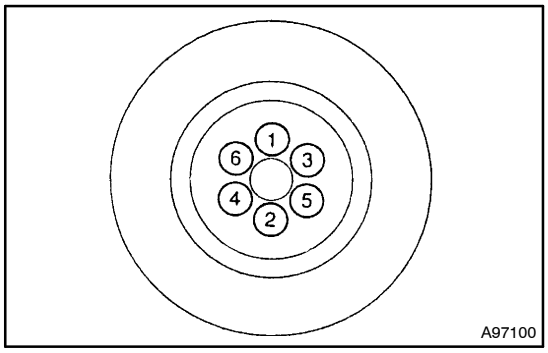
ENGINE REAR OIL SEAL (N04C–TF)

141UG–01

REPLACEMENT

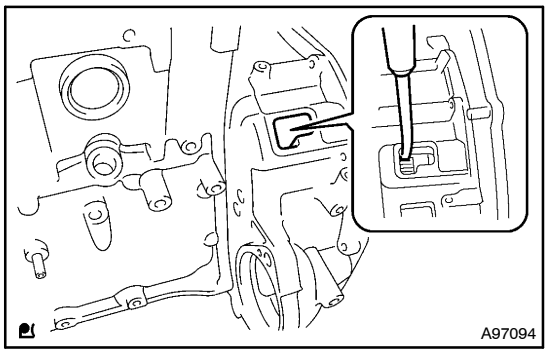
1. DRAIN ENGINE OIL (See page 17–3)
2. REMOVE TRANSMISSION ASSY (See page 41–3)
3. REMOVE CLUTCH DISC ASSY (See page 42–2)



4. REMOVE FLYWHEEL SUB–ASSY

(a) Uniformly loosen and remove the 6 bolts in the order shown in the illustration.

(b) Remove the flywheel.



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.

NOTICE:

The flywheel is heavy. When removing, be careful not to drop it on your feet.

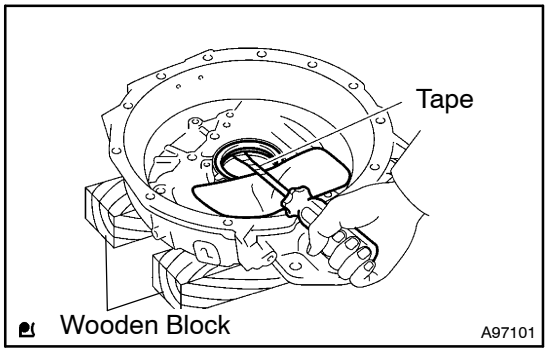
5. REMOVE FLYWHEEL HOUSING

(a) Remove the 14 bolts from the cylinder block.

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

HINT:

Tape the screwdriver tip before use.

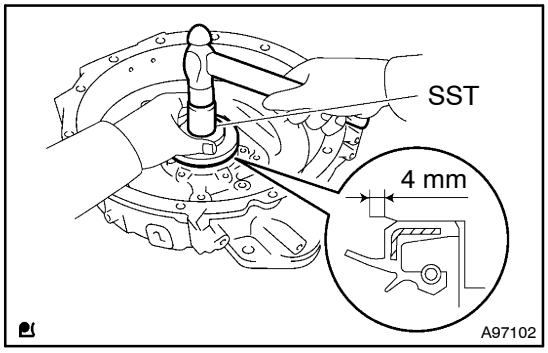


6. REMOVE ENGINE REAR OIL SEAL RETAINER

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

HINT:

Tape the screwdriver tip before use.



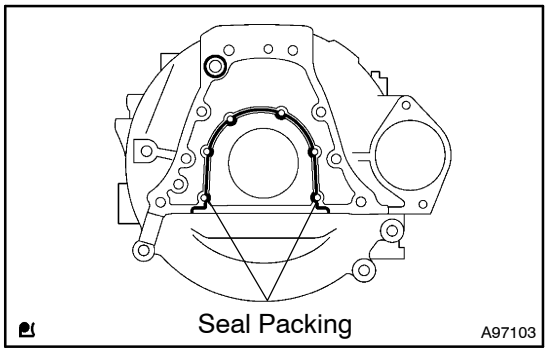
7. INSTALL ENGINE REAR OIL SEAL RETAINER

(a) Using SST and a hammer, tap in a new retainer until it lowers by 4 mm (0.16 in.) from the upper edge of the flywheel housing.
SST 09223–78010

NOTICE:

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

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



8. INSTALL FLYWHEEL HOUSING

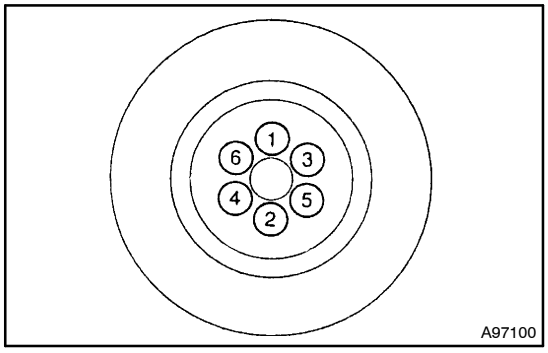
(a) Remove any oil packing material from the contact surface.

(b) Apply a continuous bead of seal packing (diameter: 1.5 to 2.5 mm (0.06 to 0.10 in.)) as shown in the illustration.
Seal packing: Part No. 08826–00080 or equivalent

NOTICE:

- **Remove any oil from the contact surface.**
- **Install the oil seal retainer within 3 minutes after applying seal packing.**
- **Do not put in to engine oil for at least 2 hours after installing.**

(c) Install the flywheel housing with the 14 bolts.
Torque:
132 N·m (1,346 kgf·cm, 97 ft·lbf) for bolt (M14)
28.5 N·m (291 kgf·cm, 21 ft·lbf) for bolt (M8)



9. INSTALL FLYWHEEL SUB–ASSY

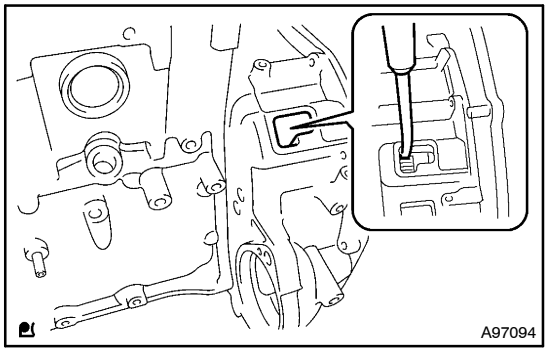
(a) Insert the flywheel slowly until it contacts the collar knock in order to prevent impact on the guide bar. Adjust the position, then insert it completely.

NOTICE:

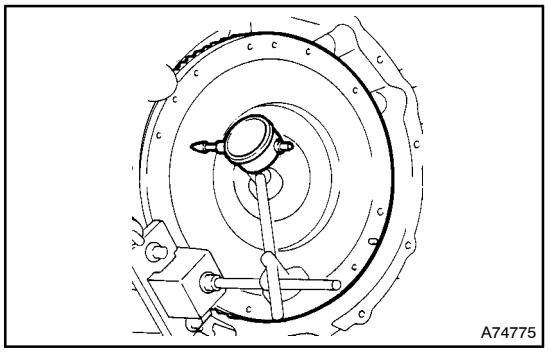
The flywheel is heavy. When removing, be careful not to drop it on your feet.

(b) Apply clean engine oil to the threads of the flywheel bolt and the flywheel bolt seat.

(c) Tighten the flywheel bolts in the order shown in the illustration.
Torque: 190 N·m (1,938 kgf·cm, 140 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.



(d) Using a dial indicator, measure the runout of the flywheel.
Maximum runout: 0.15 mm (0.0059 in.)

If the runout is greater than the maximum, resurface the sliding surface.

10. INSTALL CLUTCH DISC ASSY (See page 42–2)
11. INSTALL TRANSMISSION ASSY (See page 41–3)
12. ADD ENGINE OIL (See page 17–3)
13. CHECK FOR ENGINE OIL LEAKS