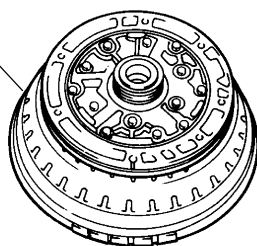


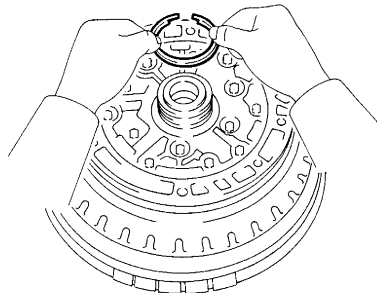
Torque Converter
Clutch

D01281

DISASSEMBLY

1. USE TORQUE CONVERTER CLUTCH AS WORK STAND

Place the oil pump body on the torque converter clutch.

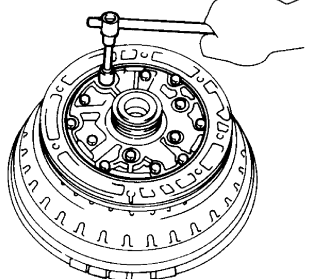


N

D10742

2. REMOVE OIL SEAL RING

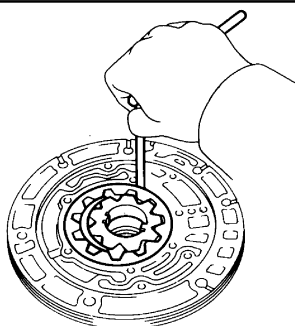
Remove the 2 oil seal rings.



D01283

3. REMOVE STATOR SHAFT

- (a) Remove the 13 bolts, and then remove the stator shaft from the oil pump body.
- (b) Remove the oil pump body from the torque converter clutch.



D01284

4. CHECK BODY CLEARANCE OF DRIVEN GEAR

Push the driven gear to one side of the body.

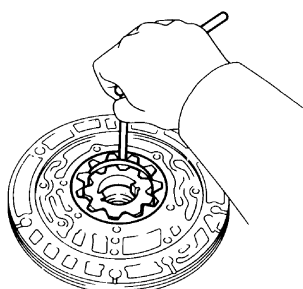
Using a feeler gauge, measure the clearance.

Standard body clearance:

0.07 – 0.15 mm (0.0028 – 0.0059 in.)

Maximum body clearance: 0.3 mm (0.012 in.)

If the body clearance is greater than the maximum, replace the drive gear, driven gear or pump body.



D01285

5. CHECK TIP CLEARANCE OF DRIVEN GEAR

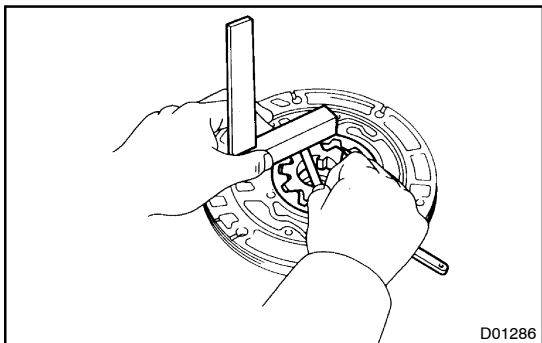
Using a feeler gauge, measure the clearance between the driven gear teeth and the crescent-shaped part of the pump body.

Standard tip clearance:

0.11 – 0.14 mm (0.0043 – 0.0055 in.)

Maximum tip clearance: 0.3 mm (0.012 in.)

If the tip clearance is greater than the maximum, replace the drive gear, driven gear or pump body.



6. CHECK SIDE CLEARANCE OF BOTH GEARS

Using a steel straight edge and feeler gauge, measure the side clearance of both gears.

Standard side clearance:

0.02 – 0.05 mm (0.0008 – 0.0020 in.)

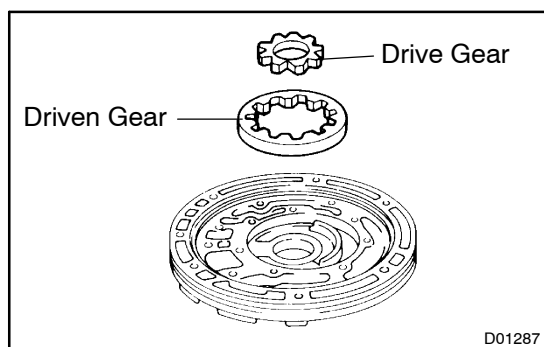
Maximum side clearance: 0.1 mm (0.004 in.)

There are 5 different thickness for drive and driven gears.

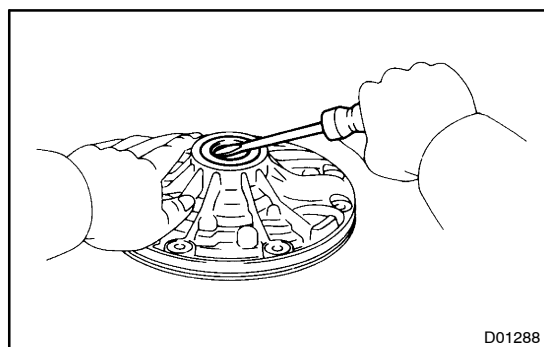
Drive and driven gears thickness: mm (in.)

M	11.690 – 11.699 (0.4602 – 0.4606)
N	11.700 – 11.709 (0.4606 – 0.4610)
P	11.710 – 11.720 (0.4610 – 0.4614)
R	11.721 – 11.730 (0.4615 – 0.4618)
S	11.731 – 11.740 (0.4618 – 0.4622)

If the side clearance is greater than the maximum, replace the drive gear, driven gear or pump body.



7. REMOVE OIL PUMP DRIVE GEAR AND DRIVEN GEAR



8. REMOVE OIL SEAL

Pry off the oil seal with a screwdriver.

NOTICE:

Be careful not to damage the bushing and oil pump body.