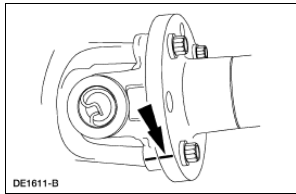
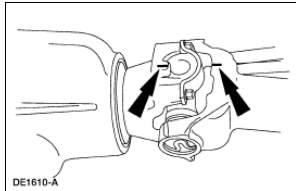


SECTION 205-01: Driveshaft 2000 F-Super Duty/Excursion/Motorhome Chassis Workshop Manual
REMOVAL AND INSTALLATION

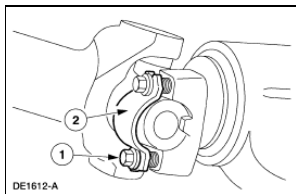
Driveshaft Front

Removal

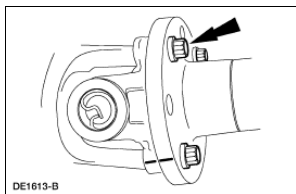
1. Raise and support the vehicle. For additional information, refer to [Section 100-02](#).
2. Index-mark the front driveshaft to the front axle flange and at the transfer case flange.



3. Remove and discard the fasteners.
 1. Remove and discard the bolts.
 2. Remove and discard the U-joint retainers.



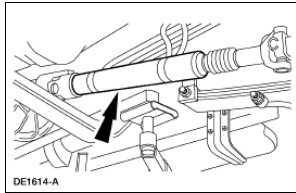
4. Remove and discard the four bolts.



5. **NOTE:** Wrap electrical tape around the bearing cups to prevent them from falling off the U-joint spider.

Remove the front driveshaft.

- Compress and separate the front driveshaft from the front axle, then separate the driveshaft from the transfer case.



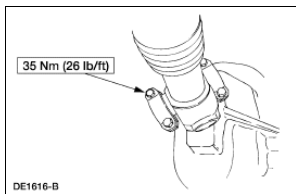
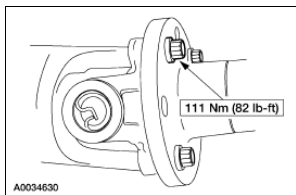
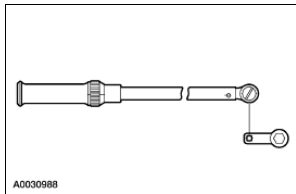
Installation

1. **NOTE:** Install the front driveshaft with the index marks aligned.

NOTE: An extension must be used to tighten the driveshaft to transfer case bolts. Extensions change the calibration of the torque wrench. Use the torque wrench manual to calculate the correct settings.

NOTE: Install new bolts and retainers.

To install, reverse the removal procedure.



Driveshaft Rear, One-Piece, 4x2 With 137-Inch and 141-Inch Wheel Base

Removal

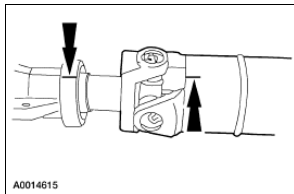
All vehicles

1. Raise and support the vehicle. For additional information, refer to [Section 100-04](#).

Vehicle with automatic transmission

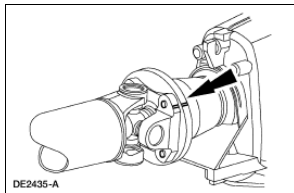
2.  **CAUTION: Do not allow the output shaft to turn.**

Index-mark the driveshaft (4602) and the transmission extension housing.



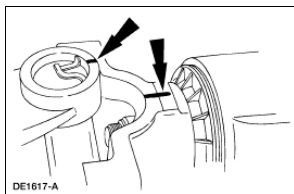
Vehicle with manual transmission

3. Index-mark the driveshaft yoke and the transmission flange.

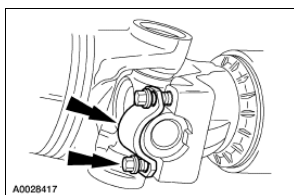


All vehicles, except Excursion

4. Index-mark the driveshaft and the rear axle pinion flange.

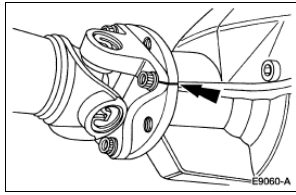


5. Remove and discard the four bolts and the two U-joint retainers.

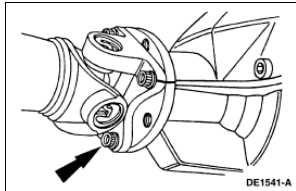


Excursion

6. Index-mark the driveshaft yoke and the rear axle pinion flange.

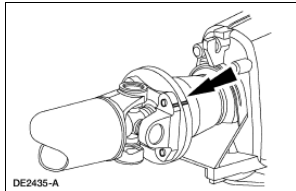


7. Remove and discard the four bolts.



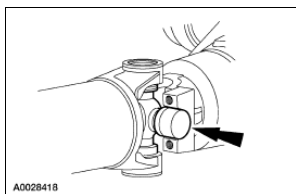
Vehicle with manual transmission

8. Remove and discard the four bolts.



All vehicles, except Excursion

9. Disconnect the driveshaft from the rear axle pinion flange. For manual transmission, remove the driveshaft from the vehicle. For automatic transmission, lower the driveshaft and slide it rearward off the transmission output shaft.
- Tape the bearing cups to the spider to keep them from falling off the spider.
 - Plug the automatic transmission extension housing to prevent fluid loss.

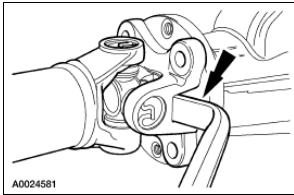


Excursion

10. **⚠ CAUTION: The driveshaft 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 yoke from the rear axle pinion flange. For manual transmission, remove the driveshaft from the vehicle. For automatic transmission, lower the driveshaft and slide it rearward off the transmission output shaft.

- Plug the automatic transmission extension housing to prevent fluid loss.

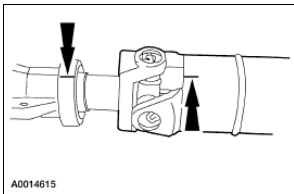


Installation

Vehicle with automatic transmission

1. Lubricate the slip-yoke spline.
 - Use Premium Long-Life Grease XG-1-C or equivalent meeting Ford specification ESA-M1C75-B.
2. Remove the plug from the extension housing.
3. **⚠ CAUTION: Align the index marks.**

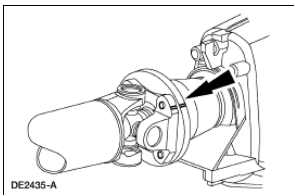
Slide the driveshaft slip-yoke on the transmission output shaft.



Vehicle with manual transmission

4. **⚠ CAUTION: Align the index marks.**

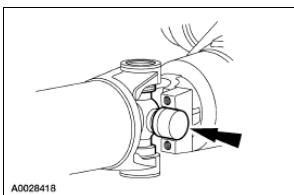
Position the driveshaft yoke on the transmission flange.



All vehicles, except Excursion

5. Remove the tape from the bearing cups.
6. **⚠ CAUTION: Align the index marks.**

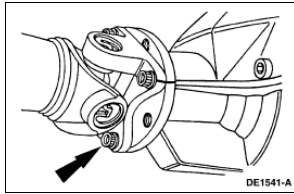
Position the bearing cups in the rear axle pinion flange.



Excursion

7. **⚠ CAUTION: Align the index marks.**

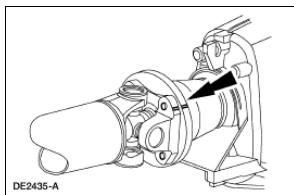
Position the driveshaft yoke on the rear axle pinion flange, and loosely install the four new bolts.



Vehicle with manual transmission

8. **⚠ CAUTION: Install new bolts.**

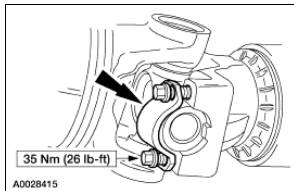
Loosely install the four new bolts.



All vehicles, except Excursion

9. **⚠ CAUTION: Install new bolts and new retainers.**

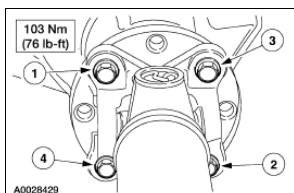
Install the two new retainers and four new bolts.



Excursion

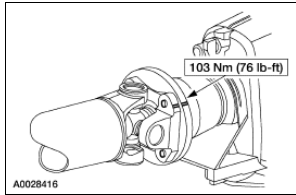
10. **⚠ CAUTION: The driveshaft yoke fits tightly on the rear axle pinion flange pilot. To make sure that the yoke seats squarely on the flange, tighten the bolts evenly in a cross pattern as shown.**

Tighten the four new bolts.



Vehicles with manual transmission

11. Tighten the four bolts.



All vehicles

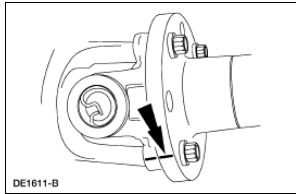
12. Lower the vehicle.
-

Driveshaft Rear, One-Piece, 4x4 With 137-, 141- and 142-Inch Wheel Base

Removal

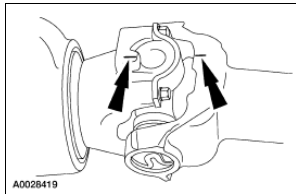
All vehicles

1. Raise and support the vehicle. For additional information, refer to [Section 100-04](#) .
2. Index-mark the driveshaft yoke and the transfer case flange.

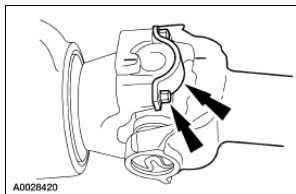


All vehicles, except Excursion

3. Index-mark the driveshaft and the rear axle pinion flange.

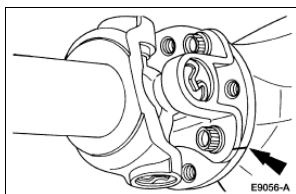


4. Remove and discard the four bolts and the two U-joint retainers.

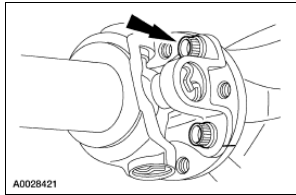


Excursion

5. Index-mark the driveshaft yoke and the rear axle pinion flange.

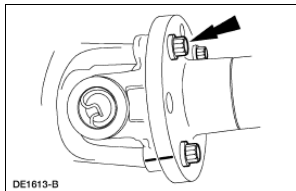


6. Remove and discard the four bolts.



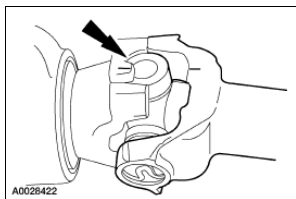
All vehicles

7. Remove and discard the four bolts.



All vehicles, except Excursion

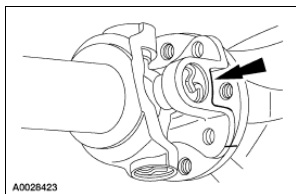
8. Disconnect the driveshaft from the rear axle pinion flange, and remove the driveshaft from the vehicle.
 - Tape the bearing cups to the spider to keep them from falling off the spider.



Excursion

9. **⚠ CAUTION:** The driveshaft 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 slot on each side of the driveshaft yoke, with a suitable tool, to disconnect the yoke from the flange.

Using a suitable tool, disconnect the driveshaft yoke from the rear axle pinion flange, and remove the driveshaft from the vehicle.

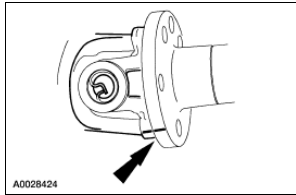


Installation

All vehicles

1. **⚠ CAUTION:** Align the index marks.

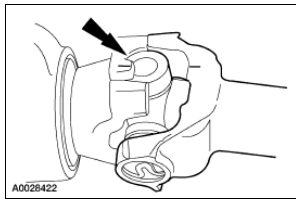
Position the driveshaft yoke on the transfer case flange.



All vehicles, except Excursion

2. Remove the tape from the bearing cups.
3. **⚠ CAUTION: Align the index marks.**

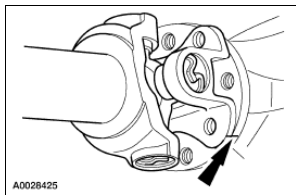
Position the bearing cups in the rear axle pinion flange.



Excursion

4. **⚠ CAUTION: Align the index marks.**

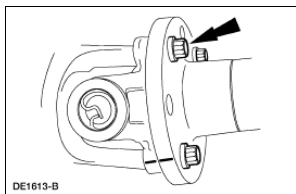
Position the driveshaft yoke on the rear axle pinion flange.



All vehicles

5. **⚠ CAUTION: Install new bolts.**

Loosely install the four new bolts.



All vehicles, except Excursion

6. **⚠ CAUTION: Install new bolts and new retainers.**

Install the two new retainers and four new bolts.