

Coolant Pump

Removal

NOTE: Removal steps in this procedure may contain installation details.

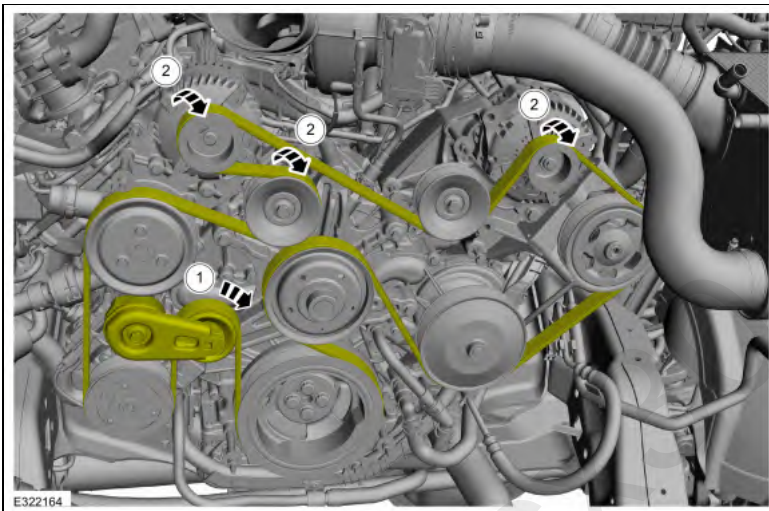
NOTE: The coolant pump, pulley and housing are replaced as assembly.

All vehicles

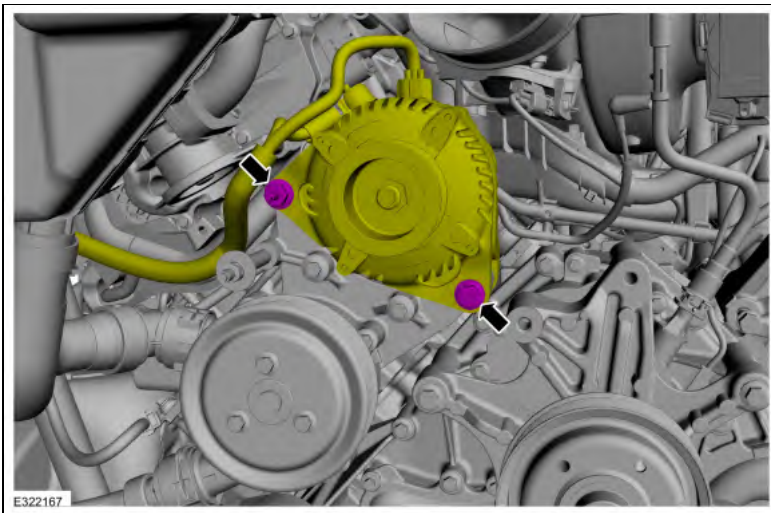
1. Drain the powertrain secondary cooling system.
Refer to: Engine Cooling System Draining, Vacuum Filling and Bleeding (303-03C Powertrain Secondary Cooling - 6.7L Power Stroke Diesel, General Procedures).
2. Remove the cooling fan stator.
Refer to: Cooling Fan Stator (303-03B Engine Cooling - 6.7L Power Stroke Diesel, Removal and Installation).

Vehicle With Dual Generators

3. Disconnect the battery ground.
Refer to: Battery Disconnect and Connect (414-01 Battery, Mounting and Cables, General Procedures).
4. Rotate the accessory drive belt tensioner clockwise and detach the accessory drive belt from the generator and the coolant pump pulleys.

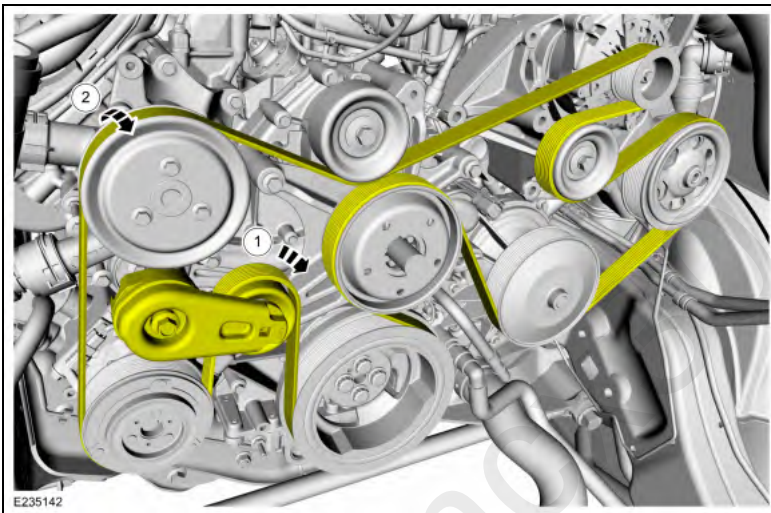


5. Remove the bolt and the accessory drive belt idler pulley.
Torque: 35 lb.ft (47 Nm)



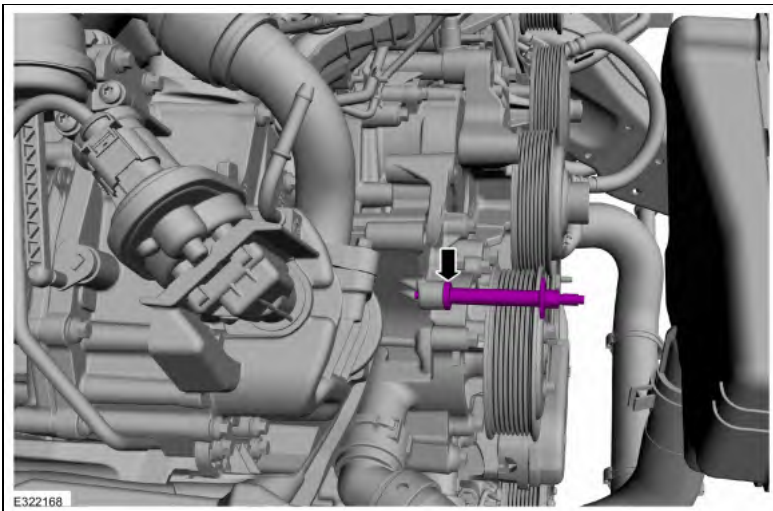
Vehicles With Single Generator

8. Rotate the accessory drive belt tensioner clockwise and detach the accessory drive belt from the secondary coolant pump pulley.

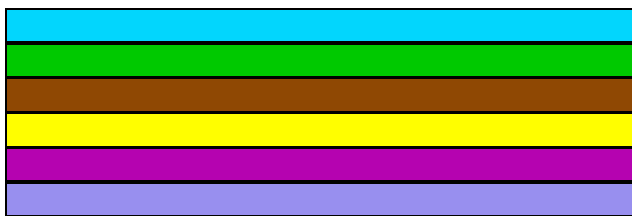
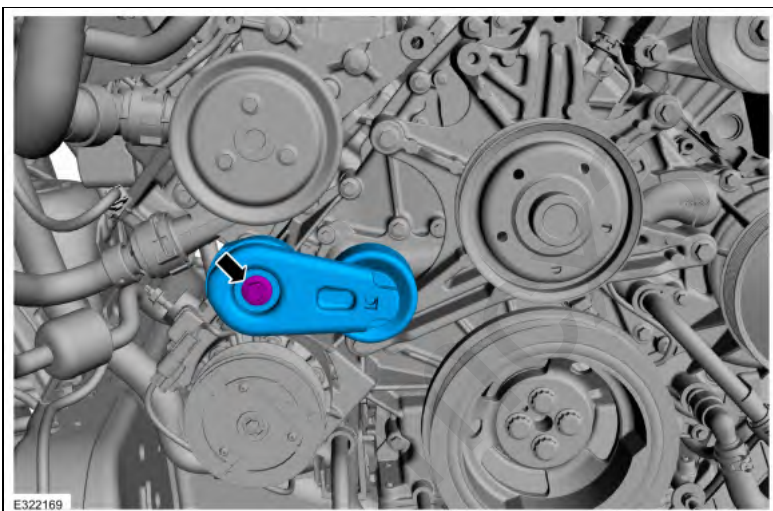


All vehicles

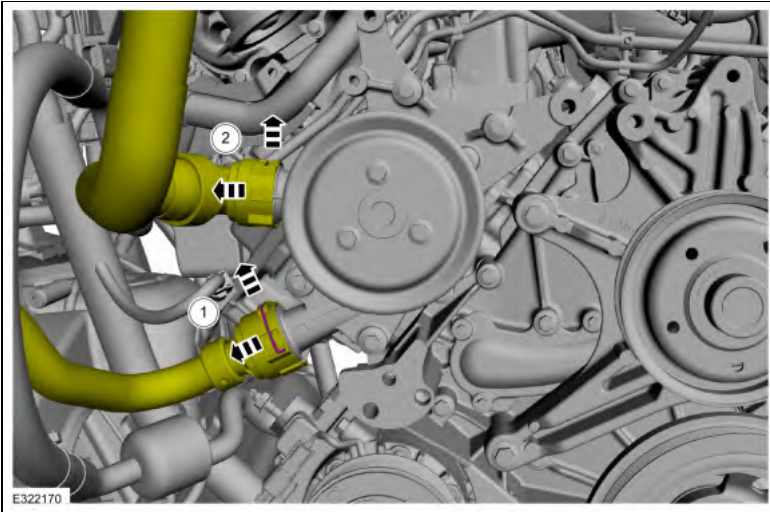
9. Remove the cooling fan stator standoff.
Torque: 18 lb.ft (25 Nm)



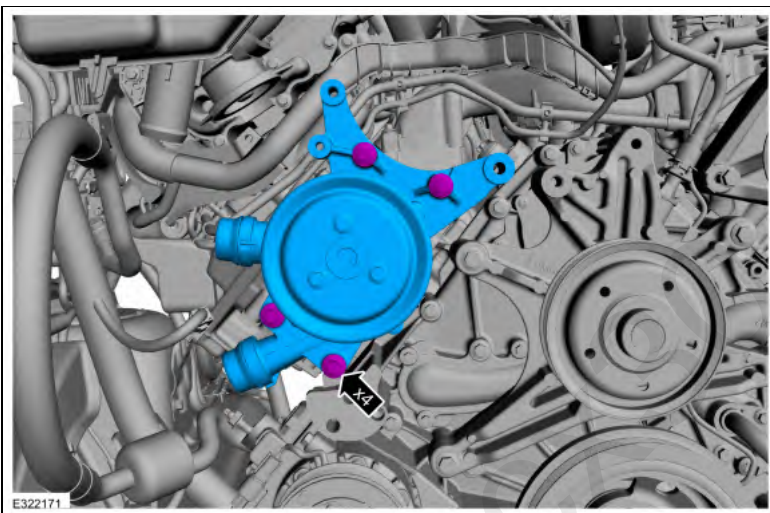
10. Remove the bolt and the accessory drive belt tensioner.
Torque: 35 lb.ft (48 Nm)



- 11.
1. Pull the degas bottle to coolant pump hose spring clip up until the end of clip is in the detent on the quick connect coupling. Disconnect the radiator to coolant pump hose from the secondary coolant pump.
 2. Pull the coolant pump to radiator hose spring clip up until the end of clip is in the detent on the quick connect coupling. Disconnect the coolant pump to degas bottle hose from the secondary coolant pump.



12. Remove the bolts and the secondary coolant pump, the pulley and the housing.
Torque: 18 lb.ft (25 Nm)



Installation

1. To install, reverse the removal procedure.

NOTICE: Evaluate the cooling system condition before filling the cooling system. Failure to follow these instructions can damage the cooling system.

2. Evaluate the cooling system.
Refer to: Engine Cooling System Condition Evaluation (303-03C Powertrain Secondary Cooling - 6.7L Power Stroke Diesel, General Procedures).