

Dual Catalytic Converter Y-Pipe

Special Tool(s) / General Equipment

	303-476 (T94P-9472-A)
	Socket, Exhaust Gas Oxygen Sensor
	TKIT-1994-LM/M
	TKIT-1994-F
TKIT-1994-FLM/FM	

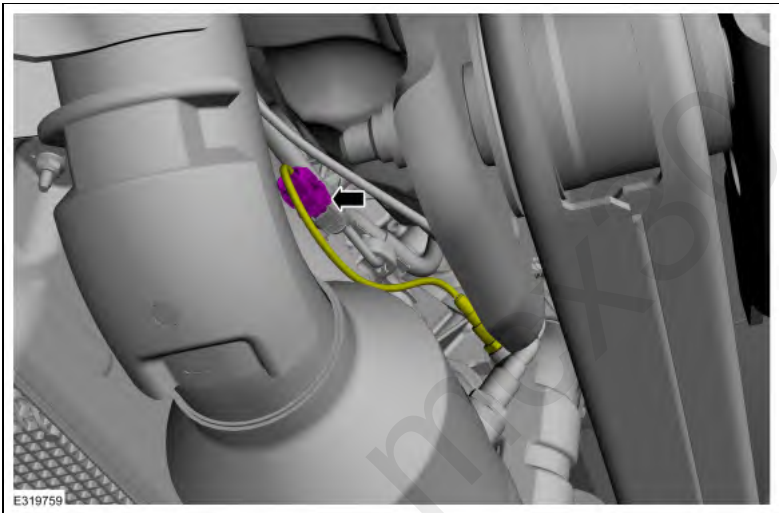
Materials

Name	Specification
Motorcraft® High Temperature Nickel Anti-Seize Lubricant XL-2	-
Motorcraft® Penetrating and Lock Lubricant XL-1	-

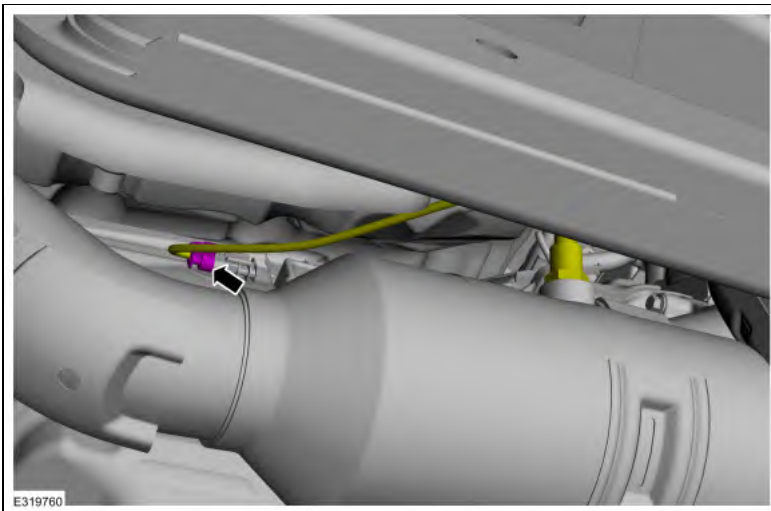
Removal

NOTE: If the exhaust Y-Pipe is not being replaced, the LH and RH HO2S and catalyst monitor sensors do not need to be removed from the exhaust Y-Pipe. Disconnecting the electrical connectors is still necessary.

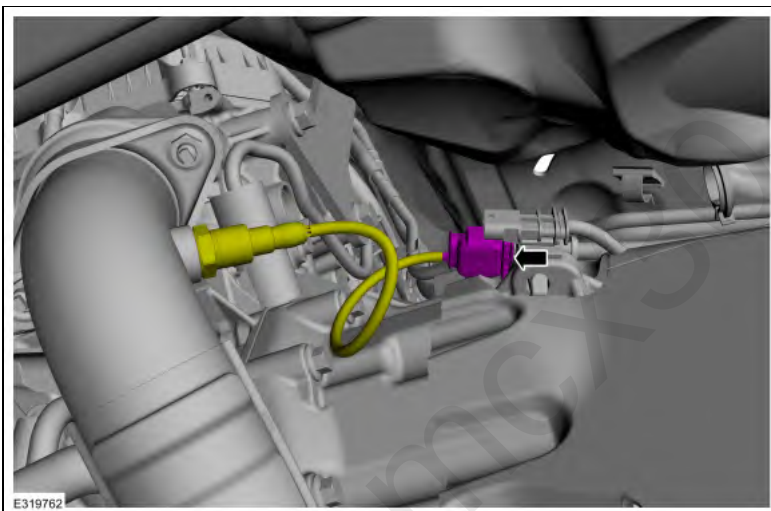
- With the vehicle in NEUTRAL, position it on a hoist.
Refer to: Jacking and Lifting - Overview (100-02 Jacking and Lifting, Description and Operation).
- Disconnect the RH side catalyst monitor sensor electrical connector.



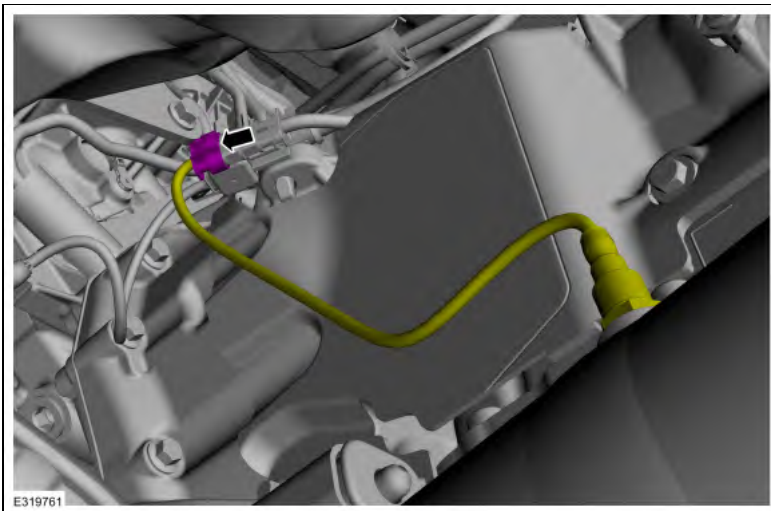
- Disconnect the RH side HO2S electrical connector.



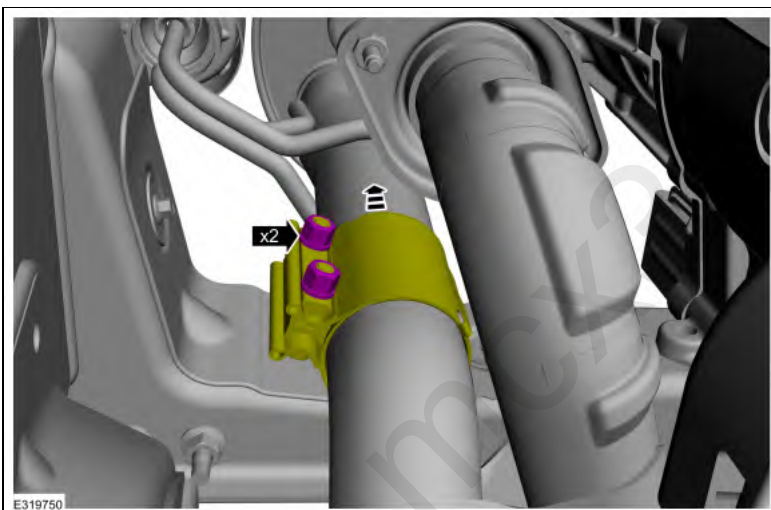
4. Disconnect the LH side catalyst monitor sensor electrical connector.



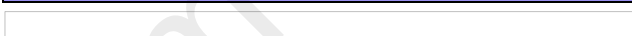
5. Disconnect the LH side HO2S electrical connector.

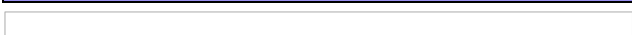


6. Loosen the exhaust Y-pipe-to-resonator pipe clamp.

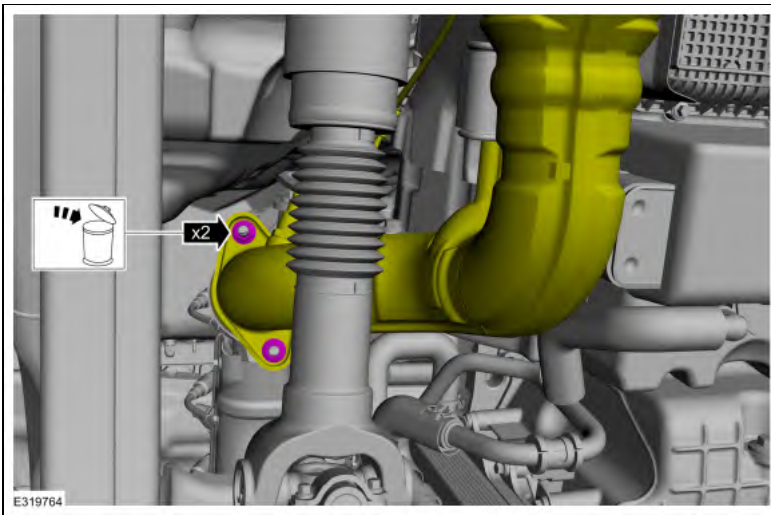


7. Remove and discard the exhaust Y-pipe-to-resonator bolts.

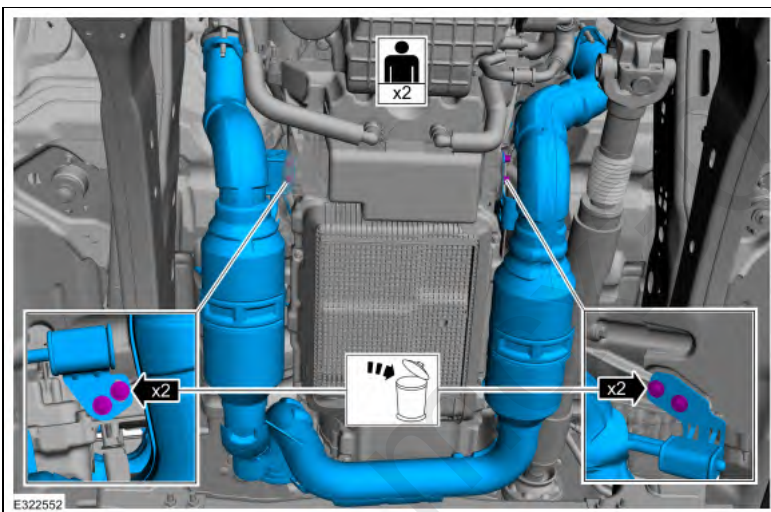




9. Remove and discard the LH exhaust Y-pipe-to-exhaust manifold nuts.

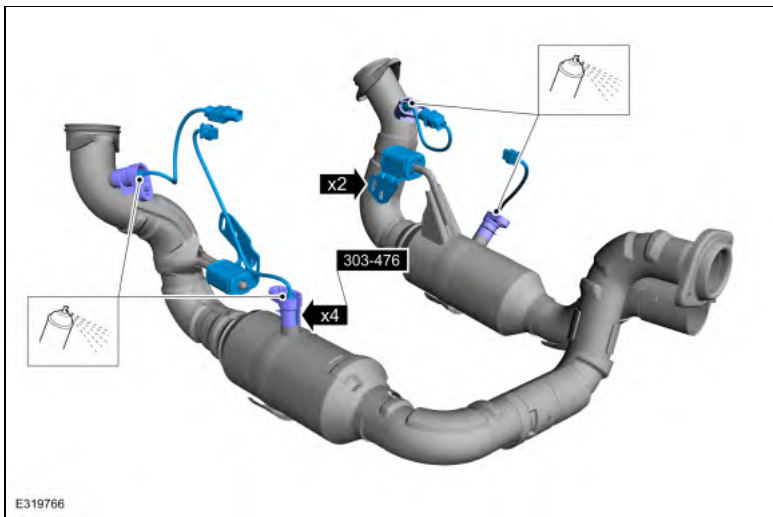


10. Remove and discard the hanger bracket bolts, remove the dual catalytic converter assembly from the vehicle.



11. **NOTE:** The below following step is only required if you are replacing with the new component.

- Remove the isolator hangers.
- Apply penetrating oil to sensor, using the special tool remove the HO2S 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

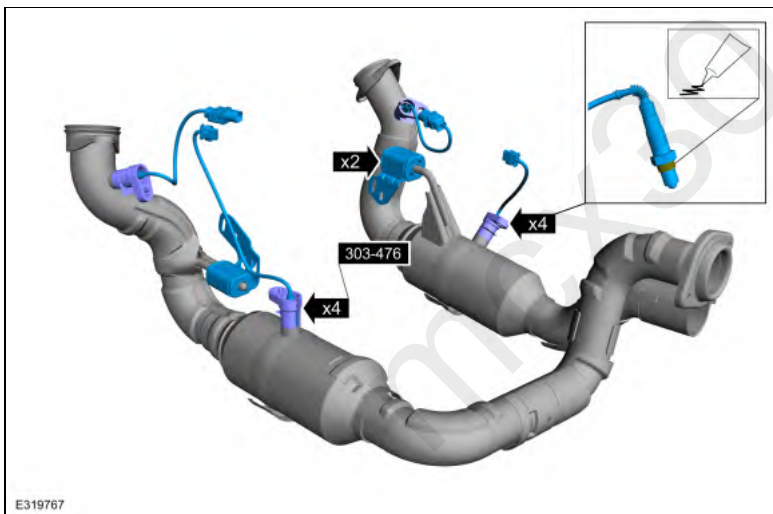


Installation

NOTE: Clean all exhaust connections before reassembly.

1.

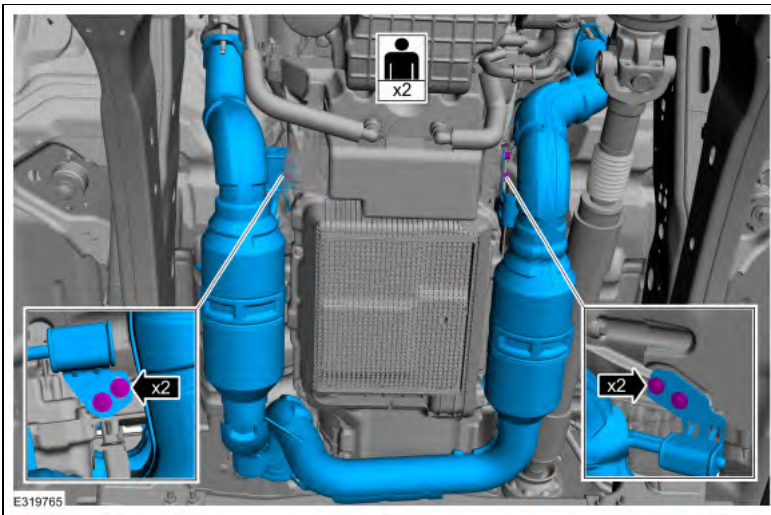
- Install the isolator hangers.
- Apply anti-seize to thread of sensor, Using special tool install the HO2S and the catalyst monitor sensors.
Use Special Service Tool: 303-476 (T94P-9472-A) Socket, Exhaust Gas Oxygen Sensor.
Material: Motorcraft® High Temperature Nickel Anti-Seize Lubricant / XL-2
Torque: 35 lb.ft (48 Nm)



2. **NOTE:** Make sure that new hanger bracket bolts are installed.

NOTE: Do not tighten the bolts until all components are aligned.

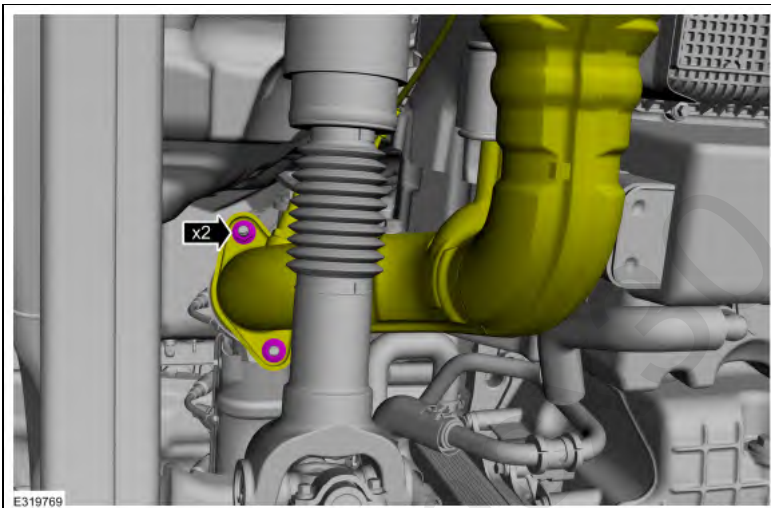
Install the dual catalytic converter assembly and the new hanger bracket bolts.



3. **NOTE:** *Make sure that new nuts are installed.*

NOTE: Do not tighten the nuts until all components are aligned.

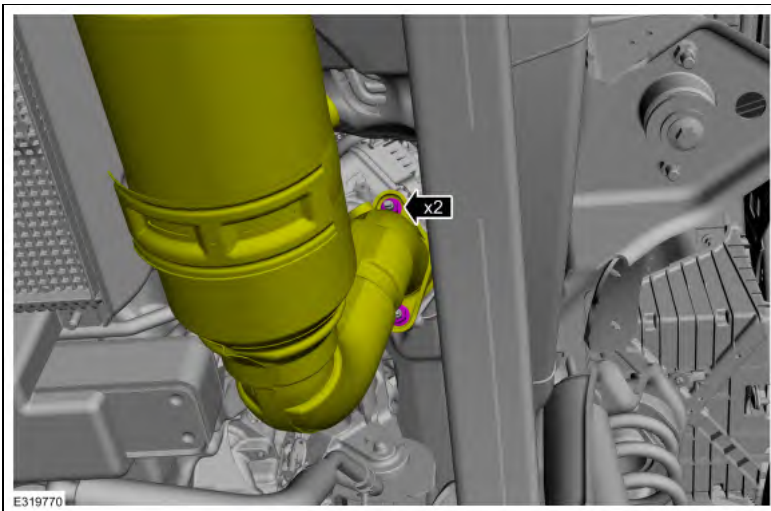
Loosely install the new LH exhaust Y-pipe-to-exhaust manifold nuts.



4. **NOTE:** *Make sure that new nuts are installed.*

NOTE: Do not tighten the nuts until all components are aligned.

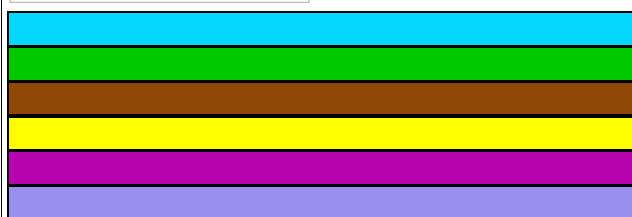
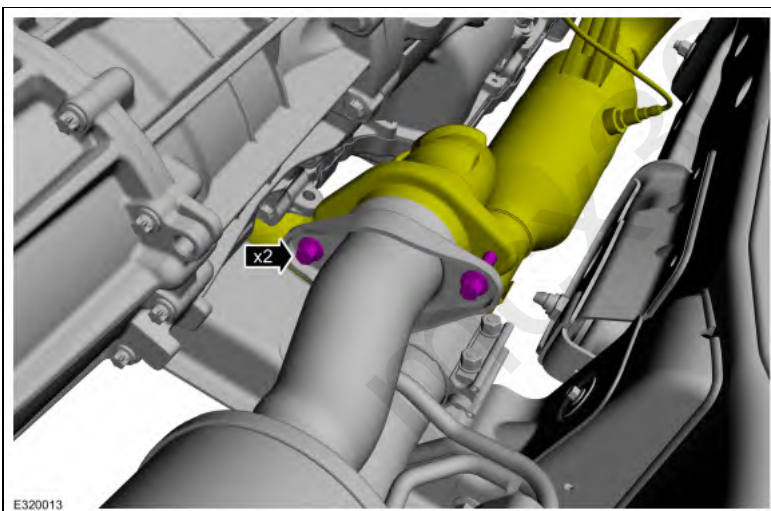
Loosely install the new RH exhaust Y-pipe-to-exhaust manifold nuts.



5. **NOTE:** Make sure that new bolts are installed.

NOTE: Do not tighten the bolts until all components are aligned.

Install the new exhaust Y-pipe-to-resonator bolts.



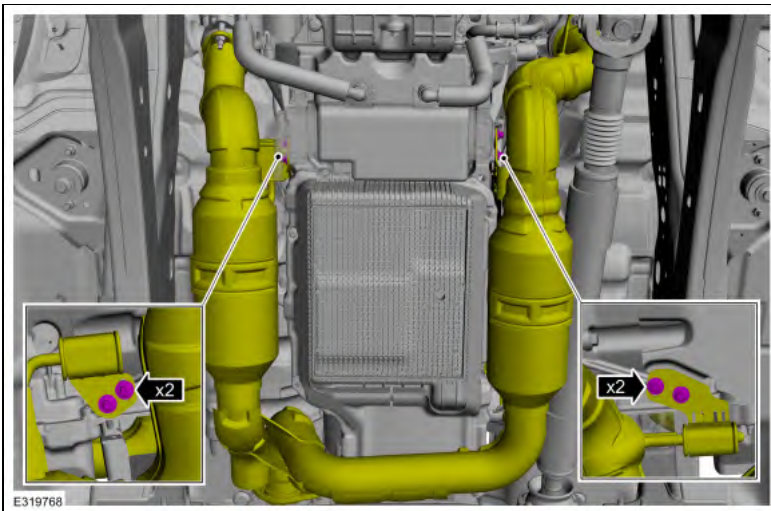
6. Evenly tighten the RH exhaust Y-pipe-to-exhaust manifold nuts.
Torque: 30 lb.ft (40 Nm)



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- A diagram showing a vertical stack of six colored rectangles. From top to bottom, the colors are cyan, green, brown, yellow, purple, and blue. A small diamond icon is positioned to the left of the top cyan rectangle.



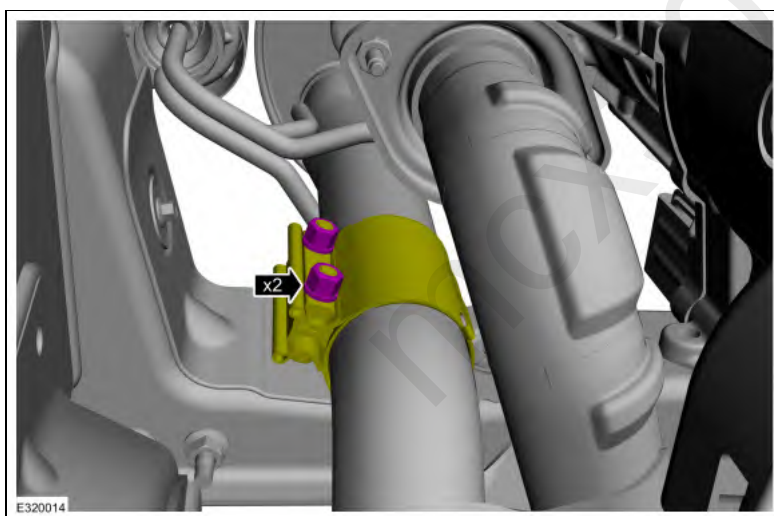
8. Tighten the hanger bracket bolts.
Torque: 18 lb.ft (25 Nm)



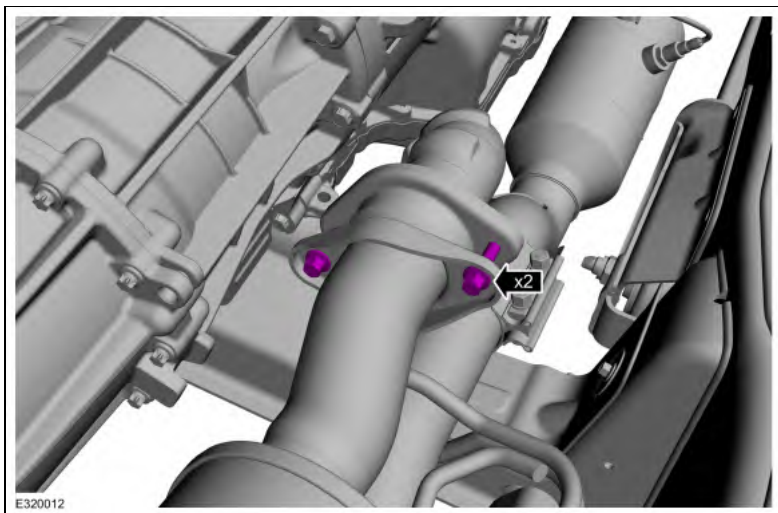
9. **NOTE:** *Install new clamp if necessary.*

Tighten the clamp.

Torque: 35 lb.ft (48 Nm)



10. Evenly tighten the exhaust Y-pipe-to-resonator bolts.
Torque: 30 lb.ft (40 Nm)



11. To install, reverse the removal procedure.
12. Check the exhaust system for leaks.

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