

205-02 Rear Drive Axle/Differential - Vehicles With: Dana M220
Removal and Installation

2019 Ranger
Procedure revision date: 11/27/2018

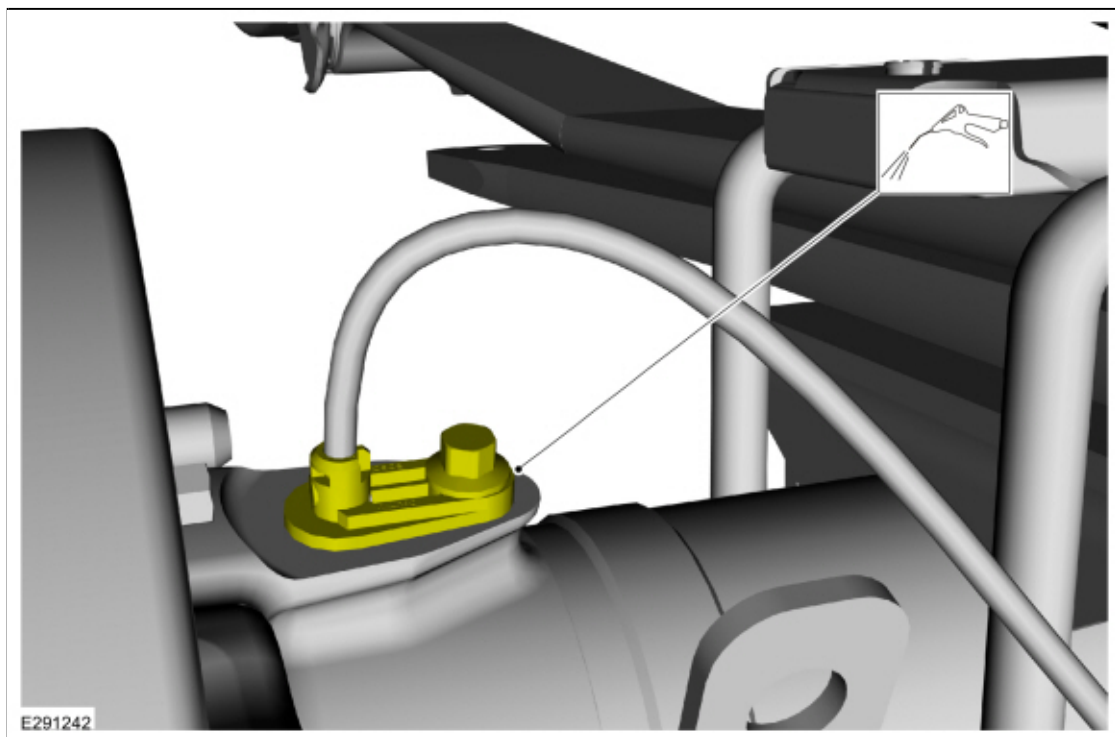
Axle Shaft

Materials

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

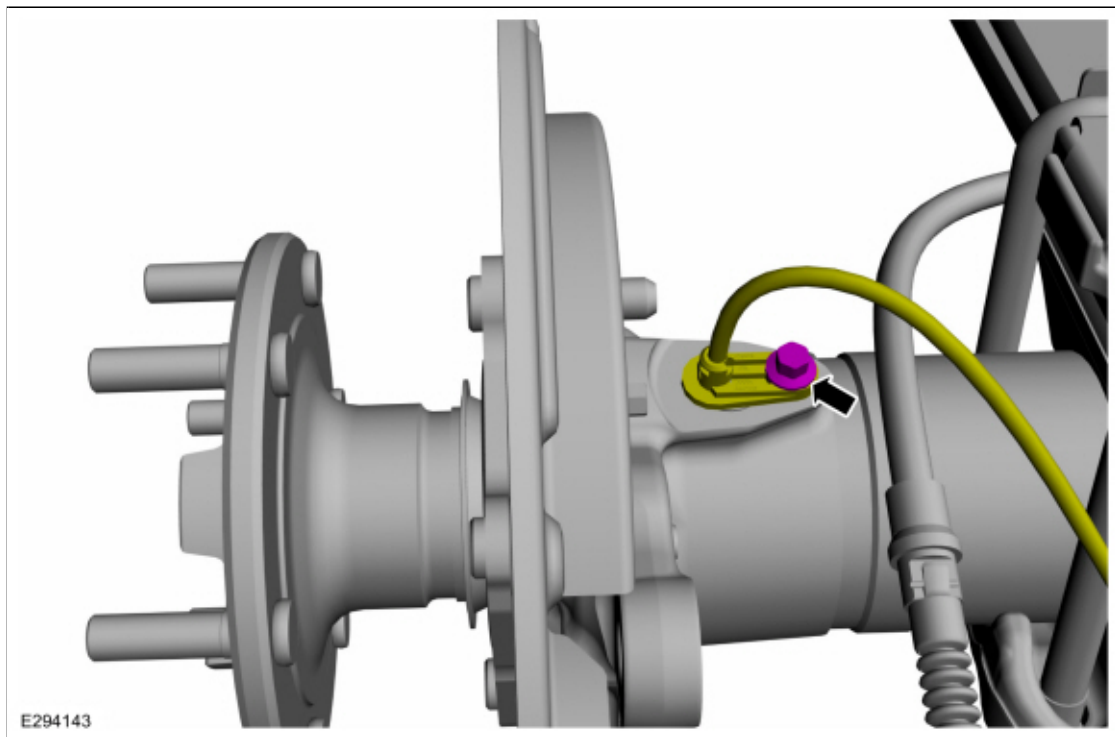
Removal

1. Remove the rear brake disc.
Refer to: [Brake Disc](#) (206-04 Rear Disc Brake, Removal and Installation).
2. Using compressed air, clean the area surrounding the rear wheel speed sensor.



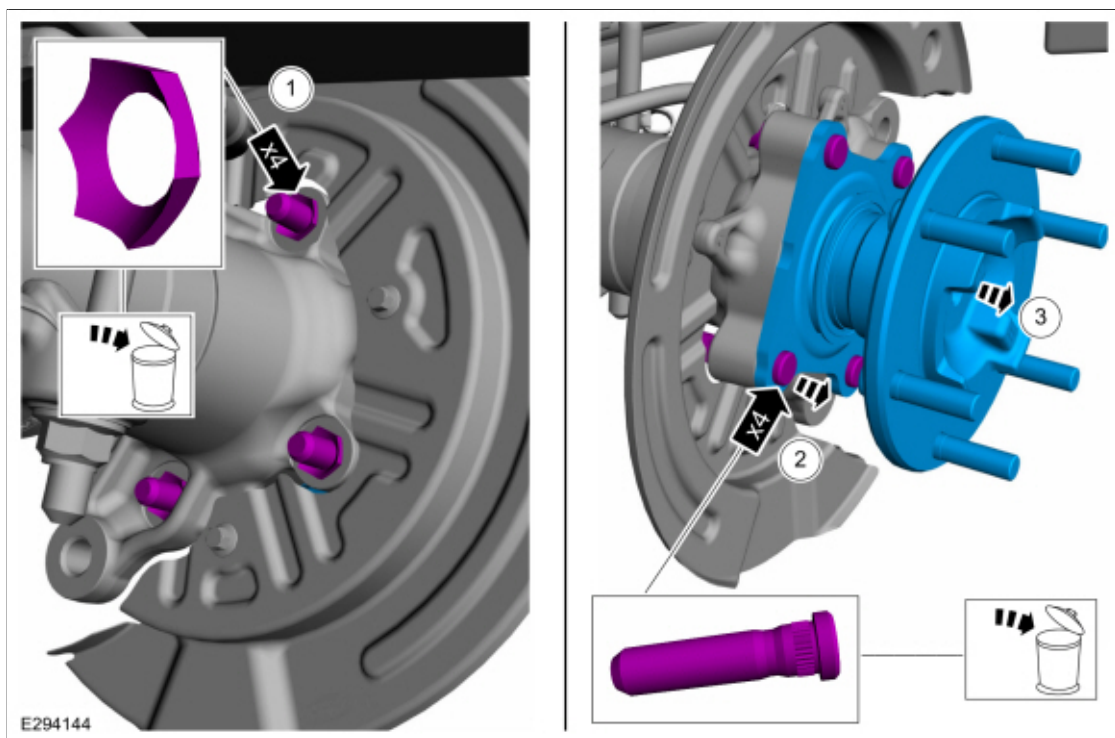
3. **NOTICE:** Take extra care not to damage the wiring harnesses.

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



4.

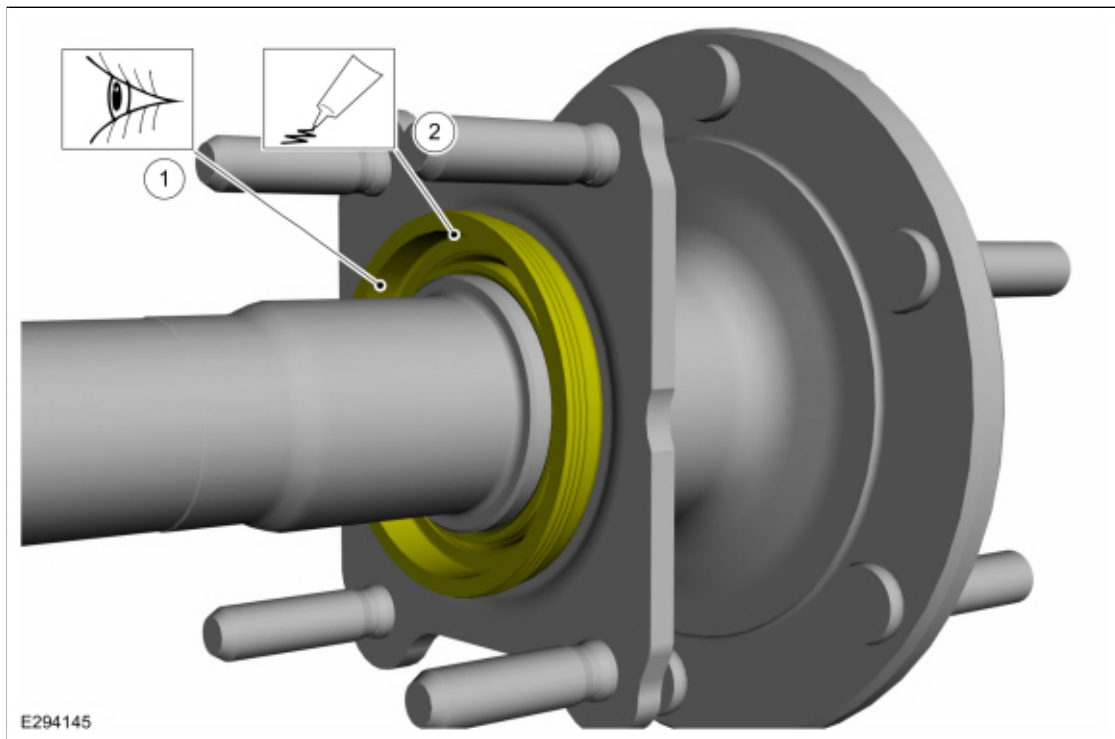
1. Remove and discard the axle shaft lock nuts.
2. Remove the axle shaft studs bolts.
3. Remove the axle shaft.



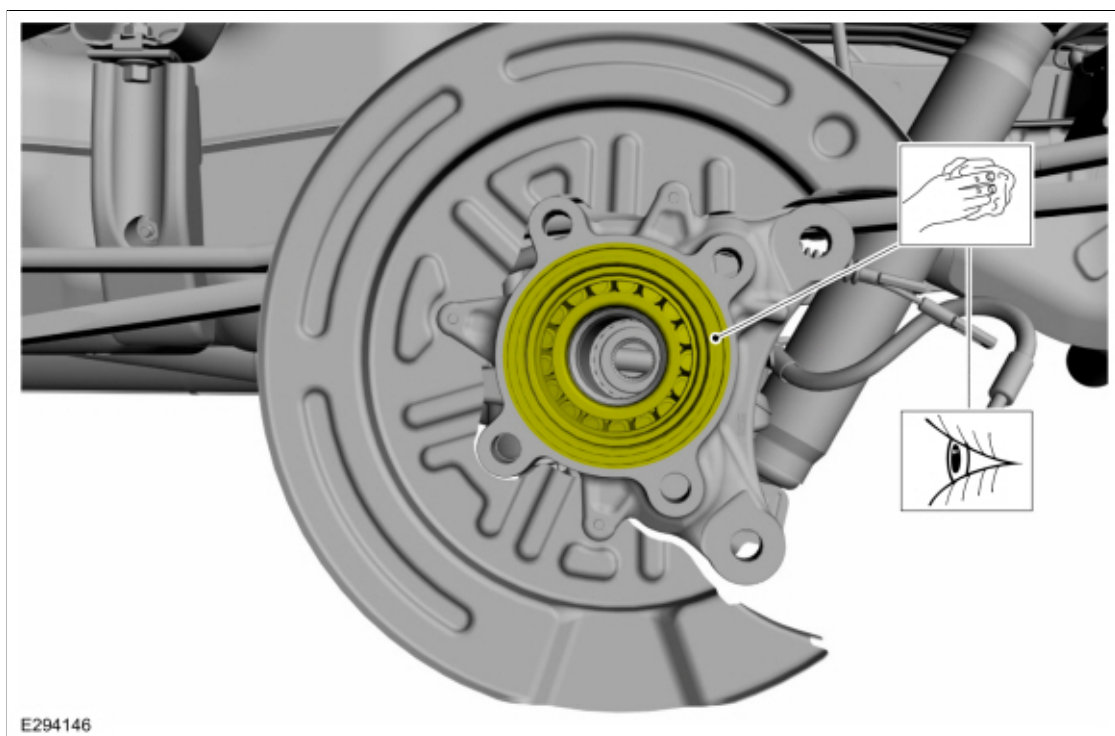
Installation

1.

- Inspect the axle shaft seal.
- Lubricate the axle seal lip.
Material: Motorcraft® Premium Long-Life Grease / XG-1-E1 (ESA-M1C75-B)



2. Clean and inspect the axle shaft bearing and seal mating surface.



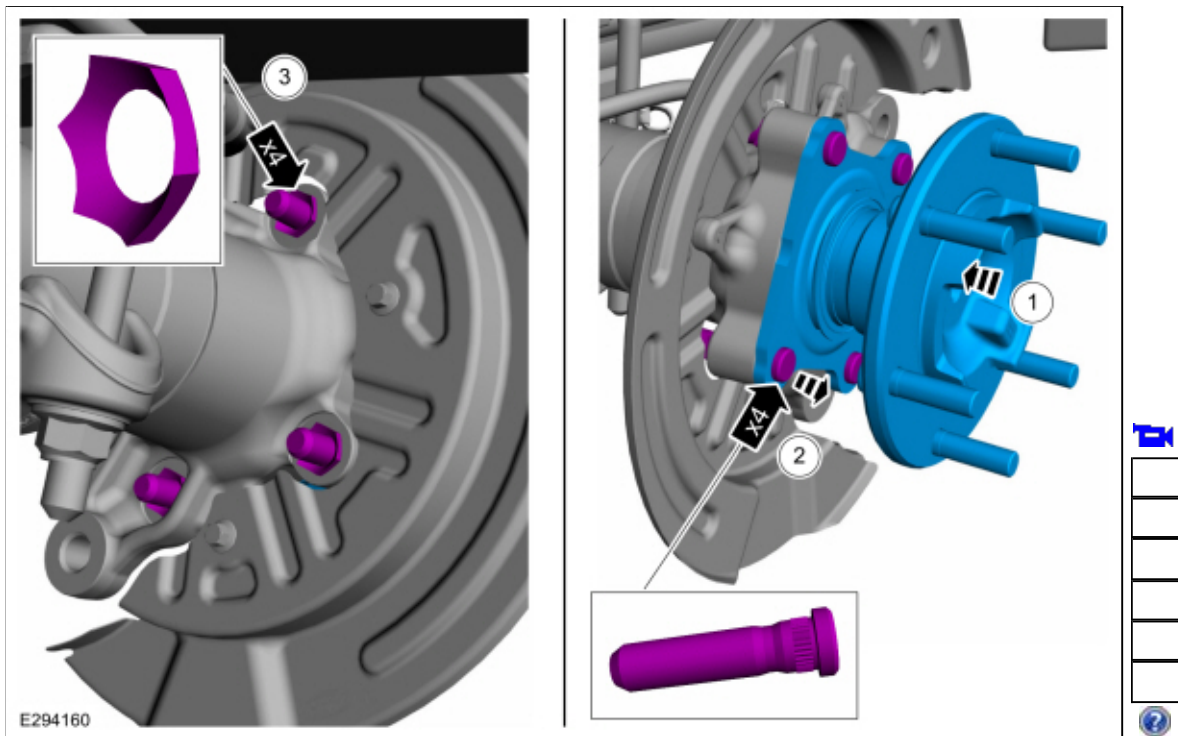
3. **NOTICE:** Be careful not to damage the oil seal while installing the axle shaft.

1. Position the rear axle shaft into the shaft housing.
2. **NOTE:** Make sure new component is used.

Install the new axle shaft stud bolts..

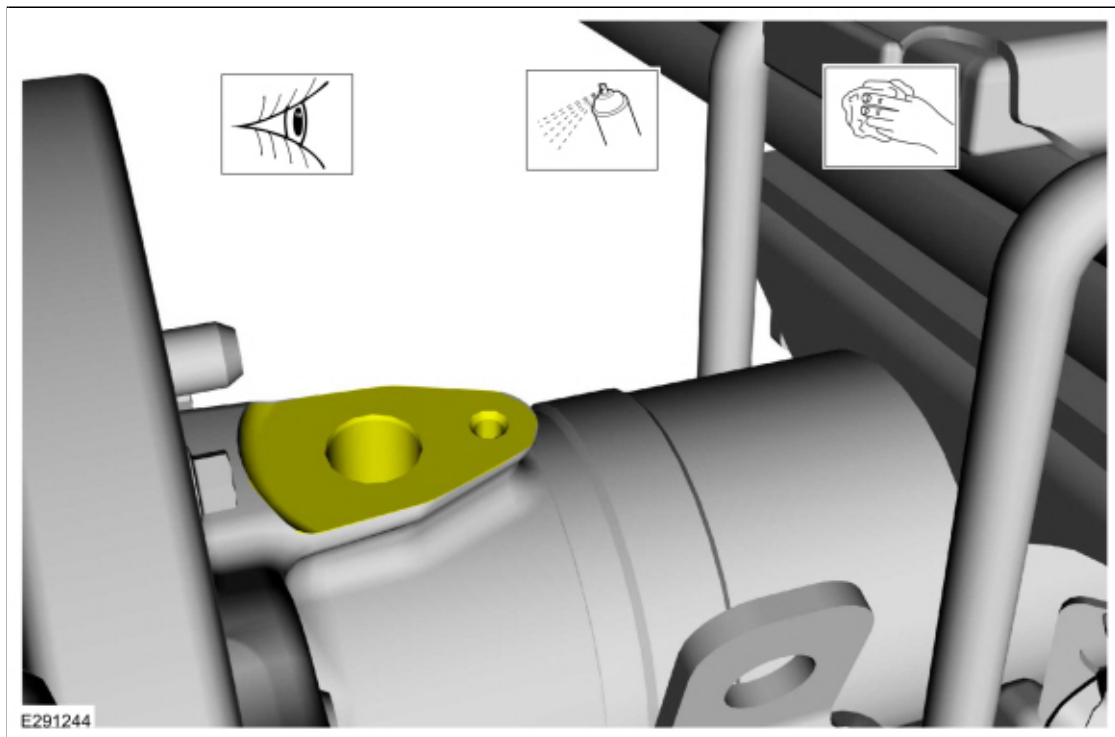
3. **NOTE:** Make sure new component is used.

Install the new axle shaft lock nuts.

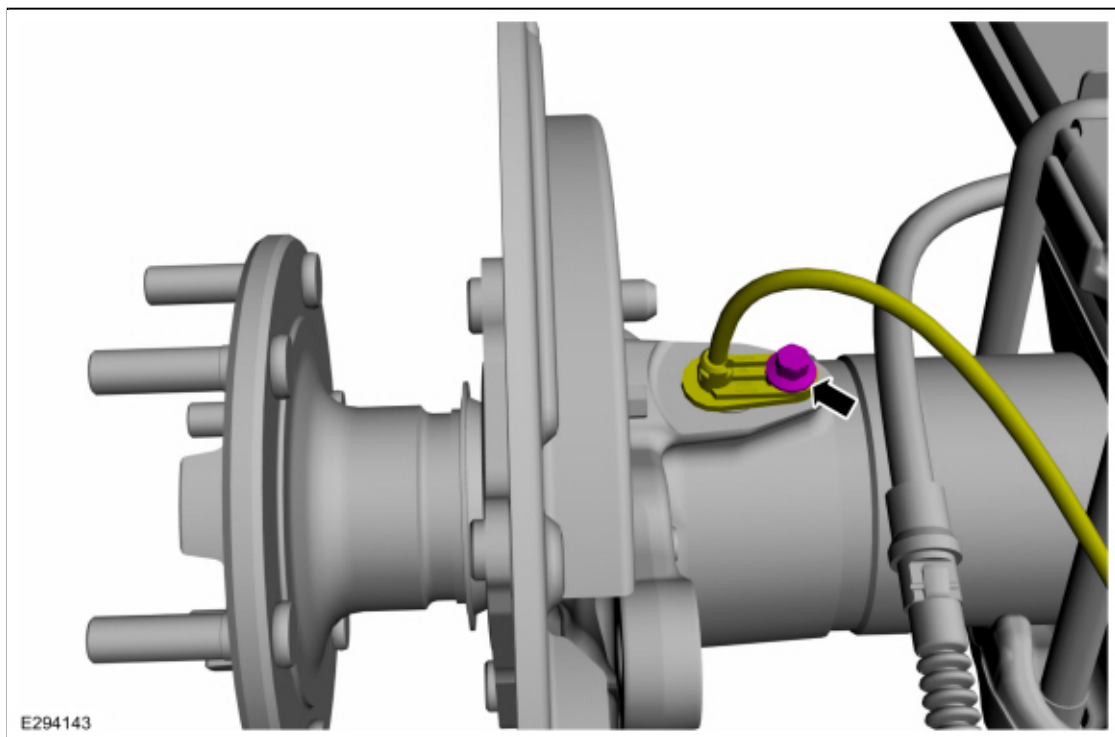


4. Before installing a new sensor, inspect the sensor housing to make sure the sensor cavity is clean and free of foreign material.





5. Position the wheel speed sensor and install the bolt.
Torque: 71 lb.in (8 Nm)



6. Install the rear brake disc.
Refer to: [Brake Disc](#) (206-04 Rear Disc Brake, Removal and Installation).

7. Check and top off the differential fluid.
Refer to: [Differential Fluid Level Check](#) (205-02 Rear Drive Axle/Differential - Vehicles With: Dana M220, General Procedures).

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