

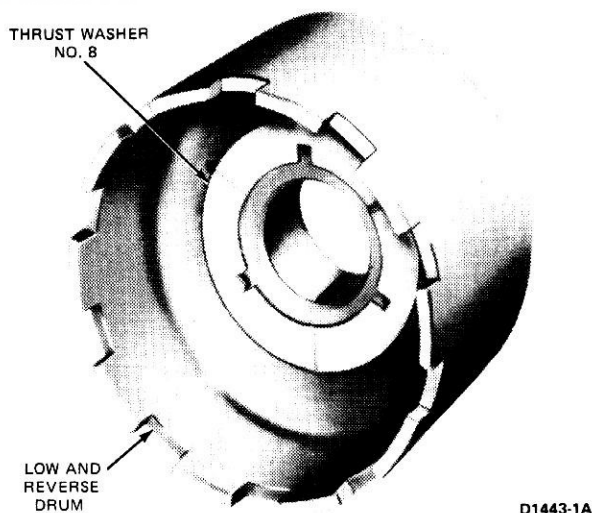


FIG. 41 Number 8 Thrust Washer Location

5. Using side cutters, carefully pry the throttle booster valve plug retaining pin from the valve body. Remove the plug, valve and spring (Fig. 52).
6. Remove the cut-back valve and transition valve cover plate from the valve body (Fig. 52).
7. Remove the cut-back valve from the body.
8. Remove the transition valve, 2-3 back-out valve and spring from the body.
9. Remove the 1-2 shift valve and 2-3 shift valve cover plate from the body.
10. Remove the 2-3 shift valve, spring and throttle modulator valve from the body (Fig. 52).
11. Remove the 1-2 shift valve, D-2 valve and spring from the body.
12. Remove the intermediate servo retaining pin and remove the intermediate accumulator retainer, valve and spring from the body.
13. Press the main oil pressure booster valve inward and remove the retaining pin. Remove the main oil pressure booster valve, sleeve, springs, retainer and the main oil pressure regulator valve (Fig. 52).

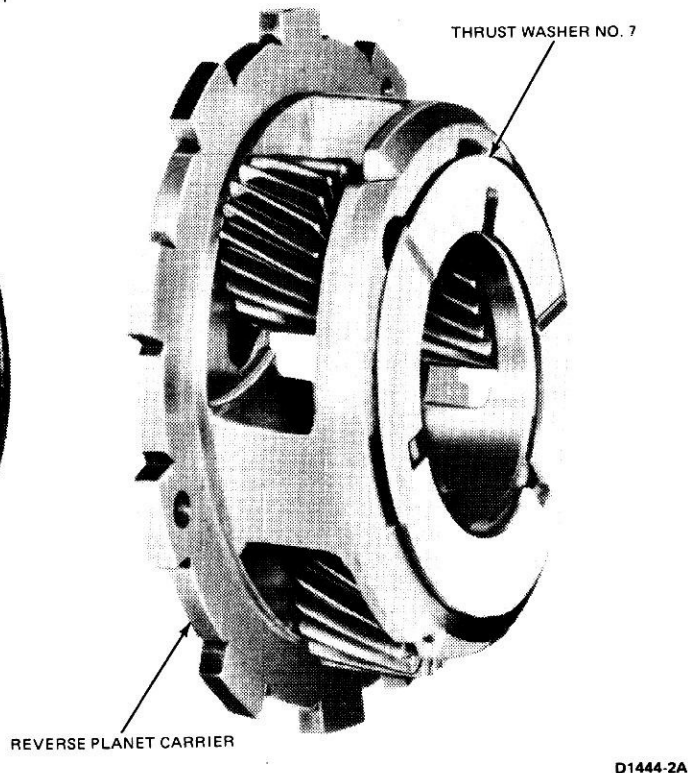
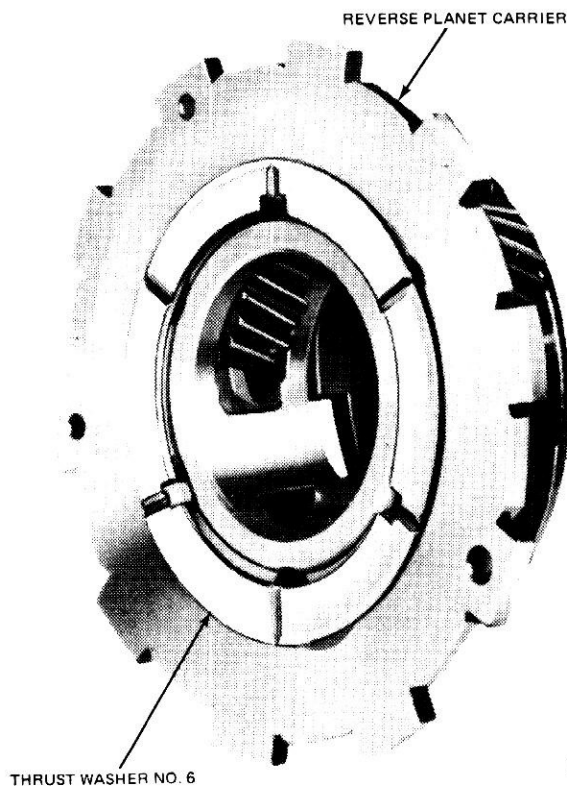


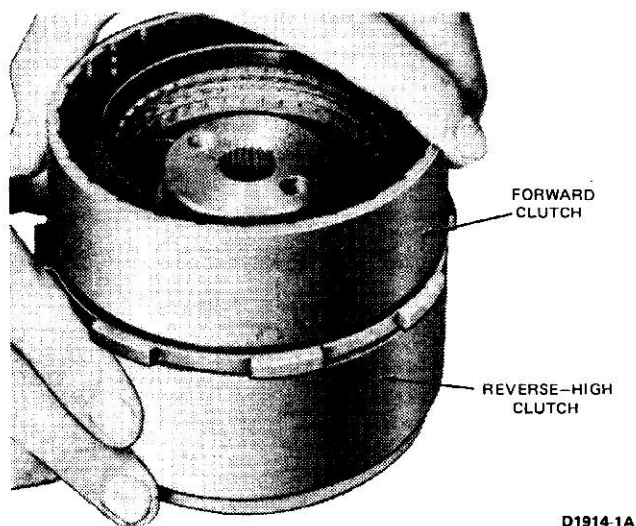
FIG. 42 Number 6 and 7 Thrust Washer Location

3. Remove the manual valve retaining ring and slide the manual valve out of the body. The retaining ring is used to hold the manual valve in its bore during shipment and should be removed and discarded before sliding the manual valve out of the control valve body.
4. Carefully pry the low servo modulator valve retainer from the body and remove the retainer plug, spring and valve from the body. While working in the low servo modulator valve bore, pry the downshift valve retainer from the body and remove the spring and downshift valve (Fig. 52).

14. Remove the line coasting boost valve retainer from the body and remove the spring and line coasting boost valve (Fig. 52).

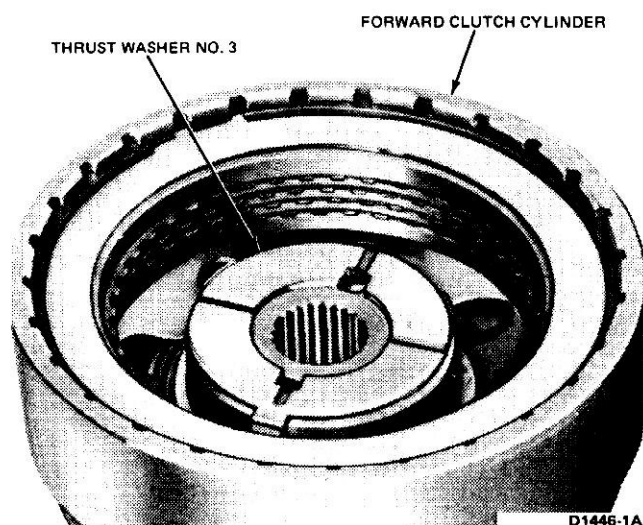
Assembly

1. Place the shuttle valves in the upper and lower bodies as shown in Fig. 51. Position a new gasket and the separator plate on the lower body and install but do not tighten the attaching screw.
2. Place the lower body and plate assembly on the upper valve body and install the 11 attaching screws finger tight (Fig. 49). (9 of the screws are



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FIG. 43 Installing Clutch Units

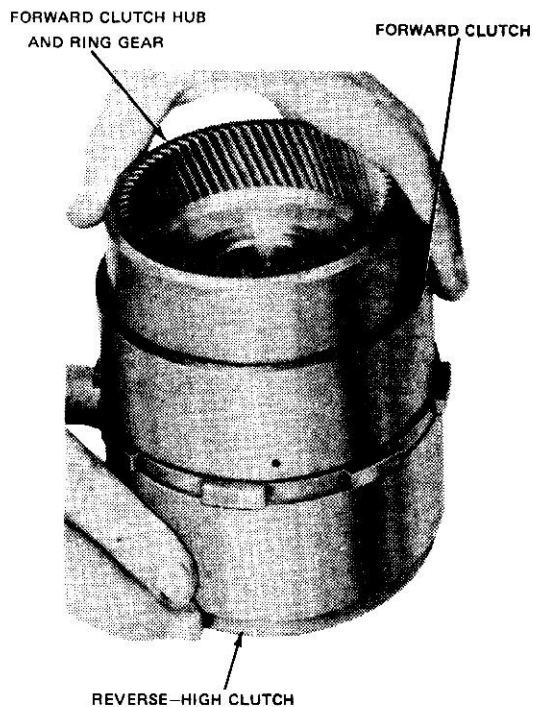


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FIG. 44 Number 3 Thrust Washer Location

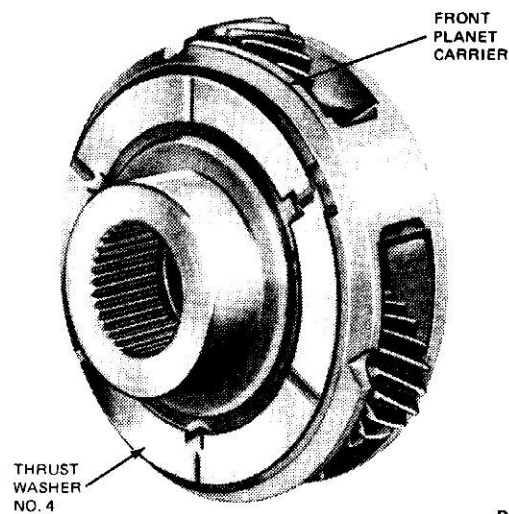
inserted through the lower valve body into the upper valve body, and two larger size screws are inserted from the other side through the upper valve body.)

3. Install the oil screen screws loosely, without the screen, to properly align the upper and lower valve bodies, gasket and separator plate.
4. Torque the four bolts that are covered by the screen to specification.
5. Position the throttle pressure limit valve and spring in the lower valve body (Fig. 50). Remove the oil screen attaching screws and place the gasket and oil screen in position on the lower valve body. Reinstall the screen attaching screws (Fig. 49). Torque all the valve body and screen attaching screws to specification.
6. **Insert the downshift valve (Fig. 52) into the body with the small diameter facing inward.** Install the downshift valve spring and retainer. Insert the low servo modulator valve, spring and



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FIG. 45 Installing Forward Clutch Hub and Ring Gear



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FIG. 46 Number 4 Thrust Washer Location

retainer plug in the body. Depress the plug and install the retainer.

7. Place the throttle booster valve spring, valve (small diameter end into spring) and plug into the body (Fig. 52). Depress the plug and press in the retaining pin. **Be sure the three grooves are at the top of the pin as it is installed.**
8. Place the spring, 2-3 back-out valve and the transition valve and spring in the body.
9. Place the cut-back valve in the body. Secure the cut-back and the transition valve cover plate to the