



Transportation Equipment Supply Co.

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[www.tescotools.com](http://www.tescotools.com)

## T16050EVO

## Barring Over Air Motor, 2500 FT-LBS, 1" Drive, for GEVO Engines



The T16050EVO Barring Over Motor is the same motor used to install and remove FDL Power Assemblies with a new reaction plate. Due to the increased barring drag in Evolution engines this motor is now used as a barring motor.

## T80170

## Stud Driver - 45 MM - for GEVO Main Bearing Studs



The T80170 and T80170R are used to install and remove the 45 MM X 2 main bearing studs. After the tool is finished installing/removing stud by using the large hex pattern on the body, the tool is removed by turning the hex on the top in the opposite direction.

## T80170R

## Stud Remover - 45 MM - for GEVO Main Bearing Studs



The T80170 and T80170R are used to install and remove the 45 MM X 2 main bearing studs. After the tool is finished installing/removing stud by using the large hex pattern on the body, the tool is removed by turning the hex on the top in the opposite direction.

T80790

## Main Bearing Shell Remover for GEVO Engines



This brass insert is inserted into the crankshaft oil hole and the engine is slowly barred to remove the top main bearing shell.

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T80830

## Main Bearing Nut Wrench for GEVO Engines



The T80830 70 MM open end is used to turn the main bearing nuts.

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T80850

## Main Bearing Cap Nut Runner Tool (3/8" Square Drive) GEVO Engines



This tool engages the main bearing cap nut utilizing two balls 180 degrees apart. The tool is applied to the nut by pulling the knurled collar back allowing the balls to recede into the tool. By turning the tool these balls engage the nut and the collar can be released locking the tool to the cap nut. The tool can then be turned by using a 3/8" palm ratchet.

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T81051

## Pneumatic Torque Kit for Main Bearing Side Bolts - for A/C 6000 and GEVO Engines



T81252

## Crankshaft Deflection Gauge Kit - Contains Mandrels for HDL, FDL and GEVO Engines - .0001" Graduations



This gage is used to determine crankshaft deflection during alternator installation on Evolution, HDL and FDL engines. Simply attach the proper length mandrel onto the gage to correspond with the engine being serviced. Directly below the gage is a counterweight so that when the gage is positioned between the webs, it will automatically face downward displaying the gage face. The kit comes complete in a compact storage box for added protection.

The dial indicator has .0001" graduations

Replacement parts are available.

T81251EM Evolution Mandrel

T81251HM HDL Mandrel

T81251FM FDL Mandrel

T81380

## Main Bearing Sensor Torque Adapter for GEVO Engines



T81731MB

## Hydraulic Tensioning Kit for Main Bearing Studs - GEVO Engines



T81920

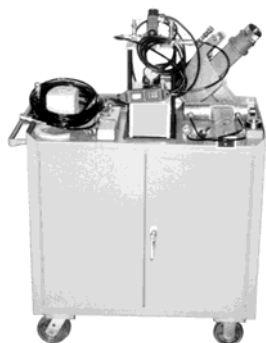
## Main Bearing Cap Side Bolt Socket - 1" Drive x 1 1/16" 12 Point Socket

Part of T81051 GEVO Main Bearing Side Bolt Torque Kit



T85050

## Main Bearing Cap and Bearing Cap Tensioner Cylinder Lifter Kit for GEVO Engines



This kit consists of tooling necessary to lift and lower both the main bearing caps as well as the hydraulic main bearing stud tensioner cylinders on GEVO Engines. The kit consists of the following:

- T85050SL - Main hydraulic jack
- T85050CL - Auxiliary jack / cap lifter
- T85050TL - Tensioner lifting bracket
- T85050W - Wrench for use on the main bearing tensioner cylinders
- T80830 - Wrench for use on the main bearing nuts
- Hydraulic pump
- Hydraulic Hose Assemblies
- Storage Cart

T85050-9

Adapter for 7th & 9th Bearing -Main Bearing Cap and Bearing Cap Tensioner  
Cylinder Lifter Kit for GEVO Engines



This adapter to the T85050 GEVO Main Bearing Cap Lifter is used where the internal oil baffles interfere with access to the 7th and 9th bearing caps.

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T85050CL

Auxiliary Jack / Cap Lifter for T85050 GEVO Main Bearing Cap Lifter Kit



T85050SL

Main Hydraulic Jack for T85050 GEVO Main Bearing Cap Lifter Kit



T85050TL

Tensioner Lifting Bracket for T85050 GEVO Main Bearing Cap Lifter Kit



T85050-W

## Main Bearing Tensioner Cylinder Wrench for GEVO Engines



The T85050W 2 1/2" open end is used to turn the hydraulic main bearing tensioning cylinders.

T85110

## Main Bearing Frame Spreader (Tool Only, No Pump) for GEVO Engines - Requires T85110P Pump



This spreader aids the installation and removal of EVO main bearing caps. In cases that the cap does not drop when the main bearing stud nuts and side bolts are released, a slight spreading of the jaw is needed. The spreader is placed on the lower edge of the main frame and a hydraulic pump is connected. Pump and hose not included.

T85261S

## Crankshaft Speed Sensor Socket (1/2" Sq. Drive) for GEVO Engines



The T85261 features a slot in the 1 3/16" deepwell that allows the sensor wire to escape. The wire can be wrapped around the plastic spool and retained with the velcro straps. The extension has a 1/2" square drive. The tool measures just under 12" and the extension is free to be removed from the socket.

T85291-1

GEVO Speed Sensor Alignment Tool (Tapered)



T85291-2

GEVO Speed Sensor Alignment Tool (Straight Sided Slot)



T85650

Barring Arbor for GEVO Engines



The T85650 Barring Arbor is needed in the new Evolution Engines that are not equipped with a barring gear box. The arbor is installed into the gear cover and a T22040 or T16050EVO Barring Over Tool is used to power the arbor.

Caution: When the barring operation is complete the barring arbor must be removed and the gear cover reassembled.

T85850

Alternator Coupling "Dirty 30" Bolt Speeder Socket - 3/8" Square Drive



This speeder is used on the "dirty 30" alternator coupling bolts. The speeder has a 3/8" square drive and a knurled outer diameter for easy handling.

T86770

## GEVO Pneumatic Barring Over Tool With Remote Control



This kit features the T16050EVO barring over motor with a remote control feature with 20 feet of hose. The replacement hose and air valve are available as an individual part number - T22030HH.

1 [T16050EVO](#) Air Motor

2 [T22031](#) Complete Remote Control Unit