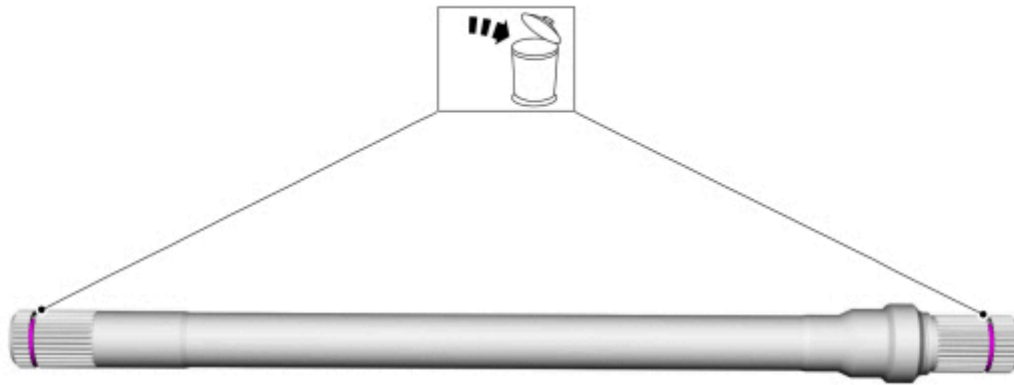


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2007 FORD Expedition OEM Service and Repair Workshop Manual

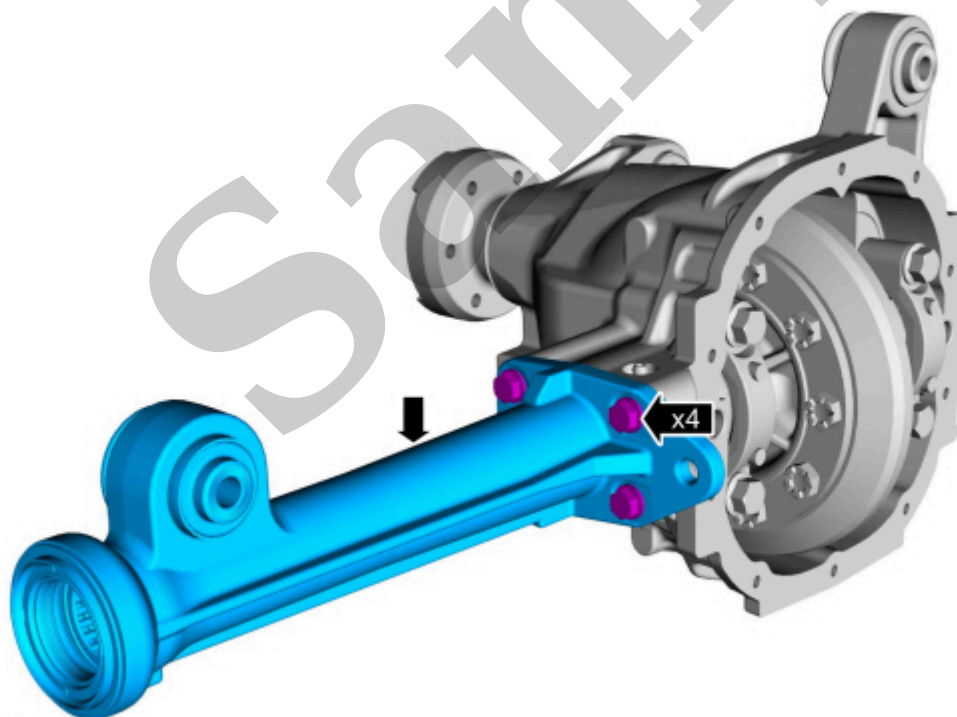
[Go to manual page](#)



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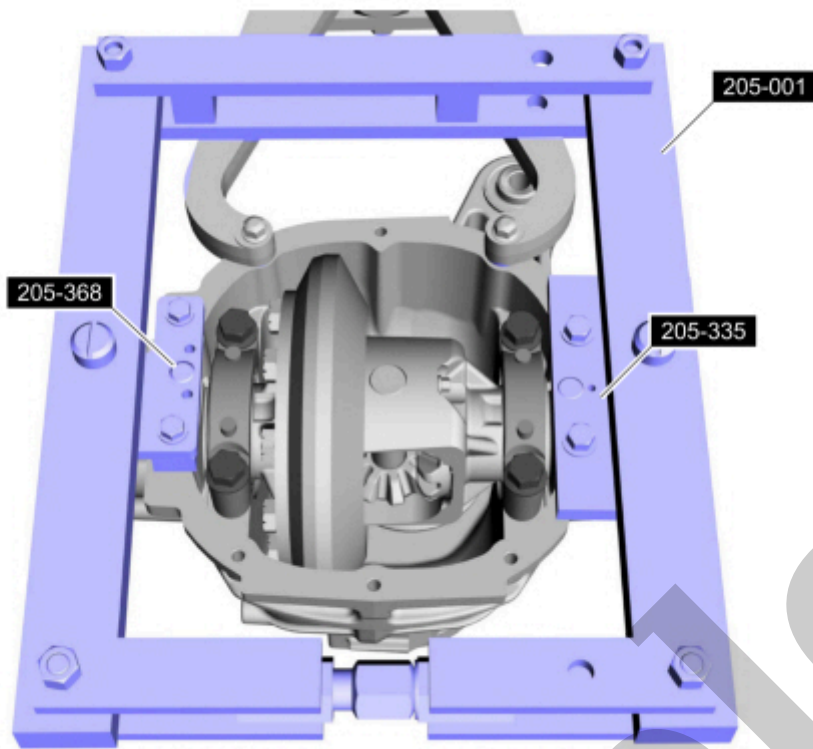
[Click here to learn about symbols, color coding, and icons used in this manual.](#)

5. Remove the axle tube bolts and the axle tube.



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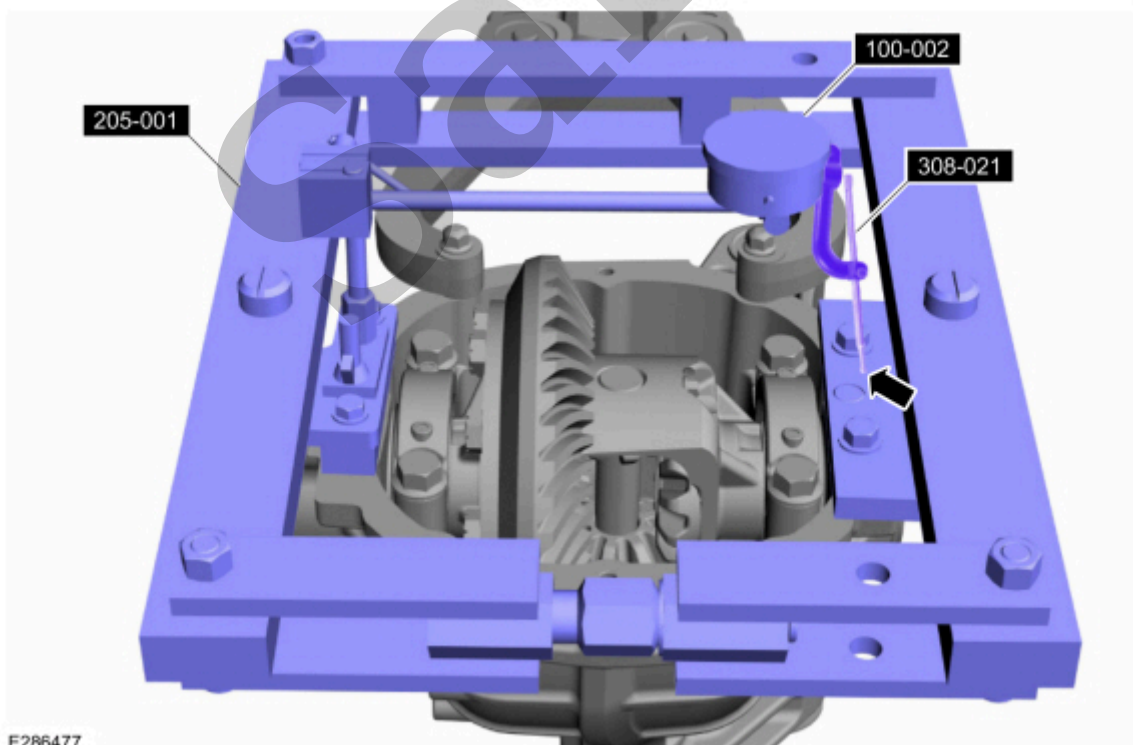


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8. Install the Dial Indicator Gauge with Holding Fixture and Clutch Housing Gauge.

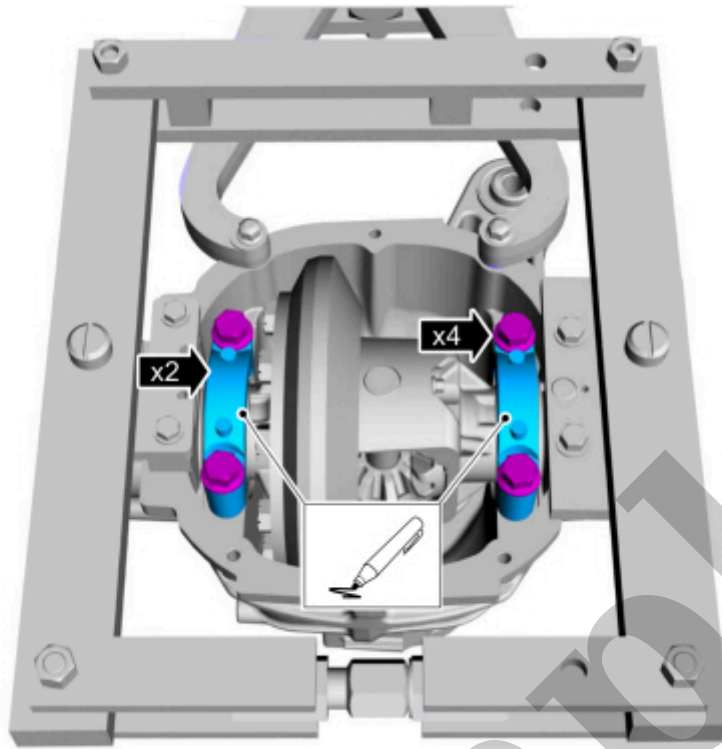
Use Special Service Tool : 100-002 (TOOL-4201-C) Holding Fixture with Dial Indicator Gauge , 205-001 (TOOL-4000-E) Spreader, Differential Carrier , 308-021 (T75L-4201-A) Gauge, Clutch Housing



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may occur.

Remove the differential cap bolts and the differential caps.



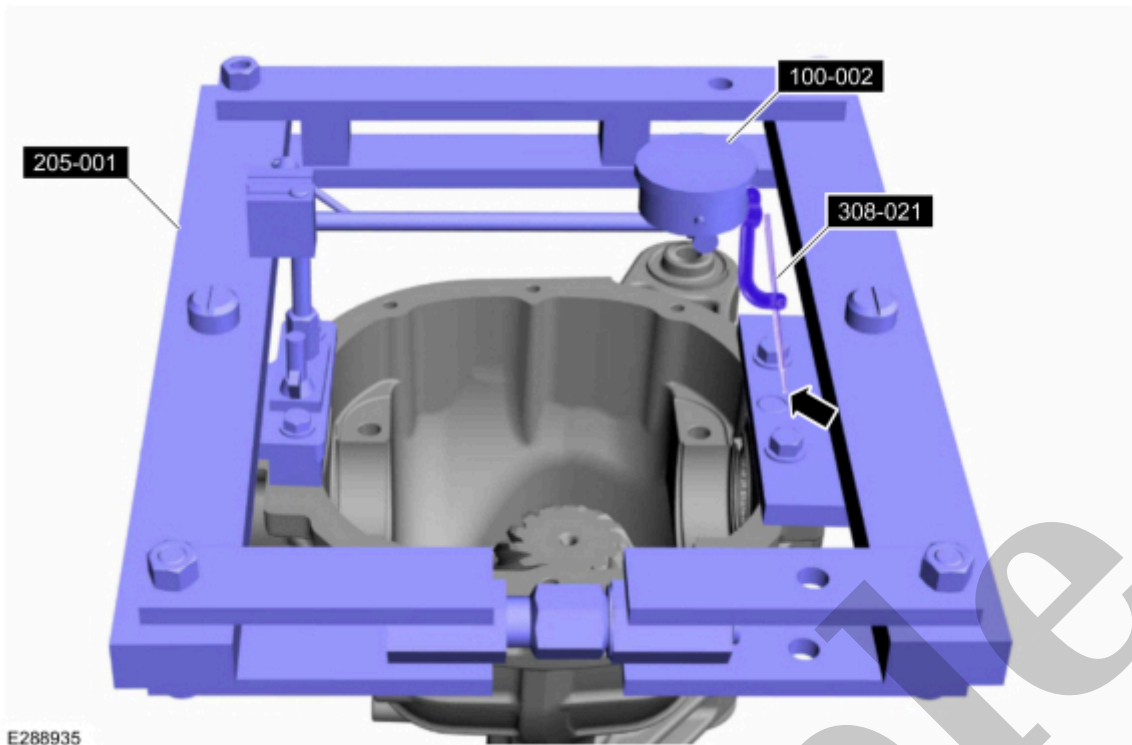
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11. **NOTE**

The differential bearing cups and shims must be installed in their original locations and positions.

1. Index-mark the position of the differential bearing cups and shims.
2. Remove the differential carrier, differential bearing cups and the differential side shims.



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2. NOTICE

Overspreading may damage the component. Do not spread the differential housing more than 0.762mm (0.030 in).

NOTE

Tighten and loosen the differential carrier spreader screw to normalize the housing spreader adapters prior to taking the final dial indicator reading.

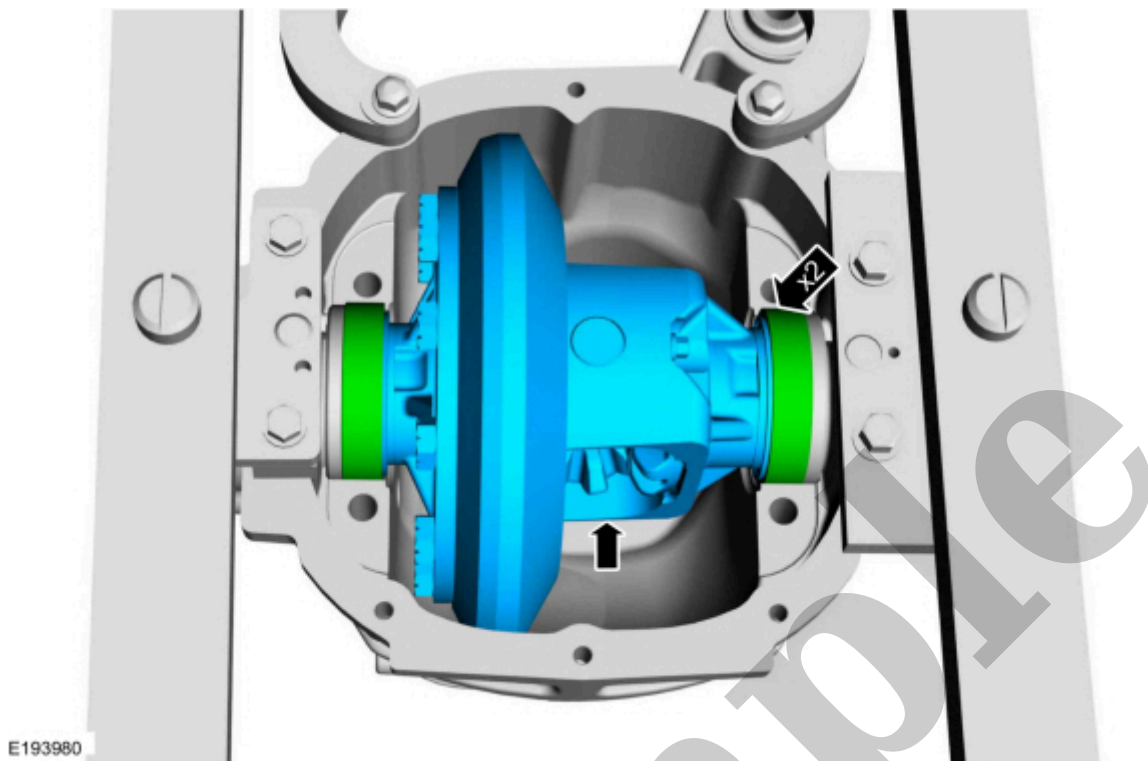
Spread the differential housing to the specification.

1. Adjust the dial indicator gauge with holding fixture and clutch housing gauge to zero.

Use Special Service Tool : 100-002 (TOOL-4201-C) Holding Fixture with Dial Indicator Gauge , 308-021 (T75L-4201-A) Gauge, Clutch Housing

2. Tighten the screw until spreading the differential housing to the specification.
3. Remove the dial indicator gauge with holding fixture and clutch housing gauge.

- Position the differential bearing cups on the differential bearings.
- Lower the differential carrier assembly in place between the differential bearing shims.



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5. NOTICE

The fixture mounting bolts must have the minimum of 12.7 mm (0.500 in) of thread engagement in the carrier or damage to the component may occur.

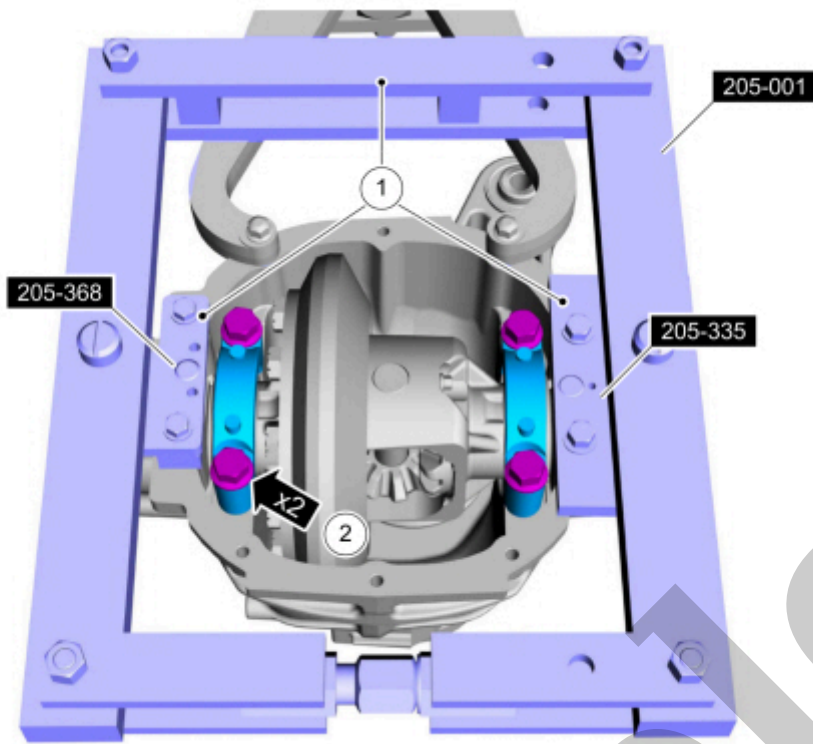
NOTE

Always install the differential bearing caps in their original positions or damage to the component may occur.

NOTE

Hand-tighten the differential bearing cap bolts prior to releasing the carrier spreader.

- With the differential housing spread to 0.762 mm (0.030 in) maximum. Install the differential caps and the differential cap bolts.

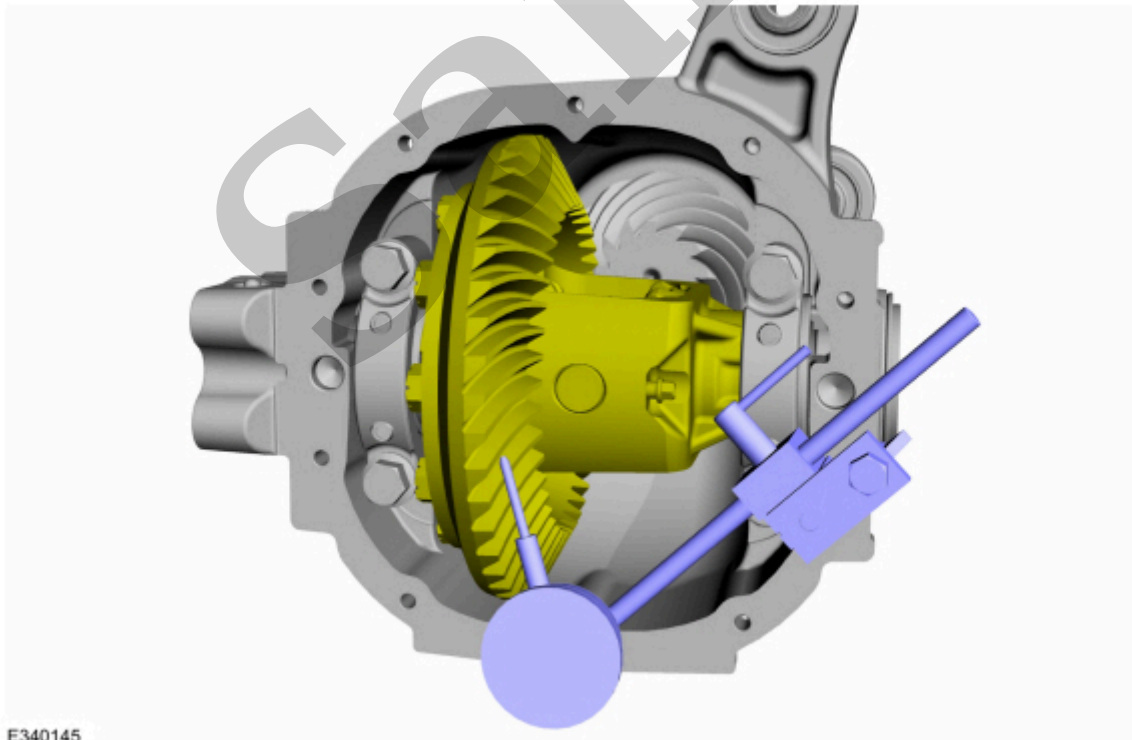


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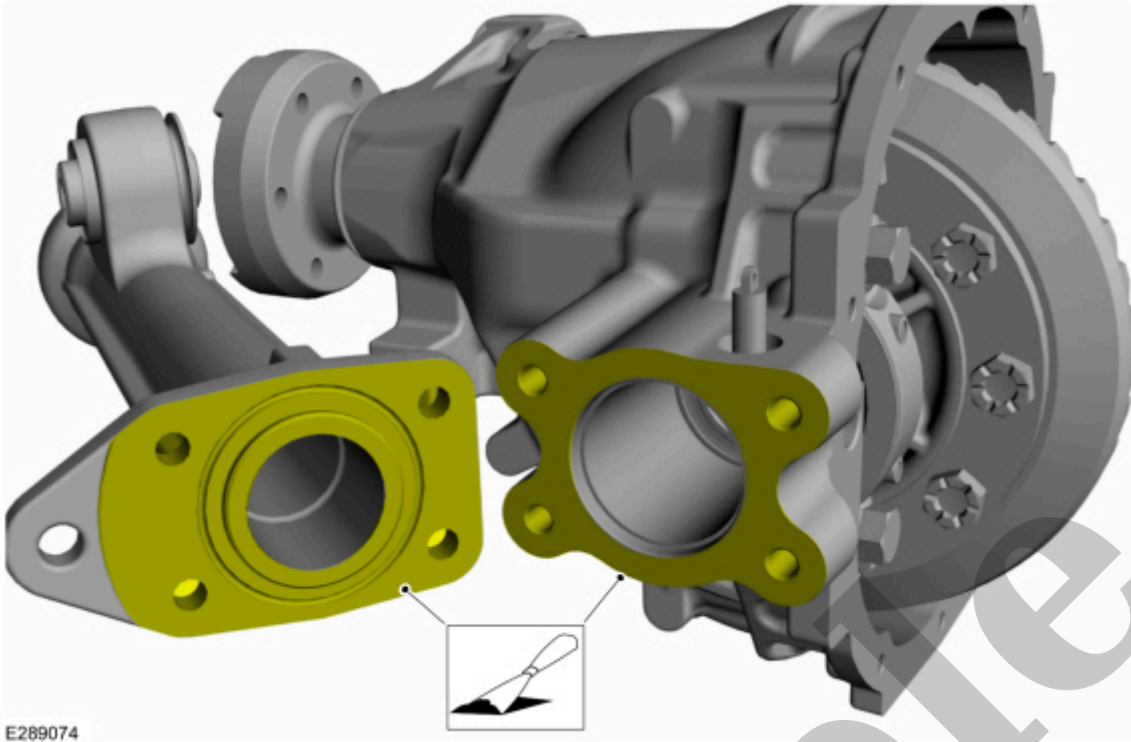
7. Using the dial indicator, measure the differential ring gear backlash at 4 equally spaced points.

Use Special Service Tool : 100-002 (TOOL-4201-C) Holding Fixture with Dial Indicator Gauge



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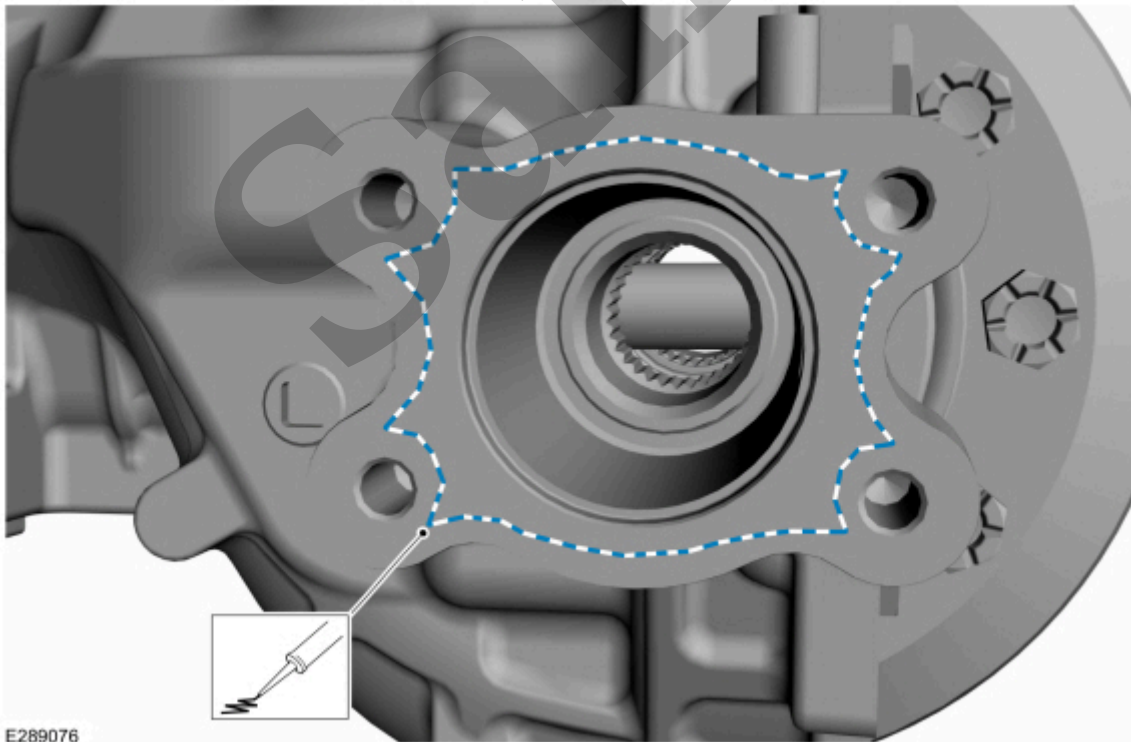


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10. Apply a new continuous bead of sealant to the differential housing as shown.

Material : Motorcraft® Ultra Silicone Sealant / TA-29 (WSS-M4G323-A8)



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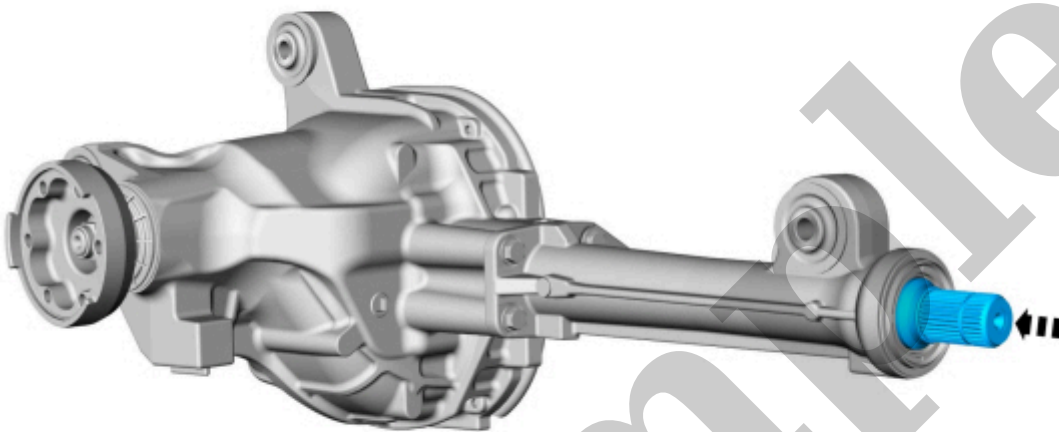
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[Click here to learn about symbols, color coding, and icons used in this manual.](#)

13. **NOTE**

The axle shaft is not fully seated until the circlip is engaged with the differential side gear.

Install the axle shaft.



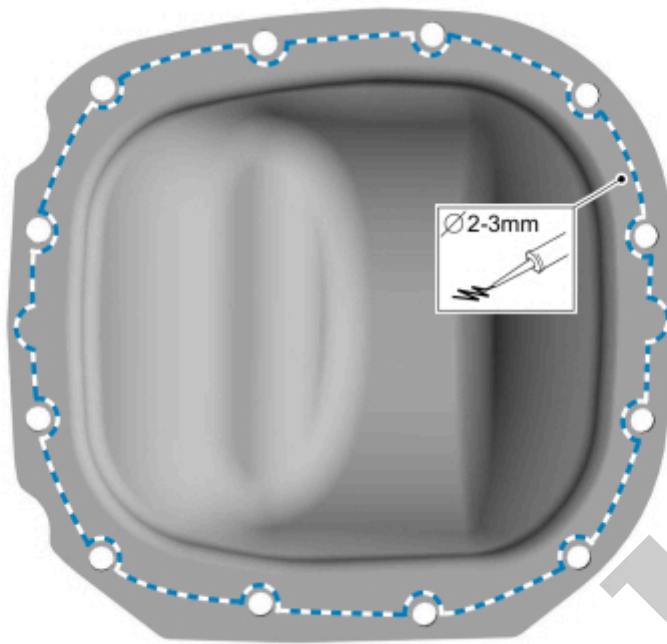
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14. **NOTE**

Remove all of the silicone gasket and make sure the surfaces are free of oil before applying the new silicone gasket.

Clean the gasket mating surface of the axle and the differential housing cover.

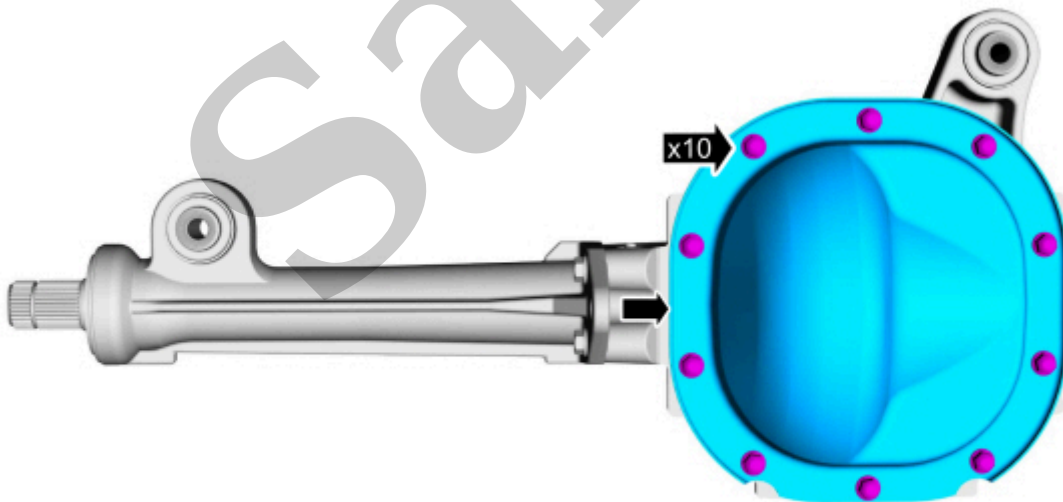


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16. Install the differential cover and differential cover bolts.

Torque : 24 lb.ft (32 Nm)



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