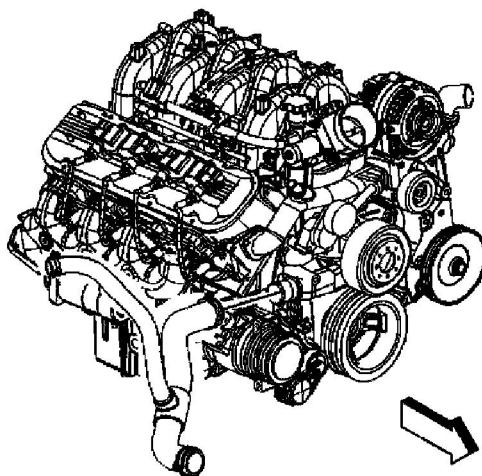


Water Pump: Service and Repair

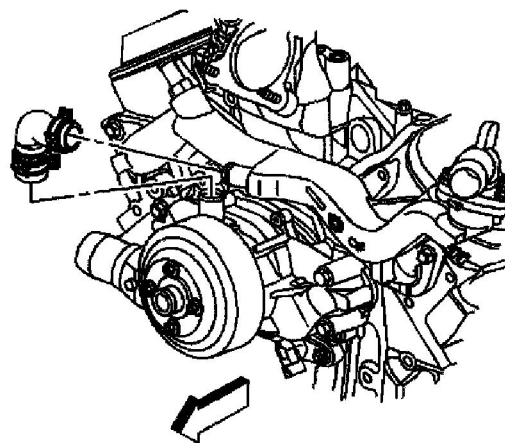
Water Pump Replacement (8.1 L Engine)

Removal Procedure

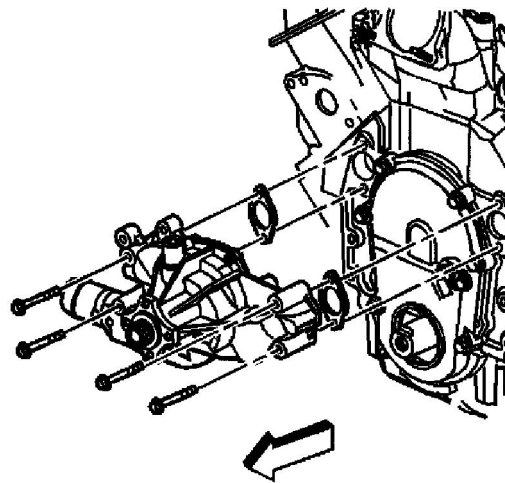
1. Drain the cooling system.
2. Remove the drive belt.
3. Remove the fan clutch.



4. Position the outlet hose clamp at the water pump.
5. Remove the outlet hose from the water pump.

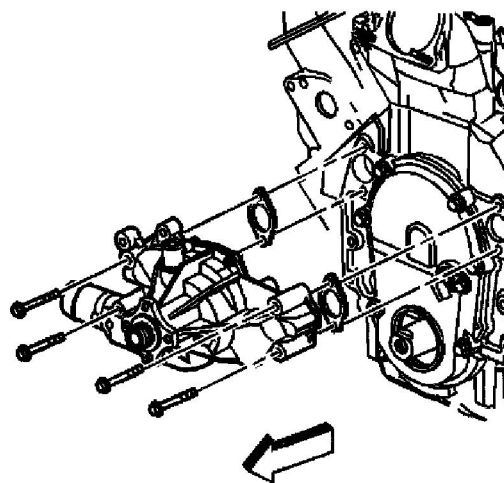


6. Position the bypass hose clamps at the water pump and water crossover.
7. Remove the bypass hose.



8. Remove the water pump bolts.
9. Remove the water pump.
10. Remove and discard the water pump gaskets.

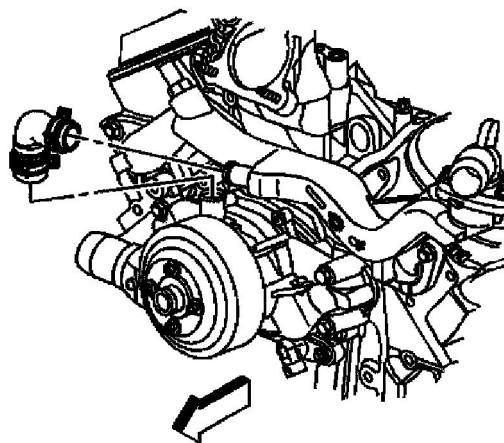
Installation Procedure



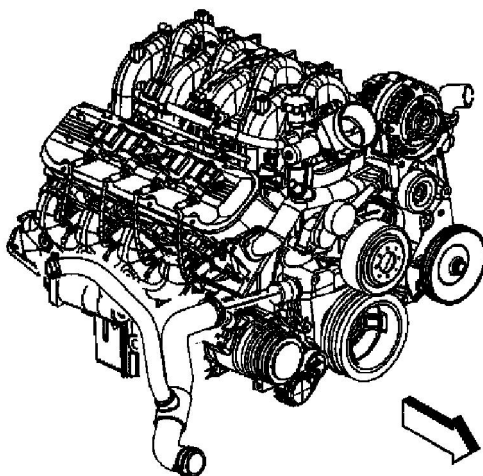
1. Place NEW water pump gaskets into place.
2. Install the water pump.

Notice: Refer to Fastener Notice in Service Precautions.

3. Install the water pump bolts.
Tighten the bolts to **50 Nm (37 ft. lbs.)**.



4. Install the bypass hose.
5. Position the bypass hose clamps at the water pump and water crossover.



6. Install the outlet hose to the water pump.
7. Position the outlet hose clamp at the water pump.
8. Install the fan clutch.
9. Install the drive belt.
10. Fill the cooling system.