

205-03 Front Drive Axle/Differential  
Removal and Installation

2019 Ranger  
Procedure revision date: 12/13/2018

**Axle Shaft Seal**

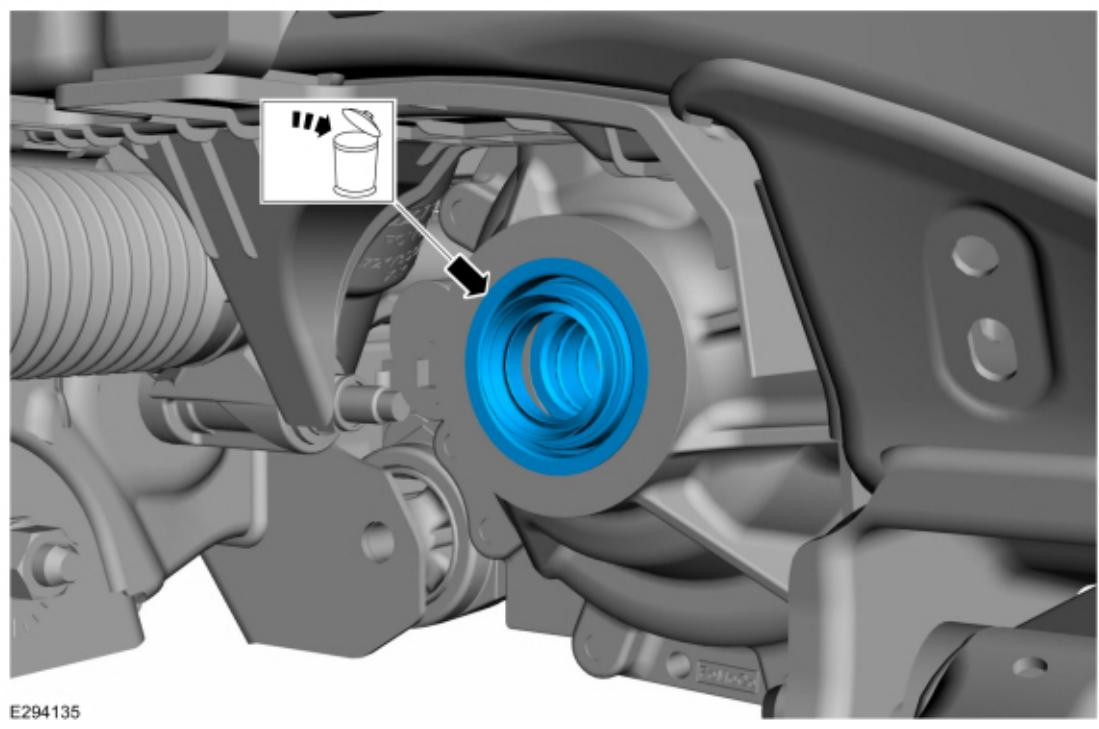
**Special Tool(s) / General Equipment**

	<b>205-1052</b> Installer, Axle Seal
	<b>205-153 (T80T-4000-W)</b> Handle
Transmission Jack	

**Removal**

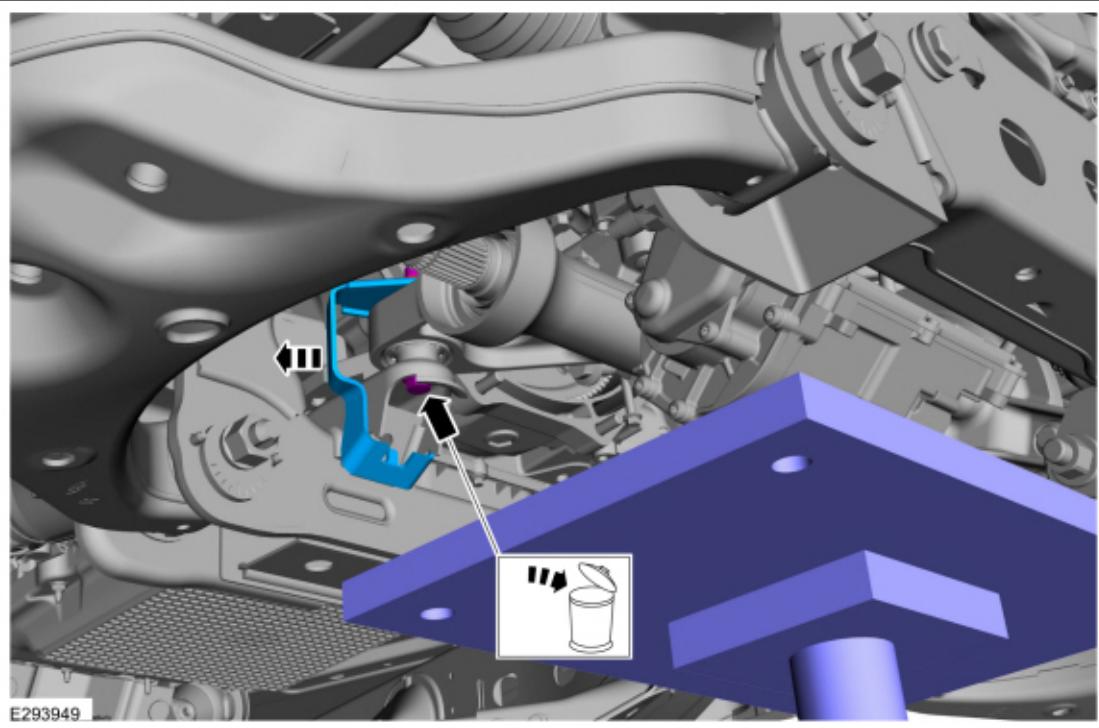
1. Remove the wheel and tire.  
Refer to: [Wheel and Tire](#) (204-04A Wheels and Tires, Removal and Installation).
2. Drain the front differential.  
Refer to: [Differential Draining and Filling](#) (205-03 Front Drive Axle/Differential, General Procedures).
3. Remove the front halfshafts.  
Refer to: [Front Halfshaft LH](#) (205-04 Front Drive Halfshafts, Removal and Installation).  
Refer to: [Front Halfshaft RH](#) (205-04 Front Drive Halfshafts, Removal and Installation).
4. LH side.  
Remove and discard the axle shaft seal.





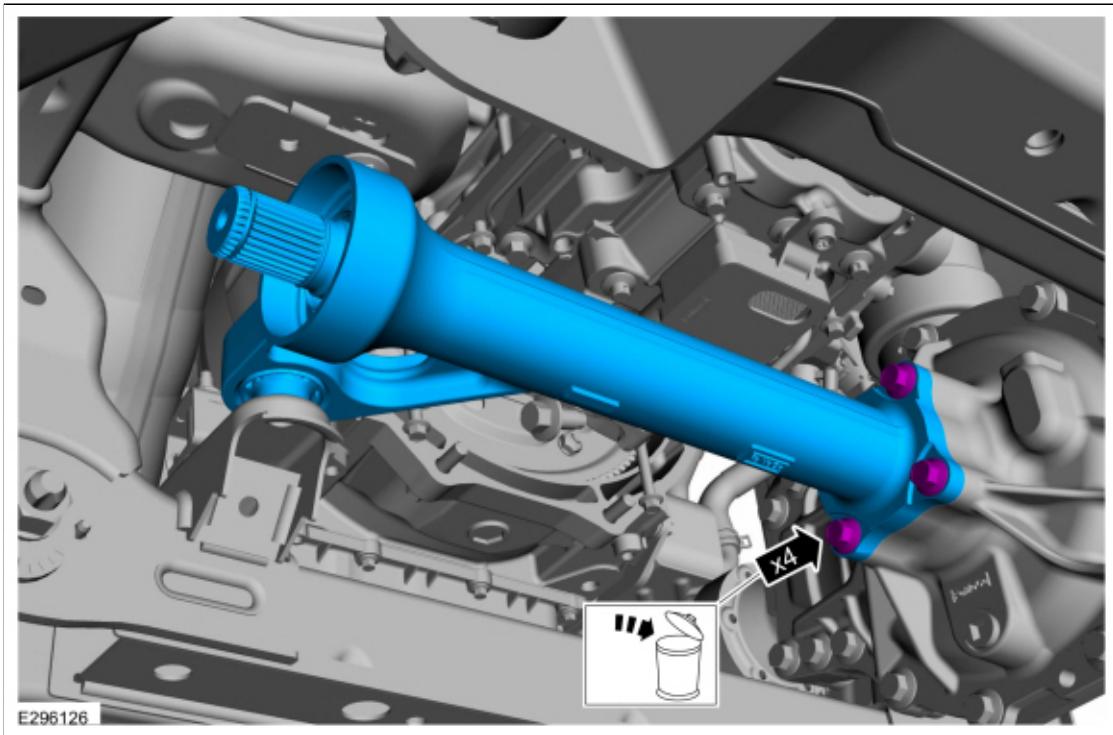
- Using transmission jack, support the front axle assembly and remove and discard the front axle tube bushing bolt and the support bracket.

Use the General Equipment: Transmission Jack

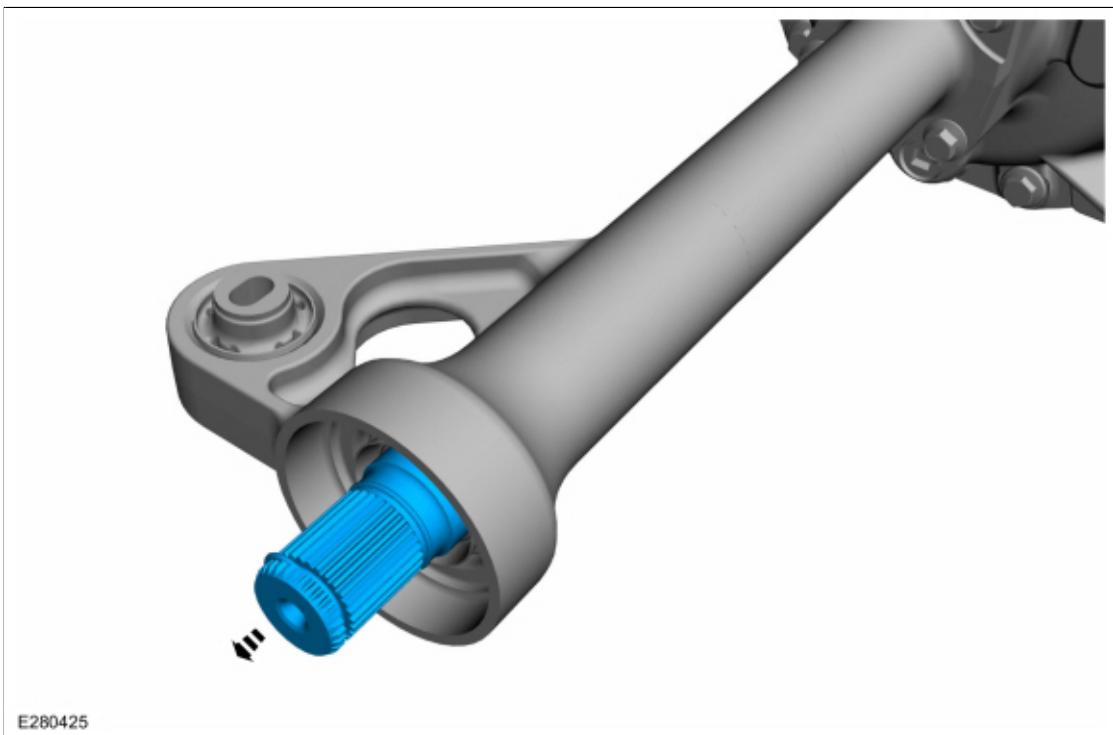


- Remove and discard the axle tube bolts and the axle tube.

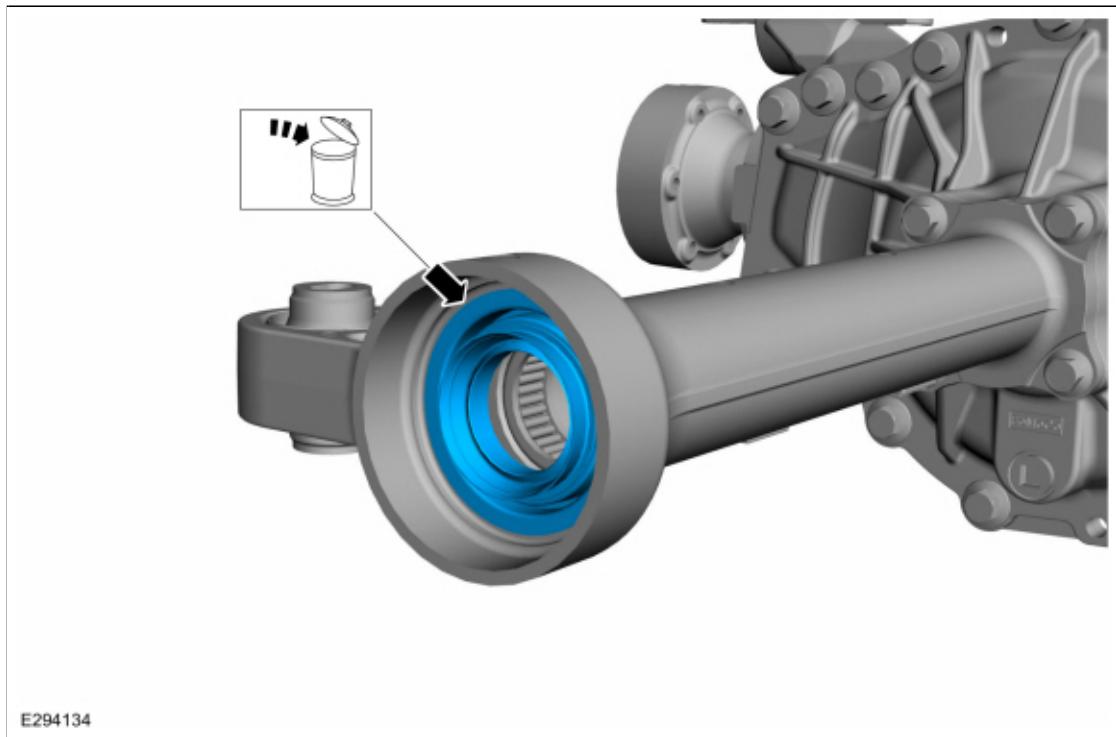
Use the General Equipment: Transmission Jack



7. Remove the axle shaft.



8. Remove and discard the axle shaft seal.

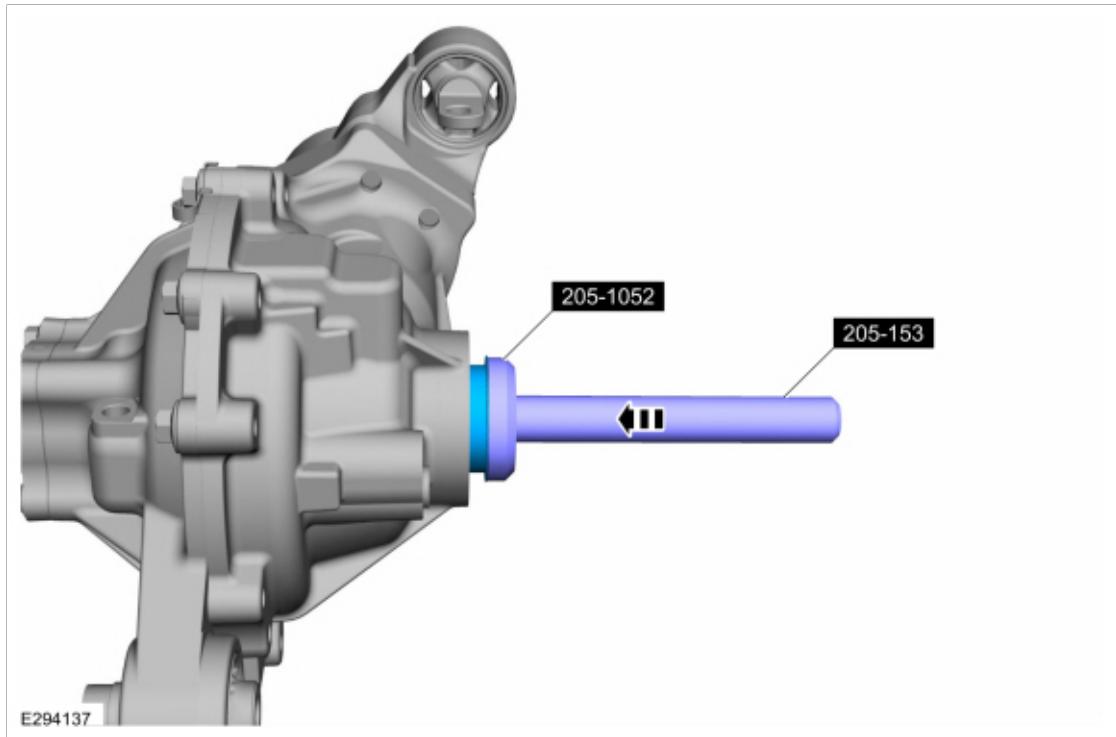


## Installation

### 1. LH side.

Using the special tools, install the new axle shaft seal.

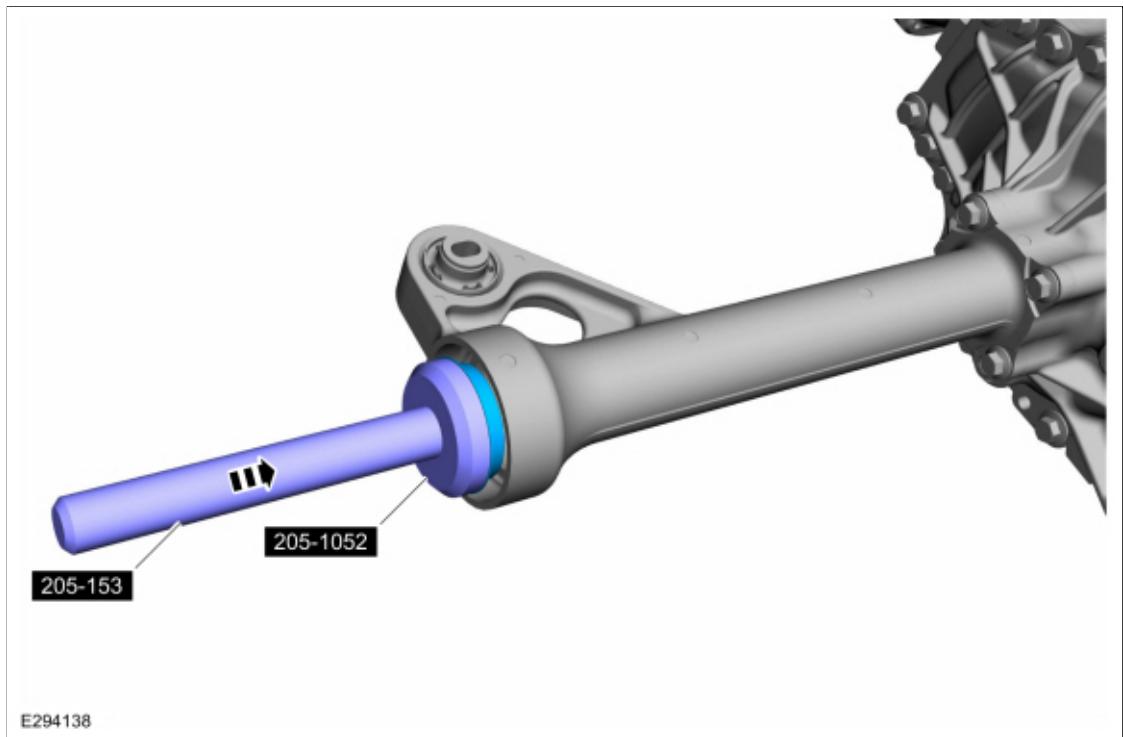
Use Special Service Tool: [205-153 \(T80T-4000-W\) Handle.](#) , [205-1052 Installer, Axle Seal.](#)



## 2. RH side.

Using the special tools, install the new axle shaft seal.

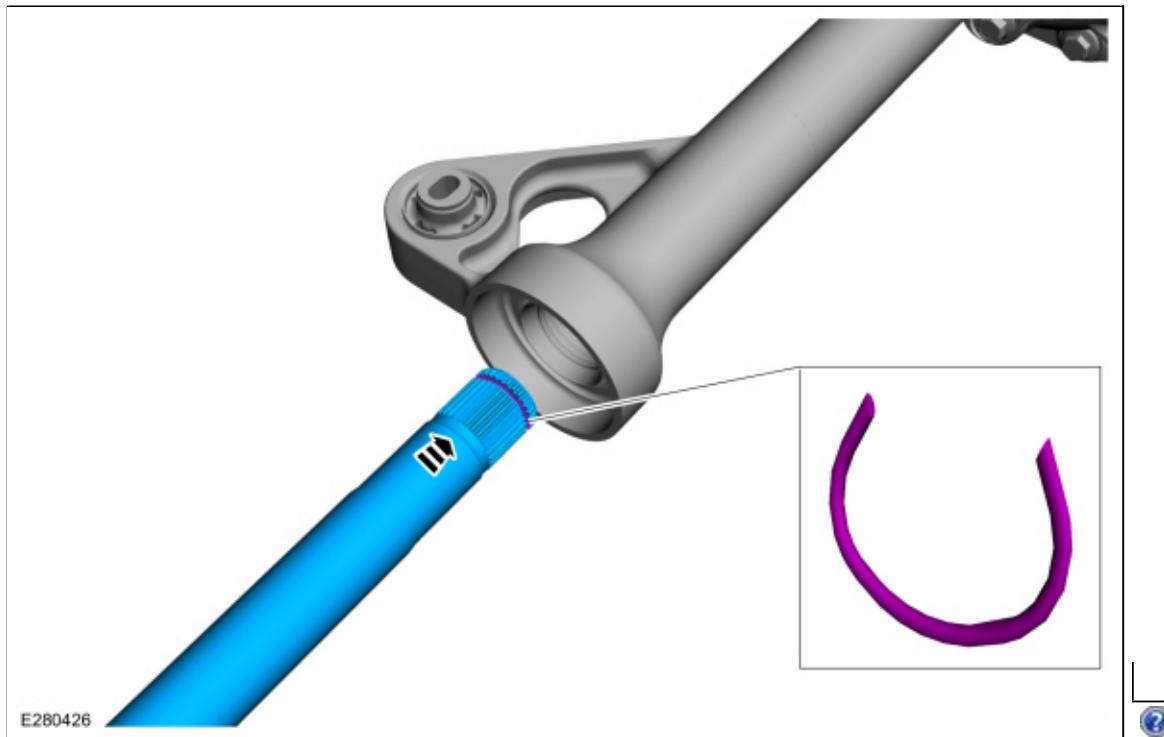
Use Special Service Tool: [205-153 \(T80T-4000-W\) Handle.](#) , [205-1052 Installer, Axle Seal.](#)

3. **NOTE:** Make sure that new component is installed.

Start one end of the retainer in the groove and work it over the halfshaft and into the groove to prevent the retainer from over expanding.

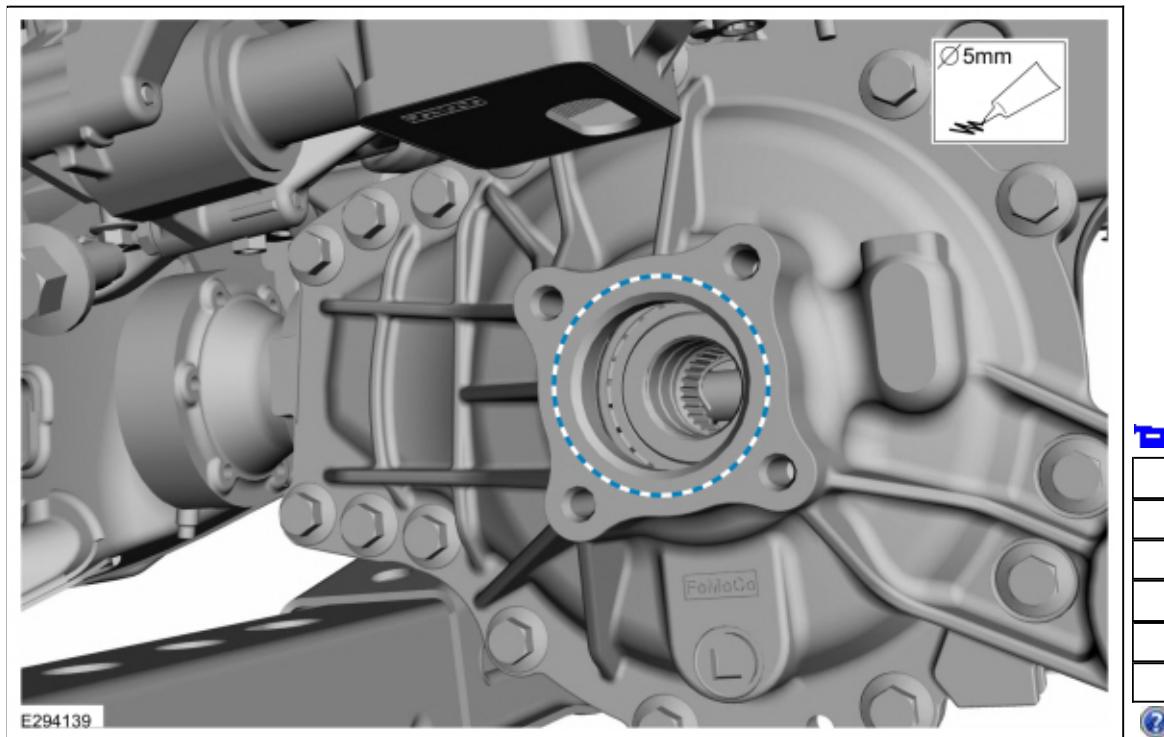
Install the axle shaft.





4. Material: WSS-M4G323-A8

Apply a new continuous bead of sealant to the differential housing cover as shown.

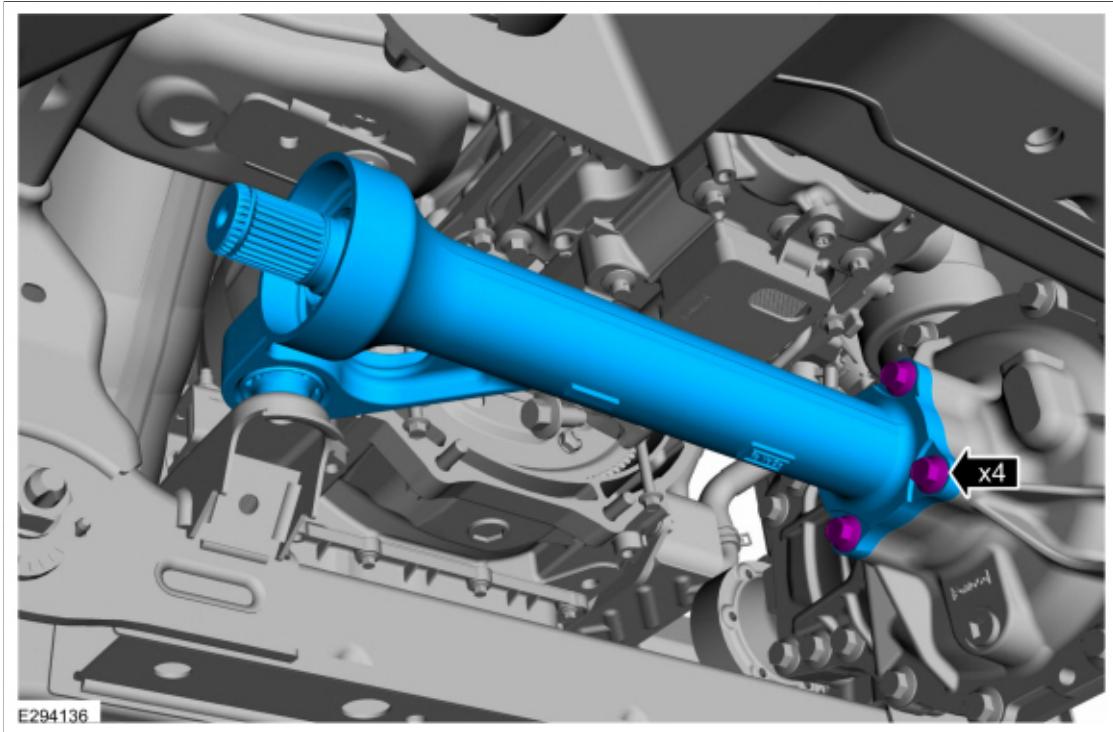


5. **NOTE:** Make sure that new bolts are installed.

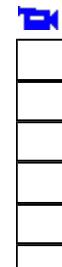
Install the front axle tube and bolts.

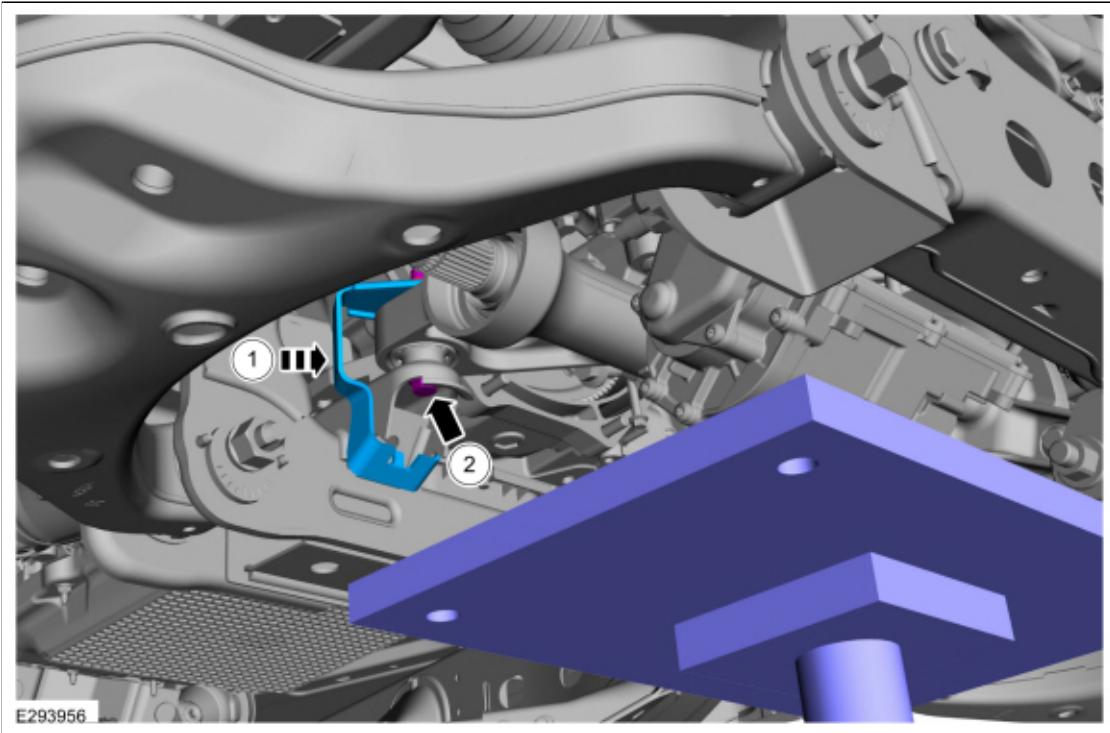
**Torque:**

Stage 1: 22 lb.ft (30 Nm)  
Stage 2: 35°

**6. NOTE: Make sure that new bolts are installed.**

Install the front axle tube bushing support bracket and the bolt. Lower the transmission jack.  
Use the General Equipment: Transmission Jack  
Torque: 52 lb.ft (70 Nm)





7. Fill the front differential.  
Refer to: [Differential Draining and Filling](#) (205-03 Front Drive Axle/Differential, General Procedures).
8. Install the front halfshafts.  
Refer to: [Front Halfshaft LH](#) (205-04 Front Drive Halfshafts, Removal and Installation).  
Refer to: [Front Halfshaft RH](#) (205-04 Front Drive Halfshafts, Removal and Installation).
9. Install the wheel and tire.  
Refer to: [Wheel and Tire](#) (204-04A Wheels and Tires, Removal and Installation).

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