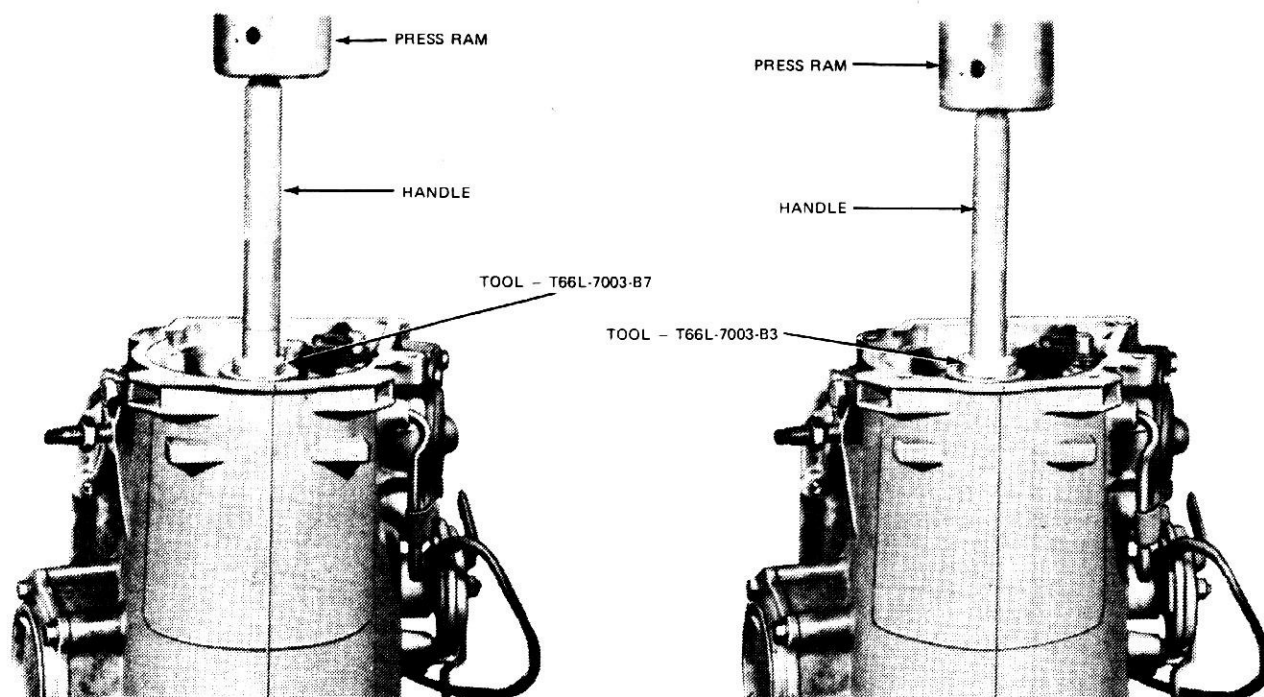
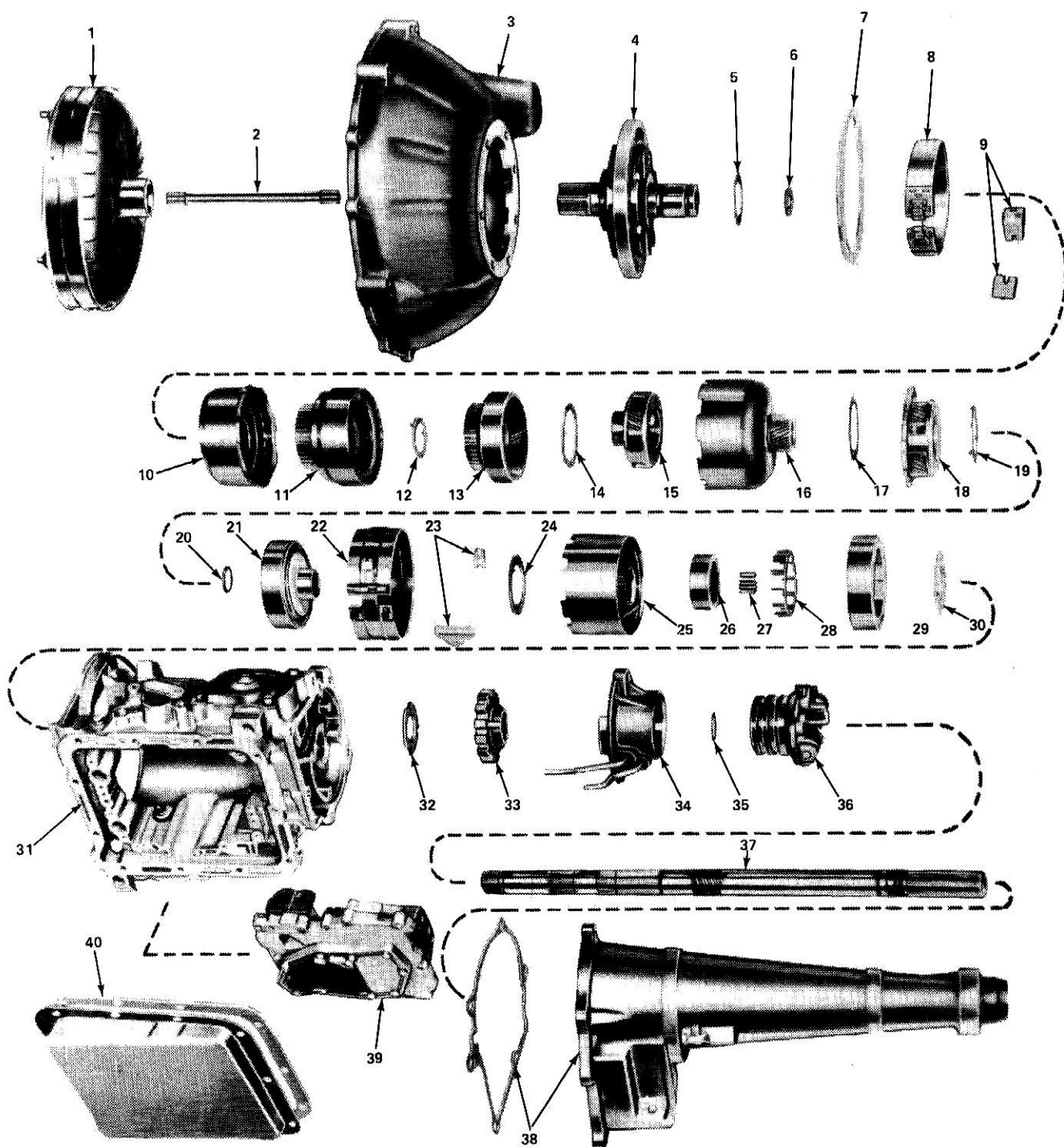




D1730-2B

FIG. 34 Replacing Transmission Case Bushing

- e. Remove the intermediate brake drum and forward clutch unit from the stator support.
- f. Install the selected thrust washers (No. 1 and 2) on the front pump stator support (Fig. 19) using enough petroleum jelly to hold the thrust washers in position during the front pump installation.
20. Install thrust washer No. 3 on forward clutch (Fig. 44).
21. Install the forward clutch hub and ring gear in the forward clutch. Rotate the units to mesh the forward clutch plates with the splines on the forward clutch hub (Fig. 45).
22. Install thrust washer No. 4 on the front planet carrier (Fig. 46). Install the front planet carrier into the forward clutch hub and ring gear (Fig. 47). **Check the forward thrust bearing race inside the planet carrier for proper location against the thrust bearing. Make sure the race is centered for alignment with the sun gear on the input shell (Fig. 48).**
23. Install the input shell and sun gear on the gear train (Fig. 48). Rotate the input shell to engage the drive lugs of the reverse-high clutch. **If the drive lugs do not engage, the outer race inside the forward planet carrier is not centered to engage the end of the sun gear inside the input shell. Center the thrust bearing race and install the input shell.**
24. Hold the gear train together and install the forward part of the gear train assembly in the case (Fig. 24).
The input shell sun gear must mesh with the reverse pinion gears. The front planet carrier internal splines must mesh with the splines on the output shaft.
25. **A new band should be soaked in transmission fluid for fifteen minutes before it is installed.** Install the intermediate band through the front of the case (Fig. 22).
26. Install a new front pump gasket on the case. Line up the bolt holes in the gasket with the holes in the case.
27. Install the front pump stator support into the reverse-high clutch. Align the pump-to-case attaching bolt holes. Install the front pump-to-case attaching bolts and torque them to specification.
28. Install the input shaft (Fig. 20). **Be sure the short splined end is installed toward the rear of the transmission.** Rotate the holding fixture to place the transmission in a horizontal position. Check the transmission end play as shown in Fig. 18. If the end play is not within specification, either the wrong selective thrust washers (Fig. 19) were used, or one of the 10 thrust washers (Fig. 35) is not properly positioned.
29. Remove the dial indicator used for checking the end play and install the one front pump-to-case attaching bolt. Torque the bolt to specification.
30. Place the converter housing on the transmission case. Install the five converter housing-to-case attaching bolts. Torque the bolts to specification.
31. Install the intermediate and low-reverse band adjusting screws in the case. Install the struts for each band (Fig. 17).
32. Adjust the intermediate and low-reverse band. Refer to the Adjustment Section of this Part for band adjusting procedures.
33. Install a universal joint yoke on the output shaft. Rotate the input and output shafts in both



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|----------------------------------|---|--|--|
| 1. CONVERTER - 7902 | 13. FORWARD CLUTCH HUB - 7B067 AND RING GEAR - 7A153 | 23. BAND STRUTS - 7A125 | 33. PARKING GEAR - 7A233 |
| 2. INPUT SHAFT - 7D15 | 14. THRUST WASHER NO. 4 | 24. THRUST WASHER NO. 8 | 34. GOVERNOR DISTRIBUTOR SLEEVE - 7C232 |
| 3. CONVERTER HOUSING - 7976 | 15. FRONT PLANET CARRIER - 7A398 | 25. LOW AND REVERSE DRUM - 7C498 | 35. SNAP RING |
| 4. FRONT PUMP - 7A103 | 16. INPUT SHELL - 7D064, SUN GEAR - 7D063 AND THRUST WASHER NO. 5 | 26. ONE-WAY CLUTCH INNER RACE - 7D171 | 36. GOVERNOR AND DISTRIBUTOR ASSY - 7C053 (AUTOMATIC ONLY) |
| 5. THRUST WASHER NO. 1 | 17. THRUST WASHER NO. 6 | 27. ROLLER (12) - 7190 AND SPRING (12) - 7D170 | 37. OUTPUT SHAFT - 7060 |
| 6. THRUST WASHER NO. 2 | 18. REVERSE PLANET CARRIER - 7D106 | 28. SPRING AND ROLLER CAGE - 7D191 | 38. EXTENSION HOUSING - 7A039 AND GASKET - 7086 |
| 7. FRONT PUMP GASKET - 7A136 | 19. THRUST WASHER NO. 7 | 29. ONE-WAY CLUTCH OUTER RACE - 7B456 | 39. CONTROL VALVE BODY - 7A100 |
| 8. INTERMEDIATE BAND - 7D034 | 20. SNAP RING | 30. THRUST WASHER NO. 9 | 40. OIL PAN - 7A194 AND GASKET - 7A191 |
| 9. BAND STRUTS - 7D029 | 21. REVERSE RING GEAR - 7A153 AND HUB - 7D164 | 31. CASE - 7005 | |
| 10. REVERSE AND HIGH CLUTCH DRUM | 22. LOW AND REVERSE BAND - 7D095 | 32. THRUST WASHER NO. 10 | |
| 11. FORWARD CLUTCH AND CYLINDER | | | |
| 12. THRUST WASHER NO. 3 | | | |

FIG. 35 Transmission Sub-Assemblies—Typical