



# 3-CABEQ Equipment Enclosure Seismic Kit Installation Sheet

## Description

This document describes how to install the 3-CABEQ seismic kit in 3-CAB7, 3-CAB14, and 3-CAB21 equipment enclosures.

Installing a 3-CABEQ seismic kit keeps the backup batteries, data cable connections, and a 4-CAB series door in place should a seismic event (earthquake) occur. This helps to maintain fire system operability. The kit provides a cross bracket, corner brackets, cable ties, rubber washers, and the necessary mounting hardware.

## Installation

Installing the 3-CABEQ kit consists of three steps:

Step 1: Installing the battery brackets.

Step 2: Securing the data cable connections on the rails for cabinets with 3-CHAS7 or 3-CHASS4 chassis.

Step 3: Modifying the 3-CAB backbox door stops for a 4-CAB series door.

## WARNINGS

- Remove all sources of power and allow stored energy to discharge before installing or removing equipment. Failure to do so can result in personal injury from shock.
- Do not touch the battery terminals with the battery brackets when installing the brackets. Failure to follow these instructions can result in personal injury or equipment damage.

## Cautions

- Circuit boards are sensitive to electrostatic discharge (ESD). To avoid damage, follow ESD handling procedures.
- Shavings can fall into the cabinet when drilling the battery bracket holes. To avoid damage to components inside the cabinet, clean up the shavings.

## Step 1: Installing the battery brackets

Install the 3-CABEQ battery brackets for the battery configurations listed below.

Battery configuration	Description
10 Ah	Supports two 12 V, 10 Ah batteries
17 Ah	Supports two 12 V, 17 Ah batteries

## Notes

- Do not drill the bracket mounting holes into a knockout.
- When installing the left-hand and right-hand brackets, you may see a gap of up to 5/8 in.

## To install the battery brackets:

- After de-energizing the unit, set the batteries in the bottom of the cabinet. Make sure they are pushed together, centered, and against the back wall.
- Rest the cross bracket (P/N 9000842-01) across the top of the batteries, at least 1/2 in. away from the battery terminals, and mark the mounting holes. See Figure 1.
- Position the left-hand bracket (P/N 9000833-01) around the front corner of the left battery and against the cabinet floor, as shown in Figure 1, and mark the mounting holes.
- Position the right-hand bracket (P/N 9000833-02) around the front corner of the right battery and against the cabinet floor, as shown, and mark the mounting holes.
- Remove the batteries. Drill bracket mounting holes where marked, using a number 18 drill bit.
- Replace the batteries and install the brackets using the hardware provided. See Figure 1.

## Step 2: Securing the data cable connections on the rails

When the cabinet has 3-CHAS7 or 3-CHASS4 chassis installed, you must tie down the data cables on the rails to ensure that the cables will not disconnect. Figure 2 provides an example of how to wrap a cable tie diagonally around two data cable connectors and the rail. If you choose a different method of wrapping the tie, make sure you encompass the connectors.

## To secure the data cable connections:

- Wrap a cable tie over the data cable connectors and around the rail. See Figure 2.
- Make sure the cable tie is over the connectors and then pull it tight.
- Cut off any excess cable tie.
- Repeat the procedure for each rail.

## Step 3: Modifying the 3-CAB backbox door stops for a 4-CAB series door

When a 4-CAB series door will be installed on the 3-CAB backbox, you must modify each backbox door stop to ensure that the door lock does not disengage.

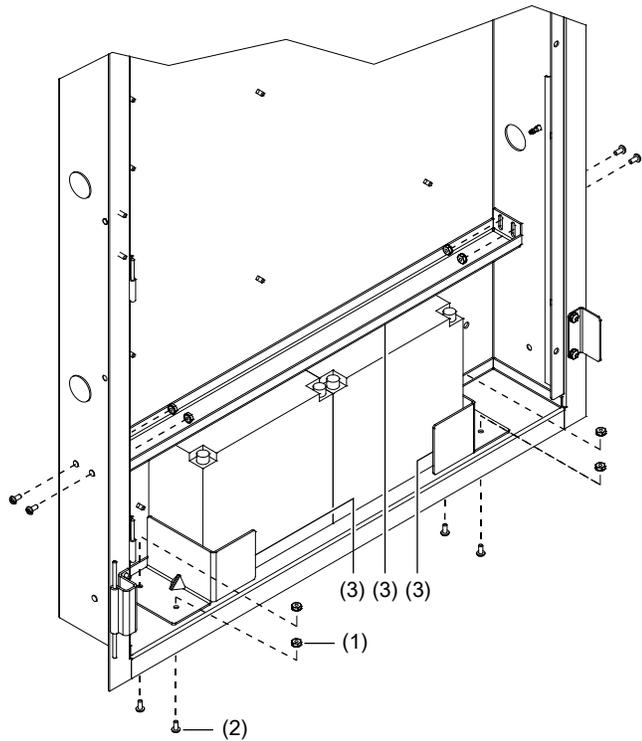
**Note:** Install the rubber washers only on 3-CAB7B, 3-CAB14B, and 3-CAB21B backboxes using 4-CAB16D, 4-CAB24D, and 4-CAB24DL doors.

## To modify the 3-CAB backbox door stops:

- Remove each door stop from the mounting studs, on the backbox. See Figure 3, item 3.
- Place two rubber washers on each door stop mounting stud (Figure 3, item 2), and then reattach the door stops.

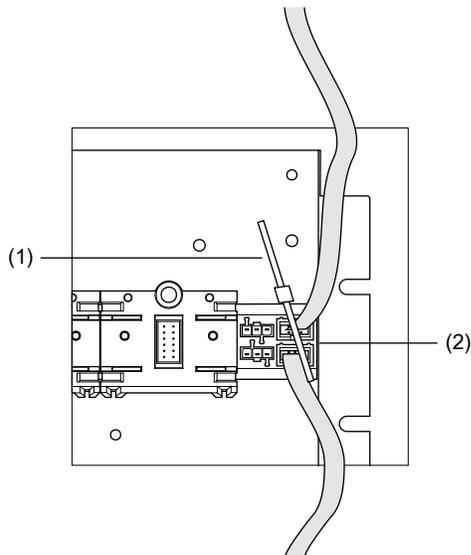


**Figure 1: Installing the battery brackets**



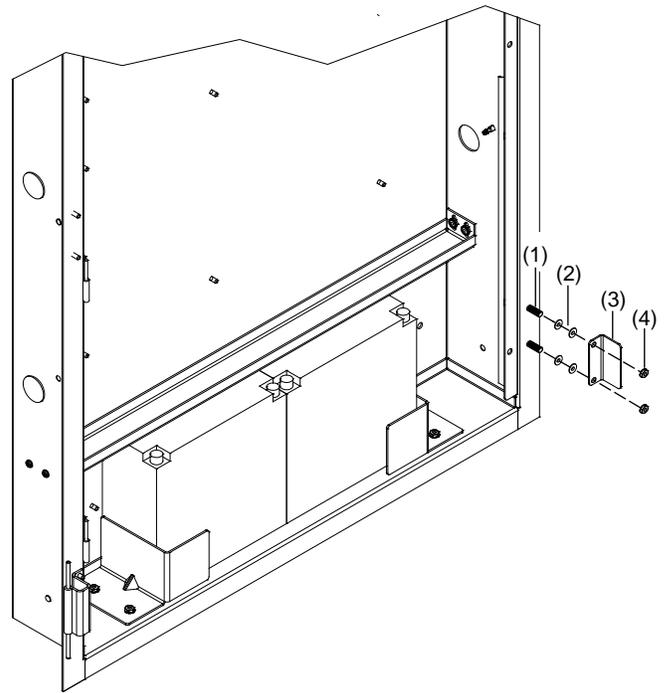
- (1) #8-32 K-nut (8X)
- (2) #8-32 x 1/2 screw (8X)
- (3) Battery brackets

**Figure 2: Securing the data cable connections on a rail**



- (1) Cable tie
- (2) Data cable connections

**Figure 3: Modifying the 3-CAB backbox door stops for a 4-CAB series door**



- (1) Backbox door stop mounting stud
- (2) Two 0.17 x 0.375 rubber washers for each mounting stud (4X for each backbox door stop)
- (3) Preinstalled door stop
- (4) Preinstalled #8-32 K-nut

**Contact information**

For contact information, see [www.edwardsfiresafety.com](http://www.edwardsfiresafety.com).