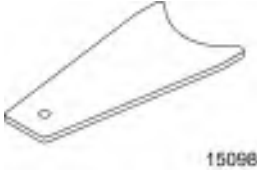


Differential Carrier

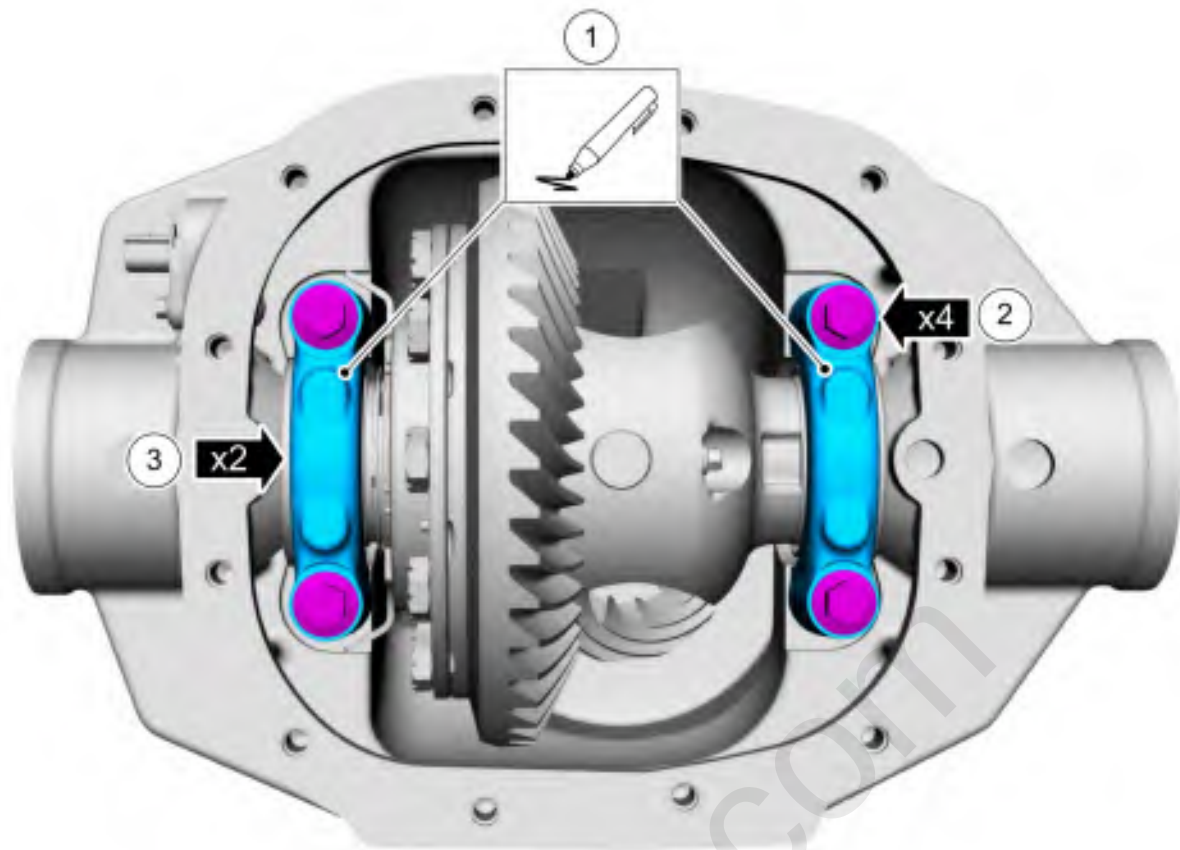
Special Tool(s) / General Equipment

	205-220 Installer, Differential Shim TKIT-1985-FH
Copper Hammer	

Removal

All vehicles

1. Remove 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).
2. Remove the axle shafts.
Refer to: [Axle Shaft](#) (205-02A Rear Drive Axle/Differential - Vehicles With: Ford 8.8 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.*
 1. Mark the differential bearing caps.
 2. Remove the differential bearing cap bolts.
 3. Remove the differential bearing caps.

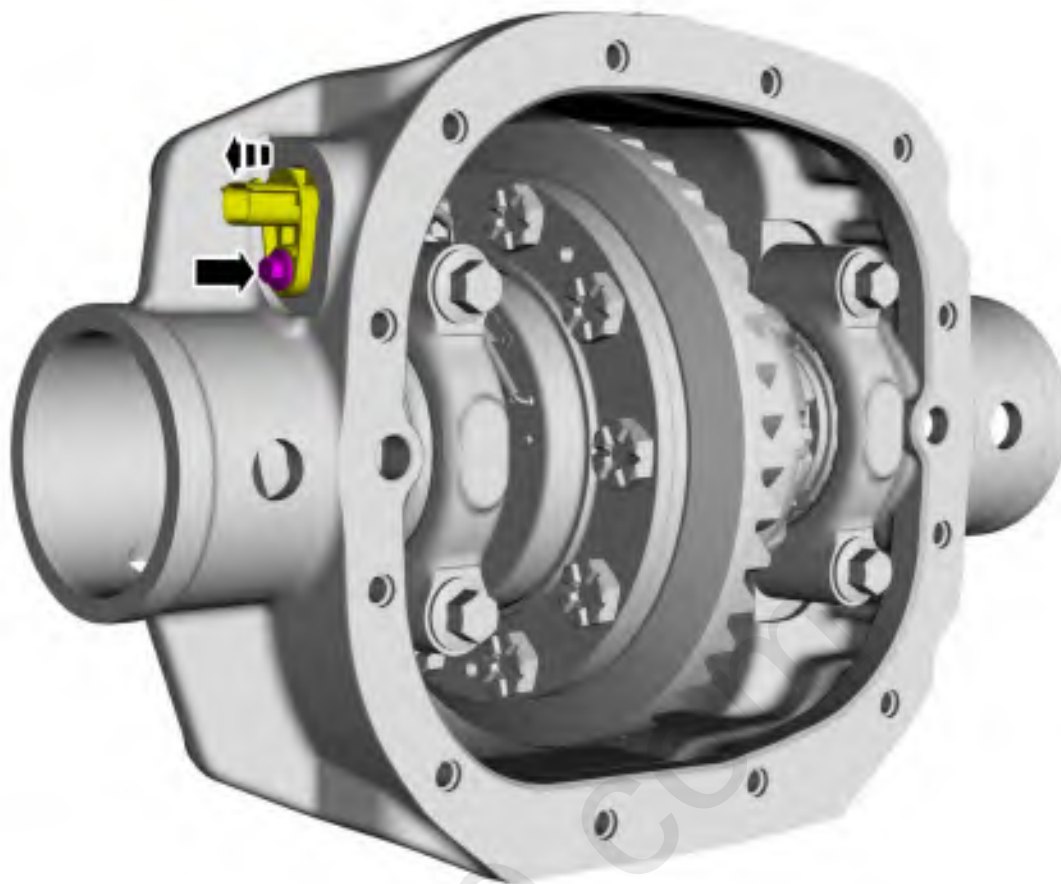


E194839

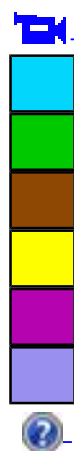


Vehicle equipped with ELD (Electronic Locking Differential)

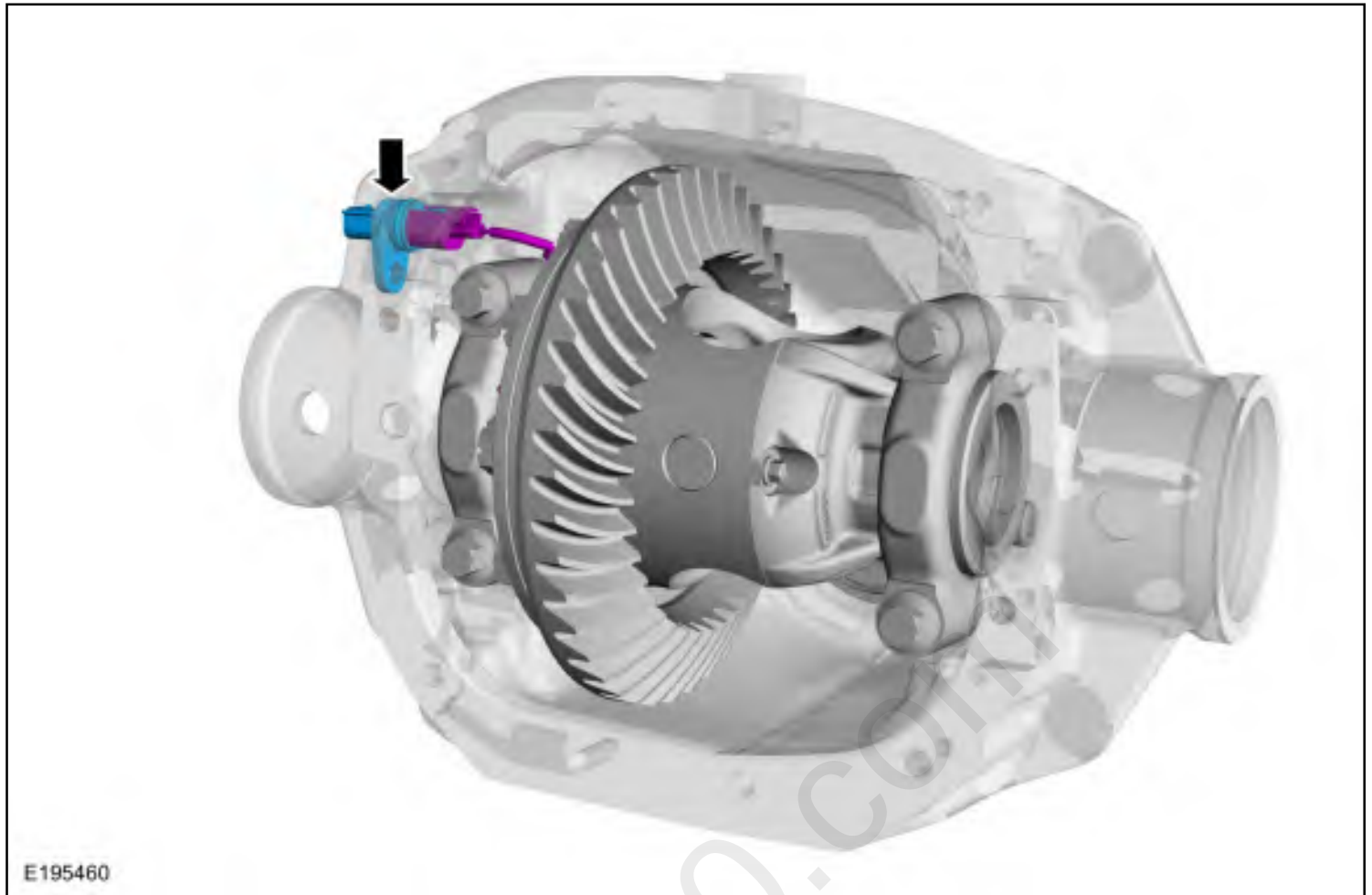
4. Remove the ELD bolt and pull the ELD connector adaptor out of the axle assembly housing.



E195459

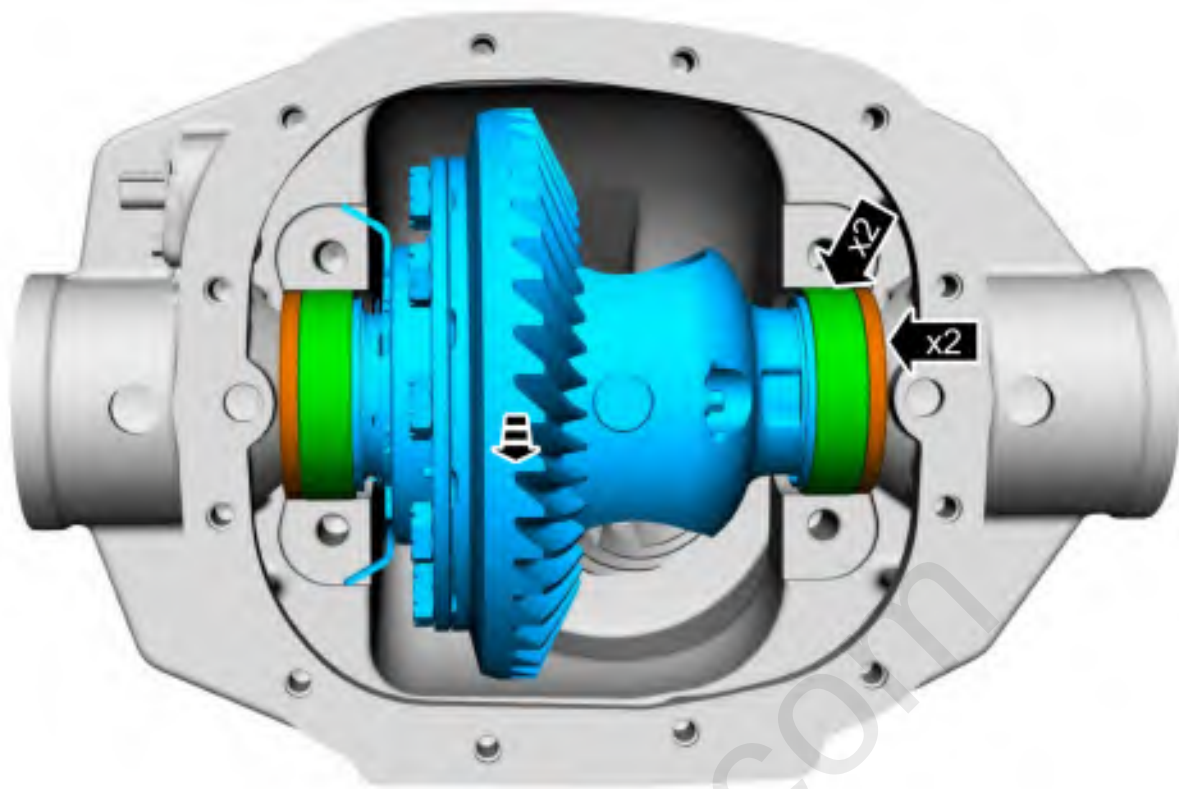


5. Disconnect the ELD coil electrical connector from the ELD connector adapter.



All vehicles

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



E194840



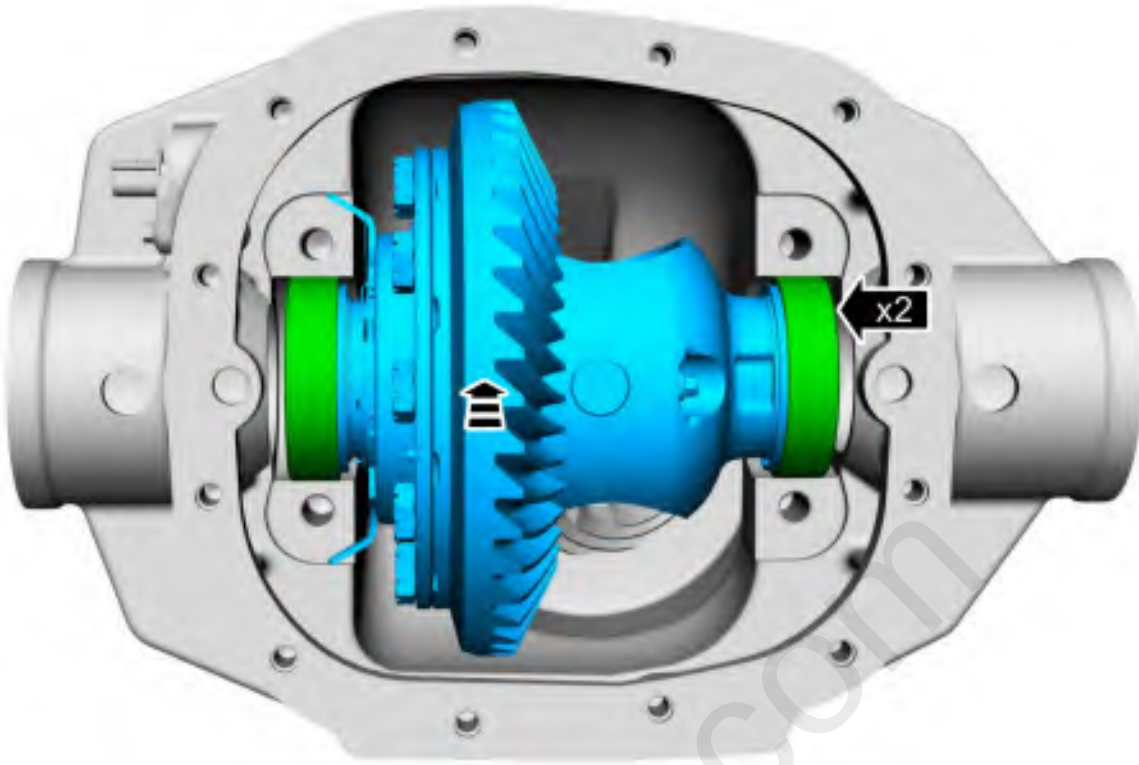
Installation

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.

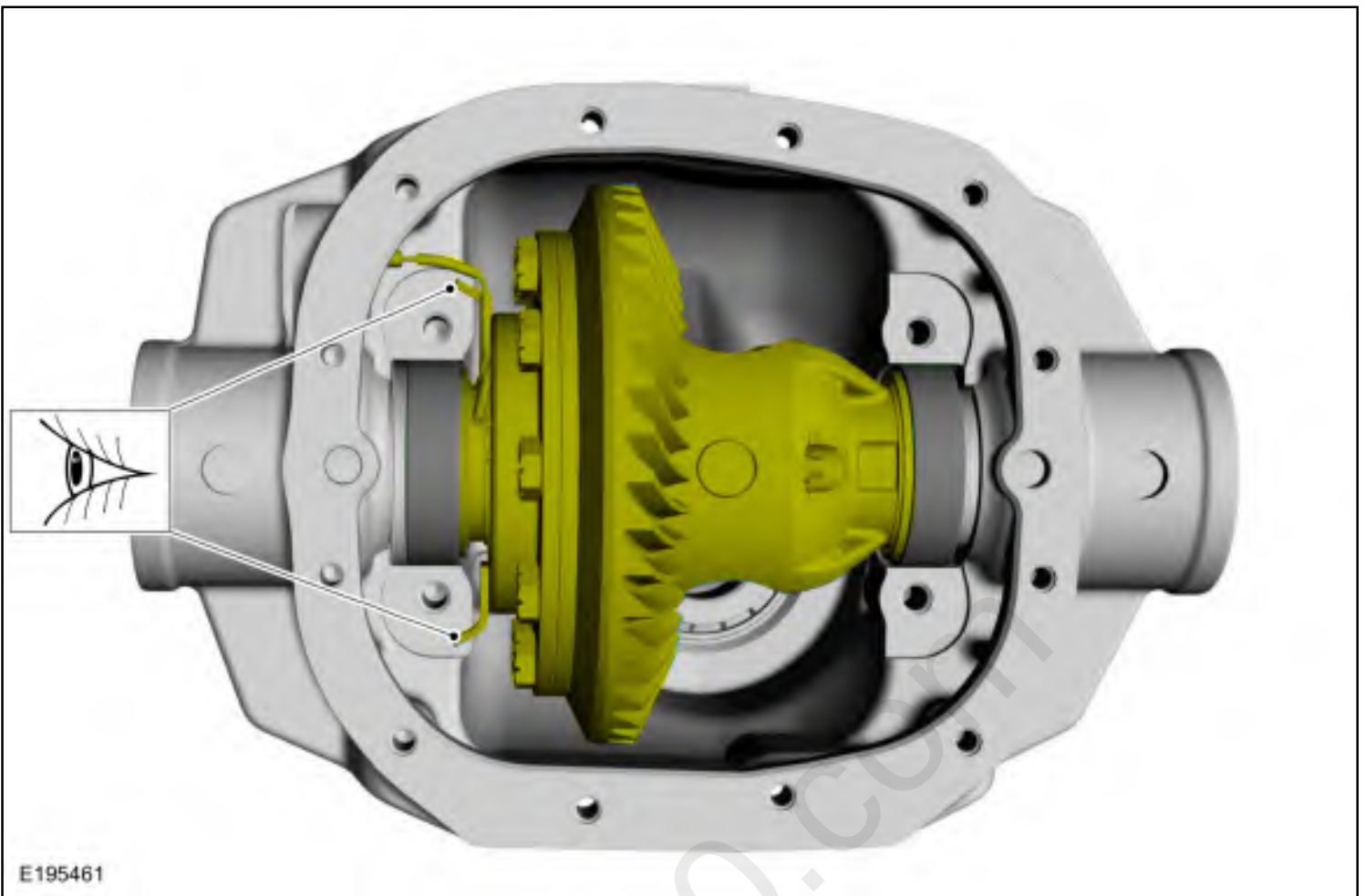


E194841



Vehicle equipped with ELD (Electronic Locking Differential)

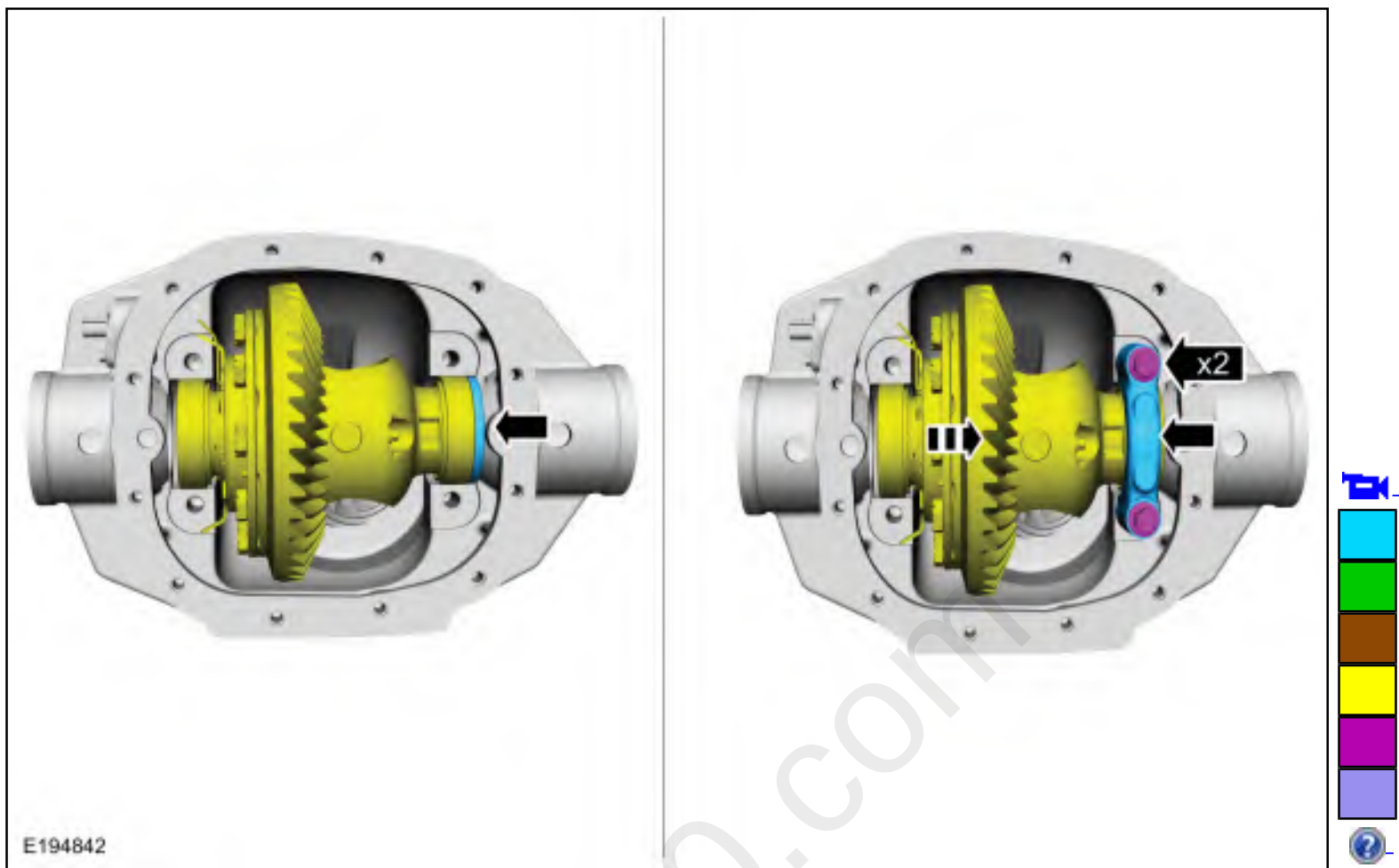
2. Install the differential carrier with the tabs on the ELD coil up against the differential bearing cap mounting surface.



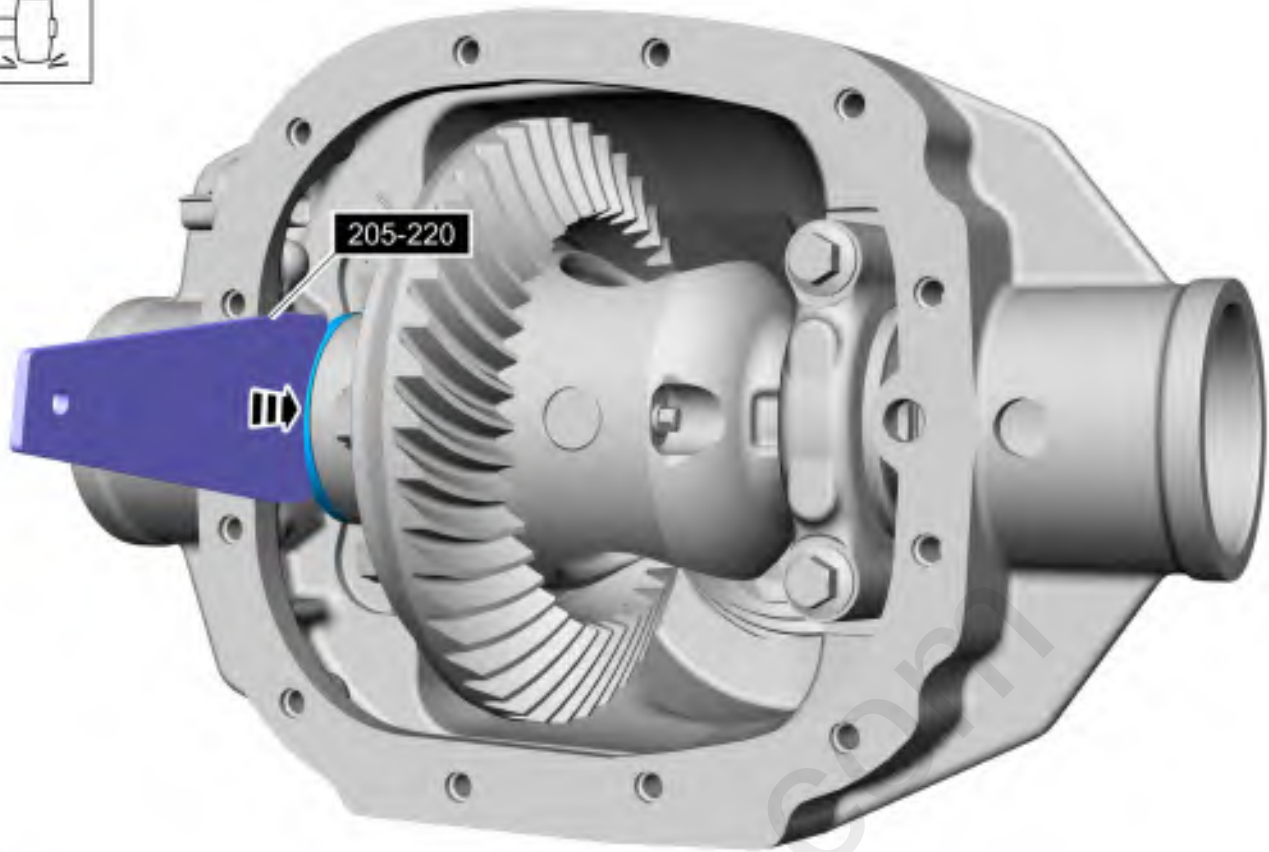
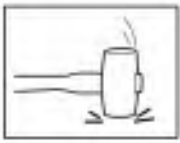
All vehicles

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

Position the differential to the RH side of the differential housing. Install the RH differential bearing cap and the differential bearing cap bolts.



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

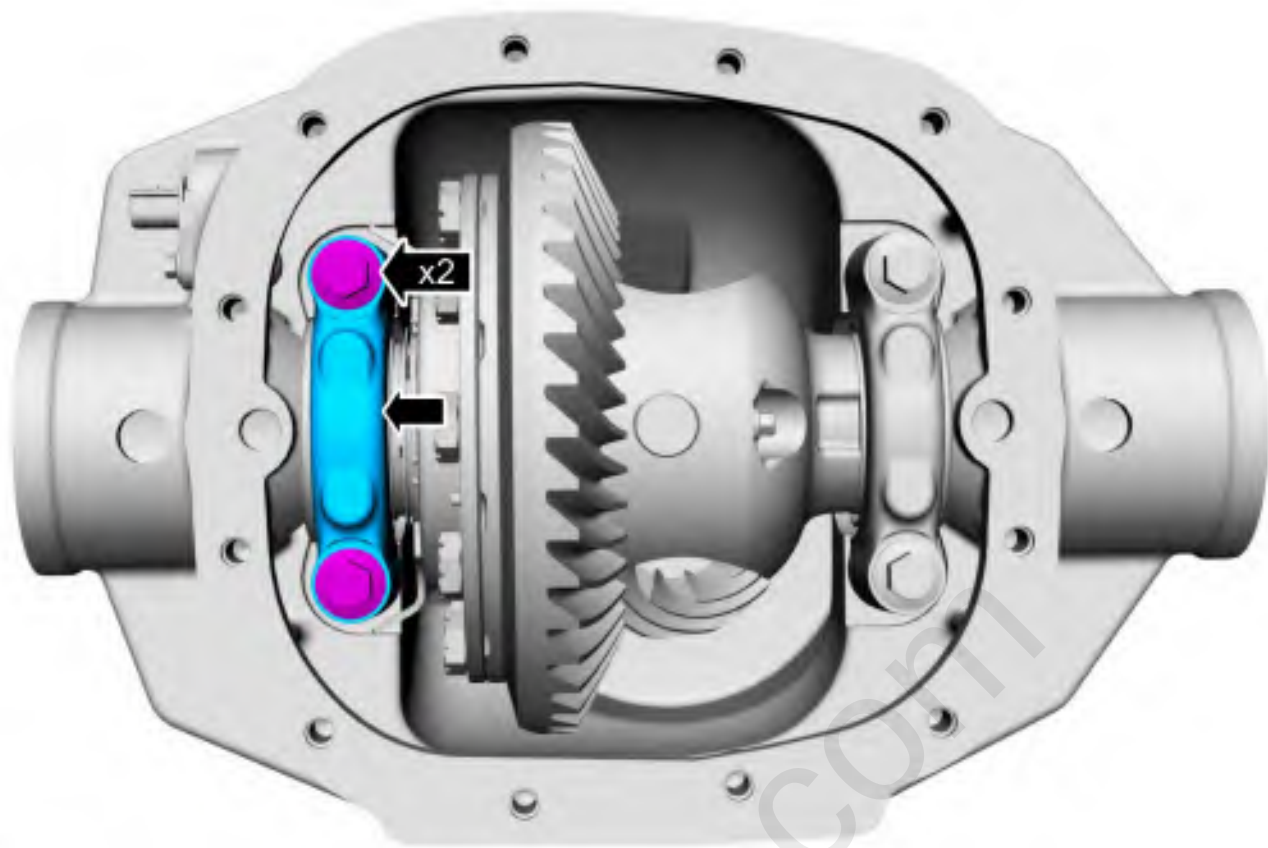


E194843



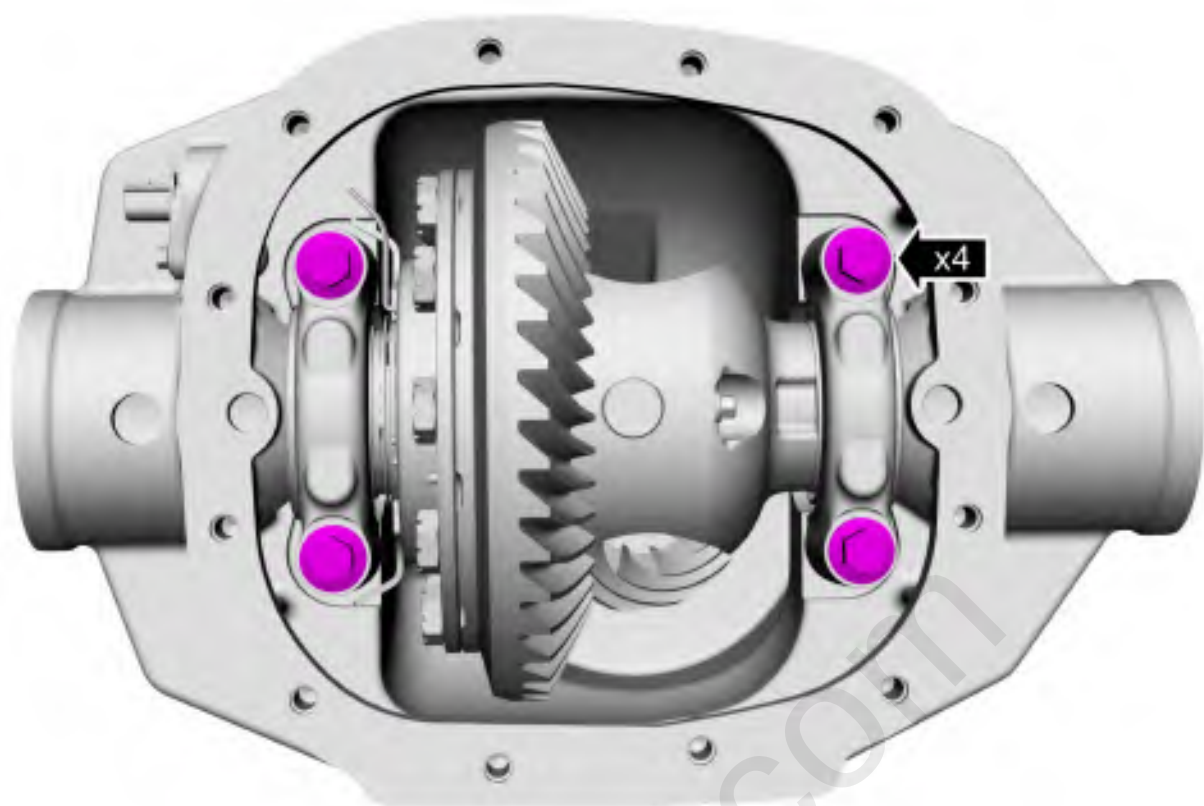
5. **NOTE:** *The differential bearing cap bolts should only be finger tight at this time.*

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



E194844

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

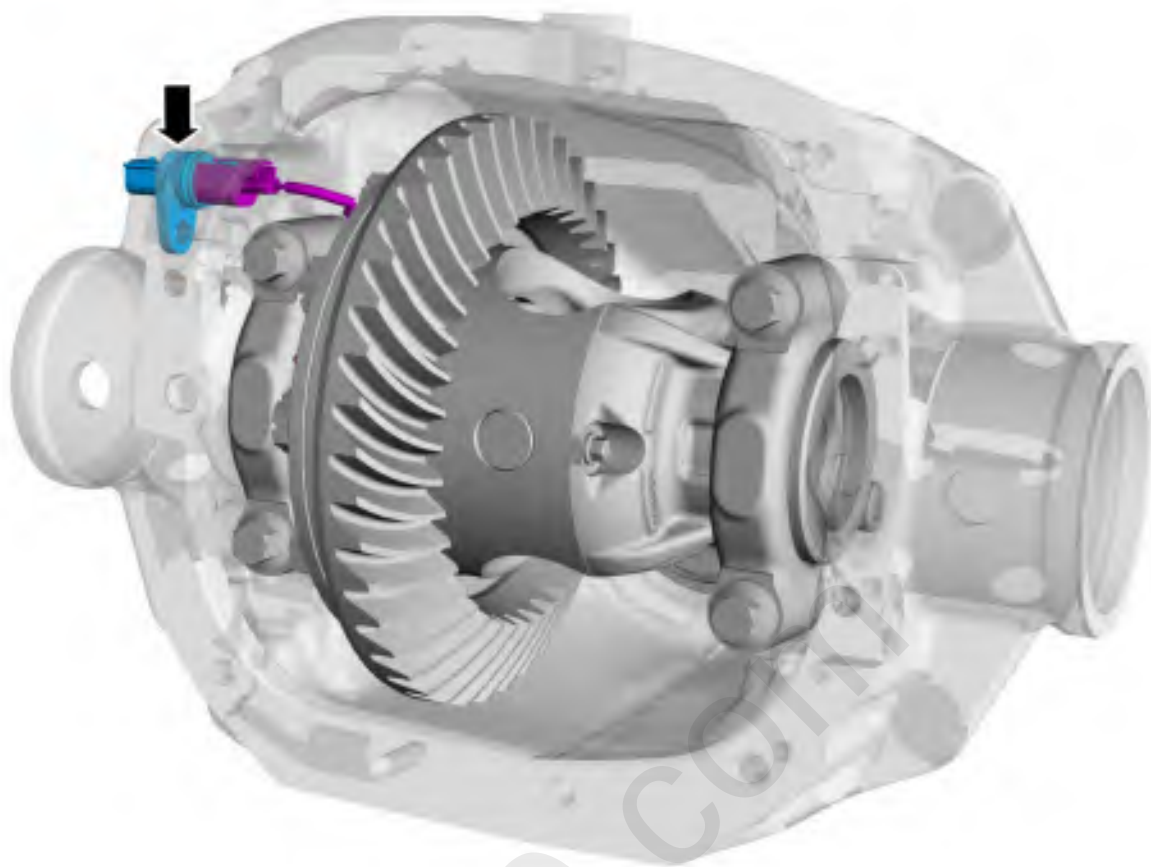


E194845



Vehicle equipped with ELD (Electronic Locking Differential)

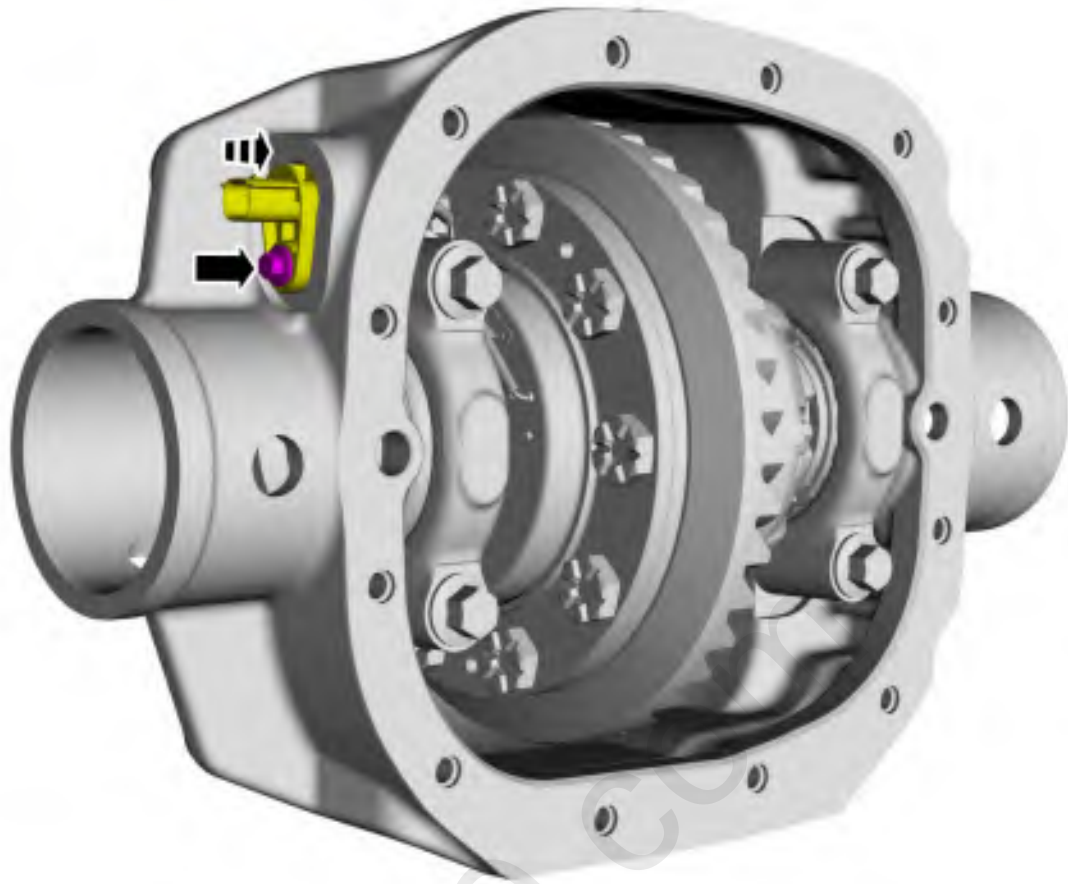
7. Connect the ELD coil electrical connector to the ELD connector adaptor.



E195460

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

Torque: 62 lb.in (7 Nm)



E195466



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).