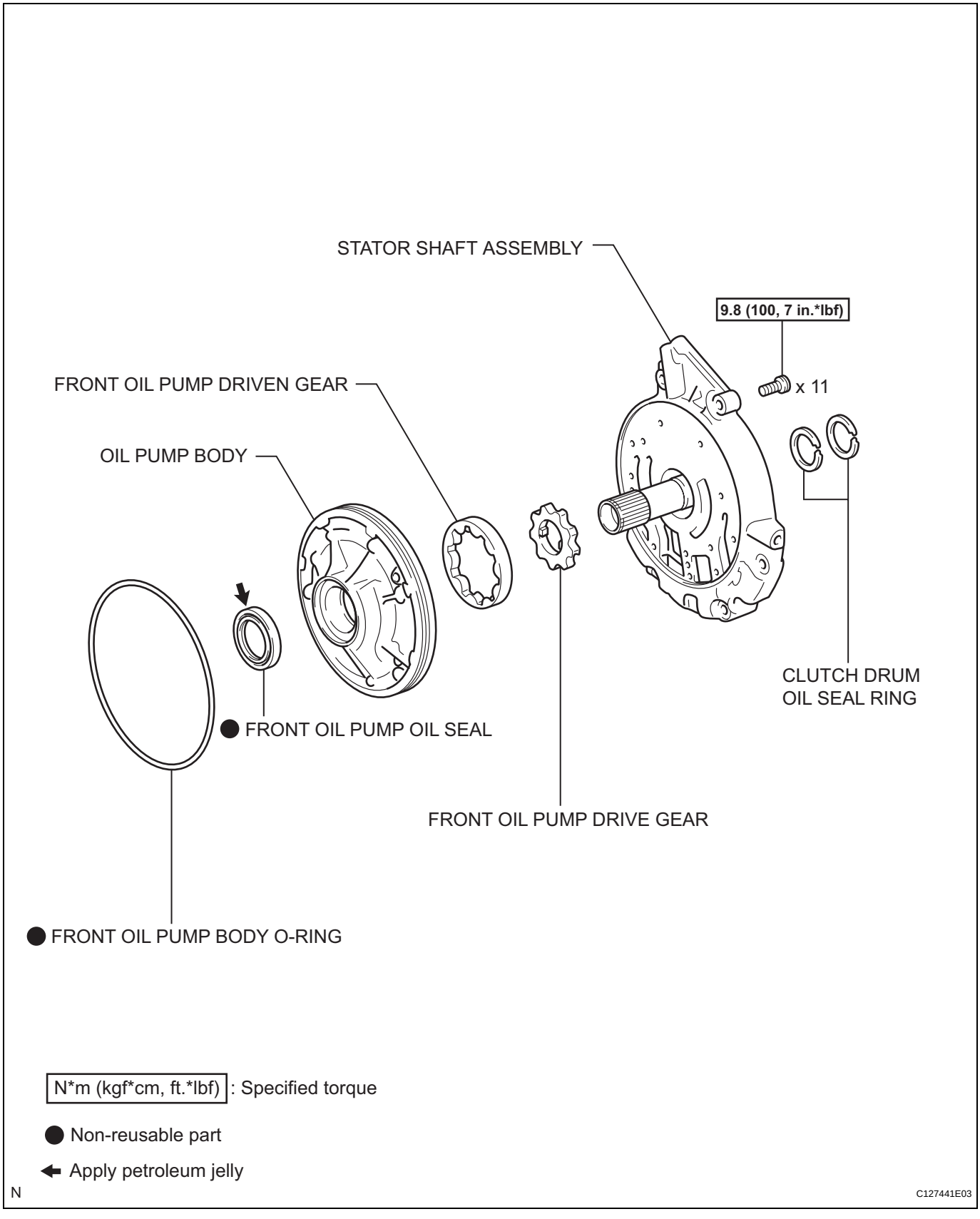
OIL PUMP

COMPONENTS

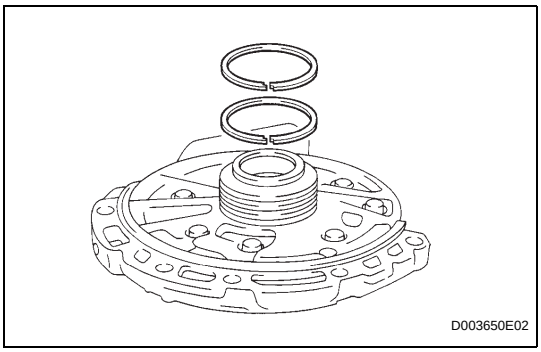


AX

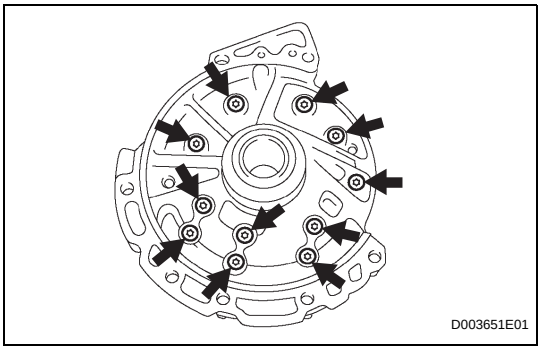
DISASSEMBLY

1. **INSPECT OIL PUMP ASSEMBLY (See page AX-219)**

2. **REMOVE CLUTCH DRUM OIL SEAL RING**
   (a) Remove the 2 clutch drum oil seal rings.

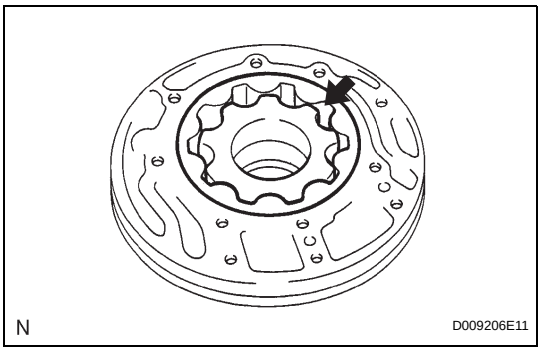


3. **REMOVE STATOR SHAFT ASSEMBLY**
   (a) Using a T30 "torx" socket, remove the 11 bolts and stator shaft.

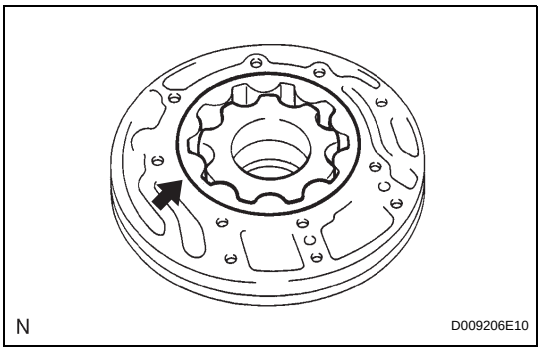


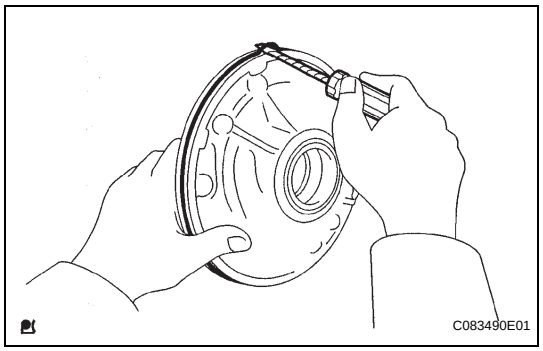
4. **INSPECT CLEARANCE OF OIL PUMP ASSEMBLY (See page AX-219)**

5. **REMOVE FRONT OIL PUMP DRIVE GEAR**
   (a) Remove the front oil pump drive gear.



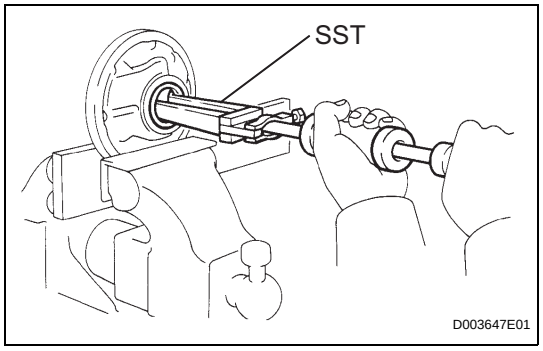
6. **REMOVE FRONT OIL PUMP DRIVEN GEAR**
   (a) Remove the front oil pump driven gear.





7. REMOVE FRONT OIL PUMP BODY O-RING

(a) Using a screwdriver, pry out the O-ring.
HINT:
Tape the screwdriver before use.



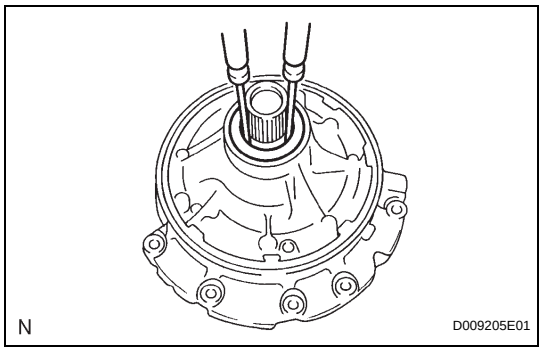
8. REMOVE FRONT OIL PUMP OIL SEAL

(a) Mount the oil pump in a soft jaw vise.
(b) Using SST, tap out the oil seal from the oil pump body.
SST 09308-00010

9. INSPECT FRONT OIL PUMP AND GEAR BODY SUB-ASSEMBLY (See page AX-220)

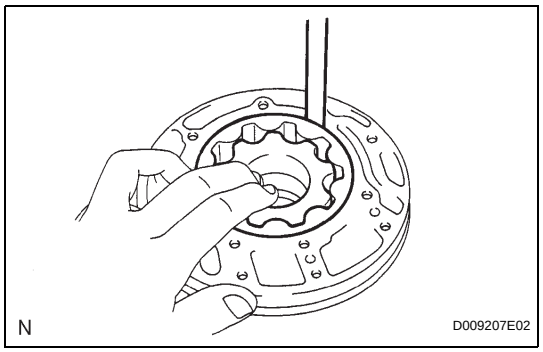
10. INSPECT STATOR SHAFT ASSEMBLY (See page AX-221)

INSPECTION



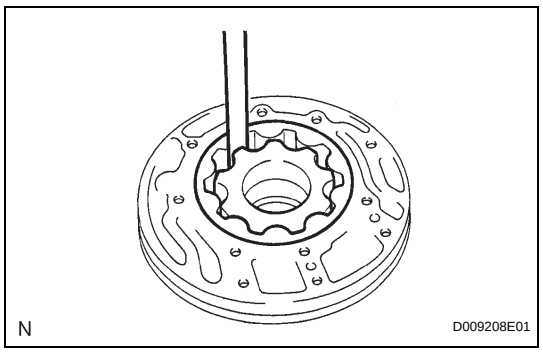
1. INSPECT OIL PUMP ASSEMBLY

(a) Turn the drive gear with 2 screwdrivers and make sure it rotates smoothly.
NOTICE:
Be careful not to damage the oil seal lip.

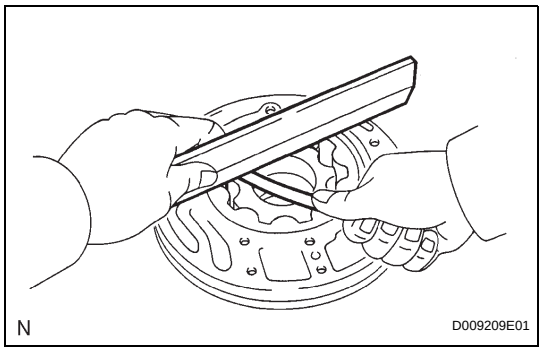


2. INSPECT CLEARANCE OF OIL PUMP ASSEMBLY

(a) Push the driven gear to one side of the body. Using a feeler gauge, measure the clearance.
Standard body clearance:
0.10 to 0.17 mm (0.0039 to 0.0067 in.)
Maximum body clearance:
0.17 mm (0.0067 in.)
If the body clearance is greater than the maximum, replace the oil pump body sub-assembly.



(b) Measure the tip clearance between the driven gear teeth and drive gear teeth.
Standard tip clearance:
0.07 to 0.15 mm (0.0028 to 0.0059 in.)
Maximum tip clearance:
0.15 mm (0.0059 in.)
If the tip clearance is greater than the maximum, replace the oil pump body sub-assembly.



(c) Using a straightedge and feeler gauge, measure the side clearance of both gears.

Standard side clearance:
0.02 to 0.05 mm (0.0008 to 0.0020 in.)
Maximum side clearance:
0.05 mm (0.0020 in.)

Standard drive gear thickness

Mark	Thickness
1	10.690 to 10.699 mm (0.4209 to 0.4212 in.)
2	10.700 to 10.709 mm (0.4213 to 0.4216 in.)
3	10.710 to 10.720 mm (0.4217 to 0.4220 in.)
4	10.721 to 10.730 mm (0.4221 to 0.4224 in.)
5	10.731 to 10.740 mm (0.4225 to 0.4228 in.)

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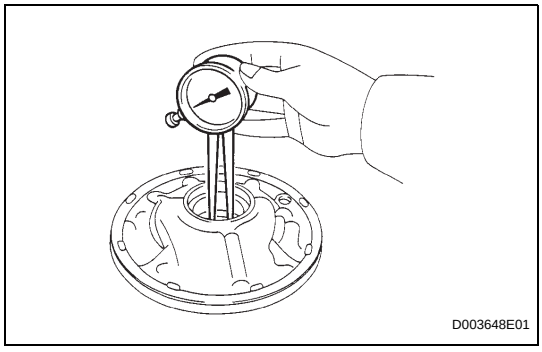
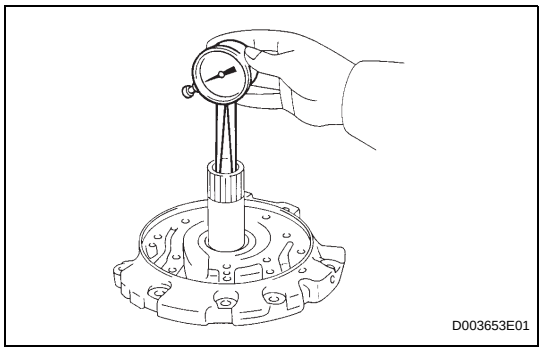


3. INSPECT FRONT OIL PUMP AND GEAR BODY SUB-ASSEMBLY

(a) Using a caliper gauge, measure the inside diameter of the oil pump body bush.

Standard inside diameter:
38.11 to 38.14 mm (1.5005 to 1.5015 in.)
Maximum inside diameter:
38.19 mm (1.5035 in.)

If the inside diameter is greater than the maximum, replace the oil pump body sub-assembly.



4. INSPECT STATOR SHAFT ASSEMBLY

(a) Using a caliper gauge, measure the inside diameter of the stator shaft bushes.

Standard inside diameter:
20.50 to 21.53 mm (0.8465 to 0.8475 in.)
Maximum inside diameter:
21.57 mm (0.8492 in.)

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