

E181796

GENERAL PROCEDURES > 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	

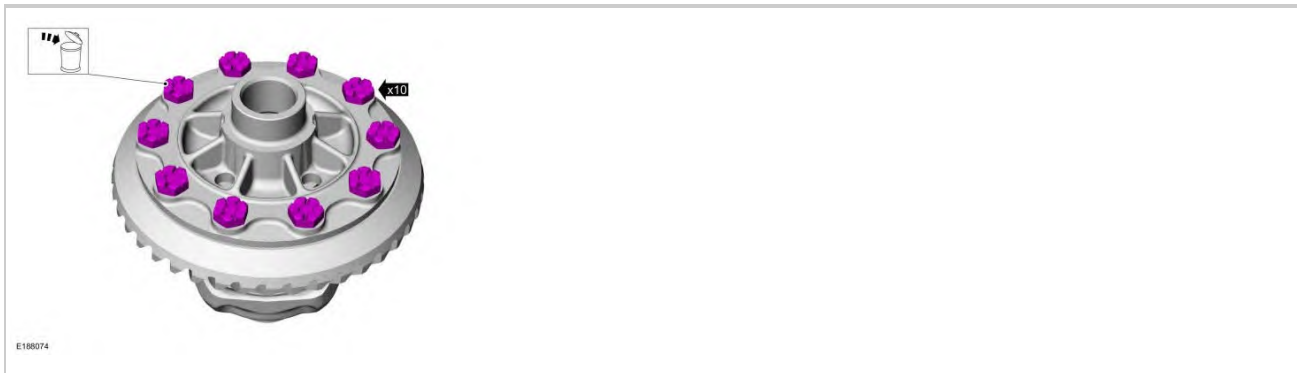
Check

1.

Remove the differential. REFER to: Differential Carrier .

2.

Remove and discard the ring gear bolts.



3.

Using the brass punch and a soft face hammer, remove the ring gear.

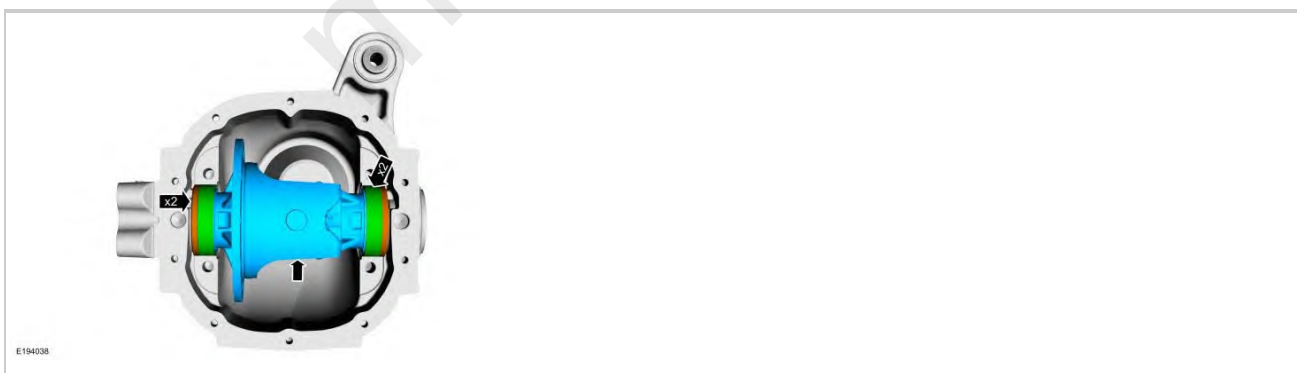
Use the General Equipment: Punch

Use the General Equipment: Copper Hammer



4.

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

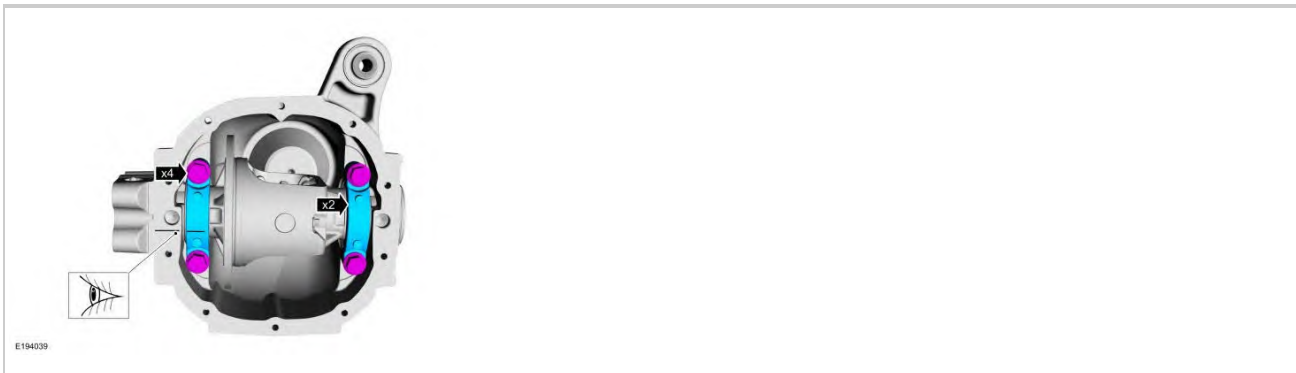


5.

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

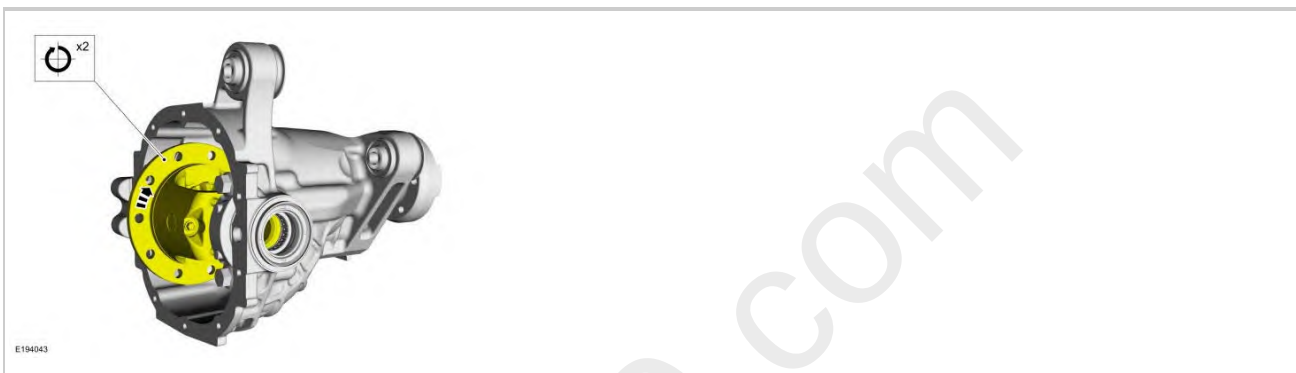
Torque

: 94 lb.ft (128 Nm)



6.

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



7.

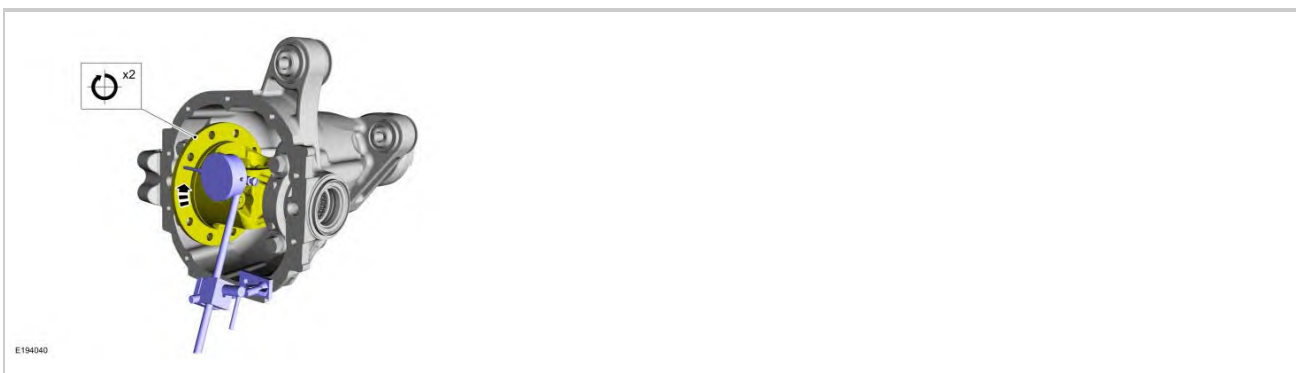
Using the dial indicator, rotate the differential carrier and measure the differential carrier runout.

If the runout does not exceed the specification, install a new ring gear and pinion.

Use the General Equipment: Dial Indicator

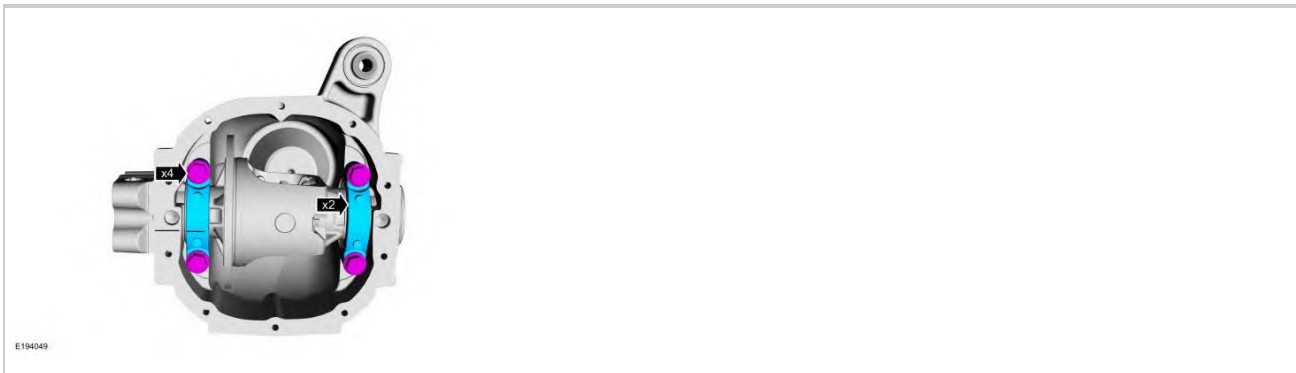
If runout exceeds the specification, the ring gear is true and the condition is due to differential carrier/differential bearing damage.

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.



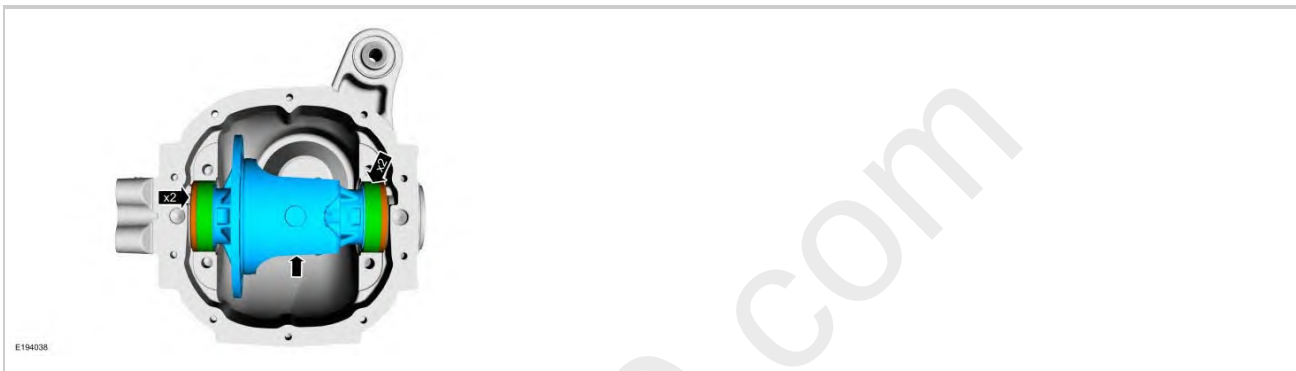
8.

Remove the differential bearing caps and bolts.



9.

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



10.

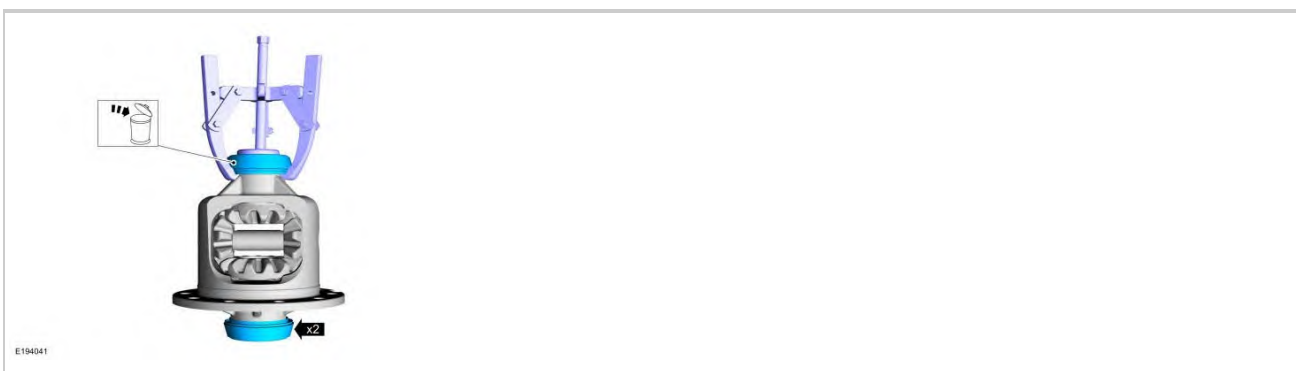


NOTE: If necessary.

Using the special tool and a 3 Jaw Puller, 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.



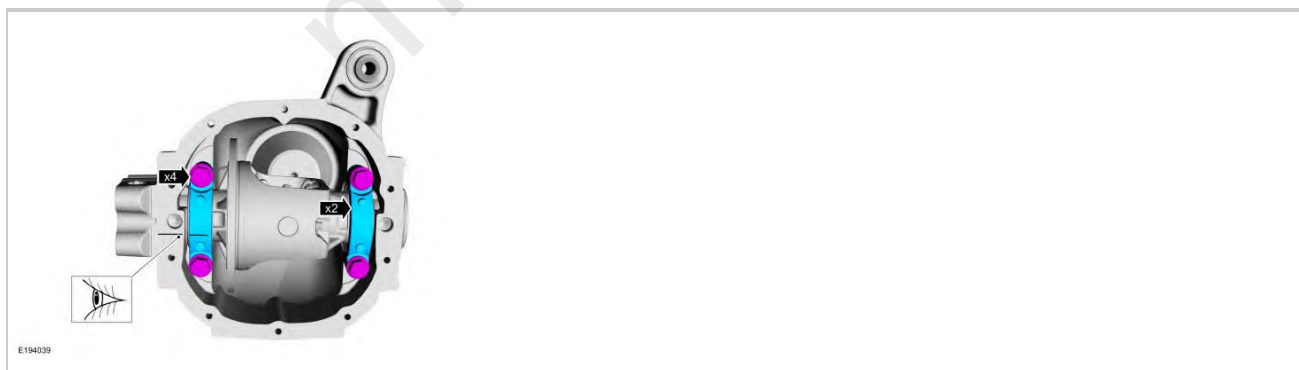
12.

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



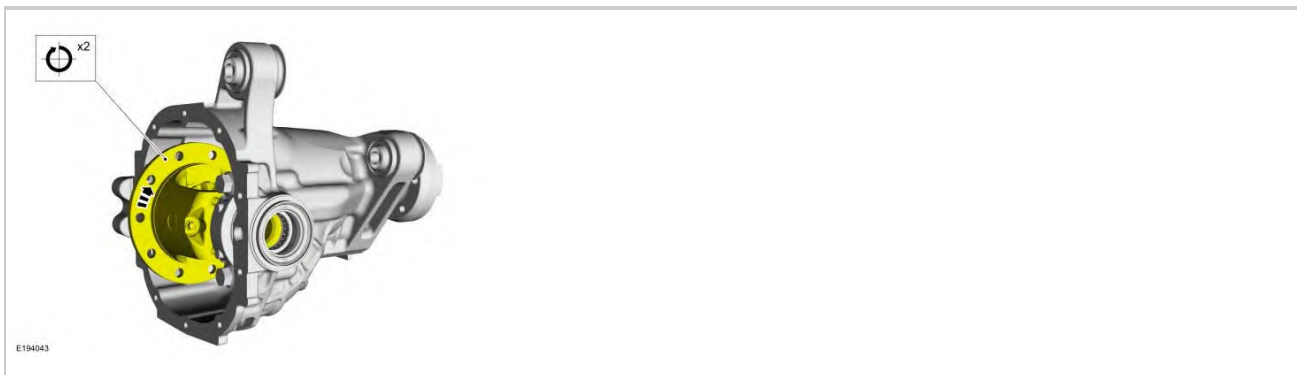
13.

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



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.

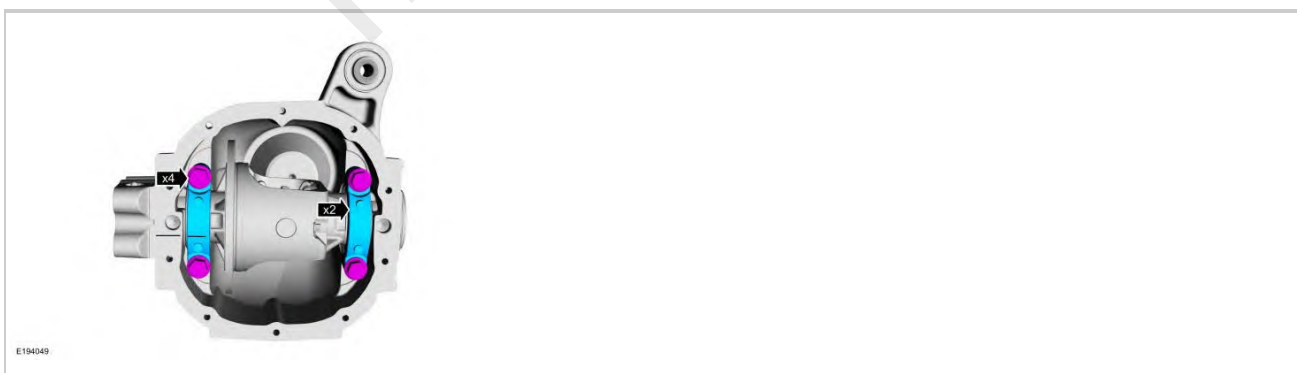
Using the dial indicator, rotate the differential carrier and measure the differential carrier runout.

Use the General Equipment: Dial Indicator



16.

Remove the differential bearing caps and bolts.



17.

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