



9. To remove the reverse idler shaft and gear assembly, remove the set screw (3) and remove the shaft, reverse idler gear assembly (2) and expansion plug (4). Press the bushing out of the reverse idler gear if the bushing is to be replaced.

10. Remove the bearings (1 and 5) from the transmission case if they are to be replaced.

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| 1. Spline and clutch shaft rear bearing | 4. Expansion plug |
| 2. Reverse idler gear assembly | 5. Countershaft rear bearing |
| 3. Set screw | 6. Oil passage |

INSPECTION AND REPAIR

1. Wash all parts in cleaning solvent and dry with compressed air. Do not spin bearings.

2. Check all bearings for looseness, wear, roughness, pitting and scoring, and replace if necessary.

3. Check the gears and shafts for wear and burrs. Remove any burrs with a fine stone.

4. Inspect the housing for cracks, restricted oil passages or raised places on its machine faces. Smooth off raised places with a file.

5. Be sure to install new oil seals, gaskets and O-rings.

6. Thoroughly lubricate all parts with Hy-Tran before reassembly.