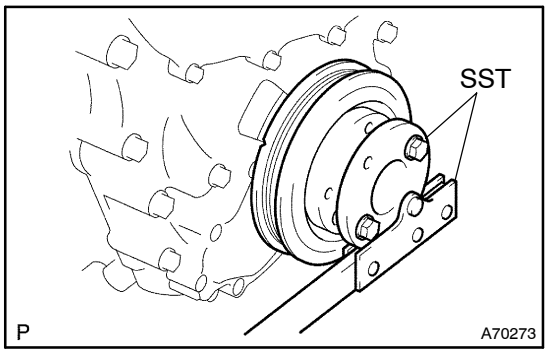
ENGINE REAR OIL SEAL (3RZ–FE)

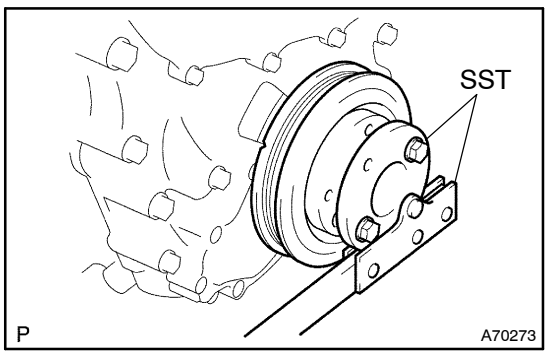
14128–02

REPLACEMENT

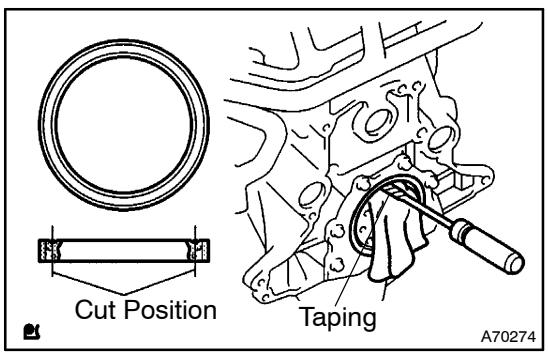
1. **REMOVE ENGINE UNDER COVER SUB–ASSY NO.1**
(a) Remove the 4 bolts and engine under cover.
2. **REMOVE ENGINE UNDER COVER ASSY REAR**
(a) Remove the 4 bolts and engine under cover.
3. **REMOVE VANE PUMP V BELT (See page 14–7)**
4. **REMOVE V (COOLER COMPRESSOR TO CRANKSHAFT PULLEY) BELT NO.1 (W/ AIR CONDITIONING) (See page 14–7)**
5. **REMOVE RADIATOR SUPPORT SEAL UPPER (See page 16–10)**
6. **REMOVE FLUID COUPLING ASSY (See page 16–5)**
7. **REMOVE FAN AND GENERATOR V BELT**
8. **REMOVE FAN PULLEY**
9. **REMOVE VANE PUMP DRIVE PULLEY (See page 17–8)**
10. **REMOVE VANE PUMP DRIVE PULLEY SPACER (W/O AIR CONDITIONING)**
11. **REMOVE CRANKSHAFT PULLEY (W/ AIR CONDITIONING)**
12. **REMOVE AUTOMATIC TRANSMISSION ASSY (A/T TRANSAXLE) (See page 40–6)**
13. **REMOVE MANUAL TRANSMISSION UNIT ASSY (M/T TRANSAXLE) (See page 41–4)**



14. **REMOVE DRIVE PLATE & RING GEAR SUB–ASSY (A/T TRANSAXLE)**
(a) Fix the crankshaft with SST, then remove the 10 bolts, drive plate spacer rear, drive plate & ring gear and drive plate spacer front.
SST 09213–54015 (91651–60855), 09330–00021
15. **REMOVE CLUTCH COVER ASSY (M/T TRANSAXLE) (See page 42–15)**
16. **REMOVE CLUTCH DISC ASSY (M/T TRANSAXLE)**



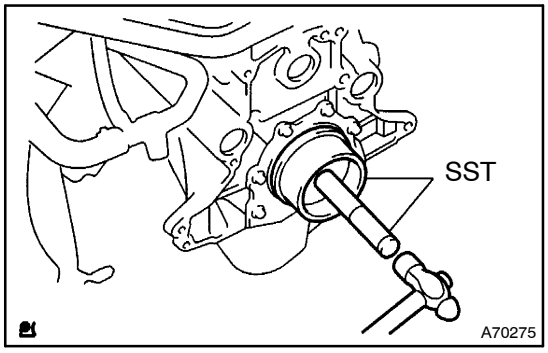
17. **REMOVE FLYWHEEL SUB–ASSY (M/T TRANSAXLE)**
(a) Fix the crankshaft with SST, then remove the 10 bolts and flywheel.
SST 09213–54015 (91651–60855), 09330–00021



18. **REMOVE ENGINE REAR OIL SEAL**
(a) Using a knife, cut off the oil seal lip.
(b) Using a screwdriver with taping its tip, pry out the oil seal.

NOTICE:

After the removal, check if the crankshaft is not damaged. If there is, mend it with a sandpaper (#400).



19. 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 (09951–07150)

NOTICE:

Wipe off extra grease on the crankshaft.

20. INSTALL DRIVE PLATE & RING GEAR SUB–ASSY (A/T TRANSAXLE)

(a) Fix the crankshaft with SST.

SST 09213–54015 (91651–60855), 09330–00021

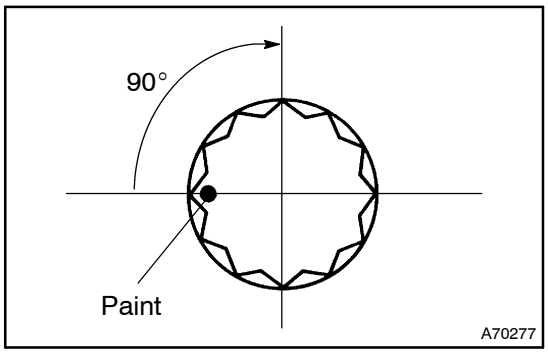
(b) Clean the bolts and bolt holes.

(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 spacer front, drive plate & ring gear and drive plate spacer rear with the 10 bolts.

Torque: 74 N·m (750 kgf·cm, 54 ft·lbf)



21. INSTALL FLYWHEEL SUB–ASSY (M/T TRANSAXLE)

(a) Fix the crankshaft with SST.

SST 09213–54015 (91651–60855), 09330–00021

(b) Install and uniformly tighten 10 new bolts to the flywheel in several passes, in the sequence shown.

Torque: 27 N·m (270 kgf·cm, 20 ft·lbf)

(c) Mark the top of the bolts with paint.

(d) Retighten the bolts by 90° in the numerical order shown above.

(e) Check that the painted mark is now at a 90° angle to the top.

22. INSTALL CLUTCH DISC ASSY (M/T TRANSAXLE)

SST 09301–00110

23. INSTALL CLUTCH COVER ASSY (M/T TRANSAXLE) (See page 42–15)

24. INSTALL AUTOMATIC TRANSMISSION ASSY (A/T TRANSAXLE) (See page 40–6)

25. INSTALL MANUAL TRANSMISSION UNIT ASSY (M/T TRANSAXLE) (See page 41–4)

26. INSTALL VANE PUMP DRIVE PULLEY SPACER (W/O AIR CONDITIONING)

27. REMOVE CRANKSHAFT PULLEY (W/ AIR CONDITIONING)

28. REMOVE VANE PUMP DRIVE PULLEY (See page 17–8)

29. INSTALL FAN PULLEY

30. INSTALL FAN AND GENERATOR V BELT

31. INSTALL FLUID COUPLING ASSY (See page 16–5)

32. INSTALL RADIATOR SUPPORT SEAL UPPER

33. REMOVE V (COOLER COMPRESSOR TO CRANKSHAFT PULLEY) BELT NO.1 (W/ AIR CONDITIONING) (See page 14–7)

34. REMOVE VANE PUMP V BELT (See page 14–7)

35. INSPECT DRIVE BELT (See page 14–1)

36. CHECK FOR ENGINE OIL LEAKS

37. INSTALL ENGINE UNDER COVER ASSY REAR

(a) Install the engine under cover with the 4 bolts.
Torque: 29 N·m (296 kgf·cm, 21 ft·lbf)

38. INSTALL ENGINE UNDER COVER SUB–ASSY NO.1

(a) Install the engine under cover with the 4 bolts.
Torque: 29 N·m (296 kgf·cm, 21 ft·lbf)