

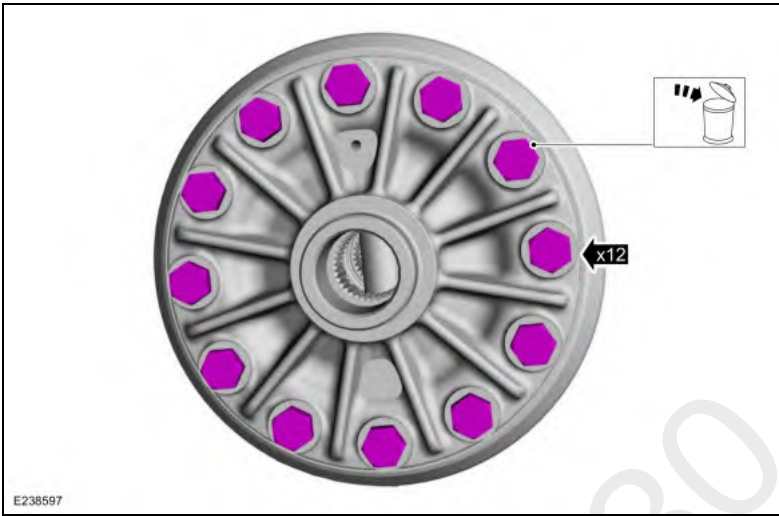
Differential Case Runout Check

Special Tool(s) / General Equipment

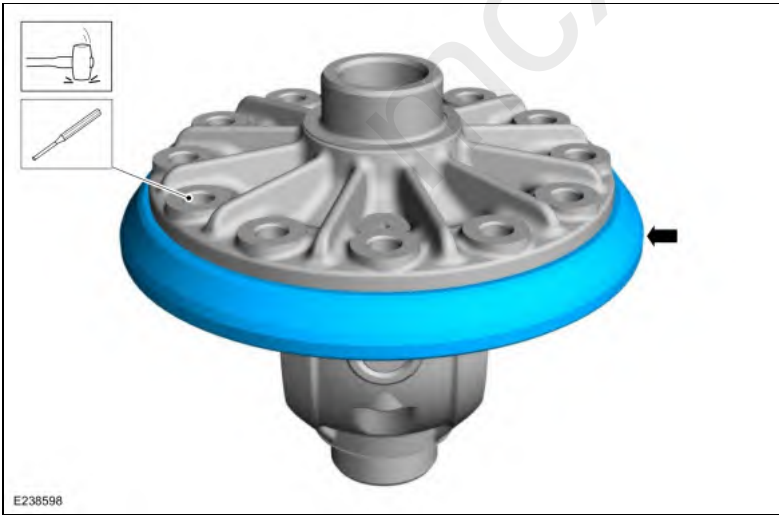
Dial Indicator
Hydraulic Press
Punch
Copper Hammer

Check

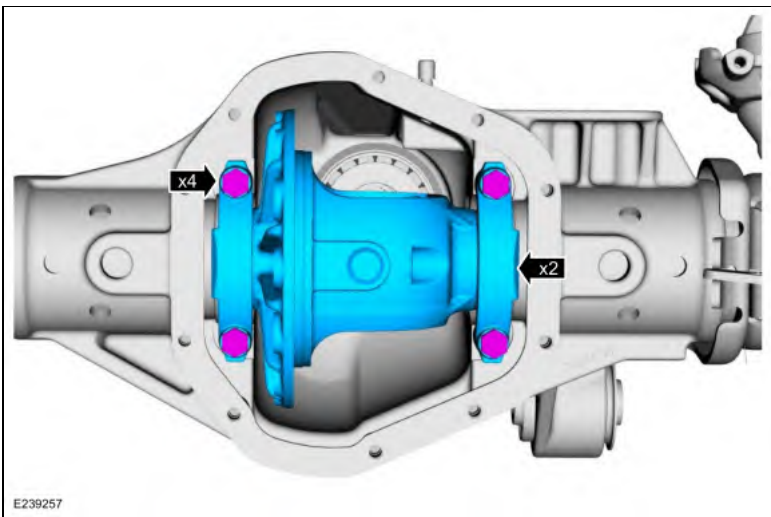
- 1. Remove the differential.
Refer to: Differential Carrier (205-03 Front Drive Axle/Differential, Removal and Installation).
- 2. Remove and discard the ring gear bolts.



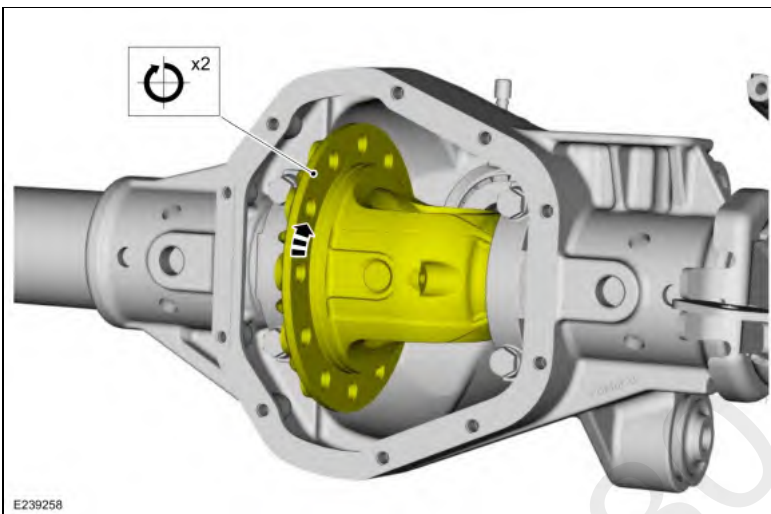
- 3. Using the brass punch and a soft face hammer, remove the ring gear.
Use the General Equipment: Punch
Use the General Equipment: Copper Hammer



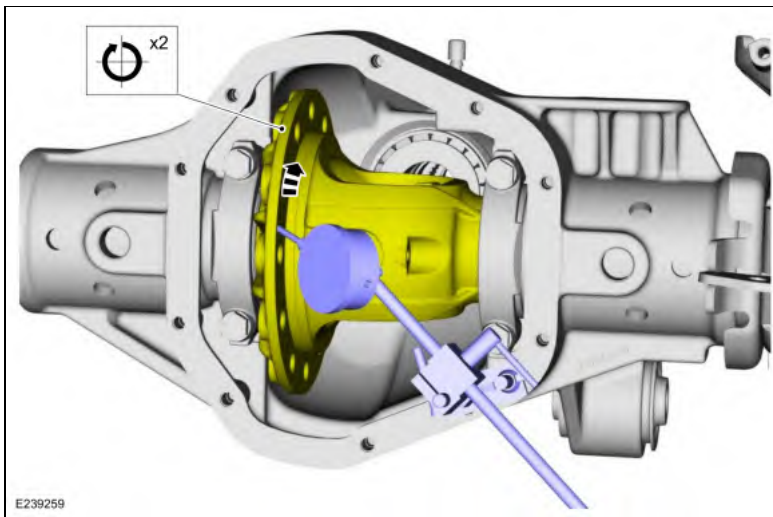
- 4. Install the differential bearing caps and bolts. Align the differential bearing caps in there original location.
Torque: 80 lb.ft (108 Nm)



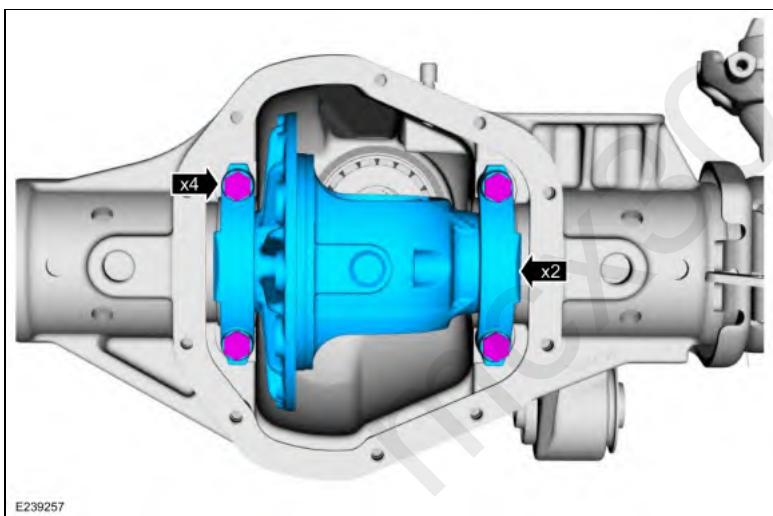
5. Rotate the differential carrier to make sure the bearings have seated correctly.



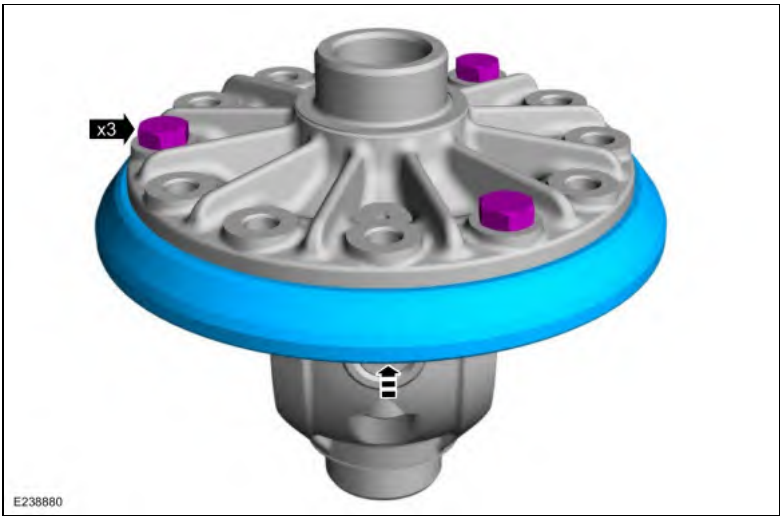
6. Using the dial indicator, rotate the differential carrier and measure the differential carrier runout.
- If the runout does not exceed the specification, install a new ring gear and pinion.
Use the General Equipment: Dial Indicator
 - If runout exceeds the specification, the ring gear is true and 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.



7. Remove the differential bearing caps, bolts and the differential carrier.



8. Install the ring gear onto the differential carrier. Align the ring gear using 3 new bolts. Using the general equipment: press the ring gear into place.
Use the General Equipment: Hydraulic Press



9. Install the remaining new ring gear bolts.
Torque: 159 lb.ft (215 Nm)



10. Install the differential carrier.
Refer to: Differential Carrier (205-03 Front Drive Axle/Differential, Removal and Installation).