




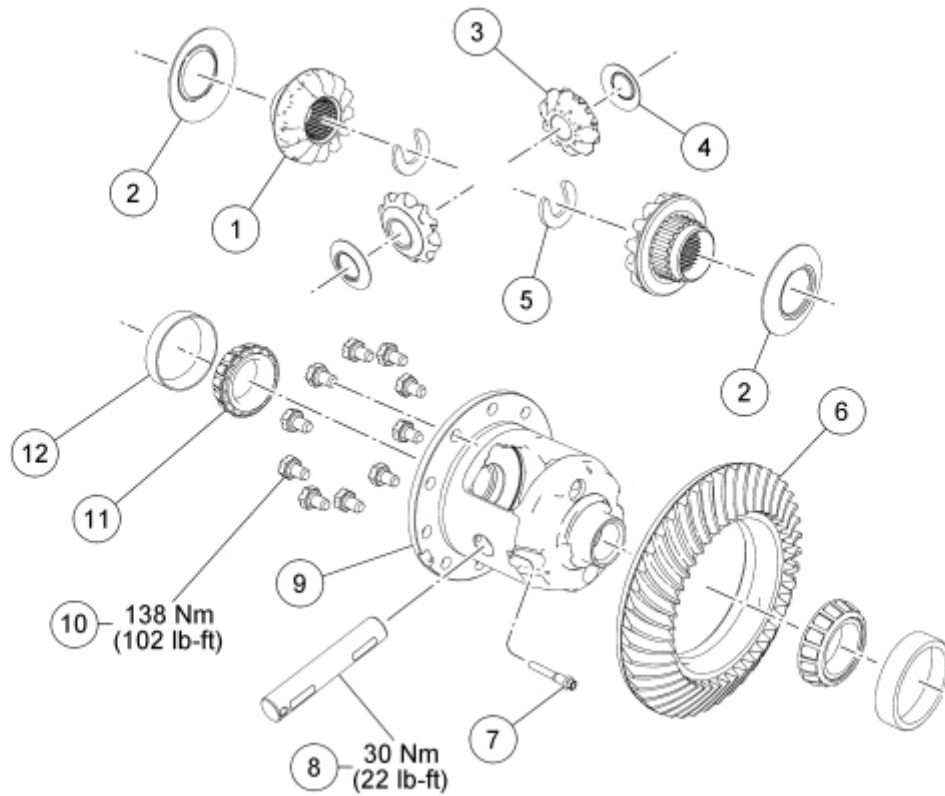
Differential Case and Ring Gear

Special Tool(s)

 <p>ST2026-A</p>	2 Jaw Puller 205-D072 (D97L-4221-A) or equivalent
 <p>ST1375-A</p>	Installer, Differential Side Bearing 205-009 (T57L-4221-A1)
 <p>ST1543-A</p>	Step Plate 205-D016 (D80L-630-5) or equivalent

Material

Item	Specification
Motorcraft® SAE 75W-140 Synthetic Rear Axle Lubricant XY-75W140-QL (US); CXY- 75W140-1L (Canada)	WSL-M2C192-A and GL-5
Threadlock and Sealer TA-25	WSK-M2G351-A5

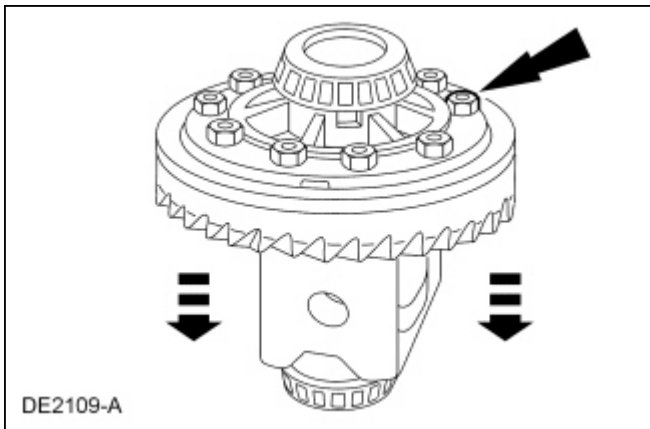


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Item	Part Number	Description
1	4236	Differential side gear
2	4228	Differential side gear thrust washers
3	4215	Differential pinion gear
4	4230	Differential pinion thrust washer
5	4N237	Axle shaft U-washer (2 required)
6	4209	Differential ring gear
7	4241	Differential pinion shaft lock bolt
8	4211	Differential pinion shaft
9	4204	Differential case
10	4216	Differential ring gear bolt (10 required)
11	4221	Differential bearing (2 required)
12	4222	Differential bearing cup (2 required)

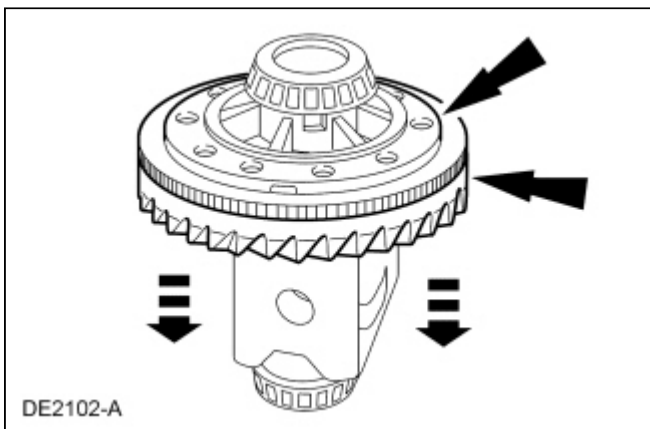
Disassembly

1. Remove the differential carrier. For additional information, refer to [Differential Carrier](#) in this section.
2. Remove and discard the 10 differential ring gear bolts.

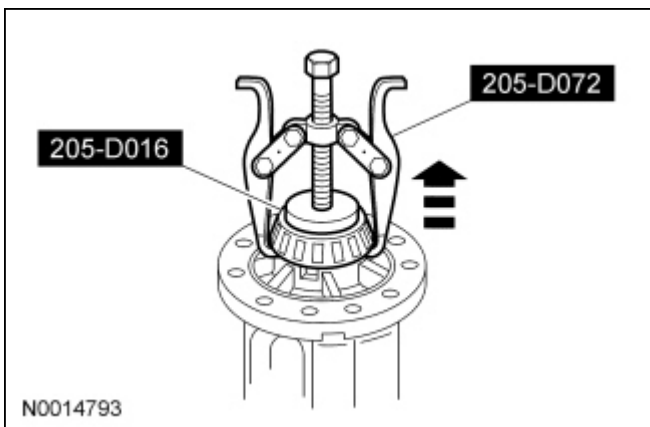


- NOTE:** Do not damage the differential ring gear bolt hole threads.

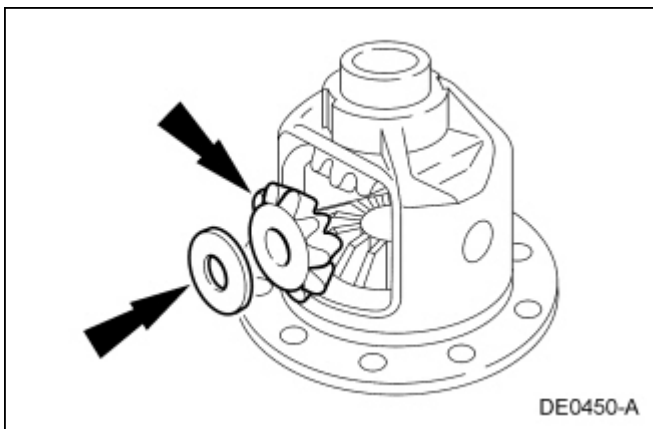
Insert a punch in the differential ring gear bolt holes and drive the differential ring gear off.



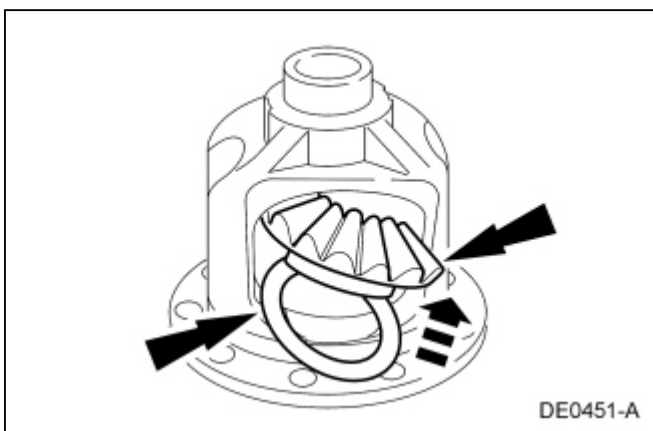
- Using the 2 Jaw Puller and Step Plate, remove the differential bearings.



- Rotate and remove the differential pinion gears and differential pinion gear thrust washers.

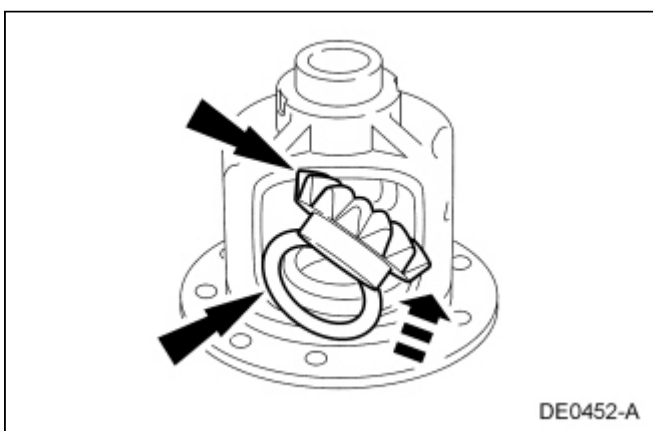


6. Remove the differential side gears and the differential side gear thrust washers.

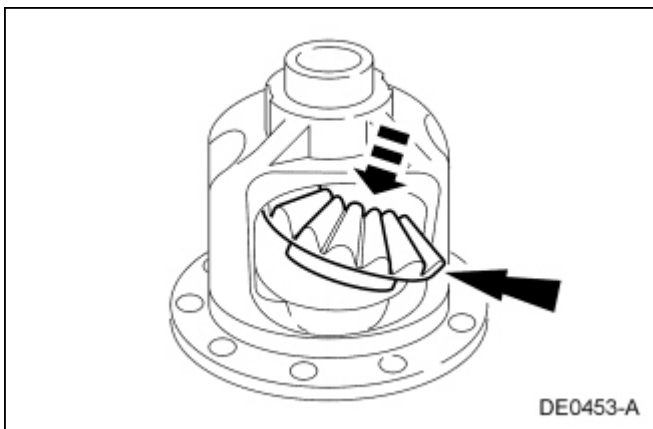


Assembly

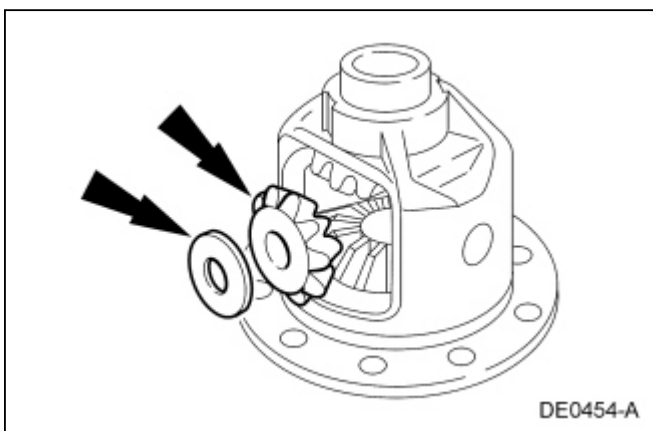
1. Lubricate the differential side gear thrust washer and the differential side gear journals with axle lube, then position the differential side gear thrust washers on the differential side gears.



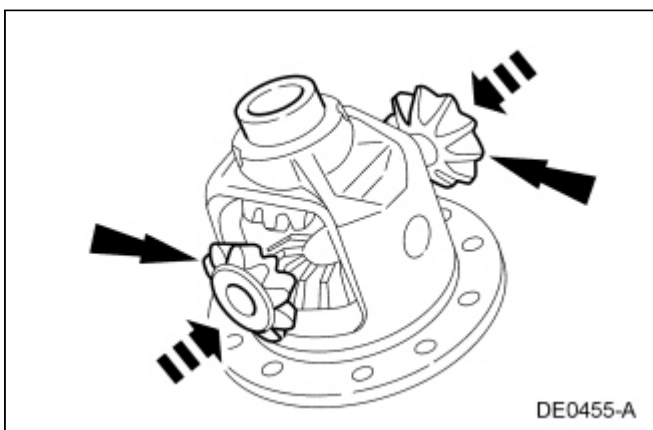
2. Install the differential side gears.



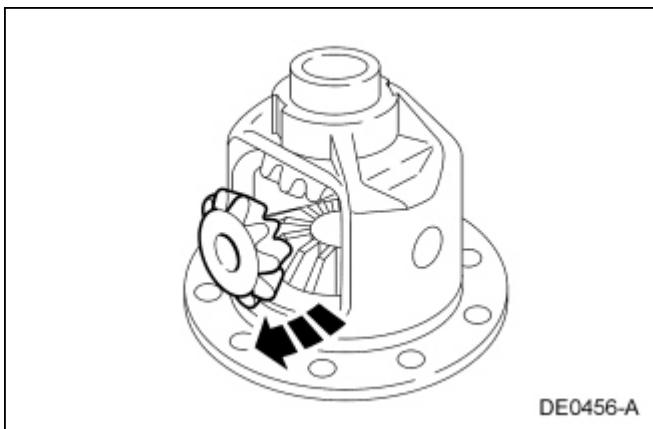
- Using axle lubricant, lubricate the differential pinion gear thrust washers and the differential pinion gears.



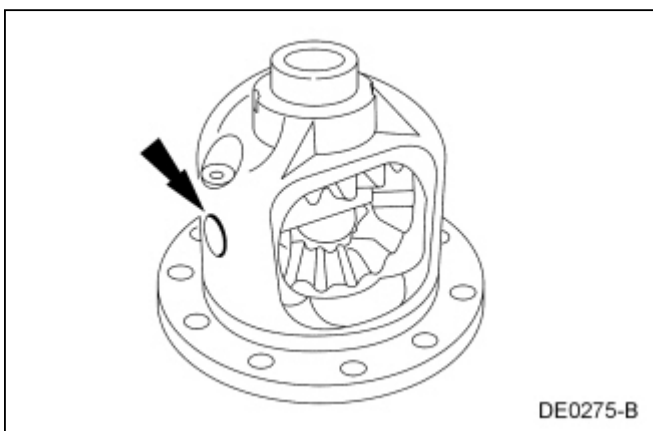
- Install the differential pinion gears and differential pinion gear thrust washers opposite the differential side gears.



- Rotate the differential pinion gears to align with the differential pinion shaft bore.

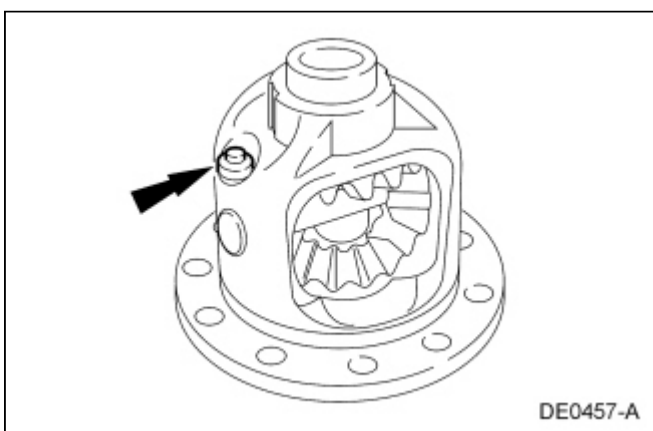


6. Insert the pinion shaft.

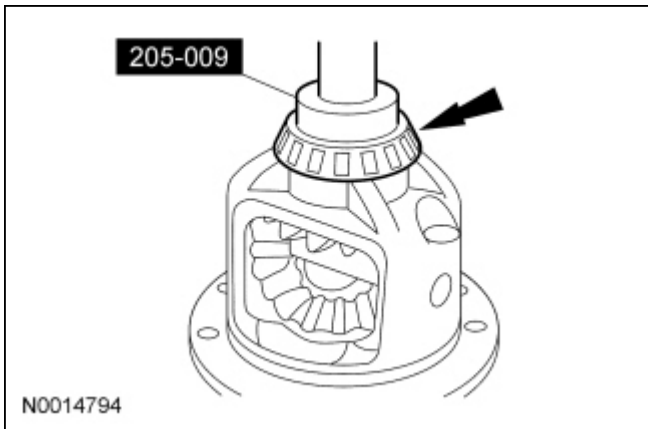


7. **NOTE:** If a new pinion shaft lock bolt is unavailable, coat the original bolt threads with threadlock and sealer prior to installation.

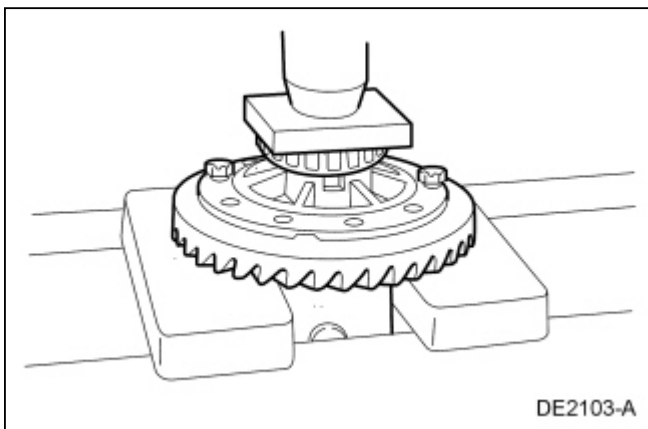
Install a new differential pinion shaft lock bolt and tighten to 30 Nm (22 lb-ft).



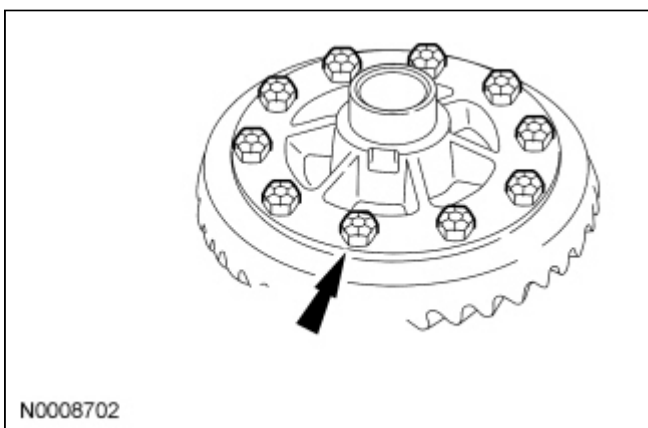
8. Using the Differential Side Bearing Installer, install new differential bearings.



9. Press the differential ring gear on the differential assembly.



10. Install the 10 new differential ring gear bolts.
 - Tighten to 138 Nm (102 lb-ft).



11. Install the differential carrier. For additional information, refer to [Differential Carrier](#) in this section.
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