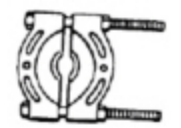


205-02A Rear Drive Axle/Differential
Disassembly and Assembly

2022 - 2023 Bronco
Procedure revision date: 07/17/2025

Differential Carrier - Vehicles With: Electronic Locking Differential (ELD)

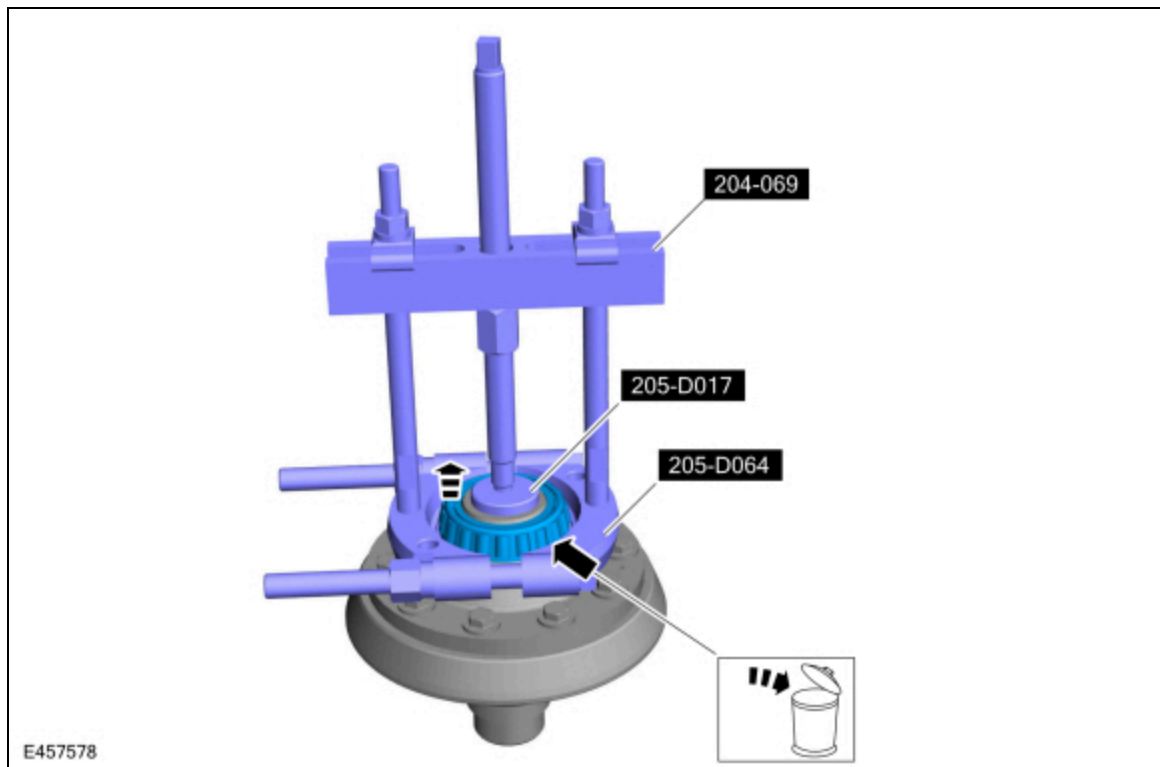
Special Tool(s) / General Equipment

| | |
|--|--|
|  E318518 | 204-069-01/1 Adapter for 204-069 |
|  E294702 | 205-1058 Installer, Differential Side Bearing |
|  | 205-D017 (D80L-630-6) Step Plate, Universal |
|  | 205-D064 (D84L-1123-A) Puller, Bearing |
| Hydraulic Press | |
| Punch | |
| Copper Hammer | |

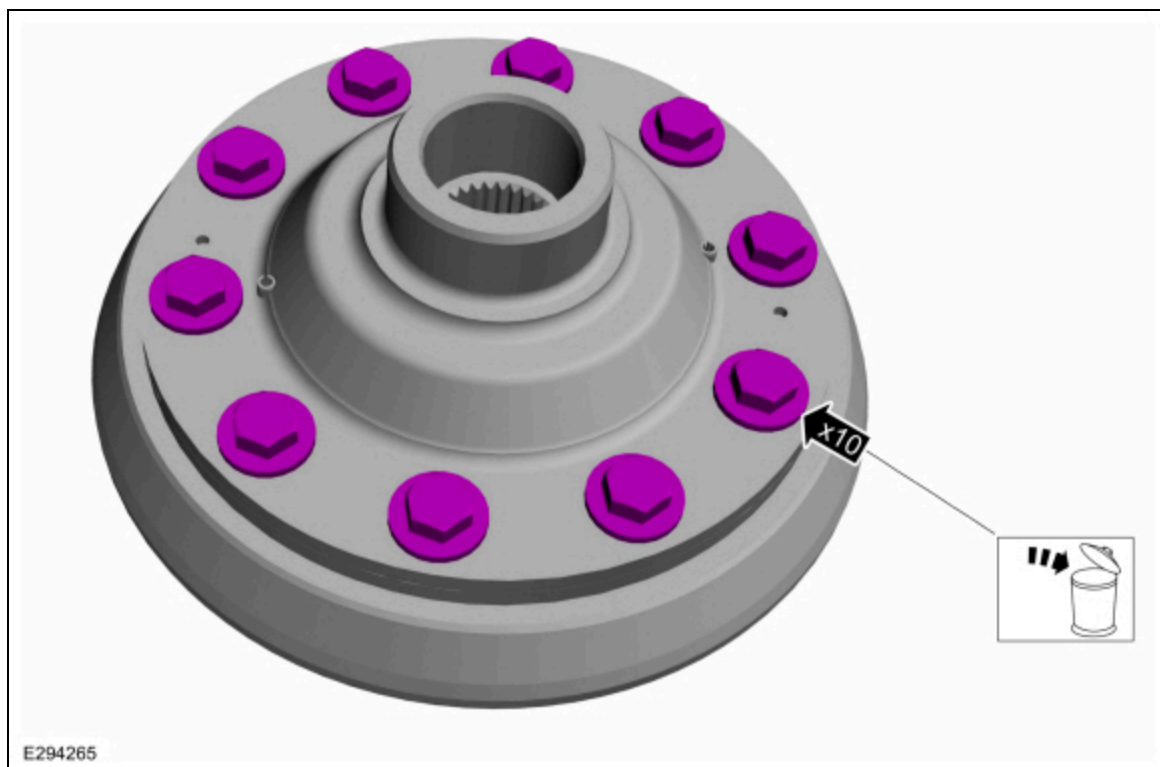
DISASSEMBLY

⚠ WARNING: The engine stand is equipped with a self-lock mechanism, however, if the rear differential is tilted, the self-lock mechanism could become inoperative. If the rear differential unexpectedly rotates, it could cause injury, therefore do not maintain the rear differential tilted. When turning the rear differential, grasp the rotation handle firmly.

1. Remove the [ELD](#) solenoid.
Refer to: [Electronic Locking Differential \(ELD\) Solenoid](#) (205-02A Rear Drive Axle/Differential, Removal and Installation).
2. Using the special tools and the general equipment, remove and discard the differential side bearing.
Use Special Service Tool: [204-069-01/1 Adapter for 204-069.](#) , [205-D017 \(D80L-630-6\) Step Plate, Universal.](#) , [205-D064 \(D84L-1123-A\) Puller, Bearing.](#)
Use the General Equipment: Hydraulic Press



3. Remove and discard the ring gear bolts.

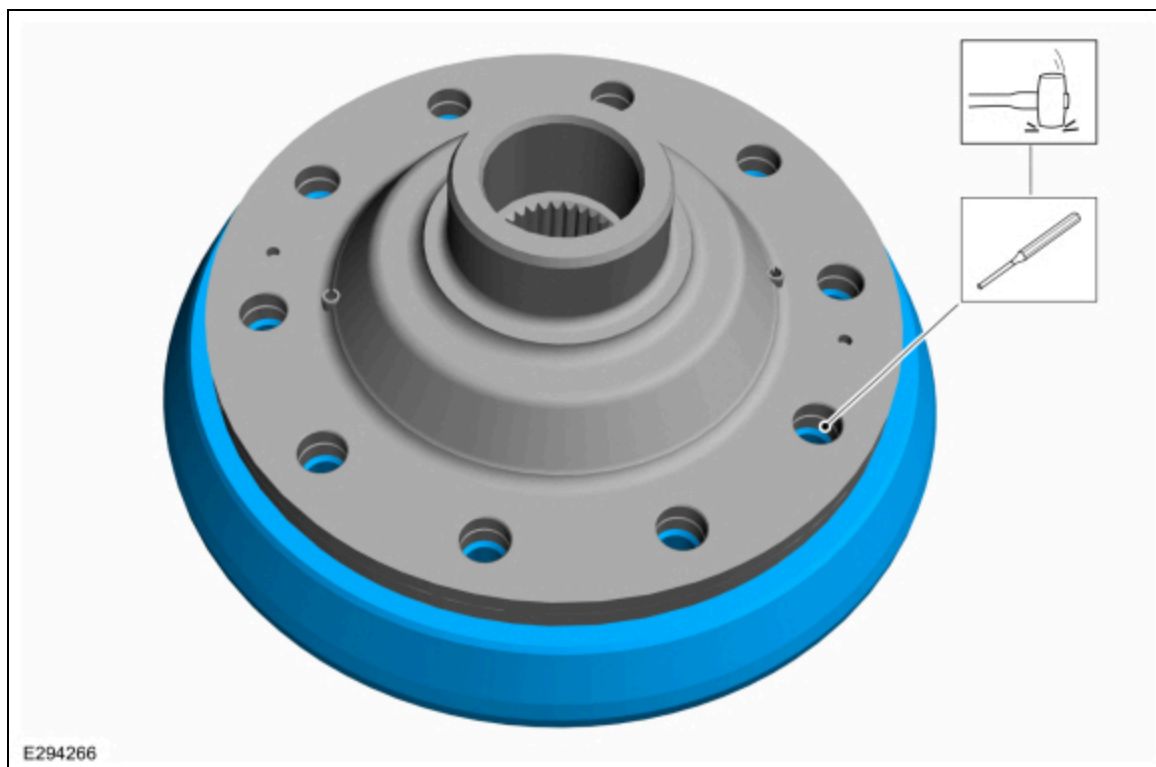


4. **NOTICE:** Care should be taken not to damage the differential ring gear bolt hole threads.

Using the general equipments, remove the ring gear.

Use the General Equipment: Punch

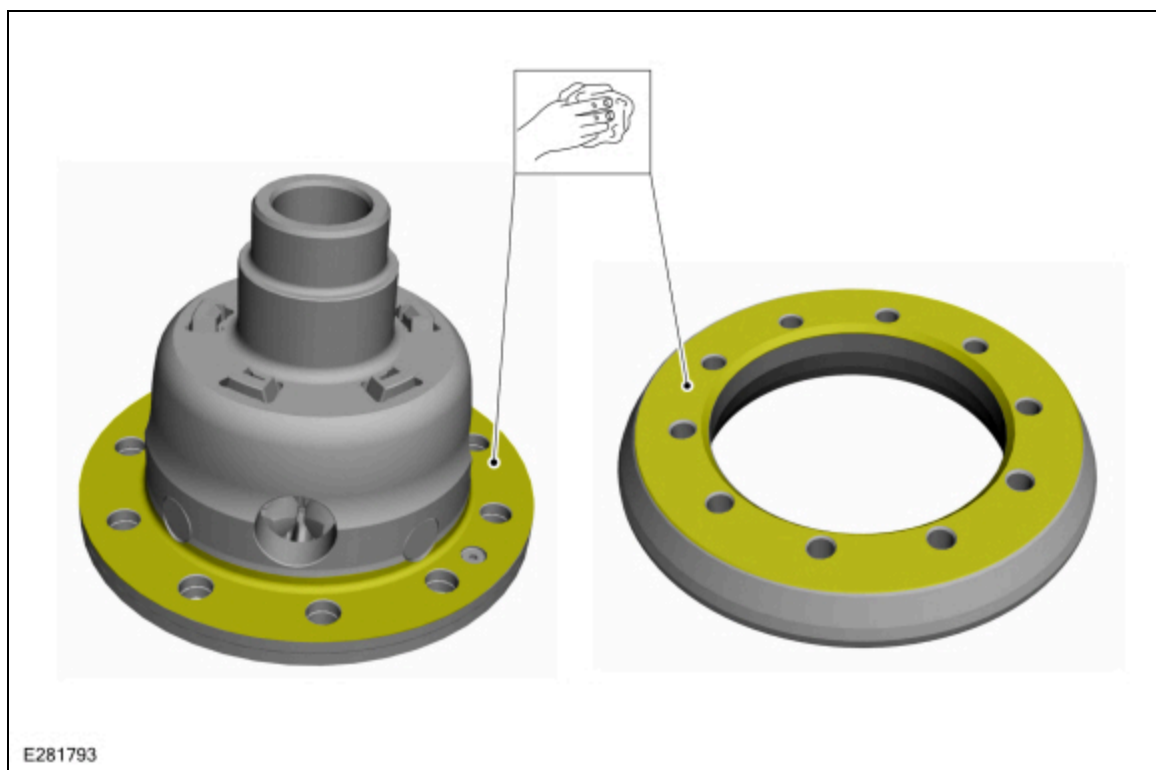
Use the General Equipment: Copper Hammer



5. **NOTICE:** The differential flange and ring gear flange must be free of any old retaining compound material. Make sure both surfaces are clean and free of oil, dust and debris. Failure to clean the surfaces can result in ring gear runout concerns.

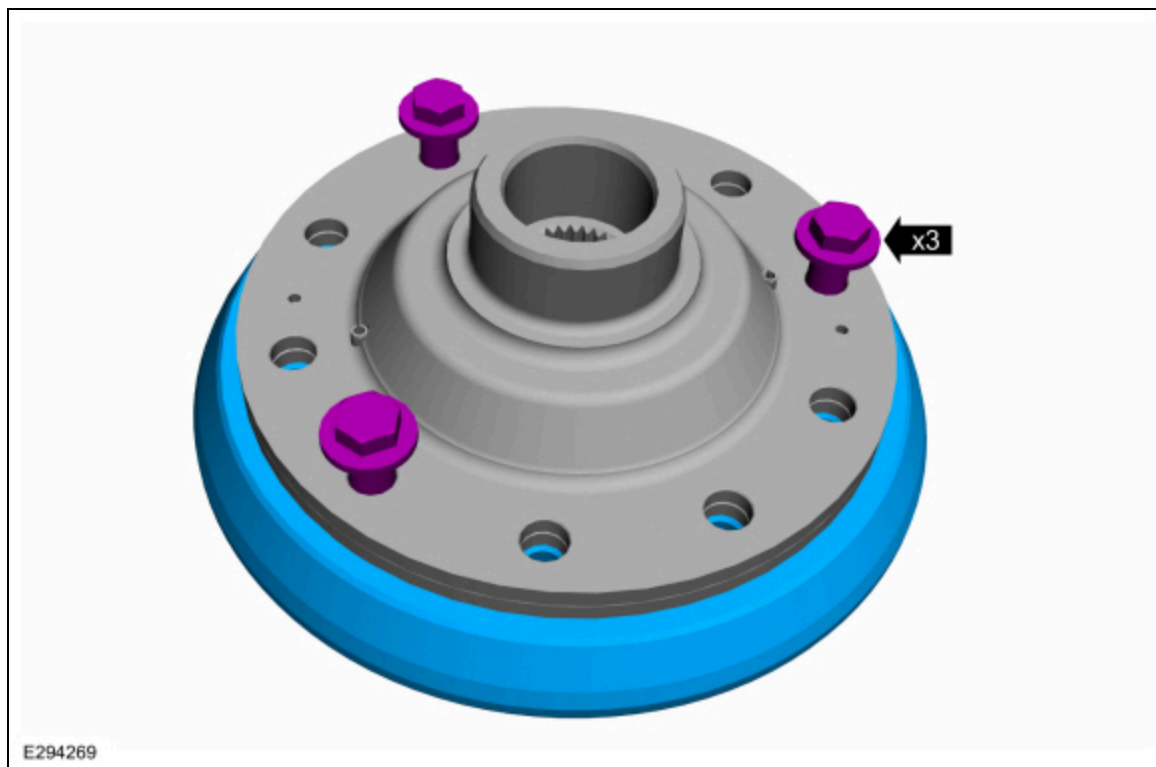
NOTE: Use solvent and Scotch-Brite® pads to remove.

Clean all traces of the old retaining compound material from the differential flange and ring gear flange.



ASSEMBLY

1. Install the ring gear onto the differential carrier. Align the ring gear using 3 new bolts. Using the general equipment, press the ring gear into place.
Use the General Equipment: Hydraulic Press



2. **NOTE:** The component has a right-hand thread.

NOTE: Install all the bolts finger tight before final tightening.

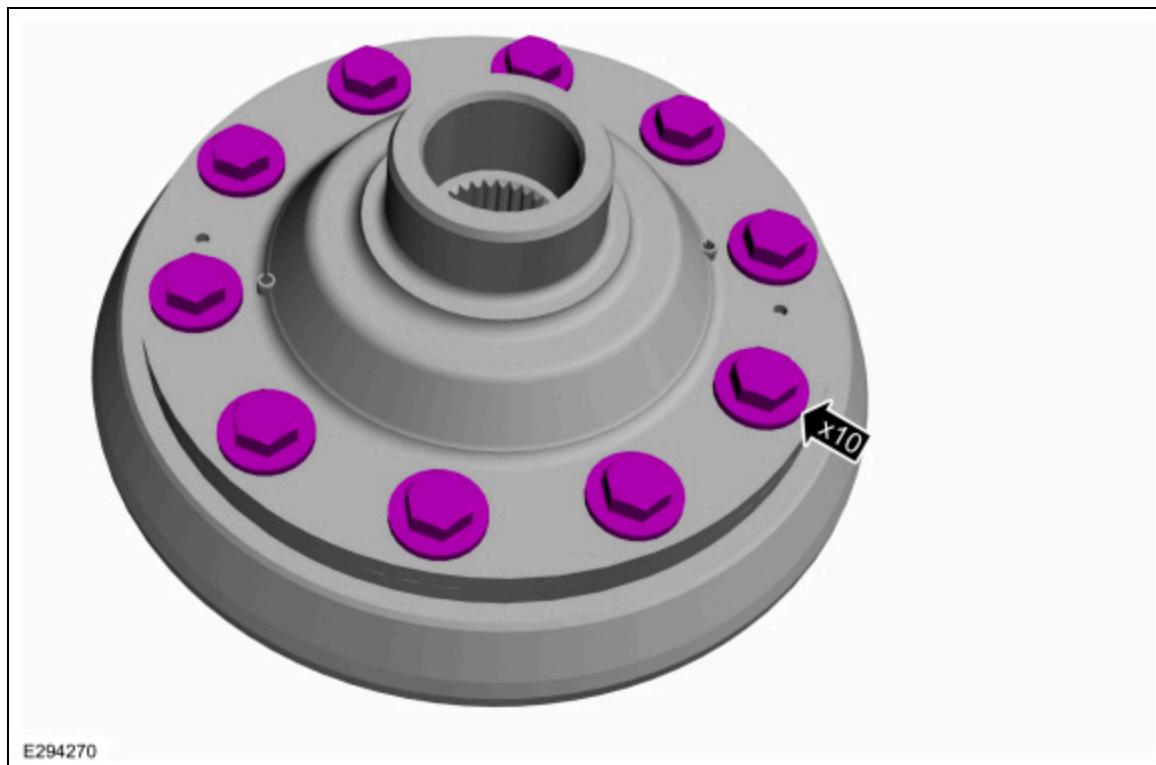
NOTE: Tighten the ring gear bolts in a cross pattern.

Install the ring gear bolts.

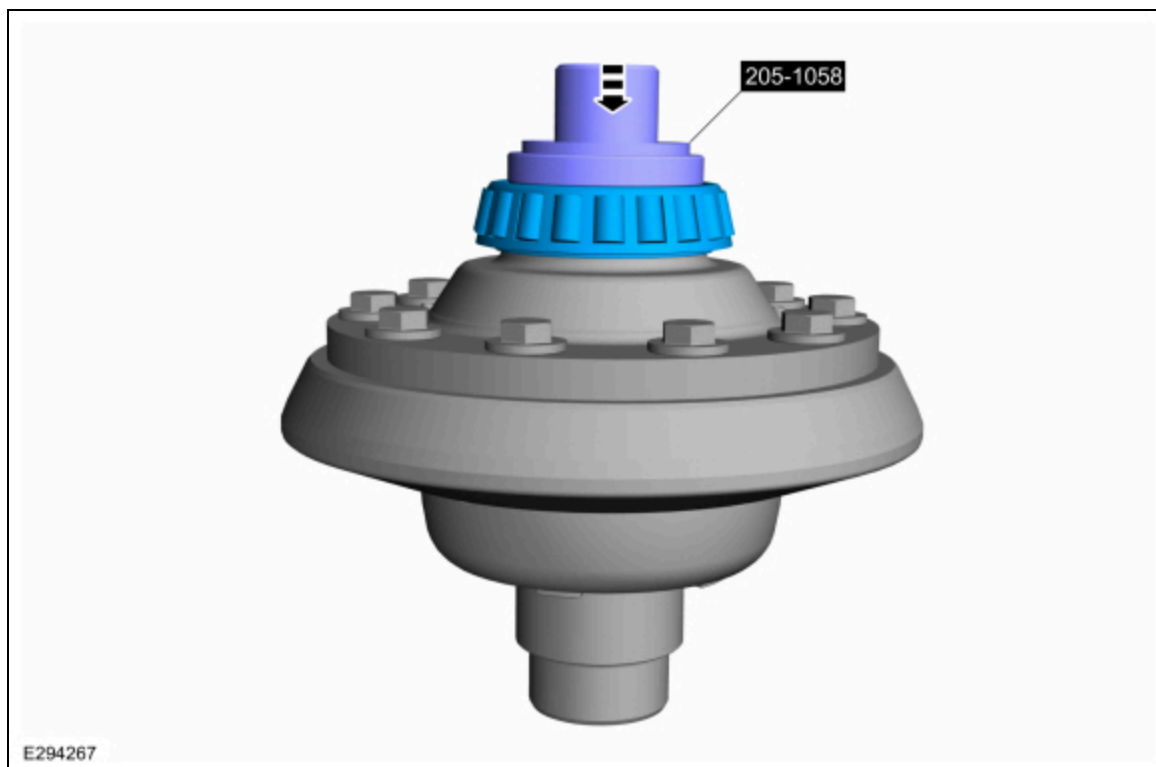
Torque:

Stage 1: 74 lb.ft (100 Nm)

Stage 2: 40°



3. Using the special tool, install the new differential side bearing.
Use Special Service Tool: [205-1058 Installer, Differential Side Bearing](#).



4. Install the [ELD](#) solenoid.
Refer to: [Electronic Locking Differential \(ELD\) Solenoid](#) (205-02A Rear Drive Axle/Differential, Removal and Installation).
5. Check the differential ring gear backlash.
Refer to: [Ring Gear Backlash Adjustment](#) (205-02A Rear Drive Axle/Differential, General Procedures).

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