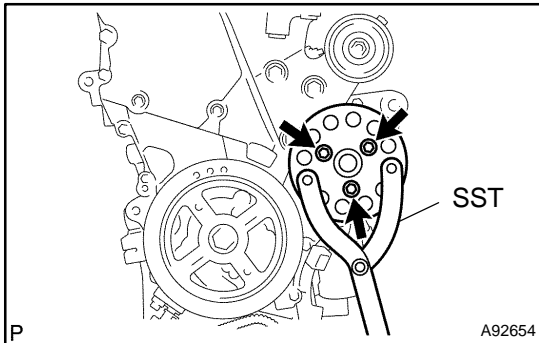


# WATER PUMP ASSY (1NZ-FXE)

160TX-01

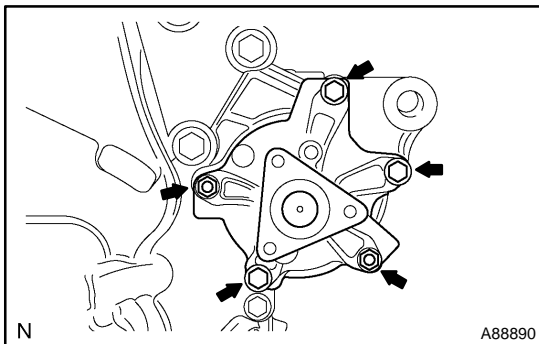
## REPLACEMENT

1. REMOVE RADIATOR SUPPORT OPENING COVER (See page 16-11)
2. REMOVE ENGINE UNDER COVER LH
3. REMOVE ENGINE UNDER COVER RH
4. DRAIN ENGINE COOLANT (See page 16-11)
5. REMOVE FAN AND GENERATOR V BELT (See page 14-5)



### 6. REMOVE WATER PUMP PULLEY

- (a) Using SST, hold the water pump pulley.  
SST 09960-10010 (09962-01000, 09963-00600)
- (b) Remove the 3 bolts and water pump pulley.

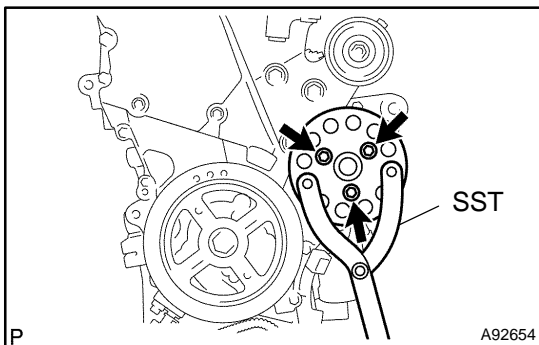


### 7. REMOVE WATER PUMP ASSY

- (a) Remove the 3 bolts and 2 nuts, then remove the water pump assembly.

### 8. INSTALL WATER PUMP ASSY

- (a) Install a new gasket, then install the water pump assembly with the 3 bolts and 2 nuts.  
**Torque: 11 N·m (112 kgf·cm, 8.1 ft·lbf)**



### 9. INSTALL WATER PUMP PULLEY

- (a) Temporarily install the water pump pulley with the 3 bolts.
- (b) Using SST, hold the water pump pulley.  
SST 09960-10010 (09962-01000, 09963-00600)
- (c) Tighten the 3 bolts with the specified torque.  
**Torque: 15 N·m (153 kgf·cm, 11 ft·lbf)**

### 10. INSTALL FAN AND GENERATOR V BELT

11. INSPECT DRIVE BELT DEFLECTION AND TENSION (See page 14-1)
12. ADD ENGINE COOLANT (See page 16-11)
13. CHECK FOR ENGINE COOLANT LEAKS (See page 16-2)

14. **INSTALL ENGINE UNDER COVER RH**
15. **INSTALL ENGINE UNDER COVER LH**
16. **INSTALL RADIATOR SUPPORT OPENING COVER**