



Figure 5-49. Bearing Housing Locknuts

Remove Mainshaft

NOTE

- The mainshaft fourth gear, third gear, second gear and first gear are integral parts of the shaft. Damage to any gear requires mainshaft replacement.
- Always replace bearing housing bearings.

1. See Figure 5-50. Using 714 (OTC HORSESHOE LOCK RING PLIERS.), remove retaining ring.
2. Remove dog ring (3), guiding hub (2), mainshaft fifth gear (4) and bearing.

NOTE

Do not press directly on the end of the mainshaft. Use a spacer between the end of the mainshaft and the press ram.

3. Press mainshaft out of bearing housing bearing.
4. Replace bearing housing bearing. See procedure later in this section.

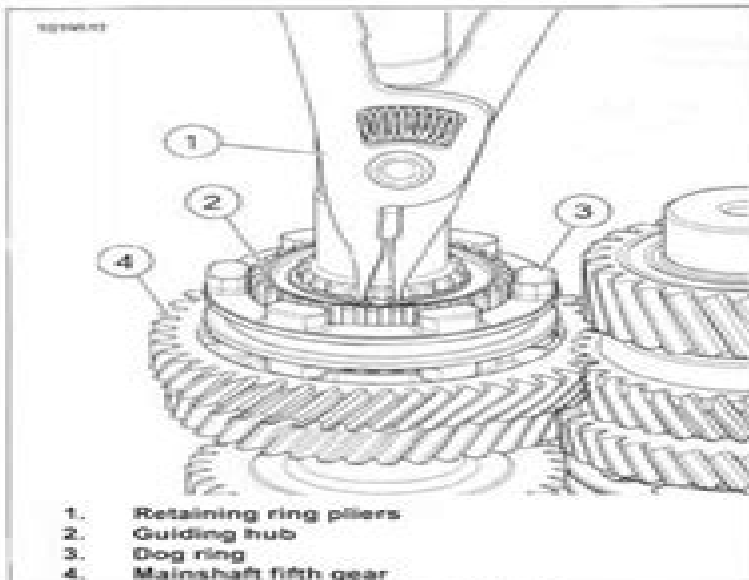


Figure 5-50. Mainshaft Fifth Gear

Remove Countershaft

NOTE

Do not press directly on the end of the countershaft. Place a spacer between the end of the countershaft and the press ram.

1. If mainshaft is not removed, hold countershaft third and fourth gear shift dog up while removing countershaft.
2. Press countershaft out of bearing housing bearing.
3. See Figure 5-51. Remove washer (1), countershaft first gear (2) and bearing.
4. Remove countershaft second, third and fourth gears.
 - a. See Figure 5-52. Remove dog ring (5).
 - b. Remove lock ring (1).
 - c. Remove securing segments (2).
 - d. Remove guiding hub (3), countershaft second gear (4) and bearing.
 - e. See Figure 5-53 and Figure 5-54. Repeat steps with third and fourth gears.

NOTE

The countershaft fifth gear and sixth gear are integral parts of the shaft. Damage to either gear requires countershaft replacement.

5. Replace bearing housing bearing. See procedure later in this section.

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