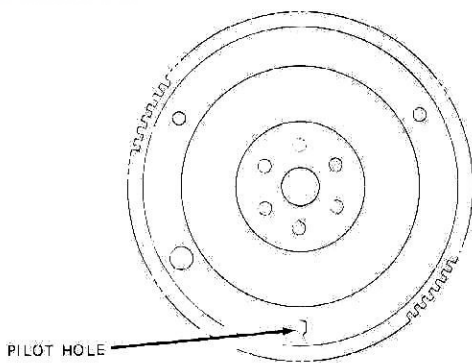




D2762-1B

FIG. 8 Flywheel Pilot Hole

When assembling the flywheel to the converter, first install the attaching bolt through the pilot hole and torque to specification (27-37 ft-lb). Install the remaining two bolts and torque to specification. If the first bolt is not installed in the pilot hole, a misalignment of the flywheel holes and the mating converter weld nuts may occur. This misalignment will cause difficulty in installing the remaining bolts, cross-threaded bolts, or interference between flywheel and bolt threads. Any of these conditions will result in improperly torqued flywheel-to-converter attaching bolts, which may contribute to transmission or flywheel failures or damage to the front pump or housing.

19. Install the converter drain plug access cover and adaptor plate bolts. Torque the bolts to specification.
20. Connect the muffler inlet pipe to the exhaust manifold.
21. Connect the transmission shift rod to the manual lever.
22. Connect the downshift rod to the downshift lever.
23. Connect the speedometer cable to the extension housing.
24. Install the drive shaft. Torque the companion flange U-bolt attaching nuts to specification.
25. Adjust the manual and downshift linkage as required.
26. Lower the vehicle. Fill the transmission to the proper level with the specified fluid.

Pour in five quarts of fluid; then run the engine and add fluid as required.

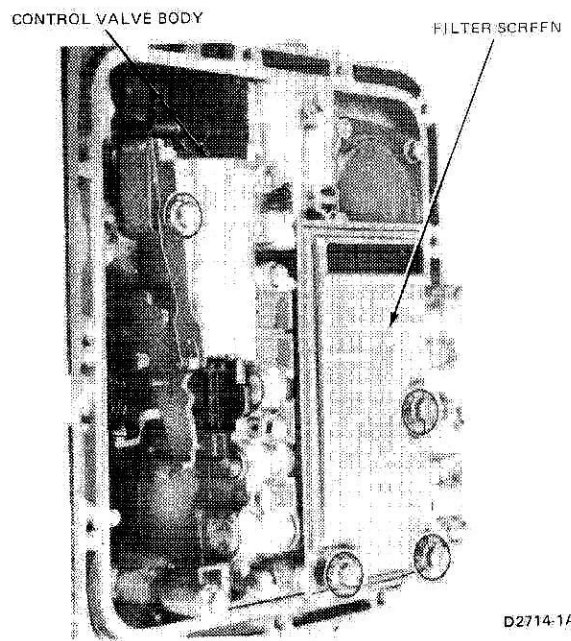
27. Check the transmission, converter assembly and oil cooler lines for leaks.

## CONTROL VALVE BODY

### Removal

Refer to Fig. 9.

1. Raise the vehicle on a hoist so the transmission fluid pan is accessible.
2. Loosen the pan attaching bolts and drain the fluid from the transmission. **If the same fluid is to be**



D2714-1A

FIG. 9 Control Valve Body

**used again, filter the fluid through a 100 mesh screen. Reuse the fluid only if it is in good condition.**

3. Remove the transmission fluid pan attaching bolts, pan and gasket.
4. Remove the filter screen, gasket and, if so equipped, three spacers (early models only).
5. Remove rear servo cover and gasket.
6. Remove the bolts from the control valve body. **Note that the bolts are of different lengths and their locations are different from the bolt locations on other automatic transmissions (Fig. 10). Carefully ease the body from the case while unlocking and detaching the selector lever connecting rod.**

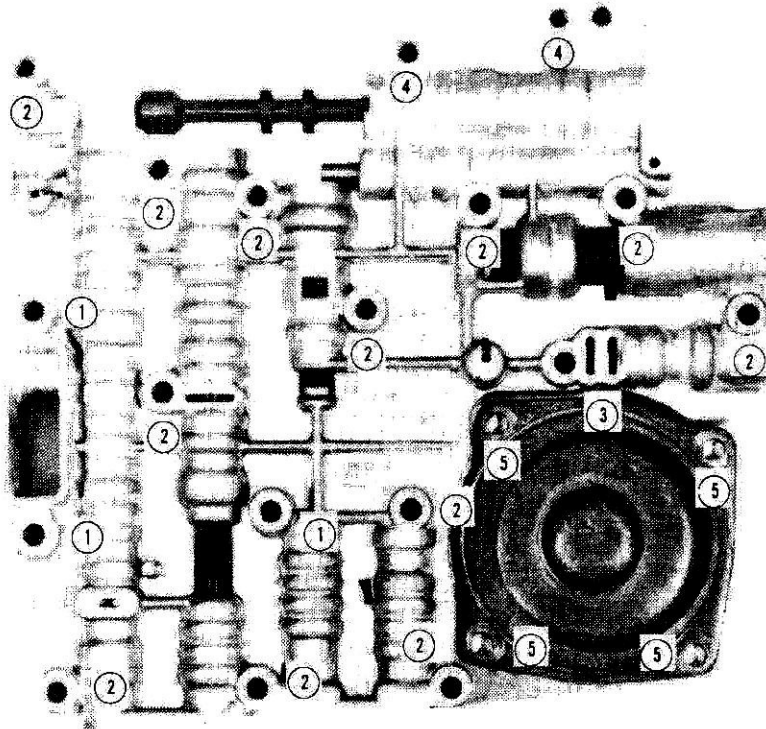
### Installation

1. Clean and inspect the valve body, as described in Part 17-01, prior to installation.
2. Attach and lock the selector lever connecting rod, and ease the control valve body to the case.
3. Install the valve body retaining bolts. (Since the bolts are of different lengths be sure to install each in its correct location.) Torque the bolts to specification.
4. Install the rear servo cover and gasket.
5. Clean the filter screen with solvent. Then install the filter screen gasket.

When installing the filter screen and gasket **do not use spacers, as was done on former models.**

**To do this would reduce control pressure and malfunction or failure would result.**

6. Using a new gasket, install the fluid pan. Torque the retaining bolts to specification.
7. Lower the vehicle and fill the transmission with the proper grade and quantity of fluid.



| Position | Bolt Size<br>Metric | Length<br>In<br>Inches |
|----------|---------------------|------------------------|
| 1        | M6 x 45             | 1.772                  |
| 2        | M6 x 40             | 1.578                  |
| 3        | M6 x 35             | 1.378                  |
| 4        | M6 x 30             | 1.141                  |
| 5        | M6 x 20             | .787                   |
| Position | Quantity            | Torque                 |
| 1        | 3                   | 7-9 Ft-Lb              |
| 2        | 12                  | 7-9 Ft-Lb              |
| 3        | 1                   | 7-9 Ft-Lb              |
| 4        | 2                   | 7-9 Ft-Lb              |
| 5        | 4                   | 7-10 Ft-Lb             |

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FIG. 10 Control Valve Body Bolt Location

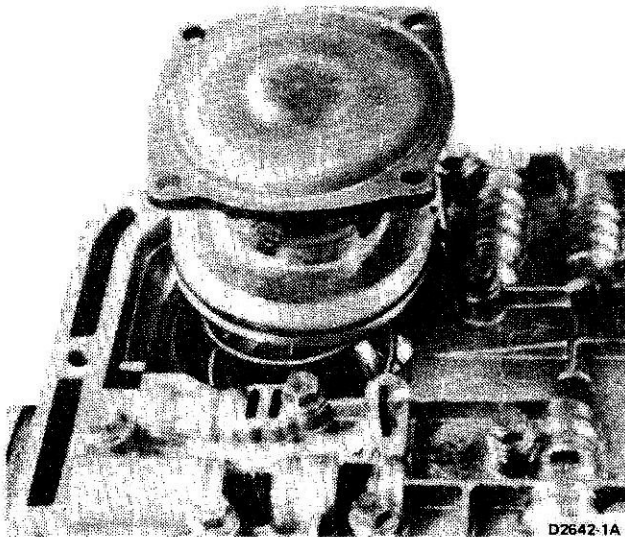


FIG. 11 Rear Servo Removal

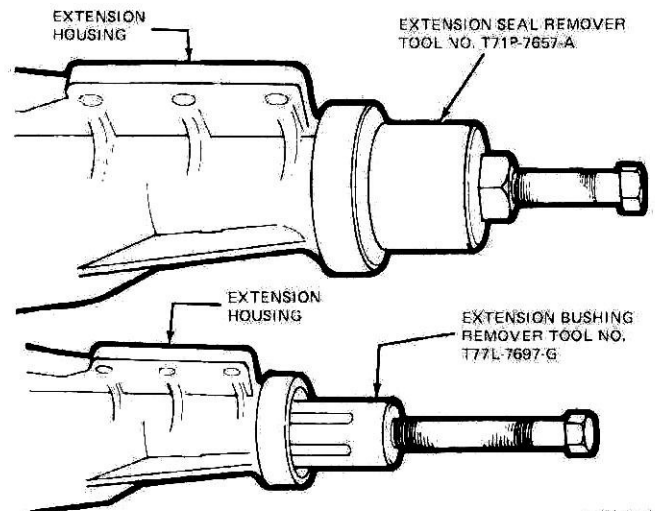
Pour in three quarts of fluid; then run the engine and add fluid as required.

8. Operate the vehicle and check for leaks.

## REAR SERVO

### Removal

1. Raise the vehicle on a hoist.
2. Place a drain pan under the transmission fluid pan. Starting at the rear of the pan and working toward the front, loosen the attaching bolts and allow the fluid to drain. Remove all of the pan attaching bolts except two at the front to allow the fluid to further drain. Finally remove all of the bolts and remove the pan.



D2915-1A

FIG. 12 Extension Housing Seal and Bushing Removal

3. Remove the oil filter screen and gasket.
4. Remove the retaining screws and remove the rear servo cover and gasket. The force of the spring will raise the cover (Fig. 11).

### Installation

1. Install the servo piston and spring in the servo housing.
2. Install the servo cover and the gasket.
3. Clean and replace the filter screen, gasket and three spacers (if so equipped).
4. Position the transmission fluid pan and a new gasket and install the retaining screws in two steps.