

Vertical adapter kit for fixed Magnum low voltage circuit breakers or IEC cassettes

⚠ 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 vertical stab adapter kit provides a means by which the primary terminal connections can be mounted vertically. The instructions for this kit apply to the following MagnumT frames: standard frame for 2500 A to 3200 A, double-wide frame for 5000 A to 6300 A, and narrow frame 4000 A to 5000 A.

Kit parts identification

- Socket drive torque wrench
- 17 mm socket
- 17 mm wrench

Kit parts identification

Refer to **Figure 1** for a visual parts reference of hardware supplied in a kit.

(A) 90-degree adapter (six groups required for three-pole installations, eight groups required for four-pole installations)

(B) M10 x 60 hex bolt (18 required for three-pole installations, 24 required for four-pole installations) ①

(C) M10 hex nut (18 required for three-pole installations, 24 required for four-pole installations) ①

(D) M10 conical spring washer (18 required for three-pole installations, 24 required for four-pole installations) ①

(E) M10 flat washer (36 required for three-pole installations, 48 required for four-pole installations) ①

① 12 required for three-pole narrow frame 4000 A to 5000 A and 16 required for four-pole narrow frame 4000 A to 5000 A.

Note: Kit content quantities are doubled when ordering adapter kits for double-wide frame sizes.

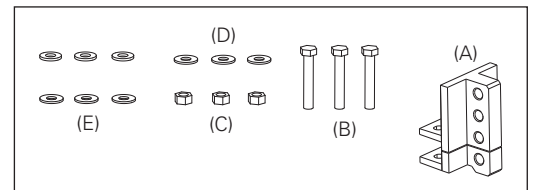


Figure 1. Contents of Kit

Note: Quantities for hardware items (B), (C), (D), and (E) are for standard frames only.

Section 2: Installation of vertical adapter kit

To install a vertical adapter kit, proceed as follows:

Step 1: Mount one group 90-degree adapter (A) to each conductor with three M10 x 60 mm hex bolts (B), three conical spring washers (D), six flat washers (E), and three hex nuts (C). Torque the bolts to 37–43 ft-lbs (50–58 Nm).

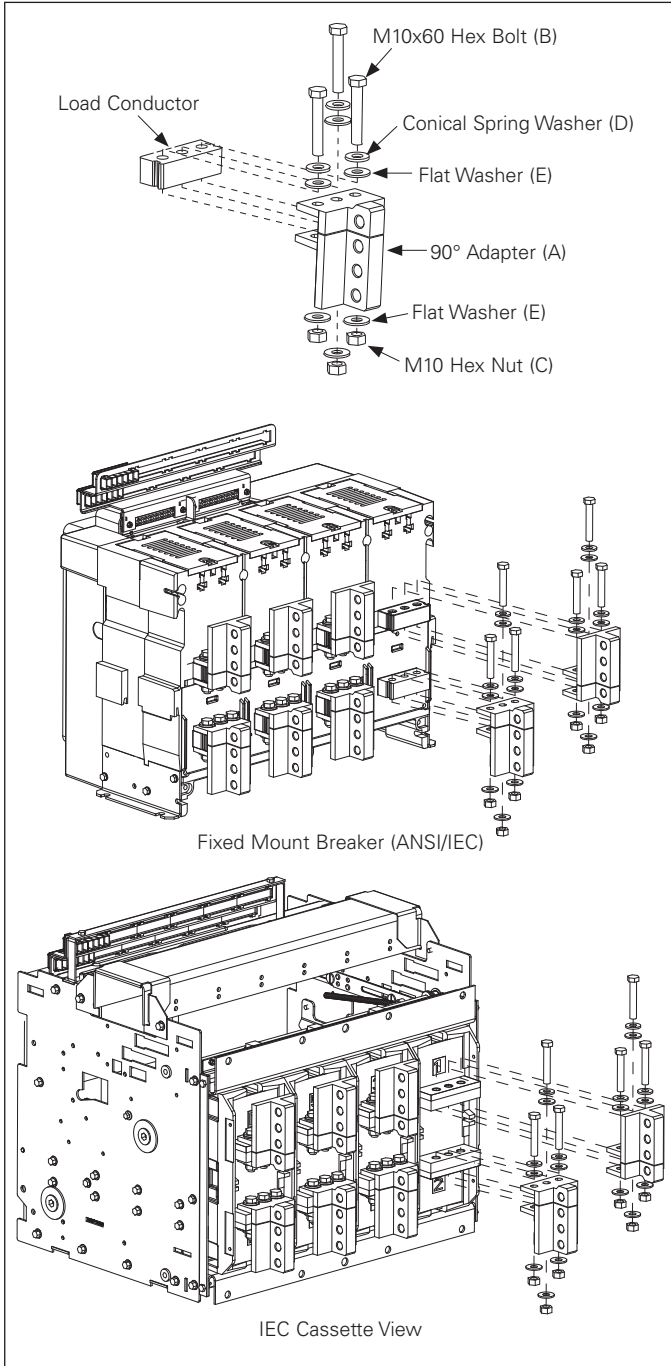
Note: The adapters mount on the line conductors facing upward and on the load conductors facing downward.

⚠ CAUTION

FOR PROPER OPERATION, THE ADAPTERS MUST BE TORQUED TO THE GIVEN SPECIFICATION.

EATON

Powering Business Worldwide



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.

Figure 2. Step 1

Note: For narrow frame 4000 A to 5000 A, use two bolts (B), two conical spring washers (D), and four flat washers (E).

Eaton Corporation
Asia Pacific Headquarter
 No.3, Lane 280, Linhong Road,
 Changning District,
 Shanghai 200335
 Tel: 86-21-52000099
 Fax: 86-21-52000200

© 2018 Eaton Corporation
 All Rights Reserved
 Printed in China
 Publication No. IL2C12897H05 / Z15869
 August 2022

Eaton is a registered Trademark.

All other trademarks are property of their respective owners.