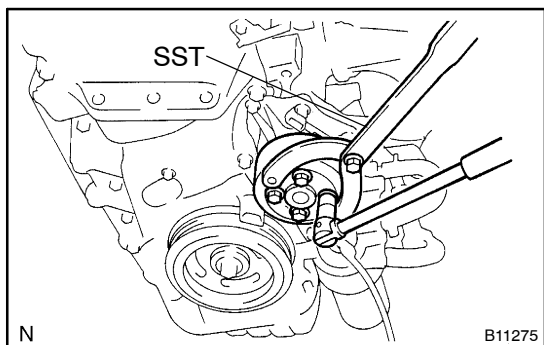


WATER PUMP ASSY (1AZ-FE)

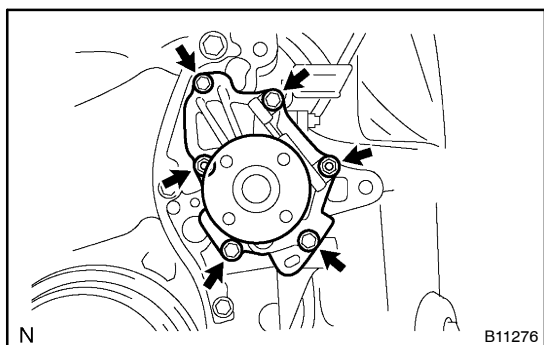
REPLACEMENT

1. DRAIN COOLANT (See page 16-6)
2. REMOVE FAN AND GENERATOR V-BELT
(See page 14-5)
SST 09249-63010
3. REMOVE GENERATOR ASSY
(See page 19-7)



4. REMOVE WATER PUMP PULLEY

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



5. REMOVE WATER PUMP ASSY

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

6. INSTALL WATER PUMP ASSY

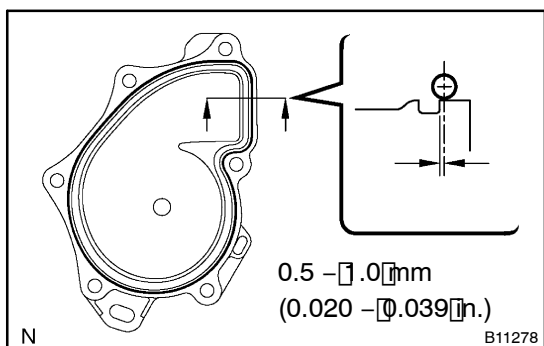
- (a) Remove any old packing (FIPG) material from the contact surface.
- (b) Apply seal packing to the water pump as shown in the illustration.

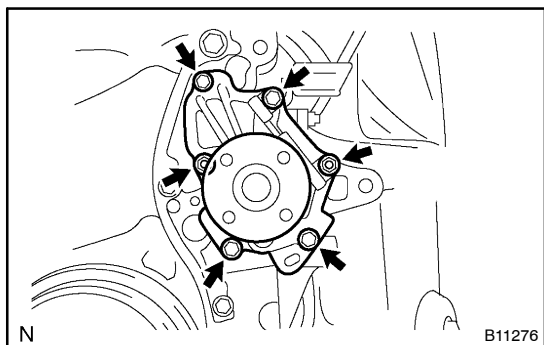
Seal packing:

Part No. 08826-00080 or equivalent

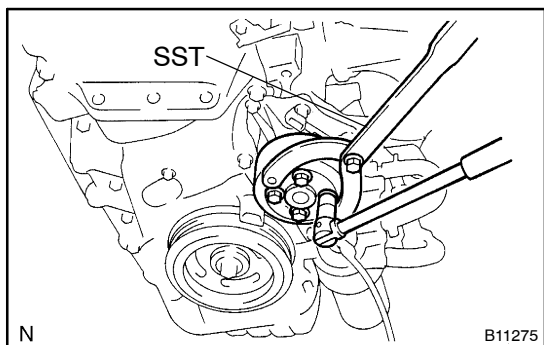
NOTICE:

- Remove any oil from the contact surface.
- install the water pump within 5 minutes after applying.
- Do not put into engine oil within 2 hours after installing.





- (c) Install the water pump and bracket with 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.



7. INSTALL WATER PUMP PULLEY

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

8. INSTALL GENERATOR ASSY

(See page 19-7)

9. INSTALL FAN AND GENERATOR V-BELT

(See page 14-5)

SST 09249-63010

10. ADD COOLANT (See page 16-6)

11. INSPECT/CHECK ENGINE COOLANT LEAK (See page 16-1)