



The Drive Shaft Shop
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GTO 9" Rear Conversion

Thank you for purchasing The Driveshaft Shop GTO 9" Rear Conversion Kit. We have created this system as a direct bolt in kit with all the necessary hardware included. Please follow the guidelines below to make the installation as straightforward as possible. There are also several pictures of this kit installed on a vehicle on our website www.driveshaftshop.com.

- Must use the supplied Fel-Pro gasket and RTV both sides, also RTV the aluminum axle side plates prior to install.
- The factory mounting locations and hardware will be used to mount the front bracket, rear bracket and pinion support to the chassis. Follow recommended factory torque settings for these bolts.
- Use the (2) supplied 1-3/4" long threaded spacers and (4) 1/2-20 x 1" socket head bolts between the front pinion support bracket and chassis mounting holes.
- The front pinion support bracket will mount to the pinion support on the center section using the supplied longer (4) 3/8-16 x 1-3/4" socket head bolts. Do not use the existing bolts the pinion support is mounted to the center section with at time of shipping.
- The housing is designed for use with a steel center section (like the Strange S-Series case), different cases may require modifications to fit correctly (only at the top of the cradle).
- Use a 4-1/16" long 1350 series pinion yoke (most standard aftermarket yokes are this length).
- Use no more than 2 quarts of gear oil in the housing. We recommend Lucas 85W-140 (NON-SYNTHETIC ONLY)
- Be sure to install the supplied barb into the threaded vent hole in the housing and route the supplied hose to connect with the factory differential vent line.
- The supplied housing, brackets (and center section if purchased from DSS) are fully powdercoated, but if you purchased your own center section it may not be. If you are using a steel center section, it is recommended that you paint the case before installation or it will rust.
- The housing has ABS sensor brackets integrated into the diff stub flanges, install your factory ABS sensors here.
- Break-in Procedure for Street Gears
 - 1) No harsh acceleration!
 - 2) Drive vehicle 50 miles
 - 3) Allow 1/2 hour for cool down
 - 4) Repeat for total of 250 miles
 - 5) At 500 miles, drain oil, remove the center section, fully clean, use a fresh gasket and reinstall

The GTO 9" Rear Conversion kit is designed as a direct bolt-in, however, we strongly recommend professional installation of this system and will not be responsible for damaged parts due to improper installation. If you have any questions or concerns about the kit or the installation, feel free to call or email us and we will be glad to assist you.

Hardware and Torque Specs:

- (4) 3/8-16 x 1-3/4" Socket Head Pinion Support Bolts -49 lb-ft
- (4) 1/2-20 x 1" Bolts for 1-3/4" Long Threaded Spacers -120 lb-ft
- (2) 5/8-18 x 3-1/2" Bolts / Flat Washers for Rear Bracket mounting to Diff housing -250 lb-ft
- (8) 3/8-24 x 3/4" Socket Head Bolts for Diff Stub Retaining Plates -54 lb-ft
- (12) 10mm Socket Head Axle to Diff Stub Bolts- 57 lb-ft
- (10) 3/8-24 Hex Nuts for Center Section to Housing- 50 lb-ft