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Introduction

The Model 7079 is a slide rack mounting kit for the Model 707 Switching Matrix. This rack mounting kit can be used in a 19" wide rack (24 to 30" deep). The kit (Keithley P/N SL-8) consists of the items listed in the following table. Verify that all the parts are available before beginning the installation procedure.

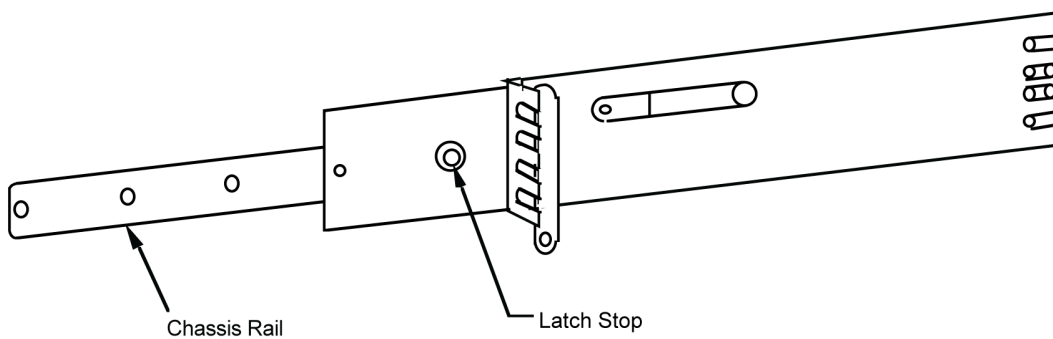
Model 7079 slide rack mounting kit parts list

Item	Description of contents of slide set SL-8	Qty.
A	Slide (left and right)	2
B	Rear support bracket	2
C	Spacer bar	2
D	Nut bar	6
E	Screw, #10-32 1/2" Phillips binder head	12
F	Screw, #10-32 3/8" Phillips flat head	8

Chassis preparation

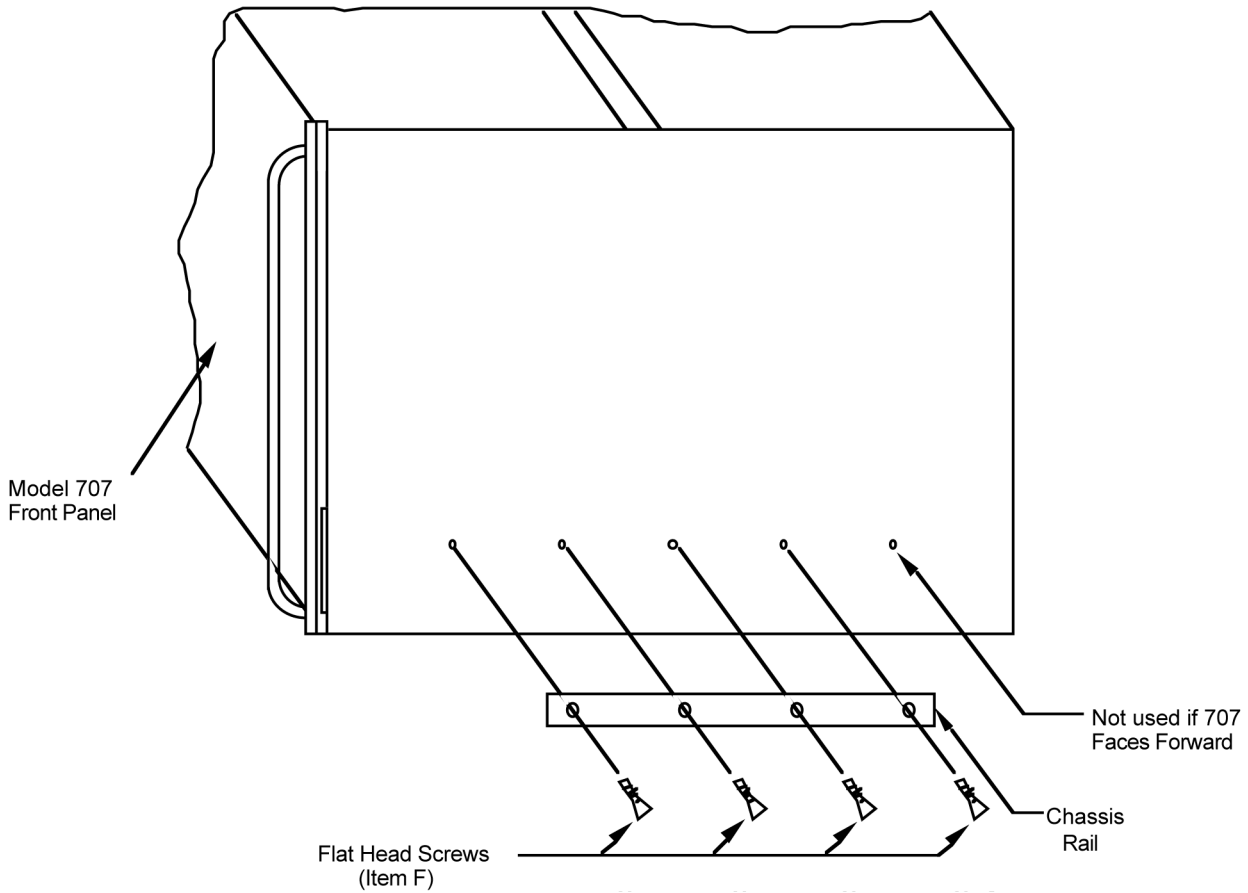
- 1 Depress the latch stop and remove the chassis rail from each slide.

Remove rail from slide



- 2 Attach each rail to the instrument chassis with four 10-32 3/8" Phillips flat head screws (item F). When mounting the Model 707 facing forward, use the front four holes on the chassis. See the following figure. The Model 707 can also be mounted with its rear panel at the front of the rack. In this case, use the rear four holes.

Attach chassis rail



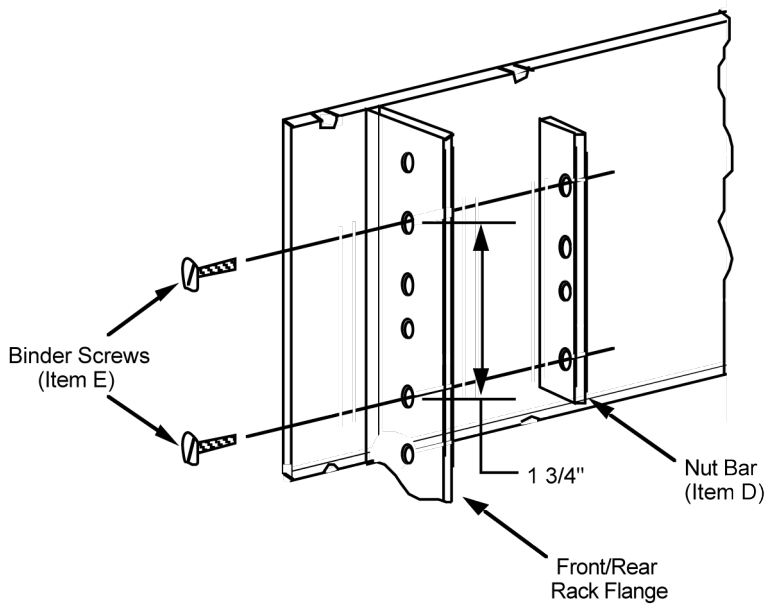
Rack preparation

- 1 Select a position in the rack. In most cases, the weight of the Model 707 dictates a position in the lower half of the rack. The Model 707 will take up 14" of vertical space.

Note The mainframe must be mounted at a height that is an increment of 1-3/4" from the top or bottom of the rack. Attempting to mount the mainframe at a nonincremental height will lead to difficulties with hole alignment

- 2 Referring to Figure 3, loosely attach a nut bar to each front rack flange with two #10-32 1/2" Phillips binder head screws at 9-5/8" and 11-3/8" from the top of the selected space. Note that the hole pattern on the nut bar is not symmetrical.

Attach nut bars

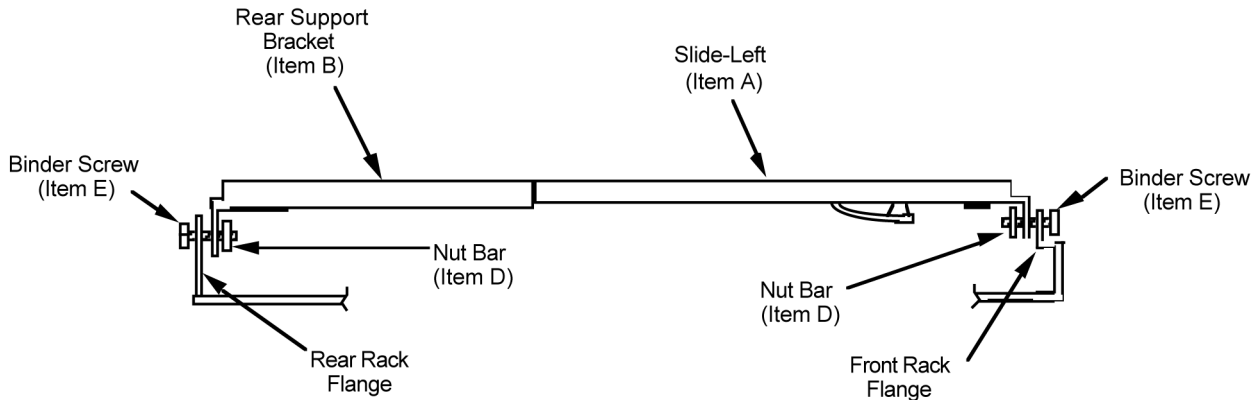


- 3 Repeat previous step on the rear rack flanges. These nut bars should be mounted at the same level and oriented the same way as those in front.

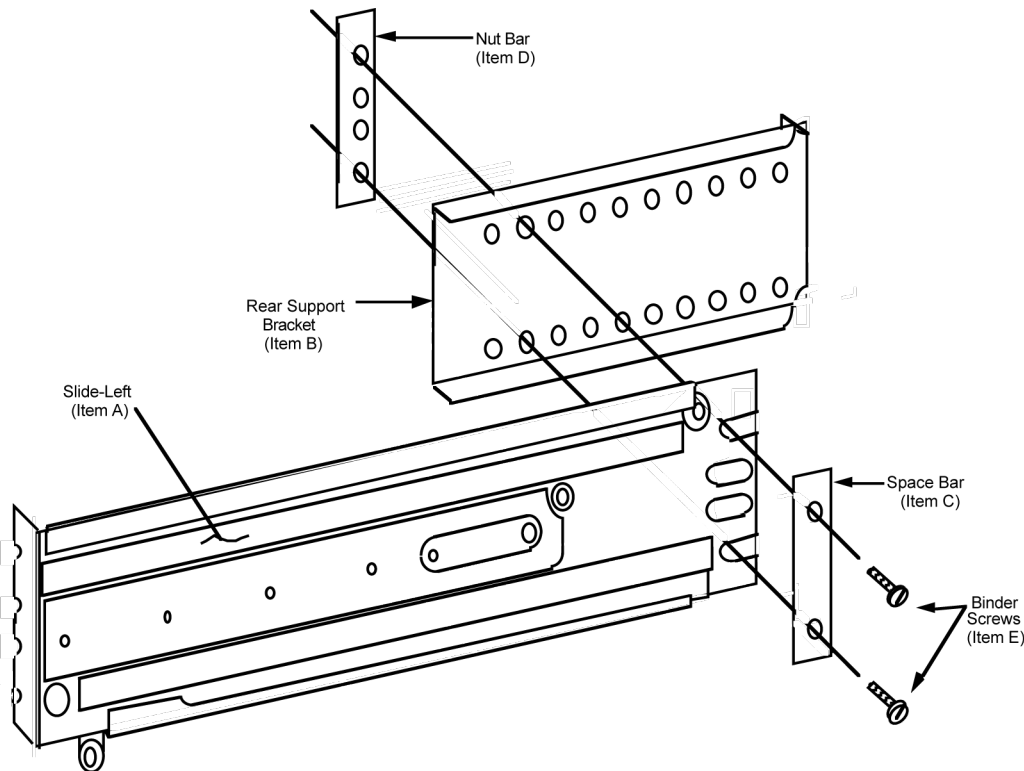
Chassis support preparation

- 1 Place a rear support bracket (item B) on the left slide (item A). Temporarily install the two pieces in the rack by moving the flanged ends apart (not the sections of the slide) until the flanged ends fit as shown in Figure 4. Note which holes will be used to attach the rear support bracket to the slide.
- 2 Use a spacer bar, nut bar, and two binder head screws (item C, D, and E) to loosely attach each rear support bracket to a slide. Figure 5 shows the left slide assembly.

Size support bracket and slide



Left side support



Chassis support mounting

- 1 Reinstall the slide assemblies in the rack and secure them by tightening the binder screws on the front and rear rack flanges.
- 2 Tighten the screws attaching the rear support brackets to the slides.

Mainframe installation

- 1 Lift the Model 707 mainframe and insert it into the rack. Make sure to guide the chassis rails into the slide assembly.
- 2 The handle support brackets of the mainframe can be secured to the rack flanges with user-supplied captive nuts and binder head screws (four each).

Mainframe removal

- 1 With the mainframe pulled out as far as the slides allow, remove it by depressing both latch stops (see Figure 1) and pulling the mainframe away from the rack.