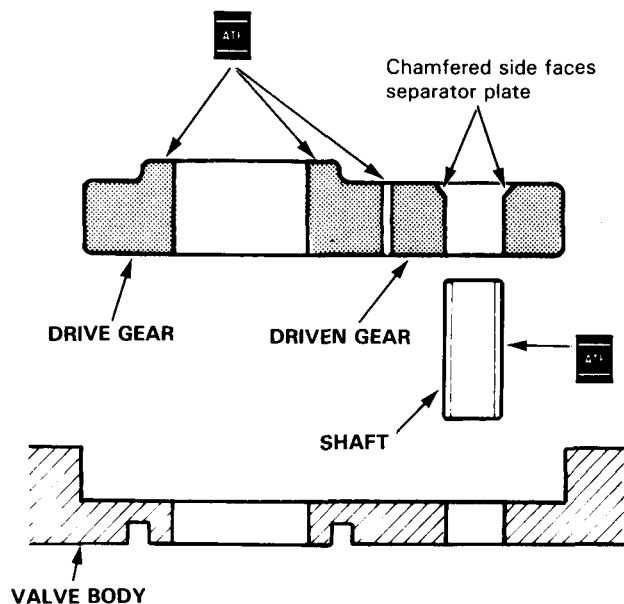


# ATF Pump



## Inspection

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

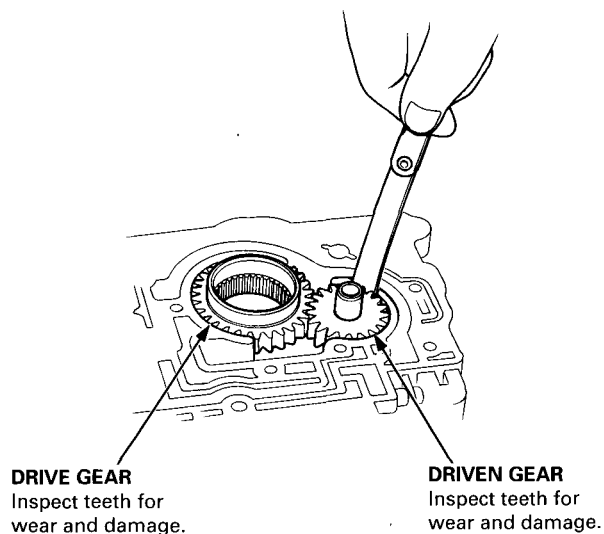


2. Measure the side clearance of the drive and driven gears.

**Pump Gears Side (Radial) Clearance:**  
**Standard (New): Drive gear (diameter)**

0.210-0.265 mm  
 (0.0083-0.0104 in)

**Driven gear (radius)**  
 0.035-0.063 mm  
 (0.0014-0.0025 in)



3. Remove the shaft, then 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: 0.07 mm (0.0028 in.)**

