



The Drive Shaft Shop  
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### **Hellcat 9" Rear Conversion**

Thank you for purchasing The Driveshaft Shop Hellcat 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.

- Must use the supplied Fel-Pro gasket and RTV both sides, also RTV the aluminum axle side plates prior to install.
- Use the (2) supplied M10X1.5X70 bolts for the front pinion support mount (2 bolts) into the chassis. The rear of the 9" housing will mount using existing differential mounting hardware.
- The housing is designed for use with the Strange Pro series cases and 4-1/16" long 1350 series pinion yoke (most standard aftermarket yokes are this length). Different center section cases may require modifications to fit correctly.
- Be sure to transfer the ABS Tone Rings from the OEM axles to the new DSS axles supplied with the kit. The axles are machined to accept them, carefully tap them off of the existing axles and tap them onto the new DSS Axles.
- Use no more than 2 quarts of gear oil in the housing. We recommend Lucas 85W-140 (NON-SYNTHETIC ONLY). And 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.
- 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 Hellcat 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:

- (5) 7/16-14x2-1/4" hex Head Pinion Support Bolts -57 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