

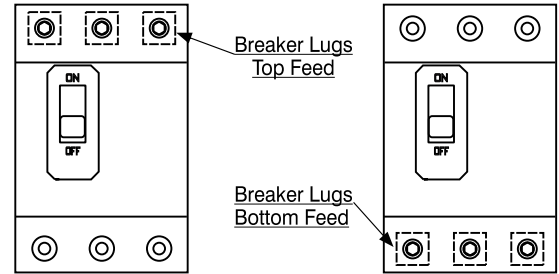
Installation Instructions



Note: This instruction outlines the recommended installation procedure. For installation by a qualified person, as defined by all local electrical codes and/or the National Electrical Code ®.

Turn off and lock off the power supplying the device before working inside.

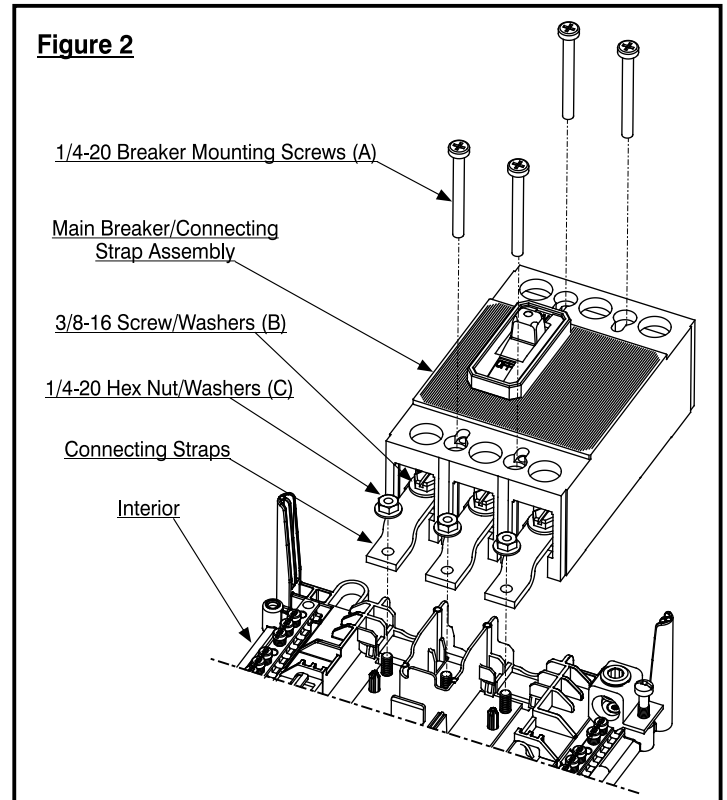
Figure 1
Main Breaker



A. To Install a Main Breaker in an Unassembled Panel

1. Install the load center interior assembly in the enclosure using the screws provided in the interior bag assembly.
2. Determine if the panel will be mounted for top feed (factory setting) or bottom feed. See Figure 1. "ON" position of breaker must be in the up position. See section D below for inverting instructions.
3. Install connecting straps on load side of breaker using the (3) 3/8-16x7/16" screw/washer assemblies provided in the kit. Install (1) on each QJ frame breaker pole. Do not tighten. See Figure 2.
4. Install the main breaker/connecting strap assembly on the interior bus bar/stud assembly using the (3) 1/4-20 hex nut/washer assemblies provided in the kit. Install (1) hex nut assembly on each bus bar stud. Do not tighten. See Figure 2.
5. Secure the main breaker/connecting strap assembly to the back of the enclosure using the (4) 1/4-20 x 2-7/16" long screws provided in the kit. Do not tighten.
6. Tighten all hardware as follows (See Figure 2):
 - (A) 1/4-20 x 2-7/16" breaker mounting screws – 45 lb-in.
 - (B) 3/8-16 x 7/16" screw/washer assembly – 150 lb-in.
 - (C) 1/4-20 nut/washer assembly – 45 lb-in.
7. Remove the break-out on the plastic main breaker insert in the trim assembly dead front and discard. If the main breaker has been inverted for bottom feed the plastic main breaker insert will need to be removed, rotated 180°, and reinstalled. See Figure 3.

Figure 2



B. To Convert a Main Lug Panel to a Main Breaker Panel

1. Follow steps 2 and 3 in section A.
2. Remove the (3) factory installed 1/4-20 hex nut/washer assemblies and main lugs from the interior bus bar/stud assemblies and discard. Remove (1) hex nut assembly and lug per bus bar.
3. Follow steps 4-7 in section A.

C. To Change a Main Breaker in a Main Breaker Panel

1. Follow Steps 2 and 3 in section A.
2. Remove the (4) 1/4-20 x 2-7/16" long screws securing the factory installed main breaker to the enclosure and discard. Remove the (3) factory installed 1/4-20 hex nut assemblies and main breaker/connecting strap assembly from the interior bus bar/stud assemblies and discard. Remove (1) hex nut assembly per bus bar.
3. Follow steps 4-7 in section A.

D. To Invert the Main Breaker for Bottom Feed

1. Remove the wire binding screws from the breaker lugs.
2. Remove the screw securing the lug to the breaker strap.
3. Install lugs on opposite end of breaker and secure in place using the screws removed in step 2. Tighten screws to 150 lb-in.
4. Install the wire binding screws in the lugs.

Figure 3

