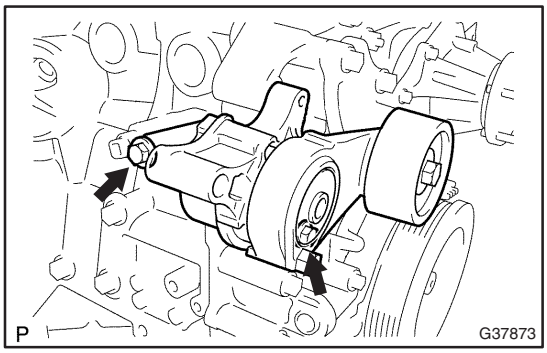
WATER PUMP ASSY (2TR–FE)

1610J–01

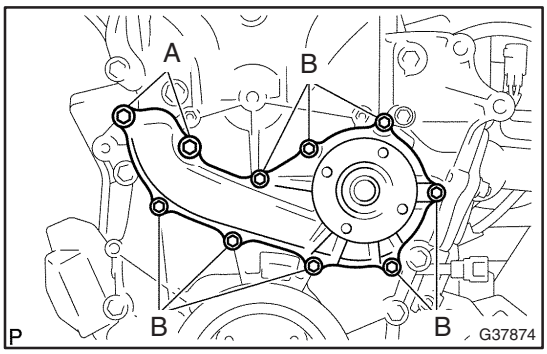
REPLACEMENT

1. DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL
2. DRAIN ENGINE COOLANT (SEE PAGE 16–5)
3. REMOVE RADIATOR HOSE INLET (SEE PAGE 16–11)
4. REMOVE FAN AND GENERATOR V BELT (SEE PAGE 14–9)
5. REMOVE FAN SHROUD (SEE PAGE 14–19)
6. REMOVE FAN PULLEY (SEE PAGE 14–19)
7. REMOVE GENERATOR ASSY (SEE PAGE 19–8)



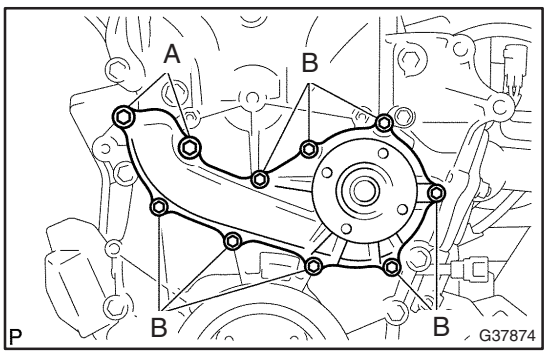
8. REMOVE V–RIBBED BELT TENSIONER ASSY

(a) Remove the 2 bolts and V–belt tensioner.



9. REMOVE WATER PUMP ASSY

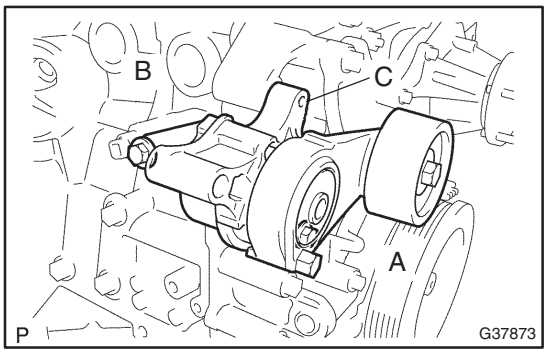
(a) Remove the 10 bolts, water pump assy and gasket.



10. INSTALL WATER PUMP ASSY

(a) Install a new gasket and the water pump assy with the 10 bolts.

Torque:
Bolt A: 21 N·m (214 kgf·cm, 15 ft·lbf)
Bolt B: 9.0 N·m (92 kgf·cm, 80 in.·lbf)



11. INSTALL V–RIBBED BELT TENSIONER ASSY

(a) Temporarily install bolts A and B.

(b) Tighten bolt B.

Torque: 40 N·m (408 kgf·cm, 30 ft·lbf)

(c) Tighten bolt A.

Torque: 21 N·m (214 kgf·cm, 15 ft·lbf)

(d) Check that hole C aligns with the screw part of the chain case.

12. INSTALL GENERATOR ASSY (SEE PAGE 19–8)
13. INSTALL FAN PULLEY (SEE PAGE 14–19)
14. INSTALL FAN SHROUD (SEE PAGE 14–19)
15. INSTALL FAN AND GENERATOR V BELT (SEE PAGE 14–9)
16. INSPECT DRIVE BELT (SEE PAGE 14–1)
17. INSTALL RADIATOR HOSE INLET (SEE PAGE 16–11)
18. CONNECT CABLE TO NEGATIVE BATTERY TERMINAL
19. ADD ENGINE COOLANT (SEE PAGE 16–5)
20. CHECK FOR ENGINE COOLANT LEAKS (SEE PAGE 16–1)