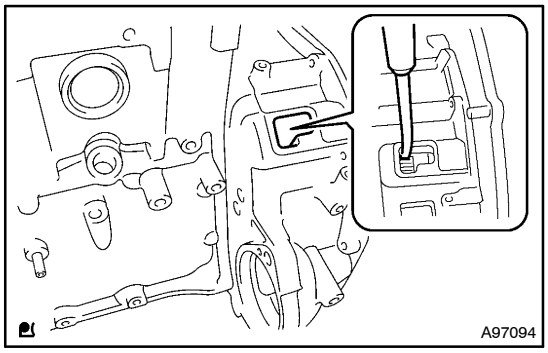
OIL PUMP SEAL (N04C–TF)

141UF–01

REPLACEMENT

1. **DRAIN ENGINE OIL (See page 17–3)**
2. **DRAIN ENGINE COOLANT (See page 16–3)**
3. **REMOVE CHARGE AIR COOLER ASSY (See page 13–9)**
4. **REMOVE RADIATOR ASSY (See page 16–10)**

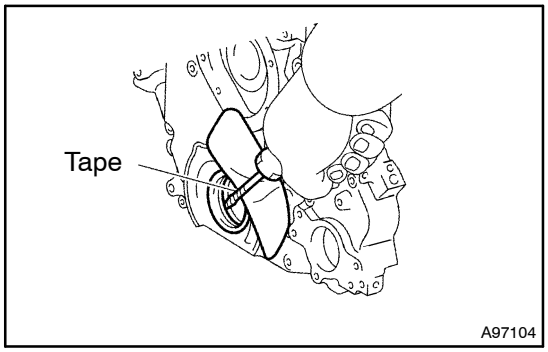


5. REMOVE CRANKSHAFT PULLEY

(a) Using a 46 mm socket wrench, remove the nut, spacer and pulley.

HINT:

Insert a screwdriver through the inspection hole of the flywheel housing into the ring gear of the flywheel to keep it from turning together with the crankshaft.

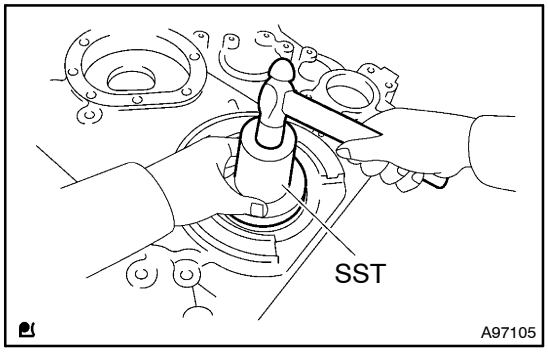


6. REMOVE OIL PUMP SEAL

(a) Using a screwdriver, pry out the housing.

HINT:

Tape the screwdriver tip before use.



7. INSTALL OIL PUMP SEAL

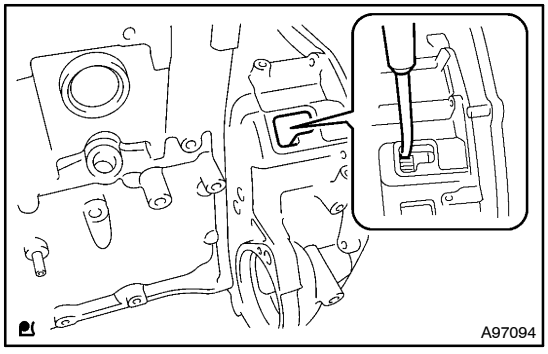
(a) Using SST and a hammer, tap in the oil seal to the timing gear case so that oil seal is flush with the timing gear edge.

SST 09223–78010

NOTICE:

- **Be careful not to tap the oil seal at an angle.**
- **Keep the gap between the gear case edge and the oil seal free of foreign matter.**

(b) Apply MP grease to the oil seal lip.



8. INSTALL CRANKSHAFT PULLEY

(a) Install the pulley and spacer to the crankshaft.

HINT:

Align the pulley set key with the key groove of the pulley.

(b) Using a 46 mm socket wrench, tighten the nut.

Torque: 519 N·m (5,294 kgf·cm, 383 ft·lbf)

HINT:

Insert a screwdriver through the inspection hole of the flywheel housing into the ring gear of the flywheel to keep it from turning together with the crankshaft.

9. **INSTALL RADIATOR ASSY (See page 16–10)**
10. **INSTALL CHARGE AIR COOLER ASSY (See page 13–9)**
11. **ADD ENGINE COOLANT (See page 16–3)**
12. **ADD ENGINE OIL (See page 17–3)**
13. **CHECK FOR ENGINE OIL LEAKS**
14. **CHECK FOR ENGINE COOLANT LEAKS (See page 16–1)**