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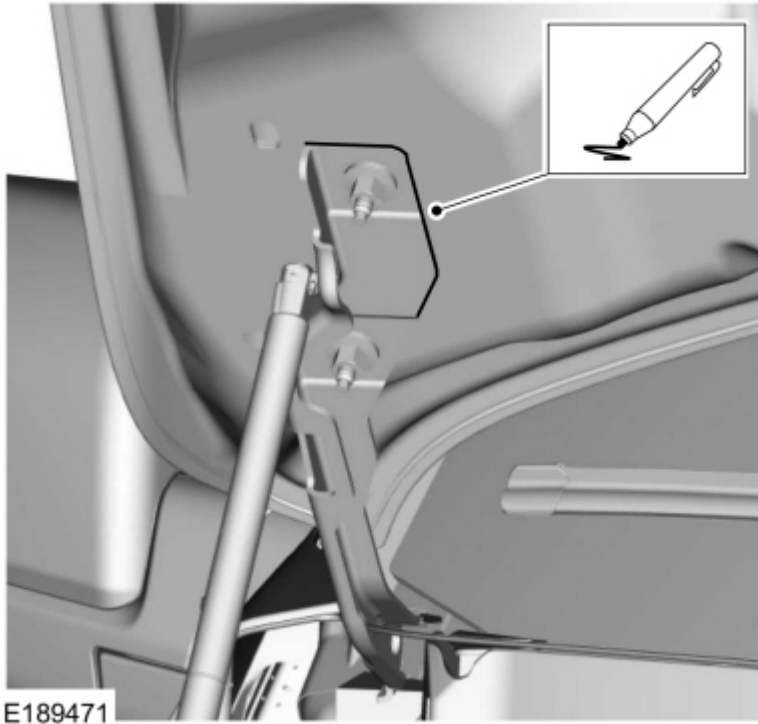
Ford Parts Manual

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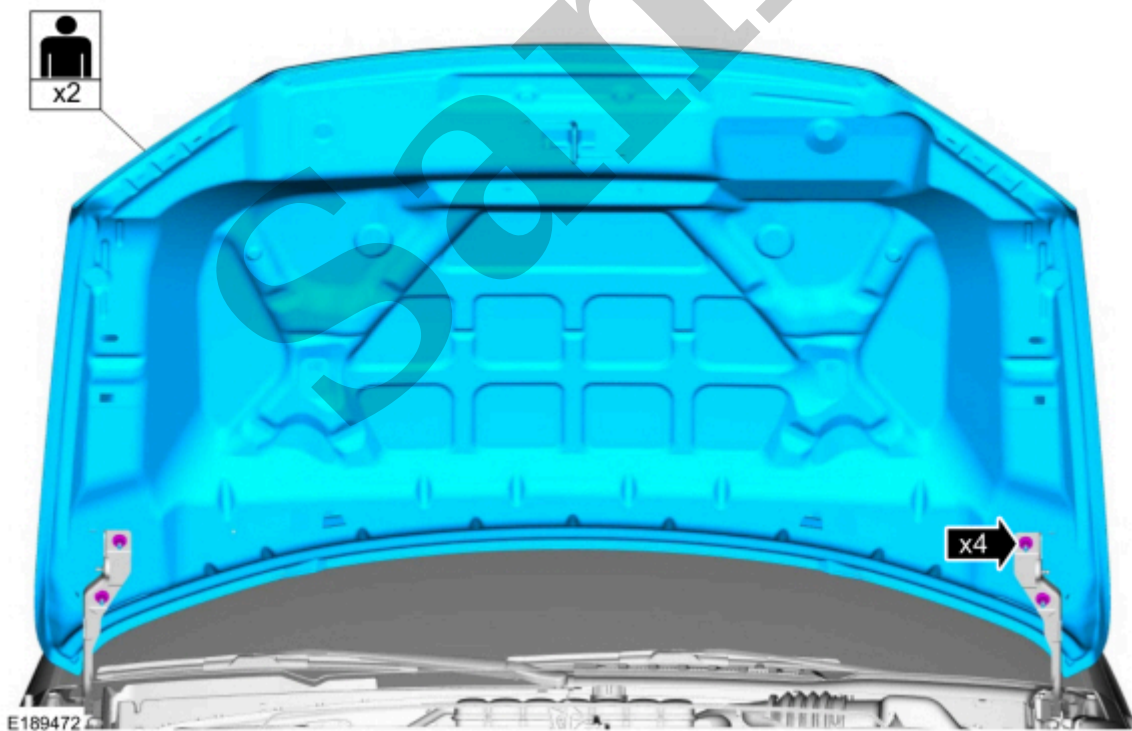
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Sample



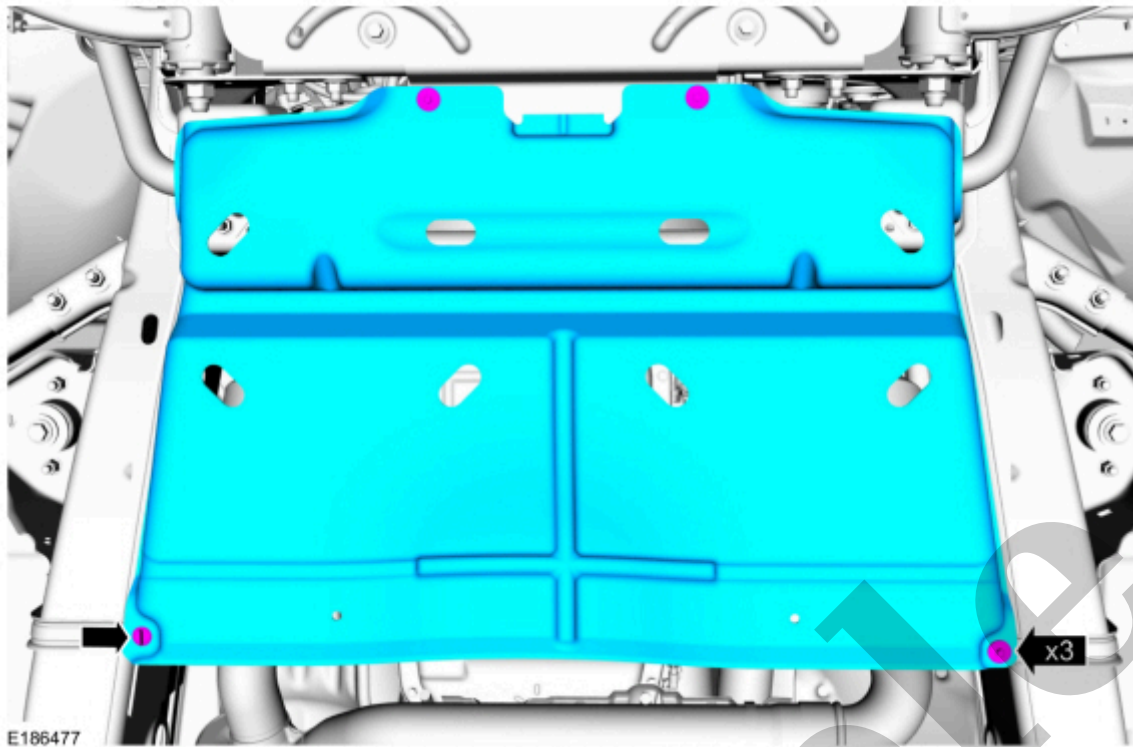
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3. Remove the nuts and the hood.



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4. Release the fuel system pressure.

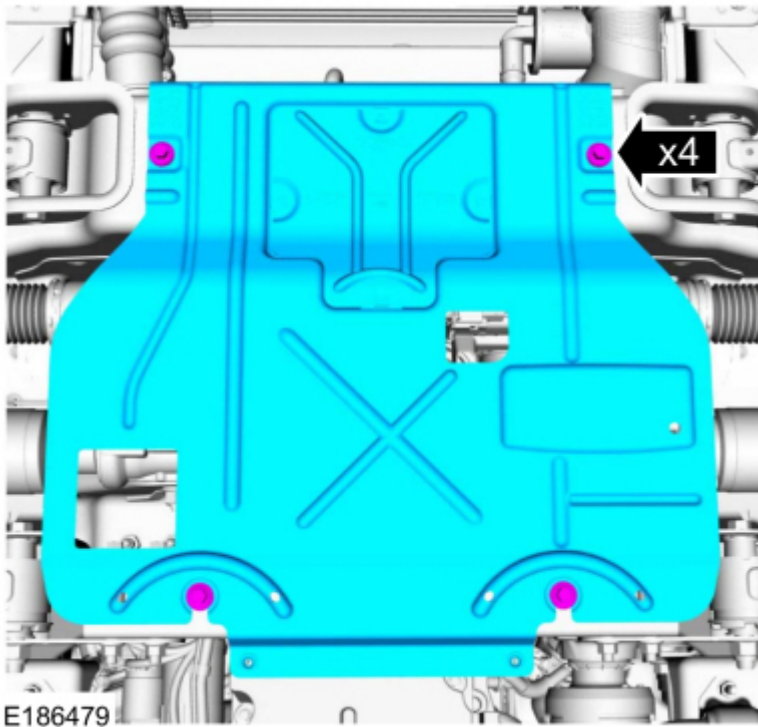


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9. **NOTE**

Vehicles come with an underbody shield or a skid plate.

- If equipped, remove the pin-type retainers.
- Remove the bolts and the underbody shield.

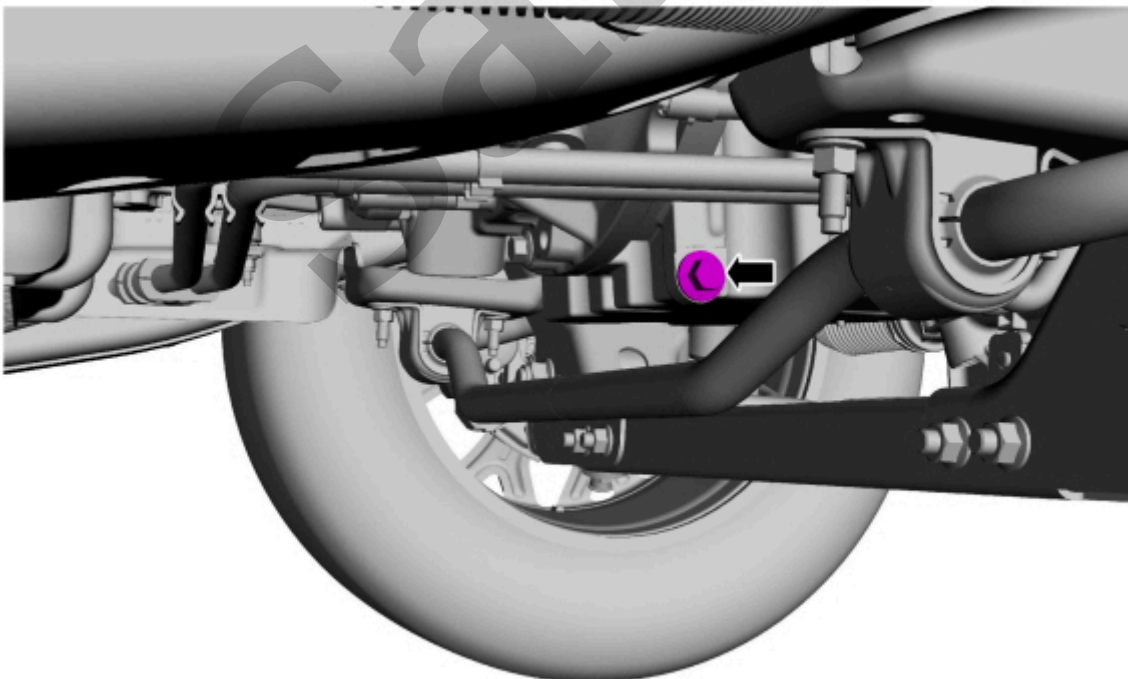


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11. Remove the oil pan plug and drain the engine oil.

Use the General Equipment: Oil Drain Equipment

Torque : 20 lb.ft (27 Nm)



E343661

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14. Remove the cooling module.

Refer to: [Cooling Module](#)(303-03C Engine Cooling - 3.5L EcoBoost (BM), Removal and Installation).

15. Remove the CAC (charge air cooler) outlet pipe.

Refer to: [Charge Air Cooler \(CAC\) Outlet Pipe](#)(303-12D Intake Air Distribution and Filtering - 3.5L V6 PowerBoost (CN), Removal and Installation).

16. Remove the CAC (charge air cooler) intake pipes.

Refer to: [Charge Air Cooler \(CAC\) Intake Pipe](#)(303-12D Intake Air Distribution and Filtering - 3.5L V6 PowerBoost (CN), Removal and Installation).

17. Remove the A/C (air conditioning) compressor.

Refer to: [Air Conditioning \(A/C\) Compressor - 3.5L V6 PowerBoost \(CN\)](#)(412-00 Climate Control System - General Information, Removal and Installation).

18. Remove the intake manifold.

Refer to: [Intake Manifold](#)(303-01C Engine - 3.5L EcoBoost (BM), Removal and Installation).

19. Remove the SOBDMC (secondary on-board diagnostic control module C) .

Refer to: [Inverter System Controller \[SOBDMC\]](#)(303-14F Electric Powertrain Control - 3.5L V6 PowerBoost (CN), Removal and Installation).

20. Remove the battery tray.

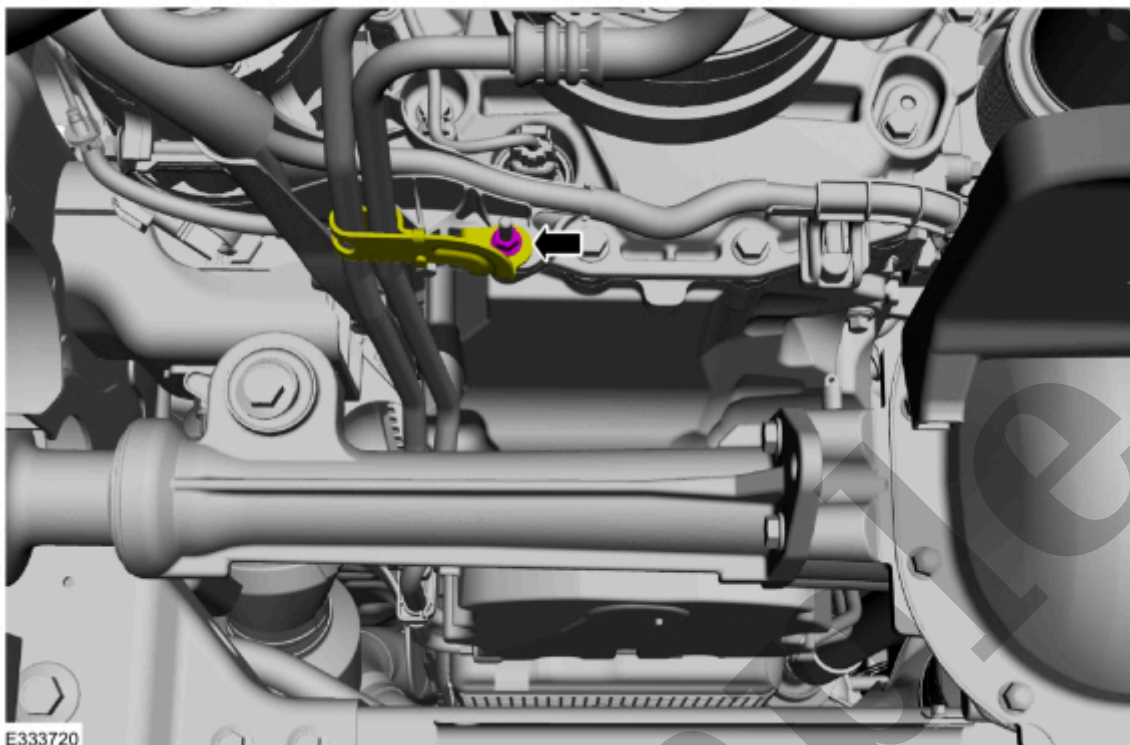
Refer to: [Battery Tray](#)(414-01 Battery, Mounting and Cables, Removal and Installation).

21. If equipped.

Remove the bolts and the LH (left-hand) heat shield.

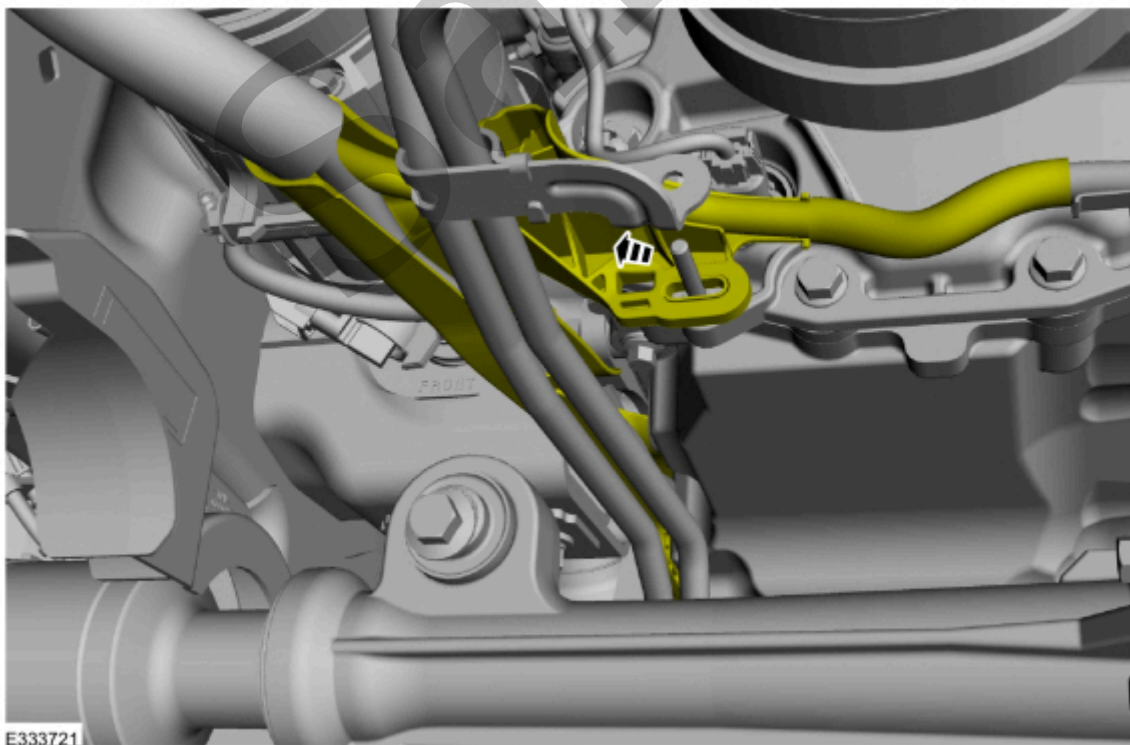
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23. Remove the nut and position out the transmission cooler tube bracket.



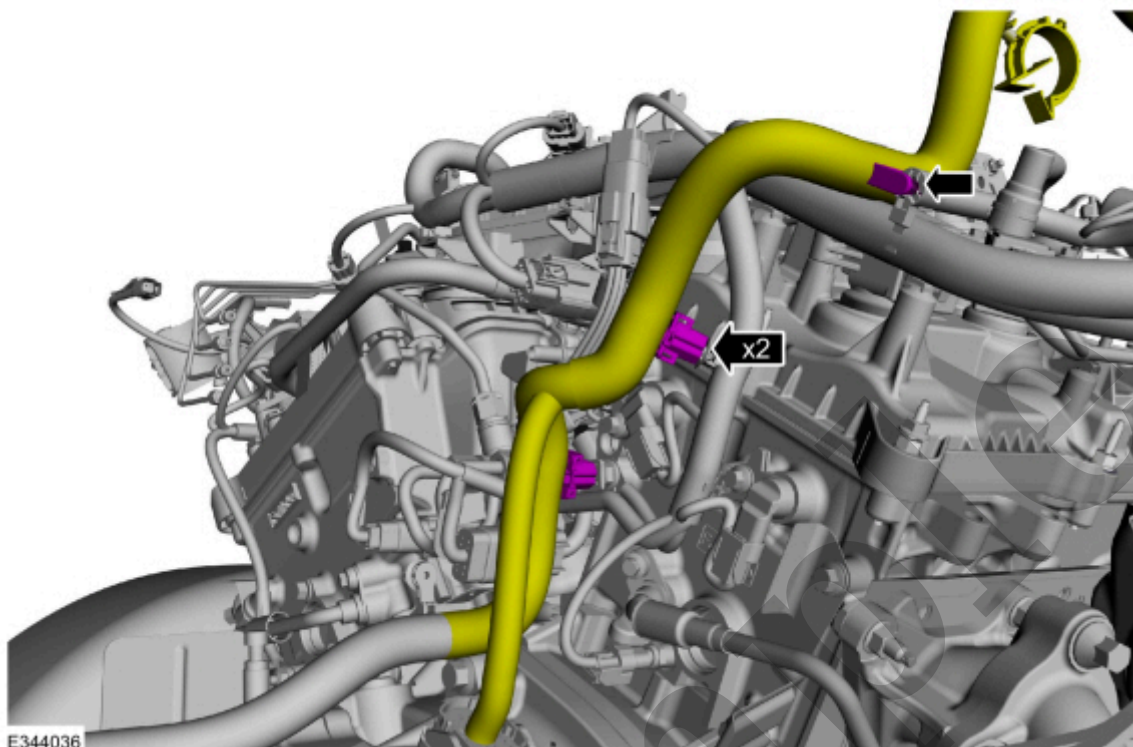
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24. Position out the engine wiring harness.



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27. Remove the retainers and position the electric motor 3 phase AC (alternating current) cable wire harness from the engine.

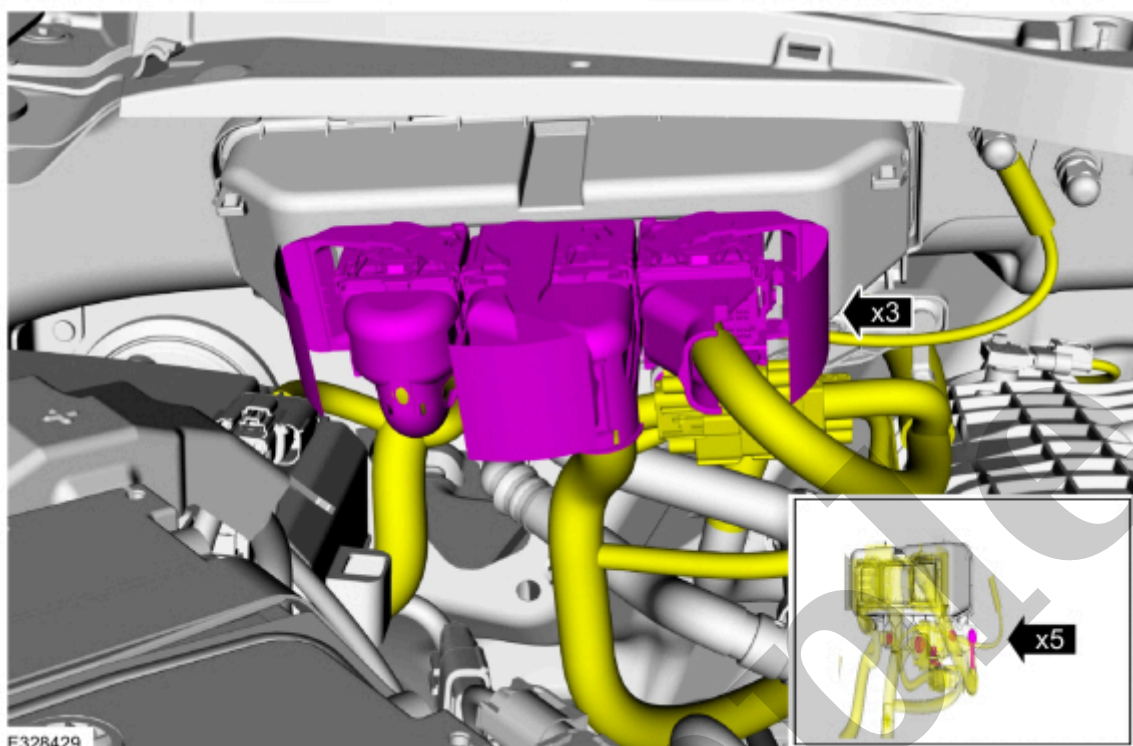


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- 28.
- Position back the boot and remove the generator nut.
 - Disconnect the electrical connector and the wire harness retainer.

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30. Disconnect the PCM (powertrain control module) electrical connectors and the wire harness retainers.



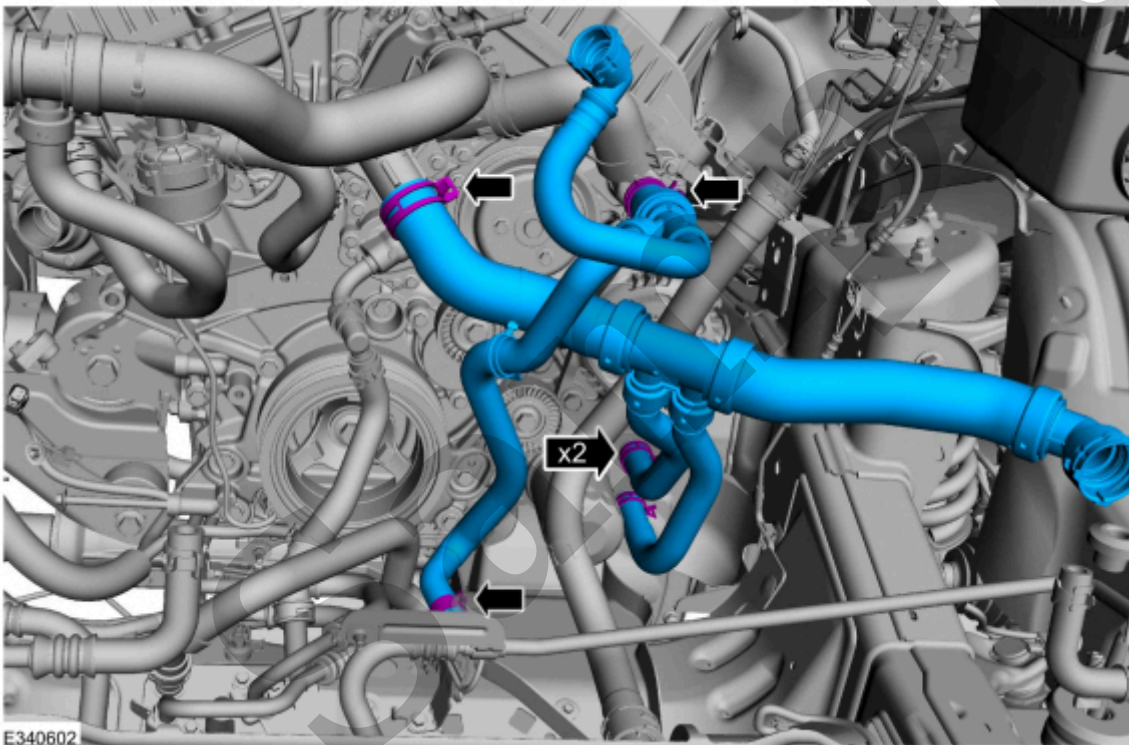
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31. Disconnect the coolant hose and remove the primary bottle.

Use the General Equipment: Hose Clamp Remover/Installer

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33. • Disconnect and remove the oil cooler cooling hoses.
- Use the General Equipment: Hose Clamp Remover/Installer
- Disconnect and remove the coolant control valve hose.
- Use the General Equipment: Hose Clamp Remover/Installer
- Disconnect and remove the thermostat housing coolant hose.
- Use the General Equipment: Hose Clamp Remover/Installer
- Disconnect and remove the radiator coolant hose.
- Use the General Equipment: Hose Clamp Remover/Installer



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34. Disconnect and remove the upper radiator hose.
- Use the General Equipment: Hose Clamp Remover/Installer