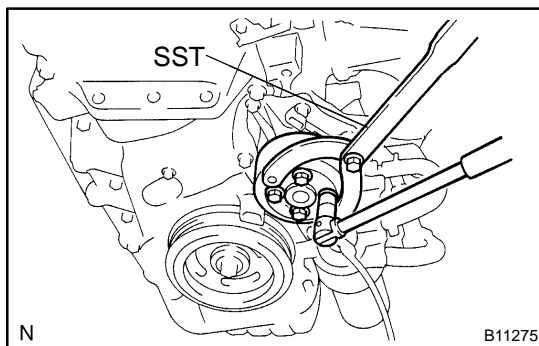


# WATER PUMP ASSY (2AZ-FE)

1602V-08

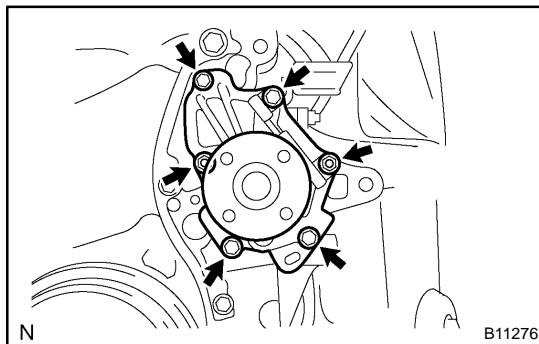
## REPLACEMENT

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 14-24 )
5. REMOVE ENGINE MOUNTING STAY NO.2 RH (See page 14-24 )
6. REMOVE ENGINE MOUNTING BRACKET NO.2 RH (See page 14-24 )
7. REMOVE FAN AND GENERATOR V BELT (See page 14-5 )
8. REMOVE GENERATOR ASSY (See page 19-16 )



### 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:

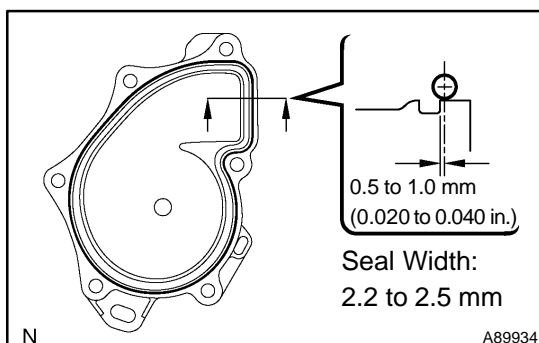
- Using a razor blade and gasket scraper, remove all the old packing (FIPG) materials from the gasket surfaces and sealing grooves.
- Thoroughly clean all components to remove all loose material.
- Using a non-residue solvent, clean both sealing surfaces.

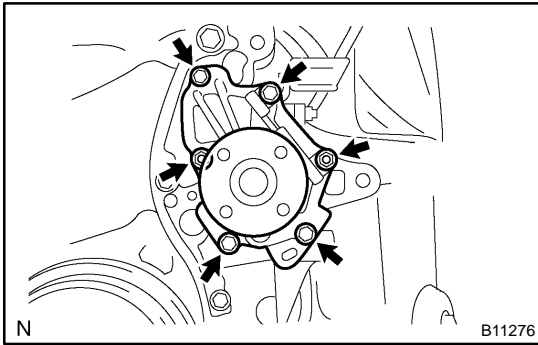
- (b) Apply seal packing to the water pump as shown in the illustration.

**Seal packing: Part No. 08826-00080 or equivalent**

#### HINT:

- Install a nozzle that has been cut to a 2.2 to 2.5 mm (0.087 to 0.098 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.

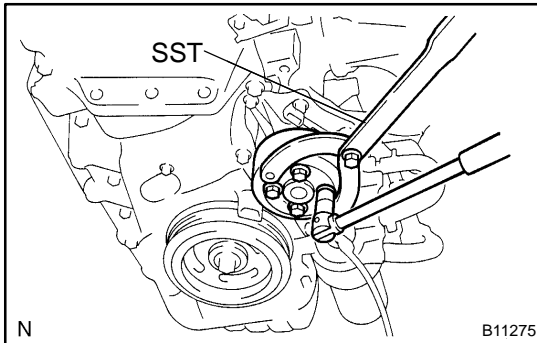




- (c) Install the water pump and bracket with the 4 bolts and 2 nuts.

**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 19-16 )
14. INSTALL FAN AND GENERATOR V BELT (See page 14-5 )
15. INSTALL ENGINE MOUNTING BRACKET NO.2 RH (See page 14-24 )
16. INSTALL ENGINE MOVING CONTROL ROD W/BRACKET (See page 14-24 )
17. INSTALL ENGINE MOUNTING STAY NO.2 RH (See page 14-24 )
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 )