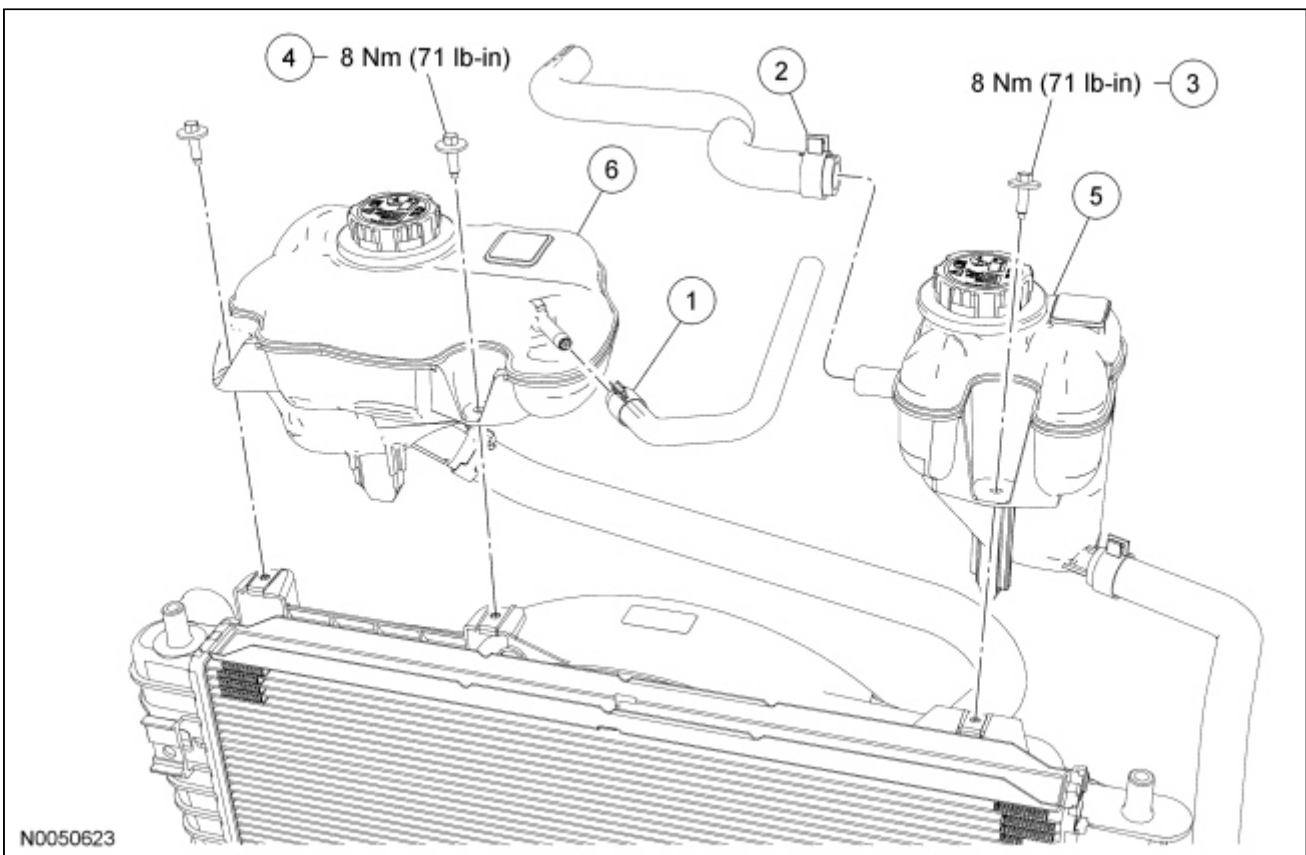


## Coolant Pump — 5.4L (4V)

### Material

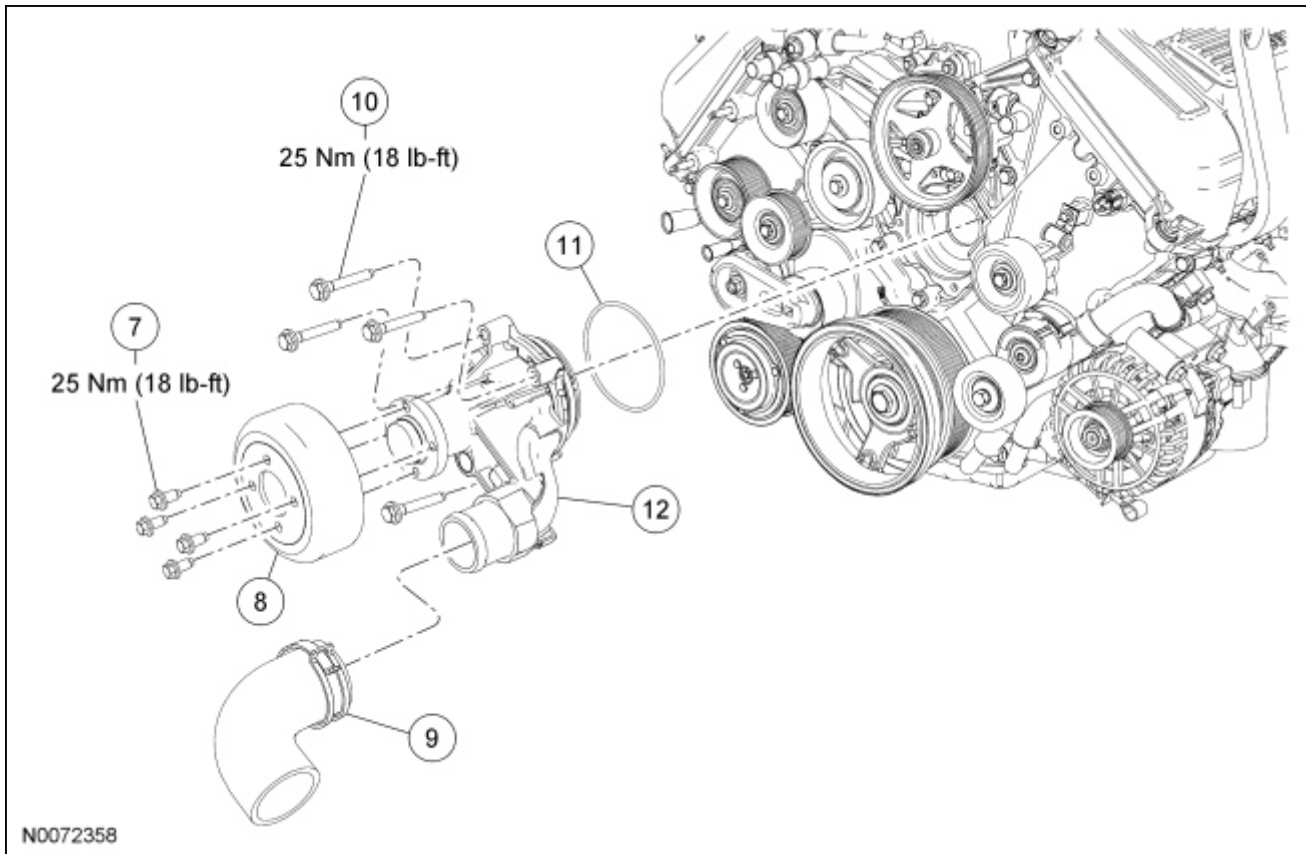
Item	Specification
Motorcraft® Premium Gold Engine Coolant with Bittering Agent (bittered in US only) VC-7-B (US); CVC-7-A (Canada); or equivalent (yellow color)	WSS-M97B51-A1

### Degas Bottles



Item	Part Number	Description
1	8276	Upper degas bottle hose
2	8D031	Upper Supercharger (SC) degas bottle hose
3	W503924	<u>SC</u> degas bottle bolt
4	W503924	Degas bottle bolt (2 required)
5	8D028	<u>SC</u> degas bottle
6	8A080	Degas bottle

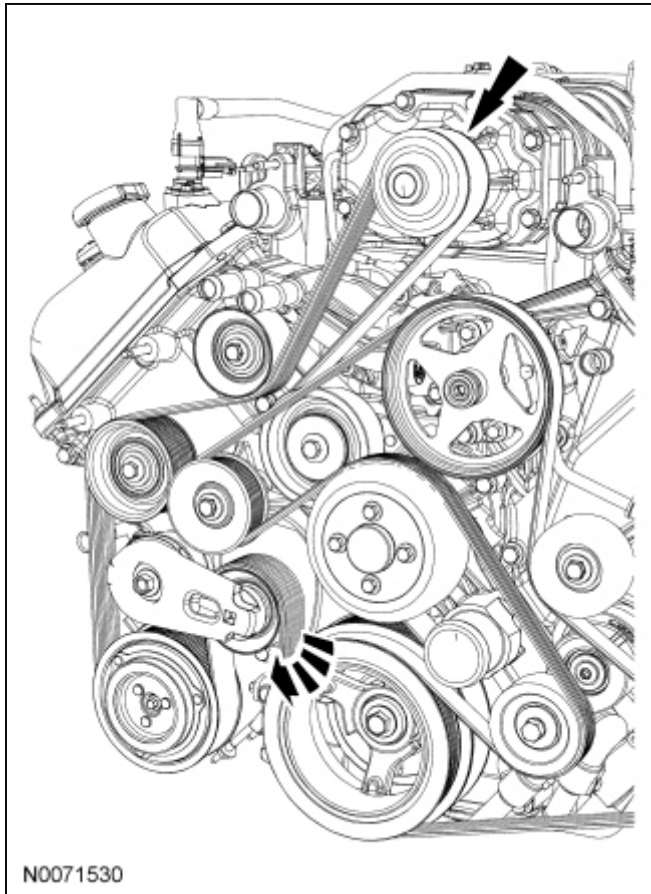
### Coolant Pump and Pulley



Item	Part Number	Description
7	N806282	Coolant pump pulley bolt (4 required)
8	8A528	Coolant pump pulley
9	8B550	Coolant pump-to-lower radiator hose assembly
10	N806177	Coolant pump bolt (4 required)
11	—	Coolant pump O-ring seal
12	8501	Coolant pump

### Removal and Installation

1. Drain the cooling system. For additional information, refer to [Cooling System Draining, Filling and Bleeding](#) in this section.
2. Drain the Supercharger (SC) cooling system. For additional information, refer to [Section 303-03B](#).
3. Disconnect the upper degas bottle hose, remove the 2 bolts and position aside the degas bottle.
  - To install, tighten to 8 Nm (71 lb-in).
4. Disconnect the upper **SC** degas bottle hose, remove the bolt and position aside the **SC** degas bottle.
  - To install, tighten to 8 Nm (71 lb-in).
5. Loosen the 4 coolant pump pulley bolts.
  - To install, tighten to 25 Nm (18 lb-ft).
6. Remove the accessory drive belt. For additional information, refer to [Section 303-05](#).
7. Rotate the **SC** belt tensioner clockwise and remove the **SC** belt off the **SC**.



8. Remove the 4 coolant pump pulley bolts and the coolant pump pulley.
  9. Disconnect the coolant pump-to-lower radiator hose assembly.
  10. Remove the 4 bolts and the coolant pump.
    - Discard the coolant pump O-ring seal.
    - To install, tighten to 25 Nm (18 lb-ft).
  11. To install, reverse the removal procedure.
    - Install a new coolant pump O-ring seal and lubricate with clean engine coolant.
  12. Fill and bleed the cooling system. For additional information, refer to [Cooling System Draining, Filling and Bleeding](#) in this section.
  13. Fill and bleed the [SC](#) cooling system. For additional information, refer to [Section 303-03B](#).
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