CDP-1211 Housebox™ Cable Demarcation Enclosure

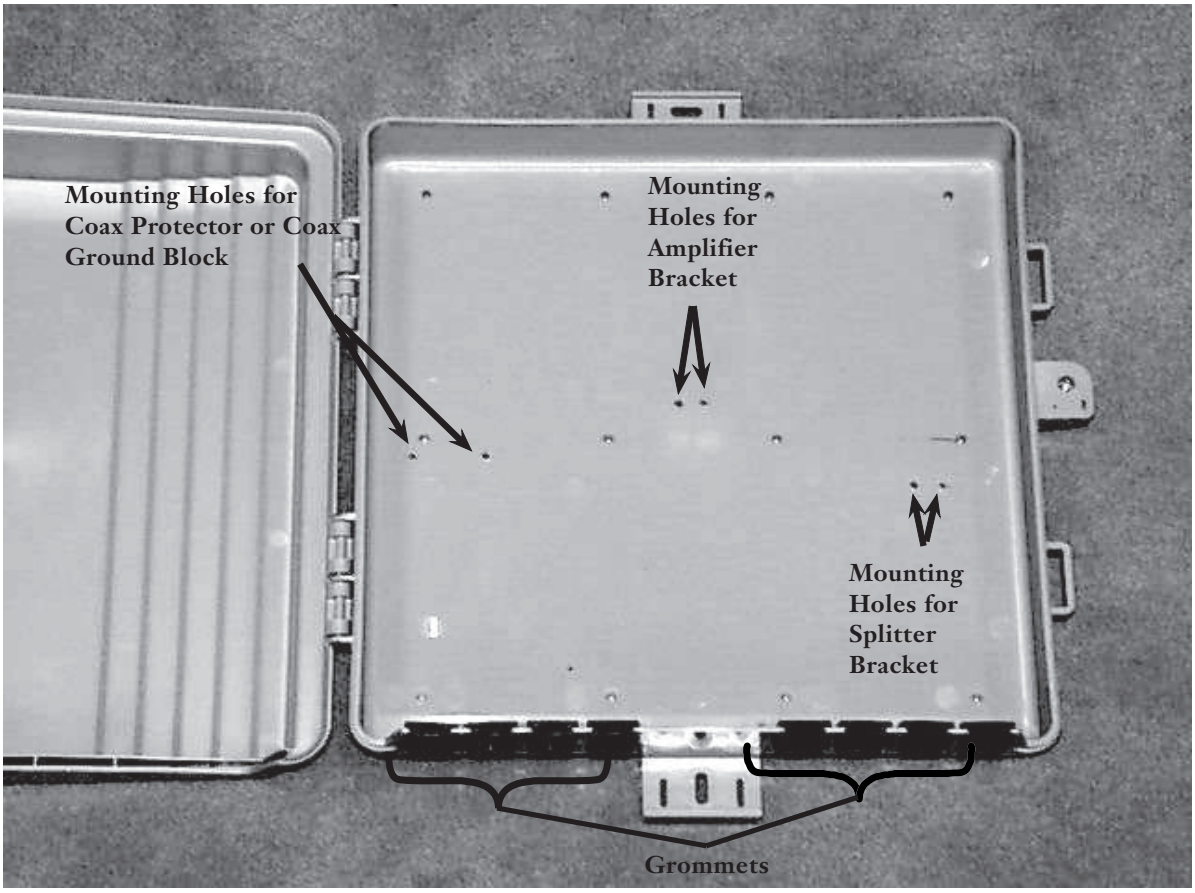


Figure 1

1. General

1.1 This document describes the installation of the CDP-1211 Housebox™ cable demarcation enclosure, manufactured by Corning Cable Systems.

1.2 The CDP-1211 Housebox is an outdoor demarcation enclosure designed specifically for CATV applications and is appropriate for use in locations that require multiple cable outlets. The enclosure accommodates most ground blocks or ground block/coax protector combinations. It can also house a four-output drop amplifier and up to two of any combination of 2-, 3-, or 4-way splitter.

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

2. Tools and Equipment

A normal complement of mechanical tools is recommended for installation.

3. Mounting Location

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

3.2 **Surface Mounting.** The unit may be surface mounted using external mounting ears. Mounting the unit on a flat surface will prevent warping. Use flat washers as shims to square the unit on uneven surfaces. Mount the unit using two (2) screws: one located at the bottom and one at the top (Figure 2).

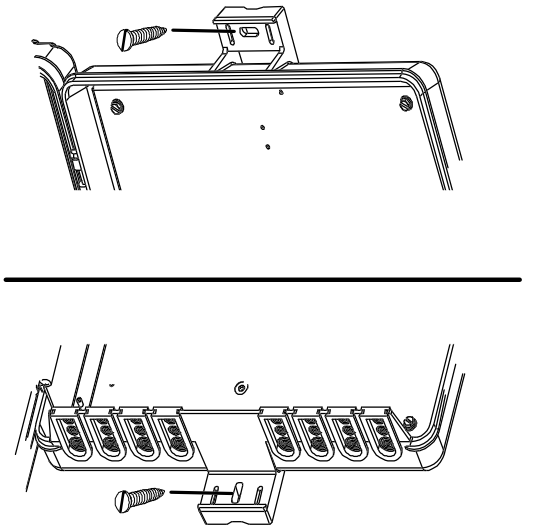


Figure 2

3.3 Conduit Mounting. The unit may be mounted directly to a vertical section of conduit. Take care to mount the unit in a vertically level position to prevent water from entering. Locate slots in the external mounting tabs on top and bottom of the unit (Figure 2), and use a metal strap to secure the unit to conduit. Do not use the metal strap as a grounding device.

4. Installing a Coax Protector or Coax Ground Block

4.1 Locate the mounting holes indicated in Figure 1 for mounting the coax protector or coax ground block to the backplate.

4.2 Mount the coax protector or coax ground block to the backplate as shown in Figure 3.

5. Installing Coax Cables

5.1 Remove the appropriate entrance grommet at the bottom of the unit (Figure 1) for routing incoming coax cable to the coax protector or coax ground block. The grommet is designed to provide a watertight seal around the coax cable. Use a pair of needle-nose pliers or a pencil point to punch a hole in the grommet (Figure 4).

5.2 Thread incoming coax cable through the entrance grommet hole. Remove the protective rubber cap from the end of the coax protector. Terminate the coax cable to the coax protector or coax ground block as shown in Figure 3.

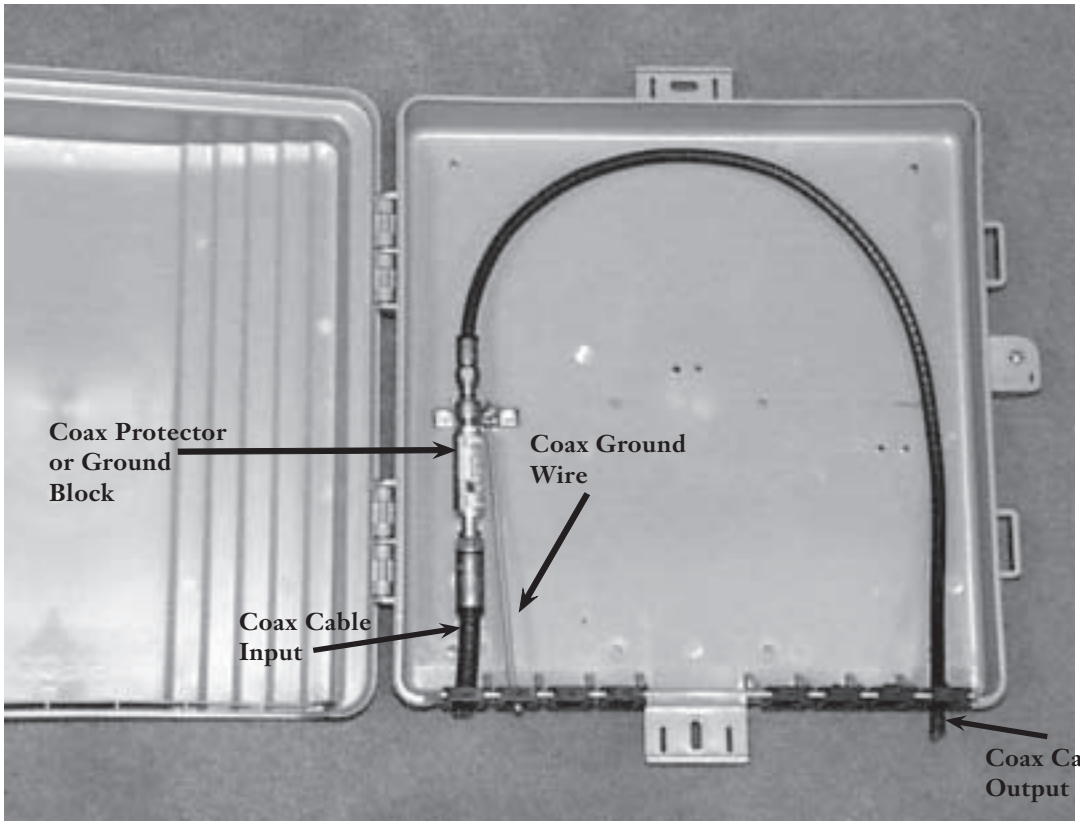
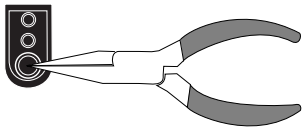


Figure 3



Use a pair of needle-nose pliers or sharp pencil 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.

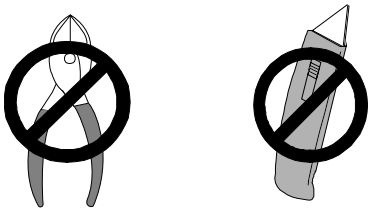


Figure 4

6. Wiring a Single Coax Cable to Premises

Remove the appropriate grommet located at the bottom of the unit (Figure 1). The grommet is designed to provide a watertight seal around the coax cable. Punch a small hole in the grommet using a pair of needle-nose pliers or a pencil point. Thread the subscriber coax cable through the entrance grommet hole. Terminate the coax cable to the opposite end of the coax protector or ground block as shown in Figure 3. Be sure to reseat the grommet into the base once the cable has been terminated.

7. Wiring Coax Cable to Premises Using Coax Splitters

7.1 Coax splitter brackets are available from Corning Cable Systems. Please contact the Customer Service Representative to obtain a bracket.

7.2 Mount the coax splitter bracket to the backplate in the holes indicated in Figure 1 using two #6-19x$^{3}/_{8}$ thread-forming screws.

7.3 Mount the coax splitter to the splitter bracket as shown in Figure 5.

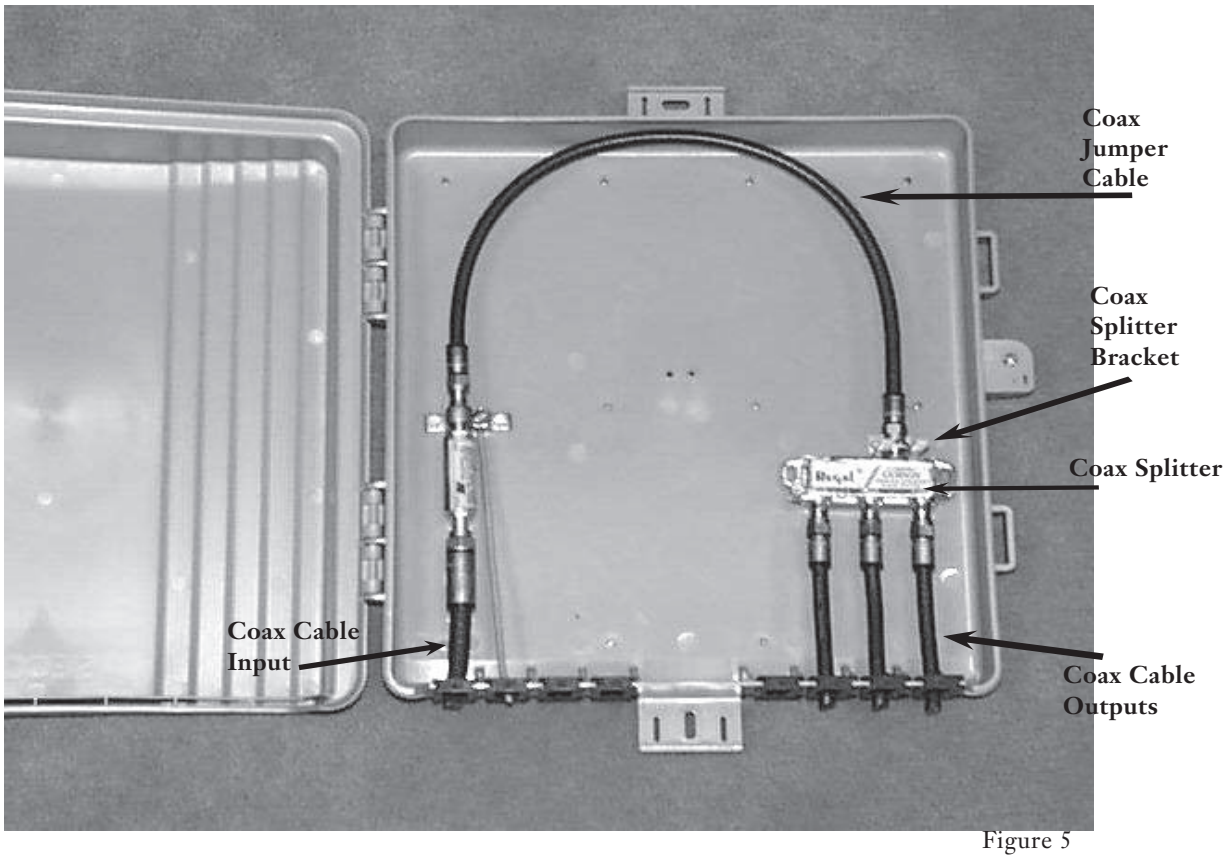


Figure 5

7.4 Terminate a coax jumper cable from the top side of the coax protector or ground block to the input of the coax splitter.

7.5 Remove the appropriate grommet located at the bottom of the unit (Figure 1). The grommet is designed to provide a watertight seal around the cables.

7.6 Punch a small hole in the grommet using a pair of needle nose pliers or a pencil point. Thread the coax cable through the entrance grommet hole. Terminate the coax cable to one of the outputs on the coax splitter as shown in Figure 5. Repeat this step to wire additional coax cables in the unit. Be sure to reseat the grommet into the base once the coax cable has been terminated.

8. Wiring Coax Cable to a Coax Amplifier

8.1 Coax amplifier mounting brackets are available from Corning Cable Systems. Please contact the Customer Service Representative to obtain the bracket.

8.2 Mount the amplifier bracket to the backplate in the mounting holes indicated in Figure 1 using two #6-19x$^{3}/_{8}$ thread-forming screws.

8.3 Mount the coax amplifier to the amplifier bracket by using two #6-19x$^{3}/_{8}$ thread-forming screws. Mount the amplifier as shown in Figure 6.

8.4 Terminate the coax power cable to the power input on the coax amplifier as shown in Figure 6. Route the coax power cable out the appropriate grommet.

8.5 Terminate a coax jumper cable from the top side of the coax protector to the input connection on the coax amplifier as shown in Figure 6.

8.6 Output coax cables from the amplifier can be dressed directly out of the unit or they can be jumpered to mounted coax splitters within the unit as shown in Figure 6.

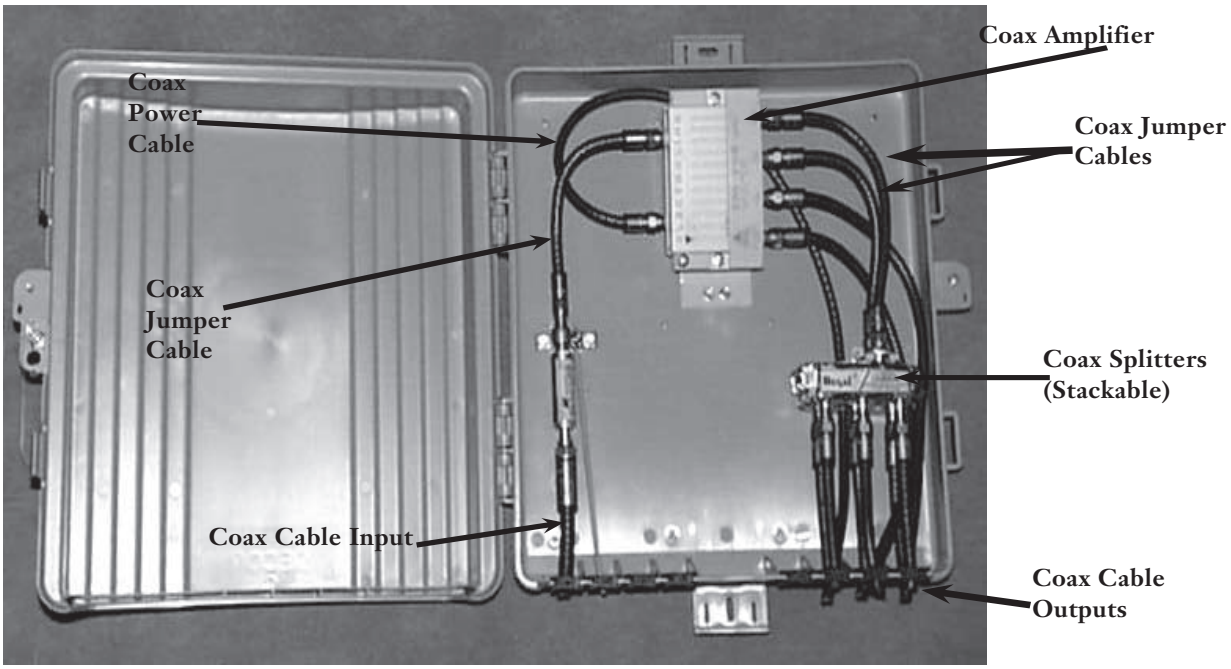


Figure 6

9. Wiring Multiple Coax Cables from the Unit to the Premises

9.1 Remove the appropriate grommet located at the bottom right of the unit (Figure 1). The grommet is designed to provide a watertight seal around the cables.

9.2 Punch a small hole in the grommet using a pair of needle-nose pliers or a pencil point. Thread the coax cable through the entrance grommet hole. Terminate the coax cable to an output on the coax amplifier or coax splitter as shown in Figure 6. Repeat this step to wire additional coax cables in the unit.

9.3 Be sure to reseat the grommet into the base once all the coax cable has been terminated.

9.4 Close the outer cover to prevent moisture from entering. Secure the unit by tightening the security screw.

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