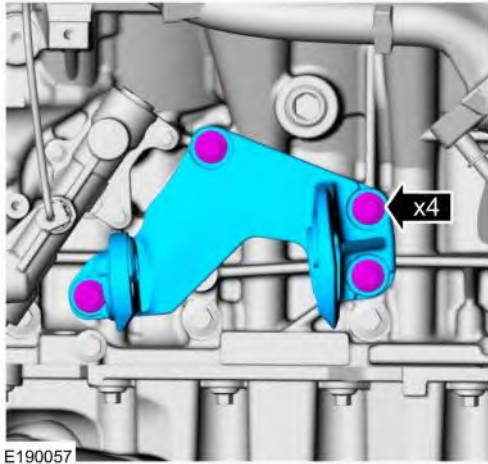


30.

Remove the 4 bolts and the LH engine mount-to-cylinder block bracket.



REMOVAL AND INSTALLATION > ENGINE MOUNT LH > INSTALLATION

4x2/4x4



NOTE: If removed, the following 4 steps are to install the LH engine mount-to-cylinder block bracket.



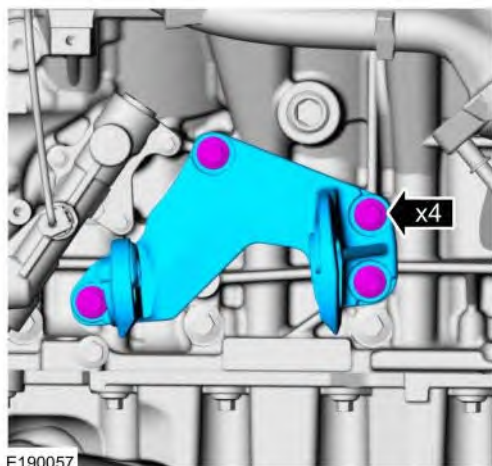
NOTE: Clean the engine mount-to-cylinder block mating surfaces of any dirt or foreign material prior to installation.

1.

Install the LH engine mount-to-cylinder block bracket and install the bolts.

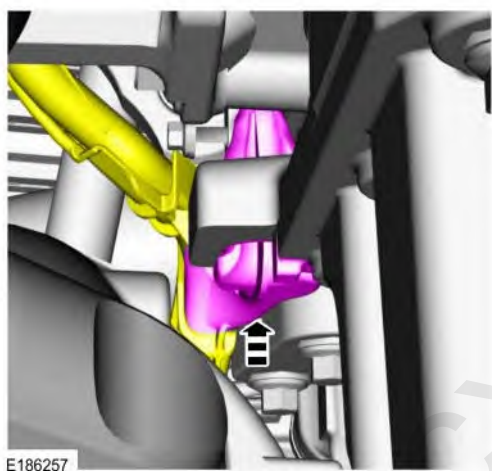
Torque

: 46 lb.ft (63 Nm)



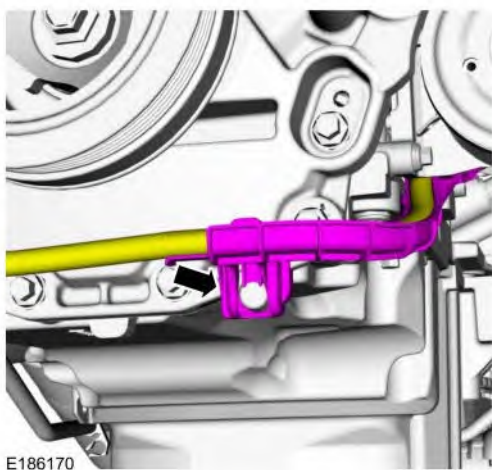
2.

Attach the generator wiring harness retainer to the lower LH side of the engine block.



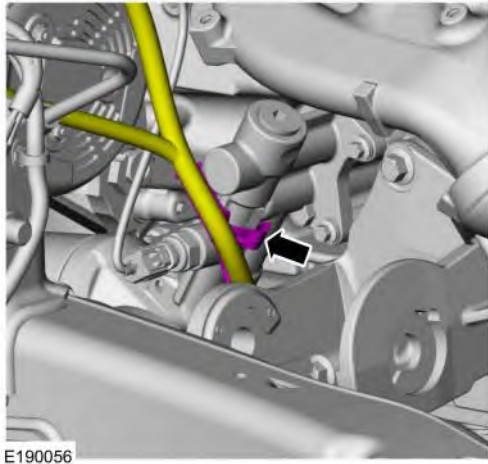
3.

Attach the generator wiring harness to the engine front cover.



4.

Attach the generator wiring harness retainer to the oil filter adapter.

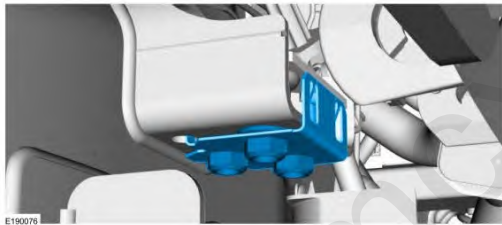


5.



NOTE: Replace the nut plate with part number W716699-S439.

If removed, install a new engine mount-to-frame nut plate.



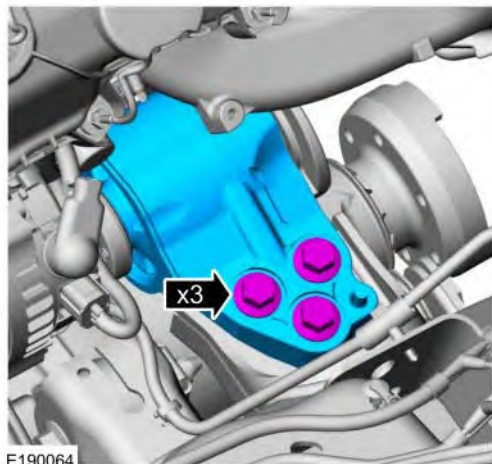
6.



NOTE: Clean the engine mount-to-frame mating surfaces of any dirt or foreign material prior to installation.

Position the LH engine mount and hand start the new engine mount-to-frame bolts.

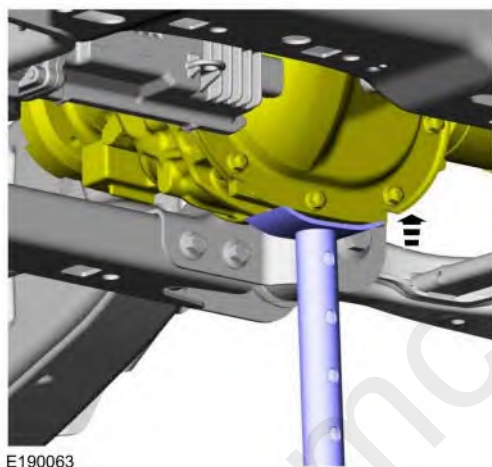
Do not torque at this time.



4x4

7.

Using an adjustable stand, raise the front axle carrier into position. Use the General Equipment: Vehicle/Axle Stands

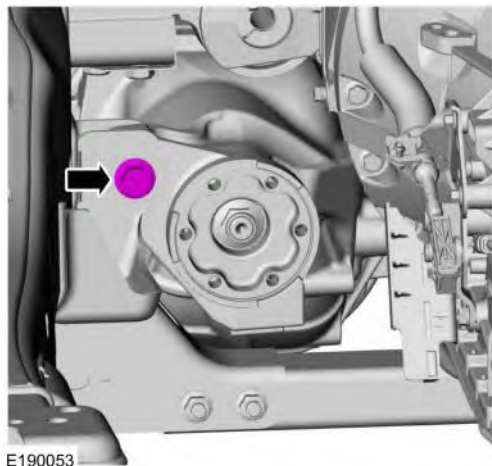


8.

Install the lower front axle carrier mounting bushing bolt.

Torque

: 85 lb.ft (115 Nm)

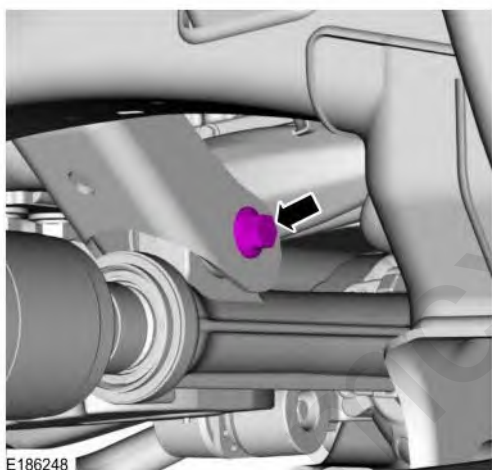


9.

Install the axle shaft housing carrier bushing bolt.

Torque

: 85 lb.ft (115 Nm)

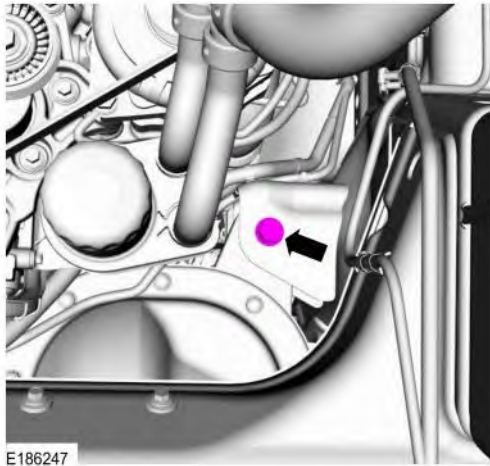


10.

Install the upper front axle carrier mounting bushing bolt.

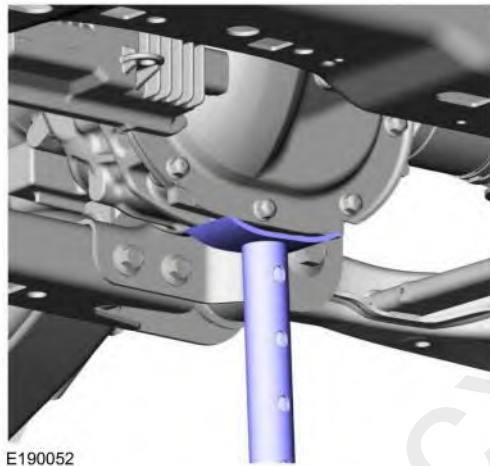
Torque

: 85 lb.ft (115 Nm)



11.

Remove the adjustable stand. Use the General Equipment: Vehicle/Axle Stands



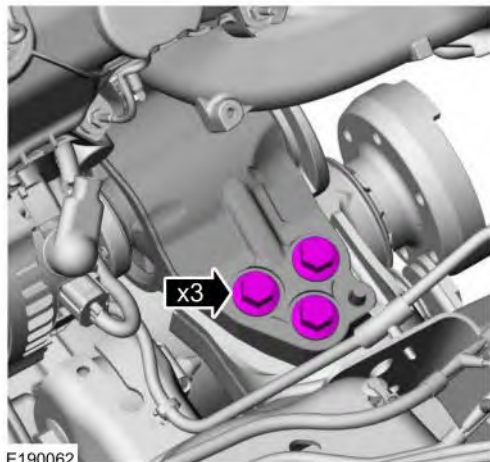
4x2/4x4

12.

Tighten the LH engine mount-to-frame bolts.

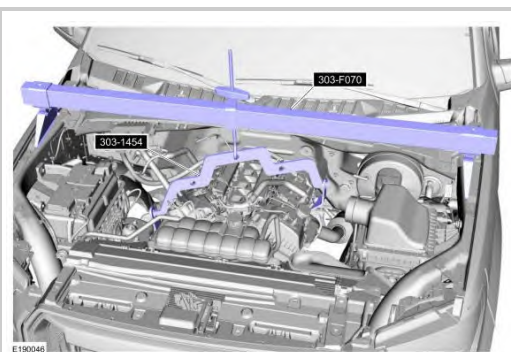
Torque

: 129 lb.ft (175 Nm)



13.

Using the engine support bar, lower the engine to the installed position. Use Special Service Tool: 303-F070 Support Bar, Engine.



14.

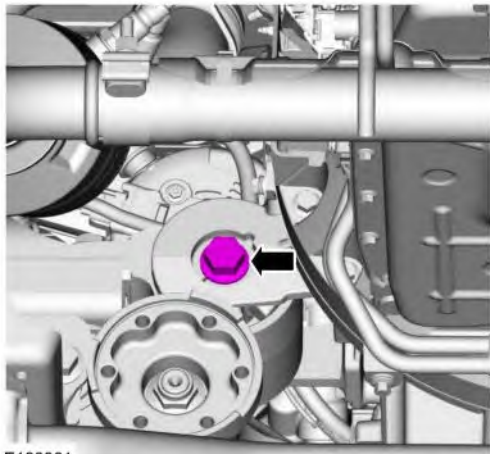


NOTE: Only use hand tools when loosening or tightening the engine mount through bolts or damage to the engine mount-to-cylinder block bracket can occur.

Install the new LH engine mount through bolt.

Torque

: 258 lb.ft (350 Nm)



E190061

15.

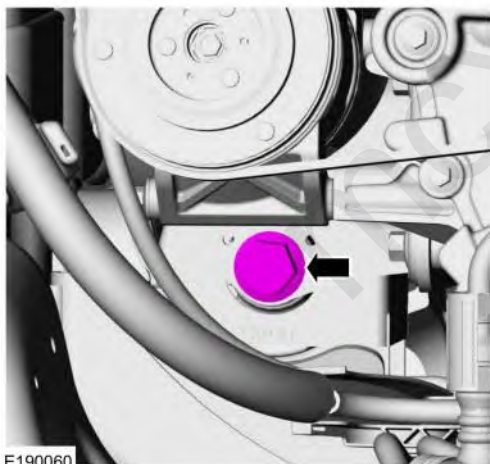


NOTE: Only use hand tools when loosening or tightening the engine mount through bolts or damage to the engine mount-to-cylinder block bracket can occur.

Install the new RH engine mount through bolt.

Torque

: 258 lb.ft (350 Nm)



E190060

16.

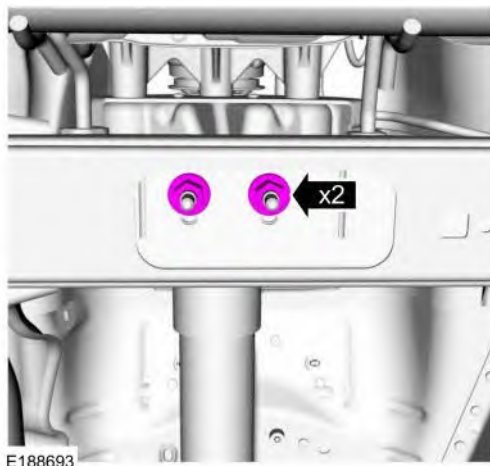


NOTE: Only use hand tools when installing the transmission mount-to-crossmember nuts or damage to the transmission mount can occur.

Tighten the transmission mount-to-crossmember nuts.

Torque

: 85 lb.ft (115 Nm)

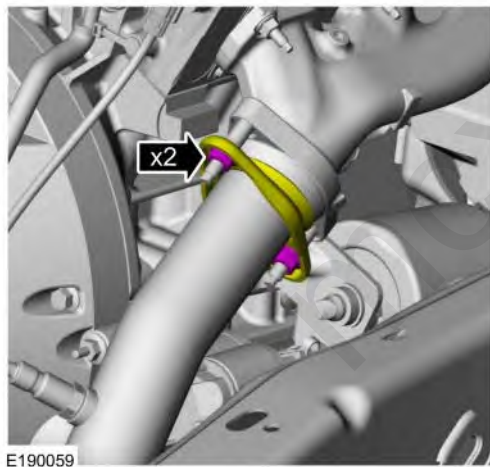


17.

Install the new RH catalytic converter-to-exhaust manifold nuts.

Torque

: 30 lb.ft (40 Nm)

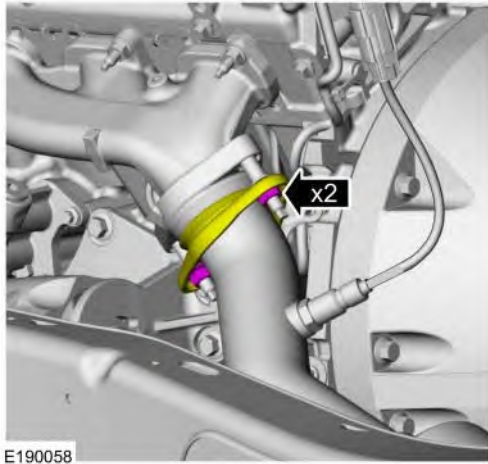


18.

Install the new LH and RH catalytic converter-to-exhaust manifold nuts.

Torque

: 30 lb.ft (40 Nm)



19.

Position the exhaust Y-pipe dual catalytic converter-to-exhaust intermediate pipe and install the new bolts.

Tighten the inner exhaust Y-pipe dual catalytic converter-to-exhaust intermediate pipe bolt.

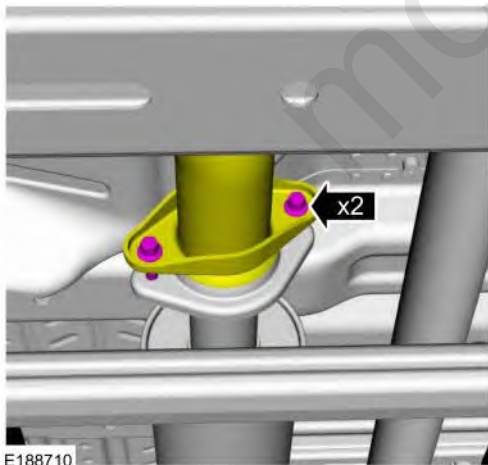
Torque

: 46 lb.ft (63 Nm)

Tighten the outer exhaust Y-pipe dual catalytic converter-to-exhaust intermediate pipe bolt.

Torque

: 46 lb.ft (63 Nm)



4x4

20.

Install the front driveshaft. Refer to: Front Driveshaft .

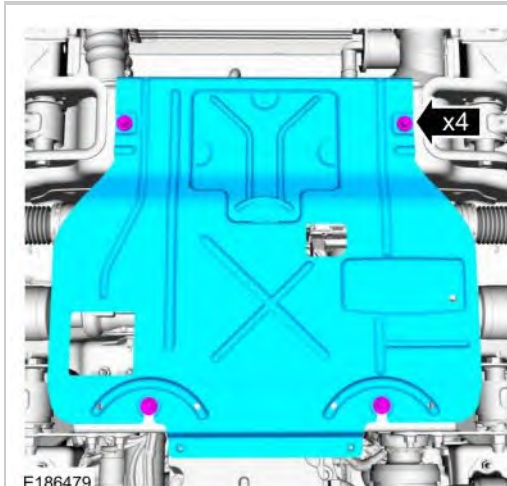
4x2/4x4

21.

If equipped, install the skid plate and the bolts.

Torque

: 30 lb.ft (40 Nm)



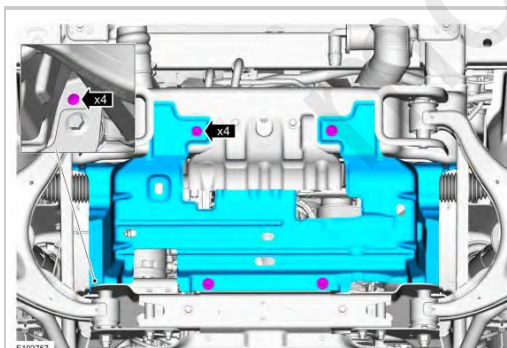
22.

If equipped, install the underbody shield and bolts.

Torque

: 30 lb.ft (40 Nm)

Install the pin-type retainers.



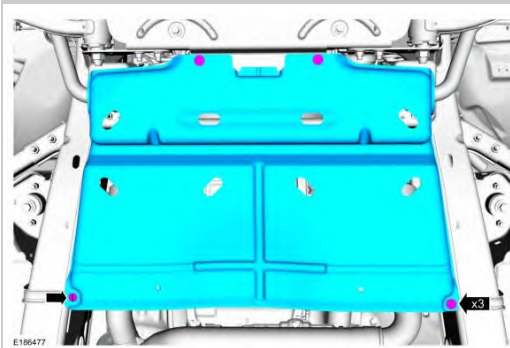
23.

If equipped, install the transmission housing cover and attach the retainer.

Install the bolts.

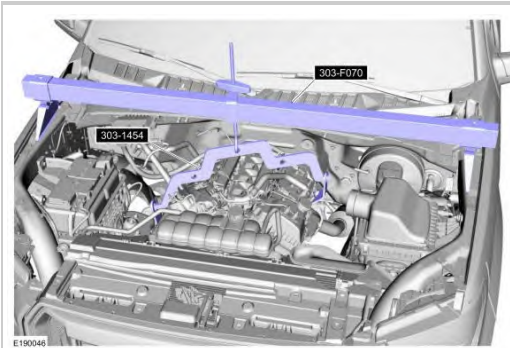
Torque

: 71 lb.in (8 Nm)



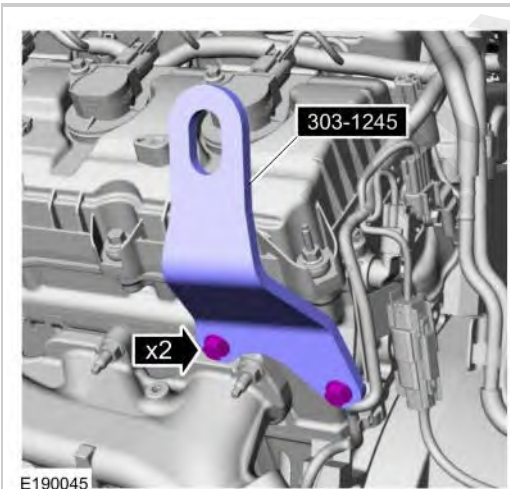
24.

Remove Special Service Tool: 303-F070 Support Bar, Engine., 303-1454 Engine Spreader Bar.



25.

Remove Special Service Tool: 303-1245 Engine Lift Eye.



26.

Install the upper intake manifold. Refer to: Upper Intake Manifold .

27.