
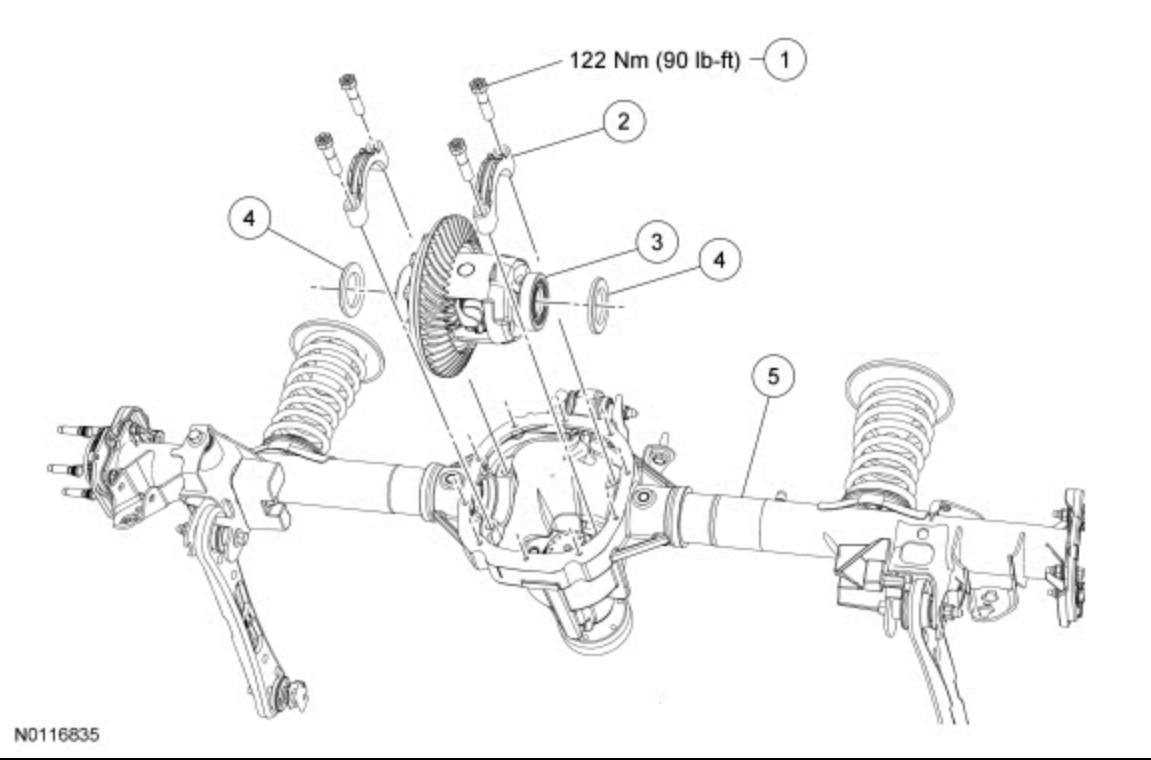


**Differential Carrier**

**Special Tool(s)**

 <p>ST1485-A</p>	<p>Installer, Differential Shim                  205-220 (T85I-4067-AH)</p>
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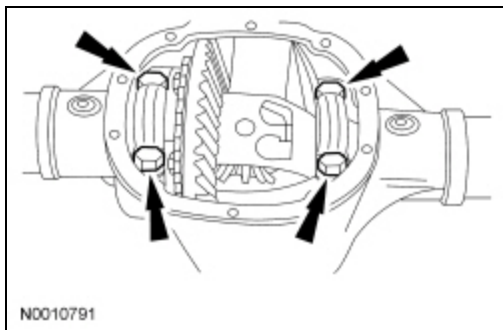
Item	Part Number	Description
1	—	Differential bearing cap bolt (4 required)
2	—	Differential bearing cap (2 required)
3	4026	Differential assembly
4	4067	Differential bearing shims (2 required)

## Removal

**NOTICE:** The Torsen® differential carrier is replaced as an assembly only. Do not attempt to disassemble the Torsen® differential carrier.

1. Remove the axle shafts. Refer to [Axle Shaft](#).
2. **NOTE:** Index-mark the position of the differential bearing caps, as arrows may not be visible. The differential bearing caps must be installed in their original locations and positions.

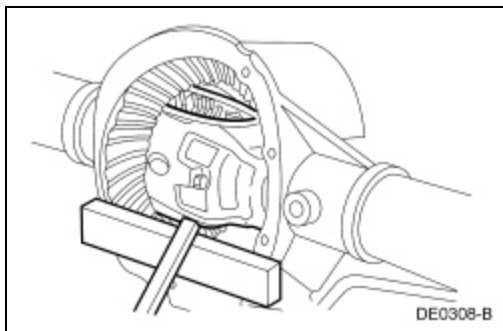
Remove the 4 differential bearing cap bolts and the 2 differential bearing caps.



3. **NOTE:** Place a wood block between the pry bar and the axle housing to protect the machined surface from damage.

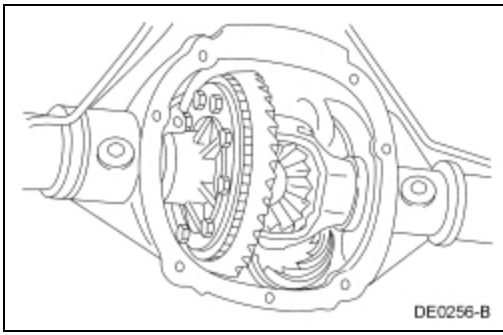
**NOTE:** Index-mark the position of the differential bearing shims. The differential bearing shims must be installed in their original locations and positions.

Using pry bars and wood blocks, remove the differential carrier assembly from the axle housing.

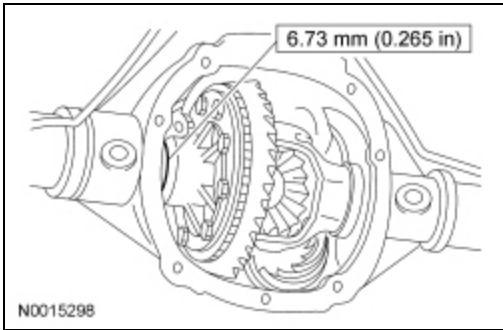


## Installation

1. Position the differential assembly in the axle housing.

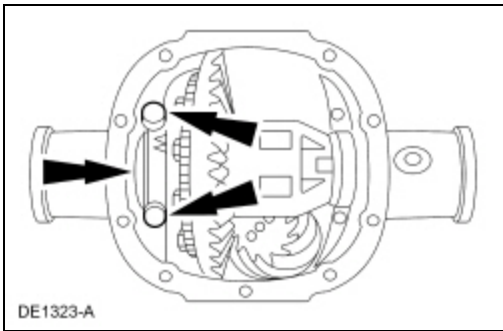


2. Install the originally removed differential bearing shim on the LH side.

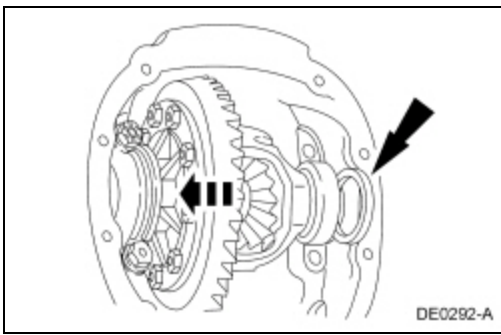


3. **NOTE:** Apply pressure toward the LH side to make sure the LH differential bearing cap is seated.

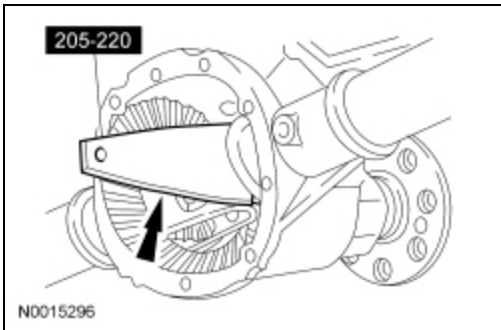
Install the LH differential bearing cap and loosely install the 2 differential bearing cap bolts.



4. Install the original differential bearing shim on the RH side.

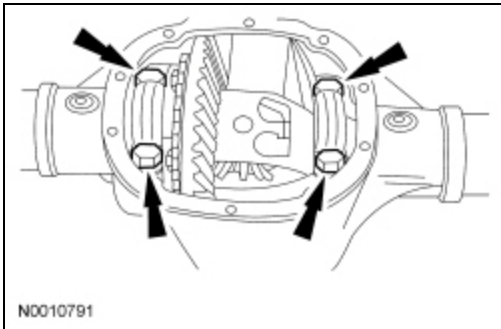


5. Using the Differential Shim Installer, fully seat the differential bearing shims.

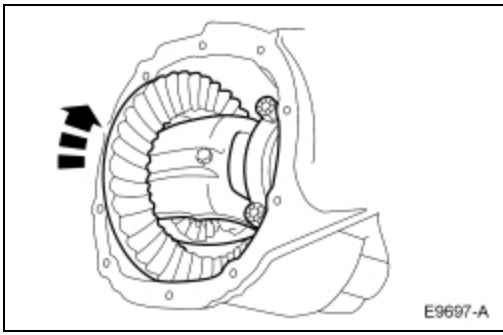


6. Install the RH side differential bearing cap and tighten the 4 differential bearing cap bolts.

- Tighten to 122 Nm (90 lb-ft).



7. Rotate the differential assembly to make sure it rotates freely.



8. Adjust the ring gear backlash. Refer to [Ring Gear Backlash Adjustment](#).

9. Install the axle shafts. Refer to [Axle Shaft](#).