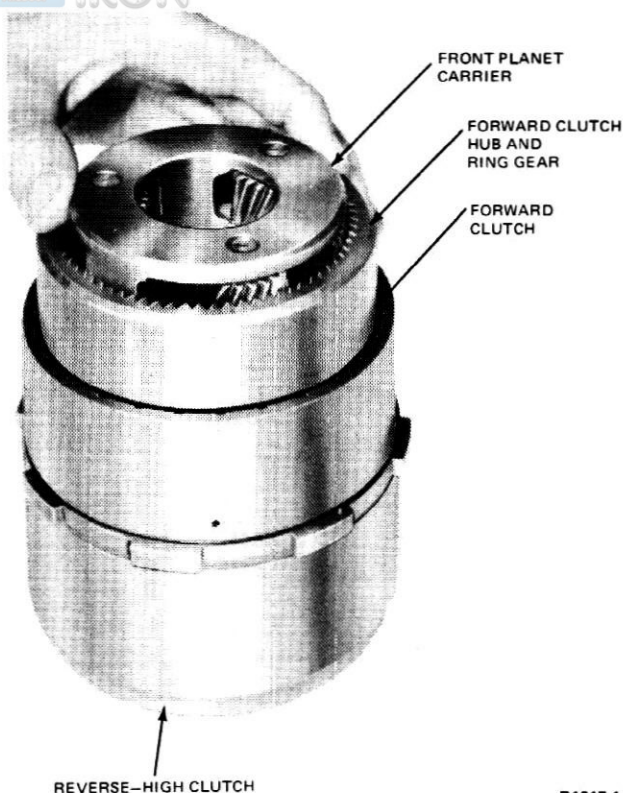
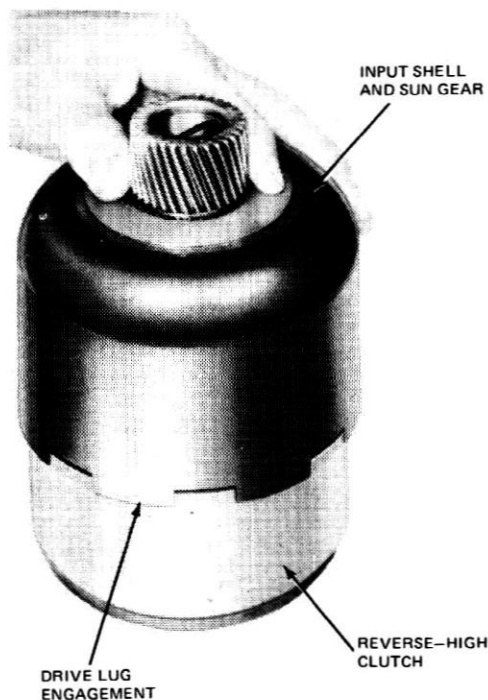




D1917-1A

FIG. 47 Installing Front Planet Carrier



D1918-1A

FIG. 48 Installing Input Shell and Sun Gear

body with the two attaching screws. Torque the screws to specification.

10. Place the throttle modulator valve, spring and 2-3 shift valve in the body.
11. Place the spring, D-2 valve and the 1-2 shift valve in the body.
12. Secure the 1-2 shift valve and the 2-3 shift valve cover plate to the body with the three attaching screws. Torque the screws to specification.
13. Place the spring, intermediate servo accumulator valve and retainer in the body. Depress the retainer and install the retaining pin (Fig. 52).
14. Insert the line coasting boost valve and spring in the body. Depress the spring and install the retainer.
15. Insert the main oil pressure regulator valve and spring retainer in the body (Fig. 52). Install the two springs, sleeve and the main oil pressure booster valve in the body.
16. Hold the main oil pressure booster valve in place and install the retaining pin.
17. Slide the manual valve into the valve body. **Make sure that the end with the two lands closest together is inserted first.**

INTERMEDIATE SERVO

Disassembly

1. Remove the transmission identification tag and the four servo cover-to-case attaching bolts.
2. Remove the servo cover, gasket, servo piston, and piston return spring from the case (Fig. 53).
3. Remove the intermediate servo piston from the cover.
4. Remove the seal rings from the servo piston and cover.

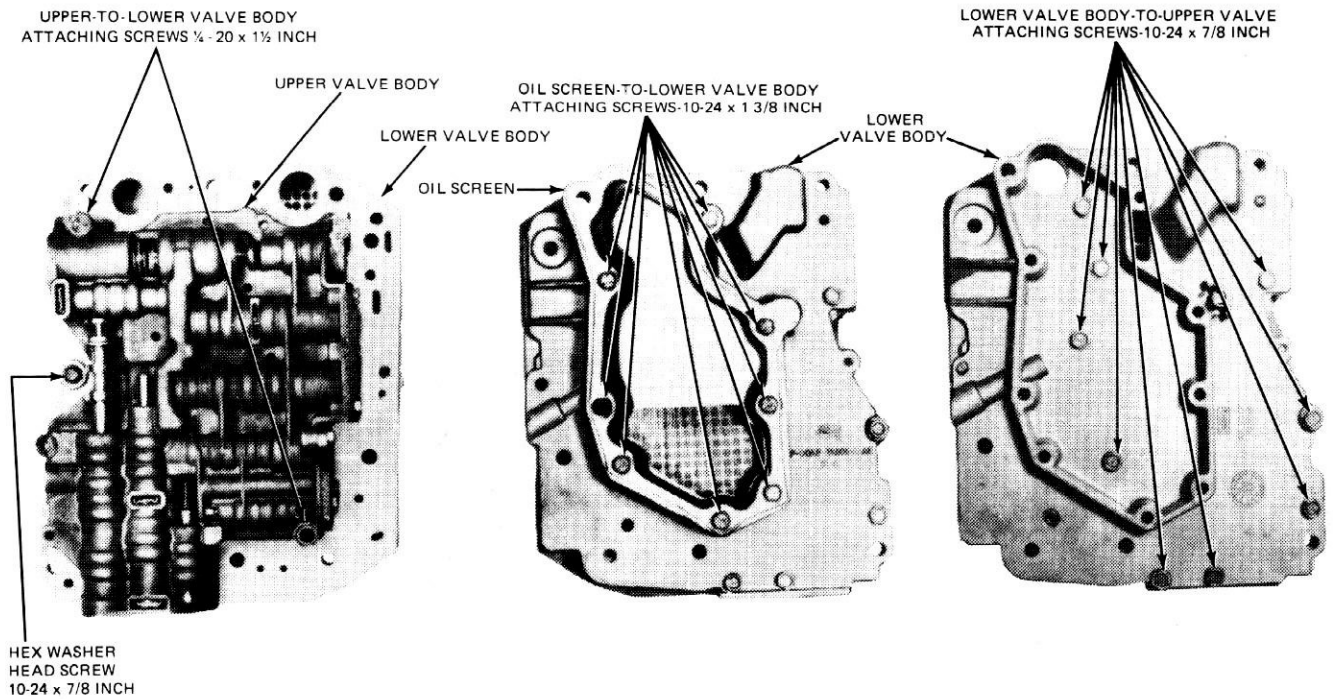
Assembly

1. Install a new seal on the cover and servo piston. Fig. 54 shows the correct servo piston and cover for each transmission model. Lubricate the seals with clean transmission fluid. Install the piston into the cover. Be careful not to damage the piston seal.
2. Install the piston return spring in the servo bore of the case.
3. Place a new gasket on the servo cover. **Position the servo piston and cover assembly into the case with the piston stem slot in a horizontal position to engage the strut.** Use two 5/16-18 bolts, 1-1/4 inches long, 180 degrees apart, to position the cover against the case. Install two cover attaching bolts. Remove the two 1-1/4-inch bolts and install the transmission identification tag and the other two cover attaching bolts. Torque the bolts to specification.

LOW-REVERSE SERVO

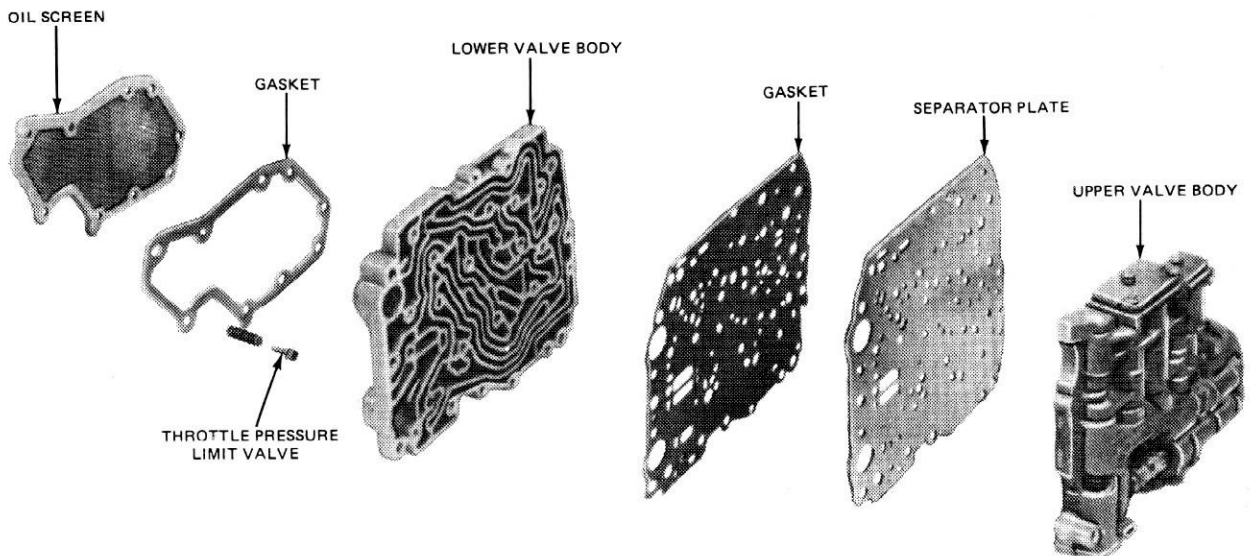
Disassembly

1. Remove the four servo cover-to-case attaching bolts.
2. Remove the servo cover, cover seal, servo piston and piston return spring from the case (Fig. 55).



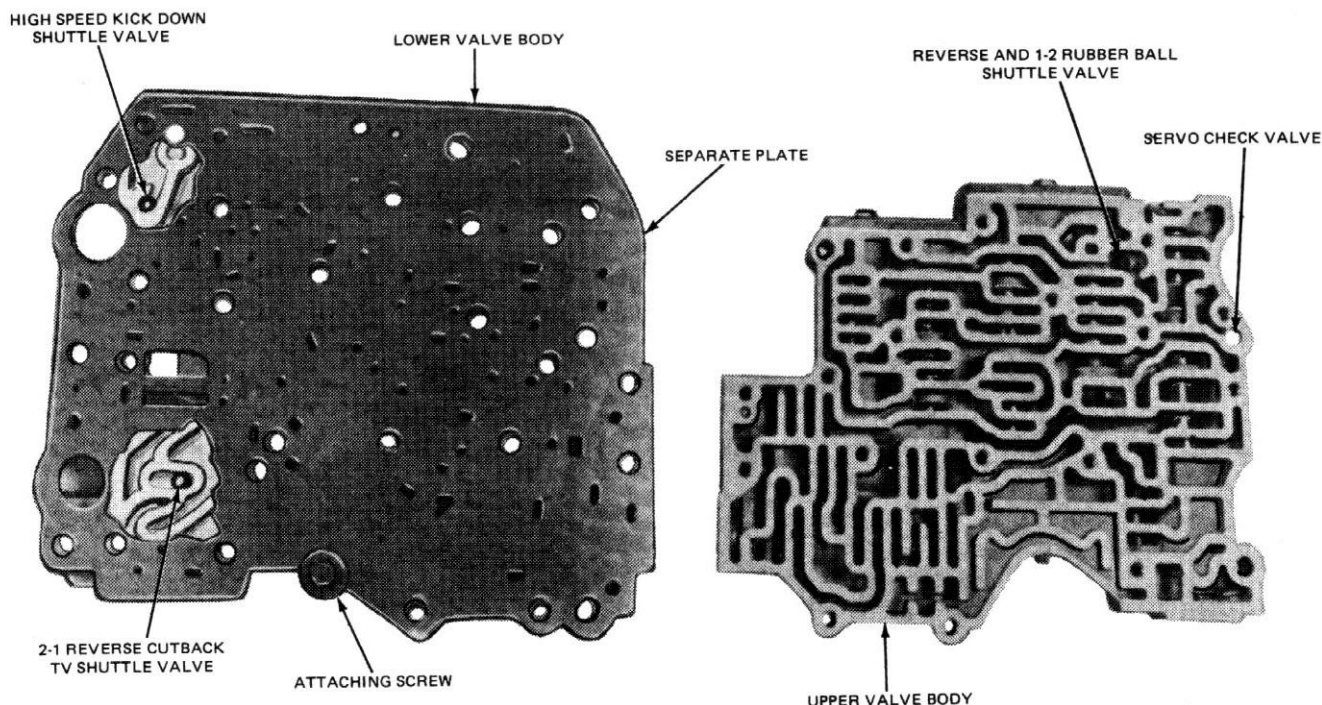
D2307-2C

FIG. 49 Control Valve Body and Screen Attaching Screws



D2073-2B

FIG. 50 Upper and Lower Valve Bodies Disassembled



D2074-2C

FIG. 51 Separating Upper and Lower Valve Bodies

3. The servo piston seal is bonded to the piston. If the seal has to be replaced, replace the piston assembly which includes the seal.
4. On Pinto, Bobcat and Mustang II, disassemble the servo piston from the piston stem by inserting a small screwdriver in the hole of the piston stem and removing the piston attaching nut (Fig. 56).

Assembly

1. On Pinto, Bobcat and Mustang II, position the accumulator spring and spacer (Fig. 57) on the piston stem if they were previously removed. **Make sure the crowned side of the spring is facing toward the rod.** Install a new servo piston on the stem and install the attaching nut. Torque the nut to specification as listed at the end of this Part.
2. Place the piston return spring in the servo bore of the case (Fig. 55). Lubricate the piston seal with clean transmission fluid and install the servo piston into the bore of the case.
3. Place a new cover seal on the cover and install the servo cover. Install the four cover attaching bolts. Torque the cover-to-case retaining bolts to specification.

GOVERNOR

Disassembly

1. Remove the oil rings from the governor oil distributor (Fig. 58).
2. Remove the governor housing-to-distributor attaching bolts. Remove the governor from the oil distributor.

3. Remove the primary governor valve snap ring (Fig. 59). Remove the washer, spring, and primary governor valve from the housing.
4. Remove the secondary governor valve spring retaining clip, spring, and governor valve from the housing.

Assembly

1. Install the secondary governor valve in the housing. Install the spring and retaining clip. **Make sure the clip is installed with the small concaved area facing downward, to hold the spring in the correct position.**
2. Install the primary governor valve in the housing. Install the spring washer and snap ring. **Make sure the washer is centered in the housing on top of the spring and the snap ring is fully seated in the ring groove of the housing.**
3. Install the governor assembly on the oil distributor and torque the attaching bolts to specification.
4. Install the oil rings on the distributor. Check the oil rings for free rotation in the ring grooves on the oil distributor.

DOWNSHIFT AND MANUAL LINKAGE

Disassembly

1. Apply penetrating oil to the outer lever attaching nut to prevent breaking the inner lever shaft. Remove the downshift outer lever nut and remove the downshift outer and inner levers.
2. On vehicles equipped with a case mounted neutral start switch, place a screwdriver behind the switch and carefully pry the switch off the lever.

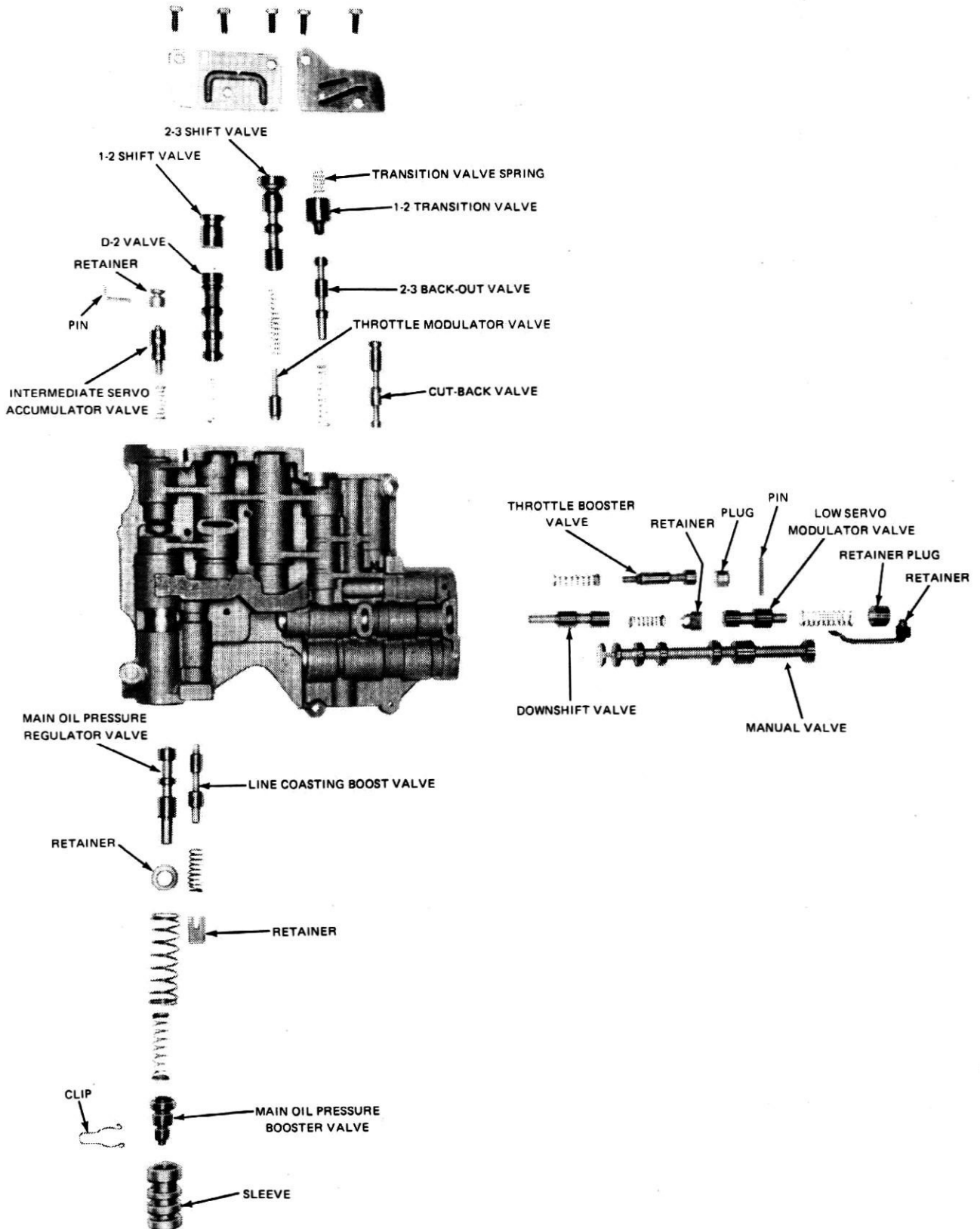


FIG. 52 Upper Valve Body Disassembled