ENGINE REAR OIL SEAL (1KD–FTV)

1411U–01

REPLACEMENT

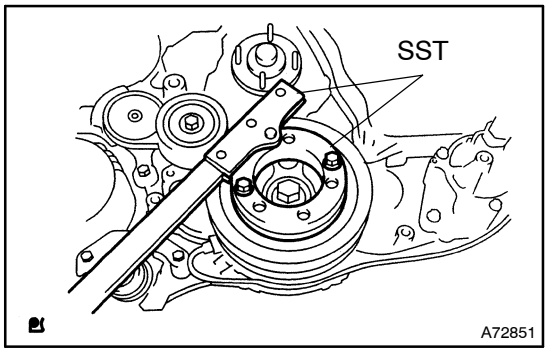
1. REMOVE TRANSMISSION ASSY

HINT:

M/T TRANSMISSION (R150F)... See page 41–13

A/T TRANSMISSION (A343F)... See page 40–33

2. REMOVE CLUTCH DISC ASSY (M/T TRANSMISSION) (See page 42–15)



3. REMOVE FLYWHEEL SUB–ASSY

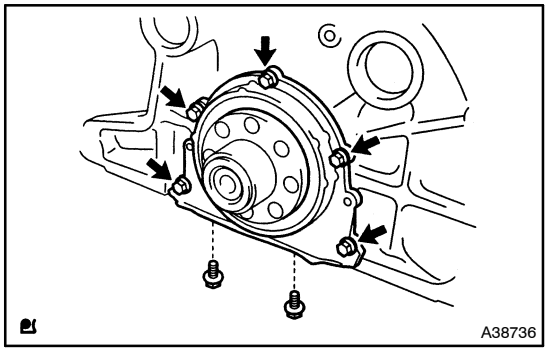
(a) Fix the crankshaft with SST.
SST 09213–58013, 09330–00021

(b) Remove the 8 bolts and flywheel. (MT TRANSMISSION)

(c) Remove the 8 bolts, and remove the drive plate spacer rear, drive plate and flywheel. (AT TRANSMISSION)

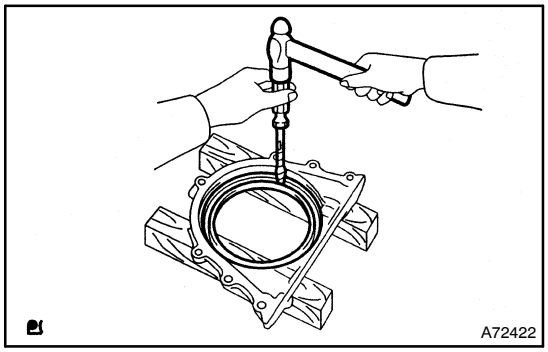
4. REMOVE REAR END PLATE

(a) Remove the bolt and rear end plate.



5. REMOVE ENGINE REAR OIL SEAL RETAINER

(a) Remove the 7 bolts and engine rear oil seal retainer.



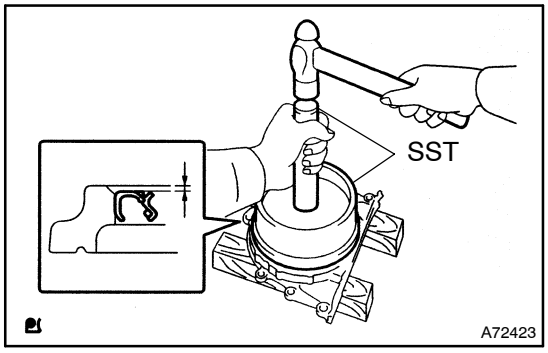
6. REMOVE ENGINE REAR OIL SEAL

(a) Remove the oil seal with a slotted screwdriver in the manner shown in the illustration.

HINT:

Put a protection material around its sharp–end of the screwdriver to protect the oil seal retainer.

(b) Remove oil seal packing (FIPG) from the engine rear oil seal retainer.



7. INSTALL ENGINE REAR OIL SEAL

(a) Using SST and a hammer, tap in a new oil seal.
SST 09223–15030, 09950–70010 (09951–07200)
Acceptable depth from the top–flat–face of the oil seal retainer: 0 to –0.8 mm (0 to –0.020 in.)

NOTICE:

Be sure to make the oil seal a horizontal when embedded.

(b) Apply a bit of MP grease to the oil seal's lip.

NOTICE:

Keep the lip clean. Not to bring dirt or dusts on that area.

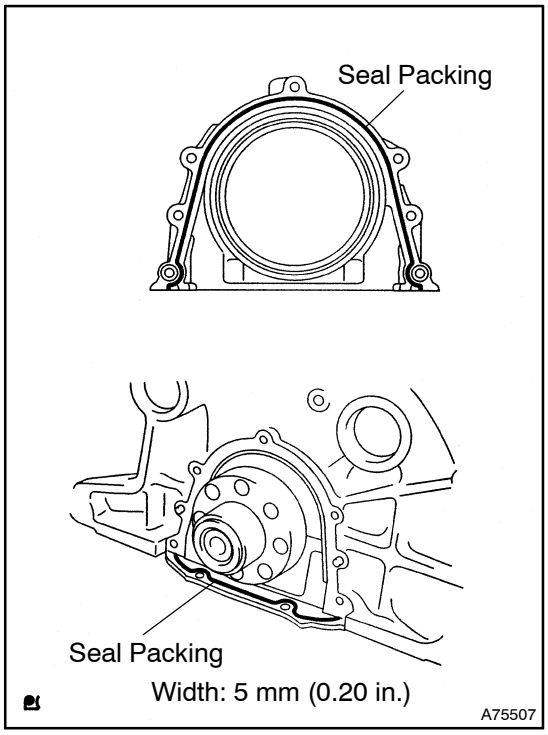
8. INSTALL ENGINE REAR OIL SEAL RETAINER

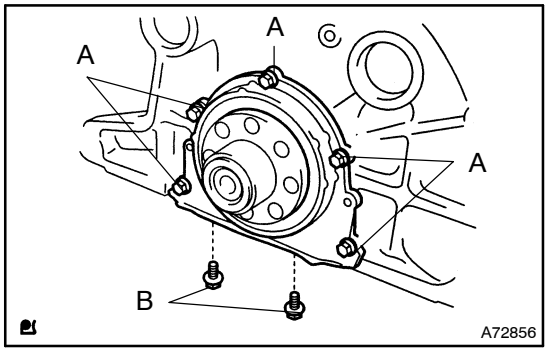
(a) Remove oil seal packing (FIPG) from oil pan and cylinder block.

(b) Apply a seal packing to the specific places described in the illustration.
Seal packing: Part No. 08826–00080 or equivalent

NOTICE:

- **Install the engine rear oil seal retainer within 3 minutes and tighten its bolts within 15 minutes as soon as when applying FIPG is competed.**
- **Do not start the engine 2 hours after the installation.**

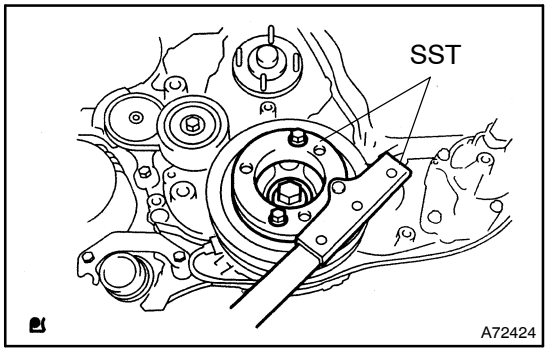




(c) Install the engine rear oil seal retainer with the 7 bolts.
Torque:
13 N·m (133 kgf·cm, 9.6 ft·lbf) for bolt A
16 N·m (163 kgf·cm, 12 ft·lbf) for bolt B

9. INSTALL REAR END PLATE

(a) Install the rear end plate with the bolt.
Torque: 8 N·m (82 kgf·cm, 71 in.·lbf)



10. INSTALL FLYWHEEL SUB–ASSY

(a) Clean up the bolt and its hole.

(b) Apply a bit of an adhesive to the 8 bolts tip.

Adhesive:
Part No. 09330–00070, THREE BOND or equivalent

NOTICE:
Do not start the engine 1 hours after the installation.

(c) Fix the crankshaft with SST.
SST 09213–58013, 09330–00021

(d) Install the flywheel with the 8 bolts (MT TRANSMISSION).
Torque: 178 N·m (1815 kgf·cm, 132 ft·lbf)

(e) Install the flywheel, drive plate and drive plate spacer rear with the 8 bolts (AT TRANSMISSION).
Torque: 178 N·m (1815 kgf·cm, 132 ft·lbf)

11. INSTALL CLUTCH DISC ASSY (M/T TRANSMISSION) (See page 42–15)

12. INSTALL TRANSMISSION ASSY

HINT:

M/T TRANSMISSION (R150F)... See page 41–13

A/T TRANSMISSION (A343F)... See page 40–33

13. CHECK FOR ENGINE OIL LEAKS