Parts List for 1-056-600 Series (rev. A & B) Manual Adjust Brakes

IMPORTANT
Please read these instructions carefully before installing, operating, or servicing your Stearns Brake. Failure to comply with these instructions could cause injury to personnel and/or damage to property if the brake is installed or operated incorrectly. For definition of limited warranty/liability, contact Rexnord Industries, Inc., Stearns Division, 5150 S. International Dr., Cudahy, WI 53110, (414) 272-1100.

Caution
1. Installation and servicing must be made in compliance with all local safety codes including Occupational Safety and Health Act (OSHA). All wiring and electrical connections must comply with the National Electric Code (NEC) and local electric codes in effect.

2. Do not operate the brake in atmospheres containing explosive gases or dusts.

3. To prevent an electrical hazard, disconnect power source before working on the brake. If power disconnect point is out of sight, lock disconnect in the off position and tag to prevent accidental application of power.

4. Make certain power source conforms to the requirements specified on the brake nameplate.

5. Be careful when touching the exterior of an operating brake. Allow sufficient time for brake to cool before disassembly. Surfaces may be hot enough to be painful or cause injury.

6. Do not operate brake with housing removed. All moving parts should be guarded.

7. Installation and servicing should be performed only by qualified personnel familiar with the construction and operation of the brake.

8. For proper performance and operation, only genuine Stearns parts should be used for repairs and replacements.

9. After usage, the brake interior will contain burnt and degraded friction material dust. This dust must be removed before servicing or adjusting the brake.

DO NOT BLOW OFF DUST using an air hose. It is important to avoid dispersing dust into the air or inhaling it, as this may be dangerous to your health.

a. Wear a filtered mask or a respirator while removing dust from the inside of a brake.

b. Use a vacuum cleaner or a soft brush to remove dust from the brake. When brushing, avoid causing the dust to become airborne. Collect the dust in a container, such as a bag, which can be sealed off.

Tools required for installation and servicing:
- 3/8" hex wrench
- 5/16" nut driver
- 5/16" hex wrench
- 1/4" screwdriver
- 3/16" hex wrench
- 8" adjustable wrench

For Installation and Service Instructions refer to sheet part number 8-078-905-60. Instructions and parts list also available at www.stearns.rexnord.com.
Information required when ordering replacement parts:
- Give Part Number of parts or kits needed, Brake Model Number, and Brake Serial Number. The Brake Model and Serial Number may identify special brakes not covered by this parts list.
- When ordering hubs, specify shaft diameter (hub bore) and keyway.
- Enclosure is specified as follows:
  - NEMA 2 (formerly referred to as standard)
  - NEMA 4 (formerly referred to as DTWP dust-tight waterproof)

** TABLE 1 **

Components of Standard AC or DC Brake

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Part Number</th>
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<tbody>
<tr>
<td>A</td>
<td>Hardware kit - NEMA 2</td>
<td>5-66-1011-00</td>
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<tr>
<td></td>
<td>Hardware kit - NEMA 4</td>
<td>5-66-1012-00</td>
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<tr>
<td></td>
<td>Hardware kit - NEMA-4X</td>
<td>5-66-1013-00</td>
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<tr>
<td>AA</td>
<td>Plug/Gasket kit</td>
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<td></td>
<td><strong>Close couple</strong></td>
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<td>- NEMA 4X</td>
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<td>- NEMA 4 - 3 disc</td>
<td>5-66-0525-00</td>
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<td>- NEMA 4X - 3 disc</td>
<td>5-66-0525-00</td>
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<td>7</td>
<td>Housing — NEMA 2</td>
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<td>Housing — NEMA 4</td>
<td>5-66-1015-00</td>
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<td>Housing — NEMA-4X</td>
<td>5-66-1016-00</td>
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<td>Stationary disc kit (1 disc universal)</td>
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<td></td>
<td>3 disc horizontal)</td>
<td>5-66-1018-00</td>
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<td>Stationary disc kit (2 disc universal)</td>
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<td>3B</td>
<td>Stationary disc kit (3 disc horizontal)</td>
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<td>Not Shown</td>
<td>Vertical spring kit (3 disc)</td>
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<td>4</td>
<td>Friction disc kit</td>
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<td>4C</td>
<td>Stabilizing clip (part of 5-66-8462-00)</td>
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<td>DP</td>
<td>Disc pack kit — 1 disc</td>
<td>5-66-1024-00</td>
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<td>Disc pack kit — 2 disc</td>
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<td>Disc pack kit — 3 disc</td>
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<td>5</td>
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<td>1 &amp; 2 disc (NEMA 2)</td>
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<td>1-1/8 bore</td>
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<td>1-1/8 bore</td>
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** Torque (lb-ft) **

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<th>NEMA Enclosure</th>
<th>1.5 and 3</th>
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<th>10</th>
<th>15</th>
<th>20 and 25</th>
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* Certain multiple friction disc model numbers require a single stabilizer clip (D1) added to each friction disc. If your particular brake model has this clip on the discs, as received, it must be replaced whenever the friction disc is replaced. This clip is included as part of the friction disc kit 5-66-8462-00.

** Close coupled brakes are identified by an 8 in the 8th digit. Example: 1-056-XXX-8X.
## TABLE 2
Components of Support Plate and Coil Assembly

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Part Number†</th>
<th>1.5 &amp; 3</th>
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<th>10</th>
<th>15</th>
<th>20</th>
<th>25</th>
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<td>8</td>
<td>Solenoid lever</td>
<td>8-008-500-01</td>
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<td>8P</td>
<td>Solenoid lever &amp; pin assembly</td>
<td>8-008-507-00</td>
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<td>8R</td>
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<td>Spacer</td>
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<td>Pressure spring</td>
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<td>126</td>
<td>Support plate and spring stud (2 housing studs)</td>
<td>5-26-5019-00</td>
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<td>26</td>
<td>Bearing pin</td>
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<td>29A</td>
<td>Plunger stop</td>
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<td>Release indicator</td>
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<td>126</td>
<td>Support plate and spring stud (3 housing studs)</td>
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<td>Pivot pin</td>
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<td>142S</td>
<td>Mounting screws</td>
<td>9-25-9013-00</td>
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</table>

### AC Brakes

| Z       | No. 4 solenoid kit (rev A & B) (rev B only) | 5-66-5042-00 | 1       | 1 | 1  | 1  | 1  | 1  |
|         | No. 4 coil kit 60 Hz                     | 5-66-5042-01 | 1       | 1 | 1  | 1  | 1  | 1  |
|         | 115/230 Vac                             | 5-66-6407-33 | 1       |    |    |    |    |    |
|         | 230/460 Vac                             | 5-66-6409-33 | 1       |    |    |    |    |    |
|         | 115 Vac                                 | 5-66-6401-33 | 1       |    |    |    |    |    |
|         | 230 Vac                                 | 5-66-6402-33 | 1       |    |    |    |    |    |
|         | 460 Vac                                 | 5-66-6404-33 | 1       |    |    |    |    |    |
|         | 575 Vac                                 | 5-66-6405-33 | 1       |    |    |    |    |    |
|         | No. K4 coil kit 60 Hz                   | 5-66-6457-33 | 1       |    |    |    |    |    |
|         | 115/230 Vac                             | 5-66-6457-33 | 1       |    |    |    |    |    |
|         | 230/460 Vac                             | 5-66-6458-33 | 1       |    |    |    |    |    |
|         | 115 Vac                                 | 5-66-6451-33 | 1       |    |    |    |    |    |
|         | 230 Vac                                 | 5-66-6452-33 | 1       |    |    |    |    |    |
|         | 460 Vac                                 | 5-66-6454-33 | 1       |    |    |    |    |    |
|         | 575 Vac                                 | 5-66-6455-33 | 1       |    |    |    |    |    |
|         | No. K4 coil kit 60 Hz                   | 5-66-6457-33 | 1       |    |    |    |    |    |
|         | 115/230 Vac                             | 5-66-6457-23 | 1       |    |    |    |    |    |
|         | 230/460 Vac                             | 5-66-6459-23 | 1       |    |    |    |    |    |
|         | 115 Vac                                 | 5-66-6451-23 | 1       |    |    |    |    |    |
|         | 230 Vac                                 | 5-66-6452-23 | 1       |    |    |    |    |    |
|         | 460 Vac                                 | 5-66-6454-23 | 1       |    |    |    |    |    |
|         | 575 Vac                                 | 5-66-6455-23 | 1       |    |    |    |    |    |
|         | No. M4 coil kit 60 Hz                   | 5-66-6457-23 | 1       |    |    |    |    |    |
|         | 115/230 Vac                             | 5-66-6457-23 | 1       |    |    |    |    |    |
|         | 230/460 Vac                             | 5-66-6459-23 | 1       |    |    |    |    |    |
|         | 115 Vac                                 | 5-66-6451-23 | 1       |    |    |    |    |    |
|         | 230 Vac                                 | 5-66-6452-23 | 1       |    |    |    |    |    |
|         | 460 Vac                                 | 5-66-6454-23 | 1       |    |    |    |    |    |
|         | 575 Vac                                 | 5-66-6455-23 | 1       |    |    |    |    |    |

### CC

| CC     | Brake release interlock switch (opt)  | 5-57-6526-00 | 1       | 1 | 1  | 1  | 1  | 1  |

### DC Brakes

| AD     | No. 4+ coil assembly                  | 5-96-6416-43 | 1       |    |    |    |    |    |
|        | 230 Vdc                               | 5-96-6417-43 | 1       |    |    |    |    |    |
|        | No. K4+ coil assembly                 | 5-96-6416-23 | 1       |    |    |    |    |    |
|        | 230 Vdc                               | 5-96-6417-23 | 1       |    |    |    |    |    |
|        | No. M4+ coil assembly                 | 5-96-6458-23 | 1       |    |    |    |    |    |
|        | 230 Vdc                               | 5-96-6459-23 | 1       |    |    |    |    |    |
|        | No. P4+ coil assembly                 | 5-96-6446-43 | 1       |    |    |    |    |    |
|        | 230 Vdc                               | 5-96-6447-43 | 1       |    |    |    |    |    |
| BD     | Electronic DC switch kit              | 5-57-5712-15 | 1       |    |    |    |    |    |
|        | 115 Vdc                               | 5-57-5716-15 | 1       |    |    |    |    |    |
|        | 230 Vdc                               | 5-57-5717-15 | 1       |    |    |    |    |    |
Optional Modification Kits

<table>
<thead>
<tr>
<th>Torque (lb-ft)</th>
<th>1.5, 3 &amp; 6</th>
<th>10 &amp; 15</th>
<th>20 &amp; 25</th>
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<tr>
<td>M4</td>
<td>8-003-513-02</td>
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<td>M13</td>
<td>5-27-2004-00</td>
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<td>M17</td>
<td>5-63-0524-00</td>
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<td>M21</td>
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<th>Description</th>
<th>Part Number</th>
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<tr>
<td>1-056-60X</td>
<td>Brass stationary disc</td>
<td>8-003-513-02</td>
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<td>1-056-61X</td>
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<td>1-056-62X</td>
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<td>1-056-63X</td>
<td>Brass stationary disc</td>
<td>5-96-6401-05</td>
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<td>115 Vac</td>
<td>No. 4</td>
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<td>230 Vac</td>
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<td>575 Vac</td>
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<td>460 Vac</td>
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<tr>
<td>575 Vac</td>
<td>No. 4+</td>
<td>5-96-6405-25</td>
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Table 3

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