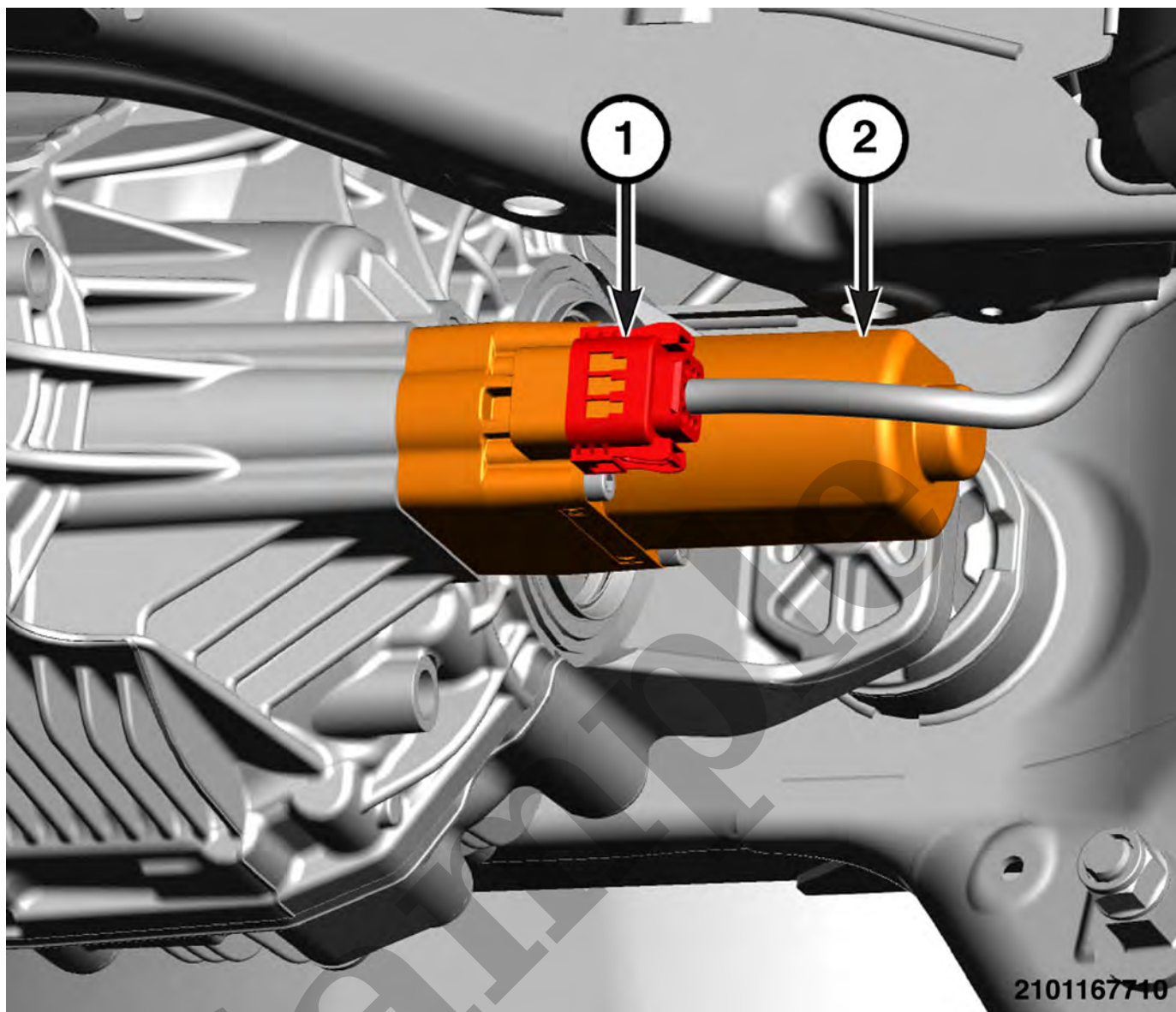


Your Ultimate Source for OEM Repair Manuals

FactoryManuals.net is a great resource for anyone who wants to save money on repairs by doing their own work. The manuals provide detailed instructions and diagrams that make it easy to understand how to fix a vehicle.

2007 JEEP Patriot OEM Service and Repair Workshop Manual

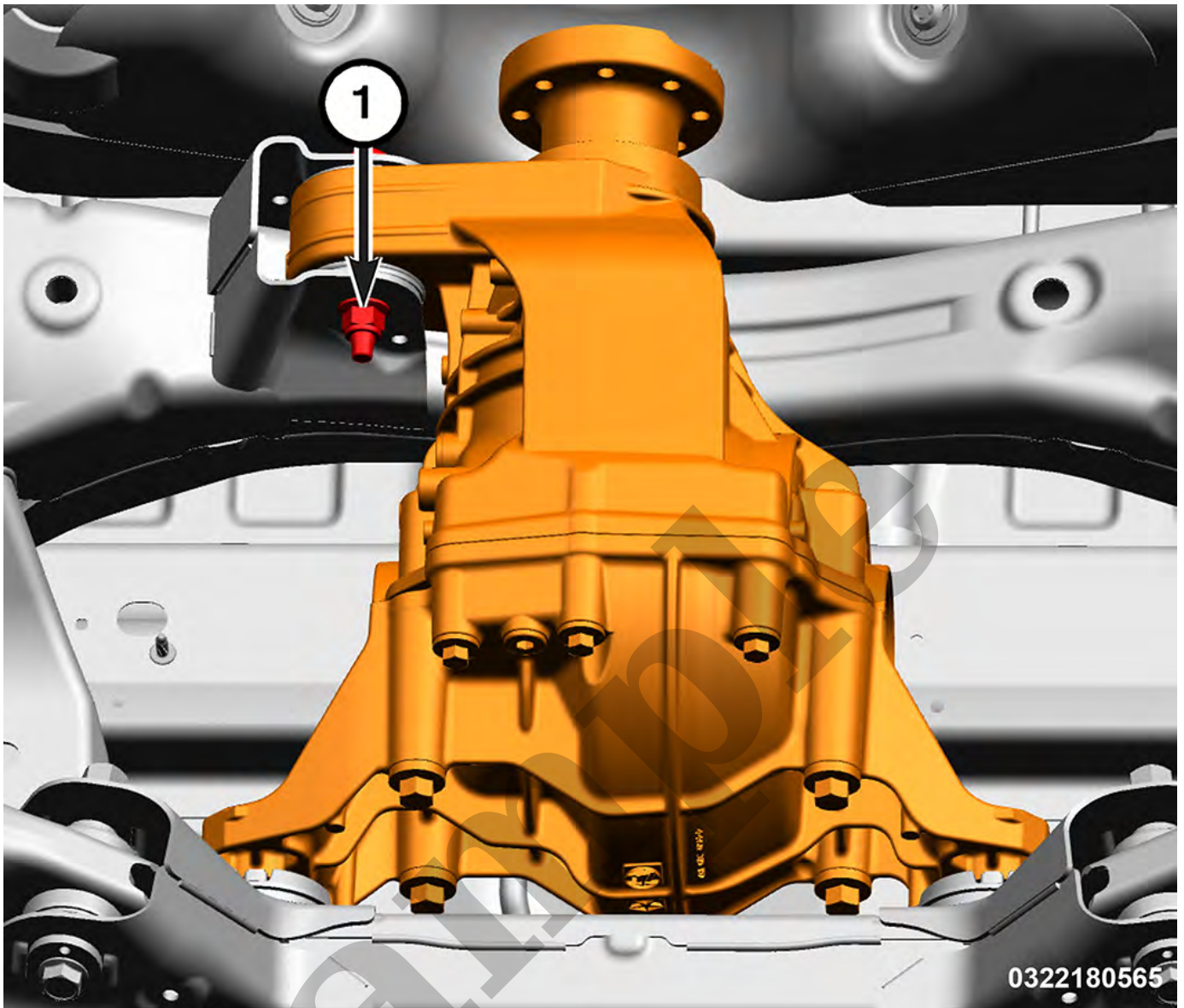
[Go to manual page](#)



1 - Wire Harness Connector

2 - ELSD Motor

6. Disconnect the Electronic Limited Slip Differential (ELSD) motor wire harness connector.



1 - Rear Axle Forward Pinion Mount Bolt and Nut

- Install the rear axle forward pinion mount bolt through the suspension crossmember and rear axle from front to rear as shown in the graphic. It may be necessary to lift the rear of the axle to insert the bolt.
- During installation of the rear driveshaft, align the marks created on the rear driveshaft with the marks on the output flanges.
- Do not allow the driveshaft to hang and over articulate during assembly.
- Check and fill the axle assembly to the proper specifications ([Refer to Vehicle Quick Reference/Capacities and Recommended Fluids/Specifications](#)).

TORQUE SPECIFICATIONS - REAR AXLE - 230RIA

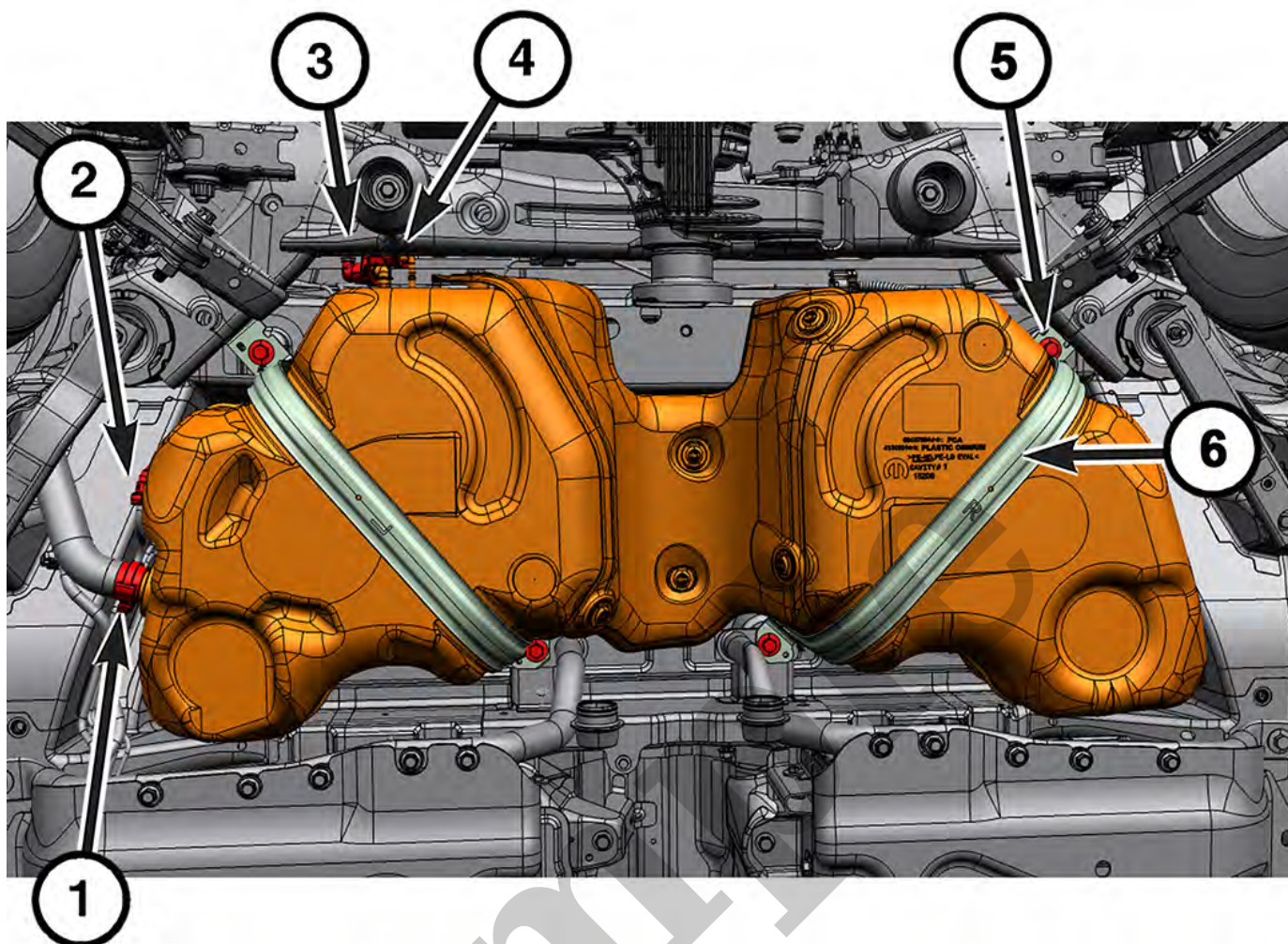
YOUR CURRENT VEHICLE

Rear Differential - PHEV

REAR DIFFERENTIAL - PHEV

REMOVAL

1. Raise and support the vehicle ([Refer to Vehicle Quick Reference/Hoisting/Standard Procedure](#)).
2. Remove the exhaust muffler ([Refer to Exhaust System/MUFFLER, Exhaust/Removal and Installation](#)).
3. Mark a reference line on the rear driveshaft and the rear pinion flange for proper alignment during reassembly.



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1 - Fuel Filler Tube Clamp

2 - Fuel Supply Line Quick-Connect Fitting

3 - Fuel Filler Vent Quick-Connect Fitting to Fuel Tank Isolation Valve

4 - Fuel Filler Vent Quick-Connect Fitting

5 - Fuel Tank Strap Bolts

6 - Fuel Tank Strap

8. Support the fuel tank.

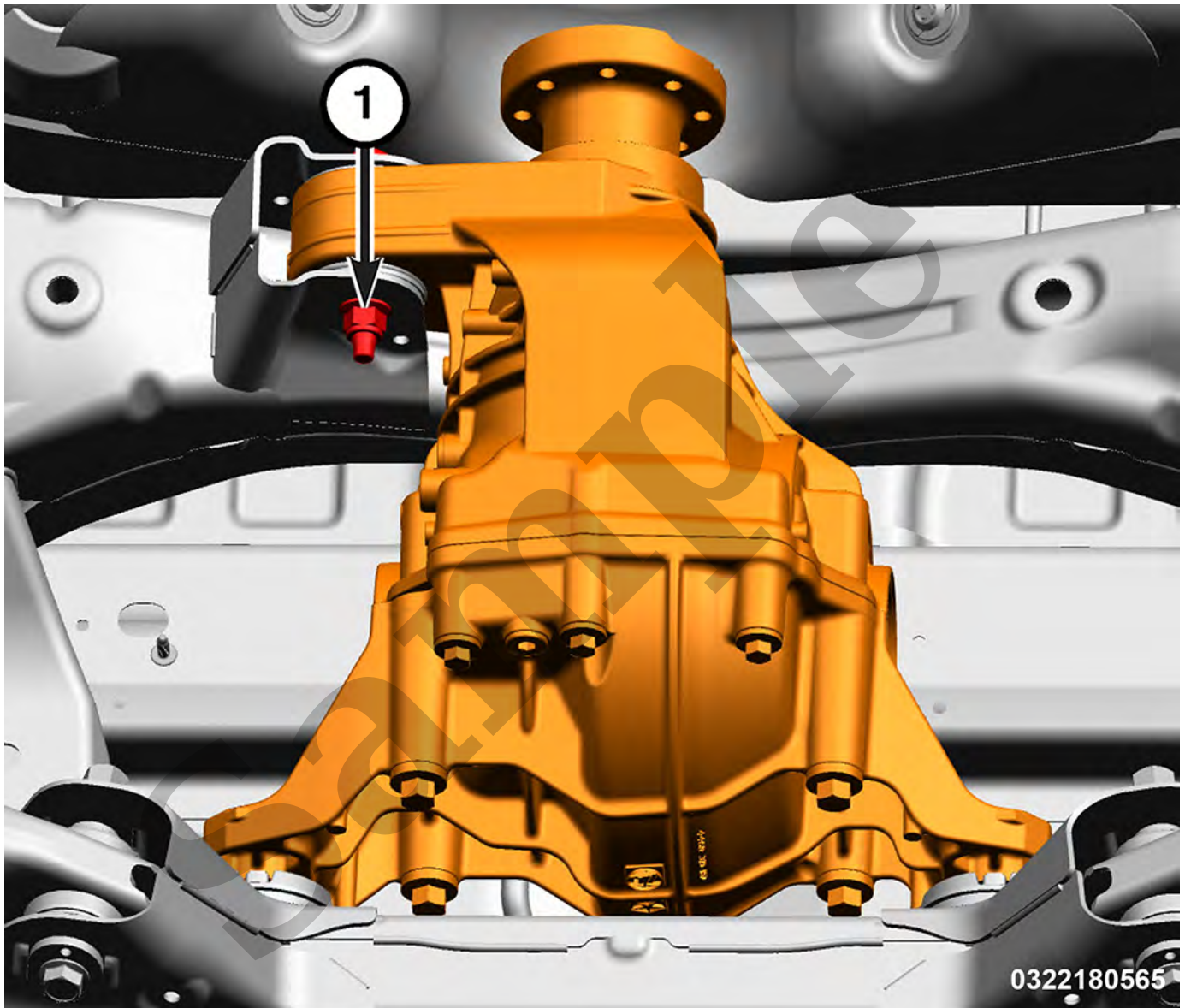
9. Loosen the fuel tank strap bolts.

15. Lower the axle assembly and remove from vehicle.

INSTALLATION

Follow the removal procedure in reverse for general reassembly of the components on the vehicle. The steps listed below are calling out specific procedures that should be followed during installation.

- Raise the axle assembly into the vehicle, connect the left side halfshaft to the axle.



1 - Rear Axle Forward Pinion Mount Bolt and Nut

WARNING

The rear axle forward pinion mount bolt and nut must be installed with nut to the rear of the vehicle to avoid compromising the fuel tank in the event of an impact. Failure to follow these instructions may

YOUR CURRENT VEHICLE

Rear Differential Front Bushing - 195RIA

REAR DIFFERENTIAL FRONT BUSHING - 195RIA

REMOVAL

1. Remove rear axle from vehicle ([Refer to Differential and Driveline/ASSEMBLY, Differential/Removal and Installation](#)).
2. Secure the axle in a vice.

and

Remover, Small Bushing



. DISCARD

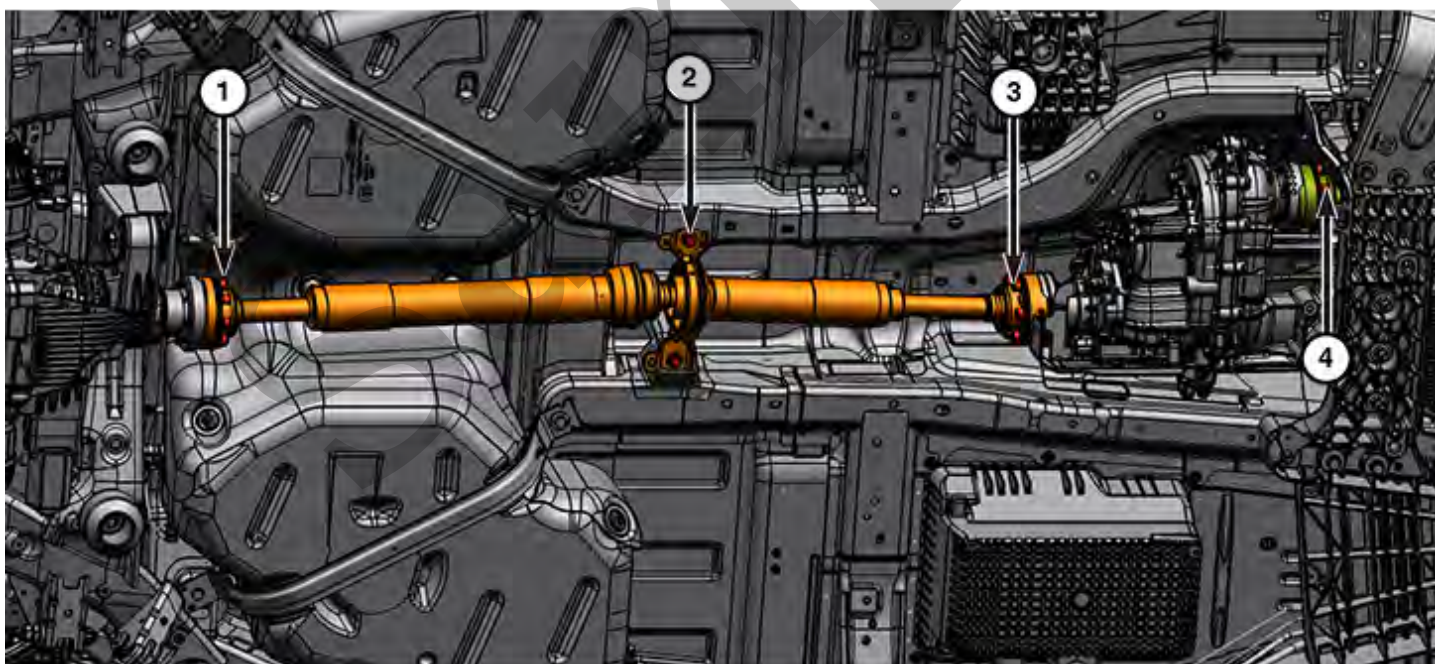
the bushing.

INSTALLATION

Follow the removal procedure in reverse for general reassembly of the components on the vehicle. The steps listed below are calling out specific procedures that should be followed during installation.

CALLOUT	DESCRIPTION	SPECIFICATION	COMMENTS
1	Rear Axle to Crossmember Bolts	115 N·m (85 Ft. Lbs.)	-
2	Drain and Fill Plugs	35 N·m (26 Ft. Lbs.)	-
3	Rear Axle Forward Pinion Mount Bolt and Nut	90 N·m (66 Ft. Lbs.)	-
4	Halfshaft Hub Nut	310 N·m (229 Ft. Lbs.)	Do not reuse these fasteners. If removed, a new fastener must be installed and tightened to specifications

TORQUE SPECIFICATIONS - DRIVESHAFTS





INSTALLATION

Follow the removal procedure in reverse for general reassembly of the components on the vehicle. The steps listed below are calling out specific procedures that should be followed during installation.

- Install **NEW** bushing in axle housing using the

Installer, Ball Joint