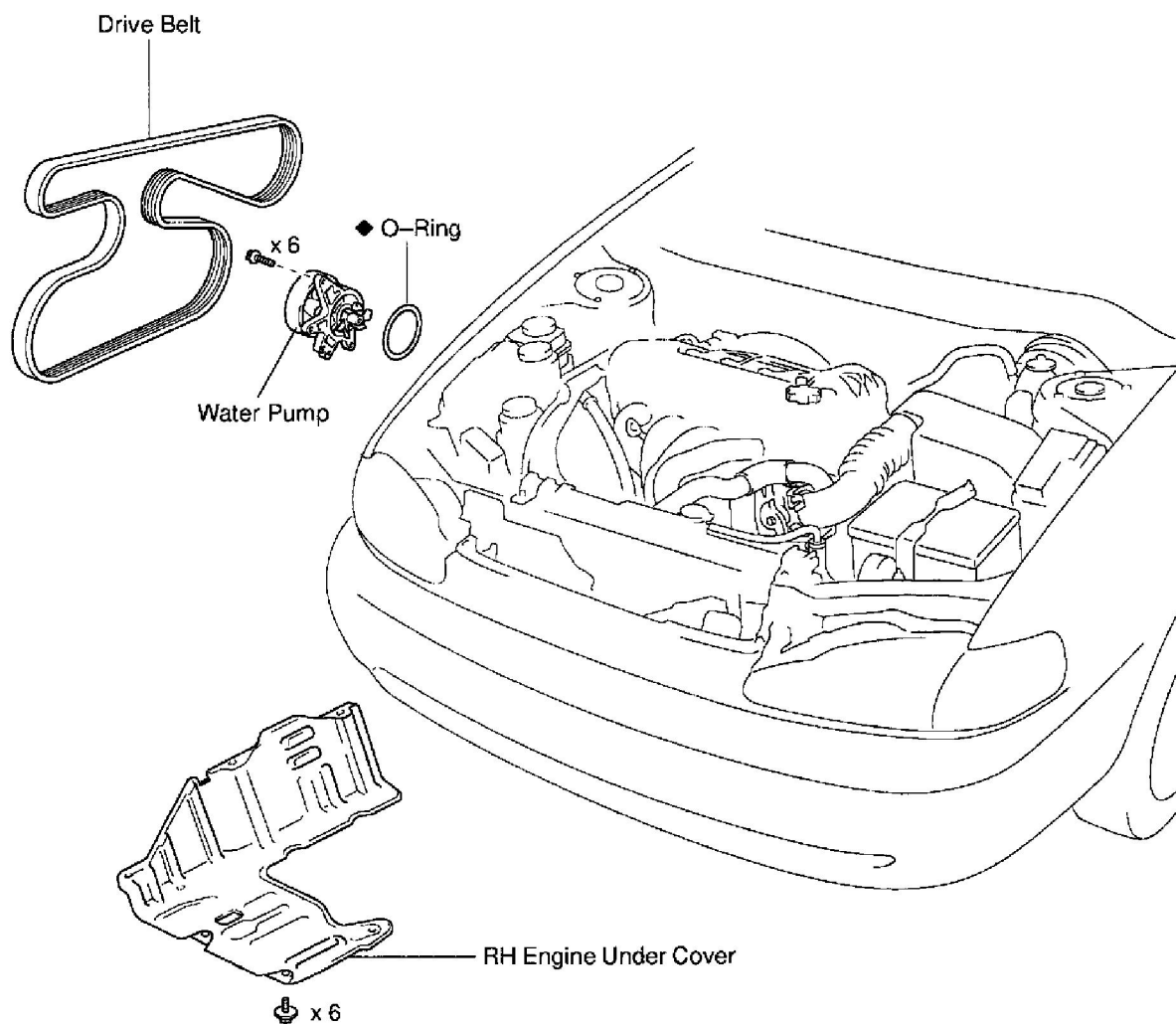


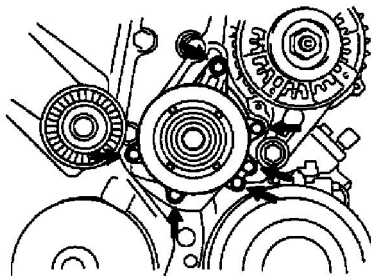
Water Pump: Service and Repair



◆ Non-reusable part

REMOVAL

1. REMOVE RIGHT-HAND ENGINE UNDER COVER
2. DRAIN ENGINE COOLANT
3. REMOVE DRIVE BELT

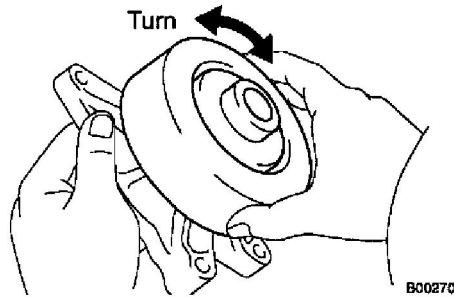


4. REMOVE WATER PUMP

- Remove the 6 bolts, water pump and O-ring.
- Clean up the engine coolant from the water chamber room.

NOTICE: Do not remove the Right-Hand engine mounting bracket and generator when the water pump alone is replaced.

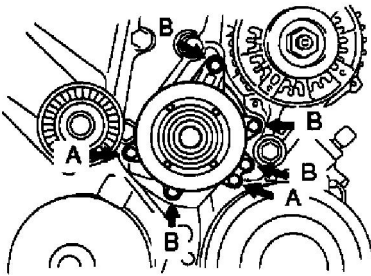
INSPECTION



1. INSPECT WATER PUMP

- Visually check the drain hole for coolant leakage. If leakage is found, replace the water pump.
- Turn the pulley, and check that the water pump bearing moves smoothly and quietly.
If necessary, replace the water pump.

INSTALLATION



1. INSTALL WATER PUMP

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

Torque:

9 Nm (92 kgf-cm, 80 inch lbs.) for Bolt A

11 Nm (113 kgf-cm, 8 ft. lbs.) for Bolt B

HINT: Each bolt length is indicated in the illustration.

A: **30 mm (1.18 inch)**

B: **35 mm (1.38 inch)**

- INSTALL RIGHT-HAND ENGINE UNDER COVER
- INSTALL DRIVE BELT
- FILL WITH ENGINE COOLANT
- START ENGINE AND CHECK FOR LEAKS
- RECHECK ENGINE COOLANT LEVEL