Instructions for installation of universal bus adapter field option kit

⚠️ WARNING
DO NOT ATTEMPT TO INSTALL OR PERFORM MAINTENANCE ON EQUIPMENT WHILE ENERGIZED. BREAKER MUST REMAIN IN THE "OPEN" AND "DISCHARGED" CONDITION DURING THE INSTALLATION OF THIS ACCESSORY KIT. DEATH OR SEVERE PERSONAL INJURY CAN RESULT FROM CONTACT WITH ENERGIZED EQUIPMENT. ALWAYS VERIFY THAT NO VOLTAGE IS PRESENT BEFORE PROCEEDING.

NOTE
MANUFACTURER/SUPPLIER ASSUMES NO RESPONSIBILITY FOR DAMAGE DONE TO CIRCUIT BREAKERS OR OTHER EQUIPMENT DURING FIELD INSTALLATION OF ANY ACCESSORY.

Tools required
- 3/8-inch socket drive (with torque measuring capability)
- 9/16-inch socket

Figure 1. Contents of kit 2A10670G01 thru G06
Kits for 800 A to 2000 A cassettes

Kits for 800 A to 2000 A cassettes contain one conductor bar for each line and each load conductor. These conductors may be fastened either horizontally or vertically to any row of mounting holes in each bus. Assemble with the 3/8 x 2 inch long hex cap screws provided with the kit and torque to 35 ft-lb (46 N·m).

Kits for 2500 A to 3000 A cassettes

Kits for 2500 A to 3000 A cassettes contain two conductor bars for each line and each load conductor. These conductors may be fastened either horizontally or vertically as shown. Assemble with the 3/8 x 2 inch long hex cap screws provided with the kit and torque to 35 ft-lb (46 N·m).
**Kits for 3200 A cassettes**

Kits for 3200 A cassettes contain two conductor bars for each line and each load conductor, and two heat sinks to be mounted on each line (top) conductor. These conductors and heat sinks MUST only be mounted vertically as shown. Assemble with the 3/8 x 2 inch long hex cap screws provided with the kit.

Torque the conductor mounting screws to 35 ft-lb (46 N·m).
Torque the heat sink mounting screws to 25 ft-lb (33 N·m).

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**Customer bus connections**

Customer bus connections to the universal bus adapters should be made as illustrated below for horizontal stab mounting.

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*Figure 4. Mounting for 3200 A cassette*

*Figure 5. Horizontal stab mounting in inches (mm)*
Customer bus connections to the universal bus adapters should be made as illustrated below for vertical stab mounting.

See recommended customer bus connections

Assemble bus prior to heat sinks

35 lb-ft max. torque (46 N•m)

5.00 (127.0) typ

0.44 (11.2)

1.19 (30.2)

Customer bus

Customer bus

Customer bus

Customer bus

Customer bus

Customer bus

Bus adapter

Bus adapter

Bus adapter

Bus adapter

Bus adapter

Bus adapter

800 A bus

1200–2000 A bus (except MDSL 2000 and MDSX)

4000 A bus (2 sets required)

2500 A bus (except SBSE and MDSX)

MDSL 2000 A bus

MDSX 2000 A bus

SBSE 2000 A top and bottom stabs

MDSX (2 sets required) top stabs only

2500–4000 A bus SBSE (2 sets required) top stabs only

Figure 6. Vertical stab mounting in inches (mm)