

PART NUMBER●		DESCRIPTION
20 A	15 A (Canadian Version)	
553947-[]	554128-[]	Single Duplex
554192-[]	554321-[]	Dual Duplex
554142-[]	554319-[]	Combination (Duplex Receptacle and Blank)

● Dash Number Indicates Color: -1 is Black, -3 is Gray

Figure 1

**NOTE**  
 All dimensions on this document are in metric units [with U.S. customary units in brackets]. Figures are not drawn to scale.

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### 1. INTRODUCTION

This instruction sheet covers installation and removal of the DCR kits shown in Figure 1. The DCR kits accept 3-conductor undercarpet cable size 10 or 12 AWG. The blank side of the combination DCR kit accepts Modular Jack Kits 558054-1 (Category 5e) and 1933377-1 (Category 6) available separately. Modular Jack Bracket Assembly 1499543-1 (used to mount the jack to the mounting plate) is also available separately.

Undercarpet Hold-Down Tape 553481-1 is available for securing the cable to the floor.

Reasons for reissue of this instruction sheet are provided in Section 5, REVISION SUMMARY.

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### 2. DESCRIPTION

Each DCR kit consists of one or two mounting plates, one or two duplex receptacle assemblies, a cover, four top shield bonding clips, and attaching hardware.

### 3. INSTALLATION PROCEDURE



**TO AVOID PERSONAL INJURY**, disconnect the electrical power before beginning work on any circuit.

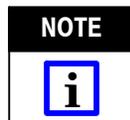
#### 3.1. Single or Dual Duplex DCR Kit

1. Center the mounting plate on a chalk line using the center indicator marks. Use the mounting plate as a template to mark the mounting hole locations. Prepare the surface (drill holes for the customer-supplied mounting hardware and vacuum debris). See Figure 2.

2. Lay the 3-conductor undercarpet power cable, bottom vinyl shield first, onto the floor. For slab-on-grade installation, install Floor Preparation 554123-[] according to 408-3154 prior to laying the cable.



**CAUTION** To avoid damage from from moisture, chemical reaction, or abrasion, the floor preparation must be installed prior to laying the cable for slab-on-grade installation.



**NOTE** Check to make sure that the four top shield bonding clips are on the mounting plate. Top Shield Bonding Clip 554178-1 (50 per box) is also available separately.

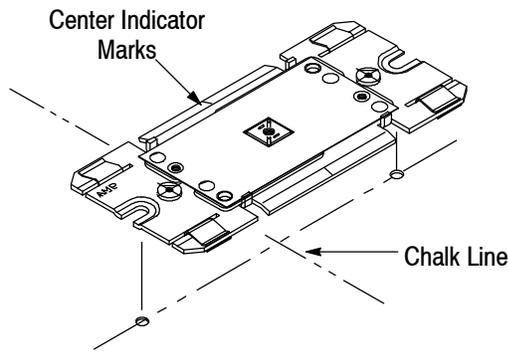


Figure 2

3. Slide the mounting plate between the bottom vinyl shield and the cable. Secure the mounting plate to the floor using the mounting hardware. See Figure 3.

4. Cut the top vinyl shield at the center of the mounting plate.

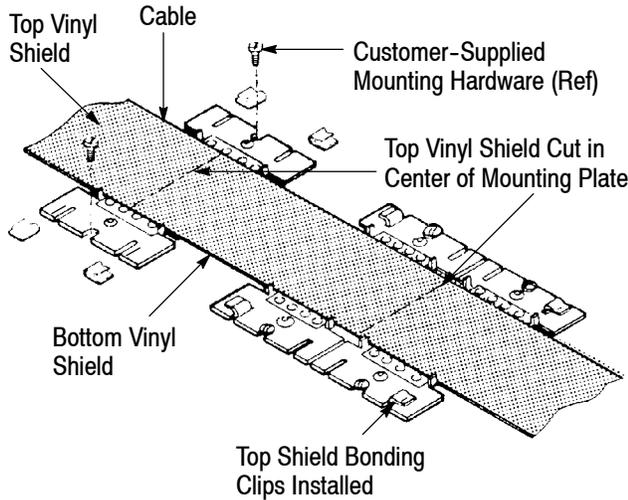


Figure 3

5. For feed-through application:

- a. Lay the top shield over the top vinyl shield, mark it at the cut line indicators (on mounting plate), then cut the top shield. Slide the top shield under top shield bonding clips. See Figure 4.
- b. Fold the top vinyl shield back over the top shield, and tape it in place. See Figure 4.
- c. Tape the top shield to the floor.
- d. Remove the label from the bottom of the duplex receptacle assembly.
- e. Observe the polarity and align the receptacle assembly over the mounting plate so that the bosses on the bottom of the receptacle

assembly will enter the blank holes in the mounting plate. See Figure 5.

6. For dead-end application:

- a. Cut the cable square about 6.4 mm [.25 in.] from the end of the mounting plate. See Figure 5.

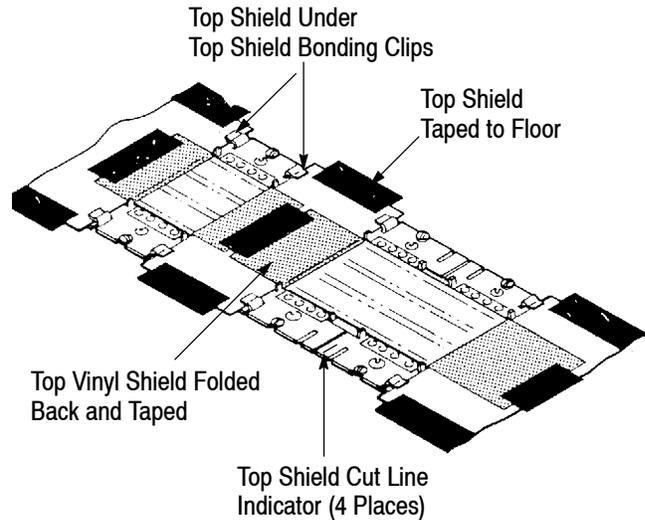
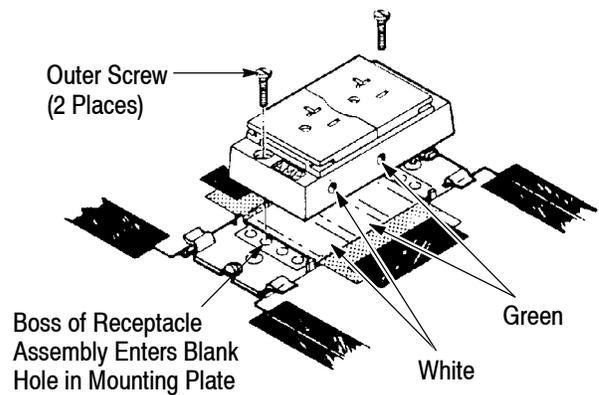


Figure 4

*Feed-Through Application*



*Dead-End Application*

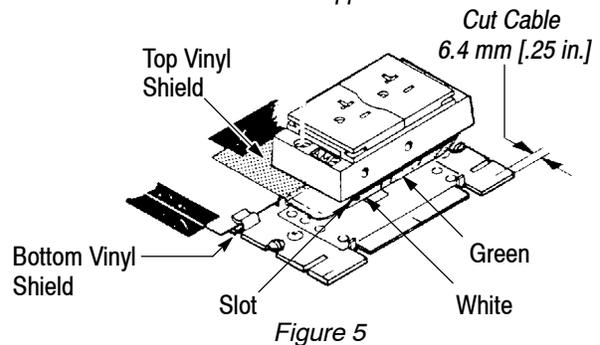


Figure 5

b. Slide the bottom vinyl shield under the mounting plate and fold the top vinyl shield back. Observe polarity and insert the end of the cable into the slot in the bottom of the receptacle assembly.

c. Install the top shield and receptacle assembly onto the mounting plate as described in Step 5. As an option, run the cable 25.4 mm [1 in.] past the receptacle assembly and insulate the end using Insulator 556411-1 (available separately) or electrical tape.

7. Thread, but do not tighten, the two outer screws of the receptacle assembly shown in Figure 5.

8. Open the receptacle assembly cover to expose the center screw. Place the screwdriver on the screw and manually tap it. See Figure 6. Tighten the center screw, close the cover, then tighten the outer screws. Tighten screws to a torque of 2.26 Nm [20 in.-lbs].

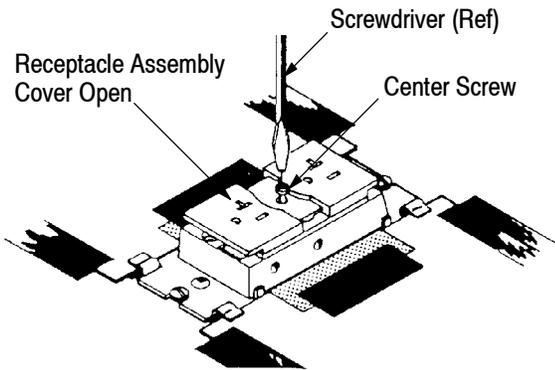


Figure 6

9. Place the cover over the receptacle(s), and secure it to mounting plate using the attaching hardware. See Figure 7.

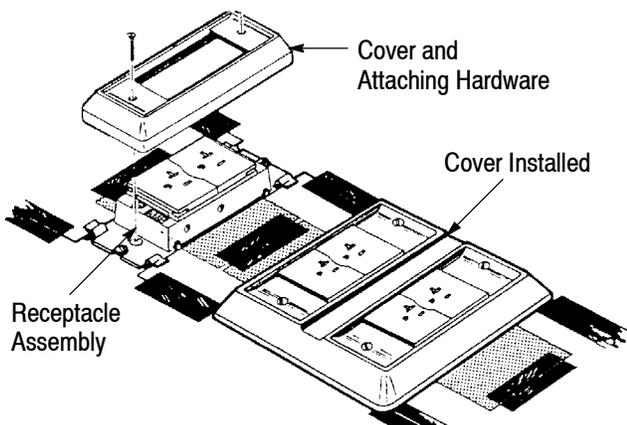


Figure 7

### 3.2. Combination DCR Kit

1. Install the mounting plate and receptacle assembly as described in Paragraph 3.1.

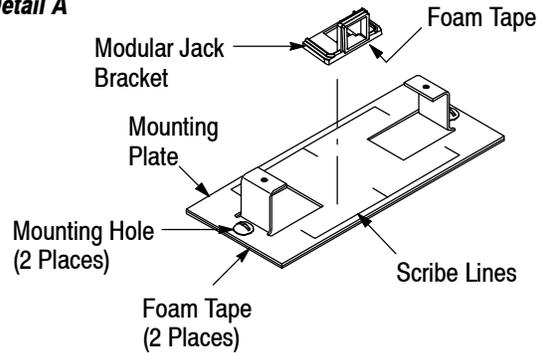
2. If installing a modular jack(s), install the modular jack mounting plate using the adhesive-backed foam tape or customer-supplied mounting hardware, then proceed as follows:

a. Center the modular jack bracket over the scribe lines of the mounting plate, then secure it using the adhesive-backed foam tape (provided with the bracket). See Figure 8, Detail A.

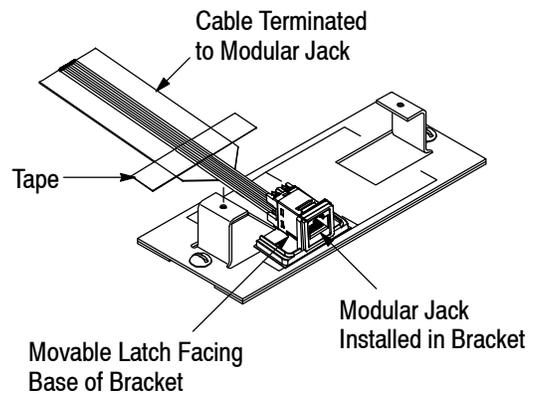
b. Terminate the undercarpet twisted-pair cable to the modular jack according to the instructions included with the modular jack.

c. Insert the modular jack into the bracket with the movable latch facing the base of the bracket until it is secure. Using tape, secure the cable to the floor. See Figure 8, Detail B.

#### Detail A



#### Detail B



#### Detail C

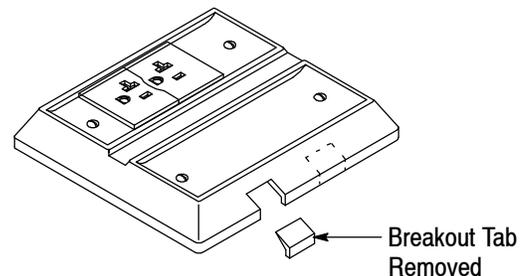


Figure 8

d. Remove the break-out tab(s) from the cover that correspond to the modular jack(s). See Figure 8, Detail C.

3. Secure the cover to the mounting plate using the attaching hardware. See Figure 9.

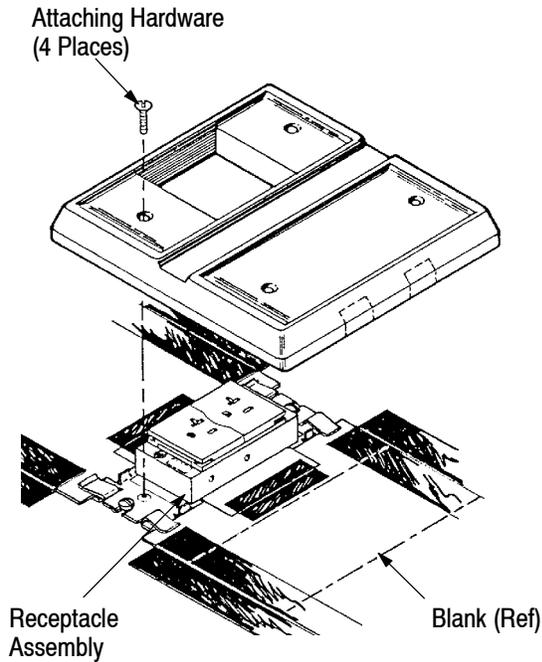


Figure 9

**4. REMOVAL**



*TO AVOID PERSONAL INJURY, disconnect the electrical power before beginning work on any circuit.*

1. Remove the attaching hardware securing the cover to the mounting plate, then remove the cover. Refer to Figure 10.
2. Remove the two outer screws of the receptacle assembly, open the cover, then remove the center screw from the receptacle assembly. Lift the receptacle assembly from the mounting plate.
3. Remove the tape from the top shield within 0.6 to 0.9 m [2 to 3 ft] of the mounting plate, and slide the top shield out of the top shield bonding clips.
4. Remove the hardware securing the mounting plate and slide the mounting plate out from between the cable and bottom vinyl shield.

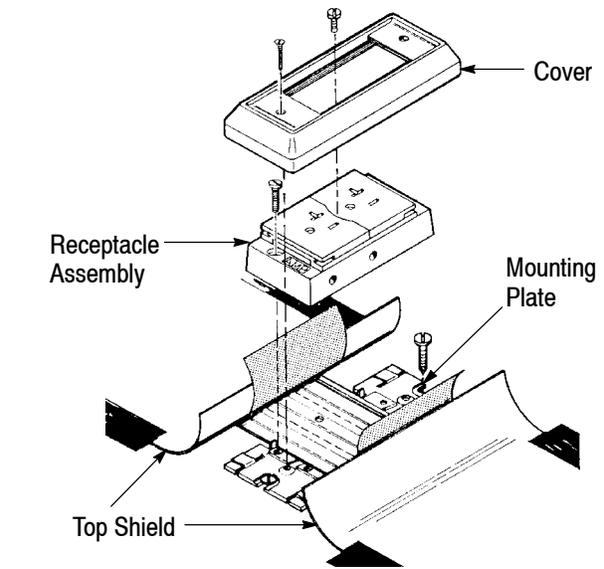
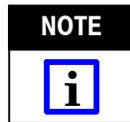


Figure 10

5. Lay the top shield and top vinyl shield back away from the installation.

6. Install Floor Fitting Patch Kit 1479151-1 according to 408-8635.



*For dead-end application, trim the cable to eliminate the hole; then install the cable insulators.*



*DO NOT repair or re-use components after removal.*

**5. REVISION SUMMARY**

Revisions to this instruction sheet include:

- Rebranded to CommScope.