

Wheel Hub

Special Tool(s) / General Equipment

 E139373	100-002 (TOOL-4201-C) Holding Fixture with Dial Indicator Gauge
 E238614	205-282 (T88T-4252-A) Socket, Wheel Hub Nut TKIT-1988-FLM TKIT-1988-F
 E142008	205-D018 Adapter
Puller	

Materials

Name	Specification
Motorcraft® Premium Long-Life Grease XG-1-EI	ESA-M1C75-B
Motorcraft® SAE 75W-85 Premium Synthetic Hypoid Gear Lubricant XY-75W85-QL	WSS-M2C942-A

Removal

1. Remove the axle shaft.
Refer to: Axle Shaft (205-02E Wheel Hubs and Bearings - Full Floating Axle - Vehicles With: Ford 10.5 Inch Ring Gear, Removal and Installation).
2. Remove the brake disc.
Refer to: Brake Disc (206-04 Rear Disc Brake, Removal and Installation).
3. **NOTICE:** Under no circumstances are power tools to be used when carrying out these operations or damage to the component may occur.

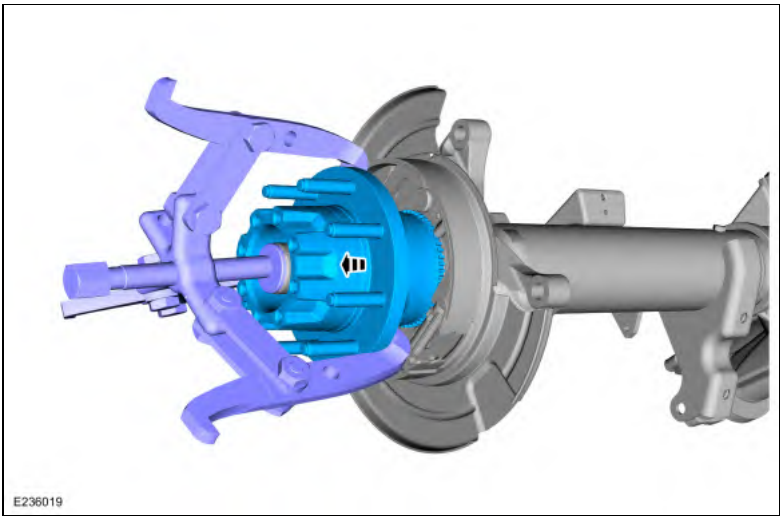
NOTICE: The wheel hub nut should not ratchet during this operation. If it does, check the Ford Axle Locknut Socket tabs for wear. They should be a minimum of 5.08 mm (0.2 in) or damage to the components can occur.

NOTE: The wheel hub nuts are RH thread (right hub) and LH thread (left hub).

NOTE: Apply inward pressure to the socket to separate the ratcheting components of the hub nut.

Using the special tool, remove the hub nut.

Use Special Service Tool: 205-282 (T88T-4252-A) Socket, Wheel Hub Nut.

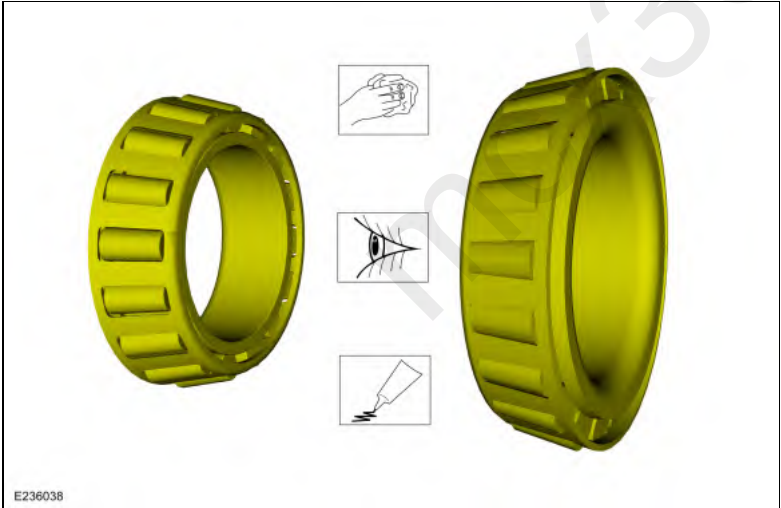


6. Remove and discard the wheel hub inner seal.
Refer to: Wheel Bearings, Wheel Hub Seal and Wheel Bearing Cups (205-02E Wheel Hubs and Bearings - Full Floating Axle - Vehicles With: Ford 10.5 Inch Ring Gear, Removal and Installation).

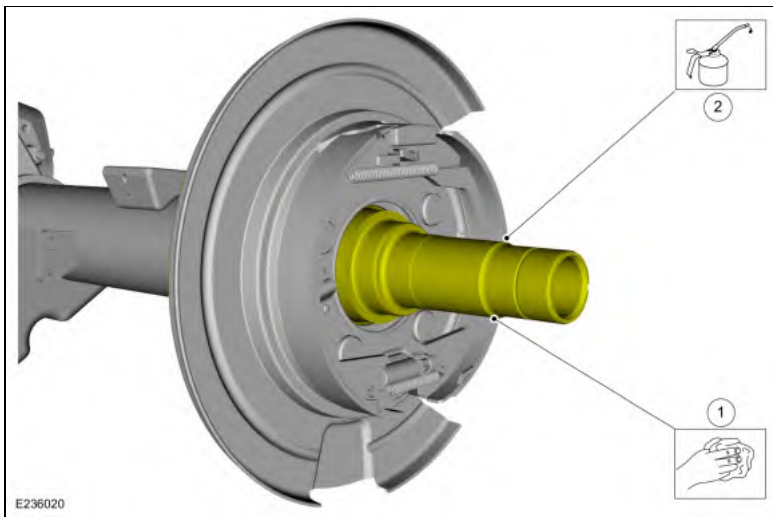
Installation

1. **NOTE:** The wheel hub bearings must be prelubricated with grease prior to installation. Pack each bearing with a bearing packing tool.

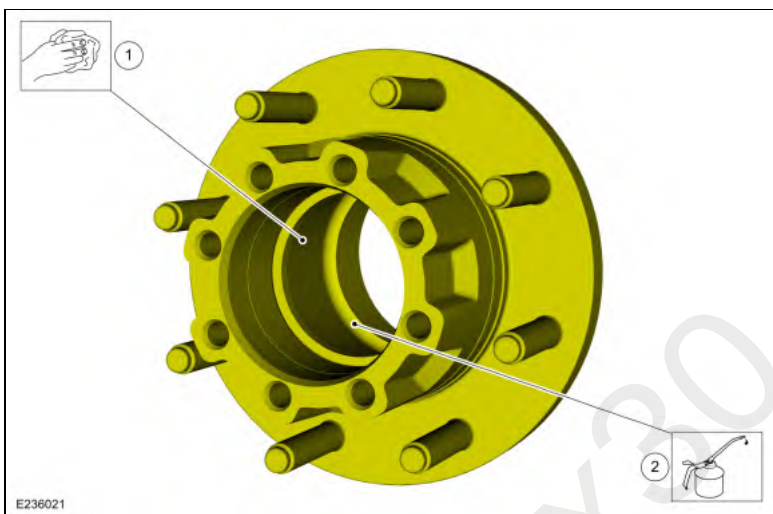
Clean, inspect and pack the inner and outer bearings with grease.
Material: Motorcraft® Premium Long-Life Grease / XG-1-E1 (ESA-M1C75-B)



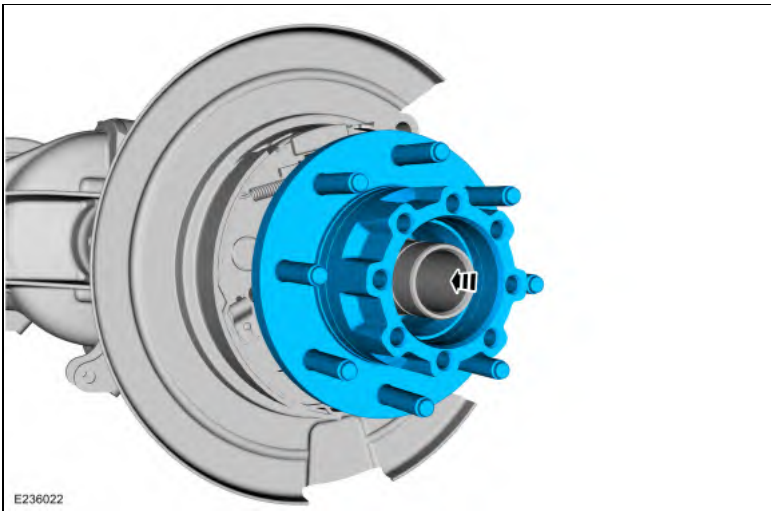
2. Install the new inner wheel hub seal.
Refer to: Wheel Bearings, Wheel Hub Seal and Wheel Bearing Cups (205-02E Wheel Hubs and Bearings - Full Floating Axle - Vehicles With: Ford 10.5 Inch Ring Gear, Removal and Installation).
3.
 1. Clean the hub spindle.
 2. Coat the hub spindle with clean axle lubricant.
Material: Motorcraft® SAE 75W-85 Premium Synthetic Hypoid Gear Lubricant / XY-75W85-QL (WSS-M2C942-A)



- 4.
1. Clean the hub.
 2. Coat the hub with clean axle lubricant.
- Material: Motorcraft® SAE 75W-85 Premium Synthetic Hypoid Gear Lubricant / XY-75W85-QL (WSS-M2C942-A)*

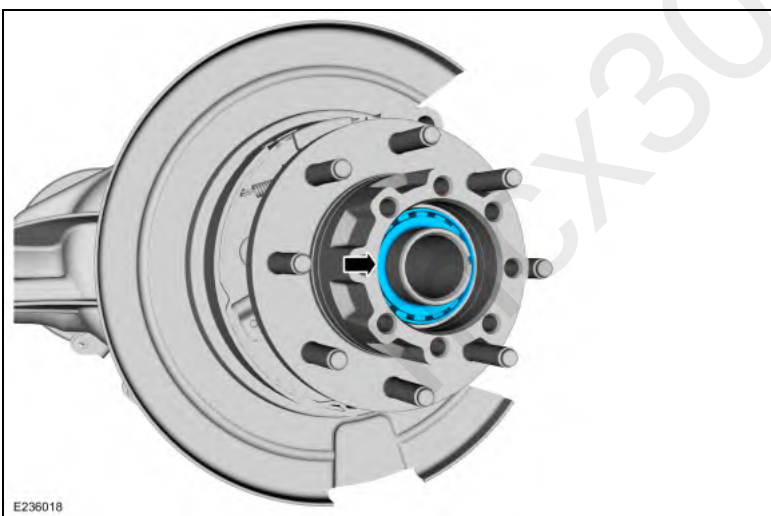


5. Install the wheel hub.



6. **NOTE:** The wheel hub bearings must be prelubricated with grease prior to installation. Pack each bearing with a bearing packing tool. Also apply grease to the thrust surface of the bearing.

Install the outer wheel hub bearing.



7. **NOTE:** LH shown RH similar.

NOTE: Always apply inward pressure when tightening or loosening the hub nut.

NOTE: The wheel hub nuts are RH thread (right hub), and LH thread (left hub).

NOTE: Rotate the wheel hub occasionally while tightening the hub nut.

Using the special tool, install the hub nut.

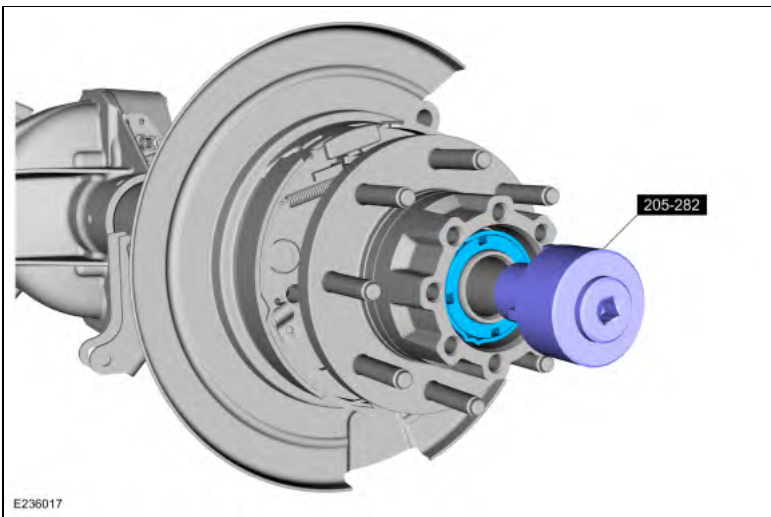
Use Special Service Tool: 205-282 (T88T-4252-A) Socket, Wheel Hub Nut.

Torque:

Stage 1: 70 lb.ft (95 Nm)

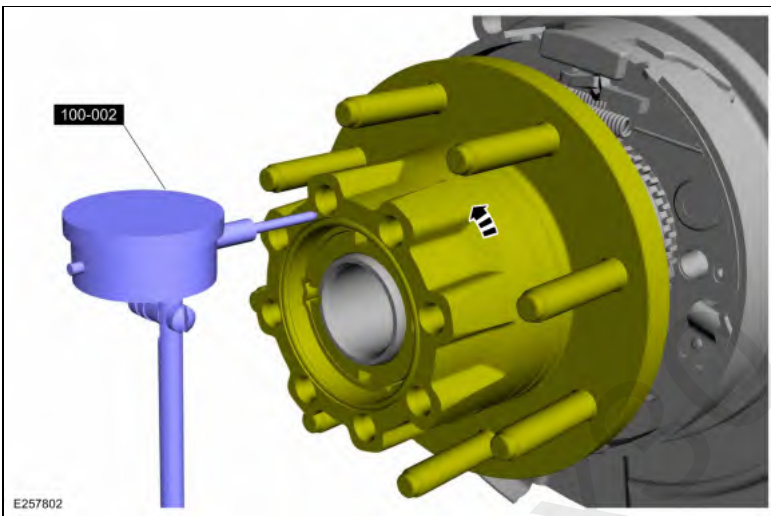
Stage 2: Loosen: 180°

Stage 3: 22 lb.ft (30 Nm)



8.

- Zero the Dial Indicator Gauge with the Holding Fixture.
- Use Special Service Tool: 100-002 (TOOL-4201-C) Holding Fixture with Dial Indicator Gauge.
- Place the dial indicator tip on the outboard surface of the wheel hub and verify there is no side-to-side end play.



9. Install the axle shaft.
Refer to: Axle Shaft (205-02E Wheel Hubs and Bearings - Full Floating Axle - Vehicles With: Ford 10.5 Inch Ring Gear, Removal and Installation).
10. Install the brake disc.
Refer to: Brake Disc (206-04 Rear Disc Brake, Removal and Installation).
11. Check the differential fluid level.
Refer to: Differential Fluid Level Check (205-02D Rear Drive Axle/Differential - Vehicles With: Ford 10.5 Inch Ring Gear, General Procedures).