

25500055A REV A1 0819

## Safety Message to Installers

It is important to follow all instructions shipped with this product. This device is to be installed by trained personnel who are thoroughly familiar with the country electric codes and will follow these guidelines as well as local codes.

The selection of mounting location for the device, its controls and the routing of the wiring is to be accomplished under the direction of the facilities engineer and the safety engineer. In addition, listed below are some other important safety instructions and precautions you should follow:

- Read and understand all instructions before installing or operating this equipment.
- Disconnect the device from the power supply before any installation or maintenance is performed.
- Do not open the enclosure when hazardous atmosphere is present.
- After installation, test the beacon to ensure that it is operating properly.
- To avoid electrical shock, do not connect the beacon to the system while the power is on.
- Establish a procedure to routinely check the beacon installation for integrity and proper operation.

Failure to follow all safety precautions and instructions may result in property damage, serious injury, or death.

## Product Overview

The Model KIT-WBTB terminal block kit enables you to easily terminate wires from a Federal Signal beacon within the back box of the Model LHWB Vertical Mount Wall Bracket. The kit is shipped with the parts listed in Table 1. For installation information about the Model LHWB, see doc. no. 2562539.

**Table 1** Kit contents

Qty.	Description	Part Number
1	Bracket Assy., Terminal Block	77700108-01
1	Screw, #8-32, Phillips, Flat Head	70000110-06
1	Terminal Block, 8-Position	229328
1	Screw, Machine, #4-40, Phillips	7000A403-10

## Installing the Kit



**WARNING**

**EXPLOSION HAZARD: Do not disconnect the beacon while the circuit is live or unless the area is known to be free of ignitable concentrations.**



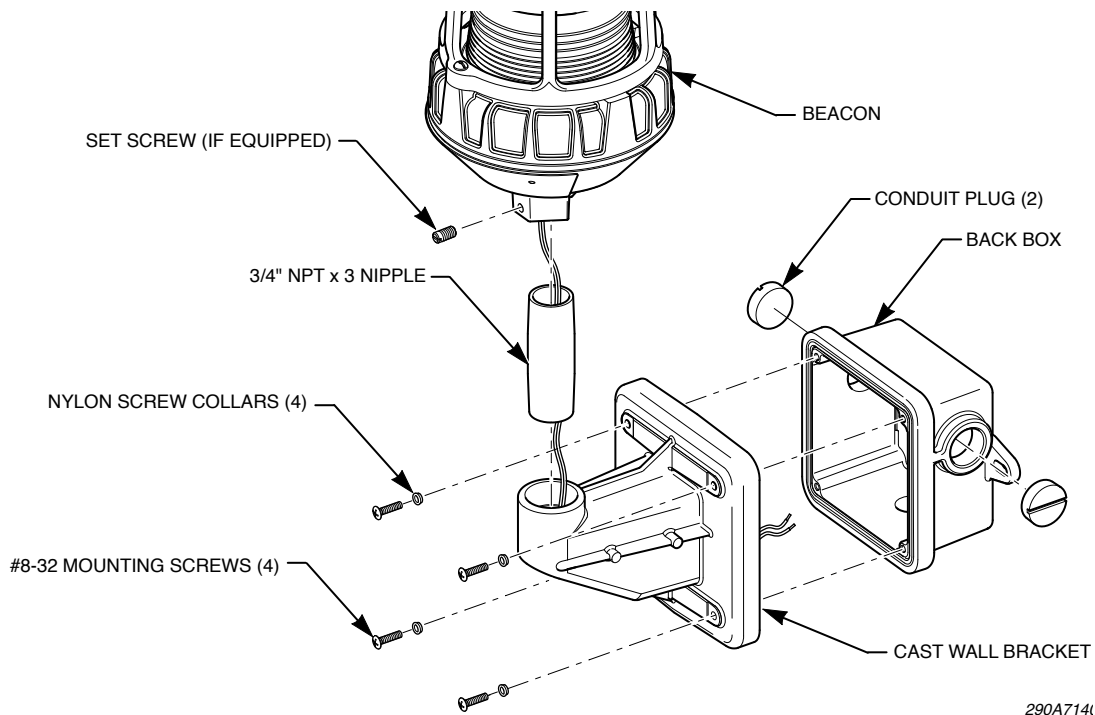
**WARNING**

**EXPLOSION HAZARD: Substitution of any components may impair suitability for Class I, Division 2 and Class II, Division 2 Hazardous Locations.**

To install the kit:

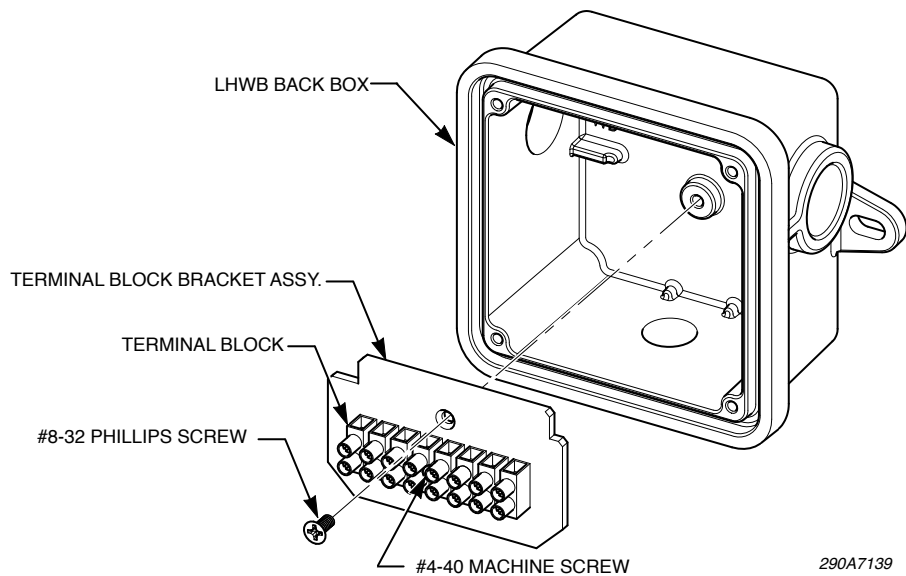
1. Disconnect power to the beacon.
2. See Figure 1 on page 2. While supporting the beacon and wall bracket assembly, remove the four #8-32 nylon screws and screw collars that secure the assembly to the back box.
3. Disconnect the beacon wires from the supply wires, and set the beacon and wall bracket assembly aside.

**Figure 1** Exploded view of light with LHWB mounting



- See Figure 2. Use the #8-32 flat head Phillips screw included with the kit to secure the terminal block with wall bracket to the inside of the back box.

**Figure 2** Terminal block and bracket assembly secured to back box



- Terminate the wires from the beacon through the wall bracket to the supply wires via the terminal block. Use only wire sizes 20-12 AWG. Tighten the terminal block screws to 4.0 in-lb.
- Secure the beacon and wall bracket assembly to the back box with the four #8-32 nylon screws and screw collars removed in step 2.
- Reapply power and test the beacon for proper operation.