

SECTION 205-03: Front Drive Axle/Differential
DISASSEMBLY AND ASSEMBLY

2014 F-150 Workshop Manual
Procedure revision date: 10/25/2013

Differential Case

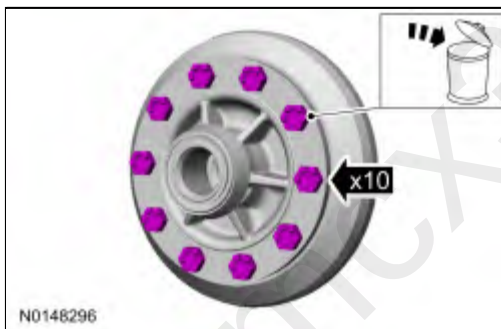
Material

Item	Specification
Motorcraft® SAE 80W-90 Premium Rear Axle Lubricant XY-80W90-QL (US); CXY-80W90-1L (Canada)	WSP-M2C197-A
Threadlock and Sealer TA-25	WSK-M2G351-A5

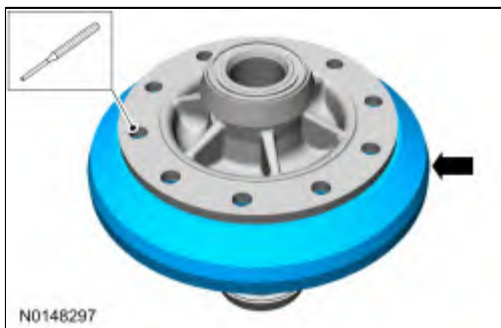
Disassembly

NOTE: The Torsen® differential should be replaced as a unit only. Do not attempt to rebuild.

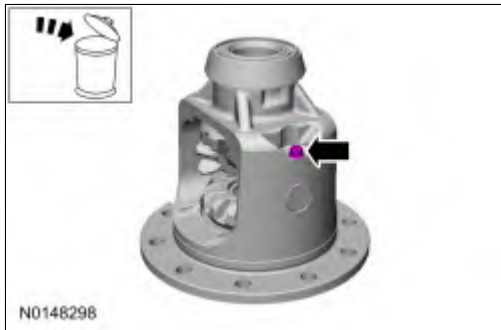
1. Remove the differential carrier. Refer to [Differential Carrier](#).
- 2.



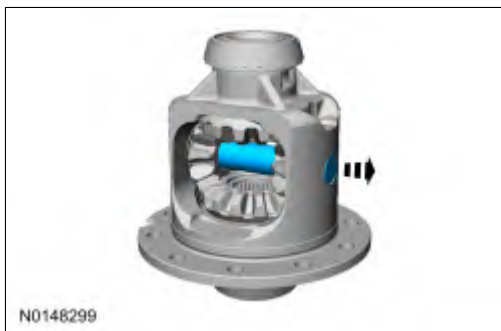
- 3.



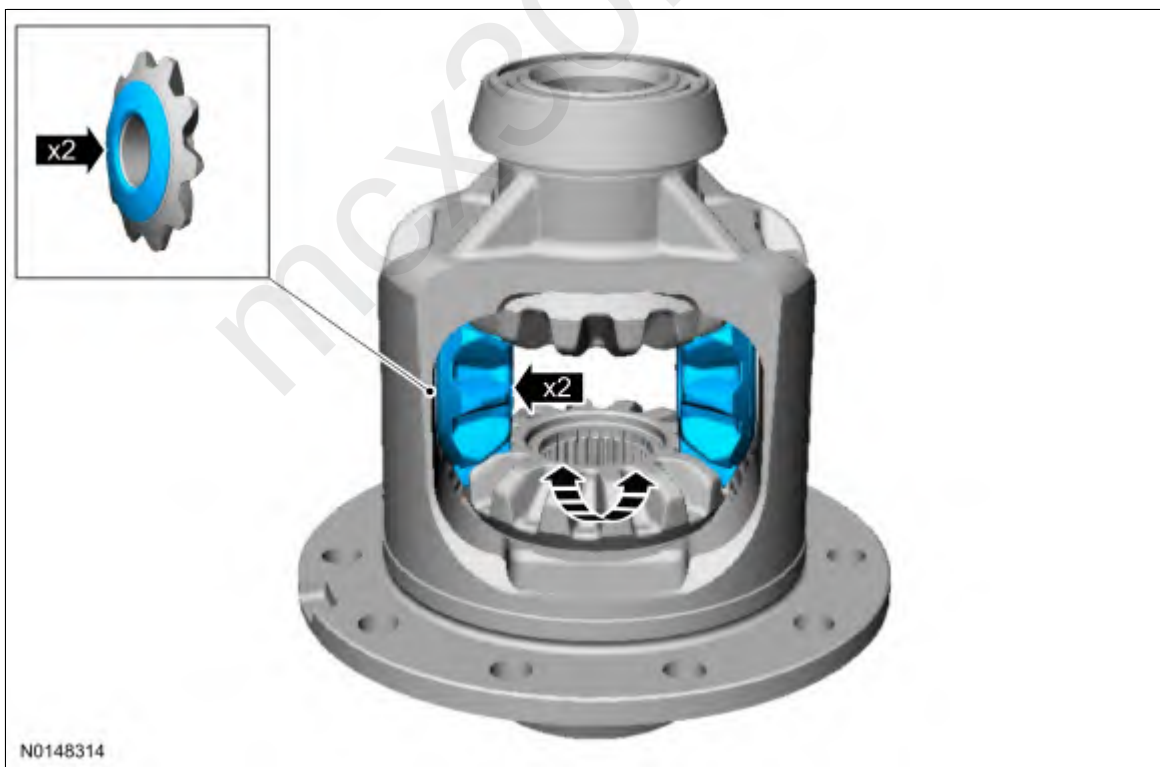
- 4.



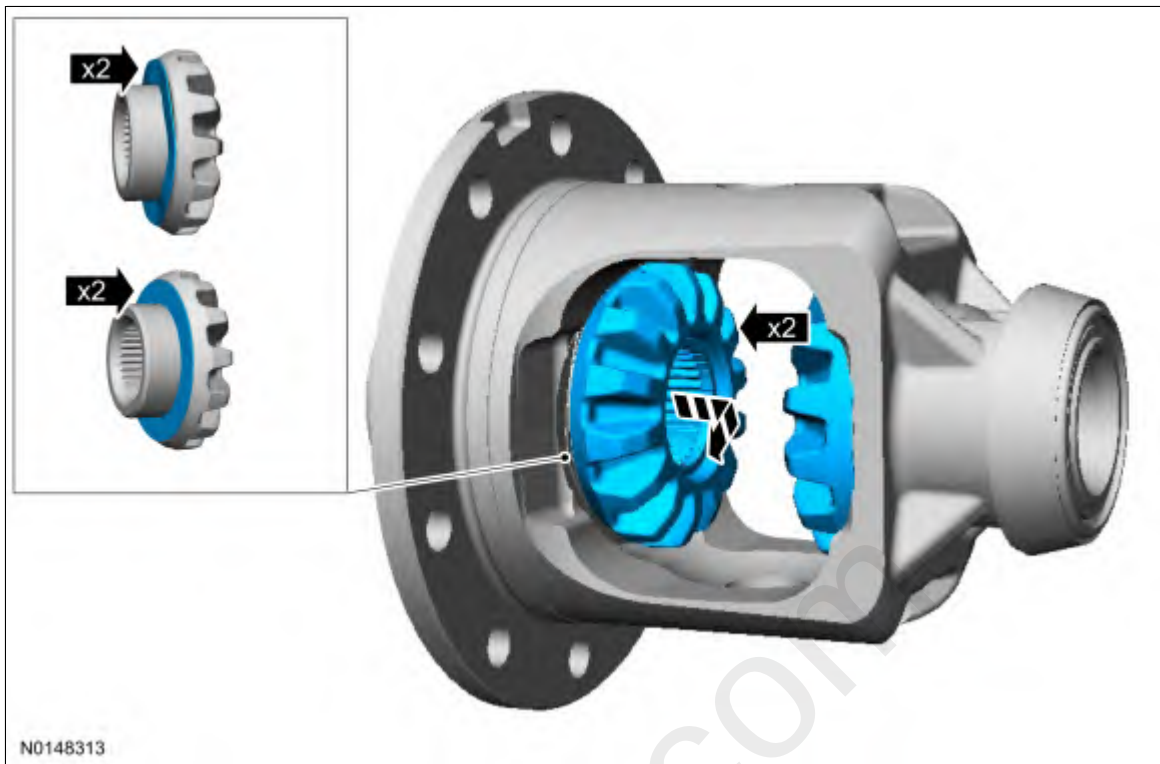
5.



6.



7.

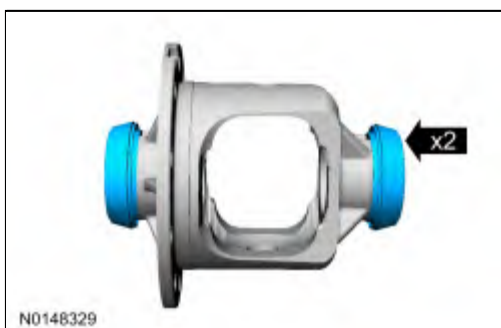


8. General Equipment: Hydraulic Press
General Equipment: Bearing Puller

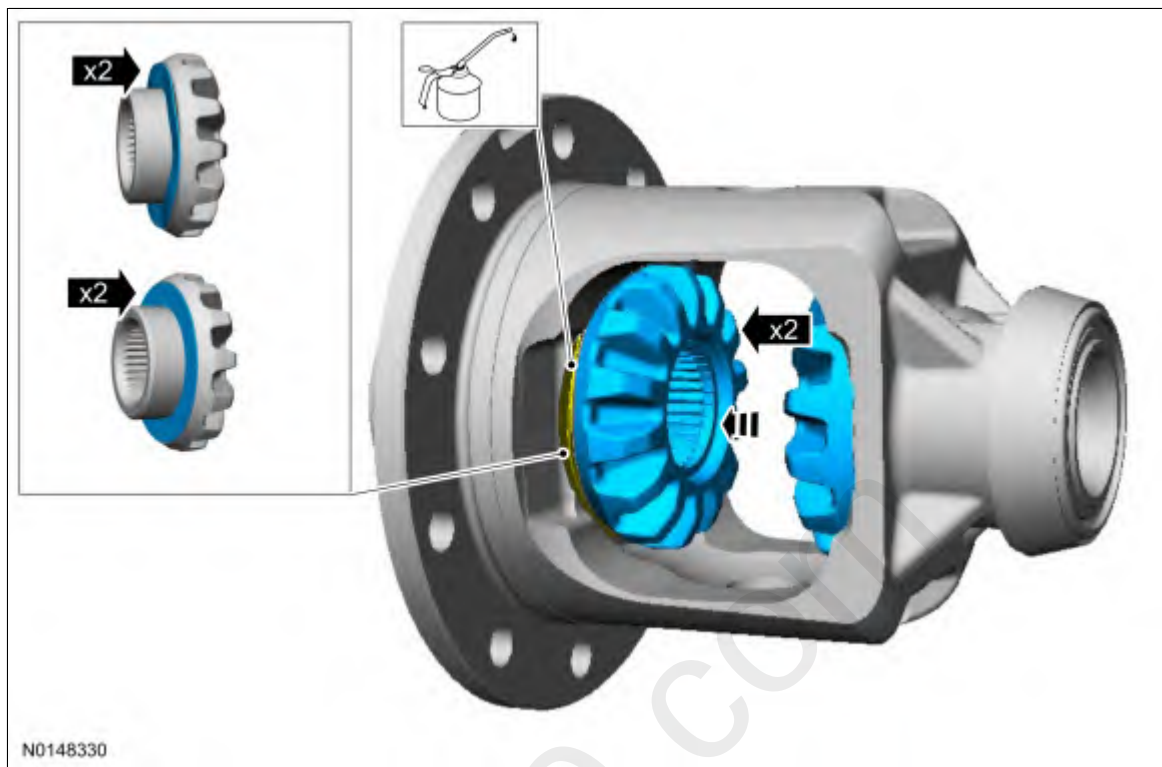


Assembly

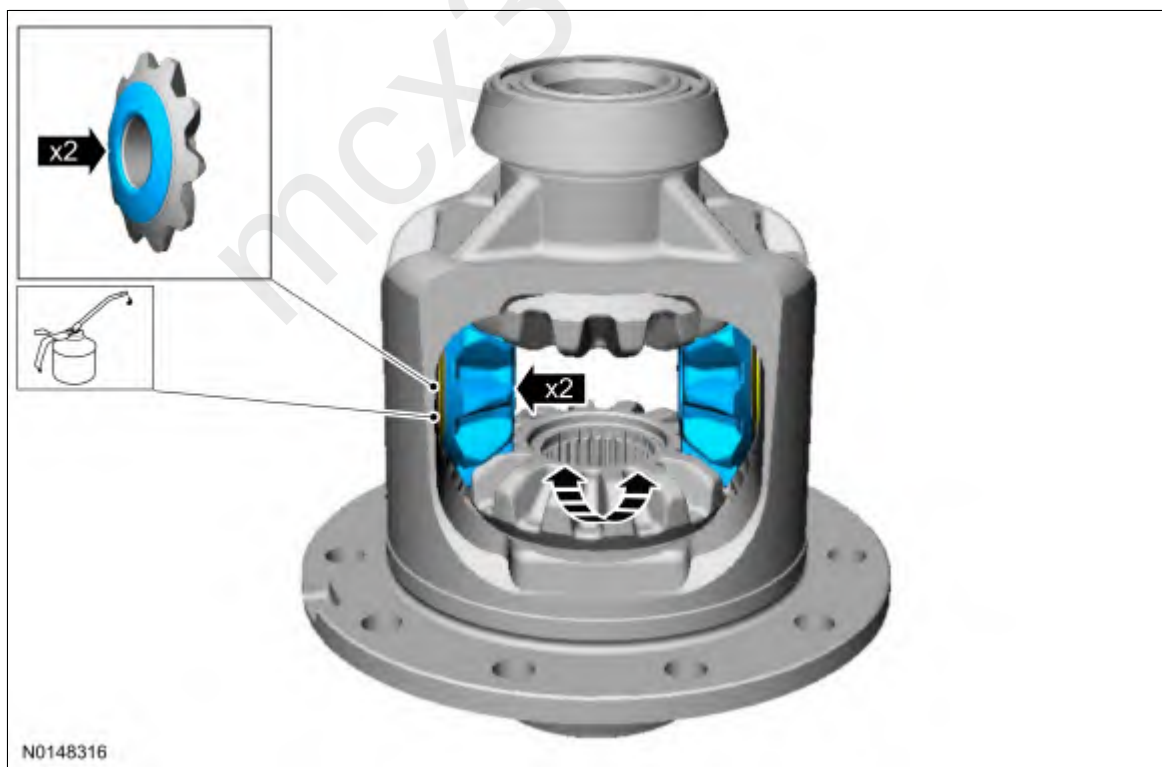
1. General Equipment: Hydraulic Press



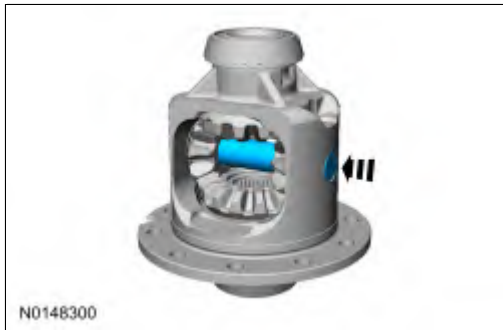
2.



3.

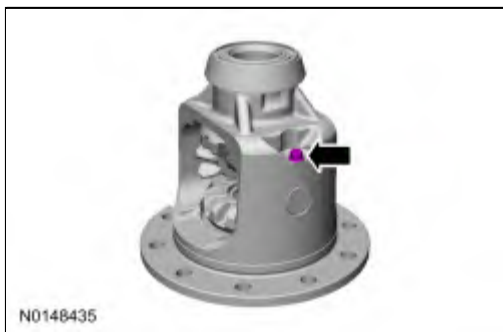


4.



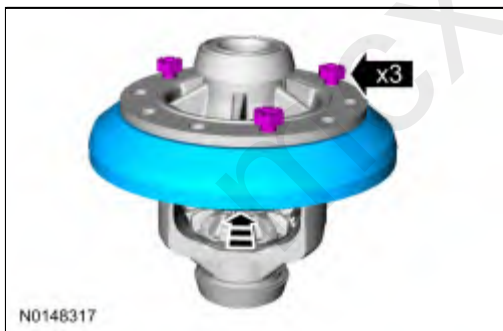
5. **NOTE:** If a new pinion shaft bolt is unavailable, coat the threads with sealer.

- Tighten to 30 Nm (22 lb-ft).

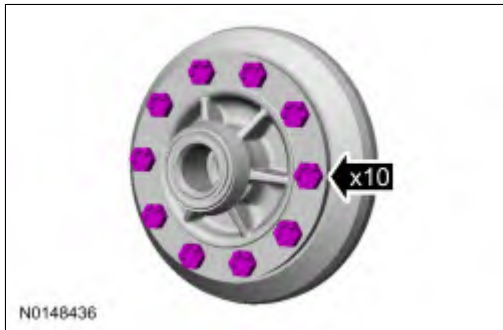


6. **NOTE:** Loosely install 3 bolts to align the ring gear and carrier bolt holes.

General Equipment: Hydraulic press



- 7.
- Tighten to 128 Nm (95 lb-ft).



8. Install the differential carrier. Refer to [Differential Carrier](#).
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