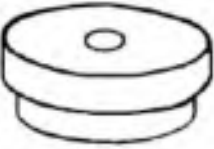


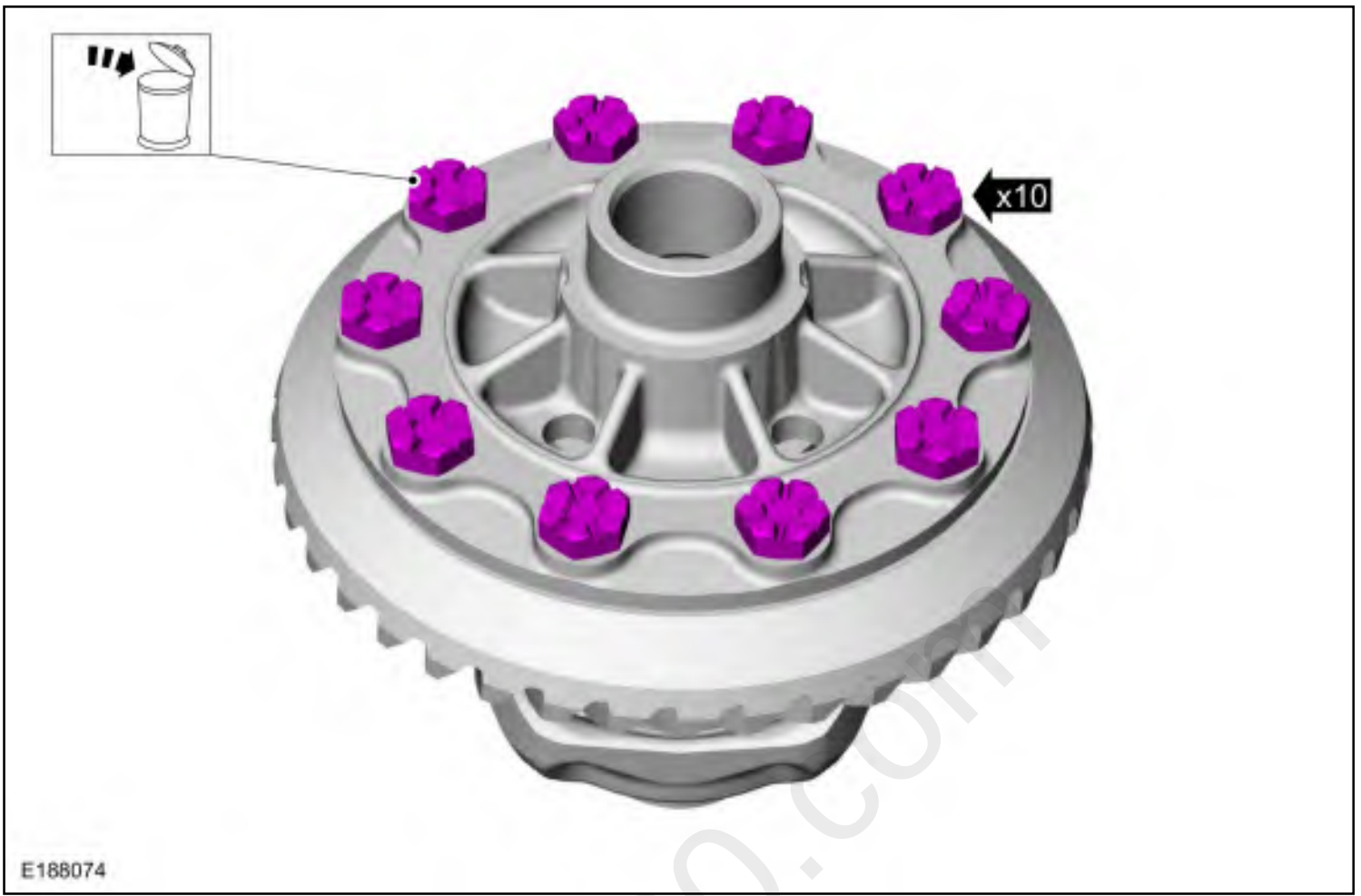
Differential Case Runout Check

Special Tool(s) / General Equipment

 E188621	205-1016 Installer, Differential Bearing TKIT-2014D-FL_ROW TKIT-2014D-ROW2
 E133913	205-153 (T80T-4000-W) Handle
	205-D061 (D83T-4205-C2) Step Plate
Dial Indicator	
Three Leg Puller	
Punch	
Copper Hammer	

Check

1. Remove the differential.
Refer to: [Differential Carrier](#) (205-03 Front Drive Axle/Differential, Removal and Installation).
2. Remove and discard the ring gear bolts.

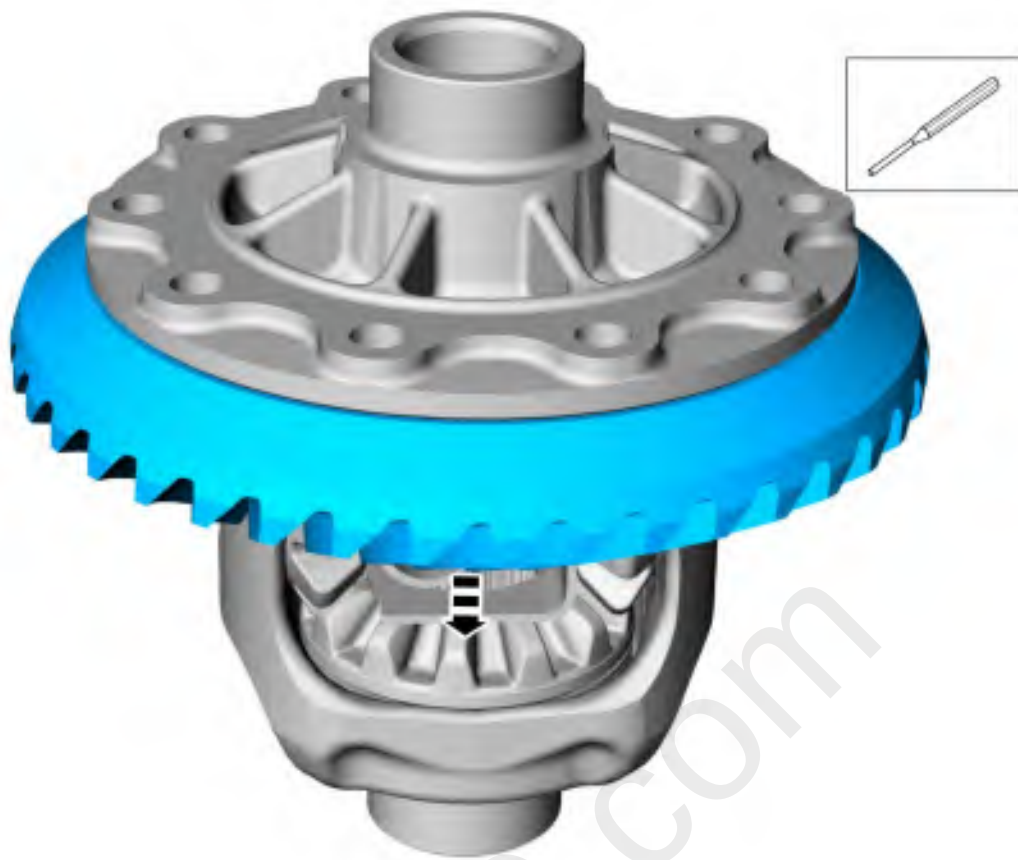


3. **NOTICE:** Care should be taken not to damage the differential ring gear bolt hole threads.

Using the general equipments, remove the ring gear.

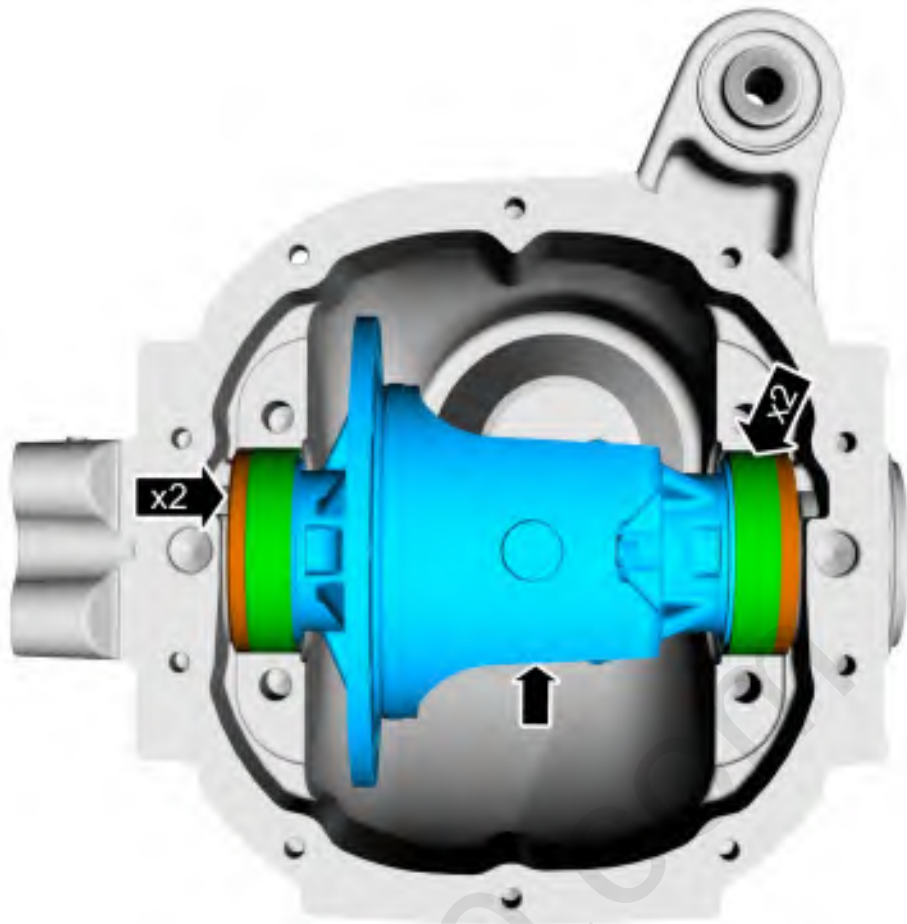
Use the General Equipment: Punch

Use the General Equipment: Copper Hammer



E188075

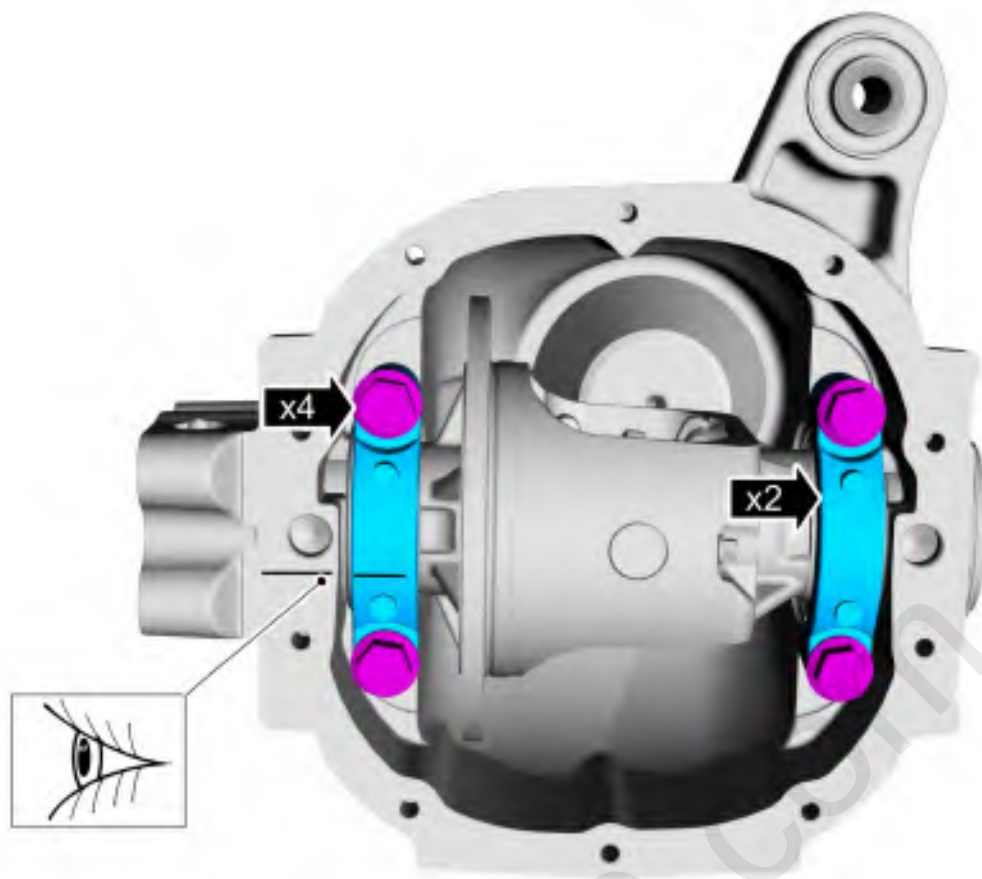
4. Install the Differential carrier, differential carrier bearing cups and differential bearing preload shims.



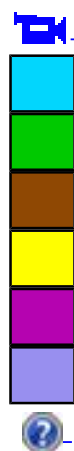
E194038



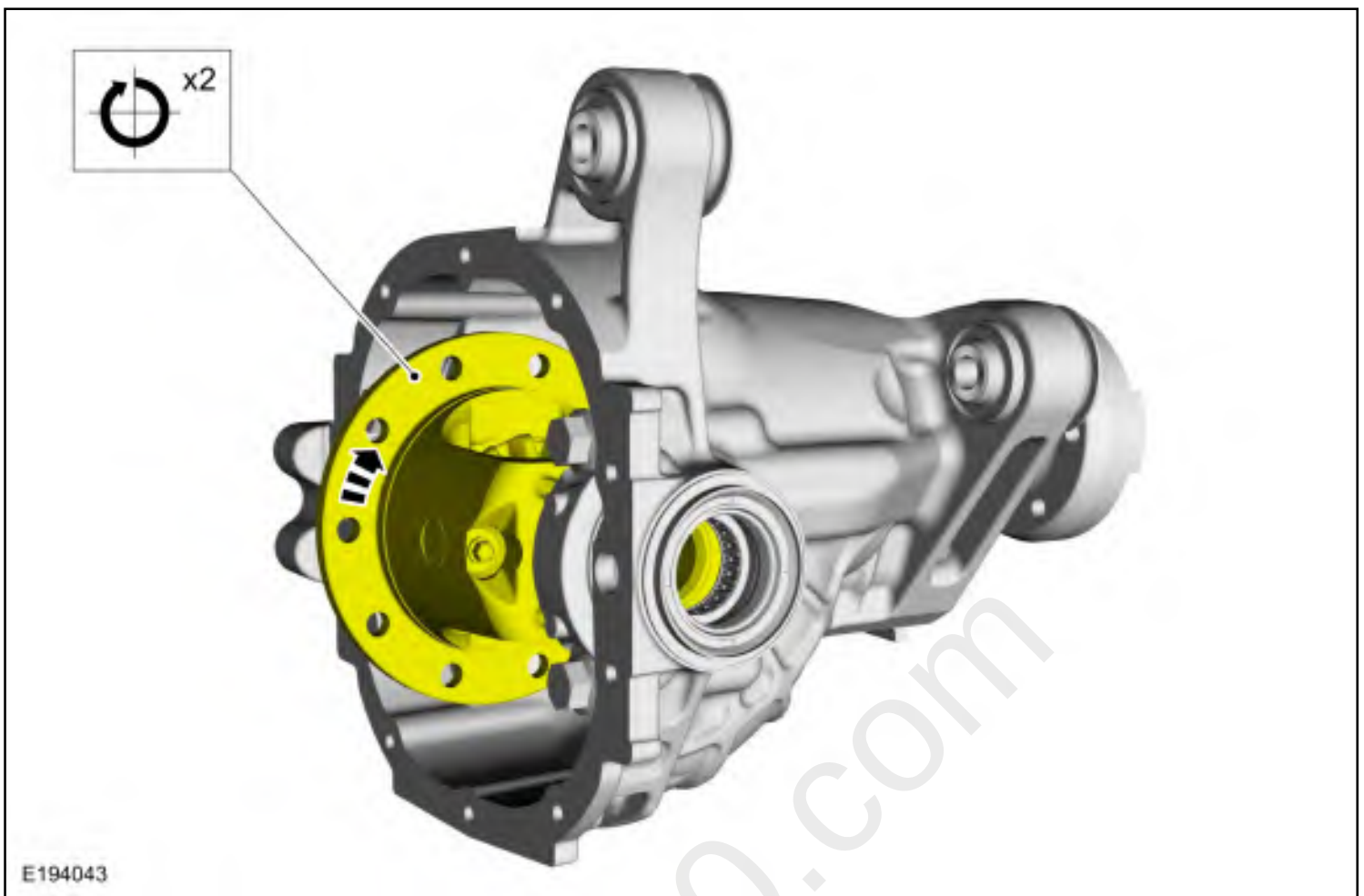
5. Install the differential bearing caps and bolts. Align the differential bearing caps in there original location.
Torque: 94 lb.ft (128 Nm)



E194039



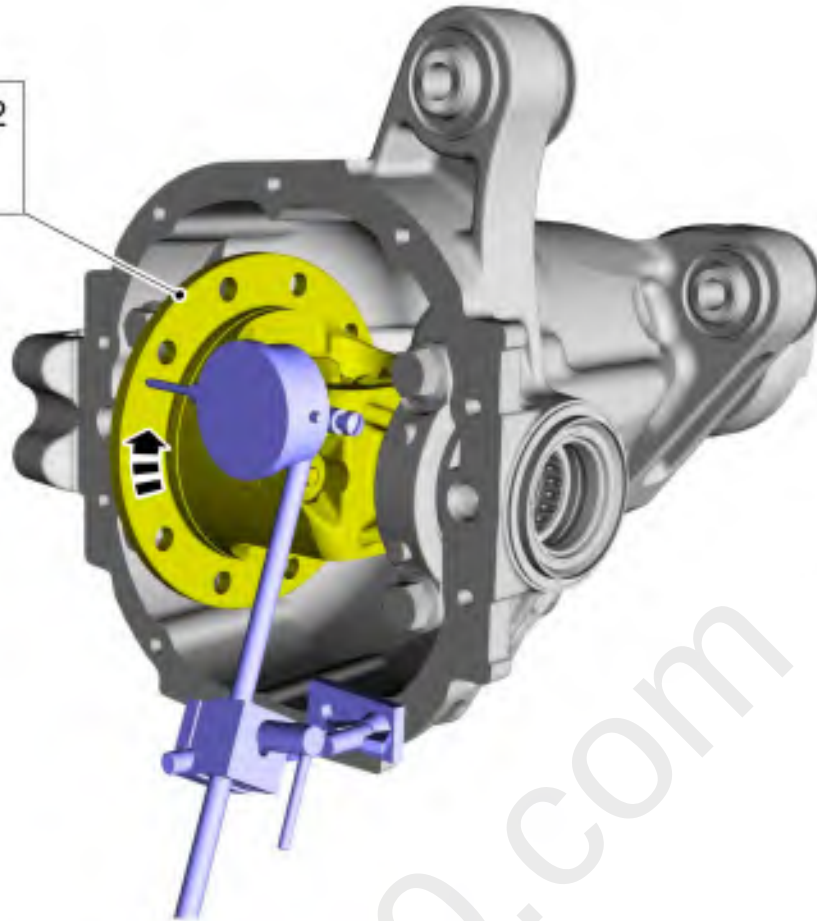
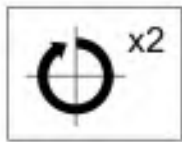
6. Rotate the differential carrier to make sure the bearings have seated correctly.



7.

Using the dial indicator, rotate the differential carrier and measure the differential carrier runout.

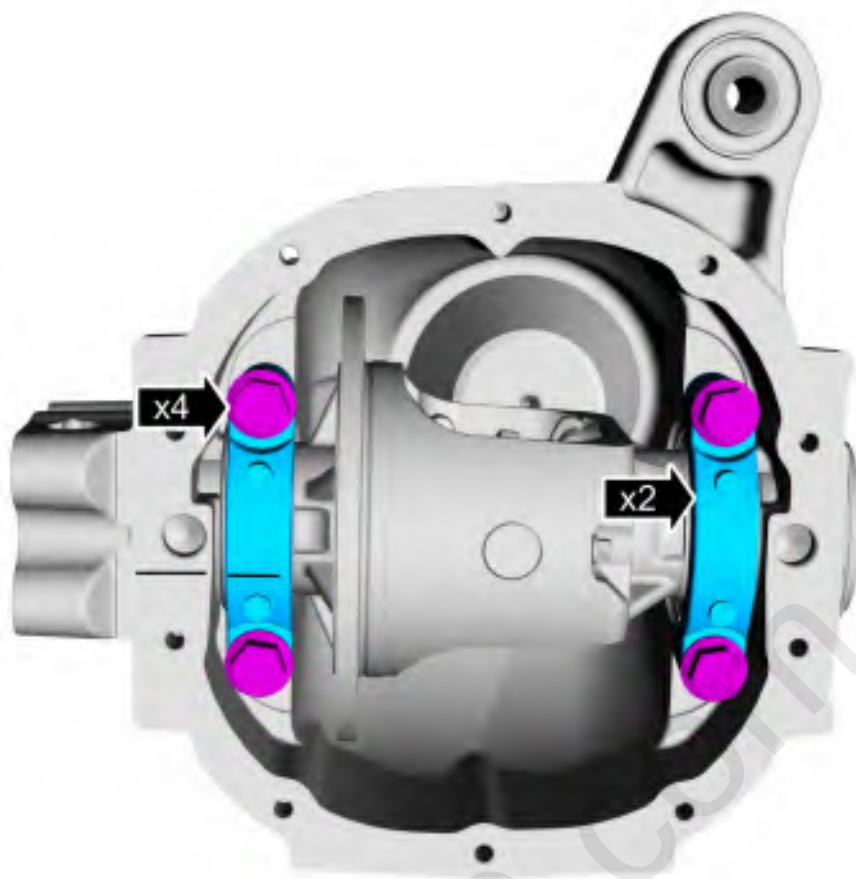
- If the runout does not exceed the specification, install a new ring gear and pinion.
Use the General Equipment: Dial Indicator
- If runout exceeds the specification, the ring gear is true and the condition is due to differential carrier/differential bearing damage.
- Inspect the differential bearings and the differential carrier. Always install new differential bearings when installing a new differential carrier, or if a bearing condition is questionable.



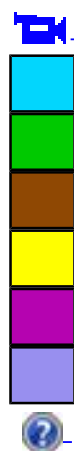
E194040



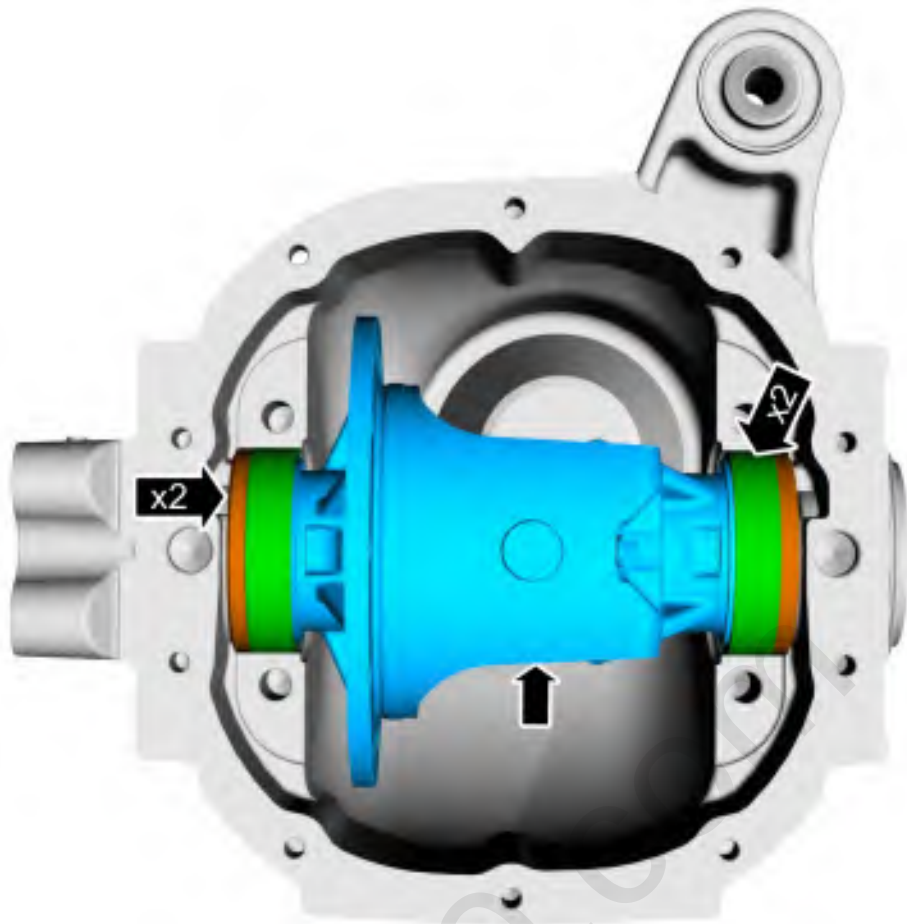
8. Remove the bolts and the differential bearing caps.



E194049



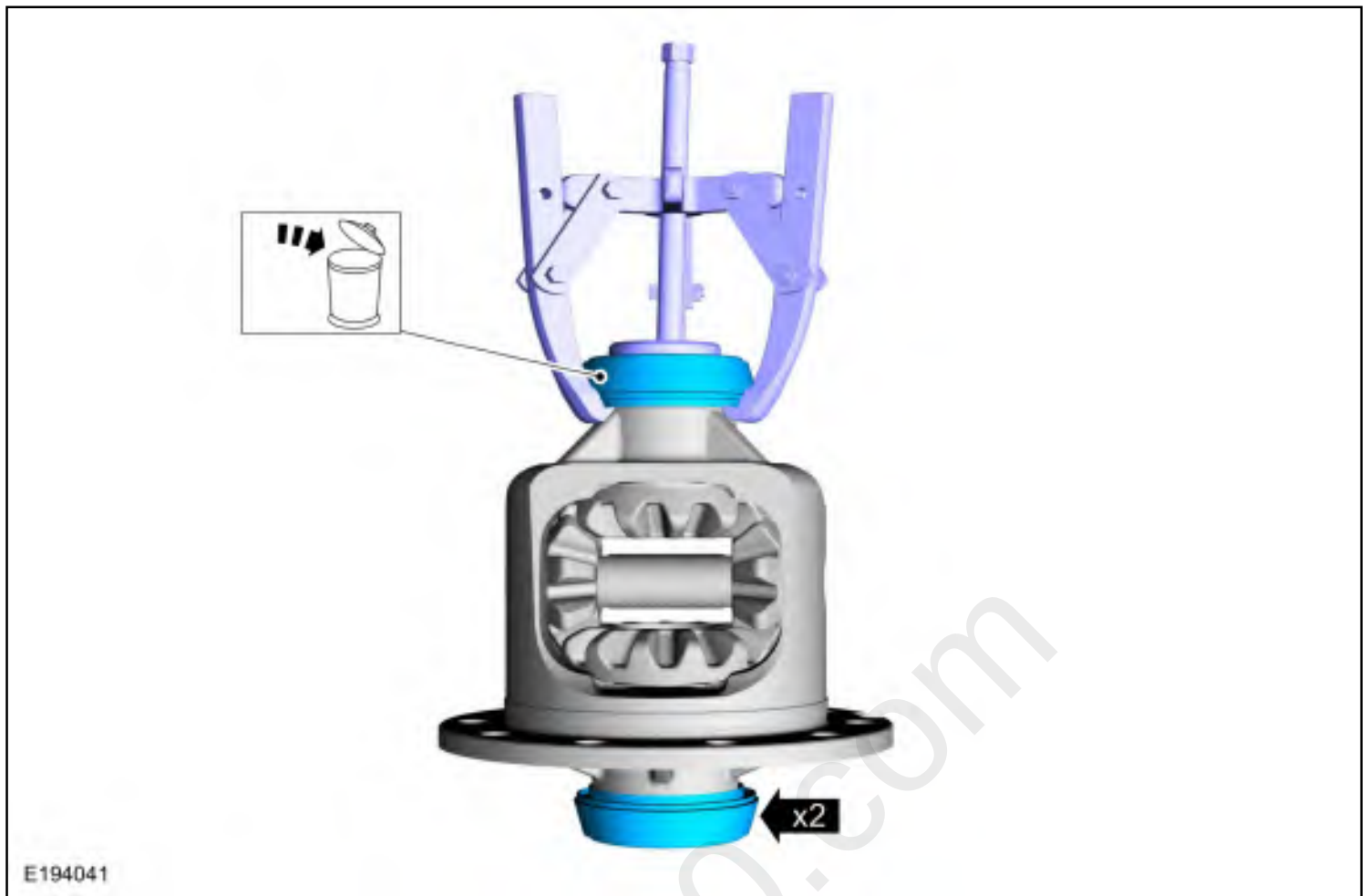
9. Remove the differential carrier, differential bearing cups, and differential bearing preload shims.



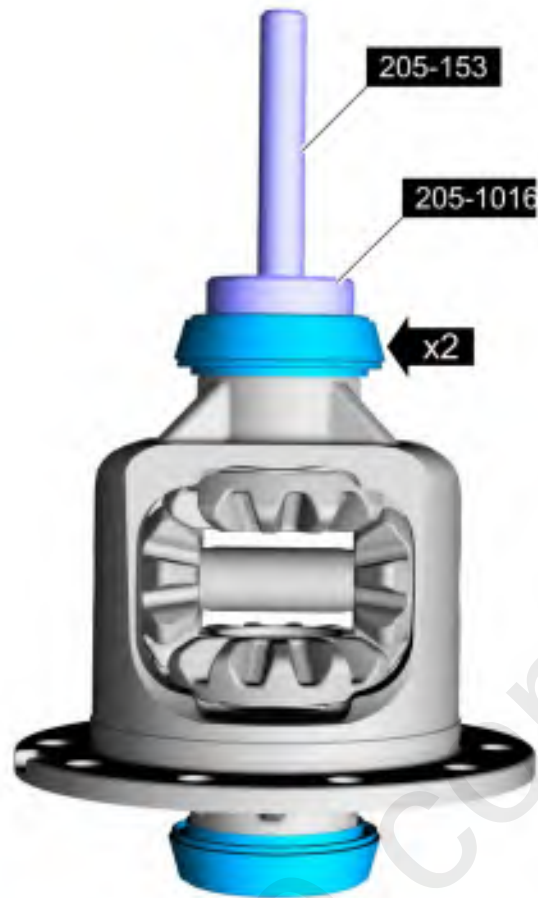
E194038

10. **NOTE:** *If necessary.*

Using the special tool and the general equipment, remove and discard the differential bearings.
Use Special Service Tool: 205-D061 (D83T-4205-C2) Step Plate.
Use the General Equipment: Three Leg Puller



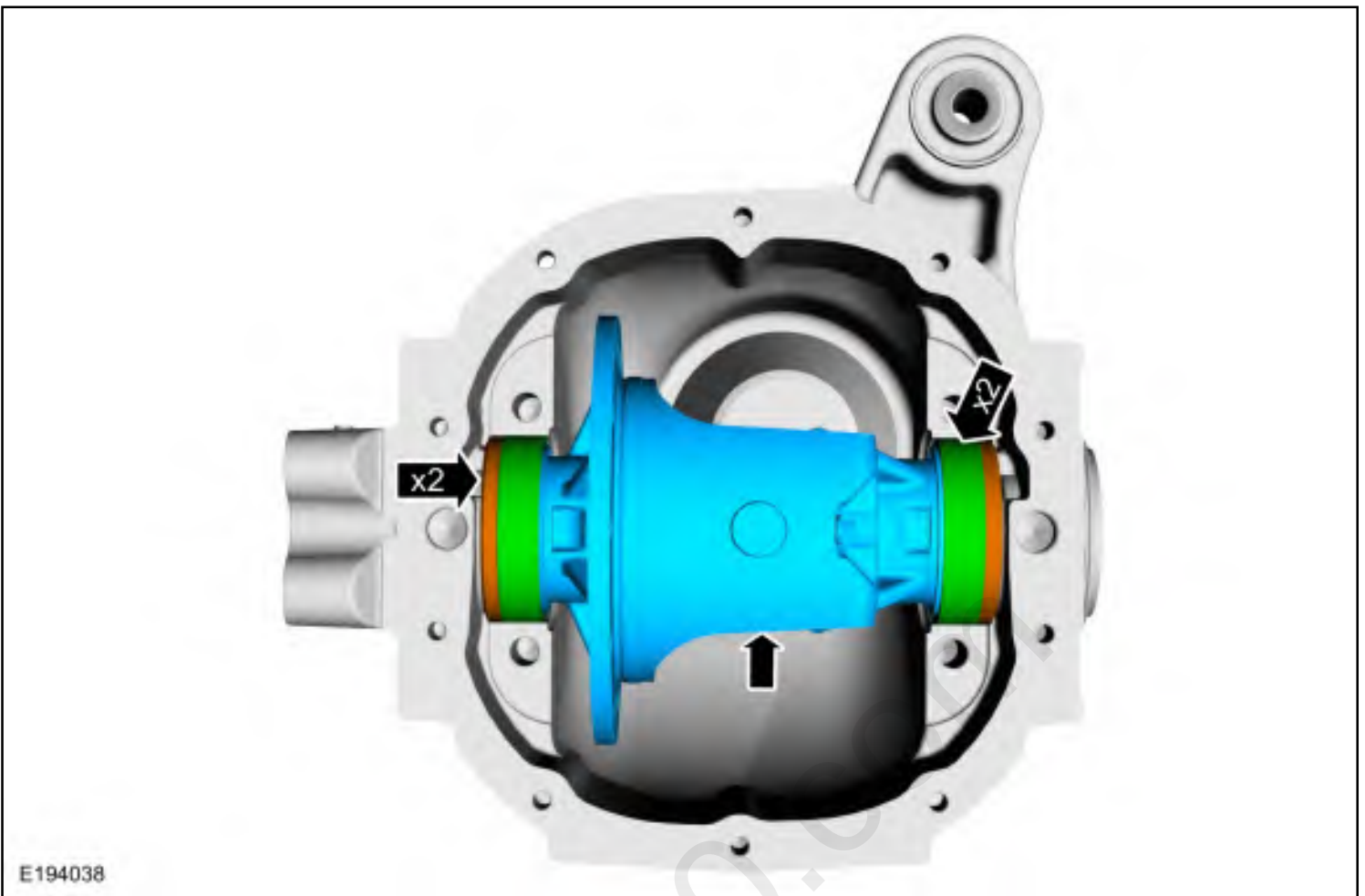
11. Using the special tools, install the new differential bearings.
Use Special Service Tool: 205-153 (T80T-4000-W) Handle. , 205-1016 Installer, Differential Bearing.



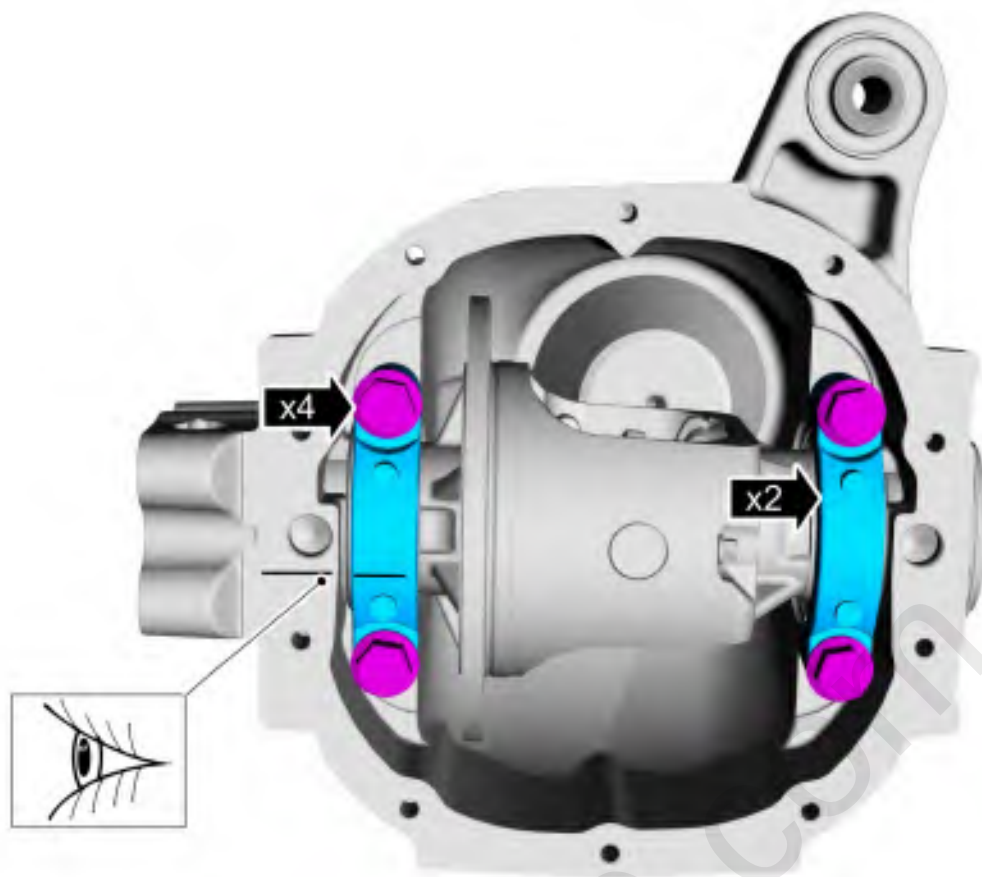
E194042



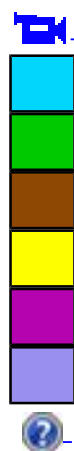
12. Install the Differential carrier, differential carrier bearing cups and differential bearing preload shims.



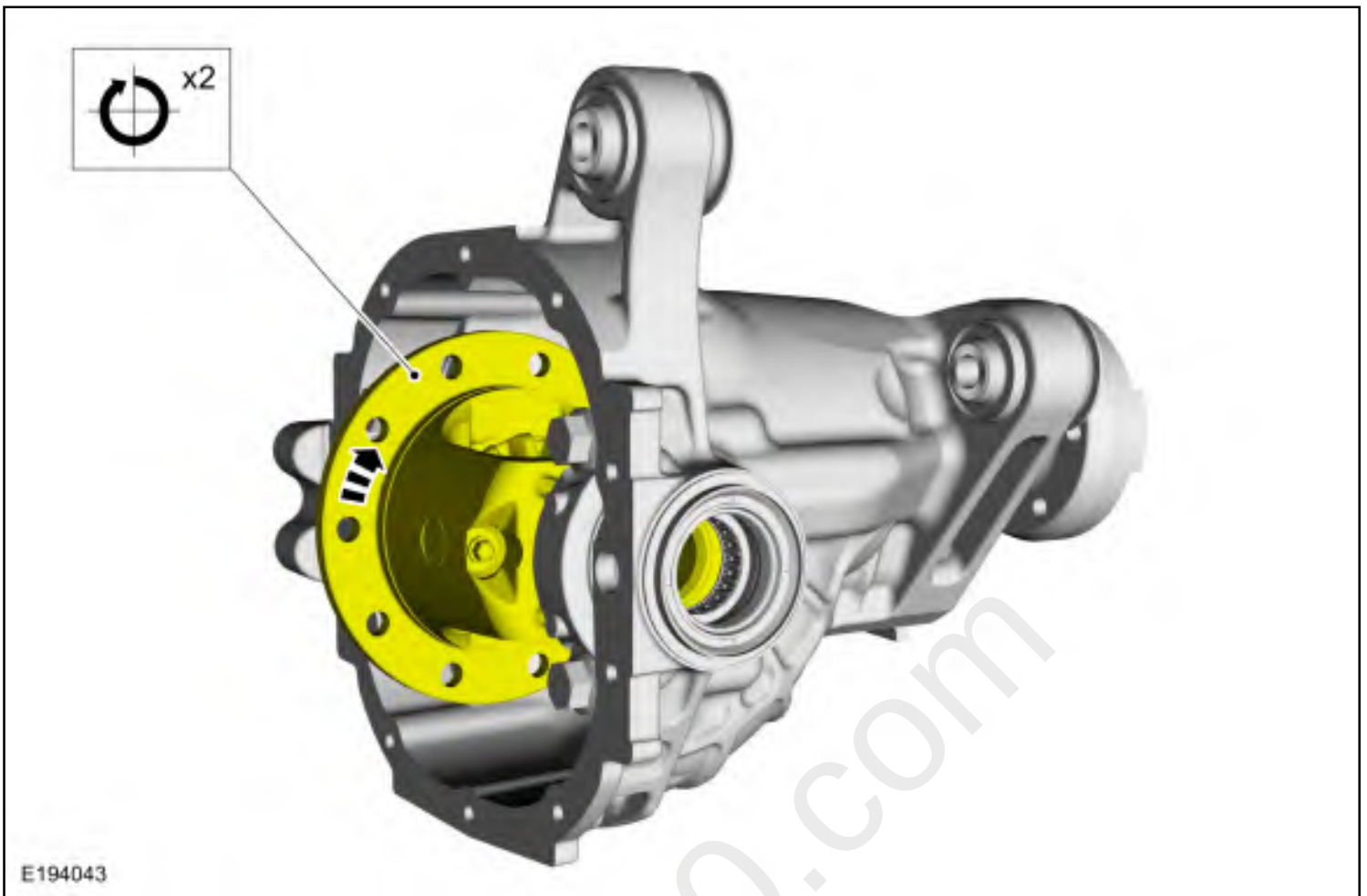
13. Install the differential bearing caps and bolts. Align the differential bearing caps in there original location.



E194039

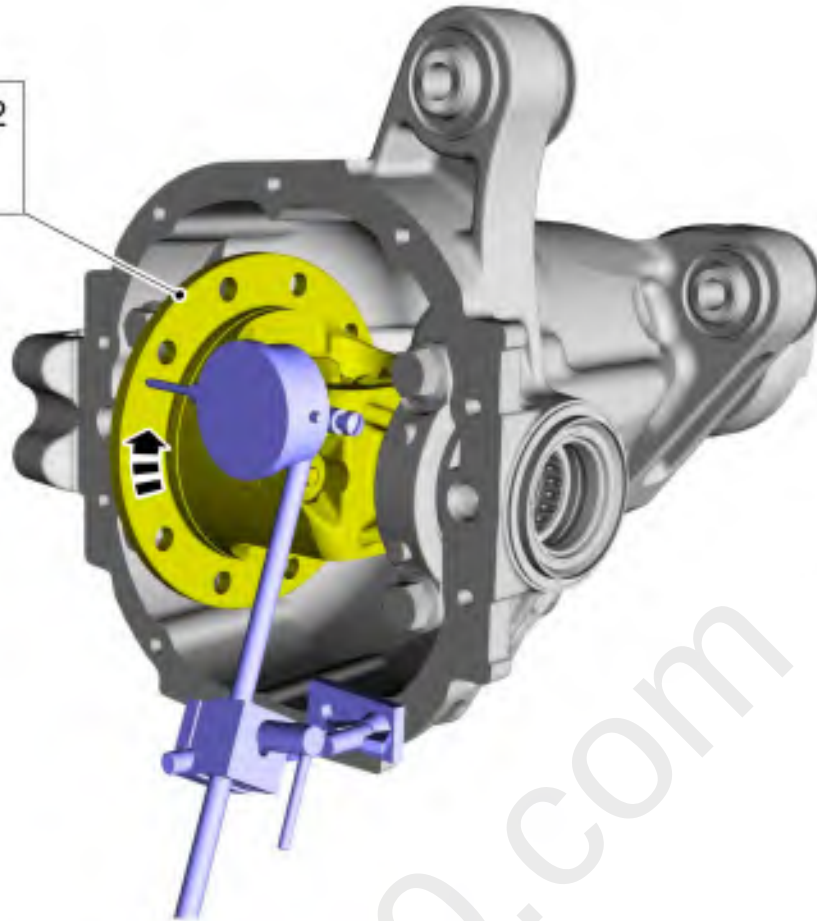
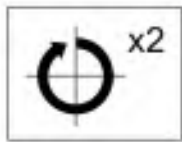


14. Rotate the differential carrier to make sure the bearings have seated correctly.



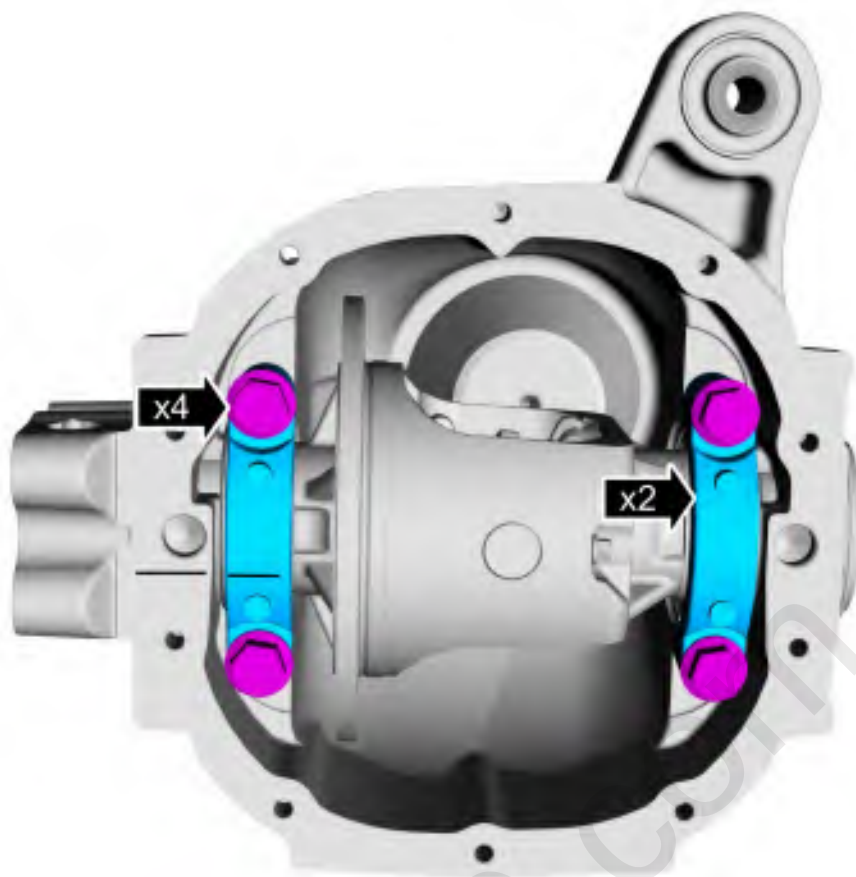
15. **NOTE:** *If the runout is still excessive, install a new differential case.*

Using the dial indicator, rotate the differential carrier and measure the differential carrier runout.
Use the General Equipment: Dial Indicator

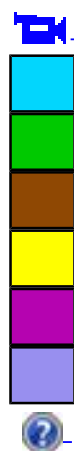


E194040

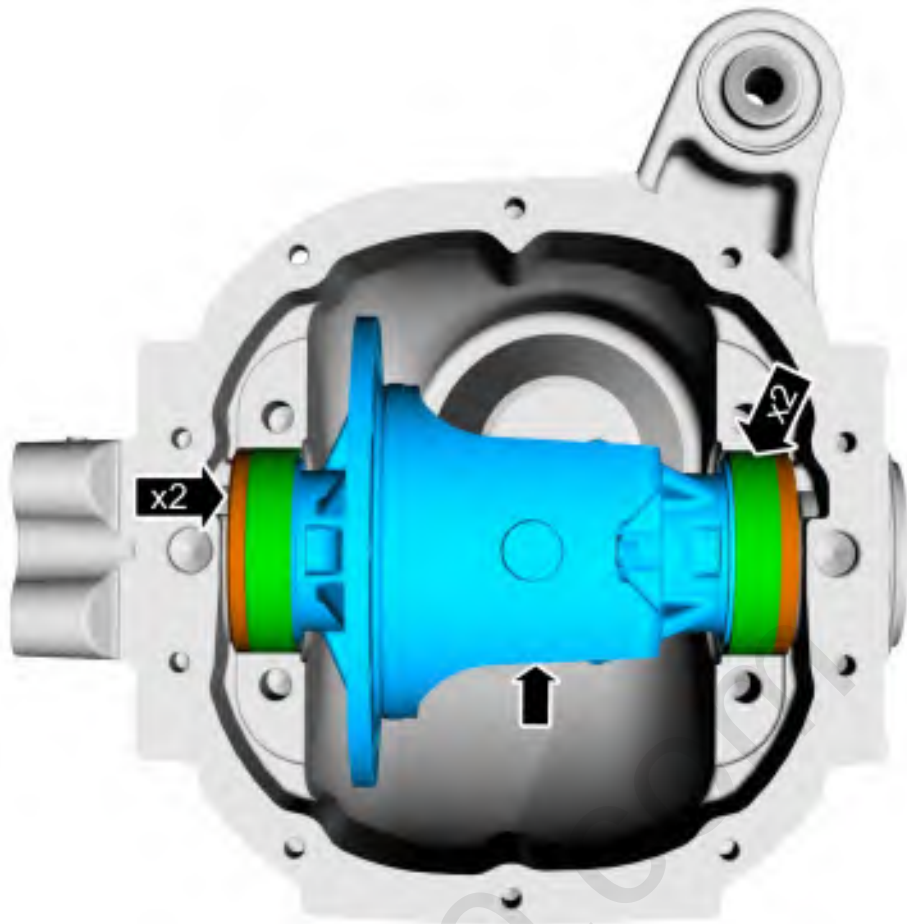
16. Remove the bolts and the differential bearing caps.



E194049



17. Remove the differential carrier, differential bearing cups, and differential bearing preload shims.

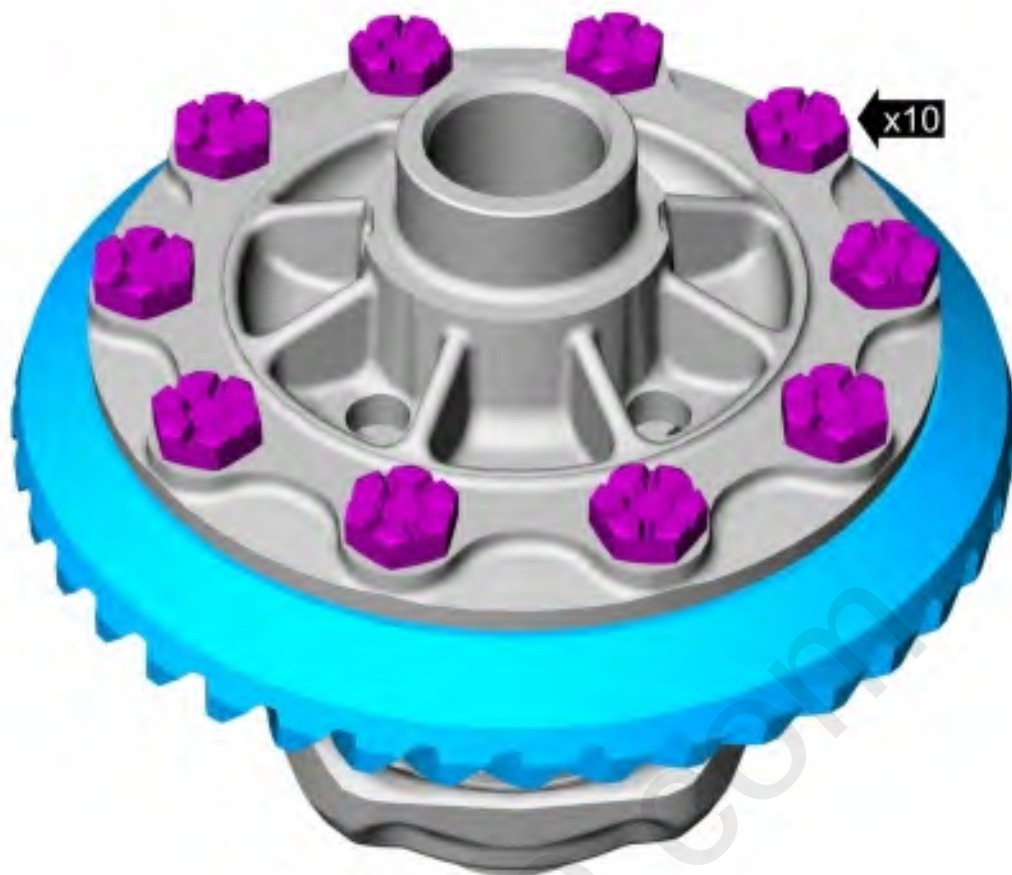


E194038

18. **NOTE:** *Tighten the ring gear bolts in a cross pattern.*

Install the ring gear and the new ring gear bolts.

Torque: 94 lb.ft (128 Nm)



E188173

19. Install the differential carrier.

Refer to: [Differential Carrier](#) (205-03 Front Drive Axle/Differential, Removal and Installation).