



205-03 Front Drive Axle/Differential
Removal and Installation

2019 Ranger
Procedure revision date: 12/13/2018

Axle Tube Bushing

Special Tool(s) / General Equipment

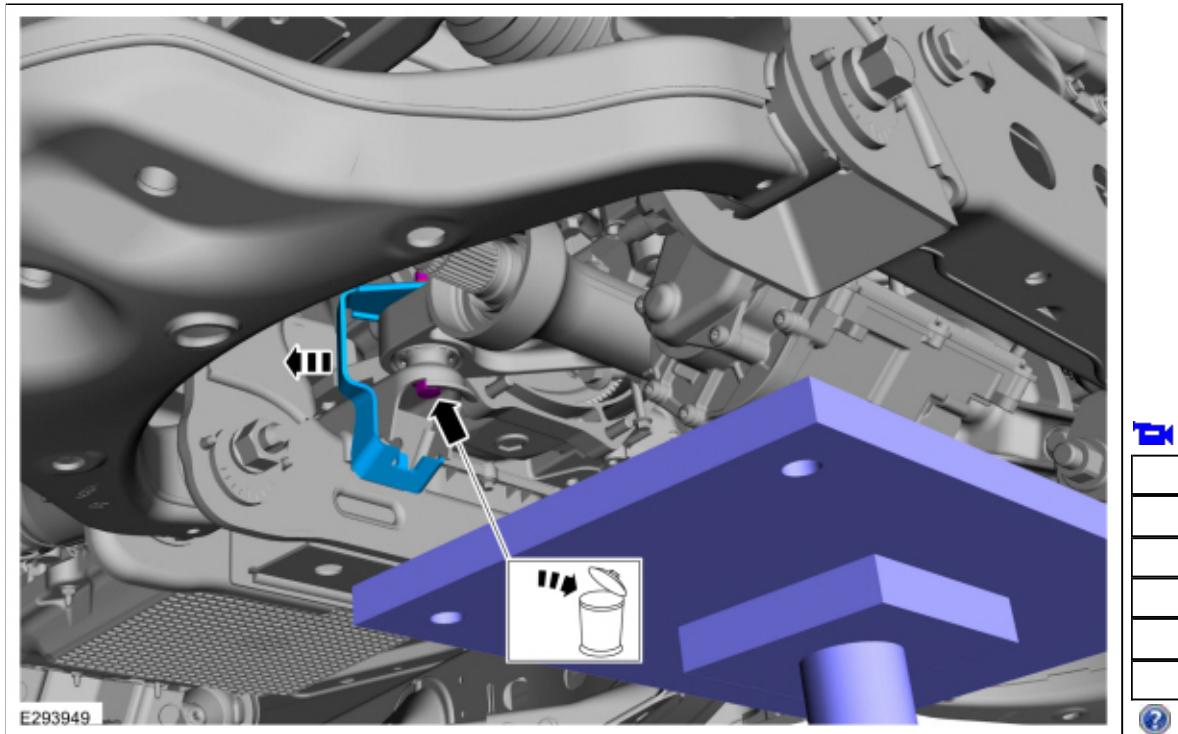
| | |
|--|---|
|  | 204-172 (T92T-3010-A) Remover/Installer, Ball Joint TKIT-1992-F/FM TKIT-1992-FLM |
|  E294699 | 205-1051 Remover/Installer, Axle Tube Bushing |
| Hydraulic Press | |
| Transmission Jack | |

Materials

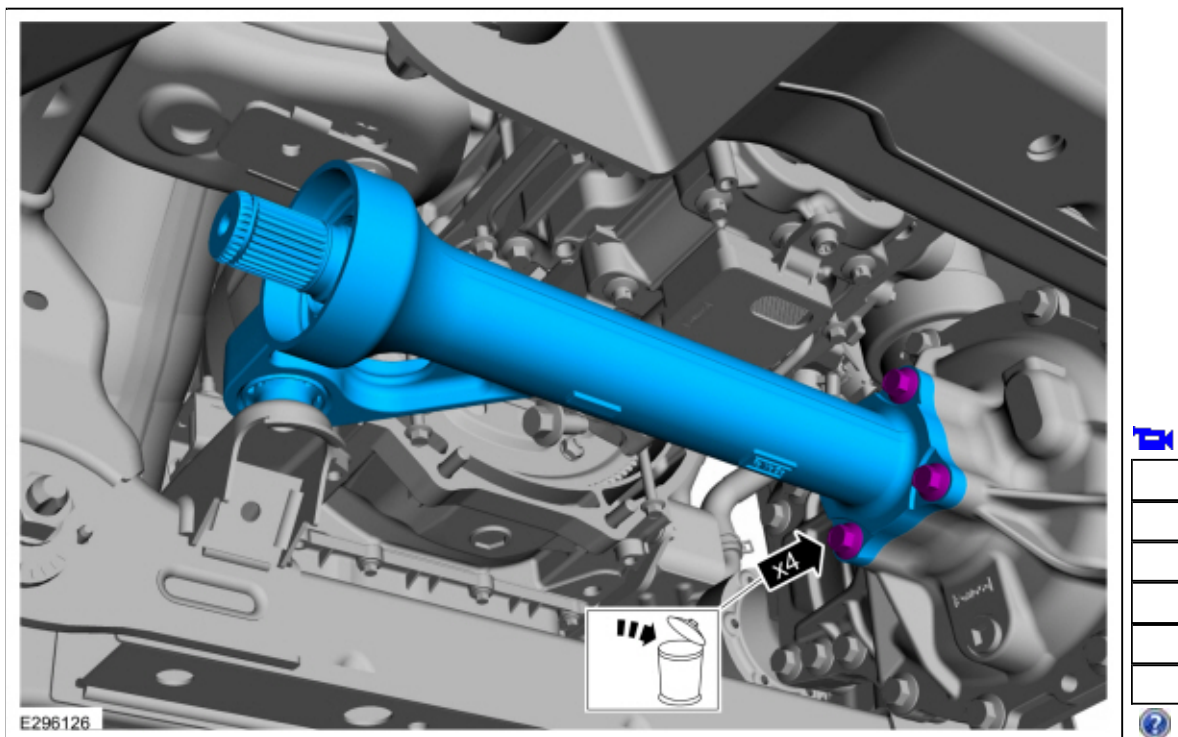
| Name | Specification |
|------------------|---------------|
| Silicone Sealant | WSS-M4G323-A8 |

Removal

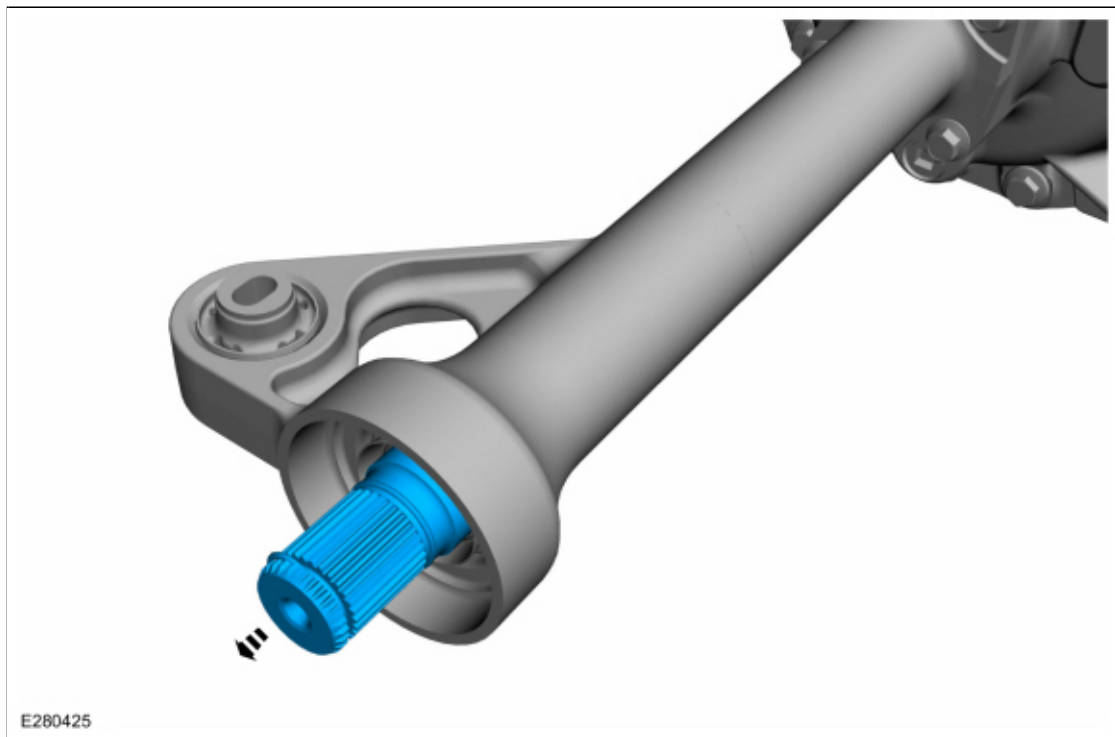
1. Remove the wheel and tire.
Refer to: [Wheel and Tire](#) (204-04A Wheels and Tires, Removal and Installation).
2. Drain the front differential.
Refer to: [Differential Draining and Filling](#) (205-03 Front Drive Axle/Differential, General Procedures).
3. Remove the front halfshafts.
Refer to: [Front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



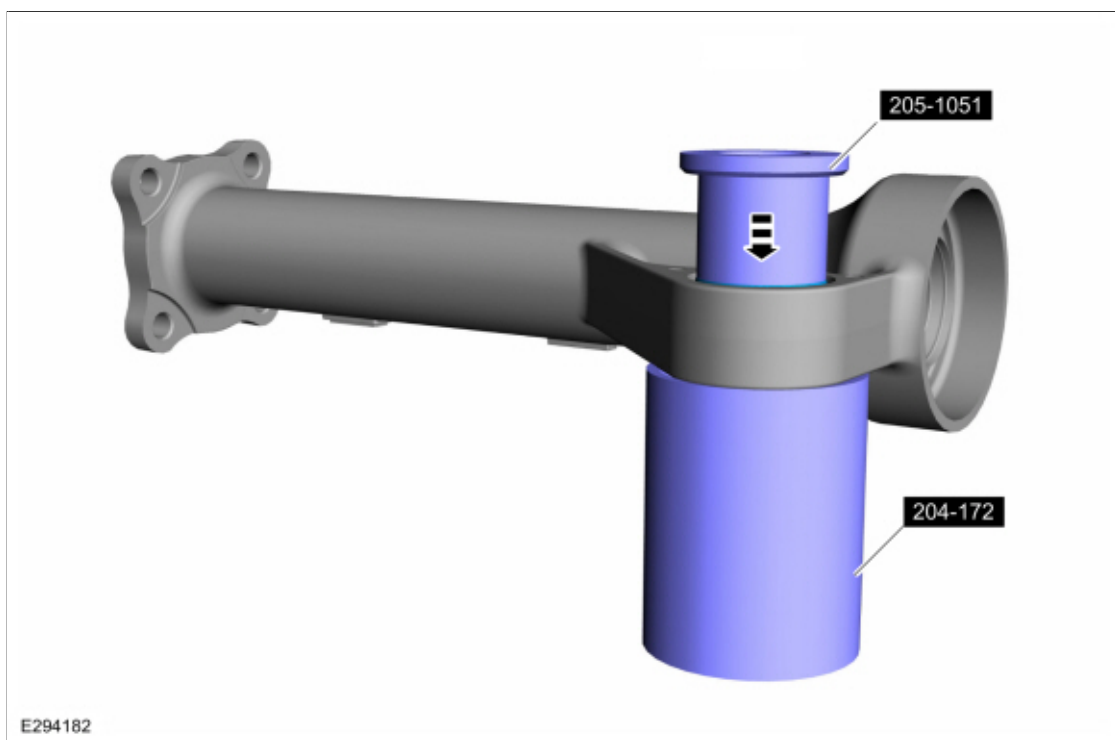
5. Remove and discard the axle tube bolts and the axle tube.
Use the General Equipment: Transmission Jack



6. Remove the axle shaft.

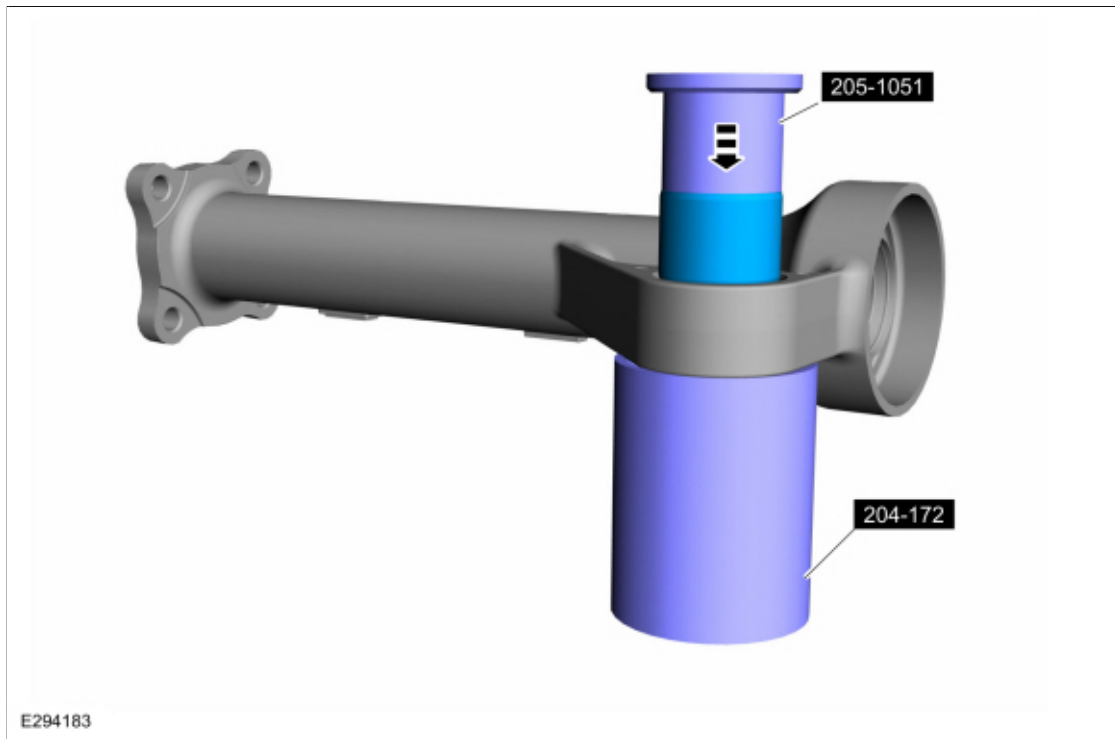


7. Remove the bushing from tube assembly.
 Use Special Service Tool: [204-172 \(T92T-3010-A\) Remover/Installer, Ball Joint.](#) , [205-1051 Remover/Installer, Axle Tube Bushing.](#)
 Use the General Equipment: Hydraulic Press



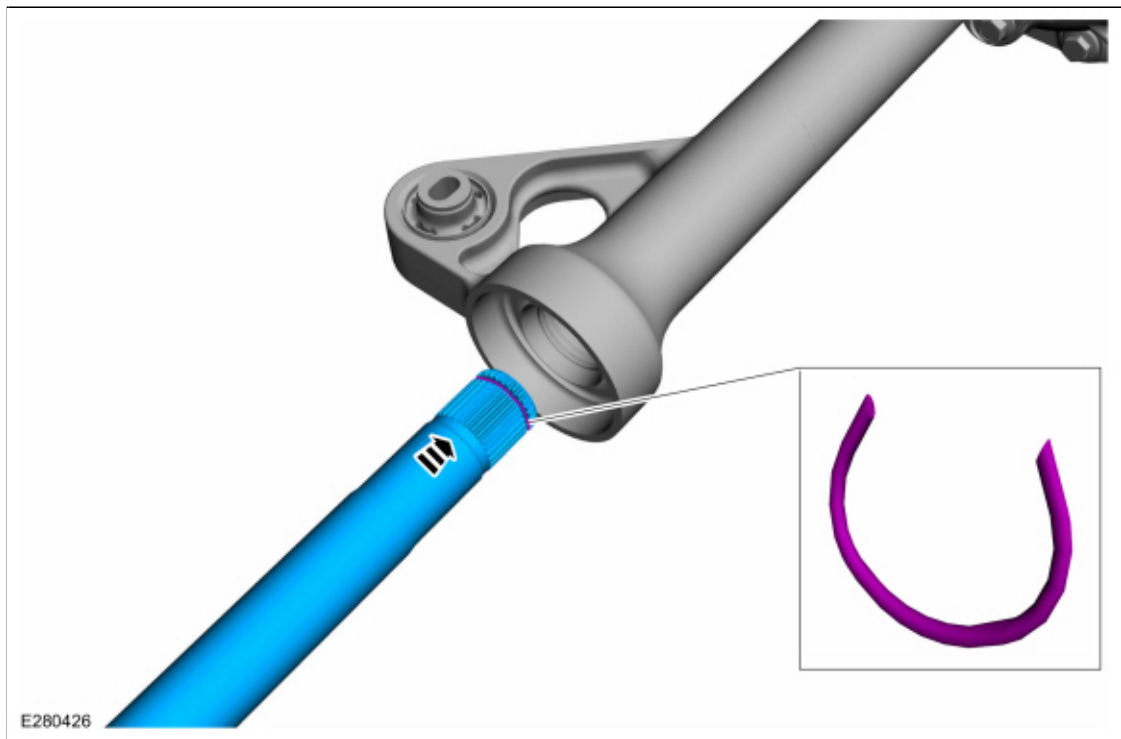
Installation

1. Install the bushing onto the tube assembly. Using the general equipment: press the bushing into place.
Use Special Service Tool: [204-172 \(T92T-3010-A\) Remover/Installer, Ball Joint.](#) , [205-1051 Remover/Installer, Axle Tube Bushing.](#)
Use the General Equipment: Hydraulic Press

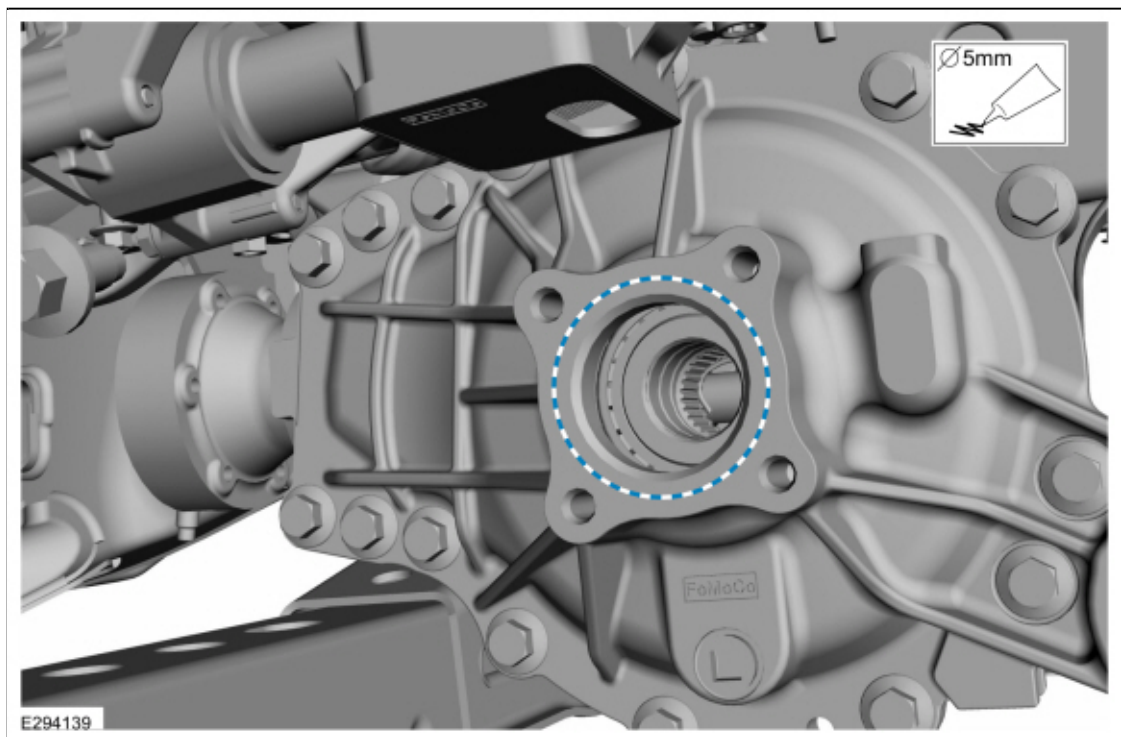


2. **NOTE:** Make sure that new component is installed.

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.



3. Apply a new continuous bead of sealant to the differential housing cover as shown.
Material: Silicone Sealant (WSS-M4G323-A8)



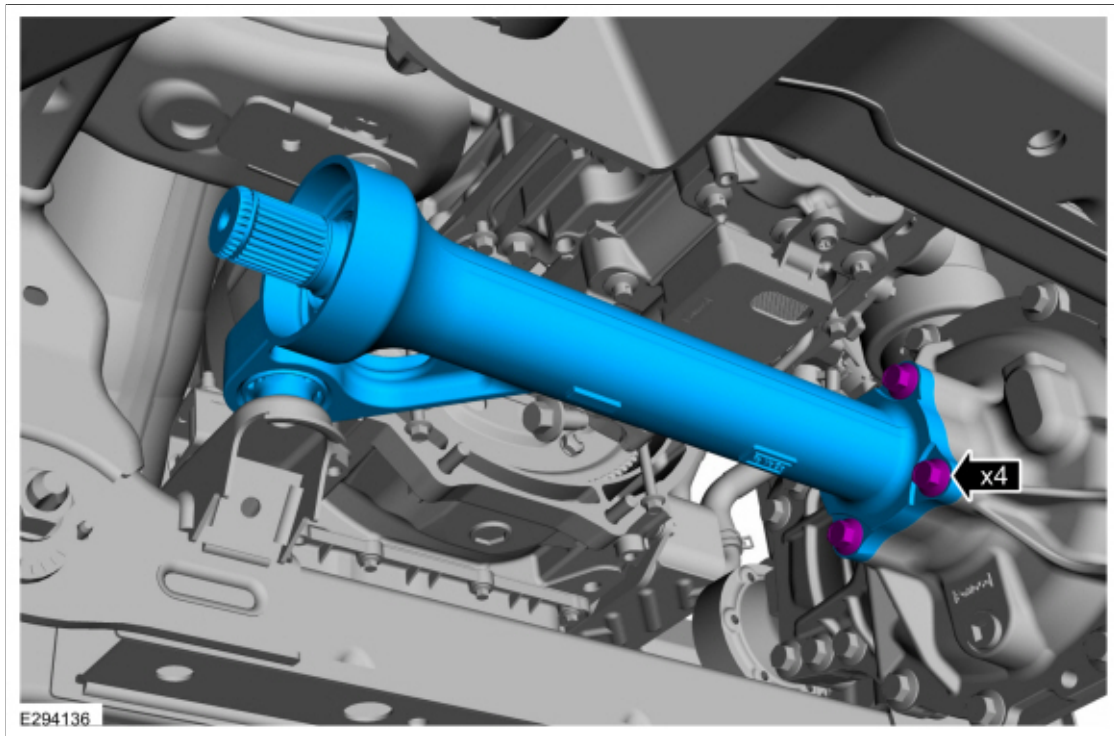
4. **NOTE:** Make sure that new bolts are installed.

Install the front axle tube and bolts.

Torque:

Stage 1: 22 lb.ft (30 Nm)

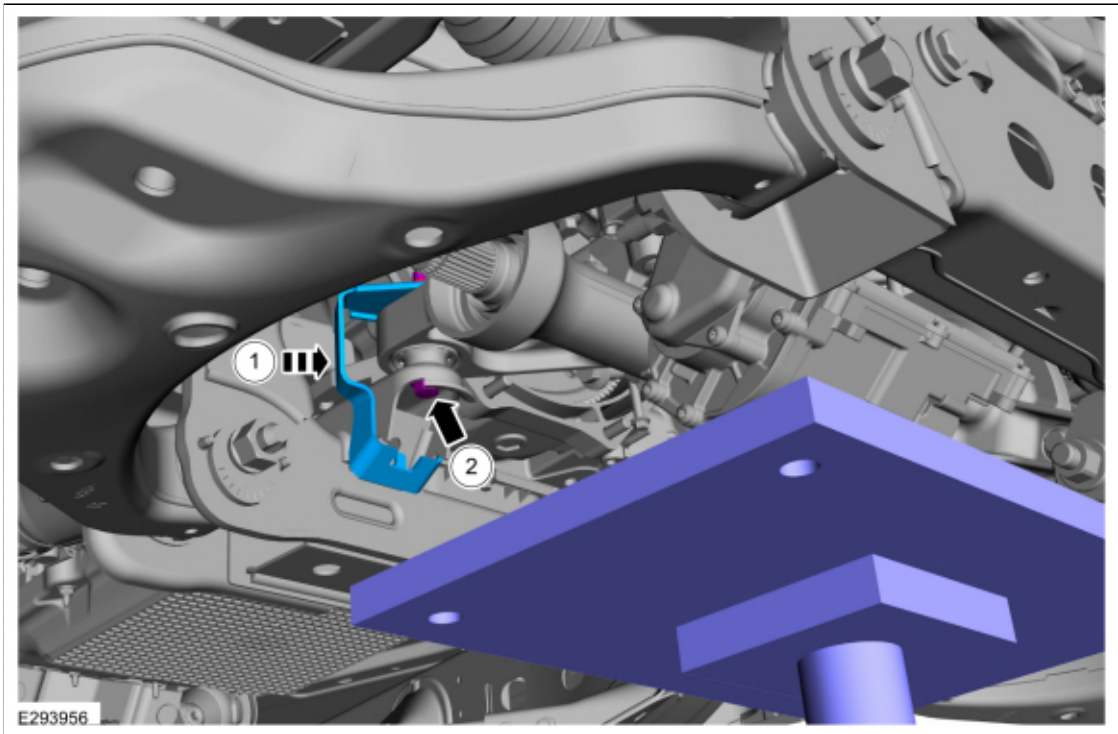
Stage 2: 35°



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

Install the front axle tube bushing support bracket and the bolt.

Torque: 52 lb.ft (70 Nm)



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

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