

Your Ultimate Source for OEM Repair Manuals

FactoryManuals.net is a great resource for anyone who wants to save money on repairs by doing their own work. The manuals provide detailed instructions and diagrams that make it easy to understand how to fix a vehicle.

2009 FORD Expedition OEM Service and Repair Workshop Manual

[Go to manual page](#)

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

2. Install the axle shaft seal.

Refer to: [Axle Shaft Seal](#)(205-03 Front Drive Axle/Differential, Removal and Installation).

Copyright © Ford Motor Company

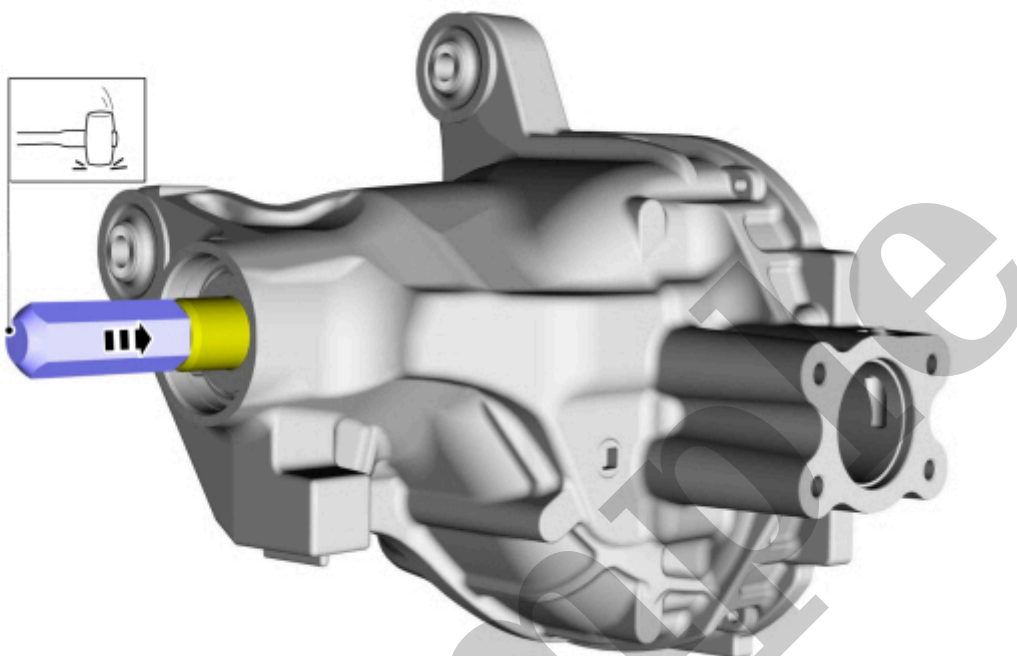
Sample

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

5. Using the special tool and a soft hammer, remove the pinion gear.

Use Special Service Tool : 205-460 Protector, Drive Pinion Thread

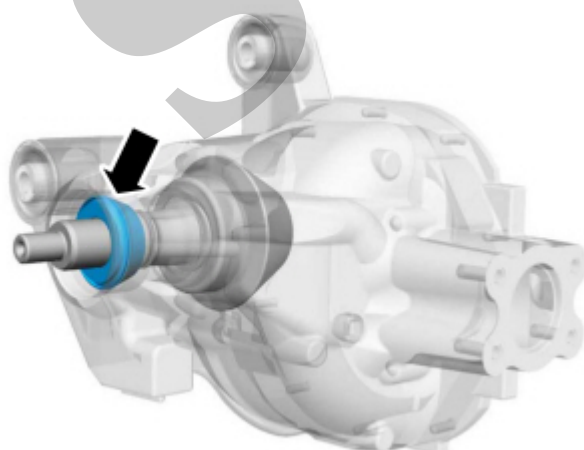
Use the General Equipment: Copper Hammer



E194176

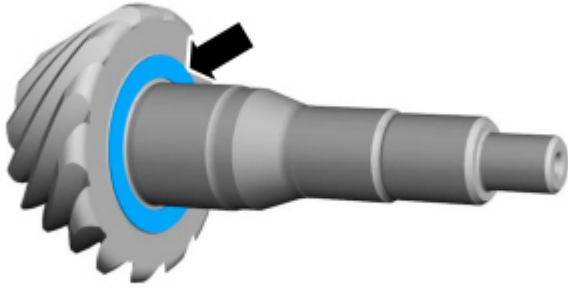
[Click here to learn about symbols, color coding, and icons used in this manual.](#)

6. Remove the outer drive pinion bearing.



E194188

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



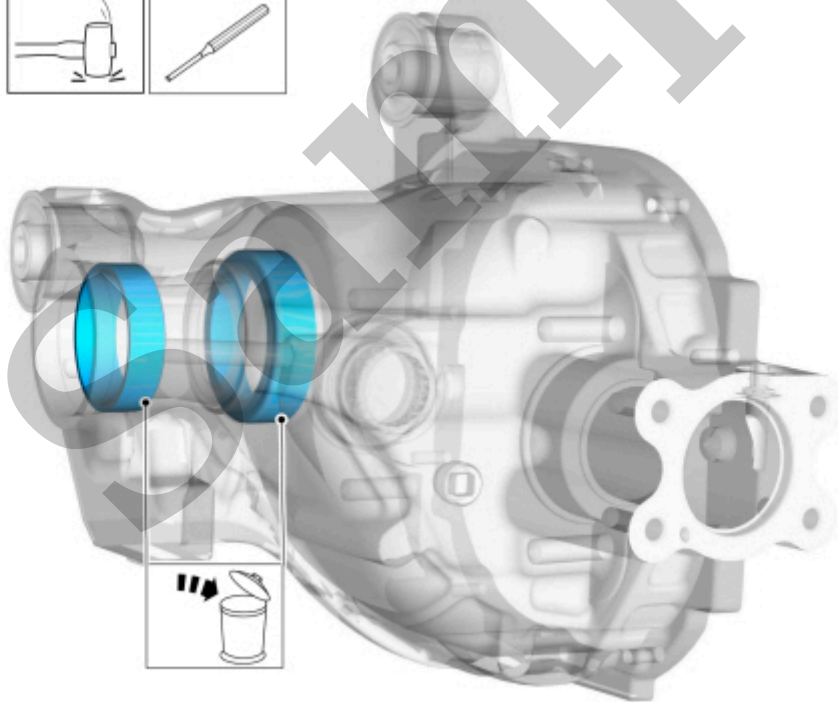
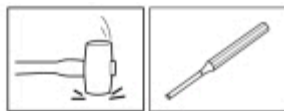
E181946

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

10. Using the general equipment, remove and discard the drive pinion inner and outer bearing cups.

Use the General Equipment: Copper Hammer

Use the General Equipment: Punch



E194178

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

11. If necessary.

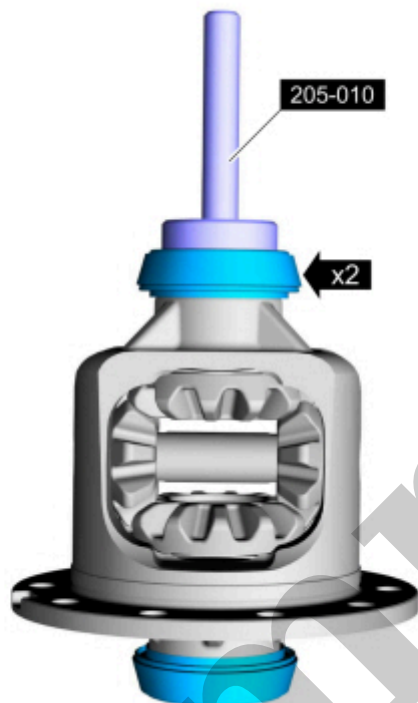
Remove and discard the drive pinion oil baffle.

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

Installation

1. Using the special tools, install the new differential bearings.

Use Special Service Tool : 205-010 (T57L-4221-A2) Installer, Differential Side Bearing



E237630

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

2. If removed.

Using the special tool, install the new drive pinion oil baffle.

Use Special Service Tool : 205-D044 (D81T-4221-A) Installer, Differential Carrier Bearing

4. NOTICE

Use the same drive pinion bearings and the drive pinion bearing adjustment shim from the drive pinion bearing adjustment shim selection procedure for final assembly or damage to the component may occur.

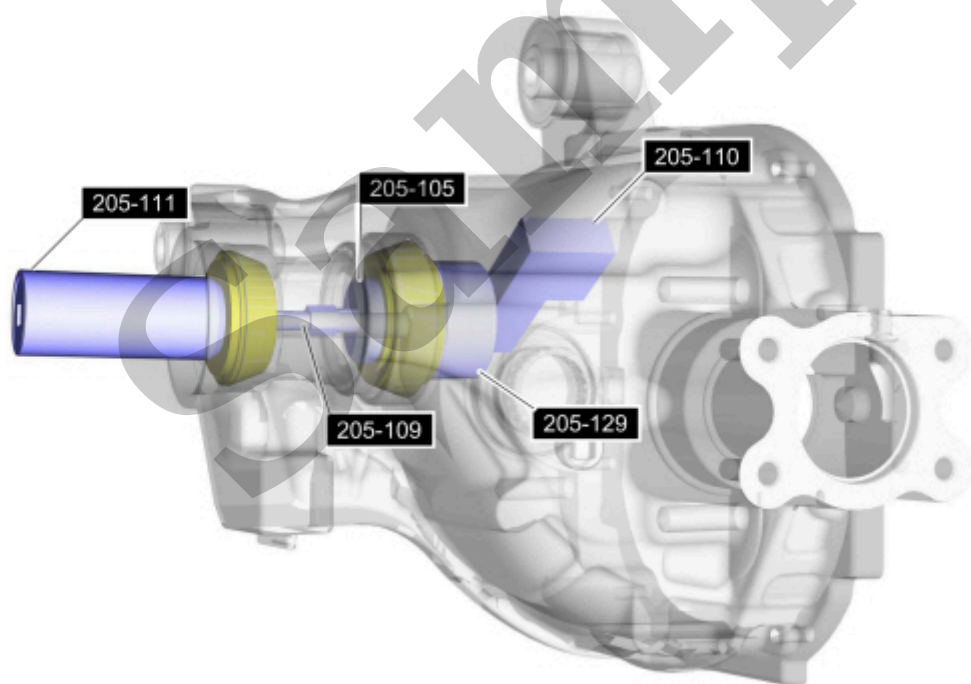
NOTE

Install new drive pinion bearings without any additional lubricant since the anti-rust oil provides adequate lubricant without upsetting the drive pinion bearing preload settings.

Assemble the special tools using the new inner and outer drive pinion bearings.

Use Special Service Tool : 205-105 (T76P-4020-A3) Adapter for 205-S127 , 205-109 (T76P-4020-A9) Adapter for 205-S127 , 205-110 (T76P-4020-A10) Gauge Block , 205-111 (T76P-4020-A11) Handle , 205-129 (T79P-4020-A18) Disc, Gauge

Torque : 19 lb.in (2.2 Nm)



E194182

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

5. Rotate the special tools several half turns to ensure correct seating of the drive pinion bearings.

Use Special Service Tool : 205-110 (T76P-4020-A10) Gauge Block

7. **NOTE**

Drive pinion bearing adjustment shims must be flat and clean.

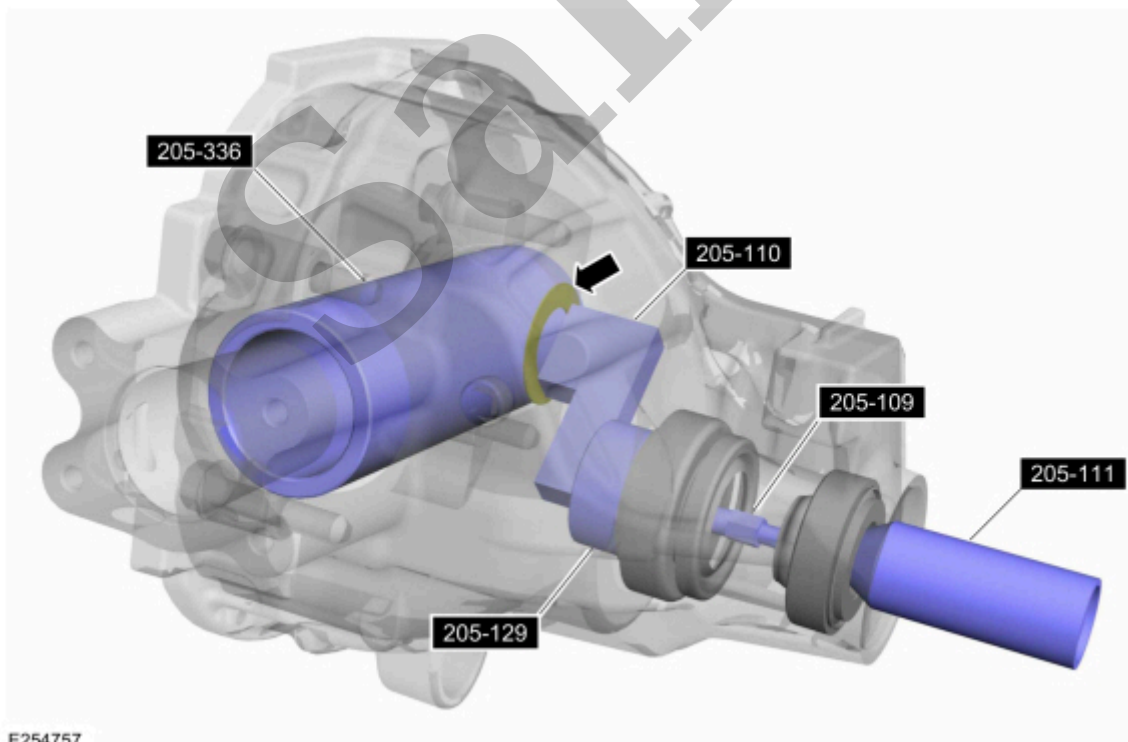
NOTE

A slight drag should be felt for correct drive pinion bearing adjustment shim selection. Do not attempt to force the drive pinion bearing adjustment shim between the gauge block and the gauge tube. This will minimize selection of a drive pinion bearing adjustment shim thicker than required, which results in a deep tooth contact in final assembly of integral axle assemblies.

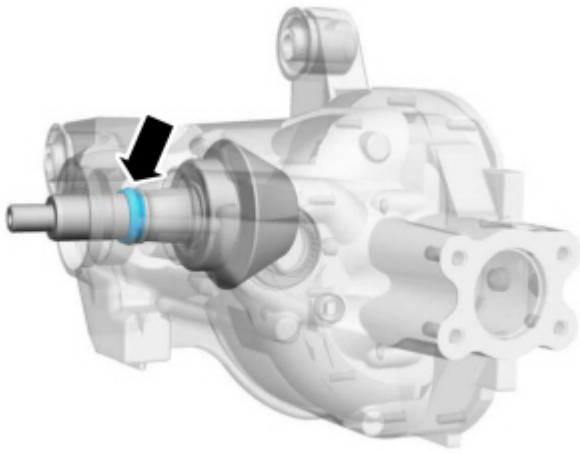
Use a drive pinion bearing adjustment shim as a gauge for drive pinion bearing adjustment shim selection.

- After the correct drive pinion bearing adjustment shim thickness has been determined, remove all of the Adapters.

Use Special Service Tool : 205-109 (T76P-4020-A9) Adapter for 205-S127 , 205-110 (T76P-4020-A10) Gauge Block , 205-111 (T76P-4020-A11) Handle , 205-129 (T79P-4020-A18) Disc, Gauge , 205-336 (T93P-4020-A) Gauge Tube, Drive Pinion



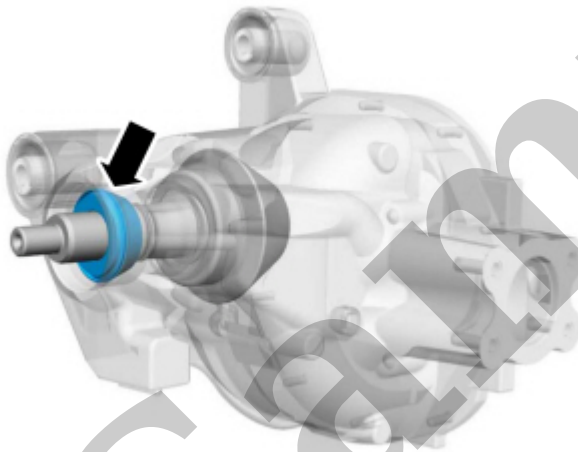
E254757



E194189

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

11. Install the outer drive pinion bearing.



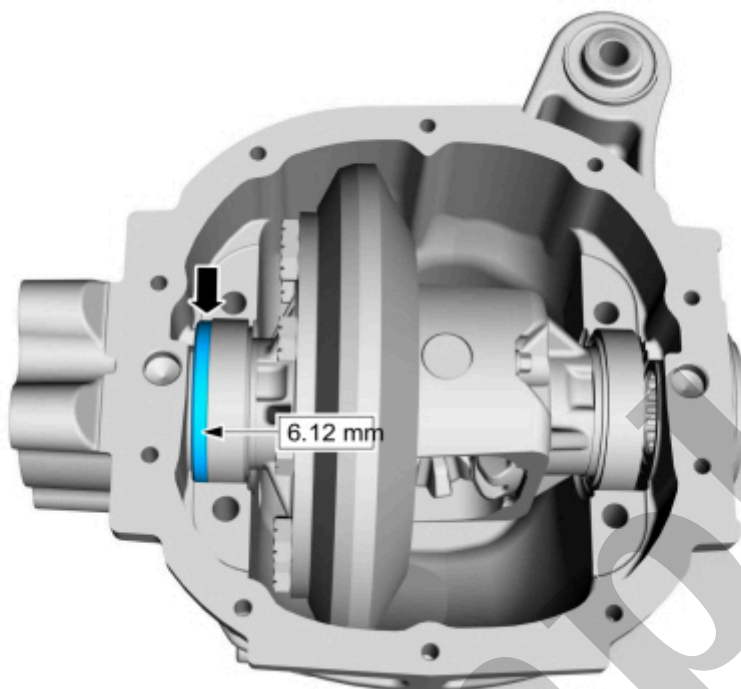
E194188

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

12. Install the outer drive pinion oil slinger.

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

15. Install a 6.12 mm (0.241 in) differential bearing shim on the LH (left-hand) side of the differential bearing.



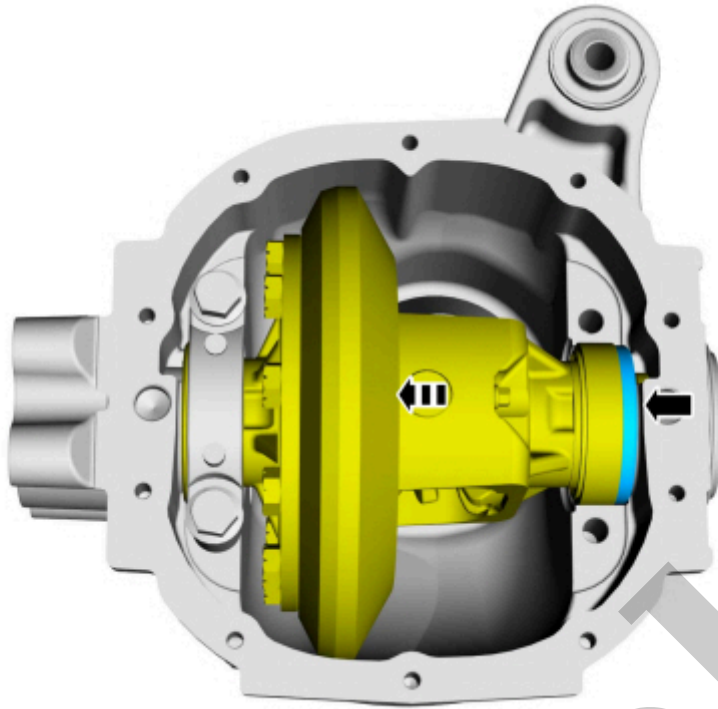
E194285

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

16. **NOTE**

Apply pressure toward the left side to make sure the left differential bearing cap is seated.

Install the LH (left-hand) differential bearing cap and loosely install the differential bearing cap bolts.

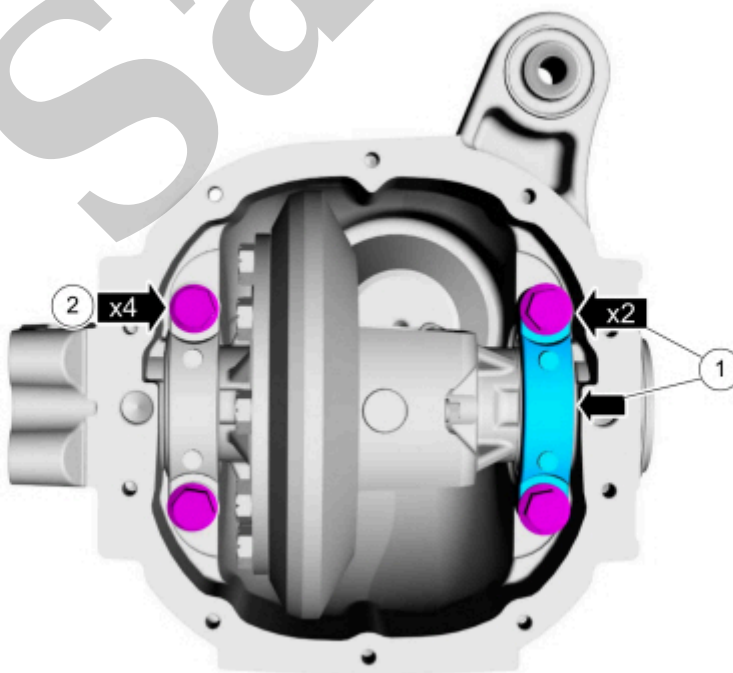


E194287

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

18. 1. Install the RH (right-hand) differential bearing cap and bolts.
2. Tighten the differential bearing cap bolts.

Torque : 77 lb.ft (105 Nm)



E194288