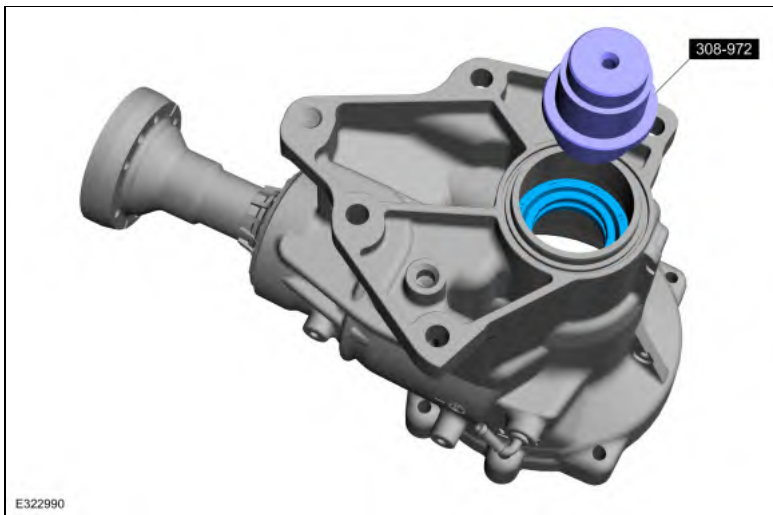




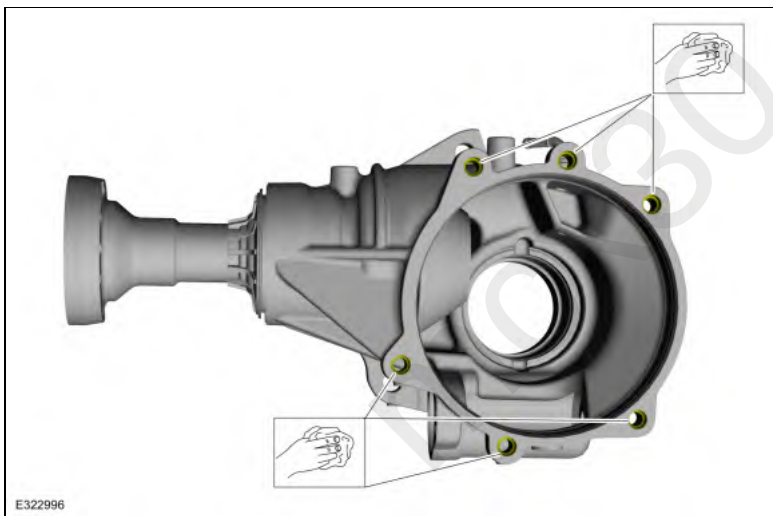
Using the special tools, remove and discard the LH input shaft seal. Use Special Service Tool: 308-972 Installer, Input Sleeve.

[Click here to view a video version of this procedure.](#)



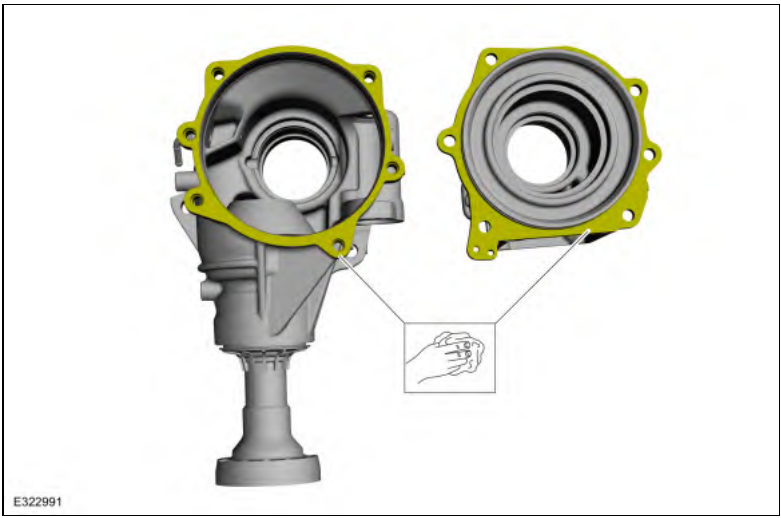
Installation

1. Make sure that the threaded holes are clean and free of foreign matter.



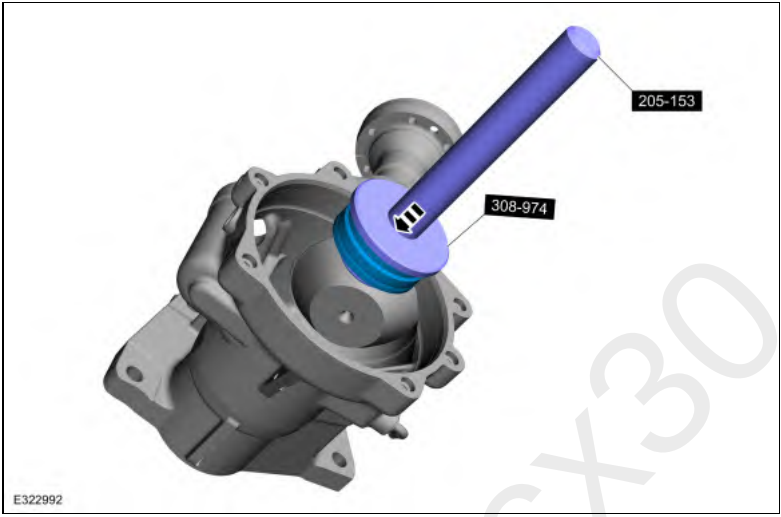
2. Clean and inspect housing.
Material: Motorcraft® Metal Brake Parts Cleaner / PM-4-A, PM-4-B

Click [here](#) to view a video version of this procedure.



3. **NOTE:** [Tool Video](#)

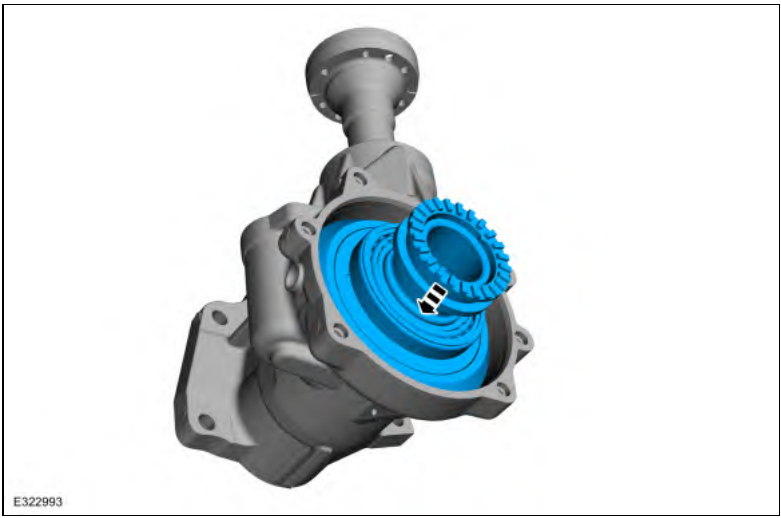
Install the new LH input shaft seal.



4. **NOTE:** *Install shim and bearing race if they came out when the seal was removed.*

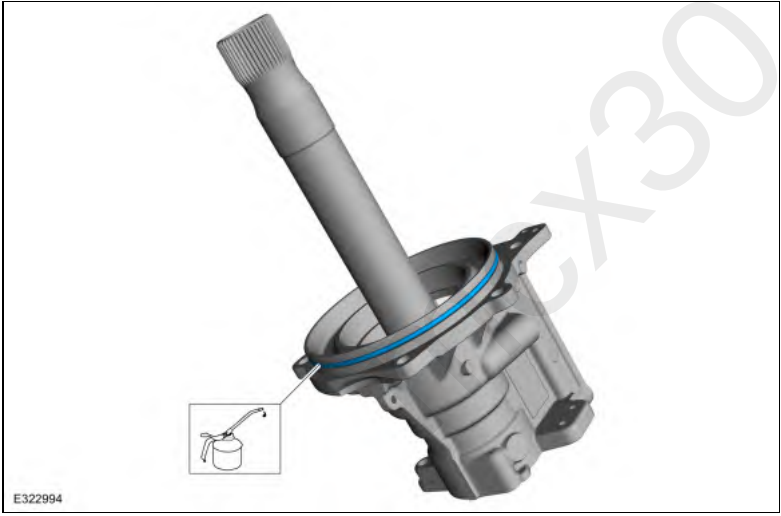
Install Input shaft and ring gear.

[Click here to view a video version of this procedure.](#)

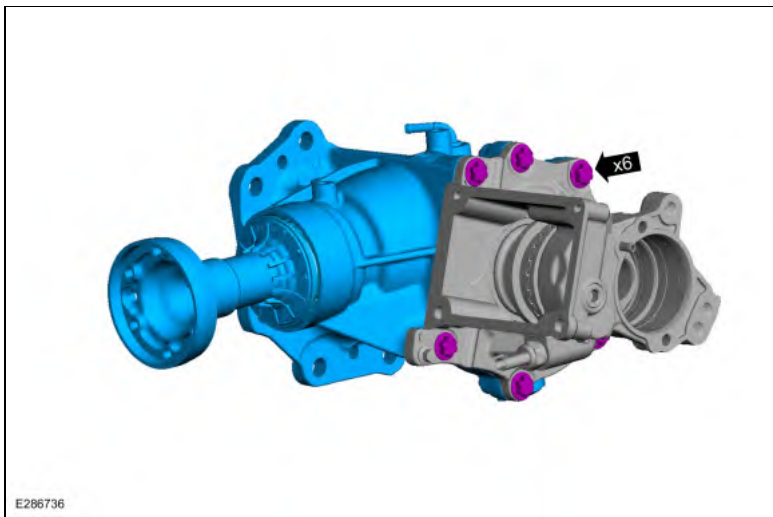


5. **NOTE:** Make sure a new component is installed.

Apply a thin coating of lubricant to the O-ring seal.
Lubricate and install the new O ring.
Material: Motorcraft® SAE 75W-85 Premium Synthetic Hypoid Gear Lubricant / XY-75W85-QL (WSS-M2C942-A)



6. Install new PTU case bolts.
Torque:
Stage 1: 22 lb.ft (30 Nm)
Stage 2: 50Â°



7.

[Click here to view a video version of this procedure.](#)

8. Install the PTU oil temperature sensor.

Refer to: Oil Temperature Sensor (308-07B Power Transfer Unit - 2.0L EcoBoost (184kW/250PS) â€“ MI4, Removal and Installation).

9. Install the PTU cooler.

Refer to: Power Transfer Unit Cooler - Vehicles With: Power Transfer Unit Oil-to-Coolant Cooler (308-07B Power Transfer Unit - 2.0L EcoBoost (184kW/250PS) â€“ MI4, Removal and Installation).

10. Install the PTU actuator motor.

Refer to: Power Transfer Unit Actuator Motor (308-07B Power Transfer Unit - 2.0L EcoBoost (184kW/250PS) â€“ MI4, Removal and Installation).

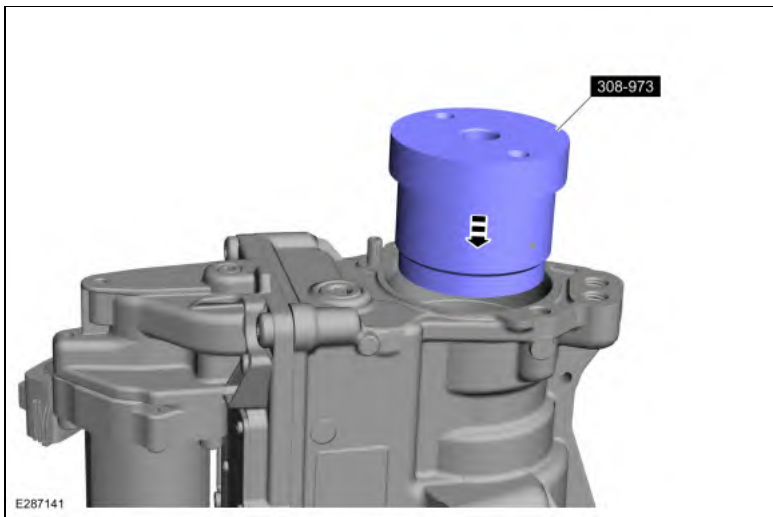
Power Transfer Unit Input Shaft Seal RH

Special Tool(s) / General Equipment

 E129694	100-001 (T50T-100-A) Slide Hammer
 E133913	205-153 (T80T-4000-W) Handle
 E160461	308-777 Remover and Installer, PTU Input Shaft Seal
 E276355	308-970 Installer, RH halfshaft Seal
 E276358	308-973 Remover, PTU Input Sleeve

Removal

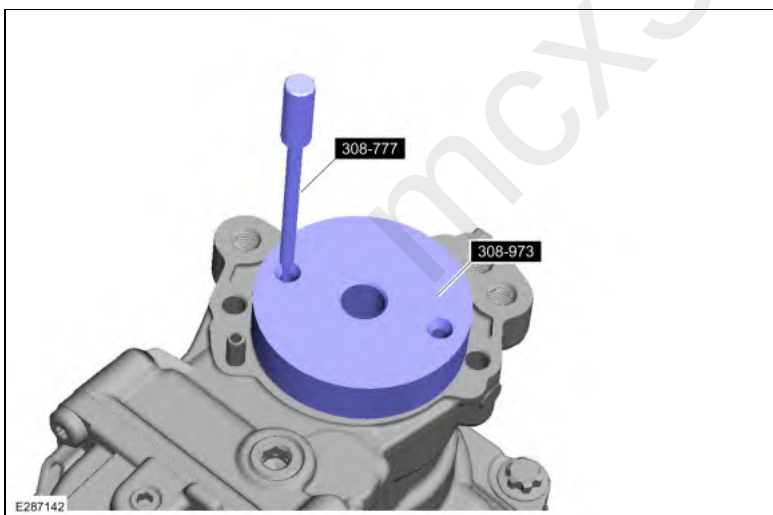
1. With the vehicle in NEUTRAL, position it on a hoist.
Refer to: Jacking and Lifting - Overview (100-02 Jacking and Lifting, Description and Operation).
2. Remove the intermediate shaft.
Refer to: Intermediate Shaft (205-04 Front Drive Halfshafts, Removal and Installation).
3. Position the tool on top of the seal.
Use Special Service Tool: 308-973 Remover, PTU Input Sleeve.



4. **NOTE:** Make sure piercing tool stops on the sleeve tool for proper piercing of the seal.

Using the tool, pierce the seal.

Use Special Service Tool: 308-973 Remover, PTU Input Sleeve. , 308-777 Remover and Installer, PTU Input Shaft Seal.



5. Install the screws and tighten until the tool firmly attaches to the seal.
Use Special Service Tool: 308-973 Remover, PTU Input Sleeve.