

Exhaust Y-Pipe - Chassis Cab

Special Tool(s) / General Equipment

 E172696	303-476 (T94P-9472-A)
	Socket, Exhaust Gas Oxygen Sensor
	TKIT-1994-LM/M
	TKIT-1994-F TKIT-1994-FLM/FM

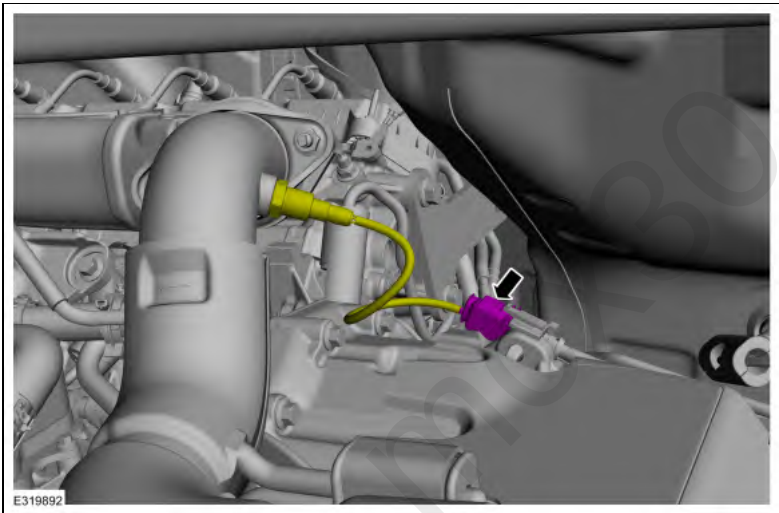
Materials

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

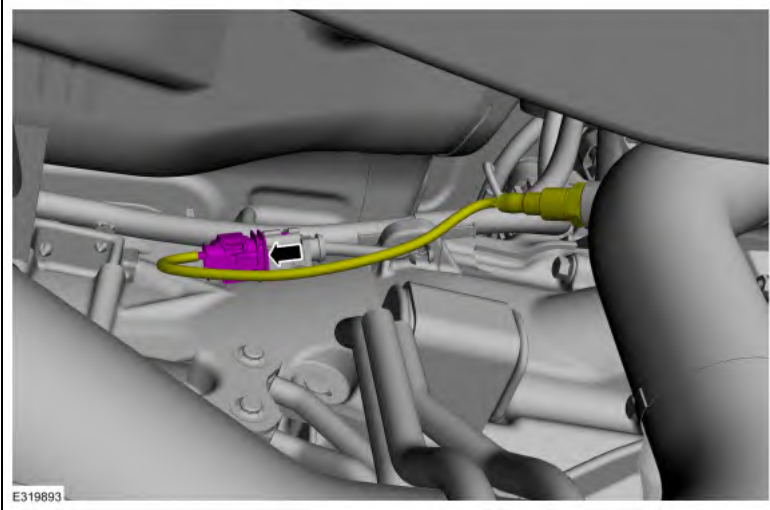
Removal

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

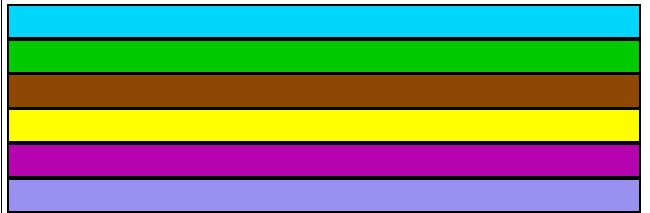
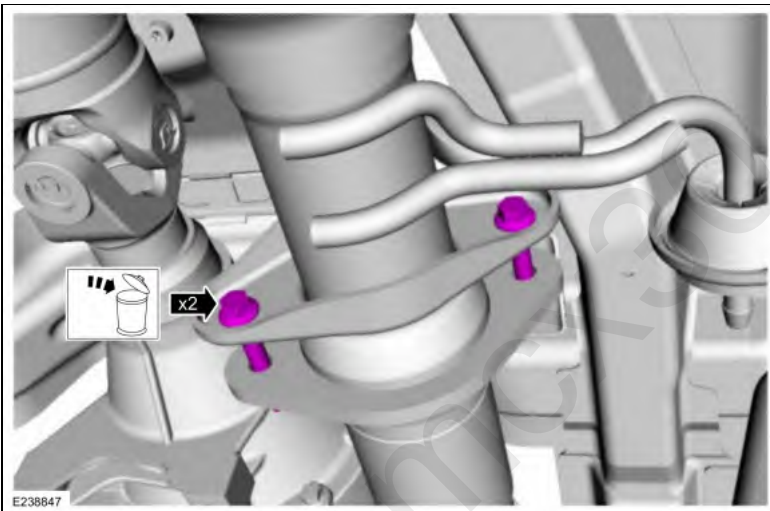
- With the vehicle in NEUTRAL, position it on a hoist.
Refer to: Jacking and Lifting - Overview (100-02 Jacking and Lifting, Description and Operation).
- Disconnect the LH side HO2S electrical connector.



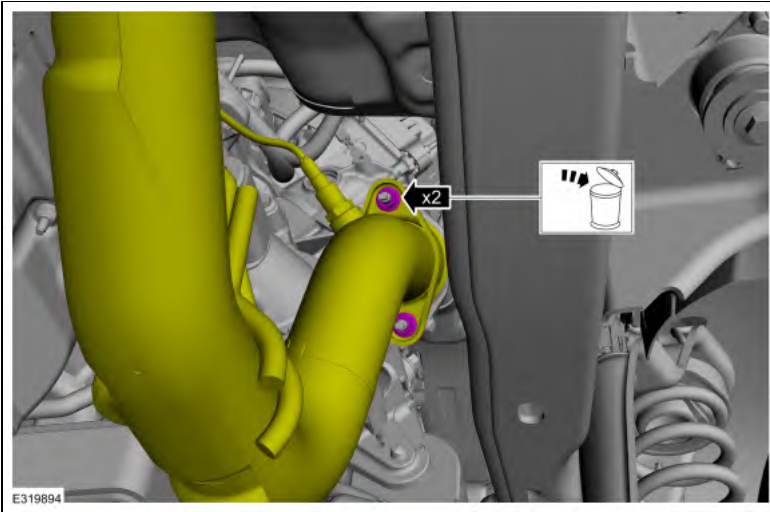
- Disconnect the RH side HO2S electrical connector.



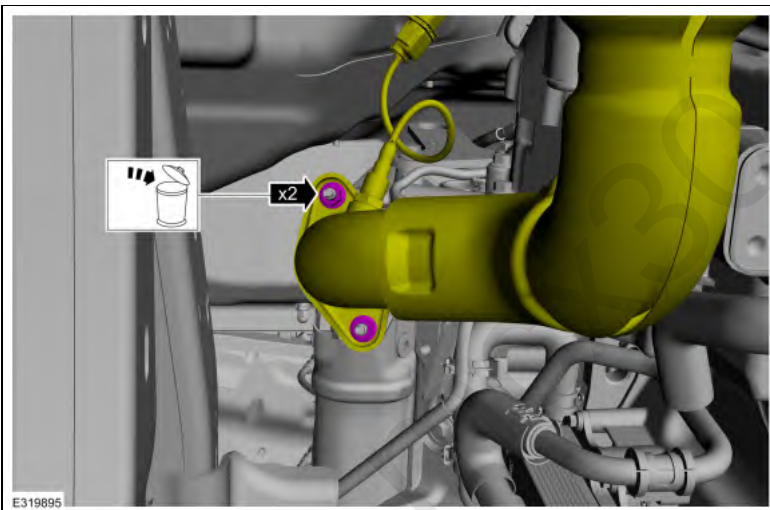
4. Remove and discard the exhaust Y-pipe-to-catalytic converter bolts.



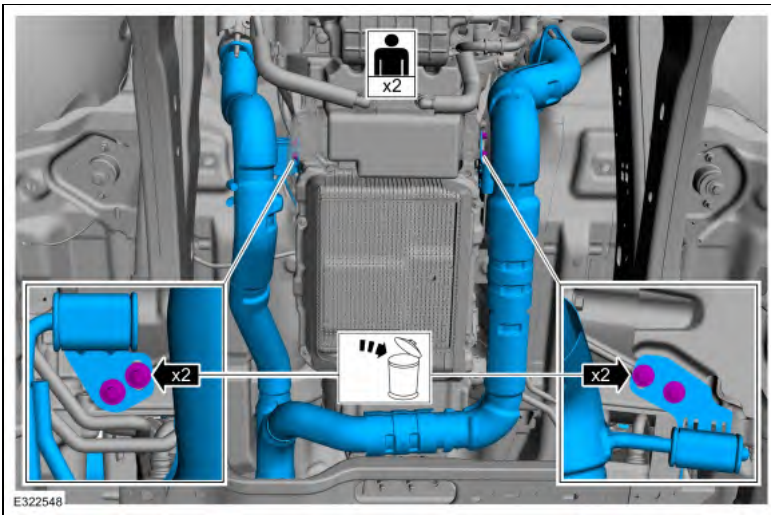
5. Remove and discard the RH exhaust Y-pipe-to-exhaust manifold nuts.



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

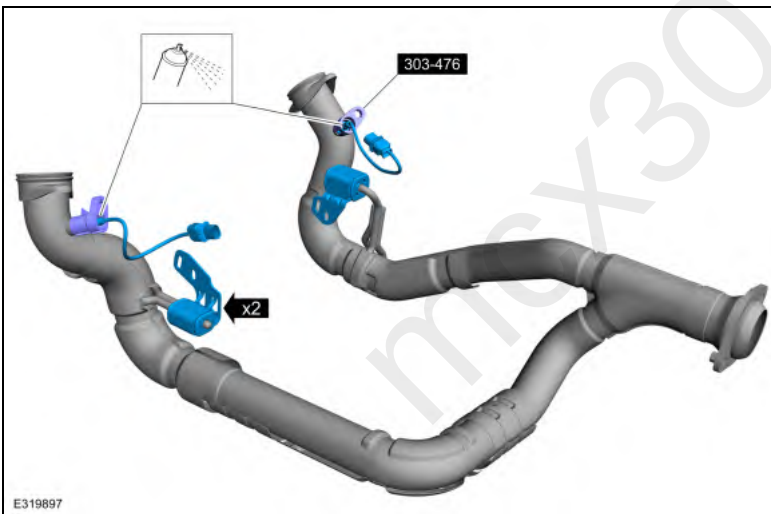


7. Remove and discard the hanger bracket bolts, remove the exhaust Y-pipe assembly from the vehicle.



8. **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.
Use Special Service Tool: 303-476 (T94P-9472-A) Socket, Exhaust Gas Oxygen Sensor.
Material: Motorcraft® Penetrating and Lock Lubricant / XL-1

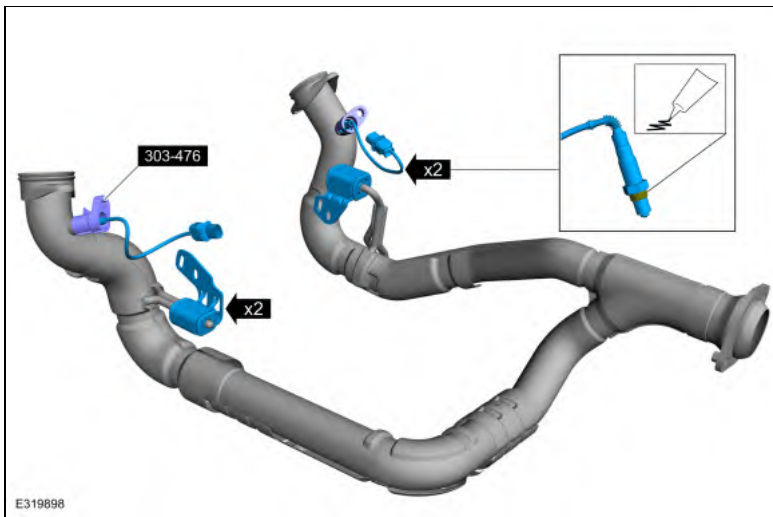


Installation

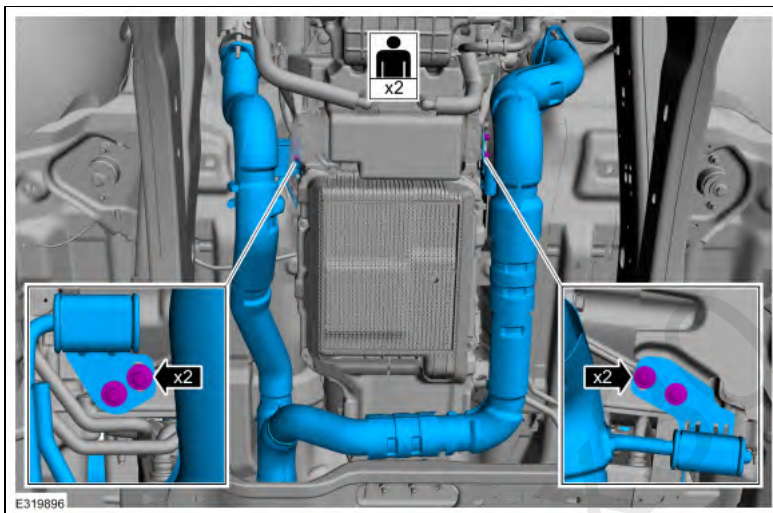
NOTE: If installing a new system, transfer the exhaust Y-pipe isolator hangers to new Exhaust system.

NOTE: Clean all exhaust connections before reassembly.

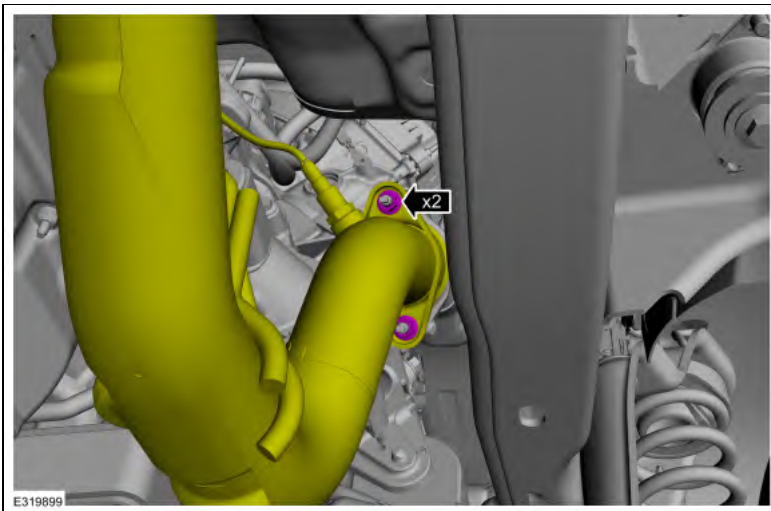
1.
 - Install the isolator hangers.
 - Apply anti-seize to thread of sensor, Using special tool install the HO2S.
Use Special Service Tool: 303-476 (T94P-9472-A) Socket, Exhaust Gas Oxygen Sensor.
Material: Motorcraft® High Temperature Nickel Anti-Seize Lubricant / XL-2
Torque: 35 lb.ft (48 Nm)



2. **NOTE:** Make sure that new hanger bracket bolts are installed.
- NOTE:** Do not tighten the bolts until all components are aligned.
- Install the exhaust Y-pipe assembly and the hanger bracket bolts.



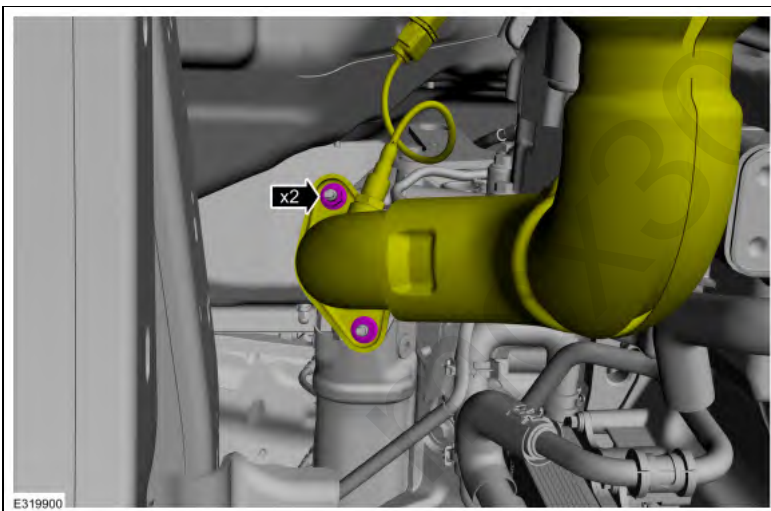
3. **NOTE:** Make sure that new nuts are installed.
- NOTE:** Do not tighten the nuts until all components are assembled.
- Loosely install the new RH exhaust Y-pipe-to exhaust manifold nuts.



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

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

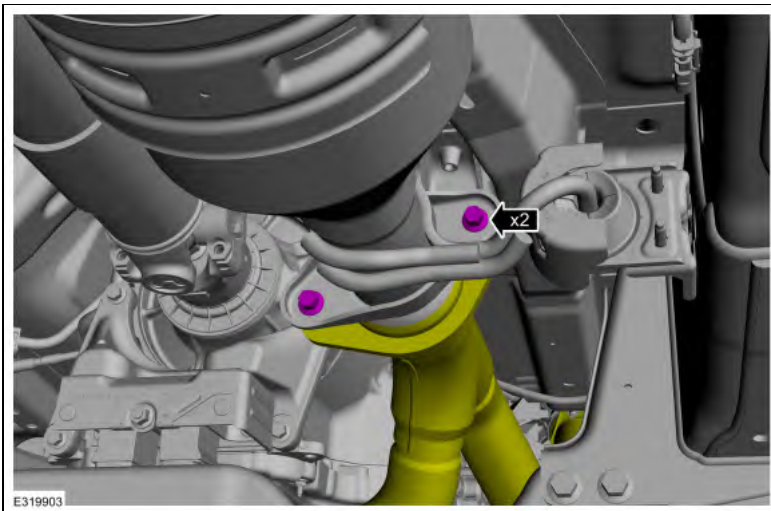
Loosely install the new LH exhaust Y-pipe-to-exhaust manifold nuts.



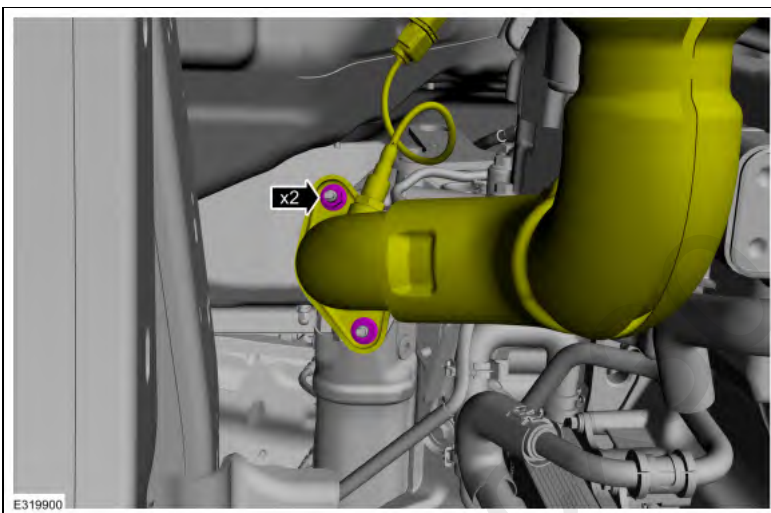
5. **NOTE:** Make sure that new bolts are installed.

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

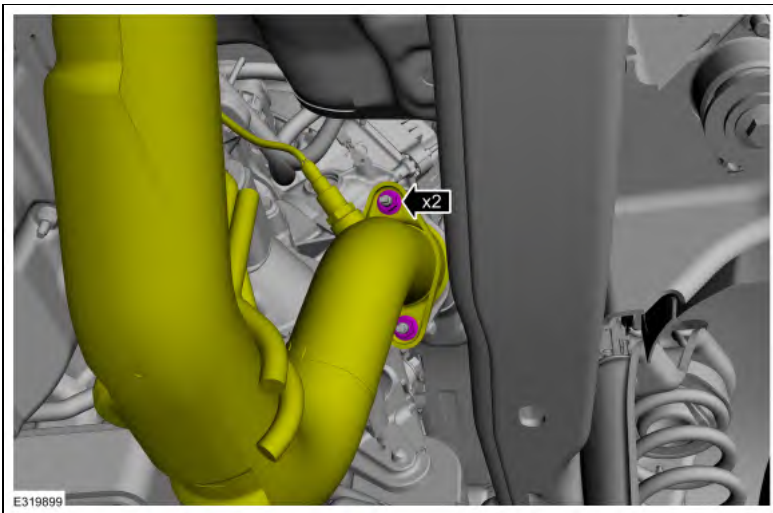
Install the new bolts.



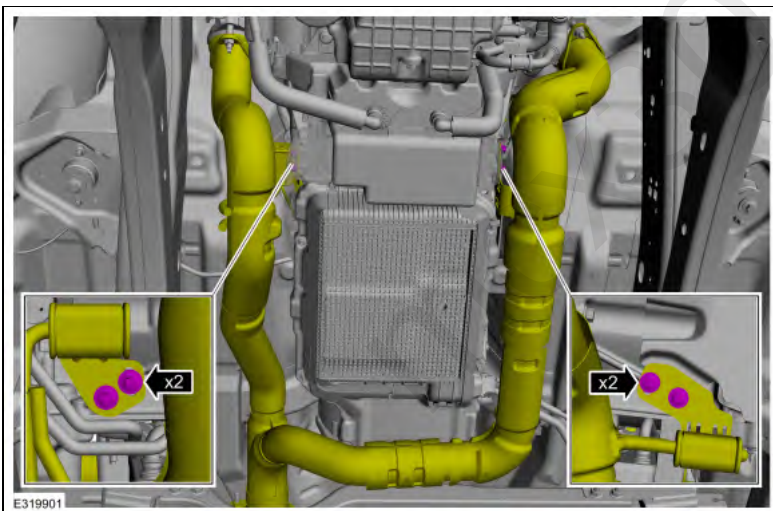
6. Evenly tighten the LH exhaust Y-pipe-to-exhaust manifold nuts.
Torque: 30 lb.ft (40 Nm)



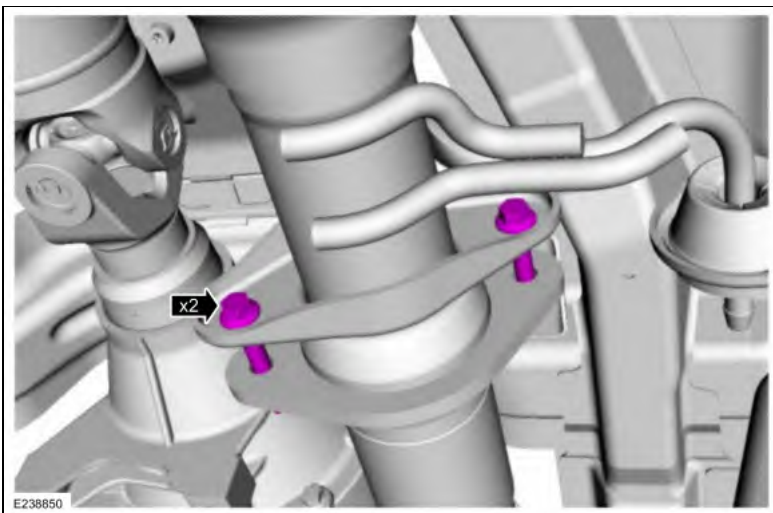
7. Evenly tighten the RH exhaust Y-pipe-to-exhaust manifold nuts.
Torque: 30 lb.ft (40 Nm)



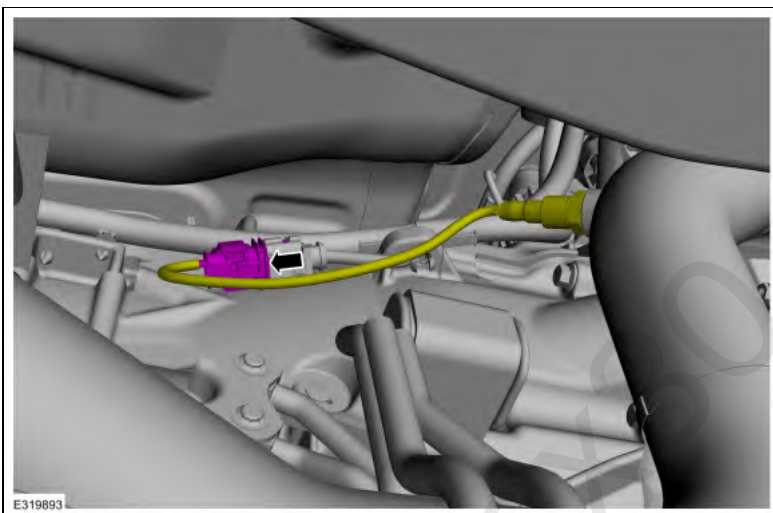
8. Tighten the hanger bracket bolts.
Torque: 18 lb.ft (25 Nm)



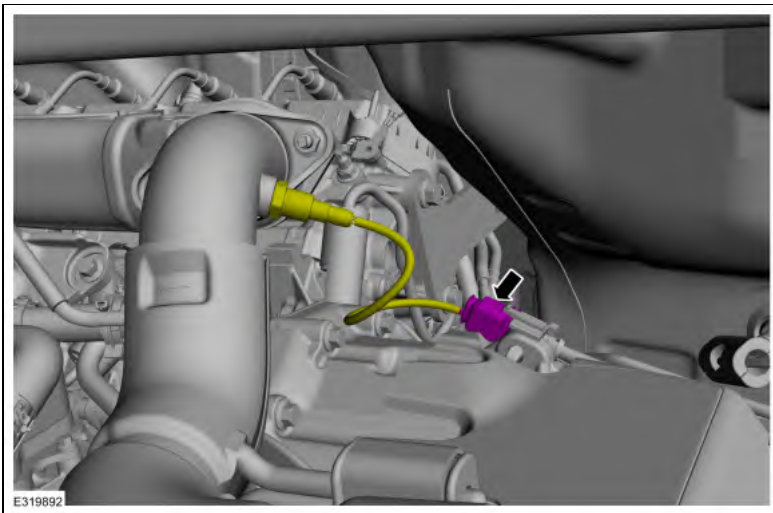
9. Evenly tighten the exhaust Y-pipe-to-catalytic converter bolts.
Torque: 30 lb.ft (40 Nm)



10. Connect the RH side HO2S electrical connector.



11. Connect the LH side HO2S electrical connector.



12. Check the exhaust system for leaks.
