



205-04 Front Drive Halfshafts
Removal and Installation

2022 - 2023 Bronco
Procedure revision date: 03/16/2026

Intermediate Shaft

Special Tool(s) / General Equipment

 E129694	100-001 (T50T-100-A) Slide Hammer
 E294700	205-1052 Installer, Axle Seal
 E294700	205-1053 Installer, Axle Tube Needle Bearing
 E133913	205-153 (T80T-4000-W) Handle



E142027

TKIT-1987-FLM

Rubber Mallet

Transmission Jack
Punch

Removal

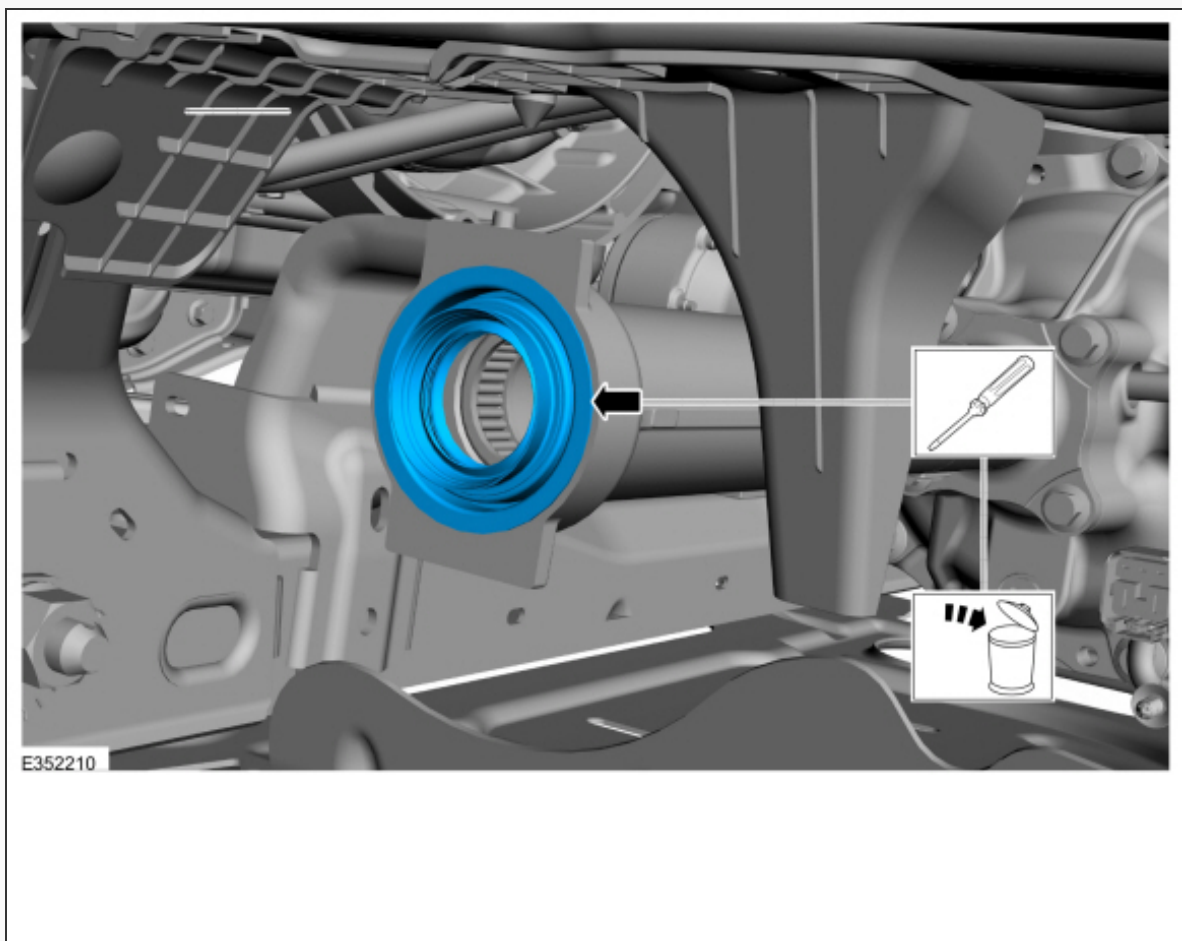
1. **NOTICE:** Make sure that the halfshaft seal protector is installed.

NOTE: Be prepare to collect escaping fluid.

Remove the front RH halfshaft.

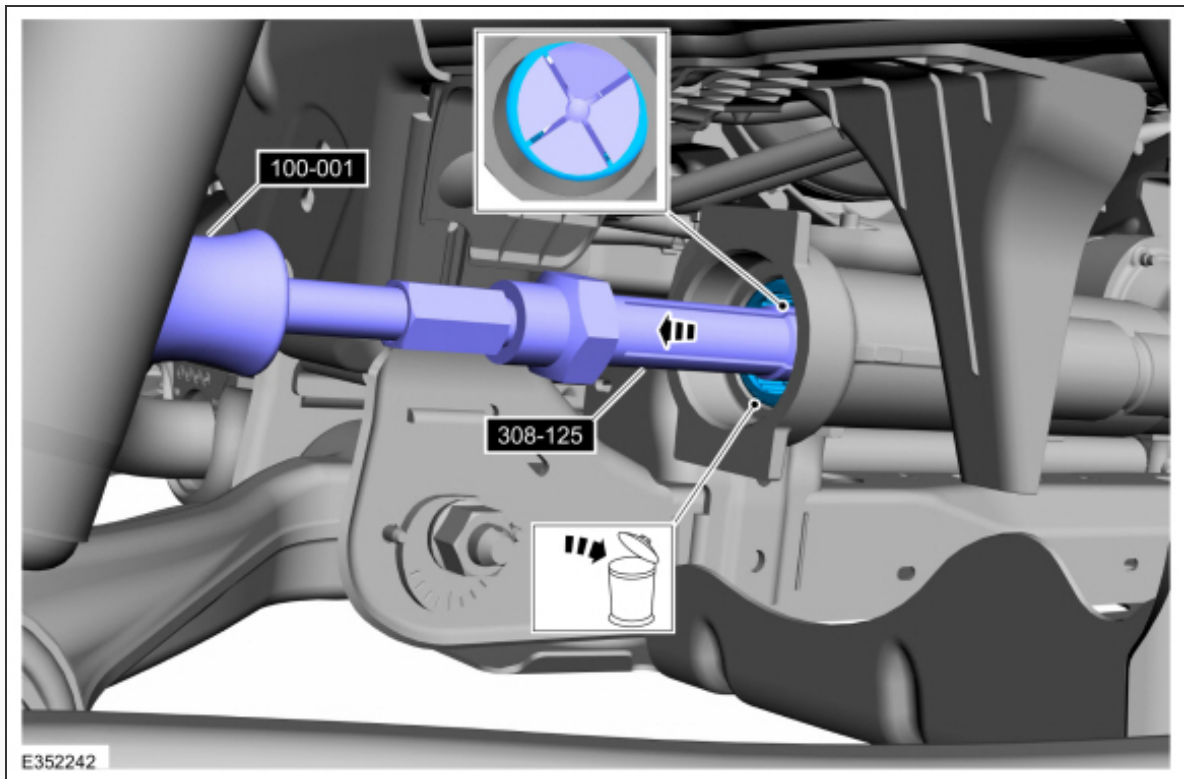
Refer to: [Halfshaft](#) (205-04 Front Drive Halfshafts, Removal and Installation).

2. Remove and discard the RH halfshaft seal.

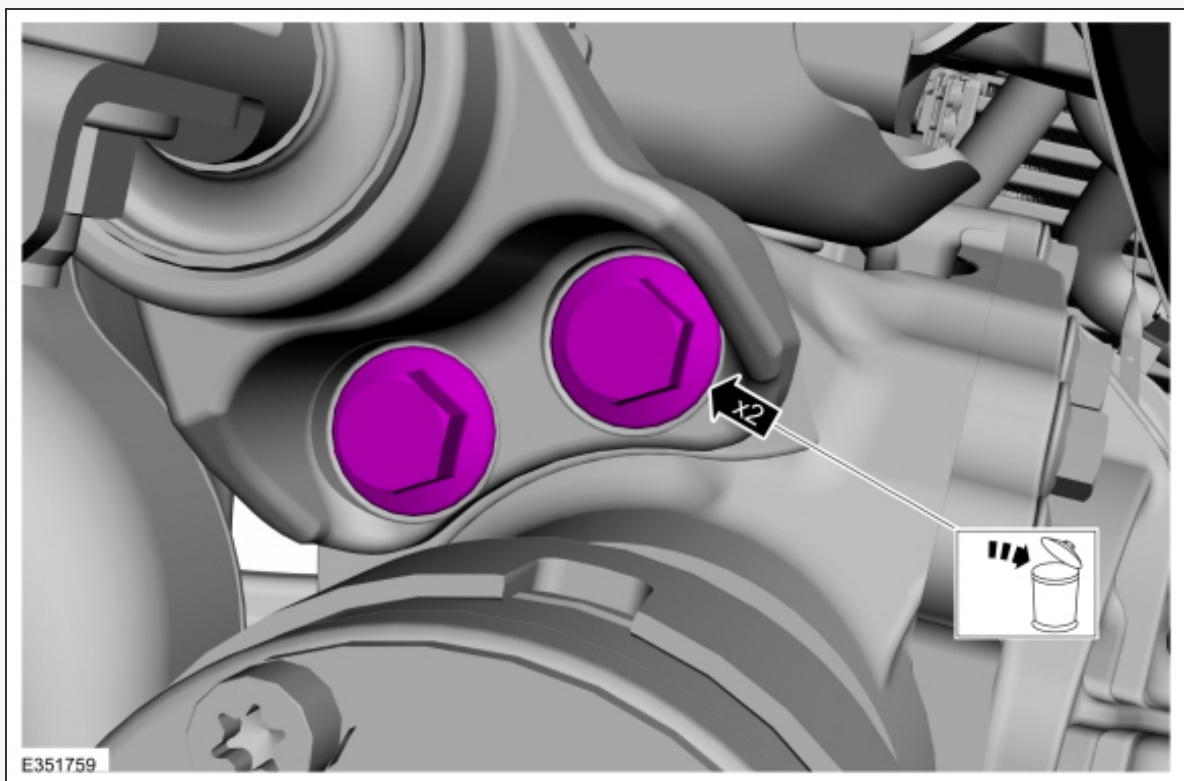


3. Using special tool and a slide hammer, remove and discard the axle shaft pilot bearing.

Use Special Service Tool: [100-001 \(T50T-100-A\) Slide Hammer](#). , [308-125 Remover, Transfer Case Bearing](#).

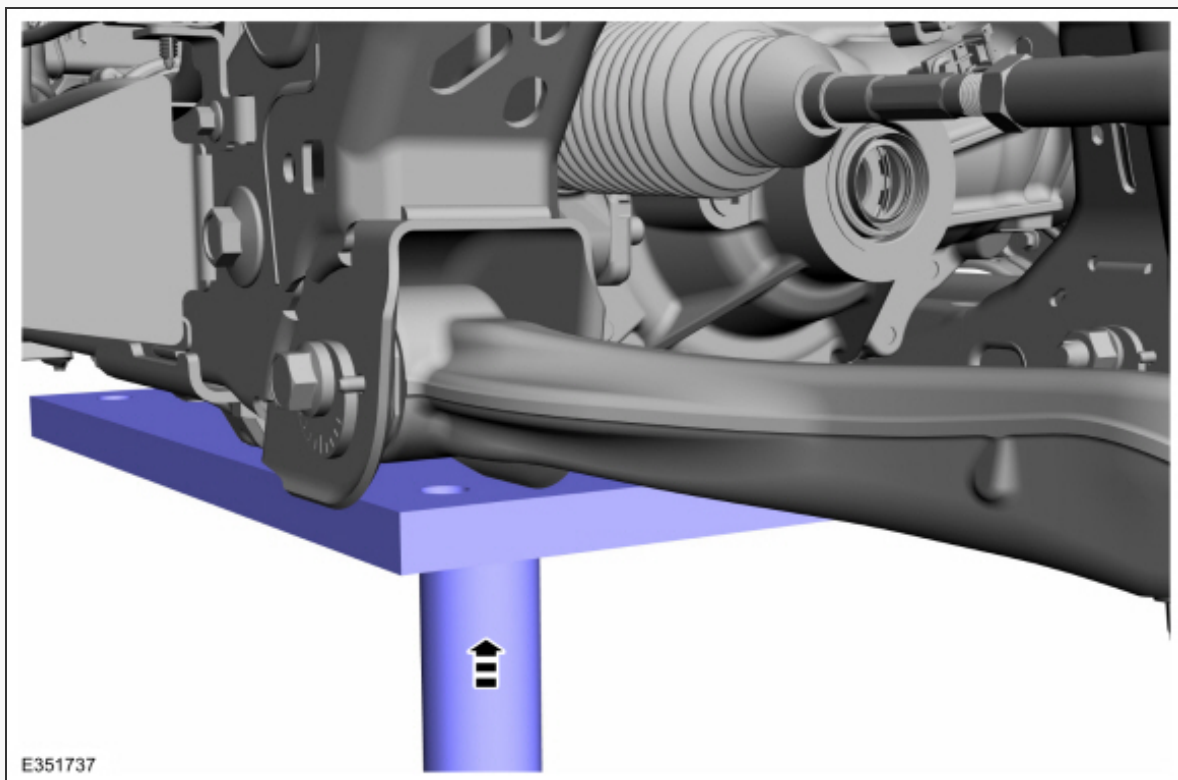


4. Remove and discard the front axle carrier mounting bracket bolts.

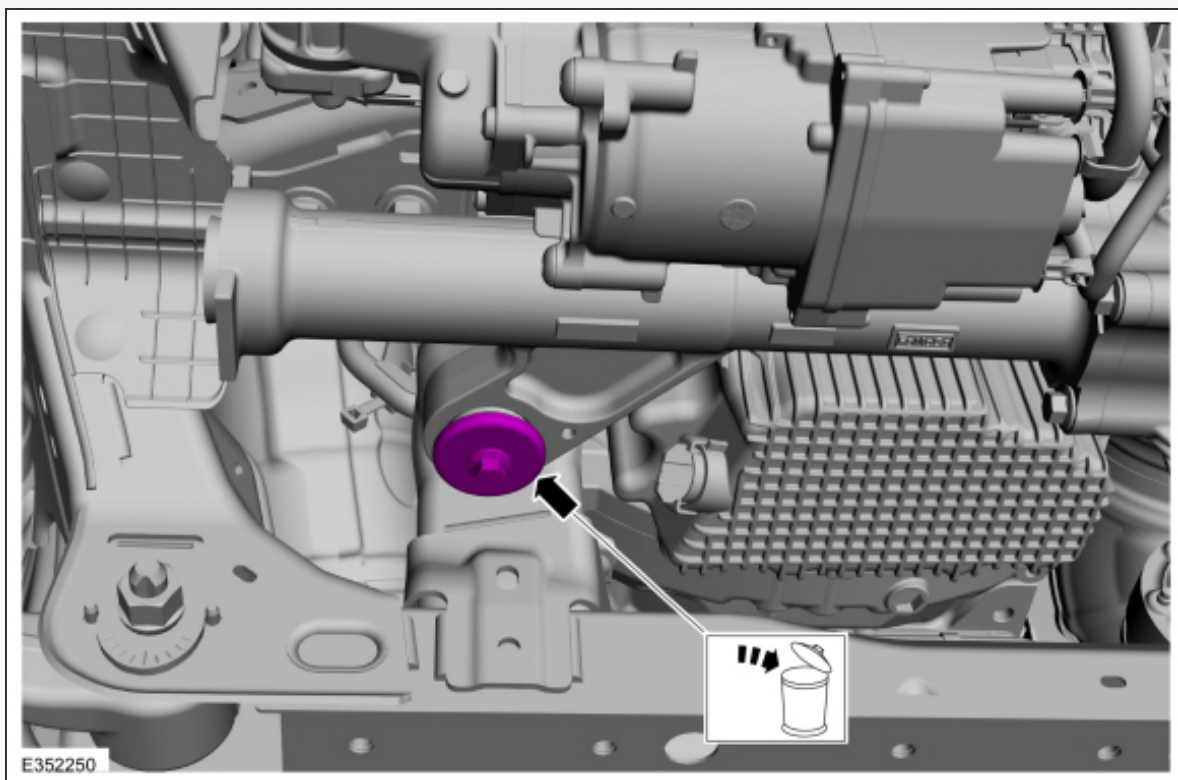


5. Using transmission jack, support the front axle assembly.

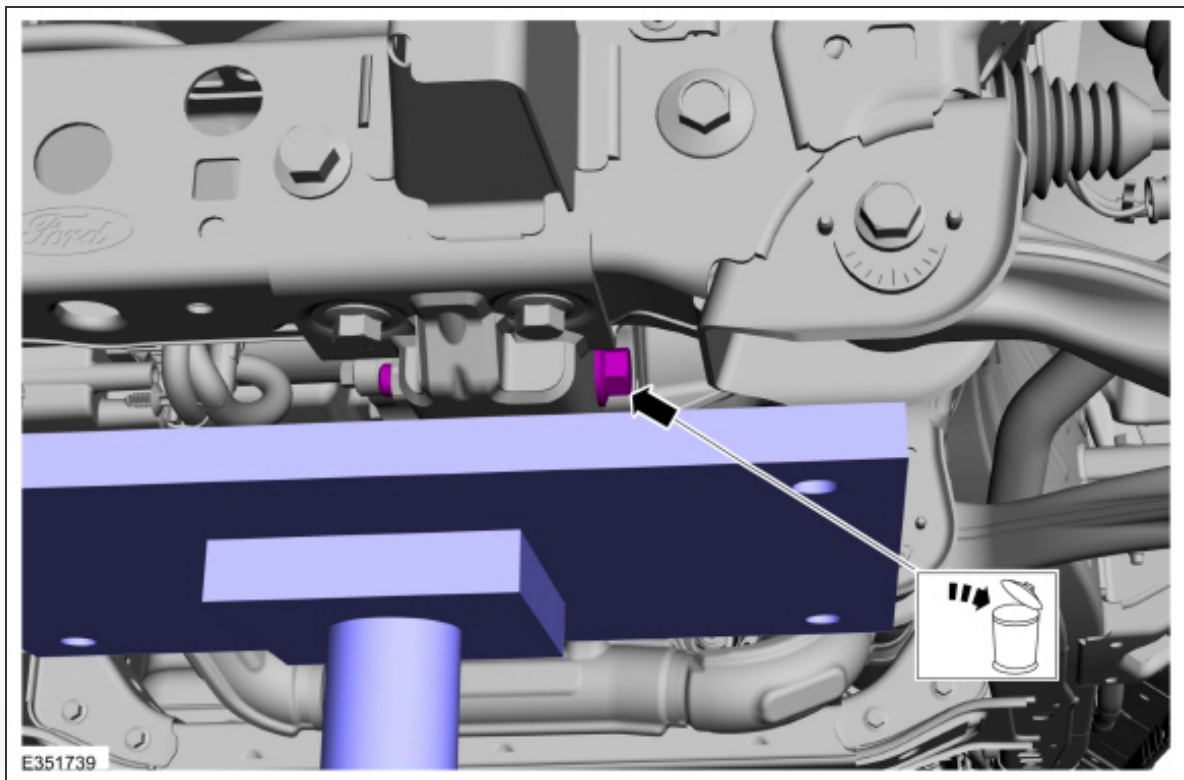
Use the General Equipment: Transmission Jack



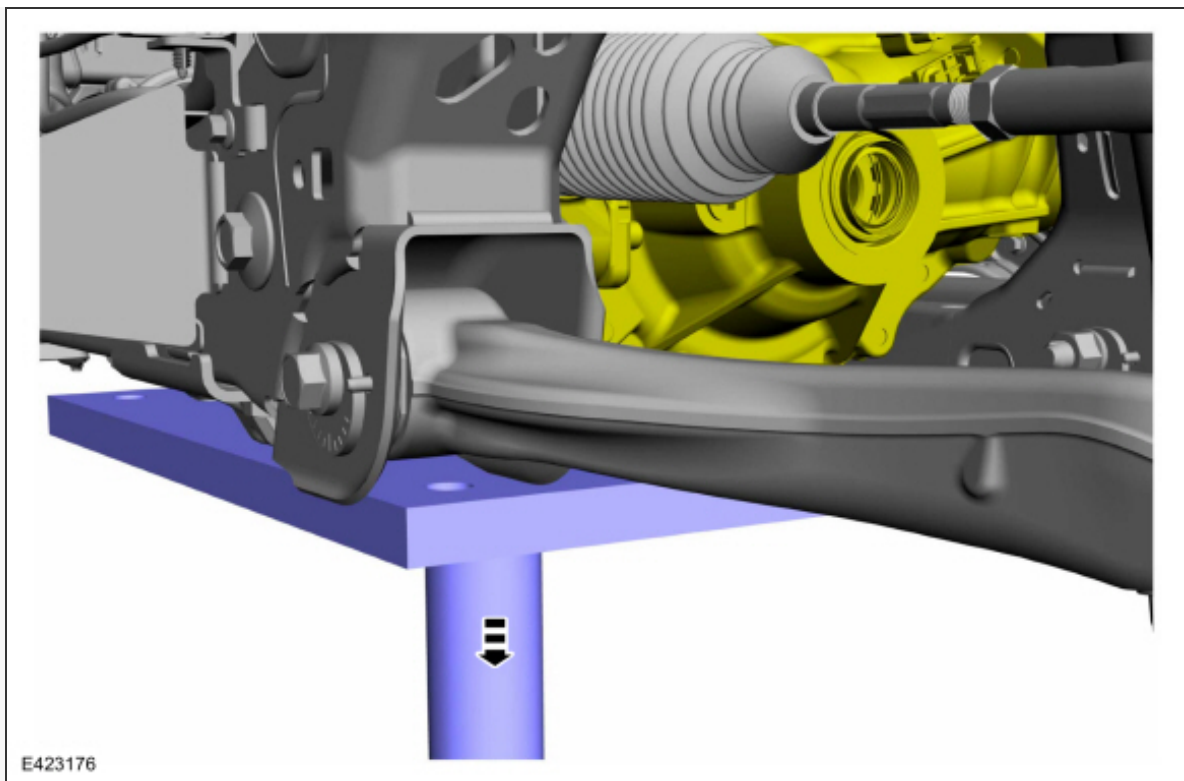
6. Remove and discard the front axle tube bushing bolt.



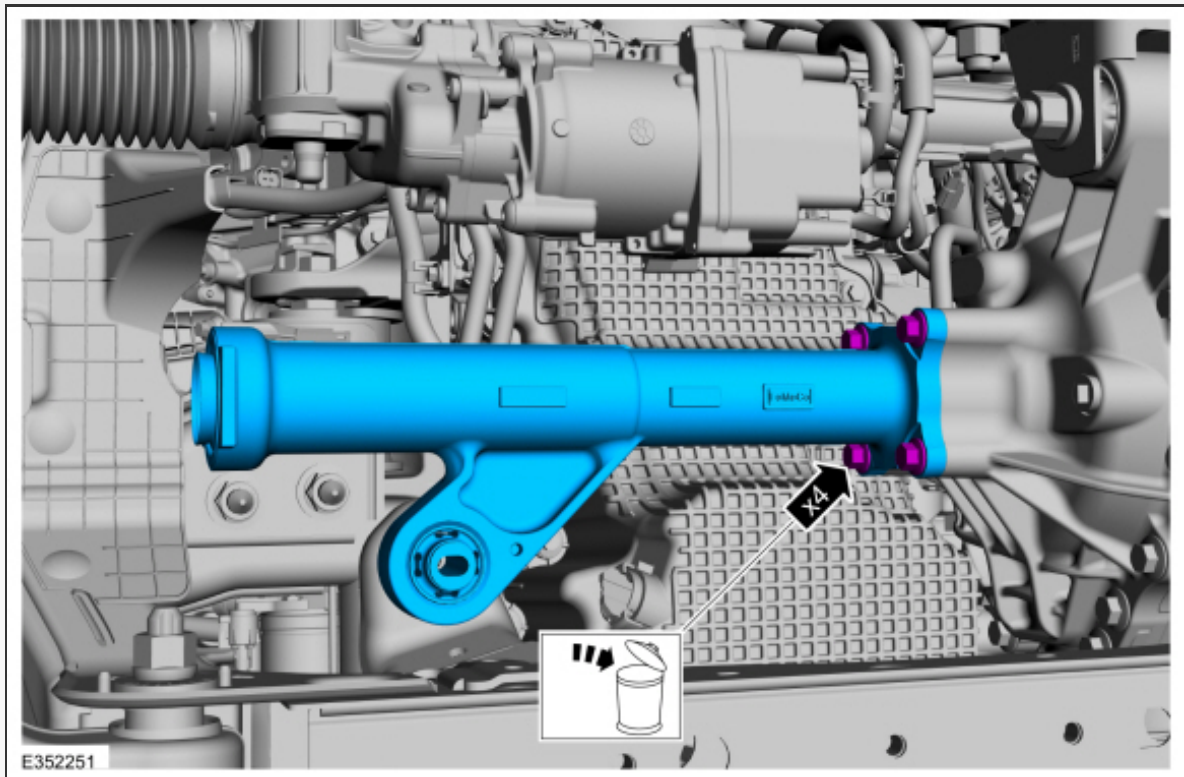
7. Remove and discard the front axle cover bushing bolt.
Use the General Equipment: Transmission Jack



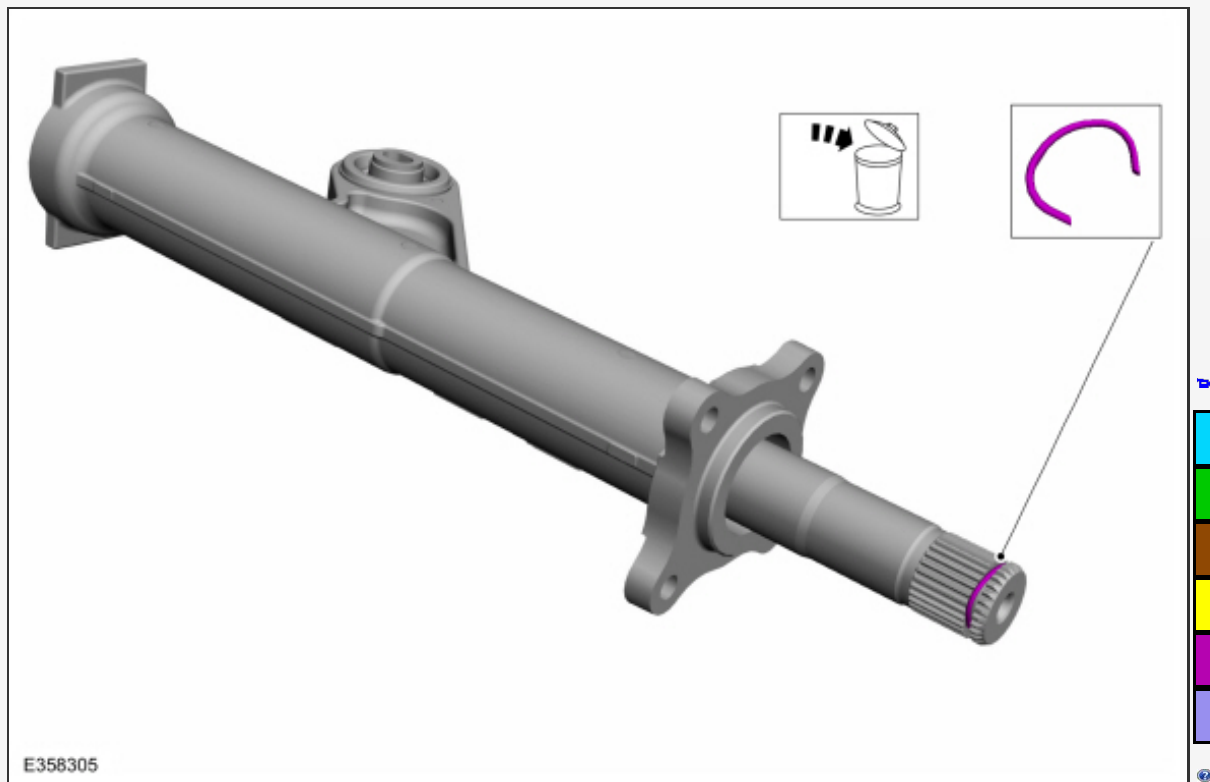
8. Lower the transmission jack and the front axle assembly.
Use the General Equipment: Transmission Jack



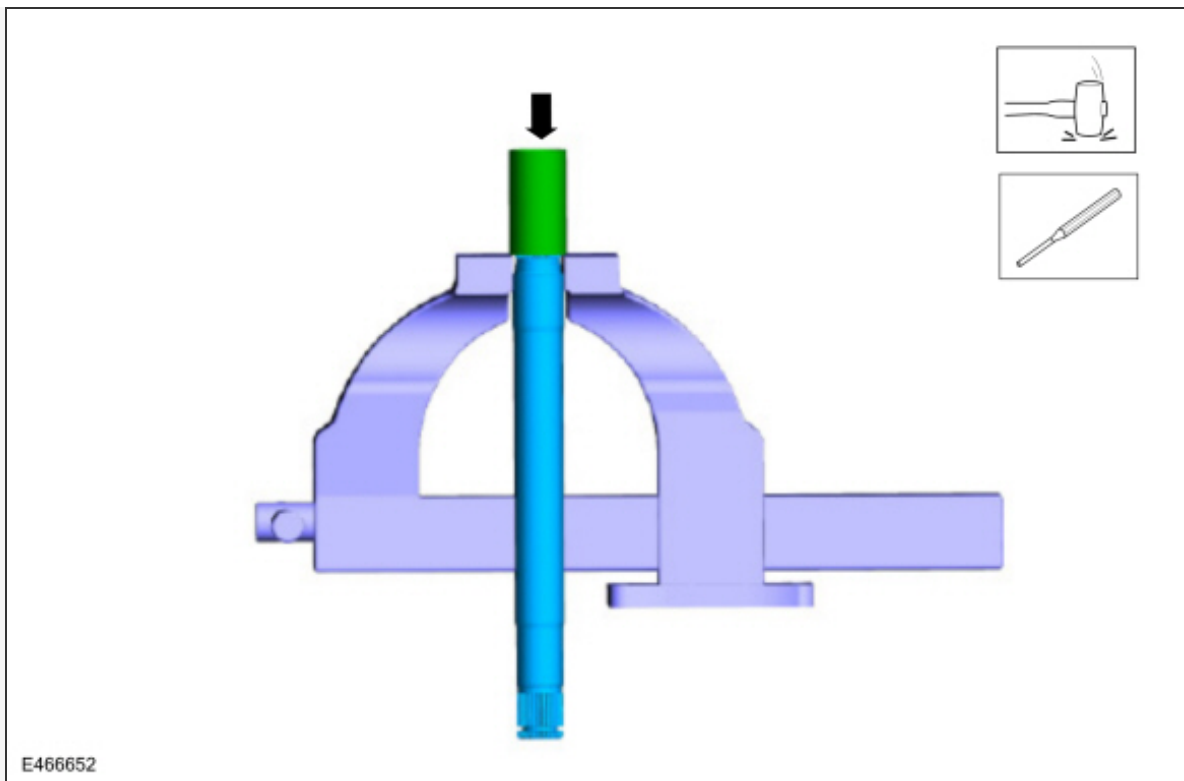
9. Remove and discard the bolts. Remove the axle tube.
Use the General Equipment: Transmission Jack



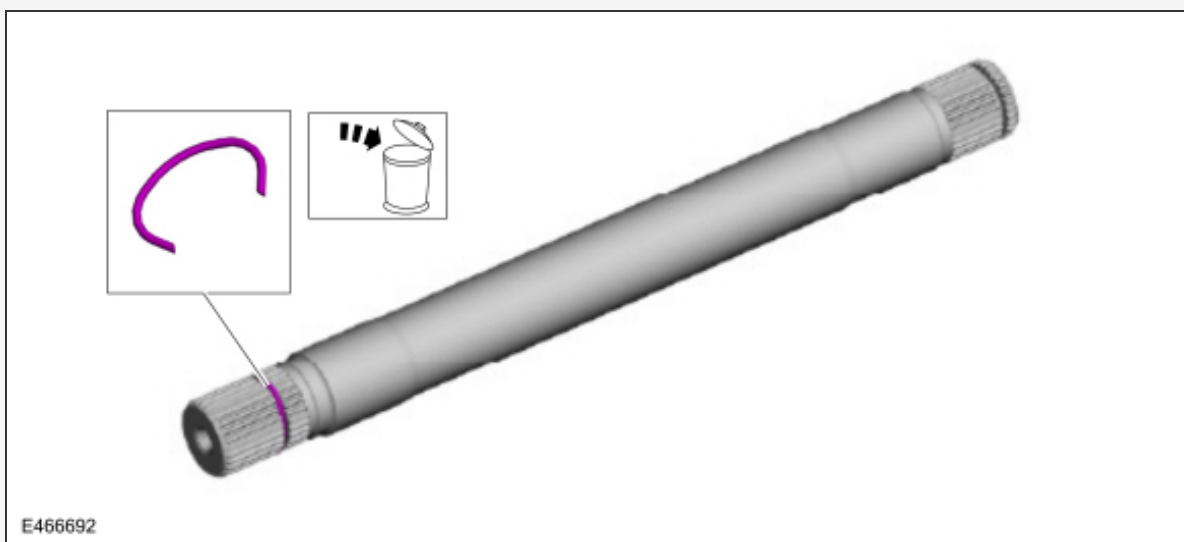
10. Remove and discard the axle tube circlip.



11. Place the intermediate shaft in a vise. Using a mallet and punch, remove the intermediate shaft from the axle shaft sleeve.
Use the General Equipment: Rubber Mallet
Use the General Equipment: Punch

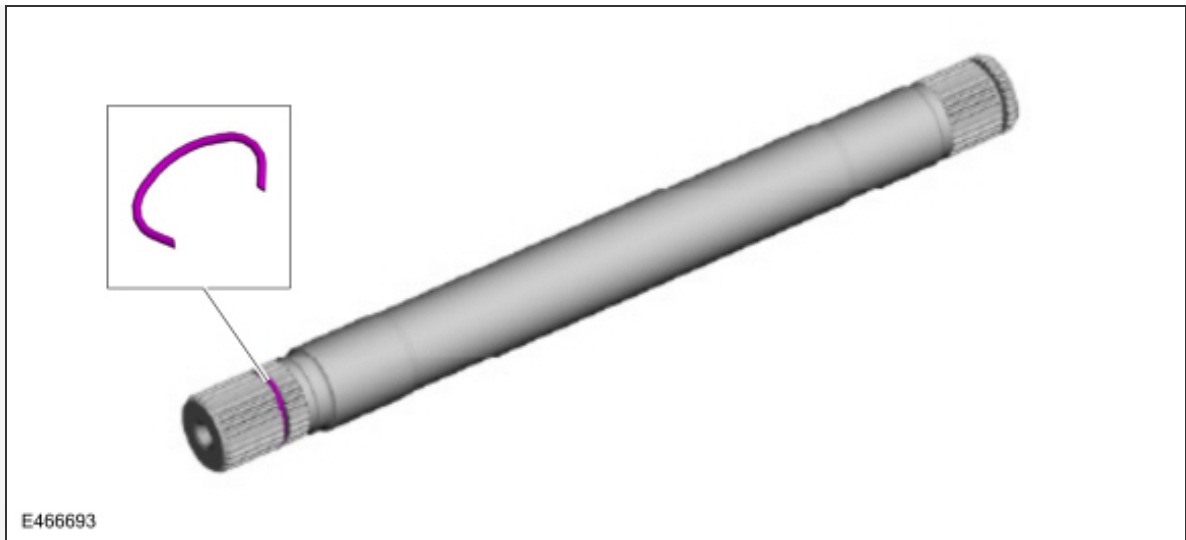


12. Remove and discard the axle shaft circlip.



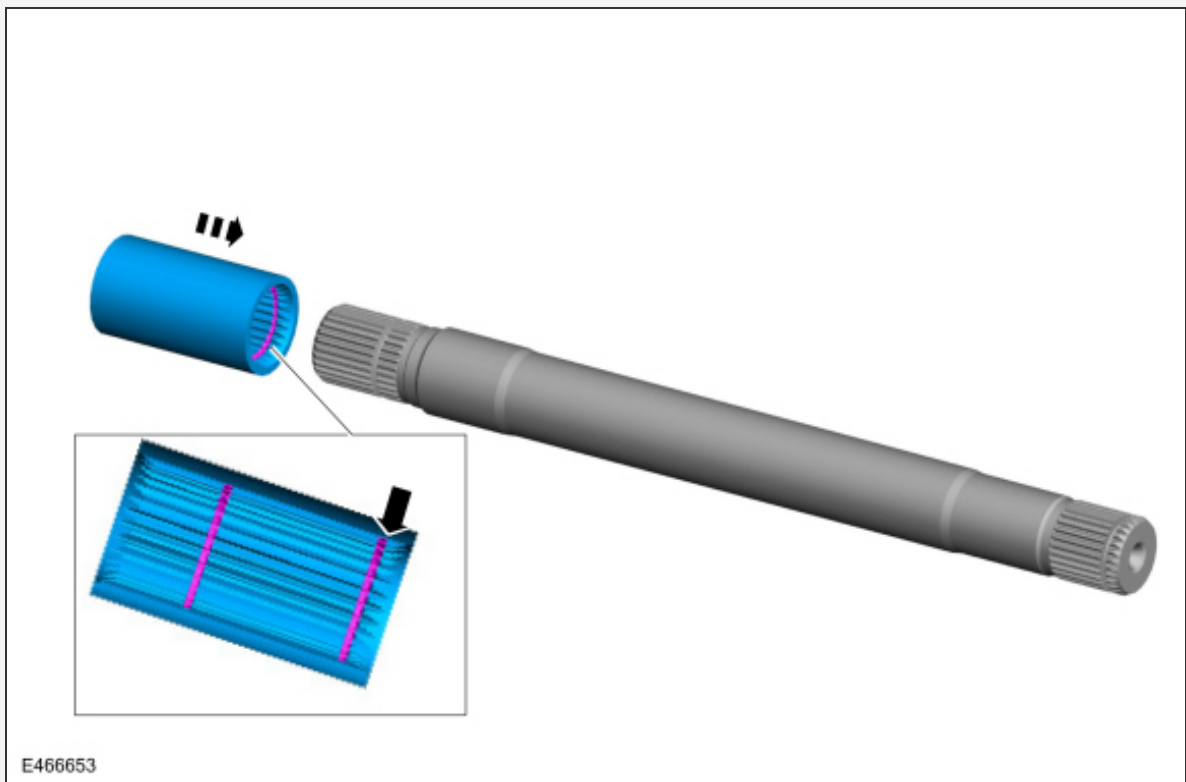
Installation

1. Install a new axle shaft circlip.

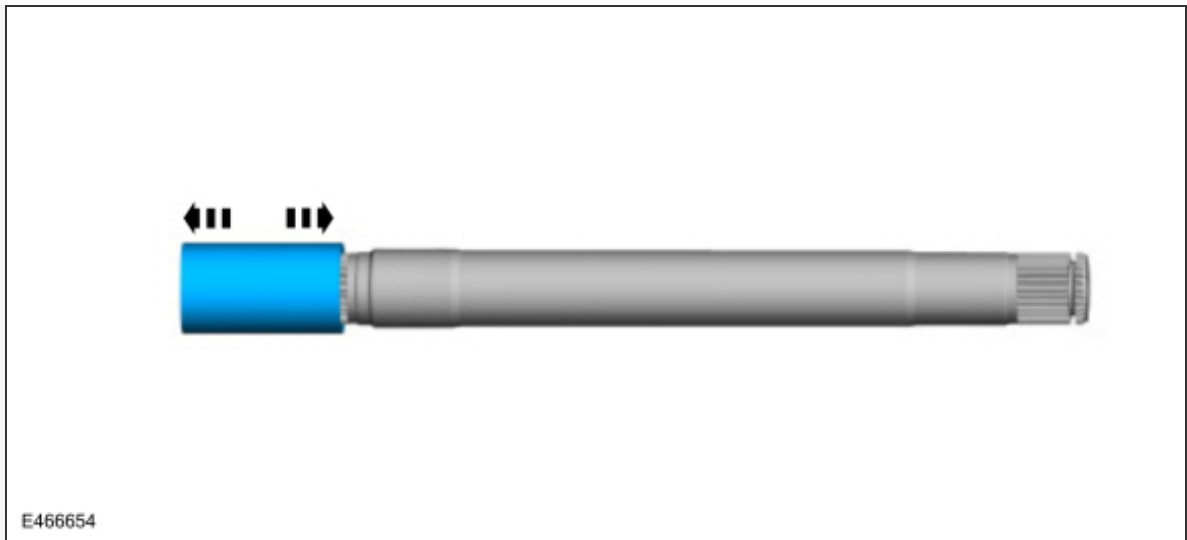


2. **NOTICE:** Make sure to install the sleeve on the intermediate shaft with the circlip groove closest to the end.

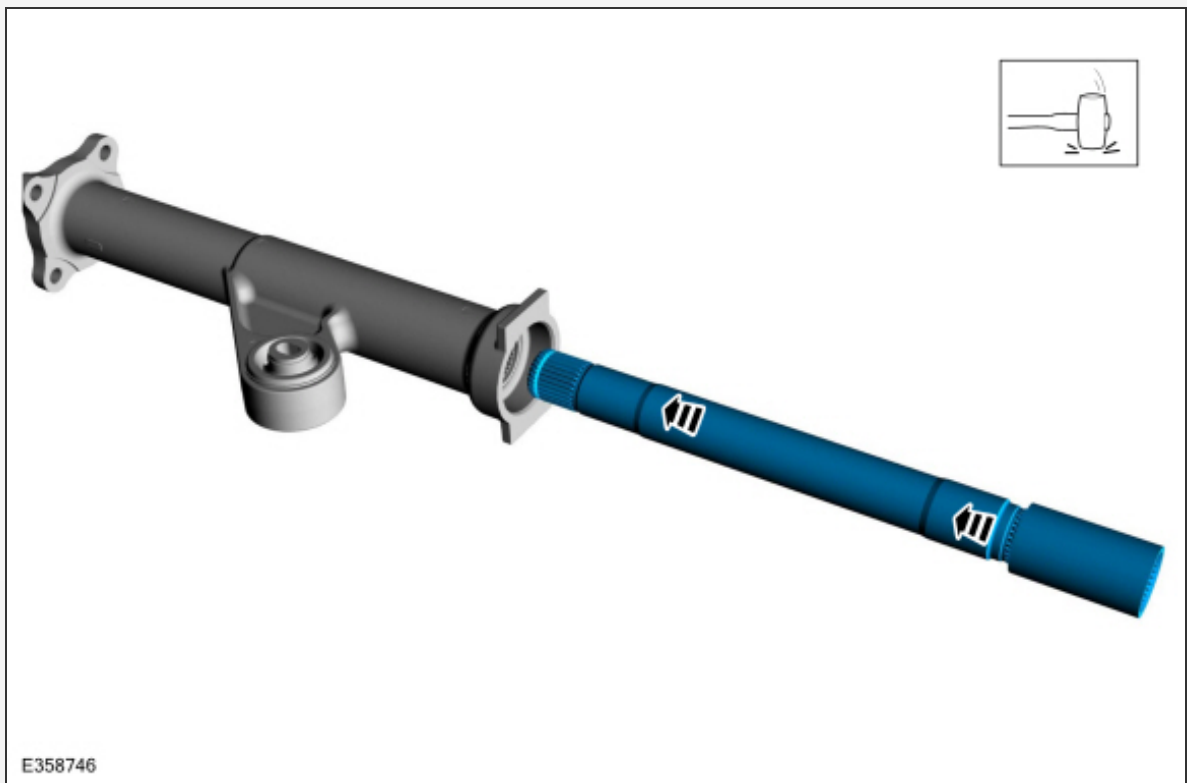
Install the axle shaft sleeve on the intermediate shaft.



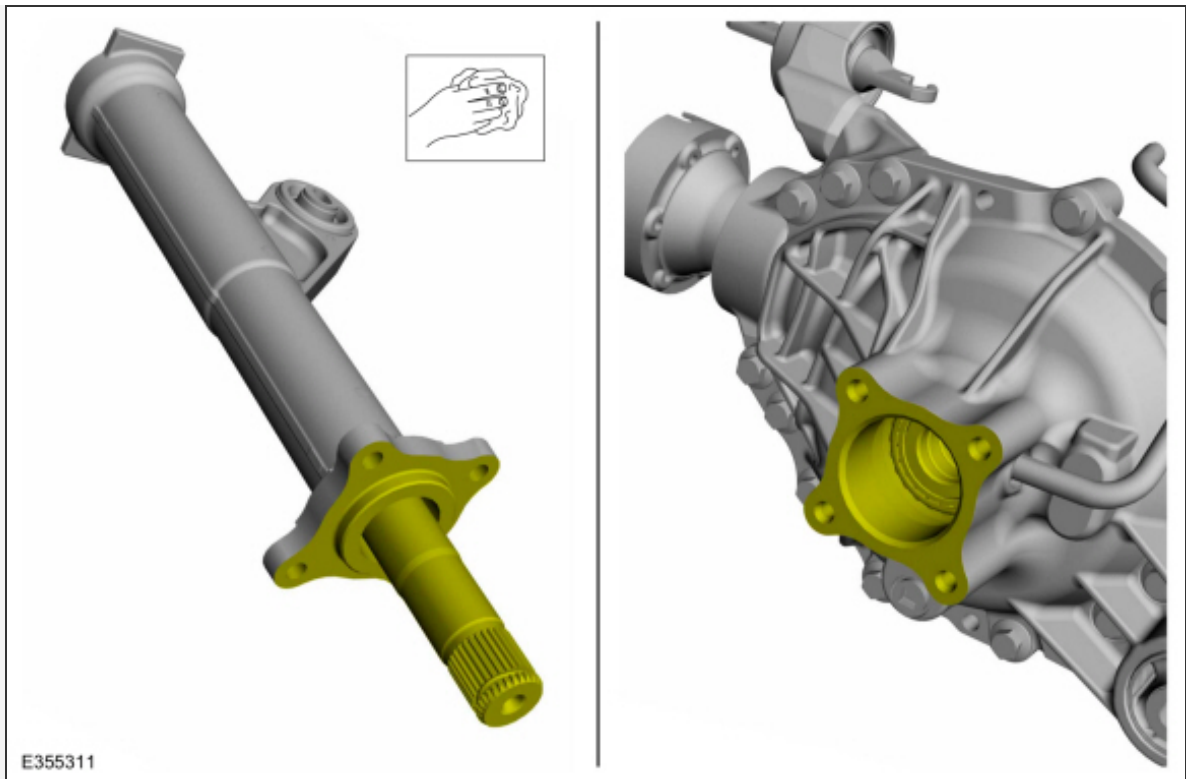
3. Move the sleeve back and forth to verify the circlip is seated in the groove.



4. Install the intermediate shaft.
Use the General Equipment: Rubber Mallet

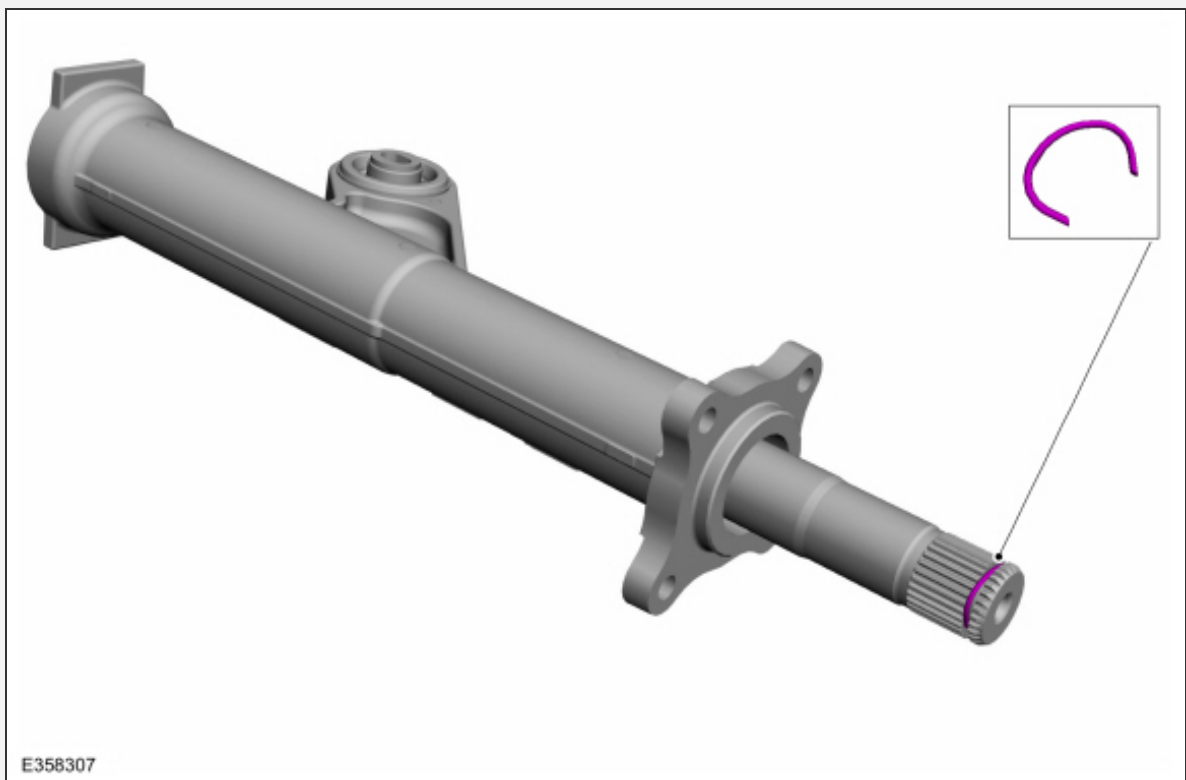


5. Clean the mating surfaces of front differential and front axle tube.

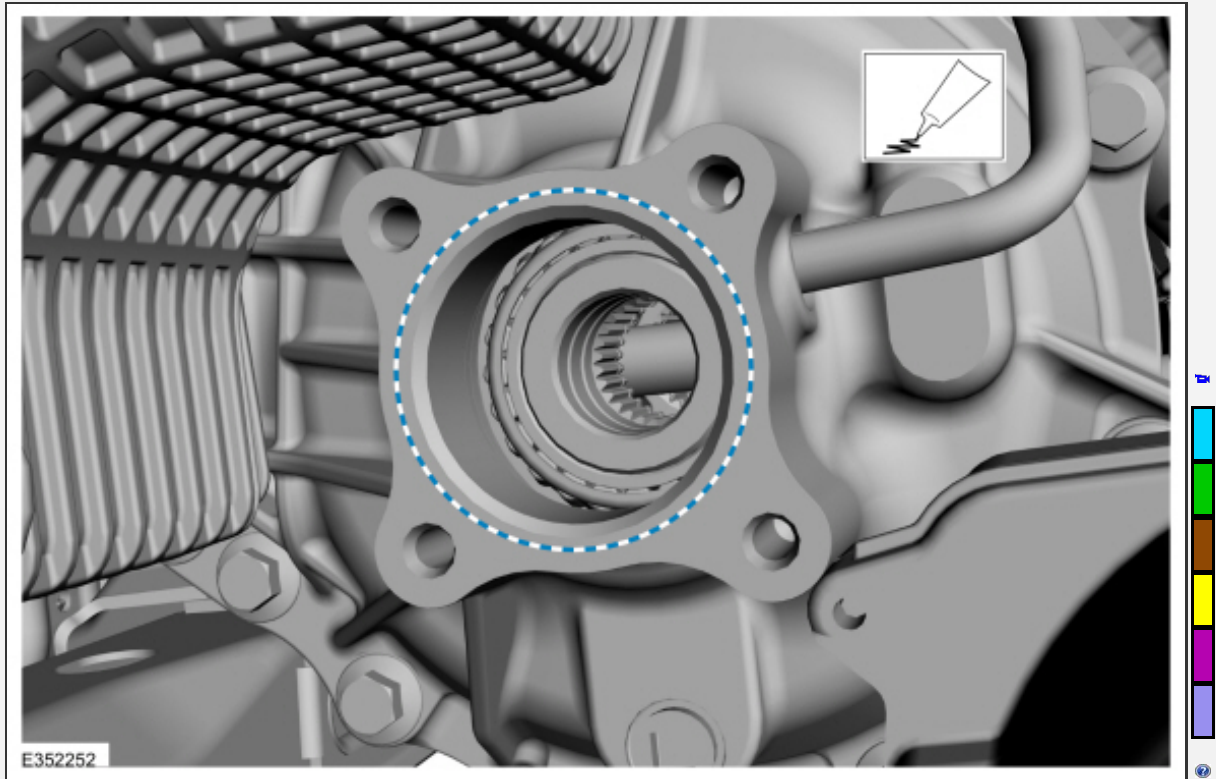


6. **NOTE:** Make sure that a new circlip is installed.

Install a new axle tube circlip.



7. Apply a new continuous bead of sealant to the differential housing cover as shown. Refer to: [Specifications](#) (205-03A Front Drive Axle/Differential, Specifications). Refer to: [Specifications](#) (205-03B Front Drive Axle/Differential - 4x4 with Part Time Engagement, Specifications). Refer to: [Specifications](#) (205-03C Front Drive Axle/Differential - Raptor, Specifications).



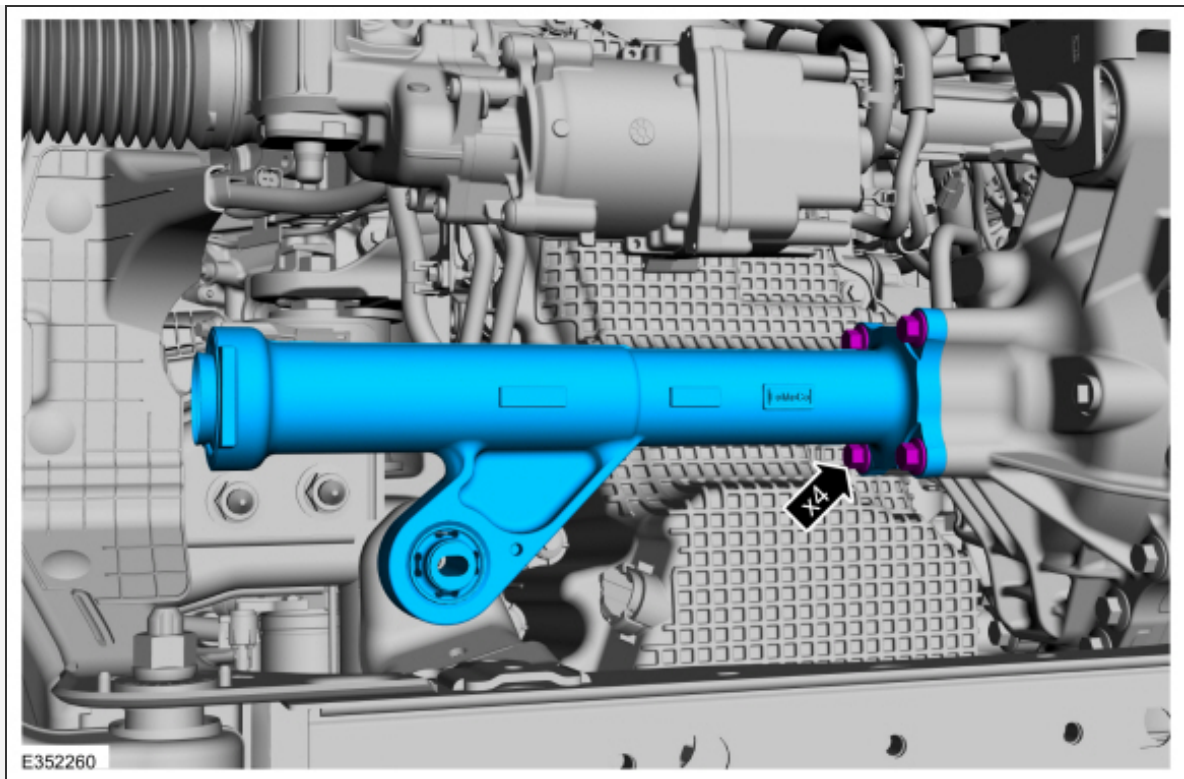
8. **NOTE:** *Make sure that new bolts are installed.*

Install the front axle tube and the new bolts.

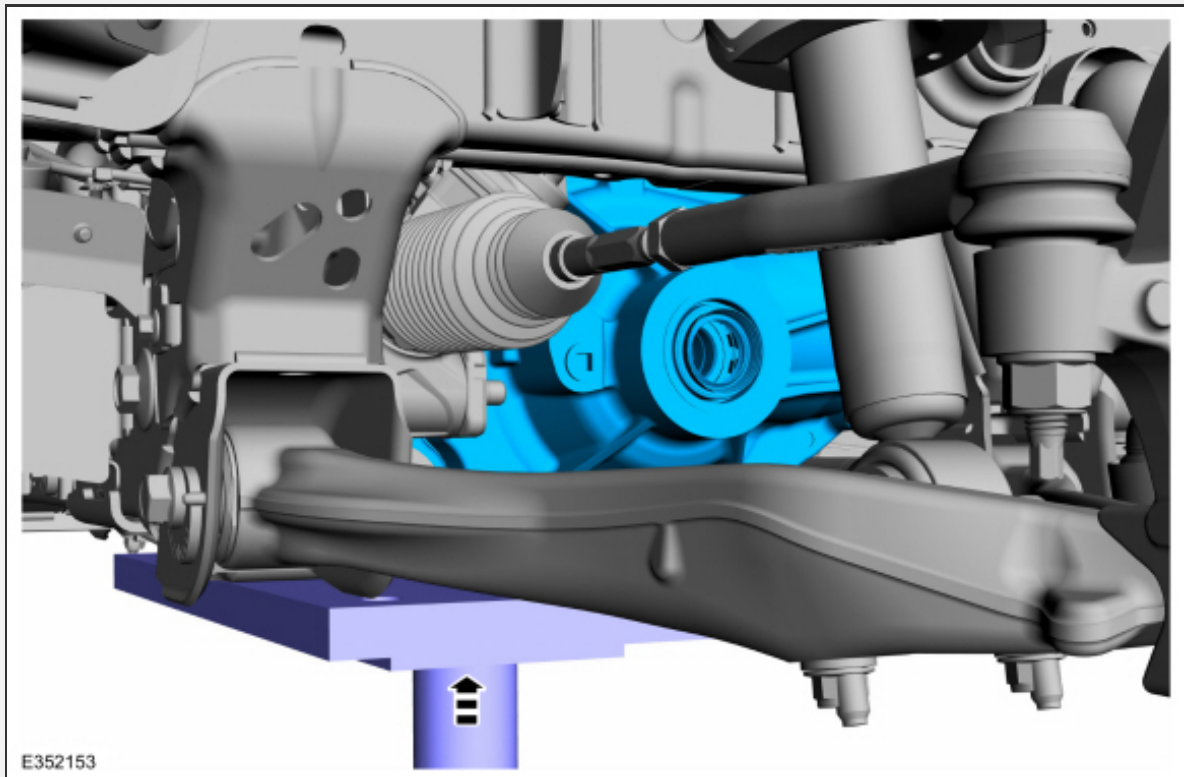
Torque:

Stage 1: 22 lb.ft (30 Nm)

Stage 2: 35°



9. Using the transmission jack, position the front axle assembly.
Use the General Equipment: Transmission Jack

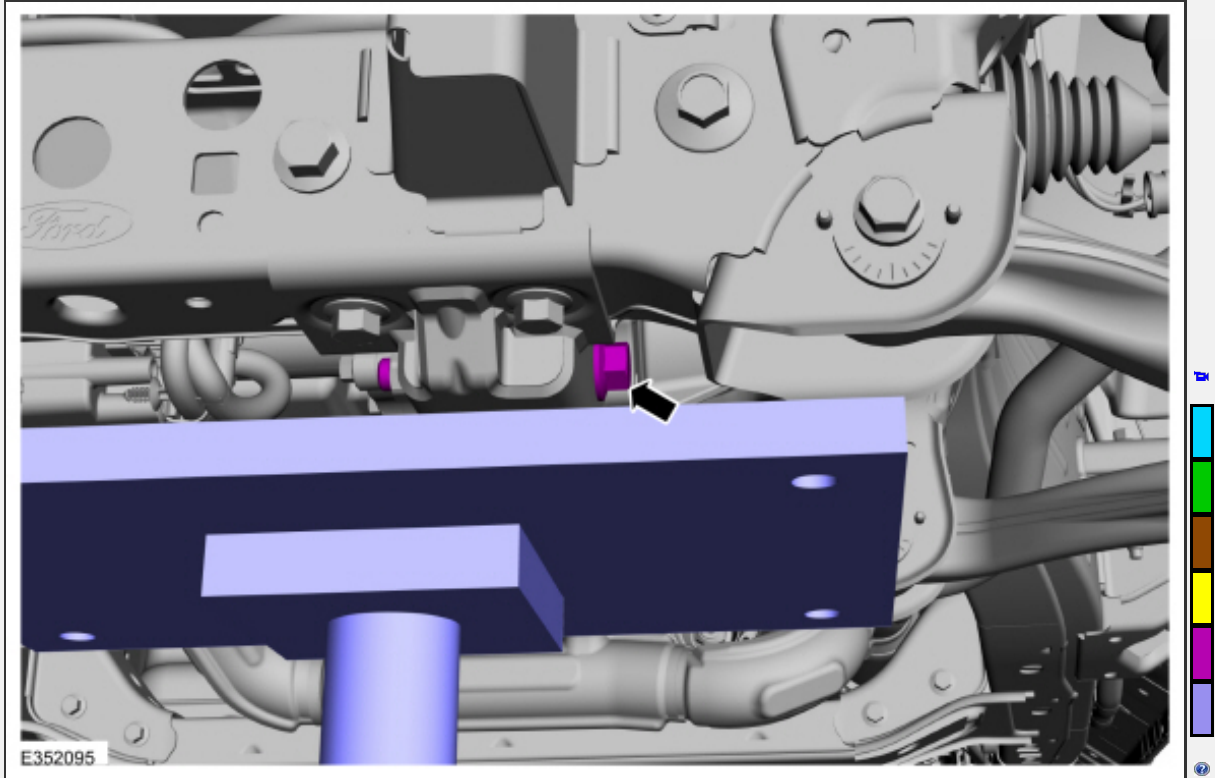


10. **NOTE:** Make sure that new bolt is installed.

NOTE: Only tighten the bolt finger tight at this stage.

Install the new front axle cover bushing bolt.

Use the General Equipment: Transmission Jack

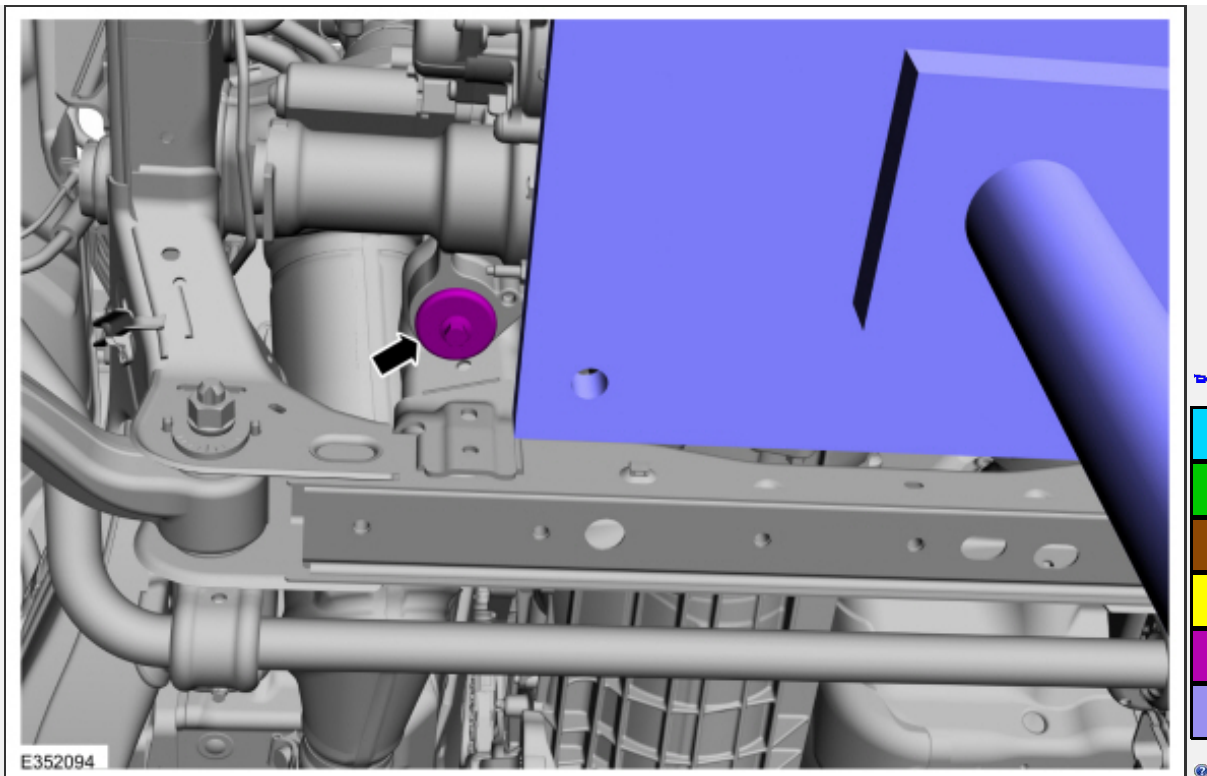


11. **NOTE:** Make sure that new bolt is installed.

NOTE: Only tighten the bolt finger tight at this stage.

Install the new front axle tube bushing support bracket bolt and lower the transmission jack.

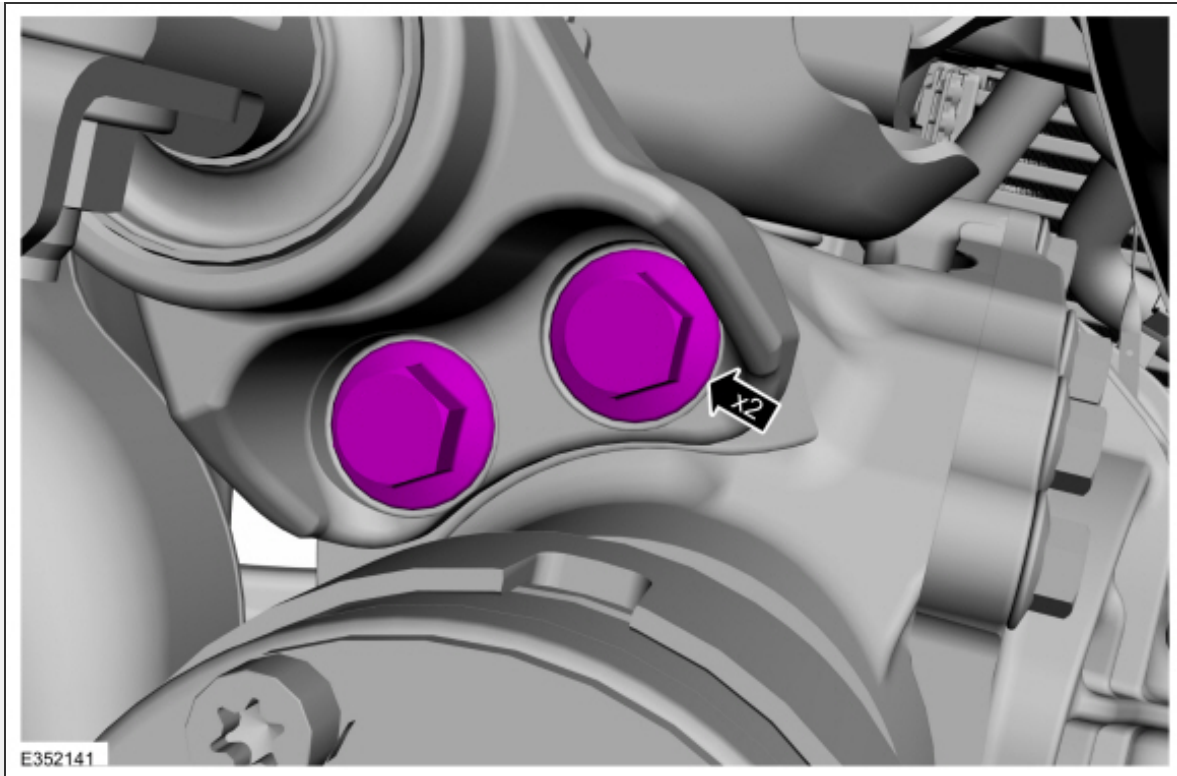
Use the General Equipment: Transmission Jack



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

NOTE: *Only tighten the bolts finger tight at this stage.*

Install the new front axle carrier mounting bracket-to-front axle bolts.
Use the General Equipment: Transmission Jack



13.

Tighten all axle assembly fasteners.

1. Tighten the front axle cover bushing bolt.

Torque: 195 lb.ft (265 Nm)

2. Tighten the front axle tube bushing support bracket bolt.

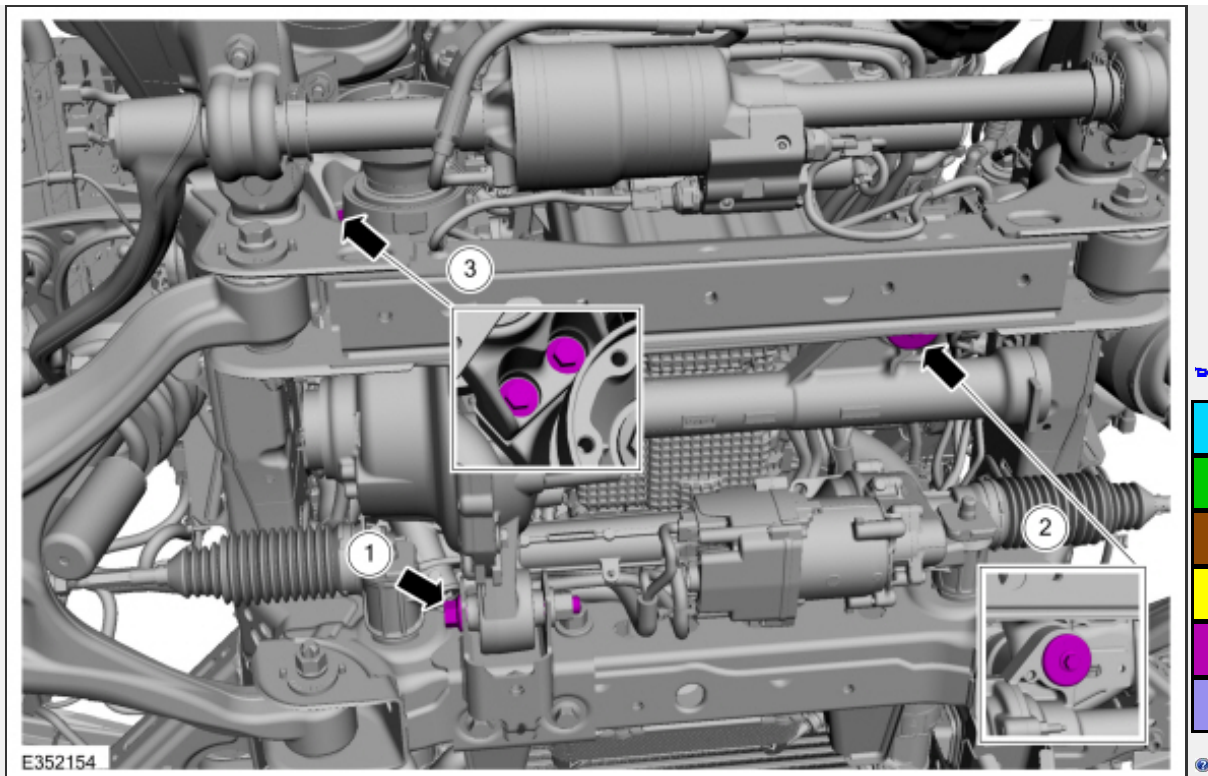
Torque: 52 lb.ft (70 Nm)

3. Tighten the front axle carrier to bracket bolts.

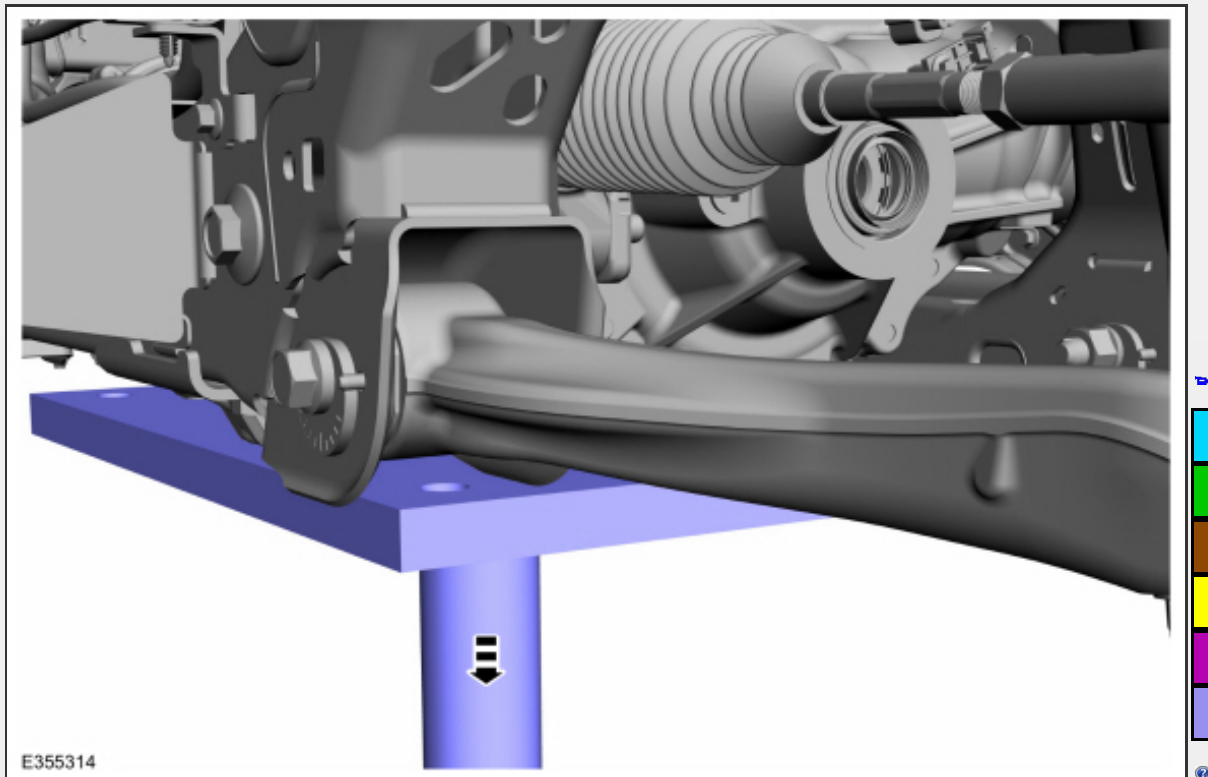
Torque:

Stage 1: 30 lb.ft (40 Nm)

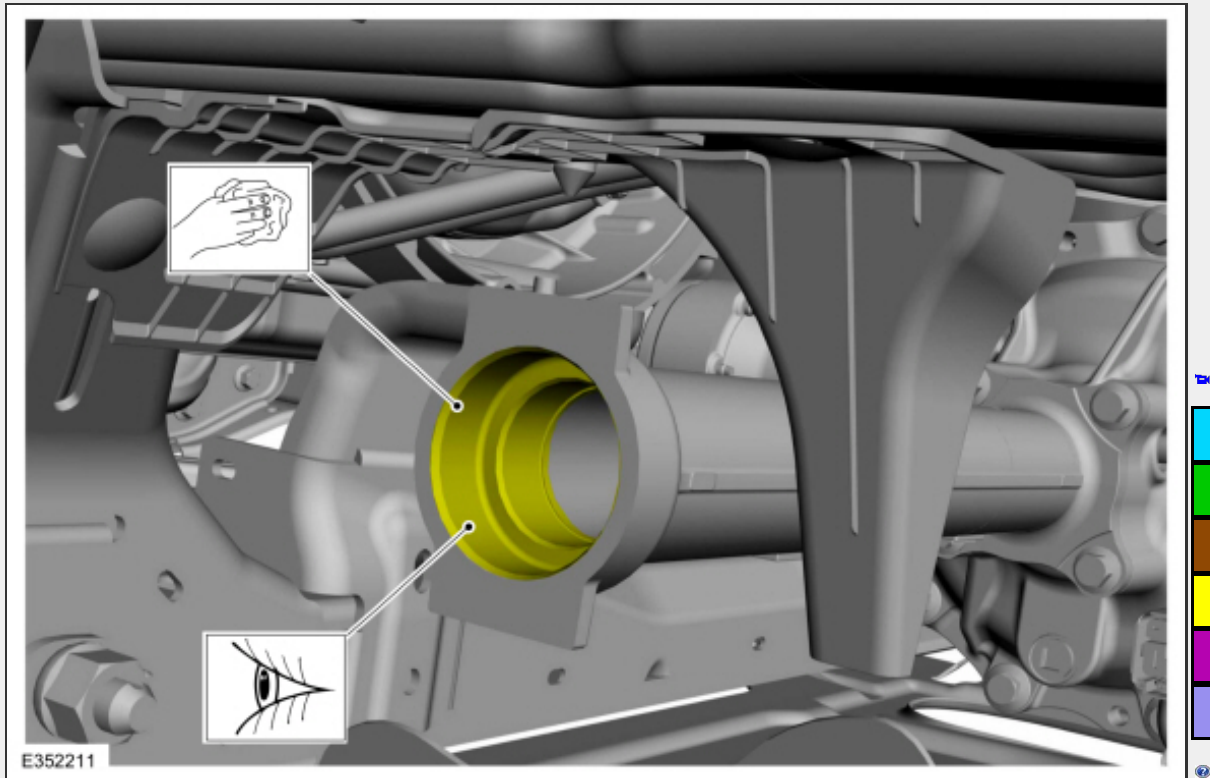
Stage 2: 70°



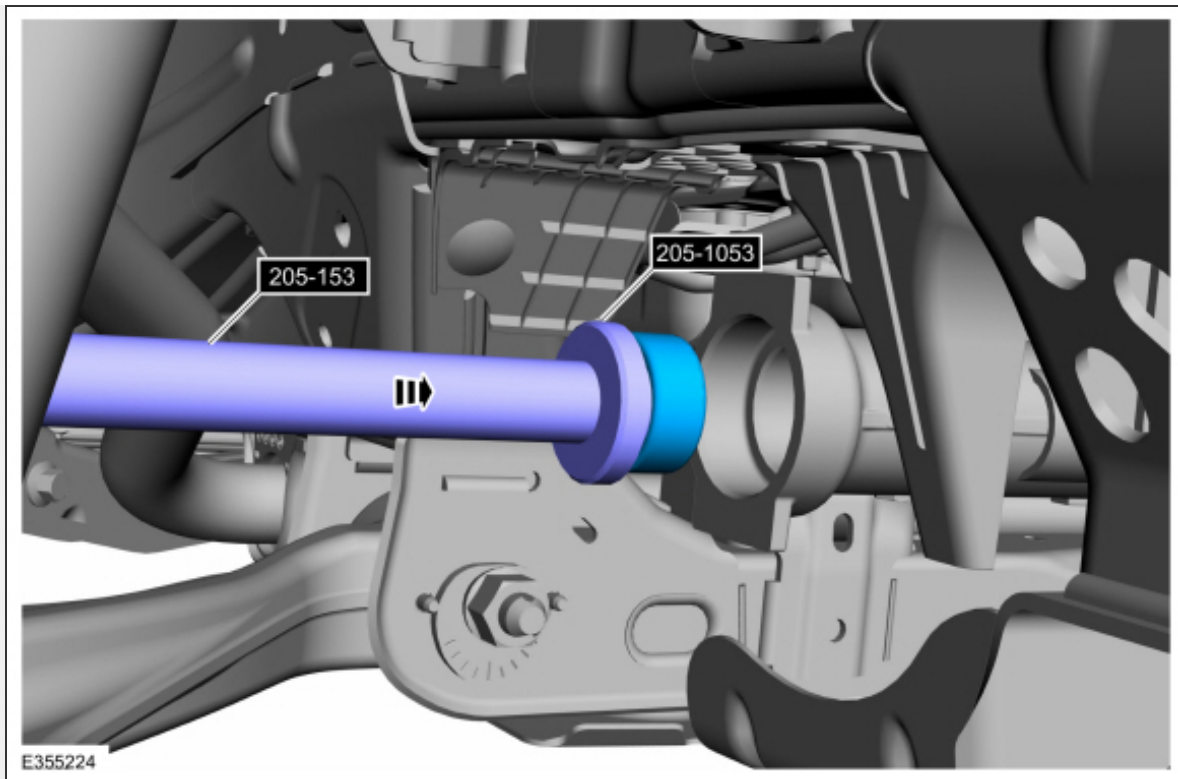
14. Remove the transmission jack.
Use the General Equipment: Transmission Jack



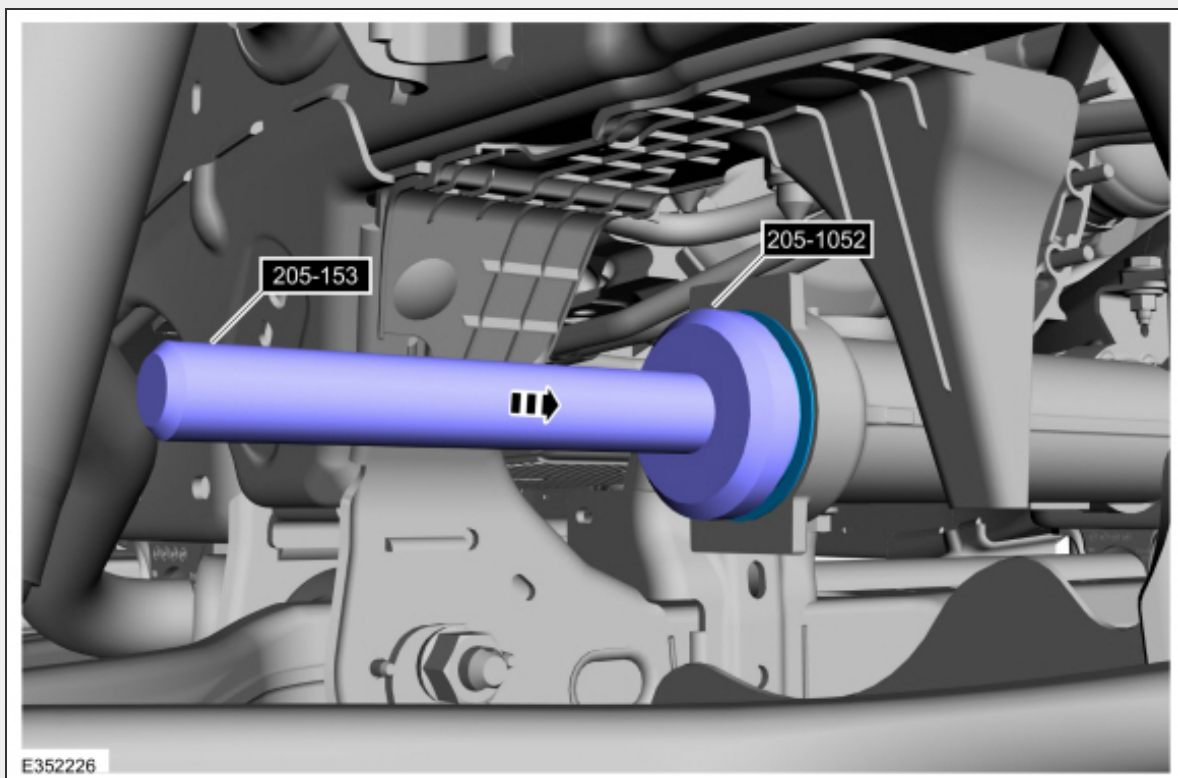
15. Clean and inspect the halfshaft seal and axle shaft pilot bearing mating surface.



16. Using the special tool, install the new axle shaft bearing.
Use Special Service Tool: [205-153 \(T80T-4000-W\) Handle](#) , [205-1053 Installer, Axle Tube Needle Bearing](#).



17. Using the special tools, install a RH halfshaft seal.
Use Special Service Tool: [205-153 \(T80T-4000-W\) Handle](#) , [205-1052 Installer, Axle Seal](#).



18. Install the front RH halfshaft.

Refer to: [Halfshaft](#) (205-04 Front Drive Halfshafts, Removal and Installation).

19. Check the front differential fluid level and if required, add the clean differential fluid to the specification.

Refer to: [Differential Fluid Level Check](#) (205-03A Front Drive Axle/Differential, General Procedures).