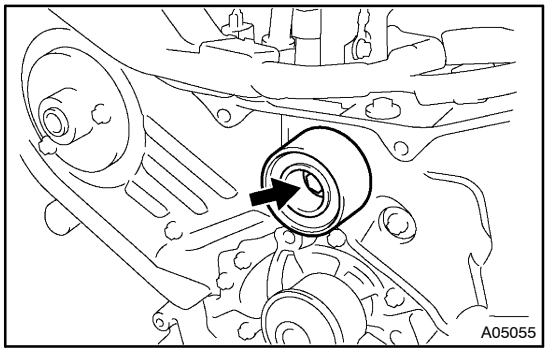
WATER PUMP ASSY (3MZ–FE)

160VQ–01

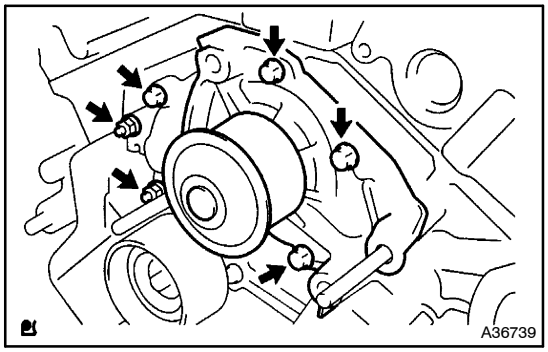
REPLACEMENT

1. DRAIN ENGINE COOLANT (See page 16–7)
2. REMOVE FRONT WHEEL RH
3. REMOVE FRONT FENDER APRON SEAL RH
4. REMOVE V BELT NO.1 (See page 14–5)
5. REMOVE VANE PUMP V BELT (See page 14–5)
6. REMOVE ENGINE MOVING CONTROL ROD (See page 14–24)
7. REMOVE ENGINE MOUNTING STAY NO.2 RH (See page 14–24)
8. REMOVE GENERATOR BRACKET NO.2
9. REMOVE CRANKSHAFT PULLEY (See page 14–49)
10. REMOVE TIMING BELT NO.1 COVER (See page 14–49)
11. REMOVE TIMING BELT NO.2 COVER (See page 14–49)
12. REMOVE ENGINE MOUNTING BRACKET RH
13. REMOVE TIMING BELT GUIDE NO.2
14. REMOVE TIMING BELT



15. REMOVE TIMING BELT IDLER SUB–ASSY NO.2
(a) Remove the bolt and timing belt idler.

16. REMOVE CAMSHAFT TIMING PULLEY (See page 14–56)
17. REMOVE TIMING BELT NO.3 COVER



18. REMOVE WATER PUMP ASSY
(a) Remove the 4 bolts, 2 nuts and water pump.

19. INSTALL WATER PUMP ASSY
(a) Install a new gasket and the water pump with the 4 bolts and 2 nuts.
Torque: 8.0 N·m (82 kgf·cm, 71 in.·lbf)
20. INSTALL TIMING BELT NO.3 COVER (See page 14–56)
21. INSTALL CAMSHAFT TIMING PULLEY (See page 14–56)

22. INSTALL TIMING BELT IDLER SUB–ASSY NO.2
    Torque: 34 N·m (347 kgf·cm, 25 ft·lbf)
23. INSPECT TIMING BELT (See page 14–49)
24. INSTALL TIMING BELT (See page 14–49)
25. INSTALL TIMING BELT TENSIONER ASSY (See page 14–49)
26. INSTALL TIMING BELT GUIDE NO.2
27. INSTALL ENGINE MOUNTING BRACKET RH
    Torque: 28 N·m (286 kgf·cm, 21 ft·lbf)
28. INSTALL TIMING BELT NO.2 COVER
29. INSTALL TIMING BELT NO.1 COVER
30. INSTALL CRANKSHAFT PULLEY (See page 14–49)
31. INSTALL GENERATOR BRACKET NO.2
    Torque: 43 N·m (438 kgf·cm, 32 ft·lbf)
32. INSTALL ENGINE MOUNTING STAY NO.2 RH (See page 14–24)
33. INSTALL ENGINE MOVING CONTROL ROD (See page 14–24)
34. INSTALL VANE PUMP V BELT (See page 14–5)
35. INSTALL V BELT NO.1 (See page 14–5)
36. INSPECT DRIVE BELT DEFLECTION
37. ADD ENGINE COOLANT (See page 16–7)
38. CHECK FOR ENGINE COOLANT LEAKS (See page 16–1)
39. INSTALL FRONT WHEEL RH