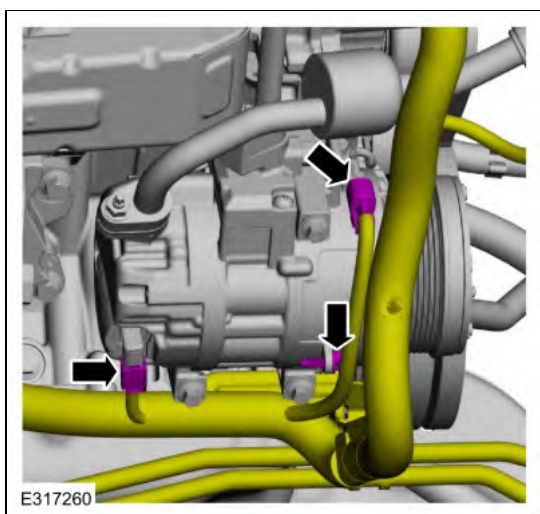


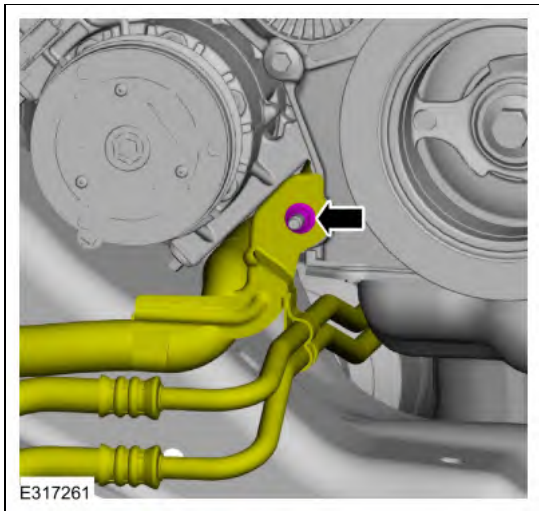
Exhaust Manifold RH

Removal

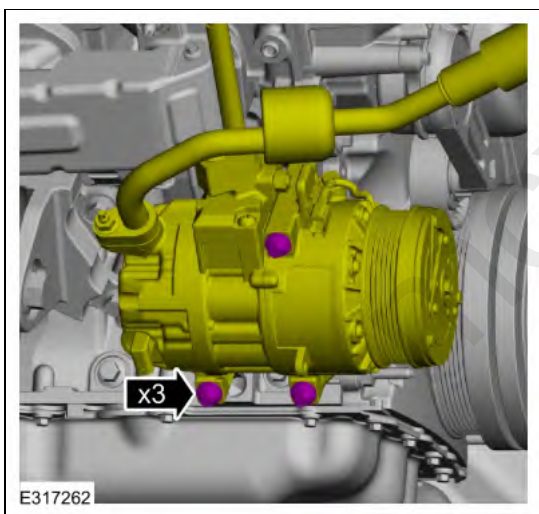
1. With the vehicle in NEUTRAL, position it on a hoist.
Refer to: Jacking and Lifting - Overview (100-02 Jacking and Lifting, Description and Operation).
2. Remove the following items:
 1. Remove the intake manifold.
Refer to: Intake Manifold (303-01A Engine - 6.2L V8, Removal and Installation).
 2. Remove the RHF front splash shield.
Refer to: Fender Splash Shield (501-02 Front End Body Panels, Removal and Installation).
 3. Remove the starter motor.
Refer to: Starter Motor (303-06A Starting System - 6.2L V8, Removal and Installation).
3. Disconnect the A/C compressor wiring harness electrical connectors and detach the wiring harness retainer.



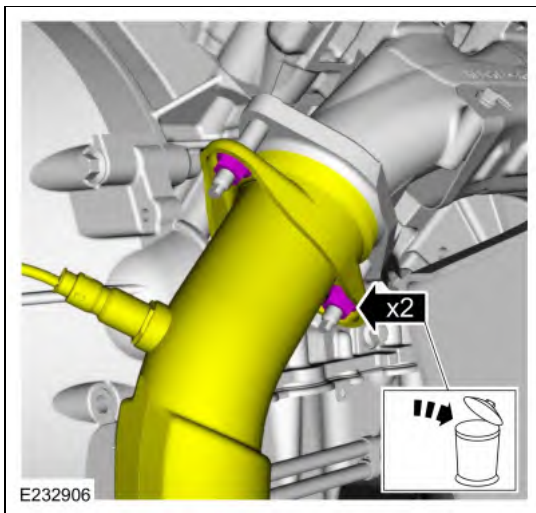
4.
 - Remove the nut.
 - **NOTE:** 6R100 transmission lines shown, 10R140 similar.
If equipped with automatic transmission, remove the transmission cooler lines bracket.
 - Remove the starter motor wiring harness bracket.



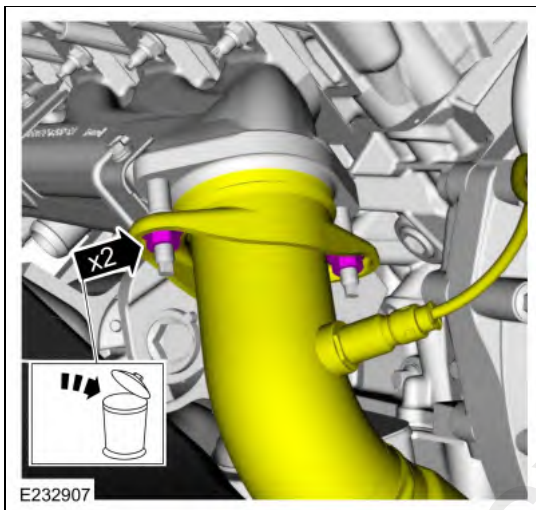
5. Remove the bolts and position the A/C compressor aside.



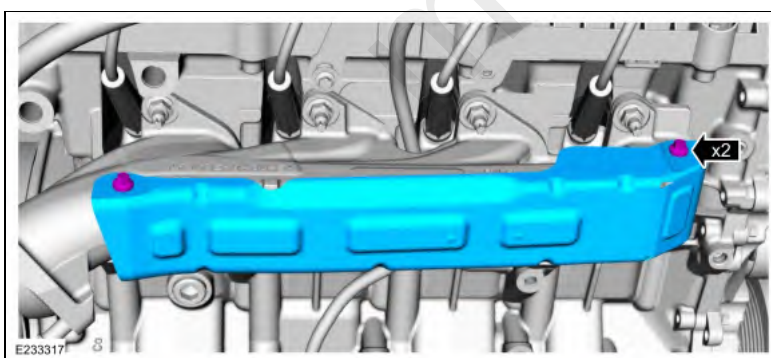
- 6.
- Remove the RH catalytic converter pipe-to-manifold nuts and discard.
 - Make sure that the mating faces are clean and free of foreign material.



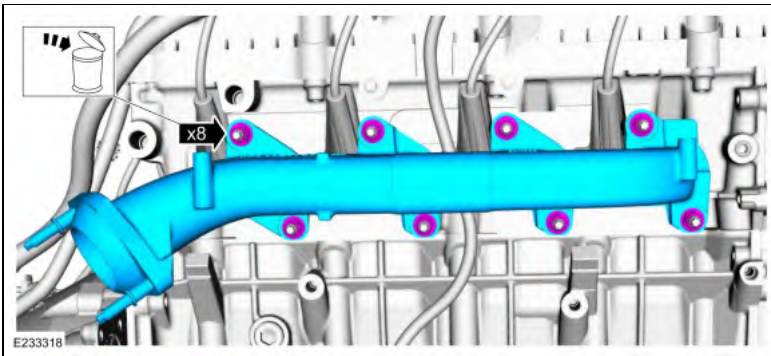
- 7.
- Remove the LH catalytic converter pipe-to-manifold nuts and discard.
 - Make sure that the mating faces are clean and free of foreign material.



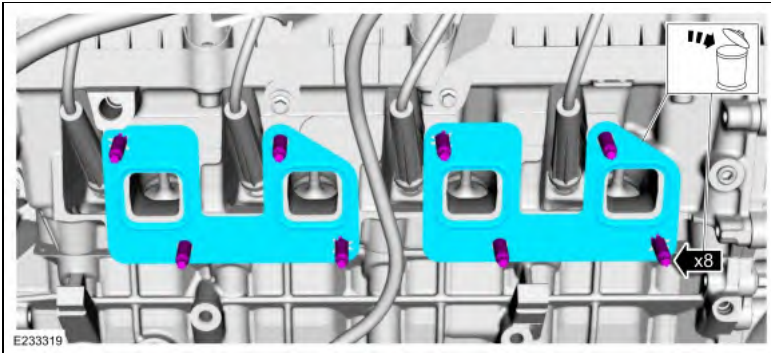
8. Remove the bolts and the exhaust manifold heat shield.



- 9.
- Remove the nuts and the exhaust manifold.
 - Discard the nuts.



10. Remove and discard the exhaust manifold gaskets and studs.



11. **NOTICE:** Do not use metal scrapers, wire brushes, power abrasive discs or other abrasive means to clean the sealing surfaces. These may cause scratches and gouges resulting in leak paths.

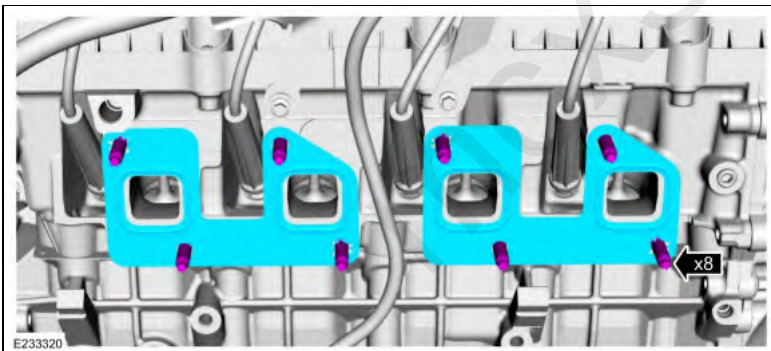
Clean and inspect the exhaust manifold.

Refer to: Exhaust Manifold Cleaning and Inspection (303-00 Engine System - General Information, General Procedures).

Installation

1.

- Install the new exhaust manifold studs.
Torque: 18 lb.ft (25 Nm)
- Install the new exhaust manifold gaskets.



2.

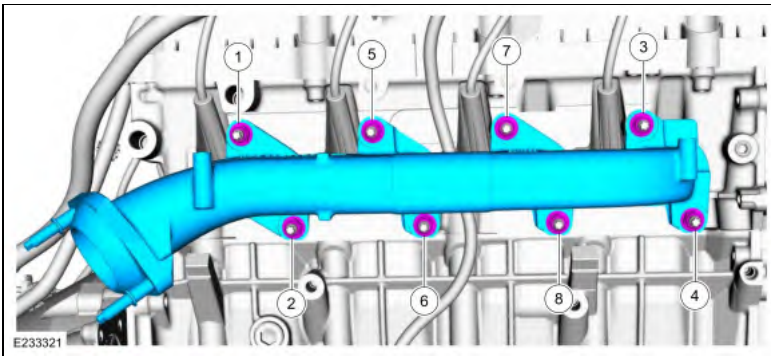
- Install the exhaust manifold and the new nuts finger-tight.
- **NOTE:** *Torque sequence must be performed twice.*

Tighten the exhaust manifold nuts in sequence shown.

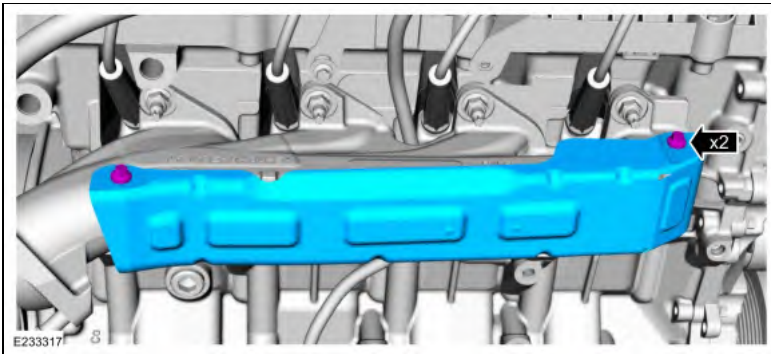
Torque:

Stage 1: 18 lb.ft (24 Nm)

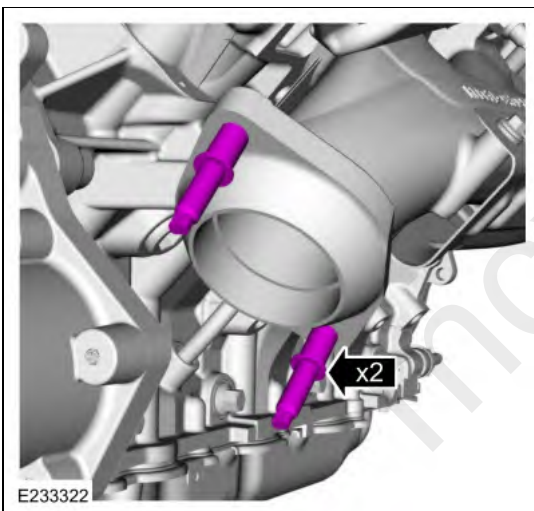
Stage 2: 23 lb.ft (31 Nm)



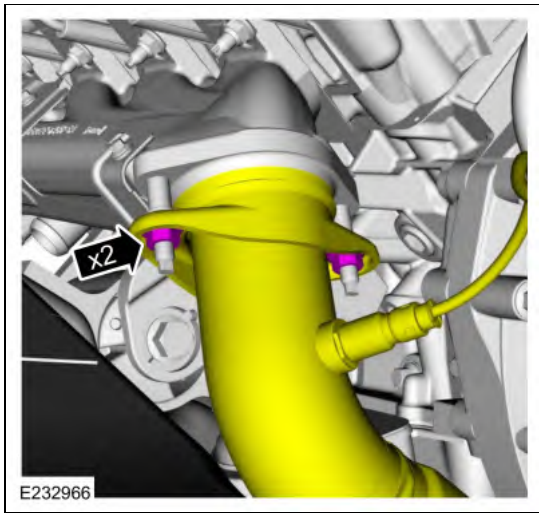
3. Position the exhaust manifold heat shield and install the bolts.
Torque: 106 lb.in (12 Nm)



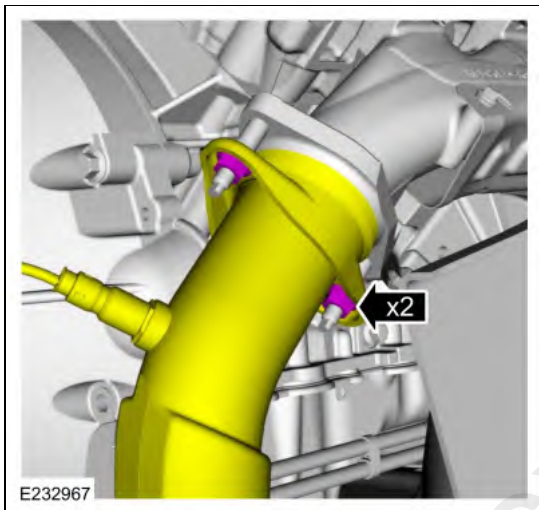
4. **NOTE:** Some replacement exhaust manifolds do not come with studs.
If necessary, install new studs.
Torque: 30 lb.ft (40 Nm)



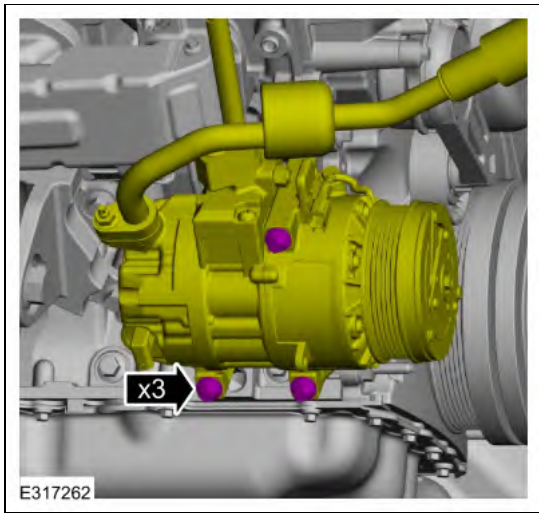
5. Install the new LH catalytic converter pipe-to-manifold nuts.
Torque: 30 lb.ft (40 Nm)



6. Install the new RH catalytic converter pipe-to-manifold nuts.
Torque: 30 lb.ft (40 Nm)

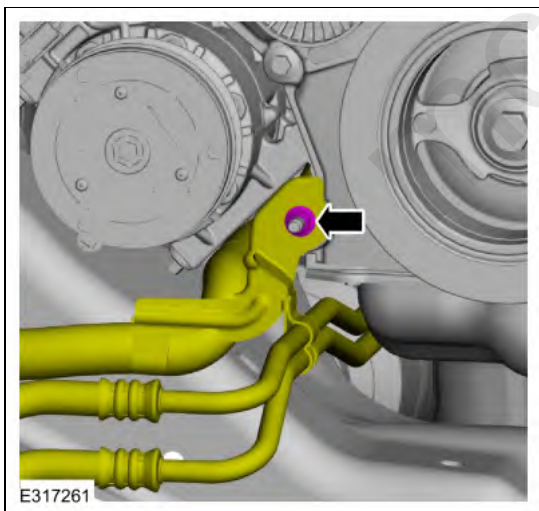


7. Position the A/C compressor and install the bolts.
Torque: 18 lb.ft (25 Nm)

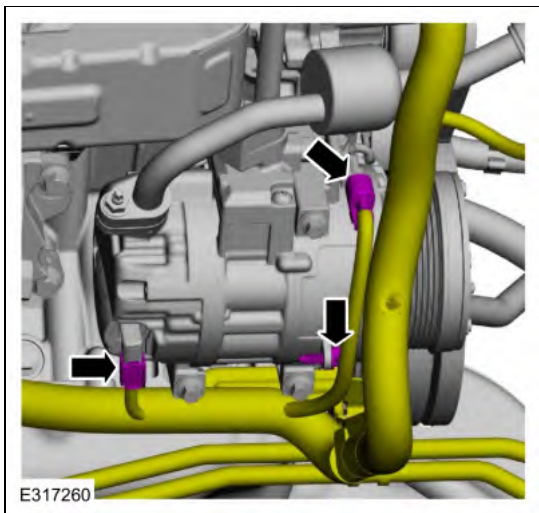


8.

- Install the starter motor wiring harness bracket.
- **NOTE:** 6R100 transmission lines shown, 10R140 similar.
If equipped with automatic transmission, install the transmission cooler lines bracket.
- Install the nut.
Torque: 18 lb.ft (25 Nm)



9. Connect the A/C compressor wiring harness electrical connectors and attach the wiring harness retainer.



10. Install the following items:

1. Install the starter motor.
Refer to: Starter Motor (303-06A Starting System - 6.2L V8, Removal and Installation).
2. Install the RHF front splash shield.
Refer to: Fender Splash Shield (501-02 Front End Body Panels, Removal and Installation).
3. Install the accessory drive belt.
Refer to: Accessory Drive Belt (303-05A Accessory Drive - 6.2L V8, Removal and Installation).

11. Start the engine and check the exhaust for leaks.

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