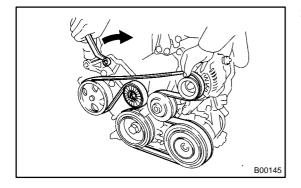
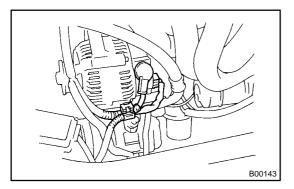
WATER PUMP ASSY (2ZZ-GE) REPLACEMENT

160CZ-01

- 1. REMOVE ENGINE UNDER COVER RH
- 2. DRAIN COOLANT (See page 16-6)

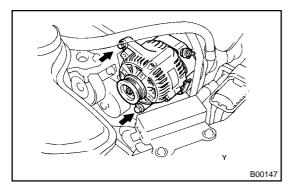


3. REMOVE FAN AND GENERATOR V BELT (See page 14–177)

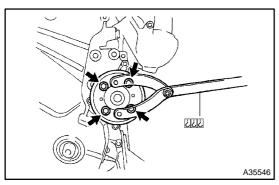


4. REMOVE GENERATOR ASSY

- (a) Disconnect the wire clamp from the wire clip on the rectifire end frame.
- (b) Remove the rubber cap and nut, and disconnect the alternator wire.
- (c) Disconnect the alternator connector.



(d) Remove the 2 bolts and alternator.

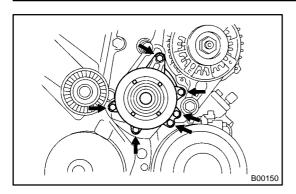


5. REMOVE WATER PUMP ASSY

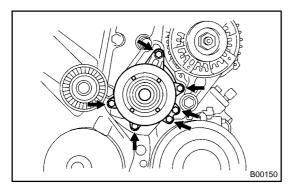
(a) Using SST, remove 4 bolts and the water pump pulley. SST 09960–10010 (09962–01000, 09963–00600)

2003 COROLLA MATRIX (RM940U)

Author: Date: 1620



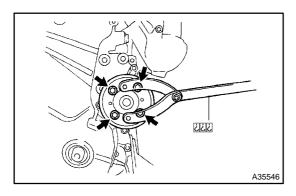
(b) Remove the 6 bolts, water pump and O-ring.



6. INSTALL WATER PUMP ASSY

- (a) Place a new O-ring on the timing chain cover.
- (b) Install the water pump with the 6 bolts.

 Torque: 9.0 N·m (92 kgf·cm, 80 in·lbf)



(c) Using SST, install the water pump pulley. SST 09960–10010 (09962–01000, 09963–00600) Torque: 15 N·m (153 kgf·cm, 11 ft·lbf)

7. INSTALL GENERATOR ASSY

Torque:

12 mm head 25 N·m (250 kgf·cm, 18 ft·lbf)

14 mm head 54 N·m (550 kgf·cm, 39 ft·lbf)

- 8. ADD COOLANT (See page 16-6)
- 9. CHECK ENGINE COOLANT LEAK (See page 16-6)