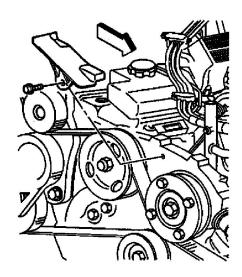
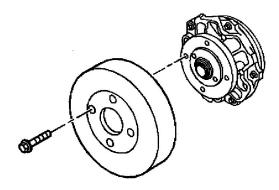
Water Pump: Service and Repair Water Pump Replacement

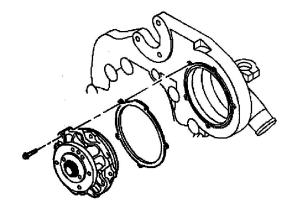
Removal Procedure



- 1. Drain the cooling system until the coolant is below the level of the water pump. Refer to Draining and Filling Cooling System.
- 2. Remove the drive belt guard.
- 3. Loosen the water pump pulley bolts.
- 4. Remove the drive belt. Refer to Drive Belt Replacement.



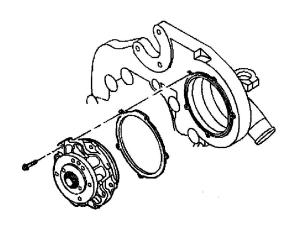
- 5. Remove the water pump pulley bolts.
- 6. Remove the water pump pulley.



- 7. Remove the water pump bolts.
- 8. Remove the water pump.

- 9. Remove the water pump gasket.
- 10. Clean the water pump mating surfaces.

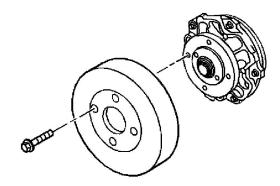
Installation Procedure



- 1. Install the water pump gasket.
- 2. Install the water pump.

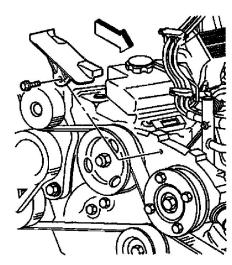
Notice: Refer to Fastener Notice in Service Precautions.

- 3. Install the water pump bolts.
 - ^ Tighten the bolts to 10 Nm (89 inch lbs.).



- 4. Install the water pump pulley. Loosely install the mounting bolts.
- 5. Install the drive belt. Refer to Drive Belt Replacement.
- 6. Install the water pump pulley bolts.
 - ^ Tighten the bolts to 25 Nm (18 inch lbs.).

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- 7. Install the drive belt guard.8. Fill the cooling system. Refer to Draining and Filling Cooling System.9. Inspect the cooling system for leaks.