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2017 Ford Flex Service and Repair Manual

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Catalytic Converter RH

309-00A Exhaust System - 2.7L EcoBoost (238kW/324PS)	2022 F-150
Removal and Installation	Procedure revision date: 07/22/2020

Catalytic Converter RH

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. Remove the LH catalytic converter.

Refer to: [Catalytic Converter LH](#)(309-00A Exhaust System - 2.7L EcoBoost (238kW/324PS), Removal and Installation).

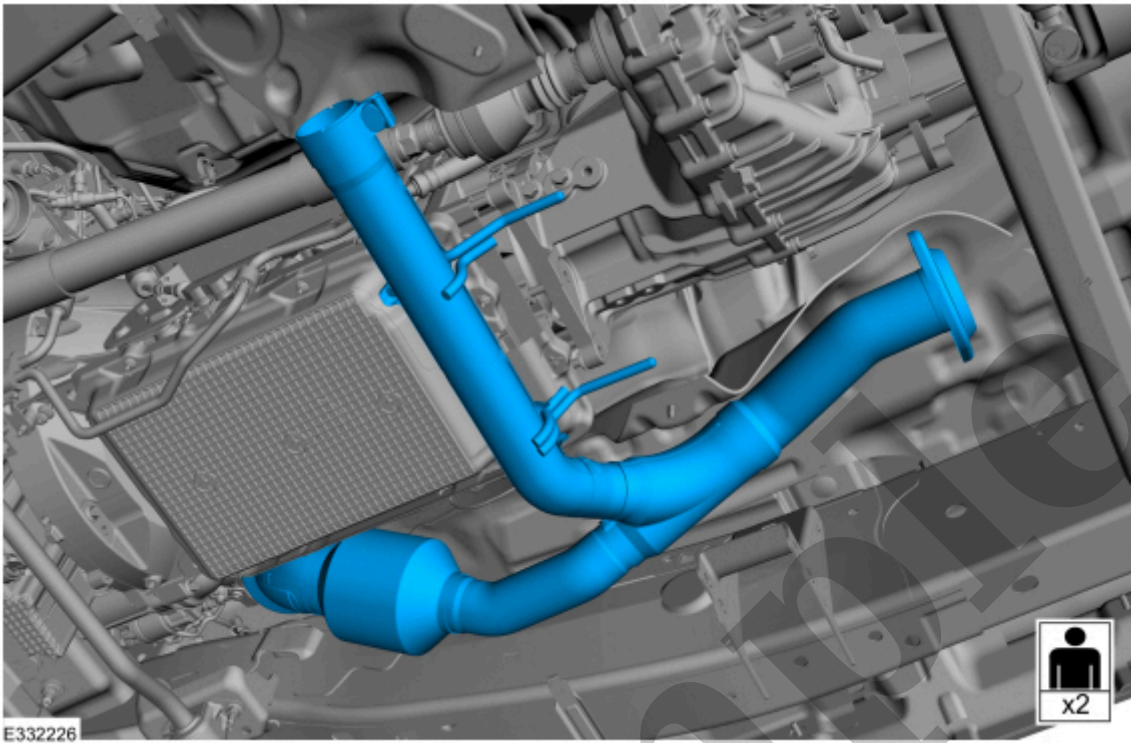
3. Remove the muffler inlet pipe.

Refer to: [Muffler Inlet Pipe](#)(309-00A Exhaust System - 2.7L EcoBoost (238kW/324PS), Removal and Installation).

4. Disconnect the electrical connectors and detach the wire clips.

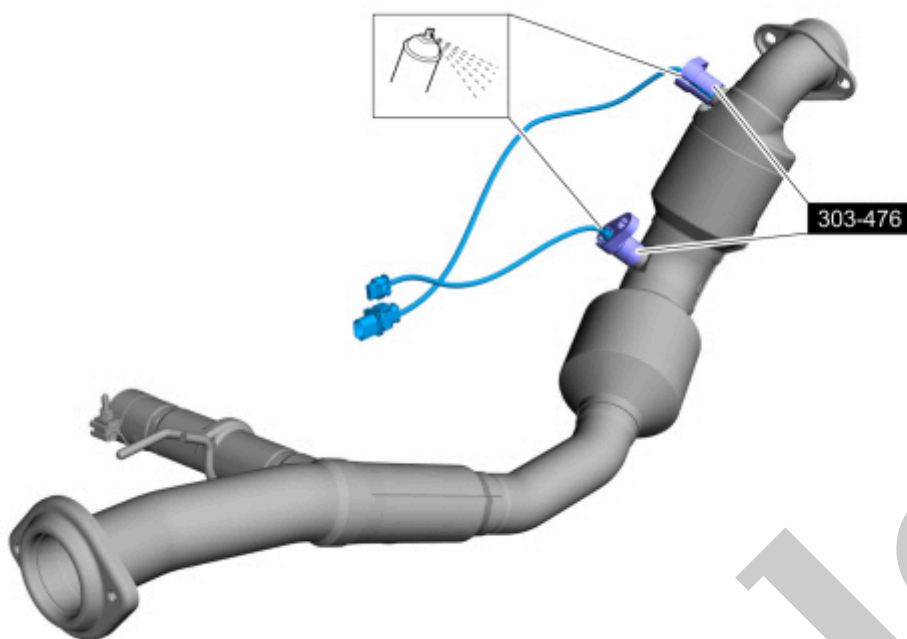
Refer to: [Transmission Support Insulator](#)(307-01A Automatic Transmission - 10-Speed Automatic Transmission – 10R80, Removal and Installation).

7. Remove the RH (right-hand) catalytic converter.



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

8. Remove and discard the gasket.



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Installation

1. Clean all exhaust connections before reassembly.

2. NOTE

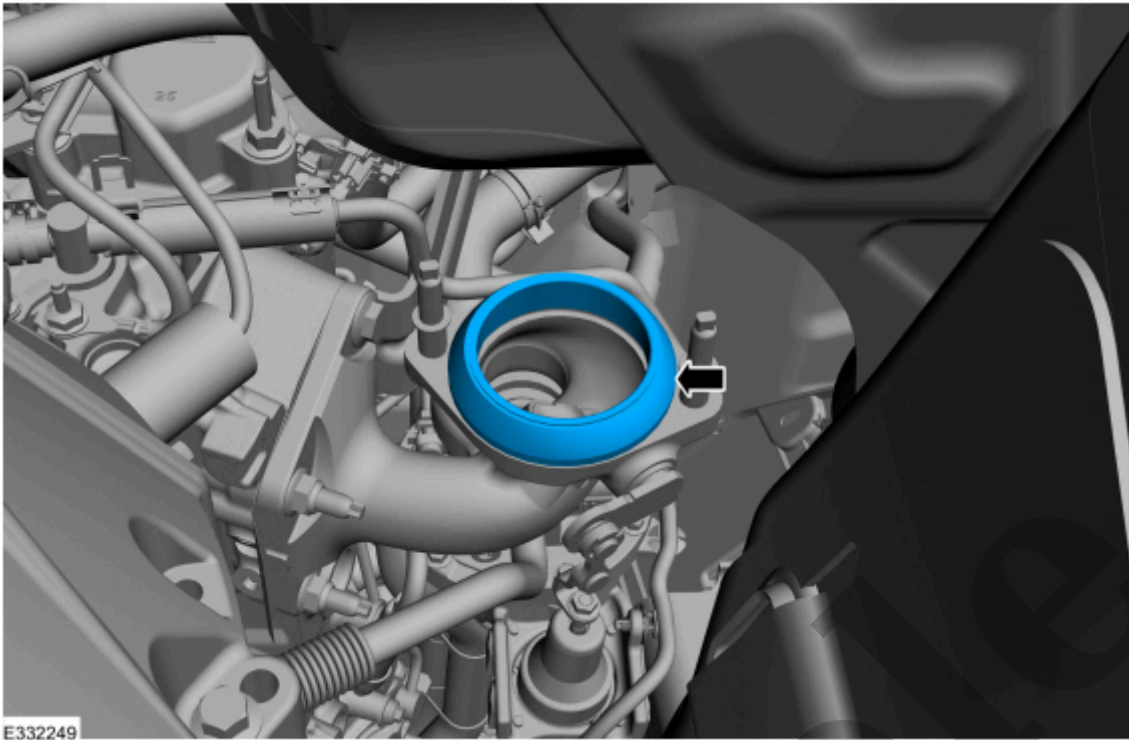
This step is only required if you are replacing with new components.

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)

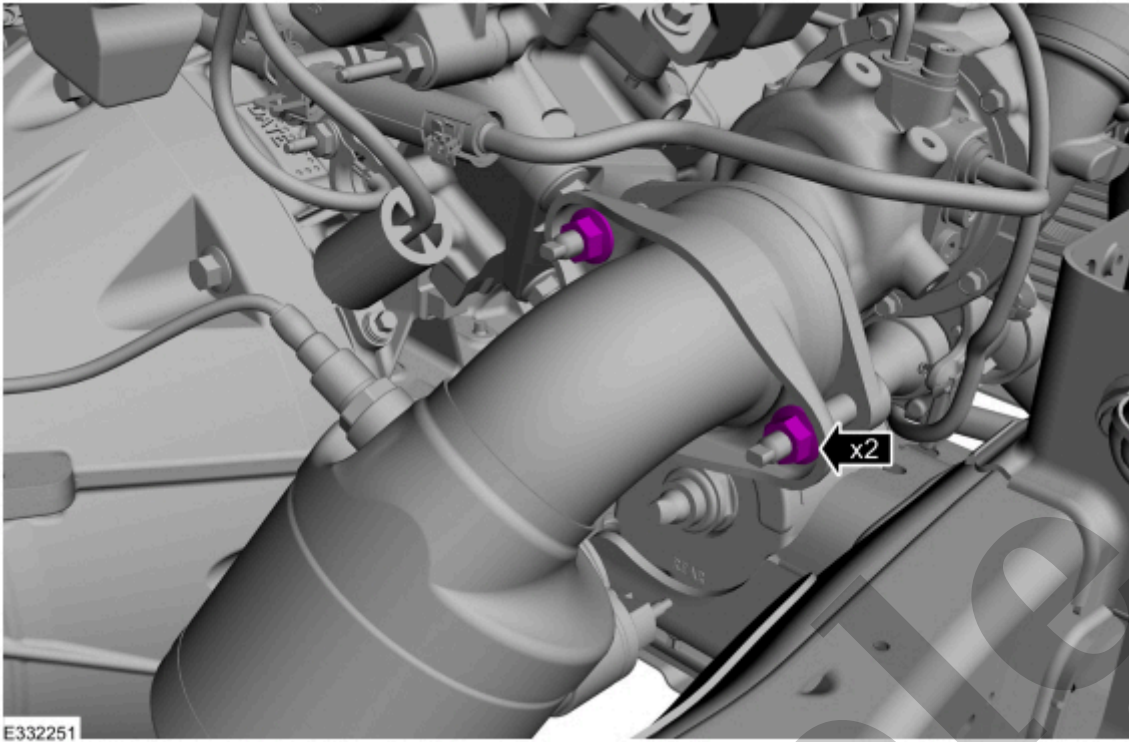


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4. **NOTE**

Loosely install the new RH (right-hand) catalytic converter nuts. Do not tighten at this time.

Position the RH (right-hand) catalytic converter in vehicle with a new gasket. Loosely install the RH (right-hand) catalytic converter nuts.



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

7. Install the LH catalytic converter.

Refer to: [Catalytic Converter LH\(309-00A Exhaust System - 2.7L EcoBoost \(238kW/324PS\), Removal and Installation\)](#).

8. Connect the electrical connectors and attach the wire clips.

Muffler and Tailpipe

309-00A Exhaust System - 2.7L EcoBoost (238kW/324PS)	2022 F-150
Removal and Installation	Procedure revision date: 07/24/2020

Muffler and Tailpipe

Removal

NOTE

Muffler and tailpipe assemblies will vary in configuration with different wheelbases and powertrains. Typical application shown.

NOTE

Removal steps in this procedure may contain installation details.

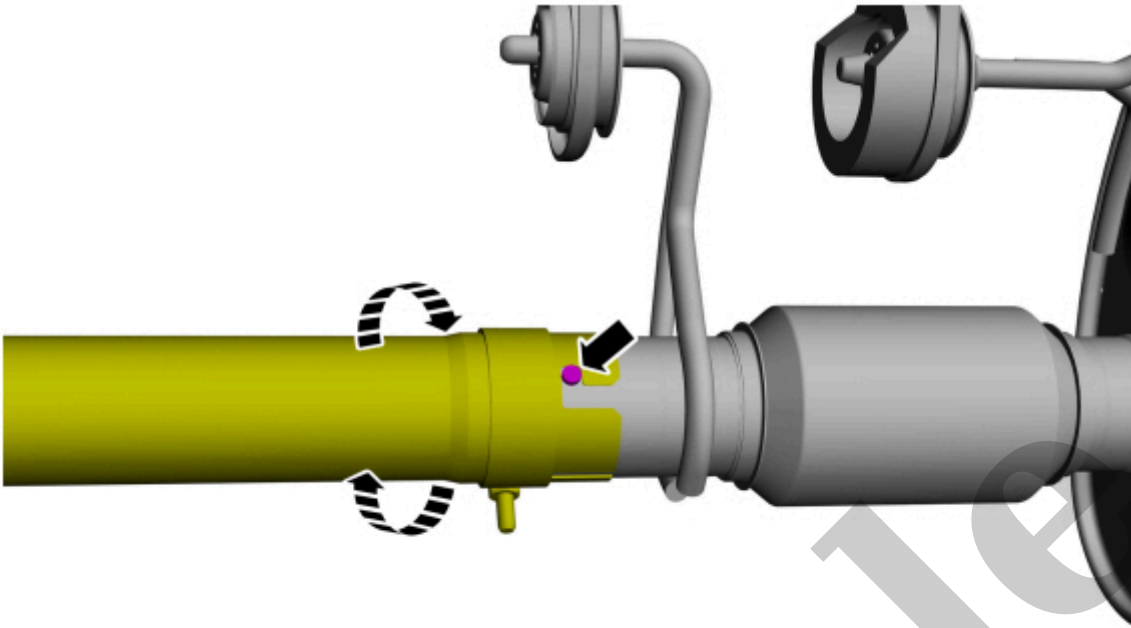
1. With the vehicle in NEUTRAL, position it on a hoist.

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

2. Loosen the clamp.

Torque : 41 lb.ft (55 Nm)

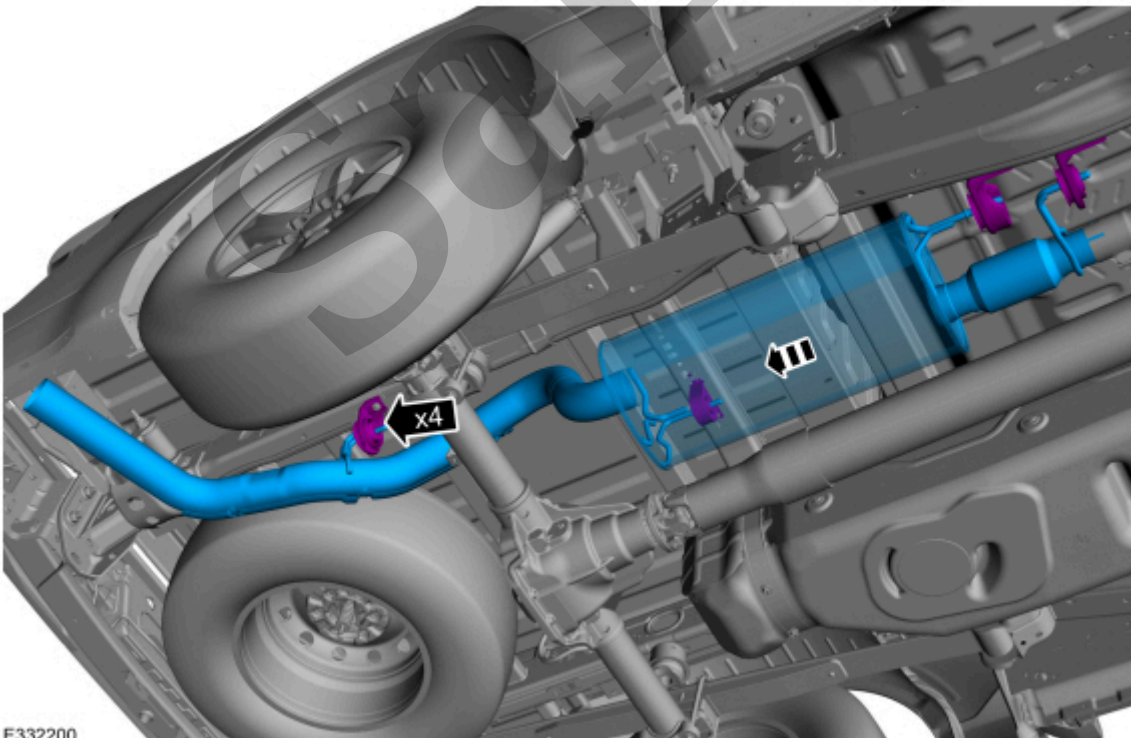
4. Rotate the muffler inlet pipe to allow the muffler and tailpipe assembly to be released.



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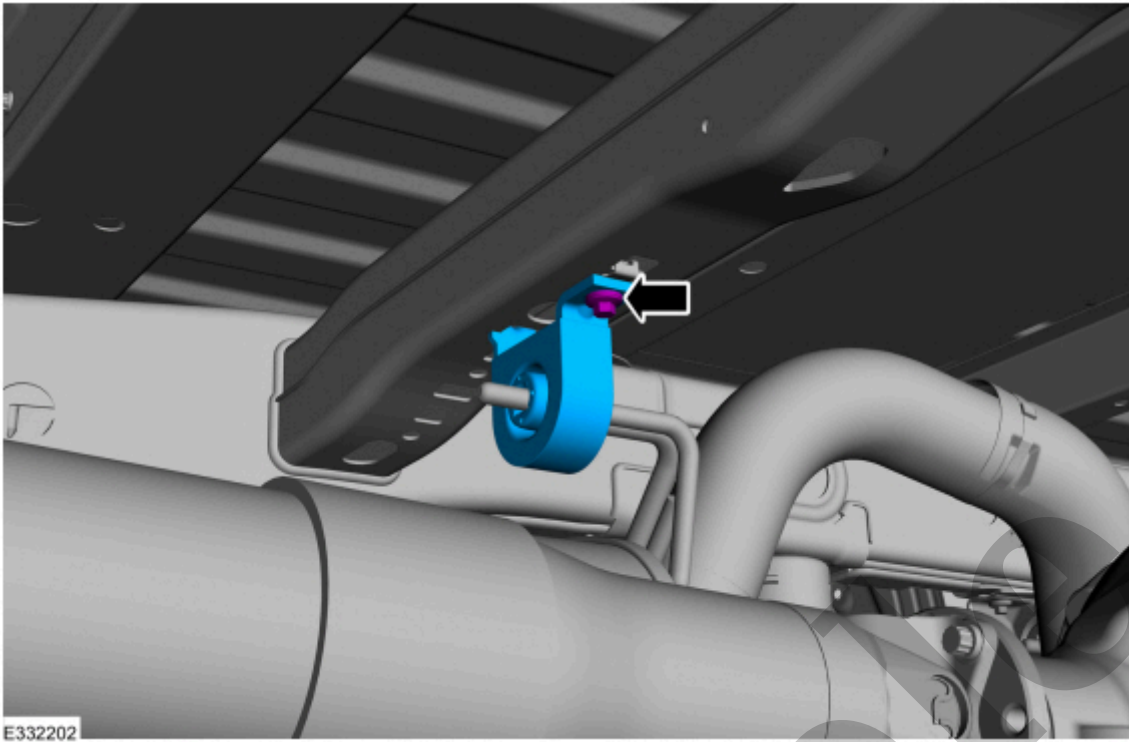
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5. Slide the muffler and tailpipe rearward out of the isolators and remove the muffler and tailpipe.



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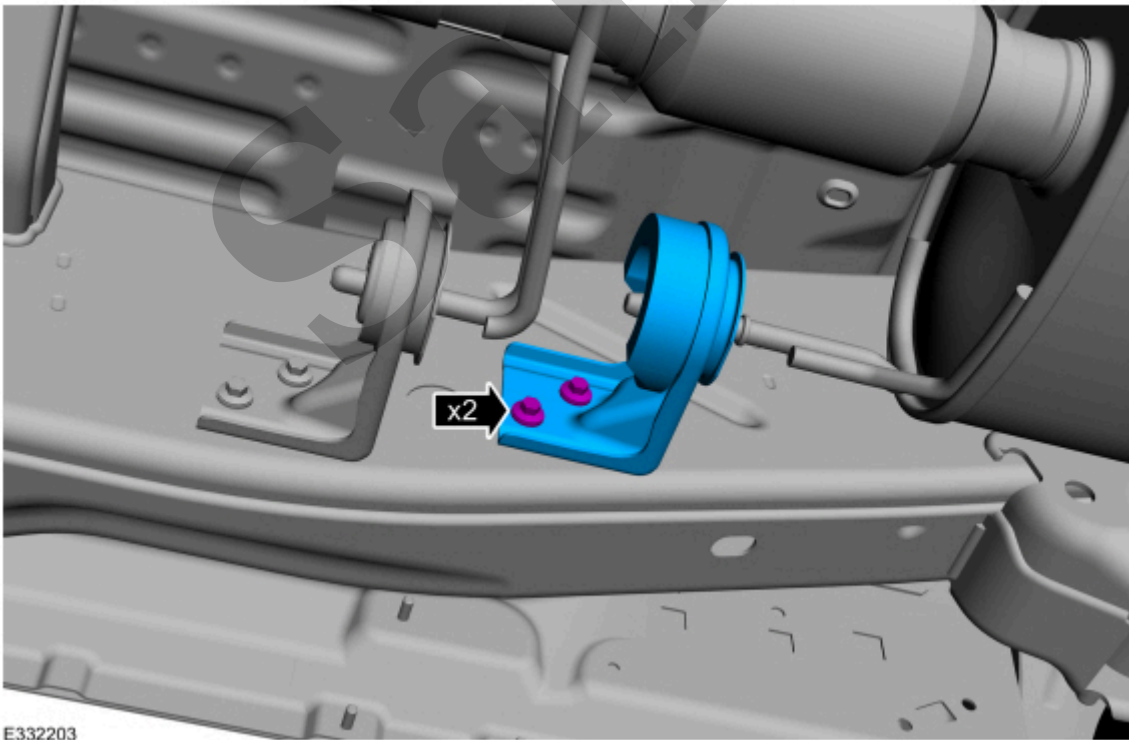
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8. Remove the bolts and the isolator.

Torque : 22 lb.ft (30 Nm)



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Muffler Inlet Pipe

309-00A Exhaust System - 2.7L EcoBoost (238kW/324PS)	2022 F-150
Removal and Installation	Procedure revision date: 07/22/2020

Muffler Inlet Pipe

Removal

NOTE

Muffler inlet pipes will vary in configuration with different wheelbases and powertrains. Typical application shown.

NOTE

Removal steps in this procedure may contain installation details.

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. Loosen the clamp.

Torque : 41 lb.ft (55 Nm)