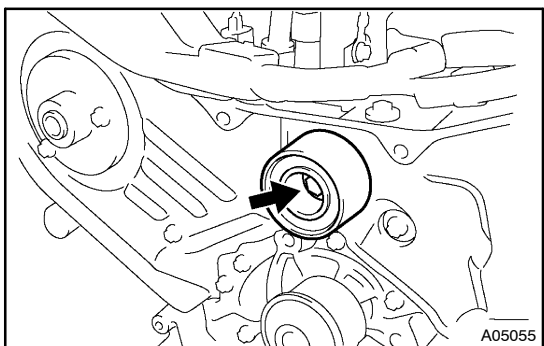


WATER PUMP ASSY (1MZ-FE)

REPLACEMENT

16099-01

1. DRAIN COOLANT (See page 16-31)
2. REMOVE FRONT WHEEL RH
3. REMOVE FRONT FENDER APRON SEAL RH
4. REMOVE V-BELT (COOLER COMPRESSOR TO CRANKSHAFT PULLEY) BELT NO.1 (See page 4-141)
5. REMOVE VANE PUMP V-BELT (See page 4-141)
6. REMOVE ENGINE MOVING CONTROL ROD (See page 4-156)
7. REMOVE ENGINE MOUNTING STAY NO.2 RH (See page 4-156)
8. REMOVE GENERATOR BRACKET NO.2
9. REMOVE CRANKSHAFT PULLEY (See page 4-174)
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 4-174)
12. REMOVE TRANSVERSE ENGINE ENGINE MOUNTING BRACKET
13. REMOVE TIMING BELT GUIDE NO.2
14. REMOVE TIMING BELT (See page 4-211)



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

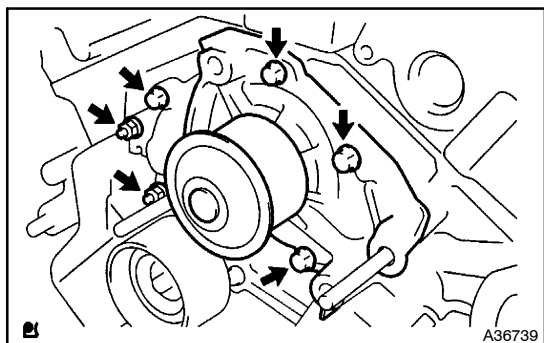
- (a) Remove the bolt and timing belt idler sub-assembly No. 2.

16. REMOVE CAMSHAFT TIMING PULLEY

(See page 4-180)

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 4-180)

21. INSTALL CAMSHAFT TIMING PULLEY

(See page 4-180)

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 4-174)

24. INSTALL TIMING BELT

(See page 4-211)

SST 09960-10010, 09962-01000, 09963-01000

25. INSTALL CHAIN TENSIONER ASSY NO.1

(See page 4-174)

26. INSTALL TIMING BELT GUIDE NO.2

(See page 4-174)

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 4-174)

29. INSTALL TIMING BELT NO.1 COVER

(See page 4-174)

30. INSTALL CRANKSHAFT PULLEY

(See page 4-174)

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 4-156)

33. INSTALL ENGINE MOVING CONTROL ROD

(See page 4-156)

34. INSTALL VANE PUMP V BELT

(See page 4-141)

35. **INSTALL V-BELT (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)