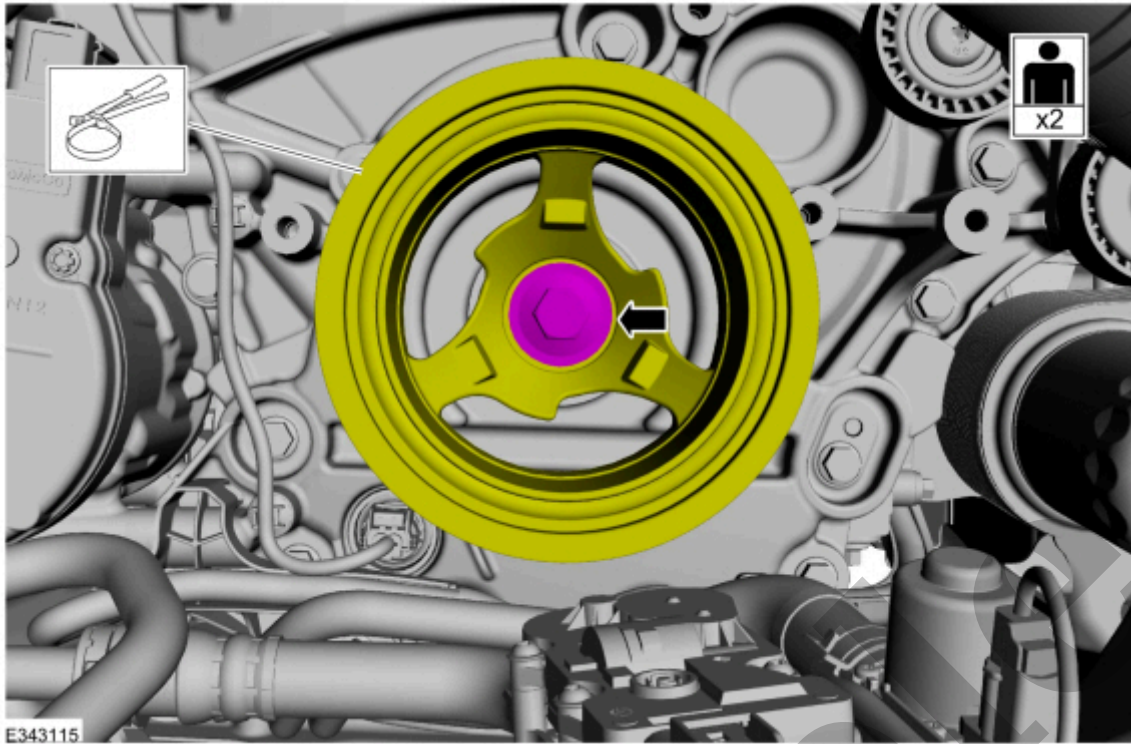


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FactoryManuals.net is a great resource for anyone who wants to save money on repairs by doing their own work. The manuals provide detailed instructions and diagrams that make it easy to understand how to fix a vehicle.

2013 Ford Mustang Service and Repair Manual

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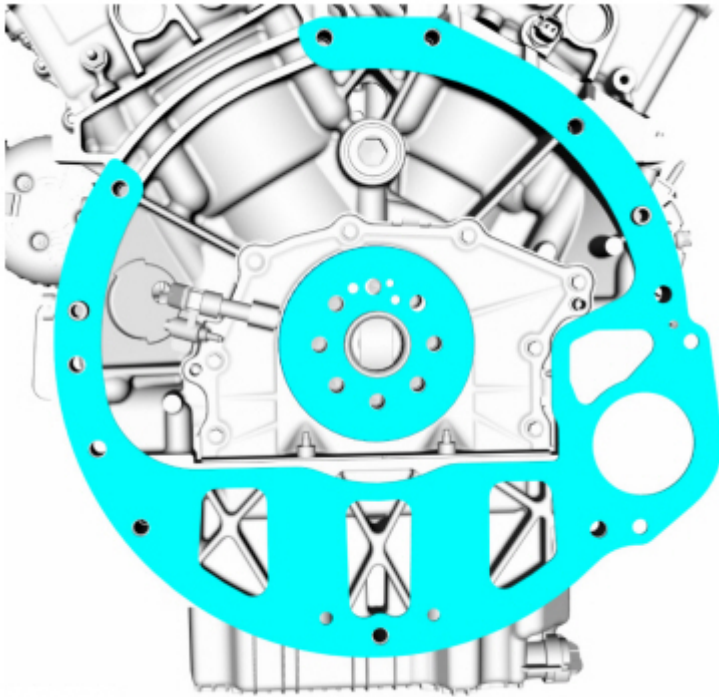
4. Install the accessory drive belt.

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

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

5. Install the coolant pump belt.

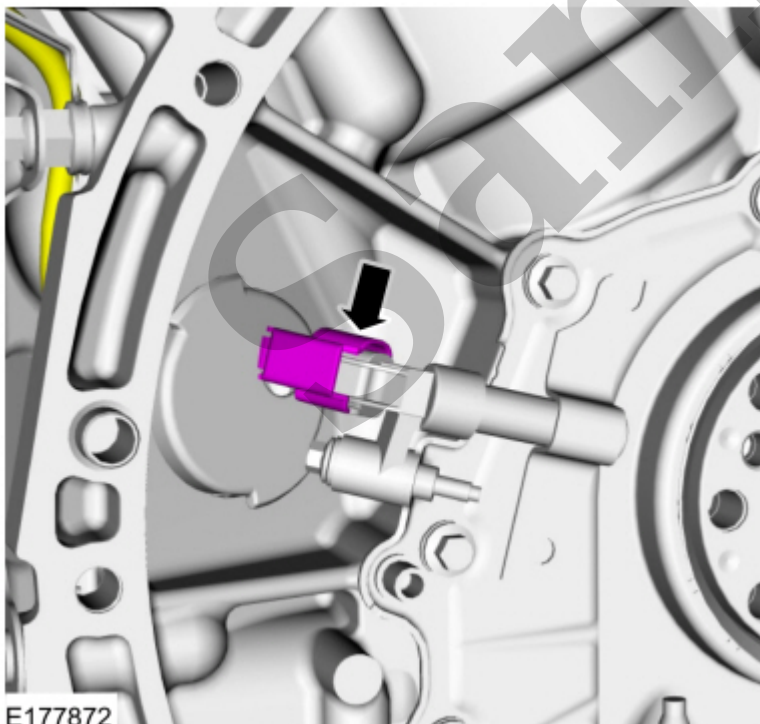
Refer to: [Coolant Pump Belt](#)(303-05D Accessory Drive - 3.5L V6 PowerBoost (CN), Removal and Installation).



E239875

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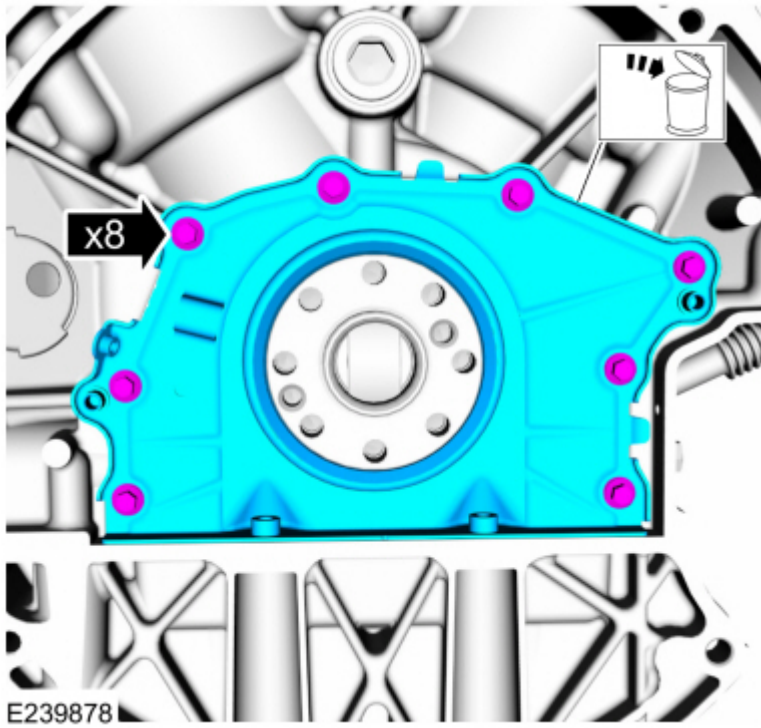
3. Disconnect the CKP (crankshaft position) sensor electrical connector.



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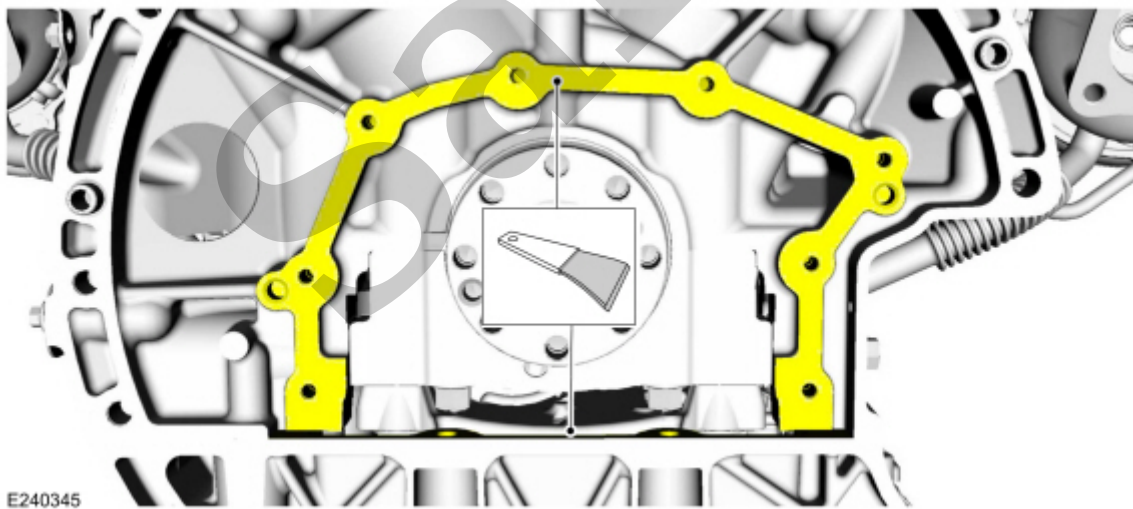
4. Remove the bolt and the CKP (crankshaft position) sensor.



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7. Clean and prepare the RTV sealing surface.

Refer to: [RTV Sealing Surface Cleaning and Preparation](#) (303-00 Engine System - General Information, General Procedures).



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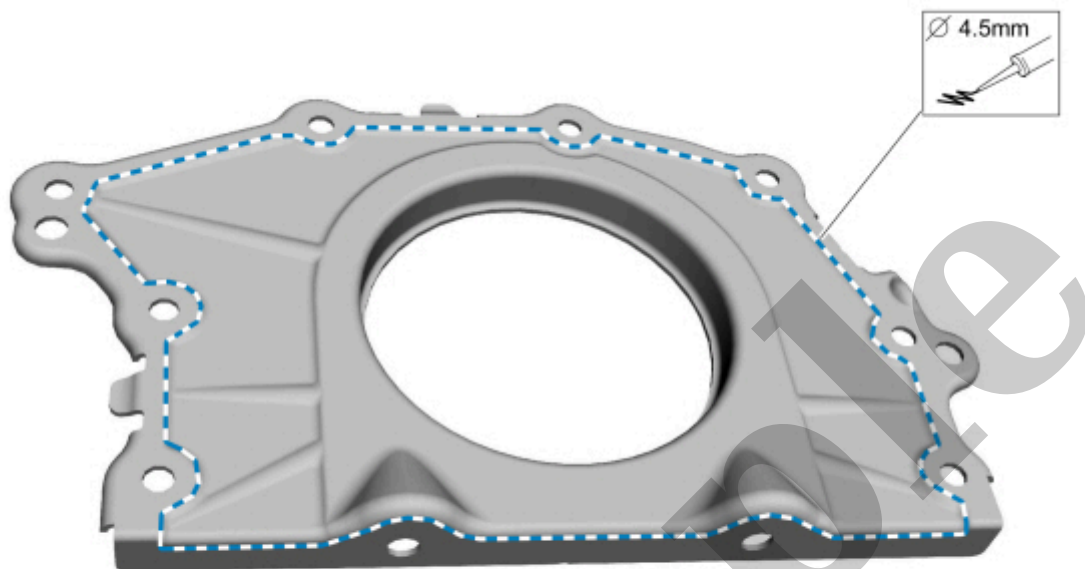
Installation

1. NOTICE

The crankshaft rear seal retainer must be installed and the bolts tightened within 10 minutes of sealant application.

Apply 4.5 mm (0.18 in) bead of silicone sealant.

Material : Motorcraft® High Performance Engine RTV Silicone / TA-357 (WSE-M4G323-A6)



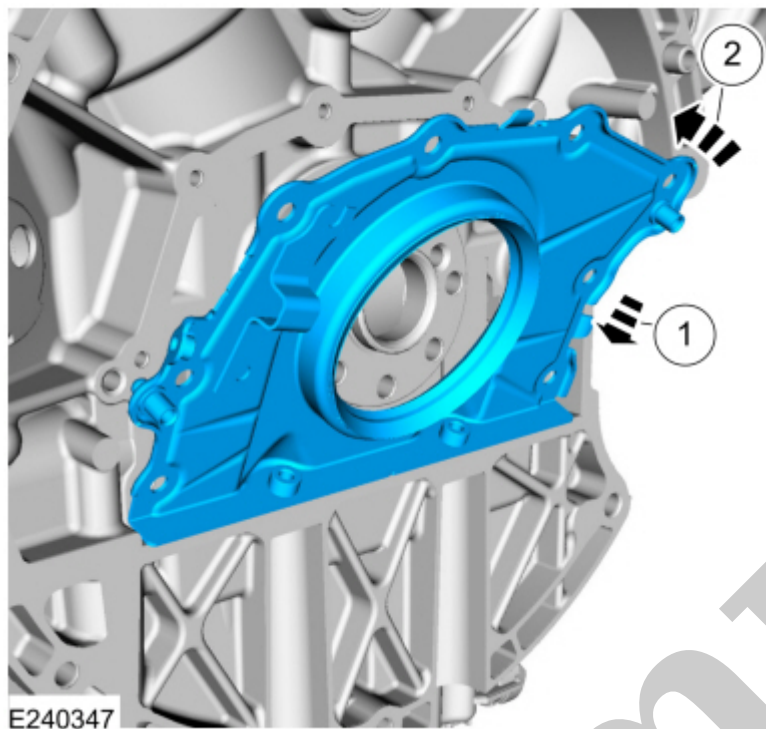
E340398

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3. Lubricate the crankshaft with clean engine oil.

Refer to: [Specifications](#)(303-01C Engine - 3.5L EcoBoost (BM), Specifications).

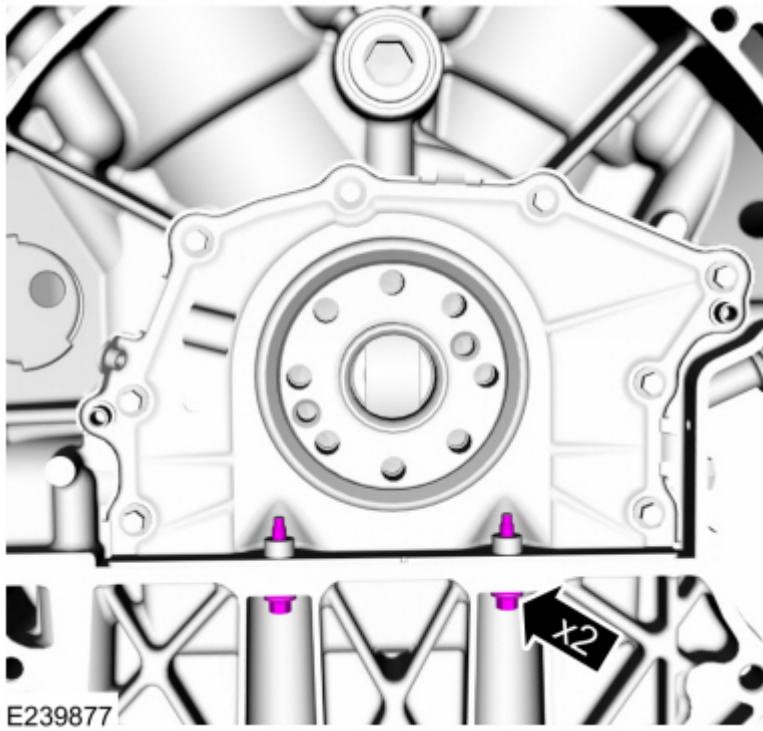
5.
 1. Install the crankshaft rear seal retainer at an angle above the oil pan flange to avoid scraping off the sealer.
 2. Tilt the seal retainer up and onto the rear of the cylinder block.



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6. Install the bolts and tighten in sequence shown.

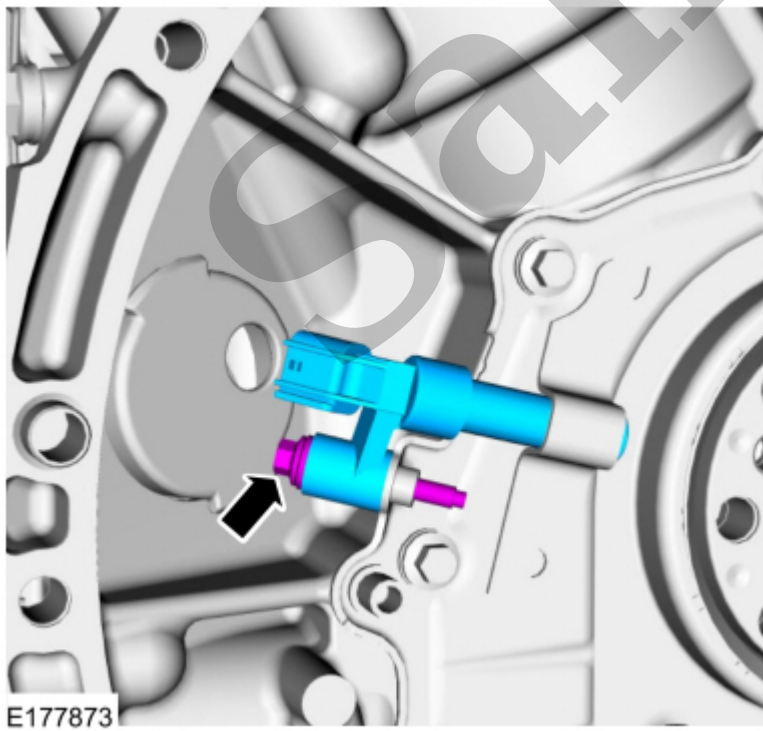
Torque : 89 lb.in (10 Nm)



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8. Install the CKP (crankshaft position) sensor and the bolt.

Torque : 53 lb.in (6 Nm)



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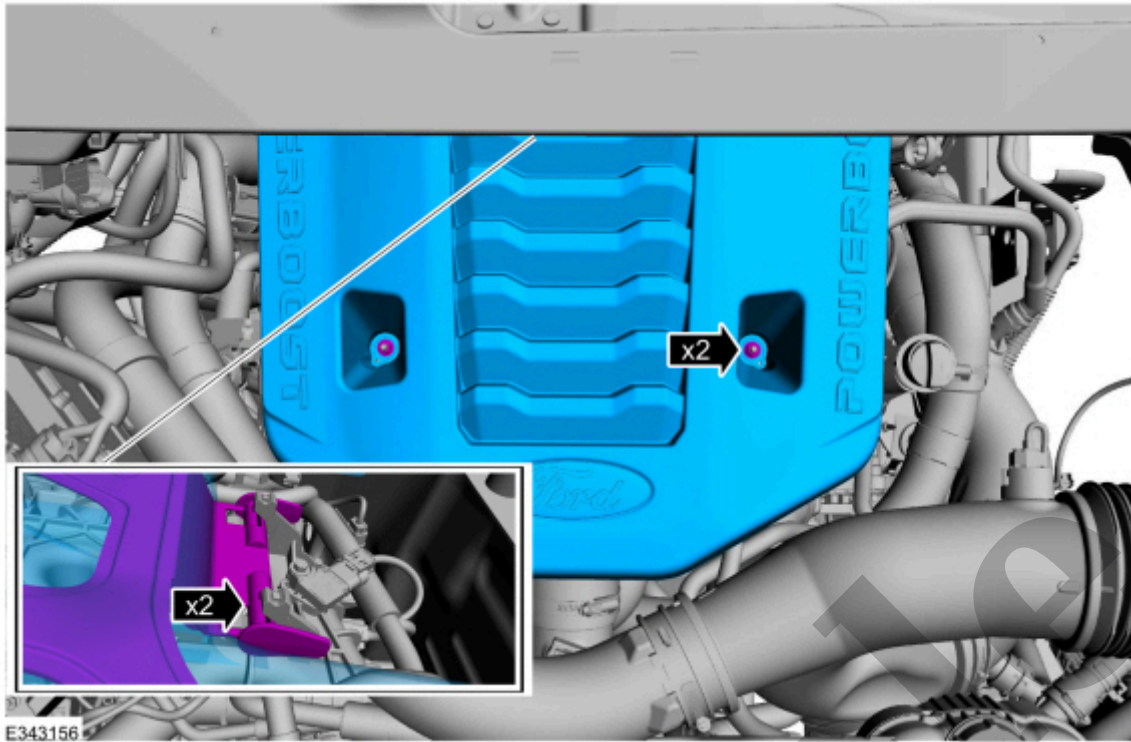
11. Install the flexplate.

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

12. Road test the vehicle.

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Sample



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3. Release the fuel system pressure.

Refer to: [Fuel System Pressure Release](#)(310-00C Fuel System - General Information - 3.5L EcoBoost (BM), General Procedures).

4. Remove the following items:

1. Remove the undershields.

Refer to: [Engine Front Undershield](#)(501-02 Front End Body Panels, Removal and Installation).

Refer to: [Engine Rear Undershield](#)(501-02 Front End Body Panels, Removal and Installation).

2. Remove the 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).

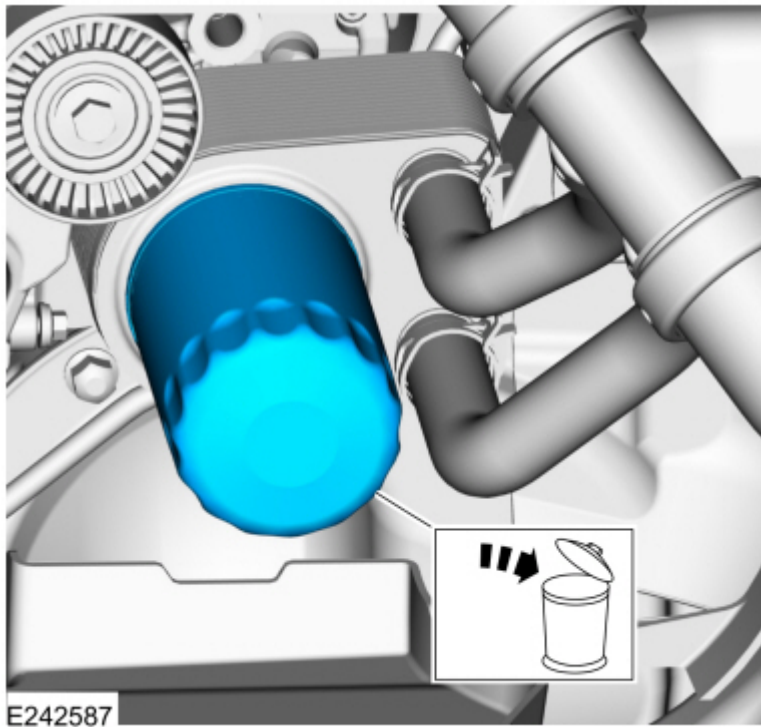
3. Remove the LH (left-hand) valve cover.

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

4. Remove the RH (right-hand) valve cover.

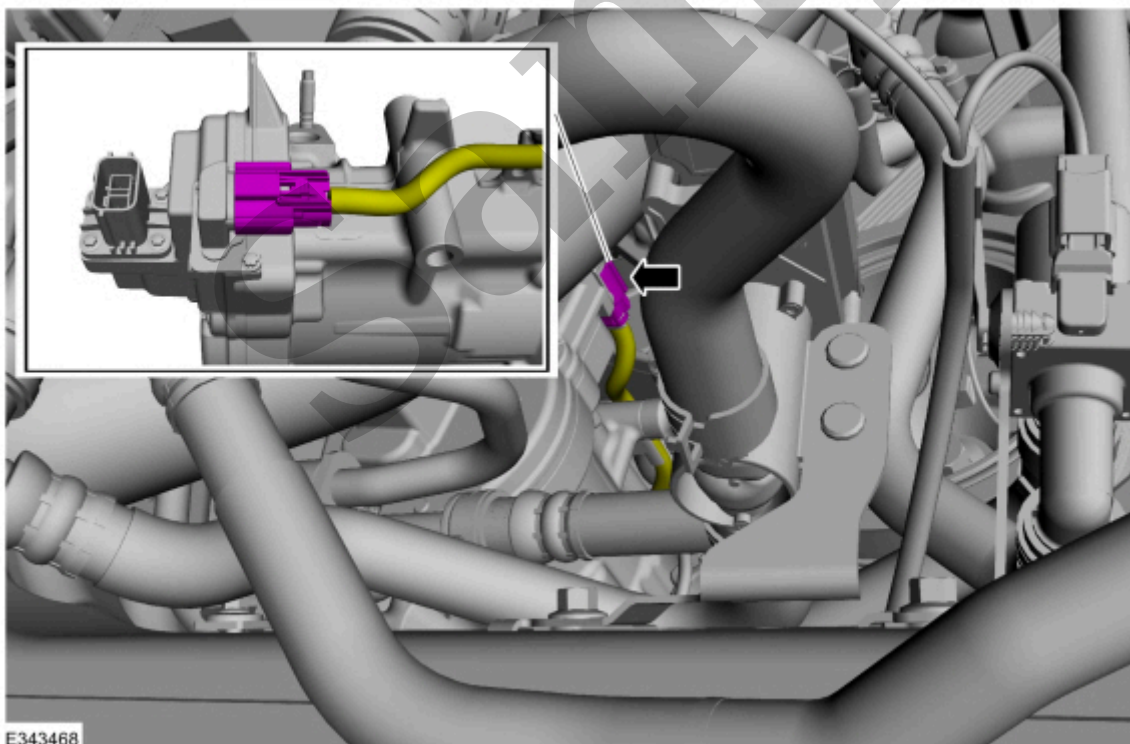
Refer to: [Valve Cover RH](#)(303-01C Engine - 3.5L EcoBoost (BM), Removal and Installation).

5. Remove the thermostat housing.



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7. Disconnect the A/C (air conditioning) compressor electrical connector.



[Click here to learn about symbols, color coding, and icons used in this manual.](#)

8. Remove the bolt and position the wire harness bracket.