WATER PUMP ASSY (1MZ–FE)

16099–01

REPLACEMENT

1. DRAIN COOLANT (See page 16–31)
2. REMOVE FRONT WHEEL RH
3. REMOVE FRONT FENDER APRON SEAL RH

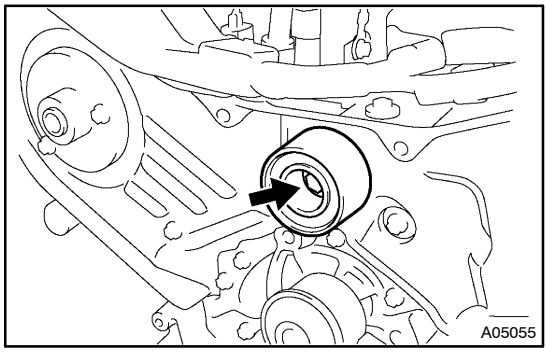
4. REMOVE V (COOLER COMPRESSOR TO CRANKSHAFT PULLEY) BELT NO.1 (See page 14–141)
5. REMOVE VANE PUMP V BELT (See page 14–141)
6. REMOVE ENGINE MOVING CONTROL ROD (See page 14–156)
7. REMOVE ENGINE MOUNTING STAY NO.2 RH (See page 14–156)
8. REMOVE GENERATOR BRACKET NO.2

9. REMOVE CRANKSHAFT PULLEY (See page 14–174)
   SST 09213–54015 (91651–60855), 09330–00021, 09950–50013 (09951–05010, 09952–05010, 09953–05010, 09954–05030)
10. REMOVE TIMING BELT NO.1 COVER

11. REMOVE TIMING BELT NO.2 COVER (See page 14–174)
12. REMOVE TRANSVERSE ENGINE ENGINE MOUNTING BRACKET

13. REMOVE TIMING BELT GUIDE NO.2

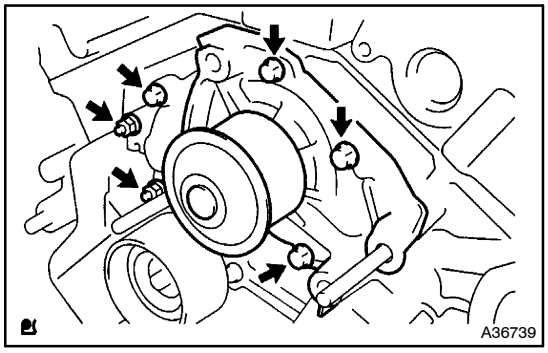
14. REMOVE TIMING BELT (See page 14–211)



15. REMOVE TIMING BELT IDLER SUB–ASSY NO.2

(a) Remove the bolt and timing belt idler sub assembly No. 2.

16. REMOVE CAMSHAFT TIMING PULLEY (See page 14–180)
    SST 09960–10010 (09962–01000, 09963–01000), 09249–63010
17. REMOVE TIMING BELT NO.3 COVER



18. REMOVE WATER PUMP ASSY

(a) Remove the 4 bolts, 2 nuts and water pump assembly.

19. INSTALL WATER PUMP ASSY

(a) Install a new gasket and the water pump with the 4 bolts and 2 nuts.
Torque: 8 N·m (82 kgf·cm, 71 in.·lbf)

20. INSTALL TIMING BELT NO.3 COVER
(See page 14–180)

21. INSTALL CAMSHAFT TIMING PULLEY
(See page 14–180)
SST 09962–01000, 09963–01000), 09960–10010, 09249–63010

22. INSTALL TIMING BELT IDLER SUB–ASSY NO.2

Torque: 43 N·m (438 kgf·cm, 32 ft·lbf)

23. INSPECT TIMING BELT
(See page 14–174)

24. INSTALL TIMING BELT
(See page 14–211)
SST 09960–10010 (09962–01000, 09963–01000)

25. INSTALL CHAIN TENSIONER ASSY NO.1
(See page 14–174)

26. INSTALL TIMING BELT GUIDE NO.2
(See page 14–174)

27. INSTALL TRANSVERSE ENGINE ENGINE MOUNTING BRACKET

Torque: 28 N·m (286 kgf·cm, 21 ft·lbf)

28. INSTALL TIMING BELT NO.2 COVER
(See page 14–174)

29. INSTALL TIMING BELT NO.1 COVER
(See page 14–174)

30. INSTALL CRANKSHAFT PULLEY
(See page 14–174)
SST 09213–54015 (91651–60855), 09330–00021

31. INSTALL GENERATOR BRACKET NO.2

Torque: 28 N·m (286 kgf·cm, 21 ft·lbf)

32. INSTALL ENGINE MOUNTING STAY NO.2 RH
(See page 14–156)

33. INSTALL ENGINE MOVING CONTROL ROD
(See page 14–156)

34. INSTALL VANE PUMP V BELT
(See page 14–141)

35. **INSTALL V (COOLER COMPRESSOR TO CRANKSHAFT PULLEY) BELT NO.1 (See page 14–141)**
36. **INSPECT DRIVE BELT DEFLECTION AND TENSION(REFERENCE) (See page 14–137)**
37. **ADD COOLANT (See page 16–31)**
38. **CHECK ENGINE COOLANT LEAK (See page 16–31)**
39. **INSTALL FRONT WHEEL RH**
    Torque: 103 N·m (1,051 kgf·cm, 76 ft·lbf)