

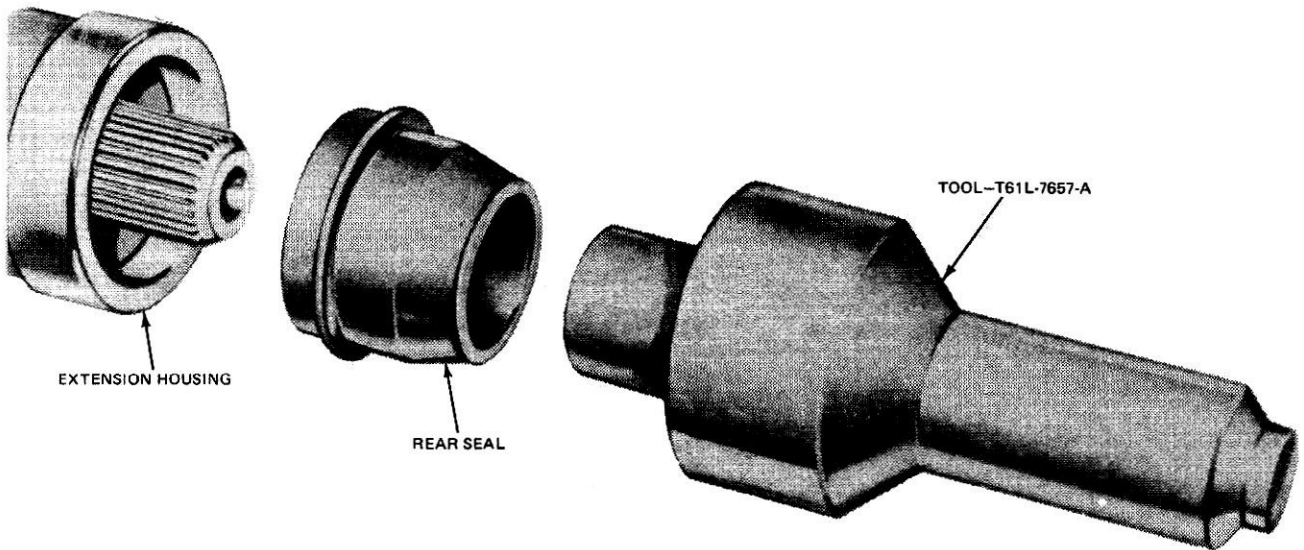


FIG. 12 Installing Extension Housing Seal

remove the rear support from the extension housing.

On an 8-cylinder Fairmont, Zephyr, Versailles, Granada or Monarch, it will be necessary to remove the crossmember in order to remove the engine rear support from the extension housing.

6. Loosen the extension housing attaching bolts to drain the transmission fluid.
7. Remove the six extension housing-to-case attaching bolts and remove the extension housing.
8. Install a new extension housing gasket on the case. Install the extension housing and six attaching bolts. Torque the bolts to specification.
9. Install the engine rear support on the extension housing.

On an 8-cylinder Fairmont, Zephyr, Versailles, Granada or Monarch, position the crossmember on the frame side supports and install the attaching bolts. Torque the bolts to specification, as listed at the end of this Part.

10. Lower the transmission and install the engine rear support-to- crossmember attaching bolts or nuts. Torque the bolts or nuts to specification, as listed at the end of this Part. Remove the transmission jack.
11. On an 8-cylinder Fairmont, Zephyr, Versailles, Granada or Monarch, connect the muffler inlet pipe to the exhaust manifolds.
12. Install the speedometer cable in the extension housing. Install the drive shaft.
13. Lower the vehicle and fill the transmission with fluid.
14. Check the extension housing area for fluid leakage.

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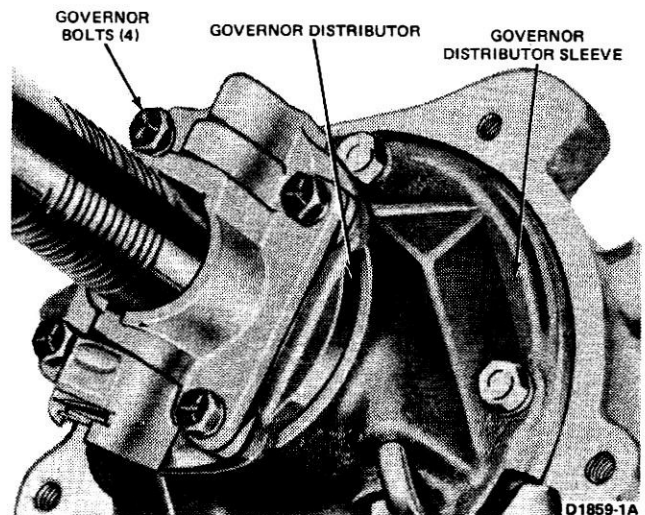


FIG. 13 Governor Installed

GOVERNOR

1. Remove the extension housing as outlined in this Part of the manual.
2. Remove the governor housing-to-governor distributor attaching bolts (Fig. 13). Remove the governor housing from the distributor.
3. Refer to the Disassembly and Assembly Section of this Part for governor repair operations.
4. Install the governor housing on the governor distributor (Fig. 13). Install the attaching bolts and torque the bolts to specification, as listed at the end of this Part.
5. Reinstall the extension housing, as outlined in this Part of the manual.

DISASSEMBLY AND ASSEMBLY

TRANSMISSION

Before removing any of the subassemblies, thoroughly clean the outside of the transmission to prevent dirt from entering the mechanical parts. During the repair operation, refer to Part 17-01 for cleaning and inspection procedures.

During the transmission disassembly or assembly operations, ten thrust washers located between the subassemblies must be removed and installed. **It is important that each thrust washer be installed in the correct position during the assembly operation.** To properly locate and identify the thrust washers, the various positions of the thrust washers are shown in the illustrations and are numbered 1 through 10. No. 1 is at the first thrust washer located at the front pump. The last thrust washer, No. 10 is located at the parking pawl ring gear.

During the repair of the subassemblies, certain general instructions which apply to all units of the transmissions must be followed. These instructions are given here to avoid unnecessary repetition.

Handle all transmission parts carefully to avoid nicking or burring the bearing or mating surfaces.

Lubricate all internal parts of the transmission, before assembly, with clean automatic transmission fluid. **Do not use any other lubricants, except on gaskets and thrust washers which may be coated with petroleum jelly to facilitate assembly.** Always install new gaskets when assembling the transmission.

Tighten all bolts and screws to the recommended torque as outlined in the Specifications at the end of this Part.

Disassembly

1. Remove the converter from the transmission front pump and converter housing.
2. Remove the transmission vacuum unit, and vacuum unit control rod.
3. Remove the primary throttle valve (Fig. 14) from the opening at the rear of the case.

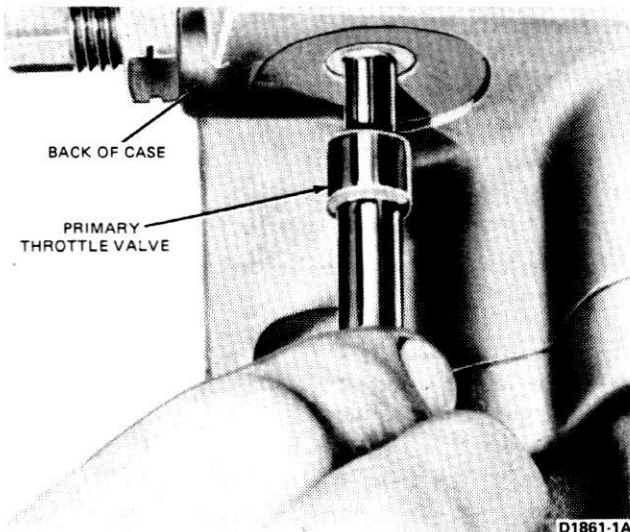


FIG. 14 Removing or Installing Primary Throttle Valve

4. Remove the two extension housing-to-case bolts shown in Fig. 15 and mount the transmission in the holding fixture.

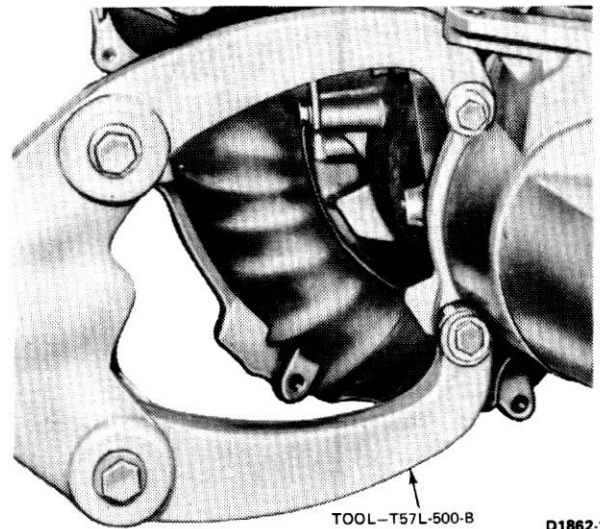


FIG. 15 Transmission Mounted in Holding Fixture

5. Remove the transmission pan attaching bolts, pan and gasket.
6. Remove the control valve body attaching bolts (Fig. 16). Remove the control valve body from the case.

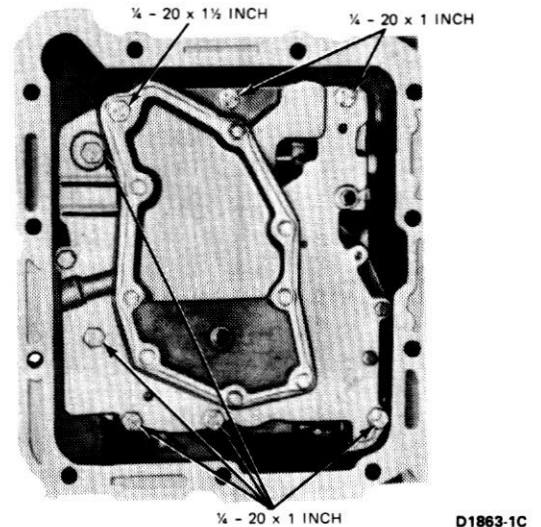


FIG. 16 Control Valve Body-To-Case Attaching Bolts—Typical

7. Loosen the intermediate band adjusting screw (Fig. 17) and remove the intermediate band struts from the case. Loosen the low-reverse band adjusting screw and remove the low-reverse band struts.

Transmission End Play Check

1. To keep the output shaft in alignment during the end play check, install the extension housing oil seal replacer tool or a front universal joint yoke in the extension housing.
2. Remove one of the converter housing-to-case attaching bolts and mount the dial indicator as shown in Fig. 18.