

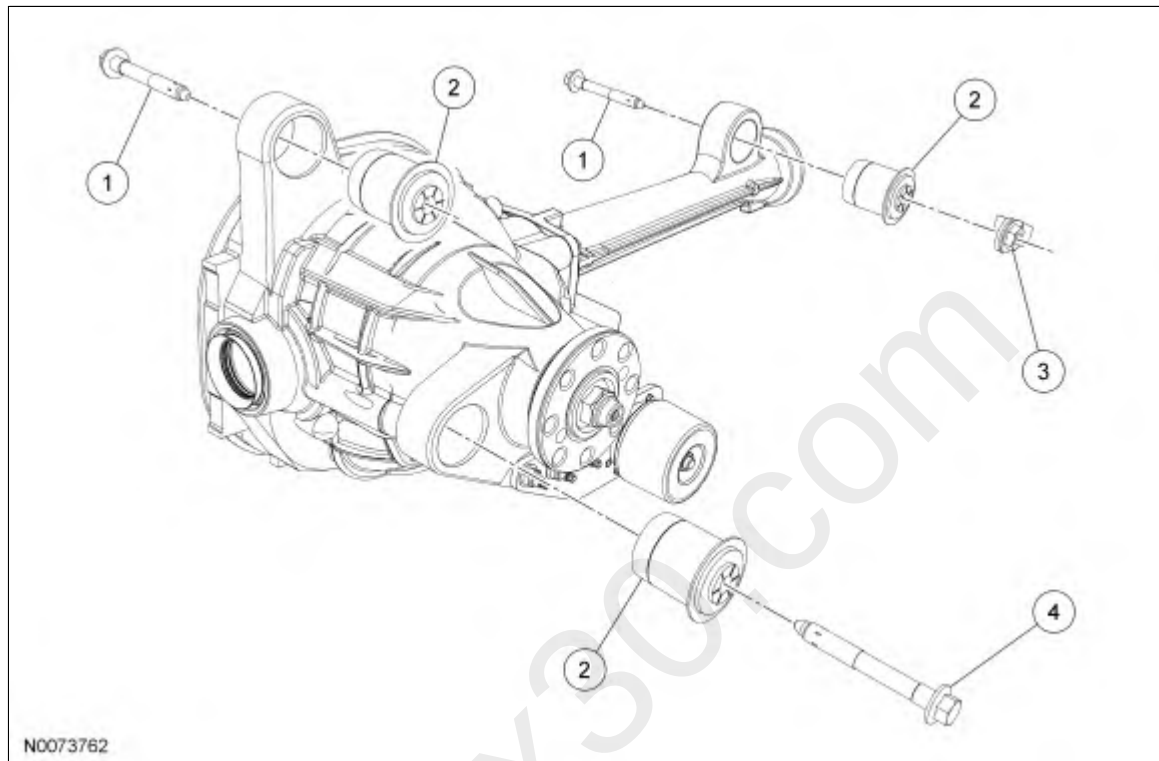
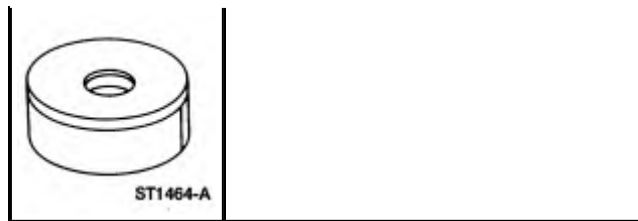
**SECTION 205-03: Front Drive Axle/Differential
REMOVAL AND INSTALLATION**

2014 F-150 Workshop Manual
Procedure revision date: 10/25/2013

Axle Carrier Bushing

Special Tool(s)

 ST1162-A	Installer, Front Axle Mounting Bushing Drawbolt 205-374 (T96T-5638-H)
 ST2586-A	Installer, Front Differential Mounting Bushing 204-187 (T95T-5638-AH)
 ST2265-A	Installer, Wheel Hub Dust Seal 205-289 (T89P-1249-A)
 ST1159-A	Remover, Front Axle Mounting Bushing Cup 205-371 (T96T-5638-E)
 ST1155-A	Remover, Front Axle Mounting Bushing 205-376 (T96T-5638-K)
 ST2587-A	Remover, Front Differential Housing Bushing 204-186 (T95T-5638-AH)
	Remover/Installer, Front Differential Housing Bushing 205-527/1



Item	Part Number	Description
1	W712724	Axle bushing bolts (2 required)
2	5638	Axle bushings (3 required)
3	W712723	Axle bushing flagnut
4	W712743	Axle bushing bolt

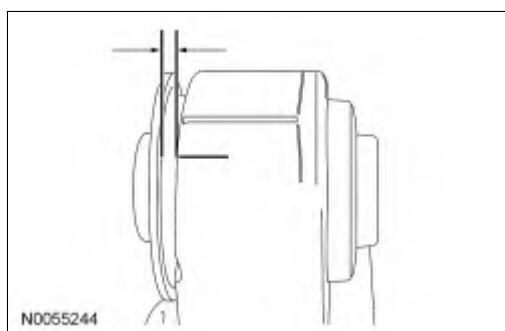
Removal

All bushings

1. **NOTE:** It is not necessary to remove the axle assembly from the jack.

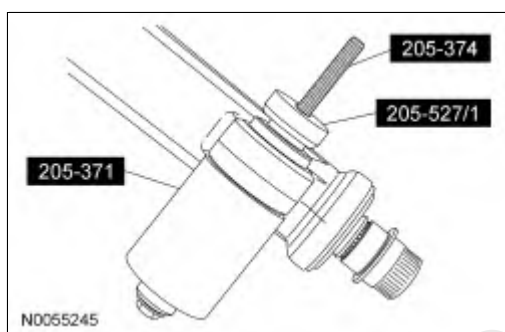
Remove the axle assembly. For additional information, refer to [Axle Assembly](#) in this section.

2. Measure and record the width of the gap between the bushing front lip and the housing. Mark the housing at the point where the measurement was taken.



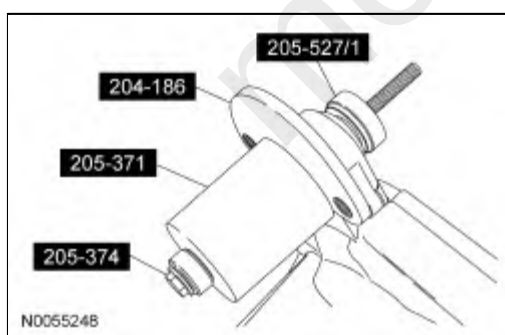
Axle tube bushing

3. Position the Front Axle Mounting Bushing Cup Remover, Front Differential Housing Bushing Remover/Installer and Front Axle Mounting Bushing Drawbolt Installer as shown. Turn in the drawbar to remove the bushing.



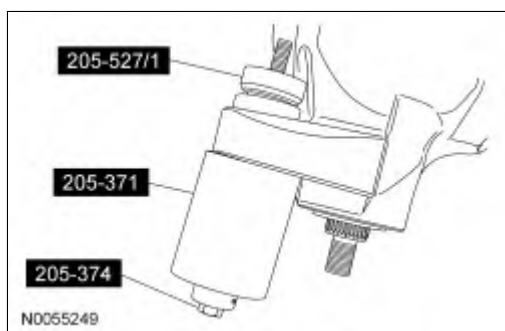
Rear housing bushing

4. Position the Front Differential Housing Bushing Remover, Front Axle Mounting Bushing Cup Remover, Front Differential Housing Bushing Remover/Installer and Front Axle Mounting Bushing Drawbolt Installer as shown. Turn in the drawbar to remove the bushing.



Front housing bushing

5. Remove the pinion flange. For additional information, refer to [Drive Pinion Flange and Seal](#) in this section.
6. Position the Front Axle Mounting Bushing Cup Remover, Front Differential Housing Bushing Remover/Installer and Front Axle Mounting Bushing Drawbolt Installer as shown. Turn in the drawbar to remove the bushing.



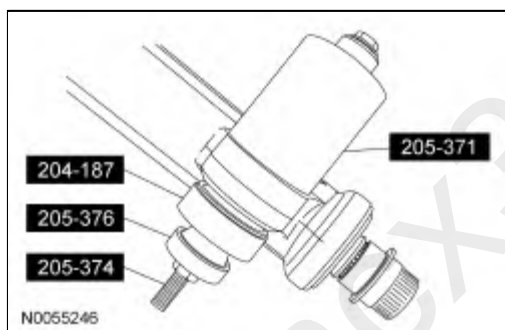
All bushings

7. Inspect the bushing bores for wear or damage.

Installation

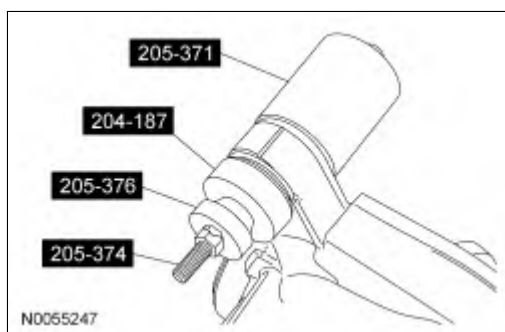
Axle tube bushing

1. Position the bushing and the Front Axle Mounting Bushing Remover, Front Differential Mounting Bushing Installer, Front Axle Mounting Bushing Cup Remover and Front Axle Mounting Bushing Drawbolt Installer as shown. Draw the bushing into the bushing bore to the same depth and point measured before removal.



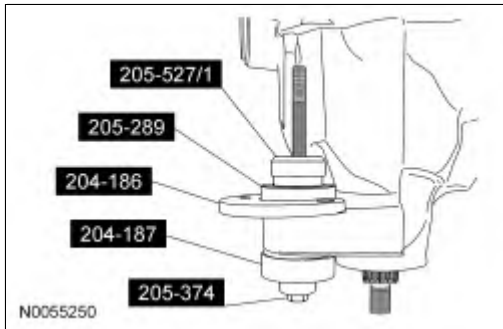
Rear housing bushing

2. Position the bushing and the Front Axle Mounting Bushing Remover, Front Differential Mounting Bushing Installer, Front Axle Mounting Bushing Cup Remover and Front Axle Mounting Bushing Drawbolt Installer as shown. Draw the bushing into the bushing bore to the same depth and point measured before removal.



Front housing bushing

3. Position the bushing and the Front Differential Housing Bushing Remover/Installer, Wheel Hub Dust Seal Installer, Front Differential Housing Bushing Remover, Front Differential Mounting Bushing Installer and Front Axle Mounting Bushing Drawbolt Installer as shown. Draw the bushing into the bushing bore to the same depth and point measured before removal.



4. Install the U-joint flange. For additional information, refer to [Drive Pinion Flange and Seal](#) in this section.

All bushings

5. Install the axle assembly. For additional information, refer to [Axle Assembly](#) in this section.
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