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2014 FORD Escape OEM Service and Repair Workshop Manual

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Drive Pinion Seal

205-02B Rear Drive Axle/Differential - Vehicles With: Ford 9.75 Inch Ring Gear	2022 F-150
Removal and Installation	Procedure revision date: 07/15/2021

Drive Pinion Seal

Removal

1. Remove the drive pinion flange.

Refer to: [Drive Pinion Flange](#)(205-02B Rear Drive Axle/Differential - Vehicles With: Ford 9.75 Inch Ring Gear, Removal and Installation).

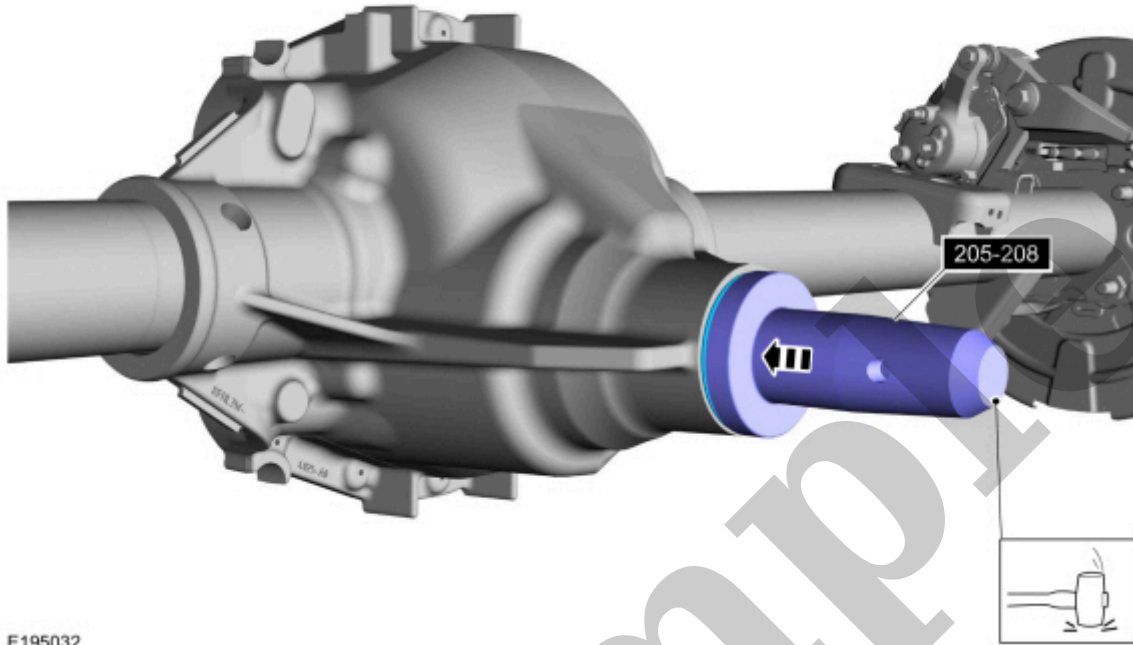
2. Using a flat blade screwdriver, remove and discard the drive pinion seal.

Use the General Equipment: Flat-Bladed Screwdriver

[Click here to learn about symbols, color coding, and icons used in this manual.](#)

2. Using the special tool, install the drive pinion seal.

Use Special Service Tool : 205-208 (T83T-4676-A) Installer, Drive Pinion Oil Seal



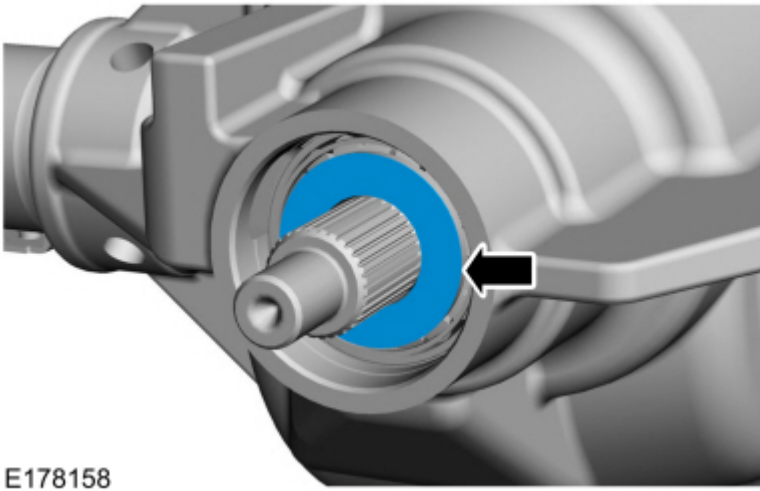
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3. Install the drive pinion flange.

Refer to: [Drive Pinion Flange](#)(205-02B Rear Drive Axle/Differential - Vehicles With: Ford 9.75 Inch Ring Gear, Removal and Installation).

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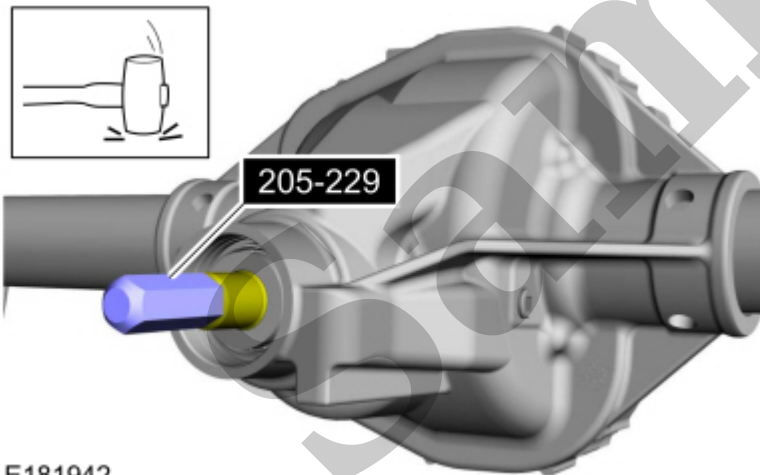
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4. Using the special tool and a soft face mallet, tap the drive pinion free of the of the drive pinion outer bearing.

Use Special Service Tool : 205-229 (T85T-4209-AH) Protector, Drive Pinion Thread

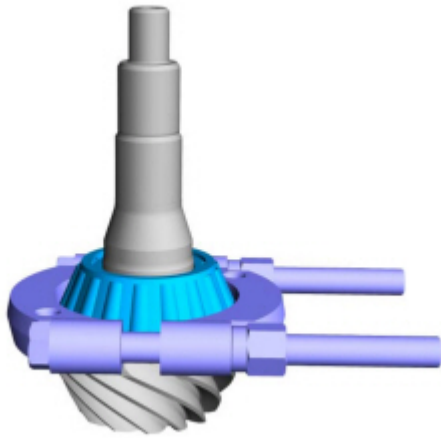
Use the General Equipment: Rubber Mallet



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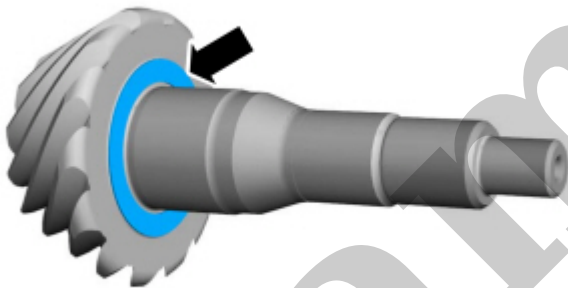
5. Remove the drive pinion and remove and discard the drive pinion outer bearing.



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8. Remove the inner drive pinion bearing shim.



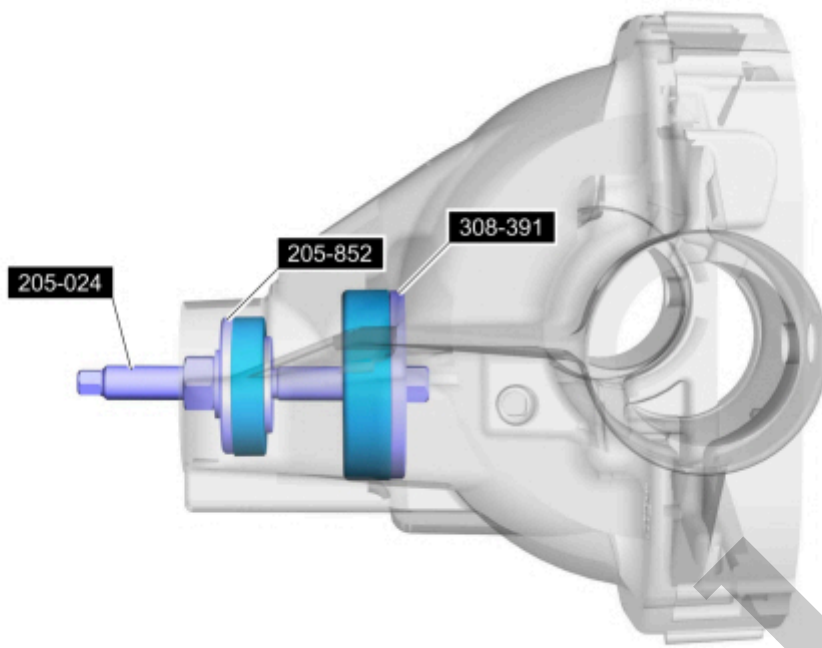
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9. Using the general equipment, remove and discard the 2 drive pinion bearing cups.

Use the General Equipment: Punch

Use the General Equipment: Copper Hammer



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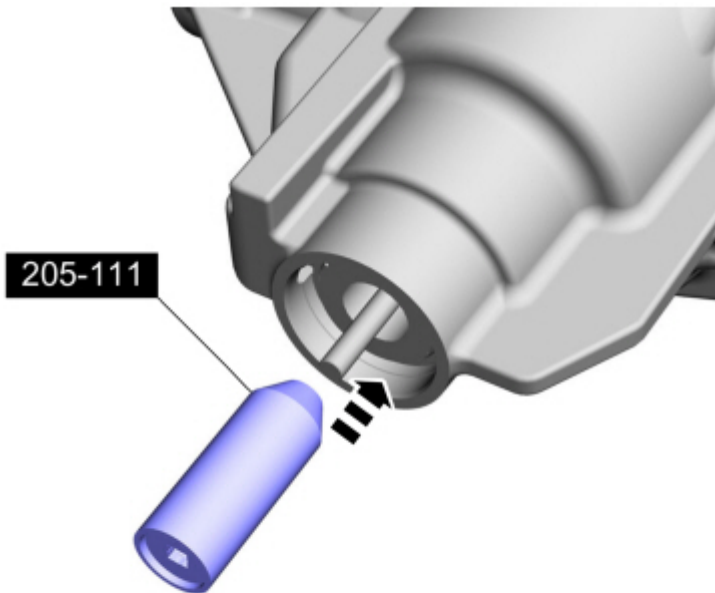
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2. NOTE

Only tighten finger tight at this stage.

Assemble the special tools and new bearings in the differential housing.

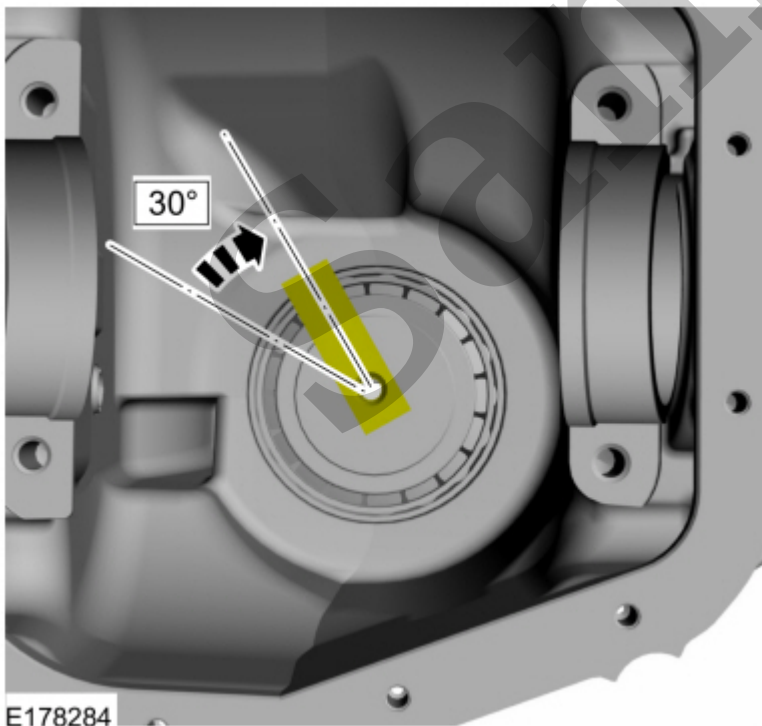
Use Special Service Tool : 205-159 (T80T-4020-F42) Adapter for 205-S156 Pinion Depth Gauge , 205-160 (T80T-4020-F43) Adapter for 205-S156 Pinion Depth Gauge , 205-383 (T97T-4020-B) Depth Gauge/Aligner, Drive Pinion , 205-937 Adapter, Pinion Aligning



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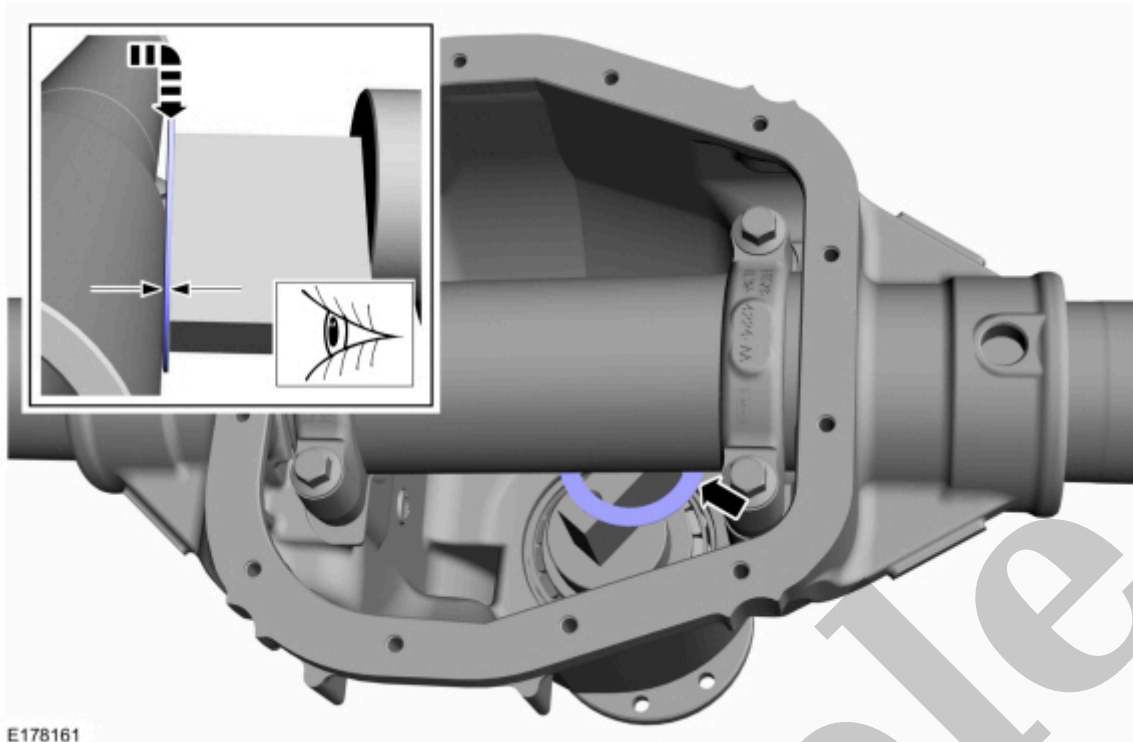
4. Check for proper location of special tools.



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5. • Position the special tool.



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7. **NOTE**

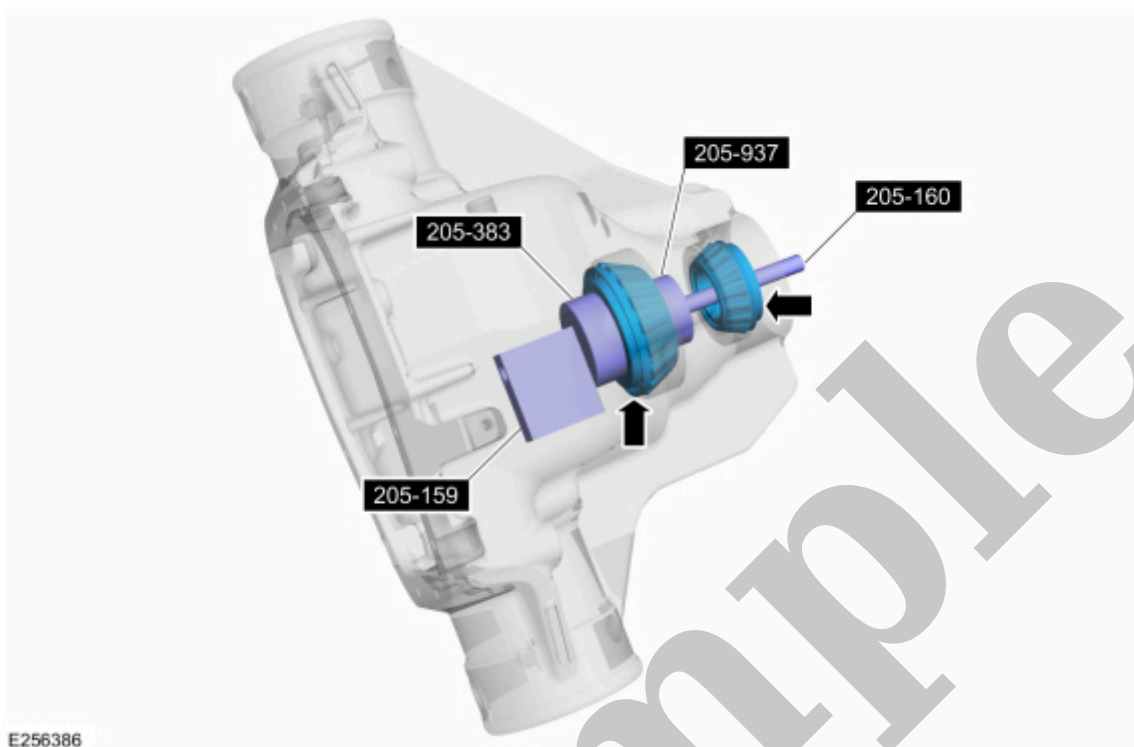
The differential bearing caps need to stay in the correct orientation for installation.

Remove the differential bearing cap bolts and differential bearing caps, remove the special tools.

Use Special Service Tool : 205-377 (T97T-4020-A) Gauge Tube, Drive Pinion

9. Remove the special tools.

Use Special Service Tool : 205-159 (T80T-4020-F42) Adapter for 205-S156 Pinion Depth Gauge , 205-160 (T80T-4020-F43) Adapter for 205-S156 Pinion Depth Gauge , 205-383 (T97T-4020-B) Depth Gauge/Aligner, Drive Pinion , 205-937 Adapter, Pinion Aligning

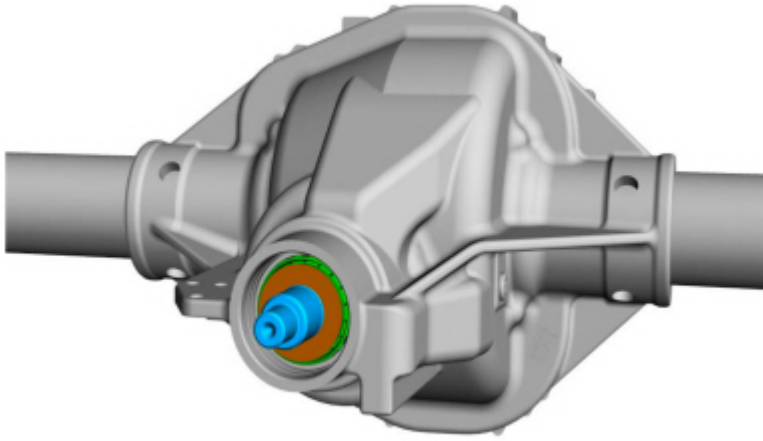


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10. Install the drive pinion inner bearing and selected drive pinion bearing adjustment shim until they are firmly seated on the drive pinion.

Use Special Service Tool : 205-488 Installer, Drive Pinion Bearing

Use the General Equipment: Hydraulic Press



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13. **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).

Install the drive pinion seal.

Refer to: [Drive Pinion Seal](#)(205-02B Rear Drive Axle/Differential - Vehicles With: Ford 9.75 Inch Ring Gear, Removal and Installation).

14. Install the differential carrier.

Refer to: [Differential Carrier](#)(205-02B Rear Drive Axle/Differential - Vehicles With: Ford 9.75 Inch Ring Gear, Removal and Installation).

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