REMOVAL AND INSTALLATION

Brake Disc

Material

<table>
<thead>
<tr>
<th>Item</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>High Temperature Nickel Anti-Seize Lubricant XL-2</td>
<td>ESE-M12A4-A</td>
</tr>
<tr>
<td>Metal Brake Parts Cleaner PM-4-A or PM-4-B (US); CPM-4 (Canada)</td>
<td>—</td>
</tr>
<tr>
<td>Penetrating and Lock Lubricant (US); Penetrating Fluid (Canada) XL-1 (US); CXC-51-A (Canada)</td>
<td>—</td>
</tr>
</tbody>
</table>

NOTE: Dual Rear Wheels (DRW) shown, Single Rear Wheel (SRW) similar.

<table>
<thead>
<tr>
<th>Item</th>
<th>Part Number</th>
<th>Description</th>
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<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1125</td>
<td>Wheel hub extender</td>
<td>4</td>
<td>N811625</td>
<td>Brake caliper anchor plate bolts (2 required)</td>
</tr>
<tr>
<td>2</td>
<td>W520506</td>
<td>Wheel hub extender nut (8 required)</td>
<td>5</td>
<td>—</td>
<td>Brake caliper and anchor plate assembly</td>
</tr>
<tr>
<td>3</td>
<td>1104</td>
<td>Brake disc</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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REMOVAL AND INSTALLATION (Continued)

Removal

**NOTE:** The brake disc and the wheel bearing hub are the same part on Rear Wheel Drive (RWD) F-250-F-350 vehicles. To remove or install the front brake disc on RWD F-250-F-350 vehicles, refer to Section 204-01A for the wheel bearing and wheel hub procedure.

**All vehicles**

1. Remove the wheel and tire. For additional information, refer to Section 204-04.

2. **NOTICE:** Do not allow the brake caliper to hang from the brake hose or damage to the hose can occur.
   Remove and discard the 2 caliper anchor plate bolts and position the brake caliper and anchor plate assembly aside.
   - Support the caliper and anchor plate using mechanic’s wire.

**Single Rear Wheel (SRW) vehicles**

3. **NOTE:** If the brake disc cannot be removed easily, apply penetrating and lock lubricant on the brake disc-to-wheel hub mating surfaces.
   Mark a wheel stud and the corresponding brake disc stud hole.
   - This helps to make sure the lowest front brake disc runout is maintained during reassembly.

**Dual Rear Wheels (DRW) vehicles**

4. Remove the hub extender nuts and the hub extender.

5. **NOTE:** If the brake disc cannot be removed easily, apply specified penetrating and lock lubricant on the brake disc-to-wheel hub mating surface.
   Mark the hub extender stud and the corresponding brake disc extender stud hole.
   - This helps to make sure the lowest front brake disc runout is maintained during reassembly.

**Installation**

**All vehicles**

6. Remove the front brake disc.

**DRW vehicles**

4. Position the hub extender and install the nuts.
   - Tighten to 176 Nm (130 lb-ft).
REMOVAL AND INSTALLATION (Continued)

All vehicles

5. NOTICE: Protect the piston and boots when pushing the caliper piston into the caliper piston bores or damage to components may occur.

If installing a new brake disc, using a suitable tool and a worn brake pad, compress the disc brake caliper pistons into the caliper.

6. Position the brake disc caliper anchor plate and install 2 new bolts.
   • On F-250, F-350, tighten to 225 Nm (166 lb-ft).
   • On F-450, F-550, tighten to 400 Nm (295 lb-ft).

7. Install wheel and tire. For additional information, refer to Section 204-04.