

Related Literature

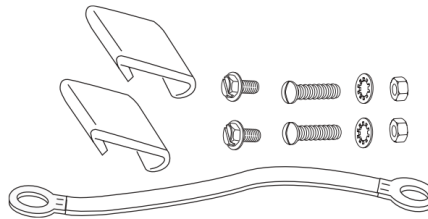
377-1002 Install Description and Installation of Type C-377 (100-pair) Main Frame Connector.

1. General Description

This procedure describes grounding C-377 connectors to the distribution frame.

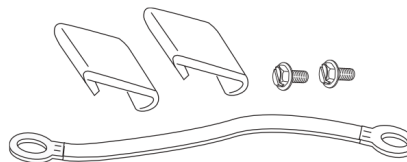
Kit #323-1779 is furnished with stubless C-377 connectors and includes the following parts:

- 1/4-20 Mounting screws (2)
- Interconnector ground wire (1)
- Alignment clips (2)
- Machine screws (2)
- Lock washers (2)
- Hex nuts (2)



Kit 323-1665 is furnished with stubbed C-377 connectors and includes the following parts:

- 1/4-20 Mounting screws (2)
- Interconnector ground wire (1)
- Alignment clips (2)

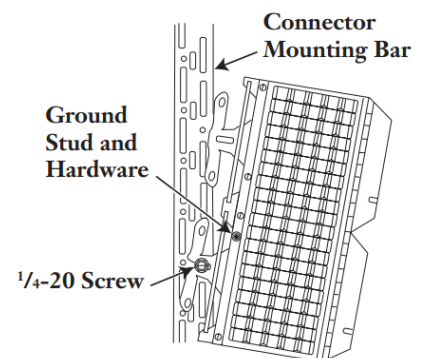


2. Grounding Connectors

2.1 Install the Connector onto the Frame

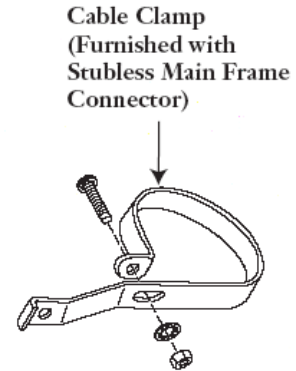
Follow instructions for detailed connector installation procedures.

- Step 1** Partially thread one 1/4-20 screw into the lower tapped mounting hole on the connector mounting bar. Slide the lower mounting bracket beneath the screw head.
- Step 2** Insert the remaining 1/4-20 screw through the Slot of the connector's upper mounting bracket.
- Step 3** Line up the connector with the mounting bar. Tighten both screws completely.



2.2 Install Cable Clamps onto the Frame (Kit A0321820)

- Step 1** Remove cable clamps from the connector's mounting bracket.
- Step 2** Install the cable clamps onto the frame using the hardware provided in the kit.
- Step 3** When field-stubbing the connector, install the cable stub in the cable clamps and tighten hardware.

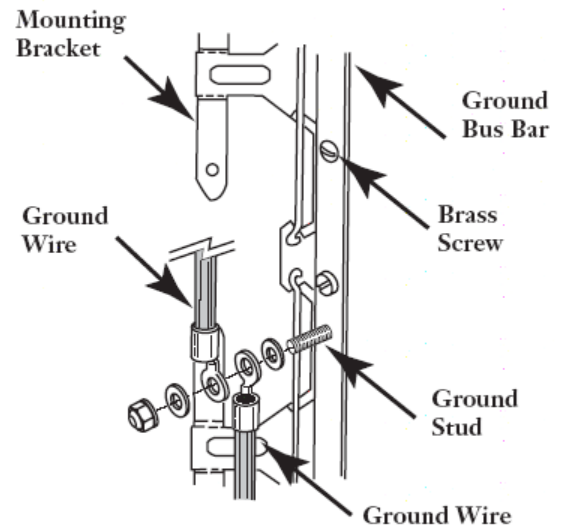


2.3 Ground the Connector

Independent Grounding Method: Ground is supplied to the connector from the frame ground bus bar both through the framework to the connector mounting bracket and through the linked ground wires to the ground stud.

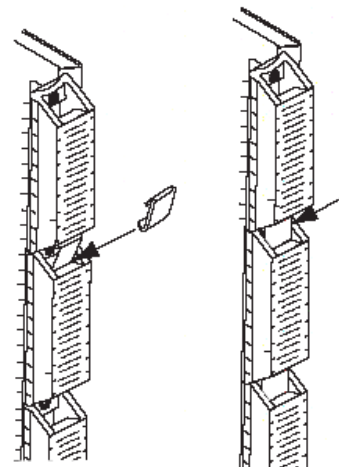
Connect vertically adjacent connectors using the ground wire supplied in the kit.

- Step 1** Remove the hardware from the ground studs on both connectors.
- Step 2** Install the ground wire as shown.
- Step 3** Install hardware in the order Shown and tighten nut. Repeat for Remaining connectors.
- Step 4** Secure a long ground wire (p/n 689-0955, purchased separately) from the last ground stud to the frame ground bus bar.



IMPORTANT: *The ground path is not Complete until the last Connector's ground stud is Linked to the frame's copper Ground bar.*

Isolated Grounding Method: By removing the brass screw, ground is supplied from the frame ground bus bar through the linked ground wires to each connector ground stud, but no ground circuit is carried through the framework.



3. Installing Alignment clips.

After all connectors are installed and grounded, hook an alignment clip on the bottom edge of each test field. Snap clip into position.