








Rear Axle Differential Cover, Axle Shaft, Oil Seal, and Rear Wheel Bearing

[Printable View \(374 KB\)](#)

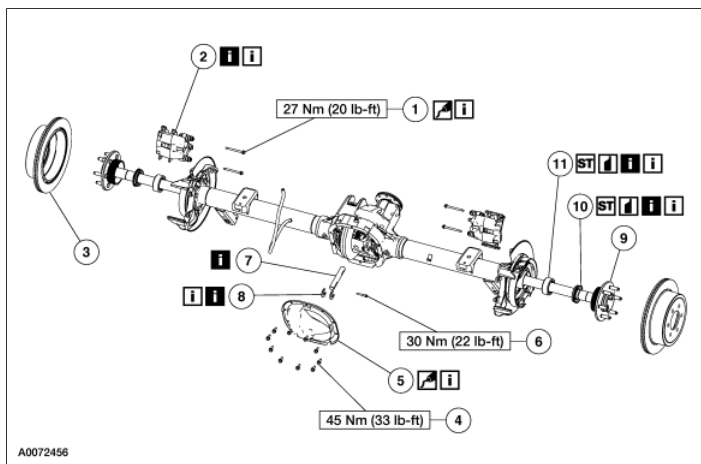
Special Tool(s)

 ST1283-A	Remover, Axle Bearing-8.8 inch 205-193 (T83T-1225-A)
 ST1283-A	Remover, Axle Bearing-9.75/10.25 inch 205-224 (T85T-1225-AH)
 ST2027-A	Installer, Axle Oil Seal 205-381 (T97T-1177-A)
 ST1322-A	Installer, Axle Bearing-8.8/9.75 inch 205-194 (T83T-1225-B)
 ST1879-A	Installer, Rear Axle Bearing-10.25 inch 205-154 (T80T-4000-X)
 ST1326-A	Adapter for 303-224 (Handle) 205-153 (T80T-4000-W)
 ST1185-A	Slide Hammer 100-001 (T50T-100-A)

Material

Item	Specification
Premium Long Life Grease XG-1-C	ESA-M1C75-B
SAE 75W-140 High Performance Rear Axle Lubricant XY-75W140-QL	WSL-M2C192-A
Clear Silicone Rubber D6AZ-19562-AA	ESB-M4G92-A
Silicone Brake Caliper Grease and Dielectric Compound D7AZ-19A331-A	ESE-M1C171-A

1. With the vehicle in NEUTRAL, position on a hoist. For additional information, refer to [Section 100-00](#).
2. Remove the rear wheel and tire assembly. For additional information, refer to [Section 204-00](#).
3. Remove the parts in the order indicated in the following illustration and table.



Item	Part Number	Description
1	N807146-S101	Rear disc brake caliper bolts Installation Note
2	2552	Rear disc brake caliper
3	2C026	Rear brake disc
4	4346	Differential housing cover bolts
5	4033	Differential housing cover Installation Note
6	4241	Differential pinion shaft lock bolt
7	4211	Differential pinion shaft Removal Note
8	4N237	U-washer
9	4234	Rear axle shaft
10	1177	Wheel bearing oil seal
11	1225	Axle shaft bearing

- To install, reverse the removal procedure.
- Fill the axle with the specified quantity of the specified lubricant. For additional information, refer to the Specifications in this section.

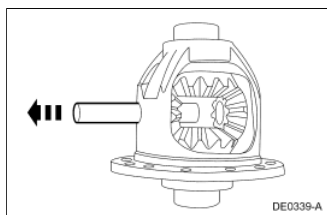
Item 2: Rear Disc Brake Caliper Removal Note

- CAUTION: Do not allow the caliper to hang from the brake hose. Provide a suitable support.**

Position the rear disc brake caliper aside. For additional information, refer to [Section 206-00](#).

Item 7: Differential Pinion Shaft Removal Note

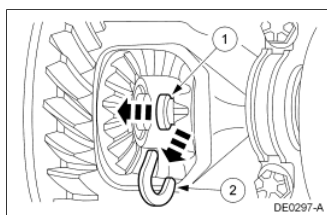
- Move the differential pinion shaft out far enough to remove the U-washers. Replace the shaft and install the lock bolt finger tight when U-washers are removed.



Item 8: U-washer Removal Note

- CAUTION: Do not damage the rubber O-rings in the axle shaft grooves.**

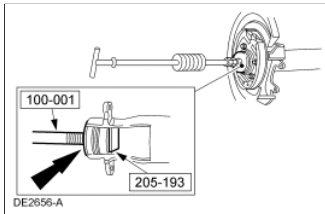
Remove the U-washers.
 1. Push the axle shafts inboard.
 2. Remove the U-washers.



Item 10 and 11: Wheel Bearing Oil Seal and Axle Shaft Bearing Removal Note

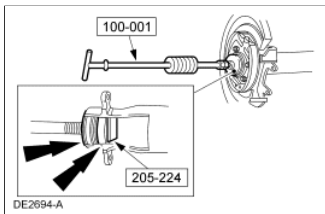
1. **⚠ CAUTION: Never remove the wheel bearing oil seal by itself. Always remove the wheel bearing oil seal and the rear wheel bearing at the same time.**

For the 8.8 inch rear axle, use the special tools to remove the rear wheel bearing and wheel bearing oil seal.

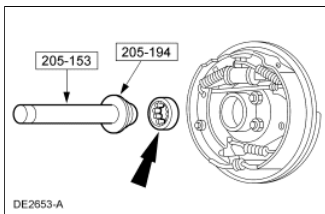


2. **⚠ CAUTION: Never remove the wheel bearing oil seal by itself. Always remove the wheel bearing oil seal and the rear wheel bearing at the same time.**

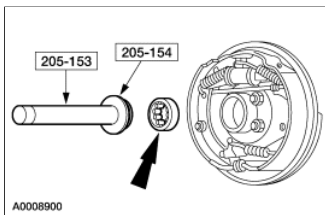
For the 9.75 inch and the 10.25 inch rear axles, use the special tools to remove the rear wheel bearing and wheel bearing oil seal.

**Item 11: Axle Shaft Bearing Installation Note**

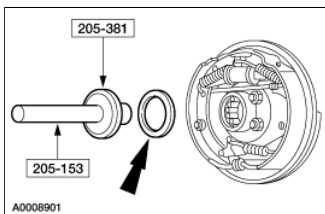
1. For the 8.8 inch and the 9.75 inch rear axles, use the special tools to install the rear axle wheel bearing.



2. For the 10.25 inch rear axle, use the special tools shown to install the rear axle wheel bearing.

**Item 10: Wheel Bearing Oil Seal Installation Note**

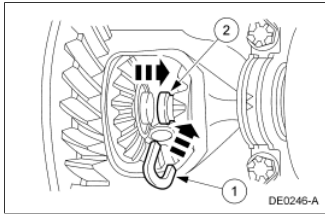
1. Use the special tools shown to install the rear wheel bearing oil seal.

**Item 8: U-washer Installation Note**

1. **⚠ CAUTION: Do not damage the rubber O-rings in the U-washer grooves.**

Install the U-washers.

1. Position the two U-washers on the button end of the axle shafts.
2. Pull the axle shafts outward.

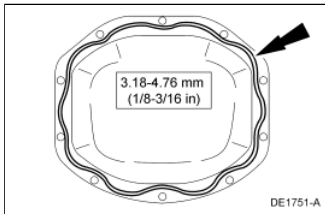


Item 5: Differential Housing Cover Installation Note

1. **NOTE:** Clean the gasket mating surface of the rear axle and the differential housing cover.

NOTE: The differential housing cover must be installed within 15 minutes of application of the silicone, or new sealant must be applied. If possible, allow one hour before filling with lubricant to make sure the silicone sealant has correctly cured.

Apply a continuous bead of sealant to the differential housing cover.



Item 2: Rear Disc Brake Caliper Installation Note

1. Make sure the stainless steel shoe slippers are correctly positioned.

Item 1: Rear Disc Brake Caliper Bolts Installation Note

1. **NOTE:** When installed, the locator notch on the brake pads will be located at the upper end of the rear disc brake caliper.

Install the rear disc brake caliper.

