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2017 Ford C-Max Service and Repair Manual

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Catalytic Converter LH

309-00D Exhaust System - 3.5L V6 PowerBoost (CN)	2022 F-150
Removal and Installation	Procedure revision date: 07/22/2020

Catalytic Converter LH

Removal

NOTE

If the catalytic converter is not being replaced, the HO₂S and the catalyst monitor sensor do not need to be removed from the catalytic converter. Disconnecting the electrical connectors is still necessary.

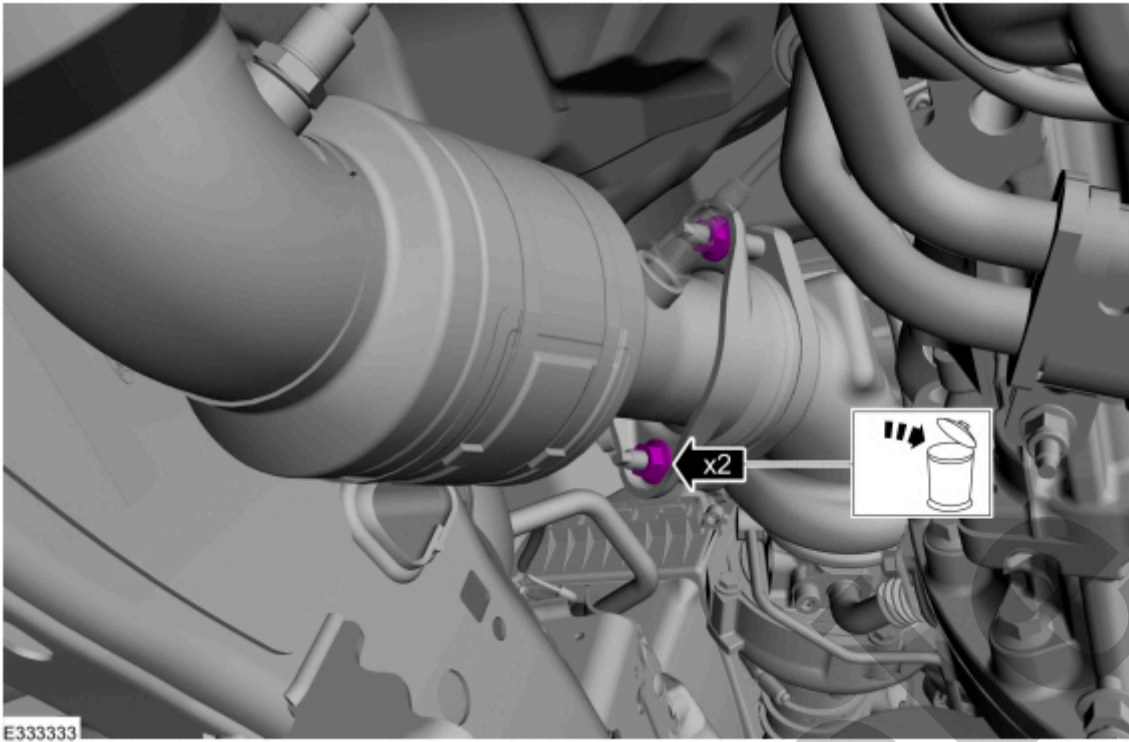
NOTE

The exhaust Y-pipe dual catalytic converter is a 2-piece assembly. The LH (left-hand) and RH (right-hand) converters can be serviced separately as needed.

1. With the vehicle in NEUTRAL, position it on a hoist.

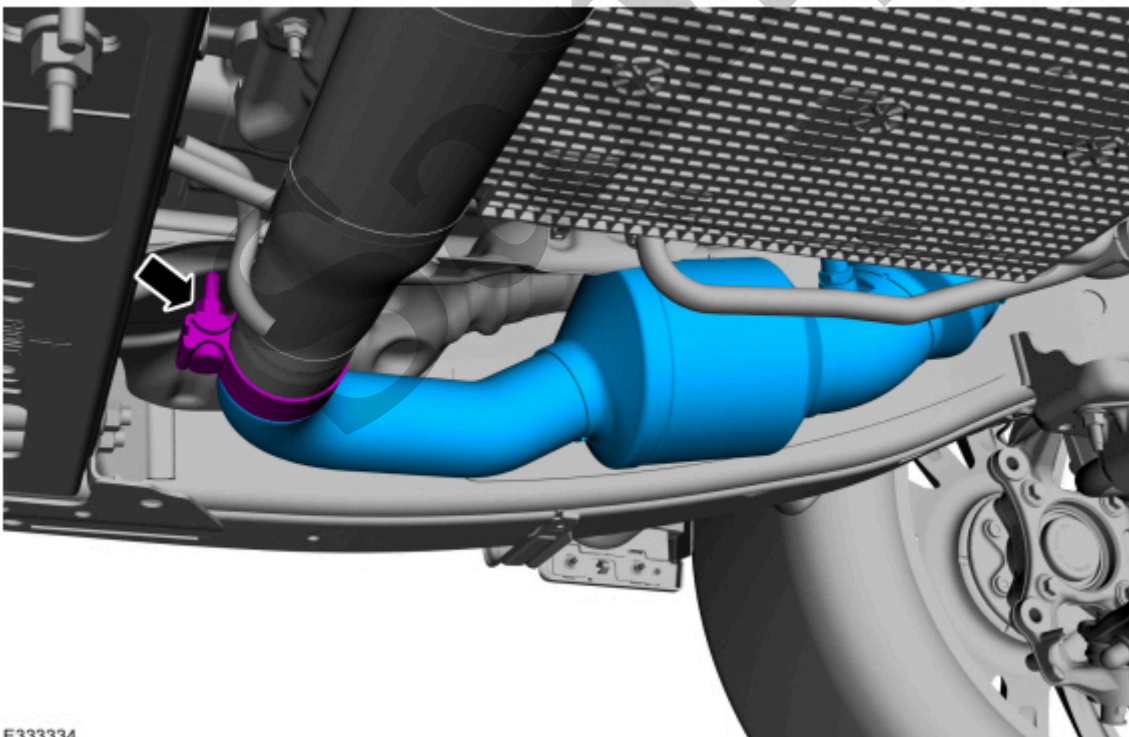
Refer to: [Jacking and Lifting - Overview](#)(100-02 Jacking and Lifting, Description and Operation).

2. If equipped, remove the underbody shield.



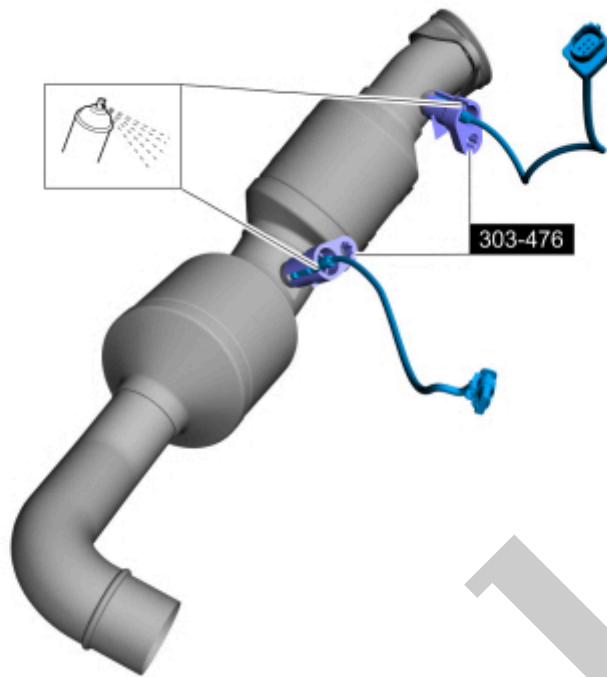
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5. Loosen the clamp and remove the LH (left-hand) catalytic converter.



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6. Remove and discard the gasket.



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Installation

1. Clean all exhaust connections before reassembly.

2. NOTE

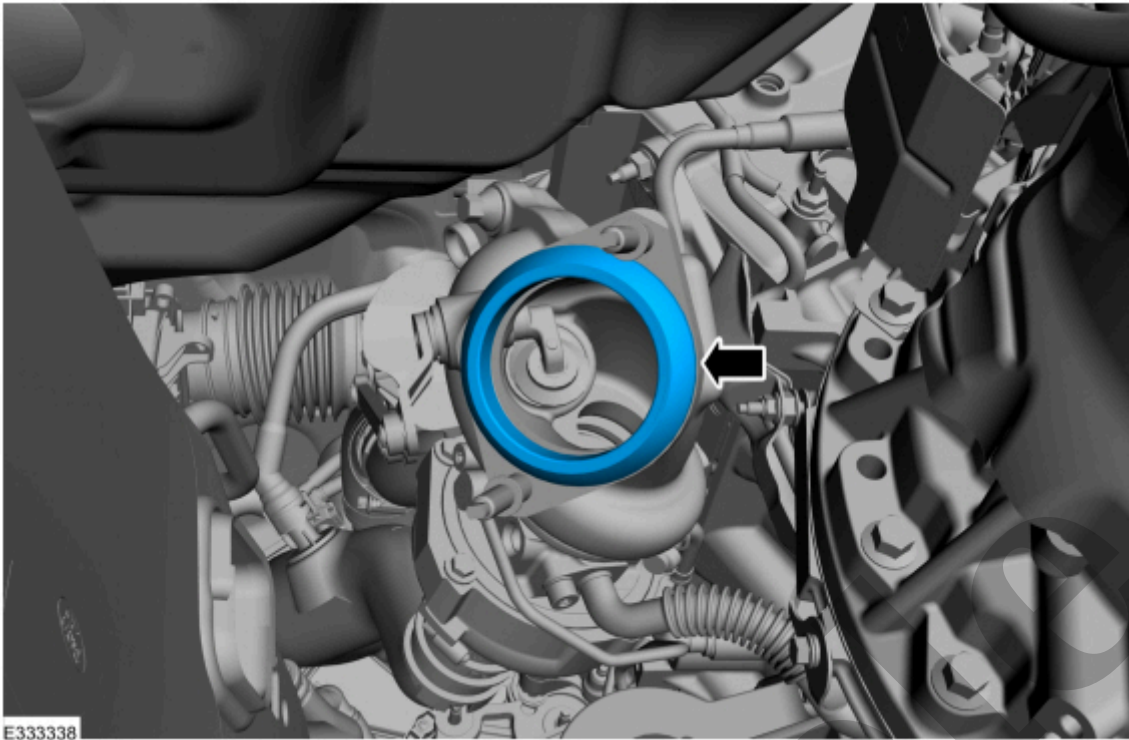
This step is only required if you are replacing with new components.

Apply anti-seize to thread of sensor. Using the special tool, install the HO2S (heated oxygen sensor) and the catalyst monitor sensors.

Use Special Service Tool : 303-476 (T94P-9472-A) Socket, Exhaust Gas Oxygen Sensor

Material : Motorcraft® High Temperature Nickel Anti-Seize Lubricant / XL-2

Torque : 35 lb.ft (48 Nm)



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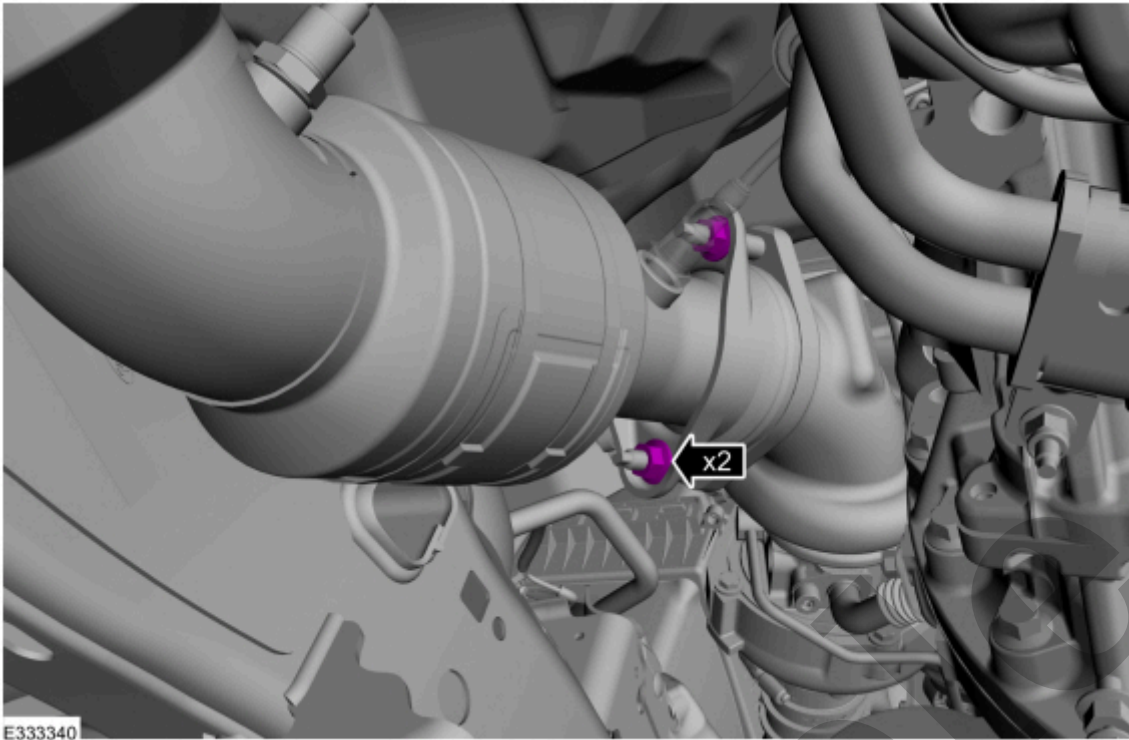
4. **NOTE**

Make sure that new nuts are installed.

NOTE

The nuts and clamp are only finger tight at this step.

Position the LH (left-hand) catalytic converter in vehicle. Install the LH (left-hand) catalytic converter nuts and position in place the clamp.

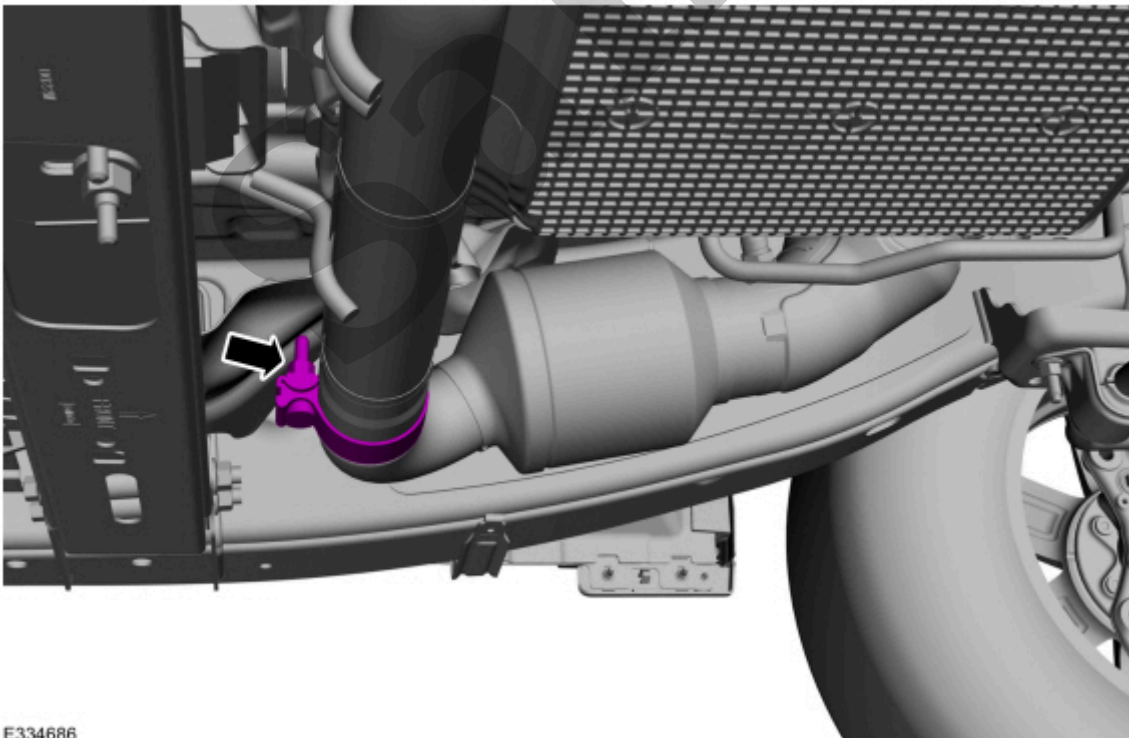


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6. Tighten the clamp.

Torque : 41 lb.ft (55 Nm)



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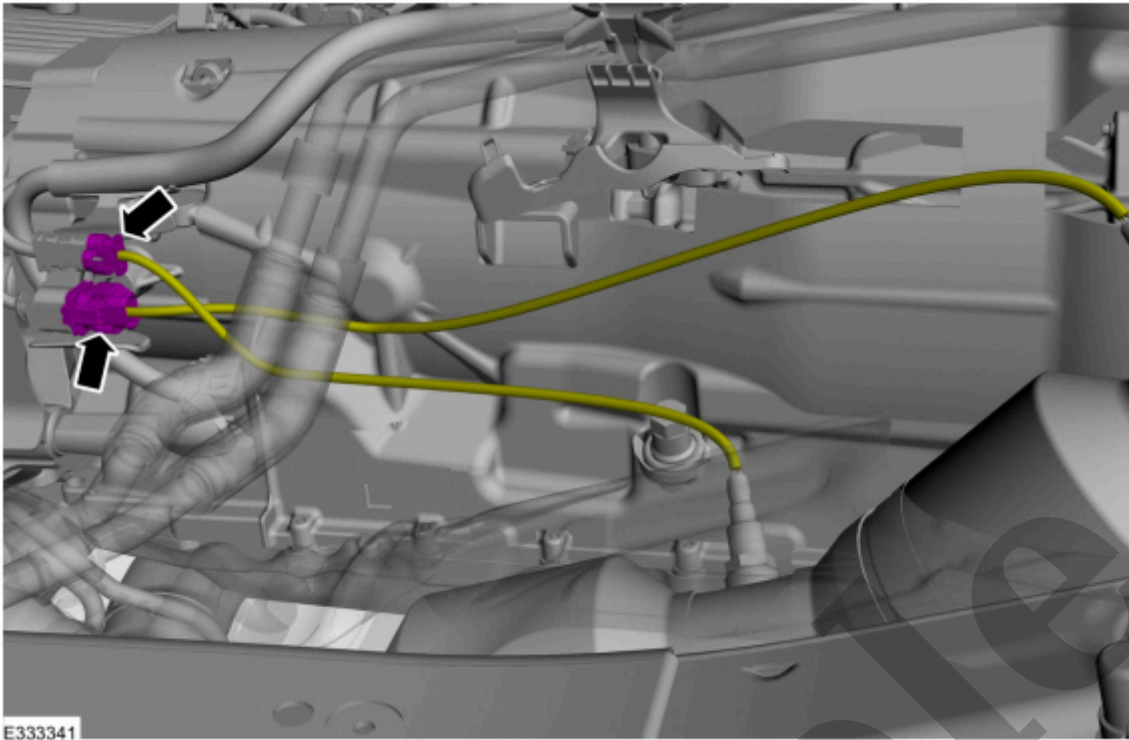
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9. Check the exhaust system for leaks.

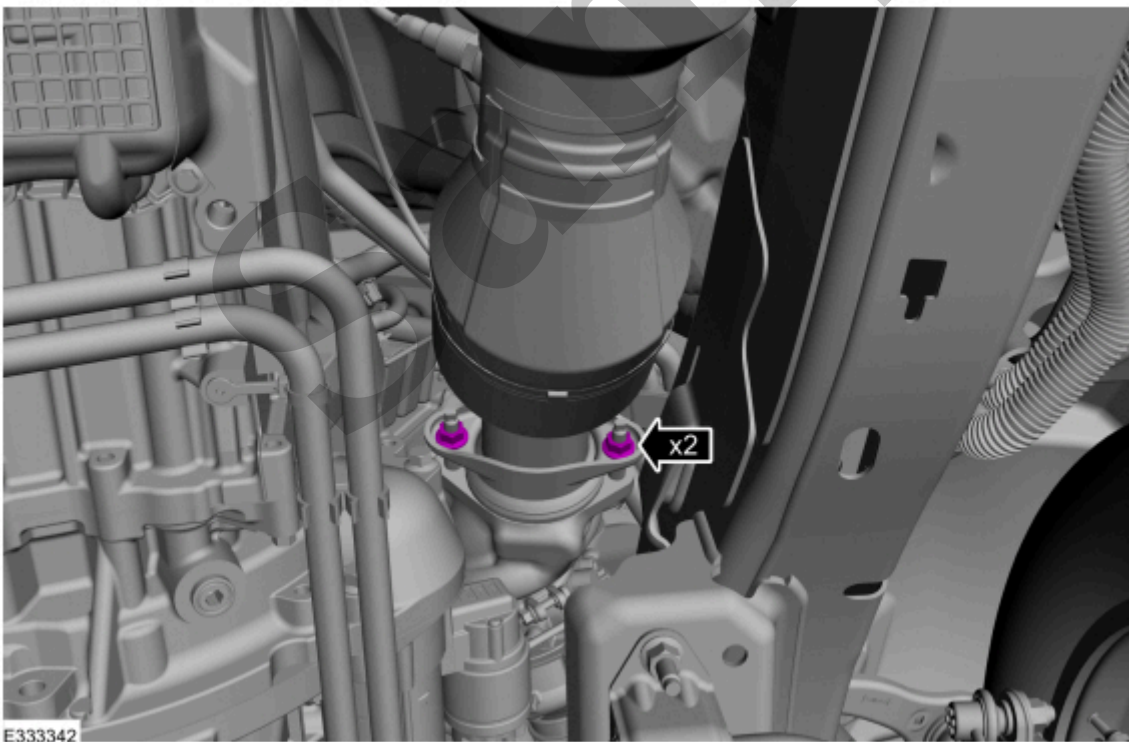
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Sample



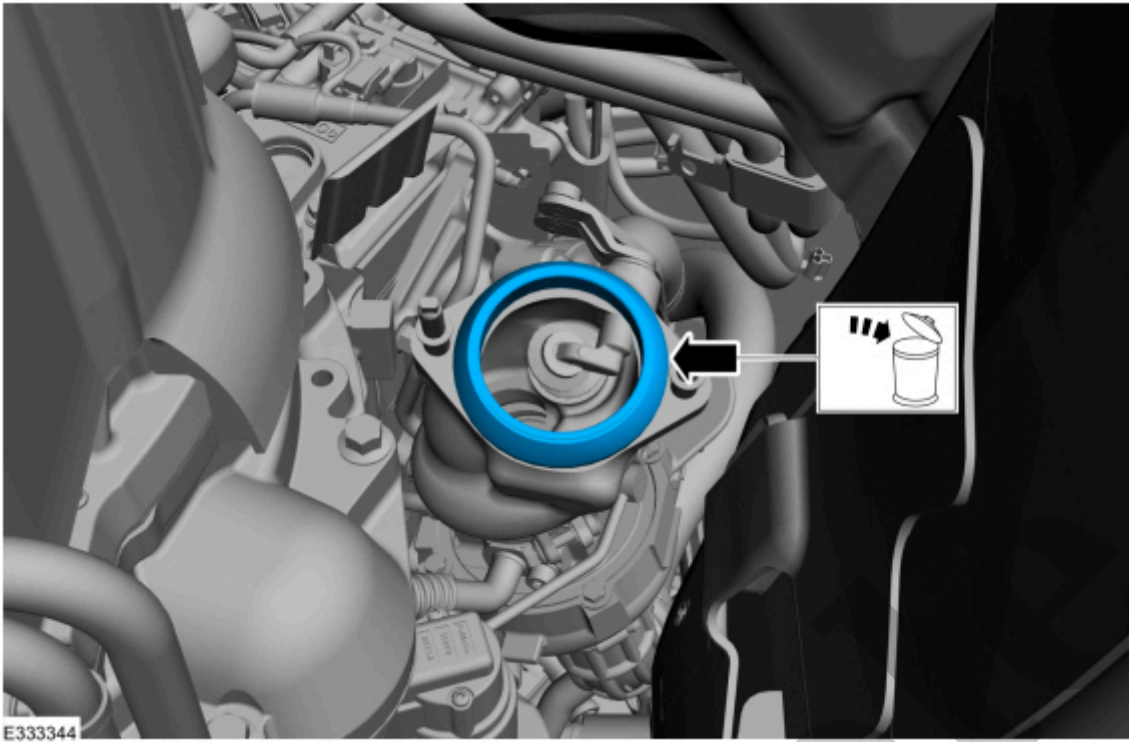
[Click here to learn about symbols, color coding, and icons used in this manual.](#)

5. Loosen the RH (right-hand) catalytic converter nuts.



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6. Remove the transmission support insulator.



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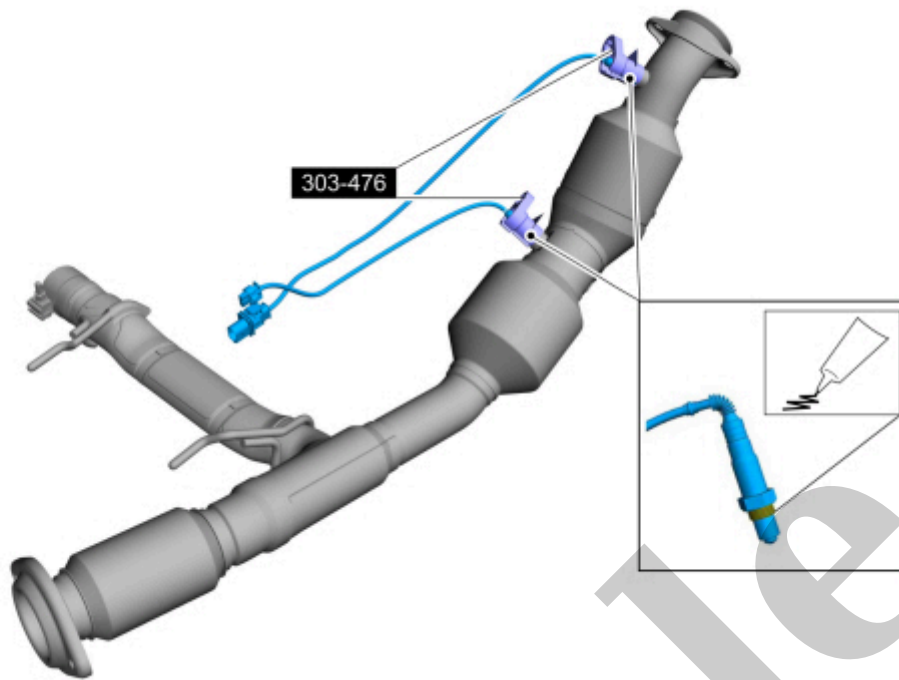
9. **NOTE**

This step is only required if you are replacing with new components.

Apply penetrating oil to sensor. Using the special tool, remove the HO2S (heated oxygen sensor) and the catalyst monitor sensors.

Use Special Service Tool : 303-476 (T94P-9472-A) Socket, Exhaust Gas Oxygen Sensor

Material : Motorcraft® Penetrating and Lock Lubricant / XL-1



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3. **NOTE**

Make sure that new gasket is installed.

Install the new gasket.