

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.

⚠ WARNING

THE INSTRUCTIONS CONTAINED IN THIS IL AND ON PRODUCT LABELS MUST BE FOLLOWED. OBSERVE THE FIVE SAFETY RULES.

- DISCONNECTING;
- ENSURE THAT DEVICES CANNOT BE ACCIDENTALLY RESTARTED;
- VERIFY ISOLATION FROM THE SUPPLY;
- EARTHING AND SHORT-CIRCUITING; AND;
- COVERING OR PROVIDING BARRIERS TO ADJACENT LIVE PARTS.

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.

This product is intended for use in Magnum circuit breakers with PXR or Digitrip trip units.

Note: All images show a Magnum circuit breaker with a PXR trip unit unless stated otherwise. Some components, such as the trip unit, not shown for clarity.

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)

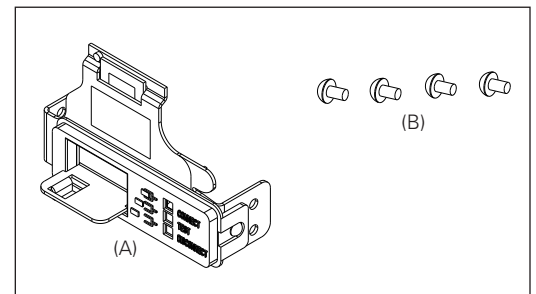


Figure 1. Contents of kit

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Section 2: Installation of levering door mechanism

Proceed with the following 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.

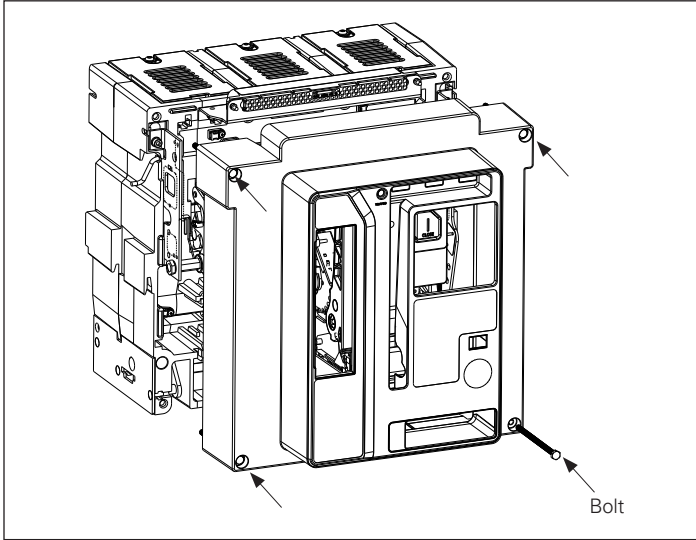


Figure 2. Step 1

Step 2: Remove two self-threading screws from each side of the levering door mechanism and discard the screws and washers.

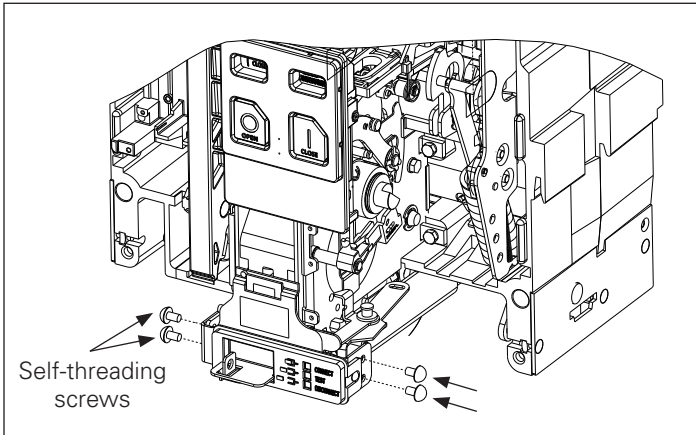


Figure 3. Step 2

Step 3: Hold access door open (UP position) and remove the levering door mechanism by pulling forward.

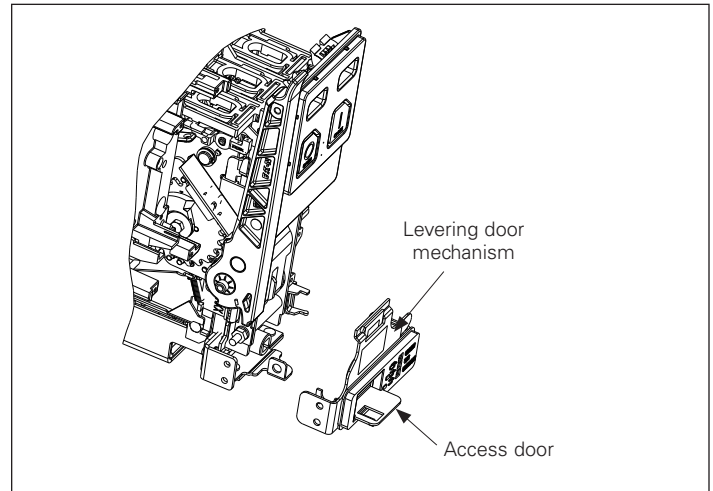


Figure 4. Step 3

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.

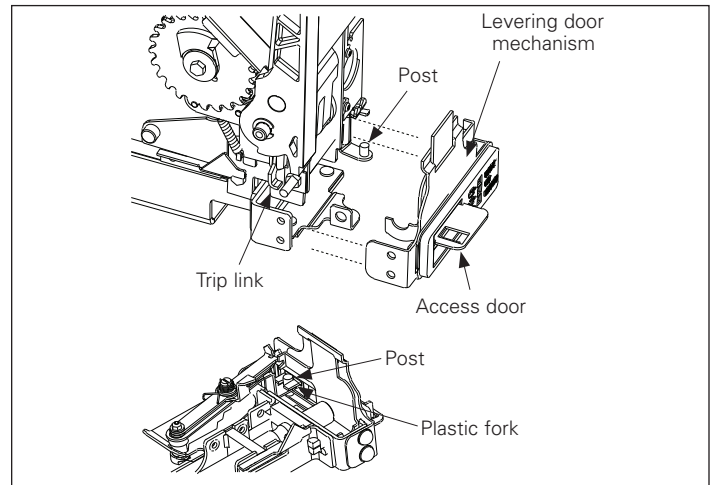


Figure 5. Step 4

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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).

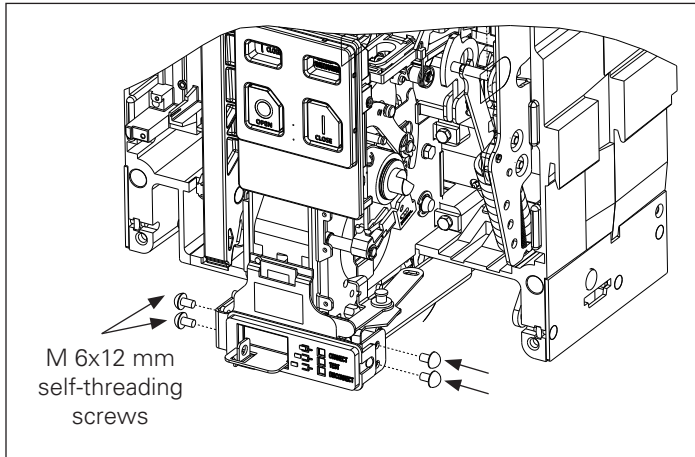


Figure 6. Step 5

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.

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