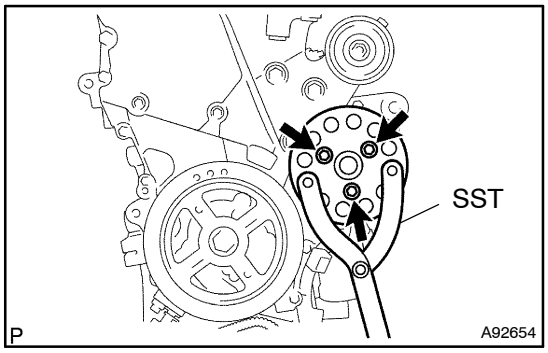
WATER PUMP ASSY (1NZ–FXE)

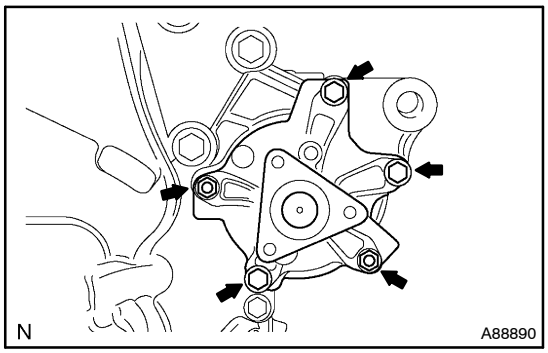
160TI–01

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)

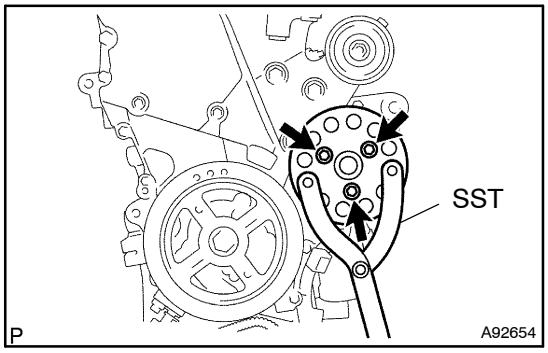


6. **REMOVE WATER PUMP PULLEY**
(a) Using SST, hold the water pump pulley.
SST 09960–10010 (09962–01000, 09963–00600)
(b) Remove the 3 bolts and water pump pulley.



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 (See page 14–5)
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