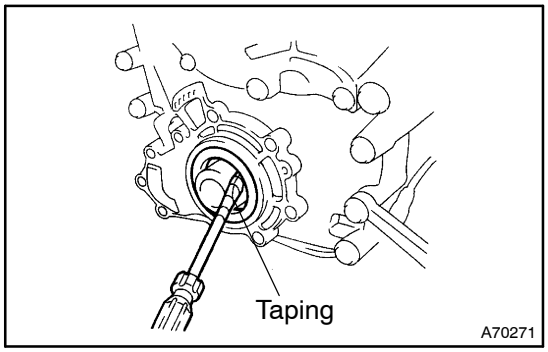
# TIMING GEAR CASE OR TIMING CHAIN CASE OIL SEAL (3RZ–FE)

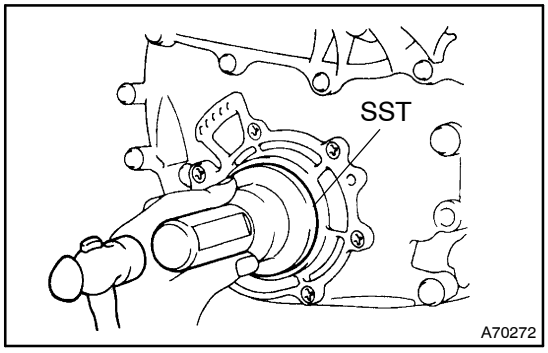
14127–02

## REPLACEMENT

1. **REMOVE ENGINE UNDER COVER SUB–ASSY NO.1**
(a) Remove the 4 bolts and engine under cover.
2. **REMOVE VANE PUMP V BELT (See page 14–7)**
3. **REMOVE V (COOLER COMPRESSOR TO CRANKSHAFT PULLEY) BELT NO.1 (W/ AIR CONDITIONING) (See page 14–7)**
4. **REMOVE RADIATOR SUPPORT SEAL UPPER (See page 16–10)**
5. **REMOVE FLUID COUPLING ASSY (See page 16–5)**
6. **REMOVE FAN AND GENERATOR V BELT**
7. **REMOVE FAN PULLEY**
8. **REMOVE VANE PUMP DRIVE PULLEY (See page 17–8)**
9. **REMOVE VANE PUMP DRIVE PULLEY SPACER (W/O AIR CONDITIONING)**
10. **REMOVE CRANKSHAFT PULLEY (W/ AIR CONDITIONING)**
11. **REMOVE CRANKSHAFT PULLEY (See page 14–68)**
SST 09213–54015 (91651–60855), 09330–00021, 09950–50013 (09951–05010, 09952–05010, 09953–05010, 09954–05021)




12. **REMOVE TIMING GEAR CASE OR TIMING CHAIN CASE OIL SEAL**
(a) 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).**




13. **INSTALL ENGINE REAR OIL SEAL**
(a) Apply MP grease to a new oil seal lip.
**NOTICE:**
**Keep the lip off foreign materials.**
(b) Using SST, tap in the oil seal until its surface is flush with the oil pump cover edge.
SST 09223–50010
**NOTICE:**
**Wipe off extra grease on the crankshaft.**

14. **INSTALL CRANKSHAFT PULLEY (See page 14–68)**
SST 09213–54015 (91651–60855), 09330–00021
15. **INSTALL VANE PUMP DRIVE PULLEY SPACER (W/O AIR CONDITIONING)**
16. **INSTALL CRANKSHAFT PULLEY (W/ AIR CONDITIONING)**
17. **INSTALL VANE PUMP DRIVE PULLEY (See page 17–8)**
18. **INSTALL FAN PULLEY**
19. **INSTALL FAN AND GENERATOR V BELT**
20. **INSTALL FLUID COUPLING ASSY (See page 16–5)**
21. **INSTALL RADIATOR SUPPORT SEAL UPPER**

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

**23. INSTALL VANE PUMP V BELT (See page 14–7)**

**24. INSPECT DRIVE BELT (See page 14–1)**

**25. CHECK FOR ENGINE OIL LEAKS**

**26. 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)**