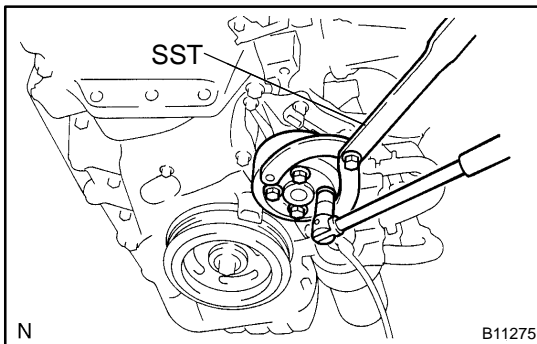


WATER PUMP ASSY (2AZ-FE)(From July, 2003)

REPLACEMENT

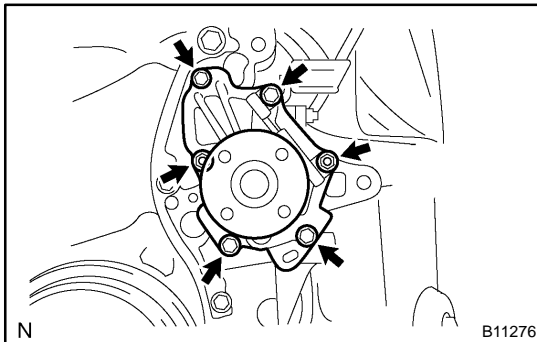
1602V-09

1. DRAIN ENGINE COOLANT (See page 16-6)
2. REMOVE FRONT WHEEL RH
3. REMOVE FRONT FENDER APRON SEAL RH
4. REMOVE ENGINE MOVING CONTROL ROD W/BRACKET (See page 14-29)
5. REMOVE ENGINE MOUNTING STAY NO.2 RH (See page 14-29)
6. REMOVE ENGINE MOUNTING BRACKET NO.2 RH (See page 14-29)
7. REMOVE FAN AND GENERATOR V BELT (See page 14-5)
8. REMOVE GENERATOR ASSY (See page 19-17)



9. REMOVE WATER PUMP PULLEY

- (a) Using SST, remove the 4 bolts and pump pulley.
SST 09960-10010 (09962-01000, 09963-00700)
- (b) Disconnect the crankshaft position sensor wire harness clamp.



10. REMOVE WATER PUMP ASSY

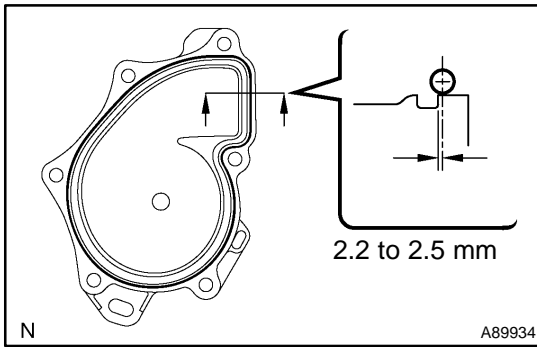
- (a) Remove the 4 bolts, 2 nuts, bracket and water pump.

11. INSTALL WATER PUMP ASSY

- (a) Remove any old packing (FIPG) material and be careful not to drop any oil on the contacting surfaces of the water pump and cylinder block.

HINT:

- Using a razor blade and gasket scraper, remove all the old packing (FIPG) materials from the gasket surfaces and sealing grooves.
- Thoroughly clean all components to remove all loose material.
- Using a non-residue solvent, clean both sealing surfaces.

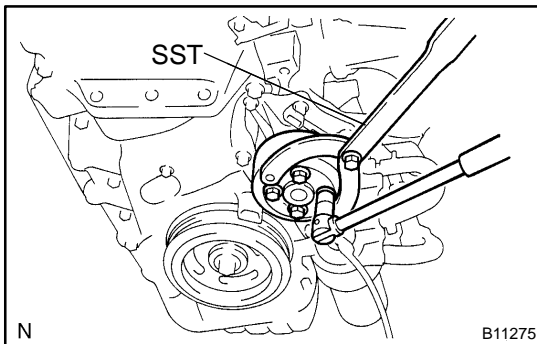
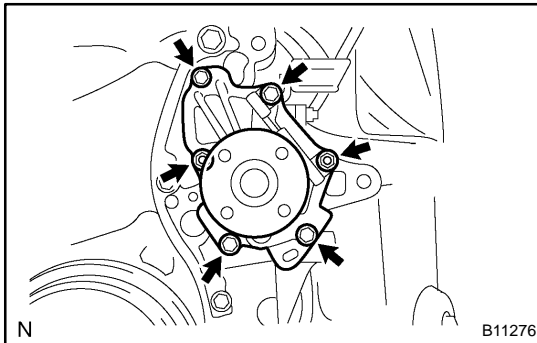


- (b) Apply seal packing to the water pump as shown in the illustration.

Seal packing: Part No. 08826-00080 or equivalent

HINT:

- Install a nozzle that has been cut to a 2.2 to 2.5 mm (0.09 to 0.10 in.) opening.
 - Parts must be assembled within 5 minutes of application. Otherwise the material must be removed and reapplied.
 - Immediately remove the nozzle from the tube and reinstall cap.
- (c) Install the water pump and bracket with the 4 bolts and 2 nuts.
- Torque: 9.0 N·m (92 kgf·cm, 80 in.-lbf)**
- (d) Connect the crankshaft position sensor wire harness clamp.



12. INSTALL WATER PUMP PULLEY

- (a) Using SST, install the pump pulley with the 4 bolts.
 SST 09960-10010 (09962-01000, 09963-00700)
Torque: 26 N·m (265 kgf·cm, 19 ft·lbf)

13. **INSTALL GENERATOR ASSY** (See page 19-17)
14. **INSTALL FAN AND GENERATOR V BELT** (See page 14-5)
15. **INSTALL ENGINE MOUNTING BRACKET NO.2 RH** (See page 14-29)
16. **INSTALL ENGINE MOVING CONTROL ROD W/BRACKET** (See page 14-29)
17. **INSTALL ENGINE MOUNTING STAY NO.2 RH** (See page 14-29)
18. **INSTALL FRONT FENDER APRON SEAL RH**
19. **INSTALL FRONT WHEEL RH**
20. **ADD ENGINE COOLANT** (See page 16-6)
21. **CHECK FOR ENGINE COOLANT LEAKS** (See page 16-1)