

AUTOMOTIVE SPECIAL TOOLS

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AUTOMOTIVE SPECIAL TOOLS

Leak Detector Systems



6521

6525

LeakMaster™ & LeakTamer™ Plus Evap Systems

- Vacuum Leak Testing
- Exhaust Leaks
- Crankcase Oil
- Cooling System Testing
- Wind and Water Leaks
- 1-Year Warranty

The LeakMaster and LeakTamer Plus Evap are the latest generation of leak detection systems, providing more smoke and better control. Solid-state circuitry improves reliability and ensures more consistent smoke output. A wide assortment of accessories make the LeakMaster and LeakTamer Plus Evap versatile tools for quickly locating different kinds of leaks.

The LeakMaster and LeakTamer Plus Evap offer:

- Densest smoke in the industry.
- Newly redesigned smoke chamber and control system.
- More complete line of accessories.
- User refillable.
- More than 1000 tests per refill.
- Non-toxic, non-corrosive smoke.
- Built-in flowmeter to verify flow (6525 only).

No. 6521 – LeakTamer Plus Evap system. Wt., 20 lb.

No. 6525 – LeakMaster leak detection system. Wt., 22 lb.

OTC LeakMaster & LeakTamer Plus Evap System Parts included and available separately

| Number | Description | 6525 | 6521 |
|-----------|----------------------------------|------|------|
| CEA-01 | Exhaust Cone (2 each) | X | X |
| CEA-02 | Cap Plug Kit | X | X |
| CEA-03 | Smoke Diffuser Adapter | X | |
| CEA-04 | Standard Service Port Adapter | X | X |
| CEA-041 | Nitrogen Coiled Hose 25 ft. | X | |
| CEA-042 | Small Service Port Adapter | X | |
| CEA-049 | Schrader Removal Tool | X | X |
| HS-400AC | Halogen Spotlight | X | X |
| 6525-1 | Pressure Regulator | X | |
| 6525-2 | Dipstick | X | X |
| 6525-3 | Pointer Flag (for flow meter) | X | X |
| 6525-4 | Water Trap w/filter | X | X |
| 6525-5 | Battery Power Cable Assembly | X | |
| 6525-6 | Remote On/Off (switch only) | X | X |
| 6525-7 | Remote Cable Assembly (w/switch) | X | X |
| 6525-8 | Brass Nozzle | X | X |
| 6525-9 | Brass Nozzle and Hose Assembly | X | X |
| 6525-10 | Rubber Feet (4 reqd.) | X | X |
| 6525-11 | Accessory Storage Bag | X | |
| 6525-12 | Tech Tips Manual | X | |
| P-0716-UV | Smoke Producing Solution | X | X |

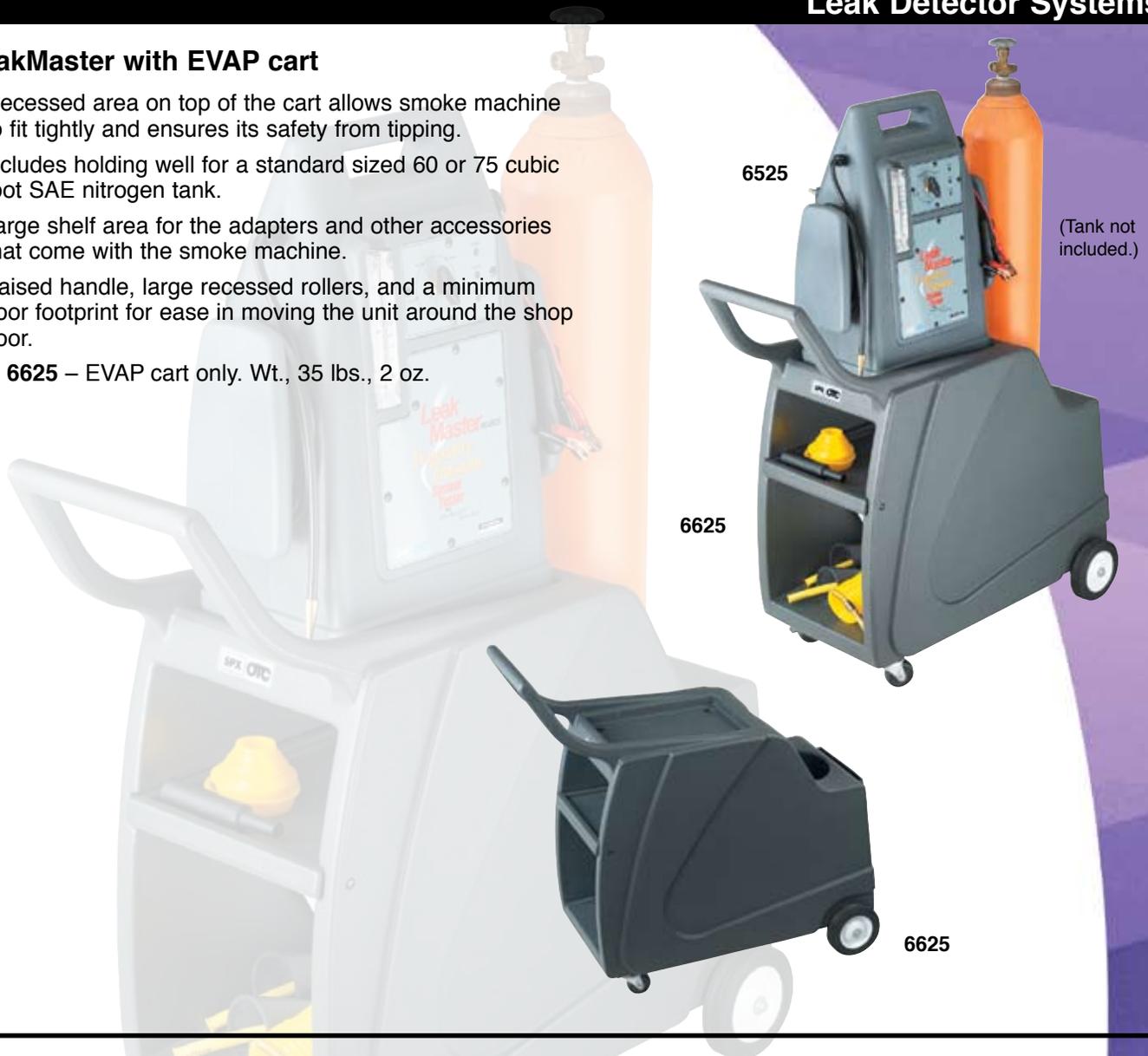
OTC LeakMaster and LeakTamer Plus Evap System Specifications

| | No. 6521 | No. 6525 |
|-----------------------------|--------------------------------------|--------------------------------------|
| Height | 23 in. (58.4 cm) | 23 in. (58.4 cm) |
| Width | 18 in. (45.7 cm) | 18 in. (45.7 cm) |
| Depth | 9-1/2 in. (24.1 cm) | 9-1/2 in. (24.1 cm) |
| Weight | 17 lb. (7.6 kg) | 17 lb. (7.6 kg) |
| Ship Weight | 20 lb. (9.0 kg) | 20 lb. (9.0 kg) |
| Power Supply | 12-volt DC | 12-volt DC |
| Amperage Usage | 15 amps | 15 amps |
| Supply Pressure | 13.0 in. H ₂ O | 13.0 in. H ₂ O |
| Supply Volume | 15 liters per minute | 15 liters per minute |
| Operating Temperature Range | 45° F to 140° F (7.2° C to 60° C) | 45° F to 140° F (7.2° C to 60° C) |
| Smoke Supply Line | 10 feet (3m) | 10 feet (3m) |
| Power Supply Line | 10 feet (3m) | 10 feet (3m) |
| Remote Starter Cable | 10 feet (3m) | 10 feet (3m) |

LeakMaster with EVAP cart

- Recessed area on top of the cart allows smoke machine to fit tightly and ensures its safety from tipping.
- Includes holding well for a standard sized 60 or 75 cubic foot SAE nitrogen tank.
- Large shelf area for the adapters and other accessories that come with the smoke machine.
- Raised handle, large recessed rollers, and a minimum floor footprint for ease in moving the unit around the shop floor.

No. 6625 – EVAP cart only. Wt., 35 lbs., 2 oz.



Clamshell Strut Spring Compressor

Servicing MacPherson struts is convenient and affordable with this compressor. It fits a wide range of struts and requires no special adapter shoes.

- Locking pins hold the compressor jaws in place.
- Tool compresses springs of 4 in. to 9 in. O.D., with wire diameters of 7/16" to 11/16".
- Built to use with an impact wrench

No. 6494 – Clamshell strut spring compressor.
Wt., 19 lbs.



Note: Not to be used on conventional coil springs.

AUTOMOTIVE SPECIAL TOOLS

Strut Tamer™ HD & Strut Tamer™ Elite



6585



6586

Shown with strut



6587



StrutTamer™ HD Strut Spring Compressor

Simply the most effective compressor for virtually any straight, conical, or offset spring.

- Four-point locking jaws securely hold the spring in place.
- Open-ended design means you can take the strut in and out, quickly and easily.
- The arms adjust in and out, up and down, to accept many sizes of springs.
(2-1/2" to 10" diameter)
(2-1/2" to 24" vertical stroke)
- Extra long 3-bar handle gives user the leverage needed to compress the big strut springs.
- No need to change shoes for different size springs.
- Easy to transport when mounted on optional stand (No. 6586 – StrutTamer HD with stand; No. 6582 – stand only).
- Comes with No. 6583 Bridge accessory to be used on springs that cannot be compressed enough to remove the retaining nut.



6583

No. 6585 – StrutTamer HD strut spring compressor, and No. 6583 Bridge accessory. Wt., 82 lbs.

No. 6586 – StrutTamer HD. Includes StrutTamer spring compressor, No. 6583 Bridge accessory, and No. 6582 mobile stand. Wt., 150 lbs.

No. 6582 – StrutTamer stand. Wt., 68 lbs.

No. 6587 – 2:1 reduction gearbox. Allows a 2:1 torque compression increase when compressing struts.



6580



6582



6581

Shown with strut

StrutTamer™ Elite Strut Spring Compressor

Our new StrutTamer Elite for MacPherson strut springs is an effective compressor for handling almost any straight, conical, or offset spring. With its adjustable arms and four-point locking jaws, the StrutTamer Elite securely holds the spring.

The StrutTamer features:

- Adjustable center screw that keeps a strut and spring aligned.
- Crank designed to compress a spring faster and easier.
- Coverage: 2-1/2" to 10" spring diameters, 2-1/2" to 24" vertical stroke range.
- Comes with No. 6583 Bridge accessory to be used on springs that cannot be compressed enough to remove the retaining nut.
- Easy mounting to wall or optional stand.
- Welded steel frame with two wheels that enable easy movement of the unit. (6581)
- Non-slip rubber pads that keep the stand firmly in place during compression. (6581)



6583

No. 6580 – StrutTamer Elite strut spring compressor, and No. 6583 Bridge accessory. Wt., 81 lb.

No. 6581 – Master StrutTamer Elite set. Includes StrutTamer spring compressor, No. 6583 Bridge accessory, and portable stand. Wt., 142 lb.

No. 6582 – StrutTamer Elite portable stand. Wt., 61 lb.

StrutTamer™ HD and StrutTamer™ Elite Strut Compressor Bridge Accessory

- Used to compress strut springs if technician prefers to press on the top plate of the strut rather than attaching the locking jaws to the top coils of the spring.
- Attaches to the locking jaws and is manually adjusted to bridge the strut top plate to be compressed. Lower part of spring is still held in the two lower locking jaws.
- Included with the 6580 & 6585. Available separately for owners of previous model No. 6070. Also works with 6494.

No. 6583 – Bridge accessory for StrutTamer Elite and HD. Wt., 2 lbs. 5 oz.



3-Knob Handle for StrutTamer Elite

- Large, easy-to-grasp knobs provide ease of spring compression when using the StrutTamer Elite strut spring compressor.
- Included with the 6580. Available separately for owners of previous model No. 6070.

No. 518450 – 3-knob handle for StrutTamer Elite. Wt., 1 lb. 5 oz.



MacPherson Strut Spring Hook Compressor

These devices quickly and easily compress most sizes of MacPherson strut springs. Setup is fast and simple. Compression is achieved by alternating from one assembly to another. Each device has a heat-treated alloy thrust screw (5/8"-11 x 12") with forged hooks.

No. 7294 – MacPherson strut spring hook compressor, for most sizes of MacPherson strut springs. Wt., 7 lbs., 3 oz.



Front Coil Spring Compressor

This compressor fits most late-model rear wheel drive domestic vehicles in which the coil springs are between the upper and lower control arms. The tool features four case-hardened, self-aligning plates to ensure correct load distribution under tension. Includes two 3-3/8" ID plates and two 4" ID plates. Will not work on Mercedes-Benz vehicles.

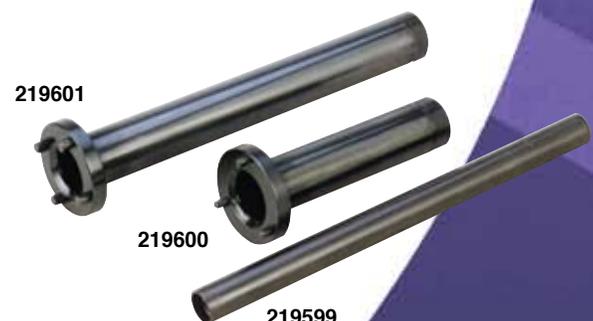
No. 7045B – Front coil spring compressor. Wt., 13 lbs.



GM W-Body Strut Service Set

This set has the tools needed for removing and installing gas-charged or oil-filled strut cartridges on 1988–96 Pontiac Grand Prix, 1988–98 Oldsmobile Cutlass Supreme, 1988–99 Chevrolet Lumina sedan, 1995–99 Chevrolet Monte Carlo, and 1988–96 Buick Regal. It enables you to work through the strut tower without removing the strut assembly from the vehicle.

No. 7568A – GM W-body strut service set. Includes No. 219600 jounce bumper retainer wrench, No. 219601 strut cap nut wrench, and No. 219599 strut extension rod. Wt., 3 lbs., 7 oz.



AUTOMOTIVE SPECIAL TOOLS

Suspension Service



4533

GM W-Body Strut Tool Kit

- Includes one T50 TORX® bit, a universal drive handle, and a double-ended socket.
- Use one end of the socket to remove/install the jounce bumper; the other end to remove/install the strut cap nut.

Works on GM W-body vehicles:

1988–96 Pontiac Grand Prix
1988–98 Olds Cutlass Supreme & Chevrolet Lumina Sedan
1995–99 Chevrolet Monte Carlo
1988–96 Buick Regal

No. 4533 – GM W-body strut tool kit. Wt., 3 lbs., 14 oz.



7707

VW and Audi Strut Nut Socket

This 1-3/4" long socket is built for VW and Audi FWD cars in which the top shock-retaining nut is recessed inside the strut tower. The tool's center bore allows you to hold the strut shaft from turning, using a 7/8" (22 mm) hex key and appropriately sized wrench.

No. 7707 – VW / Audi strut nut socket. Wt., 4 oz.



7544

Strut Rod Nut Socket (24 mm)

This specially designed socket is needed to loosen and tighten the top strut nut when servicing the strut spring or strut cartridge. The socket is used with a 1/2" ratchet or breaker bar to turn the strut nut while holding the strut rod with the appropriate wrench. The socket fits 24 mm strut rod nuts found on many domestic FWD vehicles including 1988–96 Pontiac Grand Prix, 1988–98 Oldsmobile Cutlass Supreme, 1988–99 Chevrolet Lumina sedan, 1995–99 Chevrolet Monte Carlo, and 1988–96 Buick Regal.

No. 7544 – Strut rod nut socket. Wt., 8 oz.



7491C

GM Upper Control Arm Knock-Out Tool

Here's the tool you need to remove the inserts on the upper control arm alignment brackets of light-duty GM trucks. It features an indexed forcing bolt that pulls straight and evenly, and works with off-center knock-outs. The tool fits 1989–2001 Chevrolet and GMC 1/2-, 3/4-, and 1-ton trucks, two- or four-wheel drive. Also works on 1990–2001 all-wheel drive Chevrolet Astro vans and GMC Safari vans. 1997–2002 1/2-, 3/4-, and 1-ton full size vans.

No. 7491C – GM upper control arm knock-out tool. Wt., 8 oz.



7826

Ford Truck Torsion Bar Tool

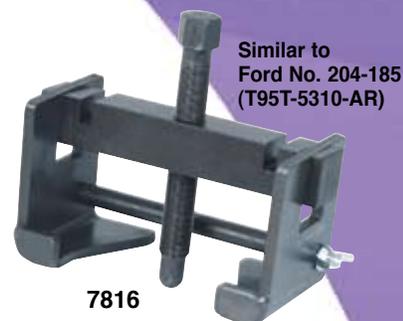
This tool firmly holds the torsion bar on Ford light-duty trucks while you adjust or service the front suspension. Without it, a torsion bar could unwind and possibly cause damage. The tool fits 1997–2003 Ford F-150 4WD pickups, 1995–2001 Ford Explorer 4WD, 1998–2001 Mercury Mountaineer, and 1998–2001 Ford Ranger.

No. 7826 – Ford truck torsion bar tool. Wt., 2 lbs., 10 oz.

Ford Torsion Bar Adjustment Tool

Before servicing a torsion bar on 1995–2001 Ford Explorer and 1998–2001 Mercury Mountaineer vehicles, you must first contain the bar to avoid possible damage. This tool securely accomplishes that task, allowing you to make adjustments.

No. 7816 – Ford torsion bar adjustment tool.
Wt., 3 lbs., 10 oz.



Similar to
Ford No. 204-185
(T95T-5310-AR)

GM Torsion Bar Unloading Tool

This rugged tool is built for GM's K-3500 series trucks with heavy-duty chassis and a larger torsion bar. It features a larger C-frame opening to accommodate beefier torsion bars. The tool holds the torsion bar while you make adjustments. It also works on 1988 to 2003 GMC and Chevrolet 1/2-, 3/4-, and 1-ton pickups; the S-10 Blazer and S-15 Jimmy, 4WD pickups with 4.3L V-6 engines; and 1991 to 2001 Oldsmobile Bravada.

No. 7822A – GM torsion bar unloading tool.
Wt., 4 lbs., 3 oz.



Similar to
Kent Moore J-42393

Ford/Mercury Rear Toe Adjustment Wrench

With this wrench and a 1/2" drive ratchet or breaker bar, you can easily adjust the rear toe cams on 1986–95 Taurus and Sable station wagons – from outside the suspension area, even while the vehicle sits on alignment plates.

No. 7706 – Ford/Mercury rear toe adjustment wrench.
Wt., 8 oz.



Ford Rear Toe Adjustment Wrench

This wrench is designed for the larger 2-1/2" star-shaped adjusting cam on late model Ford cars. It works on 1995 to 2003 Lincoln Continentals, and 1996 to 2003 Taurus/Sable station wagons.

No. 7899 – Ford rear toe adjustment wrench.
Wt., 1 lb., 8 oz.



Ford Rear Toe Adjustment Wrench Set

This set contains two wrenches for adjusting the rear toe on Ford and Mercury vehicles. One wrench fits the 1984–94 Tempo and Topaz; the other fits 1986–95 Taurus and Sable sedans, and 1986–95 FWD Continental. Each wrench accommodates a 1/2" ratchet or breaker bar.

- No. 49885 – for Taurus/Sable with 2-1/2" opening.
- No. 49884 – for Tempo/Topaz with 2" opening.

No. 7814 – Ford rear toe adjustment wrench set.
Wt., 1 lb., 6 oz.



AUTOMOTIVE SPECIAL TOOLS

Suspension & Steering Service



7891

Chrysler LH Toe Adjustment Set

Here's a tool set that will quicken front toe adjustments on Chrysler LH series cars. Consisting of a wrench, socket, and retainer, this set is for the 1993–97 Chrysler Concorde and New Yorker, Dodge Intrepid, and Eagle Vision.

No. 7891 – Chrysler LH toe adjustment set. Wt., 1 lb., 14 oz.



6272

Chrysler LH Toe Adjusting Tool Set

This set enables the technician to adjust toe, to obtain a straight steering wheel, and correctly center the tie rod end. Permits easily reaching and breaking loose the tie rod jam nuts, while the entire assembly is held stable. Services 1998–newer Chrysler Concorde, Concorde 300M, New Yorker LHS, Dodge Intrepid, Dodge R/T, and Eagle Vision.

No. 6272 – Chrysler LH toe adjusting tool set. Wt., 1 lb., 13 oz.



6295

Front End Service Set

Kit includes five popular tools used for servicing Pitman arms, ball joints, and tie rods on most vehicles.

No. 6295 – Front end service set. Wt., 12 lbs., 8 oz.
Set includes:

No. 7314A – Pitman arm puller.

No. 7315A – Tie rod end remover.

No. 7503 – Outer tie rod remover/ball joint separator.

No. 6296 – Pitman arm/tie rod end puller.

No. 6297 – Ball joint separator.



7314A

Pitman Arm Puller

This puller will handle nearly any Pitman arm job on passenger cars and light trucks. It features special forged jaws shaped to fit the job, ensuring a positive grip every time. Spread between jaw tips: 1-5/16".

No. 7314A – Pitman arm puller. Wt., 2 lbs., 11 oz.

Similar to
Ford No. 211-001
(TOOL-3290-D)



7315A

Tie Rod End Remover

Redesigned to use on imports and many front wheel drive vehicles, including SUVs with rack and pinion steering. Live center tip on forcing screw swivels to align tool to tie rod stud to ease in removal and prevent damage to stud.

No. 7315A – Tie rod end remover. Wt., 1 lb. 7 oz.



7503

Outer Tie Rod Remover/Ball Joint Separator

This tool is a must when you're servicing outer tie rods and ball joints. It works on imported and domestic models, front or rear wheel drive, cast or stamped-steel steering knuckles.

- Handles up to 5 tons of force.
- Jaws spread to 3" and has a 4" reach.
- Jaws, once tightened, won't slip on the knuckle.

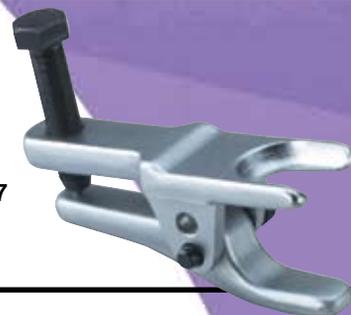
No. 7503 – Outer tie rod remover. Wt., 2 lbs., 12 oz.

Ball Joint Separator

This tool is used to separate the ball joint from the spindle support arm. It works on many domestic and import front wheel drive vehicles, and is adjustable up to 2" for different size ball joints.

No. 6297 – Ball joint separator. Wt., 2 lbs., 13 oz.

6297



Pitman Arm/Tie Rod End Puller

The versatile design allows this tool to be used as a Pitman arm remover for many small, domestic rear wheel drive vehicles, or as a tie rod end puller for many domestic and import vehicles. The jaws, with a spread of 1", give a positive grip in tight work places.

No. 6296 – Pitman arm/tie rod end remover. Wt., 1 lb., 3 oz.



6296

Super-Duty Pitman Arm Puller

- Works on 2005 and newer Ford F-250 and F-350 four-wheel-drive Super Duty trucks.
- Allows the Pitman arm to be removed from the steering gear while the steering gear is still in the vehicle.
- Two clamp bolts lock the jaws on the Pitman arm, ensuring a solid grip.
- Maximum jaw spread is 3-1/4".

No. 6497 – Super-duty Pitman arm puller. Wt., 5 lbs.



6497

Pitman Arm Puller

Cuts Removal Time from 3 1/2 Hours to 40 Minutes!

- Labor intensive removal of steering sector not necessary.
- Compact design allows easy access to the Pitman arm.
- Works on most domestic SUVs and pickups.
- Live center on forcing screw and use of a standard wrench results in less effort required.
- Tool is forged steel for durability and long life.

| Works on the following four-wheel-drive vehicles | |
|--|--|
| 1998 – 2003 | Ford Navigator |
| 1997 – 2004 | Ford F-150 and Expedition |
| 1991 – 2001 | Oldsmobile Bravada |
| 1992 – 2006 | Chevy Suburban |
| 1988 – 2005 | S-10 / S-15 GMC Trucks & Chevy Blazers |
| 1988 – 2006 | GMC & Chevy 1/2, 3/4, & 1 ton pickups |
| 1995 – 2006 | Chevy Tahoe and GMC Yukon/Denali |

No. 6496 – Pitman arm puller. Wt., 2 lbs. 8 oz.



6496



Pitman Arm Puller

The No. 8149 conical tool is designed to fit Pitman arms on compact and intermediate cars.

- Conical design gives increased strength, stability, and fits securely on a Pitman arm.
- Spread is 1-1/4" with a reach of 2-1/4".
- 3/4-16 x 4-3/4" forcing screw provides enough power to remove stubborn Pitman arms.

No. 8149 – Pitman arm puller. Wt., 1 lb., 5 oz.

8149



AUTOMOTIVE SPECIAL TOOLS

Suspension & Steering Service



8150

Pitman Arm Puller

The No. 8150 conical tool is designed to fit Pitman arms on domestic cars and light-duty trucks.

- Conical design gives increased strength, stability, and fits securely on a Pitman arm.
- Spread is 1-1/2" with a reach of 2-1/2".
- 3/4-16 x 4-3/4" forcing screw provides enough power to remove stubborn Pitman arms.

No. 8150 – Pitman arm puller. Wt., 1 lb., 13 oz.



7311A Similar to
Ford No. 211-003
(T64P-3590-F)

Pitman Arm Pullers

These pullers are designed for the toughest Pitman arm jobs. They're adjustable and have rugged forged jaws shaped to fit the job. Two clamp bolts lock the jaws on the Pitman arm, ensuring a solid grip. Puller No. 7310A includes an adapter for added versatility. Both pullers cover a variety of pulling jobs.

No. 7310A – Pitman arm puller for medium- and heavy-duty trucks. Max jaw spread: 2-1/4". Wt., 4 lbs., 8 oz.

No. 7311A – Pitman arm puller for cars and light trucks to 3/4 ton. Max jaw spread: 2-1/8". Wt., 3 lbs.



7068

Upper Control Arm Bushing Service Set

Now you can easily replace press-in type upper control arm bushings on most rear wheel drive Chrysler, Ford, and GM vehicles. Mechanical screw power does the work. Set includes C-frame, screw assembly, and all adapters needed for quick removal or installation of bushings without removing or damaging the control arm.

No. 7068 – Upper control arm bushing service set. Wt., 8 lbs., 3 oz.



8348

GM Truck Bushing Adapter Set

- Works on 2000–2003 Chevy and GMC 1/2-ton and 3/4-ton trucks, 2- and 4-wheel drive.
- Adapter set is designed for quick and easy removal of the OE control arm bushing and installation of the offset camber bushing.
- Saves shop time by being able to install the offset camber bushing while aligning the front end.
- Saves replacement cost of the control arm assembly.
- Use with OTC No. 7248 C-Frame.

No. 8348 – GM truck bushing adapter set. Wt., 2 lbs., 10 oz.



6531

Pitman Arm Separator

Separating Pitman arms on cars and light trucks is quick and easy with this wedge and an appropriate sized hammer.

- 11" long and has a 1-1/8" fork spread.

No. 6531 – Pitman arm separator. Wt., 2 lbs., 2 oz.

GM Pitman Arm Remover

Removes Pitman arms on pickups and sport utility vehicles. The wedge end is placed between the Pitman arm and steering gear box, and with just a few hammer blows, it separates them. Works on 1988 and newer Chevrolet and GMC 1/2- and 3/4-ton 4WD pickups, Suburban, Tahoe, and Yukon.

- 11-3/4" long with a 1-5/8" fork spread.

No. 6532 – GM Pitman arm remover. Wt., 2 lbs., 2 oz.



Separator Tool

This handy tool is multipurpose. It will remove camber adjustment sleeves on 1980-86 F-150 & F-250 and 1982-88 Bronco II & Ranger Ford pickups that have an adjustable camber. It's also a separating tool for tie rods on medium- and heavy-duty trucks. And it works as a Pitman arm wedge on light trucks.

- 11-5/8" long with a 1-7/16" fork spread.

No. 6533 – Separator tool. Wt., 2 lbs.



Shock Link and Tie Rod Separator

Here's a tool that will convince even the most stubborn shock links and tie rods to part company. Just insert the tapered wedge between the seized parts, and smack the other end with a hammer.

- 16" long with 11/16" fork spread.

No. 6534 – Shock link/tie rod separator. Wt., 2 lbs., 7 oz.



Ball Joint Separator

Ball joint service is easier with this tool. It was designed to remove ball joints from spindle support arms, and can be used on a wide variety of vehicles, from compact cars to light-duty trucks.

- 16" long and has a 15/16" fork spread.

No. 6535 – Ball joint separator. Wt., 2 lbs., 11 oz.



Separator Set (5 piece)

- Features five popular "pickle forks" in a blow-molded case.
- Used to remove shock linkage, tie rods, and ball joints. Also for general service on many cars and light trucks.

Includes:

- No. 6531 – Size 11" x 1-1/8" Fork Spread.
- No. 6532 – Size 11-3/4" x 1-5/8" Fork Spread.
- No. 6533 – Size 11-5/8" x 1-7/16" Fork Spread.
- No. 6534 – Size 16" x 11/16" Fork Spread.
- No. 6535 – Size 16" x 15/16" Fork Spread.

6299 – Separator set. Wt., 10 lbs.



AUTOMOTIVE SPECIAL TOOLS

Suspension & Steering Service



Manual / Pneumatic Pickle Fork Set

- Use to separate ball joints, tie rods, and Pitman arms.
 - Set contains two handles: knurled handle allows use of a hammer; smooth handle fits in a pneumatic hammer.
 - Three sizes of pickle forks included: 1-1/8", 15/16", and 11/16".
1. Select the correct size fork head that fits the work piece.
 2. Completely thread the fork head onto the appropriate handle: knurled handle allows use of a hammer; smooth handle fits in a pneumatic hammer.
 3. Tighten the handle's jam nut to the fork to secure the fork to the handle assembly.

Set contains:

No. 4559-1 fork heads (set of three: 11/16", 15/16", and 1-1/8").

No. 4559-2 handles (set of two: knurled handle for use with a hammer; smooth handle for use with an air hammer).

No. 4559 – Manual / pneumatic pickle fork set.

Wt., 4 lbs., 2 oz.



Chrysler/Jeep Truck and SUV Ball Joint Set

- All new kit with more applications.
- Works on newer vehicle applications:
 - High clearance C-frame for most Chrysler/Jeep trucks and SUVs.
 - 2WD & 4WD.
 - 1992 to 2006 and other larger 4x4s.
- Includes adapters to service 2002–2006 Jeep Liberty lower ball joints.
- Kit comes in a blow-molded case and includes an application chart and instructions.

No. 8031 – Chrysler/Jeep truck ball joint set. Wt., 26 lbs.



C-Frame Update Kit

Kit contains two adapters which, when coupled with the large C-frame included in OTC No. 8031 SUV Ball Joint Kit, make it possible to use any adapter designed for use with the smaller OTC No. 7248 C-frame.

No. 6730 – C-frame update kit. Wt., 1 lb., 11 oz.



Ball Joint Super Set

This set allows for the removal and installation of press-fit ball joints on many GM and Ford light-duty trucks, vans, and SUVs through 2003; Dodge light trucks through 1998; Dodge vans, Durango, and Dakota through 2003; and Honda Accord, Civic, del Sol, and Prelude through 2001.

- Combines the popular OTC Nos. 7249, 7918, and 7996 ball joint sets into one SUPER set, competitively priced.
- The OTC designed and produced C-frame tool can be used alone to remove and replace universal joints.
- Comes complete with an application cross-reference and instructions in a blow-molded case.

No. 6530 – Ball joint super set. Wt., 30 lbs.

Ball Joint Service Tool Set

The tools in this set will press in, or out, most sizes of press-fit ball joints. Plus, the C-frame press can be used alone to remove and replace universal joints.

Set Includes:

- No. 7248 – C-frame press.
- No. 29503 – Receiver tube (3" O.D. x 2-3/4" I.D.).
- No. 29504 – Receiver tube (2-1/2" O.D. x 2-1/4" I.D.).
- No. 29505 – Receiver tube (2" O.D. x 1-3/4" I.D.).
- No. 305227 – Installing adapter.
- No. 305228 – Removing adapter.
- No. 62810 – Plastic carrying case only.

No. 7249 – Ball joint removing/installing set.

Wt., 15 lbs., 3 oz.



Ford Ball Joint Adapter Set

- Allows easy removal and installation of the lower ball joint on 1996–2006 Ford Taurus and Mercury Sable vehicles.
- Lower ball joint can now be replaced without having to replace the entire spindle assembly.
- Adapters are used with OTC No. 7248 C-Frame.

No. 8032 – Ford ball joint adapter set. Wt., 1 lb., 15 oz.



Ford Ball Joint Remover

This tool enables you to quickly remove the lower ball joint on 1992 to current 3/4- and 1-ton vans (E-250 and E-350) when used with ball joint service set Nos. 6530, 7248, and 7249.

No. 7825 – Ford ball joint remover. Wt., 1 lb., 5 oz.



4WD Ball Joint Service Kit

This kit is used with ball joint service set Nos. 6530, 7248, and 7249 to remove and install upper and lower ball joints on 1967 to 1992 1/2- and 3/4-ton 4WD vehicles fitted with Dana 44 front axles (found on Ford, Dodge, GM, International, and Jeep vehicles).

No. 7704 – 4WD ball joint service kit for Dana 44 front axles. Wt., 2 lbs., 5 oz.



Jeep/Dodge Ram Ball Joint Service Adapter Kit

Use with ball joint service set Nos. 6530, 7248, and 7249 to remove or install aftermarket and original equipment upper and lower ball joints, and the offset ball joints used to change caster/camber. Works on 1984–1989 “downsized” Jeep Wagoneer, Cherokee and Comanche; 1987–1998 Wrangler; 1993–2004 Grand Cherokee; 1994–2001 Dodge Ram 4WD 1/2-ton pickup.

No. 7894 – Jeep/Dodge Ram ball joint adapter kit. Wt., 3 lbs.



AUTOMOTIVE SPECIAL TOOLS

Suspension & Steering Service



2WD Ford Van Ball Joint Adapter Set

This set is designed to remove and install press-fit upper and lower ball joints. Fits most Ford 1992 to '97 2WD 3/4- and 1-ton vans.

No. 7919 – 2WD Ford van ball joint adapter set.
Wt., 3 lbs., 14 oz.



Ford Ball Joint Adapter Update Kit

Three-piece kit contains specialty ball joint adapters for use with the industry standard OTC No. 7248 C-frame.

Designed to work with the following Ford vehicles:

| Make | Years | Make | Years |
|------------|-----------|-----------|-----------|
| F-150 | 1997-2003 | F-250 | 1997-2004 |
| F-350 | 1992-2004 | F-450 | 1999-2002 |
| F550 | 1999-2002 | Excursion | 2000-2004 |
| Expedition | 1997-2002 | Explorer | 1995-2004 |
| Ranger | 1998-2004 | – | – |

No. 6731 – Ford ball joint adapter update kit.
Wt., 2 lbs., 2 oz.



4WD GM Ball Joint Adapter Set

Use with ball joint service set Nos. 6530, 7248, and 7249 to service GM's 1996 to 2001 4WD 1/2- and 3/4-ton pickups, and Suburban, Yukon, and Tahoe SUVs. Easily remove or install either aftermarket or original equipment press-fit lower ball joints.

No. 7920 – 4WD GM ball joint adapter set. Wt., 2 lbs., 3 oz.



GM Ball Joint Adapter Update Kit

Four-piece kit designed to be used with the industry standard OTC No. 7248 C-frame. Contains specialty ball joint adapters to fit the following GM vehicles:

| | |
|---------------------|-----------|
| TrailBlazer & Envoy | 2002-2005 |
| 1500 Silverado | 1999-2004 |
| Suburban & Tahoe | 1995-2004 |
| Avalanche | 2002-2004 |
| Escalade | 1999-2004 |
| Express & Savana | 2003-2004 |
| Hummer H2 | 2003-2004 |

No. 6732 – GM ball joint adapter update kit. Wt., 3 lbs., 4 oz.



Honda Lower Ball Joint Tool Set

Use with ball joint service set Nos. 6530, 7248, and 7249 to remove and install both sizes of ball joints on Honda 1986–97 Accord, 1988–00 Civic, 1993–99 del Sol, 1988–91 CRX, and 1983–98 Prelude.

No. 7996 – Honda lower ball joint service set.
Wt., 2 lbs., 6 oz.

Asian Vehicle Ball Joint Adapter Update Kit

Two-piece kit contains specialty ball joint adapters for use with the industry standard OTC No. 7248 C-frame. Designed to work with the following Honda and Toyota vehicles:

| | |
|----------------|-----------|
| Honda CR-V | 1997-2005 |
| Honda Odyssey | 1995-2004 |
| Toyota 4Runner | 1996-2005 |
| Toyota Sequoia | 2001-2003 |
| Toyota Tacoma | 1995-2005 |

No. 6733 – Asian vehicle ball joint adapter update kit. Wt., 2 lbs., 2 oz.



6733

Live Center Forcing Screw Plug

This plug replaces the existing forcing screw on the No. 7248 C-frame to allow its use on heavy-duty ball joints. The shorter length gives the C-frame a wider opening to accommodate the larger ball joints on 3/4- and 1-ton trucks.

No. 7917 – Live center forcing screw plug. Wt., 6 oz.



7917

Master Ball Joint Adapter Set

This set is designed to expand the capability of ball joint service set Nos. 6530, 7248, and 7249. It includes all the receiver tubes and removing/installing adapters needed to work on press-fit ball joints on most GM, Ford, and Dodge pickups, vans, and SUVs, through 1997. It also includes the No. 7917 live center forcing screw plug. Packaged in a plastic carrying case.

No. 7918 – Master ball joint adapter set. Includes application chart. Wt., 14 lbs., 5 oz.

No. 514479 – Plastic carrying case. Wt., 4 lbs., 10 oz.

See charts on next page.



7918

Chrysler Ball Joint Socket

- Removes and installs the screw-in type ball joints used on mid-size, rear-wheel drive Chrysler cars.
- Similar to Miller Tools No. C-3560.
- Socket is 2" long with a 3/4" drive; fits 1-59/64" ball joints.

No. 8033 – Chrysler ball joint socket. Wt., 5 oz.

Similar to
Miller Tools
No. C-3560

8033



Chrysler Ball Joint Socket

- Removes and installs the screw-in type ball joints used on Chrysler / Dodge light trucks and vans.
- Similar to Miller Tools No. C-3561.
- Socket is 2" long with a 3/4" drive; fits 2-9/64" ball joints.

No. 8034 – Chrysler ball joint socket. Wt., 5 oz.

Similar to
Miller Tools
No. C-3561

8034



Ball Joint Spanner Wrench

Designed for removal and installation of ball joint adjusting sleeves on 1/2-, 3/4-, and 1-ton Dana 44 open yoke front axles found on Chrysler, Ford, GM, International, and Jeep 4WD vehicles.

- Permits easy torquing with 1" socket for correct upper ball-joint preload.

No. 7080 – Ball joint spanner wrench. Wt., 8 oz.

7080

Similar to
Ford No. T71T-3010-G



AUTOMOTIVE SPECIAL TOOLS

Ball Joint Application Chart

| Upper or Lower Ball Joint | Application R = Remove I = Install | 29501 | 29503 | 29504 | 29505 | 38354 | 38355A | 39976 | 204508A | 222304 | 222305 | 222306 | 222307 | 305227 | 305228 | 313444 | 313967 | 313968 | 313969 | 313970 | 314392 | 531738 | 531739 | 537499 | 537500 | 537501 |
|------------------------------------|--|-------|-------|-------|-------|-------|--------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| DODGE / CHRYSLER / PLYMOUTH | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lower | 1998-03 4WD Dakota & Durango | | | R | | | | | | I | | | | | R | I | | | | I | | | | | | |
| Lower | 1987-01 2WD Dakota & Durango 1972-93 1/2-, 3/4-ton 2WD Pickup 1974-93 1/2-ton 2WD Ramcharger 1979-03 1/2-, 3/4-, 1-ton 2WD van | | | | | | | | I | | | | | | | | RI | R | | | | | | | | |
| Lower | 1972-93 3/4-, 1-ton 2WD Pickup 1979-03 1-ton 2WD van | | R | I | | | | | | I | | | | I | RI | | | R | | | | | | | | |
| Lower | 1984-01 Caravan, Voyager, Town & Country | | | | RI | | | | | | | | | I | RI | | | R | | | | | | | | |
| Upper | 1994-99 1/2-, 3/4-, 1-ton 2WD Pickup (IFS) | | R | I | | | | | I | | | | | RI | R | | | | | | | | | | | |
| Lower | 1994-99 1/2-, 3/4-, 1-ton 2WD Pickup (IFS) | | R | I | | | | | I | | | | | RI | I | | | | | | | | | | | |
| Upper | 1994-99 1-ton solid axle, 2WD 1994-01 3/4-, 1-ton Dana 60 axle, 4WD (not HD axle) | | | R | | | I | | I | | | | | | R | | | | | | | | | | | |
| Lower | 1994-99 1-ton solid axle, 2WD 1994-99 3/4-, 1-ton Dana 60 axle, 4WD | RI | | R | | I | | | I | | | | | R | I | | | | | | RI | | | | | |
| Lower | 1994-01 1/2-ton Dana 44 axle, 4WD 1994-98 3/4-ton Dana 44 axle, 4WD 1972-93 1/2-, 3/4-, 1-ton 4WD & Ramcharger | | | | | | | | | | | | | | | | R | R | I | I | | | | | | |
| Upper | 1994-01 1/2-ton Dana 44 axle, 4WD 1994-98 3/4-ton Dana 44 axle, 4WD | | | | | | | | | | | | | | | | R | R | I | I | | | | | | |
| Upper | 1972-93 1/2-, 3/4-, 1-ton 4WD & Ramcharger | | | | | R | I | | I | | | | | | | | | | | | | | | | | |
| JEEP | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Upper | 1993-98 2WD Grand Cherokee 1993-98 4WD Grand Cherokee, Grand Wagoneer 1987-98 4WD Wrangler 1984-99 4WD Wagoneer, Comanche, Cherokee | | | | | | | | | | | | | | | | | R | R | I | I | | | | | |
| Lower | 1993-98 2WD Grand Cherokee 1990-98 2WD Cherokee, Wagoneer, Comanche 1993-98 4WD Grand Cherokee, Grand Wagoneer 1990-98 4WD Wrangler 1990-95 2WD & 4WD Wagoneer, Comanche, Cherokee | | | | | | | | | | | | | | | | | R | R | I | I | | | | | |
| Upper | 1984-99 2WD Cherokee, Wagoneer, Comanche | | | | | | | | | | | | | | | | | R | R | I | I | | | | | |
| Lower | 1984-89 2WD Cherokee, Wagoneer, Comanche 1987-89 4WD Wrangler 1984-89 4WD Wagoneer, Comanche, Cherokee | | | | | | | | | | | | | | | | | R | R | I | I | | | | | |
| Upper | 1984-92 full size 4WD Grand Wagoneer 1972-88 4WD Truck, CJ, full size Cherokee, Wagoneer | | | | | R | I | | I | | | | | | | | | | | | | | | | | |
| Lower | 1984-92 full size 4WD Grand Wagoneer 1972-88 4WD Truck, CJ, full size Cherokee, Wagoneer | | | | | R | I | | I | | | | | | | | | | | | | | | | | |

AUTOMOTIVE SPECIAL TOOLS

Ball Joint Application Chart

| Upper or Lower Ball Joint | Application R = Remove I = Install | 29501 | 29503 | 29504 | 29505 | 38354 | 38355A | 39976 | 204508A | 222304 | 222305 | 222306 | 222307 | 305227 | 305228 | 313444 | 313967 | 313968 | 313969 | 313970 | 314392 | 531738 | 531739 | 537499 | 537500 | 537501 | |
|---------------------------|---|-------|-------|-------|-------|-------|--------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---|
| GM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lower | 1982-05 2WD S-10 Blazer, Jimmy & Pickup | | | R | | I | R | | I | | | | | | R | | | | | | | | | | | | |
| Lower | 1993-99 2WD 1/2-, 3/4-, 1-ton Pickup; Suburban 1996-04 1/2-, 3/4-, & 1-ton 2WD G Van | | R | RI | | | | | | | | | | | RI | RI | | | | | | | | | | | |
| Lower | 1988-92 2WD 1/2-, 3/4-, 1-ton, Pickup; Suburban | | R | RI | | | | | | | | | | | RI | RI | | | | | | | | | | | |
| Lower | 1985-05 Astro, Safari van | | R | I | | | | | I | | | | | | RI | R | | | | | | | | | | | |
| Lower | 1973-95 1/2-, 3/4-ton 2WD G van | | | R | I | | | | I | | | | | | RI | R | | | | | | | | | | | |
| Lower | 1996-00 1/2-, 3/4-, 1-ton 4x4 | | | | | | | | I | | | R | I | RI | | | | | | | | | | | | | |
| Lower | 2002-05 TrailBlazer, Envoy, & Bravada 2WD/4WD | | | | | I | | | I | | | R | | R | | | | | | | | | | | | | |
| Upper | 2002-05 TrailBlazer, Envoy, & Bravada 2WD/4WD | | | | | | R | | | | | | | | | | | I | I | | | R | | | | | |
| Lower | 1999-00 1/2-ton Silverado & Sierra 4WD std. cab 2001-04 1/2-ton Silverado, Sierra, Denali 2WD/4WD std. & extd cab 2000-04 1/2-ton Suburban, Tahoe, Yukon, Denali 2WD/4WD 2002-04 1/2-ton Avalanche 2WD/4WD 2002-04 Cadillac Escalade 2WD/4WD 2003-04 1/2- & 3/4-ton Express, & Savana Van 4WD | | | I | | | | I | I | | | | | | RI | | | | | | | | | | R | | |
| Upper | 1999-00 1/2-ton Silverado & Sierra 2WD/4WD std. cab 2001-04 1/2-ton Silverado, Sierra, Denali 2WD/4WD std. & extd cab 2000-04 1/2-ton Suburban, Tahoe, Yukon, Denali 2WD/4WD 2002-04 1/2-ton Avalanche 2WD/4WD 2002-04 Cadillac Escalade 2WD/4WD 2003-04 1/2- & 3/4-ton Express & Savana Van 4WD | RI | | R | | | | I | | | | | | | R | | | | I | | | | | | | R | |
| Lower | 2001-03 1/2-ton Silverado, Sierra, 2WD/4WD HD Crew Cab 1999-04 3/4-ton Silverado, Sierra, 2WD/4WD 2000-04 3/4-ton Suburban, Yukon 2WD/4WD 2001-04 1-ton Silverado, Sierra 4WD 2002-04 3/4-TON AVALANCHE 2WD/4WD 2003-04 Hummer H2 | | | I | | | | I | | | | R | I | RI | | | | | | | | | | | | | |
| Upper | 2001-03 1/2-ton Silverado, Sierra, 2WD/4WD HD Crew Cab 1999-04 3/4-ton Silverado, Sierra, 2WD/4WD 2000-04 3/4-ton Suburban, Yukon 2WD/4WD 2001-04 1-ton Silverado, Sierra 4WD 2002-04 3/4-Ton Avalanche 2WD/4WD 2003-04 Hummer H2 | RI | | RI | | | | I | | | | | | | I | R | | | | I | | | | | | | R |
| Lower | 1995-99 Tahoe, Yukon 4WD 2000 Tahoe Z71 4WD (old style) 1995-99 1/2- & 3/4-ton Suburban 4WD | | | | | | | | I | | | R | I | RI | | | | | | | | | | | | | |

AUTOMOTIVE SPECIAL TOOLS

Ball Joint Application Chart

| Upper or Lower Ball Joint | Application R = Remove I = Install | 29501 | 29503 | 29504 | 29505 | 38354 | 38355A | 39976 | 204508A | 222304 | 222305 | 222306 | 222307 | 305227 | 305228 | 313444 | 313967 | 313968 | 313969 | 313970 | 314392 | 531738 | 531739 | 537499 | 537500 | 537501 | | |
|---------------------------|--|-------|-------|-------|-------|-------|--------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|--|
| FORD | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lower | 1986-97 Aerostar | | | RI | | | | | I | | | | | RI | R | | | | | | | | | | | | | |
| Upper | 1989-90 2WD Bronco II 1991-94 2WD Explorer 1989-97 2WD Ranger | | | R | | | I | | I | | | | | R | | | | | | | | | | | | | | |
| Upper | 1986-88 2WD Bronco 1983-88 2WD Ranger | | | R | I | | | | I | | | | | RI | | | | | | | | | | | | | | |
| Lower | 1989-90 2WD Bronco II 1991-94 2WD Explorer 1989-97 2WD Ranger | | | R | I | | | | I | | | | | RI | | | | | | | | | | | | | | |
| Lower | 1986-88 2WD Bronco II 1983-88 2WD Ranger | | | | | | I | | I | | | | | | | | R | R | | | | | | | | | | |
| Lower | 1997-03 1/2-ton Pickup, 2WD & 4WD 1997-99 3/4-ton Pickup, 2WD & 4WD | RI | R | I | | | | | | I | | | | RI | I | | | | | | | | | | | | | |
| Upper | 1987-96 1/2-ton 2WD Pickup 1987-97 3/4-, 1-ton 2WD Pickup | | | | | | I | | I | | | | | | | | R | R | | | | | | | | | | |
| Lower | 1987-98 1/2-ton 2WD Pickup | | | RI | | | | | | | | | | RI | | | | | | | | | | | | | | |
| Upper | 1981-86 1/2-ton 2WD Pickup 1990 4WD Bronco II w/Dana 28 1984-89 4WD Bronco II 1991-94 4WD Explorer w/Dana 28 1990-97 4WD Ranger w/Dana 28 1983-89 4WD Ranger | | R | I | | | | | I | | | | | RI | | | | | | | | | | | | | | |
| Lower | 1981-86 1/2-ton 2WD Pickup 1980-96 4WD Bronco 1981 1-ton (3800 axle) 4WD 1980-96 1/2- & 3/4-ton 4WD | | | | | R | I | | I | | | | | | | | | | | | | | | | | | | |
| Lower | 1987-98 3/4-ton & 1-ton 2WD Pickup | RI | | R | | I | | | I | | | | | R | I | | | | | | | RI | | | | R | | |
| Upper | 1992-03 1/2-, 3/4-, 1-ton 2WD Van 1992-03 E 150, 250, 350 Econoline Van & Club Wagon 1999-03 E 350 Superduty Van 2WD 2002-03 E 450 Superduty Van 2WD 1999-04 F 250, 350 Superduty Twin I Beam 2WD 2000-04 Excursion Twin I Beam 2WD | | | | I | | | | | I | | R | | | RI | | | | R | | | | | | | | | |
| Lower | 1992-03 3/4- & 1-ton 2WD Van | | | | | | | I | I | | | | | | I | R | | | | | | | | | | | | |
| Lower | 1992-03 1/2-ton 2WD Van | | | R | I | | | | I | | | | | RI | | | | | | | | | | | | | | |
| Upper | 1990 4WD Bronco II w/Dana 35 1991-94 4WD Explorer w/Dana 35 1990-97 4WD Ranger w/Dana 35 | | R | I | | | | | | I | | | | RI | | | | | | | | | | | | | | |
| Lower | 1990 4WD Bronco II w/Dana 28 1984-89 4WD Bronco II 1991-97 4WD Explorer w/Dana 28 1990-97 4WD Ranger w/Dana 28 1983-89 4WD Ranger | | R | | | | | | | | | | | | I | | | | | | | | | | | | | |
| Lower | 1990 4WD Bronco II w/Dana 35 1991-94 4WD Explorer w/Dana 35 1990-97 4WD Ranger w/Dana 35 | | R | | | | | | | | | | | | I | | | | | | | | | | | | | |
| Upper | 1980-96 4WD Bronco 1992-02 1-ton 4WD 1980-96 1/2-, 3/4- & 1-ton 4WD (IFS) | | | | | | I | | I | | | | | | | | | | | | | | | | | | | |

AUTOMOTIVE SPECIAL TOOLS

Ball Joint Application Chart

| Upper or Lower Ball Joint | Application R = Remove I = Install | 29501 | 29503 | 29504 | 29505 | 38354 | 38355A | 39976 | 204508A | 222304 | 222305 | 222306 | 222307 | 305227 | 305228 | 313444 | 313967 | 313968 | 313969 | 313970 | 314392 | 531738 | 531739 | 537499 | 537500 | 537501 | |
|---------------------------|--|-------------|-------|-------|-------|-------|--------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| | | FORD | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lower | 1992-99 1-ton 4WD w/solid axle | | | | | | | | | | | | | | I | | | | | | RI | | | | | | |
| Lower | 1980-95 3/4- & 1-ton 4WD spindle | | | | | | | | | | | | | | I | | | | | | RI | | | | | | |
| Lower | 1992-97 F350 4WD (monobeam) 1999-04 F250, 350, 450 & 550 Superduty 4WD (monobeam) 2000-02 Excursion 4WD (monobeam) 1999-02 F250, 350, 450 & 550 Superduty 2WD (monobeam) 1999-04 F250, 350 Superduty 2WD (twin I beam) 2000-04 Excursion 2WD (twin I beam) | | | | | | | | I | | R | | | | I | | | | | | | | | | | | |
| Upper | 1992-97 F350 4WD (monobeam) 1999-04 F250, 350, 450 & 550 Superduty 4WD (monobeam) 2000-02 Excursion 4WD (monobeam) 1999-02 F250, 350, 450 & 550 Superduty 2WD (monobeam) 1997 F250 HD 4WD (twin I beam) 1980-96 F150, 250 4WD 1980-85 F350 4WD before 2-1-85 (twin I beam) | | | | I | | I | | I | | | | | | I | | | | | | | | | | | | |
| Lower | 1997-03 F150 2WD/4WD 1997-99 F250 2WD/4WD 1997-02 Expedition 2WD/4WD 1998-04 Ranger 2WD/4WD (w/torsion bar susp.) 1995-04 Explorer, Explorer Sport & Sport Trac 2WD/4WD | | R | | | | | | I | | | | | | I | | | | | | | | | I | | | |
| Lower | 1980-97 F250 4WD (3850 axle and larger) 1980-85 F350 4WD (except 3800 axle) | | | | | | | | I | | | | | | I | | | | | | | | | | | | |

| Component Dimensions | | | | | Set Contents | | | | | |
|----------------------|--------------------|---------|----------|----------|--------------|------|------|------|------|------|
| Tool No. | Description | O.D. | I.D. | Length | 7249 | 7918 | 7919 | 7920 | 7704 | 7894 |
| 29501 | Plug | 7/8" | — | 3-5/8" | | | | | | |
| 29503 | Receiving Tube | 3" | 2-3/4" | 2-3/16" | X | | | | | |
| 29504 | Receiving Tube | 2-1/2" | 2-1/4" | 1-11/16" | X | | | | | |
| 29505 | Receiving Tube | 2" | 1-3/4" | 1-11/16" | X | | | | | |
| 38354 | Receiving Tube | 2-1/4" | 2" | 2" | | X | | | X | |
| 38355A | Installing Tube | 2" | 1-13/16" | 3" | | X | | | X | |
| 39976 | Receiving Tube | 2-1/2" | 2-1/4" | 1-1/2" | | X | X | | | |
| 204508A | Receiving Cup | 2-1/4" | 2" | 7/16" | | X | X | X | X | |
| 222304 | Receiving Tube | 2-1/2" | 2-1/4" | 3/4" | | X | X | | | |
| 222305 | Receiving Tube | 2-1/2" | 2-1/4" | 2-3/4" | | X | X | | | |
| 222306 | Receiving Tube | 3" | 2-3/4" | 2-1/4" | | X | | X | | |
| 222307 | Receiving Tube | 2-3/4" | 2-7/16" | 2-1/4" | | X | | X | | |
| 305227 | Installing Adapter | 3" | 15/16" | 1-1/8" | X | | | | | |
| 305228 | Removing Adapter | 3-1/16" | — | 1-1/8" | X | | | | | |
| 313444 | Receiving Tube | 2-7/8" | 2-5/8" | 2-7/8" | | X | X | | | |
| 313967 | Receiving Tube | 2-7/16" | 2-3/16" | 3-3/16" | | X | | | | X |
| 313968 | Remover/Installer | 1-7/16" | 3/4" | 1" | | X | X | | | X |
| 313969 | Installing Tube | 2" | 1-3/4" | 2-5/16" | | X | | | | X |
| 313970 | Receiving Cup | 2-1/8" | 1-3/4" | 1/2" | | X | | | | X |
| 314392 | Plug | 7/8" | — | 3" | | | | | | |
| 531738 | Installing Tube | 1-9/16" | 1-5/16" | 2-1/8" | | | | | | |
| 531739 | Receiving Tube | 2-1/2" | 2-1/4" | 1-1/2" | | | | | | |
| 537499 | Receiving Tube | 2-3/4" | 2-7/16" | 2" | | | | | | |
| 537500 | Remover | 1-9/16" | 13/16" | 2-3/16" | | | | | | |
| 537501 | Remover | 1-3/4" | 13/16" | 2-3/16" | | | | | | |

AUTOMOTIVE SPECIAL TOOLS

Suspension & Steering Service

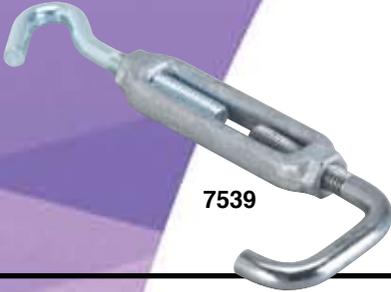


6007

Lower Control Arm Prying Tool

Installing a ball joint on a lower control arm typically requires the effort of two people. However, with this tool and our No. 7420 or 7421 pry bar – or any 7/8" diameter pry bar – it's a one-person job.

No. 6007 – Lower control arm prying tool. Wt., 8 oz.



7539

GM F-Body Camber Adjusting Tool

This unique tool works like an extra hand to hold the strut while you're making camber adjustments. For use on 1982 to '92 Camaro and Firebird.

No. 7539 – GM F-body camber adjusting tool. Wt., 8 oz.



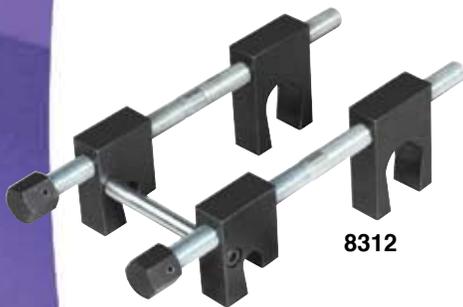
Similar to
Kent Moore J-38658

7840

GM Caster/Camber Adjusting Tool

This tool is designed to make caster/camber adjustments quick and easy. Simply place it into the holes in the cross-member and lower control arm, then turn the tool's turnbuckle nut to hold the correct adjustment. This allows you to tighten the adjusting bolts. For use on 1993 to 2000 Chevrolet Camaro and Pontiac Firebird. Also works on 1986–92 Buick Riviera, Cadillac Seville, Oldsmobile Toronado, and 1986–91 Buick Regal.

No. 7840 – GM caster/camber adjusting tool. Wt., 2 lbs., 14 oz.



8312

Ford Caster/Camber Adjusting Tool

- Works on 2002–2005 Ford Explorer and Mercury Mountaineer.
- Tool allows you to slide control arm in the positive or negative direction.
- Saves up to 30 minutes and allows more accuracy. Adjust caster/camber while maintaining live alignment reading.

No. 8312 – Ford caster/camber adjusting tool. Wt., 3 lbs., 5 oz.



7829

Ford Caster/Camber Adjusting Wrench

This wrench is specially bent to fit on the caster/camber adjusting cam on 1995 to 2001 Ford Explorer 4WD SUVs, and 1997 2WD and 4WD F-150 pickups. You can use it on the nut to loosen the adjusting cam, and on the bolt to set the caster/camber.

- Has a 21 mm, 12-point design.
- Accommodates a 1/2" drive ratchet or breaker bar.

No. 7829 – Ford caster/camber adjusting wrench. Wt., 13 oz.

Upper Arm Alignment Wrenches

These specialized 1/2" drive wrenches provide easy access to the upper control arm bolts for front wheel alignment jobs.

No. 7414 – 13/16" hex wrench for use on 1985 to '97 Ford Aerostar vans. Wt., 12 oz.

No. 7534 – 22 mm hex wrench for use on 1990–2005 2WD Chevrolet Astro and GMC Safari, and 1991–2005 AWD Chevrolet Astro and GMC Safari vans. Wt., 12 oz.

No. 7536 – 3/4" hex wrench for use on 1973 to '87 Chevrolet 2WD pickups, and Canadian-built 1985 to '90 current GM Astro and Safari vans. Wt., 12 oz.

No. 7537 – 18 mm hex wrench for use on U.S.-built 1985 to '90 GM Astro vans. Wt., 13 oz.

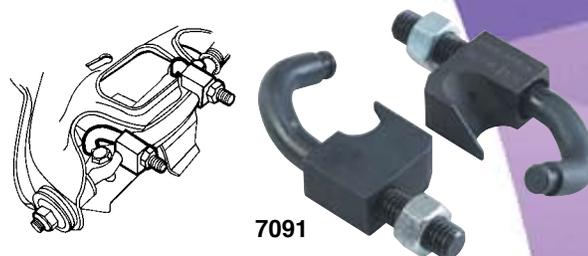


7414 is similar to Ford No. 204-DO13 (D87T-3068-A)

Ford Caster/Camber Alignment Set

The tools in this set help ensure accurate caster/camber adjustment on the front suspensions of 1979 to 1991 Ford and Mercury full size, rear wheel drive vehicles. They effectively limit movement of the front suspension once the cross shaft bolts are loosened.

No. 7091 – Ford caster/camber alignment set. Wt., 1 lb., 2 oz.



7091

Ford 4WD Caster/Camber Sleeve Puller

Rusted or seized bushings are no match for this puller. It easily pulls most aftermarket and OEM bushings on Ford 4WD vehicles. It's the only tool that works on any angle OEM bushing, removing it quickly and without damage. For 1980 to '96 Ford Broncos, full-size E- and F-series vans and pickups; 1983 to '89 Ranger and Bronco II. The puller comes with adapters to pull most aftermarket bushings having removable retaining rings.

No. 7588A – Ford 4WD caster/camber sleeve puller. Wt., 1 lb., 14 oz.

No. 221476 – Arnwood-style bushing adapter. Wt., 1 oz.



7588A

Similar to Ford No. 204-D019 (D93T-3000-A)

Alignment Assist Tool

With this tool, you won't need to remove tires to adjust the camber on most GM and some Chrysler FWD vehicles. The tool sits on top of a tire and presses against the strut to prevent the tire from moving, allowing you to do the adjustments. For Chrysler and GM vehicles with slotted strut mounts that don't use eccentric washers on the through slots for camber adjustment. (Applications do not include Buick Park Avenue, Cadillac Fleetwood, Oldsmobile 88 and 98, and Pontiac Bonneville – if they have rear air suspension.)

No. 7676 – Alignment assist tool. Wt., 3 lbs., 2 oz.



7676

Tie Rod Adjusting Tool

Here's a tool that will fit most models of compact and standard-size cars and light trucks. It has a four-position feature and 360° rotation that lets you locate the tool to grip the sleeve correctly, even when access is limited.

No. 7023 – Universal tie rod adjusting tool. Wt., 13 oz.

Similar to Ford No. T79P-3223-A



7023

AUTOMOTIVE SPECIAL TOOLS

Suspension & Steering Service



These tools are also available individually.

6275

Tie Rod/Pitman Arm Adjusting Set

These tools have a unique design that permits 360° rotation of the adjusting sleeve, even where space is limited.

- Accommodates 1/2" drive ratchet or breaker bar.
- Set consists of the following tools in a blow-molded case:
 - No. 7095 – For compact cars with 3/4" diameter adjusting sleeves. Wt., 7 oz.
 - No. 7096 – For full size cars with 7/8" diameter adjusting sleeves. Wt., 7 oz.
 - No. 7097 – For light trucks with 1-1/8" diameter adjusting sleeves. Wt., 8 oz.
 - No. 6274 – For Ford 3/4-ton and 1-ton trucks with 1-13/16" diameter adjusting sleeves. Wt., 10 oz.
 - No. 6084 – Pitman arm adjusting tool for Ford F-250 thru F-450 trucks with 1-7/16" dia. adjusting sleeves. Wt., 7 oz.

No. 6275 – Tie rod/pitman arm adjusting set. Wt., 3 lbs.

Similar to
Ford No. 211-D029
(D93L-3395-A)



7572

7678

7594

7593

Important: When removing and installing inner tie rods, hold steering rack shaft to prevent damage to pinion gear.

Inner Tie Rod Removal Set

Remove and install inner tie rods without removing steering gear. The adapters fit into the tie rod socket, and a 1/2" drive ratchet or breaker bar fits the drive end.

- Services both old and new style inner tie rods.
- For use on most Chrysler, Ford, and GM vehicles.
- No. 7572 socket is 16" long and is "stepped" to accept 1-3/16" tie rods and 1-5/16" tie rods.
- Nos. 7678, 7593, and 7594 adapters fit into socket and work on 1-3/16", 1-5/16", and 1-7/16" tie rods.

No. 7595A – Inner tie rod removal set. Wt., 5 lbs., 2 oz.

Important: When removing and installing inner tie rods, hold steering rack shaft to prevent damage to pinion gear.



7572

2-in-1 Inner Tie Rod Socket Tool

Using "piggy-backed" sockets, this tool makes short work of inner tie rod removal or installation.

- For use on Ford and Chrysler vehicles with rack and pinion steering.
- Accommodates 1/2" drive ratchet or breaker bar.
- Socket is 16" long and is "stepped" to accept 1-3/16" tie rods and 1-5/16" tie rods.

No. 7572 – 2-in-1 inner tie rod socket tool. Fits Ford and most Chrysler vehicles with rack and pinion power steering. Wt., 2 lbs., 2 oz.



7593

7594

7678

Important: When removing and installing inner tie rods, hold steering rack shaft to prevent damage to pinion gear.

Inner Tie Rod Adapter Sockets

These sockets enable you to remove and install inner tie rods without removing steering gear. Drive end fits No. 7572 inner tie rod sockets.

No. 7593 – 1-3/16" socket fits tie rod on Ford FWD vehicles with rack and pinion steering. Wt., 15 oz.

No. 7594 – 1-5/16" socket fits tie rod on Ford RWD and most Chrysler vehicles with rack and pinion steering. Wt., 1 lb.

No. 7678 – 1-7/16" socket fits GM and Chrysler FWD cars with Saginaw steering gear. Wt., 1 lb.

Tie Rod Socket for Medium-Duty Trucks

Here's a heavy-duty tool for removing tie rod ends on Chrysler, Ford, and GM 1-ton trucks. It also works on many medium-duty trucks, Class 2 through 6.

- Accommodates a 1/2" drive impact wrench.

No. 6065 – Truck tie rod socket. Wt., 1 lb., 8 oz.

6065

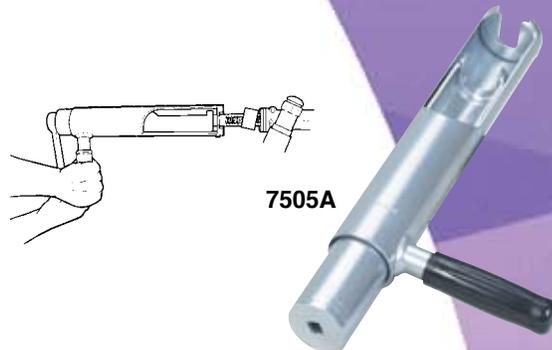


Inner Tie Rod Tool

Now you can work on inner tie rods without removing the steering gear, saving time and effort. The tool's design has a dual purpose: The outer tube supports the steering rack, preventing damage to the pinion gear. The inner socket fits on the tie rod end.

- For use on Chrysler and GM vehicles with Saginaw steering gear assemblies.
- Accommodates 1/2" drive ratchet or breaker bar.
- Used with No. 7504 tie rod crimping tool.

No. 7505A – Inner tie rod tool. Wt., 9 lbs., 7 oz.



7505A

Inner Tie Rod Crimper Tool

This handy tool will crimp a tie rod housing to the flats on the rack to keep it from coming loose, while the steering gear remains mounted. It's much easier and neater than the hammer and chisel method.

- For use on GM and Chrysler vehicles having Saginaw steering gear assemblies.
- Used with No. 7505 inner tie rod tool.

No. 7504A – Inner tie rod crimper tool. Wt., 2 lbs., 11 oz.



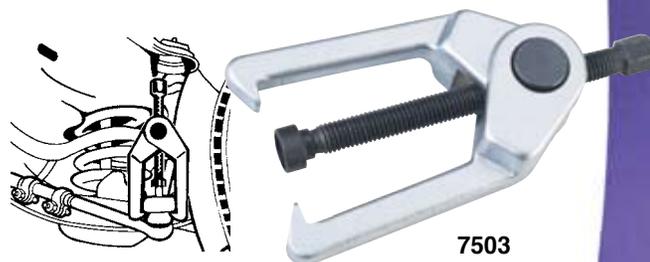
7504A

Outer Tie Rod Ball Joint Separator

This tool is a must when you're servicing outer tie rods and ball joints on imported and domestic models, front or rear wheel drive, cast or stamped-steel steering knuckles.

- Handles up to 5 tons of force.
- Jaws, once tightened, won't slip on the knuckle.

No. 7503 – Outer tie rod ball joint separator. Wt., 2 lbs., 12 oz.

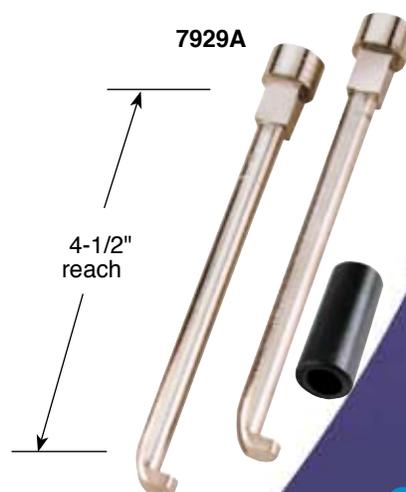


7503

Steering Wheel Puller Leg Set

- Particularly useful during steering wheel removal when there are no tapped holes in the assembly.
- The 7929A is designed for use with either the No. 7245 or No. 7403 OTC steering wheel puller.
- These legs get behind the steering wheel assembly to provide an even, straight pull. The collar is designed for use on Ford and Chrysler vehicles.
- Works on:
 - 1988–1993 Pontiac LeMans
 - 1997–newer GM cars, SUVs, and light trucks
 - 1997–newer Ford SUVs and light trucks
 - 1999–newer Jeep Grand Cherokee
 - 2003–newer Jeep Liberty
 - 2004–newer Dodge Sprinter van

No. 7929A – Steering wheel puller leg set. Wt., 8 oz.



7929A

4-1/2"
reach

AUTOMOTIVE SPECIAL TOOLS

Suspension & Steering Service



Steering Wheel Puller

This puller removes steering wheels on most domestic and imported vehicles, with or without telescoping steering columns. Five sets of cap screws are included for various thread requirements. The forcing screw features a swivel end to protect steering shaft. Cap screws included (pairs): 3/8-16 x 3-1/2; 5/16-18 x 3-1/2; 5/16-24 x 3-1/2; M8-1.25 x 90 mm; and 5/16-18 x 4 (SIR).

No. 7245 – Steering wheel puller with five pairs of cap screws. Bar measures 4" x 1" x 1". Wt., 1 lb., 15 oz.



Steering Wheel, Pulley, and Flywheel Puller

Here's a puller that works in a variety of applications. It pulls steering wheels on most late model cars. It also works as a regular 2/3-way puller to remove pulleys and small engine flywheels. Cap screws included (pairs): 3/8-16 x 3-1/2 in.; 5/16-18 x 3-1/2 in.; 5/16-24 x 3-1/2 in.; M8-1.25 x 90 mm; and 5/16-18 x 4 in. (SIR).

- Works on domestic cars with or without collapsible steering columns.

No. 7403 – Steering wheel/pulley/flywheel puller. Wt., 1 lb., 10 oz.

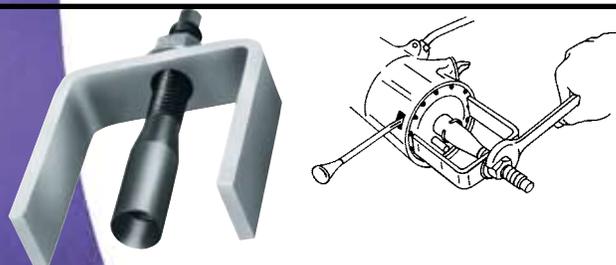


Steering Wheel Remover/ Lock Plate Compressor Set

With this set, it's easy to remove the steering wheels of most domestic and imported vehicles, with or without tilt steering columns. Also accesses the turn signal switch and SIR modules on current GM vehicles.

- Includes No. 7815 steering wheel lock plate remover, No. 7889 steering pivot pin remover for Saginaw steering columns, No. 7245 steering wheel puller, plus four sets of cap screws (2 of each size: M8-1.25 x 90 mm, 3/8"-16 x 3-1/2", 5/16"-24 x 3-1/2", and 5/16"-18 x 4").
- Contained in convenient plastic blow-molded case.

No. 7927A – Steering wheel remover/lock plate compressor set. Wt., 4 lbs., 5 oz.



Steering Wheel Lock Plate Remover

This tool simplifies the removal and installation of round wire snap rings that hold steering wheel lock plates. It's a must for accessing turn signal switches on AMC, Chrysler, and GM model cars, with or without tilt steering columns. Will not work on GM SIR steering columns.

- Also works on metric columns.

No. 7031A – Steering wheel lock plate remover. Wt., 1 lb., 8 oz.



Steering Wheel Lock Plate Remover

This is an essential tool for compressing steering wheel lock plates on AMC, Chrysler, and GM vehicles, with or without tilt steering columns. It's also necessary for accessing the turn signal switch and SIR modules on GM vehicles.

- Also works on metric columns.

No. 7815 – Steering wheel lock plate remover. Wt., 1 lb., 12 oz.

Steering Pivot Pin Remover

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

No. 7889 – Steering pivot pin remover. Wt., 3 oz.

7889

Similar to
Kent Moore J-21894-01

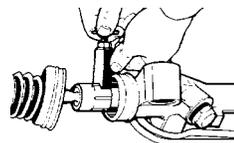


Ford Lock Pin Remover

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

No. 7122R – Lock pin remover. Wt., 5 oz.

No. 37907 – Tip for 7122R. Wt., 1 oz.



7122R



GM Power Steering Pump Pulley Installer

This tool offers easy, damage-free installation of power steering pump pulleys. It works on 1988–95 GM Quad 4 engines; 1990–94 Chevrolet Lumina APV, Oldsmobile Silhouette, and Pontiac Trans Sport vehicles; 1990–94 3.1L V6 engines; 1994–newer 3100 GM V6; 1999–newer 3400 GM V6. Threads are 3/8–16" to fit pulley shaft threads.

No. 7209 – GM power steering pump pulley installer. Wt., 7 oz.



7209

GM Power Steering Pump Pulley Service Kit

Remove and install the power steering pump pulley easily and without damaging the pump shaft or pulley.

- Includes remover and installer.

No. 7362 – GM power steering pump pulley service kit. Wt., 1 lb., 3 oz.

7362



Ford Power Steering Pump Pulley Installer

Installs power steering pump pulleys on 1992–newer Ford Crown Victoria and Mercury Grand Marquis with 4.6 V8 engine, 1997–newer Ford truck with 4.2 & 4.6 V6, 5.4 V8, and 6.8 V10 engines.

- 8 mm x 1.25" threads fit Ford's C111 pump.

No. 7771 – Ford power steering pump pulley installer. Wt., 1 lb., 8 oz.

7771

Similar to
211-185



Ford Air Bag Simulator

Today's air bag systems have self-diagnostic capabilities, but sometimes these internal diagnostics must be serviced or replaced. That's when our air bag simulators come in handy. In fact, it's almost impossible to check and resolve air bag fault codes without such tools. This makes the simulators essential equipment for body shops and other types of service centers.

No. 7955 – Special one-ohm resistor for use on air bags on Probe vehicles. Wt., 6 oz.

No. 7956 – Special two-ohm resistor for use on 1993–02 Ford System II air bags. Wt., 6 oz.

No. 7957 – Special three-ohm resistor for use on Mercury Villager air bag systems. Wt., 6 oz.



AUTOMOTIVE SPECIAL TOOLS

Suspension & Steering Service



4681



Power Steering Pump/ Alternator Remover/Installer Tool

- Reversible 2-in-1 tool removes and installs press-fit alternator and power steering pump pulleys.
- Also removes and installs other press-fit pulleys with a hub diameter of 1-1/8" (28 mm), 1-1/4" (32 mm), 1-5/16" (34 mm), or 1-3/8" (35 mm).

No. 4681 – Power steering pump/alternator remover/installer tool. Wt., 2 lbs.



4529



Power Steering/Alternator Pulley Puller/ Installer Set

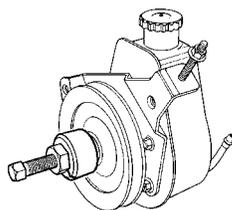
- Properly replaces pressed-on power steering and alternator pulleys on Ford, Chrysler, and late GM engines.
- Housed in a blow-molded plastic storage case.

No. 4529 – Power steering and alternator pulley puller/installer. Wt., 1 lb., 14 oz.



7185

Similar to
Ford No. 211-016
(T69L-10300-B)



Power Steering Pump/Alternator Pulley Remover

This puller removes pulleys on most Chrysler, Ford, GM, and VW vehicles fitted with Saginaw, Thompson, or Ford's C2 and C111 power steering pumps; GM belt-driven steering pumps on cars; and press-on water pump pulleys on GM 4- and 6-cylinder engines. It works on pulleys with hub diameters of 1-1/8", 1-1/4", 1-5/16", and 1-3/8".

- Designed to ensure damage-free removal.

No. 7185 – Power steering pump/alternator pulley remover. Wt., 13 oz.



4530



Power Steering Pump Pulley Service Set

- A complete set of tools required to remove and install power steering pump pulleys of most domestic vehicles.
- Fits pulley hubs with diameters of 1-1/8", 1-1/4", 1-5/16" and 1-3/8".
- Includes the necessary adapters for servicing: GM 3.1L, 3100, 3400, and 3800 V6 engines, GM 2.3L Quad 4 four-cylinder engines, and Ford 4.6L & 5.4L V8, 6.8 V10 engines.

No. 4530 – Power steering pump pulley puller/installer set. Wt. 2 lbs., 5 oz.



7830A

Power Steering Pump Pulley Kit

This kit has nearly everything you need to remove and install power steering pump pulleys in Chrysler, Ford, and GM 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" pulley hub diameters, including 1988–newer GM cars equipped with Quad 4 engines; 1991–94 GM 3.1L V6; 1991–newer 3800 V6 engines; 1994–newer GM 3100 V6; 1999–newer GM 3400 V6, and 1992–newer Ford Crown Victoria and Mercury Grand Marquis with 4.6 V8 engine, 1997–newer Ford truck with 4.2 & 4.6 V6, 5.4 V8, and 6.8 V10 engines.

- Also includes No. 7931 spacer for work on Chrysler Cirrus, Dodge Stratus, and Plymouth Breeze.

No. 7830A – Power steering pump pulley kit. Wt., 1 lb., 10 oz.

AUTOMOTIVE SPECIAL TOOLS

Suspension & Steering Service and Ford Cam Tools

Ford Diesel Vacuum Pump Pulley Remover Jaws

These jaws, together with No. 7185 pulley remover, make quick work of vacuum pump removal on newer Ford diesel engines.

- For use on 1984 to '87 6.9L, and 1988–2003 7.3L.

No. 7922 – Ford diesel vacuum pump pulley remover jaws. Wt., 8 oz.

Similar to
Ford No. 300-D054
(D84T-9486-A)

7922



Power Steering Pump Pulley Installer

This is an ideal companion to our No. 7185 pulley remover. It's a real timesaver for installing power steering pump pulleys and GM press-on water pump pulleys.

- Designed to ensure damage-free installation.
- Internal roller bearing allows for easy turning.
- Threads are 3/8"-16 to match pulley shafts.

No. 7005 – Power steering pump pulley installer. Wt., 11 oz.

Similar to
Ford No. 211-009
(T65P-3A733-C)

7005



The OTC Ford cam tools ensure correct cam timing when servicing timing belts, chains, head gaskets, or other valve train repairs.

Ford Cam Tool Kit

No. 6486 – Ford cam tool kit for 2.0L Zetec engines in Contour, Mystique, and Focus. Contains tool Nos. 6474 and No. 6475. Wt., 1 lb.

6486



Ford Cam Tool Kit

No. 6487 – Ford cam tool kit for 1992 thru 2004 4.6L, 5.4L V8, and 6.8L V10 engines. Contains tool Nos. 6476, 6477, 6009, 6020, and molded storage case. Wt., 5 lbs.

Note: See page 106, kit 6489 for applications.

6487



Ford Cam Tool Kit

No. 6488 – Ford cam tool kit for 1997 thru 2004 4.0L Explorer/Mountaineer SOHC V6 engines. Kit contains tool Nos. 6478, 6479, 6480, 6481, 6482, 6484, 6485, and molded storage case. Wt., 7 lbs. 10 oz.

Note: See page 106, kit 6489 for applications.

6488



AUTOMOTIVE SPECIAL TOOLS

Ford Cam Tool Application Chart



Ford Cam Tool Kit

No. 6489 – Ford master cam tool kit containing all 22 cam tools covering 1992 thru 2004 for over 50 applications, in a molded storage case. Wt., 12 lbs. 5 oz.

Ford cam tool application chart for No. 6489

Note: Some applications require more than one tool to accomplish the task.

| Year | Make & Model | Engine | Tool Description | OTC Part No. | Ford Am. Part No. | Global Part No. |
|-----------|----------------|--------------------------|-----------------------------|--------------|-------------------|-----------------|
| 1995–1997 | Aerostar | 3.0L V6 | Cam Sensor Sync Tool | 6472 | T95T-12200-A | 303-529 |
| 1996–1998 | Aerostar | 4.0L V6 | Cam Sensor Sync Tool | 6472 | T95T-12200-A | 303-529 |
| 1994–2002 | Contour | 2.0L 4 cyl. DOHC Zetec | Cam Alignment Tool | 6474 | T94P-6256-CH | 303-465 |
| 1997–2002 | Contour | 2.0L 4 cyl. DOHC Zetec | Crankshaft TDC Timing Pin | 6475 | T97P-6000-A | 303-574 |
| 1991–1998 | Crown Victoria | 4.6L 2V V8 | Cam Positioning Tool | 6009 | T91P-6256-A | 303-380 |
| 1992–1998 | Crown Victoria | 4.6L 2V V8 | Cam Positioning Tool | 6020 | T92P-6256-A | 303-413 |
| 1997–2003 | Econoline | 4.2L V6 | Cam Sensor Sync Tool | 6469 | T96T-12200-A | 303-562 |
| 1997–1998 | Econoline | 4.6L & 5.4L V8, 6.8L V10 | Cam Positioning Tool | 6009 | T91P-6256-A | 303-380 |
| | | | Cam Positioning Tool | 6020 | T92P-6256-A | 303-413 |
| 1997–2006 | Econoline | 4.6L & 5.4L | Cam Positioning Tool Set | 6476 | T96T-6256-AR | 303-S568 |
| 1997–2006 | Econoline | 5.4L V8 | Cam Holding Tool | 6477 | T96T-6256-B | 303-557 |
| 1997–2006 | Econoline | 6.8L V10 | Cam Positioning Tool Set | 6476 | T96T-6256-AR | 303-S568 |
| | | | Cam Holding Tool | 6477 | T96T-6256-B | 303-557 |
| 1997–2006 | Econoline | Windsor V8 | Cam Holding Tool | 6477 | T96T-6256-B | 303-557 |
| 1997–1998 | Expedition | 5.4L V8 | Cam Positioning Tool | 6009 | T91P-6256-A | 303-380 |
| | | | Cam Positioning Tool | 6020 | T92P-6256-A | 303-413 |
| 1997–2004 | Expedition | 5.4L V8 | Cam Positioning Tool Set | 6476 | T96T-6256-AR | 303-S568 |
| | | | Cam Holding Tool | 6477 | T96T-6256-B | 303-557 |
| 1996–1998 | Explorer | 4.0L V6 | Cam Sensor Sync Tool | 6472 | T95T-12200-A | 303-529 |
| 1997–2006 | Explorer | 4.0L SOHC V6 | Cam Gear Holding Tool | 6478 | T97T-6256-B | 303-564 |
| | | | Crankshaft Holding Tool | 6479 | T97T-6303-A | 303-573 |
| | | | Cam Holding Tool Adapter | 6480 | T97T-6256-D | 303-576 |
| | | | Cam Holding Tool | 6481 | T97T-6256-C | 303-577 |
| | | | Cam Gear Hldg Tool Adapter | 6482 | T97T-6256-A | 303-578 |
| | | | Timing Chain Tensioner Tool | 6484 | T97T-6K254-A | 303-571 |
| | | | Cam Gear Bolt Socket & Ext. | 6485 | T97T-6256-F, -G | 303-565, -575 |
| 1999–2002 | Explorer | 4.0L Push Rod V6 | Cam Sensor Sync Tool | 6483 | | 303-638 |
| 1996–1998 | Explorer | 5.0L V8 | Cam Sensor Sync Tool | 6469 | T96T-12200-A | 303-562 |
| 1999–2002 | Explorer | 5.0L V8 | Cam Sensor Sync Tool | 6470 | | 303-630 |
| 1997–2003 | F-Series Truck | 4.2L V6 | Cam Sensor Sync Tool | 6469 | T96T-12200-A | 303-562 |
| 1997–1998 | F-Series Truck | 4.6L & 5.4L V8 | Cam Positioning Tool | 6009 | T91P-6256-A | 303-380 |
| | | | Cam Positioning Tool | 6020 | T92P-6256-A | 303-413 |
| 1997–2004 | F-Series Truck | 4.6L & 5.4L | Cam Positioning Tool Set | 6476 | T96T-6256-AR | 303-S568 |
| 1997–2004 | F-Series Truck | 5.4L V8 | Cam Holding Tool | 6477 | T96T-6256-B | 303-557 |
| 1997–2004 | F-Series Truck | Windsor V8 | Cam Holding Tool | 6477 | T96T-6256-B | 303-557 |
| 1994–1995 | Mustang | 3.8L V6 | Cam Sensor Sync Tool | 6467 | T89P-12200-A | 303-358 |
| 1996–1998 | Mustang | 3.8L V6 | Cam Sensor Sync Tool | 6469 | T96T-12200-A | 303-562 |
| 1999–2004 | Mustang | 3.8L V6 | Cam Sensor Sync Tool | 6470 | | 303-630 |

AUTOMOTIVE SPECIAL TOOLS

Ford Cam Tool Application Chart

Ford cam tool application chart for No. 6489

Note: Some applications require more than one tool to accomplish the task.

| Year | Make & Model | Engine | Tool Description | OTC Part No. | Ford Am. Part No. | Global Part No. |
|-----------|---------------------|------------------------|----------------------------------|--------------|-------------------|-----------------|
| 1996-2001 | Mustang | 4.6L 4V | Camshaft Positioning Tool | 525216 | | 303-445 |
| 1996-2004 | Mustang | 4.6L 4V | Camshaft Holding Tool | 525217 | | 303-446 |
| 1993-1997 | Probe | 2.0L 4 cyl. | Cam Pulley Holding Tool | 6468 | T92C-6256-AH | 303-398 |
| 1989-1997 | Ranger | 2.3L, 4 cyl. dual plug | Crankshaft Sensor Positioner | 6466 | T89P-6316-A | 303-354 |
| 1995-1997 | Ranger | 3.0L V6 | Cam Sensor Sync Tool | 6472 | T95T-12200-A | 303-529 |
| 1998-2006 | Ranger | 3.0L V6 | Cam Sensor Sync Tool | 6473 | | 303-589 |
| 1996-1998 | Ranger | 4.0L V6 | Cam Sensor Sync Tool | 6472 | T95T-12200-A | 303-529 |
| 1993-1995 | Taurus | 3.0L V6 | Cam Sensor Sync Tool | 6471 | T93P-12200-A | 303-453 |
| 1996-1997 | Taurus | 3.0L V6 2-valve | Cam Sensor Sync Tool | 6472 | T95T-12200-A | 303-529 |
| 1998-2006 | Taurus | 3.0L V6 | Cam Sensor Sync Tool | 6473 | | 303-589 |
| 1989-1995 | Thunderbird | Supercharged 3.8L V6 | Cam Sensor Sync Tool | 6467 | T89P-12200-A | 303-358 |
| 1990-1995 | Thunderbird | 3.8L V6 | Cam Sensor Sync Tool | 6467 | T89P-12200-A | 303-358 |
| 1997 | Thunderbird | 3.8L V6 | Cam Sensor Sync Tool | 6469 | T96T-12200-A | 303-562 |
| 1995-1997 | Windstar | 3.0L V6 | Cam Sensor Sync Tool | 6472 | T95T-12200-A | 303-529 |
| 1998-2003 | Windstar | 3.0L V6 | Cam Sensor Sync Tool | 6473 | | 303-589 |
| 1995 | Windstar | 3.8L V6 | Cam Sensor Sync Tool | 6467 | T89P-12200-A | 303-358 |
| 1996-1998 | Windstar | 3.8L V6 | Cam Sensor Sync Tool | 6469 | T96T-12200-A | 303-562 |
| 1999-2003 | Windstar | 3.8L V6 | Cam Sensor Sync Tool | 6470 | | 303-630 |
| 1998 | Lincoln Navigator | 5.4L V8 | Cam Positioning Tool | 6009 | T91P-6256-A | 303-380 |
| | | | Cam Positioning Tool | 6020 | T92P-6256-A | 303-413 |
| 1998-2004 | Lincoln Navigator | 5.4L V8 | Cam Positioning Tool Set | 6476 | T96T-6256-AR | 303-S568 |
| | | | Cam Holding Tool | 6477 | T96T-6256-B | 303-557 |
| 1993-1997 | Lincoln Mark Series | 4.6L 4V | Secondary Timing Chain Tensioner | 525218 | | 303-447 |
| 1993-1998 | Lincoln Mark Series | 4.6L 4V | Camshaft Positioning Tool | 525216 | | 303-445 |
| | | | Camshaft Holding Tool | 525217 | | 303-446 |
| 1995-2002 | Lincoln Continental | 4.6L 4V | Camshaft Positioning Tool | 525216 | | 303-445 |
| | | | Camshaft Holding Tool | 525217 | | 303-446 |
| 2003-2005 | Lincoln Aviator | 4.6L 4V | Camshaft Holding Tool | 525217 | | 303-446 |
| 1989-1995 | Cougar | Supercharged 3.8L V6 | Cam Sensor Sync Tool | 6467 | T89P-12200-A | 303-358 |
| 1990-1995 | Cougar | 3.8L V6 | Cam Sensor Sync Tool | 6467 | T89P-12200-A | 303-358 |
| 1997 | Cougar | 3.8L V6 | Cam Sensor Sync Tool | 6469 | T96T-12200-A | 303-562 |
| 1991-1998 | Grand Marquis | 4.6L 2V V8 | Cam Positioning Tool | 6009 | T91P-6256-A | 303-380 |
| 1992-1998 | Grand Marquis | 4.6L 2V V8 | Cam Positioning Tool | 6020 | T92P-6256-A | 303-413 |
| 1997-2006 | Mountaineer | 4.0L SOHC V6 | Cam Gear Holding Tool | 6478 | T97T-6256-B | 303-564 |
| | | | Crankshaft Holding Tool | 6479 | T97T-6303-A | 303-573 |
| | | | Cam Holding Tool Adapter | 6480 | T97T-6256-D | 303-576 |
| | | | Cam Holding Tool | 6481 | T97T-6256-C | 303-577 |
| | | | Cam Gear Holding Tool Adapter | 6482 | T97T-6256-A | 303-578 |
| | | | Timing Chain Tensioner Tool | 6484 | T97T-6K254-A | 303-571 |
| | | | Cam Gear Bolt Socket & Ext. | 6485 | T97T-6256-F, -G | 303-565, -575 |
| 1999-2004 | Mountaineer | 4.0L Push Rod V6 | Cam Sensor Sync Tool | 6483 | | 303-638 |
| 1996-1998 | Mountaineer | 5.0L V8 | Cam Sensor Sync Tool | 6469 | T96T-12200-A | 303-562 |
| 1999-2001 | Mountaineer | 5.0L V8 | Cam Sensor Sync Tool | 6470 | | 303-630 |
| 1994-2002 | Mystique | 2.0L 4 cyl. DOHC Zetec | Cam Alignment Tool | 6474 | T94P-6256-CH | 303-465 |
| 1997-2002 | Mystique | 2.0L 4 cyl. DOHC Zetec | Crankshaft TDC Timing Pin | 6475 | T97P-6000-A | 303-574 |
| 1993-1995 | Sable | 3.0L V6 | Cam Sensor Sync Tool | 6471 | T93P-12200-A | 303-453 |
| 1996-1997 | Sable | 3.0L V6 2-valve | Cam Sensor Sync Tool | 6472 | T95T-12200-A | 303-529 |
| 1998-2004 | Sable | 3.0L V6 | Cam Sensor Sync Tool | 6473 | | 303-589 |
| 2003-2004 | Mercury Marauder | 4.6L 4V | Camshaft Positioning Tool | 525217 | | 303-446 |
| | | | Camshaft Holding Tool | 525217 | | 303-446 |

AUTOMOTIVE SPECIAL TOOLS

Ford Cam Tool Application Chart

The OTC Ford cam tools ensure correct cam timing when servicing timing belts, chains, head gaskets, or other valve train repairs.

Ford 4.6L 4-Valve Cam Timing Kit

- Kit includes: Camshaft positioning tool, camshaft holding tool, crankshaft positioning tool, secondary chain tensioner tool.
- Saves time; all tools required for camshaft timing are in one kit.

No. 6498 – Ford 4.6L 4-valve cam timing kit.
Wt., 6 lbs., 11 oz.



6498

Ford 4.6L V8 4 valve Cam Timing application chart for 6498 Note: Some applications require more than one tool to accomplish the task.

| Year | Make | Model | Engine | Tool Description | OTC PN | OE PN |
|-----------|---------|------------|------------|---------------------------------------|--------|---------|
| 1993-1998 | Lincoln | Mark VIII | 4.6L VIN V | Camshaft Positioning Tool | 525216 | 303-445 |
| 1995-2002 | Lincoln | Contiental | 4.6L VIN V | Camshaft Positioning Tool | 525216 | 303-445 |
| 1996-2001 | Ford | Mustang | 4.6L VIN V | Camshaft Positioning Tool | 525216 | 303-445 |
| 2003-2004 | Mercury | Marauder | 4.6L VIN V | Camshaft Positioning Tool | 525216 | 303-445 |
| 1993-1998 | Lincoln | Mark VIII | 4.6L VIN V | Camshaft Holding Tool | 525217 | 303-446 |
| 1995-2002 | Lincoln | Contiental | 4.6L VIN V | Camshaft Holding Tool | 525217 | 303-446 |
| 1996-2002 | Ford | Mustang | 4.6L VIN V | Camshaft Holding Tool | 525217 | 303-446 |
| 2003-2004 | Ford | Mustang | 4.6L VIN Y | Camshaft Holding Tool | 525217 | 303-446 |
| 2005-2006 | Ford | Mustang | 4.6: VIN H | Camshaft Holding Tool | 525217 | 303-446 |
| 2003-2004 | Mercury | Marauder | 4.6L VIN V | Camshaft Holding Tool | 525217 | 303-446 |
| 2003-2005 | Lincoln | Aviator | 4.6L VIN H | Camshaft Holding Tool | 525217 | 303-446 |
| 1993-1997 | Lincoln | Mark VIII | 4.6L VIN V | Secondary Timing Chain Tensioner tool | 525218 | 303-447 |
| 1995-1997 | Lincoln | Contiental | 4.6L VIN V | Secondary Timing Chain Tensioner tool | 525218 | 303-447 |
| 1996-1997 | Ford | Mustang | 4.6L VIN V | Secondary Timing Chain Tensioner tool | 525218 | 303-447 |
| 1993-1998 | Lincoln | Mark VIII | 4.6L VIN V | Crankshaft Positioning Tool | 525219 | 303-448 |
| 1995-2002 | Lincoln | Contiental | 4.6L VIN V | Crankshaft Positioning Tool | 525219 | 303-448 |
| 1996-2001 | Ford | Mustang | 4.6L VIN V | Crankshaft Positioning Tool | 525219 | 303-448 |
| 2003-2004 | Mercury | Marauder | 4.6L VIN V | Crankshaft Positioning Tool | 525219 | 303-448 |
| 2003-2004 | Ford | Mustang | 4.6L VIN Y | Crankshaft Positioning Tool | 525219 | 303-448 |
| 2005-2006 | Ford | Mustang | 4.6: VIN H | Crankshaft Positioning Tool | 525219 | 303-448 |
| 2003-2005 | Lincoln | Aviator | 4.6L VIN H | Crankshaft Positioning Tool | 525219 | 303-448 |

AUTOMOTIVE SPECIAL TOOLS

Chrysler/Jeep Cam Tool Set

The Chrysler/Jeep cam timing tools are provided to ensure correct cam timing when servicing timing belts, chains, head gaskets, or performing other valve train repairs.

These 15 tools are based on OE designs and are offered to service the following applications:

Cam positioning is an IMPORTANT procedure. If cam timing is not correct, the engine may still run, but emissions and mileage will be affected. The engine computer may also initiate the "Check Engine" light.

No. 6689 – Chrysler/Jeep cam tool set. Wt., 25 lbs.



6689

Chrysler / Jeep Cam Tool application chart for 6689 Note: Some applications require more than one tool to accomplish the task.

| Year | Make | Model | Engine | Tool Description | OTC PN | OE PN |
|-----------|----------|-------------------------|----------|--------------------------|----------------|-------|
| 1990-2006 | Chrysler | Town & Country Van | 3.3 L V6 | Crankshaft Damper Puller | 6667 or 513990 | 8454 |
| 1990-2006 | Dodge | Caravan & Grand Caravan | 3.3 L V6 | Crankshaft Damper Puller | 6667 or 513990 | 8454 |
| 1990-2000 | Plymouth | Voyager & Grand Voyager | 3.3 L V6 | Crankshaft Damper Puller | 6667 or 513990 | 8454 |
| 1993-1996 | Chrysler | Conorde | 3.3 L V6 | Crankshaft Damper Puller | 6667 or 513990 | 8454 |
| 1993-1997 | Dodge | Intrepid | 3.3 L V6 | Crankshaft Damper Puller | 6667 or 513990 | 8454 |
| 1993-1997 | Chrysler | Conorde | 3.5L V6 | Crankshaft Damper Puller | 6667 or 513990 | 8454 |
| 1993-1997 | Dodge | Intrepid | 3.5L V6 | Crankshaft Damper Puller | 6667 or 513990 | 8454 |
| 1994-2006 | Chrysler | Town & Country Van | 3.8L V6 | Crankshaft Damper Puller | 6667 or 513990 | 8454 |
| 1994-2006 | Dodge | Caravan & Grand Caravan | 3.8L V6 | Crankshaft Damper Puller | 6667 or 513990 | 8454 |
| 1994-2000 | Plymouth | Voyager & Grand Voyager | 3.8L V6 | Crankshaft Damper Puller | 6667 or 513990 | 8454 |
| 1994-2006 | Dodge | Ram Truck | 8.0L V10 | Crankshaft Damper Puller | 6667 or 513990 | 8454 |
| 1995-2006 | Dodge | Neon | 2.0L I4 | Crankshaft Damper Puller | 6667 or 513990 | 8454 |
| 1995-1999 | Dodge | Avanger | 2.0L I4 | Crankshaft Damper Puller | 6667 or 513990 | 8454 |
| 1995-2000 | Dodge | Avanger | 2.5L V6 | Crankshaft Damper Puller | 6667 or 513990 | 8454 |
| 2003-2006 | Dodge | Neon | 2.4L I4 | Crankshaft Damper Puller | 6667 or 513990 | 8454 |
| 1995-1999 | Chrysler | Sebring | 2.0L I4 | Crankshaft Damper Puller | 6667 or 513990 | 8454 |
| 1995-2000 | Chrysler | Sebring | 2.5L V6 | Crankshaft Damper Puller | 6667 or 513990 | 8454 |
| 1995-2000 | Chrysler | Cirrus | 2.4L I4 | Crankshaft Damper Puller | 6667 or 513990 | 8454 |
| 1995-2000 | Chrysler | Cirrus | 2.5L V6 | Crankshaft Damper Puller | 6667 or 513990 | 8454 |
| 2001-2006 | Chrysler | Sebring | 2.4L I4 | Crankshaft Damper Puller | 6667 or 513990 | 8454 |
| 1995-2001 | Plymouth | Neon | 2.0L I4 | Crankshaft Damper Puller | 6667 or 513990 | 8454 |
| 1995-2000 | Plymouth | Breeze | 2.0L I4 | Crankshaft Damper Puller | 6667 or 513990 | 8454 |
| 1995-2000 | Plymouth | Breeze | 2.4L I4 | Crankshaft Damper Puller | 6667 or 513990 | 8454 |
| 2001-2006 | Chrysler | PT Cruiser | 2.4L I4 | Crankshaft Damper Puller | 6667 or 513990 | 8454 |
| 1998-2004 | Chrysler | Conorde | 2.7L V6 | Crankshaft Damper Puller | 6667 or 513990 | 8454 |
| 1998-2004 | Chrysler | Conorde | 3.2L V6 | Crankshaft Damper Puller | 6667 or 513990 | 8454 |
| 1999-2006 | Chrysler | 300 | 3.5L V6 | Crankshaft Damper Puller | 6667 or 513990 | 8454 |
| 2005-2006 | Chrysler | 300 | 2.7L V6 | Crankshaft Damper Puller | 6667 or 513990 | 8454 |
| 2005-2006 | Chrysler | PT Cruiser | 2.7L V6 | Crankshaft Damper Puller | 6667 or 513990 | 8454 |
| 2004-2006 | Chrysler | Pacifica | 3.5L V6 | Crankshaft Damper Puller | 6667 or 513990 | 8454 |
| 2006 | Dodge | Charger | 3.5L V6 | Crankshaft Damper Puller | 6667 or 513990 | 8454 |
| 2006 | Dodge | Charger | 2.7L V6 | Crankshaft Damper Puller | 6667 or 513990 | 8454 |
| 1998-2006 | Dodge | Intrepid | 2.7L V6 | Crankshaft Damper Puller | 6667 or 513990 | 8454 |
| 1998-2006 | Dodge | Intrepid | 3.2L V6 | Crankshaft Damper Puller | 6667 or 513990 | 8454 |
| 2000-2006 | Dodge | Dakota | 4.7L V8 | Crankshaft Damper Puller | 6667 or 513990 | 8454 |
| 2000-2006 | Dodge | Durango | 4.7L V8 | Crankshaft Damper Puller | 6667 or 513990 | 8454 |
| 1999-2006 | Jeep | Grand Cherokee | 4.7L V8 | Crankshaft Damper Puller | 6667 or 513990 | 8454 |

AUTOMOTIVE SPECIAL TOOLS

Chrysler/Jeep Cam Tool Application Chart

Chrysler / Jeep Cam Tool application chart for 6689 Note: Some applications require more than one tool to accomplish the task.

| Year | Make | Model | Engine | Tool Description | OTC PN | OE PN |
|-----------|----------|-------------------------|---------------|-----------------------------------|----------------|--------|
| 2006 | Jeep | Commander | 4.7L V8 | Crankshaft Damper Puller | 6667 or 513990 | 8454 |
| 1994-1997 | Chrysler | New Yorker & LHS | 3.5L V6 | Crankshaft Damper Puller | 6667 or 513990 | 8454 |
| 1993-1997 | Chrysler | Conorde | 3.5L V6 | Camshaft alignment tools | 7999 or 522888 | 6642 |
| 1994-1997 | Chrysler | New Yorker & LHS | 3.5L V6 | Camshaft alignment tools | 7999 or 522888 | 6642 |
| 1993-1997 | Dodge | Intrepid | 3.5L V6 | Timing Chain Tensioner Reset Tool | 522890 | 8186 |
| 2002-2006 | Chrysler | Sebring | 2.7L V6 vin R | Timing Chain Tensioner Reset Tool | 522890 | 8186 |
| 2005-2006 | Chrysler | 300 | 2.7L V6 vin R | Timing Chain Tensioner Reset Tool | 522890 | 8186 |
| 1998-2004 | Dodge | Intrepid | 2.7L V6 vin R | Timing Chain Tensioner Reset Tool | 522890 | 8186 |
| 2002-2006 | Dodge | Stratus | 2.7L V6 vin R | Timing Chain Tensioner Reset Tool | 522890 | 8186 |
| 2005-2006 | Dodge | Magnum | 2.7L V6 vin R | Timing Chain Tensioner Reset Tool | 522890 | 8186 |
| 2006 | Dodge | Charger | 2.7L V6 vin R | Timing Chain Tensioner Reset Tool | 522890 | 8186 |
| 1999-2006 | Jeep | Grand Cherokee | 4.7L V8 | Timing Chain Wedge | 522892 | 8350 |
| 2006 | Jeep | Commander | 4.7L V8 | Timing Chain Wedge | 522892 | 8350 |
| 2000-2006 | Dodge | Durango | 4.7L V8 | Timing Chain Wedge | 522892 | 8350 |
| 2000-2006 | Dodge | Dakota | 4.7L V8 | Timing Chain Wedge | 522892 | 8350 |
| 2002-2006 | Dodge | Ram Truck | 4.7L V8 | Timing Chain Wedge | 522892 | 8350 |
| 2002-2006 | Jeep | Liberty | 3.7L V6 | Timing Chain Wedge | 522893 | 8379 |
| 2004-2006 | Jeep | Grand Cherokee | 3.7L V6 | Timing Chain Wedge | 522893 | 8379 |
| 2002-2006 | Dodge | Ram Truck | 3.7L V6 | Timing Chain Wedge | 522893 | 8379 |
| 2004-2006 | Dodge | Dakota | 3.7L V6 | Timing Chain Wedge | 522893 | 8379 |
| 2004-2006 | Dodge | Durango | 3.7L V6 | Timing Chain Wedge | 522893 | 8379 |
| 2002-2006 | Jeep | Liberty | 3.7L V6 | Camshaft Wrench | 522894 | 8428 |
| 2004-2006 | Jeep | Grand Cherokee | 3.7L V6 | Camshaft Wrench | 522894 | 8428 |
| 2002-2006 | Dodge | Ram Truck | 3.7L V6 | Camshaft Wrench | 522894 | 8428 |
| 2004-2006 | Dodge | Dakota | 3.7L V6 | Camshaft Wrench | 522894 | 8428 |
| 2004-2006 | Dodge | Durango | 3.7L V6 | Camshaft Wrench | 522894 | 8428 |
| 1999-2006 | Jeep | Grand Cherokee | 4.7L V8 | Idler Shaft Remover | 522896 | 8517 |
| 2006 | Jeep | Commander | 4.7L V8 | Idler Shaft Remover | 522896 | 8517 |
| 2000-2006 | Dodge | Durango | 4.7L V8 | Idler Shaft Remover | 522896 | 8517 |
| 2000-2006 | Dodge | Dakota | 4.7L V8 | Idler Shaft Remover | 522896 | 8517 |
| 2002-2006 | Dodge | Ram Truck | 4.7L V8 | Idler Shaft Remover | 522896 | 8517 |
| 1999-2006 | Jeep | Grand Cherokee | 4.7L V8 | Tensioner lock pin | 522897 | 8514 |
| 2006 | Jeep | Commander | 4.7L V8 | Tensioner lock pin | 522897 | 8514 |
| 2000-2006 | Dodge | Durango | 4.7L V8 | Tensioner lock pin | 522897 | 8514 |
| 2000-2006 | Dodge | Dakota | 4.7L V8 | Tensioner lock pin | 522897 | 8514 |
| 2002-2006 | Dodge | Ram Truck | 4.7L V8 | Tensioner lock pin | 522897 | 8514 |
| 2001-2005 | Chrysler | Sebring | 2.4L I4 vin G | Camshaft Holding Pins | 522898 | 8599 |
| 2001-2005 | Dodge | Stratus | 2.4L I4 vin G | Camshaft Holding Pins | 522898 | 8599 |
| 2001-2005 | Chrysler | Sebring | 3.0L V6 vin H | Camshaft Holding Pins | 522898 | 8599 |
| 2001-2005 | Dodge | Stratus | 3.0L V6 vin H | Camshaft Holding Pins | 522898 | 8599 |
| 1981-1988 | Dodge | Omni | 2.2 L I4 | Timing Belt Tensioner | 7695 or 522899 | C-4703 |
| 1981-1989 | Dodge | Aries | 2.2 L I4 | Timing Belt Tensioner | 7695 or 522899 | C-4703 |
| 1982-1983 | Dodge | 400 | 2.2 L I4 | Timing Belt Tensioner | 7695 or 522899 | C-4703 |
| 1983-1988 | Dodge | 600 | 2.2 L I4 | Timing Belt Tensioner | 7695 or 522899 | C-4703 |
| 1984-1986 | Dodge | Charger | 2.2 L I4 | Timing Belt Tensioner | 7695 or 522899 | C-4703 |
| 1984-1989 | Dodge | Daytona | 2.2 L I4 | Timing Belt Tensioner | 7695 or 522899 | C-4703 |
| 1984-1987 | Dodge | Caravan & Grand Caravan | 2.2 L I4 | Timing Belt Tensioner | 7695 or 522899 | C-4703 |
| 1983-1990 | Dodge | Shelby | 2.2 L I4 | Timing Belt Tensioner | 7695 or 522899 | C-4703 |
| 1987-1994 | Dodge | Shadow | 2.2 L I4 | Timing Belt Tensioner | 7695 or 522899 | C-4703 |
| 1985-1989 | Dodge | Lancer | 2.2 L I4 | Timing Belt Tensioner | 7695 or 522899 | C-4703 |
| 1986-1993 | Dodge | Daytona | 2.2 L I4 | Timing Belt Tensioner | 7695 or 522899 | C-4703 |

AUTOMOTIVE SPECIAL TOOLS

Chrysler/Jeep Cam Tool Application Chart

Chrysler / Jeep Cam Tool application chart for 6689 Note: Some applications require more than one tool to accomplish the task.

| Year | Make | Model | Engine | Tool Description | OTC PN | OE PN |
|-----------|----------|-------------------------|----------|-------------------------------|----------------|-----------|
| 1986-1989 | Dodge | Aries | 2.5 L I4 | Timing Belt Tensioner | 7695 or 522899 | C-4703 |
| 1986-1988 | Dodge | 600 | 2.5 L I4 | Timing Belt Tensioner | 7695 or 522899 | C-4703 |
| 1987-1989 | Dodge | Lancer | 2.5 L I4 | Timing Belt Tensioner | 7695 or 522899 | C-4703 |
| 1987-1995 | Dodge | Caravan & Grand Caravan | 2.5 L I4 | Timing Belt Tensioner | 7695 or 522899 | C-4703 |
| 1988-1991 | Dodge | Shelby | 2.5 L I4 | Timing Belt Tensioner | 7695 or 522899 | C-4703 |
| 1988-1993 | Dodge | Dynasty | 2.5 L I4 | Timing Belt Tensioner | 7695 or 522899 | C-4703 |
| 1989-1994 | Dodge | Shadow | 2.5 L I4 | Timing Belt Tensioner | 7695 or 522899 | C-4703 |
| 1989-1995 | Dodge | Spirit | 2.5 L I4 | Timing Belt Tensioner | 7695 or 522899 | C-4703 |
| 1982-1990 | Chrysler | Lebaron | 2.2 L I4 | Timing Belt Tensioner | 7695 or 522899 | C-4703 |
| 1983-1988 | Chrysler | New Yorker | 2.2 L I4 | Timing Belt Tensioner | 7695 or 522899 | C-4703 |
| 1984-1986 | Chrysler | Laser | 2.2 L I4 | Timing Belt Tensioner | 7695 or 522899 | C-4703 |
| 1986-1993 | Chrysler | Lebaron | 2.5 L I4 | Timing Belt Tensioner | 7695 or 522899 | C-4703 |
| 1986-1987 | Chrysler | New Yorker | 2.5 L I4 | Timing Belt Tensioner | 7695 or 522899 | C-4703 |
| 1981-1989 | Plymouth | Horizon | 2.2 L I4 | Timing Belt Tensioner | 7695 or 522899 | C-4703 |
| 1981-1989 | Plymouth | Reliant | 2.2 L I4 | Timing Belt Tensioner | 7695 or 522899 | C-4703 |
| 1984-1988 | Plymouth | Voyager | 2.2 L I4 | Timing Belt Tensioner | 7695 or 522899 | C-4703 |
| 1982-1986 | Plymouth | Turismo | 2.2 L I4 | Timing Belt Tensioner | 7695 or 522899 | C-4703 |
| 1989-1994 | Plymouth | Sundance | 2.2 L I4 | Timing Belt Tensioner | 7695 or 522899 | C-4703 |
| 1986-1988 | Plymouth | Caravelle | 2.5 L I4 | Timing Belt Tensioner | 7695 or 522899 | C-4703 |
| 1986-1989 | Plymouth | Reliant | 2.5 L I4 | Timing Belt Tensioner | 7695 or 522899 | C-4703 |
| 1987-1995 | Plymouth | Voyager | 2.5 L I4 | Timing Belt Tensioner | 7695 or 522899 | C-4703 |
| 1987-1994 | Plymouth | Sundance | 2.5 L I4 | Timing Belt Tensioner | 7695 or 522899 | C-4703 |
| 1990-1995 | Plymouth | Acclaim | 2.5 L I4 | Timing Belt Tensioner | 7695 or 522899 | C-4703 |
| 1989-1995 | Dodge | Colt | 2.4L I4 | Timing Belt Tensioner | 522900A | MD-998738 |
| 1989-1995 | Eagle | Summit | 2.4L I4 | Timing Belt Tensioner | 522900A | MD-998738 |
| 1991-1997 | Dodge | Stealth | 3.0L V6 | Timing Belt Wrench | 7997 or 522901 | MD-998767 |
| 1992-1994 | Eagle | Summit | 2.4L I4 | Timing Belt Wrench | 7997 or 522901 | MD-998767 |
| 1992-1994 | Dodge | Colt | 2.4L I4 | Timing Belt Wrench | 7997 or 522901 | MD-998767 |
| 1984-1991 | Dodge | Colt | 2.0L I4 | Timing Belt Wrench | 7997 or 522901 | MD-998767 |
| 1999-2006 | Jeep | Grand Cherokee | 4.7L V8 | Secondary Timing Chain Holder | 522902 | 8515 |
| 2006 | Jeep | Commander | 4.7L V8 | Secondary Timing Chain Holder | 522902 | 8515 |
| 2000-2006 | Dodge | Durango | 4.7L V8 | Secondary Timing Chain Holder | 522902 | 8515 |
| 2000-2006 | Dodge | Dakota | 4.7L V8 | Secondary Timing Chain Holder | 522902 | 8515 |
| 2002-2006 | Dodge | Ram Truck | 4.7L V8 | Secondary Timing Chain Holder | 522902 | 8515 |
| 1999-2006 | Jeep | Grand Cherokee | 4.7L V8 | Secondary Timing Chain Holder | 522902 | 8515 |
| 2006 | Jeep | Commander | 4.7L V8 | Secondary Timing Chain Holder | 522902 | 8515 |
| 2000-2006 | Dodge | Durango | 4.7L V8 | Secondary Timing Chain Holder | 522902 | 8515 |
| 2000-2006 | Dodge | Dakota | 4.7L V8 | Secondary Timing Chain Holder | 522902 | 8515 |
| 2002-2006 | Dodge | Ram Truck | 4.7L V8 | Secondary Timing Chain Holder | 522902 | 8515 |

AUTOMOTIVE SPECIAL TOOLS

GM Cam Tool Application Chart



6685

GM In-line 4-Cylinder Cam Tool Set

- Comprehensive tool kit designed to save time when servicing GM 4-cylinder engines.
- Tools are actually easier to use than the original OE essential tools.

No. 6685 – GM In-line 4-Cylinder Cam Tool Set.
Wt., 17 lbs., 8 oz.

GM In-line 4-Cylinder Cam Tool Application Chart for 6685 Note: Some applications require more than one tool to accomplish the task.

| Year | Make | Model | Engine | Tool Description | OTC PN | OE PN |
|-----------|------------|-----------------|------------|--|---------------------|----------|
| 1988-1995 | Buick | Skylark | 2.3L | Camshaft Sprocket Wrench | 527046 | J-36013 |
| 1990-1991 | Oldsmobile | Cutlass Supreme | 2.3L | Camshaft Sprocket Wrench | 527046 | J-36013 |
| 1987-1991 | Oldsmobile | Calais | 2.3L | Camshaft Sprocket Wrench | 527046 | J-36013 |
| 1992-1995 | Oldsmobile | Achieva | 2.3L | Camshaft Sprocket Wrench | 527046 | J-36013 |
| 1988-1995 | Pontiac | Grand Am | 2.3L | Camshaft Sprocket Wrench | 527046 | J-36013 |
| 1995 | Pontiac | Sunfire | 2.3L | Camshaft Sprocket Wrench | 527046 | J-36013 |
| 1996-1998 | Buick | Skylark | 2.4L | Camshaft Sprocket Wrench | 527049 | J-39579 |
| 1996-2002 | Chevrolet | Cavalier | 2.4L | Camshaft Sprocket Wrench | 527049 | J-39579 |
| 1996-1998 | Oldsmobile | Achieva | 2.4L | Camshaft Sprocket Wrench | 527049 | J-39579 |
| 1999-2001 | Oldsmobile | Alero | 2.4L | Camshaft Sprocket Wrench | 527049 | J-39579 |
| 1996-2001 | Pontiac | Grand Am | 2.4L | Camshaft Sprocket Wrench | 527049 | J-39579 |
| 1996-2002 | Pontiac | Sunfire | 2.4L | Camshaft Sprocket Wrench | 527049 | J-39579 |
| 1988-1998 | Buick | Skylark | 2.3L/2.4L | Camshaft Timing Alignment Pins | 527045 | J-36008A |
| 1996-2002 | Chevrolet | Cavalier | 2.3L/2.4L | Camshaft Timing Alignment Pins | 527045 | J-36008A |
| 1987-1991 | Oldsmobile | Calais | 2.3L/2.4L | Camshaft Timing Alignment Pins | 527045 | J-36008A |
| 1990-1991 | Oldsmobile | Cutlass Supreme | 2.3L/2.4L | Camshaft Timing Alignment Pins | 527045 | J-36008A |
| 1992-1998 | Oldsmobile | Achieva | 2.3L/2.4L | Camshaft Timing Alignment Pins | 527045 | J-36008A |
| 1999-2001 | Oldsmobile | Alero | 2.3L/2.4L | Camshaft Timing Alignment Pins | 527045 | J-36008A |
| 1998-2001 | Pontiac | Grand Am | 2.3L/2.4L | Camshaft Timing Alignment Pins | 527045 | J-36008A |
| 1995-2002 | Pontiac | Sunfire | 2.3L/2.4L | Camshaft Timing Alignment Pins | 527045 | J-36008A |
| 1996-1998 | Buick | Skylark | 2.4L | Timing Chain Tensioner & Shoe Retainer | 532174 | NA |
| 1996-2002 | Chevrolet | Cavalier | 2.4L | Timing Chain Tensioner & Shoe Retainer | 532174 | NA |
| 1996-1998 | Oldsmobile | Achieva | 2.4L | Timing Chain Tensioner & Shoe Retainer | 532174 | NA |
| 1999-2001 | Oldsmobile | Alero | 2.4L | Timing Chain Tensioner & Shoe Retainer | 532174 | NA |
| 1996-2001 | Pontiac | Grand Am | 2.4L | Timing Chain Tensioner & Shoe Retainer | 532174 | NA |
| 1996-2002 | Pontiac | Sunfire | 2.4L | Timing Chain Tensioner & Shoe Retainer | 532174 | NA |
| 1988-1995 | Buick | Skylark | 2.3L | Timing Chain Tensioner Retainer | 532195 | J-36589 |
| 1987-1991 | Oldsmobile | Calais | 2.3L | Timing Chain Tensioner Retainer | 532195 | J-36589 |
| 1990-1991 | Oldsmobile | Cutlass Supreme | 2.3L | Timing Chain Tensioner Retainer | 532195 | J-36589 |
| 1992-1995 | Oldsmobile | Achieva | 2.3L | Timing Chain Tensioner Retainer | 532195 | J-36589 |
| 1988-1995 | Pontiac | Grand Am | 2.3L | Timing Chain Tensioner Retainer | 532195 | J-36589 |
| 1995 | Pontiac | Sunfire | 2.3L | Timing Chain Tensioner Retainer | 532195 | J-36589 |
| 2002-2005 | Chevrolet | Cavalier | 2.2L vin F | Timing Chain Tensioner Loading Tools | 527061-1 & 527061-2 | J-45027 |
| 2003-2006 | Chevrolet | Malibu | 2.2L vin F | Timing Chain Tensioner Loading Tools | 527061-1 & 527061-2 | J-45027 |
| 2004-2005 | Chevrolet | Malibu Classic | 2.2L vin F | Timing Chain Tensioner Loading Tools | 527061-1 & 527061-2 | J-45027 |
| 2002-2004 | Oldsmobile | Alero | 2.2L vin F | Timing Chain Tensioner Loading Tools | 527061-1 & 527061-2 | J-45027 |
| 2002-2005 | Pontiac | Sunfire | 2.2L vin F | Timing Chain Tensioner Loading Tools | 527061-1 & 527061-2 | J-45027 |
| 2002-2005 | Pontiac | Grand Am | 2.2L vin F | Timing Chain Tensioner Loading Tools | 527061-1 & 527061-2 | J-45027 |

AUTOMOTIVE SPECIAL TOOLS

GM Cam Tool Application Chart

GM In-line 4-Cylinder Cam Tool Application Chart for 6685 Note: Some applications require more than one tool to accomplish the task.

| Year | Make | Model | Engine | Tool Description | OTC PN | OE PN |
|-----------|------------|----------------|------------|--------------------------------------|---------------------|----------------------|
| 2000-2005 | Saturn | L Series | 2.2L vin F | Timing Chain Tensioner Loading Tools | 527061-1 & 527061-2 | J-45027 |
| 2002-2006 | Saturn | Vue | 2.2L vin F | Timing Chain Tensioner Loading Tools | 527061-1 & 527061-2 | J-45027 |
| 2003-2006 | Saturn | Ion | 2.2L vin F | Timing Chain Tensioner Loading Tools | 527061-1 & 527061-2 | J-45027 |
| 2005-2006 | Chevrolet | Cobalt | 2.2L vin F | Timing Chain Tensioner Loading Tools | 527061-1 & 527061-2 | J-45027 |
| 2005-2006 | Chevrolet | Cobalt | 2.4L vin B | Timing Chain Tensioner Loading Tools | 527061-1 & 527061-2 | J-45027 |
| 2006 | Chevrolet | HHR | 2.4L vin B | Timing Chain Tensioner Loading Tools | 527061-1 & 527061-2 | J-45027 |
| 2006 | Pontiac | G6 | 2.4L vin B | Timing Chain Tensioner Loading Tools | 527061-1 & 527061-2 | J-45027 |
| 2006 | Pontiac | Pursuit | 2.4L vin B | Timing Chain Tensioner Loading Tools | 527061-1 & 527061-2 | J-45027 |
| 2006 | Pontiac | Solstice | 2.4L vin B | Timing Chain Tensioner Loading Tools | 527061-1 & 527061-2 | J-45027 |
| 2005-2006 | Chevrolet | Cobalt | 2.0L | Timing Chain Tensioner Loading Tools | 527061-1 & 527061-2 | J-45027 |
| 2002-2005 | Chevrolet | Cavalier | 2.2L vin F | Camshaft Sprocket Holding Tool | 527056 | J-43655 |
| 2003-2006 | Chevrolet | Malibu | 2.2L vin F | Camshaft Sprocket Holding Tool | 527056 | J-43655 |
| 2004-2005 | Chevrolet | Malibu Classic | 2.2L vin F | Camshaft Sprocket Holding Tool | 527056 | J-43655 |
| 2002-2004 | Oldsmobile | Alero | 2.2L vin F | Camshaft Sprocket Holding Tool | 527056 | J-43655 |
| 2002-2005 | Pontiac | Sunfire | 2.2L vin F | Camshaft Sprocket Holding Tool | 527056 | J-43655 |
| 2002-2005 | Pontiac | Grand Am | 2.2L vin F | Camshaft Sprocket Holding Tool | 527056 | J-43655 |
| 2000-2005 | Saturn | L Series | 2.2L vin F | Camshaft Sprocket Holding Tool | 527056 | J-43655 |
| 2002-2006 | Saturn | Vue | 2.2L vin F | Camshaft Sprocket Holding Tool | 527056 | J-43655 |
| 2003-2006 | Saturn | Ion | 2.2L vin F | Camshaft Sprocket Holding Tool | 527056 | J-43655 |
| 2005-2006 | Chevrolet | Cobalt | 2.2L vin F | Camshaft Sprocket Holding Tool | 527056 | J-43655 |
| 2005-2006 | Chevrolet | Cobalt | 2.0L | Camshaft Sprocket Holding Tool | 527056 | J-43655 |
| 2005-2006 | Chevrolet | Cobalt | 2.4L vin B | Camshaft Sprocket Holding Tool | 527056 | J-43655 |
| 2006 | Chevrolet | HHR | 2.4L vin B | Camshaft Sprocket Holding Tool | 527056 | J-43655 |
| 2006 | Pontiac | G6 | 2.4L vin B | Camshaft Sprocket Holding Tool | 527056 | J-43655 |
| 2006 | Pontiac | Pursuit | 2.4L vin B | Camshaft Sprocket Holding Tool | 527056 | J-43655 |
| 2006 | Pontiac | Solstice | 2.4L vin B | Camshaft Sprocket Holding Tool | 527056 | J-43655 |
| 2002-2005 | Chevrolet | Cavalier | 2.2L vin F | Timing Chain Holders | 536186 & 536187 | J-44217-1 & J44217-2 |
| 2003-2006 | Chevrolet | Malibu | 2.2L vin F | Timing Chain Holders | 536186 & 536187 | J-44217-1 & J44217-2 |
| 2004-2005 | Chevrolet | Malibu Classic | 2.2L vin F | Timing Chain Holders | 536186 & 536187 | J-44217-1 & J44217-2 |
| 2002-2004 | Oldsmobile | Alero | 2.2L vin F | Timing Chain Holders | 536186 & 536187 | J-44217-1 & J44217-2 |
| 2002-2005 | Pontiac | Sunfire | 2.2L vin F | Timing Chain Holders | 536186 & 536187 | J-44217-1 & J44217-2 |
| 2002-2005 | Pontiac | Grand Am | 2.2L vin F | Timing Chain Holders | 536186 & 536187 | J-44217-1 & J44217-2 |
| 2000-2005 | Saturn | L Series | 2.2L vin F | Timing Chain Holders | 536186 & 536187 | J-44217-1 & J44217-2 |
| 2002-2006 | Saturn | Vue | 2.2L vin F | Timing Chain Holders | 536186 & 536187 | J-44217-1 & J44217-2 |
| 2003-2006 | Saturn | Ion | 2.2L vin F | Timing Chain Holders | 536186 & 536187 | J-44217-1 & J44217-2 |
| 2005-2006 | Chevrolet | Cobalt | 2.2L vin F | Timing Chain Holders | 536186 & 536187 | J-44217-1 & J44217-2 |
| 2005-2006 | Chevrolet | Cobalt | 2.0L | Timing Chain Holders | 536186 & 536187 | J-44217-1 & J44217-2 |
| 2005-2006 | Chevrolet | Cobalt | 2.4L vin B | Timing Chain Holders | 536186 & 536187 | J-44217-1 & J44217-2 |

AUTOMOTIVE SPECIAL TOOLS

GM Cam Tool Application Chart

GM In-line 4-Cylinder Cam Tool Application Chart for 6685 Note: Some applications require more than one tool to accomplish the task.

| Year | Make | Model | Engine | Tool Description | OTC PN | OE PN |
|-----------|------------|-----------------|------------|---------------------------------|--------------------|--------------------------|
| 2006 | Chevrolet | HHR | 2.4L vin B | Timing Chain Holders | 536186 & 536187 | J-44217-1 & J44217-2 |
| 2006 | Pontiac | G6 | 2.4L vin B | Timing Chain Holders | 536186 & 536187 | J-44217-1 & J44217-2 |
| 2006 | Pontiac | Pursuit | 2.4L vin B | Timing Chain Holders | 536186 & 536187 | J-44217-1 & J44217-2 |
| 2006 | Pontiac | Solstice | 2.4L vin B | Timing Chain Holders | 536186 & 536187 | J-44217-1 & J 44217-2 |
| 2004-2006 | Chevrolet | Colorado | 2.8L | Camshaft Sprocket Holding Tool | 536181 | J-44222 |
| 2004-2006 | GMC | Canyon | 2.8L | Camshaft Sprocket Holding Tool | 536181 | J-44222 |
| 2004-2006 | Chevrolet | Colorado | 2.8L | Camshaft Holding Tool | 536172 | J-44221 |
| 2004-2006 | GMC | Canyon | 2.8L | Camshaft Holding Tool | 536172 | J-44221 |
| 2002-2005 | Chevrolet | Cavalier | 2.2L vin F | Crankshaft Pulley Holder | 536178 | J-38122 |
| 2003-2006 | Chevrolet | Malibu | 2.2L vin F | Crankshaft Pulley Holder | 536178 | J-38122 |
| 2004-2005 | Chevrolet | Malibu Classic | 2.2L vin F | Crankshaft Pulley Holder | 536178 | J-38122 |
| 2002-2004 | Oldsmobile | Alero | 2.2L vin F | Crankshaft Pulley Holder | 536178 | J-38122 |
| 2002-2005 | Pontiac | Sunfire | 2.2L vin F | Crankshaft Pulley Holder | 536178 | J-38122 |
| 2002-2005 | Pontiac | Grand Am | 2.2L vin F | Crankshaft Pulley Holder | 536178 | J-38122 |
| 2000-2005 | Saturn | L Series | 2.2L vin F | Crankshaft Pulley Holder | 536178 | J-38122 |
| 2002-2006 | Saturn | Vue | 2.2L vin F | Crankshaft Pulley Holder | 536178 | J-38122 |
| 2003-2006 | Saturn | Ion | 2.2L vin F | Crankshaft Pulley Holder | 536178 | J-38122 |
| 2005-2006 | Chevrolet | Cobalt | 2.2L vin F | Crankshaft Pulley Holder | 536178 | J-38122 |
| 2005-2006 | Chevrolet | Cobalt | 2.0L | Crankshaft Pulley Holder | 536178 | J-38122 |
| 2005-2006 | Chevrolet | Cobalt | 2.4L vin B | Crankshaft Pulley Holder | 536178 | J-38122 |
| 2006 | Chevrolet | HHR | 2.4L vin B | Crankshaft Pulley Holder | 536178 | J-38122 |
| 2006 | Pontiac | G6 | 2.4L vin B | Crankshaft Pulley Holder | 536178 | J-38122 |
| 2006 | Pontiac | Pursuit | 2.4L vin B | Crankshaft Pulley Holder | 536178 | J-38122 |
| 2006 | Pontiac | Solstice | 2.4L vin B | Crankshaft Pulley Holder | 536178 | J-38122 |
| 1996-1998 | Buick | Skylark | 2.4L | Crankshaft Pulley Holder | 536178 | J-38122 |
| 1996-2002 | Chevrolet | Cavalier | 2.4L | Crankshaft Pulley Holder | 536178 | J-38122 |
| 1996-1998 | Oldsmobile | Achieva | 2.4L | Crankshaft Pulley Holder | 536178 | J-38122 |
| 1999-2001 | Oldsmobile | Alero | 2.4L | Crankshaft Pulley Holder | 536178 | J-38122 |
| 1996-2001 | Pontiac | Grand Am | 2.4L | Crankshaft Pulley Holder | 536178 | J-38122 |
| 1996-2002 | Pontiac | Sunfire | 2.4L | Crankshaft Pulley Holder | 536178 | J-38122 |
| 2004-2006 | Chevrolet | Aveo | 1.6L | Timing Belt Adjuster | 536173 | J-42492A |
| 2000-2002 | Saturn | SC-2,SL-2, SW-2 | 1.9L vin 7 | Camshaft Holding Tool | 536174 | J-43299 |
| 1999-2002 | Saturn | SC-2,SL-2, SW-2 | 1.9L vin 7 | Camshaft Timing Alignment Pins | 536254 | NA |
| 1999-2002 | Saturn | SC-2,SL-2, SW-2 | 1.9L vin 7 | Timing Chain Tensioner Retainer | 536255 | NA |
| 2004-2006 | Chevrolet | Colorado | 2.8L | Timing Chain Holder | 536265 | J-44217-46 |
| 2004-2006 | GMC | Canyon | 2.8L | Timing Chain Holder | 536265 | J-44217-46 |

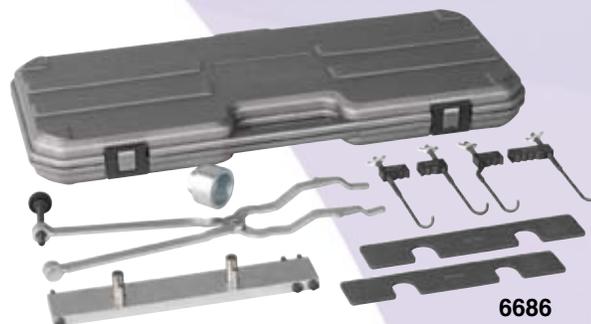
AUTOMOTIVE SPECIAL TOOLS

GM Cam Tool Application Chart

GM NorthStar V8 Cam Tool Set

- Kit is indispensable for quickly and correctly servicing GM NorthStar 4.0L and 4.6L V8 engines.
- Over one million NorthStar V8s have been sold since 1993; cylinder heads and valve trains tend to wear out somewhere between 80,000 to 120,000 miles.

No. 6686 – GM NorthStar V8 cam tool kit.
Wt., 5 lbs., 1 oz.



GM NorthStar V8 Cam Tool Application Chart for 6686 Note: Some applications require more than one tool to accomplish the task.

| Year | Make | Model | Engine | Tool Description | OTC PN | OE PN |
|------------|------------|------------------|------------|----------------------------------|--------|---------|
| 1993-1999 | Cadillac | Eldorado Seville | 4.6L | Cam Chain Tension Tool | 527048 | J-38822 |
| 1994- 1999 | Cadillac | Deville Concours | 4.6L | Cam Chain Tension Tool | 527048 | J-38822 |
| 2000-2002 | Cadillac | Eldorado | 4.6L | Crankshaft Rotating Tool | 527050 | J-39946 |
| 2000-2005 | Cadillac | Seville Deville | 4.6L | Crankshaft Rotating Tool | 527050 | J-39946 |
| 2004-2006 | Cadillac | XLR, SRX | 4.6L | Crankshaft Rotating Tool | 527050 | J-39946 |
| 2005-2006 | Cadillac | STS | 4.6L | Crankshaft Rotating Tool | 527050 | J-39946 |
| 2006 | Cadillac | DTS | 4.6L | Crankshaft Rotating Tool | 527050 | J-39946 |
| 2001-2003 | Oldsmobile | Aurora | 4.0L | Crankshaft Rotating Tool | 527050 | J-39946 |
| 2000-2002 | Cadillac | Eldorado | 4.6L | Camshaft Holding Tool | 527057 | J-44212 |
| 2000-2005 | Cadillac | Seville Deville | 4.6L | Camshaft Holding Tool | 527050 | J-44212 |
| 2004-2006 | Cadillac | XLR, SRX | 4.6L | Camshaft Holding Tool | 527057 | J-44212 |
| 2005-2006 | Cadillac | STS | 4.6L | Camshaft Holding Tool | 527057 | J-44212 |
| 2006 | Cadillac | DTS | 4.6L | Camshaft Holding Tool | 527057 | J-44212 |
| 2001-2003 | Oldsmobile | Aurora | 4.0L | Camshaft Holding Tool | 527057 | J-44212 |
| 2000-2002 | Cadillac | Eldorado | 4.6L | Secondary Drive Sprocket Fixture | 527058 | J-44213 |
| 2000-2005 | Cadillac | Seville Deville | 4.6L | Secondary Drive Sprocket Fixture | 527058 | J-44213 |
| 2004-2006 | Cadillac | XLR, SRX | 4.6L | Secondary Drive Sprocket Fixture | 527058 | J-44213 |
| 2005-2006 | Cadillac | STS | 4.6L | Secondary Drive Sprocket Fixture | 527058 | J-44213 |
| 2006 | Cadillac | DTS | 4.6L | Secondary Drive Sprocket Fixture | 527058 | J-44213 |
| 2004-2006 | Pontiac | Bonneville | 4.6L | Secondary Drive Sprocket Fixture | 527058 | J-44213 |
| 2006 | Buick | Lucerne | 4.6L | Secondary Drive Sprocket Fixture | 527058 | J-44213 |
| 2001-2003 | Oldsmobile | Aurora | 4.0L | Secondary Drive Sprocket Fixture | 527058 | J-44213 |
| 2004-2006 | Cadillac | SRX, STS, XLR | 4.6L VIN A | Timing Chain Retention Tools | 529636 | |
| 2004-2006 | Cadillac | SRX, STS, XLR | 4.6L VIN A | Timing Chain Retention Tools | 529637 | |
| 2004-2006 | Cadillac | SRX, STS, XLR | 4.6L VIN A | Timing Chain Retention Tools | 529638 | |
| 2004-2006 | Pontiac | Bonneville GPX | 4.6L VIN A | Timing Chain Retention Tools | 529636 | |
| 2004-2006 | Pontiac | Bonneville GPX | 4.6L VIN A | Timing Chain Retention Tools | 529637 | |
| 2004-2006 | Pontiac | Bonneville GPX | 4.6L VIN A | Timing Chain Retention Tools | 529638 | |

AUTOMOTIVE SPECIAL TOOLS

GM Cam Tool Application Chart



GM 6 Cylinder Cam Tool Set

- Required tools to adjust and hold cam shaft timing on GM 3.0 and 3.2 V-6 engines.
- Kit is designed to save shop time when servicing GM 3.0 and 3.2 V-6 engines.

No. 6687 – GM 6 cylinder cam tool set. Wt., 4 lbs., 13 oz.

GM 6-Cylinder Cam Tool Application Chart for 6687 Note: Some applications require more than one tool to accomplish the task.

| Year | Make | Model | Engine | Tool Description | OTC PN | OE PN |
|-----------|----------|--------|------------|-------------------------------|--------|------------|
| 2002-2003 | Cadillac | CTS | 3.2L vin N | Camshaft Locking Tool | 536594 | J-42069-1 |
| 1997-2001 | Cadillac | Catera | 3.0L vin R | Camshaft Locking Tool | 536594 | J-42069-1 |
| 2002-2003 | Cadillac | CTS | 3.2L vin N | Camshaft Locking Tool | 536595 | J-42069-2 |
| 1997-2001 | Cadillac | Catera | 3.0L vin R | Camshaft Locking Tool | 536595 | J-42069-2 |
| 2002-2003 | Cadillac | CTS | 3.2L vin N | Crankshaft Holding Tool | 536596 | J-42069-10 |
| 1997-2001 | Cadillac | Catera | 3.0L vin R | Crankshaft Holding Tool | 536596 | J-42069-10 |
| 2002-2003 | Cadillac | CTS | 3.2L vin N | Camshaft Alignment Gauge | 536608 | J-42069-20 |
| 1997-2001 | Cadillac | Catera | 3.0L vin R | Camshaft Alignment Gauge | 536608 | J-42069-20 |
| 2002-2003 | Cadillac | CTS | 3.2L vin N | Timing Belt Installation Tool | 536611 | J-42069-30 |
| 1997-2001 | Cadillac | Catera | 3.0L vin R | Timing Belt Installation Tool | 536611 | J-42069-30 |
| 2002-2003 | Cadillac | CTS | 3.2L vin N | Timing Belt Tensioner Wrench | 536612 | J-42069-40 |
| 1997-2001 | Cadillac | Catera | 3.0L vin R | Timing Belt Tensioner Wrench | 536612 | J-42069-40 |
| 2002-2003 | Cadillac | CTS | 3.2L vin N | Crankshaft socket | 536613 | MKM-602-21 |
| 1997-2001 | Cadillac | Catera | 3.0L vin R | Crankshaft socket | 536613 | MKM-602-21 |



GM In-line 5, 6, or V6 Cam Tool Set

- Comprehensive tool kit designed to save time when servicing GM 5-, 6-cylinder engines.
- Tools are actually easier to use than the original OE essential tools.

No. 6688 – GM In-line 5, 6, or V6 cam tool set. Wt., 17 lbs., 4 oz.

GM In-line 5, 6, or V6 Cam Tool Application Chart for 6688 Note: Some applications require more than one tool to accomplish the task.

| Year | Make | Model | Engine | Tool Description | OTC PN | OE PN |
|-----------|----------|------------|------------|------------------------------|-----------------|----------|
| 2005-2006 | Buick | Lacrosse | 3.6L vin 7 | Timing Chain Retention Tools | 536589 & 536590 | EN-46108 |
| 2004-2006 | Buick | Rendezvous | 3.6L vin 7 | Timing Chain Retention Tools | 536589 & 536590 | EN-46108 |
| 2004-2006 | Cadillac | CTS | 3.6L vin 7 | Timing Chain Retention Tools | 536589 & 536590 | EN-46108 |
| 2005-2006 | Cadillac | STS | 3.6L vin 7 | Timing Chain Retention Tools | 536589 & 536590 | EN-46108 |
| 2004-2006 | Cadillac | SRX | 3.6L vin 7 | Timing Chain Retention Tools | 536589 & 536590 | EN-46108 |
| 2004-2006 | Cadillac | CTS | 2.8L vin T | Timing Chain Retention Tools | 536589 & 536590 | EN-46108 |
| 2005-2006 | Buick | Lacrosse | 3.6L vin 7 | Crankshaft Turning Socket | 536588 | EN-46111 |
| 2004-2006 | Buick | Rendezvous | 3.6L vin 7 | Crankshaft Turning Socket | 536588 | EN-46111 |
| 2004-2006 | Cadillac | CTS | 3.6L vin 7 | Crankshaft Turning Socket | 536588 | EN-46111 |
| 2005-2006 | Cadillac | STS | 3.6L vin 7 | Crankshaft Turning Socket | 536588 | EN-46111 |

AUTOMOTIVE SPECIAL TOOLS

GM Cam Tool Application Chart

GM In-line 5, 6, or V6 Cam Tool Application Chart for 6688 Note: Some applications require more than one tool to accomplish the task.

| Year | Make | Model | Engine | Tool Description | OTC PN | OE PN |
|-----------|------------|-------------|-----------------------|--------------------------------|-----------------|----------|
| 2004-2006 | Cadillac | SRX | 3.6L vin 7 | Crankshaft Turning Socket | 536588 | EN-46111 |
| 2004-2006 | Cadillac | CTS | 2.8L vin T | Crankshaft Turning Socket | 536588 | EN-46111 |
| 2005-2006 | Buick | Lacrosse | 3.6L vin 7 | Timing Chain Tensioner Pins | 536587 | EN-46112 |
| 2004-2006 | Buick | Rendezvous | 3.6L vin 7 | Timing Chain Tensioner Pins | 536587 | EN-46112 |
| 2004-2006 | Cadillac | CTS | 3.6L vin 7 | Timing Chain Tensioner Pins | 536587 | EN-46112 |
| 2005-2006 | Cadillac | STS | 3.6L vin 7 | Timing Chain Tensioner Pins | 536587 | EN-46112 |
| 2004-2006 | Cadillac | SRX | 3.6L vin 7 | Timing Chain Tensioner Pins | 536587 | EN-46112 |
| 2004-2006 | Cadillac | CTS | 2.8L vin T | Timing Chain Tensioner Pins | 536587 | EN-46112 |
| 2005-2006 | Buick | Lacrosse | 3.6L vin 7 | Timing Chain Tensioner Tool | 536587 | J-45027 |
| 2004-2006 | Buick | Rendezvous | 3.6L vin 7 | Timing Chain Tensioner Tool | 536587 | J-45027 |
| 2004-2006 | Cadillac | CTS | 3.6L vin 7 | Timing Chain Tensioner Tool | 536587 | J-45027 |
| 2005-2006 | Cadillac | STS | 3.6L vin 7 | Timing Chain Tensioner Tool | 536587 | J-45027 |
| 2004-2006 | Cadillac | SRX | 3.6L vin 7 | Timing Chain Tensioner Tool | 536587 | J-45027 |
| 2004-2006 | Cadillac | CTS | 2.8L vin T | Timing Chain Tensioner Tool | 536587 | J-45027 |
| 2005-2006 | Buick | Lacrosse | 3.6L vin 7 | Camshaft Locking Tool | 536584 & 586585 | EN-46105 |
| 2004-2006 | Buick | Rendezvous | 3.6L vin 7 | Camshaft Locking Tool | 536584 & 586585 | EN-46105 |
| 2004-2006 | Cadillac | CTS | 3.6L vin 7 | Camshaft Locking Tool | 536584 & 586585 | EN-46105 |
| 2005-2006 | Cadillac | STS | 3.6L vin 7 | Camshaft Locking Tool | 536584 & 586585 | EN-46105 |
| 2004-2006 | Cadillac | SRX | 3.6L vin 7 | Camshaft Locking Tool | 536584 & 586585 | EN-46105 |
| 2004-2006 | Cadillac | CTS | 2.8L vin T | Camshaft Locking Tool | 536584 & 586585 | EN-46105 |
| 2002-2004 | Oldsmobile | Bravada | 4.2L vin S | Camshaft Holding Tool | 536172 | J-44221 |
| 2004-2006 | Buick | Rainier | 4.2L vin S | Camshaft Holding Tool | 536172 | J-44221 |
| 2002-2006 | Chevrolet | Trailblazer | 4.2L vin S | Camshaft Holding Tool | 536172 | J-44221 |
| 2002-2006 | GMC | Envoy | 4.2L vin S | Camshaft Holding Tool | 536172 | J-44221 |
| 2004-2006 | Chevrolet | Colorado | 3.5L vin 5 5 cylinder | Camshaft Holding Tool | 536172 | J-44221 |
| 2004-2006 | GMC | Canyon | 3.5L vin 5 5 cylinder | Camshaft Holding Tool | 536172 | J-44221 |
| 2004-2006 | Cadillac | CTS | 2.8L vin T | Camshaft Sprocket Holding Tool | 536181 | J-44222 |
| 2002-2004 | Oldsmobile | Bravada | 4.2L vin S | Camshaft Sprocket Holding Tool | 536181 | J-44222 |
| 2004-2006 | Buick | Rainier | 4.2L vin S | Camshaft Sprocket Holding Tool | 536181 | J-44222 |
| 2002-2006 | Chevrolet | Trailblazer | 4.2L vin S | Camshaft Sprocket Holding Tool | 536181 | J-44222 |
| 2002-2006 | GMC | Envoy | 4.2L vin S | Camshaft Sprocket Holding Tool | 536181 | J-44222 |
| 2004-2006 | Chevrolet | Colorado | 3.5L vin 5 5 cylinder | Camshaft Sprocket Holding Tool | 536181 | J-44222 |
| 2004-2006 | GMC | Canyon | 3.5L vin 5 5 cylinder | Camshaft Sprocket Holding Tool | 536181 | J-44222 |
| 2004-2006 | Cadillac | CTS | 2.8L vin T | Timing Chain Retention Tools | 536189 & 536187 | J-44217 |
| 2002-2004 | Oldsmobile | Bravada | 4.2L vin S | Timing Chain Retention Tools | 536189 & 536187 | J-44217 |
| 2004-2006 | Buick | Rainier | 4.2L vin S | Timing Chain Retention Tools | 536189 & 536187 | J-44217 |
| 2002-2006 | Chevrolet | Trailblazer | 4.2L vin S | Timing Chain Retention Tools | 536189 & 536187 | J-44217 |
| 2002-2006 | GMC | Envoy | 4.2L vin S | Timing Chain Retention Tools | 536189 & 536187 | J-44217 |
| 2004-2006 | Chevrolet | Colorado | 3.5L vin 5 5 cylinder | Timing Chain Retention Tools | 536189 & 536187 | J-44217 |
| 2004-2006 | GMC | Canyon | 3.5L vin 5 5 cylinder | Timing Chain Retention Tools | 536189 & 536187 | J-44217 |
| 2001-2004 | Chevrolet | Tracker | 2.5L | Timing Chain Tensioner Pin | 536586 | EN-46330 |
| 2001-2002 | Oldsmobile | Aurora | 3.5L vin H | Timing Chain Tensioner Pin | 536586 | EN-46330 |
| 1999-2002 | Oldsmobile | Intrigue | 3.5L vin H | Timing Chain Tensioner Pin | 536586 | EN-46330 |
| 2001-2002 | Oldsmobile | Aurora | 3.5L vin H | Camshaft Holding Tool | 527051 | J-42038 |
| 1999-2002 | Oldsmobile | Intrigue | 3.5L vin H | Camshaft Holding Tool | 527051 | J-42038 |
| 2001-2002 | Oldsmobile | Aurora | 3.5L vin H | Cam Gear Holding Fixture | 527052 | J-42042 |
| 1999-2002 | Oldsmobile | Intrigue | 3.5L vin H | Cam Gear Holding Fixture | 527052 | J-42042 |
| 2001-2002 | Oldsmobile | Aurora | 3.5L vin H | Crankshaft Socket | 527055 | J-43032 |
| 1999-2002 | Oldsmobile | Intrigue | 3.5L vin H | Crankshaft Socket | 527055 | J-43032 |
| 2004-2005 | Saturn | Vue | 3.5L vin 4 | Camshaft Holding Tool | 536583 | EN-46337 |
| 2004-2005 | Saturn | Vue | 3.5L vin 4 | Timing Chain Tensioner Pin | 536586 | EN-46330 |
| 2004-2005 | Saturn | Vue | 3.5L vin 4 | Timing Belt Tensioner Retainer | 536582 | EN-46331 |

AUTOMOTIVE SPECIAL TOOLS

Engine Service



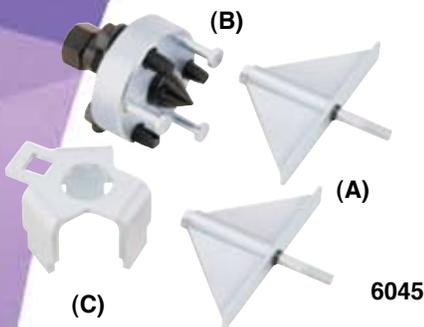
6024

Similar to Ford
No. 303-448.

Ford Crankshaft Positioning Tool

- Designed for use on Ford 1993–2004 4.2L, 4.6L 2-valve, 4.6L 4-valve, 5.4L V8, and 6.8L V10 engines when installing timing chains. These engines are not free-wheeling, and if an engine has “jumped time,” it is possible the cylinder heads have to be removed because of damage to the valves or pistons.
- Easily installs over the crankshaft and engine front cover alignment dowel to position the crankshaft at top-dead-center — the correct position for timing chain installation. OTC recommends the No. 6024 be used with Nos. 6009 and 6020 (but it is not required).

No. 6024 – Ford crankshaft positioning tool. Wt., 10 oz.



6045

Camshaft Timing Tools

- Indispensable for servicing timing belts on GM 3.4L V6 DOHC engine. Works on 1991–1996 Chevrolet Lumina and 1995–1997 Monte Carlo, 1991–1998 Olds Cutlass Supreme and Pontiac Grand Prix.
- Tool (A) holds the camshaft in the correct position; tool (B) is used to pull the cam gear from the camshaft; and tool (C) is used to turn the cam gear to time the camshaft.

No. 6045 – Camshaft timing tools. Wt., 3 lbs., 12 oz.



Similar to Miller
No. 6642

7999

Chrysler Camshaft Alignment Tool Set

These special brackets are necessary to ensure exact alignment of the camshaft sprockets during timing belt installation on all 1993–current LH vehicles with a 3.5L OHC engine.

No. 7999 – Chrysler camshaft alignment tool set. Wt., 8 oz.



Similar to
Miller No. MD-998767

7997

Chrysler Timing Belt Wrench

Correctly adjusts the timing belt tension on 1991–1994 3.0L DOHC Dodge Stealth, 1992–1994 Eagle Summit, 1992–1994 Dodge Colt, and 1984–1991 2.0L Dodge Colt. For use with a 1/4" drive ratchet.

No. 7997 – Chrysler timing belt wrench. Wt., 3 oz.



Similar to
Miller No. C-4703

7695

Chrysler Timing Belt Adjustment Wrench

Guessing at the correct tension on timing belts is bad news – for you and your customers. To make belt tension adjustment easier on Chrysler’s 2.2L and 2.5L engines, this wrench is a big help. It holds the tension on the belt for you, while you tighten the nut to the correct torque—eliminates over or under tightening. Plus, the weight can be shifted from one side of the wrench to the other to accommodate confining areas.

No. 7695 – Chrysler timing belt adjustment wrench.

Wt., 13 oz.

Universal Belt Tension Gauge

- Belt tension gauges are used to check drive belt tension on drive belts to ensure maximum belt and bearing life.
- Scale reads 30–180 inch lbs.

No. 6673 – Universal belt tension gauge.
Wt., 1 lb., 7 oz.



6673

Ford Spark Plug Socket

- This unique and patented design works on 2004–newer Ford vehicles with 5.4L, 4.6L, 5.4L, 3-valve Triton V8 & 6.8L Triton V10 engines.
- Socket end is 9/16". Soft rubber insert holds and protects spark plug during removal and installation.
- Extension is part of the socket. Easily fits down spark plug tube in cylinder head.
- Socket has a 3/8" drive for use with a ratchet or breaker bar.

No. 6900 – Ford F-150 spark plug socket, 5-7/8" long. Wt., 7 oz.



6900

5/8" & 13/16" Spark Plug Sockets

- Works on GM, Chrysler, Ford, and many import vehicles with 5/8" or 13/16" spark plugs.
- Socket end has a soft rubber insert to hold and protect the spark plug during removal and installation.
- Drive end is 3/8" for use with ratchet or breaker bar.

No. 6899 – 5/8" Spark plug socket, 4-7/8" long. Wt., 7 oz.

No. 6898 – 13/16" Spark plug socket, 4-7/8" long. Wt., 7 oz.



6899

6898

3-Piece Spark Plug Socket Set

This kit combines the most popular spark plug sockets. Each socket has a 3/8" drive end for use with a ratchet or breaker bar. Socket ends have soft rubber inserts to hold and protect the spark plug during removal and installation.

- No. 6898 works on GM, Chrysler, Ford, and many import vehicles with 13/16" spark plugs, 4-7/8" long.
- No. 6899 works on GM, Chrysler, Ford, and many import vehicles with 5/8" spark plugs, 4-7/8" long.
- No. 6900 works on 2004–newer Ford vehicles with 5.4L, 4.6L, 5.4L, 3-valve Triton V8 & 6.8L Triton V10 engines, 5-7/8" long.

No. 6897 – 3-piece spark plug socket set. Wt., 2 lbs., 2 oz.



6897

Ford Valve Spring Compressor Tool

Compresses valve springs for quicker, easier camshaft, valve seal, valve spring, or retainer service—because you don't have to remove the head from the engine first! It's an OEM-approved tool that you use with a 3/8" ratchet or breaker bar. Works on: 1991–2004 Ford vehicles with 4.6L, two-valve, V8 engines; 4.6 4V, 5.4 V8 and 6.8 V10.

No. 7928 – Ford valve spring compressor tool. Wt., 6 oz.

Similar to
Ford No. 303-567



7928

AUTOMOTIVE SPECIAL TOOLS

Engine Service



7786

Similar to
Ford No. 303-178
(T82L-6701-A)

Ford Rear Main Seal Installer

This installer is the most accurate way to ensure that the rear main seal is set to the correct depth on the crankshaft. The installer fits over the seal, and with the two bolts included, attaches to the engine crankshaft. By alternately tightening the bolts, the seal is pulled into place quickly, easily, and with no damage to the rear main seal. Works on 2.0L, 2.3L, 2.3L OHC, 2.5L, 2.5L OHC 4-cylinder engines; 3.0L 2V, 3.0L 4V, 3.4L SOHC, 3.8L, 3.8L SC V6 engines; 4.6L 2V, 4.6L 4V, 5.0L and 5.8L V8 engines.

No. 7786 – Ford rear main seal installer. Wt., 2 lbs., 4 oz.



7834

Similar to
Ford No. 303-5524

Ford Rear Crankshaft Seal Installer

- This installer works on crankshaft rear oil seals that come with or without a metal wear sleeve.
- Designed for use on 1993–1997 Aerostar or 1993–2006 Ranger and Explorer w/4.0L V6 engine

No. 7834 – Ford rear crankshaft seal installer. Wt., 1 lbs., 12 oz.



7943

GM Oil Pump Drive Removal Tool

On certain GM V6 engines, the oil pump drive is difficult to get at, making it a real hassle to remove it to repair o-ring leaks. This tool removes the oil pump drive from the engine without first having to remove the exhaust cross-over pipe or other components.

For 1987–89 2.8L V6 engines; 1990–94 3.1L V6 engines; 1994 and newer 3100 V6 engines; and 1999 and newer 3400 engines.

No. 7943 – GM oil pump drive removal tool. Wt., 8 oz..



7912

7911

GM Crankshaft Balancer Puller Kit and Adapter Set

Everything you need to pull harmonic balancers having three tapped holes. The shoulder bolts are designed to prevent them from being installed too deeply, protecting the crank sensor and/or interrupter rings from damage. The spacer adapter gives the puller's forcing screw something to push against. The kit works on 1990–2002 3300 and 3800 V6 engines. The No. 7911 adapter set consists of the spacer adapter and shoulder bolts only, for use with your No. 518 or No. 6930 flange-type puller.

No. 7911 – GM crankshaft balancer puller adapter set. Includes shoulder bolts and spacer adapter only. Wt., 8 oz.

No. 7912 – GM crankshaft balancer puller kit. Includes No. 518 flange-type puller and No. 7911 adapter set. Wt., 3 lbs., 2 oz.



6495

Chrysler Harmonic Balancer Holding Tool

- Designed as a holding ring with three pins to fit into the openings on a harmonic balancer.
- Use with a 1/2" ratchet or breaker bar to hold the harmonic balancer in place when turning the bolt that holds the balancer to the crankshaft. Also use to hold the balancer when removing it from the engine.
- Works on 1990–newer 3.3L V6 vans; 1994–newer 3.8L V6; 1993–1997 3.3L and 3.5L V6 cars; 1998–newer 2.7L, 3.2L, and 3.5L V6 cars.

No. 6495 – Chrysler harmonic balancer holding tool. Wt., 1 lb., 10 oz.

Harmonic Balancer Puller

Designed for removing damper pulleys in tight engine compartments, without removing the radiator. Use on the following:

- GM 2000 Generation III 4.8L, 5.3L, 5.7L 6.0L, and 8.1L V8s. Also works on Cadillac 4.5, 4.6, and 4.9L V8s beginning in 1988. Chevrolet trucks 2003–later 4.2L I6, 2004–current 3.5L I5 and 2005–current 2.8L I4.
- Chrysler engines from 1990–later, including 2.0L, 2.4L-4s; plus 2.5L, 2.7L, 3.3L, 3.5L, and 3.8L V6s.
- Ford 1995–later V8 engines with 3 spoke pressed on damper.
- Mitsubishi Eclipse 1995–1999 2.0L DOHC non-turbo.
- Kit contains the 3-jaw puller, four lengths of forcing rods, and a forcing screw with a 3/8" square drive for ratchet use, and a 3/4" hex for wrench or socket use.

Replacement rods:

No. 537757-4 – 5/16" x 4"

No. 537757-5 – 5/16" x 5-13/32"

No. 537757-6 – 5/16" x 6-1/2"

No. 537757-7 – 5/16" x 7.13/32"

No. 6667 – Harmonic balancer puller. Wt., 2 lbs., 11 oz.



6667

Harmonic Balancer Puller Set

- Includes No. 6267 puller, which removes the harmonic balancer from the crankshaft; and No. 6495 holding tool, which holds the harmonic balancer when tightening or loosening the crankshaft bolt, or removing the balancer.

No. 6284 – Harmonic balancer puller set, includes both the No. 6267 and the No. 6495 tools. Wt., 3 lbs., 7 oz.



6284

Chrysler Crankshaft Damper Remover/Installer Kit

The special 3-jaw puller is used with the insert to remove the crankshaft damper whenever timing belt, water pump, or front cover service is required. The tool kit includes a damper installing tool with bearing.

- Services Chrysler-built 2.0L, 2.4L, 2.5L, 3.3L and 3.5L engines.
- 1995–newer 3.3L and 3.5L V6 used in Chrysler New Yorker and Concorde, Dodge Intrepid, and Eagle Vision; 1995–newer 2.0L, 2.4L 4-cyl., and 2.5L V6 used in Cirrus, Stratus, and Breeze; 1995–newer 2.0L 4-cyl. used in Neon.

No. 6075 – Chrysler crankshaft damper remover/installer kit. Wt., 4 lbs., 8 oz.



6075

Distributor Bushing Remover

- Used to remove the distributor drive shaft lower bushing from the engine block.
- Works on Chrysler, Dodge, and Plymouth 3.9L V6, 5.2L and 5.9L V8 vehicles with distributors.

No. 6292 – Distributor bushing remover. Wt., 1 lb., 4 oz.

Similar to
Miller No. C-3054



6292

AUTOMOTIVE SPECIAL TOOLS

Engine Service



Distributor Bushing Installer/Reamer

- Used to install the distributor drive shaft lower bushing into the engine block. Then use this same tool to ream the new bushing so the distributor drive shaft correctly fits into the bushing.
- Works on Chrysler, Dodge, and Plymouth 3.9L V6, 5.2L & 5.9L V8 vehicles with distributors.
- Compatible with OEM and aftermarket distributor drive bushings.

No. 6293 – Distributor bushing installer/reamer. Wt., 2 lbs.



Compression Tester - Deep Well Connector

Use with OTC compression testers or other compression

Features and benefits:

- Solid steel 8" length shaft.
- Upper t-wing grip for ease of installation and removal.
- Popular 14 mm thread for both flat and tapered seat plugs.
- Corrosion resistant nickel plated finish.

No. 5603 – Compression tester – deep well connector. Wt., 15 oz.



Compression Tester Ford Adapter

Use with OTC compression testers to access hard to reach spark plug holes.

Features and benefits:

- Works on 2004 and newer Ford 4.6 and 5.4 L, 3 valve Triton™ V-8 engines. (Triton is a Registered Trade Mark of the Ford Motor Co.)
- Easy-to-turn feature makes starting thread fast.
- Use with compression testers with 14 mm thread.
- Patent pending.

No. 5607 – Compression tester Ford adapter. Wt., 15 oz.



Compression Tester Kit

Designed for complete compression testing on gasoline engines, including domestic, imports, motorcycles, marine, and small engines. Unique problem solving features for today's limited space engine compartments.

Features and benefits:

- Corrosion resistant nickel plated finish.
- Adapters work on both flat and tapered seat plugs.
- Extra long 25" flex hose gauge assembly with quick coupler, allows easy viewing out of cluttered engine compartment.
- 2-1/2" gauge features chrome bezel and rugged protective outer boot.
- Dual scale gauge reads 0-300 psi and 0-2100 kPa.
- 12" flex-14 mm standard reach.
- 12" flex-14 mm long reach.
- 10 mm, 12 mm, and 18 mm thread adapters.
- Rugged blow molded hard case with removable lid.
- Repair parts kit.

No. 5606 – Compression tester kit. Wt., 3 lbs., 11 oz.

Motorcycle Compression Tester Kit

Designed specifically for testing motorcycle and small engines, this kit features a specially designed compression gauge and hose assembly, plus three different size hose adapters. Compression Tester and hose lengths are designed for optimal viewing along side engine. Covers most popular motorcycle and small engine plug sizes.

Functions and Features:

- Corrosion resistant nickel plated finish
- 10" flex hose gauge assembly with quick coupler.
- 2-1/2" gauge features chrome bezel and rugged protective outer boot
- Dual scale gauge reads 0-300 psi and 0-2100 kPa
- 12" flex hose -14 mm standard/plus reach (extra length supports V-Twin applications)
- 12" flex hose -12 mm standard reach
- 12" flex hose -10 mm standard reach
- Rugged blow molded hard case with removable lid
- Repair parts kit

No. 5604 – Motorcycle compression tester kit. Wt., 3 lbs., 14 oz.



Deluxe Compression Tester Kit

Complete with standard and specialty adapters, this deluxe kit offers a complete package for compression testing on gasoline engines. Kit includes the deep well connector used on recessed plug well style heads and the new Ford Triton™ engine adapter using 16 mm thread plugs.

Functions and Features:

- Corrosion resistant nickel plated finish
- Adapters work on both flat and tapered seat plugs
- Extra long 25" flex hose gauge assembly with quick coupler, allows easy viewing out of cluttered engine compartment
- 2-1/2" gauge features chrome bezel and rugged protective outer boot
- Dual scale gauge reads 0-300 psi and 0-2100 kPa
- 8" deep well 14 mm connector
- 5" flex Ford Triton™ 16mm adapter
- 12" flex-14 mm standard reach
- 12" flex-14 mm long reach
- 10 mm, 12mm, and 18 mm thread adapters
- Rugged blow molded hard case with removable lid
- Repair parts kit

No. 5605 – Deluxe compression tester kit. Wt., 4 lbs., 10 oz.



Ford Triton is a Registered Trade Mark of the Ford Motor Company. Patent Pending

AUTOMOTIVE SPECIAL TOOLS

Engine Service



5609

Cylinder Leakage Tester Kit

Quickly diagnose internal engine problems such as bad rings, valves and leaking head gaskets. Kit come complete with adapters for most applications.

Features and benefits:

- Dual 2-1/2" gauges feature chrome bezel and rugged protective outer boot.
- Scales read 0-100 psi and 0-700 kPa.
- Pressure regulated manifold includes quick couplers.
- Long flex 24" 14 mm hose.
- 10 mm, 12 mm and 18 mm thread adapters.
- Blow molded hard case with removable lid.
- Detailed instruction chart.

No. 5609 – Cylinder leakage tester kit. Wt., 4 lbs.



5610

Transmission/Engine Oil Pressure Kit

The 5610 professional kit can be used for domestic and import applications. High and low pressure gauges make this kit useful for both transmission and engine work. Kit comes complete with adapter for most applications. Designed to be used for both static and on road testing.

Features and benefits:

- Large 3-1/2" gauges feature a chrome bezel and rugged protective outer boot.
- Low pressure gauge reads 0-100 psi and 0-700 kPa.
- High pressure gauge reads 0-400 psi and 0-2800 kPa.
- Both gauges include rear hook to allow gauge to be hung conveniently out of the way.
- Gauges and hose assembly incorporate quick couplers for easy disconnect.
- Kit includes 13 adapters and a detailed instruction manual.
- Blow molded hard case with removable lid.

No. 5610 – Transmission/engine oil pressure kit. Wt., 5 lbs., 3 oz.



5613

Vacuum/Pressure Gauge Kit

The 5613 is deal for testing vacuum lines and components. Accurately tests low-pressure fuel systems. Quickly diagnose internal engine problems such as bad rings, valves and leaking head gaskets. Kit comes complete with adapter for most applications. Pin point hard to find problems such as cracked lines, PCV, fuel pump, fuel filters and more.

Features and benefits:

- Large 3-1/2" gauge features a chrome bezel and rugged protective outer boot.
- Dual purpose gauge reads vacuum and pressure.
- Dual scale gauge reads 0-30 in. Hg vac and 0-70 cm Hg, also reads 0-15 psi and 0-100 kPa.
- Built in rear hook allows gauge to be hung at eye level.
- Adapters for most applications.
- Blow molded hard case with removable lid.
- Detailed instruction chart.

No. 5613 – Vacuum/pressure gauge kit. Wt., 3 lbs.

Universal Overhead Valve Spring Compressor

- Permits removal and installation of valve springs without removing the cylinder head on many cars and light trucks. Durable steel construction.
- Spring loaded offset jaws easily grip and compress valve springs.

No. 4573 – Universal overhead valve spring compressor. Wt. 1 lb.



4573

Large Valve Spring Compressor

- Designed to compress valve springs on overhead valve engines.
- Includes two valve spring adapters, which fit valve spring retainers up to 1" (25 mm) and 1-3/16" (30 mm).
- Unique, direct action compressor lever gives better visibility of valve spring retainers located in difficult access areas.
- Jaw opening of 1-3/8" to 5-5/8" (35 mm to 142 mm); throat clearance of 5-7/8" (150 mm).

No. 4572 – Large valve spring compressor. Wt. 5 lbs.



4572

Honda / Acura Crankshaft Damper Holding Tool

- Tool allows the technician to hold the crankshaft damper when tightening or loosening the crankshaft bolt.
- 50mm hex on holding tool.
- Works on the following Honda and Acura engines:

1990–1997 Honda Accord 2.2L 4 cyl.

1996–1997 Honda Accord 2.7L V6

1998–newer Honda Accord 2.3L 4 cyl. & 3.0L V6

1992–newer Honda Civic 1.6L 4 cyl.

1997–newer Honda CR-V 2.0L 4 cyl.

1993–1997 Honda Del Sol 1.6L 4 cyl.

2000–newer Honda Insight 1.0L 3 cyl.

1995–1997 Honda Odyssey 2.2L 4 cyl.

1998 Honda Odyssey 2.3L 4 cyl.

1999–newer Honda Odyssey 3.5L V6

1992–newer Honda Prelude 2.2L 4 cyl.

1992–1996 Honda Prelude 2.3L 4 cyl.

2000–newer Honda S2000 2.0L 4 cyl.

1997 Acura CL 2.2L 4 cyl.

1997–1998 Acura CL 3.0L V6

1998–1999 Acura CL 2.3L 4 cyl.

2000–newer Acura CL 3.2L V6

1990–1992 Acura Integra 1.6L 4 cyl.

1992–1993 Acura Integra 1.7L 4 cyl.

1993–newer Acura Integra 1.8L 4 cyl.

1991–1995 Acura Legend 3.2L V6

1996–newer Acura RL 3.5L V6

1995–newer Acura TL 3.2L V6

No. 4731 – Honda/Acura crankshaft damper holding tool.



4731

Flange Puller

Pulls harmonic balancers, timing gears, and parts having two or three tapped holes. Slotted holes in puller body permit cap screws to be positioned to handle bolt circle diameters from 1/2" to 4-5/8". Reach of puller is 4-1/4". Includes three cap screws (3/8"–24 x 3"), and three cap screws (3/8"–16 x 3").

No. 6930 – Flange puller. Wt., 3 lbs. 4 oz.



6930

AUTOMOTIVE SPECIAL TOOLS

Engine Service



7790

Flange-Type Puller Set – 48 Piece

- Versatile puller capable of removing a wide variety of components having tapped pulling holes, including harmonic balancers, gears, crankshaft pulleys, etc.
- Capable of handling 2- or 3-way bolt pulling applications.
- Works on many cars, pickups, SUVs, and small engines.
- Carries the OTC Lifetime Marathon Warranty® against defects in workmanship and material.

Contents of set:

- Puller flange: adapts to bolt circle dia. of 1-1/2" to 4-5/8".
- Forcing screw: 5-5/8" lg., 5/8-18 thread.
- Shaft protector: 1-3/16" dia. x 3/4" thick.
- Three each of the following flat washers: 1/4"; 5/16"; 3/8".
- Three each of the following bolt sizes:

| | |
|-----------------------|-----------------------|
| 1/4"-28 x 3" lg. | 3/8"-16 x 3" lg. |
| 5/16"-24 x 3" lg. | 3/8"-16 x 4-1/2" lg. |
| 5/16"-18 x 3-1/2" lg. | M8 x 1.25 x 45 mm lg. |
| 5/16"-18 x 6" lg. | M8 x 1.25 x 65 mm lg. |
| 3/8"-24 x 1-1/2" lg. | M8 x 1.25 x 90 mm lg. |
| 3/8"-16 x 2" lg. | M10 x 1.5 x 35 mm lg. |

No. 7790 – Flange-type puller set – 48 piece. Wt., 7 lbs., 3 oz.



6294

Flange-Type Puller Set

- Covers almost every car, pick-up, SUV, and small engine.
- Capable of handling almost every two- or three-way bolt pull possible.
- For use on a variety of jobs: harmonic balancers, steering wheels, crankshaft pulleys, and gears.
- OTC Lifetime Marathon Warranty® covers defects in workmanship or materials.
- Storage tray and detailed application chart included.
- Slotted holes in puller flange permit cap screws to be positioned to handle bolt circles from 1-1/2" to 4-1/4".

Contents of set:

- Three each of the following washer head bolts (Grade 8):

| | | |
|-------------------|--------------------|------------------|
| M8 x 1.25 x 90 mm | M8 x 1.25 x 45 mm | 1/4-28 UNF x 3" |
| M8 x 1.25 x 65 mm | 5/16-18 UNC x 3.5" | 5/16-24 UNF x 3" |
| 3/8-24 UNF x 1.5" | 3/8-16 UNC x 2" | 3/8-16 UNC x 3" |
| 3/8-16 UNC x 4.5" | M10 x 1.5 x 35 mm | |
- Special stepped bolts– 1990–2002 GM 3300-3800 V6 crankshaft pulleys.
- Two forcing screws: 6" long and 3" long.
- Two pointed forcing screw center tips.
- Two flat forcing screw center tips.

No. 6294 – Flange-type puller set. Wt., 6 lbs., 13 oz.



6505

Master Harmonic Balancer Installer

- 11 special adapters make this a complete master harmonic balancer installer set for most car and light truck applications.
- The heavy-duty 7/8" diameter forcing screw has internal threads to fit the threaded adapters.
- Plastic storage tray keeps set components organized for easy selection.

No. 6505 – Master harmonic balancer installer. Wt., 2 lbs., 13 oz.

Harmonic Balancer Puller/Installer Set

- For easy removal of most harmonic balancers and drive pulleys which are press-fitted onto the crankshaft. A bearing-centered circular 2/3-way puller flange and an assortment of metric and fractional bolts and adapters provide wide coverage.
- A heavy-duty, 3/4" dia. forcing screw is internally threaded to fit the eight adapters to install harmonic balancers. Adapter sizes included: M16 x 2.0, M14 x 1.5, M12 x 1.5, 3/4"-16, 5/8"-18, 9/16"-18, 1/2"-20 and 7/16"-20.
- A blow-molded plastic storage case keeps set contents organized and protected from loss.

No. 4531 – Harmonic balancer puller/installer set. Wt., 8 lbs., 13 oz.



BMW Head Bolt Socket

- Socket is designed to fit in the cylinder head on M42 and M50 engines to remove and install cylinder head bolts.
- Spring loaded detent ball holds bolt in place.
- Works with 1/2 inch ratchet, breaker bar, or torque wrench.
- Socket size is E12 for external TORX® bolts.

No. 5940 – BMW head bolt socket. Wt., 8 oz.



Toyota Head Bolt Socket

- Specially designed socket is needed to tighten or loosen head bolts on Toyota Paseo vehicles with 3S-GE and 3S-FE engines.
- 8 mm socket features a 12-point, 1/2 inch drive socket.

No. 6022 – Toyota head bolt socket. Wt., 13 oz.



Similar to Toyota
No. 09043-50080

Universal Pulley Holder

- Universal design fits many different size pulleys having slots or holes, such as camshaft pulleys or crankshaft pulleys.
- Wrench is adjustable from 1-1/2" to 8-5/8"; four different size step pins are interchangeable.
- Long handle enables technician to easily hold the pulley when tightening or loosening retaining bolts.

No. 4754 – Universal pulley holder. Wt., 4 lbs., 15 oz.



Serpentine Belt Tool

- Fits tensioner pulleys with 13 mm–16 mm, 18 mm hex or 3/8" and 1/2" square drives.
- For hard to access tensioners; there are 13 mm and 15 mm 12-point wrenches built into the handle.
- 13 mm, 14 mm and 15 mm crows foot wrenches also included.

No. 4645 – Serpentine belt tool. Wt., 4 lbs., 13 oz.



AUTOMOTIVE SPECIAL TOOLS

Engine Service

Engine Preluber Kit

- Ensures oil is present to internal engine components on the first start of a new or rebuilt engine, or after major engine work is performed.
- Required to prime the oil pump and fill the oil galleries and internal engine components with clean, new oil.
- Connects to engine oil system at the oil pressure sensor on a variety of domestic and import engines.
- Oil pressure sensor adapters included.

No. 6492 – Engine preluber kit. Wt., 2 lbs., 5 oz.



Variable Pin Spanner Wrench

- Universal design fits many different types of pulleys having slots or holes, including camshaft pulleys and crankshaft pulleys.
- Wrench is adjustable from 1-1/4 inch to 5 inches; works with a 1/2 inch drive ratchet or breaker bar.

Replacement Parts:

| | |
|--------------------------|-------------------------|
| 526908-1..... 3.5 mm pin | 526908-5..... 6 mm pin |
| 526908-2..... 4 mm pin | 526908-6..... 7 mm pin |
| 526908-3..... 4.5 mm pin | 526908-7..... 10 mm pin |
| 526908-4..... 5 mm pin | 526908-8..... Handle |

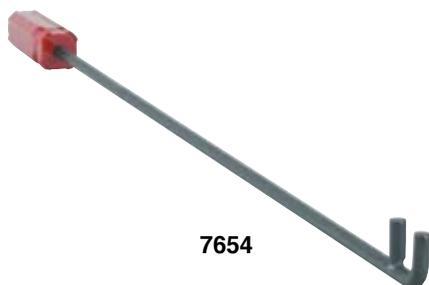
No. 6613 – Variable pin spanner wrench. Wt., 2 lbs.



Belt Installation Tool

With this tool and the correct serpentine belt tool for the job, installing those almost impossible serpentine belts is a lot less frustrating and time-consuming. The two-pin hook end holds the belt for precise placement, and the handle gives you the grip you need to maneuver it around the pulleys easier. It's also a handy tool to have around for installing V-belts and timing belts that are never in easy-to-reach places. 25" long.

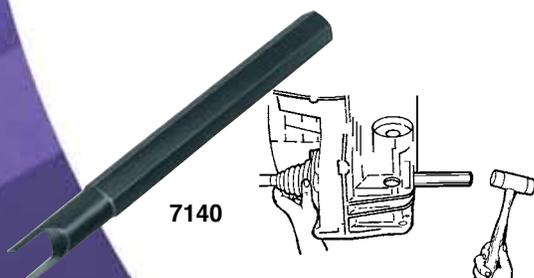
No. 7654 – Belt installation tool. Wt., 10 oz.



Ford Halfshaft Remover/Differential Rotator

No. 7140 is essential when removing the left-hand halfshaft from Escort/Lynx transaxles. It ensures correct removal and allows the technician to turn the differential.

No. 7140 – Ford halfshaft remover/differential rotator. Wt., 1 lb., 13 oz.



Delco Alternator Insulator Wrench

Getting the positive battery wire off the back of Delco alternators should be a quick and easy job. But if you turn the nut holding the battery wire and don't keep the terminal stud from twisting, there's a good chance the insulator will break. Keep a simple job simple with the No. 7780 insulator wrench. It steadies the insulator block on new Delco CS and older Delco SI alternators found on many GM vehicles (1972 and newer), and 1975–90 AMC and Jeep vehicles.

No. 7780 – Delco alternator insulator wrench. Wt., 3 oz.



7780

Frost Plug Installer Set

- Designed to install frost plugs in liquid-cooled gas and diesel engines found in automobiles, trucks, SUVs, agricultural equipment, and construction equipment.
- Simply use an air hammer with the driver and appropriate disc to install frost plugs ranging from 1" to 2-1/16" in diameter.

Set contains: No. 4604-1 Driver (14" lg.); No. 4604-2 Frost Plug Disc Set (3 qty.).

No. 4604 – Frost plug installer set. Wt., 1 lb., 13 oz.



4604

Frost Plug Remover/Installer Set

- Designed to remove and install frost plugs used in liquid-cooled gas and diesel engines found in automobiles, trucks, SUVs, agricultural equipment, and construction equipment.
- Simply use a hammer with the driver and appropriate disc to install frost plugs ranging from 1" to 2-3/8" in diameter.

Set contains: No. 4603-1 Installer Handle (18" lg.); No. 4604-2 Frost Plug Remover; No. 4604-3 Frost Plug Disc Set (7 ea., plus 1 retaining nut).

No. 4603 – Frost plug remover/installer set. Wt., 6 lbs.



4603

Glow Plug Remover

Set includes 10 mm and 12 mm split nuts, three spacers (3/16", 1/4", and 5/16"), plastic storage/organizer case and instructions. The 10 mm split nut will work on Ford 6.9L and 7.3L diesels; GM 5.7L, 6.2L, and 6.5L diesels; and various diesels in import vehicles. The 12 mm split nut works on various diesels in import vehicles, plus many agricultural and construction diesel applications.

No. 6005 – Glow plug removal tool. Wt., 5 oz.



6005

Fuel Injector Nozzle Puller

- Pulls fuel injection nozzles on Ford 6.9L/7.3L and Navistar DT466/9L diesel engines.
- Slide hammer action gives an even, straight pull on the nozzle for fast, easy removal.
- Puller nut screws onto injector nozzle inlet port.

No. 7454 – Fuel injector nozzle puller. Wt., 1 lb., 15 oz.



7454

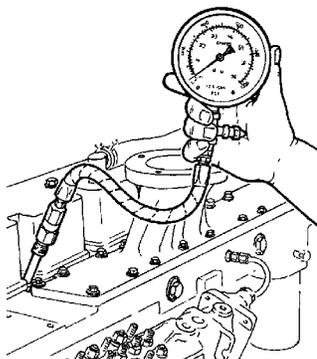
AUTOMOTIVE SPECIAL TOOLS

Engine Service



5020

Similar to
Ford No. 303-D091
(D93T-6000-A)



Diesel Compression Tester with Adapters

Easy-to-use compression tester is designed specifically for medium-duty diesel engines equipped with glow plugs. Dual reading gauge measures compression to 1000 psi and 7000 kPa. Gauge has a push-button release valve and quick disconnect fittings on the hose end. Tester comes with all the necessary glow plug and nozzle adapters in a handy storage case.

Tester services these engines:

- Cummins B and C
- Navistar DT466/DT360
- Ford/Navistar 6.9 & 7.3L
- GM 6.2L and 6.5L
- Hino diesel and Mitsubishi Fuso truck engines

No. 5020 – Diesel compression tester with adapters. Wt., 7 lbs., 13 oz.

Replacement Adapters (available separately):

No. 47484 – Hino diesel truck engines with 12 mm x 1.25 threads.

No. 209633 – Ford 6.6L & 7.8L diesels.

No. 217791 – Cummins B & 5.9L.

No. 308472 – Mitsubishi Fuso truck 4D & 6D engines with 10 mm x 1.25 threads.

No. 310810 – Cummins C.

No. 310832 – Ford/Navistar 6.9 & 7.3L, Detroit 6.2L with 10 mm x 1.0 threads.

No. 310840 – Navistar DT466/DT360.



5021

Similar to
Ford No. 303-D092
(D93T-6000-B)

Universal Diesel Engine Compression Gauge

Works on any diesel engine to test compression up to 1000 psi and 7000 kPa. Features include a check valve, push button compression release, and a quick disconnect fitting on the hose end. Straight and 45° hose connectors are included.

No. 5021 – Universal diesel engine compression gauge. Wt., 1 lb., 8 oz.

No. 304802 – Replacement gauge. Wt., 8 oz.



6076

Ford Diesel Compression Test Adapter

When the glow plug is removed from the cylinder, this adapter is used to connect the No. 5021 gauge to perform a compression test.

- Works on 1994–newer Ford vans and pickups with 7.3L direct-injected turbocharged (DIT) diesel engine.

No. 6076 – Ford diesel compression test adapter. Wt., 5 oz.



6660

Compression Tester

- Use with OTC No. 5021 diesel engine compression gauge.
- Works on 2003-2006 Ford vans and trucks with 6.0L diesel engines.

No. 6660 – Compression tester. Wt., 7 oz.

Ford Rear Main Oil Seal Kit

- Works on 1994–2003 7.3L diesel engine in Ford 3/4- and 1-ton trucks.
- A complete kit with the tools you need to correctly remove and install the rear main oil seal and wear ring on the crankshaft.
- Eliminates makeshift methods of seal removal and installation that could damage the new seal or crankshaft.

No. 7835 – Ford rear main oil seal kit. Wt., 7 lbs.



Ford 5-pin Connector Harness for Glow Plug Testing

- Provides an easy way to check glow plug resistance without having to remove the valve cover of 1994–98 Ford trucks and vans with 7.3L DIT (direct-injected turbocharged) diesel engines.
- Used with any standard digital volt ohmmeter to check glow plug resistance.

No. 6088 – Ford 5-pin connector harness for glow plug testing. Wt., 3 oz.



Ford 9-pin Connector Harness for Glow Plug Testing

- Permits testing glow plug resistance without having to remove the valve cover of 1998-1/2 thru 2003 Ford trucks and vans with 7.3L DIT (direct-injected turbocharged) diesel engines.
- Use with any standard digital volt ohmmeter to check glow plug resistance.

No. 6089 – Ford 9-pin connector harness for glow plug testing. Wt., 4 oz.



Ford Oil Line Disconnect Tool for 6.0 L

- Use to disconnect the high-pressure oil rail supply line from the fuel rail when removing fuel injectors.
- Works on the 6.0: diesel engine found in 2003–newer F-250, F-350, F-450, and F-550 trucks, and Ford Excursions.

No. 6594 – Ford oil line disconnect tool for 6.0 L. Wt., 5 oz.

Similar to
Ford No. 303-755

6594



AUTOMOTIVE SPECIAL TOOLS

Engine Service

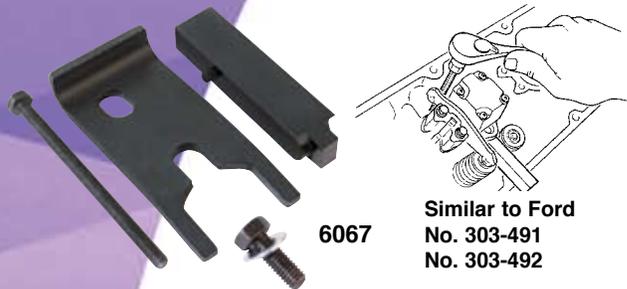


Similar to Ford
303-625

Ford High Pressure Oil Line Disconnect Tool

- Use to disconnect the high pressure oil line from the cylinder head.
- Works on 1998 - 2003 Ford vans and trucks with 7.3L direct-injected, turbo-charged (DIT) diesel engines.

No. 6595 – High pressure oil line disconnect tool.
Wt., 3 oz.



Similar to Ford
No. 303-491
No. 303-492

Ford Injector Remover / Installer Kit

- Removes and installs injectors without damaging the injector or cylinder head.

Application: 1994–2003 Ford 3/4- and 1-ton trucks, Super Duty trucks, and vans with 7.3L direct-injected turbocharged (DIT) diesel engine.

No. 6067 – Ford injector remover/installer kit.
Wt., 6 oz.



Similar to
Miller No. 8318

6069

Cummins Diesel Fuel Injector Remover Kit

Kit contains a fuel injector connector tube remover and fuel injector puller. The fuel injector connector tube must be removed before removal of the injector, or both will be damaged.

Application: 1998-1/2–2002 Dodge pickups and vans with 5.9L 24-valve Cummins diesel turbo engine.

No. 6069 – Cummins diesel fuel injector remover kit.
Wt., 8 oz.



Similar to
Kent-Moore J-41089

6087

Similar to
Kent-Moore J-41711

GM Injection Pump Wrench Set

- Use to loosen or tighten injection pump retaining bolts whenever pump timing adjustment or pump service is required. Services 1996–1999 GM full-size 2- and 4-wheel drive trucks, vans, and Suburbans with 6.5L diesel engine.
- Two specially bent wrenches are needed, due to the location of the throttle, cruise control, T.V. cable bracket, cooling system crossover pipe and bracket, and the thermostat housing on vans and pickups.
- Wrenches are 15 mm, 12-point, double box-end type.

No. 6087 – GM injection pump wrench set. Wt., 1 lb.



5060

Detroit Diesel Injector Socket

Used on GM 6.2L and 6.5L engines. This 30 mm socket ensures proper fit during nozzle removal and installation. The 3/8" square drive and 7/8" hex permit easy access in tight quarters, and prevent damage to nozzle and related components.

No. 5060 – Detroit diesel injector socket. Wt., 8 oz.

Cummins Engine Barring Tool

Need to manually rotate an engine? This tool makes the job easy. Just insert the tool into the flywheel housing until it engages the ring gear, then attach a 1/2" square drive ratchet or breaker bar and turn. The tool's load-bearing collar provides friction-free operation while rotating the tool in the housing.

- Works on Cummins B and C series diesel engines and 5.9L liter diesels used in Dodge pickups.

No. 7471A – Cummins engine barring tool. Wt., 11 oz.



7471A

Master Cummins Diesel Fuel Injection Test Kit

Includes the fittings and gauge needed to check fuel pressure, fuel volume, and fuel restrictions from the delivery pump to the injection pump.

Contents:

- No. 518501 - Special quick-disconnect banjo fitting (M14 x 1.5 male).
 - No. 7915 - Two fuel injection quick-coupler adapters.
 - No. 518493 - Quick-disconnect banjo fitting (M12 x 1.5 male).
 - No. 223336 - Gauge assembly.
 - No. 6082 - Fuel volume test adapter.
 - No. 6078 - Diesel fuel inlet restriction test adapter.
- For 1988–98 Dodge pickups and vans with 5.9L 12-valve, and 1998-1/2–newer 5.9L 24-valve Cummins diesel engines.

No. 6080 – Master Cummins diesel fuel injection test kit. Wt., 5 lbs.



6080

Cummins Diesel Fuel Volume Test Adapter

Used to perform fuel volume test of fuel transfer pump. Fuel volume is as important as fuel pressure. Pump may pass pressure test, but fail volume test. No. 6082 fitting is threaded into transfer pump. The end of the 2 ft. tubing is placed into a container for fuel to be measured.

This adapter is included in OTC Master Kit No. 6080.

Application: 1994–1998-1/2 Dodge pickups and vans with 5.9L 12-valve Cummins diesel engine.

No. 6082 – Cummins diesel fuel volume test adapter. Wt., 3 oz.



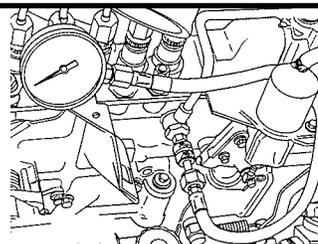
6082

Special Quick-Disconnect Banjo Fitting

Adapter fitting (M14 x 1.5 male) is used to check fuel pressure from the delivery pump to the injection pump. Used with gauge assembly of OTC set No. 6079. Has quick-connect schrader valve on end of fitting for safety and ease of hook-up to gauge. Included in OTC kit No. 6080.

Application: 1996–1998-1/2 Dodge pickups and vans with 5.9L 12-valve Cummins engine.

No. 518501 – Special quick-disconnect banjo fitting. Wt., 3 oz.



518501

AUTOMOTIVE SPECIAL TOOLS

Coolant Exchange

Works on both pressurized and non-pressurized cooling systems



10-Minute Exchange Process

COOLTECH
75700 COOLXCHANGE



Back View:
7-gallon capacity supply tanks allow storage of different coolants.



75700

Specifications:

Power Supply – 90 psi shop air

Tanks – Internal waste – 15-gallon capacity
– External supply (2) 7-gallon capacity (removable)

Dimensions: 47" H x 26" W x 33" D (119 cm x 66 cm x 84 cm)

Medium Step Adapter Two included;
fits hose size 1-1/4", 1-3/8", and 1-1/2"

Large Step Adapter Two included;
fits hose size 1-3/4", 2", and 2-1/4"

Coolant Exchange Unit

Designed with the user in mind.

Increase Your Profits

- Our 10-minute exchange process means no more waiting for the engine to warm up!

Safety First

- Our "engine off" feature removes pulleys, belts, and fan blades from the safety equation.
- No additional ventilation required.
- Vacuum mode creates a "push/pull" exchange process allowing the technician to safely remove high pressure in a hot system.
- "Hands-off" transfer of used coolant to a bulk tank prevents spills and helps protect the technician.

Simple to Operate

- Two clearly marked valves and an easy-to-read gauge make this machine very simple to use.
- Sight glass clearly shows the amount of coolant in the waste tank.
- One valve controls the flow of coolant; process is easy to understand—no special training needed.
- No electricity required. 90 psi shop air drives the exchange process, as well as the 2 gpm pump on the waste tank.

Designed to Survive

- Impact-resistant polypropylene cabinet will not scratch or dent vehicle.
- Cabinet is impervious to chemicals commonly used in the shop.
- Large, inflatable tires carry a well-balanced platform easily across any shop floor.
- Easy to maneuver between bays and vehicles.

Extra Design Features

- Two external new coolant supply tanks allow on-board storage of two different coolant types.
- Graduations on tanks show user the amount of new coolant on board.
- On-board storage of step adapters.
- Adapter kit included.
- No hoses to cut.
- 96" hoses can be neatly stored on unit.
- One-year warranty.

No. 75700 – Coolant exchange unit. Wt., 180 lbs.

No. 75115 – Replacement coolant 5-gallon tank.

No. 75360 – Heavy-duty adapter kit. Links the two tanks for 14 gal. capacity to service class A vehicles. (Note: must have 7-gallon tank No. 75370).

No. 75370 – Replacement coolant 7-gallon tank.

No. 17490 – Protect your investment with a heavy-duty vinyl dust cover. Features corded seams for durability; medium gray color with CoolTech logo.



Coolant and Battery Refractometer

This can be used for measuring the freezing point of either propylene and ethylene glycol based cooling systems. It can also be used for checking the strength of electrolyte solution in batteries. This precision instrument features high quality optics with ultra smooth focusing on the body. Coolant scale range: 32° F/0° C to -60° F/ -51° C.

No. 75240 – Coolant and battery refractometer (C & F scales). Wt., 12 oz.

75240



Econo-Clean Coolant Service Accessories

To ensure coolant will provide adequate protection to the vehicle, the coolant should be adjusted to the manufacturer's specifications. These accessories will help you quickly test coolant.

No. 75133 – Pocket pH pen – Quickly shows the pH of the coolant, whether used or recycled. Wt., 7 oz.

No. 75134 – Coolant test strips – Just dip a strip in coolant and it shows the freeze point and the pH; bottle of 50 strips. Wt., 15 oz.

No. 75234 – 3-way heavy-duty truck coolant test strips – shows pH, freeze point, and nitrite (0–4000 ppm), pH <7.5–11+, glycol 0–60%. Wt., 1 lb.

75133

75234

75134



Coolant Refiller

- 26" Hg vacuum refills cooling system without air lock.
- Eliminates the need for "bleeding."
- Checks for system leaks and utilizes OEM approved technology.
- Universal "fits all" cone adapter.
- Built-in gauge protector.

No. 75260 – Coolant refiller. Wt., 1 lb., 12 oz.

75260



Radiator Coolant Dye

- Pinpoint leaks in radiators, hoses/fittings, water pumps, and head gaskets.
- Extended-life dye is specifically formulated for use in extended-life coolants. This eliminates the color distortion problem found in the existing regular radiator coolant dye when mixed with extended-life coolant.
- Extended-life dye is for use with red, orange, or yellow extended-life coolants.
- Each bottle services one vehicle.

No. 16266 – Extended-life radiator coolant dye. Six (1 oz./30 ml) bottles. Wt., 8 oz.

No. 16255 – Standard radiator coolant dye. Six 1/4 oz. (7.5 ml) bottles. Wt., 4 oz.

16266

16255



AUTOMOTIVE SPECIAL TOOLS

Coolant Service



Cooling System Pressure Tester

Now you can pressure test the cooling system on most cars, light commercial trucks, motorcycles, and even marine applications. The tester's universal fit eliminates the need for multiple adapters.

Note: Will not work on Saturn and Kia cars or Jeep with the plastic reservoir.

No. 7991 – Cooling system pressure tester.
Wt., 3 lbs., 2 oz.

No. 70600-96 – Replacement bladder.
Wt., 1 oz.



Hose Clamp Pliers Set (2 piece)

- Includes a cross-slotted jaw pliers and a wide, flat-band hose clamp pliers. Services most ring-type or flat-band hose clamps.
- The clamps are held open with a ratchet locking mechanism. Jaws swivel to access hose clamps in any position.

No. 4502 – Hose clamp pliers set. Wt., 1 lb., 3 oz.



Hose Clamp Pliers Set

- Contains five different styles of hose clamp pliers, which will service most flat-band and ring-style hose clamps. Also contains a hose removal tool.

Set Contains:

- Straight hose clamp pliers set
- Hose removal tool
- Flat-type hose clamp pliers
- Offset hose clamp pliers
- 45° hose clamp pliers

No. 4496 – Hose clamp pliers set.
Wt., 3 lbs., 13 oz.



Vacuum Hose and Fuel Line Removal Tool

- Designed to remove vacuum hose or fuel lines (3/16" to 1/2") from fittings or tubing.
- Simply place the black jaw on the fitting or tubing – the jaw will grip the material. Then use the silver jaw to push the vacuum hose or fuel line off the fitting or tube.

No. 4522 – Vacuum hose and fuel line removal tool.
Wt., 3 oz.

Offset Hose Clamp Pliers

- Head is offset from handle to allow access to hard-to-reach clamps.
- Swivel jaws allow pliers to be used on many different flat-band and ring-type hose clamps.

No. 4523 – Offset hose clamp pliers. Wt., 5 oz.



4523

45° Hose Clamp Pliers

- Jaws are bent at a 45° angle and pliers tips swivel to allow easy access to confined areas.
- Ratchet lock mechanism holds jaws open.
- Works on most flat-band hose clamps.

No. 4524 – 45° hose clamp pliers. Wt., 5 oz.



4524

Flexible Hose Clamp Pliers

- Allows technician to access the flat-type hose clamps located in hard-to-access areas.
- Pliers has locking mechanism to hold clamp in the open position – makes removal and installation of clamp much easier.
- Heavy-duty, 24" cable flexes to almost any position.

No. 4525 – Flexible hose clamp pliers. Wt., 5 oz.



4525

Hose Removal Tool

- Unique tip easily fits between hose and fitting to break stubborn hoses loose.
- Large handle provides a good grip on tool during hose removal.
- Works on radiator hoses, heater hoses, transmission lines – any place a rubber hose is clamped to a fitting.

No. 4521 – Hose removal tool. Wt., 7 oz.



4521

AUTOMOTIVE SPECIAL TOOLS

Water Pump & Multipurpose Cleaning Gun

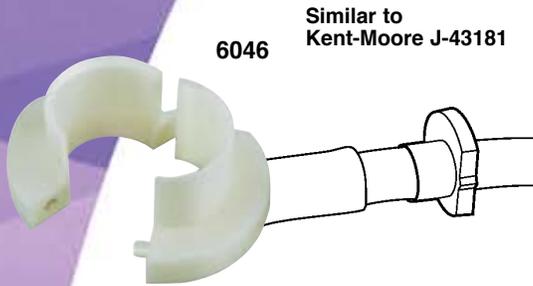


6060A

GM Water Pump Socket

- Works on 1993–newer Cadillac 4.6L V8 Northstar engine, and 1995–1999 Oldsmobile Aurora 4.0L V8.
- 1/2" sq. drive for use with 1/2" drive breaker bar or ratchet.
- Tool is designed to self-center in the water pump housing, allowing the tangs to fully engage the water pump for removal or installation.

No. 6060A – GM water pump socket. Wt., 2 lbs., 10 oz.



6046

Similar to
Kent-Moore J-43181

GM Heater Line Quick-Connect Release Tool

- Specially designed for separating quick-connect fittings on heater lines of 1999–2006 Chevy and GMC C/K trucks.
- Tool snaps around the hose and simultaneously depresses the locking tabs to disengage the fitting.

No. 6046 – GM heater line quick-connect release tool. Wt., 2 oz.



7784

Similar to Ford
No. 303-249
(T92P-70010-AH)

Ford Gear-Position Sensor Adjuster

When you're adjusting the manual-lever position sensor on a Ford automatic transmission, this tool gets the detent setting right the first time.

- For use on E40D, AXOD-E, AX4N, AX4NS, C6, and AOD-E automatic transaxles and transmissions.

No. 7784 – Ford gear-position sensor adjuster. Wt., 2 oz.



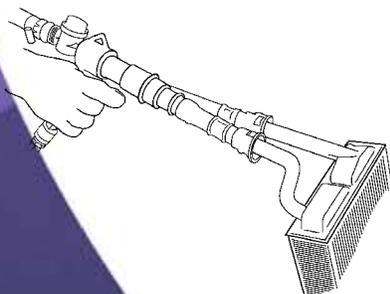
6043

"Blast-Vac" Multipurpose Cleaning Gun

- Perfectly suited for quick and efficient cooling system flushing. Simply attach it to radiator or heater hoses and you're in business.
- Also usable in washing engines and even shop floors.
- Two simple connections: one to shop air and one to a typical water faucet.
- No. 6043 creates a unique vortex air/water blast for powerful cleaning applications.
- The tool can also be used to vacuum by turning the venturi inside the gun in the opposite direction. Air flow is reversed to create a strong vacuum.

Note: While normal water pressure will handle the majority of a cooling system flush, short blasts are sometimes needed to loosen some contaminants from within the system.

No. 6043 – "Blast-Vac" multipurpose cleaning gun. Wt., 13 oz.



Fan Clutch Wrench Master Set

Conventional wrenches are just too wide for the job of removing the fan clutch assembly on some engines. Here's the solution: You hold the fan clutch stationary with the clutch holder tool, and turn the fan clutch nut with the special wrench. Most wrenches feature a square drive for attaching a breaker bar for extra torque. Time savers when replacing water pumps, or for any other front engine service in body or repair shops. Holding tools and wrenches are available individually and in sets (see chart on next page).

No. 7885 – Fan clutch wrench master set – Includes all individual components except Nos. 7925-1, 7925-2, and 6068. Includes molded carrying case. Wt., 16 lbs.



7885

Individual Holding Tools, Wrenches, and Sets

Individual Components

- No. 7204E1** – Holding tool. 2-1/4" (57 mm). Wt., 14 oz.
- No. 7204E2** – Wrench. 1-7/16" (36 mm). Wt., 1 lb., 14 oz.
- No. 7205E1** – Holding tool. 3-1/4" (82 mm). Wt., 1 lb., 8 oz.
- No. 7205E2** – Wrench. 1-7/8" (47 mm). Wt., 3 lbs., 10 oz.
- No. 6068** – Wrench. 1-7/8" (47 mm). Wt., 2 lbs., 8 oz.
- No. 7818** – Holding tool. 2-1/8" (54 mm). Wt., 1 lb., 8 oz.
- No. 7823** – Wrench. 1-9/16" (39 mm). Wt., 1 lb., 11 oz.
- No. 7855** – Holding tool. 2-3/8" (60 mm). Wt., 14 oz.
- No. 7887** – Holding tool. 3" (76 mm). Wt., 1 lb., 8 oz.
- No. 7925-1** – Wrench. 2" (51 mm). Wt., 2 lbs.
- No. 7925-2** – Holding tool. 2-1/4" (57 mm). Wt., 2 lbs., 5 oz.

Sets:

- No. 7204E Set** – (7204E1 & 7204E2). Wt., 2 lbs., 8 oz.
- No. 7205E Set** – (7205E1 & 7205E2). Wt., 4 lbs., 13 oz.
- No. 7817 Set** – (7205E2 & 7818). Wt., 4 lbs., 10 oz.
- No. 7854 Set** – (7204E2 & 7855). Wt., 2 lbs., 8 oz.
- No. 7925 Set** – (7925-1 & 7925-2). Wt., 4 lbs., 5 oz.



Ford Diesel Fan Clutch Wrench

- Designed for use with OTC No. 7205E1 holding tool to remove fan clutch assembly.

Has the same size opening as the OTC No. 7205E2 wrench, but has a special bend in the handle to provide clearance for accessories found on some vehicles.

Application: 1998–2003 Ford vans and pickups with 7.3L direct-injected turbocharged (DIT) diesel engine.

No. 6068 – Ford diesel fan clutch wrench. Wt., 2 lbs., 2 oz.



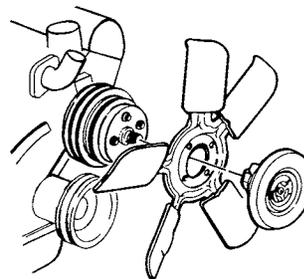
Similar to
Ford 303-591

6068

AUTOMOTIVE SPECIAL TOOLS

Fan Clutch Service

Individual Holding Tools, Wrenches, and Sets



| Year | Make / Model | Engine | U.S. Size | Metric Size | OTC Tool No. | OTC Tool Set | Global Number | Ford Tool No. |
|-----------|--|------------------------|--------------|----------------|--------------------------------|---------------|---------------|---------------|
| 1983–1993 | Ford / F-Series Truck, E-Series Van | 6.9L, 7.3L Diesel | 3-1/4" | 82 mm | 7205E1 | 7205E | 303-213 | T83T-6312-A |
| | | | 1-7/8" | 47 mm | 7205E2 | | 303-214 | T83T-6312-B |
| 1984–1991 | Ford / F-Series Truck, E-Series Van | 4.9L Inline 6 | 2-1/4" | 57 mm | 7204E1 | 7204E | 303-239 | T84T-6312-C |
| | | | 1-7/16" | 36 mm | 7204E2 | | 303-240 | T84T-6312-D |
| 1987–1997 | Ford / F-Series Truck, E-Series Van | 5.0L, 5.8L, 7.5L V8 | 2-1/4" | 57 mm | 7204E1 | 7204E | 303-239 | T84T-6312-C |
| | | | 1-7/16" | 36 mm | 7204E2 | | 303-240 | T84T-6312-D |
| 1992–1996 | Ford / F-Series Truck, E-Series Van | 4.9L Inline 6 | 2-1/4" | 57 mm | 7204E1 | 7823 | 303-239 | T84T-6312-C |
| | | | 1-7/16" | 39 mm | 7823 | | 308-454 | T93T-6312-B |
| 1994–1997 | Ford / F-Series Truck, E-Series Van | 7.3 D.I. Diesel | 2-1/8" | 54 mm | 7818 | 7817 | 303-478 | T94T-6312-AH |
| | | | 1-7/8" | 47 mm | 7205E2 | | 303-454 | T83T-6312-B |
| 1983–1989 | Ford / Ranger, Bronco II | 2.8L, 2.9L V6 | 2-1/4" | 57 mm | 7204E1 | 7204E | 303-239 | T84T-6312-C |
| | | | 1-7/16" | 36 mm | 7204E2 | | 303-240 | T84T-6312-D |
| 1990–2004 | Ford / Ranger, Explorer, Bronco II | 4.0L V6 | 2-1/4" | 57 mm | 7204E1 | 7204E | 303-239 | T84T-6312-C |
| | | | 1-7/16" | 36 mm | 7204E2 | | 303-240 | T84T-6312-D |
| 1998–2003 | Ford / F-Series Truck, E-Series Van | 7.3 DIT Diesel | 3-1/4" | 82 mm | 7205E1 | 6068 | 303-213 | T83T-6312-A |
| | | | 1-7/8" | 47 mm | 6068 | | 303-591 | N/A |
| 1988–2004 | Dodge / Full Size Pickup, Full Size Van | 5.9L Diesel | 3" | 76 mm | 7887 | 7204E2 | | N/A |
| | | | 1-7/16" | 36 mm | 7204E2 | | | N/A |
| 1992–2004 | Dodge / Dakota, Ram Pickup, Ram Van | 3.9L V6, 5.2L, 5.9L V8 | 3" | 76 mm | 7887 | 7204E2 | | N/A |
| | | 8.0L V10 | 1-7/16" | 36 mm | 7204E2 | | | N/A |
| 1993–1998 | Jeep / Grand Cherokee | 5.2L V8 | 3" | 76 mm | 7887 | 7204E2 | | N/A |
| | | | 1-7/16" | 36 mm | 7204E2 | | | N/A |
| 1996–2004 | GM / Full Size Pickup, Full Size Van, Astro / Safari Vans, S-Truck, Blazer / Jimmy, Yukon / Tahoe | 4.3L V6 | 2-3/8" | 60 mm | 7855 | 7854 | | N/A |
| | | 5.0L, 5.7L V8 | 1-7/16" | 36 mm | 7204E2 | | | N/A |
| 1994–1999 | Navistar / medium-duty trucks and school buses | 466 | 2" 2-1/4" | 51 mm 57 mm | 7925-1 7925-2 | 7925 | | N/A N/A |



4652

Adjustable Fan Clutch Holding Tool

- Adjustable jaws fit various water pump pulley bolt patterns.
- Jaws adjust from 1/2" to 8-5/16" opening.
- Jaws lock in place to securely hold water pump bolts.
- Long handle offers leverage for extra torque.

No. 4652 – Adjustable fan clutch holding tool.
Wt., 2 lbs., 5 oz.



Ford Fan Clutch Wrench Set

- Set contains five of the most popular wrenches used to service water pumps and fan clutches, and other components on the front of Ford engines.
- Set contains three holding tools and two turning tools. Use with a 1/2" breaker bar or ratchet.

Note: Wrench Nos. 4585-2, 4585-3, and 4585-5 are used to hold the water pump; wrench Nos. 4585-1 and 4585-4 are used to turn the fan clutch.

1. Select the wrench that most closely fits the water pump, and attach it to a 1/2" breaker bar or ratchet.
2. Select the wrench that most closely fits the O.D. of the fan clutch nut.
3. Hold the water pump, and turn the fan clutch nut to remove or install the fan clutch.

Note: Some Ford vehicles have left-hand threads on the fan clutch. Refer to each vehicle service manual for the correct thread specifications.

Replacement parts:

| Part No. | Description |
|----------|---|
| 4585-1 | – 48 mm (1-7/16") turning wrench. |
| 4585-2 | – 83 mm (3-1/4") holding wrench. |
| 4585-3 | – 72 mm (2-13/16") & 54 mm (2-1/8") holding wrench. |
| 4585-4 | – 40 mm (1-1/2") turning wrench. |
| 4585-5 | – 76 mm (3") & 68 mm (2-11/16") holding wrench. |

No. 4585 – Ford fan clutch wrench set. Wt., 8 lbs., 6 oz.



Ford 6.0L Diesel Fan Clutch Wrench

Applications: 2003–newer Ford F-550 and F-650 Super Duty trucks with the 6.0L diesel engine.

- This is a required tool to tighten or loosen the fan clutch on the water pump.
- Wrench has a 68.45 mm (2-11/16") opening.

No. 6974 – Ford 6.0L diesel fan clutch wrench. Wt., 3 lbs., 2 oz.

Similar to
Ford 303-774



AUTOMOTIVE SPECIAL TOOLS

Hub Service



6985

Mirror
Finish

Mercedes-Benz and BMW Fan Clutch Service Kit

- Mercedes-Benz fan clutch holding wrench holds the water pump pulley to allow release of the fan.
- BMW Fan clutch holding wrench holds the water pump pulley in place while loosening the radiator fan. Works on BMW M10, M20, M30, & other late model vehicles. (Holes at 38 mm & 44.5 mm.)
- Mercedes-Benz fan clutch wrench removes the thermo-viscous radiator fans found on Mercedes-Benz and Ford vehicles. Works on M-B engines: M111, OM604, OM605, and OM606 (C & E Class; 36 mm opening).
- Mercedes-Benz fan clutch wrench is used to remove or install the fan clutch assembly. Slim shaft handle lets you easily work in tight spaces. Works on M-B engines: M103, M104, M119, and M120 (65 mm opening).
- BMW fan clutch wrench is used to remove and install the thermo-viscous fan on BMWs and Fords (32 mm opening).
- Mercedes-Benz Fan Clutch Holding Tool is used to remove / replace thermo-viscous fan coupling with the radiator in place.
- Universal fan belt adjustment wrench services Mercedes-Benz, Nissan Quest, and Mercury Villager radiator fans and pulley belts. It also can be used for loosening the A/C idler pulley tensioner lock nuts for A/C belt adjustment or replacement. Also contains 2.5 mm, 8 mm, and 10 mm Allen keys.

No. 6985 – Mercedes-Benz and BMW fan clutch service kit. Wt., 10 lbs., 2 oz.



6537

HubTamer Elite Bearing Service Set

From start to finish, complete front wheel bearing service using just one set of tools. Take off the hub, remove the old bearing and install the new one, and then reinstall the hub. All this is done while the knuckle assembly remains on the car; no shop press or unnecessary alignments are needed.

- Works on virtually all floating and trapped rotors found on domestic and import vehicles.
- Cuts service time 50% when replacing front wheel bearings.
- Pushes on the steering knuckle, **not** the rotor.
- Fits easily behind the rotor, leaving plenty of room for positioning the tool and wrench. One-piece design has no sliding arms to adjust and is impact wrench compatible.

The HubTamer Elite gives you these added benefits:

- Puller weldment adapter has been improved with the addition of a beveled edge for use in tight fitting applications!
- Ford adapter for use on Taurus/Sable 1986–1995 and Contour/Mystique 1995 – 2001 vehicles.

No. 6537 – HubTamer elite bearing service set. Includes all adapters and tools necessary for removing hubs and replacing front wheel bearings on most domestic and import vehicles with floating or trapped rotors. Also includes updated case and application information. Wt., 42 lbs., 13 oz.

If you want to update your current No. 6490 HubTamer, you can purchase the weldment and Ford adapter separately.

No. 6573 – Weldment with beveled edge. Wt., 9 lbs.

No. 6536 – Ford adapter for Taurus/Sable and Contour/Mystique. Wt., 1 lb., 3 oz.



6536

Front Hub Installer and Puller Set

Here are three tools that make front hub service easier. The universal puller removes front hubs from most FWD cars without damaging wheel bearings. The installer is used to pull the axle shaft into the front hub on Ford vehicles.

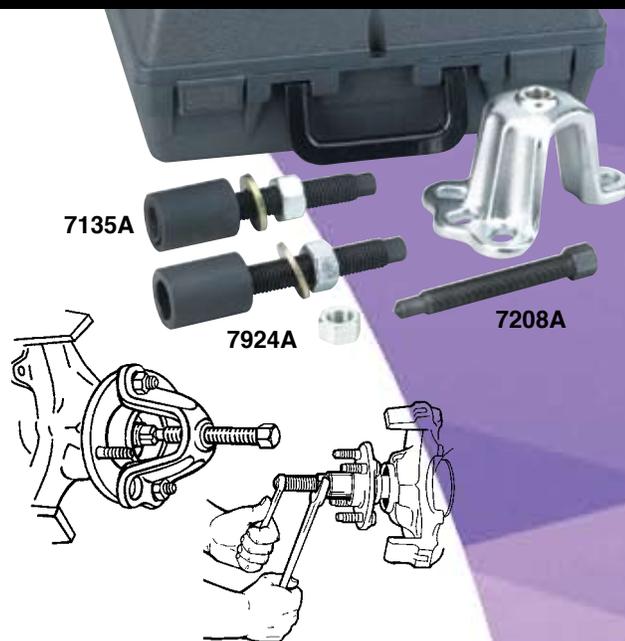
- Spare locknut works with a standard slide hammer puller and the 7208A for rear axle flanges.
- Tools are available separately.

No. 6298 – Front hub installer and puller set includes the No. 7208A, 7135A, and 7924A in a molded plastic case. Wt., 61 lbs., 8 oz.

No. 7208A – Hub remover to push the axle shaft from the front hub. Wt., 2 lbs., 7 oz.

No. 7135A – Installer is used to pull the axle shaft into the front hubs on Ford Taurus/Sable vehicles. Fits axle shafts with 20 mm x 1.5 thread. Wt., 1 lb., 7 oz.

No. 7924A – Installer is used to pull the axle shaft into the front hub. Fits axle shafts with 22 mm x 1.5 thread on Ford Contour/Mystique, Probe, and Focus. Wt., 1 lb., 5 oz.



Universal Hub Puller

With its adjustable sliding arms, this puller makes wheel-hub removal quick, easy, and damage free. It has maximum bolt circle of 7-1/2".

- The No. 32937 puller leg is available separately to complete the five necessary for Cadillac and Jeep hub removal.
- Includes striking wrench and puller screw.

No. 7394 – Universal hub puller. Wt., 9 lbs., 2 oz.

No. 32937 – Puller leg. Wt., 1 lb.



Front Hub Puller for 4WD Vehicles

- 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.
- Will not work on trucks with dual rear wheels.
- Services:
 - 1988–2004 GM 1/2-ton, 3/4-ton, and 1-ton trucks, Tahoe, Suburban, and Yukon.
 - 1994–2004 Dodge 1/2-ton, 3/4-ton, and 1-ton Ram trucks.
 - 1997–2004 Ford 1/2-ton trucks and Expeditions.
 - 1985–2001 Jeep Cherokee.

No. 6290 – Front hub puller for 4WD vehicles. Wt., 7 lbs. 2 oz.



Front Hub Puller for 4WD Vehicles

This puller is required for removing a front hub assembly in 3/4- and 1-ton 4WD pickups with 8-bolt hubs. It works on 1994 to 2004 Dodge Ram and 1988 to 2004 Ford and GM.

- Fits bolt hole pattern 8 x 6.5".
- Will not work on trucks with dual rear wheels.
- Use with our No. 7703 10-lb. slide hammer for maximum pulling force.

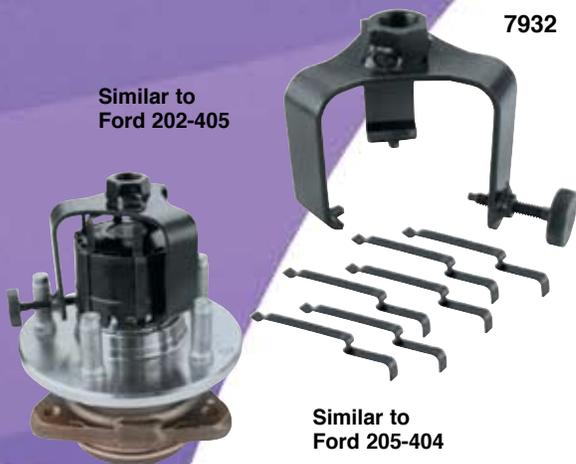
No. 7901 – Front hub puller for 4WD vehicles. Wt., 5 lbs.

7901



AUTOMOTIVE SPECIAL TOOLS

Hub & CV Joint Service



Similar to
Ford 202-405

7932

Similar to
Ford 205-404

Ford Vacuum Front Hub Release Tool Set

Here's the equipment you need to safely remove the plastic vacuum hubs on Ford pickups. Standard tools won't work for the job, but this set has special clips that slip into slots on the hub to release it.

- For use on 1998 to 2000 4WD Ranger with vacuum front hubs.

No. 7932 – Ford vacuum front hub release tool set. Wt., 10 oz.

No. 7932-1 – Ford vacuum front hub puller. Wt., 8 oz.

No. 7932-2 – Ford vacuum front hub removal clip set. Wt., 3 oz.



6695

Similar to
Ford 303-429

Ford Axle Shaft Seal Installer

- Works on 1998-newer Ford F-250, F-350, F-450, and F-550 4X4s having the vacuum-operated front axle.
- Correctly installs the seal onto the axle shaft and into the wheel knuckle, preventing front hub vacuum leaks that would cause the 4WD to not engage.

No. 6695 – Ford axle shaft seal installer. Wt., 10 lbs., 8 oz.



7942A

Hub Resurfacing Kit

- Fits your power drill to quickly sand rust off lug studs and rotors on the hub assembly. Sanding pads attach with Velcro™.
- For most domestic and import vehicles with either front or rear disc brakes. Includes holder and five sanding discs.
- Run at speeds of 1200 rpm or less for best results. (Do not exceed 1200 rpm.)

No. 7942A – Hub resurfacing kit. Wt., 5 oz.

No. 222548 – 10 pack of replacement sanding pads for No. 7942A. Wt., 1 oz.

No. J-42450-9 – Replacement holder for No. 7942A. Wt., 4 oz.



Similar to
Ford 204-D020
(D93T-3206-A)

7502

4WD Front Spindle Puller

This puller enables you to remove the front spindle on light-duty 4WD trucks. It's designed for full-size Ford, GM, International, and Jeep pickups with Dana front axles. Also works on Ford Ranger and Bronco II.

- 5/8" fine thread makes it ideal for use with our No. 1155 slide hammer.
- Fits spindle thread sizes 2"-16, 1-5/8"-16 and 38 mm-1.5.

No. 7502 – 4WD front spindle puller. Wt., 2 lbs., 8 oz.

Subaru Front Axle Shaft Installer

Here's a real time saver when servicing front axles, CV joints, or wheel bearings on 1980 to current Subaru.

- Fits 24 mm x 1.5 axle shafts.

No. 7535 – Subaru front axle shaft installer. Wt., 2 lbs., 8 oz.

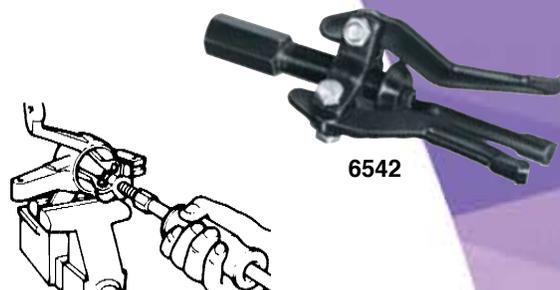


Bearing Cup Remover

This is an ideal tool for servicing hubs on today's small FWD cars. It's perfect for pulling internal bearing cups, seals, and bushings.

- Jaws spread 15/16" to 3-1/4" and reach to 3-1/2".
- Use with any slide hammer having 5/8"-18 thread (our Nos. 1155 or 1156, or the 927 Push-Puller).

No. 6542 – Universal bearing cup remover. Wt., 1 lb., 8 oz.



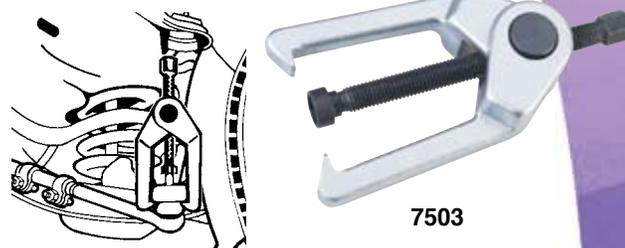
Outer Tie Rod Remover/Ball Joint Separator

This tool is a must when you're servicing outer tie rods. It works on imported and domestic models, front- or rear-wheel drive, cast or stamped-steel steering knuckles.

- Handles up to 5 tons of knuckle twisting force.
- Jaw reach is 3" with a spread of 3".
- Jaws, once tightened, won't slip on the knuckle.
- Can be used to separate lower ball joints on import FWD vehicles.

No. 7503 – Outer tie rod remover. Wt., 2 lbs., 12 oz.

Similar to Kent-Moore
No. J-24319-B



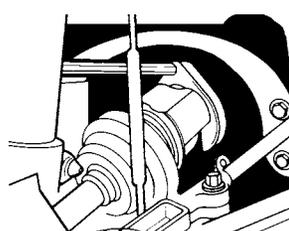
Inner CV Joint Puller

This is the puller you need for CV work on many Ford cars. Used with a slide hammer, it will remove an axle assembly from the transaxle without causing damage to expensive aluminum transmission cases or other components.

No. 7507 – CV joint fork only. Use with OTC slide hammer No. 1155, extension No. 7508, or both. Wt., 13 oz.

No. 7508 – 17-1/2"-long slide hammer extension. Wt., 2 lbs., 7 oz.

No. 7509 – Complete CV joint tool. Wt., 8 lbs.

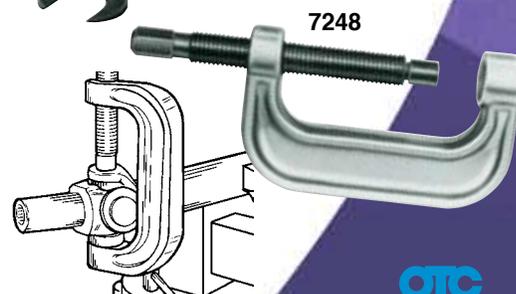


U-Joint Removing/Installing Tool

This helpful tool uses a forcing-screw press to safely remove and replace automotive universal joints with needle bearings, including GM plastic pin CV U-joints.

No. 7248 – U-joint removing/installing tool. Wt., 9 lbs., 7 oz.

Similar to Ford
No. 205-086
(T74P-4635-C)



AUTOMOTIVE SPECIAL TOOLS

CV Joint Service



7995

Outer CV Joint Remover

Removes the outer CV joint on most front-wheel drive vehicles with a concealed internal circlip.

- Use with OTC No. 1155 or 1156 slide hammer with 5/8-18 UNF thread.

No. 7995 – Outer CV joint remover. Wt., 2 lbs., 6 oz.



4703

Outer CV Joint Remover

- Use to remove the outer CV joint on most front-wheel drive vehicles with a concealed internal circlip.
- Use with slide hammer that has 5/8-18 UNF thread.
- Do NOT use this tool to remove front axle assemblies. The inner or outer CV joint may be pulled apart inside the axle boot.

No 4703 – Outer CV joint remover. Wt., 1 lbs. 10 oz.

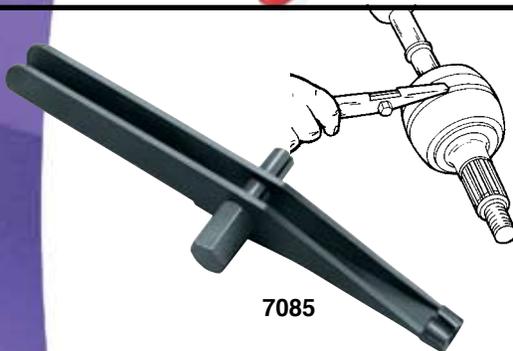


4720

Boot Clamp Pliers – Chrysler

- Required tool for correct installation of strap-and-buckle style CV boot clamps.
- Works on A.C.I. and G.K.N. boots found on various Chrysler, Plymouth, and Dodge front-wheel drive vehicles.
- Prevents damage to CV boot and clamp during installation.

No 4720 – Boot clamp pliers – Chrysler. Wt., 7 oz.



7085

Dust Boot Cap Installer

Works on all vehicles with band-type boot clamps (up to 1/4" wide & .020" thick). The clamp must be installed correctly after servicing to prevent moisture and foreign material from entering the CV joint area. This tool provides exact installation of those clamps with ease.

No. 7085 – Boot clamp installer. Wt., 8 oz.



4724

CV Boot Clamp Pliers

- Special tips work on the ear-less type CV boot clamps.
- Grips clamp in many positions to tighten clamp around boot.

No. 4724 – CV boot clamp pliers. Wt., 12 oz.

Ear-type CV Boot Clamp Pliers

- 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.
- Services:
 - 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.
 - 1985–2001 Jeep Cherokee.

No. 4723 – Ear-type CV boot clamp pliers. Wt., 13 oz.



Heavy-Duty CV Boot Clamp Installer

- Designed to clamp the ear-type CV boot clamps used on front-wheel drive vehicles.
- May also be used to crimp the clamps used on fuel and cooling system hoses.
- Ensures even, precise crimping, and eliminates possibility of damage to the clamp, boot, or hose.

No. 4722 – Heavy-duty CV boot clamp installer. Wt., 1 lb., 7 oz.



CV Boot Clamp Cutter

- Designed to easily cut the CV boot clamp without damaging the boot.
- Will cut boot clamps up to 10 mm wide and .7 mm thick.
- Handles are spring loaded to the open position to allow easy access to the clamp.

No. 4721 – CV boot clamp cutter. Wt., 12 oz.



CV Joint Banding Tool and Cutter

- Use to install and tighten the “band-it” or strap style clamps on CV joint boots, or on power steering rack and pinion steering gear boots.
- Once installed into the tool, tighten the band by turning the handle on the tool; use a socket or wrench on the handle to torque the band to OE specifications.
- When the boot clamp has been tightened to specs, cut the band to the correct length by flipping the lever (at the front of the tool) forward.

No. 4623 – CV joint banding tool and cutter. Wt., 10 oz.



AUTOMOTIVE SPECIAL TOOLS

Rear Axle Service



7792

Rear Axle Service Set

The tools you need for flange-type rear axle and bearing removal on most late model passenger cars and light trucks. Set includes the No. 7374 rear axle pulling plate and 5 lb. slide hammer. The axle bearing pullers, used with the slide hammer, make short work of removing semi-floating rear axle bearings.

No. 7792 – Rear axle service set. Wt., 11 lbs., 4 oz.

Consists of:

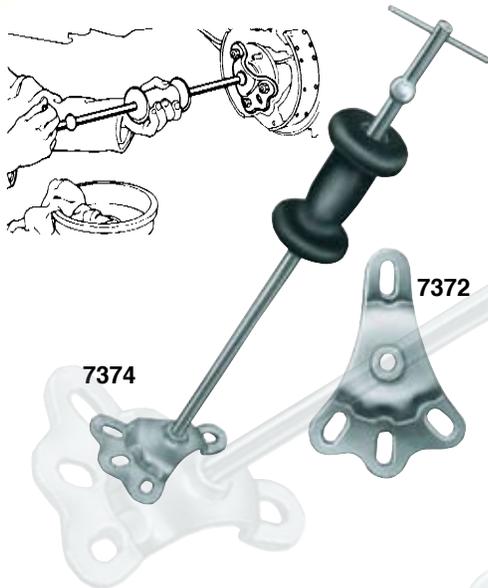
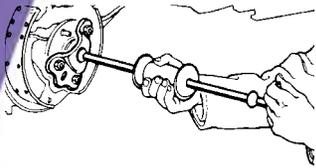
No. 7374 - Rear axle pulling plate with 5 lb. slide hammer.

No. 7495A - Rear axle bearing puller. Fits min. bearing tube I.D. of 1" and max. axle tube I.D. of 1-7/8".

No. 7496A - Rear axle bearing puller. Fits min. bearing tube I.D. of 15/16" and max. axle tube I.D. of 2-3/8".

No. 7497A - Rear axle bearing puller. Fits min. bearing tube I.D. of 1-3/8" and max. axle tube I.D. of 2-7/8".

No. 27315 - Puller hook for use with the 5 lb. slide hammer. Removes oil seals, bearings, etc.



7374

7372

Slide Hammer Rear Axle Puller

This puller will enable you to remove flange-type rear axles from most late model cars and light trucks. It works on axles having bolts and studs up to 9/16" diameter.

- Fits 4-, 5-, or 6-bolt patterns and stud circles from 4-1/4" to 5-9/16".

No. 7372 – Rear axle pulling plate. Wt., 1 lb., 7 oz.

No. 7374 – Rear axle pulling plate with 5-lb. slide hammer assembly. Wt., 8 lbs., 13 oz.



6541

Pulling Hook

- This slide hammer puller attachment is used to remove seals, bearings, and other press-fit parts.
- Designed to be used with OTC No. 1155 (5 lb.) or No. 1156 (2-1/2 lb.) slide hammer, or other slide hammers having 5/8-18 threads.

No. 6541 – Pulling hook. Wt., 8 oz.

Rear Axle Bearing Puller Set

- Set contains slide hammer and popular attachments needed for servicing flange-type, floating rear axle bearings and seals in most late model, rear-wheel drive cars and light trucks; comes in a molded case.
- Rear axle bearing puller fits min. bearing tube I.D. of 1" and max. axle tube I.D. of 1-7/8".
- Rear axle bearing puller, fits min. bearing tube I.D. of 1-5/16" and max. axle tube I.D. of 2-3/8".
- Rear axle bearing puller fits min. tube I.D. of 1-3/8" and max. axle tube I.D. of 2-7/8".

Also includes:

Slide hammer tee bar, slide hammer 5 lb. weight, pulling hook, rear axle pulling plate, bearing cup remover

No. 6540 – Rear axle bearing puller set. Wt., 11 lbs., 7 oz.



Rear Axle Bearing Service Set

All three pullers have been redesigned to make the removal of semi-floating rear axle bearings easier. The new design allows you to capture the bearing firmly, distributing the pulling force over the entire bearing. This reduces damage and increases the amount of applications. Set includes three pullers to service most domestic cars. Use with OTC Nos. 1155 or 1156 slide hammer with 5/8"-18 UNF thread. Pullers also available separately.

No. 7494A – Rear axle bearing puller set. Includes one each Nos. 7495A, 7496A, and 7497A, and a storage case. Wt., 2 lbs., 8 oz.

No. 7495A – Rear axle bearing puller. Fits minimum bearing tube I.D. of 1" and maximum axle tube I.D. of 1-7/8". Wt., 12 oz.

No. 7496A – Rear axle bearing puller. Fits minimum bearing tube I.D. of 1-5/16" and maximum axle tube I.D. of 2-3/8" including 1988–1997 Chevrolet and GMC 8-1/2", 1/2-ton rear axle bearing. Wt., 12 oz.

No. 7497A – Rear axle bearing puller. Fits minimum bearing tube I.D. of 1-3/8" and a maximum axle tube I.D. of 2-7/8". Wt., 12 oz.



When does your clock start?

Robinair's new transmission oil exchanger has the vehicle in and out of the service bay in less than 20 minutes!

Our unique approach to exchanging fluid... through the transmission oil dipstick!

- Exchange oil in the pan before it passes through the transmission filter.
- Easy, convenient, and no damage to other engine components.
- It cannot be hooked up backwards.
- No rusty fittings to break loose.



AUTOMOTIVE SPECIAL TOOLS

Transmission Fluid Exchanger



92500

1-800-822-5561

**Robinair
Technical
Services**

Transmission Fluid Exchanger

- Top-off feature. Add or subtract in 1/10 qt. increments.
- “Low Fluid Alarm” and “Indicator Light” to alert operator.
- “Drain Waste” feature automatically pumps used fluid from the machine into a waste oil container.
- “Drain Pan” feature drains the pan for easy filter replacement. No mess.

Three modes of operations: Dipstick only, cooler line, or a combination of the two!

Specifications

| | |
|-------------------|--|
| Electrical | 12V DC |
| Exchange Accuracy | +/- 1/4 qt. |
| Controls | Microprocessor with digital keypad and LEDs |
| Fluid Tanks | 32 quarts (24.6 liters) each for both new and used fluids |
| Hoses | 91" black and red (Exchange); 76" white transfer tube (Straw) |
| Fluid Types | Multiple fluid capability. |
| Adapter Set | Complete set for most applications. Standard adapters for Ford, GM, Chrysler, European, and Universal (covering most Asian imports). |
| Pump | Positive displacement gear pump, 2 gallons per minute maximum |
| Weight | 158 lbs. (72 kg) |
| Dimensions | 52"H x 33"W x 20"D (132 cm x 84 cm x 51 cm) |
| Process Time | Depends on mode |
| Warranty | 1 year parts and labor |

- Exchange accuracy approximately +/- 1/4 qt.
- 32-quart supply tank; 34-quart waste tank.
- Unprecedented one-tenth quart flow metering for adding or subtracting fluid from the pan.
- Complete set of cooler line adapters for most foreign and domestic vehicles.
- Works with all types of automatic transmission fluid.
- Integral performance designed hose and tool compartment with drain.

No. 92500 – Transmission fluid exchanger. Wt., 215 lbs.

No. 529734 – Replacement nylon tube.



92001

Automatic Transmission Fluid Diagnostic Pads

Easy, quick way to test automatic transmission fluid to determine when service is necessary. Simply place a few drops of transmission fluid from transmission dipstick onto test pad. Pad will change color indicating condition of transmission fluid. Package contains 100 pads.

No. 92001 – Automatic transmission fluid diagnostic pads. Wt., 4 oz.

Transflow Transmission Oil Cooler Flusher

Fix it right the first time... designed to measure oil flow capacity within the transmission oil cooler, and also has the capability to flush contaminated oil from the TOC after repairs.

- Only unit in the industry that performs a flow rate test.
- Flush and flow test time is 5 to 8 minutes.
- 32-quart supply tank; 34-quart waste tank.
- Supply and waste hoses each 10' long.
- 10' long, 12V DC power cables with battery lead clips.
- Requires shop air (90 psi, min.) and 12V DC source.

No. 92000 – Transflow transmission oil cooler flusher. Wt., 173 lbs.



92000

Portable Torque Converter and Oil Cooler Cleaner

When a newly overhauled transmission fails, it's goodbye to profits and customer goodwill! Often a dirty torque converter or oil cooler is the culprit—sludge and metal particles can jam up valve bodies and clog filter screens, causing malfunctions and costly comebacks. Developed with the cooperation and approval of leading auto manufacturers, this cleaner effectively removes contaminants from converters and also performs the essential job of flushing out transmission oil cooler and cooler lines on most popular makes, 1960–current. A pair of hoses for attachment to the cooler lines is provided. The vehicle's converter is bolted to a universal mounting plate, and the adjustable timer is set for desired cycle period. As the converter is rotated at 20 rpm, cleaning solvent is circulated through it and intermittent injections of compressed air into the solvent provide an effective pulsating, cleaning action.

No. 60081 – Torque converter/cleaner, complete with cooler flushing hoses, one 200251 adapter, two 10017 cap screws for C-3 transmissions, and three 15677 metric cap screws. Instruction manual. Wt., 230 lbs.

SPECIFICATIONS

| | |
|--------------------|---|
| Pump | Fixed displacement-type. Delivers a maximum of 6-1/2 gallons per minute. |
| *Pump Motor | 1/3 hp, 110 volt AC single-phase. Fused for thermal protection. |
| *Gear Motor | 1/15 hp, 110V AC single-phase, d.p.s.p., 20 r.p.m. |
| Reservoir | Five-gallon capacity. Equipped with easily accessible drain cock. |
| Filter | Replaceable, full-flow, 5-micron diesel fuel filter. |
| Timer | 30-minute maximum cycle mechanical timer. Can be set in 1 minute increments if desired. |
| Cabinet | 41" high x 28" wide x 19-1/2" deep. Welded steel construction. Has free-wheeling casters. |

***Note:** Products are available in other voltages. Contact your customer service representative for the part numbers to order.

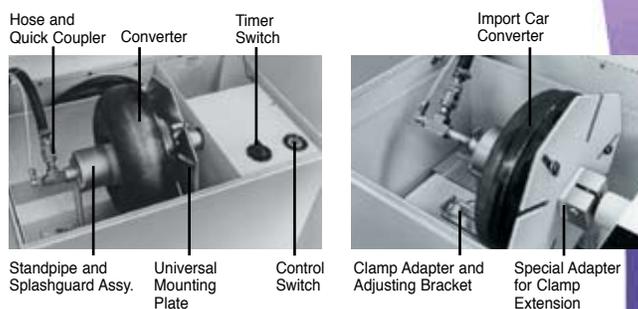
Accessories

For added versatility, you may order the accessories listed to the left, which adapt the 60081 unit for cleaning a variety of foreign and small domestic automatic transmission converters.

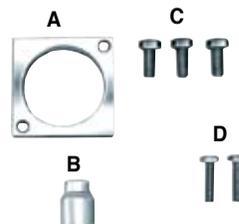


LR 19814

60081



| Item | Part No. | Description | Req'd. |
|------|----------|----------------|--------|
| A | 200251 | Spacer adapter | 1 |
| B | 200231 | End cap | 1 |
| C | 15677 | Cap screw | 3 |
| D | 10017 | Cap screw | 2 |



AUTOMOTIVE SPECIAL TOOLS

Transmission Service



6604

Similar to
Ford No. 307-437

Transmission Fluid Fill Adapter

- This is a required tool to fill or add fluid to the 5R55W automatic transmission used on 2003–newer Ford Explorers.
- Operating Instructions: Remove fill plug from transmission; install No. 6604; fill transmission to correct fluid level; remove No. 6604; and reinstall fill plug in transmission.

No. 6604 – Transmission fluid fill adapter. Wt., 1 oz.



7118

Transmission Adapter Kit

Converts your OTC No. 1726 or No. 1735 engine stand into a transmission service stand. Kit replaces the adjustment arms of the stand to hold and position the transmission at workbench height for repair.

- The transmission is held with three sides fully exposed for working convenience.
- Can be rotated a full 360° for complete access to all parts.
- Comes with mounting hardware.

No. 7118 – Transmission adapter kit. Wt., 10 lbs., 8 oz.



Replaces OTC
tool No. 7646

7646A

Ford Clutch Coupling Tool

- Disconnects the hydraulic clutch line from the clutch slave cylinder on the following vehicles with manual transmissions and hydraulic clutches: 1988–2006 F-series trucks, Bronco II, Ranger, Explorer, and 1989–1997 Ford Thunderbird and Mercury Cougar.
- Wedge-shaped design allows easy removal of clutch line without damaging clutch line, coupling, or slave cylinder. No need to pry the coupler apart.

No. 7646A – Ford clutch coupling tool. Wt., 4 oz.

No. 7244 – Similar to
Ford No. 307-123
(T82L-9500-AH) and
Kent-Moore No. J-36391



No. 7587 – Similar to
Ford No. 307-176
(T86P-77265-AH)

Quick-Disconnect Tool

Two popular disconnect tools in one set give you the versatility to quickly separate the quick connectors found on everything from radiators to transmission and power steering lines. The quick-disconnect coupler tool, No. 7244, works on late model Ford and GM vehicles without disturbing the quick-connect seals. No. 7587 releases the finger on the transmission-to-radiator oil cooler line quickly, without damaging the hose or connector. Works on 1986 and newer Ford Taurus and Mercury Sables with an AXOD, AOD, or ATX transmission.

- Tools available separately.

No. 7244 – Quick-disconnect coupler tool. Wt., 2 oz.

No. 7587 – Ford oil cooler line disconnect tool. Wt., 5 oz.

GM Hydraulic Clutch Line Disconnect Tool

This is a versatile tool for disconnecting clutch lines when you're working on clutch assemblies or slave and master cylinders. The bent end, intended for NVG3500 and NV4500 manual transmissions, works on 1996 to 2004 full-size 2WD and 4WD trucks, Chevrolet S-10 Blazer, and pickups. The straight end is for 1993 to '94 Chevrolet Lumina sedan, 1995 to 2000 Chevrolet Monte Carlo, 1993 to '99 Buick Regal, 1998 to 2002 Olds Intrique, 1993 to '97 Olds Cutlass Supreme and Pontiac Grand Prix.

No. 7910 – GM hydraulic clutch line disconnect tool. Wt., 5 oz.



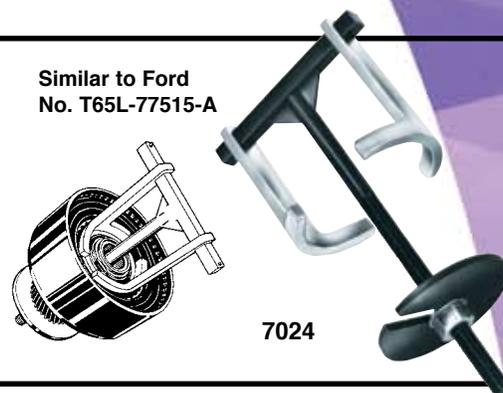
7910
Similar to Kent-Moore
J-42371, J-36221

Automatic Transmission Clutch Spring Compressor

This is a handy, adjustable tool for removing or installing the snap ring on a transmission rear clutch piston. It applies pressure to the clutch drum's retaining washer to compress piston return springs.

- For use on most American cars and light trucks.

No. 7024 – Automatic transmission clutch spring compressor. Wt., 2 lbs., 13 oz.



Similar to Ford
No. T65L-77515-A

7024

Transmission Disconnect Set

This set is used to service automatic transmission cooler lines and manual transmission hydraulic clutch lines.

Set includes:

- No. 7937 – GM transmission oil cooler line disconnect tool.
- No. 7646A – Ford clutch coupling tool.
- No. 7910 – GM hydraulic clutch line disconnect tool.
- No. 7244 – GM & Ford oil cooler line disconnect tool.
- No. 7798 – Ford oil cooler line disconnect tool.
- No. 519378 – Chrysler/Jeep oil cooler line disconnect tool.

No. 6520 – Transmission disconnect set. Wt., 1 lbs., 15 oz.



6520

Ford Transmission Cooler Line Disconnect Set

- Snap around cooler line, push into the fitting, fitting releases. The cooler line can then be removed.
- 3/8" disconnect is used on 2003–newer Ford Explorers with the 5R55W transmission.
- 1/2" disconnect is used on 2003–newer Ford Super Duty trucks with the 4R100 transmission.

No. 6593 – Ford transmission cooler line disconnect set. Wt., 8 oz.

1/2" is similar to
Ford No. 307-459.

3/8" is similar to
Ford No. 307-441.



6593

Transmission Line Disconnects

- Used on 2001 to current Chevrolet Corvette with the 4L60E transmission, and 2003 to current Cadillac CTS with the 5L40E transmission.
- 6 per pack.

No. 6611 – Transmission line disconnects. Wt., 4 oz.



6611

AUTOMOTIVE SPECIAL TOOLS

Transmission Service



Similar to
Miller No. 8218

6047

Dodge Transmission Cooler Line Disconnect Tool

- Designed for removing the cooler line from the radiator to transmission on 1995 and newer Dodge pickups with automatic transmissions.
- Tool encloses the quick connect fittings and releases the locking fingers on the line. It works on both 3/8" and 1/2" lines.

No. 6047 – Dodge transmission cooler line disconnect tool. Wt., 4 oz.



7937

GM Transmission Oil Cooler Line Disconnect Tool

- Specially designed to work in tight places. So simple to operate, you can do it with just one hand.
- After insertion into the quick-connect fitting on 1/2" dia. lines, a quarter turn of the tool quickly and easily releases the fitting on the transmission end of the transmission-to-radiator oil cooler line.
- Works on 2WD and 4WD pickups and vans with electronic shift overdrive automatic transmissions: 1991–newer 4L80E transmissions, and 1993–newer 4L60E transmissions.

No. 7937 – GM transmission oil cooler line disconnect tool. Wt., 2 oz.



4528

Clutch Alignment Tool Set (17 piece)

- Essential for clutch installation on virtually all cars and light-duty trucks. Aligns clutch plate by using tapered cones and pilot adapters.
- Includes seven fractional pilot adapters, 1", 13/16", 25/32", 3/4", 11/16", 5/8", 19/32" one clutch disc centering adapter, and one alignment shaft.
- Includes five metric pilot adapters, 19mm, 17mm, 16mm, 14mm, 12mm, two clutch disc centering adapters, and one alignment shaft.
- Housed in a blow-molded storage case.

No. 4528 – Clutch alignment tool set (17 piece). Wt., 4 lbs., 3 oz.

Differential Bearing Pullers

For removing differential side carrier bearings on a wide variety of passenger cars and light trucks. Use with step plate adapters Nos. 8060, 8061, 8063, and 8064. (Step plate adapters are not included with 1028 or 1031.)

No. 1028 – Puller with 3-1/2" maximum reach, 1-1/4" to 4-1/2" spread. Primarily for servicing Ford products. Wt., 1 lb., 13 oz.

No. 1031 – Puller with 3-1/4" maximum reach, 6" maximum spread. For servicing most General Motors, American Motors, and Chrysler products. Wt., 2 lbs.



1028

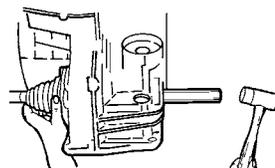


1031

Escort/Lynx Half-Shaft Remover/ Differential Rotator

This tool is required when you're removing the left-hand half-shaft from Escort/Lynx transaxles. It ensures removal and enables you to turn the differential.

No. 7140 – Escort/Lynx half-shaft remover/differential rotator. Wt., 1 lb., 13 oz.



7140

Differential Bearing Preload Wrench

- Similar to Miller C-4164.
- Use to adjust differential bearing free play on Chrysler/Dodge vehicles with 7-1/4", 8-1/4", 8-3/4", and 9-1/4" rear axles.
- Tool fits inside axle tube to access the threaded adjusters.

No. 6602 – Differential bearing preload wrench. Wt., 2 lbs., 14 oz.



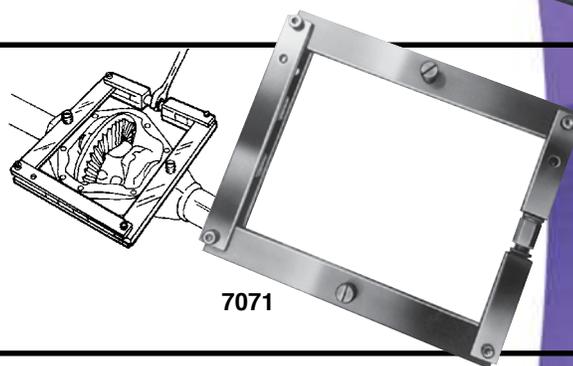
Similar to
Miller C-4164

6602

Differential Housing Spreader

Here's a tool that eases the job of removing or installing differential ring-gear assemblies on Dana axle models 30 through 70. It's a heavy-duty device using mechanical screw power to spread the housing. It helps prevent the component damage that often results from the use of homemade devices.

No. 7071 – Differential housing spreader. Wt., 34 lbs.



7071

Toyota A/C Disconnect Tool

- Used to release the plastic quick-connect fittings on the high- and low-pressure air conditioning lines at the evaporator.
- Services 1998–newer Toyota Corolla, 1998–newer Geo Prizm, 1998-1/2–newer Toyota Land Cruiser and Lexus LX470, 1999–newer Toyota Avalon, Camry, Solara, and Sienna mini vans.
- Easy to use: Plastic fitting on A/C line is rotated to show access to the two release holes in the fitting; tool is inserted into release holes, and pushed to release the fitting.

No. 6073 – Toyota A/C disconnect tool. Wt., 4 oz.



6073

AUTOMOTIVE SPECIAL TOOLS

Fuel & A/C Service

518898 – Similar to
Ford No. 412-027
(T81P-19623-G2)



518897 – Similar to
Ford No. 412-038
(T83P-19623-C)

518900 – Similar to
Ford No. 412-026
(T81P-19623-G1)

518901 – Similar to
Ford No. 412-040
(T85L-19623-A)

6538 – Similar to Ford No.
412-039 (T84L-19623-B)

A/C Spring-Lock Coupling Tool Set

These tools will quickly separate spring-lock refrigerant pressure lines on the air conditioning systems of 1981 to 2002 Ford vehicles, and 1994 to 2002 Chrysler and Jeep vehicles.

- Spring-loaded in the closed position to deflect spray that occurs when a line is disconnected.
- Tools available separately.

No. 6538 – Set of four A/C spring-lock coupling tools:
Wt., 3 oz.

No. 518901 – 3/4" (white). Wt., 2 oz.

No. 518900 – 3/8" (red). Wt., 2 oz.

No. 518898 – 1/2" (blue). Wt., 2 oz.

No. 518897 – 5/8" (black). Wt., 2 oz.



A/C and Fuel Line Disconnect Set

- Used to remove A/C and fuel line quick-disconnect fittings from hard-to-reach areas.
- Six sizes (5/16", 3/8", 1/2", 5/8", 3/4", and 7/8") available to work on many import and domestic vehicles.

No. 4495 – A/C and fuel line disconnect set.
Wt., 5 oz.



Fuel and Air Conditioning Line Release Tool

- This spring-lock coupling release tool easily separates fittings on fuel and air conditioning lines.
- Tool sizes are 3/4", 5/8", 1/2", and 3/8".

No. 4494 – Fuel and air conditioning line release tool.
Wt., 5 oz.



Full-Coverage Disconnect Tool Set

If you're working on Chrysler, Ford, or General Motors vehicles, this set will make your job easier. The tools are designed for heater hoses, transmission oil coolers, air conditioning and fuel lines. They're approved by vehicle manufacturers and will not damage the fittings being disconnected. Tool Nos. 518092, 518896, 518897, 518898, 518899, 518900, and 518901 are spring-loaded in the closed position to deflect any spray that occurs when lines are disconnected.

- Comes in blow-molded case.

No. 6508 – Disconnect tool set. Wt., 4 lbs., 8 oz.



Contents of set:

| | Tool | Description |
|--|---------------|---|
| | 440384 | GM hydraulic clutch line disconnect tool. |
| | 440486 | GM transmission oil cooler line. |
| | 511410 | Fuel line disconnect tool. |
| | 511413 | Fuel line disconnect tool. |
| | 518902 | Heater hose disconnect tool. |
| | 519158 | Fuel line disconnect tool set. |
| | 518582 | Fuel line disconnect tool. |
| | 518583 | Fuel line disconnect tool. |
| | 518584 | Fuel line disconnect tool. |
| | 518896 | Fuel line disconnect tool. (Yellow, 3/8") |
| | 518897 | A/C spring lock coupling tool. (Black, 5/8") |
| | 518898 | A/C spring lock coupling tool. (Blue, 1/2") |
| | 518899 | Fuel line disconnect tool. (Green, 1/2") |
| | 518900 | A/C spring lock coupling tool. (Red, 3/8") |

| | Tool | Description |
|--|---------------|---|
| | 518901 | A/C spring lock coupling tool. (White, 3/4") |
| | 519067 | Fuel line disconnect tool. |
| | 519068 | Fuel line disconnect tool. |
| | 519151 | Quick disconnect tool. |
| | 519152 | Oil cooler line disconnect tool. |
| | 519153 | Clutch coupling tool |
| | 519154 | Fuel line coupling tool. |
| | 519155 | Chrysler fuel line disconnect tool. |
| | 519156 | Ford heater hose disconnect tool. |
| | 519157 | GM heater line quick connect separator. |
| | 519159 | Oil cooler line disconnect tool. |

AUTOMOTIVE SPECIAL TOOLS

Locknut Sockets

Locknut Sockets

No. 7090A – Services 1978–84 Ford F-series H.D. 3/4- and 1-ton 4WD trucks; 1973–81 GM 3/4- and 1-ton 4WD trucks. 1/2" sq. drive. Wt., 1 lb., 11 oz.

No. 7157 – Services 1993–newer Ford Ranger Bronco II and Explorer with manual hubs; 1995–96 Ford F-series 1/2-ton truck and full-size Bronco with manual hubs; 1995–newer Ford F-series 3/4-ton and 1-ton trucks with manual hubs; 1959–85 Ford F-series 1/2- and 3/4-ton trucks and full-size Bronco; 1960–90 GM 1/2-ton truck and full-size Blazer/Jimmy; 1969–89 Dodge 1/2-ton truck with manual hubs; 1969–72 International 1/2-ton truck. 1/2" sq. drive. Wt., 1 lb., 8 oz.

No. 7158 – Services 1985-1/2–95 Ford F-series H.D. 3/4- and 1-ton Dana 50 IFS of Dana 60 front axle; 1982–90 GM H.D. 3/4- and 1-ton trucks, 1994–newer Dodge Dana 60 with Cummins. 1/2" sq. drive. Wt., 1 lb., 13 oz.

No. 7795 – Services 1995–1996 Ford F-series 1/2-ton trucks and full-size Bronco with automatic hubs. 1/2" sq. drive. Wt., 1 lb., 11 oz.

No. 7796 – Services 1995–1998 Ford F-series 3/4- and 1-ton trucks with automatic hubs. 1/2" sq. drive. Wt., 2 lbs., 2 oz.

No. 7270A – Services 1984–92 Ford Ranger and Bronco II with manual hubs; 1986–95 Ford F-series 1/2-ton truck; full-size Bronco with Dana 44 front axle; 1990–93 Dodge trucks with Dana 44 automatic hubs. 1/2" sq. drive. Wt., 1 lb., 8 oz.

No. 7269 – Services 1985–newer Ford F-series 3/4- and 1-ton trucks with Dana 80 rear axle. 1/2" sq. drive. Wt., 3 lbs.

No. 7698 – Services 1988–1995 Isuzu Trooper, Rodeo, Amigo, and pickup; 1989–1995 Honda Passport; Jeep J20 pickups with Dana 60 axle. 1/2" sq. drive. Wt., 1 lb., 5 oz.

No. 7913 – Used to remove and install locknut on 1997–2000 Suzuki Samurai and Geo Tracker front hubs. Wt., 2 lbs., 2 oz.

No. 7612 – 54 mm hex socket fits front wheel bearing adjusting nut of Toyota FJ, LN, and RN. Has 1/2" square drive end, permitting use of a torque wrench. 1/2" sq. drive. Wt., 1 lb., 15 oz.

No. 7941 – Specially designed to fit 4WD lock-out hubs on Toyota's 1995–2002 Tacoma, and 1996–2002 T100 and 4Runner. Similar to Toyota No. 09318-12010-01. Wt., 8 oz.

No. 6006 – Services 1994–newer Dodge 1/2-ton 4x4 pickups with Dana 44 front axle and Dana 60 axle with vacuum disconnect front axle. Wt., 1 lb., 10 oz.

No. 1902 – Services 1984–92 Ford Ranger and Bronco II with automatic hubs; 1993–1997 Ford Ranger, Bronco II, and Explorer with automatic hubs. 1/2" sq. drive. Wt., 1 lb., 14 oz.

No. 1928 – Services 1990–93 Dodge truck with Dana 60 manual hubs. 3/4" sq. drive. Wt., 2 lbs., 2 oz.

No. 1936 – Services 1990–newer Ford Ranger, Bronco II, and Explorer with automatic hubs. Wt., 1 lb., 15 oz.

No. 6601 – Services 2003–newer Ford F-250, F-350, and F-450 Super Duty trucks with 10-1/2 inch rear axle. Wt., 2 lb., 15 oz.



7090A
2-5/8"
Similar to Ford
No. 205-D001
(D78T-1197-A)



7157
2-1/4"
Similar to Ford
No. 205-192
(T83T-1197-B)



7158
2-1/2"
Similar to Ford
No. 205-D065 (D85T-1197-A)



7795
2-1/2"
Similar to Ford
No. 205-348
(T95T-1197-A)



7796
2-3/4"
Similar to Ford
No. 205-349
(T95T-1197-B)



7270A
2-3/8"
Similar to Ford
No. 205-244
(T86T-1197-AR)



7269
2-3/4"
Similar to Ford
No. 205-282
(T88T-4252-A)
Kent Moore
No. J-42855



7698
2-1/4"



6601
Similar to Ford
No. 205-448

FW Bearing Locknut Sockets Application Chart

| Vehicle | OTC No. | Ford No. | Global No. |
|---|-----------------------------|-----------------------------|--------------------|
| 1984–92 Ford Ranger & Bronco II with manual hubs with automatic hubs | 7270A 1902 | T86T-1197-AR T70T-4252-B | 205-244 205-039 |
| 1993–95 Ford Ranger, Bronco II, and Explorer with manual hubs with automatic hubs | 7157 1902 | T83T-1197-B T70T-4252-B | 205-192 205-039 |
| 1990–95 Ford Ranger, Bronco II, and Explorer with automatic hubs | 1936 | N/A | N/A |
| 1995–96 Ford F-series 1/2-ton trucks and full-size Bronco with manual hubs with automatic hubs | 7157 7795 | T83T-1197-B T95T-1197-A | 205-192 205-348 |
| 1995–98 Ford F-series 3/4- and 1-ton trucks with manual hubs with automatic hubs | 7157 7796 | T83T-1197-B T95T-1197-B | 205-192 205-349 |
| 1978–84 Ford F-series H.D. 3/4- and 1-ton 4WD trucks | 7090A | D78T-1197-A | 205-D001 |
| 1985 1/2–95 Ford F-series H.D. 3/4- and 1-ton Dana 50 IFS or Dana 60 front axle | 7158 | D85T-1197-A | 205-D065 |
| 1985–95 Ford F-series 1/2-ton truck and full-size Bronco with Dana 28 front axle | 7158 | D85T-1197-A | 205-D065 |
| 1959–85 Ford F-series 1/2- and 3/4-ton truck and full-size Bronco | 7157 | T83T-1197-B | 205-192 |
| 1986–95 Ford F-series 1/2-ton truck and full-size Bronco with Dana 44 front axle | 7270A | T86T-1197-AR | 205-244 |
| 1985 and 2002 Ford F-series 3/4- and 1-ton truck with Dana 80 rear axle | 7269 | T85T-4252-AH T88T-4252-A | 205-230 205-282 |
| 2003–newer Ford F-250, 350, 450 Super Duty w/10-1/2" rear axle | 6601 | N/A | 205-448 |
| 1973–81 GM 3/4- and 1-ton 4WD trucks | 7090A | N/A | N/A |
| 1960–90 GM 1/2-ton truck and full-size Blazer/Jimmy | 7157 | N/A | N/A |
| 1982–90 GM H.D. 3/4- and 1-ton trucks | 7158 | N/A | N/A |
| 1989–96 Tracker | 6283 | N/A | N/A |
| 1969–72 International 1/2-ton trucks | 7157 | N/A | N/A |
| 1969–89 Dodge 1/2-ton trucks with manual hubs | 7157 | N/A | N/A |
| 1990–93 Dodge trucks with Dana 44 automatic hubs | 7270A | N/A | N/A |
| 1990–93 Dodge trucks with Dana 60 manual hubs | 1928 | N/A | N/A |
| 1988–95 Isuzu Trooper, Rodeo, Amigo, and pickup; 1989–95 Honda Passport; and Jeep J20 pickups with Dana 60 axle | 7698 | N/A | N/A |
| 1982–97 Toyota trucks, models FJ, LN, RN, with 54 mm 6 pt. nuts | 7612 | N/A | N/A |
| 1995–2002 4WD Toyota Tacoma and 1996–2002 4WD Toyota T100 and 4Runner, all with lockout hubs | 7941 | N/A | N/A |
| 1997–2000 4WD Geo Tracker and Suzuki Samurai | 7913 | N/A | N/A |



7913
Similar to Kent-Moore No. J-42119



6601
2-3/4" O.D.
Similar to Ford No. 205-448



7612
2-1/8"
54 mm



7941
2.366 center to center on pins



6006
1-11/16"
43 mm



6064
1.972 center to center on pins



1902
2-3/8"



1928
2-9/16"



1936
2-3/8"



6283
2-29/64"

AUTOMOTIVE SPECIAL TOOLS

Locknut Sockets



4542

7-Piece Wheel Bearing Locknut Socket Set

- For use with 1/2" ratchet or breaker bar.

Set contains:

No. 519097-7 – 55 mm hex locknut socket designed for use on front wheel adjusting nuts found on Toyota models FJ, LN, and RN.

No. 519097-1 – 2-3/8" hex locknut socket works on 1984–92 Ford Rangers and Bronco IIs with automatic locking hubs. Similar to Ford No. 205-040 (T70T-4252-B).

No. 519097-3 – 2-1/2" hex locknut socket fits the hex nut found on rear axles and various front axle applications on light-duty trucks.

No. 519097-5 – 2-1/2" rounded hex locknut socket works on 1995–96 Ford F-150 trucks and full-sized Broncos with automatic locking hubs. Similar to Ford No. 205-348 (T95T-1197-A).

No. 519097-4 – 2-3/4" rounded hex locknut socket works on 3/4-ton and 1-ton Ford F-250 and F-350 trucks with automatic locking hubs. Similar to Ford No. 205-349 (T95T-1197-B).

No. 519097-2 – 2-9/16" rounded hex locknut socket works on 1990–93 Dodge trucks with Dana 60 manual hubs.

No. 519097-6 – 2-3/8" rounded hex locknut socket works on 1990–newer Ford Rangers, Bronco IIs, and Explorers with automatic locking hubs.

No. 4542 – Wheel bearing locknut socket set (7 piece).
Wt., 11 lbs., 7 oz.



4547

Axle Nut Socket Set – FWD (7 piece)

- Extra long, 1/2" drive chrome molybdenum sockets for heavy-duty use in removing and installing axle nuts.
- Use with a ratchet, breaker bar, or torque wrench.
- Contained in a blow-molded plastic storage case.

Contents of set:

No. 4547-29 – 29 mm socket services various late model GM, Ford, and Asian imports.

No. 4547-30 – 30 mm socket services GM body styles A, J, and N, plus Asian imports.

No. 4547-32 – 32 mm socket services late model Honda and Chrysler vehicles.

No. 4547-34 – 34 mm socket services many GM mid-size vehicles.

No. 4547-35 – 35 mm socket services many GM vehicles.

No. 4547-36 – 36 mm socket services many GM, Ford, and Chrysler full-size vehicles.

No. 4547-38 – 38 mm socket services various full-size vehicles including SUVs.

No. 4547 – Axle nut socket set (7 piece).
Wt., 10 lbs., 6 oz.



Locknut Socket Set – 4WD (6 piece)

- Chrome vanadium steel sockets cover most SUV and light truck applications.
- Sockets have 1/2" square drive, allowing use of a torque wrench, ratchet, or breaker bar.

Contents of set:

No. 4543-1 – Toyota 4-lug locknut socket. Services high-torque locknuts on Toyota 4WD vehicles having free-wheel (lock out) hubs: 1995–newer Tacoma; 1996–newer T100 and 4Runner.

No. 4543-2 – Ford 4-lug locknut socket for high-shear rotating nuts on 1985–newer F-250 and F-350 truck rear axles, and Dana 80 rear axles of Ford Super Duty trucks.

No. 4543-3 – 4-lug socket for removing and installing 4-slot front axle locknuts on 1986–newer F-Series 1/2-ton trucks, full-size Bronco with Dana 44 axle, 1984–92 Ford Ranger, and Bronco II with manual hubs. Also, Dodge trucks using Dana 44 axle with automatic hubs.

No. 4543-4 – 6-lug socket for removing and installing 4-slot front axle locknuts on 1978–84 Ford F-Series 4WD heavy-duty 3/4- and 1-ton trucks; 1973–81 GM 4WD 3/4- and 1-ton trucks.

No. 4543-5 – 4-lug socket for removing and installing 4-slot front axle locknuts on 1993–newer Ford Ranger, Bronco II, and Explorer with manual hubs; 1995–newer F-Series 1/2-, 3/4-, and 1-ton trucks and full-size Bronco with manual hubs; 1959–85 F-Series 1/2- and 3/4-ton trucks and full-size Bronco; 1960–90 GM 1/2-ton trucks and full-size Blazer/Jimmy; 1969–72 International 1/2-ton trucks; 1969–89 Dodge 1/2-ton trucks with manual hubs.

No. 4543-6 – FWD front spindle puller. Removes front spindle to access needle bearing, when lubricating and aligning front wheels. 5/8"-18 fine thread permits use with OTC No. 1155 slide hammer. Fits spindle thread sizes 2"-16, 1-5/8"-16 and 38 mm-1.5. Applications: Full-size GM, Ford, Jeep, and International pickups with Dana front axles, plus Ranger and Bronco II.

- A blow-molded plastic storage case keeps set contents organized and protected from loss.

No. 4543 – 4WD spindle nut socket set (6 piece).
Wt., 13 lbs.



AUTOMOTIVE SPECIAL TOOLS

Locknut Sockets & Brake Service



6010



6612, 6902, 6921



6795, 6796, 6928, 6936

1/2" Drive Locknut Socket Set

- These are not light-hearted sockets; they feature a 1/2" square drive, and can be used with an extension and torque wrench for accurate tightening.
- For use on the rounded and standard hex nuts found on the most popular light-duty trucks on the road.
- Unlike the competition, these sockets are backed by the famous OTC Lifetime Marathon Warranty® against defects in materials and workmanship.

No. 6010 – Locknut socket set. Includes one each: Nos. 6612, 6795, 6796, 6902, 6921, 6928, 6936. Wt., 12 lbs.

Set includes one each of the following:

No. 6612 – 54 mm hex locknut socket designed for use on front wheel adjusting nuts found on Toyota FJ, LN, and RN models. Wt., 1 lb., 8 oz.

No. 6902 – 2-3/8" hex locknut socket works on 1984–92 Ford Rangers and Bronco IIs with automatic locking hubs. (Ford No. T70T-4252-B and 205-040). Wt., 1 lb., 8 oz.

No. 6921 – 2-1/2" hex locknut socket fits hex nut found on rear axles and various front axle applications on light-duty trucks. Wt., 1 lb., 8 oz.

No. 6795 – 2-1/2" rounded hex locknut socket. Works on 1995–96 Ford F-150 trucks and full-sized Broncos with automatic locking hubs. (Ford No. T95T-1197-A and 205-348). Wt., 1 lb., 8 oz.

No. 6796 – 2-3/4" rounded hex locknut socket. Works on 3/4- and 1-ton Ford F-250 and F-350 trucks with automatic locking hubs. (Ford No. T95T-1197-B and 205-349). Wt., 1 lb., 8 oz.

No. 6928 – 2-9/16" rounded hex locknut socket. Works on 1990–93 Dodge trucks with Dana 60 manual hubs. Wt., 1 lb., 8 oz.

No. 6936 – 2-3/8" rounded hex locknut socket. Works on 1990–newer Ford Rangers, Bronco IIs, and Explorers with automatic locking hubs. Wt., 1 lb., 8 oz.



7488A

Brake Pressure Test Kit

Kit contains a complete set of fittings and gauges for pressure testing ABS and conventional brake systems on Chrysler, Ford, GM, Jeep, and import vehicles.

- Includes an organizer case

No. 7488A – Brake pressure test kit. Includes two 0–3,000 psi gauges, 16 adapter fittings, two Bosch ABS adapters, one Teves/Delco Powermaster III adapter, one Ford (Teves) adapter, one 90° elbow fitting, one 45° elbow fitting, bleeder, and instructions. Wt., 7 lbs., 10 oz.

Brake Fluid Safety Meter

Check condition of brake fluid in less than a minute!

Water can enter a brake system through microscopic holes anywhere in the system. Once inside, it can cause corrosion in system components...it can vaporize under the high heat conditions of hard braking situations...it can cause dangerous degradation of your customer's ability to stop safely! The No. 3890 can diagnose a brake system in under a minute. It actually boils a small sample of brake fluid in the reservoir to test for water contamination.

FEATURES:

- Powered by the vehicle battery; won't operate if connected to the wrong polarity.
- On-screen prompts lead you quickly through testing.
- You'll find the minimum boiling (vaporizing) point along with minimum recommended levels for various types of brake fluid.
- Works on DOT 3, DOT 4, and DOT 5.1 fluids.
- No consumable test strips; buy this tool and test every vehicle that comes into your shop.

No. 3890 – Brake fluid safety meter. Wt., 2 lbs., 8 oz.



3890

Specifications:
 Accuracy at 212°–356°F...1% typical, 3% max.
 Accuracy above 356°F...3% typical, 5% max.
 Testing Time...15–60 seconds
 Operating Temp Range...32°–122°F

Steering Wheel Holder & Pedal Depressor Kit

- This kit has two applications: 1) holds steering wheel in position for alignment adjustments, and 2) depresses brake pedal for various brake checks, including brake lamp operation.
- Rod easily slides in actuator for fast, easy installation of tool on brake pedal or steering wheel. Simply hand squeeze the actuator to accomplish fine adjustments.
- Kit includes: actuator assembly; extension rod for actuator (use when depressing brake pedal); hook assembly (hooks on steering wheel when depressing brake pedal or holding steering wheel); and flat pad (rests on front seal when holding steering wheel).

No. 4546 – Steering wheel holder and pedal depressor kit. Wt., 5 lbs., 2 oz.

No. 4546-1 – Handle and Rod. Wt., 2 lbs.

No. 4546-2 – Steering Wheel and Pedal Holder. Wt., 2 lbs., 7 oz.



4546

One-Man Brake Bleeder Hose

- Removes air from brake system, one wheel at a time, and eliminates the need for an assistant.
- Hose easily attaches to bleeder screw, which holds hose in place and prevents leaking.
- Check valve on end of hose prevents air from entering brake system when pumping brake pedal.

No. 4599 – One-man brake bleeder hose. Wt., 5 oz.



4599

AUTOMOTIVE SPECIAL TOOLS

Brake Service

Fluid Evacuation / Brake Bleeding Tools

- Use to bleed brake systems and remove a variety of fluid from vehicles, such as antifreeze, oil, transmission fluid, gear lube, etc.
- Quick connect locking hose adapters and ball-style on/off valve on hose prevent fluid leakage.
- Equipped with a relief valve to prevent over-pressurizing the tank.

No. 8100 – Operates by shop air or a hand pump; shipped complete with a brake bleeding hose, fluid evacuation hose, and two suction hoses (6 mm and 7 mm); 10-liter capacity tank. Wt., 10 lbs.

No. 8101 – Operates with shop air; shipped with a brake bleeding hose and fluid evacuation hose; 6-liter capacity tank. Wt., 10 lbs., 13 oz.



ABS Brake Proportioning Valve Depressor

The proportioning valve depressor works on various GM utility vehicles, vans, and pickups fitted with Kelsey Hayes anti-lock brake systems. It also works on rear-wheel anti-lock brakes.

- Two depressors work best for four-wheel anti-lock systems.

No. 7853 – ABS brake proportioning valve depressor. Wt., 4 oz



Disc Park Brake Caliper Tool Kit

This tool set is a must when you're installing brake pads on vehicles with 4-wheel disc brakes. It works on most GM vehicles, most Ford vehicles, and imported vehicles.

- Includes tool to retract the piston on a parking brake actuator.

No. 7317A – Disc park brake caliper tool kit. Wt., 4 lbs., 5 oz.

Kit includes one each of the following:

No. 214963 – Plate.

No. 214964 – 3/8" extension.

No. 308649 – Forcing screw.

No. 308644 – Disc brake adapter tool for 1-1/2" pistons. Usable two ways: one side fits Dodge Conquest, Ford, GM, Honda, Mazda, and Mitsubishi; other side fits Pontiac Fiero, Subaru, and Toyota. Wt., 3 oz.

No. 308645 – Four wheel disc brake adapter tool. Fits 1-11/16" pistons on Subaru, Nissan, Datsun, and Ford Thunderbird. Wt., 5 oz.

No. 308646 – Disc brake adapter tool for GM vehicles with 1-7/8" pistons. Wt., 5 oz.

No. 308647 – Disc brake adapter tool for GM vehicles with 2-1/8" pistons. Wt., 7 oz.

No. 308648 – Disc brake adapter tool for GM vehicles with 2-1/2" pistons. Wt., 10 oz.



Disc Brake Piston Tool

- This "cube" tool rotates pistons back into brake calipers when replacing brake pads on vehicles with rear wheel disc brakes.
- Tool has 3/8" square drive, provides six drive pin configurations to fit most cars and light trucks. This updated version fits more applications than many competitors' tools.

No. 4589 – Disc brake piston tool. Wt., 3 oz.



OTC *Stinger*

4589

Universal Brake Caliper Bit Socket Set (9 Piece)

No. 6135 – Universal brake caliper bit socket set (9 piece).
Wt., 1 lb. 8 oz.

Set includes one each of the following:

- No. 6107 – Size T40, sq. drive 3/8"
- No. 6108 – Size T45, sq. drive 3/8"
- No. 6110 – Size T50, sq. drive 3/8"
- No. 6112 – Size T60, sq. drive 1/2"
- No. 6165 – Size 1/4", sq. drive 3/8"
- No. 6167 – Size 3/8", sq. drive 3/8"
- No. 6175 – Size 7 mm, sq. drive 3/8"
- No. 6176 – Size 8 mm, sq. drive 3/8"
- No. 6177 – Size 10 mm, sq. drive 3/8"



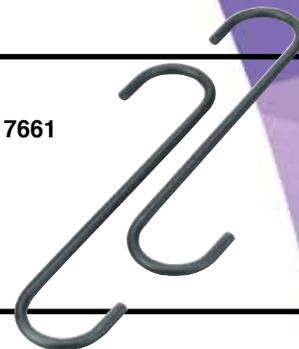
6135

Caliper Hanger Set

These hangers are designed to hold brake calipers out of your way during brake, bearing, suspension, or axle work. In doing so, they make the jobs easier and faster, and reduce possible brake hose damage.

No. 7661 – Caliper hanger set. Wt., 8 oz.

7661



Hub Resurfacing Kit

- Fits your power drill to quickly sand rust off lug studs and rotors on the hub assembly. Sanding pads attach with Velcro™.
- For most domestic and import vehicles with either front or rear disc brakes. Includes holder and five sanding discs.
- Run at speeds of 1200 rpm or less for best results. (Do not exceed 1200 rpm).

No. 7942A – Hub resurfacing kit.
Wt., 3 oz.

No. 222548 – 10 pack of replacement sanding pads for No. 7942A. Wt., 1 oz.

No. J-42450-9 – Holder only. Wt., 2 oz.



7942A

Disc Brake Pad Spreader

- Works on:
 - 1998–2001 Chev. Lumina
 - 1998–2004 Chev. Monte Carlo
 - 2000–2004 Chev. Impala
 - 1998–2004 Buick Regal
 - 1998–1999 Olds Cutlass
 - 1998–2004 Pontiac Grand Prix
 - 1997–2004 Ford F-250, F-300, F-450 trucks
- Can be used on or off the vehicle during brake pad replacement to push the piston back into the caliper. Thick pushing plate (3/16") and wide, threaded collars are designed for heavy-duty applications.

No. 6093 – Disc brake pad spreader. Wt., 2 lbs. 3 oz.



6093

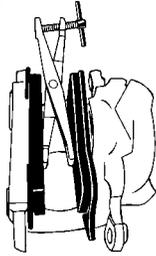
AUTOMOTIVE SPECIAL TOOLS

Brake Service



Similar to Ford
No. 206-D001
(D79L-2196-A)

7034



Disc Brake Pad Spreader

Disc brake pad installation is much easier when you're using this spreader, which fits between the new pads and expands to retract the piston. This leaves your hands free to slide the caliper over the rotor. Designed to work on standard and four-piston caliper disc brakes, this tool will shorten installation time.

No. 7034 – Disc brake pad spreader. Wt., 10 oz.



7456

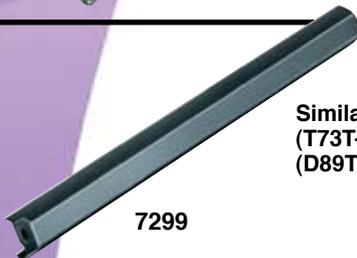
Similar to Ford
No. 206-008
(T73T-2300-A)

Ford Brake Spring Tool

The hold-down springs on rear brake drums can now be easily removed or installed with the help of this tool – without causing damage or injuries.

- For use on 1967 to 2004 3/4- and 1-ton pickups and vans.

No. 7456 – Ford brake spring tool. Wt., 7 oz.



7299

Similar to Ford No. 206-0004
(T73T-2300-A)
(D89T-2196-A)

Ford Caliper Pin Remover

This is the damage-free way to remove brake caliper pins on 1986 to '88 Aerostar, Bronco, and E- and F-series pickups; 1983 to '88 Ranger; and 1984 to '88 Bronco II.

No. 7299 – Ford caliper pin remover. Wt., 7 oz.



7499

Ford Disc Brake Caliper Pin Remover

Forget those makeshift methods of disc brake caliper pin removal. With one of these tools, you can handle jobs on a variety of light-duty Ford models.

- For use on 1989 to 1996 Aerostar, Bronco, Ranger, E- and F-series pickups; 1989 to '91 Bronco II; and 1991 to 1995 Explorer.

No. 7499 – Ford disc brake caliper pin remover. Wt., 8 oz.



7639

Similar to
Kent-Moore
J-39495

GM W-Body Brake Bushing Service Set

Here's the complete set for servicing seized disc-brake rear-caliper slides on GM W-body cars. It includes a bushing driver, 180 grit hone, and a 1-1/4" diameter wire brush.

- For use on 1988 to 1993 Buick Regal, Oldsmobile Cutlass Supreme, Pontiac Grand Prix; 1990 to 1993 Chevrolet Lumina sedan.

No. 7639 – GM W-body brake bushing service set. Wt., 13 oz.



6515

3-in-1 180° Tubing Bender

- Capable of making 180° bends in copper, brass, aluminum, and steel tubing.
- Just one tool works on three sizes of tubing: 1/4", 5/16", and 3/8".

No. 6515 – 3-in-1 180° tubing bender. Wt., 1 lbs., 5 oz.

Heavy-Duty Tubing Cutter

- Works on tubing sizes 1/8" to 1-1/8" O.D. (3 mm to 29 mm).
- Easily cuts copper, brass, aluminum, and steel brake lines.
- Ream folds onto cutter body for storage.
- Extra cutting wheel stored under ream.

No. 6512 – Heavy-duty tubing cutter. Wt., 6 oz.

6512



Mini Tubing Cutter

- Works on tubing sizes 1/8" to 5/8" O.D. (3 mm to 16 mm).
- Easily cuts copper, brass, aluminum, and steel brake lines in hard-to-reach places.
- Ream folds onto cutter body for storage.
- Extra cutting wheel stored under ream.

No. 6514 – Mini tubing cutter. Wt., 3 oz.

6514

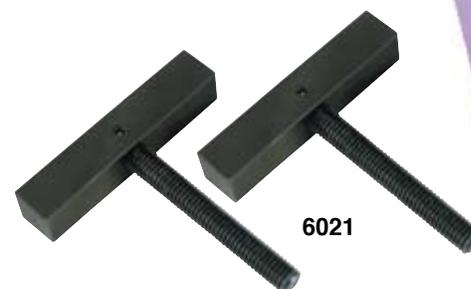


Brake Drum and Rotor Remover

Having trouble pulling brake drums off hubs? This tool is the solution for that common problem.

- For use on Mercury Villager vans and many import vehicles.
- The No. 6021 tools simply thread into the 8 mm x 1.25 holes in the drum, then are tightened simultaneously to free the hub from the drum. Then the handles are used to pull off the drum.

No. 6021 – Brake drum and rotor remover. Wt., 5 oz.



6021

Brake Tool Set (8 piece)

- Set contains the most popular brake tools for servicing drum brakes on many import and domestic vehicles.
- Features BMC and high quality handles.
- Includes three different brake spoons to adjust most brake drums, five different brake spring tools that will service most drum brakes.

No. 6516 – Brake tool set. Wt., 3 lbs. 2 oz.

6516



GM Code Retrieval Keys

These keys enable you to easily retrieve trouble codes from pre-OBDII GM vehicles.

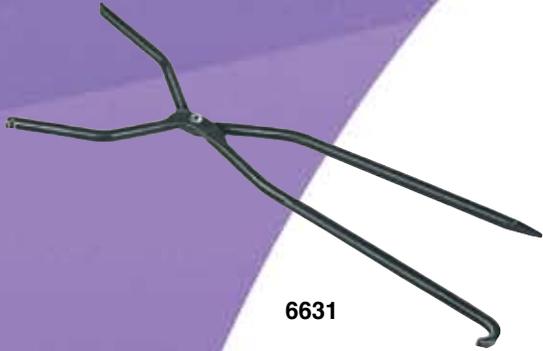
No. 7739 – ECM code retrieval key. Jumps between A and B terminals on ALDL connector. Wt., 2 oz.

7739



AUTOMOTIVE SPECIAL TOOLS

Brake Service & Flaring Tools



6631

GM Brake Shoe Spanner and Spring Remover

Our brake shoe spanner and spring remover tool is essential for removing the rear brake shoe retaining springs. It also removes and installs adjuster springs, and can be used to activate the brake self-adjuster mechanism.

- For use on 1991 to 1997 H-body, 1992 to 1997 C- and U-body vehicles, and 1995 and newer Chevrolet Monte Carlo and Lumina.

No. 6631 – GM brake shoe spanner and spring remover. Wt., 11 oz.



4590

Brake Spring Pliers and Claw

- Effectively removes and replaces shoe return springs of drum brakes on domestic cars and trucks. Thin, narrow point provides straight, in-line pull on spring.
- Robust handle provides powerful leverage. Double-ended design. Plated steel resists corrosion.

No. 4590 – Brake spring pliers and claw. Wt., 14 oz.



4591

Brake Spring Compressor Tool

- Provides leverage to remove and install stubborn hold down springs of drum brakes on cars and light trucks.
- Special beveled cup end and notched design grips the retaining washers (11/16" to 7/8") used to hold the springs in place. Comfortable handle and knurled base for solid gripping.

No. 4591 – Brake spring compressor tool. Wt. 3 oz.



6503

Double Flaring Tool Set with Cutter

- Designed for steel brake lines where double flaring is required.
- Also performs 45° single flares on 3/16", 1/4", 3/8", 7/16", 1/2", and 5/8" copper, aluminum, brass, and magnesium tubing.
- Includes the No. 6514 tubing cutter and adapters for double flaring 3/16", 1/4", 5/16", 3/8", and 1/2" tubing.
- Housed in a plastic blow-molded case.

No. 6503 – Double flaring tool set with cutter. Wt., 3 lbs., 7 oz.

Bubble (I.S.O.) Flaring Tool Set with Cutter

- Designed for metric, steel brake lines where an ISO or bubble flare is required.
- Includes the No. 6514 tubing cutter and adapters for 4.75 mm, 6 mm, 8 mm, and 10 mm tubing.
- Housed in a plastic blow-molded case.

No. 6504 – Bubble (I.S.O.) flaring tool set with cutter.
Wt., 3 lbs., 7 oz.



Metric Double Flaring Tool Set with Cutter

- Designed for metric, steel brake lines where double flaring is required.
- Also performs 45° single flares on 4 mm, 4.75 mm, 6 mm, 8 mm, 10 mm, 12 mm, and 14 mm copper, aluminum, brass, and magnesium tubing.
- Includes the No. 6514 tubing cutter and adapters for double flaring 4 mm, 4.75 mm, 6 mm, 8 mm, and 10 mm tubing.
- Housed in a plastic blow-molded case.

No. 6506 – Metric double flaring tool set with cutter.
Wt., 3 lbs., 7 oz.



Double Flaring Tool Kit

- Designed for double or single flare in copper, aluminum, soft steel brake line, and brass tubing (to 45 degrees).
- Includes five adapters 3/16" through 1/2" (4.8 mm through 12.7 mm).
- Chrome swivel, made of alloy steel, reduces friction. Forged yoke made of heat-treated steel. Housed in a blow-molded storage case.

No. 4503 – Double flaring tool kit. Wt., 2 lbs., 10 oz.



Bubble (I.S.O.) Flaring Tool Kit

- Designed for crack-free bubble flares on soft steel tubing used in automotive brake systems.
- Includes four dies: 4.75, 6, 8, and 10 mm adapters.
- Forged steel yoke, flaring bar, and all the adapters needed for ISO bubble flaring.
- The most economical "Bubble" flare tool to date. Housed in a blow-molded storage.

No. 4504 – Bubble (I.S.O.) flaring tool kit. Wt., 2 lbs., 10 oz.



AUTOMOTIVE SPECIAL TOOLS

Torx Bit Sockets



5900A

Master TORX® Socket Set

51-piece, professional socket set in a blow-molded case.

Hundreds of applications from front to rear on cars and trucks:

- seat belt bolts
- interior and exterior trim screws
- engine assemblies
- tail lamp lenses & assemblies
- bumpers
- headlight bezels
- door strikers & latches
- brake rotor bolts
- GM front-wheel drive front wheel bearings
- truck box liners
- Styles available: TORX bit sockets, TORX PLUS bits sockets, tamper-resistant TORX bits, and TORX sockets for external bolts.
- Made from superior S2 steel to meet or exceed torque specifications.

No. 5900A – Master TORX® socket set. 51-piece set in blow-molded case. Wt., 7 lbs.

Master Torx Socket Set includes:

TORX® Bit Socket Set T6 to T60 (14 piece)

| No. | Size | Sq. Drive | No. | Size | Sq. Drive |
|------|------|-----------|------|------|-----------|
| 5906 | T6 | 1/4" | 6106 | T30 | 1/4" |
| 5908 | T8 | 1/4" | 6107 | T40 | 3/8" |
| 6101 | T10 | 1/4" | 6108 | T45 | 3/8" |
| 6102 | T15 | 1/4" | 6109 | T47 | 3/8" |
| 6103 | T20 | 1/4" | 6110 | T50 | 3/8" |
| 6104 | T25 | 1/4" | 6111 | T55 | 3/8" |
| 6105 | T27 | 1/4" | 6112 | T60 | 1/2" |
| No. | Size | Sq. Drive | | | |



TORX®

TORX® External Socket E4 to E24 (13 piece)

| No. | Size | Sq. Drive | No. | Size | Sq. Drive |
|------|------|-----------|------|------|-----------|
| 5934 | E4 | 1/4" | 6156 | E14 | 3/8" |
| 5935 | E5 | 1/4" | 6157 | E16 | 3/8" |
| 6151 | E6 | 1/4" | 5936 | E18 | 3/8" |
| 6152 | E7 | 1/4" | 5937 | E20 | 3/8" |
| 6153 | E8 | 1/4" | 5938 | E22 | 1/2" |
| 6154 | E10 | 3/8" | 5939 | E24 | 1/2" |
| 6155 | E12 | 3/8" | | | |



TORX®

TORX PLUS® Bit Sockets TP8 to TP60 (12 piece)

| No. | Size | Sq. Drive | No. | Size | Sq. Drive |
|------|------|-----------|------|------|-----------|
| 5918 | TP8 | 1/4" | 6186 | TP30 | 1/4" |
| 6181 | TP10 | 1/4" | 6187 | TP40 | 3/8" |
| 6182 | TP15 | 1/4" | 6188 | TP45 | 3/8" |
| 6183 | TP20 | 1/4" | 6191 | TP50 | 3/8" |
| 6184 | TP25 | 1/4" | 5915 | TP55 | 3/8" |
| 6185 | TP27 | 1/4" | 5916 | TP60 | 1/2" |



TORX PLUS

TORX® Tamper-Resistant Bits TT8 to TT60 (12 piece)

| No. | Size | Hex Insert | No. | Size | Hex Insert |
|------|------|------------|------|------|------------|
| 5919 | TT8 | 1/4" | 5925 | TT30 | 1/4" |
| 5920 | TT10 | 1/4" | 5926 | TT40 | 3/8" |
| 5921 | TT15 | 1/4" | 5927 | TT45 | 3/8" |
| 5922 | TT20 | 1/4" | 5928 | TT50 | 3/8" |
| 5923 | TT25 | 1/4" | 5929 | TT55 | 3/8" |
| 5924 | TT27 | 1/4" | 5930 | TT60 | 1/2" |



Tamper Resistant TORX®



6100

TORX® Bit Socket Set (12 Piece)

No. 6100 – TORX® bit socket set (12 piece).
Wt., 1 lb. 3 oz.

Set includes one each of the following:

- No. 6101** – Size T10, Sq. Drive 1/4"
- No. 6102** – Size T15, Sq. Drive 1/4"
- No. 6103** – Size T20, Sq. Drive 1/4"
- No. 6104** – Size T25, Sq. Drive 1/4"
- No. 6105** – Size T27, Sq. Drive 1/4"
- No. 6106** – Size T30, Sq. Drive 1/4"
- No. 6107** – Size T40, Sq. Drive 3/8"
- No. 6108** – Size T45, Sq. Drive 3/8"
- No. 6109** – Size T47, Sq. Drive 3/8"
- No. 6110** – Size T50, Sq. Drive 3/8"
- No. 6111** – Size T55, Sq. Drive 3/8"
- No. 6112** – Size T60, Sq. Drive 1/2"



TORX®

TORX® Tamper-Resistant Bit Set (8 Piece)

No. 6145 – TORX® tamper-resistant bit set (8 piece).
Wt., 4 oz.

Set includes one each of the following:

- No. 6141 – Size T10H, Hex Insert 1/4"
- No. 6142 – Size T15H, Hex Insert 1/4"
- No. 6143 – Size T20H, Hex Insert 1/4"
- No. 6144 – Size T25H, Hex Insert 1/4"
- No. 6146 – Size T27H, Hex Insert 1/4"
- No. 6147 – Size T30H, Hex Insert 1/4"
- No. 6148 – Size T40H, Hex Insert 1/4"
- No. 6130 – Sq. Drive 1/4", Bit Holder 1/4"



6145

TORX PLUS® Bit Socket Set (9 Piece)

No. 6180 – TORX PLUS® bit socket set (9 piece).
Wt., 11 oz.

Set includes one each of the following:

- No. 6181 – Size TP10, Sq. Drive 1/4"
- No. 6182 – Size TP15, Sq. Drive 1/4"
- No. 6183 – Size TP20, Sq. Drive 1/4"
- No. 6184 – Size TP25, Sq. Drive 1/4"
- No. 6185 – Size TP27, Sq. Drive 1/4"
- No. 6186 – Size TP30, Sq. Drive 1/4"
- No. 6187 – Size TP40, Sq. Drive 3/8"
- No. 6188 – Size TP45, Sq. Drive 3/8"
- No. 6191 – Size TP50, Sq. Drive 3/8"



6180

TORX® Socket Set (For External Bolts; 7 Piece)

No. 6150 – TORX® socket set for external bolts (7 piece). Wt., 10 oz.

Set includes one each of the following:

- No. 6151 – Size E6, Sq. Drive 1/4"
- No. 6152 – Size E7, Sq. Drive 1/4"
- No. 6153 – Size E8, Sq. Drive 1/4"
- No. 6154 – Size E10, Sq. Drive 3/8"
- No. 6155 – Size E12, Sq. Drive 3/8"
- No. 6156 – Size E14, Sq. Drive 3/8"
- No. 6157 – Size E16, Sq. Drive 3/8"



6150

Universal Brake Caliper Bit Socket Set (9 Piece)

No. 6135 – Universal brake caliper bit socket set (9 piece). Wt., 1 lb. 8 oz.

Set includes one each of the following:

- No. 6107 – Size T40, Sq. Drive 3/8"
- No. 6108 – Size T45, Sq. Drive 3/8"
- No. 6110 – Size T50, Sq. Drive 3/8"
- No. 6112 – Size T60, Sq. Drive 1/2"
- No. 6165 – Size 1/4", Sq. Drive 3/8"
- No. 6167 – Size 3/8", Sq. Drive 3/8"
- No. 6175 – Size 7 mm, Sq. Drive 3/8"
- No. 6176 – Size 8 mm, Sq. Drive 3/8"
- No. 6177 – Size 10 mm, Sq. Drive 3/8"



6135

AUTOMOTIVE SPECIAL TOOLS

Torx Bit Sockets



6160

Hex Bit Socket Set (Fractional; 7 Piece)

No. 6160 – Hex bit socket set (Fractional; 7 piece).
Wt., 1 lb.

Set includes one each of the following:

- No. 6161 – Size Hex 1/8", Sq. Drive 3/8"
- No. 6162 – Size Hex 5/32", Sq. Drive 3/8"
- No. 6163 – Size Hex 3/16", Sq. Drive 3/8"
- No. 6164 – Size Hex 7/32", Sq. Drive 3/8"
- No. 6165 – Size Hex 1/4", Sq. Drive 3/8"
- No. 6166 – Size Hex 5/16", Sq. Drive 3/8"
- No. 6167 – Size Hex 3/8", Sq. Drive 3/8"



HEX



6170

Hex Bit Socket Set (Metric; 7 Piece)

No. 6170 – Hex bit socket set (Metric; 7 piece).
Wt., 1 lb.

Set includes one each of the following:

- No. 6171 – Size Hex 3 mm, Sq. Drive 3/8"
- No. 6172 – Size Hex 4 mm, Sq. Drive 3/8"
- No. 6173 – Size Hex 5 mm, Sq. Drive 3/8"
- No. 6174 – Size Hex 6 mm, Sq. Drive 3/8"
- No. 6175 – Size Hex 7 mm, Sq. Drive 3/8"
- No. 6176 – Size Hex 8 mm, Sq. Drive 3/8"
- No. 6177 – Size Hex 10 mm, Sq. Drive 3/8"



HEX

Individually sold items.

TORX® Bits

- No. 5906 – Size T6, Sq. Drive 1/4"
- No. 5908 – Size T8, Sq. Drive 1/4"
- No. 6121 – Size T10, Hex Insert 1/4"
- No. 6122 – Size T15, Hex Insert 1/4"
- No. 6123 – Size T20, Hex Insert 1/4"
- No. 6124 – Size T25, Hex Insert 1/4"
- No. 6125 – Size T27, Hex Insert 1/4"
- No. 6126 – Size T30, Hex Insert 1/4"
- No. 6127 – Size T40, Hex Insert 5/16"
- No. 6128 – Size T45, Hex Insert 5/16"
- No. 6114 – Size T47, Hex Insert 5/16"
- No. 6129 – Size T50, Hex Insert 5/16"
- No. 6117 – Size T55, Hex Insert 7/16"
- No. 6119 – Size T60, Hex Insert 1/2"



TORX®

TORX PLUS® Bits

- No. 5918 – Size TP8, Sq. Drive 1/4"
- No. 6132 – Size TP10, Hex Insert 1/4"
- No. 6133 – Size TP15, Hex Insert 1/4"
- No. 6134 – Size TP20, Hex Insert 1/4"
- No. 6158 – Size TP25, Hex Insert 1/4"
- No. 6159 – Size TP27, Hex Insert 1/4"
- No. 6168 – Size TP30, Hex Insert 1/4"
- No. 6169 – Size TP40, Hex Insert 5/16"
- No. 6178 – Size TP45, Hex Insert 5/16"
- No. 6194 – Size TP50, Hex Insert 5/16"
- No. 5915 – Size TP55, Sq. Drive 3/8"
- No. 6195 – Size TP55, Hex Insert 7/16"
- No. 5916 – Size TP60, Sq. Drive 1/2"
- No. 6196 – Size TP60, Hex Insert 1/2"



TORX PLUS®

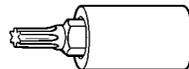
TORX® Tamper-Resistant Bits

- No. 5919 – Size TT8, Hex Insert 1/4"
- No. 5920 – Size TT10, Hex Insert 1/4"
- No. 5921 – Size TT15, Hex Insert 1/4"
- No. 5922 – Size TT20, Hex Insert 1/4"
- No. 5923 – Size TT25, Hex Insert 1/4"
- No. 5924 – Size TT27, Hex Insert 1/4"
- No. 5925 – Size TT30, Hex Insert 1/4"
- No. 5926 – Size TT40, Hex Insert 3/8"
- No. 5927 – Size TT45, Hex Insert 3/8"
- No. 5928 – Size TT50, Hex Insert 3/8"
- No. 5929 – Size TT55, Hex Insert 3/8"
- No. 5930 – Size TT60, Hex Insert 1/2"
- No. 6141 – Size T10H, Hex Insert 1/4"
- No. 6142 – Size T15H, Hex Insert 1/4"
- No. 6143 – Size T20H, Hex Insert 1/4"
- No. 6144 – Size T25H, Hex Insert 1/4"
- No. 6146 – Size T27H, Hex Insert 1/4"
- No. 6147 – Size T30H, Hex Insert 1/4"
- No. 6148 – Size T40H, Hex Insert 1/4"
- No. 6149 – Size T45H, Hex Insert 5/16"



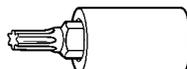
TORX® Bit Sockets

- No. 6101 – Size T10, Sq. Drive 1/4"
- No. 6102 – Size T15, Sq. Drive 1/4"
- No. 6103 – Size T20, Sq. Drive 1/4"
- No. 6104 – Size T25, Sq. Drive 1/4"
- No. 6105 – Size T27, Sq. Drive 1/4"
- No. 6106 – Size T30, Sq. Drive 1/4"
- No. 6107 – Size T40, Sq. Drive 3/8"
- No. 6108 – Size T45, Sq. Drive 3/8"
- No. 6109 – Size T47, Sq. Drive 3/8"
- No. 6110 – Size T50, Sq. Drive 3/8"
- No. 6111 – Size T55, Sq. Drive 3/8"
- No. 6112 – Size T60, Sq. Drive 1/2"



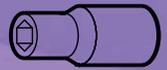
TORX PLUS® Bit Sockets

- No. 6181 – Size TP10, Sq. Drive 1/4"
- No. 6182 – Size TP15, Sq. Drive 1/4"
- No. 6183 – Size TP20, Sq. Drive 1/4"
- No. 6184 – Size TP25, Sq. Drive 1/4"
- No. 6185 – Size TP27, Sq. Drive 1/4"
- No. 6186 – Size TP30, Sq. Drive 1/4"
- No. 6187 – Size TP40, Sq. Drive 3/8"
- No. 6188 – Size TP45, Sq. Drive 3/8"
- No. 6191 – Size TP50, Sq. Drive 3/8"
- No. 6192 – Size TP55, Sq. Drive 3/8"
- No. 6193 – Size TP60, Sq. Drive 1/2"



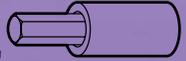
Bit Holders

- No. 6130 – Sq. Drive 1/4", Bit Size 1/4"
- No. 6131 – Sq. Drive 3/8", Bit Size 5/16"
- No. 6136 – Sq. Drive 3/8", Bit Size 7/16"
- No. 6113 – Sq. Drive 1/2", Bit Size 1/2"



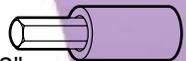
Hex Bit Sockets (Fractional)

- No. 6161 – Size Hex 1/8", Sq. Drive 3/8"
- No. 6162 – Size Hex 5/32", Sq. Drive 3/8"
- No. 6163 – Size Hex 3/16", Sq. Drive 3/8"
- No. 6164 – Size Hex 7/32", Sq. Drive 3/8"
- No. 6165 – Size Hex 1/4", Sq. Drive 3/8"
- No. 6166 – Size Hex 5/16", Sq. Drive 3/8"
- No. 6167 – Size Hex 3/8", Sq. Drive 3/8"



Hex Bit Sockets (Metric)

- No. 6171 – Size Hex 3 mm, Sq. Drive 3/8"
- No. 6172 – Size Hex 4 mm, Sq. Drive 3/8"
- No. 6173 – Size Hex 5 mm, Sq. Drive 3/8"
- No. 6174 – Size Hex 6 mm, Sq. Drive 3/8"
- No. 6175 – Size Hex 7 mm, Sq. Drive 3/8"
- No. 6176 – Size Hex 8 mm, Sq. Drive 3/8"
- No. 6177 – Size Hex 10 mm, Sq. Drive 3/8"



TORX® Sockets for External Bolts

- No. 5934 – Size E4, Sq. Drive 1/4"
- No. 5935 – Size E5, Sq. Drive 1/4"
- No. 6151 – Size E6, Sq. Drive 1/4"
- No. 6152 – Size E7, Sq. Drive 1/4"
- No. 6153 – Size E8, Sq. Drive 1/4"
- No. 6154 – Size E10, Sq. Drive 3/8"
- No. 6155 – Size E12, Sq. Drive 3/8"
- No. 6156 – Size E14, Sq. Drive 3/8"
- No. 6157 – Size E16, Sq. Drive 3/8"
- No. 5936 – Size E18, Sq. Drive 3/8"
- No. 5937 – Size E20, Sq. Drive 3/8"
- No. 5938 – Size E22, Sq. Drive 1/2"
- No. 5939 – Size E24, Sq. Drive 1/2"



AUTOMOTIVE SPECIAL TOOLS

Ribe Key, Seat Belt Tool



4609

Ribe Key Set

- These keys work on late model Volkswagen, Audi, Lancer, Fiat, and Lancia vehicles.
- Ribe-style bolts are used on cylinder heads, headlights, and transmission fill plugs.
- Set includes seven keys: M4, M5, M6, M7, M8, M9, and M10.

No. 4609 – Ribe key set. Wt., 1 lb., 9 oz.



Similar to
Kent-Moore
BO-47549

5901

GM Seat Belt Bolt Removal Tool

- Allows use of 1/2" impact wrench to remove the seat belt retaining bolts on most GM cars and light trucks.
- Outer collar fits over the TORX® bit to center the impact wrench and bit to the seat belt bolt, preventing damage to the bit and seat belt bolt.

No. 5901 – GM seat belt bolt removal tool. Wt., 8 oz.



5909

RIBE Bit Set – 24 Piece

The bit pattern known as "RIBE" or "polydrive" is now used on most European cars and light trucks, and is fast becoming more common with U.S. manufacturers. Packaged in a metal box, this is the largest collection of RIBE bits on the market.

No. 5909 – RIBE bit set–24 piece. Wt., 8 lbs.