

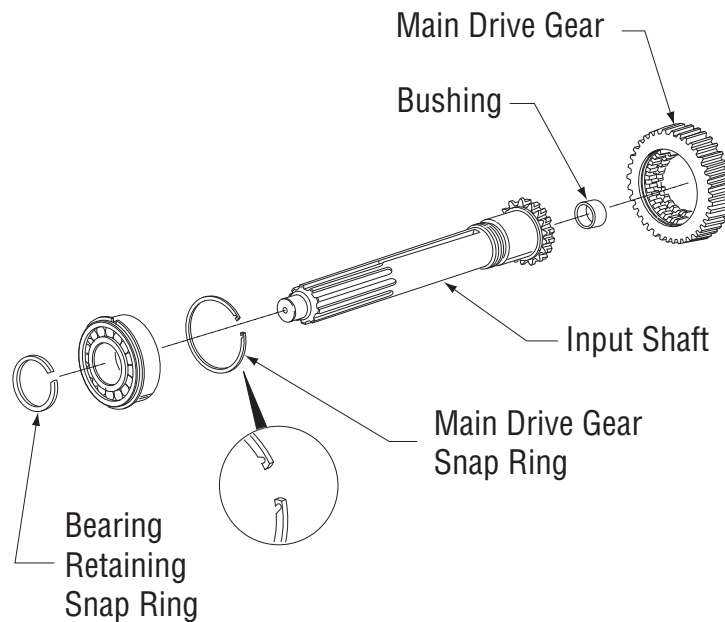
How to Install the Input Shaft and Main Drive Gear

Special Instructions

None

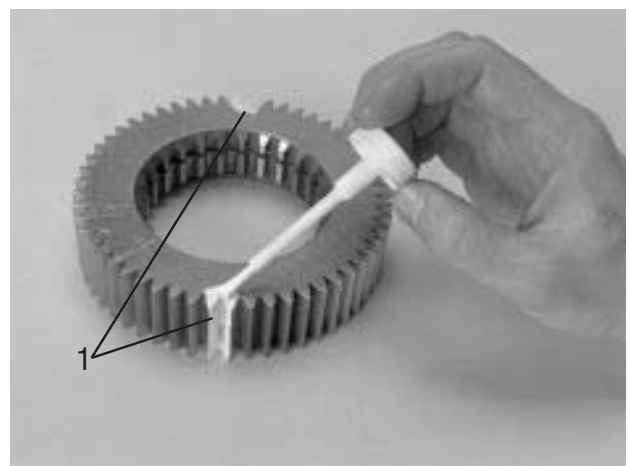
Special Tools

- RR1005TR Input Bearing Driver
- RR1019TR Hand Maul
- RR1020TR Soft Bar

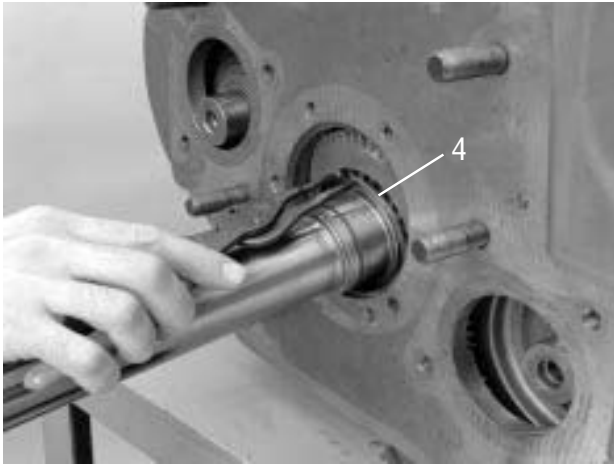


Procedure -

1. Use a highly visible Toolmaker's Dye and mark the Main Drive Gear for timing purposes. To mark the gear, paint the Toolmaker's Dye on any two adjacent teeth, and then paint the two adjacent teeth directly opposite the first two teeth.
2. If necessary, install the Bushing in the back of the Input Shaft.
3. From inside the Case, position and hold the Main Drive Gear in its approximate position.

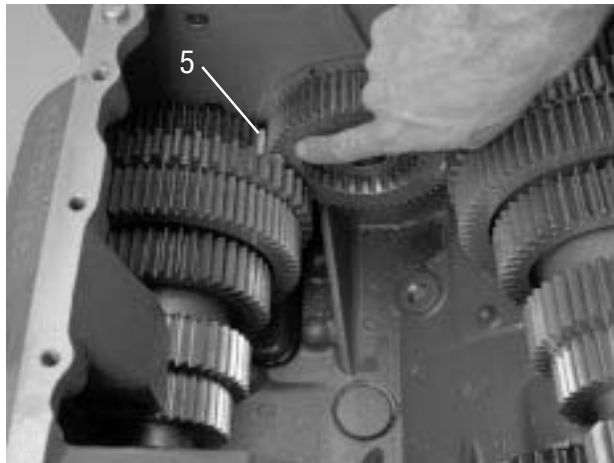


Transmission Overhaul Procedures - Bench Service

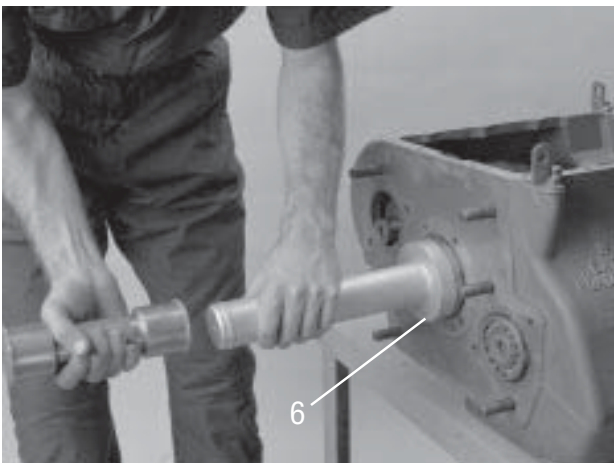


4. From the front, slide the Input Shaft into the Main Drive Gear, and install the Snap Ring to trap the shaft in the gear.

Note: You may notice backlash between the external spline teeth of the input shaft and the internal spline teeth of the main drive gear. The backlash is normal.



5. Inside the case, mesh the marked tooth on the Lower Countershaft Drive Gear with either set of marked teeth on the Main Drive Gear.



6. While holding the Main Drive Gear in the proper position and in time with the Lower Countershaft, slide the Input Bearing over the Input Shaft and start it into its bore. Use RR1005TR Bearing Driver and RR1019TR Hand Maul to drive it into position until the Snap Ring bottoms on the Case.

Note: The Input Bearing is not fully installed at this point.

7. Temporarily install the Input Bearing Cover with two or more capscrews.
8. From inside the Main Case, drive the Input Shaft forward with RR1020TR Soft Bar and RR1019TR Hand Maul until it is fully seated.
9. Remove the Input Bearing Cover, and install the Input Bearing Retaining Snap Ring.
10. Do not reinstall the Input Bearing Cover at this time. Instead, pull the Input Shaft and Bearing forward to allow for Mainshaft installation.

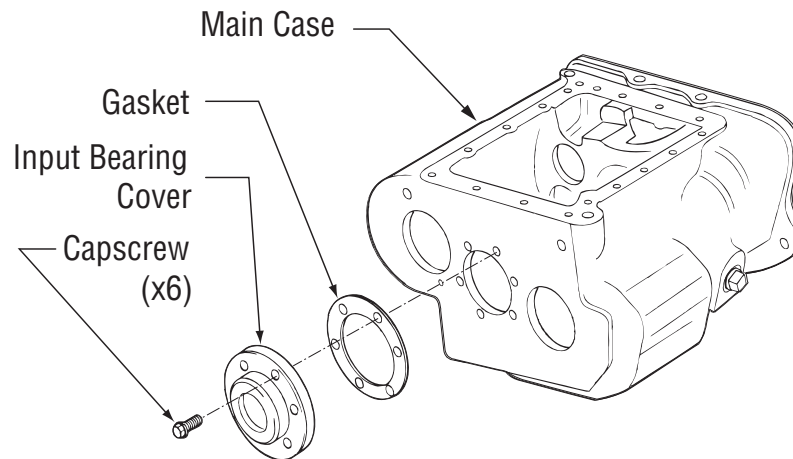
How to Install the Input Bearing Cover

Special Instructions

None

Special Tools

- Torque Wrench, 50 lb. ft. capacity



Procedure -

1. Tap the Input Shaft and Bearing rearward to seat the Bearing Snap Ring against the Main Case.
2. Slide a new gasket and the Input Bearing Cover over the Input Shaft. Make sure the oil return hole in the cover and gasket is aligned with the hole in the front of the Case.
3. Apply Eaton®Fuller® Thread Sealant #71205 or equivalent to the capscrew threads, and install the six (6) Capscrews. Torque the Capscrews to 40–45 lb. ft. (54–61 N•m).