

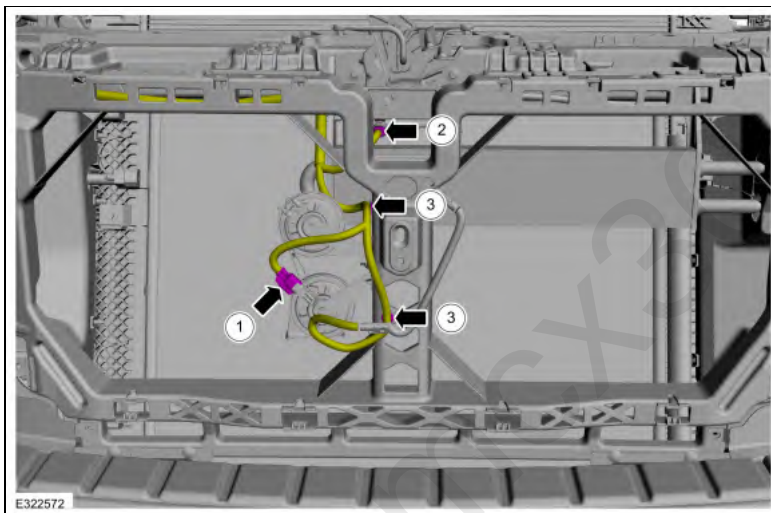
Cooling Module

Special Tool(s) / General Equipment

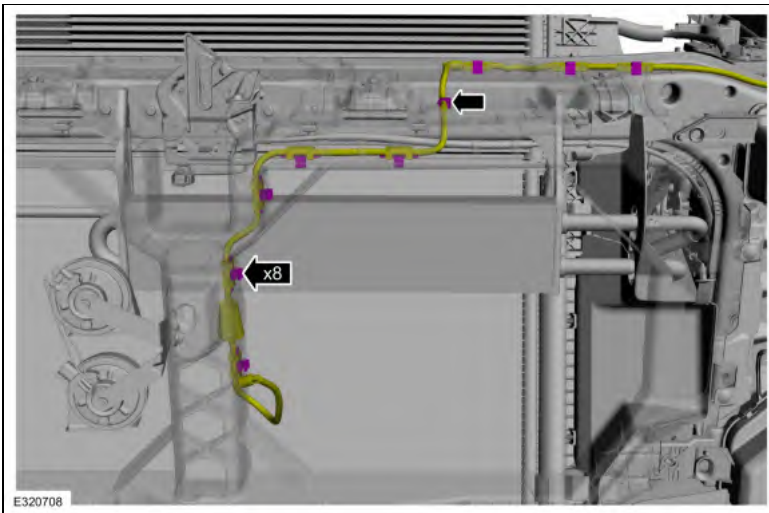
Hose Clamp Remover/Installer

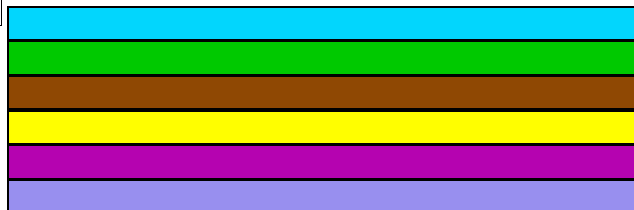
Removal

1. Drain the cooling system.
Refer to: Engine Cooling System Draining, Vacuum Filling and Bleeding (303-03D Engine Cooling - 7.3L 2V DEVCT V8 (239kW/320PS) (J0), 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 (303-12C Intake Air Distribution and Filtering - 7.3L 2V DEVCT V8 (239kW/320PS) (J0), 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.



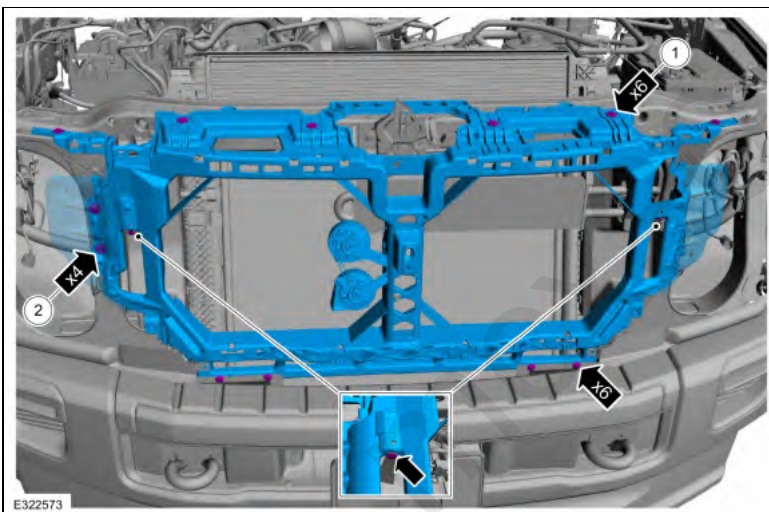


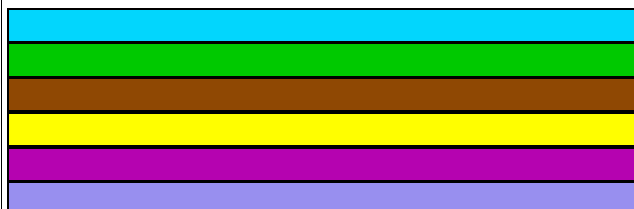
7. Remove the bolts, push-pins and the radiator grille bracket.

Torque:

Stage 1: 62 lb.in (7 Nm)

Stage 2: 22 lb.ft (30 Nm)

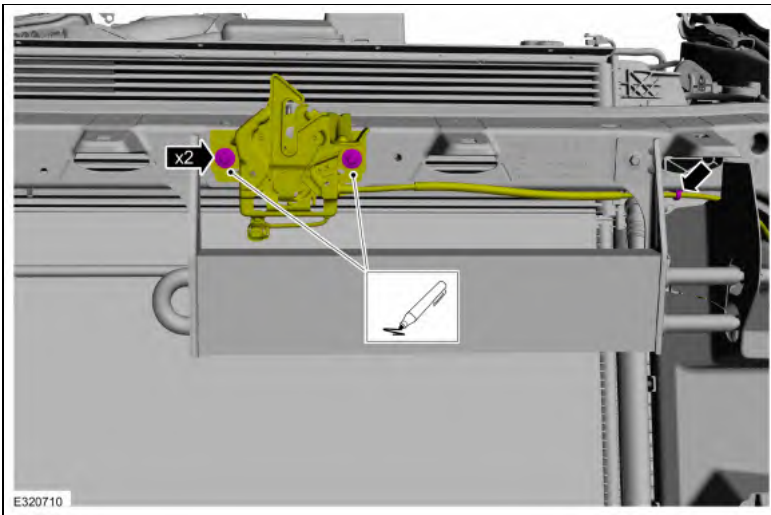




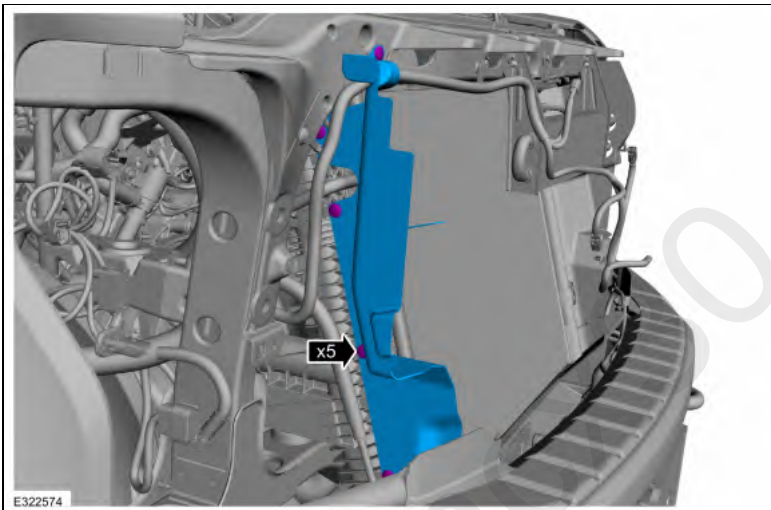
8.

- Mark the hood latch.
- Remove the bolts, detach the retainer and position the hood latch aside.

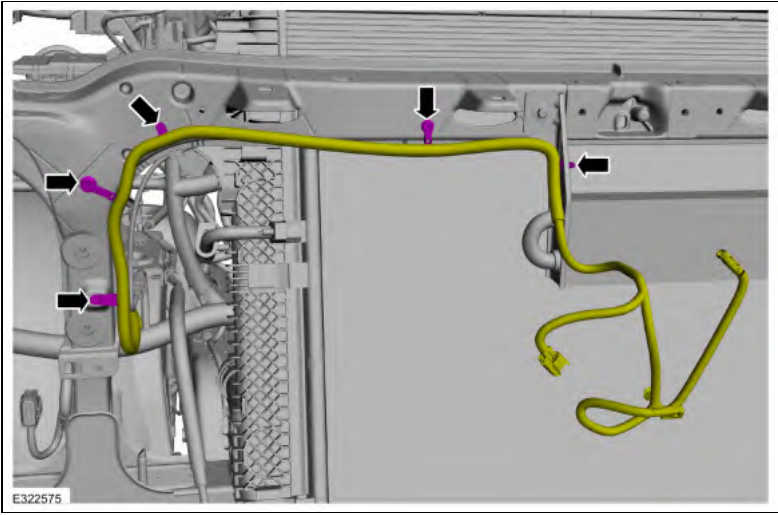
Torque: 26 lb.ft (35 Nm)



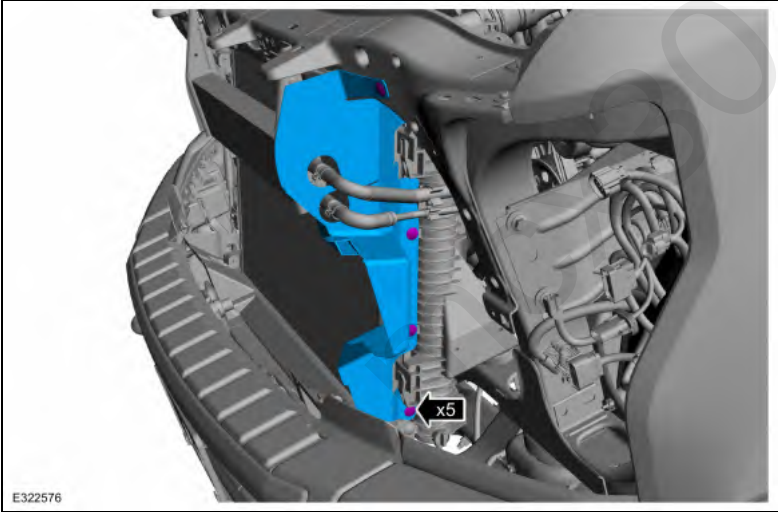
9. Remove the push-pins and the RH air deflector.



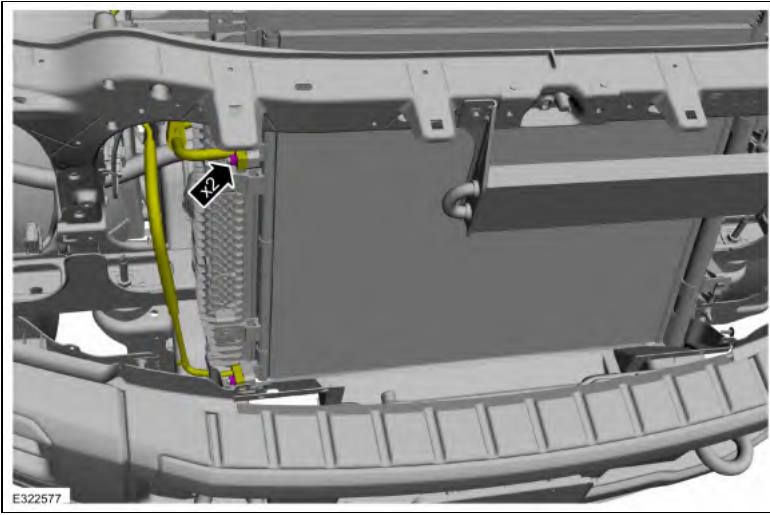
10. Detach the pin type retainers from the front end bolster and position the wiring harness aside.



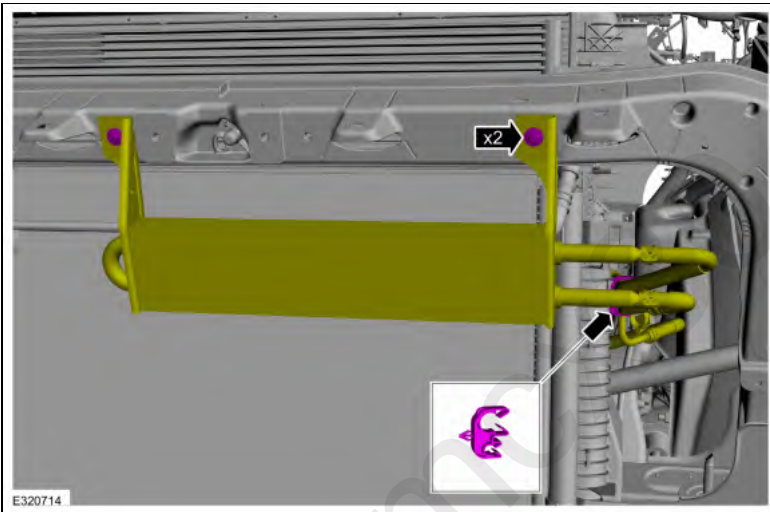
11. Remove the push-pins and the LH air deflector.



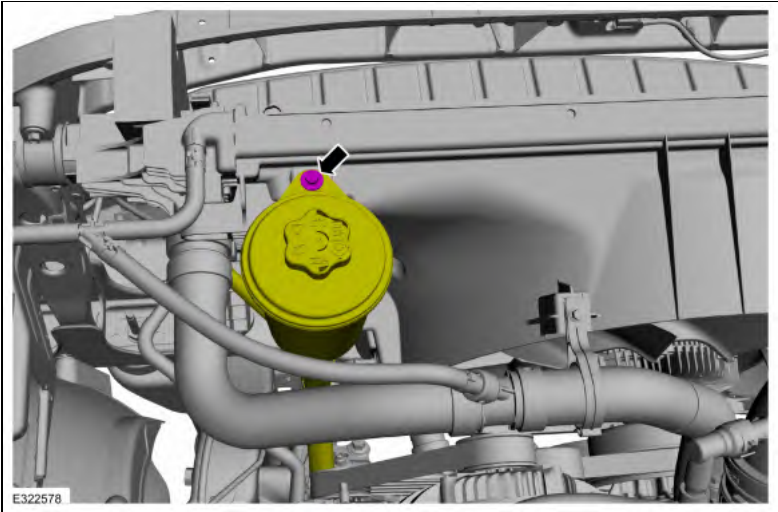
12. Remove the condenser inlet, outlet nuts and disconnect the fittings.
Torque: 133 lb.in (15 Nm)



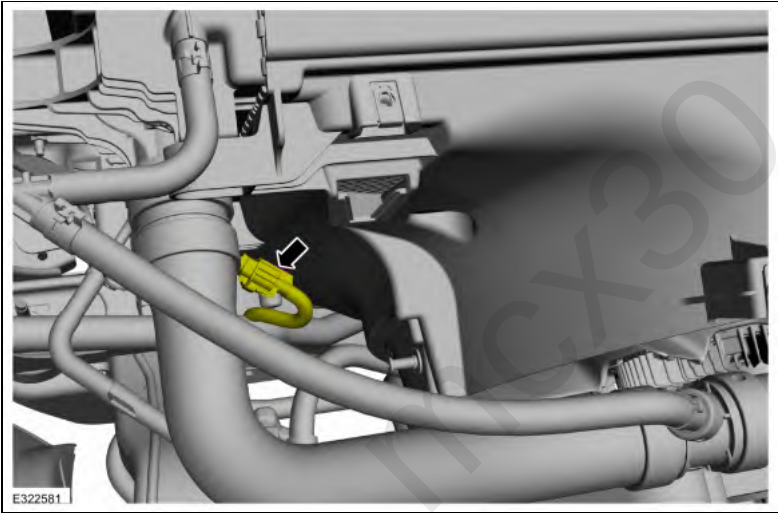
- 13.
- Detach the power steering cooler hose retainer from the radiator.
 - Remove the bolts and position the power steering cooler aside.
Torque: 97 lb.in (11 Nm)



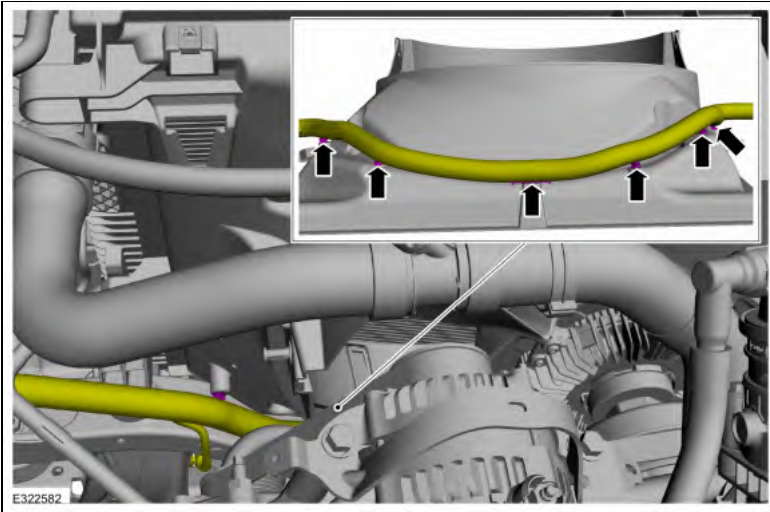
14. Remove the bolt and position the power steering fluid reservoir aside.
Torque: 62 lb.in (7 Nm)



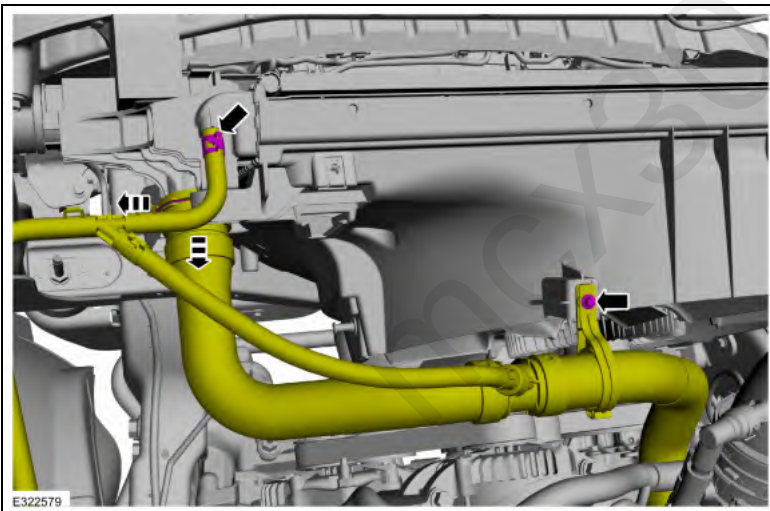
15. Detach the wiring harness retainer.



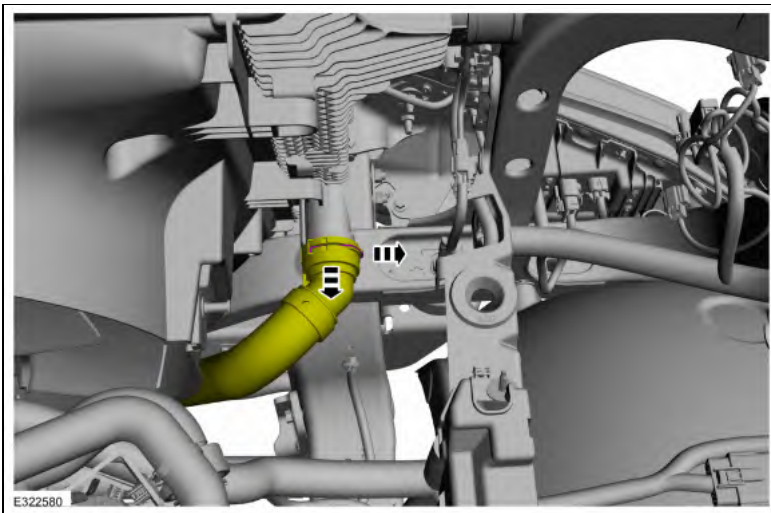
16. Detach the wiring harness retainers from the cooling fan shroud.



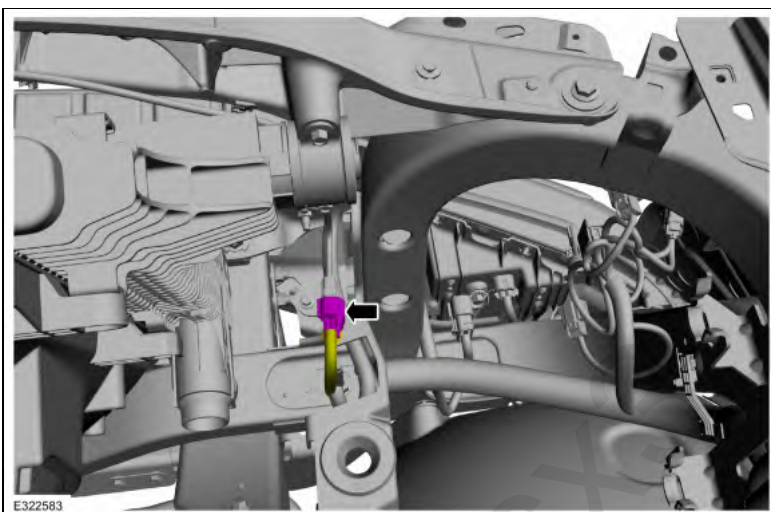
- 17.
- Release the clamp and disconnect coolant hose.
Use the General Equipment: Hose Clamp Remover/Installer
 - Pull the upper radiator hose spring clip until the end of the clip is in the detent on the quick connect coupling and disconnect the upper radiator hose.
 - Remove the bolt and detach the upper radiator hose.
Torque: 62 lb.in (7 Nm)



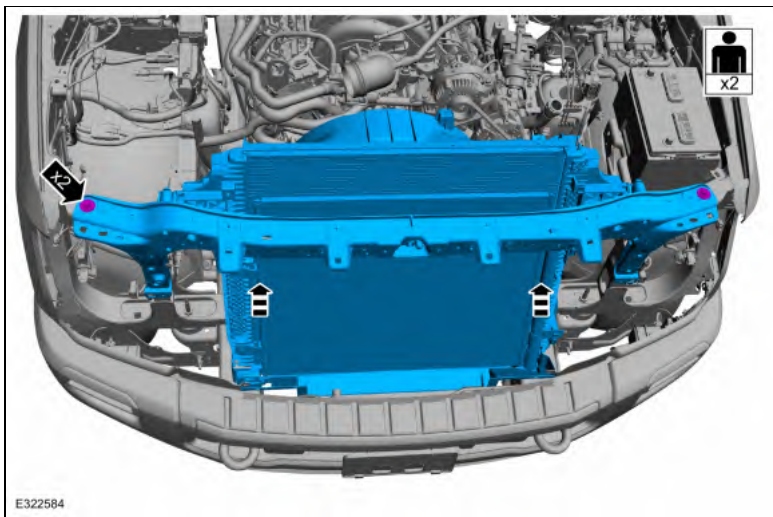
18. Pull the lower radiator hose spring clip until the end of the clip is in the detent on the quick connect coupling and disconnect the lower radiator hose.



19. Disconnect the electrical connector.



20. 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 the 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 (303-03D Engine Cooling - 7.3L 2V DEVCT V8 (239kW/320PS) (J0), General Procedures).
4. 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).