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2005 FORD Escape OEM Service and Repair Workshop Manual

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Axle Shaft

205-02A Rear Drive Axle/Differential - Vehicles With: Ford 8.8 Inch Ring Gear	2022 F-150
Removal and Installation	Procedure revision date: 10/2/2020

Axle Shaft

Removal

NOTE

Removal steps may contain installation instructions.

1. Remove the wheel and tire.

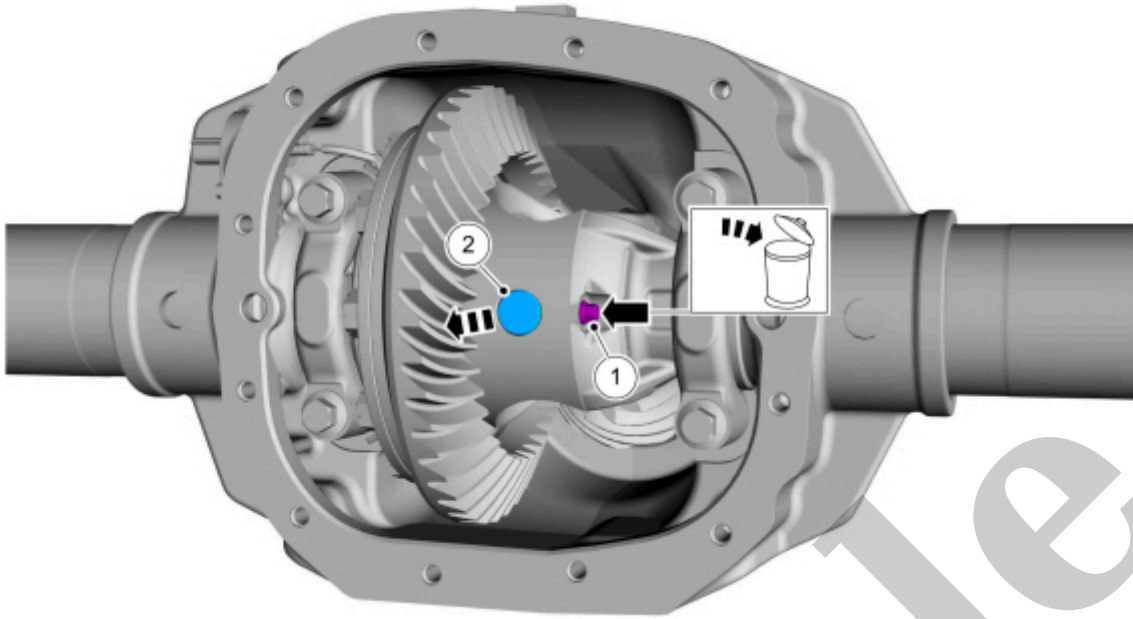
Refer to: [Wheel and Tire](#)(204-04A Wheels and Tires, Removal and Installation).

2. Remove the rear brake disc.

Refer to: [Brake Disc](#)(206-04 Rear Disc Brake, Removal and Installation).

3. Remove the wheel speed sensor bolt and position aside the wheel speed sensor.

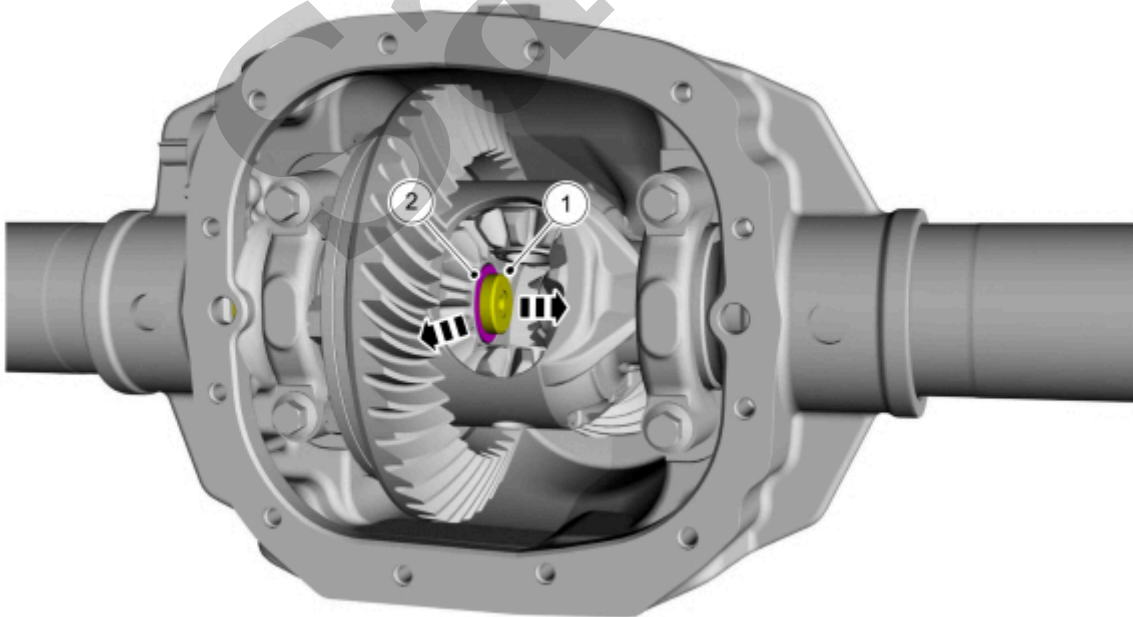
Torque : 133 lb.in (15 Nm)



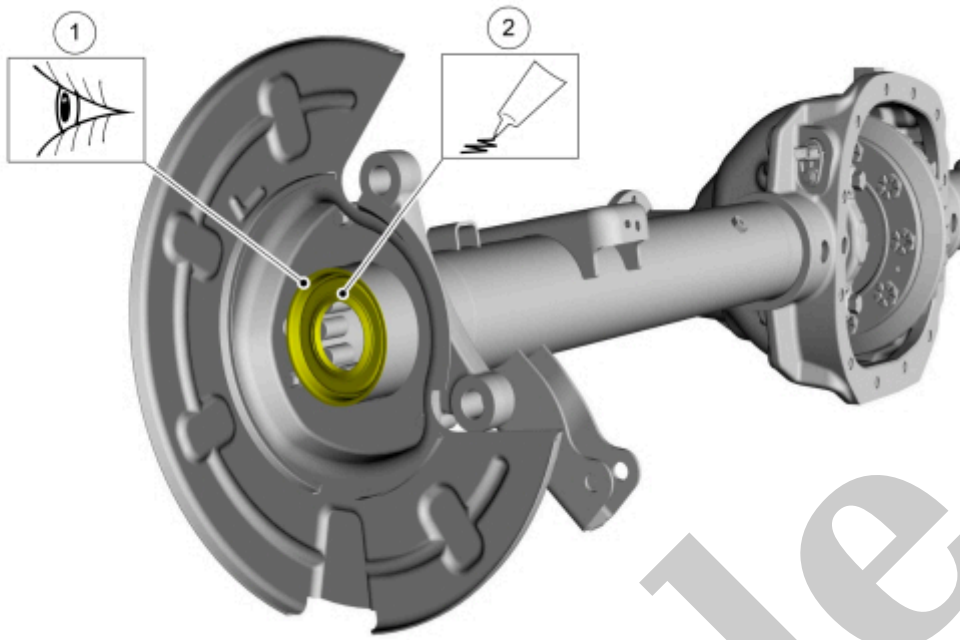
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6. 1. Slide the axle shaft inward.
2. Remove the axle shaft retaining washer.



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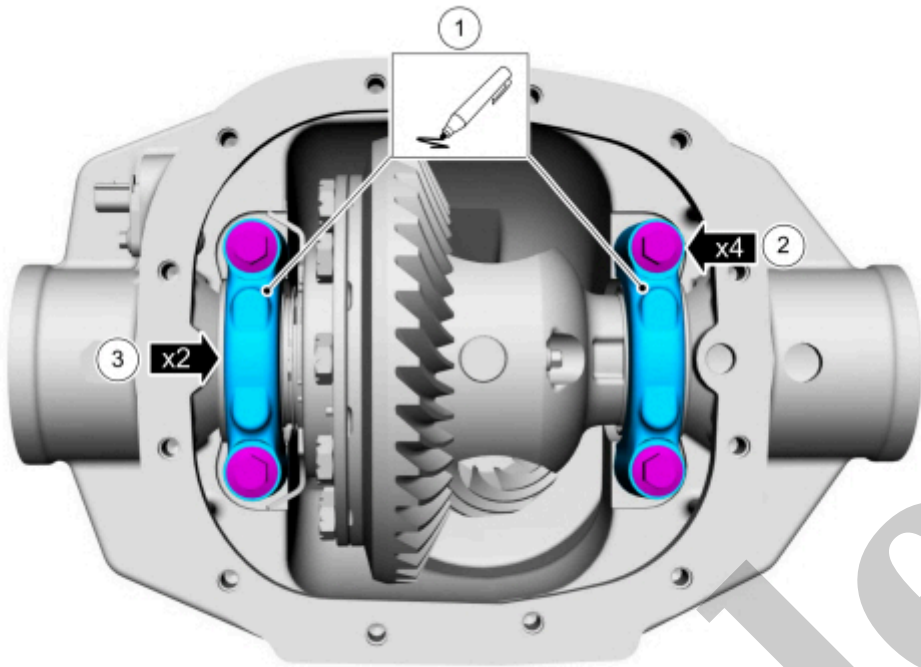
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2. To install, reverse the removal procedure.

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Sample

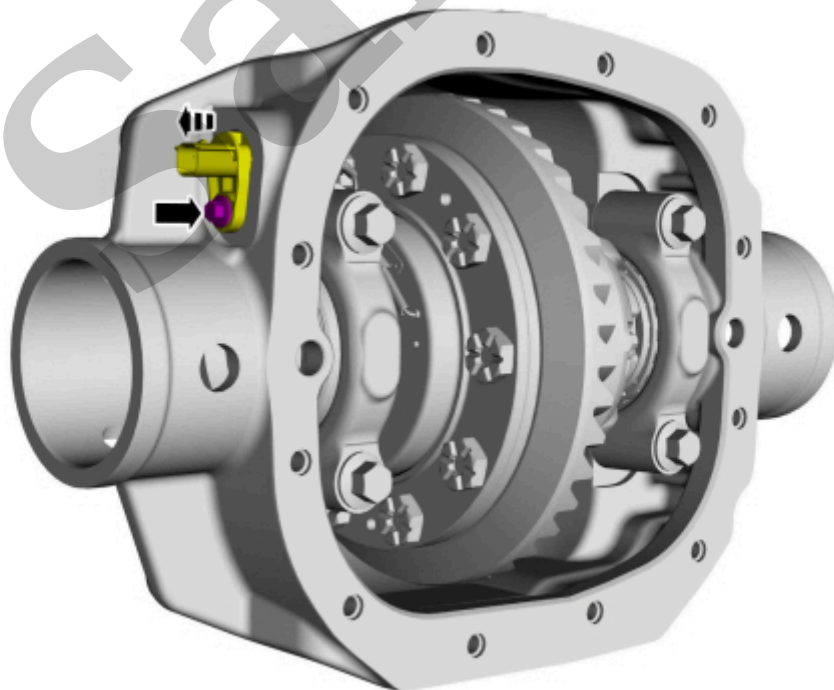


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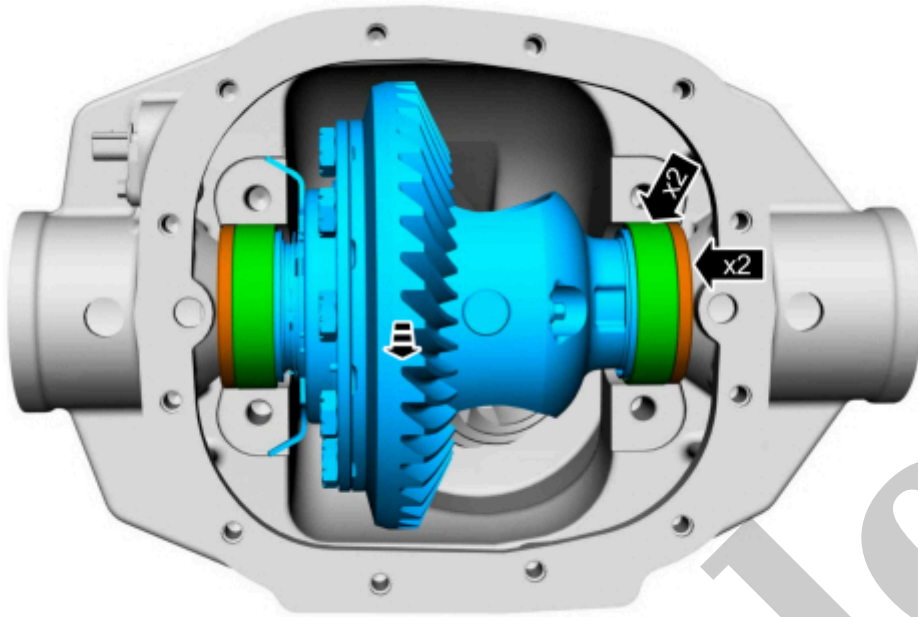
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Vehicle equipped with ELD (Electronic Locking Differential)

4. Remove the ELD (electronic locking differential) bolt and pull the ELD (electronic locking differential) connector adaptor out of the axle assembly housing.



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Installation

All vehicles

1. NOTE

Have the selected shims or the previously removed shims available at this time. It will be required to hold the differential carrier and the differential carrier bearing cups in until shims are installed.

NOTE

Differential bearing shims are to be installed with the chamfer facing outboard.

Install the differential carrier and the differential carrier bearing cups.

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3. **NOTE**

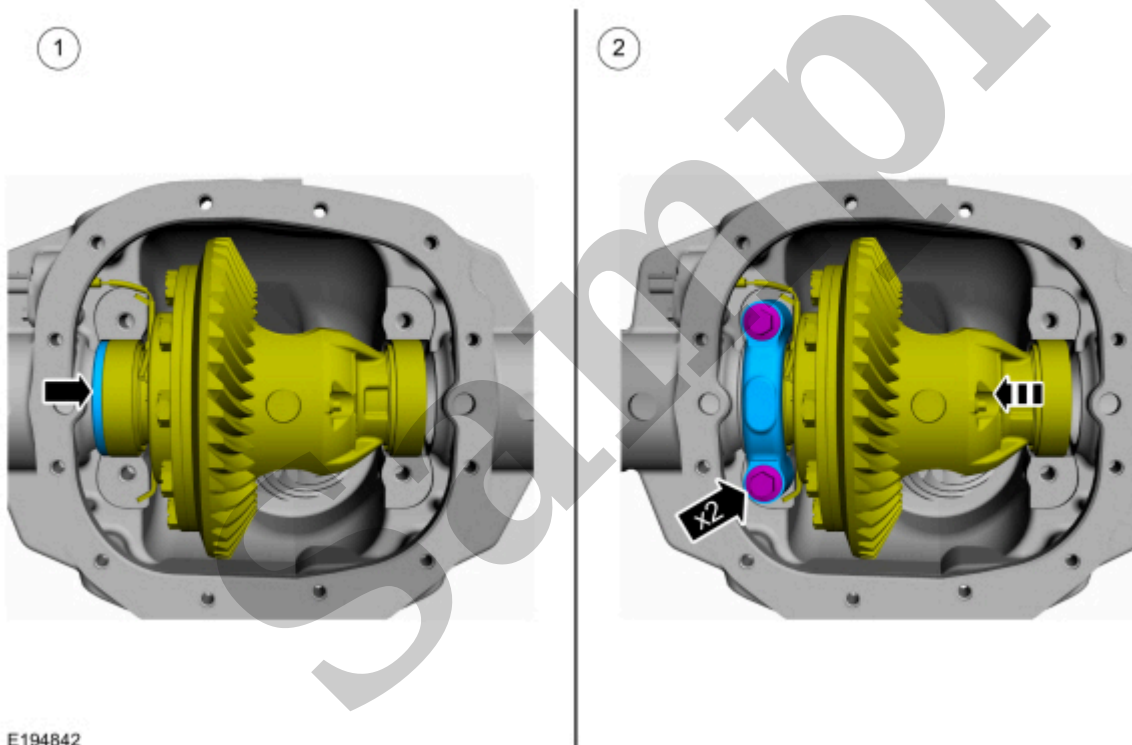
Differential bearing shims are to be installed with the chamfer facing outboard.

1. Install the LH (left-hand) selected ring gear back lash shim.

2. **NOTE**

The differential bearing cap bolts should only be finger tight at this time.

Position the differential to the LH (left-hand) side of the differential housing. Install the LH (left-hand) differential bearing cap and the differential bearing cap bolts.



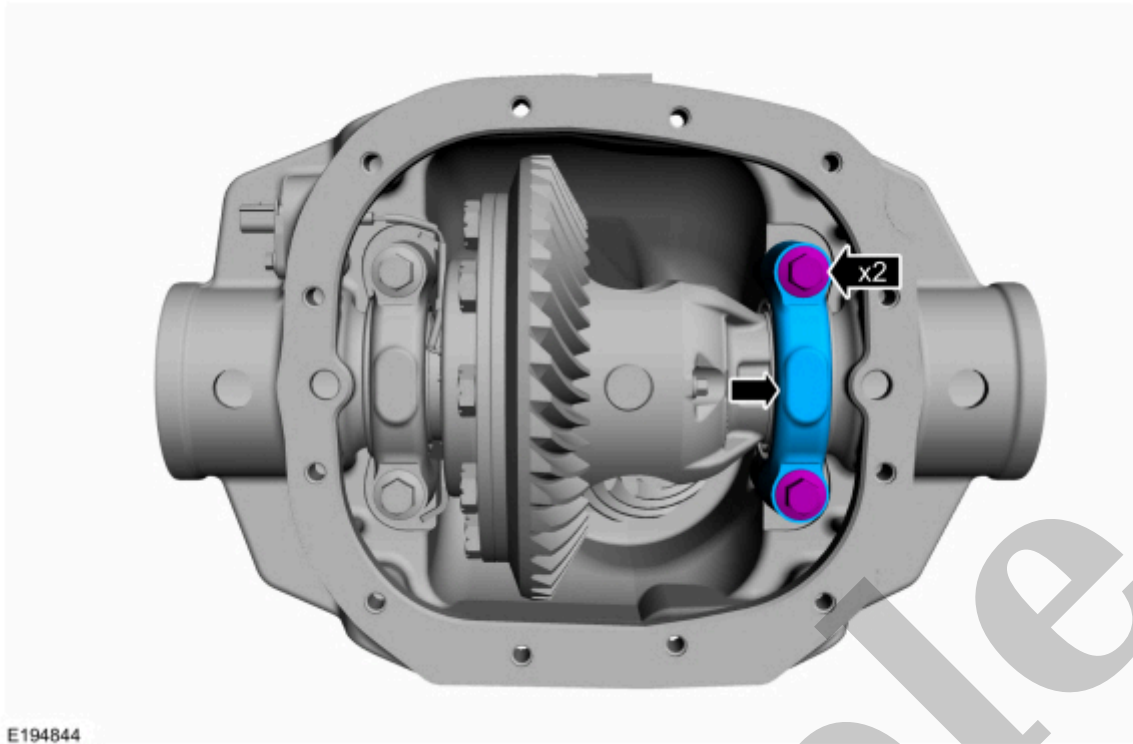
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4. Using the special tool and a soft face brass mallet, install the RH (right-hand) selected ring gear back lash shim.

Use Special Service Tool : 205-220 Installer, Differential Shim

Use the General Equipment: Copper Hammer



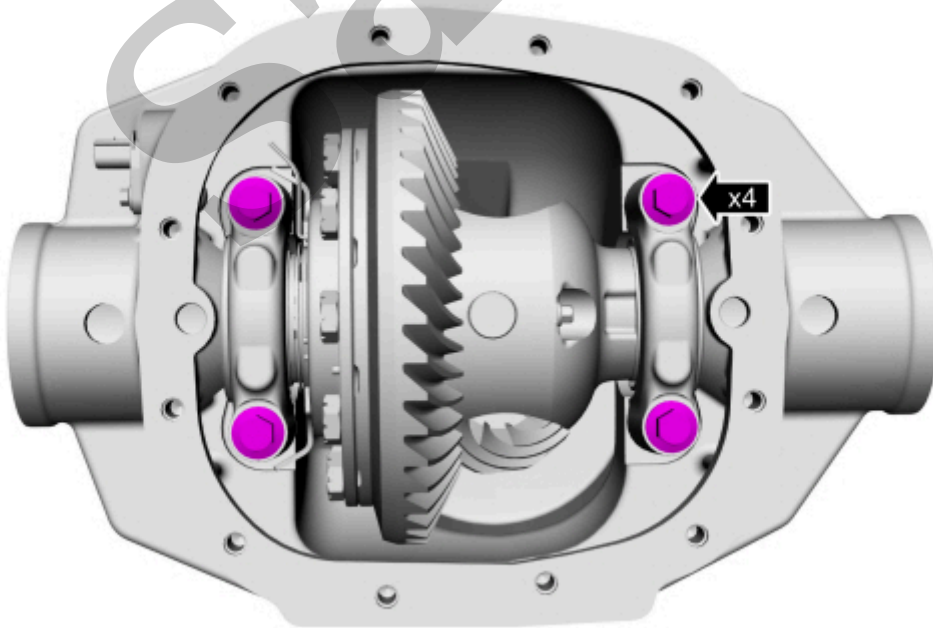
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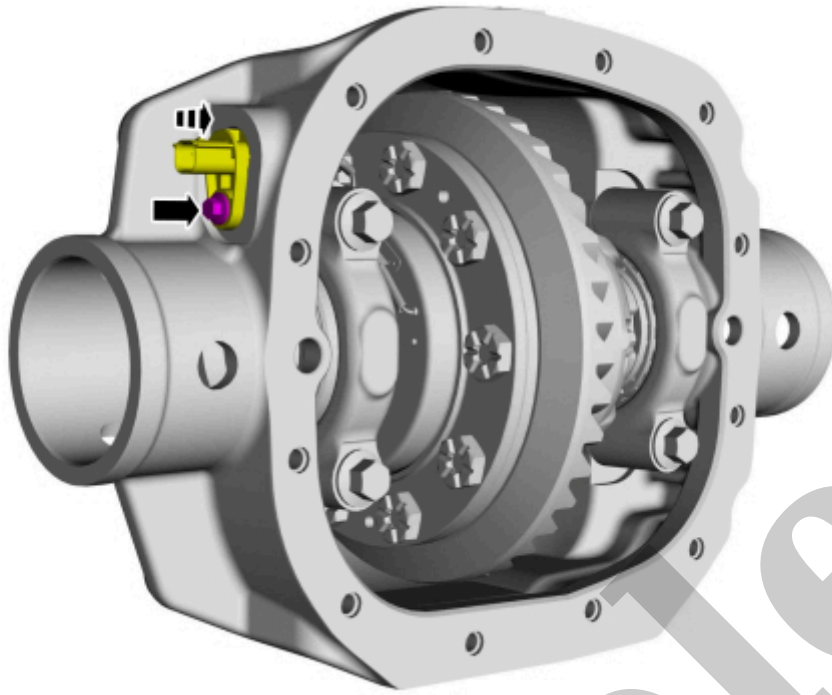
All vehicles

6. Tighten the differential bearing cap bolts.

Torque : 83 lb.ft (112 Nm)



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All vehicles

9. Check the ring gear backlash.

Refer to: [Ring Gear Backlash Adjustment](#)(205-02A Rear Drive Axle/Differential - Vehicles With: Ford 8.8 Inch Ring Gear, General Procedures).

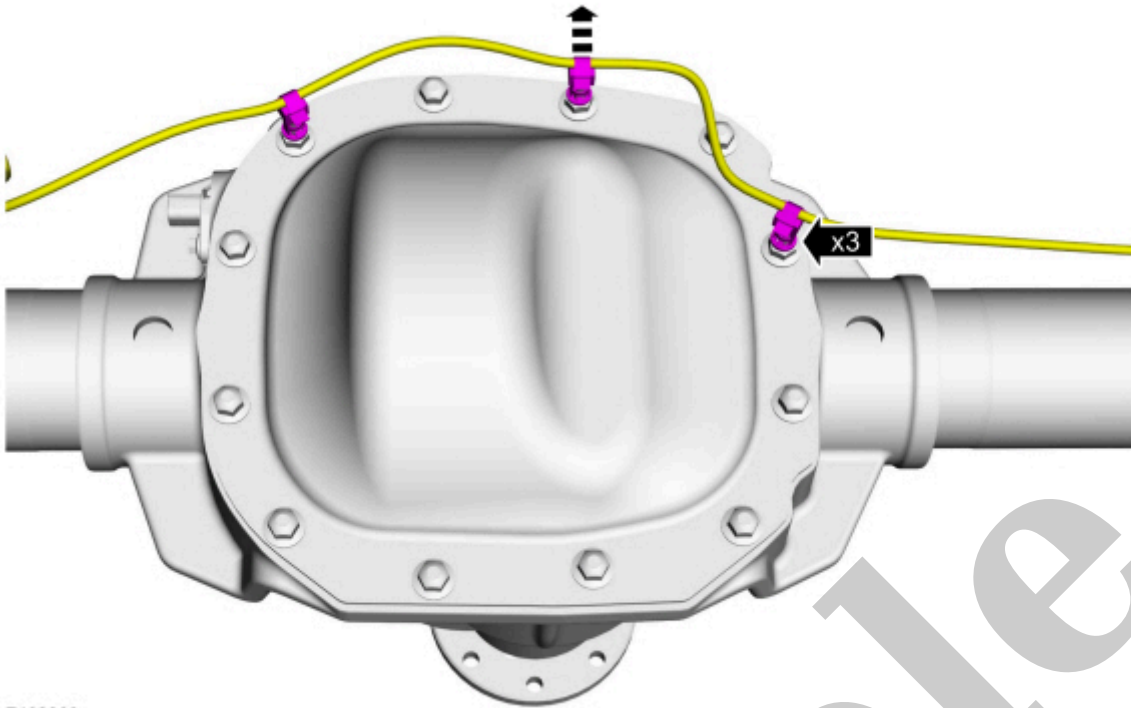
10. Install the axle shafts.

Refer to: [Axle Shaft](#)(205-02A Rear Drive Axle/Differential - Vehicles With: Ford 8.8 Inch Ring Gear, Removal and Installation).

11. Install the differential housing cover.

Refer to: [Differential Housing Cover](#)(205-02A Rear Drive Axle/Differential - Vehicles With: Ford 8.8 Inch Ring Gear, Removal and Installation).

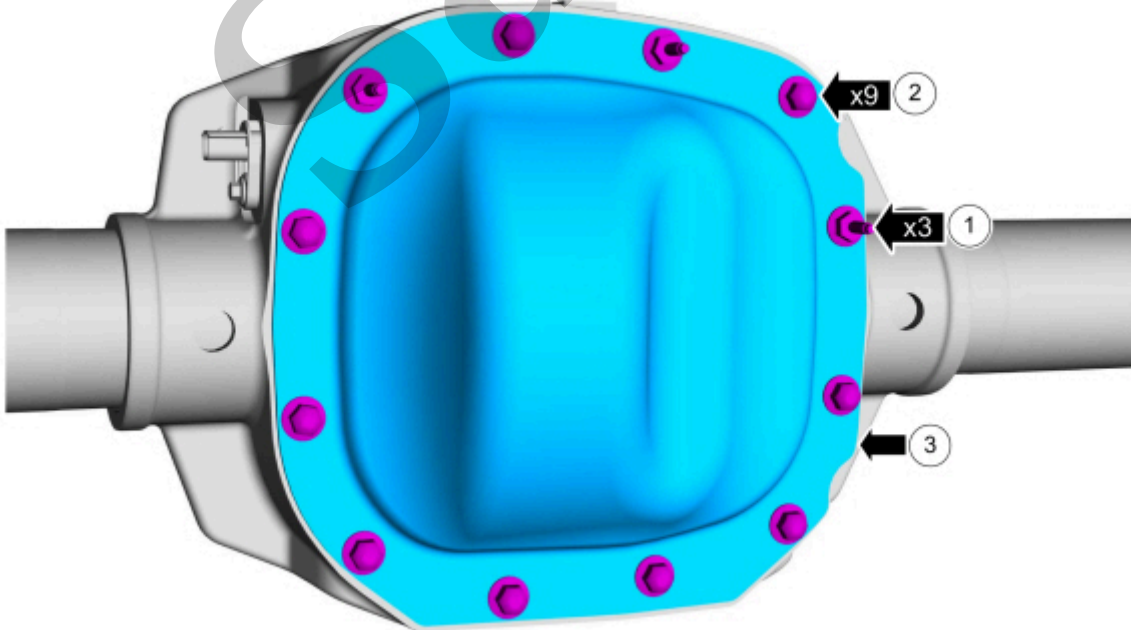
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3. 1. Remove the differential housing cover stud bolts.
2. Remove the differential housing cover bolts.
3. Remove the differential housing cover.



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