

Keysight Y1217A Rack Mount Rail Kit Installation Note

This installation note contains procedures for installing the Y1217A Rack Mount Rail Kit for the Keysight M9018A 18-slot PXIe Chassis in a Keysight rack.

NOTE

This kit is optional to the Y1215B and Y1216A Rack Mount Kits. This kit is designed for Keysight racks and may not fit non-Keysight racks.

Parts List

The parts included with each rack mount adapter option and the support rail are shown in the following table (note that not all parts listed are available as field-replaceable parts):

Part Number	Description	Quantity
M9018-00110	Support Rails	2
0590-0804	Channel Nuts (4 for support rail-to-rack)	4
2680-0278	Support Rail-to-Rack Screws - 10-32 x 0.5 Pan Head Torx T25	4

General Rack Mounting Guidelines

In rack mounting the chassis, follow these guidelines:

- 1 Always begin installing the chassis and heavy instruments at the bottom of the rack and work up. This maintains a lower center of gravity and reduces the possibility of the rack tipping.
- 2 Anti-tipping feet, if available with the rack, should always be extended.
- 3 The heaviest instrument or chassis should always be mounted at the bottom of the rack.
- 4 For maximum cooling and optimum rack thermal efficiency, place the instrument or chassis with the greatest power consumption towards the top of the rack. This promotes efficient cooling since heat rises when placed nearer to the top of the rack, high power instruments will not unnecessarily heat other instruments. However, in doing this, do not violate the guideline that the heaviest instruments should be placed at the bottom of the rack.
- 5 If instruments or modules in the chassis are consuming maximum power, 1U of rack space is required for ventilation below the M9018A chassis.

Procedure

Tools Required: #2 Phillips screwdriver, T25 Torx screwdriver

- 1 Install any rack mount kits, such as the Y1215B Flush Mount Kit or the Y1216A Recessed Mount Kit, or the Y1218A Cable Tray Kit prior to installing the M9018A chassis in the rack.
- 2 Refer to [Figure 1](#) below. Remove the side handles and handle covers from both sides of the M9018A PXIe chassis.

CAUTION

Do not stand the chassis on its side; the side handles may cause the chassis to tip over.

- 3 On M9018A chassis with serial number TW54XXXXX and later, two additional screws must be removed (one on each side of the chassis). Refer to [Figure 1](#). Note that earlier chassis did not have these screws.
- 4 Remove the four chassis feet by pulling out the small rubber insert on each foot and then removing the Phillips screw that attaches the foot to the chassis. See [Figure 1](#).

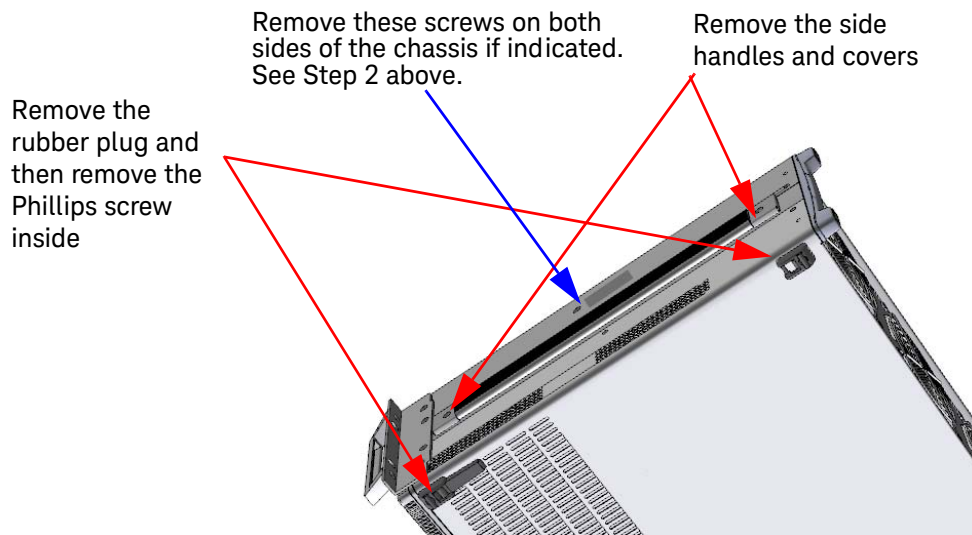


Figure 1 Removing the Chassis Feet

- 5 Refer to [Figure 2](#). Slide channel nuts over the rack holes to be used by the support rails. The rails must be positioned behind the bottom channel nuts installed for the Y1215B Flush Mount Adapter Kit or the Y1216A Recessed Rack Mount Kit.

- 6 Attach the support rails (with inner flange pointing downward) to the rack's inside vertical columns. Use four channel nuts and the four 10-32 x 0.5 T25 Torx pan head screws as shown in [Figure 2](#).
- 7 Set the chassis onto the support rails.

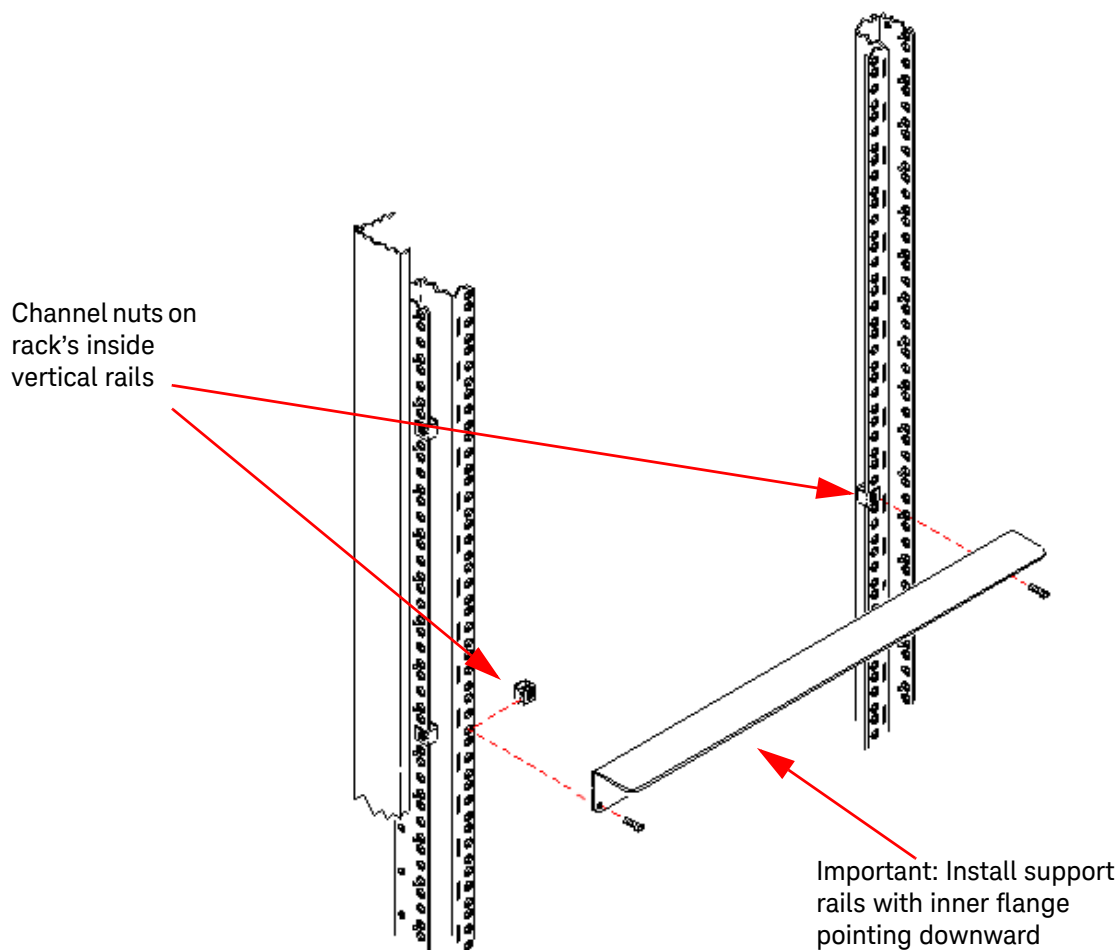


Figure 2 Center Holes of Rack, Attaching Channel Nuts

- 8 Set the M9018A chassis onto the support rails.

WARNING To prevent injury during rack mounting, the chassis should be empty and two people should lift it into the rack.

- 9 Slide the M9018A chassis into the rack until the rack mount front handle flanges are against the rack's vertical columns. Secure the chassis to the rack using the adapter dress screws provided with the rack flange kit.

NOTE If the rack will be moved excessively or over long distances, you should use a strap to secure the chassis to the rack slides.

