Levering door mechanism replacement parts kit in drawout Magnum low voltage circuit breakers

**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

The levering device access door controls access to a drawout breaker’s levering mechanism. The door can be raised as long as the breaker is OPEN. As long as the access door is raised, the breaker is held trip free.

Required tools

- 1/4-inch socket drive
- 10 mm socket
- #3 Posi-drive screwdriver

Kit parts identification

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

(A) Levering door mechanism (one)
(B) M6 x 12 mm pan head self-thread screw (four)

Section 2: Installation of levering door mechanism

Proceed with the following nine steps:

**Step 1:** Remove the front cover by unscrewing the hex-head captive bolts (four for three-pole, six for four-pole) that join the cover to the breaker housing using a 10 mm 1/4-inch drive socket. Then hold the charge handle down approximately 45 degrees to pull off the cover.

**Step 2:** Remove two self-threading screws from each side of the levering door mechanism and discard the screws and washers.
Step 3: Lift access door to OPEN position and remove the levering door mechanism by pulling forward.

Figure 4. Step 3

Step 4: Position the new levering door mechanism (A) in place while holding the access door open (UP position), and the trip link on the breaker raised up. The plastic fork on the back of the faceplate must mate with the post on the levering mechanism assembly.

Figure 5. Step 4

Step 5: Fasten the levering door mechanism (A) with four M6 x 12 mm self-threading screws (B). Torque to 75–85 in-lbs (8.4–9.5 Nm).

Figure 6. Step 5

Step 6: Check to be certain that the access door opens and slides freely.

Step 7: Reinstall front cover removed in Step 1.

Step 8: Test the installation by charging and closing the breaker. The access door should not open.

Step 9: Perform another test by opening the breaker. The access door should be free to open.

Disclaimer of warranties and limitation of liability

The information, recommendations, descriptions, and safety notations in this document are based on Eaton Corporation’s (“Eaton”) experience and judgment, and may not cover all contingencies. If further information is required, an Eaton sales office should be consulted.

Sale of the product shown in this literature is subject to the terms and conditions outlined in appropriate Eaton selling policies or other contractual agreement between Eaton and the purchaser.

THERE ARE NO UNDERSTANDINGS, AGREEMENTS, WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY, OTHER THAN THOSE SPECIFICALLY SET OUT IN ANY EXISTING CONTRACT BETWEEN THE PARTIES. ANY SUCH CONTRACT STATES THE ENTIRE OBLIGATION OF EATON. THE CONTENTS OF THIS DOCUMENT SHALL NOT BECOME PART OF OR MODIFY ANY CONTRACT BETWEEN THE PARTIES.

In no event will Eaton be responsible to the purchaser or user in contract, in tort (including negligence), strict liability, or otherwise for any special, indirect, incidental, or consequential damage or loss whatsoever, including but not limited to damage or loss of use of equipment, plant or power system, cost of capital, loss of power, additional expenses in the use of existing power facilities, or claims against the purchaser or user by its customers resulting from the use of the information, recommendations, and descriptions contained herein.

The information contained in this manual is subject to change without notice.