

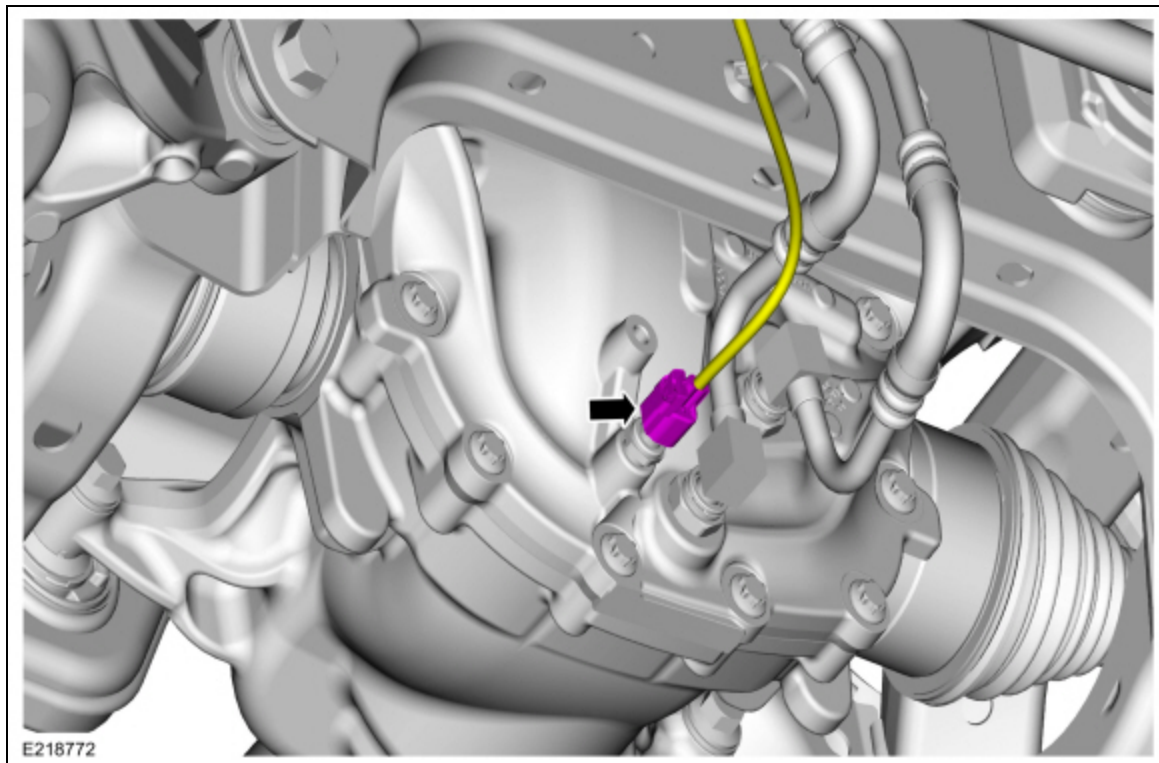
Axle Assembly

Special Tool(s) / General Equipment

Transmission Jack

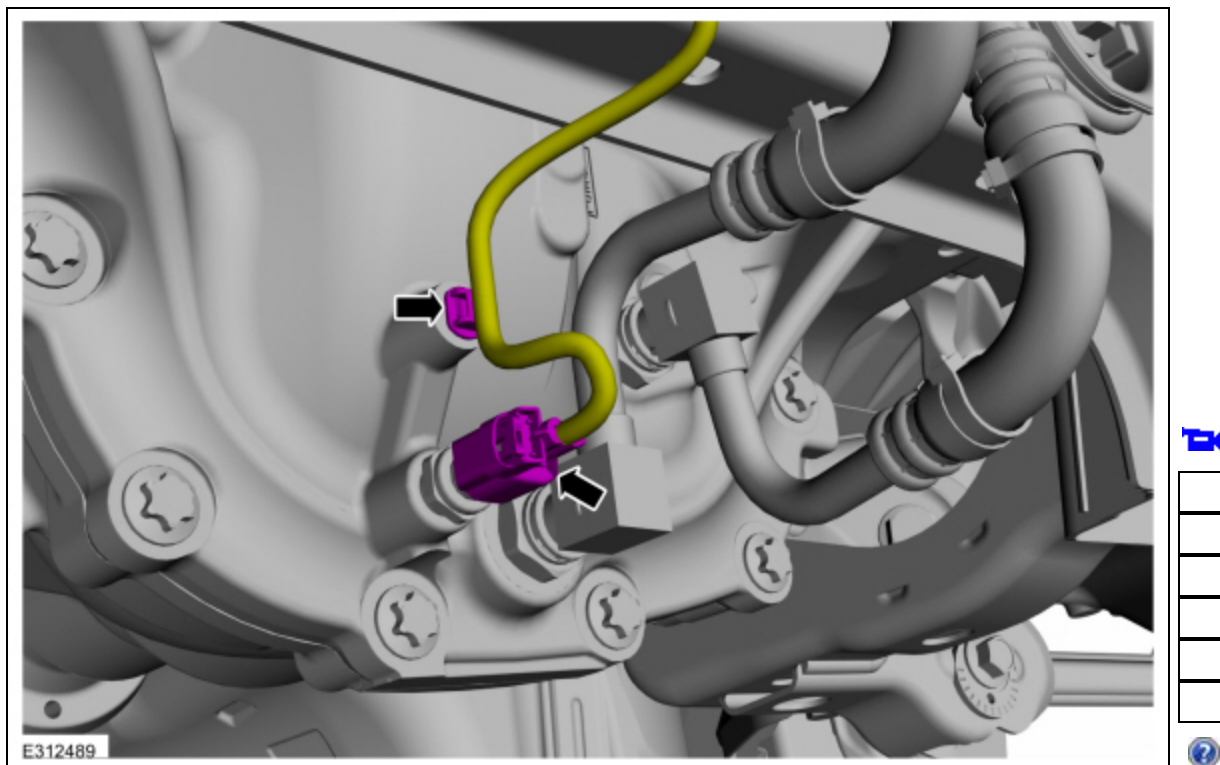
Removal

1. Remove the rear driveshaft.
Refer to: [Driveshaft](#) (205-01 Driveshaft, Removal and Installation).
Refer to: [Driveshaft - GT500](#) (205-01 Driveshaft, Removal and Installation).
2. On both sides.
Remove the rear halfshaft.
Refer to: [Rear Halfshaft](#) (205-05 Rear Drive Halfshafts, Removal and Installation).
3. If equipped.
Disconnect the differential fluid temperature sensor connector.

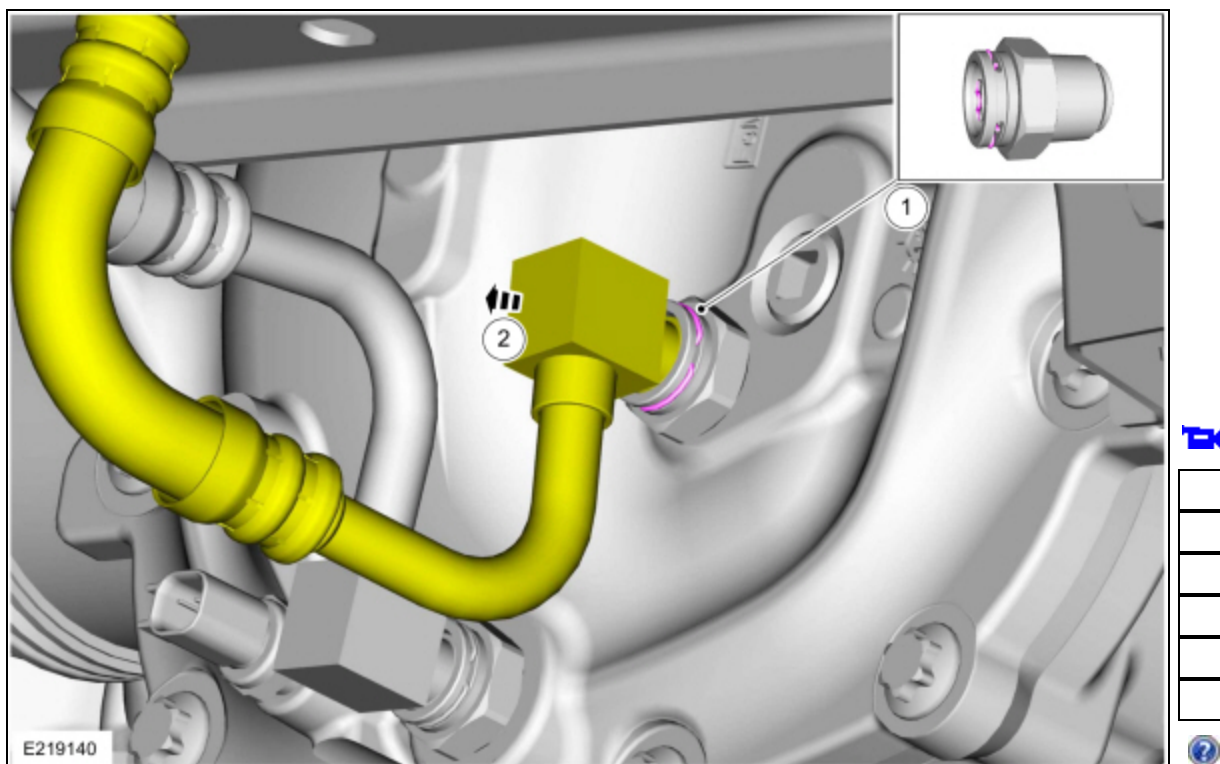


Vehicles equipped with 5.2L Supercharged engine

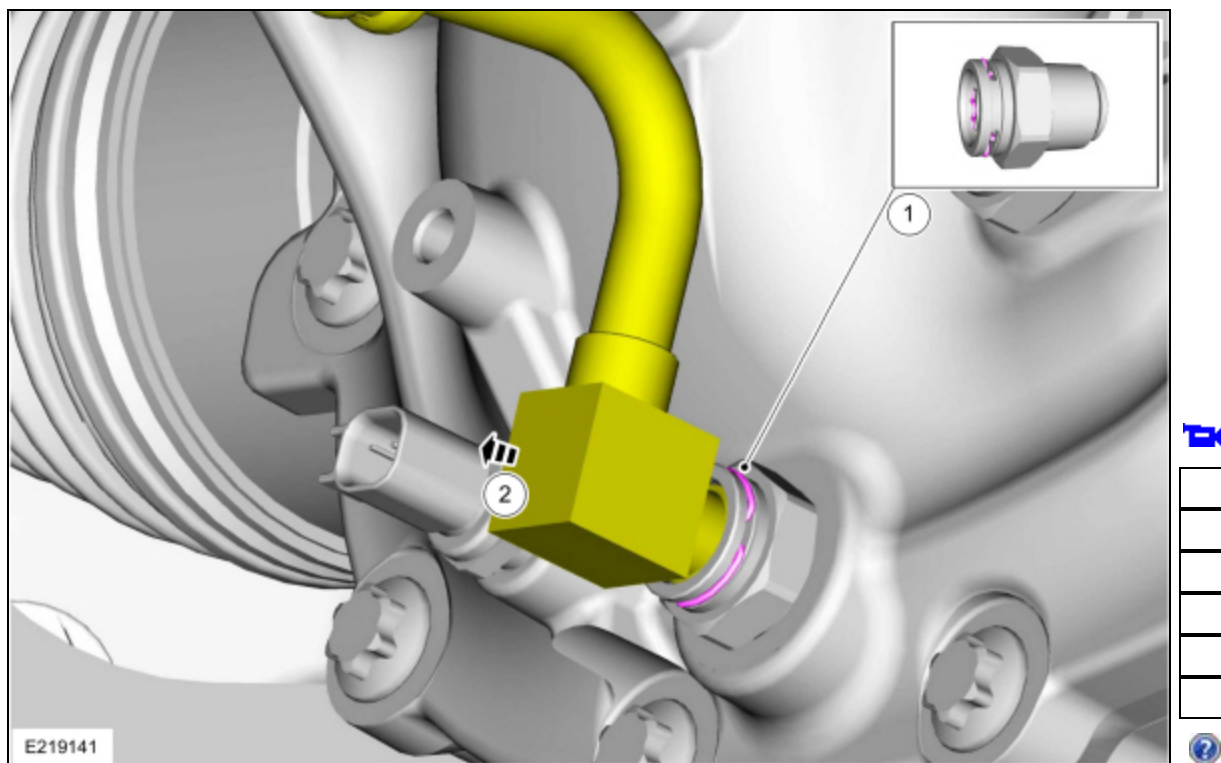
4. Detach the retainer and disconnect the differential fluid temperature sensor connector.

**All vehicles**

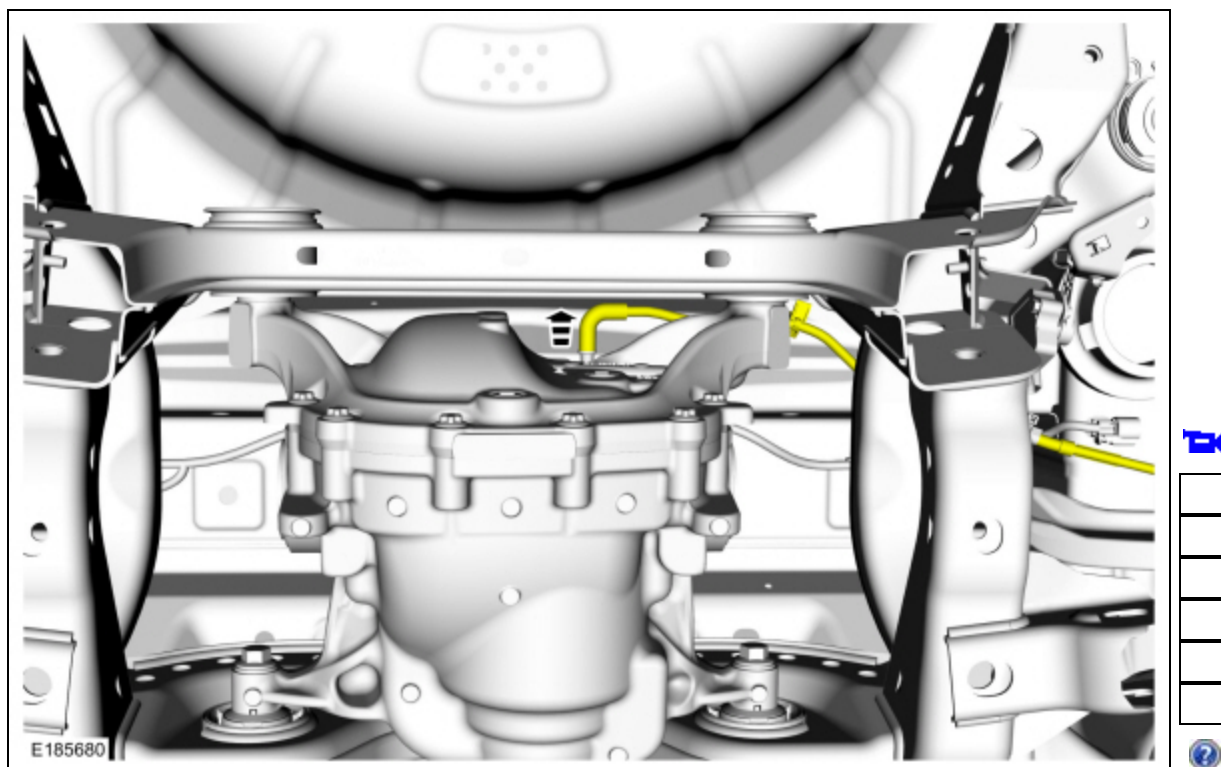
5.
 1. Remove the differential cooling return line retaining clip.
 2. Remove the differential cooling return line and position aside.



6.
 1. Remove the differential cooling supply line retaining clip.
 2. Remove the differential cooling supply line and position aside.

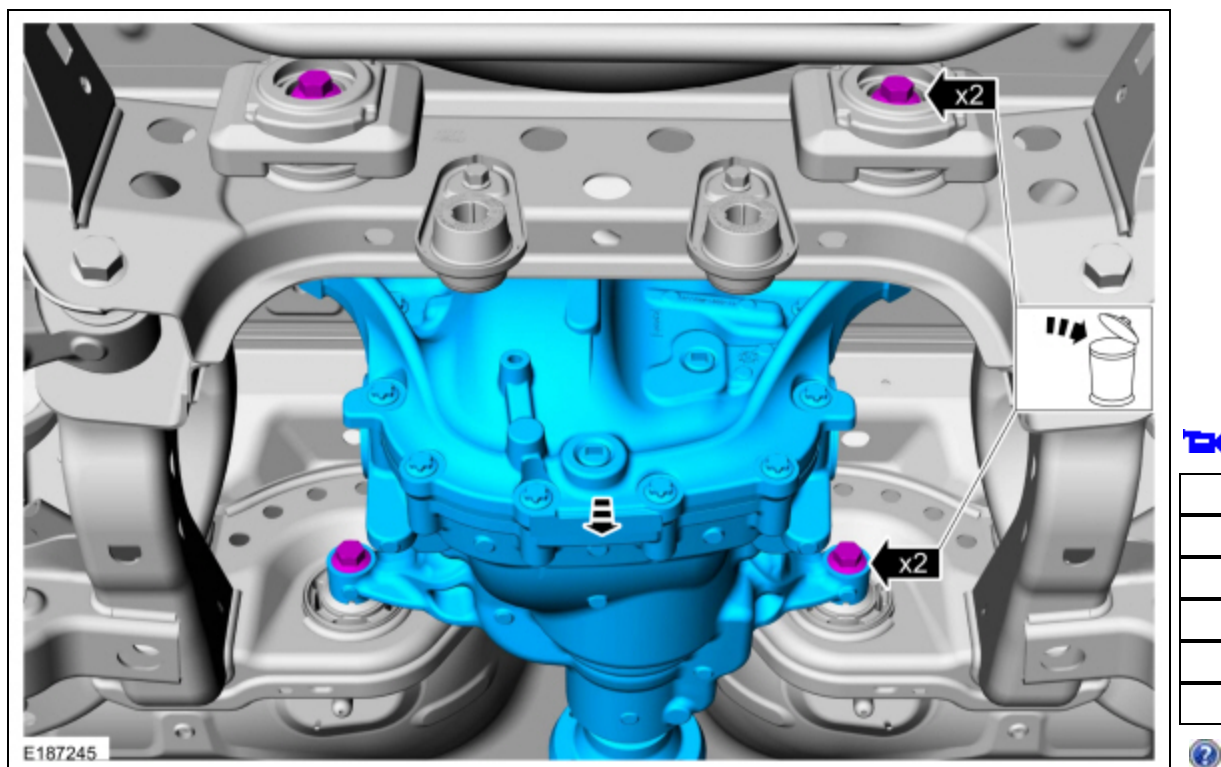


7. Disconnect the differential vent tube.



8. **NOTICE:** The rear differential is heavy and will require to be supported by a transmission jack before the fasteners are removed.

Using a transmission jack, remove and discard the differential mounting bolts and remove the differential.
Use the General Equipment: Transmission Jack

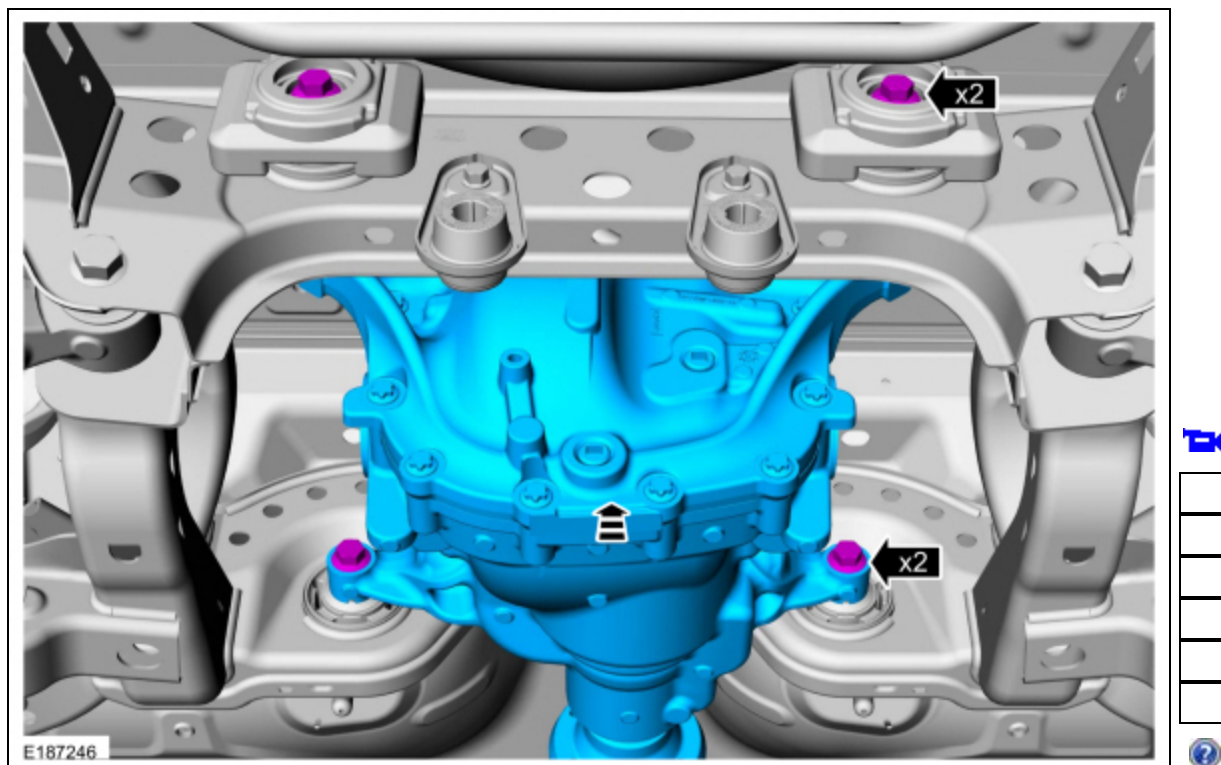


Installation

All vehicles

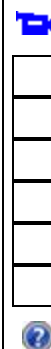
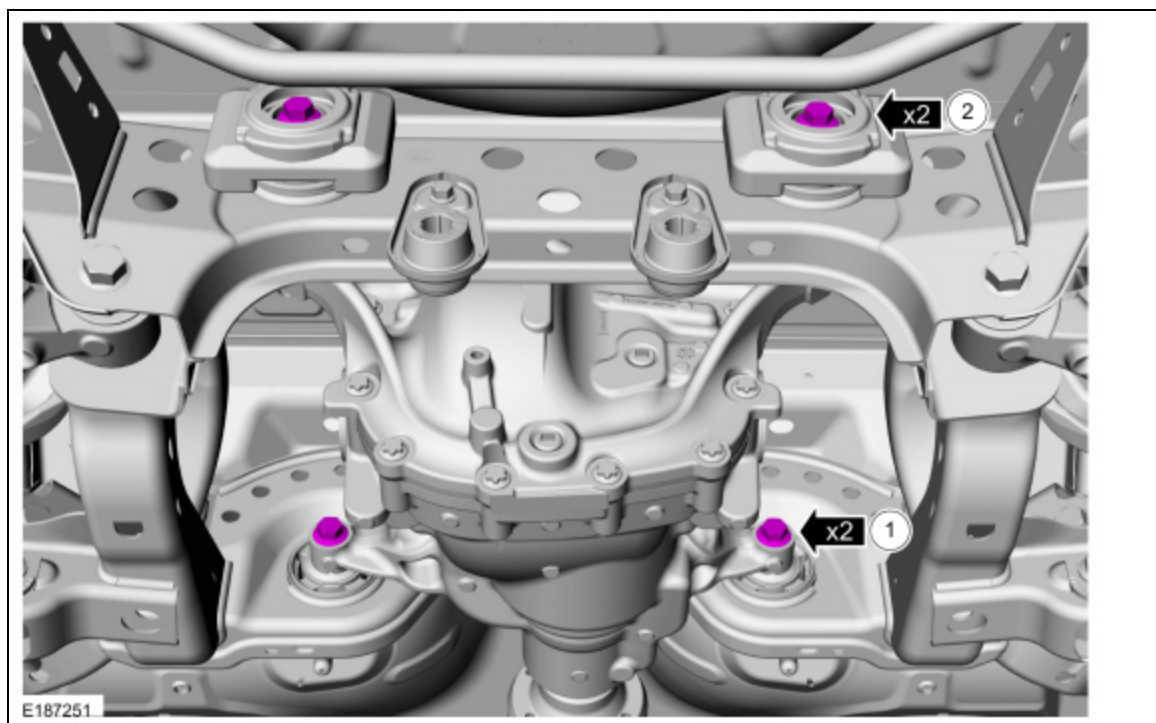
1. **NOTE:** Only install the differential mounting bolts hand tight at this time.

Using a transmission jack, install the differential and the new differential mounting bolts hand tight.
Use the General Equipment: Transmission Jack

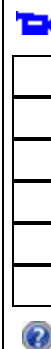
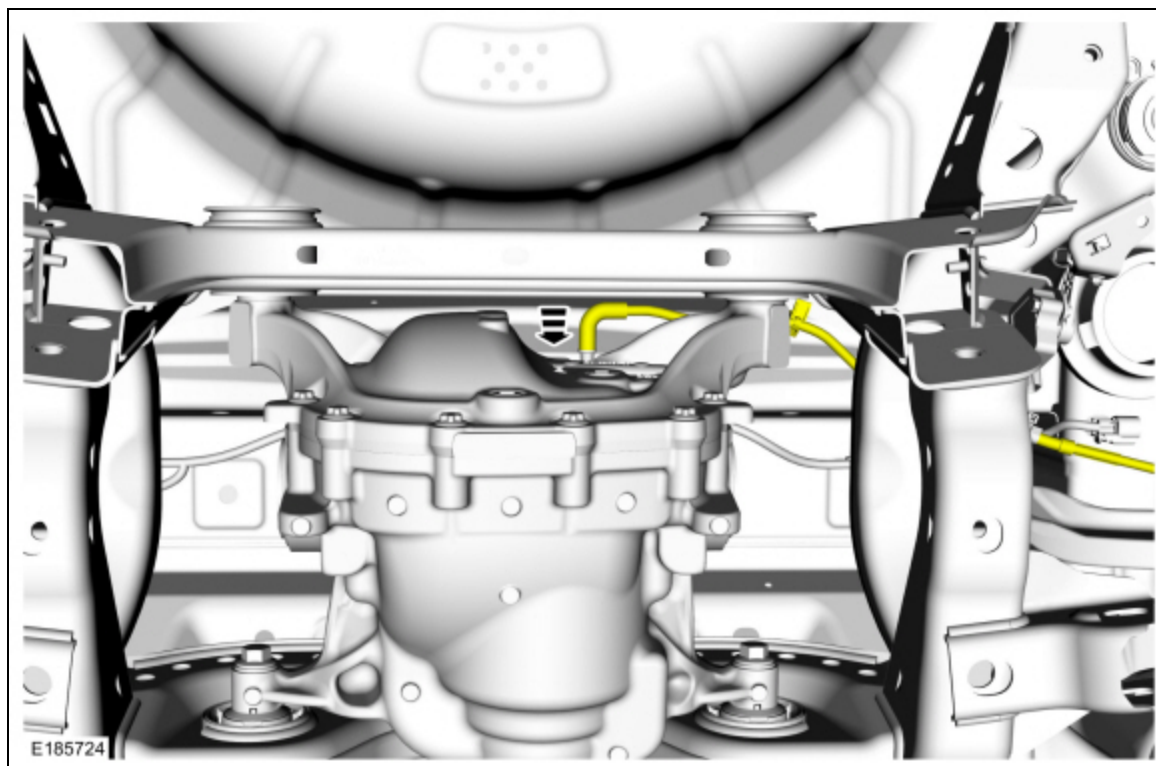


2. 1. Tighten the forward differential mounting bolts.
Torque: 129 lb.ft (175 Nm)

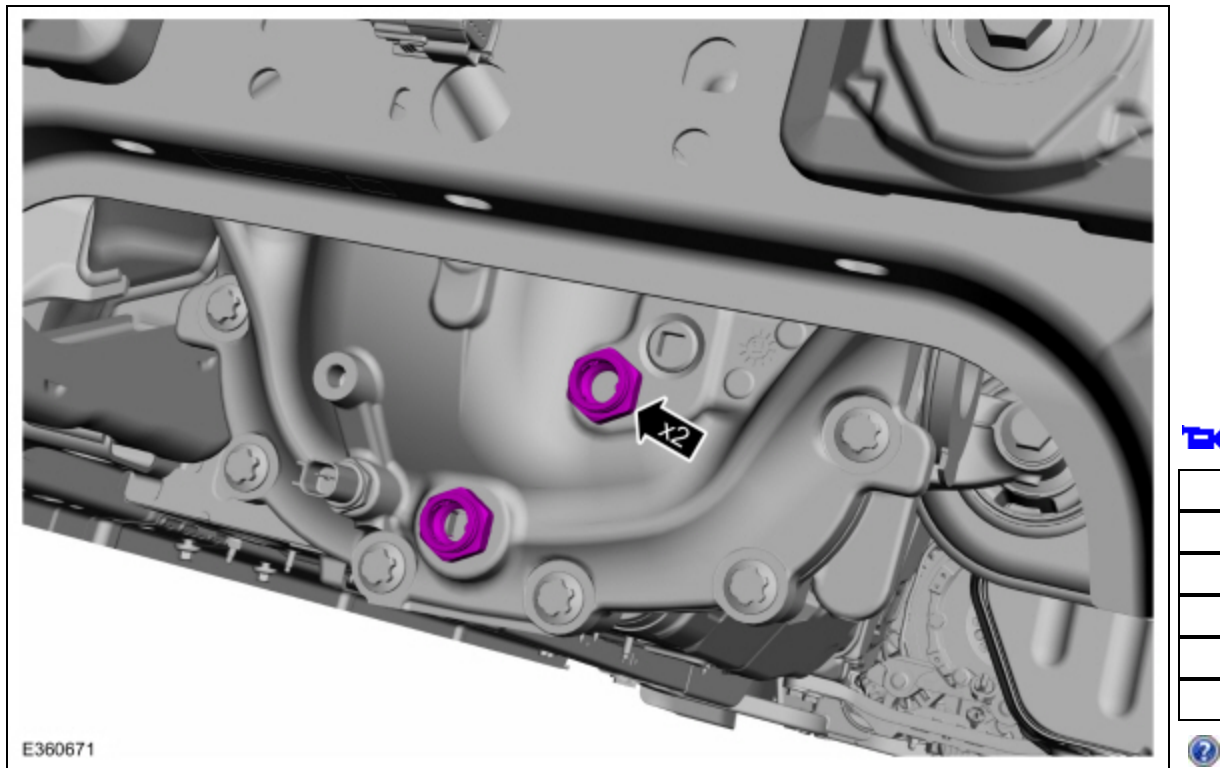
2. Tighten the rear differential mounting bolts.
Torque: 129 lb.ft (175 Nm)



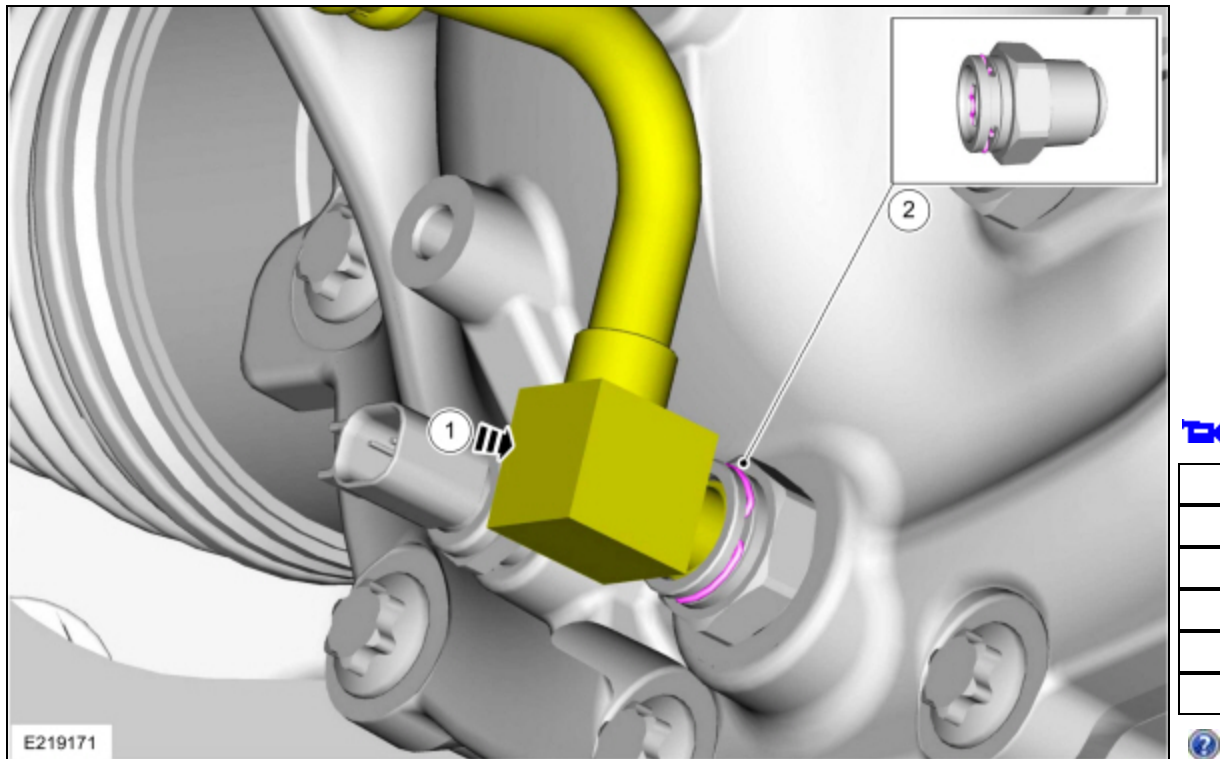
3. Connect the differential vent tube.



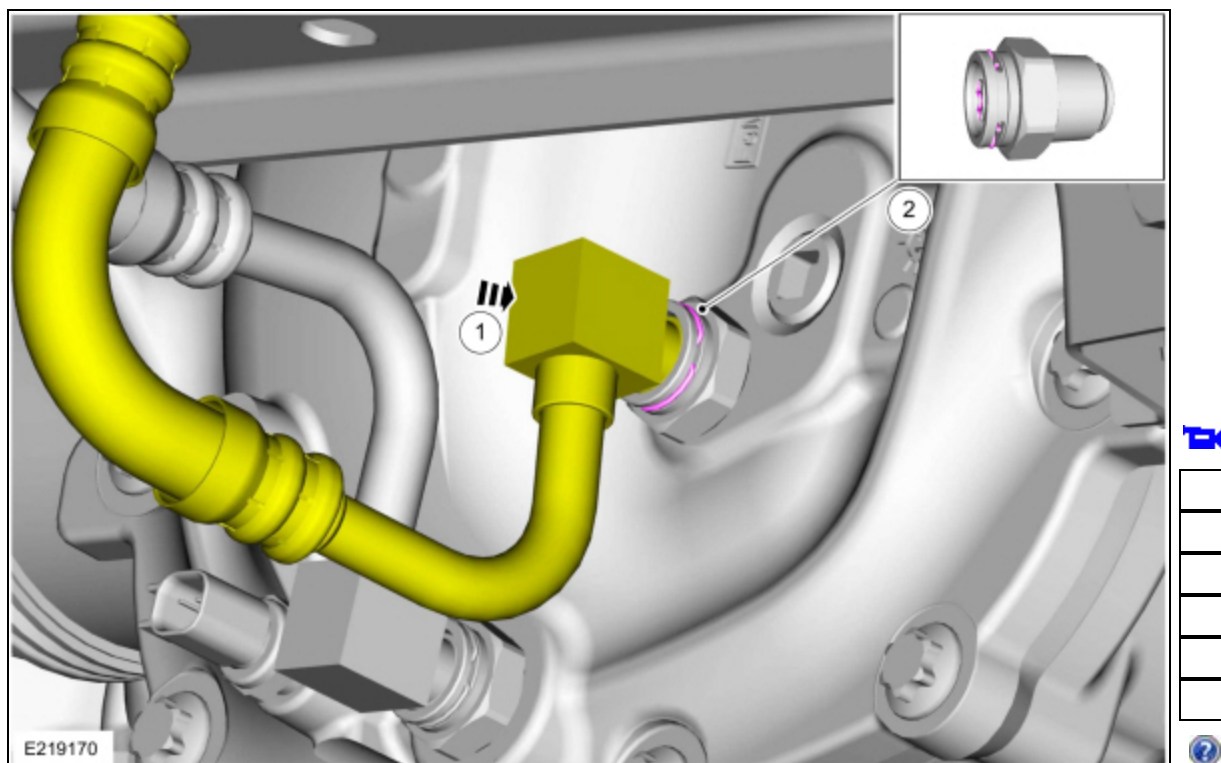
4. Check the torque values of the differential cooling supply and return line installation adaptors.
Torque: 17 lb.ft (23 Nm)



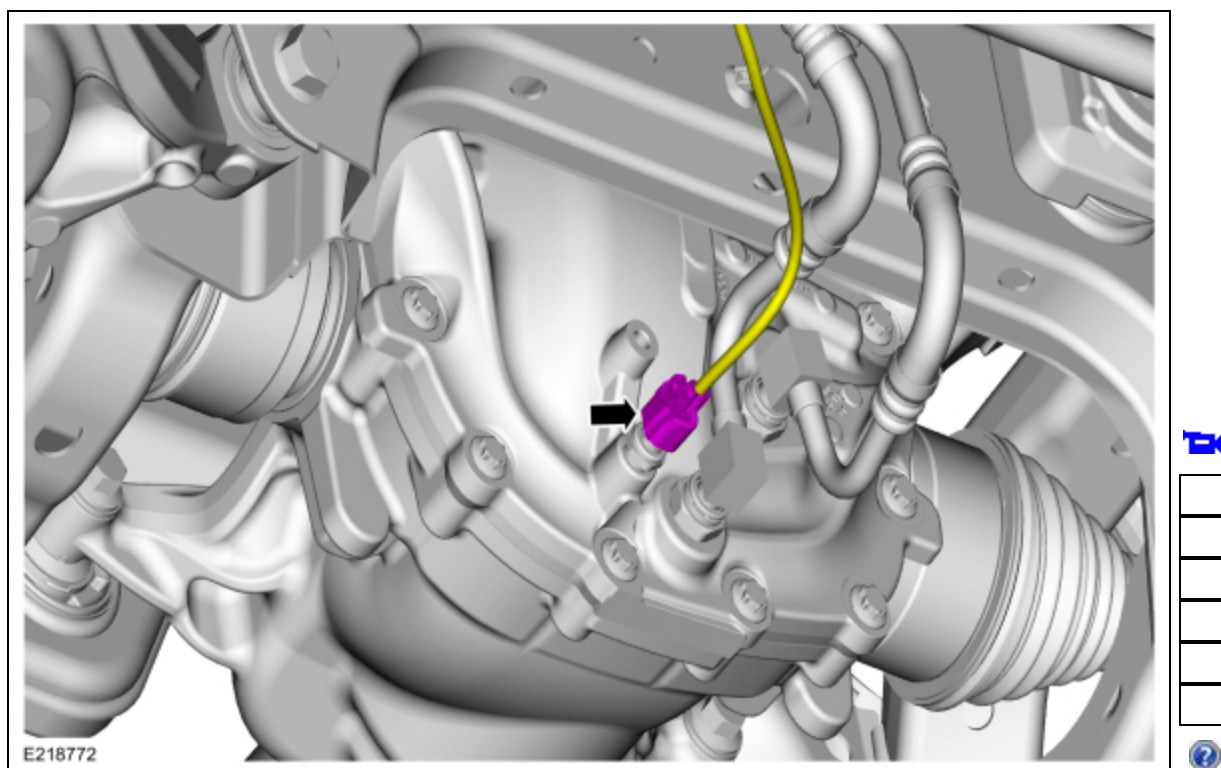
5.
 1. Install the differential cooling supply line.
 2. Install the differential cooling supply line retaining clip.



6.
 1. Install the differential cooling return line.
 2. Install the differential cooling return line retaining clip.

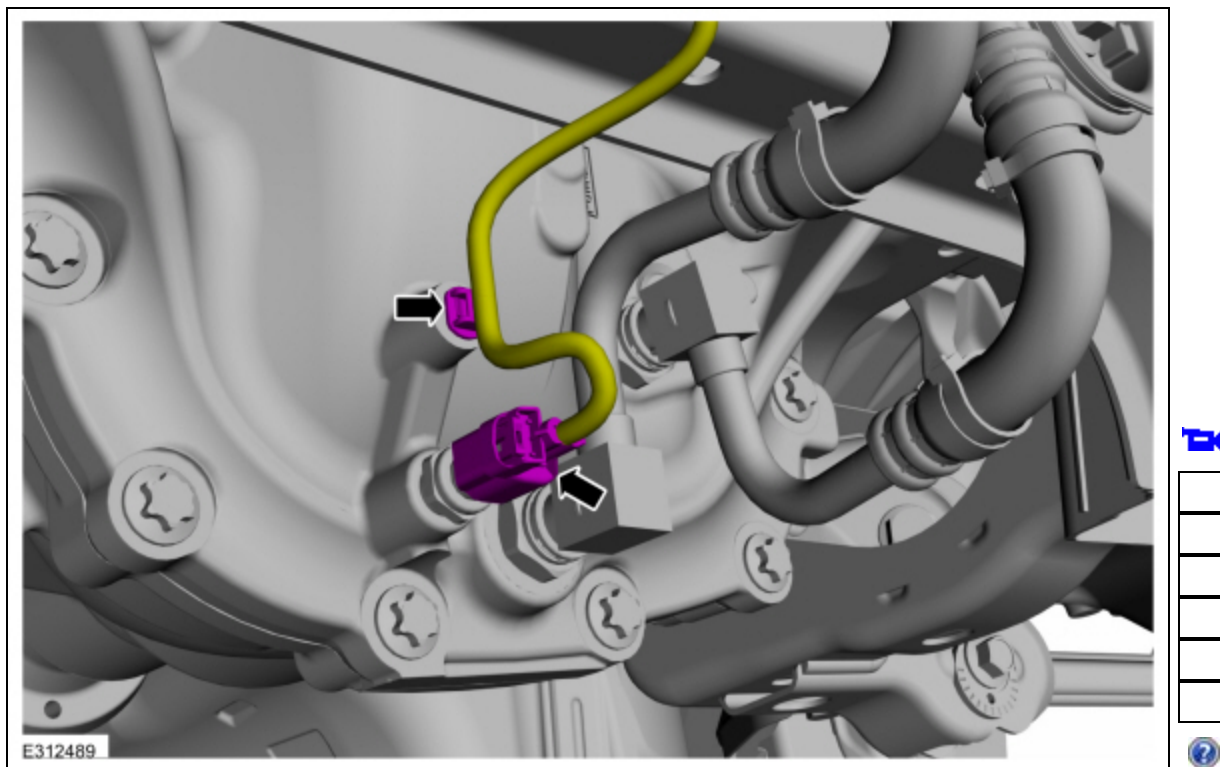


7. If equipped.
Connect the differential fluid temperature sensor connector.



Vehicles equipped with 5.2L Supercharged engine

8. Connect the differential fluid temperature sensor connector and attach the connector.



All vehicles

9. On both sides.
Install the rear halfshafts.
Refer to: [Rear Halfshaft](#) (205-05 Rear Drive Halfshafts, Removal and Installation).
10. Install the rear driveshaft.
Refer to: [Driveshaft](#) (205-01 Driveshaft, Removal and Installation).
Refer to: [Driveshaft - GT500](#) (205-01 Driveshaft, Removal and Installation).
11. Check the differential fluid level.
Refer to: [Differential Fluid Level Check](#) (205-02 Rear Drive Axle/Differential, General Procedures).

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