

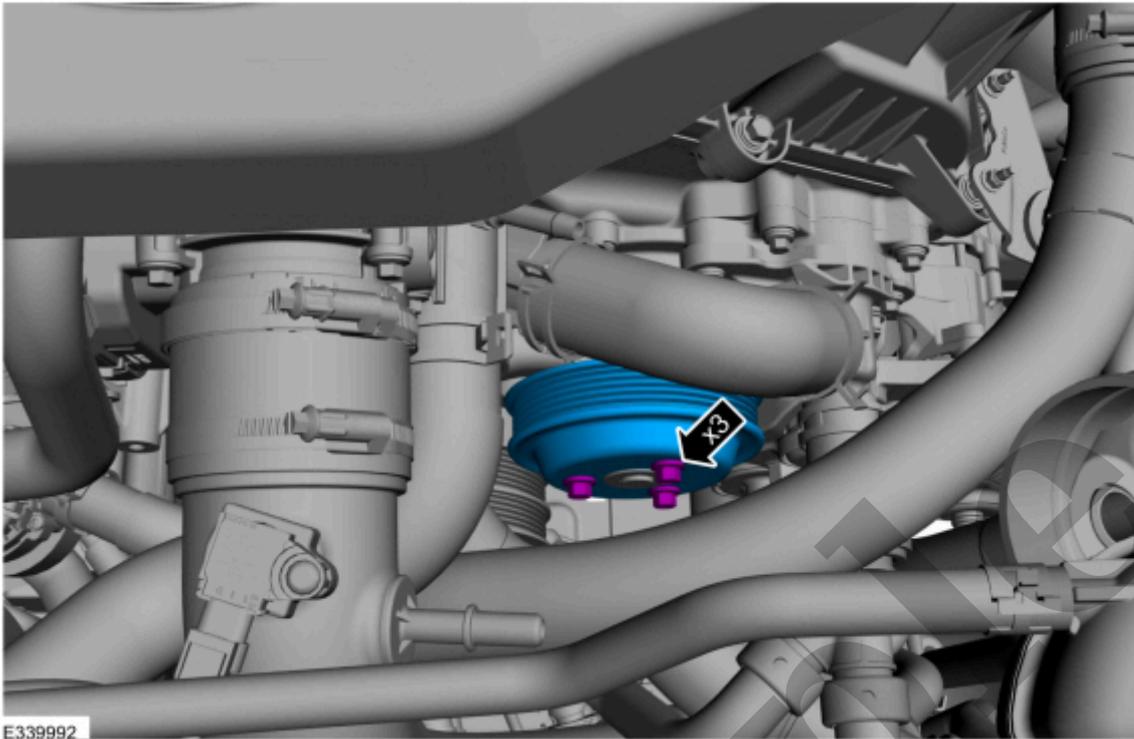
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1969 FORD Mustang Convertible OEM Service and Repair Workshop Manual

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8. Position the coolant pump pulley and install the bolts finger tight.



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9. Install the accessory drive belt.

Refer to: [Accessory Drive Belt](#)(303-05D Accessory Drive - 3.5L V6 PowerBoost (CN), Removal and Installation).

10. Remove the plastic from the A/C (air conditioning) compressor belt.

11. Tighten the coolant pump pulley bolts.

Torque : 18 lb.ft (24 Nm)

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13. Install the LH (left-hand) CAC (charge air cooler) Intake Pipe.

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

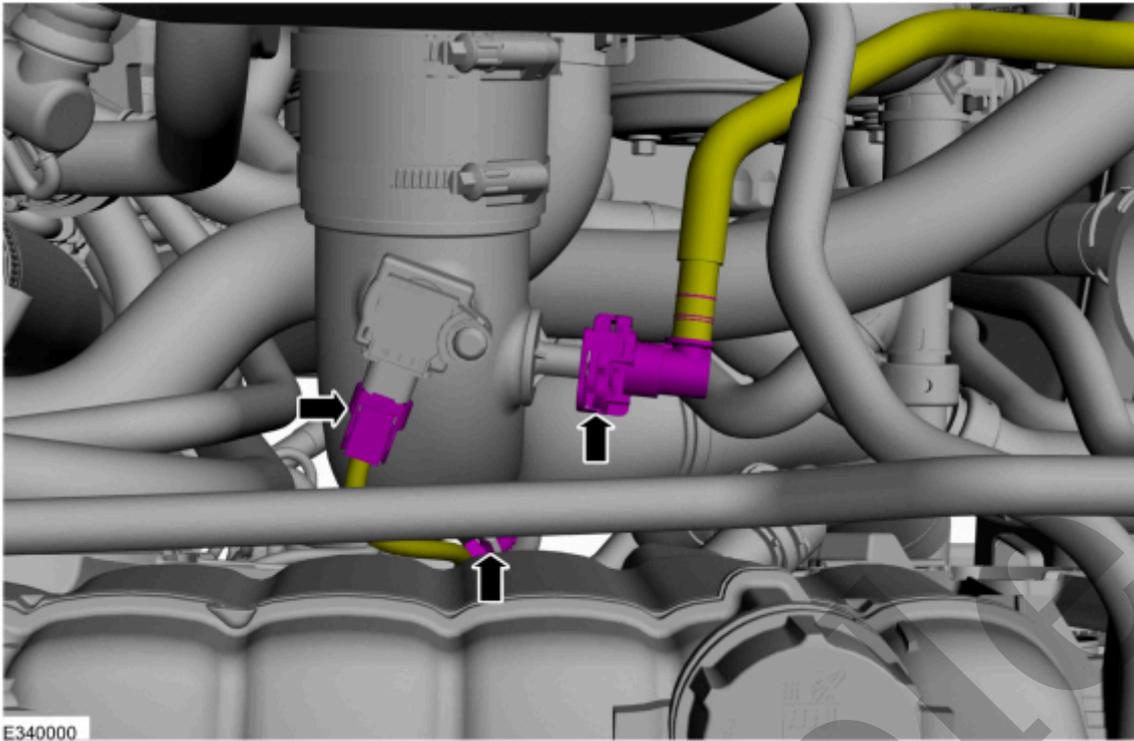
14. Fill and bleed the cooling system.

Refer to: [Engine Cooling System Draining, Vacuum Filling and Bleeding](#)(303-03D Engine Cooling - 3.5L V6 PowerBoost (CN), General Procedures).

15. Road test the vehicle.

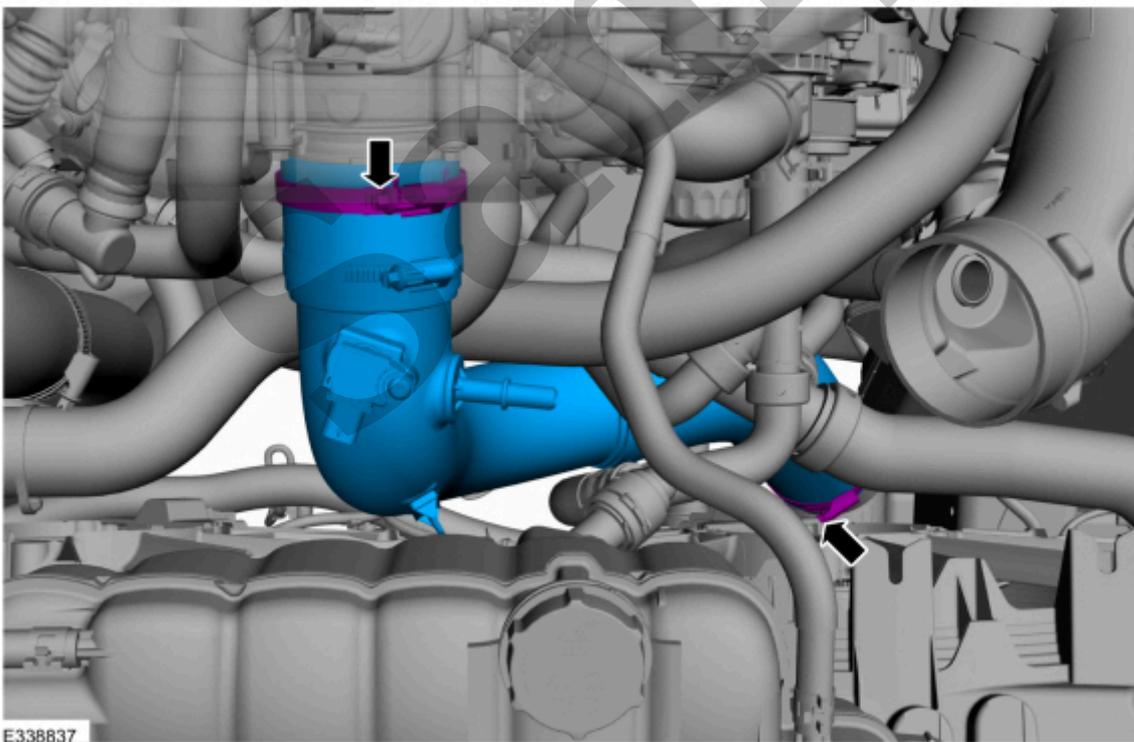
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Sample



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5. Loosen the clamps and remove the CAC (charge air cooler) to TB (throttle body) pipe.

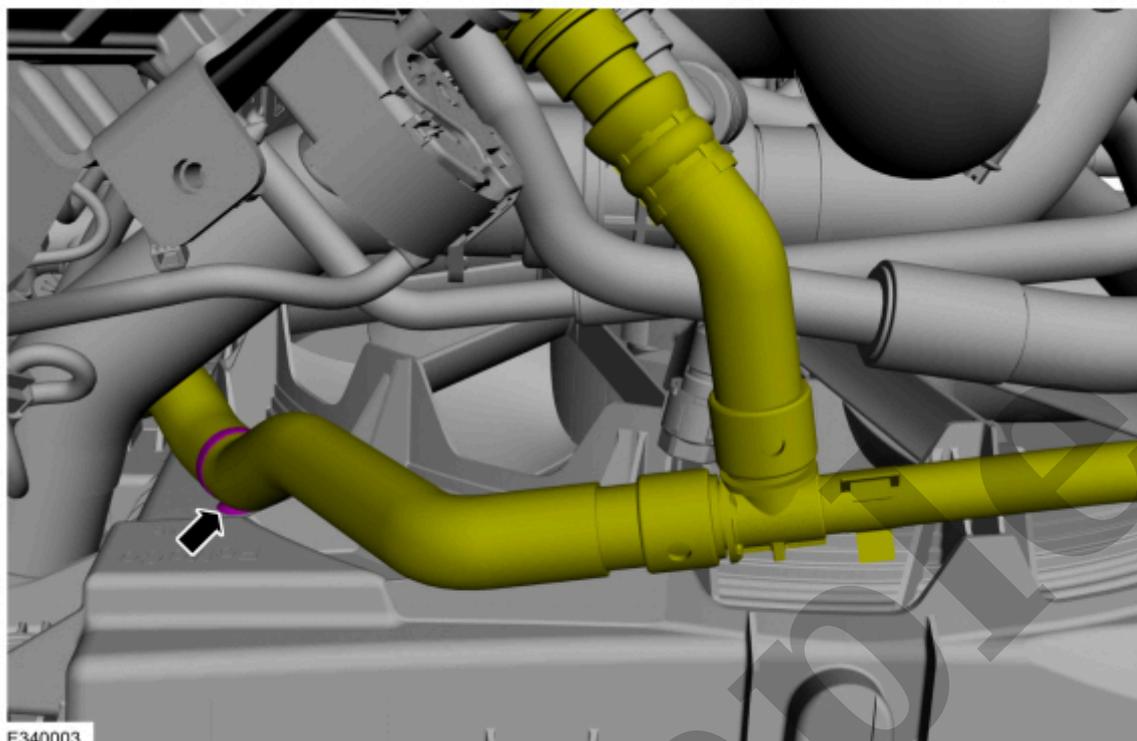


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6. Remove the bolts and position the primary degas bottle aside.

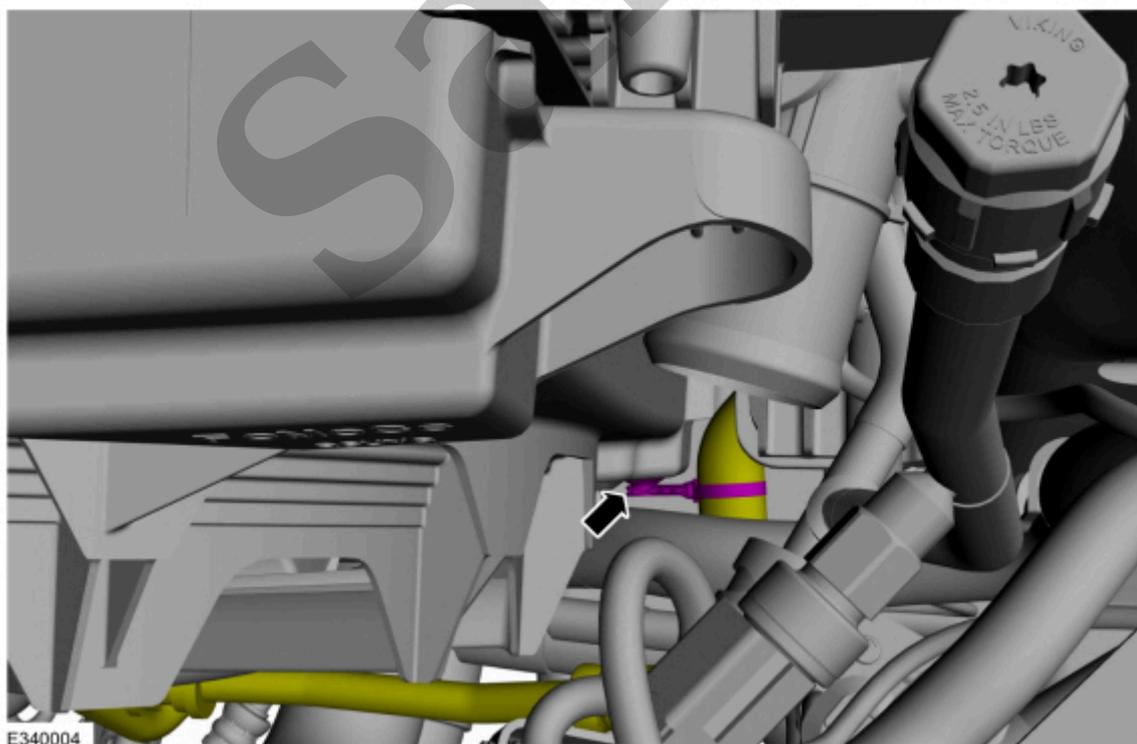
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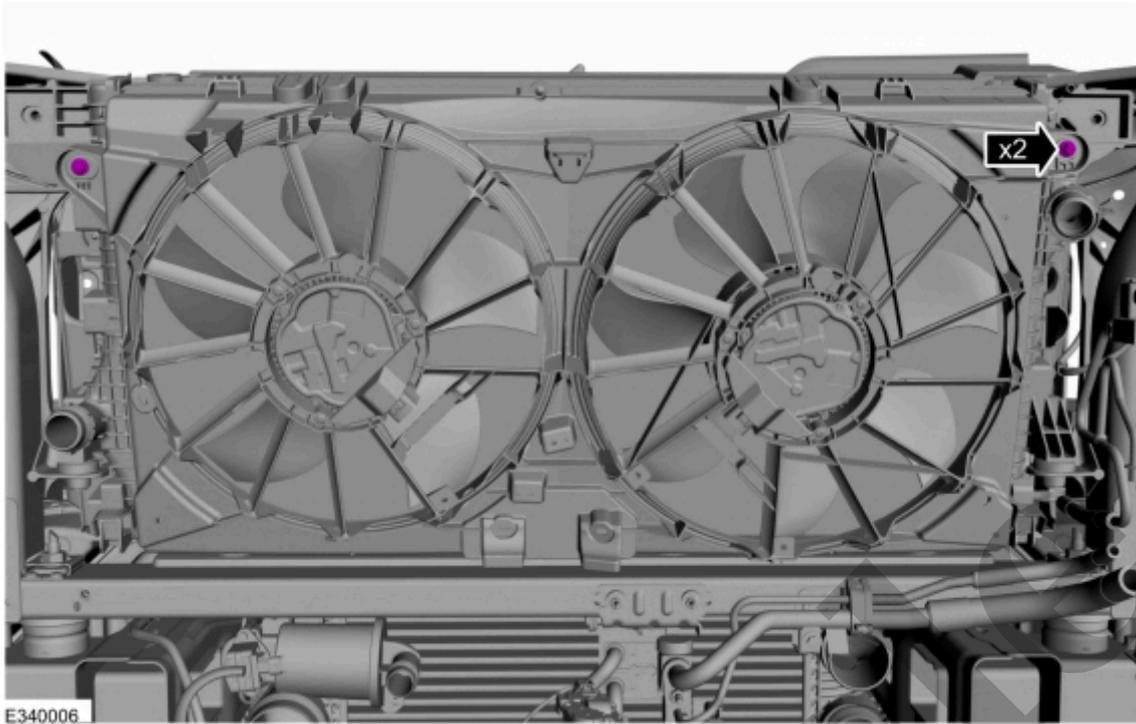
8. Detach the coolant hose retainer.



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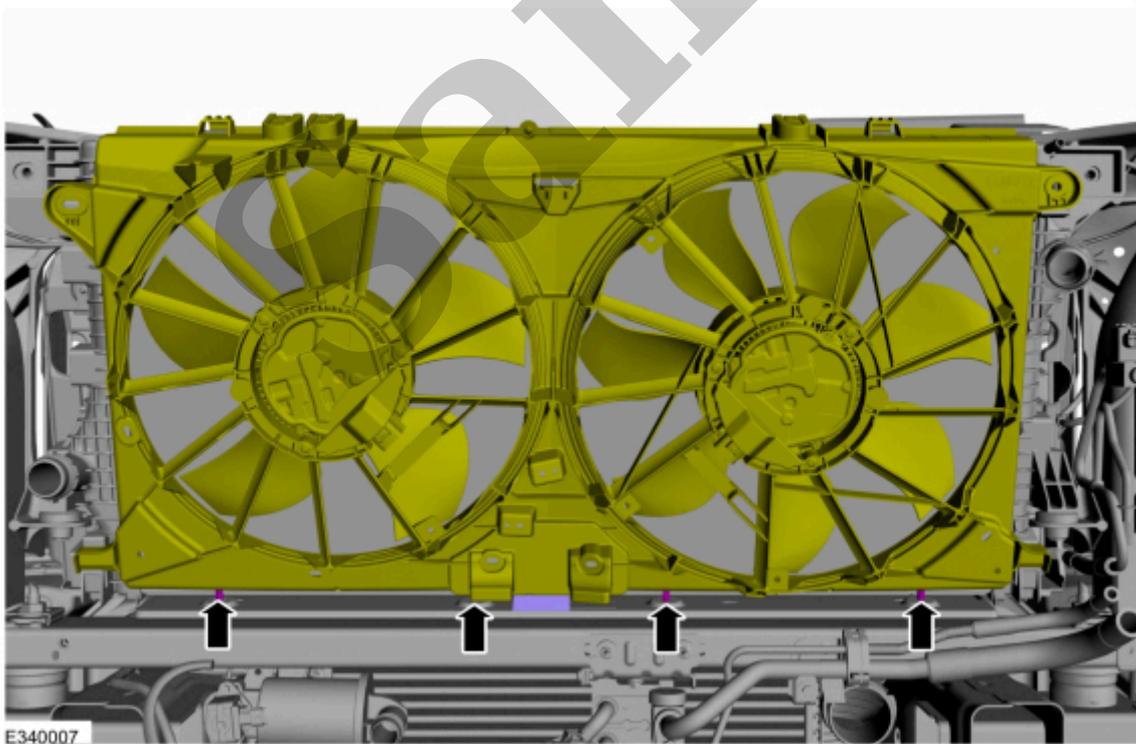
9. Detach the coolant hose retainer.





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12. Lift the cooling fan motor and shroud upward and place wooden block to support it. Detach the pin-type retainers that secure the lower radiator shield to the cooling fan shroud.



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Cooling Module

303-03D Engine Cooling - 3.5L V6 PowerBoost (CN)	2022 F-150
Removal and Installation	Procedure revision date: 02/15/2022

Cooling Module

Removal

NOTE

Removal steps in this procedure may contain installation details.

1. With the vehicle in N (Neutral) , position it on a hoist.

Refer to: [Jacking and Lifting - Overview](#)(100-02 Jacking and Lifting, Description and Operation).

2. Drain the cooling system.

Refer to: [Engine Cooling System Draining, Vacuum Filling and Bleeding](#)(303-03D Engine Cooling - 3.5L V6 PowerBoost (CN), General Procedures).

3. Drain the electric powertrain cooling system.

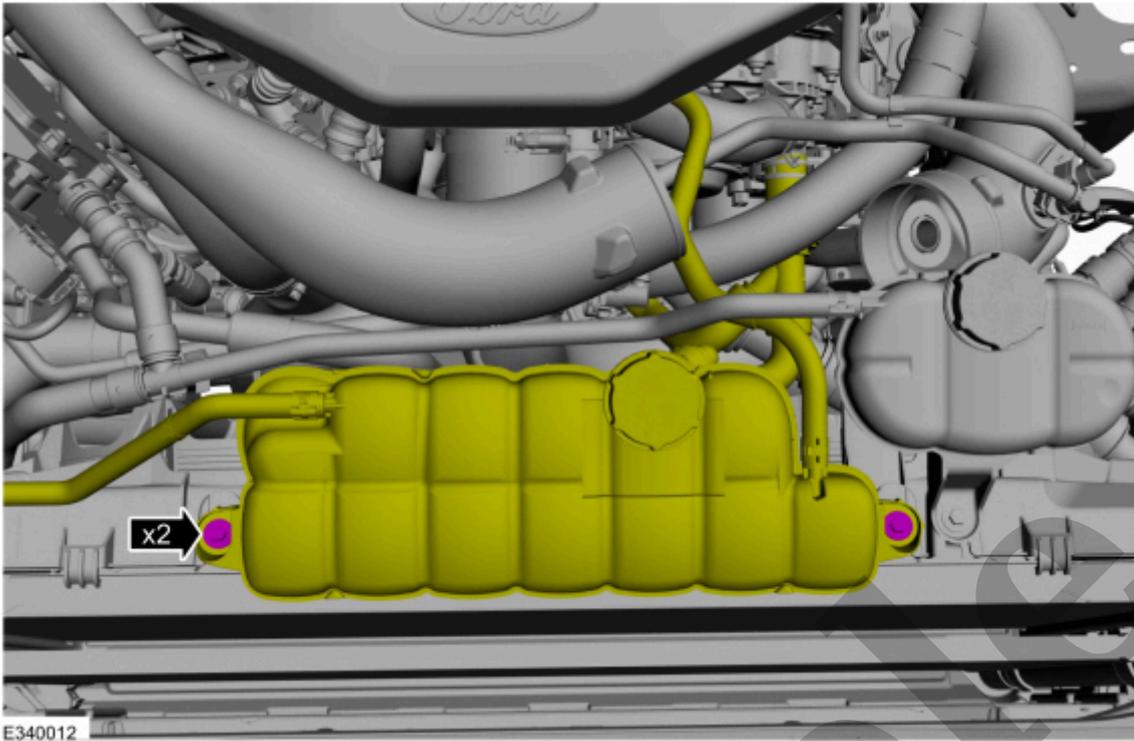
Refer to: [Cooling System Filling and Bleeding](#)(303-03F Electric Powertrain Cooling - 3.5L V6 PowerBoost (CN), General Procedures).

4. Evacuate the A/C (air conditioning) system.

Refer to: [Air Conditioning \(A/C\) System Recovery, Evacuation and Charging](#)(412-00 Climate Control System - General Information, General Procedures).

Refer to: [Air Conditioning \(A/C\) System Recovery, Evacuation and Charging - Full Hybrid Electric Vehicle \(FHEV\)](#)(412-00 Climate Control System - General Information, General Procedures).

5. Remove the air cleaner outlet pipe.

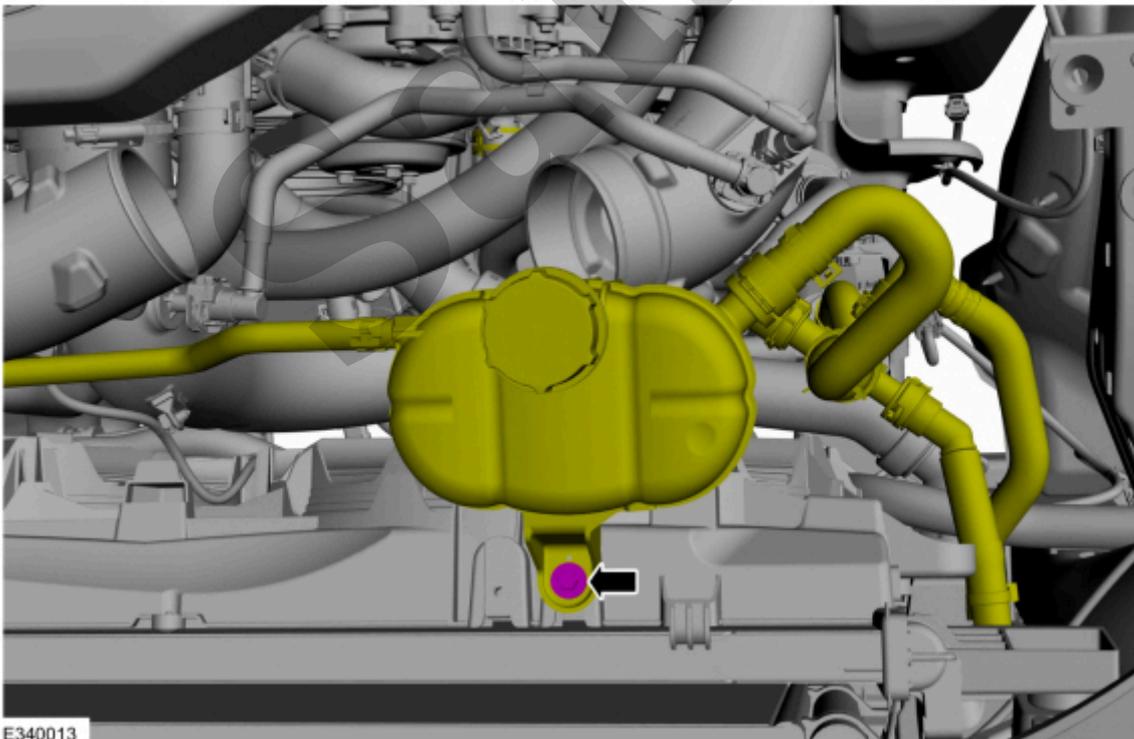


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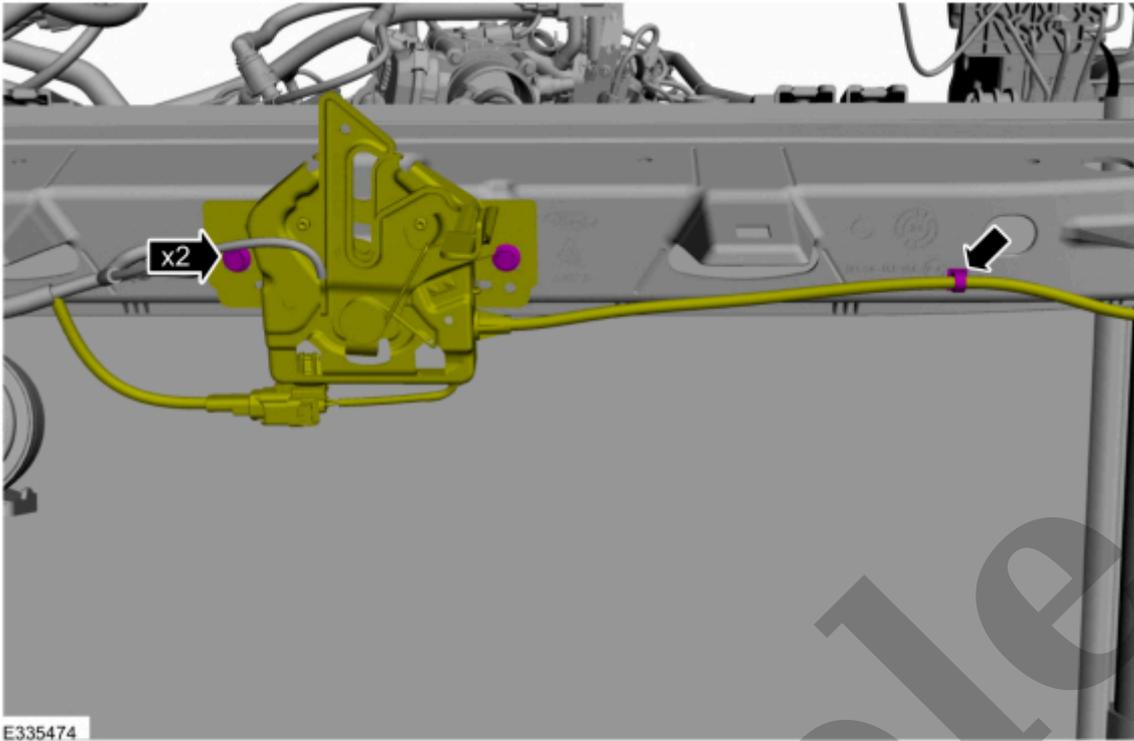
9. Remove the bolt and position the coolant expansion tank aside.

Torque : 62 lb.in (7 Nm)



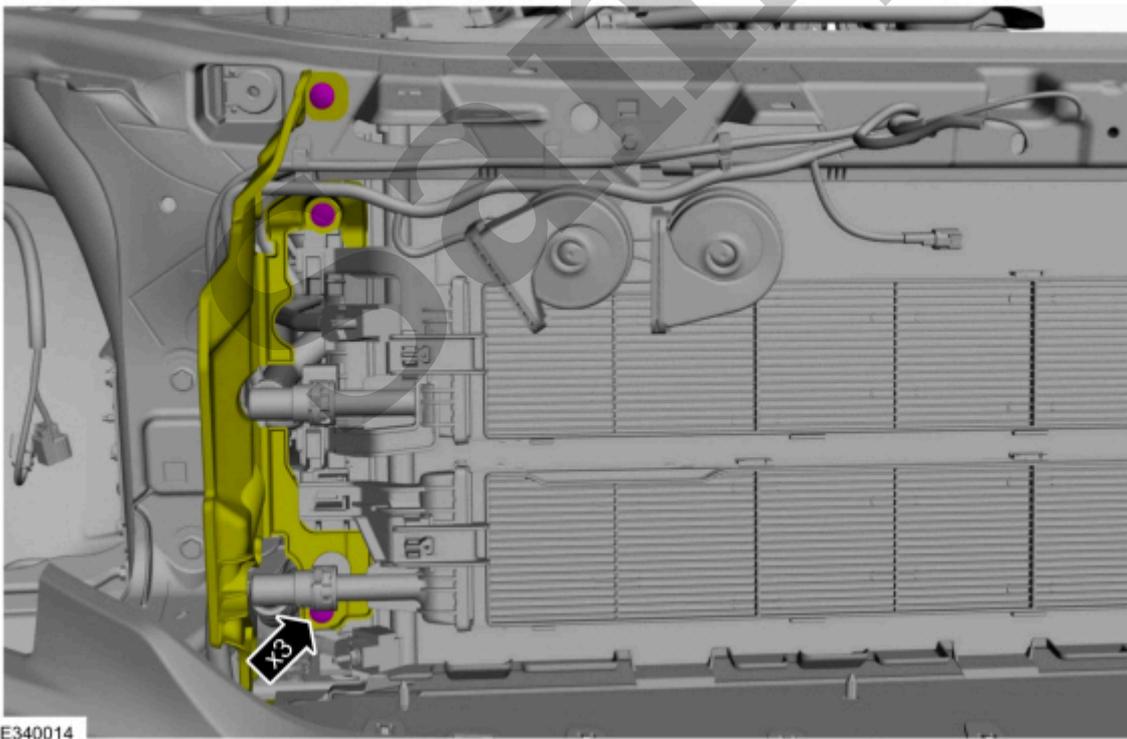
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14. Remove the pin-type retainers and position the air deflector aside.



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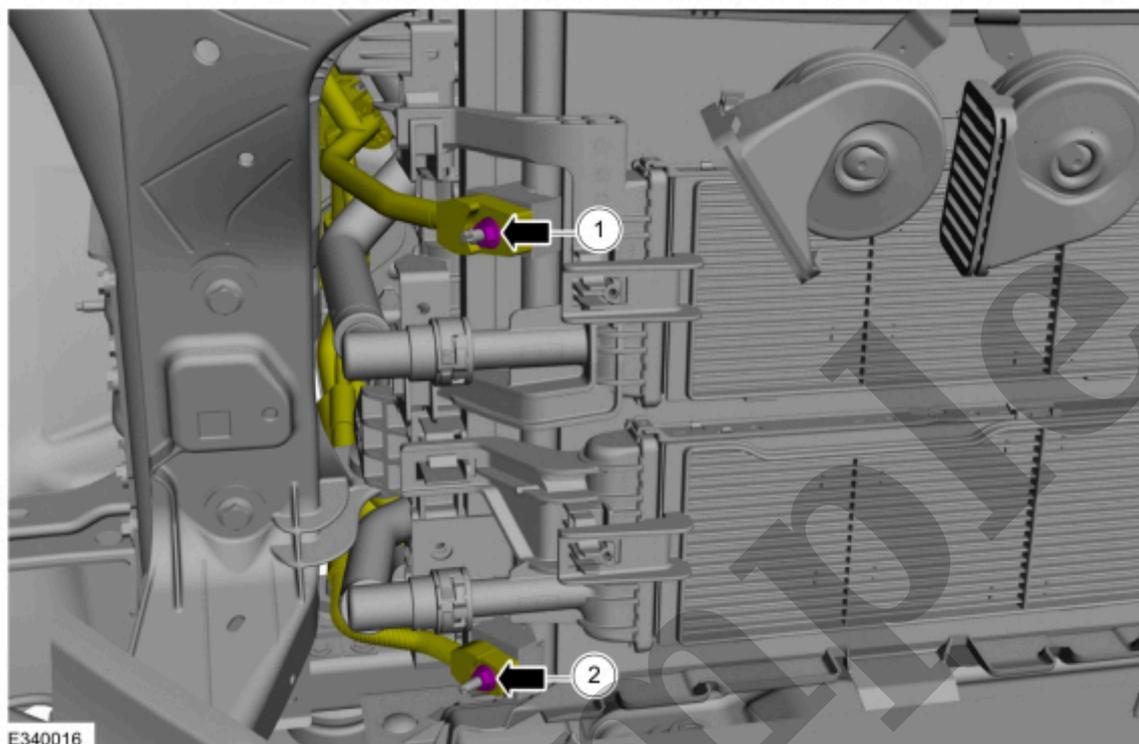
15. Detach the battery cable pin-type retainer.

Remove the condenser inlet and outlet nuts and disconnect the fittings.

Torque :

Stage 1: 71 lb.in (8 Nm)

Stage 2: 133 lb.in (15 Nm)



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18. Follow the directions to release quick release coupling type 3.

1. Disconnect the motor electronics radiator inlet hose.

Refer to: [Quick Release Coupling](#)(310-00D Fuel System - General Information - 3.5L V6 PowerBoost (CN), General Procedures).

2. If equipped.

Disconnect the high voltage battery radiator inlet hose.

Refer to: [Quick Release Coupling](#)(310-00D Fuel System - General Information - 3.5L V6 PowerBoost (CN), General Procedures).