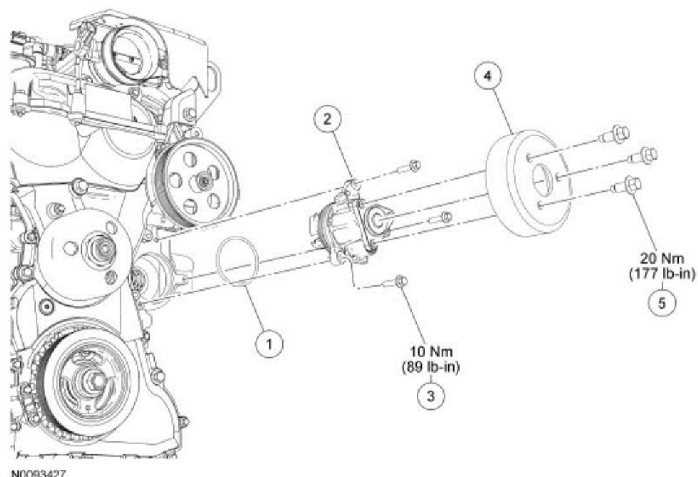


## Water Pump: Service and Repair

### Coolant Pump - 2.3L

#### Material

Item	Specification
Motorcraft Premium Gold Engine Coolant with Bittering Agent (bittered in US only) VC-7-B (US); CVC-7-A (Canada); or equivalent (yellow color)	WSS-M97B51-A1



Item	Part Number	Description
1	8507	Coolant pump O-ring seal
2	8501	Coolant pump
3	W500015	Coolant pump bolt (3 required)
4	8509	Coolant pump pulley
5	W500221	Coolant pump pulley bolt (3 required)

### Removal and Installation

1. Remove the Air Cleaner (ACL) outlet pipe. For additional information, refer to Fuel Delivery and Air Induction.
2. Drain the cooling system. For additional information, refer to Cooling System Draining, Filling and Bleeding - 2.3L See: Cooling System/Service and Repair/Cooling System Draining, Filling and Bleeding.
3. Remove the drive belt. For additional information, refer to Drive Belts, Mounts, Brackets and Accessories.
4. Remove the 3 bolts and the coolant pump pulley.
  - To install, tighten to 20 Nm (177 lb-in).
5. Remove the 3 bolts and the coolant pump.
  - To install, tighten to 10 Nm (89 lb-in).
6. **NOTE:** Lubricate the coolant pump O-ring seal with clean coolant.

To install, reverse the removal procedure.