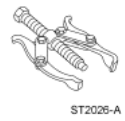




Drive Pinion Flange**Special Tool(s)**

 <p>ST2026-A</p>	2-Jaw Puller 205-D072 (D97L-4221-A) or equivalent
 <p>ST1257-A</p>	Holding Fixture, Drive Pinion Flange 205-126 (T78P-4851-A)
	Installer, Drive Pinion Flange 205-002 (TOOL-4858-E) or equivalent

Material

Item	Specification
SAE 75W-140 High Performance Rear Axle Lubricant F1TZ-19580-B or equivalent	WSL-M2C192-A

Removal**All vehicles**

1. Raise and support the vehicle. For additional information, refer to [Section 100-02](#).
2. **NOTE:** The rear wheels and brake drums/calipers must be removed to prevent brake drag during drive pinion bearing preload adjustment.

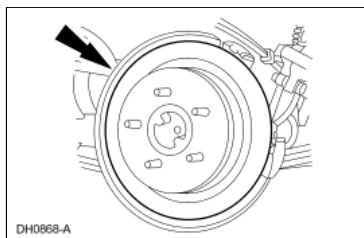
Remove the wheel and tire assembly. For additional information, refer to [Section 204-04](#).

Vehicles with drum brakes

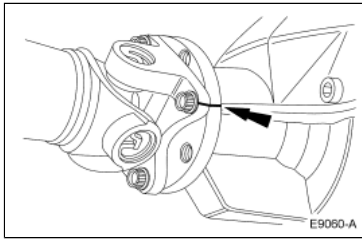
3. Remove the rear brake drums. For additional information, refer to [Section 206-02](#).

Vehicles with disc brakes

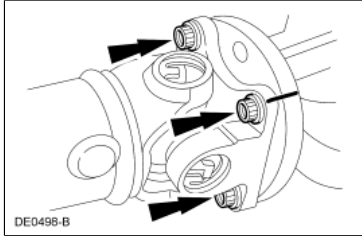
4. Remove the rear disc brake caliper. For additional information, refer to [Section 206-04](#).
 - Wire the rear disc brake caliper aside.
5. Remove the rear brake disc.



6. Mark the driveshaft flange and pinion flange for correct alignment during installation.



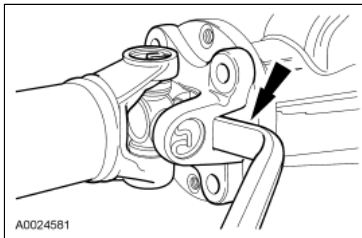
7. Remove the four driveshaft bolts.



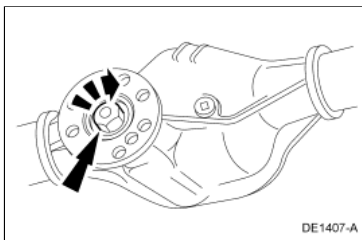
8. **⚠ CAUTION:** The driveshaft centering socket yoke fits tightly on the rear axle pinion flange pilot. Never hammer on the driveshaft or any of its components to disconnect the yoke from the flange. Pry only in the area shown with a suitable tool to disconnect the yoke from the flange.

Using a suitable tool as shown, disconnect the driveshaft centering socket yoke from the rear axle pinion flange.

- Position the driveshaft out of the way.

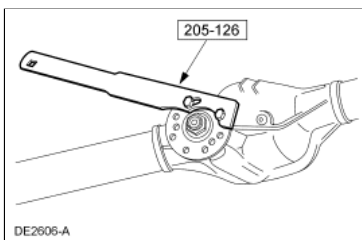


9. Install an inch-pound torque wrench on the pinion nut and record the torque required to maintain rotation of the pinion through several revolutions.

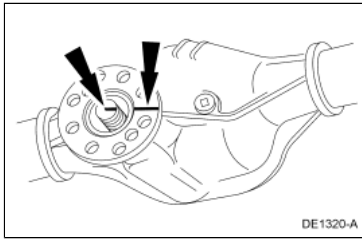


10. **⚠ CAUTION:** After removal of the pinion nut, discard it. A new nut must be used for installation.

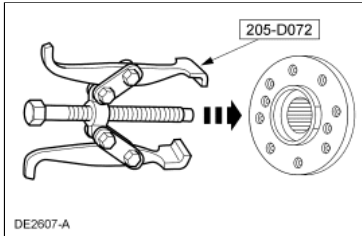
Using the special tool, hold the pinion flange and remove the pinion nut.



11. Mark the pinion flange in relation to the drive pinion stem to make sure of correct alignment during installation.



12. Using the special tool, remove the pinion flange.

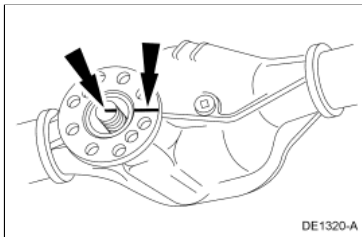


Installation

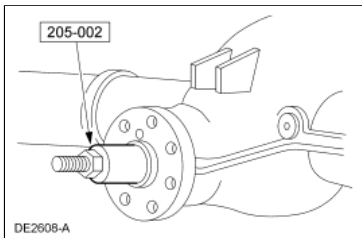
All vehicles

1. Lubricate the pinion flange splines with rear axle lubricant.
2. **NOTE:** Disregard the scribe marks if a new pinion flange is being installed.

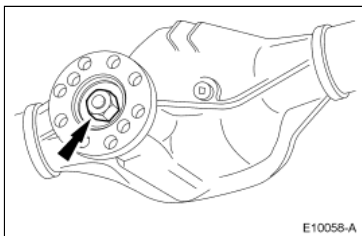
Align the pinion flange with the drive pinion shaft.



3. With the drive pinion in place in the rear axle housing, install the pinion flange using the special tool.



4. Position the new pinion nut.

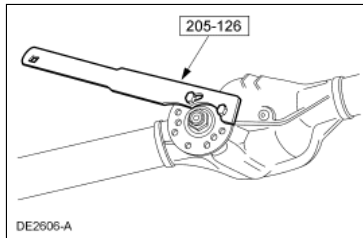


5. **CAUTION:** Under no circumstances is the pinion nut to be backed off to reduce preload. If reduced preload is required, a new collapsible spacer and pinion nut must be installed.

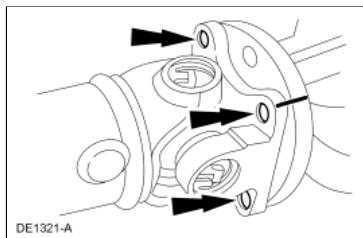
CAUTION: Remove the special tool while taking preload readings with the Nm (inch-pound) torque wrench.

Using the special tool hold the pinion flange, tighten the pinion nut.

- Rotate the pinion occasionally to make sure the cone and roller bearings are seating correctly.
- Install a Nm (inch-pound) torque wrench on the pinion nut.
- Rotating the pinion through several revolutions, take frequent cone and roller bearing torque preload readings until the original recorded preload reading is obtained.
- If the original recorded preload is lower than specifications, tighten to the appropriate specifications for used bearings. If the preload is higher than specification, tighten the nut to the original reading as recorded. For additional information, refer to Torque Specifications in this section.

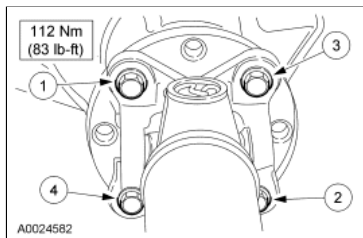


6. Position the rear driveshaft and align the marks on the pinion flange.



7. **CAUTION:** The driveshaft centering socket yoke fits tightly on the rear axle pinion flange pilot. To make sure that the yoke seats squarely on the flange, tighten the bolts evenly in a cross pattern as shown.

Install the bolts.

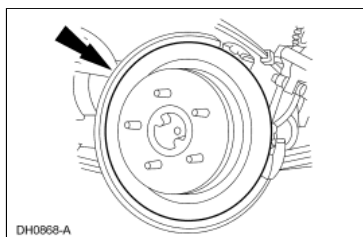


Vehicles with drum brakes

8. Install the rear brake drums. For additional information, refer to [Section 206-02](#).

Vehicles with disc brakes

9. Install the rear brake disc.



10. Install the rear disc brake caliper. For additional information, refer to [Section 206-04](#).

