Charles Toggle Bolt Mounting Kit

97-TOGBOLT5-A

General Description and Installation
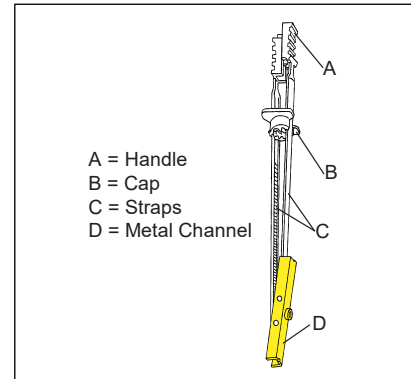
A = Handle
B = Cap
C = Straps
D = Metal Channel

Figure 1   Toggle Bolt Components

1. GENERAL INTRODUCTION

1.1. Document Purpose

This document provides general information for the 97-TOGBOLT5-A toggle bolt kit. Figure 1 shows the toggle bolt. Flat and lock washers are not shown.

> *-NOTE-*
>
> *Hereafter, the Charles 97-TOGBOLT5-A toggle bolt kit will be referred to as the "kit." The CFITH-144 fiber terminal will be referred to as the "CFITH." The OHC-288/432/576 models will be referred to as the "OHC." The P243624YBGTHXXX below grade enclosure used for mounting the CFITH will be referred to as the "BGE." The C304836HEETHXFO TRUE series mounting pad will be referred to as the "TRUE."*

1.2. Product Purpose

The kit consists of toggle bolts and washers that are intended to mount the CFITH enclosure onto the lid of the BGE, or the OHC enclosure onto the lid of the TRUE.

2. INSTALLATION

2.1. Obtaining Tools and Equipment

Obtain the following recommended or needed items for installing the kit.

- Protective and/or insulated work gloves
- Safety glasses
- Measuring tape
- Tape
- Torque wrench
- Drill with 3/4" bit
- Socket wrench

2.2. Mounting the CFITH onto the BGE

2.2.1. *Prepare the BGE for Mounting*

Mounting holes for the CFITH are not present in the BGE lid. Use the following procedure to drill holes in the lid.

1. Align one hole in the gasket with the existing hole on the BGE nearest to the top right corner of the cutout (Figure 2).
2. Ensure the bottom of the gasket opening is 1.5" away from the bottom cutout edge (Figure 3).
3. Use the grid lines on the BGE lid to make sure the gasket is properly lined up and is parallel to the cutout.
4. Tape the gasket in place.
5. Drill all four holes using a 3/4" bit.
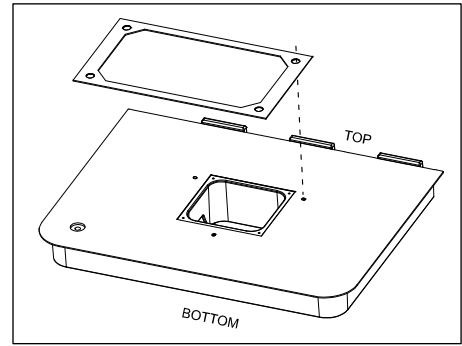6. Clean debris from the BGE lid.

2.2.2. *Prepare the CFITH*

The CFITH has a plinth with access panels on the front and rear, each held in place with four bolts. Use a socket wrench to remove these panels (Figure 4). Set the panels and the bolts aside for later re-installation.
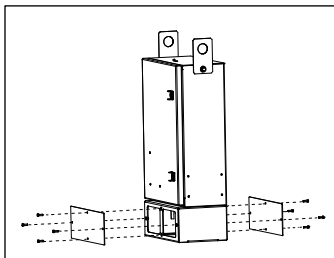
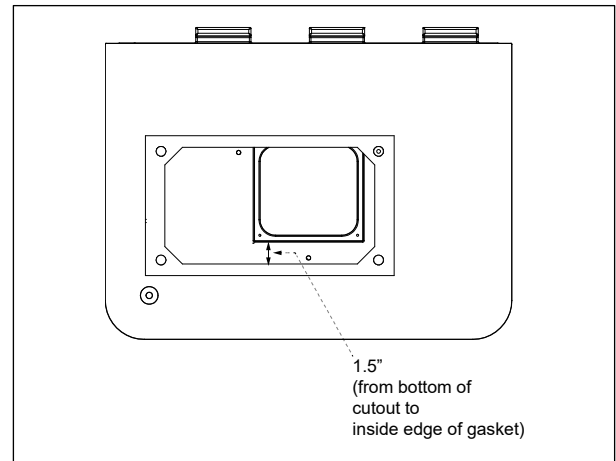

Figure 4   Remove Panels

2.2.3. *Mount the CFIT Using the Kit Hardware*

Locate the toggle bolts and washers.

1. Install the toggle bolt anchors into the mounting holes:
   a. Hold the metal channel parallel to the straps (as pictured in Figure 1).
   b. Slide the channel downward through the mounting hole until the entire channel is underneath the BGE lid. Then pull the straps upward until the channel is flush against the underside of the lid.
   c. Slide the cap downward along the straps until the cap is firmly pressed into the hole with the cap flange flush against the edge of the hole.
   d. Snap the straps off level with the cap flange by wiggling them side-to-side.
2. Remove the tape holding the gasket in position.
3. Lower the CFITH onto the gasket, following the instructions included with the CFITH. The CFITH door should face the top of the BGE lid. Make sure that the holes on the bottom of the CFITH plinth are aligned with the toggle anchor caps (Figure 5). Dress the cable/conduit so that it aligns with the CFITH and the BGE cutout.
4. Use the 1/2-13 bolts, lock washers, and flat washers to secure the CFITH to the BGE. Tighten to 42 ft-lbs.
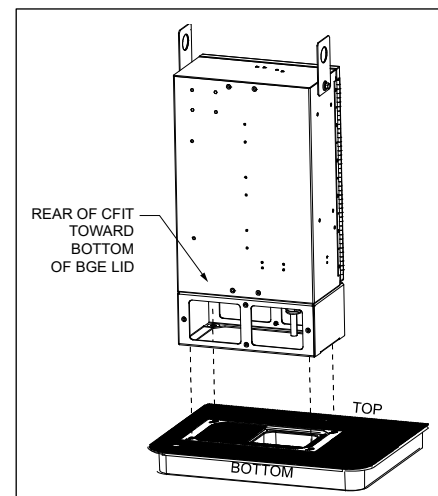5. Replace the front and rear access panels on the CFITH plinth.

Figure 2   Place Gasket on BGE Lid

1.5"
(from bottom of cutout to inside edge of gasket)

Figure 3   Distance to BGE Cutout

REAR OF CFIT TOWARD BOTTOM OF BGE LID

**Figure 5
Mount CFITH on BGE Lid**

2.3. Mounting the OHC onto the TRUE

The TRUE already has appropriate mounting holes, so no drilling is needed.

2.3.1. *Prepare the OHC*

The OHC has a plinth with access panels on the front and rear, each held in place with bolts and washers. Use a socket wrench to remove these panels (Figure 6). Set the panels and the hardware aside for later re-installation

2.3.2. *Mount the OHC Using the Kit Hardware*

Locate the toggle bolts and washers.

1. Install the toggle bolt anchors into the mounting holes:
    a. Hold the metal channel parallel to the straps (as pictured in Figure 1).
    b. Slide the channel downward through the mounting hole until the entire channel is underneath the TRUE lid. Then pull the straps upward until the channel is flush against the underside of the lid.
    c. Slide the cap downward along the straps until the cap is firmly pressed into the hole with the cap flange flush against the edge of the hole.
    d. Snap the straps off level with the cap flange by wiggling them side-to-side.
2. Place the OHC gasket onto the TRUE lid, aligning the mounting holes in the gasket with the holes in the lid.
3. Lower the OHC onto the gasket, following the instructions included with the OHC (Figure 7). Dress the cable/conduit so that it aligns with the OHC and the TRUE cutout.
4. Use the 1/2-13 bolts, lock washers, and flat washers to secure the OHC to the TRUE. Tighten to 42 ft-lbs.
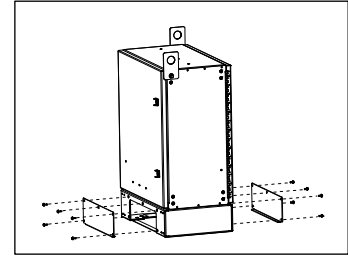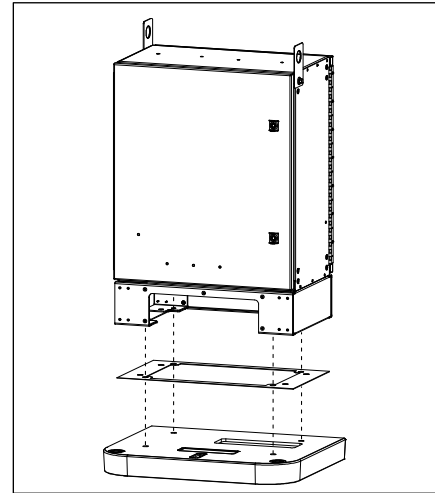5. Replace the front and rear access panels on the OHC plinth.

3. TECHNICAL ASSISTANCE AND CUSTOMER SERVICE

For questions on product repair or if technical assistance is required, contact Charles Technical Support.

> 847-806-8500
> techserv@charlesindustries.com (email)
> http://www.charlesindustries.com/techserv.htm

For questions on warranty or other customer service assistance, contact your Charles Customer Service Representative.

> 847-806-6300
> mktserv@charlesindustries.com (email)
> http://www.charlesindustries.com/main/telecom_sales_support.htm

Figure 6   Remove Panels

Figure 7
Mount OHC on TRUE Lid