

Battery Tray

Special Tool(s) / General Equipment

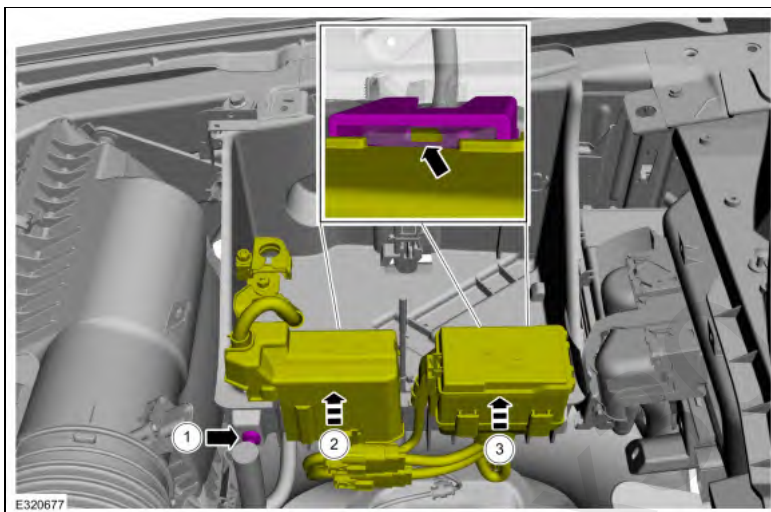
Fluid Suction Gun
Hose Clamp(s)

Removal

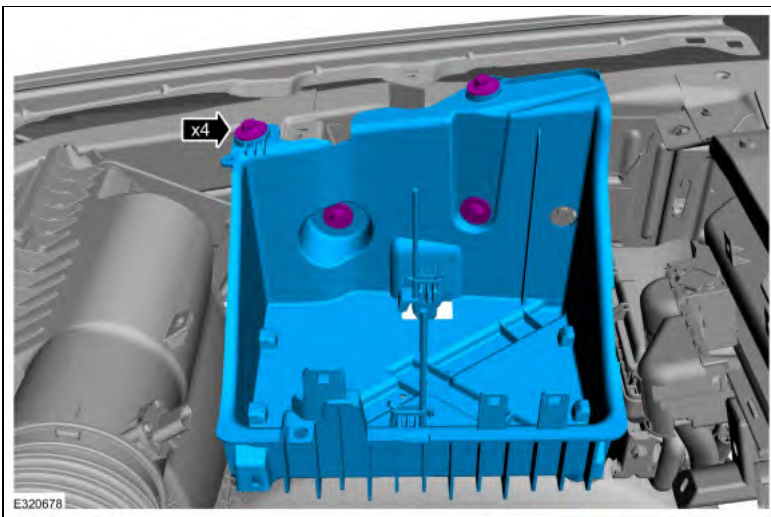
Battery Tray - Primary

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

1. Remove the primary battery.
Refer to: Battery (414-01 Battery, Mounting and Cables, Removal and Installation).
2.
 1. Disconnect the wire harness retainer from the battery tray.
 2. Release the retainer and position the BJB aside.
 3. If equipped, release the retainers and position the upfitter BJB aside.



3. Remove the bolts and the battery tray.
Torque: 18 lb.ft (25 Nm)

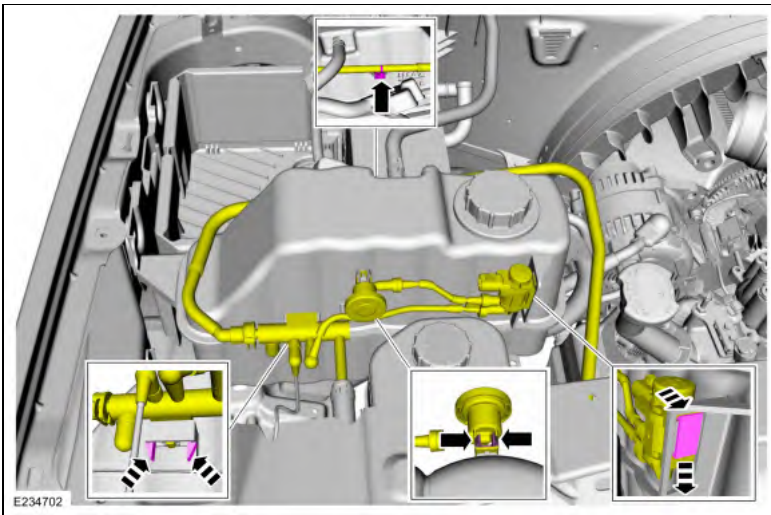


Battery Tray - Secondary

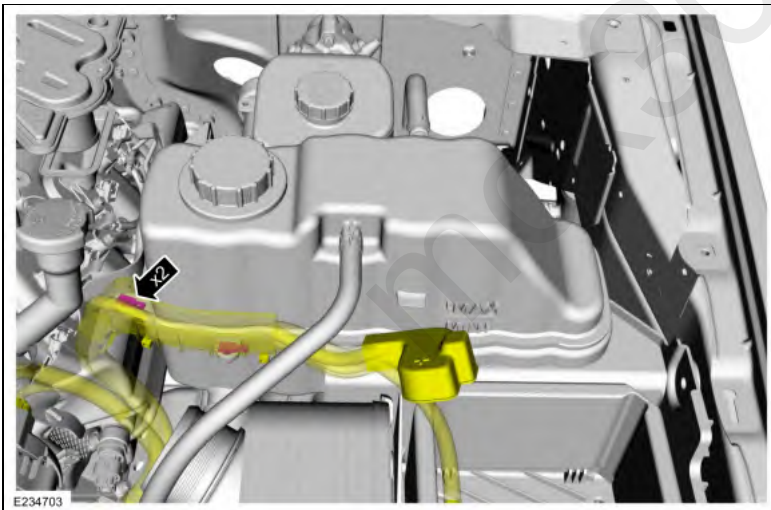
NOTE: Removal steps in this procedure may contain installation details.

NOTE: 6.7L diesel vehicle show, other vehicles similar.

4. Remove the secondary battery.
Refer to: Battery (414-01 Battery, Mounting and Cables, Removal and Installation).
5. For 4WD vehicles, detach the vacuum lines from the degas bottle.

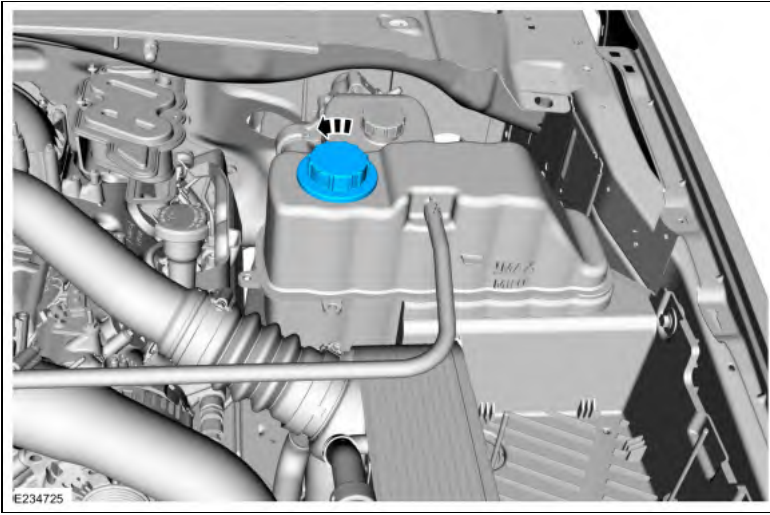


6. Detach the retainers from degas bottle and position the battery cable aside.



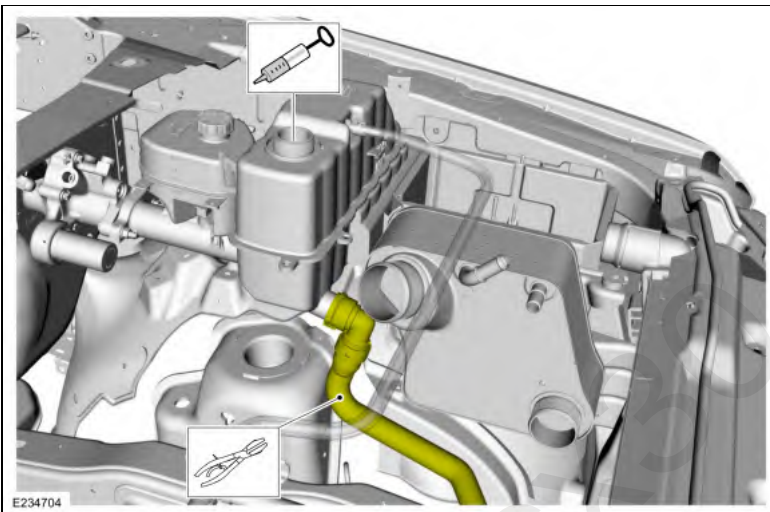
7. **WARNING:** Always allow the engine to cool before opening the cooling system. Do not unscrew the coolant pressure relief cap when the engine is operating or the cooling system is hot. The cooling system is under pressure; steam and hot liquid can come out forcefully when the cap is loosened slightly.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

Remove the degas bottle filler cap.

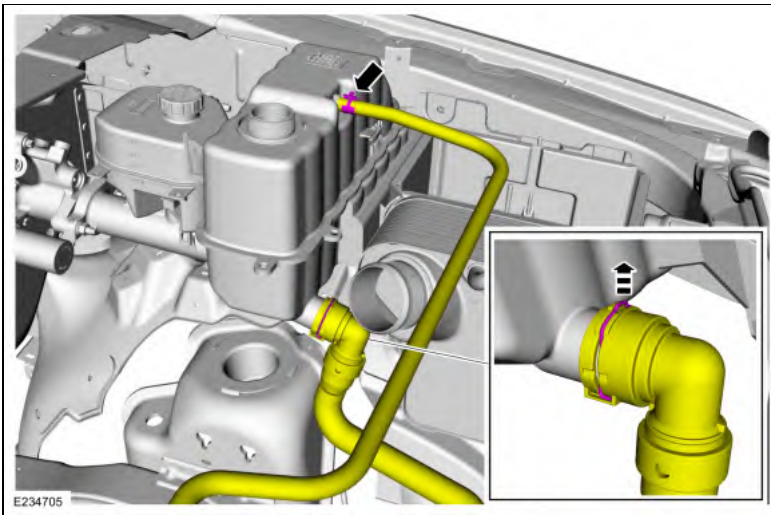


8. **NOTE:** Charge air cooler pipes not shown for clarity.

Clamp the lower degas bottle hose and syphon the coolant from the degas bottle.
 Use the General Equipment: Hose Clamp(s)
 Use the General Equipment: Fluid Suction Gun

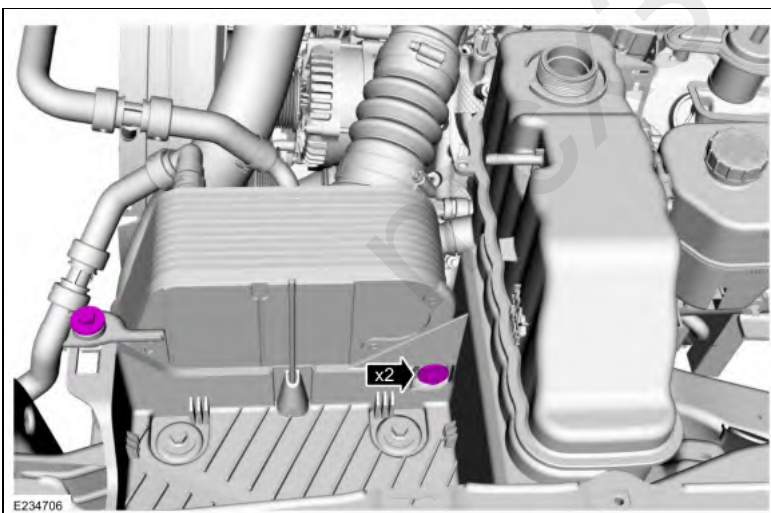


9. Remove the retaining clip from the lower hose, release the upper hose clamp and detach the coolant hoses from the degas bottle.



10. For 6.7 diesel vehicles, remove the CAC bolts.

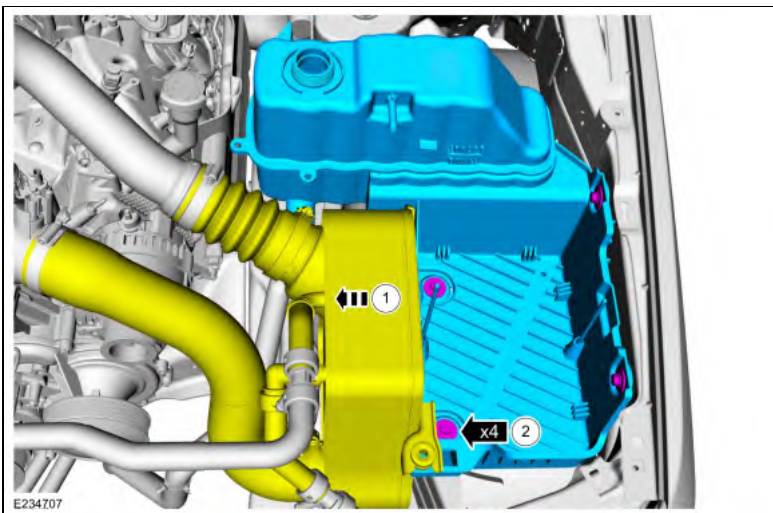
Torque: 106 lb.in (12 Nm)



11. **NOTE:** For 6.7 diesel vehicles, position the charge air cooler before removing the battery tray.

Remove the bolts and the battery tray.

Torque: 26 lb.ft (35 Nm)



Installation

1. To install, reverse the removal procedure.
2. **NOTICE: If equipped with a 6.7L diesel, the cooling system condition must be evaluated before filling the cooling system. Failure to follow these instructions can damage the engine or cooling system.**

Evaluate the cooling system condition.

Refer to: Engine Cooling System Condition Evaluation (303-03B Engine Cooling - 6.7L Power Stroke Diesel, General Procedures).

3. For secondary battery tray, fill the degas bottle with the recommended coolant mixture and fill level.
Refer to: Specifications (303-03A Engine Cooling - 6.2L V8, Specifications).
Refer to: Specifications (303-03B Engine Cooling - 6.7L Power Stroke Diesel, Specifications).
Refer to: Specifications (303-03D Engine Cooling - 7.3L 2V DEVCT V8 (239kW/320PS) (J0), Specifications).