

Degas Bottle

Special Tool(s) / General Equipment

Fluid Suction Gun
Hose Clamp Remover/Installer
Locking Pliers

Materials

Name	Specification
Motorcraft® Yellow Prediluted Antifreeze/Coolant VC-13DL-G	WSS-M97B57-A2

Removal

⚠️**WARNING:** Always allow the engine to cool before opening the cooling system. Do not unscrew the coolant pressure relief cap when the engine is operating or the cooling system is hot. The cooling system is under pressure; steam and hot liquid can come out forcefully when the cap is loosened slightly. Failure to follow these instructions may result in serious personal injury.

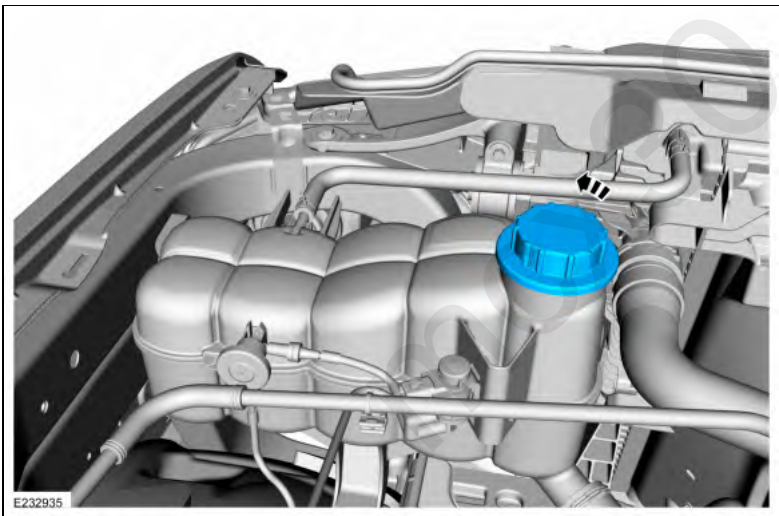
NOTE: Removal steps in this procedure may contain installation details.

Vehicles with Secondary Battery

1. Remove the battery tray.
Refer to: Battery Tray (414-01 Battery, Mounting and Cables, Removal and Installation).

Vehicles without Secondary Battery

2. Release the cooling system pressure by slowly turning the degas bottle cap between 2 and 3 turns and remove the degas bottle cap.

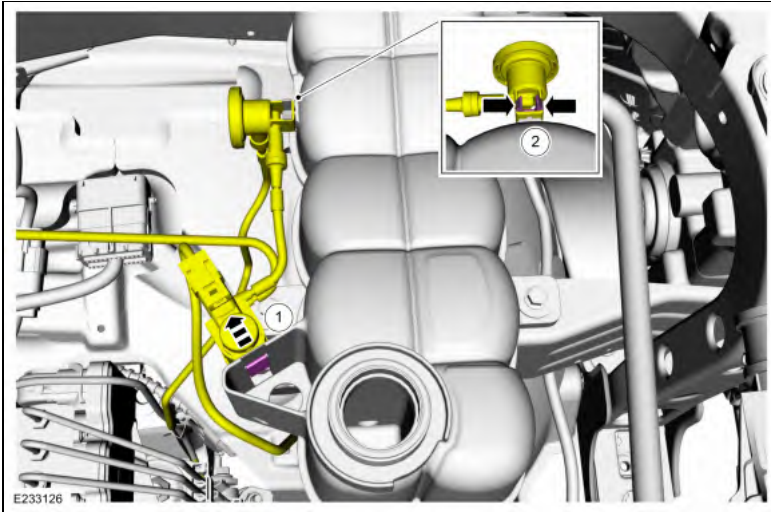


4X4 Vehicles

3.

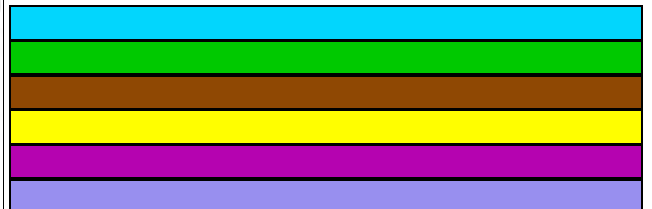
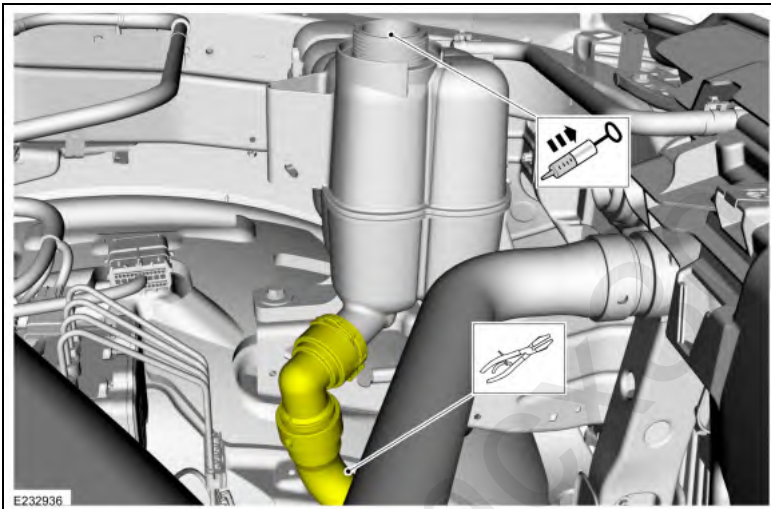
1. Release the tab and position the vacuum solenoid valve aside.

2. Release the tabs and position the vacuum regulator aside.

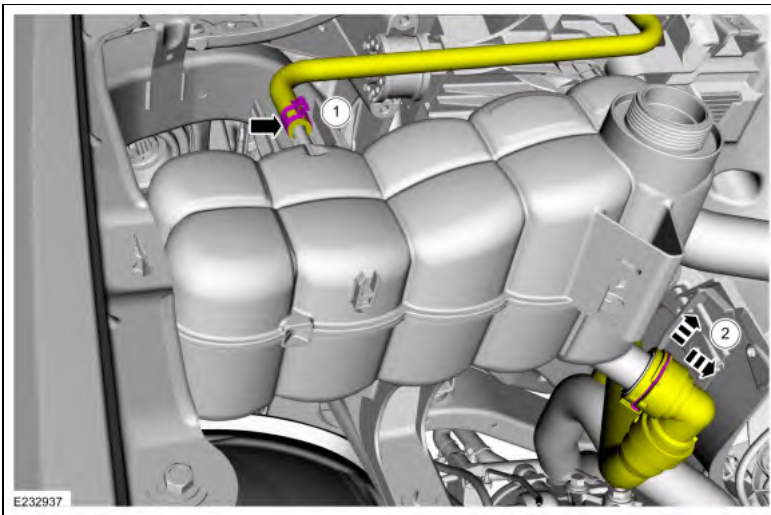


All Vehicles

4. Using hose locking pliers, clamp the lower degas bottle hose and syphon the coolant from the degas bottle.
Use the General Equipment: Locking Pliers
Use the General Equipment: Fluid Suction Gun

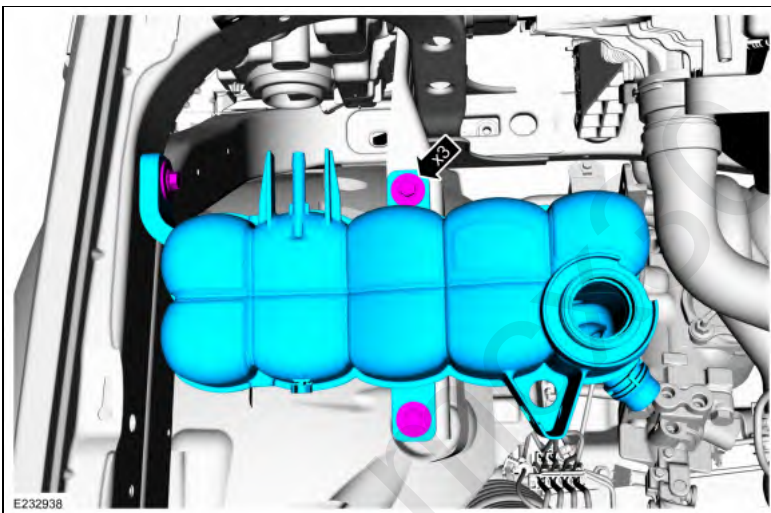


5.
 1. Release the clamp and disconnect the coolant hose.
Use the General Equipment: Hose Clamp Remover/Installer
 2. Pull the lower coolant hose spring clip until the end of the clip is in the detent on the quick connect coupling and disconnect the lower coolant hose.



A horizontal bar chart with six bars of equal length, stacked vertically. The bars are colored cyan, green, brown, yellow, purple, and light blue from top to bottom.

6. Remove the bolts and the degas bottle.
Torque: 26 lb.ft (35 Nm)



Category	Value
1	100
2	100
3	100
4	100
5	100
6	100

Installation

1. To install, reverse the removal procedure.
2. Fill the degas bottle with the recommended coolant mixture and fill level.

Material: Motorcraft® Yellow Prediluted Antifreeze/Coolant / VC-13DL-G (WSS-M97B57-A2)