

# 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 BREAKER MUST BE REMOVED FROM ITS ENCLOSURE FOR THIS INSTALLATION PROCEDURE.**  
**(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 to the breaker or cassette. The instructions for this kit apply to the following Magnum frames: narrow frame up to 2000A, standard frame at 2000A, and double-wide frame at 4000A.

### **Required tools**

- 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 1/2 x 3 (six for three-pole installations, eight for four-pole installations)

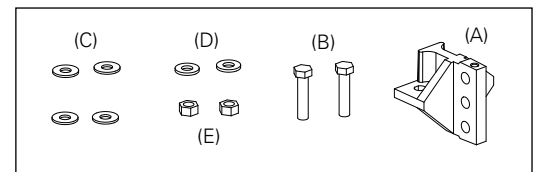
(B) M10 x 45 hex head screw (12 for three-pole installations, 16 for four-pole installations)

(C) M10 conical washer (12 for three-pole installations, 16 for four-pole installations)

(D) M10 flat washer (24 for three-pole installations, 32 for four-pole installations)

(E) M10 hex nuts

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



**Figure 1. Contents of Kit**

## **Section 2: Installation of vertical adapter kit**

To install a vertical adapter kit, proceed as follows:

**Step 1:** Mount one adapter to each conductor with two M10 x 45 mm hex head screws, two conical spring washers, four flat washers, and two hex nuts. Torque the bolts to 37–43 ft-lbs (50–58 Nm).

**Note:** The adapters mount on top of the line conductors and on the bottom of the load conductors.

## **⚠ CAUTION**

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

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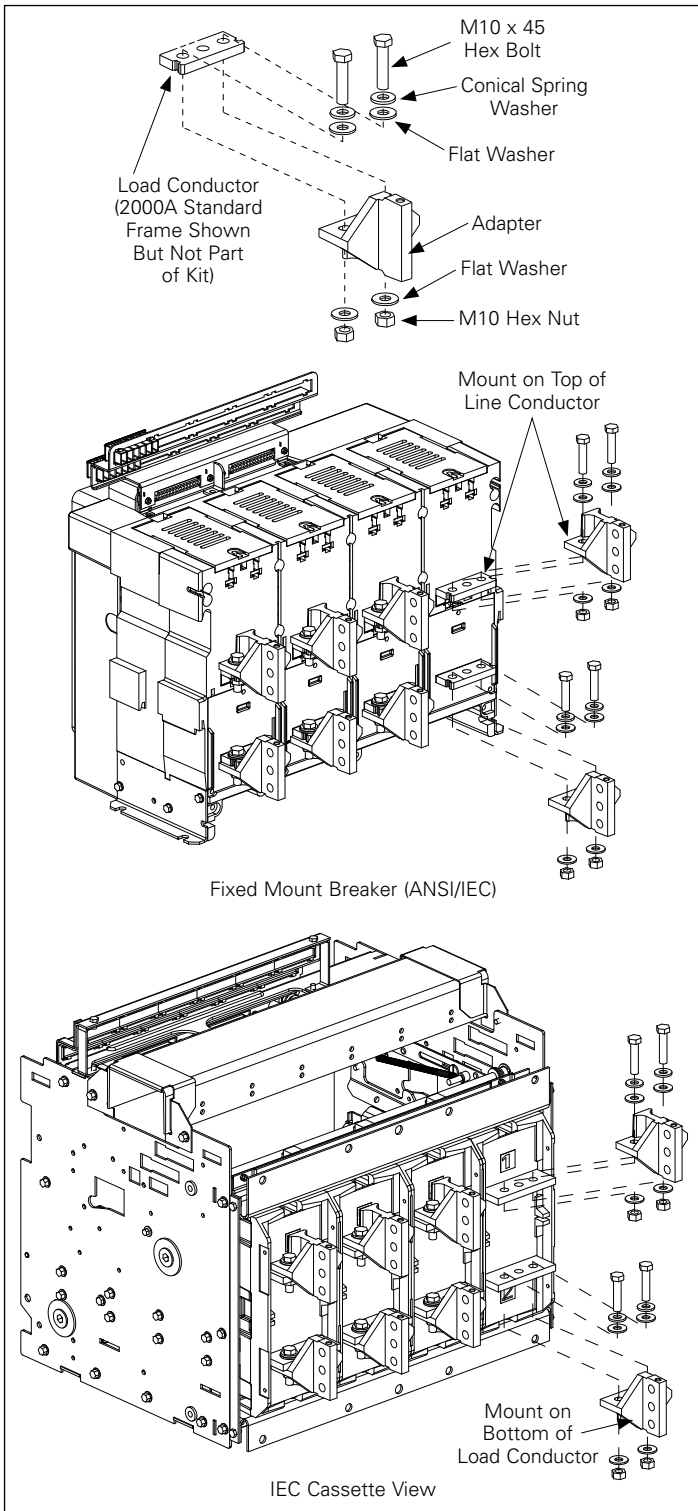


Figure 2. Step 1

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