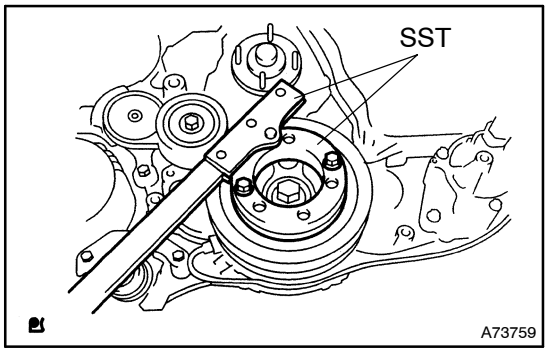
ENGINE REAR OIL SEAL (1KZ–TE)

1410Y–01

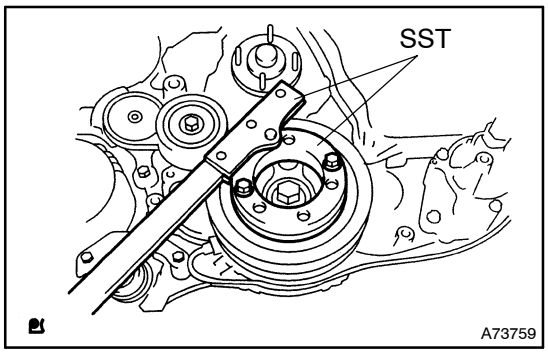
REPLACEMENT

1. **REMOVE MANUAL TRANSMISSION UNIT ASSY (M/T TRANSMISSION)** (See page 41–13)
2. **REMOVE AUTOMATIC TRANSMISSION ASSY (A/T TRANSMISSION)** (See page 40–20)
3. **REMOVE CLUTCH COVER ASSY (M/T TRANSMISSION)** (See page 42–15)
4. **REMOVE CLUTCH DISC ASSY (M/T TRANSMISSION)** (See page 42–15)



5. REMOVE FLYWHEEL SUB–ASSY (M/T TRANSMISSION)

(a) Fix the crankshaft with SST, then remove the 8 bolts and flywheel.
SST 09213–58013, 09330–00021



6. REMOVE DRIVE PLATE & RING GEAR SUB–ASSY (A/T TRANSMISSION)

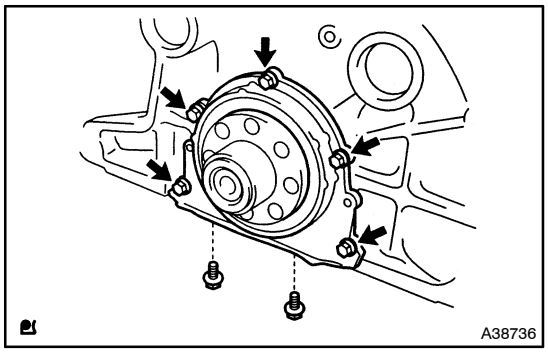
(a) Fix the crankshaft with SST, then remove the 8 bolts, drive plate spacer rear and drive plate & ring gear.
SST 09213–58013

7. REMOVE OIL PAN INSULATOR

(a) Remove the 2 bolts and oil pan insulator.

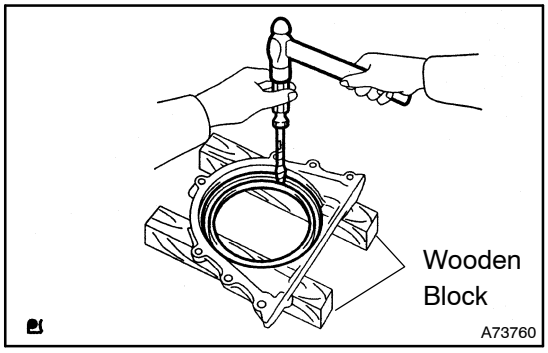
8. REMOVE REAR END PLATE

(a) Remove the bolt and rear plate.



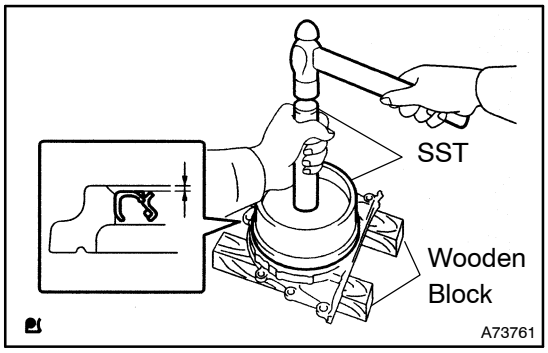
9. REMOVE ENGINE REAR OIL SEAL RETAINER

(a) Remove the 7 bolts and oil seal retainer.
Torque:



10. REMOVE ENGINE REAR OIL SEAL

(a) Using a screwdriver with taping its tip, remove the oil seal.



11. INSTALL ENGINE REAR OIL SEAL

(a) Apply MP grease to a new oil seal lip.

NOTICE:

Keep the lip off of foreign materials.

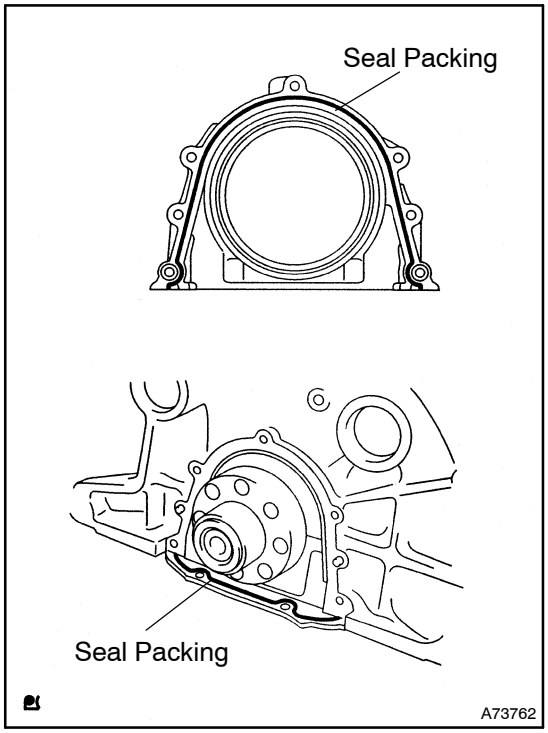
(b) Using SST, tap in the oil seal until its surface is flush with the engine rear oil seal retainer edge.
SST 09223–15030, 09950–70010 (09951–07100)

12. INSTALL ENGINE REAR OIL SEAL RETAINER

(a) Remove any old packing (FIPG) material and be careful not to drop any oil on the contact surfaces of the retainer and cylinder block.

HINT:

- Using a razor blade and gasket scraper, remove all the oil packing (FIPG) material from the gasket surfaces and sealing groove.
- Thoroughly clean all components to remove all the loose material.
- Using a non–residue solvent, clean both sealing surfaces.



(b) Apply seal packing to the retainer as shown in the illustration.
Seal packing: Part No. 08826–00080 or equivalent

(1) Parts must be assembled within 5 minutes of application. Otherwise the material must be removed and reapplied.

(2) Immediately remove nozzle from the tube and reinstall cap.

- Install a nozzle that has been cut to a 2 – 3 mm (0.08 – 0.12 in.) opening.

HINT:

Avoid applying an excessive amount to the surface.

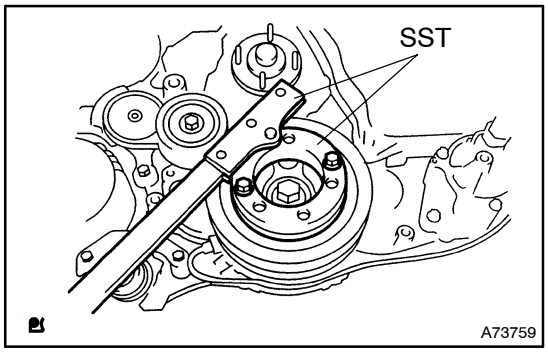
- Parts must be assembled within 5 minutes of application. Otherwise the material must be removed and reapplied.

13. INSTALL REAR END PLATE

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

14. INSTALL OIL PAN INSULATOR

(a) Install the oil pan insulator with 2 bolts.
Torque: 18 N·m (184 kgf·cm, 13 ft·lbf)



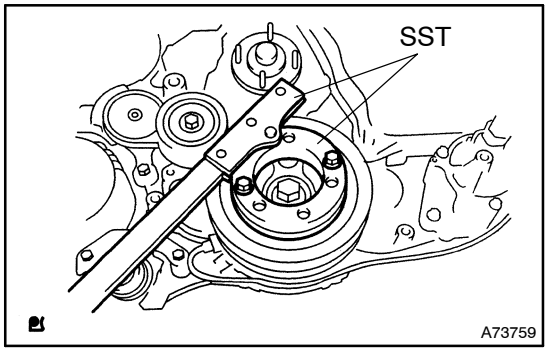
15. INSTALL DRIVE PLATE & RING GEAR SUB–ASSY (A/T TRANSMISSION)

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

(b) Clean the bolts and bolt holes.

(c) Apply adhesive to 2 or 3 threads of the bolt end.
Adhesive:
Part No. 09330–00070, THREE BOND 1324 or equivalent

(d) Install the drive plate & ring gear and drive plate spacer rear with the 8 bolts.
Torque: 178 N·m (1,815 kgf·cm, 132 ft·lbf)



16. INSTALL FLYWHEEL SUB–ASSY (M/T TRANSMISSION)

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

(b) Install and uniformly tighten 8 new bolts to the flywheel in several passes, in the sequence shown.
Torque: 178 N·m (1,815 kgf·cm, 132 ft·lbf)

17. INSTALL CLUTCH DISC ASSY (M/T TRANSMISSION) (See page 42–15)
18. INSTALL CLUTCH COVER ASSY (M/T TRANSMISSION) (See page 42–15)
19. INSTALL AUTOMATIC TRANSMISSION ASSY (A/T TRANSMISSION) (See page 40–20)
20. INSTALL MANUAL TRANSMISSION UNIT ASSY (M/T TRANSMISSION) (See page 41–13)