

Pinion Seal Installation Tools and Installation Instructions

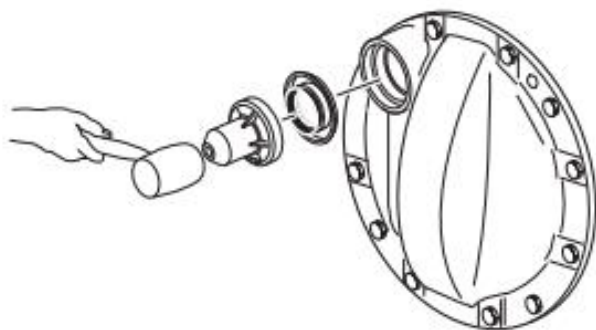
Dana strongly recommends using seal installation tools when installing new seals. The use of proper tools ensures that the seal is square and installed to the proper depth. Follow the instructions below for proper seal installation, make sure to follow all notes and warnings. Failure to follow specific instructions may result in personal injury and/or component damage.

IMPORTANT: Oil seals can be easily damaged prior to installation. Use care when handling the new seal to prevent damage or contamination. Leave the seal in its package until installation.

1. Remove end yoke using appropriate tools.
2. Remove old pinion oil seal. Use care when removing the seal to prevent damage to the housing seal bore or bearing cage.
3. Inspect the seal bore area for any damages (nicks, gouges, corrosion). Carefully remove any slight damage with a crocus cloth. Clean the bore area to remove any loose debris.

CAUTION: Do not use any silicone or permatex type bore sealant with this seal.

4. Install seal with the proper installation tool; see “Spicer Oil Seal Installation Tools” for correct service part numbers.
5. Handle the seal by its outside diameter, avoiding any contact with the seal lips. During installation, use the proper driver to make sure that the seal is mounted properly.
6. Use a rubber mallet to drive the seal tool in until the flange bottoms on the housing cover bore face. The flange will locate the seal at the proper depth.
7. Install yoke using proper procedures outlined in your Dana service manual.



WARNING: Due to the resiliency of the plastic driver, hammer rebound may occur when the seal is seated. Keep clear of the hammer-rebound path!

Spicer Oil Seal Installation Tools:

Listed below are oil seal driver kits for some popular Dana Tandem Drive axle models. These kits are available from your local parts dealer.

Models: All D/R344, 404, 405, 454, DSP/RSP40, DSP/RSP41, DST40, DST41, DSH/RSH40, DSH/RSH44

Models: All D/R155

Order Service Kit: 217414

D-Input	Use driver p/n 126917 only
D-Output	Use driver p/n 126917 plus insert 128706HX
R-Pinion	Use driver p/n 126917 only

Order Service Kit: 504300

D-Input	Use driver p/n 126917 plus insert 10021492
D-Output	Use driver p/n 126917 plus insert 10021495
R-Pinion	Use driver p/n 126917 plus insert 10021492

Models: All D/R156

Models: All D/R341, 402, 403, 451

Order Service Kit: 504325

D-Input	Use driver p/n 126917 plus insert 10021493
D-Output	Use driver p/n 126917 plus insert 10021494
R-Pinion	Use driver p/n 126917 plus insert 10021492

Order Service Kit: 212139

D-Input	Use driver p/n 126917 plus insert 127787
D-Output	Use driver p/n 127786 only
R-Pinion	Use driver p/n 126917 only

Models: All D/R461, 462, 463, 521, 581, 651, 652, 653

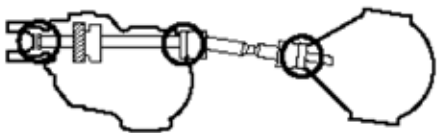
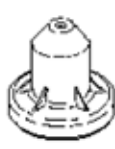

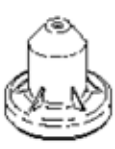



Models: All D/R170, 172, 190, 590

Order Service Kit: 217590

D-Input	Use driver p/n 210749 plus insert 210750
D-Output	Use driver p/n 210751 only
R-Pinion	Use driver p/n 210749 only

Order Service Kit: 513349-1

D-Input	Use driver p/n 210749 plus insert 10095470
D-Output	Use driver p/n 131471 only
R-Pinion	Use driver p/n 210749 plus insert 10095470

	D-Input	D-Output	R-Pinion
Location			
Tool			
Seal			

Pictured are the seal locations and typical Dana seal installation tools. The Dana 404 tandem drive axle tools are shown in this picture.

SpicerParts.com

Dana Aftermarket Group

PO Box 1000 Maumee, Ohio 43537

Warehouse Distributors: 1.800.621.8084

OE Dealers: 1.877.777.5360

Follow SpicerParts [f](#) [t](#) [@](#) [in](#)

© 2020 Dana Limited. All rights reserved. SHAIS157F

SPICER®

