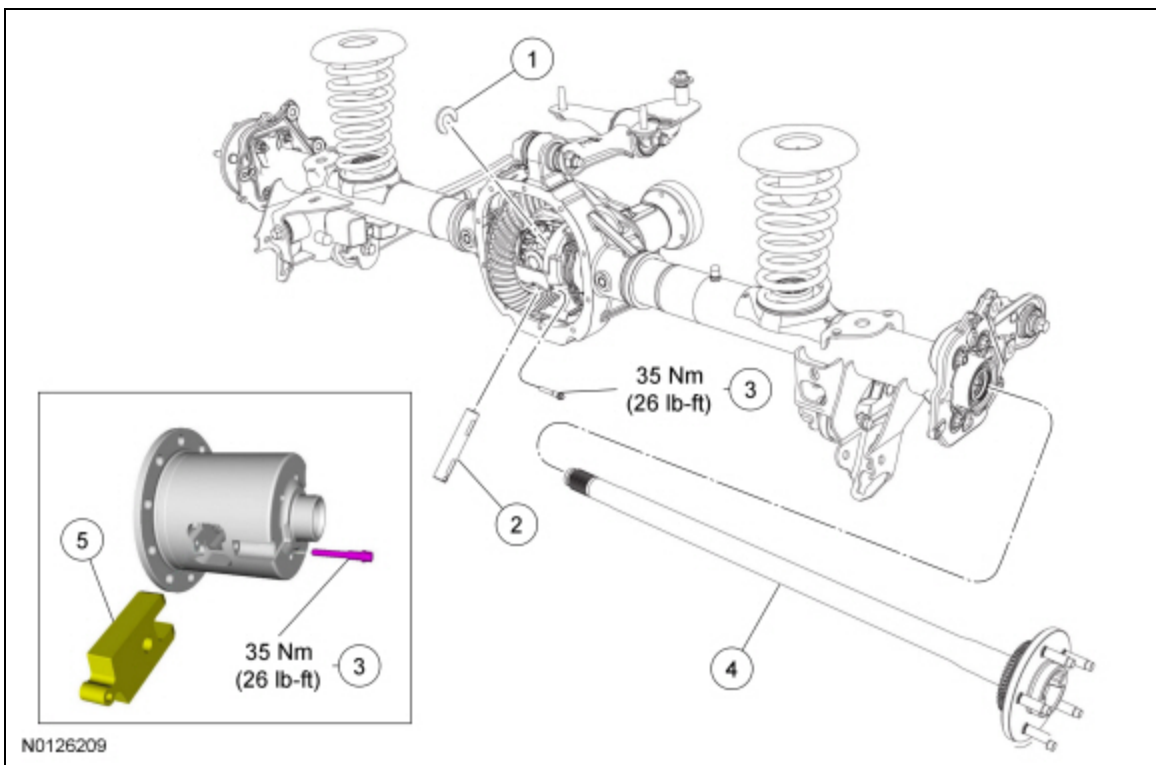


Axle Shaft

Material

Item	Specification
Motorcraft® Premium Long-Life Grease XG-1-E1	ESA-M1C75-B

Traction-Lok® differential shown Torsen® differential similar



Item	Part Number	Description
1	4N237	Axle shaft U-washer
2	4211	Differential pinion shaft (Traction-Lok®)
3	4241	Differential pinion shaft lock bolt
4	4234	Axle shaft
5	—	Differential thrust plate (Torsen®)

Removal

All Differentials

1. Remove the differential housing cover. Refer to [Differential Housing Cover](#) in this section.
2. Remove the rear brake disc. Refer to [Section 206-04](#).
3. **NOTICE: Damage to the rear wheel speed sensor may occur if it is not removed before the axle shaft U-washer.**

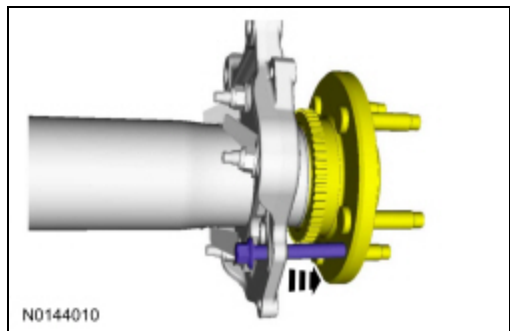
Remove the bolt and position the rear wheel speed sensor aside.

Traction-Lok® Differentials

4. **NOTE:** Bolt must be against axle shaft flange. Do not allow the bolt to press against the head of the wheel studs.

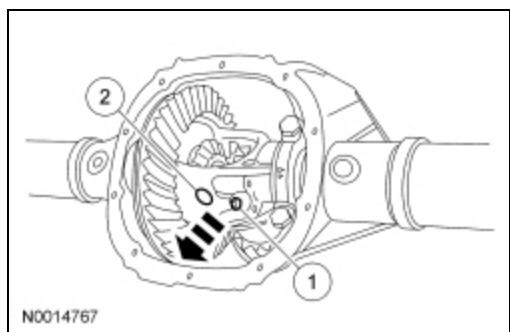
If no S-spring is present, use a M8-1.25 X 75mm class PC 8.8 HF bolt threaded into the wheel speed sensor bolt threads and push the axle outward.

- Tighten bolt to a maximum of 12 Nm (106 lb-in).

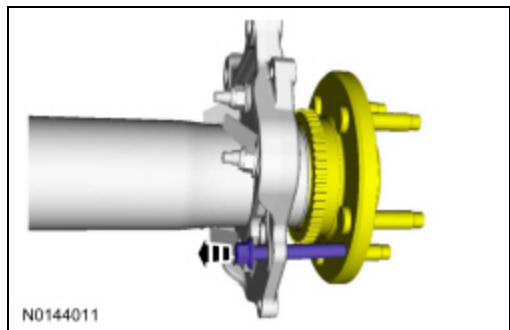


5. Remove the differential pinion shaft.

1. Remove and discard the differential pinion shaft lock bolt.
2. Remove the differential pinion shaft.



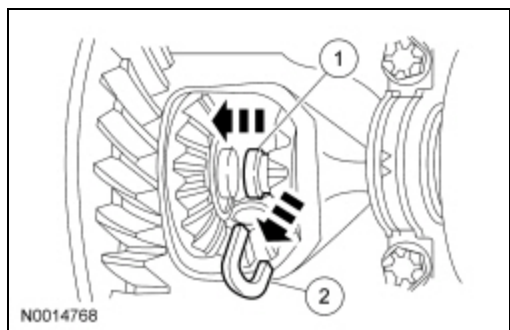
6. If equipped, remove the previously installed M8-1.25 X 75mm bolt .



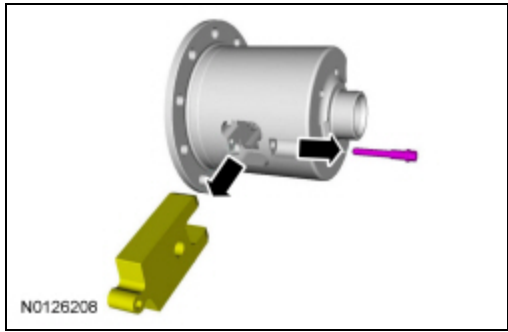
7. **NOTICE:** Do not damage the rubber O-ring in the axle shaft grooves.

Remove the axle shaft U-washer.

1. Push in on the axle shaft.
2. Remove the U-washer.



8. Remove the differential thrust plate.
 1. Remove the differential thrust plate lock bolt.
 2. Remove the differential thrust plate.



9. **NOTICE: Do not remove axles at this time or damage may occur.**

NOTICE: Do not damage the rubber O-ring in the axle shaft grooves.

Remove the axle shaft U-washer.

1. Gently push in on the axle shaft.
2. Remove the U-washer.

10. **NOTICE: Do not remove axles from differential at this time or damage may occur.**

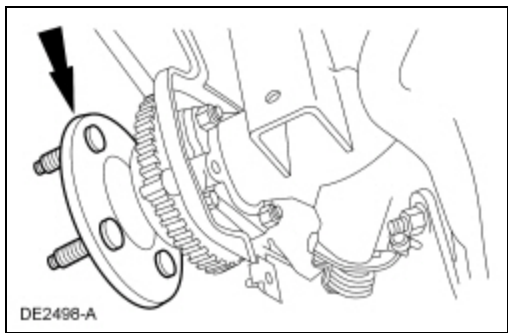
Install the differential thrust plate.

1. Gently remove the axles just enough to install the differential thrust plate.
2. Install the differential thrust plate.
3. Install the differential thrust plate lock bolt.

All Differentials

11. **NOTICE: Do not damage the axle shaft oil seal.**

Remove the axle shaft.

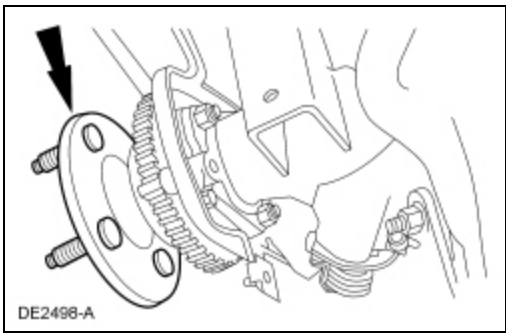


Installation

All Differentials

1. Lubricate the lip of the axle shaft oil seal with grease.
2. **NOTICE: Do not damage the axle shaft oil seal when installing the axle shaft.**

Install the axle shaft.

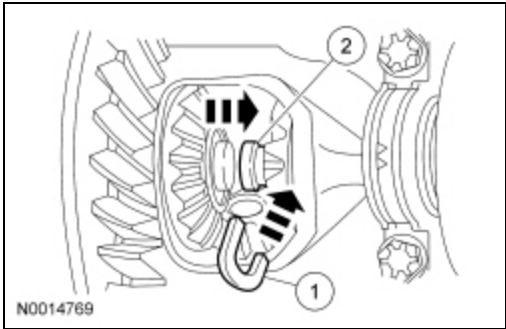


Traction-Lok® Differentials

3. NOTICE: Do not damage the rubber O-ring in the U-washer groove.

Install the axle shaft U-washer.

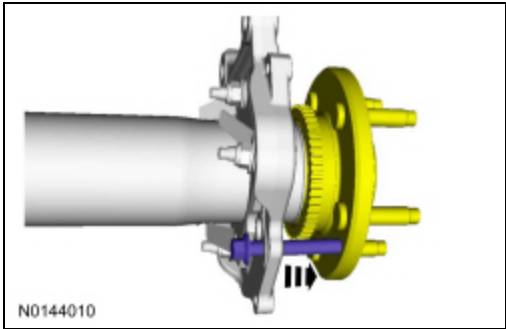
1. Position the U-washer on the button end of the axle shaft.
2. Pull the axle shaft outward.



4. NOTE: Bolt must be against axle shaft flange. Do not allow the bolt to press against the head of the wheel studs.

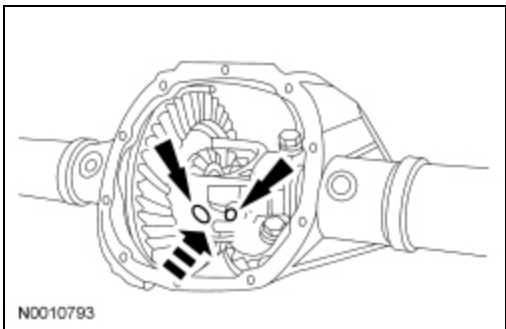
If no S-spring is present, use a M8-1.25 X 75mm class PC 8.8 HF bolt threaded into the wheel speed sensor bolt threads and push the axle outward.

- Tighten bolt to a maximum of 12 Nm (106 lb-in).

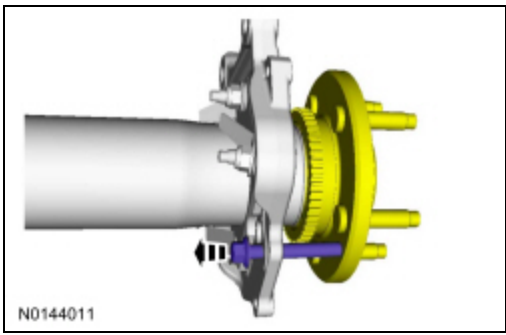


5. Install the differential pinion shaft.

- Align the hole in the differential pinion shaft with the differential case lock bolt hole.
- Install a new differential pinion shaft lock bolt.
 - Tighten to 35 Nm (26 lb-ft).



6. If no S-spring is present, remove the previously installed M8-1.25 X 75mm bolt .

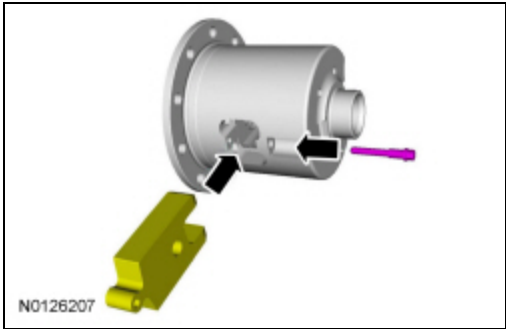


Torsen® Differential

7. NOTICE: Use caution when moving the axles or damage may occur.

Remove the differential thrust plate.

1. Remove and discard the differential thrust plate lock bolt.
2. Remove the differential thrust plate.



8. NOTICE: Use caution when moving the axles or damage may occur.

NOTICE: Do not damage the rubber O-ring in the axle shaft grooves.

Install the axle shaft U-washer.

1. Gently push in on the axle shaft.
2. Install the U-washer.
3. Gently pull the axle shaft outward.

9. NOTICE: Do not remove axles from differential at this time or damage may occur.

Install the differential thrust plate.

1. Install the differential thrust plate.
2. Install the new differential thrust plate lock bolt.
 - Tighten to 35 Nm (26 lb-ft).

All Differentials

10. Position the rear wheel speed sensor and install the bolt.
 - Tighten to 15 Nm (133 lb-in).

11. Install the rear brake disc. Refer to [Section 206-04](#).

12. Install the differential housing cover. Refer to [Differential Housing Cover](#) in this section.

