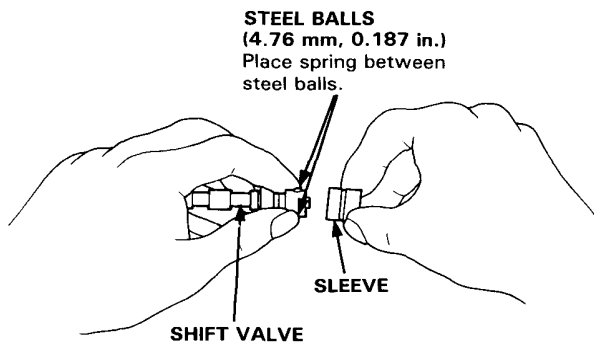


Main Valve Body

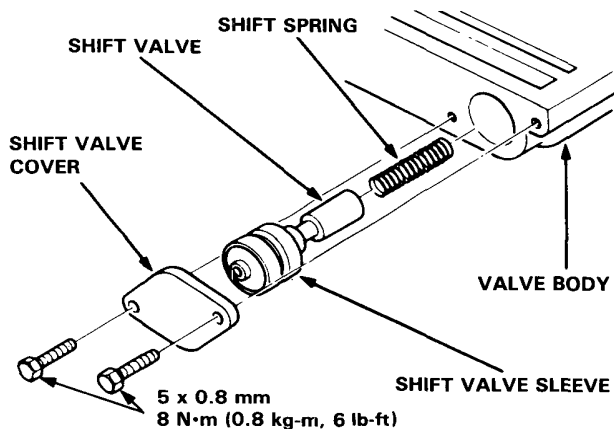
Reassembly

NOTE: Coat all parts with ATF before assembling.

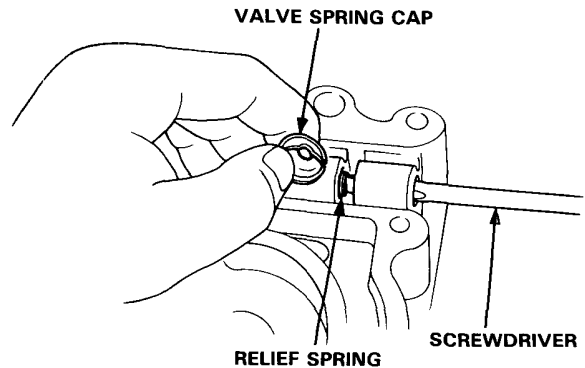
1. Slide the spring into the hole in the big end of the shift valve.
While holding the steel balls with the tips of your fingers, put the sleeve over valve.



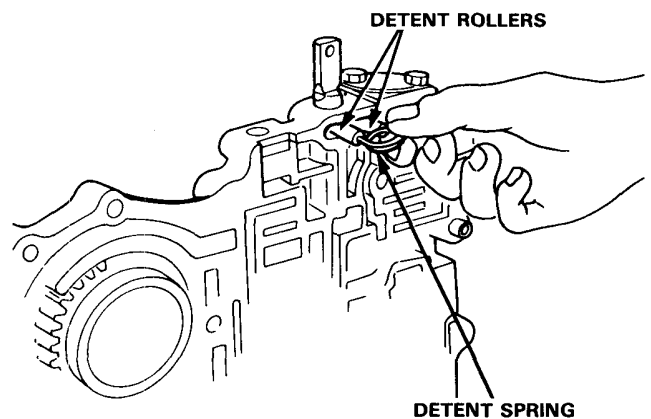
2. Place the shift spring in the valve, then slip it into the valve body and install the valve cover.



3. Set the relief spring in the relief valve and install it in the main valve body.
4. Install the spring with a screwdriver, then install the check valve cap with the cutout aligned with the screwdriver.

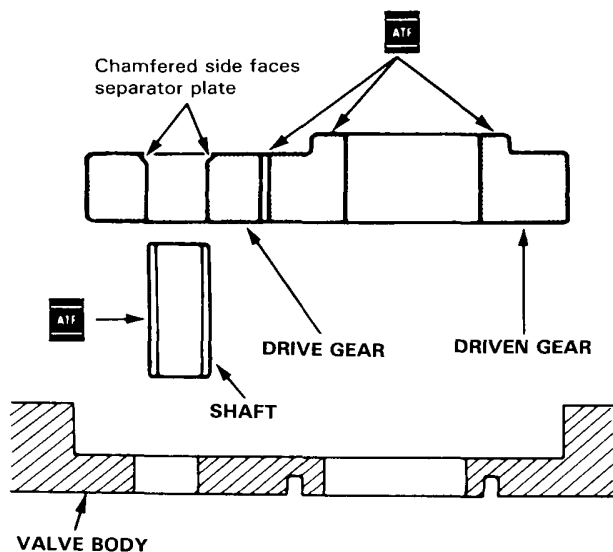


5. Install the manual valve, detent rollers and spring.





6. Install the pump gears and shaft in the main valve body.

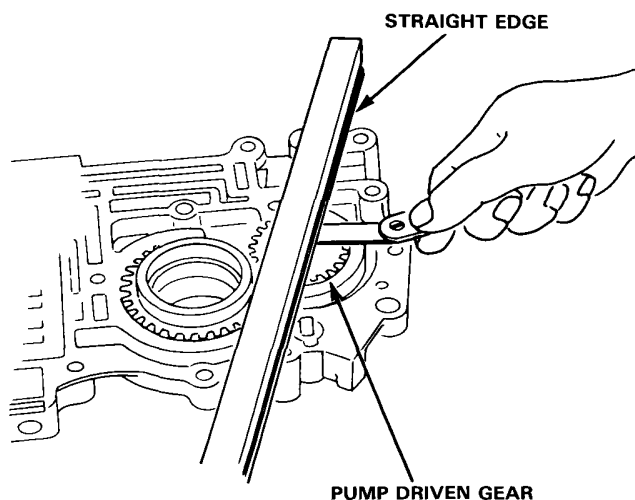


7. Measure the thrust clearance of the driven gear-to-valve body.

Drive/Driven Gear thrust (Axial) Clearance:

Standard (New): 0.03–0.05 mm
(0.001–0.002 in.)

Service Limit: 0.08 mm (0.003 in.)



8. Install the oil pump shaft and measure the side clearance of the drive and driven gears.

Pump Gears Side (Radial) Clearance:

Standard (New): Drive gear 0.21–0.27 mm
(0.008–0.010 in.)

Driven gear 0.05–0.09 mm
(0.002–0.004 in.)

