

SABRE® 9" by 7" CATV Enclosure



Figure 1

1. General

1.1 This document describes the application and installation of the SBR3 CATV enclosure manufactured by Corning Cable Systems.

1.2 The SBR3 is an outdoor enclosure designed specifically for CATV single dwelling unit (SDU) applications. With its array of mounting bosses, the enclosure accepts virtually all coaxial drop components typically used in SDU applications, such as ground blocks, protectors, and splitters.

1.3 Read this instruction thoroughly before beginning an installation. Determine cable entry locations and prepare the enclosure appropriately before mounting it. Note that rear exit of the cable requires removal of the knockout prior to mounting.

1.4 This document is being reissued to include updated corporate information.

NOTE: *All applicable regulatory requirements supersede this document.*

2. Tools and Equipment

A normal complement of tools are required for installation.

3. Component Installation

3.1 If components will be located within the unit by using hook-and-loop straps, cable ties, etc., skip this section. If components will be installed using screw-type fasteners, install the components into the unit before mounting the unit to the dwelling.

3.2 Locate components as shown in Figure 2 to achieve the largest cable bend radius. If applicable, allow room around the outside perimeter of the base to accommodate cable slack storage. Figure 2 shows a typical installation with internal slack storage. Use #8 thread forming screws to install all components (#6 may be used if necessary). A $\frac{3}{8}$ -inch screw length is suggested for most applications — care should be taken not to over-torque screws.

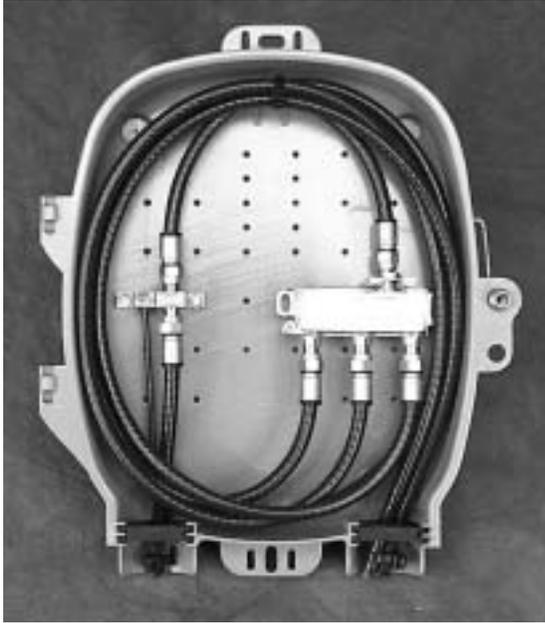


Figure 2

3.3 If cable ties or equivalent will be used for cable strain-relief, route them through the strain-relief slots provided (Figure 3) **prior** to mounting the unit.

Also, if cable will be routed through the back of the unit, place the unit on a horizontal flat surface and remove the rear exit knockout with a screwdriver handle, or equivalent, prior to mounting.

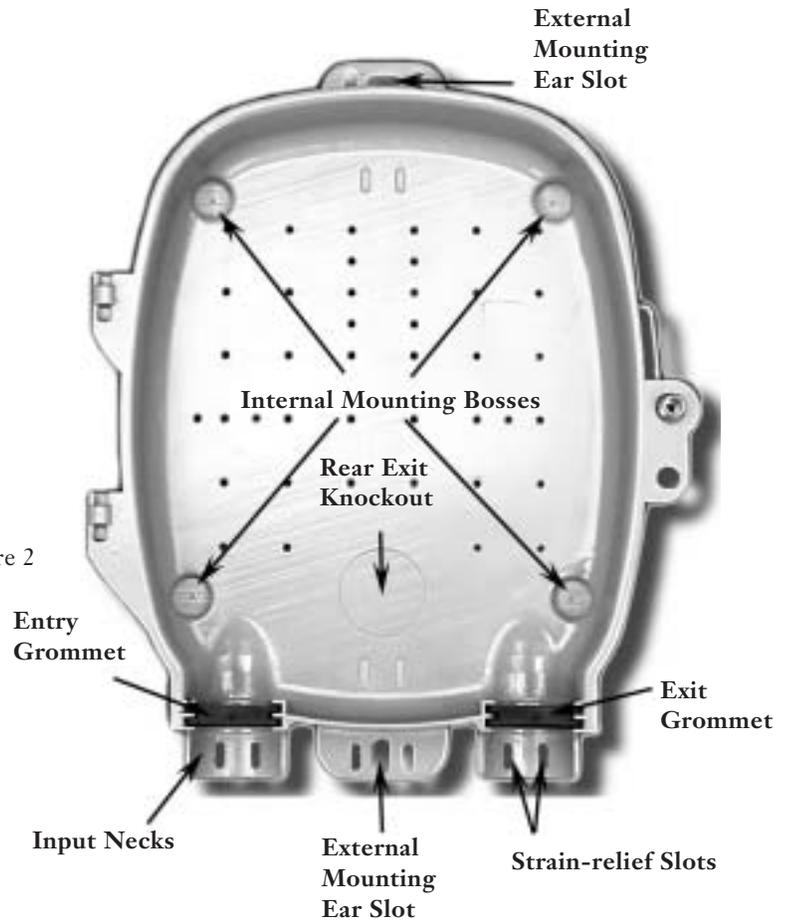


Figure 3

⚠ CAUTION: Do not use a hammer.

4. Enclosure Installation

4.1 Mount the unit in a vertical position, near approved ground but away from down spouts, permanent sprinklers, or other water source. The technician should have easy access to the unit for wiring and testing.

4.2 Surface Mounting.

4.2.1 The unit may be surface mounted using internal mounting bosses or external mounting slots (Figure 3). To

prevent warping, mount the unit on a flat surface. If necessary, use shims to simulate a flat mounting surface. Screw sizes recommended are #10 or #12.

4.2.2

When mounting through internal bosses, use a sharp pointed screw fastener (such as a gimlet point) to screw through the bosses. An indentation in the center of each boss has been provided to aid in properly locating the screw tip.

4.3 Conduit Mounting. The unit may be conduit mounted by using the internal or external slots provided (Figure 4). Note that the rear exit option is not available when mounting to conduit.

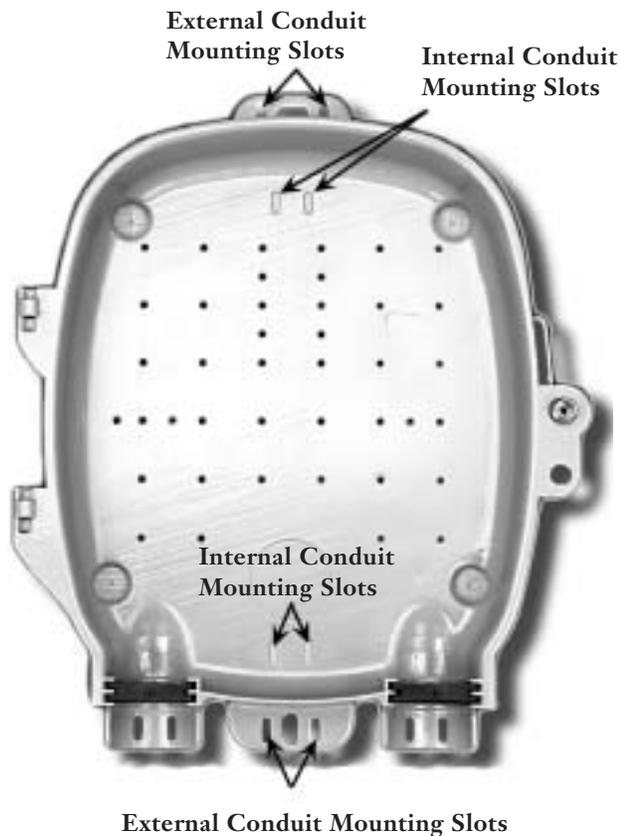


Figure 4

4.3.1 Using External Mounting Slots.

Route cable ties, or equivalent, through mounting slots and around the conduit. Tighten securely.

4.3.2 Using Internal Mounting Slots.

Use a drill or standard screwdriver and hammer to form holes in the area of the internal conduit mounting slots (Figure 5). Route cable ties, or equivalent, through mounting slots and around conduit. Tighten securely.

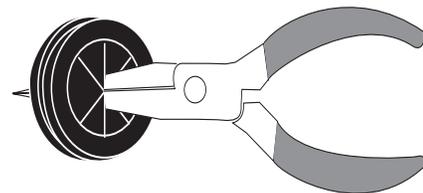


Figure 5

5. Cable Installation

5.1 Bottom Entry and Exit.

- Remove the entry and exit grommets from the unit.
- Prepare the grommets as shown in Figure 6 to provide a water-resistant seal around the cable.
- Replace the grommets and route the cable through them as shown in Figure 2.



Grommet Preparation

Use a pair of needle-nose pliers or equivalent to pierce the grommet. Do not use a knife or cutters.

Grommets must fit tightly to prevent the intrusion of insects, water, dirt, or foreign particles. A knife may cut all the way through the grommet, and cutters may cut a hole that is too large for a tight fit.

Figure 6

5.2 Rear Exit. Per the “**Surface Mounting**” section, the rear exit knockout (Figure 3) should have been removed prior to mounting the unit. Route the cable out the rear of the unit directly into the dwelling.

5.3 Slack Storage. In order to avoid possible signal degradation, care should be taken to allow for the largest obtainable cable bend radius. This can be achieved by locating all drop components such that cable routing can take place around the outside perimeter of the base. Figure 2 shows an example of a typical installation. In some applications, cable slack storage may have to be stored outside the enclosure.

6. Seal and Close Unit

6.1 To ensure adequate sealing, use an outdoor rated RTV sealant, or equivalent, on the open slots once the unit has been mounted.

6.2 Close enclosure cover and secure with appropriate fastener.

Corning Cable Systems welcomes your comments concerning this Standard Recommended Procedure. You may send your comments to the following address:

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You may also submit comments via email to:
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