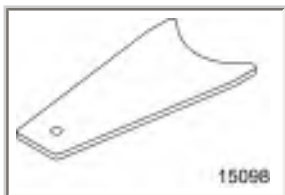


Differential Carrier

Special Tool(s) / General Equipment

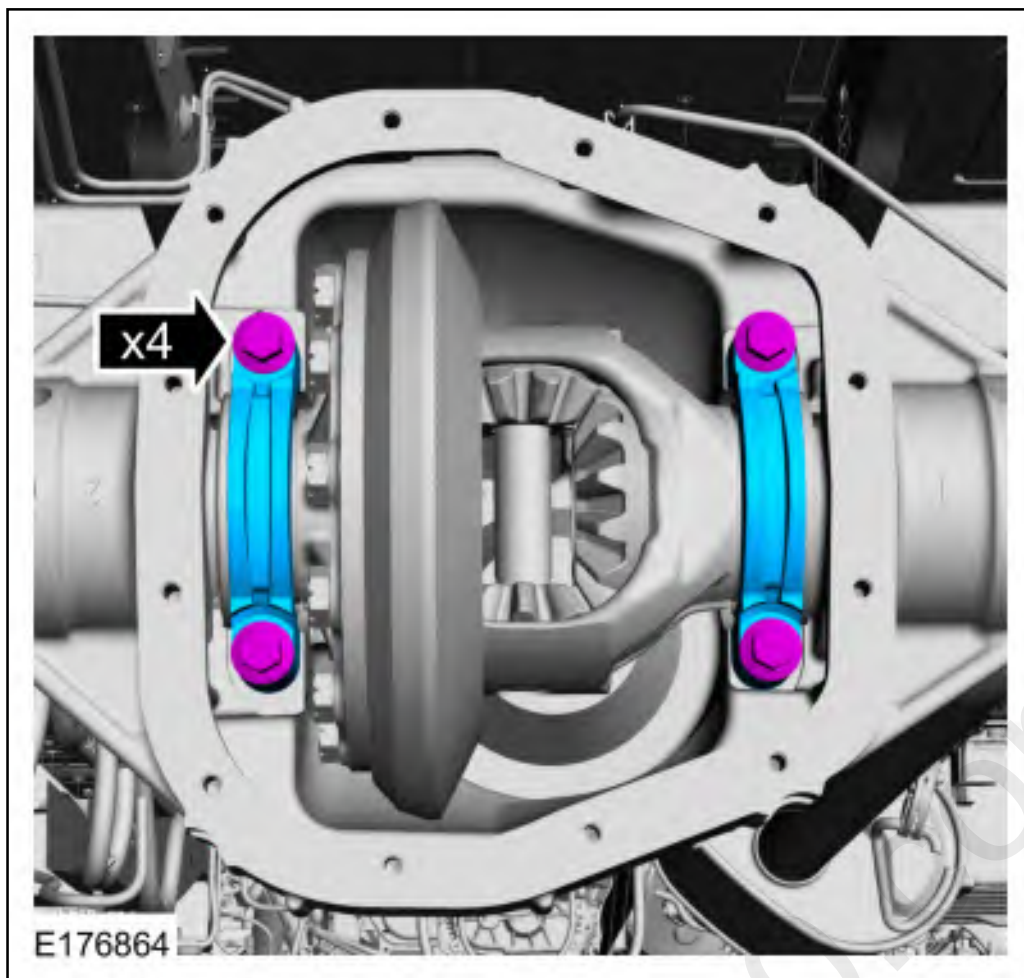
	205-220 Installer, Differential Shim TKIT-1985-FH
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Removal

All vehicles

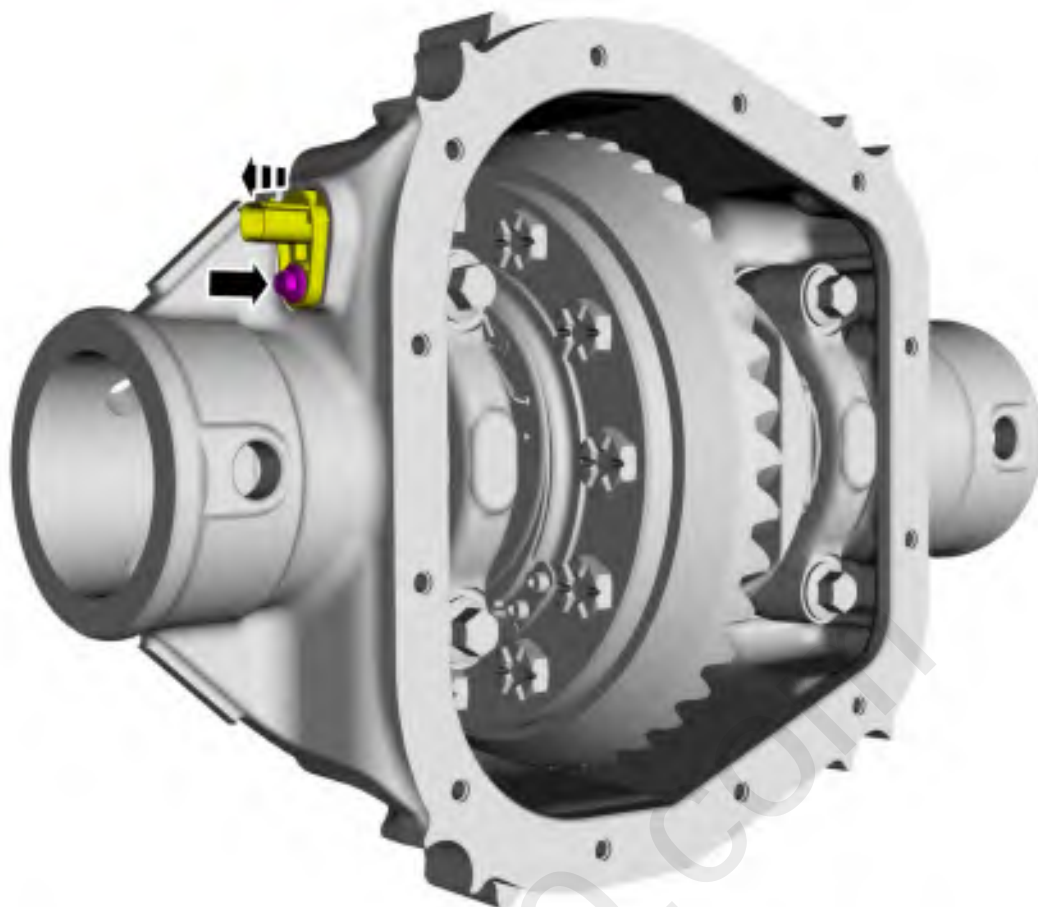
1. Remove the differential housing cover.
Refer to: [Differential Housing Cover](#) (205-02B Rear Drive Axle/Differential - Vehicles With: Ford 9.75 Inch Ring Gear, Removal and Installation).
2. Remove the axle shafts.
Refer to: [Axle Shaft](#) (205-02B Rear Drive Axle/Differential - Vehicles With: Ford 9.75 Inch Ring Gear, Removal and Installation).
3. **NOTE:** *The differential bearing caps and differential bearing cap bolts need to be installed in the same location as removed.*

With the dial indicator removed, remove the differential bearing cap bolts and differential bearing caps.



Vehicle equipped with ELD (Electronic Locking Differential)

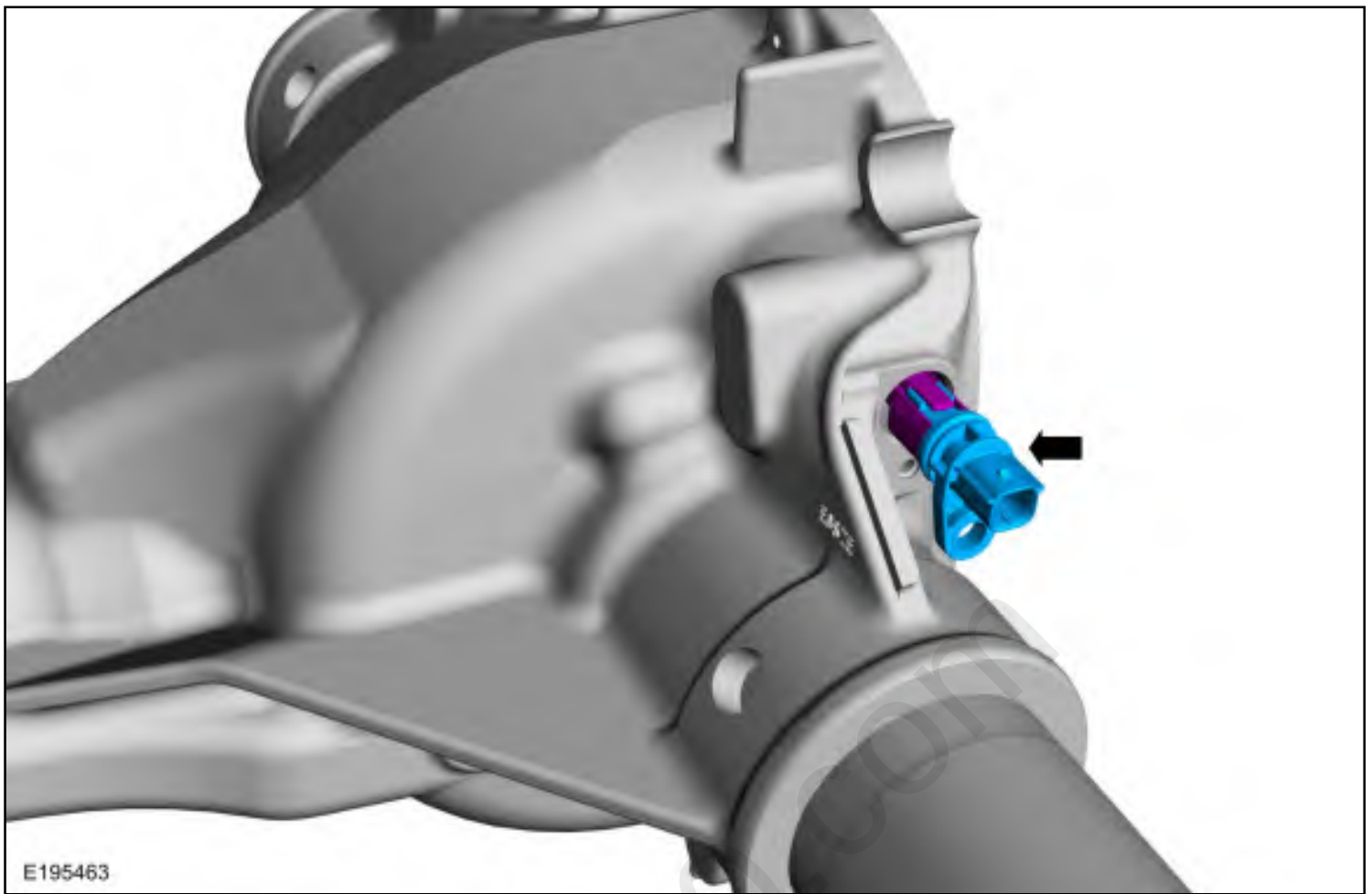
4. Remove the ELD bolt and pull the ELD connector adaptor out of the axle assembly housing.



E195462

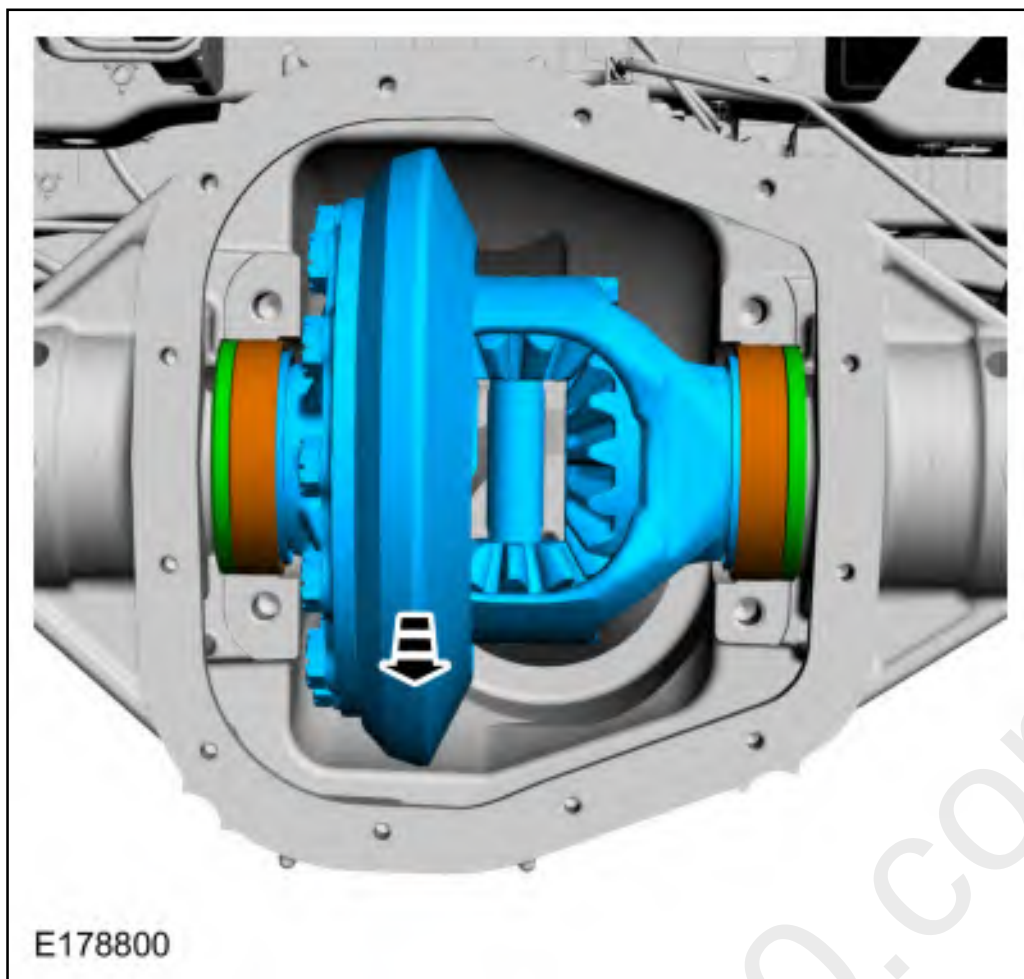


5. Disconnect the ELD coil electrical connector from the ELD connector adapter.



All vehicles

6. Remove the differential carrier, differential carrier bearing cups and the differential shims.

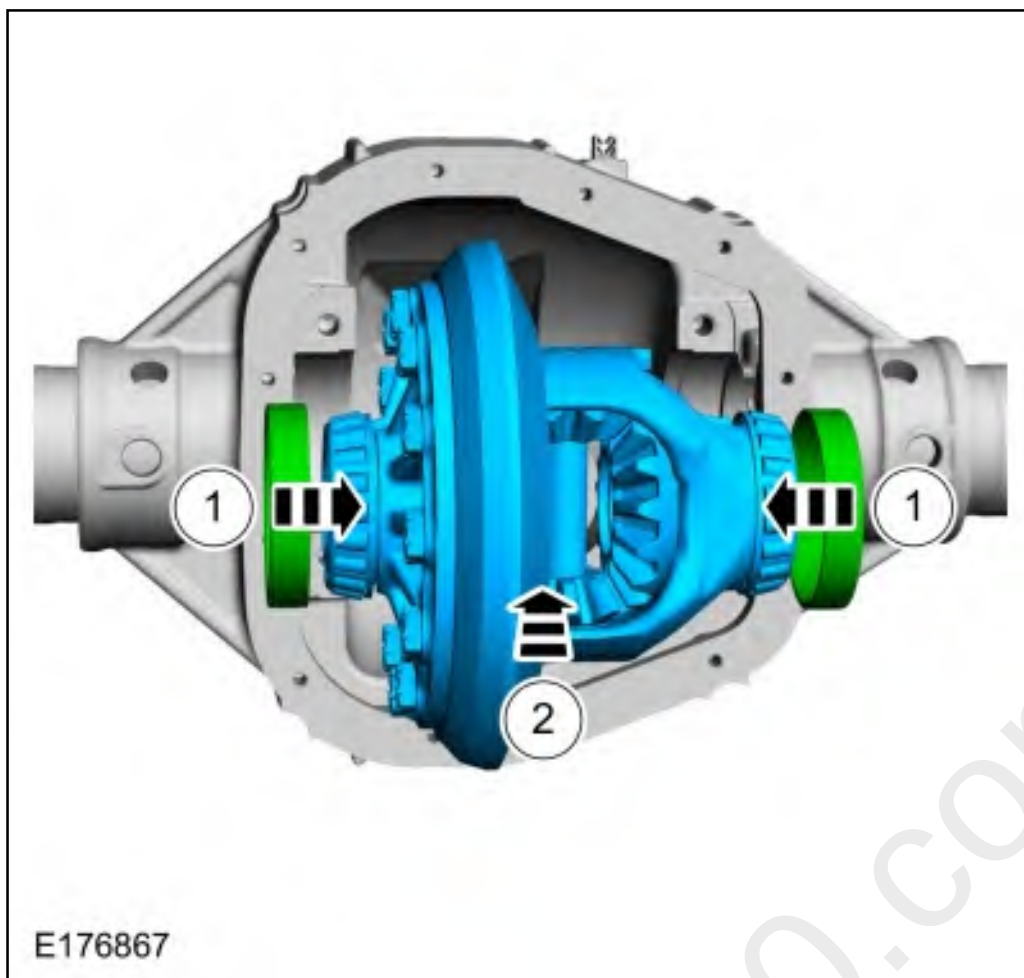


Installation

All vehicles

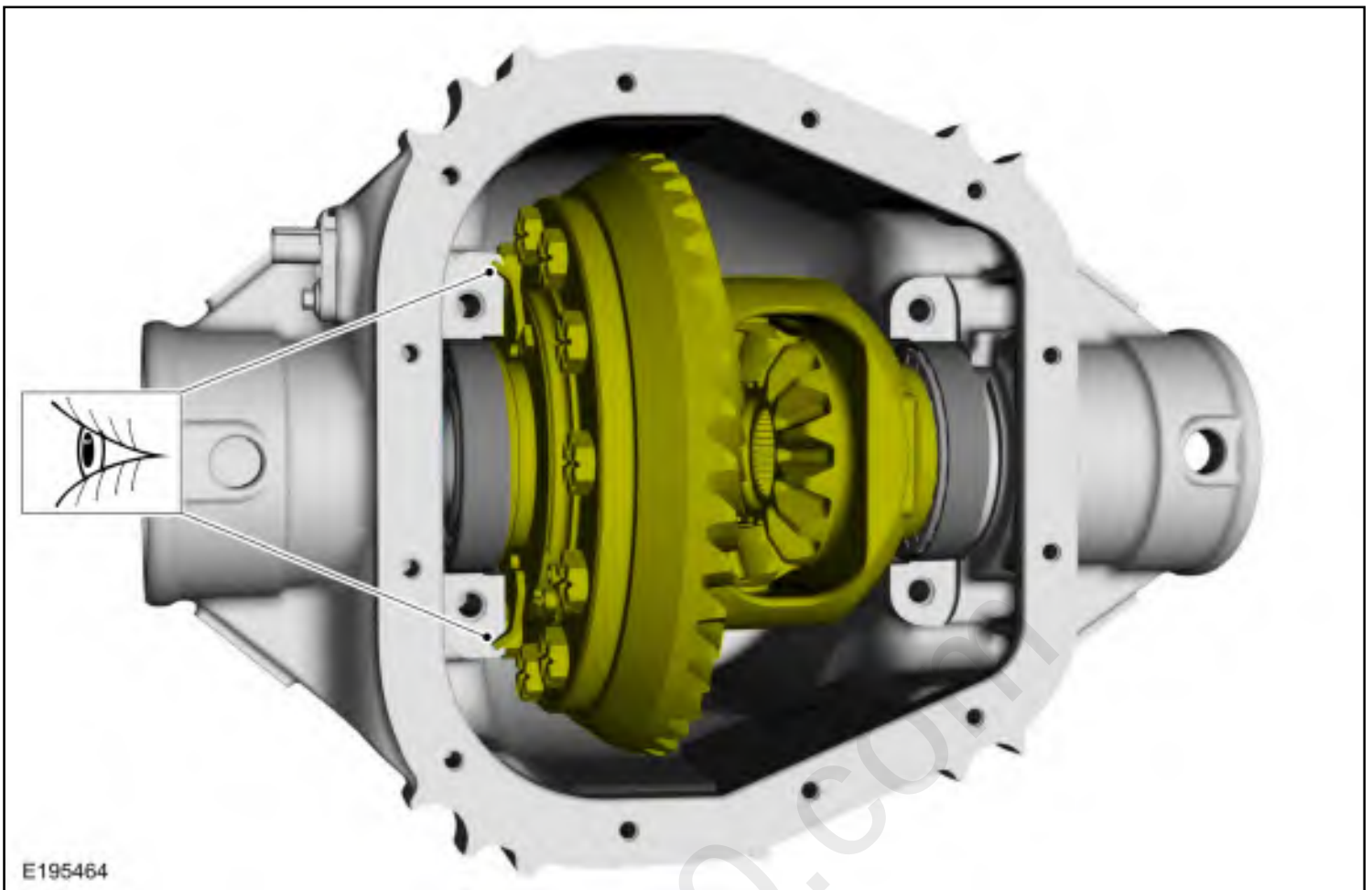
1. **NOTE:** *Have the selected shims available at this time. It will be required to hold the differential carrier and the differential carrier bearing cups in until shims are installed.*

Install the differential carrier and the differential carrier bearing cups.



Vehicle equipped with ELD (Electronic Locking Differential)

2. Install the differential carrier with the tabs on the ELD coil up against the differential bearing cap mounting surface.

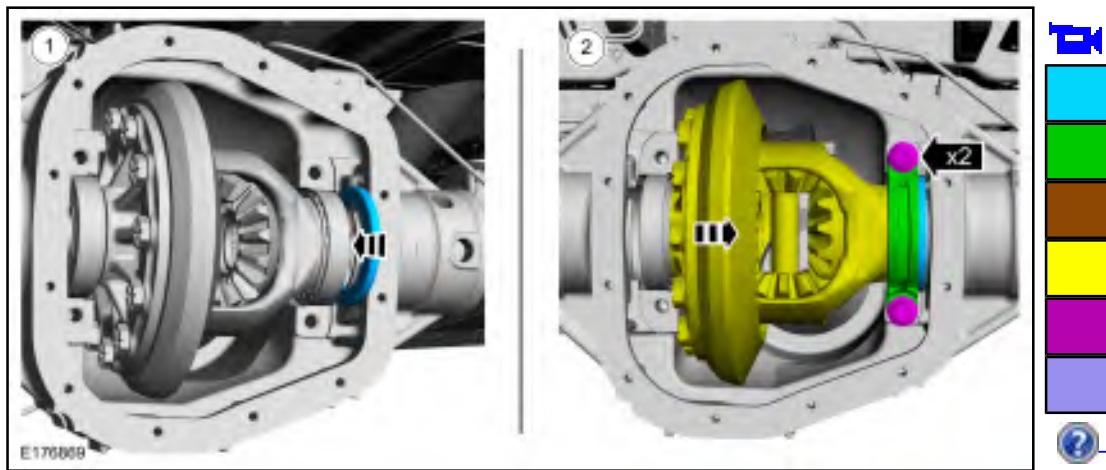


All vehicles

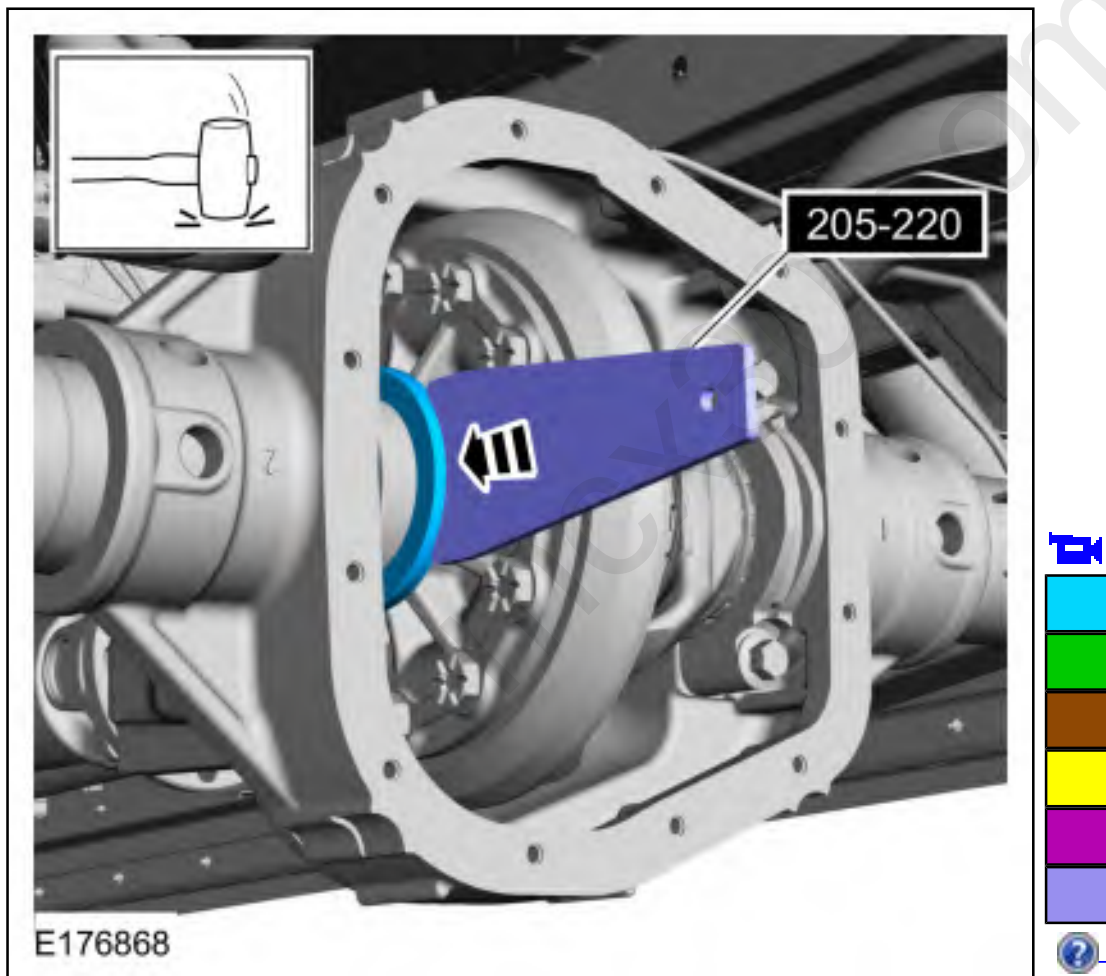
3. **NOTE:** *Differential bearing shims are to be installed with the chamfer facing outboard.*

- Install the RH selected ring gear back lash shim.
- Position the differential to the RH side of the differential housing.
- **NOTE:** *The differential bearing cap bolts should only be finger tight at this time.*

Install the RH differential bearing cap and the differential bearing cap bolts.

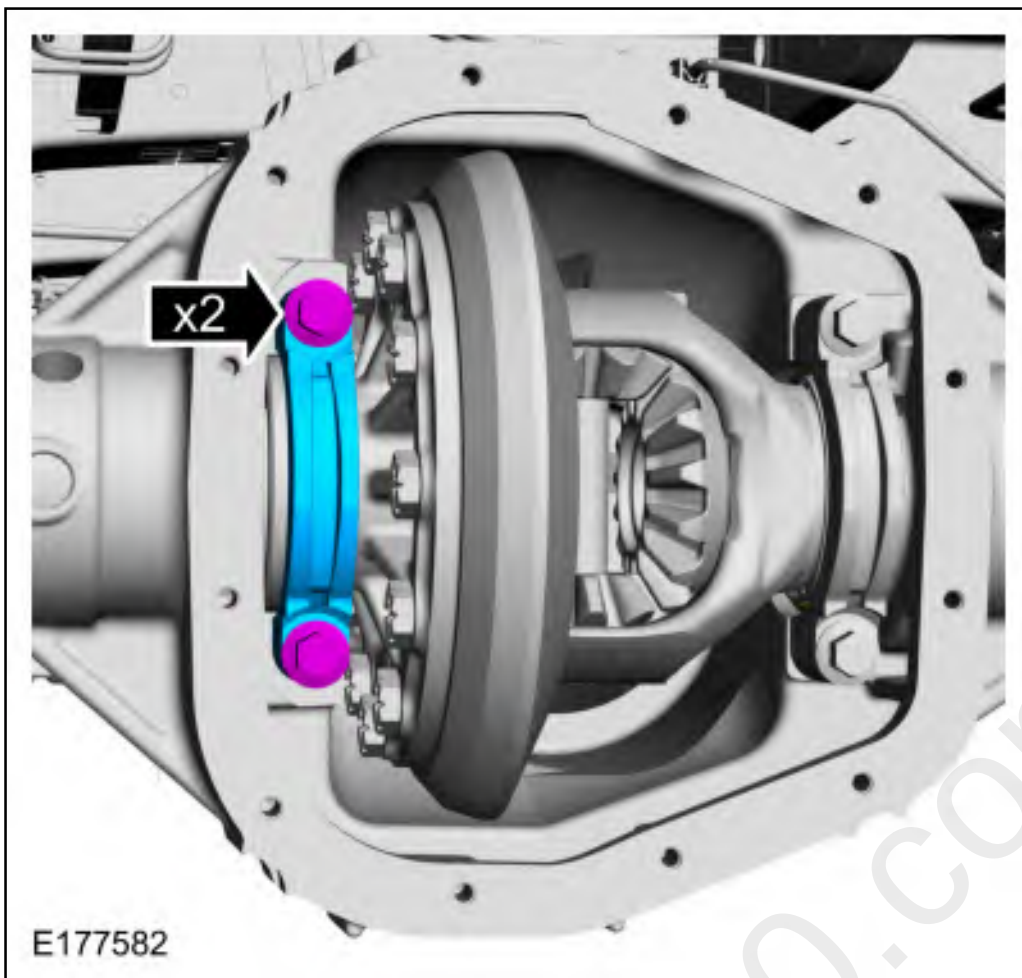


4. Using the special tool and a soft face brass mallet, install the LH selected ring gear back lash shim.
Use Special Service Tool: 205-220 Installer, Differential Shim.

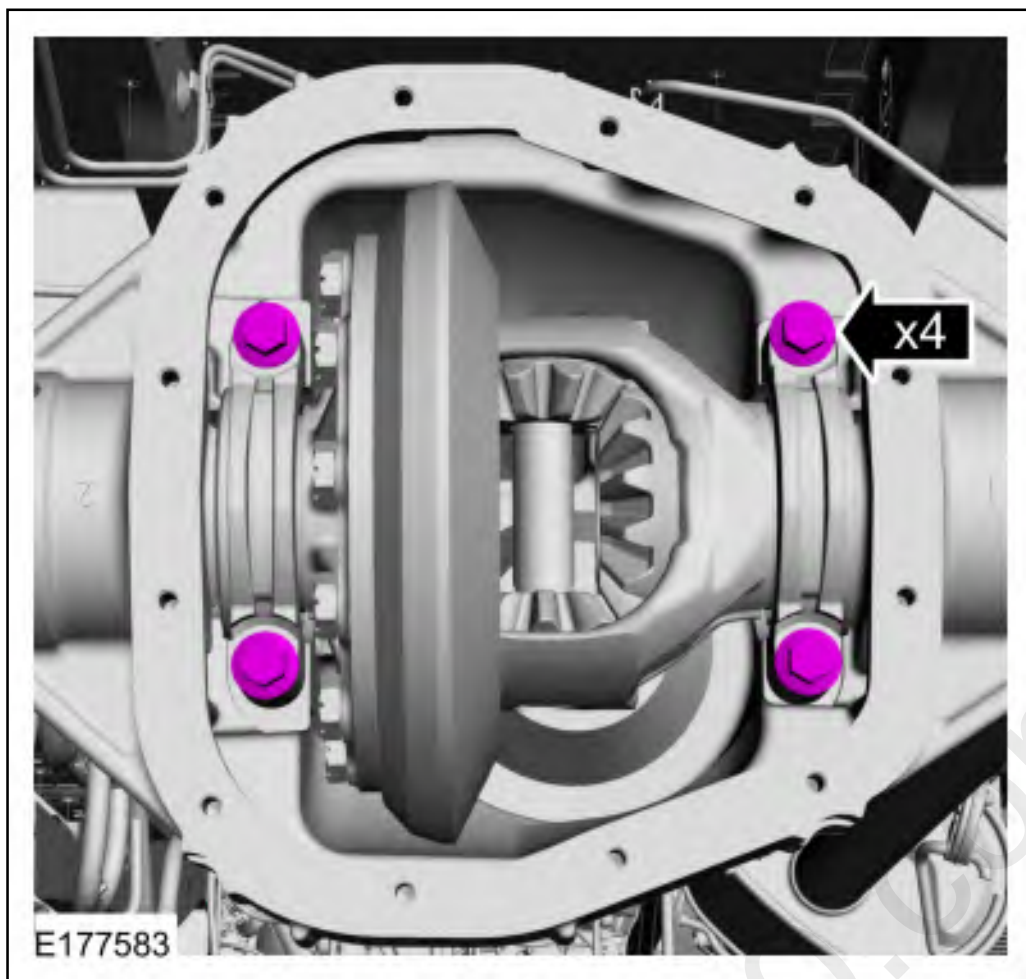


5. **NOTE:** The differential bearing cap bolts should only be finger tight at this time.

Install the LH differential bearing cap and the differential bearing cap bolts.

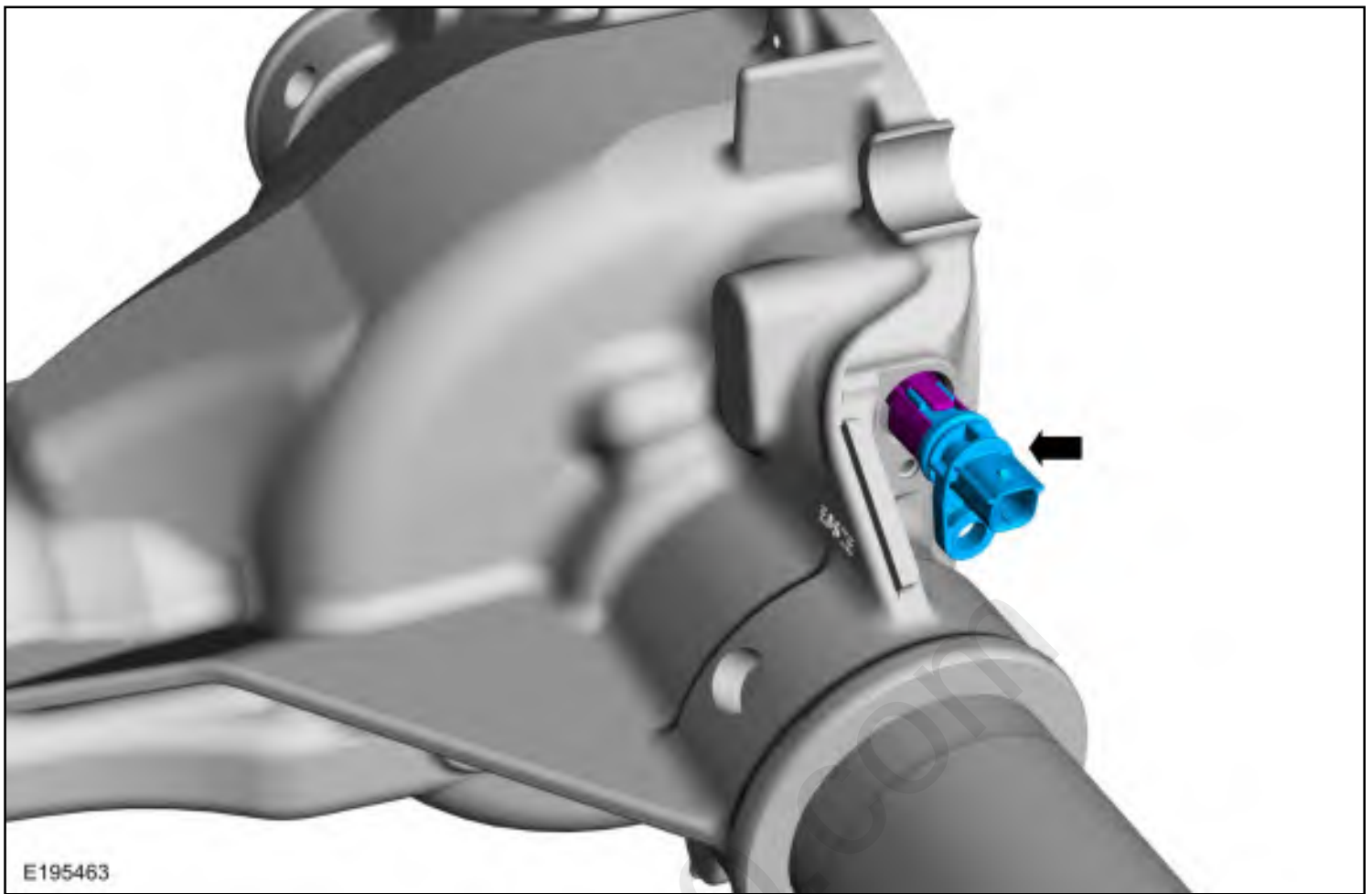


6. Tighten the differential bearing cap bolts.
Torque: 83 lb.ft (112 Nm)



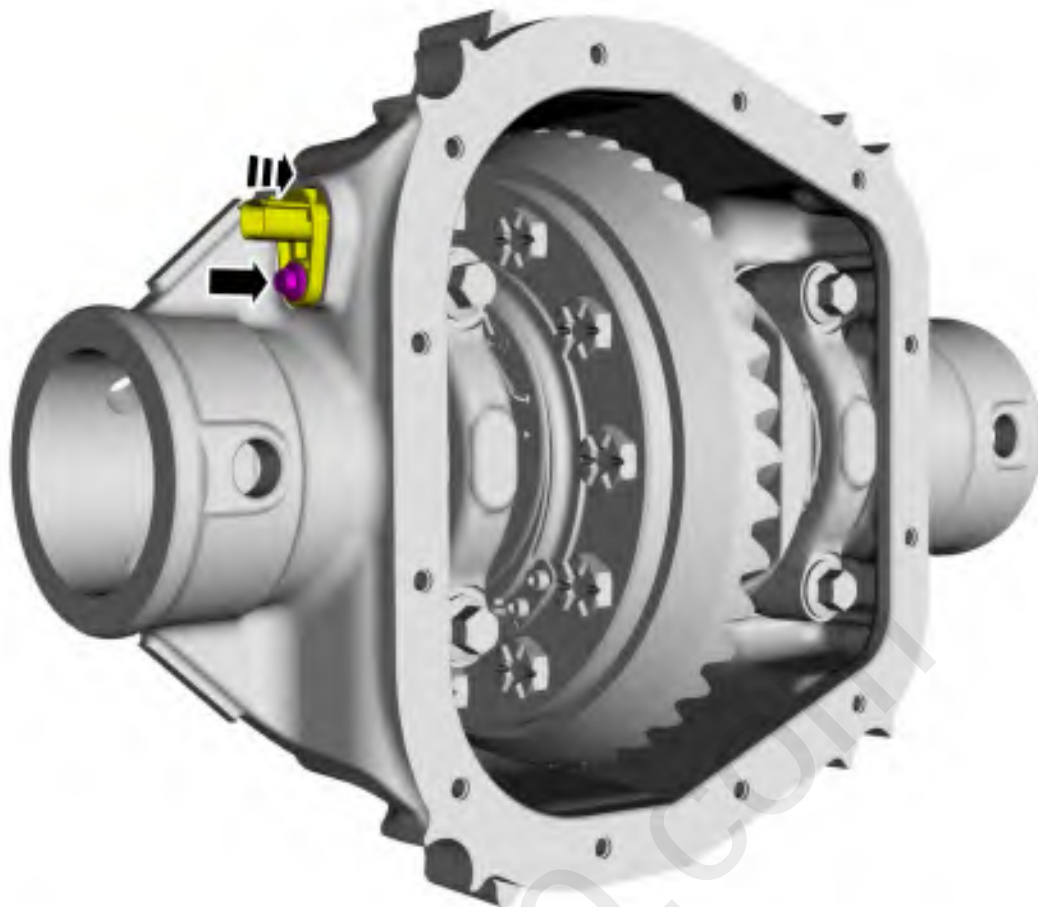
Vehicle equipped with ELD (Electronic Locking Differential)

7. Connect the ELD coil electrical connector to the ELD connector adaptor.



8. Install the ELD connector adaptor into the axle assembly housing, install the ELD connector adaptor bolt.

Torque: 62 lb.in (7 Nm)



All vehicles

9. Check the ring gear backlash.

Refer to: [Ring Gear Backlash Adjustment](#) (205-02B Rear Drive Axle/Differential - Vehicles With: Ford 9.75 Inch Ring Gear, General Procedures).

10. Install the axle shafts.

Refer to: [Axle Shaft](#) (205-02B Rear Drive Axle/Differential - Vehicles With: Ford 9.75 Inch Ring Gear, Removal and Installation).

11. Install the differential housing cover.

Refer to: [Differential Housing Cover](#) (205-02B Rear Drive Axle/Differential - Vehicles With: Ford 9.75 Inch Ring Gear, Removal and Installation).