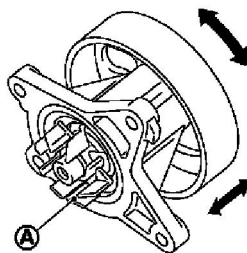


Water Pump: Procedures

WATER PUMP

Inspection

INSPECTION AFTER REMOVAL



- Check visually that there is no significant dirt or rusting on water pump body and vane (A).
- Check that there is no looseness in vane shaft, and that it turns smoothly when rotated by hand.
- Replace water pump, if necessary.

INSPECTION AFTER INSTALLATION

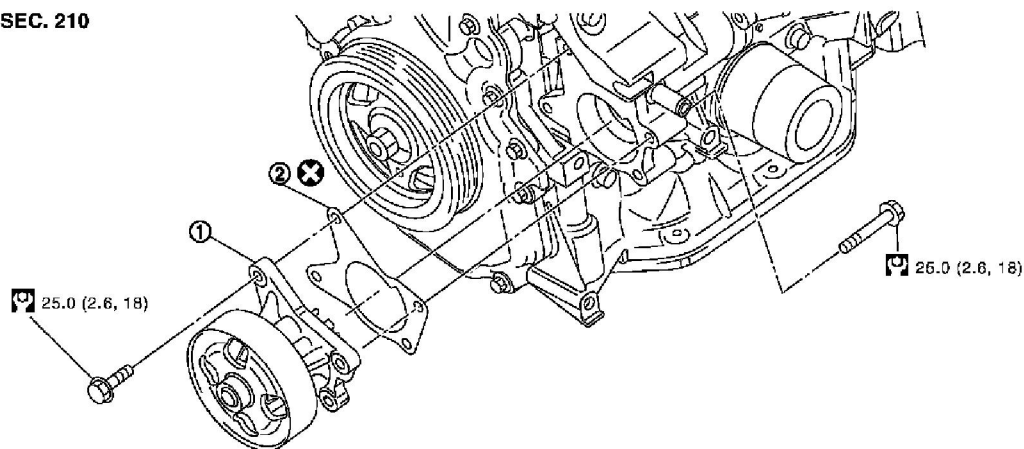
- Check for leakage of engine coolant using the radiator cap tester adapter (commercial service tool) and the radiator cap tester (commercial service tool). See: Cooling System/Coolant/Service and Repair/Inspection.
- Start and warm up the engine. Check visually that there is no leakage of engine coolant.


Water Pump: Removal and Replacement Exploded View

WATER PUMP

Exploded View

SEC. 210



 : N·m (kg·m, ft·lb)

1. Water pump

2. Gasket

Refer to [GI-4, "Components"](#) for symbols in the figure.

Water Pump: Removal and Replacement

Removal and Installation

WATER PUMP

Removal and Installation

REMOVAL

1. Drain engine coolant from radiator. See: Cooling System/Coolant/Service and Repair/Draining.

CAUTION:

- **Perform this step when the engine is cold.**
 - **Never spill engine coolant on drive belt.**
2. Remove front fender protector (RH). See: Body and Frame/Fender/Front Fender/Front Fender Liner/Service and Repair/Exploded View.
 3. Remove drive belt. See: Drive Belts, Mounts, Brackets and Accessories/Drive Belt/Service and Repair/Removal and Replacement/Removal And Installation.
 4. Remove water pump.
 - Engine coolant leakage from cylinder block, so have a receptacle ready below.

CAUTION:

- **Handle water pump vane so that it does not contact any other parts.**
- **Water pump cannot be disassembled and should be replaced as a unit.**

INSTALLATION

Install in the reverse order of removal.