



Dimensions are in metric units [followed by U.S. customary units in brackets].

Reasons for reissue are provided in Section 5, REVISION SUMMARY.

2. DESCRIPTION

The power whip kit includes a mounting plate, a transition block, a cover, four top shield bonding clips, an adapter bracket, and attaching hardware. The power whip will accept 3- or 5-conductor cable (10 or 12 AWG).

3. INSTALLATION PROCEDURES

1. Center mounting plate on chalk-line using the center indicator marks. Use mounting plate as a template to mark hole locations. Prepare area to accept customer selected mounting hardware. Vacuum debris. See Figure 2.

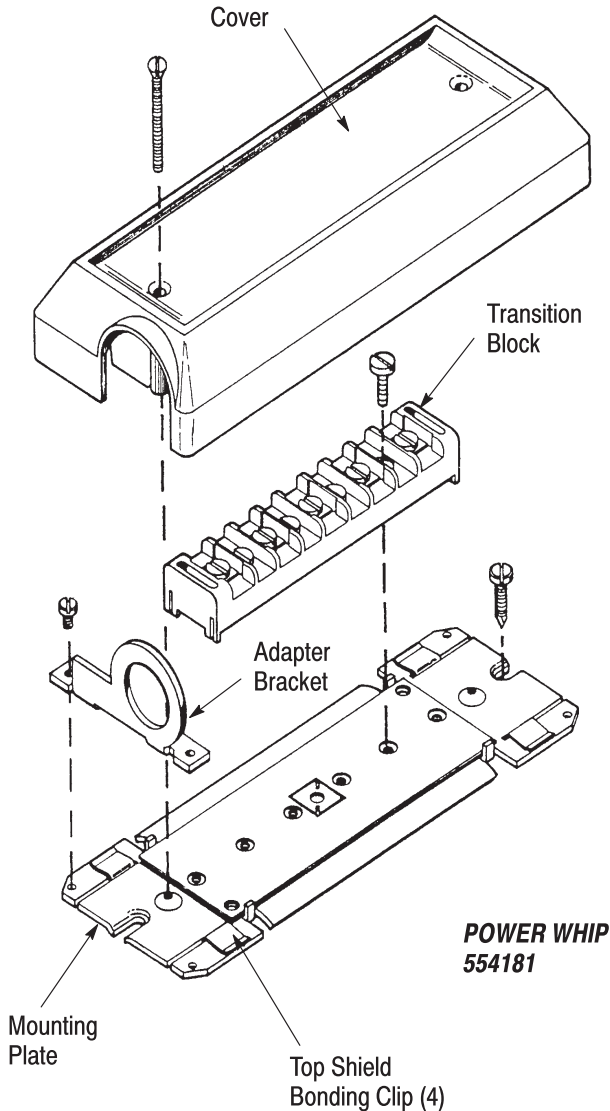


Figure 1

1. INTRODUCTION

This instruction sheet covers installation procedures for the undercarpet power whip shown in Figure 1.

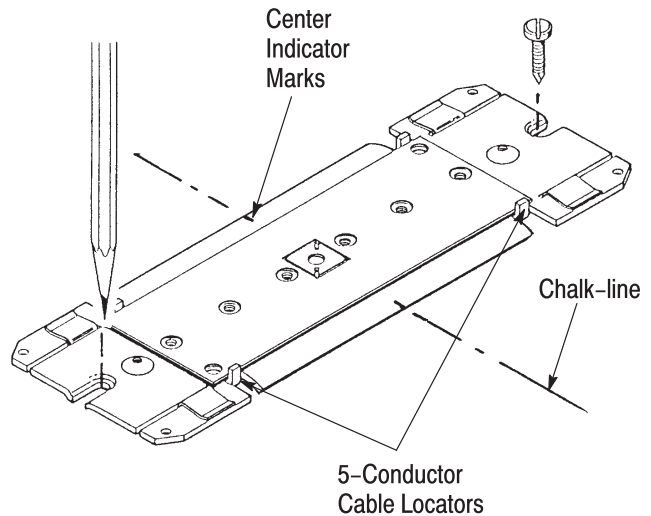


Figure 2

2. Lay cable as shown in Figure 3.



If slab-on-grade installation, floor preparation must be installed prior to laying cable.



Check to be sure four top shield bonding clips are on mounting plate.

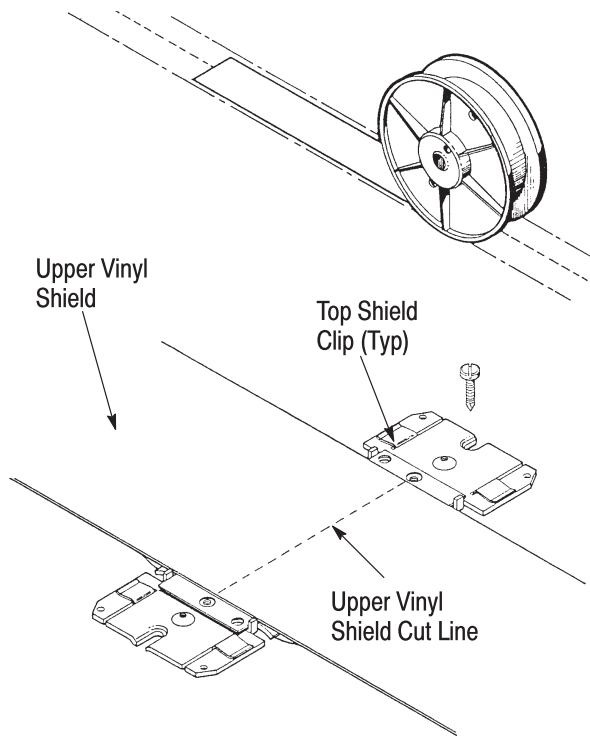


Figure 3

3. Slide mounting plate between bottom vinyl shield and cable. Secure mounting plate to floor.
4. Cut upper vinyl shield in the center of the mounting plate.
5. Lay top metal shield. Mark top shield at cut line indicator and cut top shield. Slide top shield under top shield bonding clips. See Figure 4.

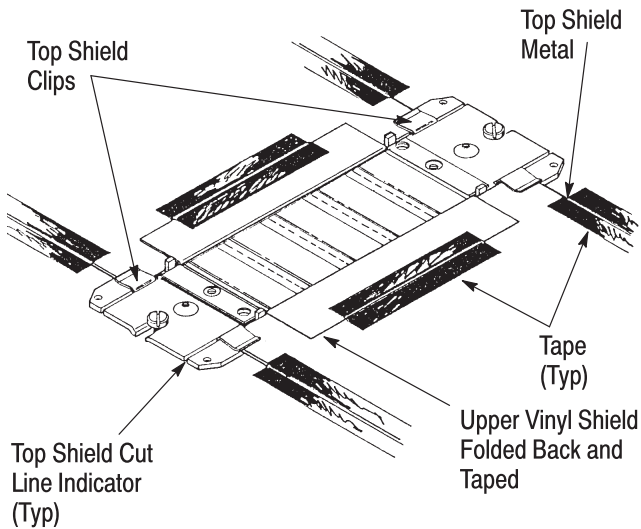


Figure 4

6. Fold upper vinyl shield back over top metal shield and tape in place.

7. Tape top metal shield to floor.

8. Mount transition block over cable, making sure that the silver-headed screw is in the neutral conductor and the green-headed screw is in alignment with the green conductor on the flat power cable. Place four screws into position. Place screwdriver on each screw and tap with hand to punch screw through cable. Screws should be tightened alternately from center positions to outside until all screws are tightened to 88.96 newtons [20-in. pounds]. See Figure 5.

NOTE



For dead-end application, cable should be cut square about 6.4 mm [.25 in.] from end of mounting plate. Slide bottom vinyl shield under mounting plate and fold upper vinyl shield back. Observe polarity and insert end of cable into slot on side of transition block. Slide cable along slot until properly positioned according to cable size. Install top metal shield and transition block on mounting plate as previously described. See Figure 6.

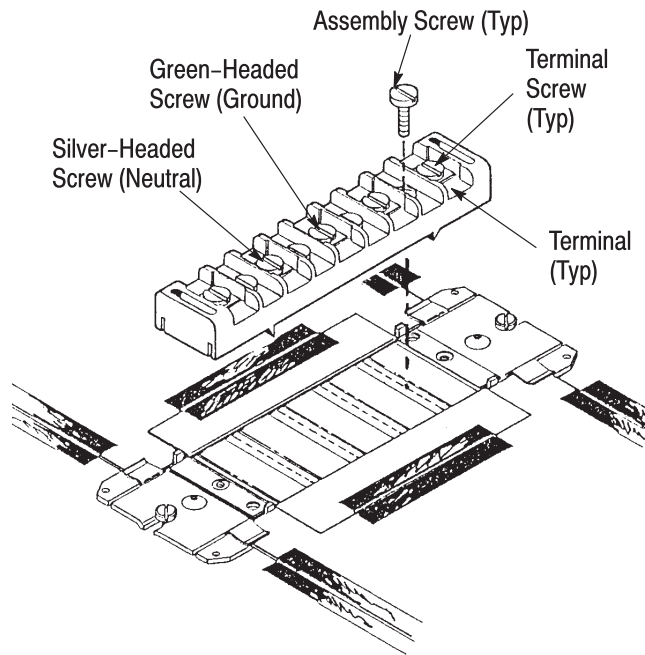


Figure 5

Option



Run cable 25.4mm [1 in.] past transition block and insulate end with insulator or electrical tape.

9. Mount bracket on mounting plate and install flexible conduit to bracket. See Figure 7.
10. Observe polarity and connect wires to transition block.

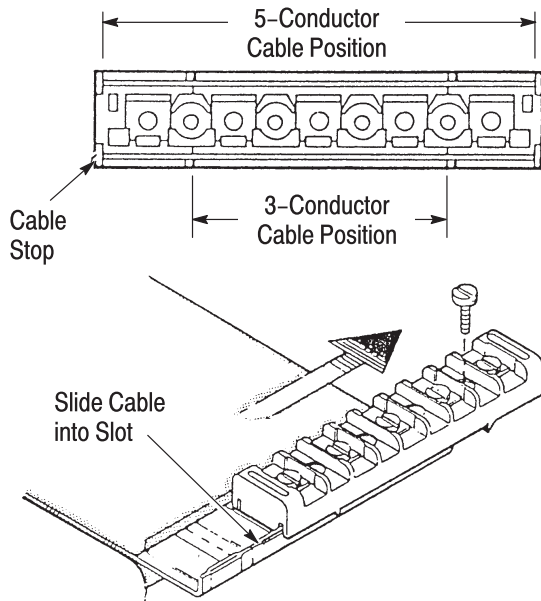


Figure 6

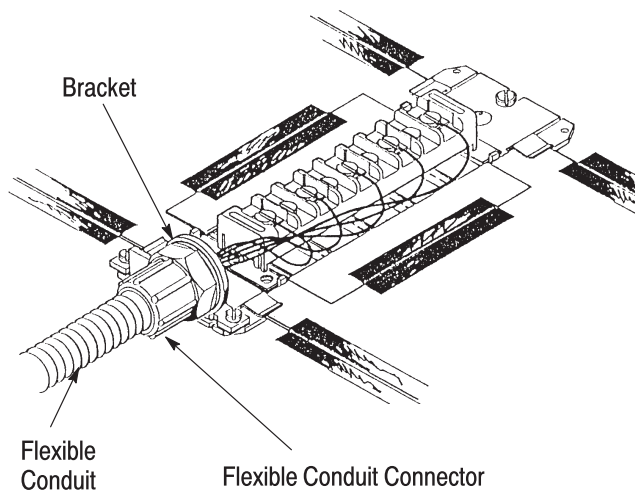


Figure 7

NOTE



It is recommended that customer supplied terminals be installed on the end of the conductors when using 10 or 12 AWG stranded wiring installed under the terminal block screws.

11. Place cover over transition block and secure it to mounting plate with screws provided. See Figure 8.

4. REMOVING POWER WHIP (Figure 9)

DANGER



To avoid injury, disconnect electrical power before beginning work on any circuit.

1. Remove screws securing cover to mounting plate and remove cover.
2. Disconnect the electrical connectors from the transition block and remove the flexible conduit connector from the adapter bracket.
3. Remove the four assembly screws securing the transition block to the mounting plate.

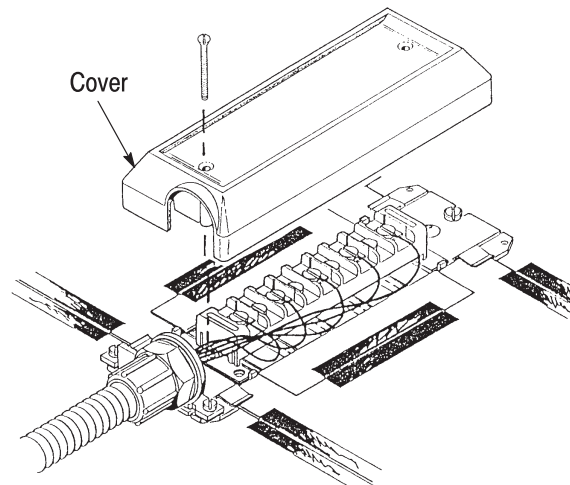


Figure 8

4. Remove tape from top shield within 0.6 to 0.9m [2 to 3 ft] of mounting plate and slide top shield out of top shield bonding clips.
5. Remove hardware securing mounting plate and slide mounting plate from between cable and bottom vinyl shield.
6. Lay top shield and top vinyl shield back away from installation.
7. Install insulating patches per instructions packaged with patches.
8. Trim top shield and top vinyl shield to lie outside of patch. Install a section of top metal shield across the opening and secure to original top shield with spring clips 553534-1.

NOTE



A transition block that is used on a 3-conductor cable should not be reused on a 5-conductor application.

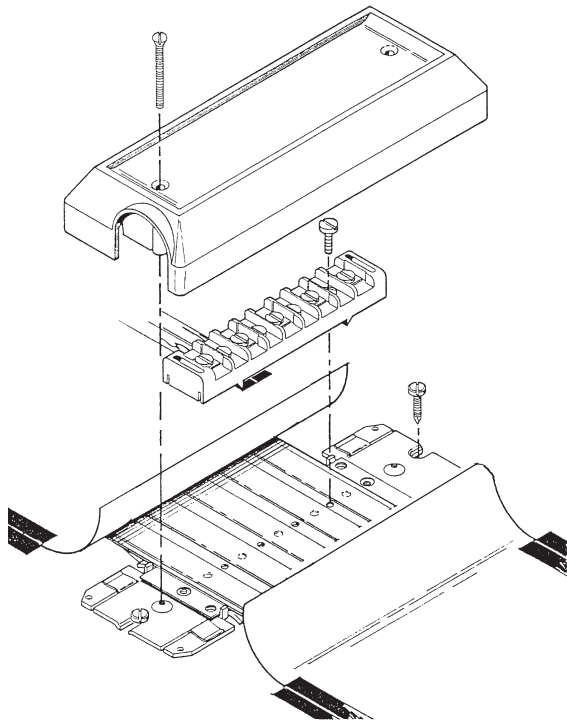


Figure 9

5. Revision Summary

Since the previous release of this document, the format has been updated to the current corporate requirements.

- Rebranded to CommScope