

Cooling Module

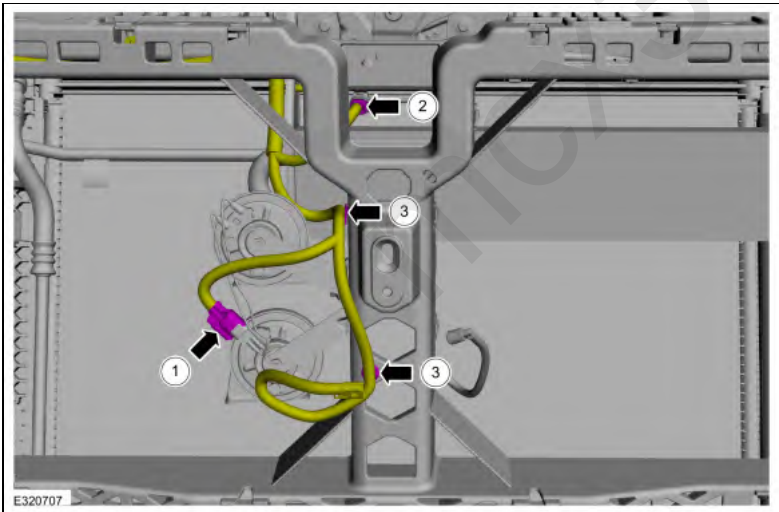
Special Tool(s) / General Equipment

	307-569
	Disconnect Tool TOC Line (1/2)
	TKIT-2006U-F/FM
	TKIT-2006U-FLM/LM
	TKIT-2006U-ROW1
	TKIT-2006U-ROW2
Hose Clamp Remover/Installer	
Fluid Container	

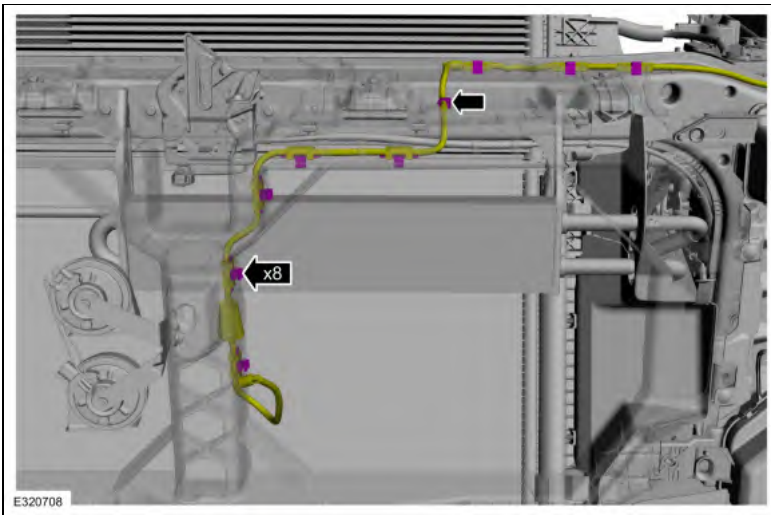
Removal

All vehicles

1. Drain the cooling system.
Refer to: Engine Cooling System Draining, Vacuum Filling and Bleeding (303-03A Engine Cooling - 6.2L V8, General Procedures).
2. Evacuate the A/C system.
Refer to: Air Conditioning (A/C) System Recovery, Evacuation and Charging (412-00 Climate Control System - General Information, General Procedures).
3. Remove the air cleaner.
Refer to: Air Cleaner (303-12A Intake Air Distribution and Filtering - 6.2L V8, Removal and Installation).
4. Remove the headlamp assemblies.
Refer to: Headlamp Assembly (417-01 Exterior Lighting, Removal and Installation).
5.
 1. All Vehicles.
Disconnect the horn electrical connector.
 2. Vehicles Equipped With Hood Ajar Switch.
Disconnect the electrical connector.
 3. Vehicles Not Equipped With Hood Ajar Switch.
Detach the wiring harness retainer.



6. Detach the pin-type retainer, release the clips and position the washer fluid hose aside.

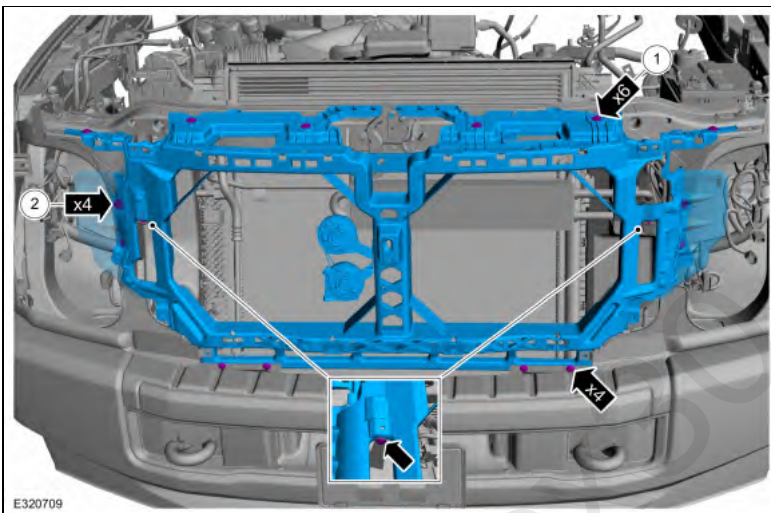


7. Remove the bolts, push-pins and the radiator grille bracket.

Torque:

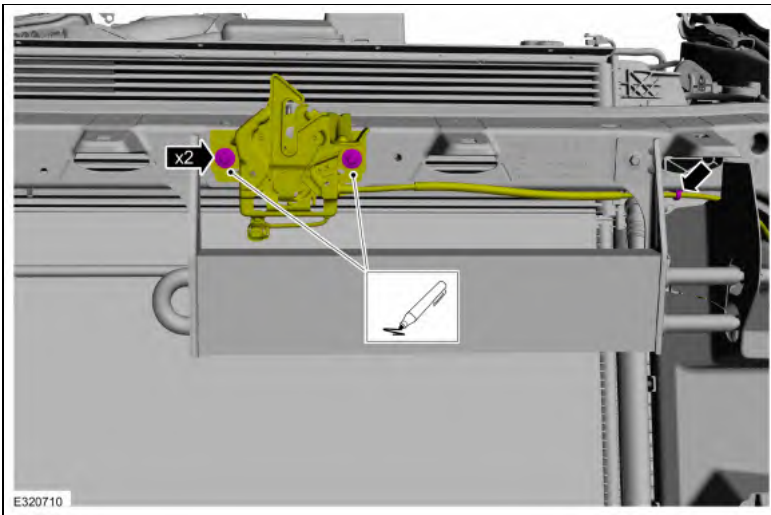
Stage 1: 62 lb.in (7 Nm)

Stage 2: 22 lb.ft (30 Nm)

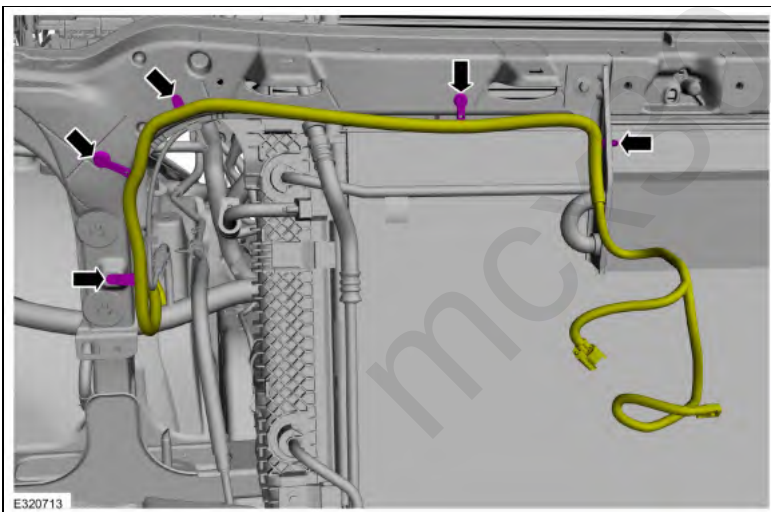


8.

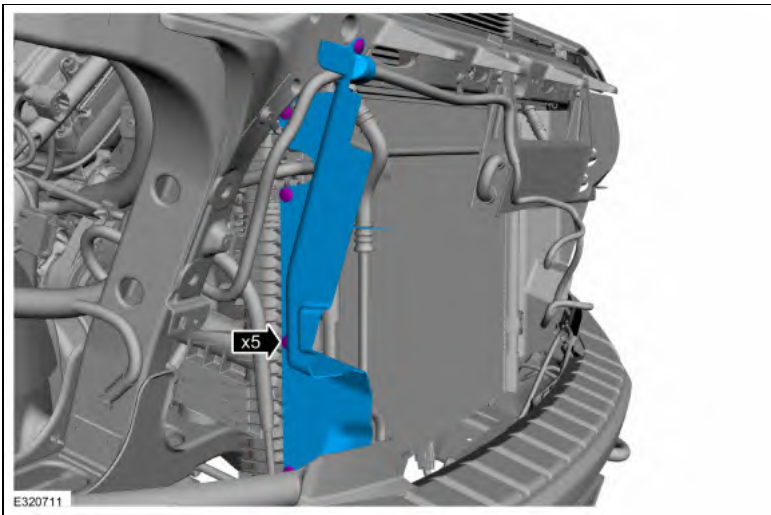
- Mark the hood latch.
 - Remove the bolts, detach the retainer and position the hood latch aside.
- Torque:* 26 lb.ft (35 Nm)



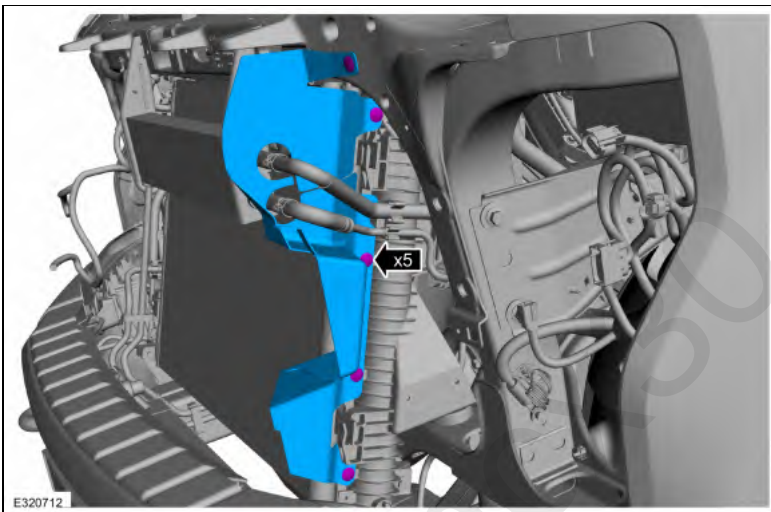
9. Detach the pin type retainers from the front end bolster and position the wiring harness aside.



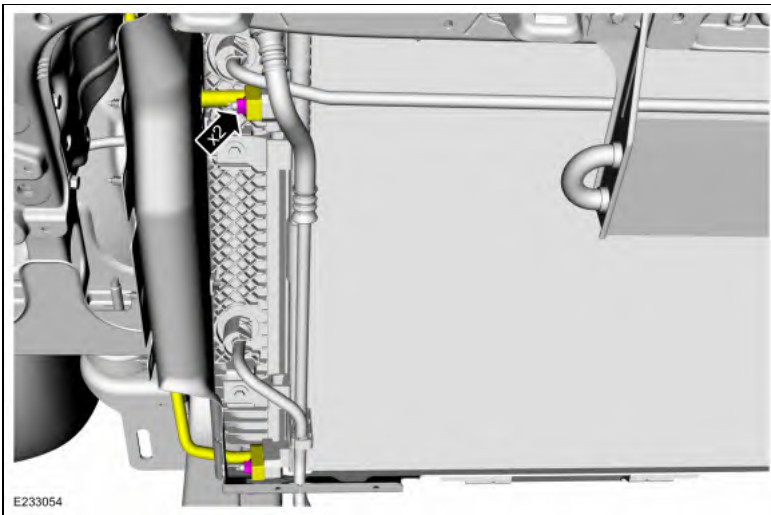
10. Remove the push-pins and the RH air deflector.



11. Remove the push-pins and the LH air deflector.

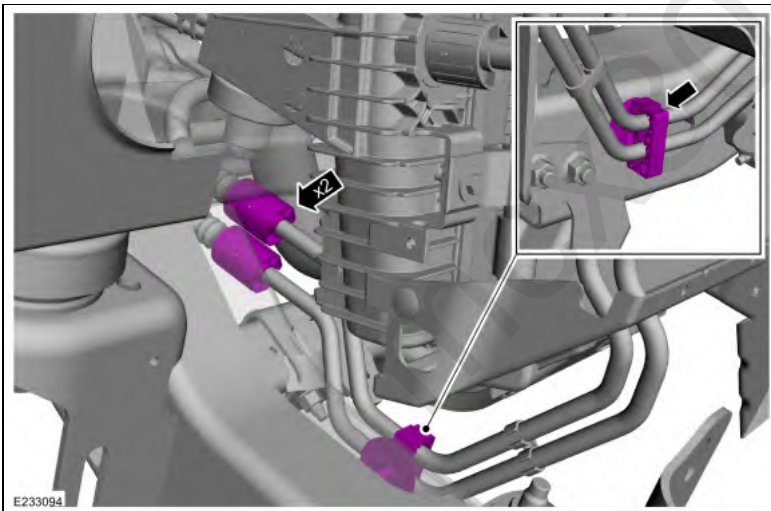


12. Remove the condenser inlet, outlet nuts and disconnect the fittings.
Torque: 133 lb.in (15 Nm)



All vehicles

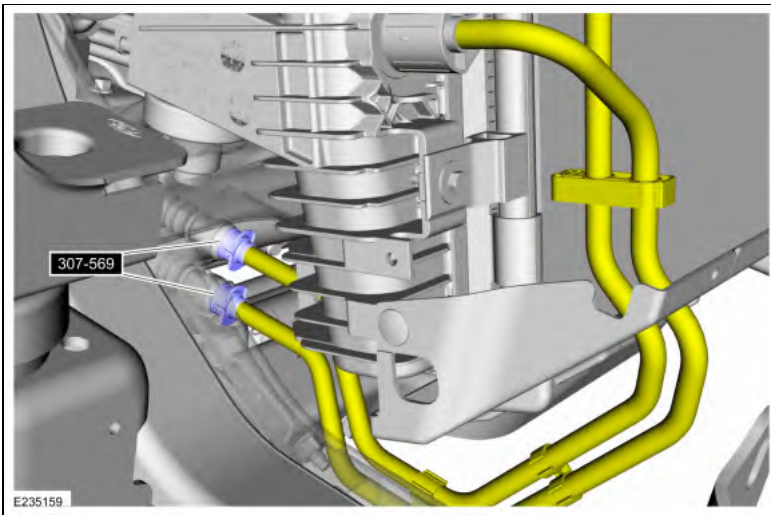
13. Remove the transmission cooler tube secondary latches and detach the clip.



14. **NOTICE:** Failure to cap the openings for the transmission cooler tubes may result in siphoning of the transmission fluid. This may result in damage to the transmission, if the transmission fluid is not checked and filled after the repair is completed.

NOTE: Install caps on the transmission cooler tubes.

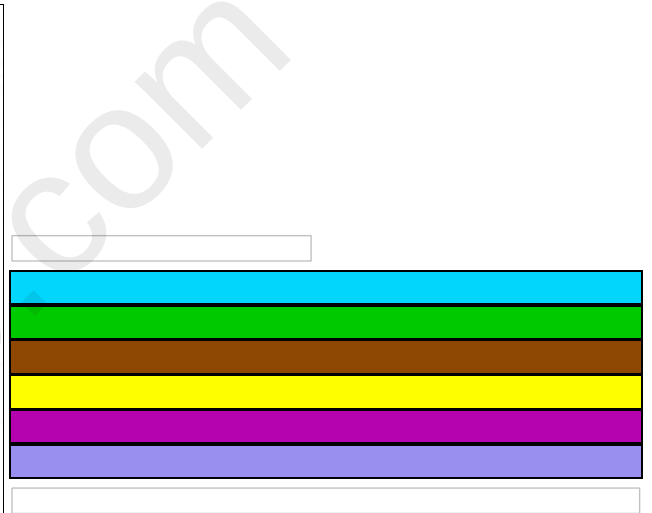
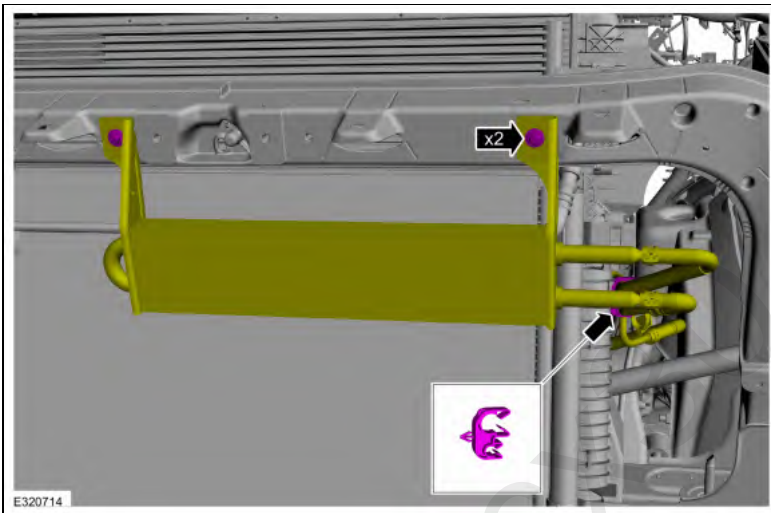
Using the special tool, disconnect the transmission fluid cooler tubes.
 Use Special Service Tool: 307-569 Disconnect Tool TOC Line (1/2).
 Use the General Equipment: Fluid Container



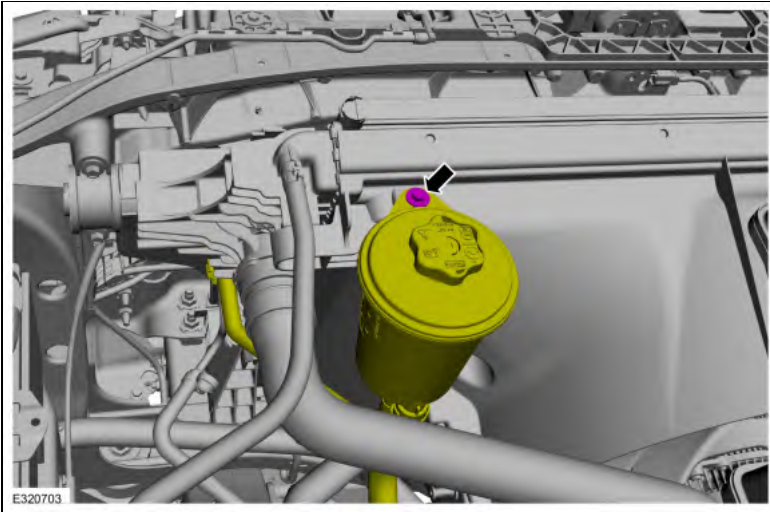
All vehicles

15.

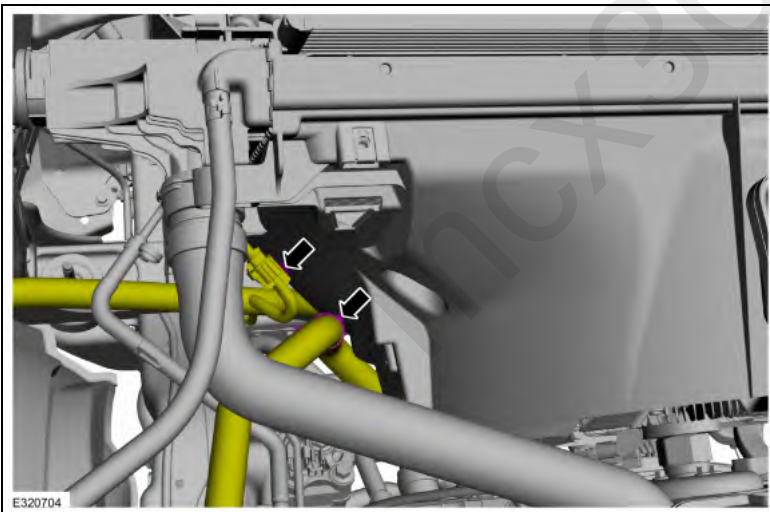
- Detach the power steering cooler hose retainer from the radiator.
 - Remove the bolts and position the power steering cooler aside.
- Torque: 97 lb.in (11 Nm)*



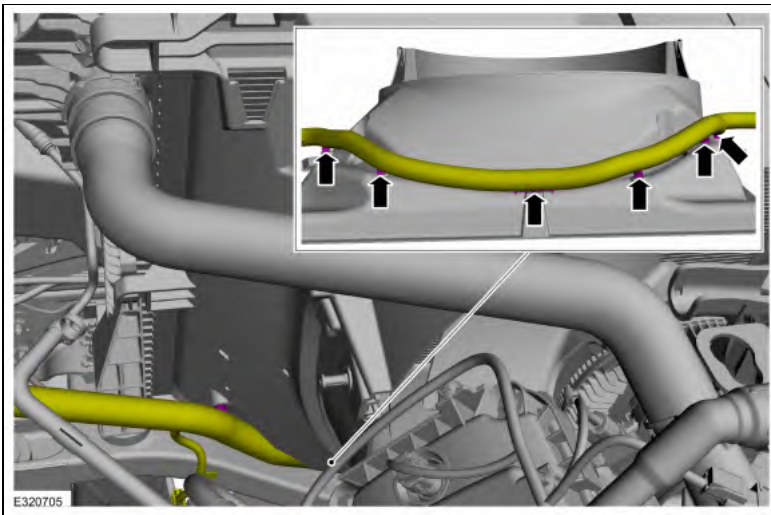
16. Remove the bolt and position the power steering fluid reservoir aside.
- Torque: 62 lb.in (7 Nm)*



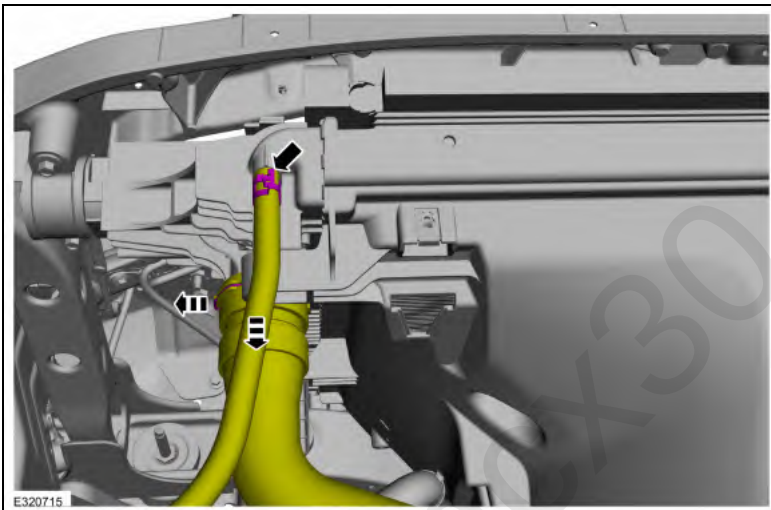
- 17.
- Detach the coolant hose retainer.
 - Detach the wiring harness retainer.



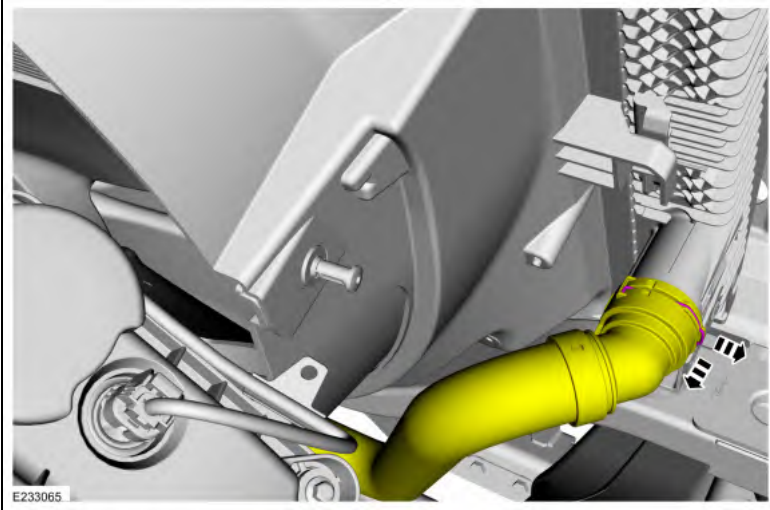
18. Detach the wiring harness retainers from the cooling fan shroud.



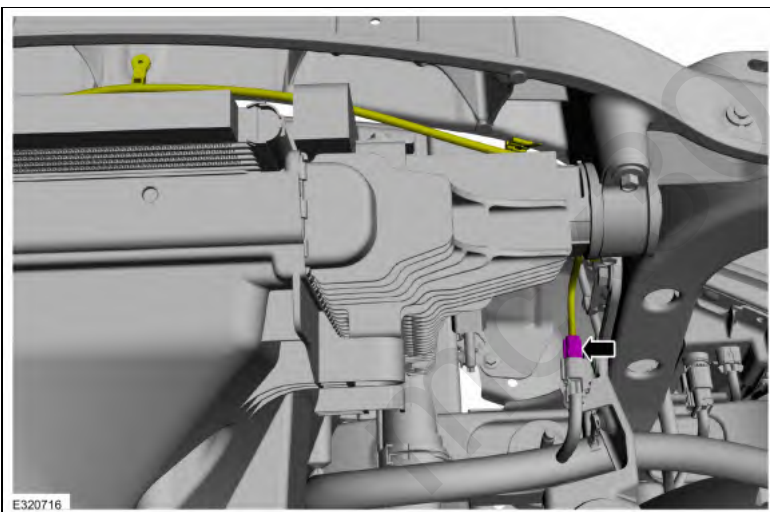
- 19.
- Release the clamp and disconnect coolant hose.
Use the General Equipment: Hose Clamp Remover/Installer
 - Pull the upper radiator hose spring clip until the end of the clip is in the detent on the quick connect coupling and disconnect the upper radiator hose.



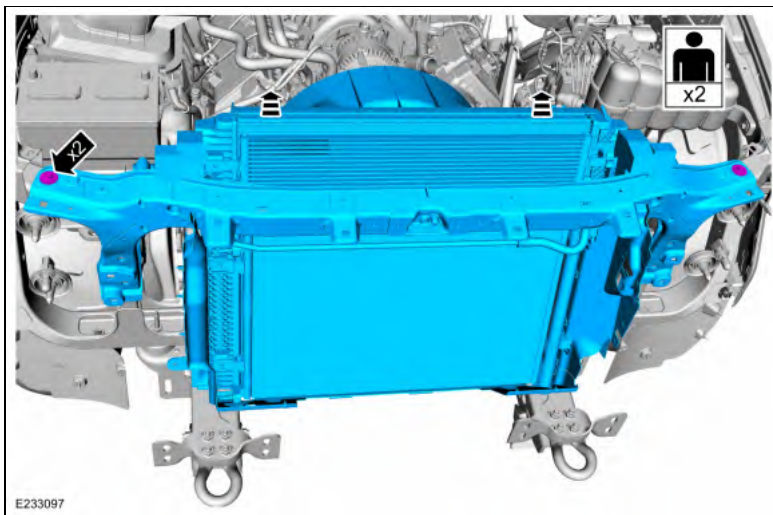
20. Pull the lower radiator hose spring clip until the end of the clip is in the detent on the quick connect coupling and disconnect the lower radiator hose.



21. Disconnect the electrical connector.



22. With the help of an assistant remove the bolts and the cooling module.
Torque: 26 lb.ft (35 Nm)



Installation

1. To install, reverse the removal procedure.
2. Install and new condenser fitting O-ring seals. Install and new condenser fitting O-ring seals.
Refer to: Specifications (412-00 Climate Control System - General Information, Specifications).
3. Fill and bleed the cooling system.
Refer to: Engine Cooling System Draining, Vacuum Filling and Bleeding (303-03A Engine Cooling - 6.2L V8, General Procedures).
4. Check and fill the transmission fluid as necessary.
Refer to: Transmission Fluid Level Check (307-01A Automatic Transmission, Transfer Case and Power Transfer Unit - 6-Speed Automatic Transmission & 6R100, General Procedures).
5. Evacuate and charge the A/C system.
Refer to: Air Conditioning (A/C) System Recovery, Evacuation and Charging (412-00 Climate Control System - General Information, General Procedures).