

SECTION 206-03: Front Disc Brake  
REMOVAL AND INSTALLATION

1999 F-Super Duty 250-550 Workshop Manual  
Procedure revision date: 08/13/2003

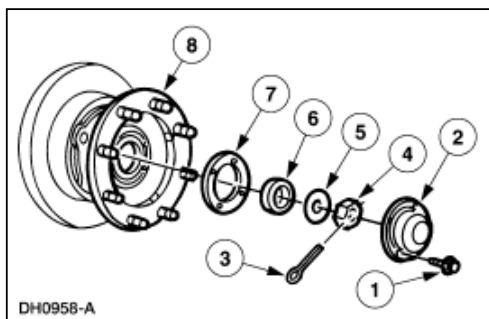
## Disc —Motorhome Chassis

### Material

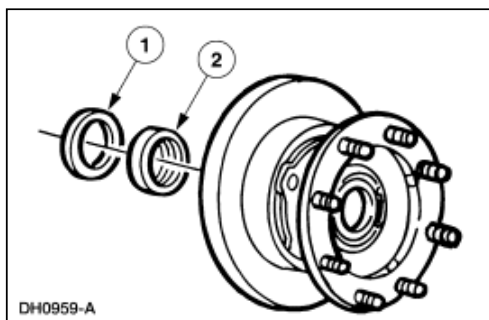
Item	Specification
Premium Long Life Grease XG-1-C	ESA-M1C75-B
Brake Parts Cleaner PM-4	—

### Removal

1. Remove the disc brake caliper anchor plate. For additional information, refer to [Brake Caliper Anchor Plate](#) in this section.
2. Remove the disc brake hub and rotor as follows:
  1. Remove the hub grease cap screws.
  2. Remove the hub grease cap.
  3. Remove the cotter pin.
  4. Remove the spindle nut.
  5. Remove the outer wheel bearing retainer washer.
  6. Remove the outer wheel bearing.
  7. Remove the hub grease cap gasket.
  8. Remove the disc brake hub and rotor.

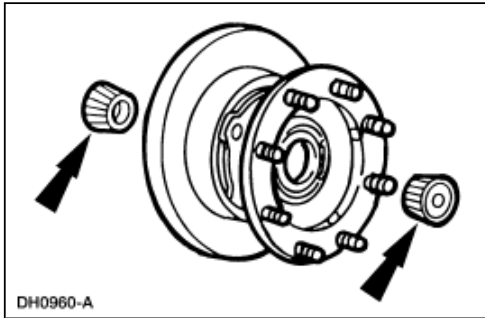


3. If necessary, resurface the disc brake hub and rotor. Ford recommends on-vehicle rotor machining. Follow the lathe manufacturer's instructions.
  1. Remove the wheel hub grease seal.
  2. Remove the inner wheel bearing.

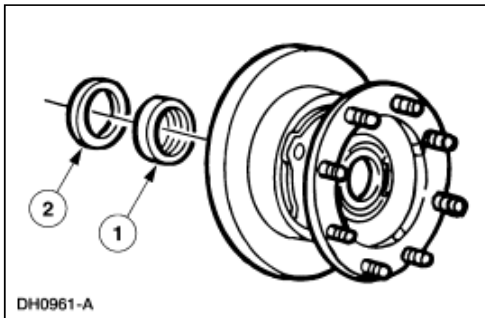


### Installation

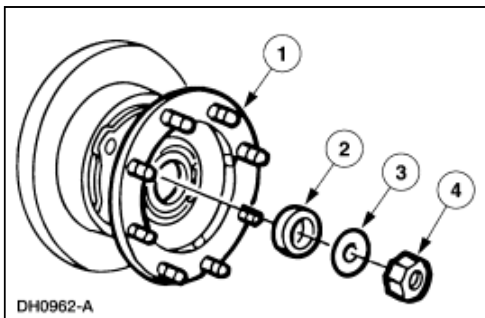
1. Thoroughly clean and inspect the wheel bearings and the disc brake hub and rotor.
  - Use brake parts cleaner to clean the disc brake hub and rotor.



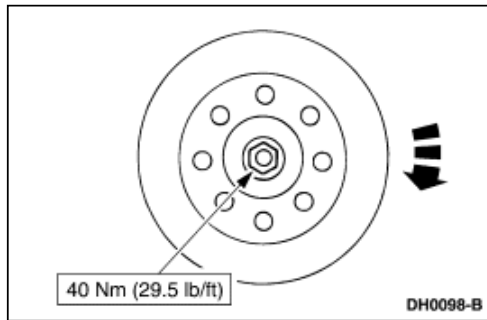
2. Lubricate the wheel bearings.
  - Use long-life grease to lubricate the bearings.
3. Install a new wheel hub grease seal.
  1. Install the inner wheel bearing.
  2. Install a new wheel hub grease seal.



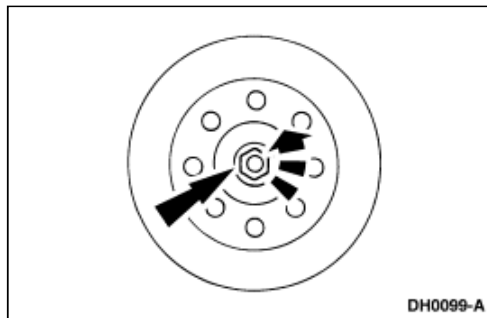
4. Install the disc brake hub and rotor.
  1. Position the disc brake hub and rotor.
  2. Install the outer wheel bearing.
  3. Install the outer wheel bearing retainer washer.
  4. Install the spindle nut.



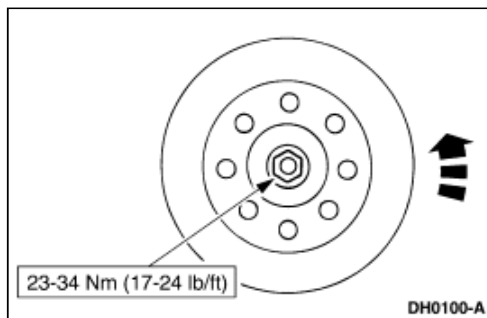
5. While rotating the disc brake hub and rotor, tighten the spindle nut.



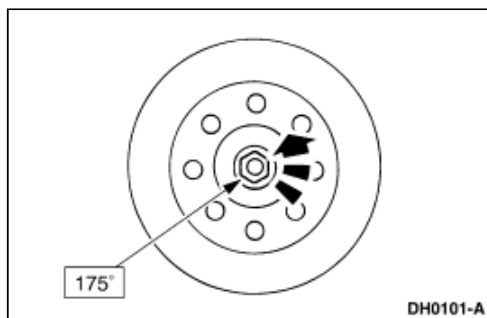
6. Loosen the spindle nut two turns.



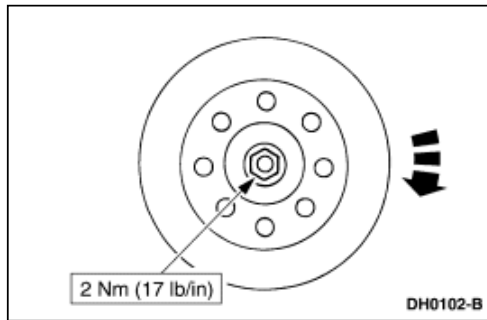
7. Tighten the spindle nut while rotating the disc brake hub and rotor.



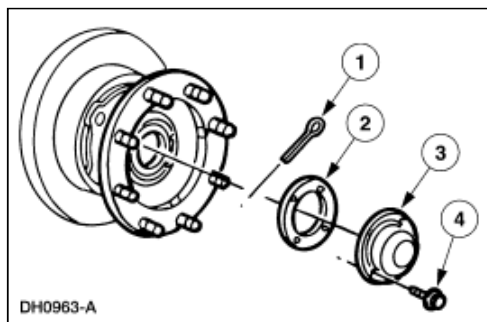
8. Loosen the spindle nut.



9. Tighten the spindle nut while rotating the disc brake hub and rotor.



10. Install the following components:
  1. Install the cotter pin.
  2. Install the hub grease cap gasket.
  3. Install the hub grease cap.
  4. Install the hub grease cap screws.



11. Install the disc brake caliper anchor plate; refer to [Brake Caliper Anchor Plate](#) in this section.
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