

## Axle and Differential Draining and Filling

### Draining

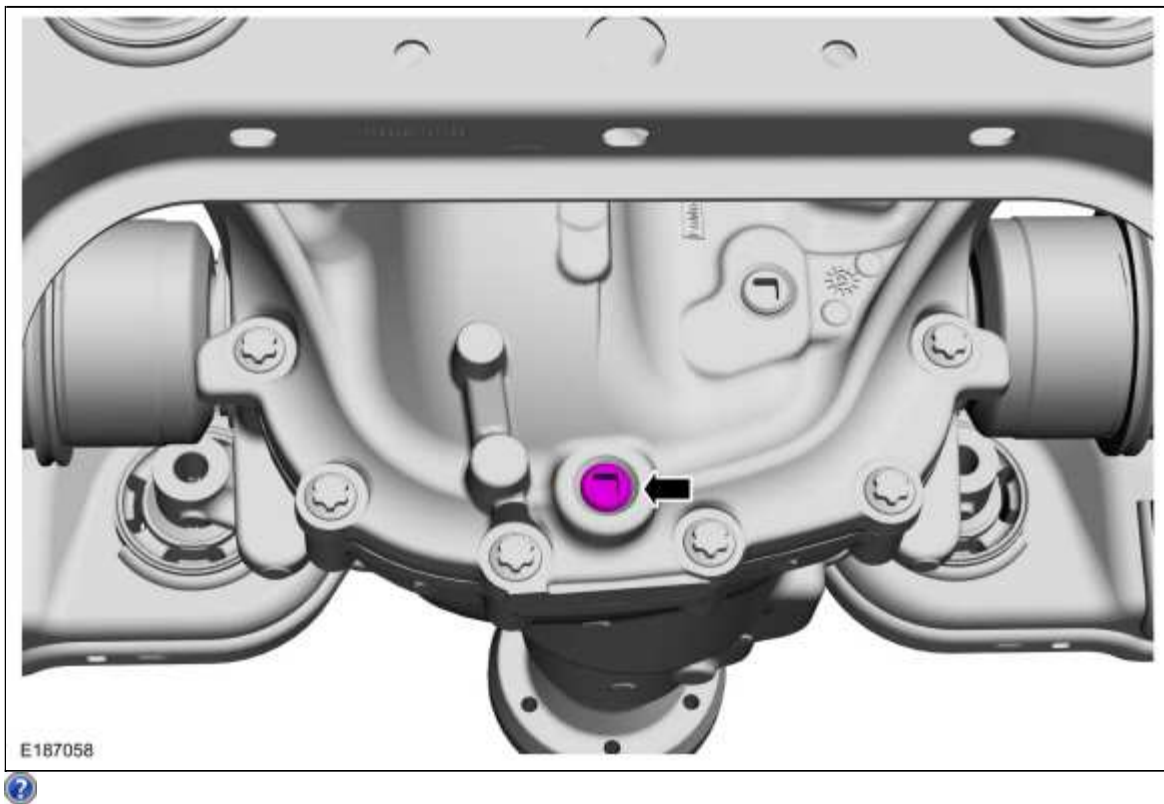
#### All vehicles

**NOTE:** Removal steps may contain installation information.

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).

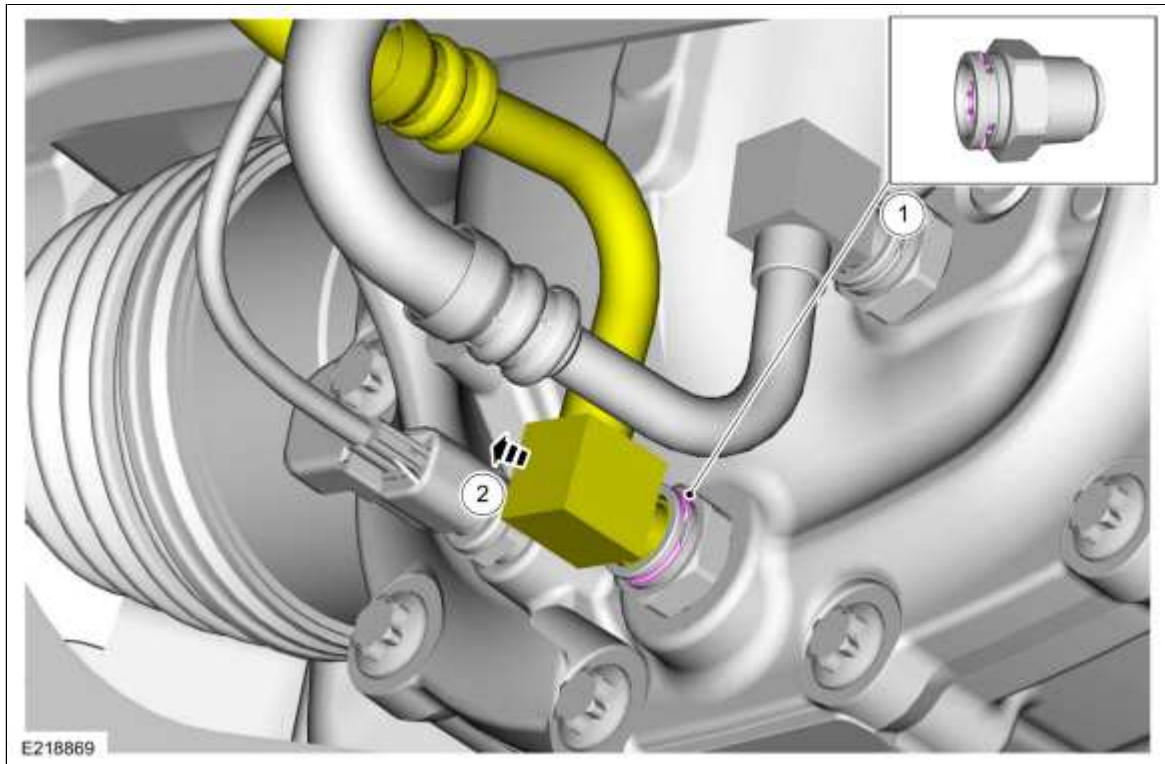
#### Vehicles with a drain plug

2. Drain the differential gear lubricant.  
Torque : 25 lb.ft (34 Nm)



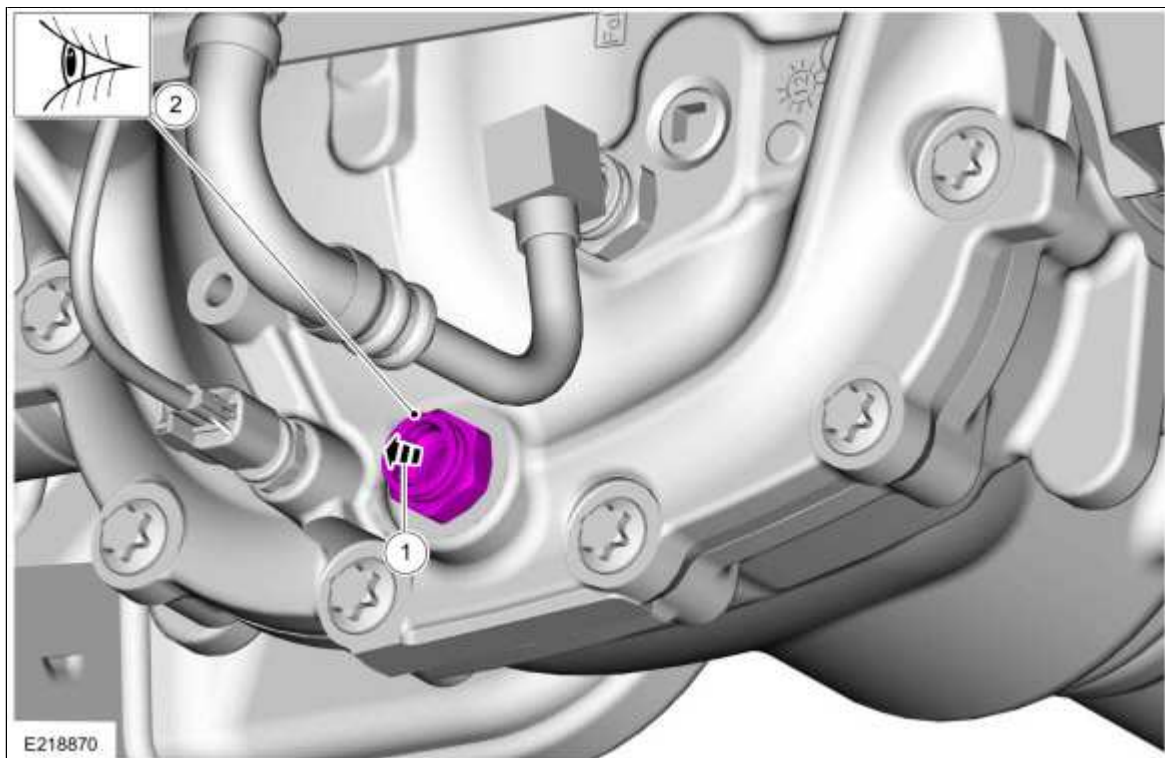
#### Vehicles equipped with a differential cooler

3.
  1. Remove the cooling line retaining clip.
  2. Remove the cooling line and position aside.



4.

1. Remove the differential cooling line fitting.
2. Inspect the differential cooling line fitting.  
*Torque : 17 lb.ft (23 Nm)*

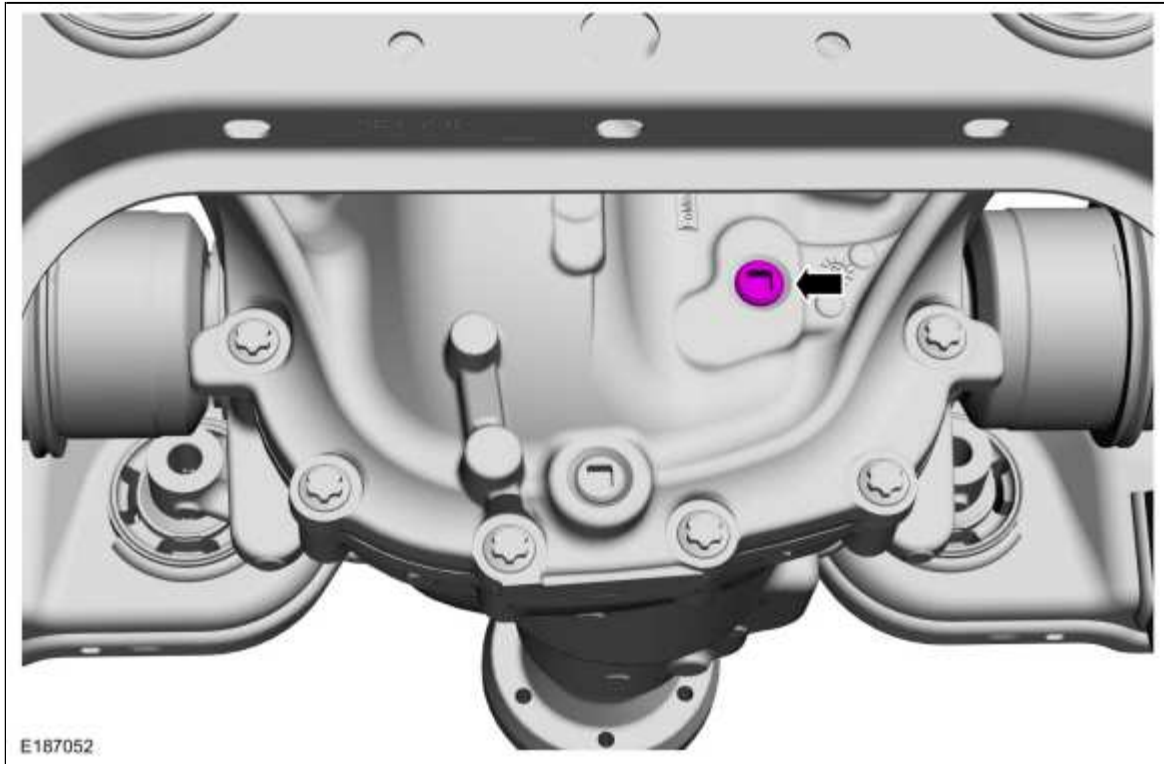


### Vehicles without a drain plug

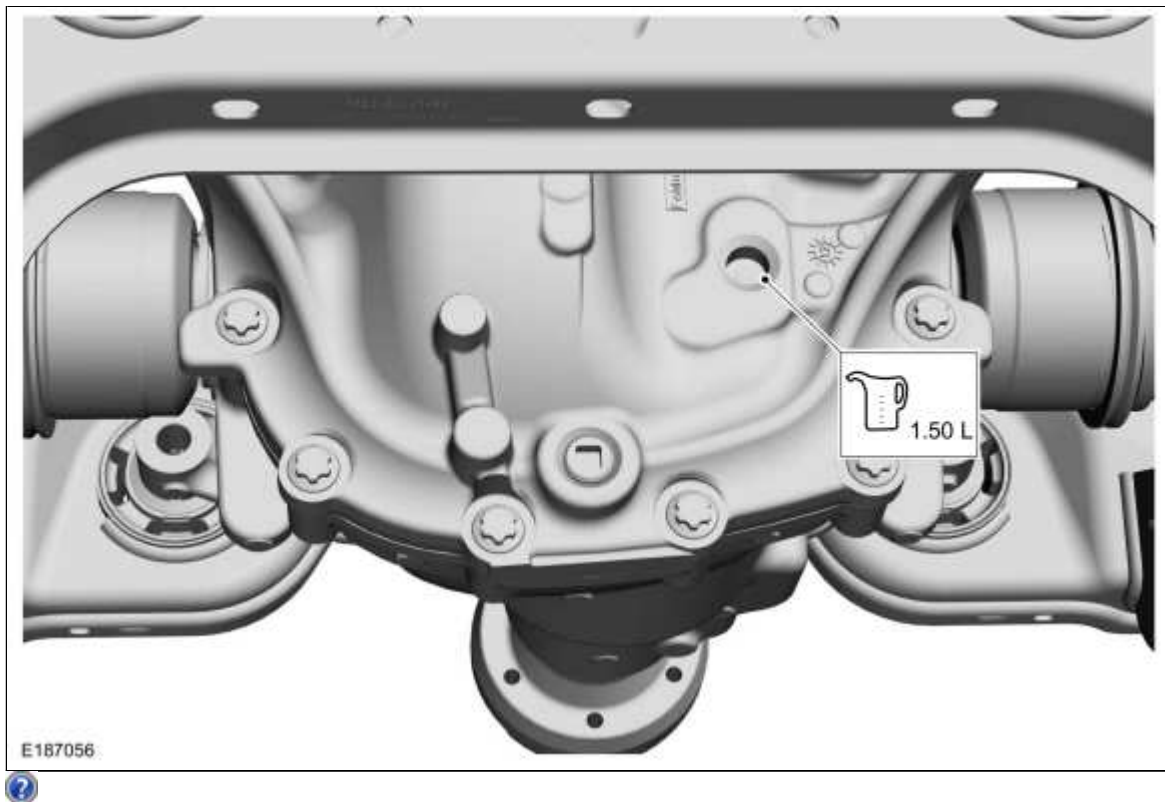
5. Remove the differential housing cover to drain the fluid.  
Refer to: [Differential Housing Cover](#) (205-02 Rear Drive Axle/Differential, Removal and Installation).

### Filling

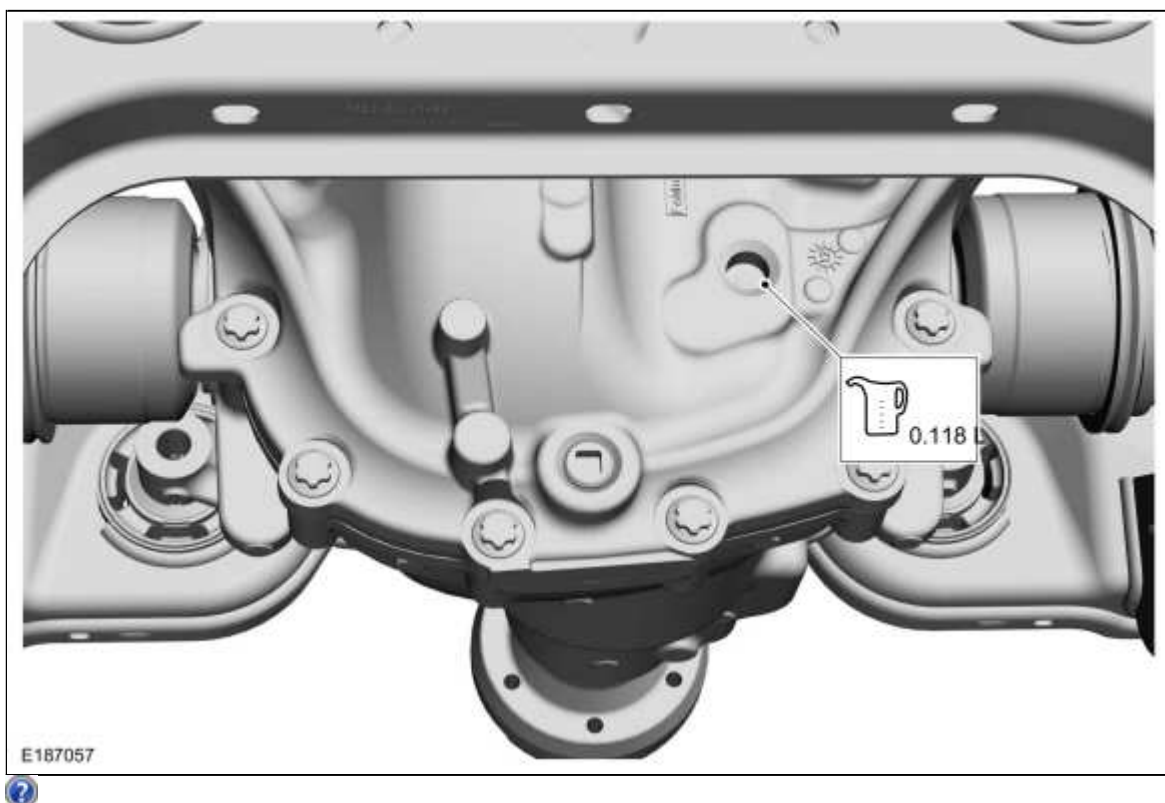
1. Remove the differential fill plug.



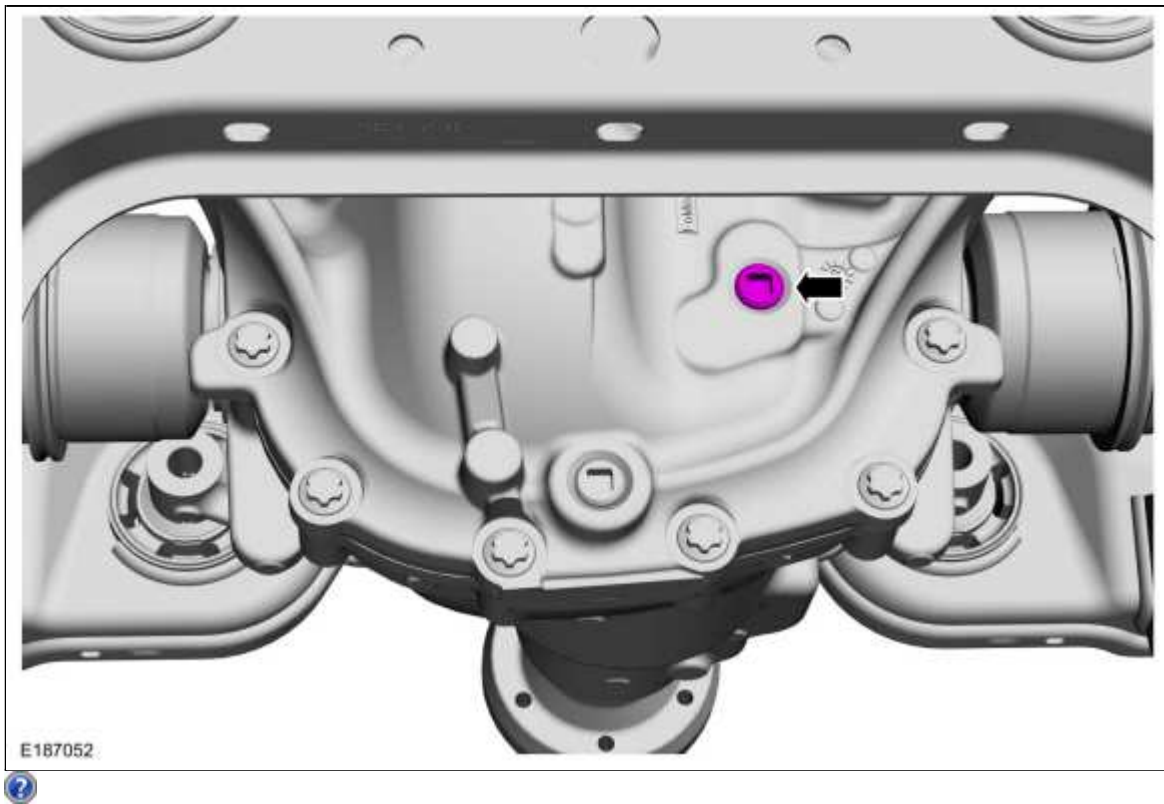
2. Fill the differential with 1.50 L (3.18 pts) of clean differential gear lubricant.  
**Material** : Motorcraft® SAE 75W-85 Premium Synthetic Hypoid Gear Lubricant / XY-75W85-QL (WSS-M2C942-A)



3. Fill the differential with 4.0 oz (0.118 L) of clean friction modifier.  
*Material* : Motorcraft® Additive Friction Modifier / XL-3 (EST-M2C118-A)



4. Install the differential fill plug.  
*Torque : 25 lb.ft (34 Nm)*



5. **NOTE:** *The differential gear lubricant level should be within 9mm (0.354 in.) from the fluid level fill plug opening.*

If equipped with a differential cooler, operate the differential cooler pump with a scan tool for two minutes and top off differential fluid.

**Material :** Motorcraft® SAE 75W-85 Premium Synthetic Hypoid Gear Lubricant / XY-75W85-QL (WSS-M2C942-A)