Bearing Remover & Installer

You can save a couple of hours on front wheel drive wheel bearing service. Your service manual tells you to remove the knuckle assembly from the car, press it apart and back together. No more! This tool lets you remove and replace front wheel bearings with the steering knuckle and strut assembly still on the vehicle. And because the spindle assembly isn't removed, there's no need to do a front end alignment after the service work is done.



No.7502

4WD Front Wheel Spindle Puller

Use to remove the front spindle to access the inner needle bearing for lubrication and alignment of front wheels. Services full-size GM, Ford, Jeep, and International four wheel drives with Dana front axles. Has 5/8"UNF thread to fit T&E #9556 Slide Hammer.
Fits Spindle Thread Sizes: 2" x 16TPI, 1.5/8" x 16TPI, 38mm x 1.5mm



No.6025

FWD Spindle & Axle Rethreader Kit

Repair mushroomed, corroded and damaged threads with this seven piece die set. All dies have the same 1.1/4"(32mm) hex size. Stored in high impact plastic case.

Metric: 20 x 1.5mm, 22 x 1.0mm, 22 x 1.5mm,
24 x 1.5mm, 24 x 2.0mm

Imperial: 3/4" x 20tpi, 13/16" x 20tpi



No.6026

Master FWD & Axle Rethreader Kit

This 20 piece set will repair or renew damaged threads on stub axles/spindles on most vehicles. Dies are made from high tempered steel for strength and durability. All dies have the same 1.1/4"(32mm) hex size. Stored in high impact plastic case.

Imperial Sizes: 11/16" x 24, 3/4" x 16, 3/4" x 20, 13/16" x 20,
27/32" x 20, 7/8" x 14, 1" x 14.

Metric Sizes: 16 x 1.0, 16 x 1.5, 18 x 1.5, 19 x 1.5, 20 x 1.0,
20 x 1.25, 20 x 1.5, 22 x 1.0, 22 x 1.5, 24 x 1.5,
24 x 2.0, 25 x 1.5, 27 x 2.0.

No.T9504

Master CV Drive Shaft Adaptor Set

This special design slide hammer with 12 imperial and metric adaptors will fit most front wheel drive spindles, to enable the safe removal of the joint from the half shaft while changing broken dust boot covers.

Adaptors Included:

18 x 1.5mm: Suzuki 19 x 1.5mm: Toyota
20 x 1.0mm: Nissan, Daihatsu
20 x 1.5mm: Nissan, Mazda 20 x 1.75mm: Universal
22 x 1.0mm: Nissan,
22 x 1.5mm: Nissan, Honda, Mitsubishi, Daihatsu, Mazda, Subaru
24 x 1.5mm: Nissan, Honda
26 x 1.5mm: Honda 30 x 1.5mm: Universal
5/8" x 18tpi: Mini 7/8" x 14tpi Adaptor: Mini
Slide Hammer 4lb(1.8kg) hammer weight





*Set includes metal frame,
tapered cone and lubricant*

No.6031

CV Joint Boot Installing Tool

Designed for fast & efficient installation of uni-fit boots on to the CV joint. Apply lubricant to the cone then using the metal frame, stretch the boot, to the end of the cone. Finally place over the CV joint to fit boot into place. The cone & boot should be lubricated before each use.

Length: 16"(410mm)



No.6030

CV Boot Installing Tool

Designed for fast & efficient installation of uni-fit boots on to the CV joint. The metal tip of the cone is for placing in a vise. Apply lubricant to the cone then stretch the boot, to the end of the cone. Finally place over the CV joint to fit boot into place. The cone & boot should be lubricated before each use.

Length: 16"(410mm)

**Pneumatic
Operation**



No.6036

CV Boot Installing Tool

Designed for fast & efficient installation of uni-fit boots on to the CV joint. By adjusting the air control switch the expanding fingers stretch the boot, to the size required. Finally place over the CV joint to fit boot into place. The boot should be lubricated before each use.

Length: 16"(410mm)



No.972

Earless Type

CV Boot Clamp Pliers

Works on earless type clamps. Crimps the band on CV boot clamps during installation of new boots

Length: 7"(180mm)



No.J9943

CV Drive Joint Inserters

Uniquely designed pliers made specifically to securely hold the drive shaft circlip in place to enable the CV joint shaft to be driven into position.

Made from chrome alloy heat treated steel.
Length: 10.1/2"(270mm)



No.6039

CV Joint Circlip Remover

Miniature CV joint circlip remover has three positive ratchet action locking positions. Super fine jaws. Cam action joint.

Made from chrome alloy heat treated steel.
Spread: 1/8" to 13/16"(3mm to 21mm)
Overall Length: 2"(50mm)



No.6126

Earless Type

CV Joint Boot Clamp Pliers

Special tips on pliers allow mechanic to grip clamp in many positions to tighten clamp around boot. For use on notched clamps and earless type clamps. Fitted with comfort grip handles.

Length: 9.3/8"(240mm)



No.6127

Ear Type

CV Joint Boot Clamp Pliers

For use on eared clamps. Plunger works on a cam action when pliers are squeezed to the closed position. Also installs Perma-Quick type clamps used on filter, cooling system and vacuum lines. Fitted with comfort grip handles.

Length: 9.3/8"(240mm)



No.6128

Ear Type 90° Offset

CV Joint Boot Clamp Pliers

Unique 90° offset design for working in confined areas. Allows you to work on large size boot clamps, top plate on pliers flatten the crimp. Use on eared clamps. Also installs Perma-Quick type clamps used on filter, cooling system and vacuum lines. Fitted with comfort grip handles.

Length: 9.3/8"(240mm)



No.7084

Offset CV Boot Band Cutter

Special design angle head cutters to reach into areas to cut the stainless steel clamps without damaging the CV boot. Spring loaded action with heat treated SK3 steel jaws and comfort grip handles.

Length: 8"(200mm)



No.7088

CV Boot Band Cutter

Special design to easily cut the stainless steel clamps without damaging the CV boot. Spring loaded action with heat treated SK3 steel jaws and comfort grip handles.

Length: 8"(200mm)



No.6029

Earless Type CV Boot Clamp Pliers

Special tips on pliers allow mechanic to grip clamp in many positions to tighten clamp around boot. For use on notched clamps and earless type clamps. Ratchet will lock for ease of use.

Length: 8"(200mm)



No.6028

CV Joint Boot Clamp Pliers

For use on eared clamps. Design allows use of torque wrench for accurate settings. Plunger can be deactivated.

Length: 12"(300mm)



No.7085

CV Clamp Tensioner

Works on all vehicles with band-type boot clamps. A clamp must be installed correctly after servicing to prevent moisture and foreign material from entering the constant velocity joint area. This tool permits fast and proper installation of those clamps with ease.

Length: 8.7/8"(225mm)



No.7083

CV Clamp Tensioner with Built-in Cutter

Heavy-duty version of #7085 with built in cutter. Works on all vehicles with band-type boot clamps. A clamp must be installed correctly after servicing to prevent moisture and foreign material from entering the constant velocity joint area. This tool permits fast and proper installation of those clamps with ease.

Length: 8.7/8"(225mm)



No.6027

CV Boot Remover and Replacer

Designed to install and remove CV joint boots and retaining rings. Fits all GM and front wheel drive cars with stamped retainer rings.

Length: 14"(355mm)



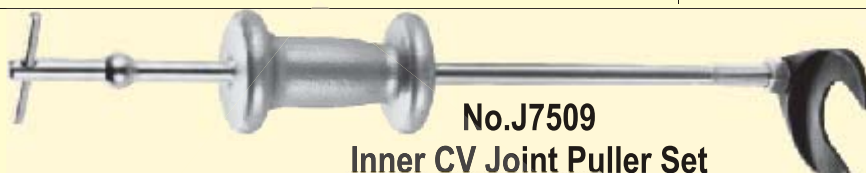
No.7086

CV Joint Inner Race Driver Punch

This specially designed punch allows for easy removal of stubborn CV joints with frozen internal snap rings.

Acts on inner race without damage to case or housing.

Length: 8.1/2"(210mm)



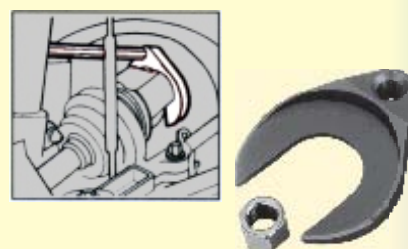
No.J7509

Inner CV Joint Puller Set

Pulls CV Joints having hidden retaining rings without causing damage to the roller bearing inside the CV joint. Axle assembly is popped out of the transaxle without damage, due to the straight even pull provided by the 5lb slide hammer.

Length: 25" (530mm)

Weight: 6.1/4lb (3kg)



No.J7507

Inner CV Joint Fork

Can be used with any slide hammer.

Thread: 5/8"UNF



No.J7508 Slide Hammer Extension

Used to extend slide hammer shaft to reach axle assembly.

Size: 5/8"UNF male & female.

Length: 18"(450mm)



OF535 FWD Hub Separator and FWD Bearing Remover and Installer Set

Supplied in two blow mold cases. (Complete set)

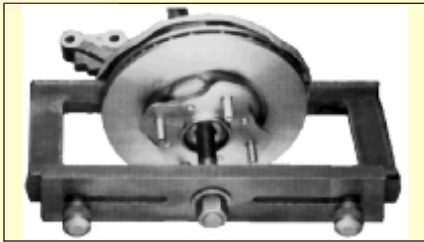


Set No. OF533

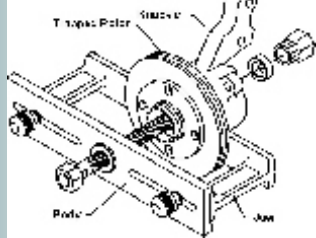
Set No. OF530

Push Puller pushes against steering knuckle pulling hub with centre screw using an impact wrench.

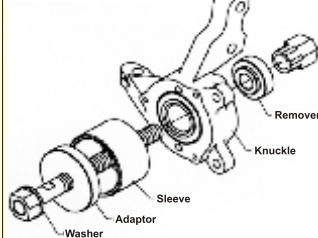
Long arms will fit over trapped rotors.



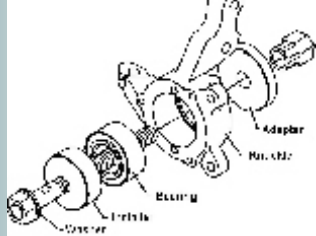
Removing Hub



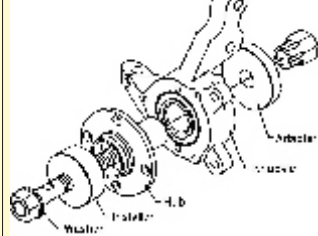
Removing Bearing



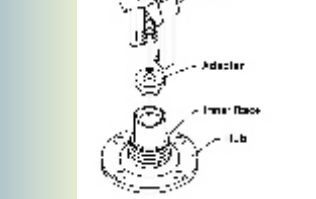
Installing Bearing



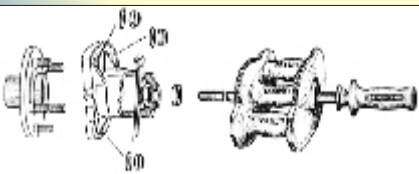
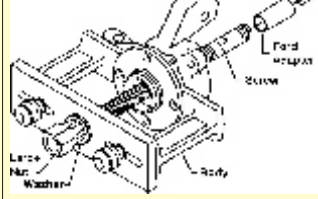
Installing Hub



Removing Inner Race Cone



Installing Ford Drive Shaft



9601

9999



9999

Front Wheel Drive Hub Separator

OF533 FWD Hub Separator

Remove hub with the knuckle on the vehicle

Remove the wheel, caliper, axle nut and the steering knuckle from the lower control arm. Push the half shaft axle back through the hub. Mount the Hub Puller with the Centre Screw through the hub and place the hub Remover Adaptor behind the hub, put the big nut on behind the Removing Adaptor. Now turn the Centre Screw with an impact wrench and off comes the hub.

No dropped parts!

The steering knuckle stays in place!

The front end alignment is not altered!

Fully illustrated instructions included.

Set includes: Push Puller, Small and large Hub Adaptors, Ford Tapered Shaft Adaptor and Inner Bearing Cone Puller to remove old bearing cones from hub shaft. Complete kit housed in deluxe carrying case.

Front Wheel Drive Bearing Remover & Installer

OF530 FWD Bearing Remover & Installer Set

Remove bearing with the knuckle on the vehicle

Select a cup adaptor and sleeve, place the cup against the knuckle with the Centre Screw through the cup and hub with the Remover and nut behind the bearing on the Centre Screw.

Turn the Centre Screw with an impact wrench and the bearing will move out of the knuckle into the cup. *No flying pieces!*

Set the new bearing in the steering knuckle

Place the installer over the bearing with the Centre Screw through the knuckle, lock the large nut on the back of the knuckle with the Adaptor and the Installer will square and seat the bearing.

Set the hub in the bearing:

Use the Installer and Adaptor as you did with the bearing to square and seat the hub. Notice the hub will turn against the bearing as it is being pressed. *Equalizing installation pressures!* Replace the half shaft through hub, bolt Knuckle to lower control arm, torque axle nut, fit caliper and wheel. Job is now finished - *Alignment is unchanged!*

Fully illustrated instructions included.

Set consists of:

- 4 x Bearing receiving cup sleeves
- 4 x Bearing receiving cup adaptors
- 4 x Bearing removing adaptors
- 4 x Bearing installing adaptors
- 1 x 9" x 7/8" Forcing screw with thrust nut and washer
- 1 x Deluxe carrying case

Heavy-Duty Slide Hammer Hub Remover

9601 Universal Hub Puller Adaptor

When used with the #9999 Rhino Slide Hammer this tool will remove 95% of all front wheel drive hubs. Has a replaceable 3/4" UNF hardened flange nut.

The elongated hole pattern will adapt to almost all front wheel drive hubs fitted to Australian, American, European and Asian vehicles.

Stud circle range: 5" (125mm) Capacity

Rhino 16lb Slide Hammer

The most powerful slide hammer available Rhino is designed for pulling front wheel drive hubs using T&E #9601 Universal Hub Puller Adaptor. Its powerful, 16 pound weight is invaluable whenever a heavier hammer is needed. Its uses are virtually unlimited in the automotive field. **Hammer weight:** 16lb (7kg) **Shaft thread:** 3/4" x 16UNF. **Length:** 25" (635mm)

Front Wheel Drive Hub Separator

SP8512 Universal Hub Separator

Essential tool for replacing front wheel drive brake discs, wheel, bearings etc. Highly efficient "acme" thread on both forcing and adjusting screws.

Attaches to hubs with bolts not straps making the separator highly secure. Suitable for the following vehicles: Mazda, Ford, GM, Toyota, Mitsubishi and many more front wheel drive vehicles.

Supplied in blow mold case with instructions.

Replacement parts:

SP8512-1 Centre Screw for #SP8512

SP8512-2 Centre Nut for #SP8512

SP8512-3 Centre End Leg for #SP8512

SP8512-4 Centre End Leg Nut for #SP8512



SP8512 Set

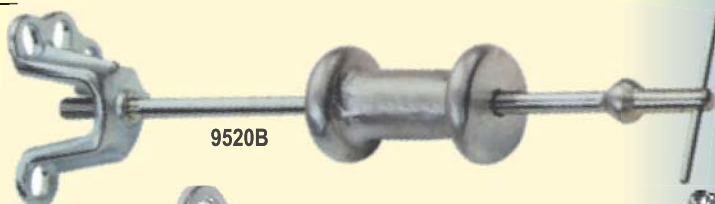
9520B Slide Hammer FWD Axle Puller

Universal application for pulling front hubs on front wheel drive cars. Force is achieved using a 5lb slide hammer.

Stud circle range: 3.3/8" to 5" (85 to 125mm)

Shaft length: 21" (535mm)

Shaft thread: 5/8" UNF



9520B

YC0001 Hydraulic Front Hub Puller

Universal application for removing front hubs on front wheel drive cars. Hydraulic ram applies 10 ton of working force and does the job without damage to the wheel bearings.

Capacity: 3.1/8" to 5" Stud circle (80 to 127mm)
: 10 Ton hydraulic force

YC8005 Hydraulic Ram to suit #YC0001 Puller

YC8005-R Repair Kit for #YC8005 Hydraulic Ram



YC0001

9522 Front Wheel Drive Axle Puller

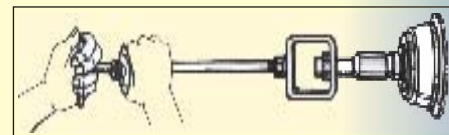
Easily removes the half shaft from CV joints on most popular front wheel drive vehicles.

Simply secure shaft through opening in adaptor.

Use with #9556 or any 5/8" UNF slide hammer.



9522



9523 FWD Hub Puller

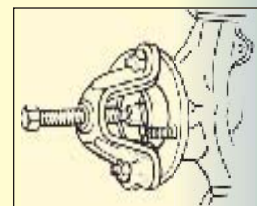
Universal application for pulling front hubs on front wheel drive cars. Applies up to 5 tons of working force and does the job without damage to wheel bearings. Takes the hassle out of front wheel brake and bearing maintenance.

Stud circle range: 3.1/8" to 5" (80 to 125mm)

Forcing screw diameter: 5/8" UNF



9523



9525 Front Hub Remover & Installer

Here are 4 tools that make front hub service work easier. The universal puller removes front hubs from most front wheel drive cars without damaging wheel bearings. The installers are used to replace the hub onto the axle shaft on Ford vehicles.

Set includes: Three installers with metric threads.

Hub remover to push axle from the shaft with the forcing screw or a slide hammer.

Locknut for slide hammer supplied.



9525

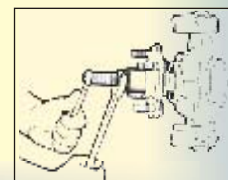
J7135 FWD Front Hub Installer

Ensures proper installation of spline half shafts that are interference fit into the front hub. Required for servicing bearing, CV joints, Trans-axles etc.

Suits most Ford front wheel drive cars.



J7135



Front Wheel Drive Bearing Remover & Installer

2-7946 Master Front Wheel Drive Bearing Tool Set

Remove and replace front wheel bearings with the steering knuckle and strut assembly still on the vehicle. Eliminates the need for a front end alignment after the service is carried out. Works on both local and imported front wheel drive cars and vans.

9655 Master Front Wheel Drive Bearing Tool Set

This 27 Piece set has the same components as 2-7946 without the slide hammer and axle flange plate. Remove and replace front wheel bearings with the steering knuckle and strut assembly still on the vehicle. Eliminates the need for a front end alignment after the service is carried out. Works on both local and imported front wheel drive cars and vans.

6069 Front Wheel Drive Bearing Service Set

The set includes all the special receiving cups, adaptors and pulling attachments for servicing front wheel bearings on later model Audi, Ford, GM, Opel, Volkswagen, etc.

Suits: VW, Audi, Opel, Ford

A2099 Front Wheel Drive Axle Puller

Front wheel drive axle puller has a adjustable wire loop that clips onto the axle enables you to pull out the axle using the slide hammer.

Length: 39.1/2"(1005mm)

Hammer weigh: 5lb(2.2kg)

Front Wheel Drive Spindle Nut Sockets

Extra deep impact socket needed for removal and installation of front wheel drive axle nuts. Single hex design prevents slippage and distortion of axle nuts caused by various size axle lengths.

6037 7Pc. FWD Axle Spindle Nut Socket Set

Extra deep impact sockets needed to remove and install front wheel drive axle nuts.

Deep single hex design prevents slippage and distortion of axle nuts caused by various size axle lengths.

All Sockets are 1/2"Drive.

Sizes: 29mm, 30mm, 32mm, 34mm, 35mm, 36mm & 38mm.

Length: 3.1/2"(90mm)

Individual sizes

Available Separately

6017 29mm FWD Axle Nut Socket

Length: 3.1/2"(90mm), 1/2"Square Drive 6 Point Opening

6021 30mm FWD Axle Nut Socket

Suits: Holden Camira and other Australian, Japanese & European popular FWD's

Length: 3.1/2"(90mm), 1/2"Square Drive 6 Point Opening

6022 32mm FWD Axle Nut Socket

Suits: Australian, Japanese & European full size FWD's

Length: 3.1/2"(90mm), 1/2"Square Drive 6 Point Opening

6016 33mm FWD Axle Nut Socket

Suits: Latest model Toyota's.

Length: 3.1/2"(90mm), 1/2"Square Drive 6 Point Opening

6018 34mm FWD Axle Nut Socket

Length: 3.1/2"(90mm), 1/2"Square Drive 6 Point Opening

6019 35mm FWD Axle Nut Socket

Length: 3.1/2"(90mm), 1/2"Square Drive 6 Point Opening

6023 36mm FWD Axle Nut Socket

Suits: Audi, VW: Polo, Touareg, BMW:E36

Length: 3.1/2"(90mm), 1/2"Square Drive 6 Point Opening

6020 38mm FWD Axle Nut Socket

Length: 3.1/2"(90mm), 1/2"Square Drive 6 Point Opening



2-7946



9655



6069



A2099



6037



6017 Thru to 6020



No.9508 Universal Steering Wheel Puller

The No.9508 puller will remove steering wheels from most passenger cars, light and medium trucks. The 5/8" x 5" centre screw has a floating swivel for maximum flexibility.

Cross block:

4"(100mm)Long x 3/8"(10mm) wide slots

Bolt Sizes:

- 2 x 1/4" UNF x 3" long
- 2 x 5/16" UNF x 3.1/2" long
- 2 x 3/8" UNC x 4" long
- 2 x 5/16" UNC x 4" long
- 2 x 8 x 1.25mm x 80mm long



No.J7793 Steering Wheel Puller Set

Removes steering wheels on most vehicles, with or without telescoping tilt steering columns. Includes five sets of cap screws & the steering wheel lock plate compressor to remove or install the snap ring.

Cross block:

4"(100mm)Long x 3/8"(10mm) wide slots

Bolt Sizes:

- 2 x 5/16" UNF x 3.1/2" long
- 2 x 5/16" UNC x 3.1/2" long
- 2 x 3/8" UNC x 3.1/2" long
- 2 x 8 x 1.25mm x 90mm long



No.J8505 Universal Harmonic Balancer & Steering Wheel Puller Kit

Two pulling flange plates in one set.

Small Plate Dia: 1" to 3.11/16"(25 to 95mm)

Large Plate Dia: 1.1/8" to 5"(28 to 125mm)

Bolt Sizes:

3 only 5/16" UNC x 3.1/2" Long Puller Bolts
3 only 5/16" UNF x 3" Long Puller Bolts
3 only 3/8" UNC x 3" Long Puller Bolts
3 only 3/8" UNF x 3" Long Puller Bolts



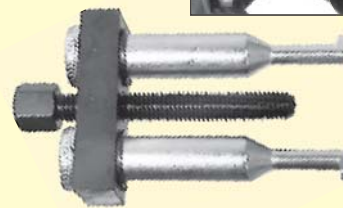
No.J8503 Steering Wheel Puller

This puller has multiple applications. It removes steering wheels on most late model cars, plus works as a 2/3 way flange puller to remove pulleys and small engine flywheels.

Diameters: 1" to 3.11/16"(25 to 95mm)

Bolt Sizes:

- 2 of 5/16" UNC x 3"Long
- 2 of 5/16" UNF x 3"Long
- 2 of 3/8" UNC x 3.1/2"Long



No.9509 Hook Type Steering Wheel Puller

• Suits GM, Ford and many other vehicles

Supplied with 2 pairs of hooks for use on steering wheels without threaded holes.

Reach: 3.1/8"(80mm)

Hook Centres: 1.3/4"(45mm)



No.J8200 GM Steering Wheel Puller Legs

GM eliminated the tapped holes in the steering wheel boss on late model cars and vans, making these puller legs the only way to remove the wheel without damage.

They are used with **T&E** Steering Wheel Puller #9508 or J7793 to get behind the steering wheel boss to give a straight, even pull. **Length:** 4.1/4"(110mm)

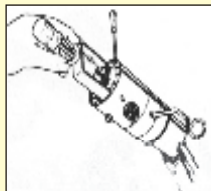


No.9505 Hook Type Steering Wheel Puller Set

For Opel, Ford and many other cars. long and short pulling arms.

FT-690BL long pulling arm. **Length:** 135mm

FT-690BS short pulling arm. **Length:** 87mm



No.9539 Steering Wheel Lock Plate Remover

Here is the tool to remove and install the lock plates in steering columns.

Has adaptors to fit both 9/16"UNF and 14 x 1.5mm threads. Bridge plate prevents possible damage to steering column.



No.J7889 GM Tilt Steering Pivot Pin Remover

ilt and telescoping steering columns are much easier to service when your tool box has one of these pivot pin removers in it. Works on 1969 to current GM, Chrysler, and Ford vehicles with Saginaw steering column.



Has trigger controlled ratchet adjusting mechanism and thumb lock release



No.6014

Steering Wheel Holder & Pedal Depressor Set

For holding and locking steering wheel into position while adjusting the toe angle on the front wheels. Also includes a long extension rod for depressing clutch, brake and accelerator pedals. Supplied in blow mold storage case.



No.J7928

8Pc. Steering Rack Tie Rod Remover Set

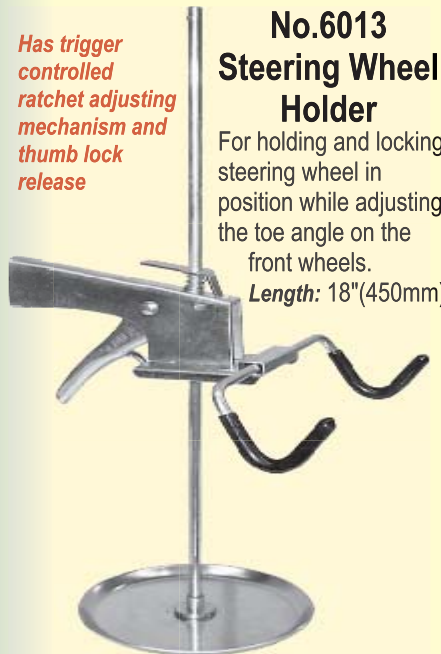
Many inner tie rod end sockets do not have a complete hex on the full length of the socket. The rounded socket ends prevent access to the wrench flats. This tool utilizes 7 crowsfoot wrenches. Sizes: 14mm, 17mm, 33.6mm, 1.3/16", 1.1/4", 1.5/16", 1.7/16", to engage on the nut flats. The long socket then slips over the tie rod and connects to the crowsfoot. Now, the tie rod can be removed and installed without removing the rack from the car.

Has trigger controlled ratchet adjusting mechanism and thumb lock release

No.6013 Steering Wheel Holder

For holding and locking steering wheel in position while adjusting the toe angle on the front wheels.

Length: 18"(450mm)



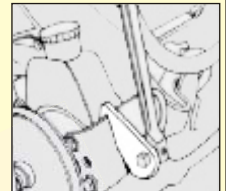
No.J7888

Universal Steering Wheel Pivot Pin Remover

Removes the pivot pin on GM, Ford and Chrysler tilt and telescoping Saginaw steering columns. Includes an extra cap screw.

Instructions:

1. Screw cap screw into pivot pin at least 4 full turns.
2. Hold cap screw from turning with 9/64" hex wrench while turning jack nut with 1/2" wrench to pull pivot pin from steering column.



No.7017

Power Steering Belt Tightener

- Improved design prevents breakage
- Made from heat treated steel tool. Tightens belt on GM type Saginaw pumps. Slips over bracket to eliminate damage to pump housing. Eight point 1/2" drive opening for use with ratchet or breaker bar.



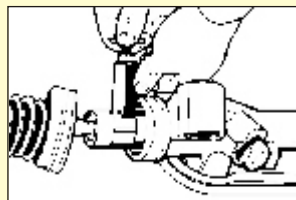
No.4522

Power Steering Tester Set

Complete with 13 adaptors to fit most cars and trucks Heavy-duty liquid filled gauge for testing defects in power steering pumps, boxes, gears and lines. Detailed instructions & vehicle specifications included.

Range: 0 to 2000psi (0 to 140bar)

Gauge Diameter: 2.1/2"(65mm)



No.J7122-R

Lock Pin Remover

Removes tie rod inner socket retaining pin on Ford vehicles with rack and pinion power steering.



No.88444

Honda 4 Wheel Steer Rear Toe Tool

Installs to lock the rear steering gearbox before setting rear toe on the Honda Prelude etc. with four wheel steering (4WS). Instructions included.



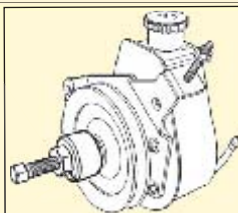
No.9540 Power Steering Pump Pulley Puller

Removes pressed on single and double groove pulleys on power steering pumps and alternators.
Also removes alternator bearings.
Adjustable thumb screws hold jaws firmly against two position (double size) puller body.
Openings: 1.1/4" & 1.3/4"(32mm & 45mm)
Length: 7"(180mm)



No.J7185 Power Steering Pulley Remover

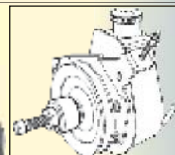
Removes pulleys on most Chrysler, Ford, GM, and VW vehicles, including Saginaw, Thompson, and the Ford C2 power steering pumps. Also removes press-on water pump pulleys. The #J7185 works on pulleys with hub diameters of 1.1/8", 1.1/4", 1.5/16" and 1.3/8"(28 to 35mm). With split collet design, the jaws grip the pulley flange for damage free removal. Mechanical screw power does the actual pulling.



No.9587 Power Steering Pump Pulley Remover & Installer

- Revolutionary new design
- Two tools in one**

Removes and installs Saginaw, Thompson, Bishop Bendix, TRW and Ford C-4 power steering pump pulleys with grooved hub assemblies. Features a two-sided flange which also fits most alternator pulleys with grooved centre hubs.
Suits hub diameters:
1.1/8"(28mm), 1.1/4"(32mm), 1.5/16"(33mm), 1.3/8"(35mm).



No.9542 Power Steering Pump Pulley Installer

Power steering pump pulley installation should never be attempted without the aid of this tool. The special forcing screw threads into pump shaft while the hex forcing nut (with built-in thrust race) exerts force through the forcing screw only, therefore transferring no load to delicate pump assemblies. Thread is 3/8"UNC to fit the thread of the pump shaft.

No.9542-B Bearing With Nut for #9542
No.9542-C Forcing Screw for #9542



No.9541 Power Steering Pump Pulley Installer

Power steering pump pulley installation should never be attempted without the aid of this tool. The special forcing screw threads into pump shaft while the hex forcing nut (with built-in thrust race) exerts force through the forcing screw only, therefore transferring no load to delicate pump assemblies. Threads are 3/8"UNC to fit the threads of the pump shaft.

No.9541-B Forcing Screw for #9541



No.2-7932 Ford Vacuum Front Hub Release Tool Set

The only way to remove Ford's new vacuum hub without breaking it is with this tool set. These hubs are plastic, so standard removal tools simply will not pull them without damage. The removal clips slip into the slots on the hub to release the connection, and the puller contains the clips and hub for removal. Designed for 1998 and newer 4X4s with vacuum front hubs.
Suits: Rangers, F-250s, F-350s etc.



No.J7830 Power Steering Pump Pulley Kit

Everything you need to remove and install pulleys. Works on Ford, GM and Chrysler vehicles with Saginaw, Thompson and Ford C111 and C2 power steering pumps.

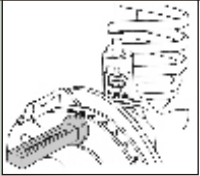
Fits: 1.1/8" 1.1/4", 1.5/16" and 1.3/8"(28 thru 35mm) pulley hub diameters including 1988 and newer GM cars equipped with Quad 4 engines 1991 and newer GM minivans with 3 Lt. and 3800 V6engines 1991 to current.
Fits Fords 4.6L engines with a metric shaft.
Also included in the blow mold case is the #J7244 disconnect tool.



No.9588 Power Steering Pump Pulley Remover & Installer

Removes and installs Saginaw, Thompson, Bishop Bendix, TRW and Ford C-4 power steering pump pulleys with grooved hub assemblies. Features a two-sided flange which also fits most alternator pulleys with grooved centre hubs. **Suits Hub Diameters:**
1.1/8"(28mm), 1.1/4"(32mm), 1.5/16"(33mm), 1.3/8"(35mm)





No.4520

± 3° Magnetic Camber Gauge

Accurate camber measuring tool for use after repairs or replacement of struts, wheel assemblies etc. for cars and trucks. Vials housed in a durable non-magnetic casing with a magnetic head that attaches firmly to rotors or spindles.

Range: 3° positive to 3° negative in 1/2° increments



**Gauge can be preset at any angle
0° to 90° before making adjustment**



No.4521

± 3° Adjustable Magnetic Camber Gauge

Accurate camber measuring tool for use after repairs or replacement of struts, wheel assemblies etc. for cars and trucks. Vials housed in a durable non-magnetic casing with a magnetic head that attaches firmly to rotors or spindles.

Range: 3° Positive to 3° Negative in 1/2° increments



No.4518

± 6° Magnetic Camber Gauge

Same as #4520 except scale measures six degrees.

Range: 6° positive to 6° negative in 1° increments



No.4519

± 6° Adjustable Magnetic Camber Gauge

Same as #4521 except scale measures six degrees.

Range: 6° positive to 6° negative in 1° increments



No.2-7029

Caster Camber Wrench

Hook type caster camber wrench gives you the leverage and enables you to get around the obstructing components when making caster and camber adjustments. Used on Fords, Chryslers and other rear wheel drive vehicles. Drop forged from heat treated alloy steel.

Length: 16.1/2"(420mm)



No.J7676

Camber Alignment Assist Tool

Precise camber adjustments on GM and Chrysler FWD vehicles. The tool sits on top of the tyre and presses against the strut to prevent the tyre from moving, freeing the technician to do the adjustments.



No.6709

Bullet Bolt Socket

Designed to adjust camber when using an after market "Bullet Cam Bolt Kit" or "Silver Bullet Kit". The Bullet Bolt Socket allows positive camber adjustments and easy access to the bullet pivot nut for most applications.

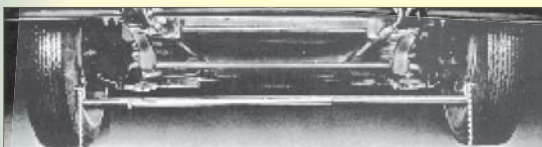


No.J7588

4WD Caster Camber Sleeve Puller

Removes rusted and seized bushings before resetting the caster / camber. Easily pulls most after-market and OE bushings on Ford 4WD vehicles. It's the only tool available that works on any angle OE bushing, removing them quickly and without breaking the ears off.

Applications: 1980 to current full size F and E series vans & pickups, and Broncos; 1983-89 Ranger and Bronco 11. Two horse shoe adaptors are included to pull most after-market bushings with removable retaining rings.



No.WA361

Toe-In-Measuring Gauge

Suits light truck and cars!

Spring-loaded gauges easily adapt to tread widths to give fast accurate toe readings.

Range: 46" to 74"(1170 to 1880mm)



WA374

**No.WA361 for light trucks and cars
No.WA374 for standard and compact cars**

WA361

No.WA374

Toe-In-Measuring Gauge

Suits standard and compact cars!

Spring-loaded gauges easily adapt to tread widths to give fast accurate toe readings.

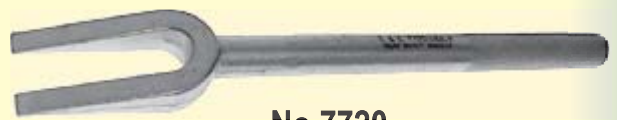
Range: 39" to 60"(990 to 1525mm)



No.1995

Pneumatic Tie Rod Fork

Separates tie rod ends and shock absorber links. Designed to be used with a pneumatic air gun. Shank diameter: .401"Parker Shank.
Opening: 21/32"(17mm) **Length:** 7.1/2"(190mm)



No.7720

Tie Rod Separator Fork

Separates tie rod ends and shock absorber links. Made from heat treated drop forged steel.
Opening: 21/32"(17mm) **Length:** 12"(300mm)

No.5723 Tie Rod End Removal Socket

For easy removal of tie rod ends. Fits most cars and some trucks. U-shaped opening measures 28 x 19mm. Use with 1/2"square drive handles.
Socket ID.: 2"(50mm)



1/2" Drive



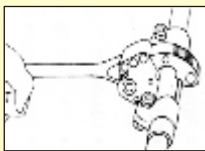
No.J5068

Truck Tie Rod End Socket

Designed for use with a 3/4"drive impact wrench. This rugged socket makes inner and outer tie rod end removal a simple task. Fits tie rods on 12,000 through 16,000 pound truck front axles.
Socket ID: 2.3/4"(70mm) **Slot Width:** 1.1/4"(32mm)
Length: 3.3/8"(85mm)



3/4" Drive



No.7024

3/8" Drive Tie Rod Adjuster

Use with 3/8"drive ratchet for use on all cars and light trucks. Automatically adjusts to fit various size split sleeves. Eliminates the need to buy several different size tools. Stay-on feature: Tool remains firmly in place and holds split sleeve open while handle is removed and re-positioned. Made of high stress, heat treated alloy steel for long life.

Capacity: 11/16" to 1.9/16"(18 to 40mm)



Fits inner tie rod nuts with inaccessible wrench flats



No.J7926

5Pc. Universal Tie Rod Removal Set

Many inner tie rod end sockets do not have a complete hex on the full length of the socket. The rounded socket ends prevent access to the wrench flats. This tool utilizes five crowsfeet. The long socket then slips over the tie rod and connects to a crowsfoot to engage the nut flats. **Sizes:** 1 3/16", 1 1/4", 1 5/16", 1 7/16" and 33.6mm.



No.6920

Double Inner Tie Rod Socket

Unique two-in-one design, removes and installs the inner tie rod nut without removing the rack and pinion assembly. Features both 1.3/16" and 1.5/16" hex in one tool. Long hollow tube slides over tie rod to reach nut.

Sizes: 1.3/16" and 1.5/16"(30mm and 33mm)
Drive: 1/2"Square **Length:** 15.1/2"(400mm)



Universal application

No.J7930

4 Stud Steering Rack Tie Rod Removal Tool

Use to remove and install inner tie rods on vehicles that do not have a hexagon inner end nut, but use flats instead. Adjustable hex screws enables the tool to be used on sizes: 1.3/16"(30mm) up to 1.7/8"(48mm)



No.6926

Inner Tie Rod Tool Set

Allows removal and installation of inner tie rod nuts without removing rack and pinion. This master set enables removal and replacement to be carried out fast and easy. Supplied in plastic blow molded case. Set contains: Hollow drive shaft and three adaptors.

Available Separately: **No.6926-A** 1.3/16"(30mm)
No.6926-B 1.5/16"(33mm) **No.6926-C** 1.7/16"(36mm)



No.J7500

5Pc Master Tie Rod Hook Set

This master tie rod hook set covers tie rod sizes needed for all jobs. Unique design permits 360° rotation of the adjusting sleeve, even where space is limited. 1/2"Sq. drive allows use of a ratchet or flex bar.

Sizes: 3/4", 7/8", 1.1/8", 1.7/16", 1.13/16"

Permits 360° rotation of the adjusting sleeve





No.7023

Universal Tie Rod Sleeve Adjuster

Permits 360 degree rotation of sleeve. Four position feature with full slide through handle allows for proper location of tool even when access is limited. Universal application, fits most cars and light trucks.
Length: 10"(250mm)



No.7027

Universal Tie Rod Adjusting Tool

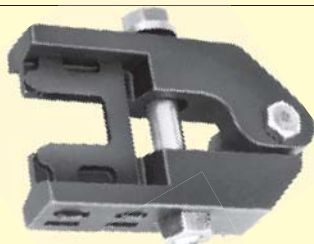
Fits most domestic and import cars and light trucks with split tie rod sleeves. Double-end feature, makes 360 degree turns possible in confined spaces.
Length: 8.3/4"(220mm)



No.J7504

Inner Tie Rod Crimper Tool

Works on late model vehicles having Saginaw steering gear assemblies. Much better and safer than the hammer and chisel method. This tool crimps the tie rod housing to the flats on the rack to keep it from coming loose. Job can be done while the steering gear is still in the vehicle and there is no excessive force on the rack seals.



No.9543

Universal Tie Rod End Separator

This universal tie rod end remover will work on most cars and light trucks. The necessary force needed to remove tie rod ends is easily applied through the centre pivot action.
Fork Opening: 3/4"(19mm)



No.J7929

Universal Inner Tie Rod Service Tool

Use to remove and install inner tie rods on vehicles that do not have a hexagon inner end nut, but use flats instead. Adjustable hex screw enables to be used on sizes: 1.3/16"(30mm) up to 1.7/8"(48mm)



No.6706

Extra Long Tie Rod Wrench

21mm x 23mm extended open end wrench for adjusting steering tie rods. The extended length enables you to reach into confined areas and apply additional torque needed.
Length: 17.1/2"(445mm)



No.9545

Tie Rod End Puller (Cup Type)

The compact design of this puller enables it to be used on most front wheel drive cars. The easy-to-use adaptor attaches directly to the studs. No more adaptor to choose! To use, simply insert tool between spindle arm & tie rod, or drag link & steering arm.
Fork Opening: 3/4"(19mm)



No.9545-T

Tie Rod End Puller (T Cup Type)

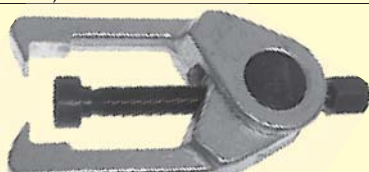
The compact design of this puller enables it to be used on most front wheel drive cars. The easy-to-use adaptor attaches directly to the studs. No more adaptor to choose! To use, simply insert tool between spindle arm & tie rod, or drag link & steering arm.
Fork Opening: 3/4"(19mm)



No.9544

Tie Rod End Puller

Pull tie rod ends with a straight firm pull that requires no hammering or prying. The floating centre design allows the knife edged jaws to grip securely, greatly reducing the possibility of slipping. Puller also works very well in removing gears, pulleys, bearings, etc.
Spread: 2.1/2"(65mm) **Reach:** 2.1/4"(57mm) **Length:** 6"(150mm)



No.1987

Pneumatic Tie Rod Sleeve Breaker

Hammer action against the tie rod assembly loosens frozen sleeves to allow for easy adjustment.
Shank Diameter: .401"Parker Shank
Length: 3.1/2"(90mm)



Tie Rod Adjusting Tools

Unique design permits 360° rotation of the adjusting sleeve, even where space is limited. Use with a 1/2" square drive ratchet or bar.

No.J4501 Tie Rod Adjusting Tool 3/4"

Tie rod adjusting tool for compact cars with 3/4"(19mm) diameter adjusting sleeves.

No.J4502 Tie Rod Adjusting Tool 7/8"

Tie rod adjusting tool for full size cars with 7/8"(22mm) diameter adjusting sleeves.



Large Tie Rod Adjusting Tools

Unique design permits 360° rotation of the adjusting sleeve, even where space is limited. Use with a 1/2" square drive ratchet or bar.

No.J4503 Tie Rod Adjusting Tool 1.1/8"

Tie rod adjusting tool for light trucks with 1.1/8"(28mm) diameter adjusting sleeves.

No.J4504 Tie Rod Adjusting Tool 1.7/16"

Tie rod adjusting tool for trucks with 1.7/16"(36mm) diameter adjusting sleeves.



No.J4505 Extra Large Tie Rod Adjusting Tool

Unique design permits 360° rotation of the adjusting sleeve, even where space is limited. Use with a 1/2" square drive ratchet or bar.

Tie rod adjusting tool for heavy trucks with 1.13/16"(46mm) diameter adjusting sleeves.



No.7039 38mm Cam Type Tie-Rod End Release Tool

Designed to centre tie rod ends in their sockets when setting toe in. Enables all user to obtain a straight steering wheel to ensure more accurate front end alignment.

Size range: 0 to 38mm



No.7040 42mm Cam Type Tie-Rod End Release Tool

Designed to centre tie rod ends in their sockets when setting toe in. Enables all user to obtain a straight steering wheel to ensure more accurate front end alignment.

Size range: 0 to 42mm



No.2-7891 Chrysler LH-Series Toe Adjustment Set

Three tools consisting of open end wrench, offset socket and retainer ring cone required for front toe adjustments on Chrysler LH-series vehicles '93 thru '97.

This set enables the mechanic to adjust toe and maintain a straight steering wheel enabling correct centring of the tie rod.

Mercedes Benz W220 S class



No.9550 H/Duty Tie Rod/Ball Joint Puller

This universal tie rod and ball joint puller is for separating the ball joint from the steering knuckle. Heavy duty pivot action for those stubborn ball joints.

Made to withstand heavy duty work.

Ball joint opening:

Overall length:



No.34326 3Pc. Drag Link Socket Set

1/2" Drive heavy duty screwdriver type sockets. Turn drag links, drain plugs, slotted nuts and large screws.

Sizes: 13 x 2mm, 19 x 3mm & 24 x 4 mm

Drag Link Sockets. Supplied on display card.

No.34313 Blade: 13 x 2mm **Length:** 38mm

No.34319 Blade: 19 x 3mm **Length:** 40mm

No.34324 Blade: 24 x 4mm **Length:** 45mm



No.2-6272 Chrysler LH-Series Toe Adjusting Tool Set

Three tools consisting of crowsfoot wrench, offset socket and retainer ring cone required for front toe adjustments on Chrysler LH-series vehicles '98 to current.

This set enables the mechanic to adjust toe and maintain a straight steering wheel enabling correct centring of the tie rod.





No.1996

Pneumatic Ball Joint Fork

Separates the ball joint from the steering knuckle. Designed to be used with a standard pneumatic air gun. This tool is of premium quality and is guaranteed to give long service.

Opening: 15/16"(24mm)

Shank Diameter: .401"Parker Shank **Length:** 7.1/2"(190mm)



No.7725

Ball Joint Separator Fork

Separates the ball joint from the steering knuckle. Use with hammer to separate the most stubborn parts with ease. Made from drop forged heat treated steel.

Opening: 15/16"(24mm)

Length: 12"(300mm)



No.9546

Adjustable Ball Joint Remover

Heavy duty pivot action ball joint and tie rod separator features a fully adjustable centre screw to adjust to the required height needed when removing the ball joint from the steering knuckle.

Jaw Width: 7/8"(22mm)

Height Range: 2"(50mm) max



No.9543

2 Position H/Duty Ball Joint Remover

Heavy duty pivot action ball joint and tie rod separator features quick change two position joint for greater range needed when removing the ball joint from the steering knuckle.

Jaw Width: 7/8"(22mm)

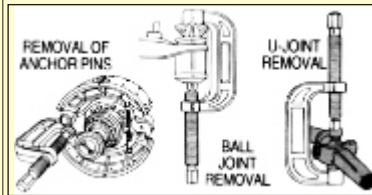
Live centre screw plug is used to replace the standard screw plug fitted to the forcing screw on Nos. J7248, J7249, J7259 & J7260. It increases the capacity for larger ball joints, universal joints, anchor pins etc.



No.J7249-1

Live Centre Screw Plug

Used for servicing heavy duty ball joints. This plug replaces the existing centre forcing pin on the No.J7249 C-frame. It is 5/8" shorter overall giving the C-frame a wider opening to accommodate the larger ball joints found on trucks etc.



No.J7704

4WD Ball Joint Adaptor Set

Adaptors to remove and install upper and lower ball joints on 1967 to current 1/2Ton and 3/4Ton Ford, GM, Dodge, IHC & Jeep 4WD vehicles. Fits all FWD "DANA 44" front axles.

Use with #J7249 or #J7259.



**No.J7249
Ball Joint
Service Set**

Removes and replaces most press fit ball joints using a heavy-duty forged webbing C-clamp. Supplied in blow mold case with three receiver tubes plus installing and removing adaptors. C-Frame press alone can be used to remove and replace universal joints and truck brake anchor pins.

Receiving Tube Sizes: 2"(50mm)OD.,
2.1/2"(65mm)OD.,
3"(75mm)OD.

No.J7249-1 Live CentreScrew Plug



No.J7259

Master Ball Joint Service Set

Removes and replaces most press fit ball joints using a heavy-duty forged webbing C-clamp. Supplied in blow mold case with three receiver tubes plus installing and removing adaptors. C-Frame press alone can be used to remove and replace universal joints and truck brake anchor pins.

Receiving Tube Sizes: 2"(50mm)OD., 2.1/2"(65mm)OD., 3"(75mm)OD.
Also includes two adaptors for 4WD "DANA 44" front axles.



No.J7260
Master Universal Ball Joint Service Kit

Includes 18 separate adaptors to fit most ball joints fitted to early and late model vehicles. Heavy duty forged webbing C-clamp will supply up to 25 tons of force required for the removal and replacement of press-fit ball joints. C-Frame press alone can be used to remove & replace universal joints and truck brake anchor pins. Supplied in sturdy blow mold case.



No.J7201
Master Ball Joint Service Set Adaptors Only

Includes 14 additional ball joint adaptors for the user to update the #J7249 or #J7259 Ball Joint Service Kits without having to replace the C-Frame forged webbing press and the four existing adaptors. Also includes the short live centre screw plug which increases the C-frame press capacity for larger truck use. Supplied in sturdy blow mold case.

For Passenger Vehicles



No.J8698
Universal Ball Joint Separator

This universal ball joint and tie rod end puller is for separating the ball joint from the steering knuckle. Heavy duty pivot action for those stubborn ball joints. Fully forged alloy steel body, chrome plated finish. Made to withstand heavy duty work.

Ball Jaw Opening: 11/16"(17mm) **Overall Length:** 12"(300mm)

For Commercial Vehicles



No.J8685
Truck Ball Joint Separator

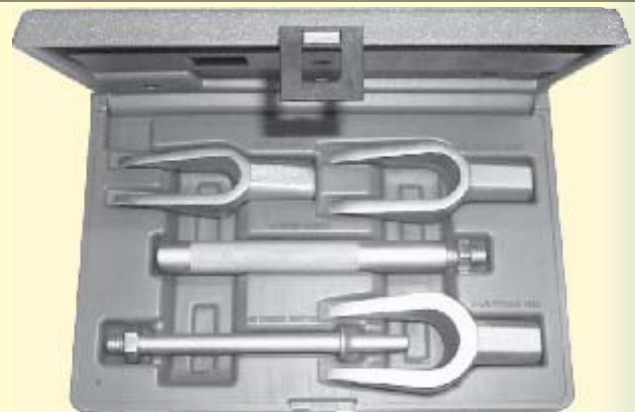
This universal ball joint and tie rod end puller is for separating the ball joint from the steering knuckle. Heavy duty pivot action for those stubborn ball joints. Fully forged alloy steel body, chrome plated finish. Made to withstand heavy duty work.

Ball Jaw Opening: 13/16"(21mm) **Overall Length:** 12"(300mm)



No. J9590
Ball Joint - Tie Rod - Pitman Arm Puller Set

Includes all the ball joint, tie rod and pitman arm pullers required for servicing most passenger car and commercial vehicles. All set out neatly in blow mold storage case.



No.J7722
Tie Rod / Ball Joint / Pitman Arm Set

Made from heat treated drop forged steel. Complete kit includes:
Tie Rod separator **Opening:** 11/16"(17.4mm)
Ball Joint separator **Opening:** 15/16"(23.8mm)
Pitman Arm wedge **Opening:** 1.1/8"(28.5mm)
Pneumatic Handle with lock nut 8"(200mm) .401"Parker Shank





No.5745

Chrysler Ball Joint Socket

Special oval shape opening for use on Chrysler Corporation vehicles.
3/4" Square drive.
Length: 3.5/8"(90mm)



No.5746

Chrysler Ball Joint Socket

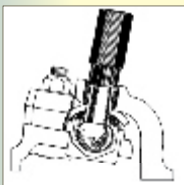
Special oval shape opening for use on Chrysler Corporation vehicles.
For medium-size Chrysler cars.
3/4" square drive. Wrench size is 1-59/64",
Length: 2"



No.5747

Chrysler Ball Joint Socket

Special oval shape opening for use on Chrysler Corporation vehicles.
For Chrysler pick-ups and vans.
3/4" square drive. Wrench size is 2-9/64",
Length: 2"



No.J7080

Ball Joint Sleeve Socket

For removal and installation of upper ball joint adjusting sleeves on 1/2, 3/4, 1 ton Dana front axles found on Ford, GM, Chrysler, IHC and Jeep 4WD vehicles. Permits easy torquing for correct ball joint pre-load. 1/2" Square drive. Four pins 1" O.D. x 2.1/8" long.



No.J7247

Mercedes Benz Ball Joint Remover/Installer Adaptors

Additional adaptors for use with #J7246. For removing and installing the ball joint into the steering knuckle on Mercedes Benz vehicles.
Applicable: W220 S Class



No.J7215

Lower Ball Joint Socket

Suits Peugeot 405 & Citroen lower ball joints. Allows fast and simple removal & installation of screw type lower ball joints. 1/2" Drive four lug socket



No.A1165
Light(Mini) Truck
Ball Joint
Remover

30mm Opening to suit medium duty trucks

Specifically designed for the removal of light(mini) truck ball joints. Features punch bolt for easy removal. Suits most trucks EG: Scania, Benz, MAN Hino ETC.

Nut Width: 22mm

Screw Length: 95mm



No.A1112
Medium Duty
Truck Ball
Joint Remover

32mm Opening to suit medium duty trucks

Specifically designed for the removal of medium duty truck ball joints. Suits most trucks EG: Scania, Benz, MAN Hino ETC.

Nut Width: 26mm

Screw Length: 128mm



No.A1102
Heavy Duty
Truck Ball
Joint Remover

39mm Opening to suit heavy duty trucks

Specifically designed for the removal of heavy duty truck ball joints. Suits most trucks EG: Scania, Benz, MAN Hino ETC.

Nut Width: 26mm

Screw Length: 128mm

**No.7735****Tie Rod / Ball-Joint / Pitman Arm Wedges**

Five piece set of tie rod, ball-joint and pitman arm wedges give full coverage for servicing steering components.

Includes:

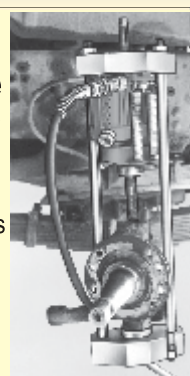
Tie rod wedge 17mm opening, Ball-joint wedge 24mm opening **Lengths:** 15.3/4"(400mm)

Three pitman arm wedges 28mm, 37mm, 40mm.

Lengths: 12"(300mm)

No.2-4240
King Pin and Brake
Anchor Pin Pusher

30 Ton hydraulic force easily pushes out stubborn king pins on most models of trucks and buses. Both straight and tappet king pins can be service. Five special collars and two pins accommodate king pins 7/8"(22mm) to 2"(50mm) in diameter and up to 11.1/4"(286mm) long. A special anchor pin adaptor is supplied for use to remove truck brake anchor pins. Includes 30 Ton hydraulic ram.

**King Pin Pushing****Brake Anchor Pin Use**
No.2-4241 King Pin and Brake
Anchor Pin Pusher

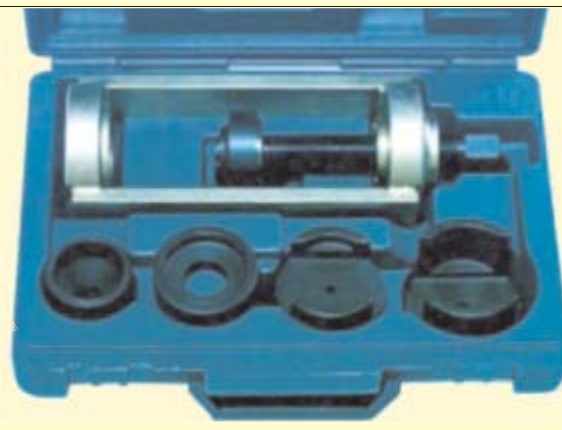
Supplied without 30 ton hydraulic ram.

**No.J7246****Mercedes Ball Joint Remover / Installer**

25 ton C frame press for removing and installing the ball joint into the steering knuckle on Mercedes Benz vehicles.

Supplied in blow mold case.

Applicable: W220 S Class

**No.J7245****BMW 3 Series Ball Joint Remover / Installer**

Essential time and money saver removes and installs press-fit control arm ball joints on BMW 3 Series vehicles. Works on the vehicle and there is no requirement to remove the control arm from the vehicle.

Includes all necessary adaptor sleeves.

**No.J7265****Universal Truck Ball-Joint Extractor**

The universal Truck Ball-Joint Extractor is supplied with three interchangeable forcing forks giving the tool a great range and universal application. The extractor works on eccentric rods and tie rods on nearly all makes of truck and commercial vehicles, e.g. DAF, Iveco, MAN, Mercedes, Scania, Volvo, etc.

Interchangeable Forks: 25mm, 32mm and 47 mm

Body Length: 8.1/2"(220mm)

Forcing Screw: 7" x 1" (180mm x 24mm)

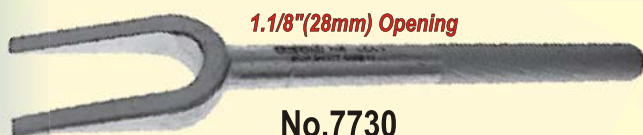
**Puller assembled****No.J5053**
Mack King Pin
and Thrust Bearing
Adjusting Screw Socket

Mack truck king pin and thrust bearing service is made easier with this 1/2" drive socket.

Precisely fits the slotted king pin adjusting on most Mack 12000 through 20000 lb. Front axles with tapered king pins.

Size: Four lug x 1/2" Drive





1.1/8"(28mm) Opening

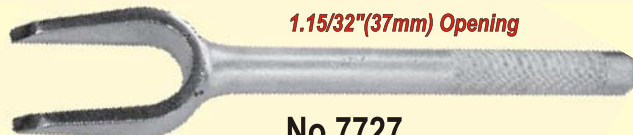
No.7730

Pitman Arm Wedge Fork

No.7730 Will remove the pitman arm from its shaft with the use of a hammer. Made from drop forged heat treated steel.

Opening: 1.1/8"(28mm)

Length: 12"(300mm)



1.15/32"(37mm) Opening

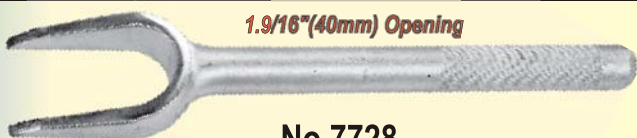
No.7727

Pitman Arm & Tie Rod Wedge

Multipurpose tapered wedge will easily remove pitman arms, camber adjustment sleeves, tie rod ends, etc. on light commercial trucks. Also aids in the removal of control arm bushes insitu. Made from drop forged heat treated steel.

Opening: 1.15/32"(37mm)

Length: 12"(300mm)



1.9/16"(40mm) Opening

No.7728

Pitman Arm & Tie Rod Wedge

Suits light commercial trucks

Multipurpose tapered wedge will easily remove pitman arms, camber adjustment sleeves, tie rod ends, etc. on heavy commercial trucks. Also aids in the removal of control arm bushes in situation. Made from drop forged heat treated steel.

Opening: 1.9/16"(40mm)

Length: 12"(300mm)

No.9506

Pitman Arm Puller (Small)

No.9506 Pitman arm puller provides a steady smooth pull to remove the toughest pitman arms on small and compact size cars. The heavy-duty body is drop forged from alloy steel. Both body and centre screw are heat treated.

Maximum Capacity: 1.3/4"(45mm)

Length: 4.1/2"(115mm)



No.9507

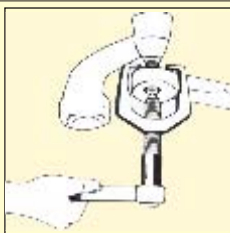
Pitman Arm Puller (Standard)

- Suits most cars and light trucks
- One piece body and jaws allows the puller to reach into confined areas

No.9507 Pitman arm puller provides a steady smooth pull to remove the toughest pitman arms on standard and larger size cars. The heavy-duty body is drop forged from alloy steel. Both body and centre screw are heat treated.

Maximum Capacity: 2.1/2"(65mm)

Length: 4.1/2"(115mm)



No.7311

Universal Pitman Arm Puller

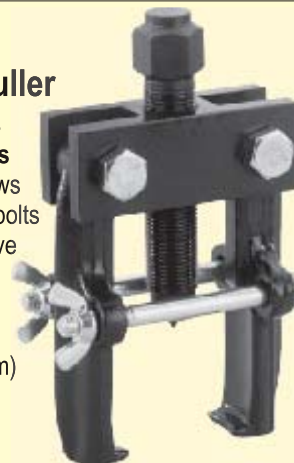
- Suits most cars and light trucks
- Fully adjustable heavy-duty jaws

The specially shaped drop forged jaws adjust to fit the job correctly. Clamp bolts lock jaws in position to assure positive grip and prevent any slip. Puller will perform many other pulling jobs.

Maximum Opening: 2.1/2"(65mm)

Maximum Throat Depth: 3.3/8"(85mm)

Length: 6"(150mm)



Replacement Parts:

No.7311B Centre Bolt Suit for #7311

No.7311L Spare Leg Suit for #7311

No.7311BODY Body for #7311

No.2-7310 Truck Pitman Arm Puller

- Suitable for medium and heavy trucks
- Fully adjustable heavy-duty jaws

The specially shaped drop forged jaws adjust to fit the job correctly. Clamp bolts lock jaws in position to assure positive grip and prevent any slip. Puller will perform many other pulling jobs. Includes shaft protection cap.

Maximum Opening: 3"(75mm)

Maximum Throat Depth: 3.3/8"(85mm)

Length: 6.3/8"(160mm)



No.9710

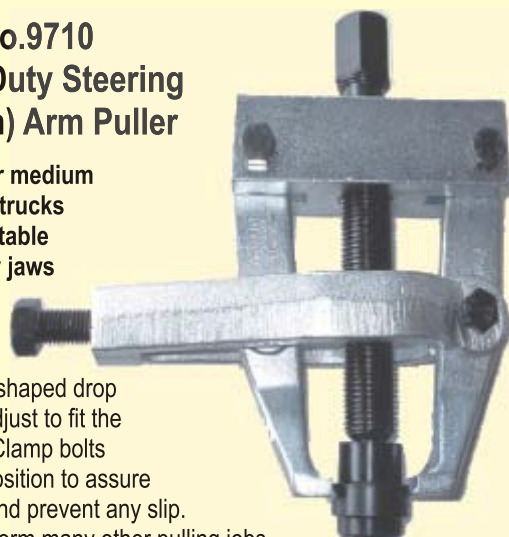
Heavy Duty Steering (Pitman) Arm Puller

- Suitable for medium and heavy trucks
- Fully adjustable heavy-duty jaws

The specially shaped drop forged jaws adjust to fit the job correctly. Clamp bolts lock jaws in position to assure positive grip and prevent any slip. Puller will perform many other pulling jobs. Includes shaft protection cap.

Jaw Spread: 3/4" to 2.3/4" (20 to 70mm)

Reach: 3.3/4" (95mm)



No.J6918 Heavy-Duty Coil Spring Compressor Set

*Suits BMW suspension springs
Also has universal applications*

Suits MacPherson strut and equivalent springs on current model vehicles. Supplied with three pairs of shoes, and a shoe adaptor for conical springs. Due to its compact size it can sometimes be used on the car, without having to remove the strut assembly.

Due to heavy spring loads a great deal of caution should be taken when using this tool.



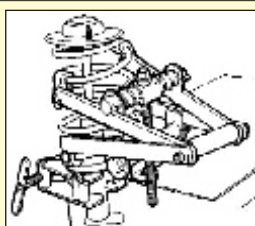
Press arm Hooks turn 360° and easily take apart



**Press plate for high density
small clearance**



Adjustable clamp fits all size



No.J7560 Clamshell MacPherson Strut Compressor



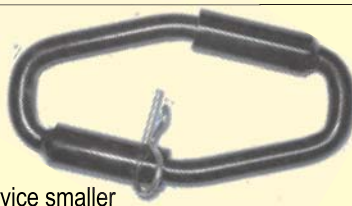
Servicing MacPherson struts is more convenient and affordable when using this tool. It fits a wide range of struts. Jaws are adjustable to fit tapered springs, no special adaptor shoes are needed.

The compressor jaws are held in place by safety locking pins. Tool compresses springs, 4" to 9"(100 to 230mm) OD. with wire diameters of 7/16" to 11/16"(11 to 17mm).

Supplied in blow mold storage case.

No.2-7532 Clamshell MacPherson Strut Bridge Accessory

By adding this two-piece accessory to Clamshell Strut Spring Compressor tool, you'll be able to service smaller struts that have fewer coils, without getting under the spring assembly to compress it.

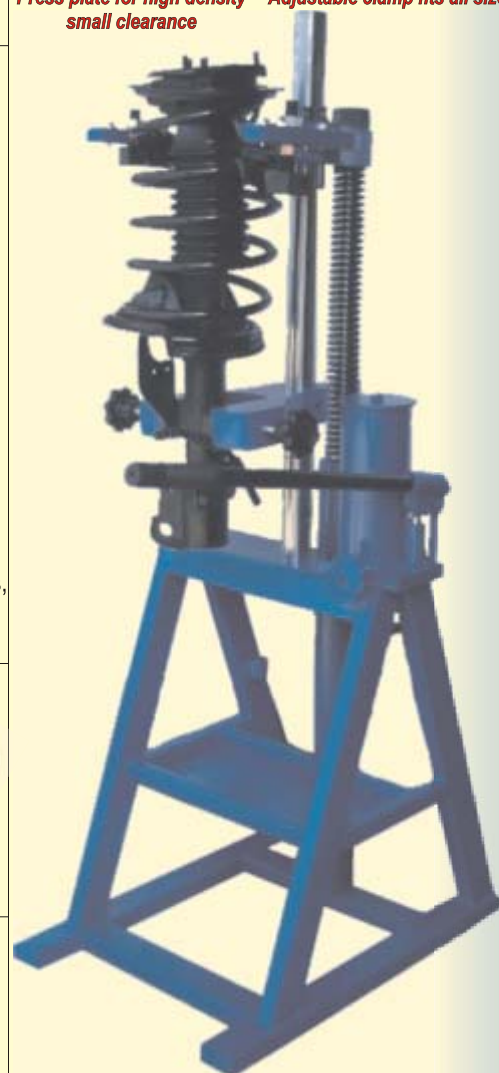


No.6903 Heavy-Duty Ford Spring Compressor

Acme thread centre screw with self aligning plates ensure efficient and proper load distribution of tool components. Suits Falcons and most vehicles where springs are located between upper and lower control arms. Supplied in metal case.

Forcing Screw Length: 18"(460mm)

Diameter: 20mm Acme thread



No.A2095 Hydraulic Strut Spring Compressor

The most effective hydraulic compressor for MacPherson strut springs. Will handle almost any straight, conical, or offset spring. With its adjustable arms and four point locking jaws it securely holds the spring for optimum safety. Adjustable clamp designed holds all size struts giving stability and avoiding operator danger. Fully adjustable mechanism to suit all lengths of shock absorbers and struts.

Height: 1255mm **Length:** 570mm **Width:** 405mm

Lead of Press: 390mm

Weight: 73kg

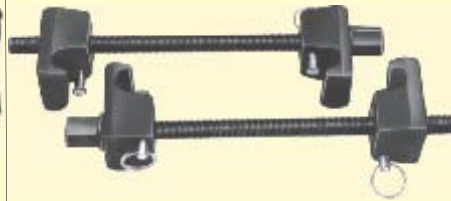




No.6900
MacPherson Strut
Spring Compressor

This tool is designed to be used on all vehicles equipped with MacPherson struts. Allows you to quickly compress the coil spring to replace shock absorbers, spring sets, repair bent struts and damaged spindles. Set consists of two identical double ended hooks with safety clamps and full instructions.

Maximum Opening: 10"(255mm)



No.6901
Master MacPherson Strut Tool

Designed to compress most sizes of MacPherson strut springs. Broad spring contact, Acme threaded rod, and built in detent pins to help lock the coil in place. Setup is fast and easy. Allows you to quickly compress the coil spring to replace the shock absorber or spring set. Also allows for repairs on bent struts, strut tubes and damaged spindles. Forged construction for repetitive use.



No.6915
Internal Coil Spring
Compressor

Compresses coil springs on most cars and pickup trucks with dual wishbone suspension and access through centre of the spring. (Ford, GM etc.) With this tool you can remove and replace coil springs quickly and safely. Makes an easy job of installing Ford coil spring mounts. Instructions included.

Maximum Opening: 12"(300mm)



No.6917 Internal Coil Spring Compressor
w/ Aligning Plate

Compresses coil springs on most cars and pick-up trucks with dual wishbone suspension and access through centre of the spring. (Ford, GM etc.) With this tool you can remove and replace coil springs quickly and safely. Includes special aligning clamp bracket to support bottom of spring.

Maximum Opening: 14"(350mm)



No.6899 MacPherson Strut
Compressor Clamp Set

This tool is designed to be used on all vehicles equipped with MacPherson struts. Allows quick compression of the coil spring to replace shock absorbers, spring sets, repair bent struts and damaged spindles. Set consists of two pairs of identical double ended hooks. Includes standard length bolts and extra long bolts to suit larger springs.

Maximum Opening: 14"(350mm)



No.J6912
Front Coil Spring
Compressor Kit

For use on most late model rear wheel drive GM, Ford and Chrysler vehicles where the spring is located between upper and lower control arms. Engineered for long

life, four forged, case hardened, self aligning plates ensure proper load distribution of tool components under tension. **Suits:** Mercedes Benz Models: W116, W123, W124, W126, W129, W140, W170, W201, W202, W210, GM, Opel, Peugeot, Rover, Saab, Volvo, VW T2, Ford Taurus, Hyundai, Mitsubishi, Lada, Skoda, etc.

Features extra strong Trapezoid thread on centre screw.

Maximum Capacity: 5.1/2"(140mm) Spring diameter

Overall Length: 13.3/8"(340mm)

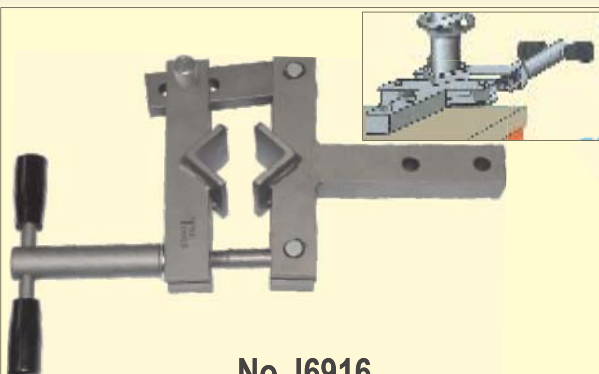
No.6896
Heavy-Duty Universal
Ford / Holden Coil
Spring Compressor

Supplied in blow mold case

Extra long threaded centre screw with two pairs of self aligning plates (3.3/8" I.D. and 4" I.D.) ensure efficient and proper load distribution of tool components. Suits Ford, Holden and most vehicles where springs are located between upper and lower control arms.



Ford No. 204-D001
(D78P-5310-A)



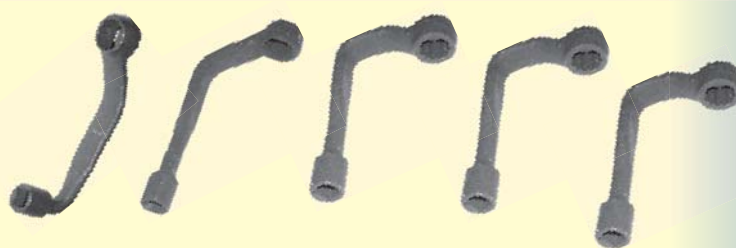
No.J6916

Strut / Shock Absorber Holding Fixture

Can be bolted to a work bench for easy servicing strut and shock absorbers. Clamp will hold strut securely without damaging shaft or components when compressing MacPherson struts etc.

Provides easy access for work while holding the strut in the correct position.

Capacity: 0 to 6"(0 to 150mm)



No.J7070

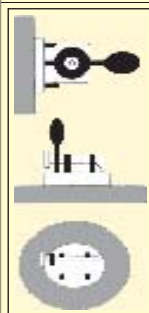
5Pc. Upper Control Arm Crowsfoot Wrench Set

These special crowsfoot style wrenches provide easy access to the upper control arm bolts for front wheel alignment work. Both metric and imperial sizes cover most vehicle sizes.

Individual Sizes:

Available Separately

No.J7071	21mm 12Point 1/2"Square Drive Crowsfoot Wrench
No.J7072	3/4" 12Point 1/2"Square Drive Crowsfoot Wrench
No.J7073	11/16" 12Point 1/2"Square Drive Crowsfoot Wrench
No.J7074	18mm 12Point 1/2"Square Drive Crowsfoot Wrench
No.J7075	22mm 12Point 1/2"Square Drive Crowsfoot Wrench



No.6447

Strut Alignment Level Set

Suits all vehicles with McPherson strut type front ends with camber adjustment on the lower portion of the strut bridge. Before removing the front or rear struts, use the alignment level to check the camber angle. The alignment level is placed on the rotor and the bubble is adjusted to centre. After the strut is removed and replaced, the alignment level is used to return the alignment angles to the original setting. This allows the technician to return strut alignment angles to their original values.



No.6735

GM10 3 Pin and 4 Pin Strut Service Tool

Removes GM10 model MacPherson strut cartridges on the car. Tool completely removes and installs strut cartridge through the strut tower. Comes with handle, double end 3 and 4 pin socket wrench and T50 Torx bit to quickly remove and replace strut cartridge. Works on later model GM vehicles with strut type suspension.

No.6738

Universal Shock Absorber Strut Nut Tool Set



Special shock absorber sockets for servicing the turnbuckle and adjusting the tension on the shock absorber. Set covers the range to suit most Australian, European and Asian vehicles.

Suits: Volkswagen, Audi, Mercedes Benz, Honda, Nissan, Rover, Fiat, Opel (GM), Peugeot, Renault, BMW, Volvo, Citroen, Ford, Chrysler, Toyota, Mitsubishi and most other vehicles.

Contains:

14mm, 16mm, 17mm, 18mm, 19mm, 21mm
22mm, 24mm, 27mm Deep Hole-Thru sockets
3.1/4"(82mm) long.
5 special two lug Hollow sockets.
3 x 10mm, 3.5 x 10mm, 4 x 10mm Slotted bits
4mm, 5.2mm, 6mm, 6.3mm, 7mm, 8mm, 9mm,
10mm, 12mm Double D bits
5mm, 6mm, 7mm, 8mm. In Hex bits
T50, T60 Torx, M12 Spline bits
5mm, 10mm Single D
8mm, 9mm, 10mm, 11mm Single Hex Deep Sockets
All bits 90mm long.





No.KS412

10Pc. SAE Infinity Hollow-Thru Socket Set

This set is ideal for working on shock absorbers and struts. The bolts or studs protrude through the socket and ratchet handle making this set suitable for all suspension work.

The Gearless Infinity Ratchet has zero index.

Sizes: 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1.1/16"
Gearless Ratchet 13/16" Hex drive female.

Length: 10"(250mm) Supplied in metal case.



No.KS412M

12Pc. Metric Infinity Hollow-Thru Socket Set

This set is ideal for working on shock absorbers and struts. The bolts or studs protrude through the socket and ratchet handle making this set suitable for all suspension work.

The Gearless Infinity Ratchet has zero index.

Sizes: 14mm, 15mm, 16mm, 17mm, 19mm, 20mm, 21mm, 22mm, 23mm, 24mm, 26mm

Gearless Ratchet 13/16" Hex drive female. **Length:** 10"(250mm)



No.AT185

GM W-Body Strut Service Kit

Use on General Motors vehicles that feature in-vehicle serviceable struts. Includes strut assembly service tools: Jounce Bumper Retainer Wrench, Strut Cap Nut Wrench, Strut Extension Rod, Strut Service Set, Strut Retaining Tool with three Adaptors, T50 Torx-r Socket, 24mm Strut Rod Socket, Blow Mold Case.

No.J7715 Ford Strut Cartridge Slotted Socket

Fits over the end of the strut cartridge to keep it from turning when removing & installing front strut cartridges.
3/8" Square drive.



No.6707 24mm Strut Rod Socket

This 24mm socket, permits tightening or loosening the strut nut. Essential for proper torque setting.
1/2" Drive, open top socket for the holding of strut rod while torquing strut nut.



No.6730

Universal Shock Absorber Wrenches

For removing and installing shock absorber nuts. The two double stemmed specially shaped sockets to be adjusted for removing and installing.



No.6708

Monroe Shock Absorber Wrench

Designed to fit over the "Double-D" shaped end of the lower shock absorber bolts on Ford, General Motors, Toyota, Jeep, Nissan, Isuzu and many more. Stopper plate keeps the shock bolt from passing through the wrench. **Length:** 9"(230mm)



No.6935

MacPherson Strut Nut Holding Tool

Use for holding the inner strut nut in place when torquing the outer nut on MacPherson strut suspensions.

Dual size: 7 x 9 mm



No.5742

Shock Absorber Double "D" Socket

Fits: 6mm x 8mm "Double D" stem found on many OEM and after-market shock absorbers.

Dual size: 6 x 8 mm 3/8" Square Drive



No.1985

Pneumatic Idler Arm Bushing Cutter

Designed with a high cutting angle to cut bushes from idler arms. Also works well on other bushes and general cutting applications.

Shank diameter: .401"Parker Shank

Length: 6"(150mm)



No.1986

Pneumatic Control Arm Bush Remover

The concave design will hold the cutting edge against the bushing to remove control arm bushes easily.

Shank diameter: .401"Parker Shank

Length: 6"(150mm)



Independant Rear Suspension

No.J7065

IRS Control Arm Bush Remover & Replacer

A new tool for the safe extraction of stubborn, worn upper and lower rear trailing arm suspension bushes on the Holden Vectra.

The tool combines the components required for both removal and installation in order to reset the bush in the correct position.

Applications: Vectra 1.6L, 1.8L, 2.0L >1995, & 2.5L >1996.



No.J7067

Rear Suspension Bush Remover / Replacer

A new tool for the safe extraction of stubborn, worn upper and lower rear trailing arm suspension bushes on the Holden Vectra.

The tool combines the components required for both removal and installation in order to reset the bush in the correct position.

Applications: Vectra 1.6L, 1.8L, 2.0L >1995, & 2.5L >1996.



No.J7068

Upper Control Arm Bushing Set

Includes all adaptors needed for bushing removal and installation without removing control arm from the vehicle. Easily replaces press-in type upper control arm bushings on most vehicles. Quickly removes worn bushing and installs the new one without damage to the control arm. Supplied in blow mold case.



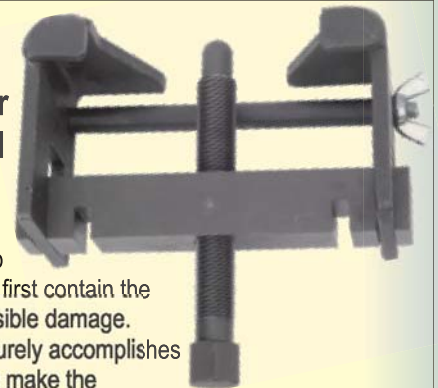
Removing Control Arm Bush

Replacing Control Arm Bush

No.2-7816 Ford Torsion Bar Adjustment Tool

Before servicing the torsion bar on Ford Explorers model 1995 to current, it is essential to first contain the torsion bar to avoid possible damage. This tool safely and securely accomplishes that task allowing you to make the necessary adjustments.

Ford No. 204-185 (T95T-5310-AR)



No.6715

5Pc.Strut Nut Set VW, Audi Mot

Special two lug sockets to fit the strut nut on later model vehicles with MacPherson strut type suspension. Universal application.

Set Contains: 1: 10.5mm VW Golf rear axle

2: 12.5mm VW Polo front axle 3: 14.5mm Polo, Golf, Passat, Audi

4: 14.5mm Austin Maestro etc. 5: 14.0mm Mercedes Benz (W203)

No.5748

62mm 4Pin Ball Joint Socket For Mercedes Benz

Four pin deep 3/4"Drive socket for removing and replacing the ball joint on Mercedes Benz (M class) ball joint suspension.

Size: 62mm Diameter, 4 Pins 6.5mm wide



No.6733

Universal Strut Nut Wrench Kit

● **Makes strut disassembly & assembly easier.**

Four double-ended drivers, remove the top nut on most MacPherson Strut applications. Drivers fit Torx, internal hex, two external hex and four Double-D sizes. Works especially well on nuts that are recessed

Wrenches allow use of torque wrench.

Set Contains:

1.4" In-Hex x 5/16" Double-D Double End Wrench 82mm long

5/16" In-Hex x 5/16" Double-D Double End Wrench 82mm long

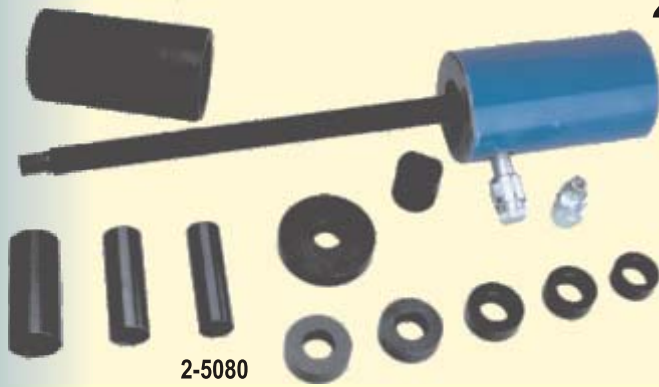
10mm Hex x 10mm Double-D Double End Wrench 68mm long

T50 Torx x 10.5mm Double-D Double End Wrench 92mm long

7/8"(22mm) x 15/16"(24mm) Double End Hole-Thru 6 Point Socket.

Supplied in vinyl pouch.





2-5080

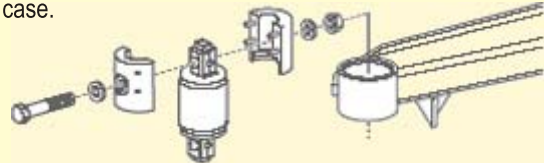
2-5080 Truck Leaf Spring Pin & Bushing Service Set

10 Ton hydraulic ram supplies the force to remove and install truck front spring eye pins and bushing assemblies.

Works on bushings with diameters of 1.1/4" to 1.7/8" and pin diameters from 7/8" through 1.1/8".

Can be used without removing leaf spring hangers and spring assembly from the vehicle.

All accessories are included except Hydraulic hand pump which must be purchase separately. Supplied in heavy duty blow mold case.



A1170

A1170 Truck Torque-Rod Bush Removal / Installation Set

Set consist of an air hydraulic pump with 20 ton hydraulic ram. Includes all bushing adaptors and sleeves needed for removal and replacement of bushes fitted to truck Torque-Rod arms.

Suitable for most Japanese commercial vehicles.

Including:

FUSO / ISUZU / HINO / NISSAN / Diesel Trucks.



Removal of Bushing

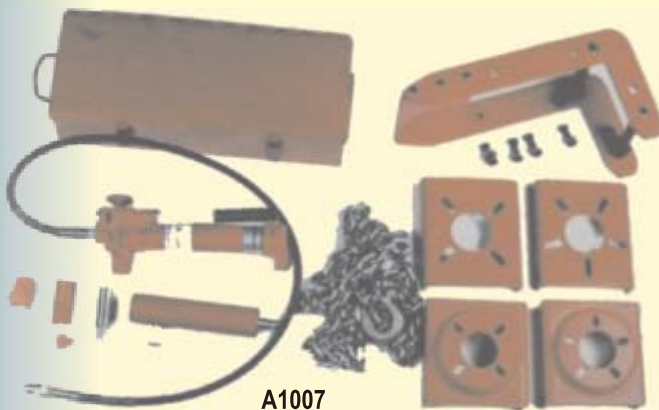


Installation of Bushing



Torque-Rod

105mm Bush



A1007

A1007 Wheel Alignment Angle Adjuster

By using the hydraulic pump and ram and attaching the alignment plates to the suspension arms the angle of camber can be corrected for proper adjustment of the angle of the wheels, suspension and steering system.

The correct degree of angle is obtain by using #4520 Magnetic Camber Gauge.



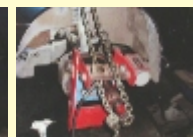
Step1



Step2



Step3



Step4

A1052 Double Wishbone Alignment Tools

By using heavy duty "C" type clamp as a 10 ton hydraulic press and the use of the two spaces both front and rear double wishbone suspension can have the angle adjusted without removal from the vehicle. The 10 ton two speed hydraulic pump and ram makes the maintenance and adjustment easy and accurate.

Applicable for most double wishbone suspensions including Mercedes, Mitsubishi, Honda, etc.

Recommended to use #4520 Magnetic Camber Gauge.

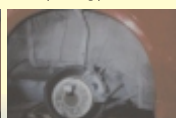
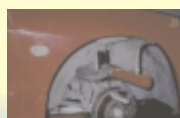
The design of this tooling set enables efficient adjustment to fix bent, sagging and the out of shape double wishbone suspensions systems on the vehicle without disassembly.

Weight: 68lb. (30kg) Hydraulic Force: 10 tons



A1052

A1052-9
Optional Accessory for use on Mitsubishi Galant only



80-Ton capacity End Bushing Service Tools

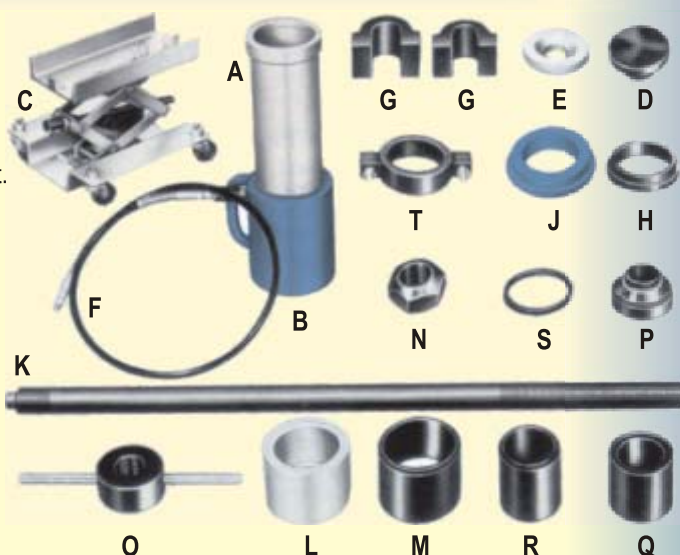
2-1740 Hendrickson Suspension Tooling Set

For fast, easy bushing replacement on 340, 380, 440 and 450 series Hendrickson suspensions. Recommended by Hendrickson as the only correct method for bushing replacement. This is the basic tooling set for servicing centre and end beam bushings. Hydraulic pump and gauge not included.

Set Contains:

Available Separately

Item	No.	Description	Item	No.	Description
A	A44119	Receiving Tube	L	B302026	Installing Adaptor
B	A51678	80-Ton Cylinder	M	B302027	Removing Adaptor
C	A51695	Jack Cart	N	B302028	Hex Nut
D	B206457	Press Adaptor	O	B302029	Speed Nut
E	B206459	Clamp Plate	P	B302030	Removing Adaptor
F	B303839	Hydraulic Hose	Q	B302031	Installing Adaptor
G	B302018	Spacer (2)	R	B302032	Removing Adaptor
H	B302019	Receiving Adaptor	S	B302401	Spacer Ring (3)
J	B302021	Receiving Adaptor	T	A42052	Inst. Adaptor Clamp
K	B302023	Pulling Screw			



2-1740 Tooling Set

2-1743 End Bushing Hanger Tube Centre Bushing Service Set

Use for servicing RU340 series Centre Bushings. The long puller screw is used to remove the beam cross tube. The 2-1743 also removes end bushing hanger tube assemblies.

For use with 2-1740 Tooling.



2-1743 RU Series Centre Bushing Service Set

2-1744 Bronze Centre Bushing Service Set

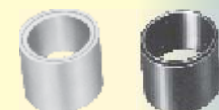
Replaces the bronze centre bushings on 340, 380, 440 and 460 Hendrickson suspensions. Also installs bronze centre bushing grease seals.

For use with 2-1740 Tooling.

2-1744 Service Set
340, 380, 440, 460
Bronze Centre Bushes



2-1746 Service Set For
RU series Centre Bushing Service



2-1763 Service Set For Servicing
Centre and End Bushing on 500,700 Series



2-1746 R400 Centre Bushing Adaptor Set

Set includes removing and installing adaptor for servicing centre bushings on R400 series hendrickson suspensions.

For use with 2-1740 Tooling.

2-1763 Centre and End Bushing Service Set

For 500 and 700 series hendrickson suspensions. Services both centre and End bushings.

For use with a workshop press.

2-1762 Service Set For Servicing
Bronze Centre Bushes 500,700 Series



2-1762 Bronze Centre Bushing Service Set

For 500 and 700 series hendrickson suspensions. Replaces Bronze centre bushings.

For use with a workshop press.



2-1764 Tooling Set for use with workshop press

2-1764 Centre End Bushing Tolling Set

Tooling use for servicing 340, 380 and 440 series hendrickson suspensions. Tooling is the same as used in 2-1740 set above except for A51100 press plate which allows you to use all on a workshop press. All tooling parts are marked with the same letters as 2-1740 Set. (Refer to 2-1740 Set table above.)

2-1745 Hendrickson End-Bushing Adaptor Puller Set

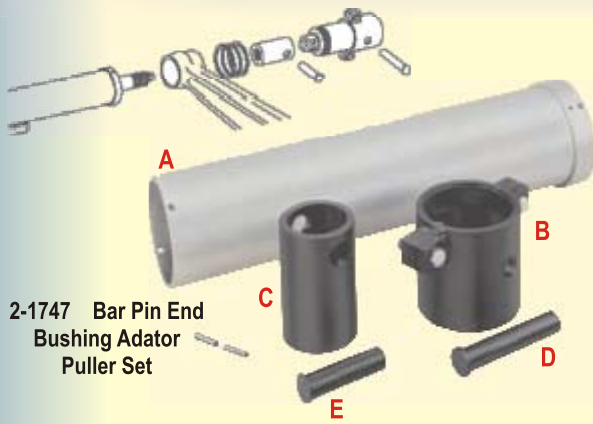
This set contains everything needed to remove end bushing adaptor plugs in 380 thru 440 series suspensions. The plugs have to be removed prior to end bushing replacement.

For use with 2-1740 Tooling.



2-1745 End Bushing Adator Puller Set





2-1747 Bar Pin End Bushing Adaptor Puller Set



2-1748 End Bushing Adaptor Puller Set



2-1747



2-4031



2-4044



2-4065

Hendrickson End Bushing and Beam Service Tools

2-1749 Hendrickson Bar Pin End Bushing Adaptor Set

This tooling is use to remove and install worn end bushings on the Hendrickson new style bar pin end bushings without removing the equalizing beam from the vehicle.

2-1749 Works in conjunction with 2-1740 80 ton portable service tooling set. Using procedures recommended by manufacturer.

Contains: **A:** B314557 Receiving Tube **B:** A49050 Installer
C: B314556 Receiving Adaptor **D:** B314558 Pin
E: B314559 Pin

2-1748 Hendrickson End Bushing Adaptor Puller Set

This set contains everything needed to remove end bushing adaptor plugs on 400 series and the larger 460-520 series suspensions. The plugs have to be removed prior to end bushing replacement.

For use with 2-1740 Tooling set

Set Contains:

Available Separately

Part No.	Description	Part No.	Description
B207025	Spaces (3)	B207031	Hand Tap (15/16" x 12)
B302592	Screw (7/8" x 14)	B207039	Nut Assembly
B302593	Screw (15/16" x 12)	B302595	Receiving Cup
B207027	Forcing Screw	B221378	Hand Tap (30 x 2mm)
B207026	Plug Gauge	B313342	Screw (30 x 2mm)
B207030	Hand Tap (7/8" x 14)		

2-1747 Hendrickson Bar Pin Adaptor Set

The bar pin end bushings used on Hendrickson equalizing beam tandem truck suspensions require the use of this tooling for service with the beam removed from the vehicle. Use in conjunction with #A51100 Press Plate and a 100-ton hydraulic press.

Two Stage Electric / Hydraulic Pumps

Electric / Hydraulic Pumps recommended for use with #2-1740 Hendrickson suspension tooling set and other installing and removing adaptor sets.

2-4031 Vanguard Jr. Two-Stage Hydraulic Pump

Vanguard Jr. Two Stage Hydraulic Pump with two position / three way valve and six foot remote motor control.

One gallon of hydraulic oil is supplied.

Reservoir: 0.45 gallon (104 cu. in.) **Power:** 240 Volt 1/3rd h.p. 12000RPM

Performance: 170 cu. in./min @ 100psi pressure
32 cu. in./min @ 1000psi pressure
25 cu. in./min @ 5000psi pressure
18 cu. in./min @ 10000psi pressure

2-4065 Vanguard Two-Stage Hydraulic Pump

Vanguard Two Stage Hydraulic Pump with two position / three way valve and six foot remote motor control.

Two gallons of hydraulic oil are supplied.

Reservoir: 2 gallons (9.1litre) **Power:** 240 Volt 1.1/8 h.p. 4500 RPM

Performance: 650 cu. in./min @ 100psi pressure
80 cu. in./min @ 1000psi pressure
70 cu. in./min @ 5000psi pressure
55 cu. in./min @ 10000psi pressure

2-4044 Ram-Runner Two-Stage Hydraulic Pump

Ram-Runner Two Stage Hydraulic Pump with two position / two way valve with advance and return positions for use with single acting rams. Supplied with six foot remote motor control and one and half gallons of hydraulic oil.

Reservoir: 1.9 gallons (8.65litre) **Power:** 240 Volt 1/2 h.p. 3450RPM

Performance: 290 cu. in./min @ 0psi pressure
240 cu. in./min @ 100psi pressure
17 cu. in./min @ 10000psi pressure