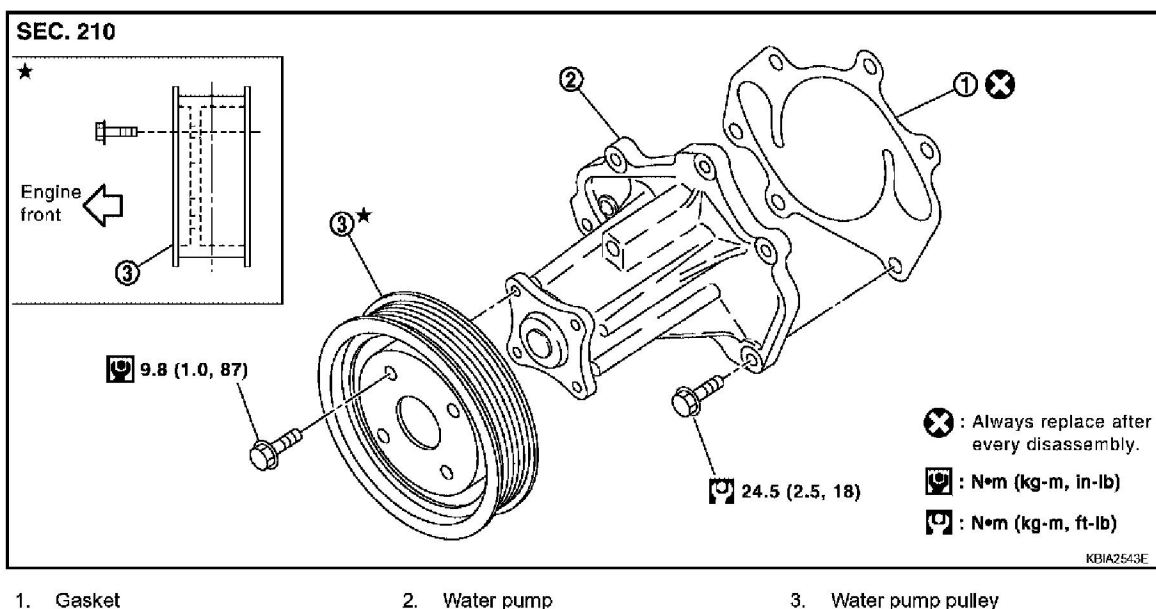


Water Pump: Service and Repair

WATER PUMP

Removal and Installation



Refer to Diagram Information and Instructions for additional symbol definitions.

Exploded View CO-19

CAUTION:

- ^ When removing water pump, be careful not to get engine coolant on drive belt.
- ^ Water pump cannot be disassembled and should be replaced as a unit.

REMOVAL

1. Drain engine coolant so that no engine coolant comes out from water pump fitting hole.

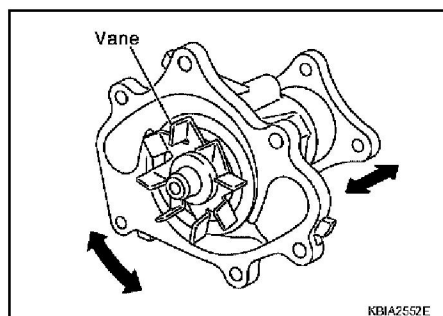
CAUTION: Perform when the engine is cold.

2. Remove the engine front undercover using power tool.
3. Remove the air duct and resonator assembly.
4. Remove the drive belt.
5. Remove the water pump pulley.
6. Remove the water pump.

^ Engine coolant will leak from the cylinder block, so have a receptacle ready below.

CAUTION: Handle water pump vane so that it does not contact any other parts.

INSPECTION AFTER REMOVAL



- ^ Visually check that there is no significant dirt or rust on the water pump body and vane.

2007 Nissan-Datsun Truck Armada 4WD V8-5.6L (VK56DE)

- ^ Make sure there is no looseness in the vane shaft, and that it turns smoothly when rotated by hand.
- ^ Replace the water pump, if necessary.

INSTALLATION

Installation is in the reverse order of removal.

- ^ After installation bleed the air from the cooling system.

INSPECTION AFTER INSTALLATION

- ^ Check for leaks of engine coolant.
- ^ Start and warm up engine. Visually check for leaks of the engine coolant.