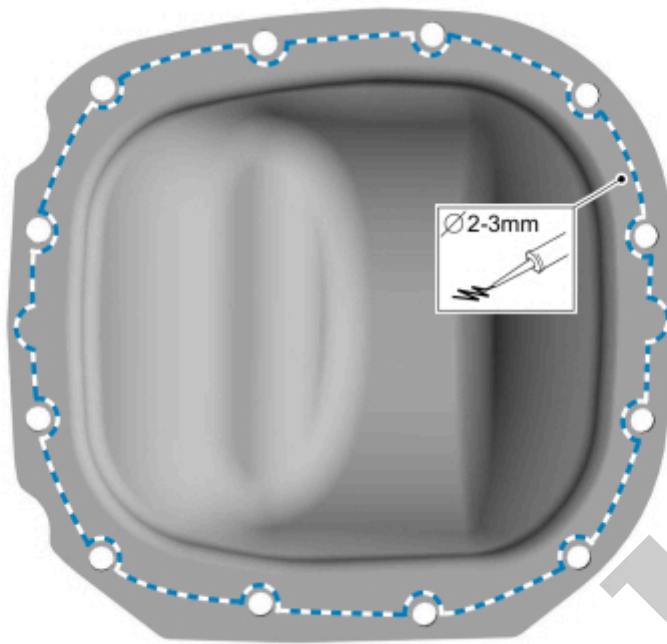


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## 2004 FORD Escape OEM Service and Repair Workshop Manual

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E192872

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## 2. NOTE

The differential housing cover must be installed within 15 minutes of application of the silicone, or new sealant must be applied. If possible, allow one hour before filling with lubricant to make sure the silicone sealant has correctly cured.

Install the differential housing cover and the differential housing cover bolts and the differential housing cover stud bolts.

**Torque** : 33 lb.ft (45 Nm)

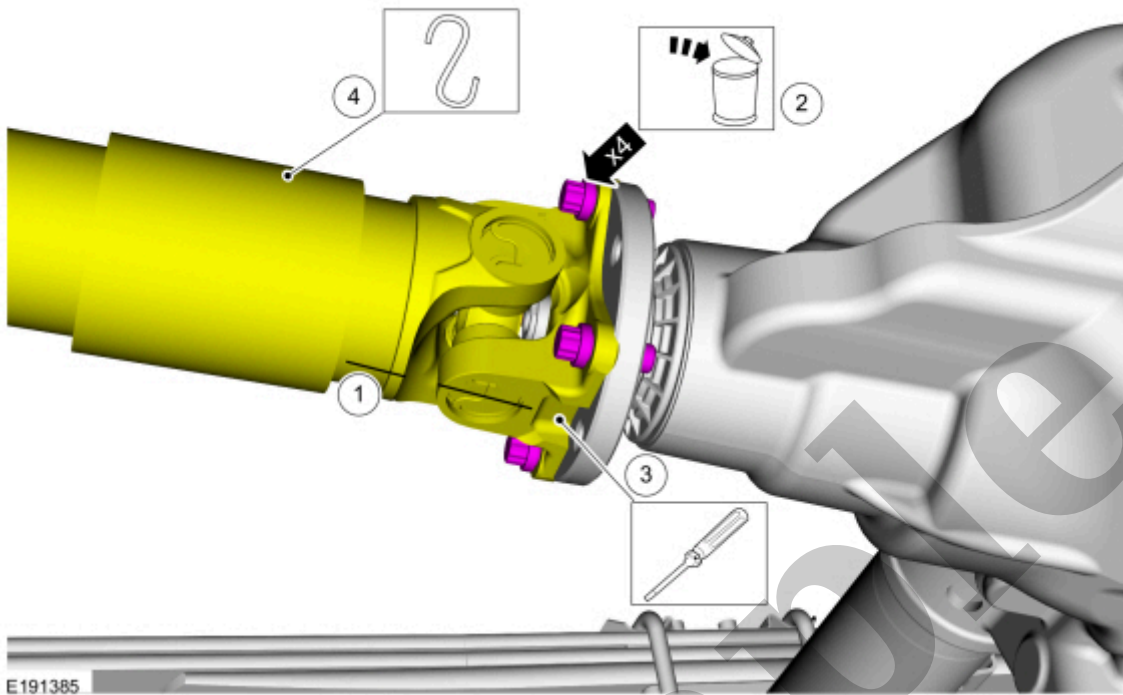
Refer to: [Differential Fluid Level Check](#)(205-02A Rear Drive Axle/Differential - Vehicles With: Ford 8.8 Inch Ring Gear, General Procedures).

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Sample

4. Support the driveshaft.

Use the General Equipment: Cable Ties



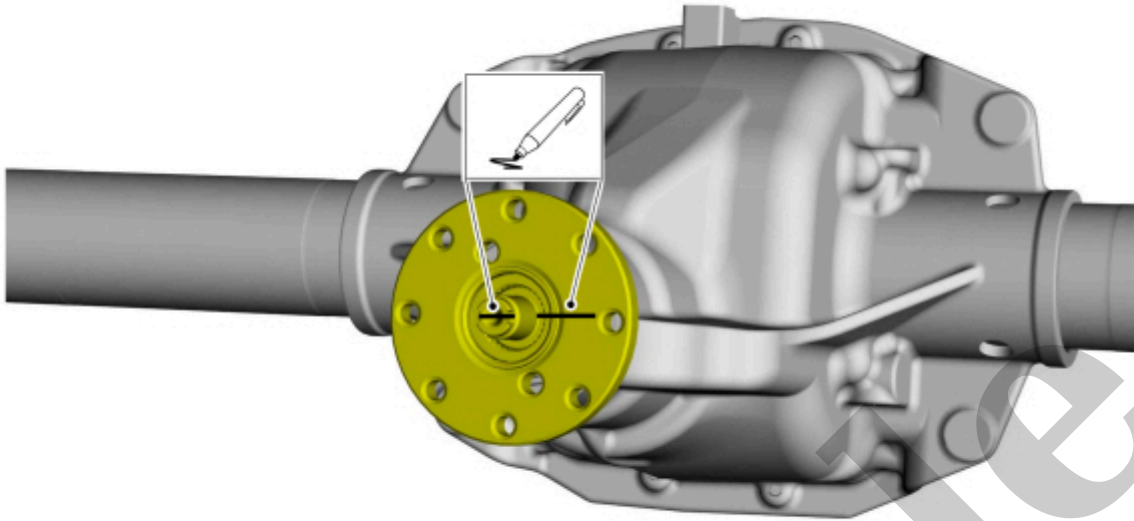
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3. **NOTE**

Rotational torque of the drive pinion flange must be measured and recorded using a Nm (lb-in) torque wrench for correct pinion bearing preload when reassembled. This will be the torque-to-turn measurement.

Using a dial type torque wrench, measure and record the rotational torque of the drive pinion.

5. Mark the drive pinion flange and the drive pinion stem for reassembly.

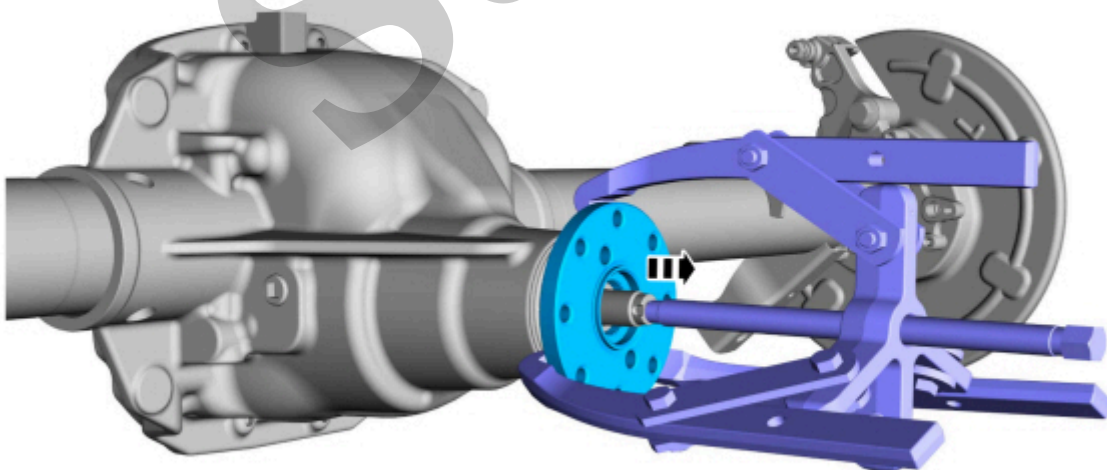


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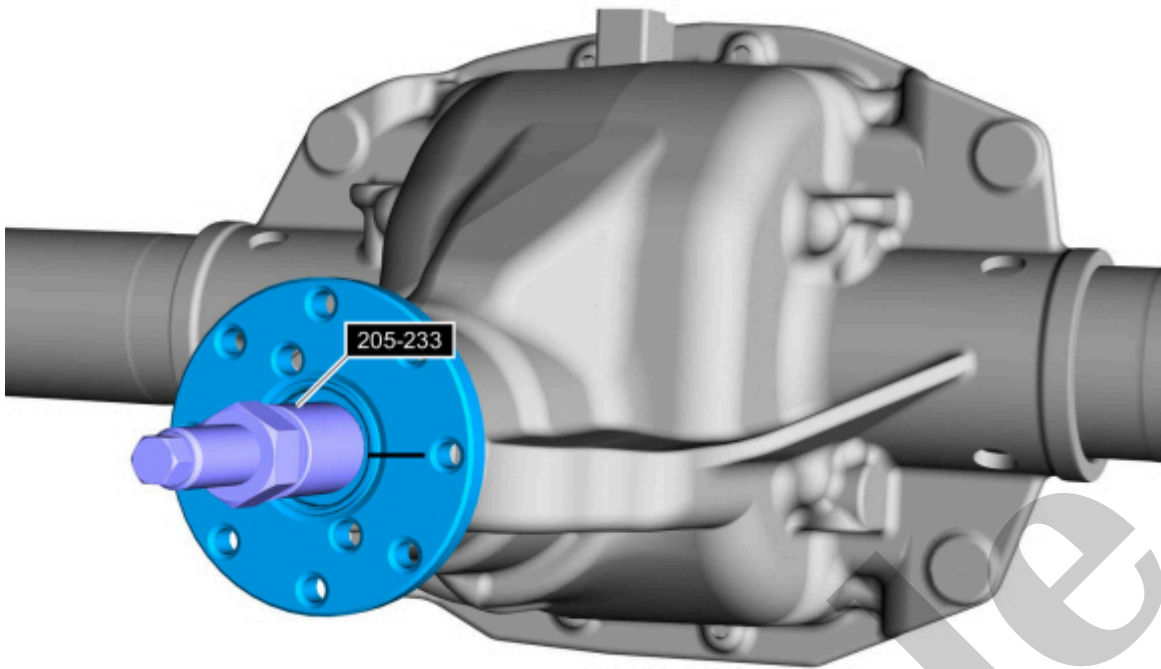
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6. Using the general equipment, remove the pinion flange.

Use the General Equipment: Three Leg Puller



E194931



E194933

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#### 4. NOTICE

Under no circumstances is the pinion nut to be backed off to reduce drive pinion bearing preload. If reduced drive pinion bearing preload is required, a new drive pinion collapsible spacer and pinion nut must be installed or damage to the component may occur.

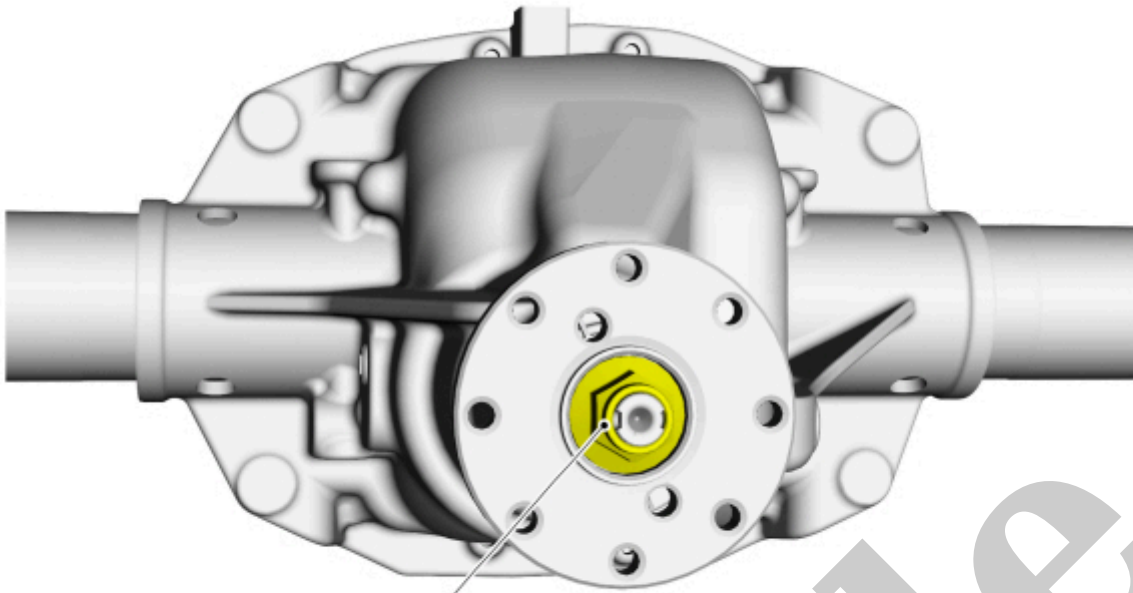
#### NOTE

When installing the drive pinion flange and pinion nut with no differential carrier installed, the drag torque (torque to turn) should be 2 to 3 Nm (16-29 in-lbs).

#### NOTE

Refer to the rotational torque previously recorded with the Nm (lb-in) torque wrench. Tighten the pinion nut in small increments until it is within 0.3 Nm (3 lb-in) of the reference measurement. If 0.3 Nm (3 lb-in) is exceeded, then the collapsible spacer will be damaged and a new collapsible spacer will be required.

Using the special tool to hold the pinion flange, install the new pinion nut.



E197501



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6.
  1. Align the index-mark on the driveshaft to the rear axle pinion flange.
  2. Install the new driveshaft-to-pinion flange bolts.

**Torque** : 76 lb.ft (103 Nm)



## Drive Pinion Front Bearing

<b>205-02A Rear Drive Axle/Differential - Vehicles With: Ford 8.8 Inch Ring Gear</b>	<b>2022 F-150</b>
<b>Removal and Installation</b>	<b>Procedure revision date: 10/6/2014</b>

### Drive Pinion Front Bearing

#### Removal and Installation

##### NOTE

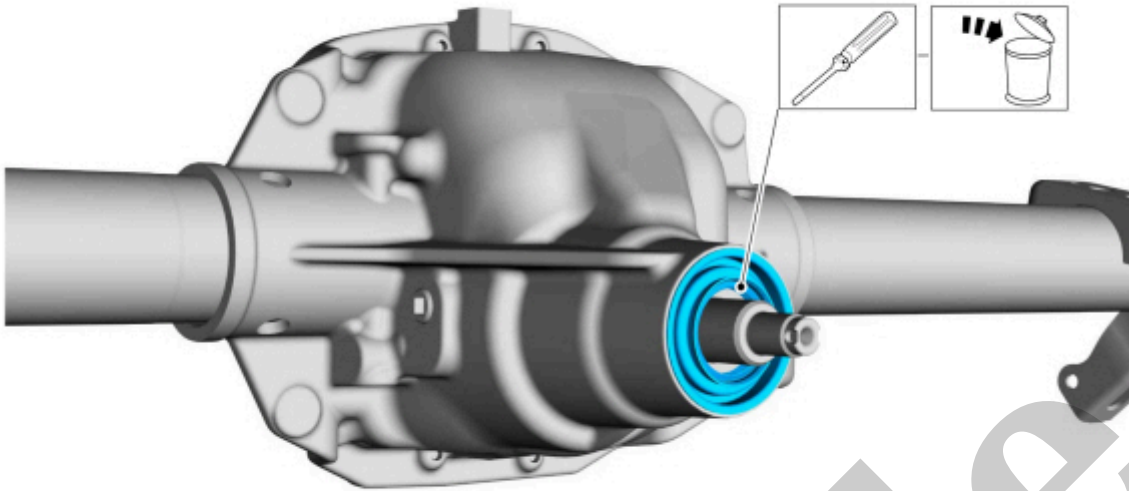
The outer differential bearing cup needs to be replaced when replacing the outer differential bearing.

1. Replace the outer pinion bearing cup.

Refer to: [Drive Pinion](#)(205-02A Rear Drive Axle/Differential - Vehicles With: Ford 8.8 Inch Ring Gear, Removal and Installation).

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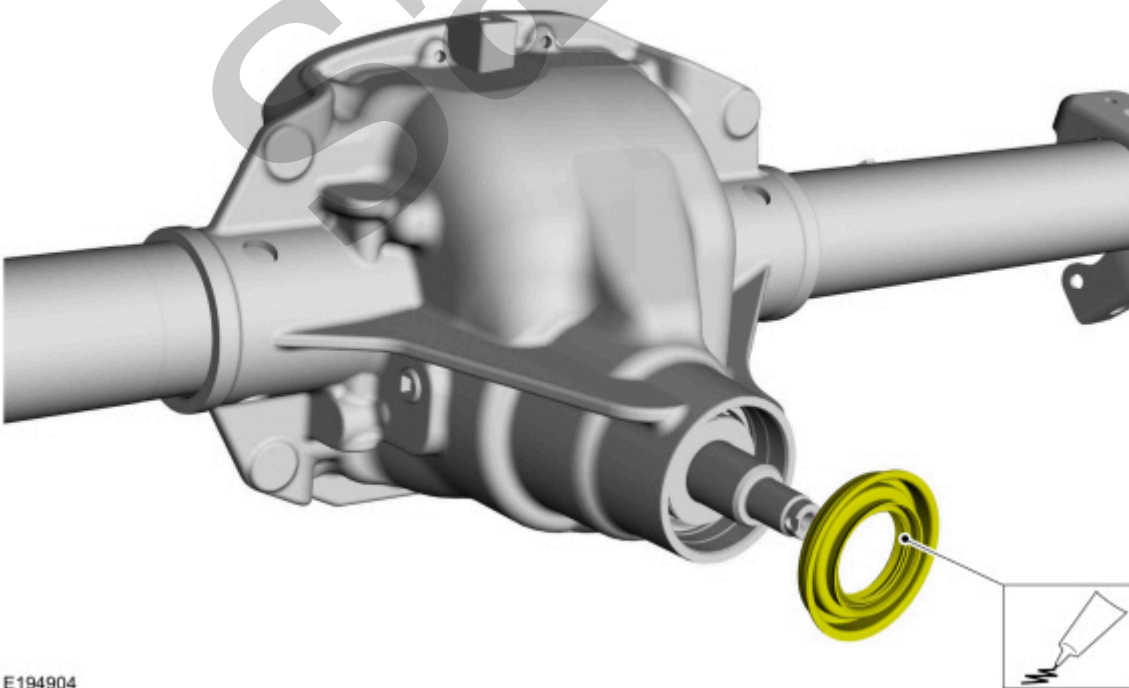
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### Installation

1. Lubricate the new drive pinion seal lip with grease.

**Material** : Motorcraft® Premium Long-Life Grease / XG-1-E1 (ESA-M1C75-B)



E194904

## Drive Pinion

<b>205-02A Rear Drive Axle/Differential - Vehicles With: Ford 8.8 Inch Ring Gear</b>	<b>2022 F-150</b>
<b>Removal and Installation</b>	<b>Procedure revision date: 09/25/2018</b>

### Drive Pinion

#### Removal

1. Remove the differential carrier.

Refer to: [Differential Carrier](#)(205-02A Rear Drive Axle/Differential - Vehicles With: Ford 8.8 Inch Ring Gear, Removal and Installation).

2. Remove the drive pinion seal.

Refer to: [Drive Pinion Seal](#)(205-02A Rear Drive Axle/Differential - Vehicles With: Ford 8.8 Inch Ring Gear, Removal and Installation).

3. Remove the drive pinion outer shim.