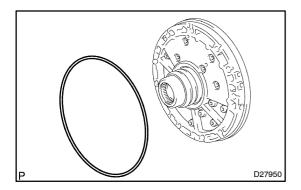
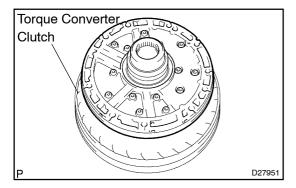
OVERHAUL

400XH-01



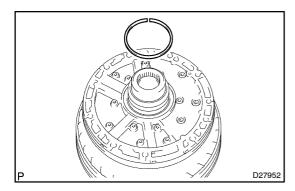
1. REMOVE FRONT OIL PUMP BODY O-RING

(a) Remove the O-ring from the oil pump assy.



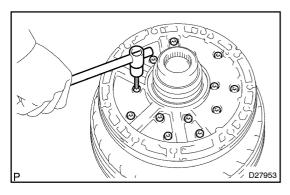
2. FIX OIL PUMP ASSY

(a) Place the oil pump body on the torque converter clutch.



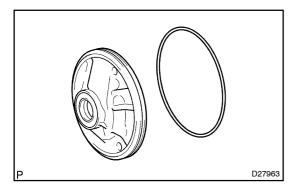
3. REMOVE CLUTCH DRUM OIL SEAL RING

(a) Remove the 3 oil seal rings.



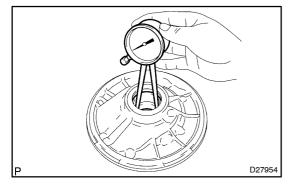
4. REMOVE STATOR SHAFT ASSY

(a) Remove the 14 bolts, and then remove the stator shaft from the oil pump body.



5. REMOVE FRONT OIL PUMP BODY O-RING

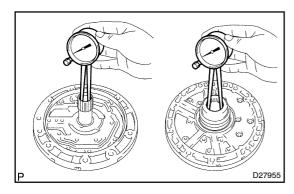
- (a) Remove the O-ring from the oil pump body.
- (b) Remove the oil pump body from the torque converter clutch.



6. INSPECT FRONT OIL PUMP BODY SUB-ASSY

(a) Using a dial indicator, measure the inside diameter of the oil pump body bushing.

Maximum inside diameter: 38.188 mm (1.504 in.)
If the inside diameter is greater than the maximum, replace the oil pump body.



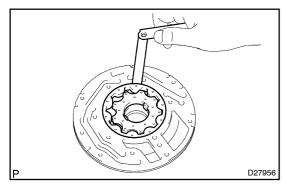
7. INSPECT STATOR SHAFT ASSY

(a) Using a dial indicator, measure the inside diameter of the stator shaft bushing.

Maximum inside diameter:

Front side: 21.577 mm (0.850 in.) Rear side: 32.08 mm (1.263 in.)

If the inside diameter is grater than the maximum, replace the stator shaft.



8. INSPECT CLEARANCE OF OIL PUMP ASSEMBLY

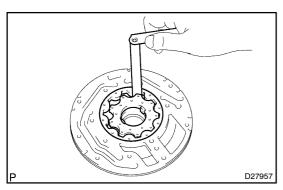
- (a) Push the driven gear to one side of the body.
- (b) Using a feeler gauge, measure the clearance.

Standard body clearance:

0.10 - 0.17 mm (0.0039 - 0.0067 in.)

Maximum body clearance: 0.17 mm (0.0067 in.)

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



(c) Using a feeler gauge, measure the clearance between the driven gear teeth and the drive gear teeth.

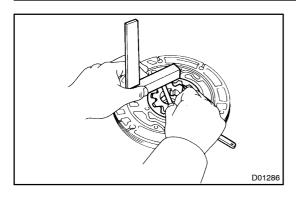
Standard tip clearance:

0.070 - 0.150 mm (0.0028 -0.0059 in.)

Maximum tip clearance: 0.150 mm (0.0059 in.)

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

A750E, A750F A/T REPAIR MANUAL (RM999U)



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

Standard side clearance:

0.02 - 0.05 mm (0.0008 - 0.002 in.)

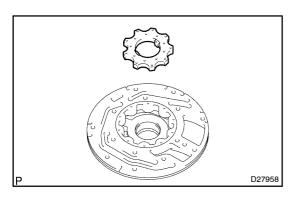
Maximum side clearance: 0.05 mm (0.002 in.)

There are 5 different thickness for the drive and driven (e) gears.

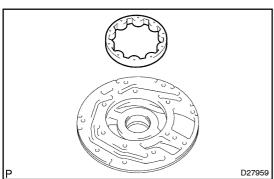
Drive and driven gears thickness: mm (in.)

Mark	Thickness
0	10.74 – 10.749 (0.4228 – 0.4232)
1	10.75 – 10.759 (0.4232 – 0.4236)
2	10.76 – 10.77 (0.4236 – 0.424)
3	10.771 – 10.78 (0.4241 – 0.4244)
4	10.781 -10.79 (0.4244 - 0.4248)

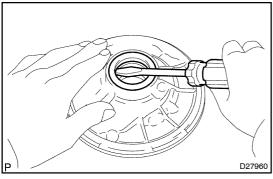
If the side clearance is greater than the maximum, replace the drive gear, the driven gear or the pump body.



REMOVE FRONT OIL PUMP DRIVE GEAR 9.



REMOVE FRONT OIL PUMP DRIVEN GEAR



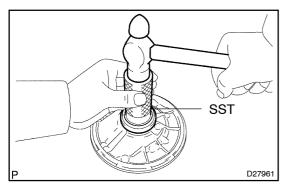
A750E, A750F A/T REPAIR MANUAL (RM999U)

REMOVE FRONT OIL PUMP OIL SEAL 11.

Using a screwdriver, remove the oil seal.

NOTICE:

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



12. INSTALL FRONT OIL PUMP OIL SEAL

(a) Using SST and a hammer, install a new oil seal.

HINT:

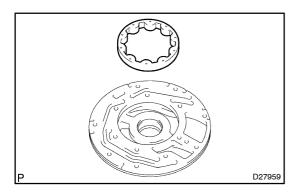
The oil seal end should be flush with the outer edge of the pump body.

SST 09350-30020 (09351-32140)

(b) Coat the oil seal lip with MP grease.

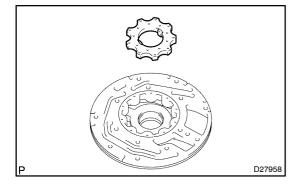
13. FIX FRONT OIL PUMP BODY SUB-ASSY

(a) Place the oil pump body on the torque converter clutch.



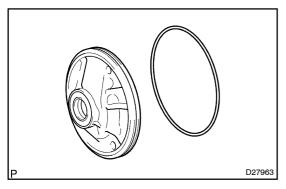
14. INSTALL FRONT OIL PUMP DRIVEN GEAR

- (a) Coat the driven gear with ATF.
- (b) Install the driven gear to the oil pump body.



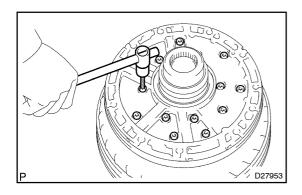
15. INSTALL FRONT OIL PUMP DRIVE GEAR

- (a) Coat the drive gear with ATF.
- (b) Install the drive gear to the oil pump body.



16. INSTALL FRONT OIL PUMP BODY O-RING

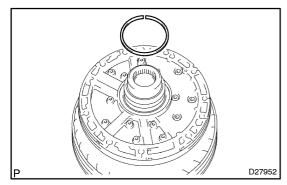
(a) Install the O-ring to the oil pump body.



17. **INSTALL STATOR SHAFT ASSY**

- (a) Align the stator shaft with each bolt hole.
- (b) Install the 14 bolts.

Torque: 12 N·m (122 kgf·cm,9 ft·lbf)



INSTALL CLUTCH DRUM OIL SEAL RING

- Coat the 3 oil seal rings with ATF. (a)
- (b) Squeeze the ends of the 3 oil seal rings together with the wrap distance 8 mm or less, and then install them to the starter shaft groove.

NOTICE:

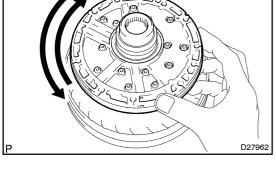
Do not over-spread the ring ends.

After installing the oil seal rings, check that they rotate smoothly.



INSPECT OIL PUMP DRIVE GEAR ROTATION 19.

- (a) Make sure the drive gear rotates smoothly.
- Remove the oil pump assy from the torque converter. (b)



20. **INSTALL FRONT OIL PUMP BODY O-RING** Install the O-ring to the oil pump assy. (a)

