

Select Vehicle | New TSBs | Technician's Reference

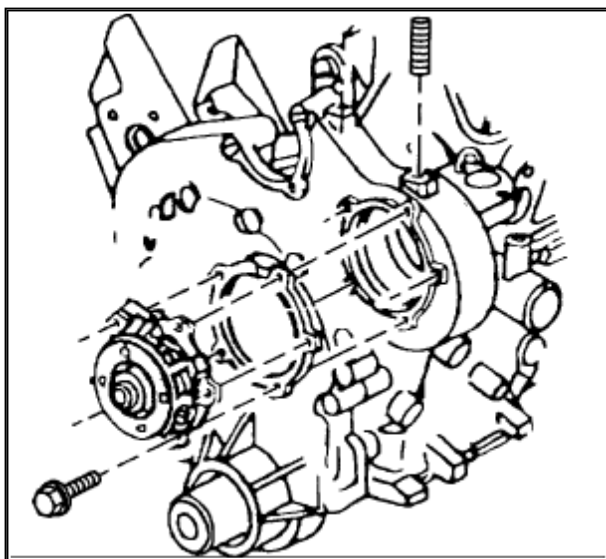
Component Search:

OK

Conversion Calculator

1999 Pontiac Grand AM V6-3.4L VIN E[Vehicle Level](#) → [Engine, Cooling and Exhaust](#) → [Cooling System](#) → [Water Pump](#) → [Service and Repair](#) ←**Service and Repair****Removal Procedure****Caution:** Refer to Battery Disconnect Caution in Service Precautions.**Notice:** Refer to Use GM Goodwrench DEX-COOL Coolant in Service Precautions.

1. Disconnect the negative battery cable.
2. Drain the [cooling system](#). Recover the coolant. Refer to Service and Repair.
3. Remove the [drive belt](#).
4. Remove the water pump pulley bolts.
5. Remove the water pump pulley.



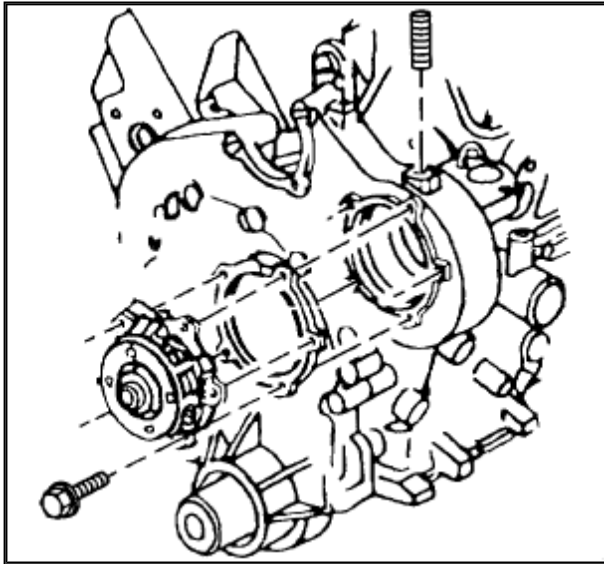
Zoom

Sized for Print

6. Remove the coolant pump attaching bolts.
7. Remove the coolant pump.
8. Clean the coolant pump and the sealing surfaces.

Installation Procedure

Notice: Refer to Fastener Notice in Service Precautions.



Zoom

Sized for Print

1. Install the water pump and new gasket.
 - Tighten the bolts to **10 Nm (89 inch lbs.)** .
2. Install the water pump pulley and the bolts.
3. Install the [drive belt](#).
4. Tighten the water pump pulley bolts.
 - Tighten the bolts to **25 Nm (18 ft. lbs.)** .
5. Connect the negative battery cable.
 - Tighten the bolts to **16 Nm (12 ft. lbs.)** .
6. Refill the [cooling system](#). Refer to Service and Repair.
7. Inspect the [cooling system](#) for leaks.

© 2010 ALLDATA LLC. All rights reserved.

[Terms of Use](#)