Magnum cassette narrow/double narrow frame rejection bracket replacement kit

⚠️ WARNING

1. ONLY QUALIFIED ELECTRICAL PERSONNEL SHOULD BE PERMITTED TO WORK ON THE EQUIPMENT.
2. ALWAYS DE-ENERGIZE PRIMARY AND SECONDARY CIRCUITS IF A CIRCUIT BREAKER CANNOT BE REMOVED TO A SAFE WORK LOCATION.
3. DRAWOUT CIRCUIT BREAKERS SHOULD BE LEVERED (RACKED) OUT TO THE DISCONNECT POSITION.
4. ALL CIRCUIT BREAKERS SHOULD BE SWITCHED TO THE OFF POSITION AND MECHANISM SPRINGS DISCHARGED.

FAILURE TO FOLLOW THESE STEPS FOR ALL PROCEDURES DESCRIBED IN THIS INSTRUCTION LEAFLET COULD RESULT IN DEATH, BODILY INJURY, OR PROPERTY DAMAGE.

Section 1: General information

Magnum™ drawout circuit breakers come in a variety of continuous current and interrupting ratings. To prevent the insertion of a drawout circuit breaker into a cassette with which it is incompatible, rejection interlock key plates are provided for both the circuit breaker and the cassette. As the breaker is pushed into the cassette, the interlock pins on the breaker move past the pins in the cassette if they are compatible.

Required tools

- 10 mm socket and drive
- 10 mm wrench
- #2 Phillips screwdriver

Kit parts identification

Refer to Figure 1 for visual identification of the parts listed below:

(A) Rejection bracket (one)
(B) Rejection block (two)
(C) Rejection pin (two)
(D) M6 x 12 mm hex bolt (four)
(E) M6 serrated lock washer (four)
(F) M6 x 10 mm Phillips screw (two)

Section 2: Installation of rejection bracket kit

Proceed with the following 3 steps.

Step 1: From Table 1 on page 2, determine the number and location of rejection blocks (B), rejection pins (C), washers (E), and hex bolts (D) to be used. All parts are not required for all assemblies. Insert bolts and lock washers into the appropriate holes in the rejection bracket (A), and assemble rejection pins and blocks from the other side. Torque to 8–10 ft-lbs (10.5–13 Nm).

Note: The rejection nut arrangement shown here is for reference purposes only, and is not a valid configuration. Also note that rejection block (B) only fits into positions 4, 5, or 6.
Step 2: Assemble the bracket assembly to the floor of the cassette as shown using two M6 x 10 mm thread-forming Phillips screws (F). Torque to 8–10 ft-lbs (10.5–13 Nm).

If the cassette is for use with a narrow breaker frame of 1600A or below, the installation is complete. If the cassette is for use with a large breaker frame of 4000A, proceed to Step 3.

Figure 3. Step 2

Step 3: On cassettes for narrow breaker frames of 4000A, install two identical rejection bracket assemblies as shown.

Figure 4. Step 3

Table 1. LN Cassette Rejection Interlock Pin Locations

<table>
<thead>
<tr>
<th>MDN/SBN Rating</th>
<th>Cassette Codes = Numbers</th>
</tr>
</thead>
<tbody>
<tr>
<td>408/840</td>
<td>X  R-X  R-X</td>
</tr>
<tr>
<td>508/84N</td>
<td>X  R-X  R-X</td>
</tr>
<tr>
<td>608/84A</td>
<td>X  R-X  R-X</td>
</tr>
<tr>
<td>C08/C40</td>
<td>X  X  R-X</td>
</tr>
<tr>
<td>412/C4N</td>
<td>X  R-X  R-X</td>
</tr>
<tr>
<td>512/C4A</td>
<td>X  R-X  R-X</td>
</tr>
<tr>
<td>612/640</td>
<td>X  X  R-X</td>
</tr>
<tr>
<td>C12/64N</td>
<td>X  X  R-X</td>
</tr>
<tr>
<td>416/64A</td>
<td>X  R-X  R-X</td>
</tr>
<tr>
<td>516</td>
<td>X  R-X</td>
</tr>
<tr>
<td>616</td>
<td>X  X  R-X</td>
</tr>
<tr>
<td>C16</td>
<td>X  X  R-X</td>
</tr>
<tr>
<td>620</td>
<td>X  R-X</td>
</tr>
<tr>
<td>C20</td>
<td>X  X</td>
</tr>
</tbody>
</table>

Note: Cassette positions labeled R-X only go to positions 4, 5, or 6 on bracket.
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