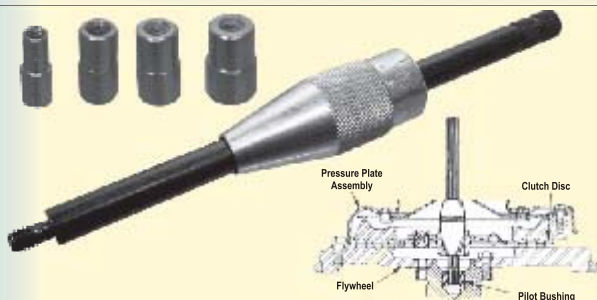


## Clutch Tools .....Page No. 41

- Clutch Aligning Tools .....
- Clutch Adjusting Tools .....
- Truck Clutch Service Tools .....
- Truck Clutch / Flywheel Handler .....
- Clutch Pilot Bushing Removers .....

## Transmission Tools .....Page No. 41

- Automatic Transmission Service Tools .....
- Transmission Bushing / Seal / Bearing Service Tools .....
- Transmission Selector Shaft Seal Removers .....
- Truck Transmission Service Tools .....
- Transmission Hydraulic Jacks .....
- Differential Bearing And Housing Pullers .....
- Universal Joint Presses And Removers .....
- Truck Pinion Lock Nut Wrenches .....
- Transmission Shaft Lock Ring Pliers .....
- Automatic Transmission Fluid Exchanger And Adaptors .....
- Transmission Drain Plug Wrenches .....
- Pinion Depth Setting Gauges .....



**No.6685**

### Universal Clutch Aligner Tool

Aligns single disc clutches on most cars, light trucks and tractors. Dual sized adaptors fit through clutch plate and into end of crankshaft. Tapered cone fits into clutch hole and aligns clutch plate properly. Supplied in vinyl storage pouch.

#### Spigot Sizes:

**Metric:** 10mm, 12mm, 15mm, 17mm, 19mm.

**Inch:** .368", .468", .561", .588", .624", .656", .688", .749"



**No.J6684**

### Master Clutch Aligning Kit

This most comprehensive kit includes large and small aligning shafts, three tapered and stepped aligning cones and twelve spigot adaptors to cover sixteen different sized pilot bearings, metric and inch. Supplied in blow mold case.

#### Spigots:

#### Metric Sizes:

12, 14, 15, 16, 17, 18, 19 & 20mm

#### Inch Sizes:

.499", .590", .625"

.650", .668", .749"

.786", .808", .984"



**No.6684**

### Imperial Clutch Aligner Set

Comprehensive clutch alignment kit that includes 16 collet sizes ranging from 0.465" to 1.181". Fits most vehicles with imperial size clutch spigot bearings. Also will work on Japanese, European and other Asian vehicles. Supplied in blow mold case.



**No.6689**

### Universal Clutch Aligner (Plastic)

Special design aligns and assembles clutch on the workbench for easy installation. Ideal for late model front wheel drive vehicles, that have no pilot bearing in flywheel.

Suits most vehicles up to 5 tons with single plate clutches.

**Spigot Size Range:** 1/2" to 1" (12 to 25mm)



**No.6686**

### Camira & Daewoo Clutch Kit

Contains the tools essential for working on clutches in Holden Camiras, Nissans, Daewoos etc. Use the slide hammer and attachments to remove the clutch shaft, and the plate retaining clips in conjunction with a press to separate clutch & pressure plates. Also includes a general purpose seal pulling attachment..



**No.J4416**

### Clutch & Transmission Disconnect Tool Set

#### Set includes:

**J5100** GM Hydraulic Clutch Line Disconnect Tool.

**J7244** GM Transmission Oil Cooler Line Disconnect Tool.

**J7251** Chrysler / Jeep Transmission Oil Cooler Line

Disconnect Tool. Also AW-4 transmissions with quick connect oil cooler lines.

**J7252** Transmission Oil Cooler Line Disconnect. GM/Ford vehicles with quick connect transmission oil cooler lines.

**J7253** Transmission Oil Cooler Line Disconnect. 1986-current Ford Taurus / Mercury sable with AXOD, AOD, or ATX.

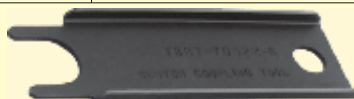
**J7254** Ford Clutch Coupling Disconnect Tool. 1988-current F-series truck, Bronco II, Ranger, Explorer; Ford Thunderbird/Mercury Cougar.



**No.6687**

### Camira & Daewoo Clutch Clip Set

Replacement set of three Camira / Daewoo clutch clips.



**No.J7646**

### Ford Clutch Coupling Tool

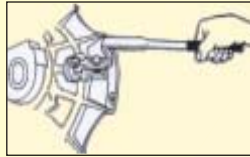
Essential tool for reaching and disconnecting hydraulic clutch line from the clutch slave cylinder. It releases the fingers that hold the clutch line without damage to the line or the coupling.

Used on Ford Ranger, Explorer, Bronco etc.



## No.J5044 Self-Adjust Truck Clutch Rotating Tool

Replaces self-adjuster mechanism on "Spicer® Self Adjust Clutches". Permits use of open end or ring spanner to make proper clutch adjustment.



## No.7028 Spicer® Truck Clutch Adjuster

Makes a tough job easy! For internal adjustment of Spicer® angle spring and multiple lever clutches found on nearly all heavy-duty trucks. Saves using makeshift methods which could result in damaged parts and excessive down-time.  
**Length:** 15.3/8"(390mm)



## No.J5046 Truck Clutch Release Tool

Permits removal of the shipping blocks from new clutch assemblies.



## No.B218174 Flywheel Handling Attachment

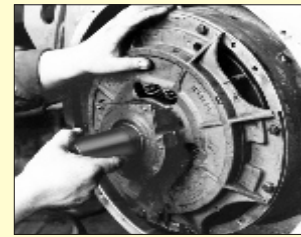
Flywheel handling attachment for use with 2-5015 Truck Clutch / Flywheel Handler. *Included with 2-5015 and available separately.*



Spicer®

## No.7029 Easy Pedal Clutch Adjuster

• 8 Point opening  
Suits late model "Spicer® Easy Pedal" clutches.  
**Size:** 5/8"(16mm), 1/2" Square drive



## Truck Clutch Alignment Shafts

Easily align double disc clutches on medium and heavy-duty trucks. The design permits easy withdrawal from clutch splines and pilot bearings.

Made of lightweight fibreglass-reinforced nylon to easily support heavy pressure plates.  
**Length:** 10.3/4"(275mm)

### No.7071

**Truck Clutch Aligning Shaft**  
10 Spline, 1.1/2"Diameter, 30mm Spigot

### No.7072

**Truck Clutch Aligning Shaft**  
10 Spline, 1.1/2"Diameter, 1"Spigot

### No.7073

**Truck Clutch Aligning Shaft**  
10 Spline, 1.3/4"Diameter, 1.1/4"Spigot

### No.7480

**Truck Clutch Aligning Shaft**  
10 Spline, 1.3/4"Diameter, 1"Spigot

### No.7074

**Truck Clutch Aligning Shaft**  
10 Spline, 2"Diameter, 1.1/4"Spigot

*Spicer is the registered Trademark of Dana Corporation.*



## No.2-5015 Truck Clutch/Flywheel Handler

Makes the task an easy, one person job. Handles 14" & 15.1/2"clutch assemblies weighing up to 150lbs. Lifting range of 9" to 37". Swivel casters provide easy manoeuvrability.

### Includes:

2" Spline shaft with 1.1/4" pilot to aid in alignment and the B218174 Flywheel Handle Attachment

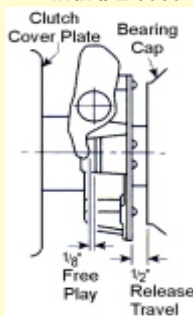
### Optional Shafts for 2-5015:

**A48625** 1.3/4"Dia. w/ 1.1/4" Spline Shaft

**B440533** 1.3/4"Dia. w/ 1" Spline Shaft

**B314386** 1.3/4"Dia. Alignment Shaft Extn.  
(For Navistar 466 Twin Plate Clutch)

### Adjustments performed with # 2-5035 Set



## No.2-5035 Truck Clutch Adjustment Gauge Set

This two gauge set ensures correct adjustment for proper clutch operation on manual and self-adjusting, pull-type, heavy-duty clutches. The free play gauge checks the 1/8"clutch pedal free-play between the yoke and bearing wear pad. The release bearing travel gauge verifies the 1/2"release travel between the release bearing and the transmission bearing cap.

### Available separately:

### No.2-5034

**Clutch Pedal Free-Play Gauge**

### No.2-5033

**Release Bearing Travel Gauge**



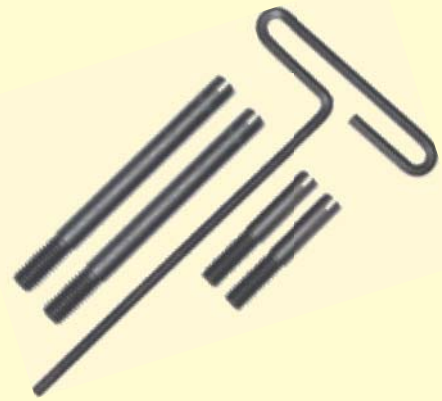




### No.J7010 Truck Clutch Service Kit

Set includes 9 different clutch service tools that allow you to preform clutch installation and removal. **Contents:**

- No.J5044 Self-Adjust Clutch Rotating Tool.** Rotates adjusting ring.
- No.J5045 Flywheel Drive Pin Installing Tool.** Properly aligns and installs drive pins in 14" heavy-duty pot-type flywheels.
- No.J5046 Clutch Release Tool.** Removes shipping blocks from between clutch housing and release bearing.
- No.7028 Adjusting Wrench.** For internal adjustment of multiple lever and angle-spring clutches.
- No.7073 Clutch Alignment Tool.** 1.3/4"O.D. Fits spline clutch disc.
- No.7074 Clutch Alignment Tool.** 2"O.D. Fits spline clutch disc.
- No.B213013** Pair of 3/8"flywheel to clutch guide pins
- No.B213014** Pair of 7/16"flywheel to clutch guide pins
- No.B213015** Hex Key to Rem./inst. flywheel drive pin set screws



### No.B213013 3/8" flywheel to clutch guide pins

Pair of 3/8" flywheel to clutch guide pins.

### No.B213014 7/16" flywheel to clutch guide pins

Pair of 7/16" flywheel to clutch guide pins.

### No.B213015 Hex Key Wrench

Removes/installs flywheel. Drive pin set screws.



### No.J5100 GM Hydraulic Clutch Line Disconnect Tool

Special tool for disconnecting clutch lines on clutch slave and master cylinders.  
The offset end works on GM manual transmissions, the straight end works on later model GM vehicles.  
**Length:** 5.7/8"(150mm)



### No.6688 Clutch Pilot Bushing Remover

This blind hole bushing remover uses hydraulic pressure to quickly remove brass and bronze pilot bushings from 1/2" to 3/4" I.D.

Not for use on steel bearings.

Made of strong, case hardened steel.

#### **Instructions:**

With 7/8" wrench or socket, screw self-tapping tip 2-3 threads into bushing. Pump out with grease gun.

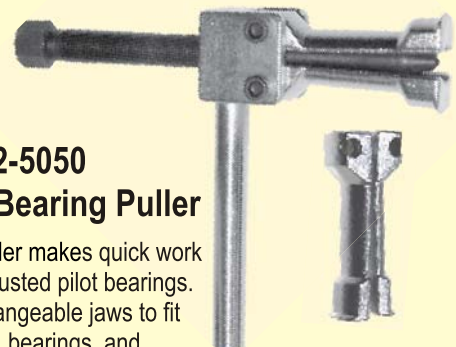


### No.J5045 Truck Clutch Drive Pin Installing Tool

Makes for precise alignment and proper installation of the spacer plate drive pins on the pot type 14" flywheel. Ensures free action of the clutch assembly.



**Supplied with 2 sets of jaws. 1" and 1.1/4"**



### No.2-5050 Truck Pilot Bearing Puller

The pilot bearing puller makes quick work of pulling stubborn, rusted pilot bearings.  
#2-5050 has interchangeable jaws to fit 1.1/4"(31.75mm) I.D. bearings, and 1"(25.4mm) I.D. bearings.

The puller's forcing screw expands the jaws inside the bearing and simultaneously pushes against the crankshaft.



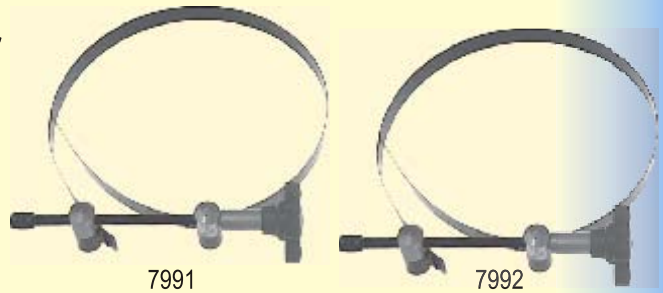
### Auto Transmission Clutch Spring Compressors

#### 7991 Large Transmission Front Pump Installer

Heavy-duty universal alignment bands for compressing front pump seals.  
Covers most transmissions. Large thumb wheels speed installation.  
**Capacity:** 7.1/2" to 9.1/4" (190 to 235mm)

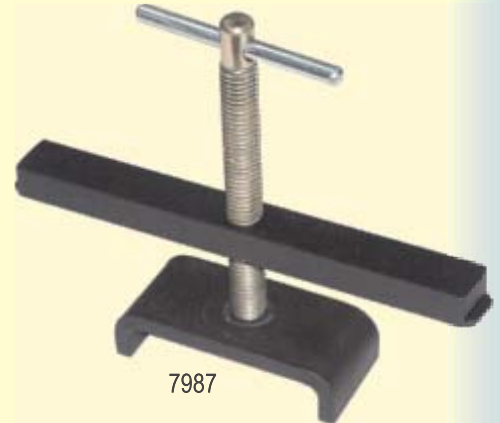
#### 7992 Small Transmission Front Pump Installer

Heavy-duty universal alignment bands for compressing front pump seals.  
Covers most transmissions.  
Large thumb wheels speed installation.  
**Capacity:** 6.1/2" to 8" (165 to 200mm)



#### 7987 Automatic Transmission Rear Clutch Spring Compressor

For turbo-hydramatic 250/350/350C transmissions.  
A one-piece tool that releases the rear retainer inside the case, makes the snap ring easy to remove and replace, and puts the retainer in straight without bending.



### Auto Transmission Bushing Service Tools

#### 7980 Bushing Extractor Set

Remove bushings from all types of transmissions and housings. These two extracting tools will accommodate bushing sizes from 7/16" to 1.1/2" inside diameter. Simply wind extractor into bush then use with either our #9554 1/2"UNC or #9556 5/8"UNF slide hammer. Threaded adaptor included. Full instructions supplied.

**Available individually:**

#### 7981 Bushing Extractor Small

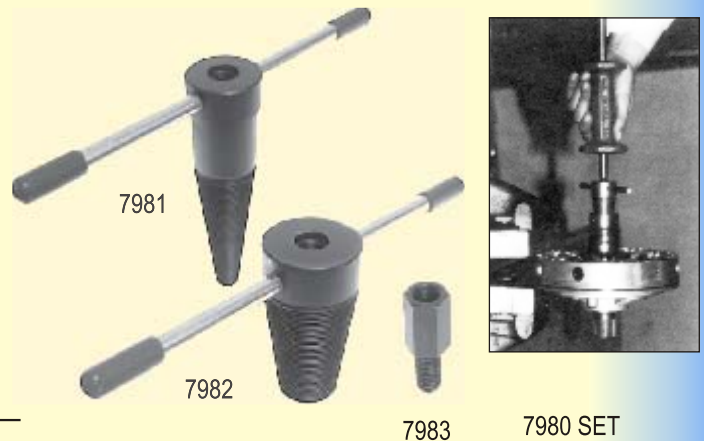
**Range:** 7/16" to 1" (12 to 25mm)

#### 7982 Bushing Extractor Large

**Range:** 1" to 1.1/2" (25 to 38mm)

#### 7983 Bushing Extractor Adaptor

**Size:** 1/2"UNC Male to 5/8"UNF Female

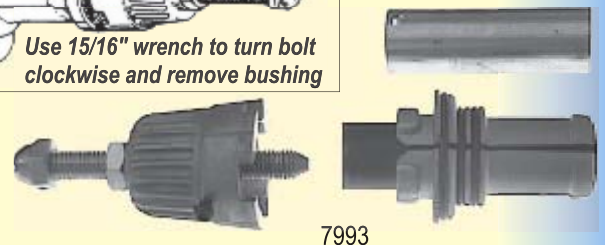
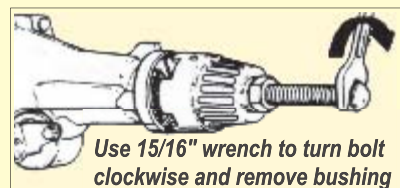


#### 7993 Extension Housing Bushing Remover & Installer

Allows easy removal and installation of extension housing bushing while still in the car. Tube expands segments for removal and positive location of replacement bushing. The tool also can be used as a support fixture as it centres and holds shaft in proper position for assembly work. Full instructions included.

**Suits:** GM THM180, 180C, 200, 200C, 250, 300, 350, 350C, 375, 375B, 2004R. Ford C-4, C-5, AOD Automatic overdrive Chrysler TF-904-72 on.

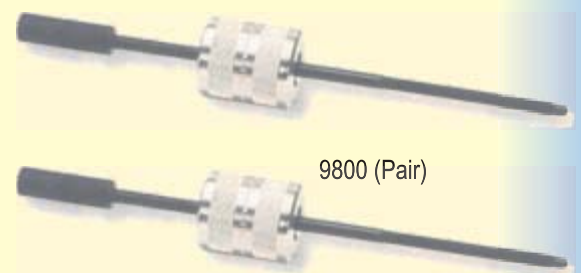
7993Jaw Replacement Jaw for #7993



### Auto Transmission Front Pump Service Tools

#### 9800 Transmission Front Pump Slide Hammer Puller

Two are required for removal of front pump on GM, Ford, and Chrysler transmission.  
Includes 1.1/4" lb. Slide hammer and 3/8" x 16 thread x 14" long slide screw.  
Applications on most GM, Ford C-4, C-5 AOD (Automatic Overdrive), and Chrysler TF904-72 ON.





7282



7284



7283



7285



7286



7287



7288



7289



T0060



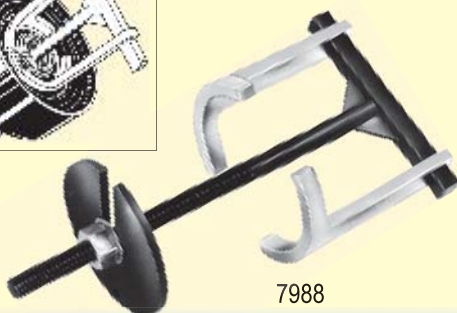
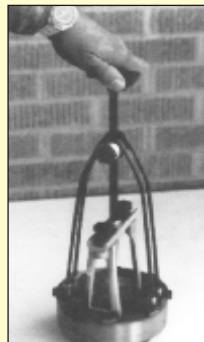
7281



7281-V6



7985



7988

### Auto-Transmission Band Adjusting Tools

#### 7280 Auto-Transmission Band Adjusting Set

Set Contains:

Available Separately

#### 7282 Front Band Adjuster

Borg Warner 35, 40 & 51

#### 7283 Rear Band Adjuster

Borg Warner 35, 40 & 51. Ford C4

#### 7284 Adjustment Gauge

Borg Warner 35, 40, & 51. Fordomatic 3 speed

#### 7285 Band Adjuster Trimatic

Trimatic 3/16" In-Hex

#### 7286 Band Adjuster Powerglide

Powerglide 5/32" In-Hex

#### 7287 Band Adjuster Universal

1/4" 8 Point Socket

#### 7288 Band Adjuster Universal

5/16" 8 Point Socket

#### 7289 Torque Wrench Adaptor

1/4" Female to 3/8" Male

#### T0060 200 Inch/lb 1/4" Drive Torque Wrench

Range: 20 to 200 in/lb(3.9 to 22Nm)

**Complete set #7280 housed in metal storage case.**

#### 7281 Mitsubishi Kick Down Band Adjuster

**Suits:** For adjusting the auto transmission kick down on Mitsubishi Magna 170, 175 & 177

#### 7281-V6 Mitsubishi V6 Kick Down Band Adjuster

**Suits:** For adjusting the auto transmission kick down on current model Mitsubishi V6 Magna and Verada.

### Auto Transmission Clutch Spring Compressors

#### 7985 Universal Automatic Transmission Clutch Spring Compressor

This unique time-saving tool will remove clutch pistons from virtually all automatic transmissions.

The snap-in method permits removal and installation of snap rings in clutch drum units. New quick set nut assembly speeds location of tool into position.

Use on all GM, Ford, Chrysler, Nissan, Mazda, Toyota, Borg-Warner, Detroit Diesel Allison and other transmissions. Full instructions included.

#### 7988 Automatic Transmission Clutch Spring Compressor

For removing and installing the transmission rear clutch piston snap ring. Adjustable, to suit most transmissions. Applies pressure to the retaining washer in the clutch drum to compress clutch piston return springs, in order to remove or install snap ring during transmission repair or overhaul.





## No.2-7070A Fuller Transmission Bearing Service Set

The #2-7070A is designed for removing input shaft bearings, main transmission front counter shaft bearings, and auxiliary section counter shaft bearings

on Fuller® 125, 600, 660, 900, 9500, 1100, 12500, 12600, 13000, 14600, 15600 & 8600 series, 910-913, 915 and 9513 twin counter shaft truck transmissions.

Removes 1600/1610-1810 series end yokes.



Bearing with Groove



Sleeve Fitting  
Into Groove



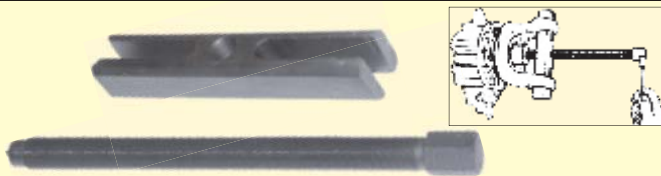
## No.A1120

## Truck Transmission Bearing Puller

Five sets of split sleeves lock into the circlip groove on transmission bearings and puller tube.

Forcing screw removes the bearing from shaft and the drive centric point on the bolt against the shaft end for installation.

**Make sure two sleeves are securely installed on the bearing groove**

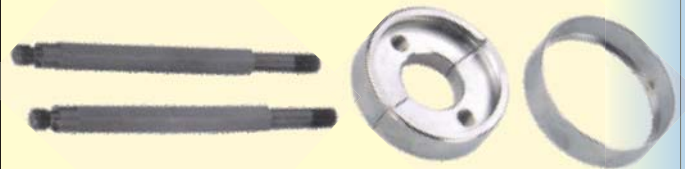


## No.2-7075

## Fuller Transmission Yoke Puller

For removing truck transmission output shaft end yokes from Fuller transmission drive shafts. Specially curved shape corners of the cross block fit into the universal joint yokes for removal without damage. Supplies 10 tons of mechanical force.

**Forcing Screw:** 3/4" UNF x 11.1/2" (290mm) long



## No.2-7070C

## Fuller Transmission Bearing Puller Set

For Eaton/Fuller 2 Series Roadranger Truck Transmissions.

When teamed with NO. 2-7075, this set removes front and rear countershaft bearing from main transmission case.

Set includes pulling collet, sleeve, and a pair of puller legs.



## No.J7490

## Truck Universal Joint Press

Designed for use with a 1/2" impact wrench, this universal tool removes even the most stubborn uni-joints with ease. It can be use at different angles and in tight places. Eliminating damage by make shift method. Bolts are stored in the holes of the puller legs. Works on most Dana, Spicer, Meritor and Rockwell universal joints.

## No.2-7084 Transmission Input Shaft Bearing Tool

2-7084



B204382

Three in one transmission input shaft tool allows the replacement of input shaft bearings on Fuller transmissions having 1.3/4" and 2" diameter shafts. The #A43199 adaptor is reversible to fit both locknut styles used on Fuller transmissions.

**B204382 Spicer Adaptor for #2-7084 Bearing Tool**

Adaptor to suit input shaft locknut used on Spicer 8500, 8700 4x3 & 4x4 transmissions.



## No.J7210

## Transmission Bearing Puller

A universal Transmission countershaft bearing puller with special special-purpose legs for locking into the gearbox bearing. Special yoke with adjusting screws hold legs of puller securely onto bearing.

**Capacity:** 10-85mm

**Reach:** 120mm



Use with #A1117  
Engine Revolver



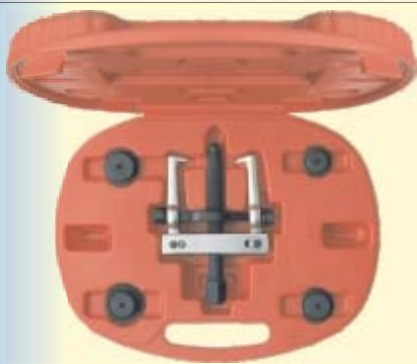
## No.A1117-4

## 500C Type Transmission Holder Base

Transmission Holder for use with #A1117 Engine Revolver enables technician to extract and install transmission parts at all different angles with 360° rotation. **Length:** 500mm







**No. J8081**

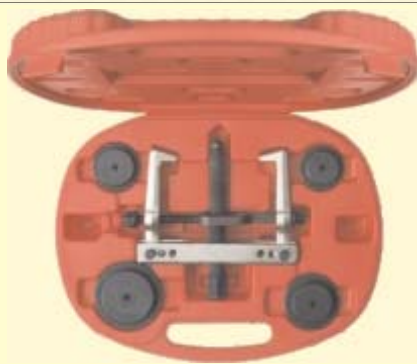
### Differential Side Bearing Puller

This differential side bearing puller features narrow pulling jaws to fit back of bearings. Features a lock on clamp bolt to hold puller legs into position.

Supplied with four step-plate adaptors.

**Reach:** 1.5/8"(40mm)

**Spread:** 2.5/8" to 3.3/8"(65mm to 85mm)



**No. J8085**

### Truck Differential Side Bearing Puller

This differential side bearing puller features narrow pulling jaws to fit back of bearings. Features a lock on clamp bolt to hold puller legs into position.

Supplied with four step-plate adaptors. **Reach:** 1.3/4"(45mm)

**Spread:** 3.1/2" to 5.1/2"(90mm to 140mm)

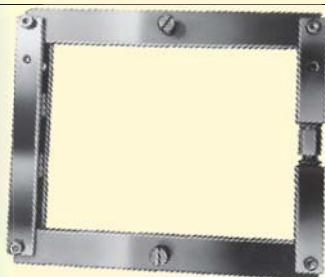


**No. J8060**

### Master Differential Side Bearing Puller Set

**Stepped Adaptor Sizes:**

1.1/8" to 1.1/2" dia. 1.1/8" to 1.5/8" dia.  
1.1/2" to 1.5/8" dia. 1.3/16" to 1.11/32" dia.  
1.1/2" to 2" dia. 1.21/32" to 2.1/8" dia.  
1.27/32" to 2.1/2" dia. 2.3/4" to 3.11/16" dia.  
**Spread:** 3.1/2" to 5.1/2"(90 to 140mm)  
**Reach:** 1.3/4"(45mm)



**No. 2-7071**

### Differential Housing Spreader

Helps you solve the difficult, time-consuming job of removing and or installing the differential carrier assembly from the housing on Dana axle models 30 through 70. Heavy duty device utilizes mechanical screw power to spread the housing, allowing easy removal of the differential assembly while eliminating damage so often caused to expensive components.



**No. 2-1031**

### Differential Side Carrier Bearing Puller

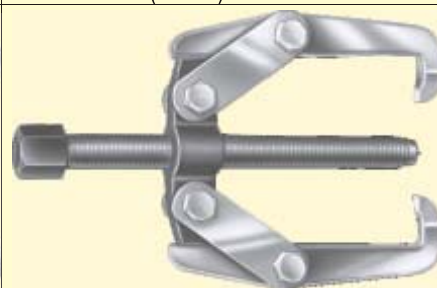
Removes differential side carrier bearings on most cars and light trucks.

Must be used with step plate adapters.

For servicing most General motors, American motors, and Chrysler products.

**Spread:** 6"

**Reach:** 3-1/4" (82.55mm)



**No. 2-1028**

### Differential Side Carrier Bearing Puller

Removes differential side carrier bearings on most cars and light trucks.

Must be used with step plate adapters.

Primarily for servicing Ford products.

**Spread:** 1-1/4" to 4-1/2"

(31.8mm to 114.3mm)

**Reach:** 3-1/2" (88.4mm)



### Truck Pinion Locknut Sockets

Extra deep, engineered with the proper clearance to fit the yoke & locknut assembly on truck transmissions & differentials. Sockets have high torque rating needed to service these locknuts eliminating having to grind and modify standard sockets.



**No. J4416**

### Clutch & Transmission Disconnect Tool Set

**Set includes:**

**J5100** GM Hydraulic Clutch Line Disconnect  
**J7244** GM Transmission Oil Cooler Line.  
**J7251** Chrysler / Jeep Transmission Oil Cooler  
**J7252** Oil Cooler Line Disconnect. GM/Ford  
**J7253** Oil Cooler Line Disconnect. 1986-on Ford  
**J7254** Ford Clutch Coupling Disconnect Tool.  
1988-current F-series truck, Bronco II, Ranger, Explorer; Ford Thunderbird/Mercury Cougar.

Part No.	Size	Opening	Drive	Length
J1975	2"	6 Point Locknut Socket	3/4"Drive	4"(100mm)
J1976	2.1/8"	6 Point Locknut Socket	3/4"Drive	4"(100mm)
J1977	2.1/4"	6 Point Locknut Socket	3/4"Drive	4"(100mm)
J1978	2.3/8"	6 Point Locknut Socket	3/4"Drive	4"(100mm)
J1981	2.1/2"	6 Point Locknut Socket	3/4"Drive	4"(100mm)
J1979	2.5/8"	6 Point Locknut Socket	3/4"Drive	4"(100mm)
J1980	2.3/4"	6 Point Locknut Socket	3/4"Drive	4"(100mm)



### No.7523 Double Hook Type Oil Seal Puller

Simply insert the tip of the tool behind the seal and pull. Leverage does the work! No more hammering and digging that might damage other costly components.

Double plate handle with double rivets for greater strength.

Two size tips reach in and fit most oil seal applications.

**Length:** 12"(300mm)



*Supplied with extra twin head oil seal hook!*



### No.7525 Twin Head Oil Seal Hook Puller



Simply insert the tip of the tool behind the seal and pull.

Leverage does the work! No more hammering and digging that might damage other costly components.

Two interchangeable heads with different angle tips reach in and fit most oil seal applications.

**Length:** 12"(300mm)

### No.65002 Mercedes Benz Pinion Flange Socket

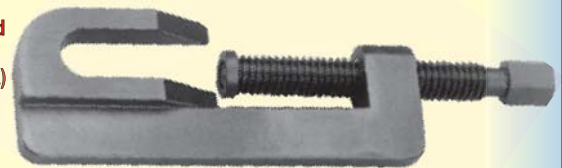
Special four lug deep 1/2" Drive socket for removing and replacing the pinion shaft flange nut found on Mercedes Benz models: 107, 114, 115, 116.

**Drive:** 1/2" Square

**Length:** 3.3/4"(95mm)



**Same as Ford  
No.307-133  
(T84P-7341-A)**



### No.J7788 Ford Grommet Remover

Separating the grommet style linkage on Ford automatic transmissions can be tricky without this tool. Effortlessly separates the linkage with-out trouble or damage.

**Same as Ford  
No.205-D036  
(D81L-4220-A)**

### No.2-7794 Pinion and Carrier Bearing Puller Set

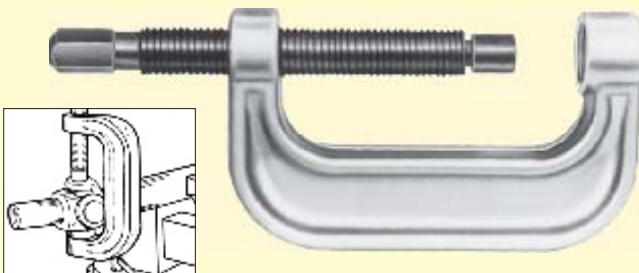


Used to remove pinion or carrier bearings on RWD and 4WD differentials without causing damage. It also eliminates damage to bearings that must be pressed off during certain service procedures. Suits Chrysler, Ford, GM vehicles with Dana differential assemblies.



### No.2-7020 Bench Mounted Holding Frame

This bench mounted holding frame enables you to securely hold and rotate small engines, transmissions, and other components. It will allow 360° rotation with positive stops at 90° increments allowing easy access for work. The bench mounted holding frame can hold up to 250lb(115kg)

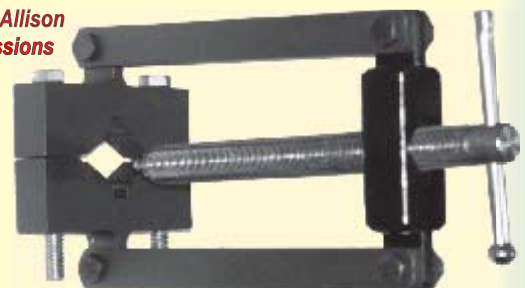


### No.J7248 U-Joint Remover / Installer Tool

Forcing screw-power press is used to remove and replace automotive universal joints with needle-type bearings (including GM plastic pin CV type U-Joints).

Won't damage costly components. Forged webbing body handles up to 25 tons of force.

**Works on Allison  
Transmissions**



### No.7990 Universal Automatic Transmission Pump Remover

Removes stubborn automatic transmission pumps without causing damage to the stator support. Hardened steel jaws ensure a positive firm grip onto pump body.







**No.7313**  
**Flat Nose Retaining**  
**Ring Pliers**

These retaining ring pliers are for the removal and installation of snap-rings with reverse bevel ends, used to locate bearings on shafts of transmissions, differentials etc.

**Max Spread:** 1.7/16"(36mm) **Length:** 8.1/2"(215mm)



**No.7314**  
**Extra Thin Retaining Ring**  
**Plier Transmission Lock ring**

For use on automobile transmission rings.  
9-1/2" long with vinyl grips



**Straight tips**  
**included**  
**with pliers**



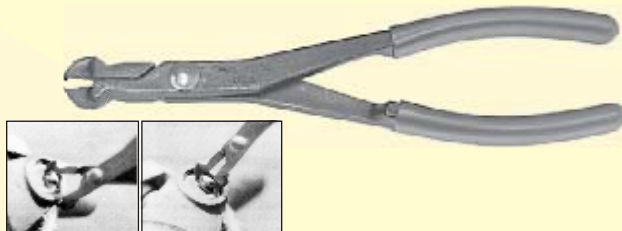
**Extra Large**  
**for truck & tractor**  
**transmissions**

**No.741**  
**Heavy-Duty Lock Ring Pliers**

Designed for heavy-duty service on external lock rings used in truck and tractor transmissions. Replaceable tips. Extra leverage from long spring loaded handles. Includes serrated angled flat tips plus flat straight tips. **Spread:** 3"(75mm) **Length:** 14"(355mm)

**No.742 Angled Replacement Tip Set**

**No.743 Straight Replacement Tip Set**



**No.7242**  
**Uni-Joint Snap Ring Pliers**

Specially designed to easily remove and replace universal joint snap rings used on Hotchkiss drive shafts. The pliers break loose even highly corroded rings, then grip the ring and lift it out. The unique jaw design allows the mechanic to easily pick up the snap ring from a flat surface. Using just one hand, the ring can then be compressed and placed back into the U-joint groove.

**Length:** 9"(230mm)



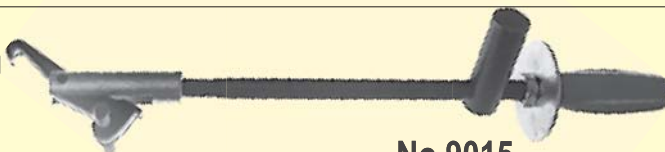
**No.9016**  
**Easy-Roll Seal Hook**

Easy roll-in feature is made possible by 360 degree pivot of pulling jaw on puller head.

The three segment design conforms to the shape of the seal for maximum contact.

Works well on pilot bearings etc.

Can be used with #9554 or any slide hammer with 1/2"UNC threaded shaft.



**No.9015**  
**Easy-Roll Seal Puller**

Easy roll-in feature is made possible by 360 degree pivot of pulling jaw on puller head.

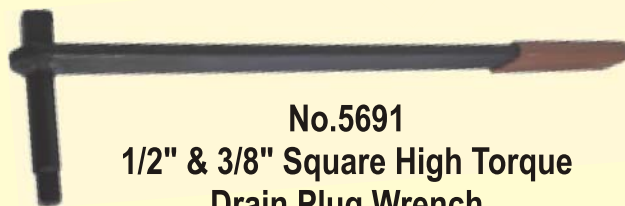
The three segment design conforms to the shape of the seal for maximum contact. Works well on pilot bearings and features unique hammering handle. **Thread Size:** 1/2"UNC **Length:** 16"(400mm)



**No.9014**  
**Oil Seal Slide Hammer Puller**

Designed to remove oil seals on transmissions, axles, differentials, power steering pumps etc. A light tap of the sliding hammer will pierce the seal and the self threading screw is then fed into the seal for extraction.

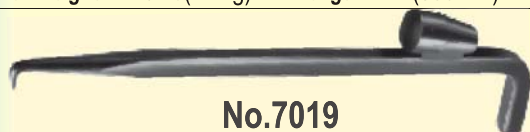
**Hammer Weight:** 2.1/2lb(1.2kg) **Length:** 14"(350mm)



**No.5691**  
**1/2" & 3/8" Square High Torque**  
**Drain Plug Wrench**

1/2" & 3/8" male square for removing drain plugs on oil, transmissions, and differentials. Heavy-duty construction, tempered to withstand the rigors of constant use.

**Length:** 12"(305mm)



**No.7019**  
**Oil Seal Puller Hook and Hammer Type**

Removes the most stubborn seals from transmissions, axles and those seals that are difficult to reach. Once the hook point is lodged into seal, the hammer head striker plate on the shaft will enable you to hammer seal out. Made from heat treated forged alloy steel.

**Tip Width:** 1/4"(6mm) **Length:** 12.1/2"(320mm)

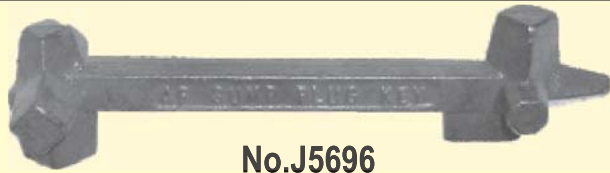


**No.7014**  
**Transmission Snap Ring Tool**

Easily removes drum/clutch retaining rings on most automatic transmissions. The snap ring tool is useful on both front and rear wheel drive cars.

**Tip Width:** 5/16"(8mm) **Length:** 15"(380mm)



**No. J5696****Universal Square Drain Plug Wrench**

For servicing cars and trucks with internal square drain and filler plugs. Tapered square ends ensure a positive fit into worn filler plugs

**Square Sizes:** 5/16", 3/8", 7/16", 1/2", 9/16", 5/8"  
(8mm, 10mm, 11mm, 13mm, 14mm, 16mm)

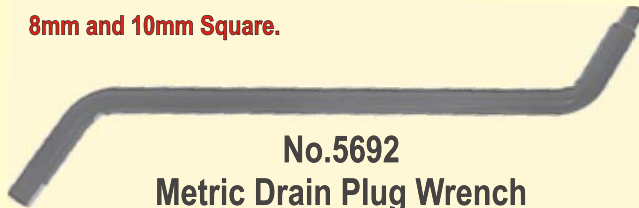
**Length:** 8.1/4"(210mm)

**No. 5685****Universal Hex / Square Drain Plug Wrench**

For servicing cars and trucks with external hexagon and square drain and filler plugs. Hexagon ends are double sided giving the four most popular hexagon sizes. Also has three eight point openings to fit male square plugs.

**Length:** 8.5/8"(220mm)

**8mm and 10mm Square.**

**No. 5692****Metric Drain Plug Wrench**

For servicing internal square drain and filler plugs fitted to many Asian and European vehicles. Made from forged alloy steel.

**Sizes:** 8mm and 10mm square **Length:** 11.1/2"(295mm)

**No. 5703****12mm Oil Drain Plug Wrench  
ALFA ROMEO, FLAT, LANCIA**

For the oil filler and oil drain plug gearbox, differential, oil pan e.g. on Alfa Romeo, Fiat, Lancia. For 12 mm inside hexagon screws.

**Includes Square,  
Hex and Triangle  
Wrenches**

**No. 5704****14 Piece Drain Plug Key Set**

14 Piece drain plug wrench set will enable you to reach into confined areas for removal and replacement of both internal square, in-hex and triangle filler and drain plugs on gearboxes, differentials and engine sumps.

**3/8" Drive Hexagon sizes:** 8mm, 9mm, 10mm, 12mm, 14mm, 17mm

**3/8" Drive Square sizes:** 5/16", 3/8", 7mm, 8mm, 11mm, 13mm

**3/8" Drive Female Square:** 10mm

**3/8" Drive Triangular:** 10mm

**FIX TEXT No. 5690****Universal Drain Plug Wrench Set**

12 Piece drain plug wrench set will enable you to reach into confined areas for removal and replacement of both internal square and in-hex filler and drain plugs on gearboxes, differentials and engine sumps.

**Hexagon sizes:** 5/16", 3/8", 8mm, 9mm, 10mm, 12mm, 14mm, 17mm

**Square sizes:** 5/16", 3/8", 11mm, 13mm **Universal Sliding T-bar.**

**No. 5693  
1/2" Drive Dual Size Drum  
Cap / Plug Socket**

One socket removes virtually all screw-in drum plugs or caps large or small. Spring loaded inner wrench handles smaller plugs and recesses automatically when removing large plugs. Use with a 1/2" drive ratchet or impact wrench.

**5512****5514****5517****3/8" Drive Drain Plug Wrenches**

Wrenches fit into confined areas for removal and replacement of in hex filler and drain plugs on gearboxes, differentials and engine sumps. 3/8" Square Drive.

**No. 5512** 12mm In-Hex 3/8" Drive Drain Plug Wrench

**No. 5514** 14mm In-Hex 3/8" Drive Drain Plug Wrench

**No. 5517** 17mm In-Hex 3/8" Drive Drain Plug Wrench

**No. 5513  
3/8" Drive Triangular  
Drain Plug Key Renault**

3/8" Drive 10mm triangular drain plug socket for removal and replacement of drain plugs.

**Applicable:** Renault

**No. 5515  
10mm Square Female  
Drain Plug Socket**

3/8" Drive 10mm square female drain plug socket for removal and replacement of drain plugs.

**Applicable:** BMW, Ford, Renault, Toyota





**No.7018**

### Transmission Linkage Removal Tool

Tool separates linkage rod from plastic bushing in transmission lever. High strength steel is specially treated for wear and breakage resistance. Angled "pickle fork" design easily separates linkage.

Allows access to hard to reach linkages in confined areas. Removes transmission linkages using plastic bushings, from the shift lever on:

**GM Trucks:** 4 x 4, with 207 and 208 transfer case - 1981 & up.

**Jeep:** 4 x 4 with 228 and 229 transfer case - 1981 & up

**Ford:** FMX, C-3, C-4, C-5, C-6, AOD and A4LD-1974 & up.

*Works on English and Asian transmissions.*



**No.T9855**

### Split Collet Gear and Bearing Puller

Specially designed split collets can be placed over the bearing to securely hold the bearing enabling its removal from the fifth gear on later model transmissions fitted to Ford four cylinder vehicles.

The outer sleeve prevents the puller jaws from spreading under load and the conical shaped forcing screw protects the transmission shaft from being damaged. Made from heat treated alloy steel.

**Length:** 6.1/4"(160mm)

**Weight:** 3lb(1.33kg)

***Stops loss of transmission fluid***



**No.J6750**

### Transmission / Transaxle Plug Set

Five stepped plugs fit both transmissions and transaxles on most imports, domestic cars and pickups. Stepped design prevents slipping out. Special adapter included for side gear centering on Ford transaxles.

**Plug Sizes:**

1: 1" to 1.25"(25 to 32mm)      2: 1.30" to 1.55"(33 to 39mm)

3: 1.60" to 1.85"(40 to 47mm)      4: 1.92" to 2.18"(49 to 55mm)

5: For Ford Transaxles



**No.4944**

### 3Pc. Sump Plug Oil Drain Shield Kit

Use to remove sump plugs from hot engines and protect hands from burns. Prevent dropping sump plug into drain pan. Three double ended tools with sizes to suit most plugs.

**Set consists of the following sizes:**

1: 1/2" (13mm) & 9/16" (14mm)

2: 5/8" (16mm) & 11/16" (18mm)

3: 3/4" (19mm) & 7/8" (22mm)



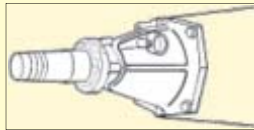
**No.6750**

### Transmission Stop-Off Tool

Eliminates the need to drain transmission fluid when removing tail-shafts. Tool plugs into tail-shaft opening.

Double ended tapered design to fit most rear wheel drive cars.

**Capacity:** 1.1/2" to 2"(38 to 50mm)



**No.7994**

### Long Reach "Dead Blow" Driver

Impact resistant DELREN ends deliver a "Dead Blow".

Use for safely starting races and bearings true without damage.

Has extra long reach to get down into transmission cases.

**Length:** 14"(355mm)



**No.J7244**

### Quick Disconnect Tool

- Universal application
- Steel construction

Suits quick connectors found on everything from EFI, radiators, transmission and power steering lines. Suits late model Ford and GM vehicles by sliding down the line and into the connector, spreading the clip apart for removal, without disturbing the quick connect seals.



**No.6755**

### Selector Shaft Seal Remover and Installer

To remove and install automatic transmission selector shaft seals without draining fluid. Screw threaded cone into seal and tighten forcing screw to easily pull worn seals. Place installer over new seal and selector shaft and lightly tap into place.

**Capacity:** 1/2" to 11/16"(13 to 18mm)



**No.6757**

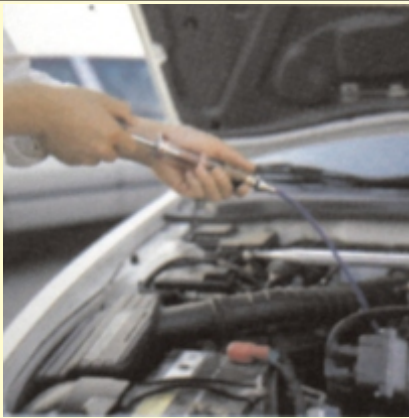
### Selector Shaft Seal Remover and Installer

To remove and install automatic transmission selector shaft seals without draining fluid. Screw threaded cone into seal and tighten forcing screw to easily pull worn seals. Place installer over new seal and selector shaft and lightly tap into place.

**Capacity:** 7/8" to 1"(22 to 25mm)







### No.WH198 Oil Quality Comparator

Oil Quality Comparator includes oil extraction siphon pump and three sample vials for checking automatic transmission fluid condition. Enables samples to be examined to distinguish between normal, acceptable and poor qualities oil. Supplied in blow mold case.



### No.6700

### Selector Shaft Seal Remover & Installer Kit

Ten piece set removes and replaces selector shaft seals on a wide variety of automatic transmissions without the need to drain the oil. Simply screw left hand threaded tapered cone into seal and tighten forcing screw to extract the seal. Kit includes replacers for seal installation.

*(Available Separately)*

**No.6701 Selector Shaft Seal Rem/Installer Suits:** Trimatic and GM Turbo 400

**No.6702 Selector Shaft Seal Rem/Installer Suits:** V6 Commodore and GM Turbo 350

**No.6703 Selector Shaft Seal Rem/Installer Suits:** Asian Warner, Volvo, Toyota, Mitsubishi, Borg Warner 55

**No.6704 Selector Shaft Seal Rem/Installer Suits:** Borg Warner LE 72, 85, 91, 93, 95, 97. Four Speed Falcon

**No.6705 Selector Shaft Seal Rem/Installer Suits:** Model 35, 40, 51. Three speed Falcon

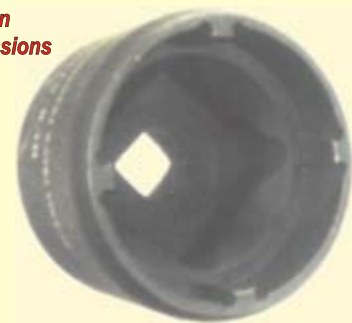


### No.J7795

### Universal Pinion Depth Setting Gauge Set

The Universal Pinion Depth Setting Tool may be used to measure pinion depth of most automotive and truck differentials. Measurements are obtained by attaching the tool to the machined bearing cap mating surface in the housing and checking the distance to the pinion gear. Three dial indicator extensions (2", 3" and 4") are included to accommodate a variety of rear end types.

**Scania / Man  
Trucks transmissions**



### A1090

### 70mm 4 Lug Truck Transmission Socket

Special 3/4"Drive four lug socket for removal and replacement of transmission output shaft lock nut.

**Inside Lug Diameter:** 64mm

**Outside Lug Diameter:** 70mm

**Width of Lug:** 7mm



**Scania / Man  
Trucks transmissions**

### B1090

### 80mm 4 Lug Transmission Clutch Front Main Shaft Socket

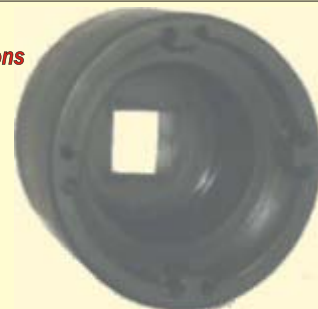
Special 3/4"Drive four lug socket for removal and replacement of transmission clutch front main shaft socket.

**Inside Lug Diameter:** 72mm

**Outside Lug Diameter:** 80mm

**Width of Lug:** 7mm

**Scania / Man  
Trucks transmissions  
8 Speed Bus**



### C1090

### 65mm 4 Lug Transmission Nut Socket

Special 3/4"Drive four lug socket for removal and replacement of transmission output shaft lock nut.

**Inside Lug Diameter:** 58mm

**Outside Lug Diameter:** 65mm

**Width of Lug:** 7mm







### No.J7057 Spicer / Rockwell / Meritor Universal Joint Service Tool Set

The J7057 service tool set removes even the most rusted and corroded bearings easily and mechanically, without damage to the U-Joint components, even where the space is limited. It applies up to 7 tons of force to separate the yoke assemblies and remove bearings the right way.

**Applications:**

**Spicer:** 1600\*1610 through to 1880 series universal joints

**Rockwell:** 16N, 17N, 18N, & 1710 series universal joints

**Meritor:** 16N, 17N, 18N, & 1710 series universal joints

**Capacity:** 7 Tons

Complete with instructions and supplied in sturdy storage blow mold case.



### No.J7200 Transmission Bearing Puller

Designed for removing input shaft bearings and main transmission counter-shaft bearings and auxiliary section counter-shaft bearings on truck transmissions. Specially shaped pulling jaws grip firmly on the bearing circlip grooves to provide a positive pulling force. Long thin jaws are adjustable to fit counter-shaft bearings on many Asian commercial vehicles, trucks, tractors etc. Special clamp holds puller legs securely into circlip grooves.

**Capacity:** 3" to 6.3/4" (75 to 170mm) **Length:** 15" (380mm)

**Replacement Parts:**

**No.J7200-L1** Black Tip with Screw for #J7200

**No.J7200-L2** Chrome Tipped Leg Set for #J7200

**No.J7200-L3** 2Pc. Black Tipped Leg Set for #J7200



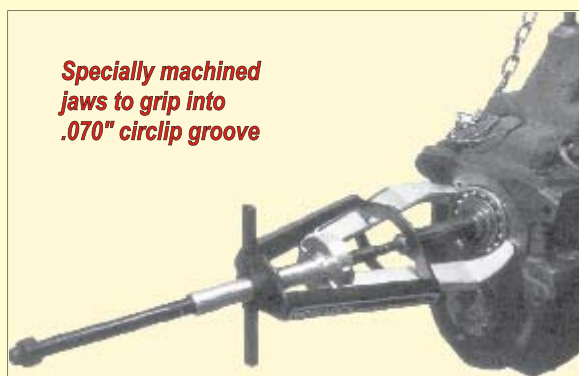
### No.7997 Universal Transmission Bushing and Seal Driver Set

Includes nine bushing drivers and hardware to service most transmissions.

Rubber O-rings on the bushing drivers secure the bushings onto the proper driver and eliminate damage to new bushings while being driven into position.

Built-in stops ensure correct seating depth for bushings in GM 125, 200, and 350 Series transmissions.

Packaged in a FT-520-15 Red Plastic Box, complete with instructions.



*Specially machined  
jaws to grip into  
.070" circlip groove*



### No.TJ-1 Heavy-Duty Transmission Bearing Puller

Puller jaws lock into snap ring groove as narrow as .070" to allow removal of front input shaft bearings on 1955 to present three, four and five speed standard and overdrive manual transmissions on rear wheel drive local and imported cars, vans, trucks, etc.

**Reach:** 10" (255mm)

**Spread:** 2.1/4" to 15" (57 to 380mm)

**No.TJ1-L1** Replacement 8" Leg for #TJ-1

**No.TJ1-L2** Replacement 16" Leg for #TJ-1

### Automatic Transmissions

It was never easy to completely replace old fluid with new fluid using traditional methods of fluid exchange. The new fluid was always mixed with sediments or impurities from the used fluid. This results in slow acceleration, shaking while shifting gears, over heating and excessive fuel consumption.

Above conditions require additional care to prevent future break downs.

Nevertheless, by using the #WH202 Automatic Transmission Fluid Extractor you can restore the performance of the automatic transmission to original condition.



Perspective drawing of automatic transmission

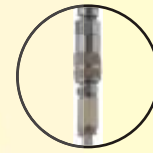


Illustration of quick release couplings.

### No.WH-320 Automatic Transmission Fluid Fitting Connector Kit

Set contains a complete range of fittings to suit all ATF machines.

Set Contains:

Available Separately

NO.	Suitable for the following vehicles
1	Mercedz Benz, Seirra, Lanca
2	BMW
3	GM
4	Alpha Romeo
5	Volvo
6	VW / Renault
7	Audi / Renault
8	Japanse/Taiwanese/Korean/Opel cars
9	Saab / Citroen / Lancia
9A	Citroen / Lancia
10	Japanse/Taiwanese/Korean/Opel cars
11	Japanse/Taiwanese/Korean/Opel cars
12	VW / Austin(with level stick)
13	Peugeot 405/Austin2000 w/level stick
15	90° Angle fitting for BMW and Toyota
16	Volvo 850
17	Opel Corsa
2A	Special use for BMW after 1996
I	5/8" Connector Hose
F	5/16" Connector Hose
H	1/2" Connector Hose
G	3/18" Connector Hose
S	(Snap in Style fittings) 9mm/10mm
T	(Snap in Style fittings) 11mm/12mm
U	(Snap in Style fittings) 13,16,19,23mm



Includes WH-198  
Oil Quality Comparator



### No.WH202A

#### Two Direction Auto Transmission Fluid Exchanger Unit

Safe and easy removal of auto transmission fluids.

This machine will remove 100% of the old oil and complete the exchange of oil in under 20 minutes. The old fluid and the new fluid will flow through different routes to stop the old fluid contaminating the new fluid.

Each unit comes complete with 20 connector sets (No.WH202ADAPT) to suit most manufacturers makes and models of automatic transmissions.

This unit offers separate 20 litre new and used fluid tanks.

Machine is connected via the transmission cooling line.

**Width:** 24"(610mm) **Depth:** 22.1/4"(565mm) **Height:** 35.7/16"(900mm)

**Weight:** 100lbs(45kgs)

**No.WH202FILTER** Replacement Filter for #WH202



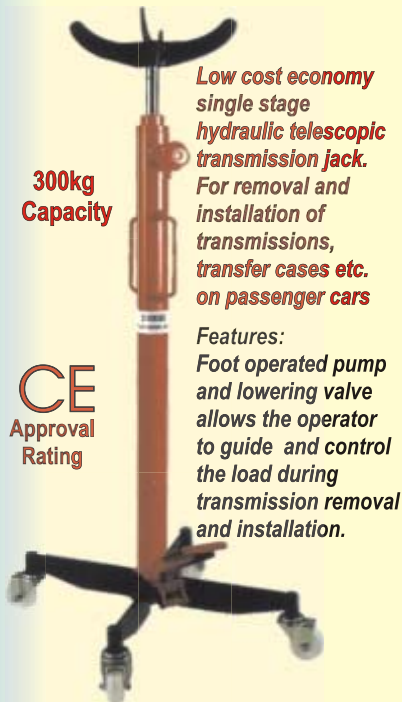
### No.WH202ADAPT Auto Transmission Fluid Exchanger Adaptor Kit

Replacement set suits both #WH202 & #WH202A Auto Transmission Fluid Exchanger Units. Kit includes 20 connector sets to suit most manufacturers makes and models of automatic transmissions.





### No.TJ703A 670lb. Telescopic Transmission Jack

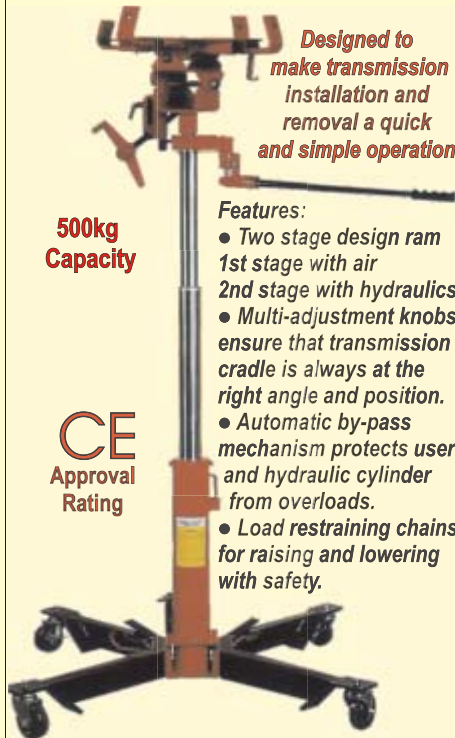


*Low cost economy  
single stage  
hydraulic telescopic  
transmission jack.  
For removal and  
installation of  
transmissions,  
transfer cases etc.  
on passenger cars*

**Features:**  
Foot operated pump  
and lowering valve  
allows the operator  
to guide and control  
the load during  
transmission removal  
and installation.

**Saddle Min. Height:** 44.1/8"(1120mm)  
**Saddle Max. Height:** 72.7/16"(1840mm)  
**Saddle Width:** 12.9/16"(320mm)  
**Weight:** 64lbs(29kg)

### No.TJ800C 1100lb. Air / Hydraulic Telescopic Transmission Jack



*Designed to  
make transmission  
installation and  
removal a quick  
and simple operation*

**Features:**

- Two stage design ram  
1st stage with air  
2nd stage with hydraulics
- Multi-adjustment knobs  
ensure that transmission  
cradle is always at the  
right angle and position.
- Automatic by-pass  
mechanism protects user  
and hydraulic cylinder  
from overloads.
- Load restraining chains  
for raising and lowering  
with safety.

**Saddle Min. Height:** 36"(915mm)  
**Saddle Max. Height:** 76"(1930mm)  
**Air Stage Lift:** 19"(485mm)  
**Hydraulic Stage Lift:** 20"(510mm)  
**Weight:** 38lbs(63kg)

● **Designed for use under vehicle hoist**  
This 500kg capacity jack makes quick work  
of removing and installing today's car and  
light commercial transmissions. The foot  
pump has two pistons for maximum speed in  
the first & second stage. Required time to  
raise the first stage is about 10 seconds.  
Foot operated pump allows operator to  
guide and control the fully adjustable load  
during transmission installation or removal.  
Four wheel base provides stability and  
effortless positioning.

### No.TJ805 1100lb.High Lift Transmission Jack



Min. Height	Max. Height	Wheel Span	Lift Load	Gross Weight
870mm	1800mm	820mm	500kgs	65kgs

### Transmission Floor Jacks

Transmission Floor Jacks feature universal saddle brackets and chain slings which are fully adjustable. Precision saddle tilt is obtained by simply turning the speed knobs. Safety overload system and safety by-pass system prevent cylinder damage. Pump handle rotates a full 360 degrees. Low frame easily clears undercarriage obstacles. Easily accessible release valve facilitates sensitive load lowering. Four swivel wheels and grab handles on each end make jack and load positioning easy and precise. Rugged construction allows the jack and load to be transported around the workshop easily and safely, in the lowered position.

### No.TJ915 3300lb. Transmission Floor Jack

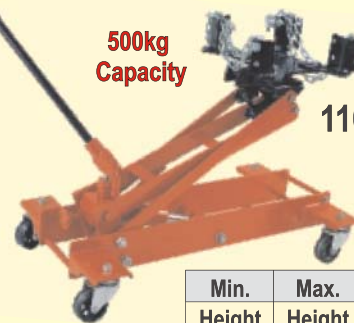


**1500kg  
Capacity**

Min. Height	Max. Height	Overall Width	Overall Length	Gross Weight
165mm	890mm	650mm	1105mm	150kgs

**500kg  
Capacity**

### No.TJ905 1100lb.Transmission Floor Jack



Min. Height	Max. Height	Overall Width	Overall Length	Gross Weight
200mm	770mm	480mm	820mm	50kgs

### No.TJ910 2200lb Transmission Floor Jack



**1000kg  
Capacity**

Min. Height	Max. Height	Overall Width	Overall Length	Gross Weight
200mm	750mm	480mm	865mm	65kgs