

Installation
Note

Keysight
Y1270A-301
Rack Mount
Kit

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Introduction

The Y1270A-301 rack-mount kit is used to install a M9018A chassis with an attached Y1270A frame into a standard 19" rack.

For information on attaching the frame to the M9018A Chassis, see Y1270-90001.

Parts List

Item#	Qty	Part Num	Description	
1	1	M9393-00004	Filler panel 1U for M9018A	
2	2	M9393-00005	Rails for M9018A	
3	1	M9393-00002	Flange, Left	
4	1	M9393-00003	Flange, Right	
5	2	E6640-40003	Slide, Bottom	
6	4	0515-0896	Screw Machine	

Item#	Qty	Part Num	Description
7	8	0515-2043	Screw Machine
			
8	6	0570-1577	Dress Scew with Nylon Washer
			
9	10	0590-0804	Metal clip
			
10	4	2680-0278	Screw
			

The M9018A Chassis and Y1270A Frame

The Y1270A-301 rack-mount kit is designed to mount a M9018A chassis with an attached Y1270A frame into a standard 19" instrument rack.

In the following image, the M9018A chassis is shown in the background, and the Y1270A frame in the foreground.



Cables from the connectors on the Y1270A frame are routed and terminated on PXI module connectors in the M9018A chassis.



The following is the procedure for mounting a M9018A chassis with an attached Y1270A frame into a standard 19" instrument rack.

This procedure assumes the M9018A chassis has a Y1270A frame attached to it.

Instructions on how to attach a Y1270A frame to a M9018A chassis can be found in Y1270-90001.

Y1270A-301 Installation Procedure

Step 1: Remove the Chassis Handles and Feet

Remove the two handles from the sides of the M9018A chassis. Remove the four feet from the bottom of the M9018A chassis.

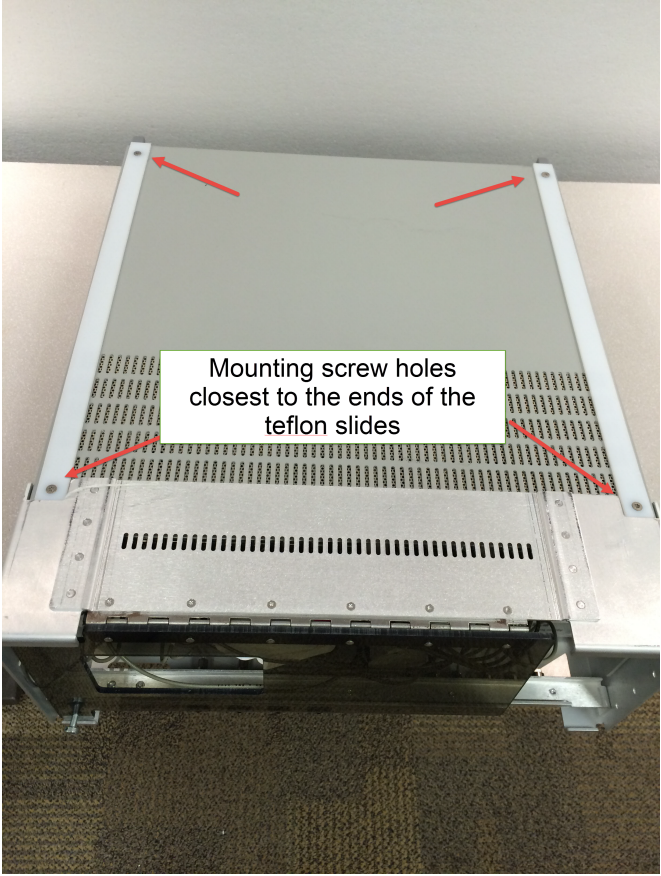


Step 2: Install the Teflon Slides

The four feet are replaced by two teflon bottom slides (E6640-40003, parts list items 5). Although the slides are interchangeable, they need to be attached to the chassis in a certain way. The mounting holes on each teflon slide are set at different distances from the ends of the teflon slides.

In the following image, the mounting hole with the smaller distance from the end of the teflon slide should be closest to the Y1270A frame.

Use four machine screws (0515-0896, parts list item 6) to secure the two slides to the bottom of the M9018A chassis.



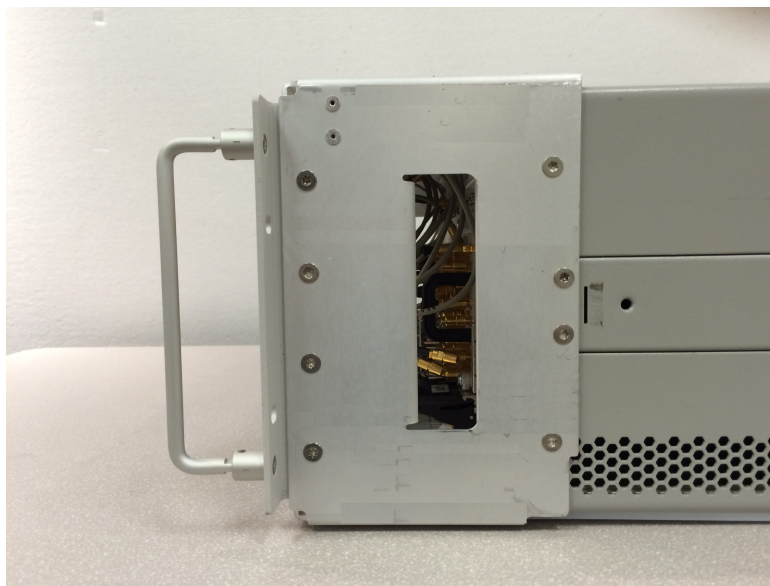
Step 3: Install the Handle Flanges

This step shows the right-flange being installed. However, use this same procedure to install the left-flange .

The four mounting holes to the left in the following image are used for mounting the handle flange. Use four machine screws, (0515-2043, parts list item 7) to secure a flange on each side of the M9018A front panel.



The left and right flanges are identified with an "L" and an "R" respectively. The following image shows the right side flange attached.



Once both the left and right flanges are attached, the M9018A chassis assembly is ready to be installed in the rack.

Step 4: Install the Mounting Rails

The M9018A chassis rests on two mounting rails. The following two images show the left and the right mounting rail installed in the equipment rack. The two rails should be installed so that the M9018A chassis rests level on them.

Notice in the following two images that the rail is an "L" shape. The wider edge is horizontal, and the narrower edge is vertical.

Notice also that the rail mounting screw is aligned to the lowest of four front panel clips. Between each clip there are four empty holes. Although the lowest clip is not used in the installation, it can be used as a reference for positioning the three clips above it. The two clips immediately above the lowest clip are used to secure the Y1270A handle flanges. The top most clip is used to secure the filler panel.

In the following two images:

- In positions 1 and 2, install a rail, (M9393-00005, parts list item 2) using two metal clips, (0590-0804, parts list item 9), and two machine screws, (2680-0278, parts list item 10).
- In positions 3, 4, 5, and 6, install metal clips, (0590-0804 parts list item 9). Note, there are four holes between each front panel clip. Position 3 is optional and is used for aligning front panel clips to the installed rail. Remove this clip once the three clips above it have been attached.

Left Rail



Right Rail



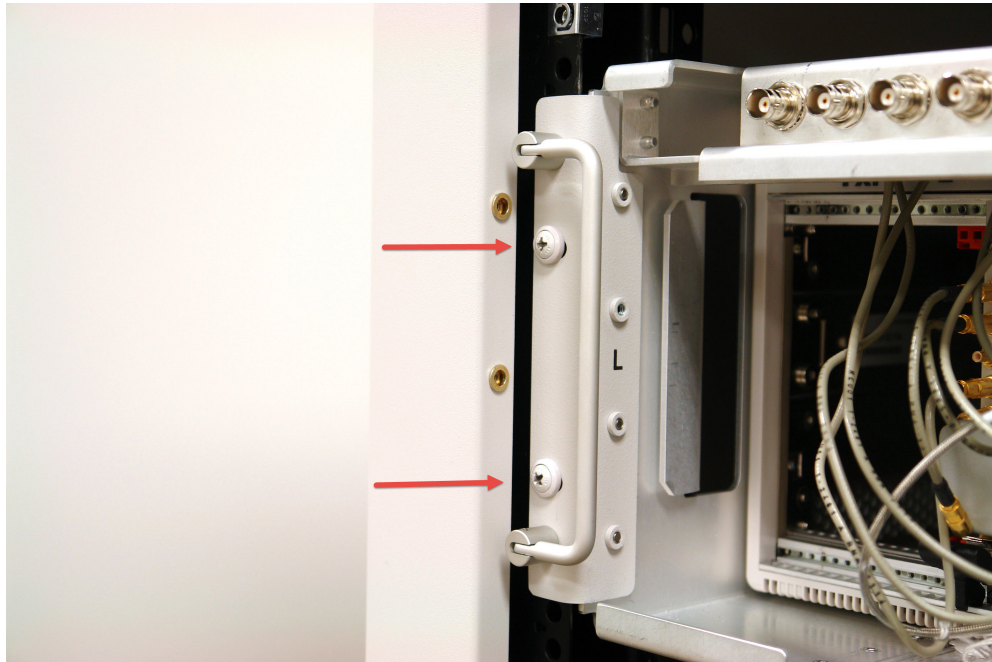
Step 5: Slide the M9018A Chassis into the Rack.

With a person on each side of the M9018A, lift and slide it onto the mounting rails. The more straight the M9018A is on the rails, the easier it will slide it into the rack.

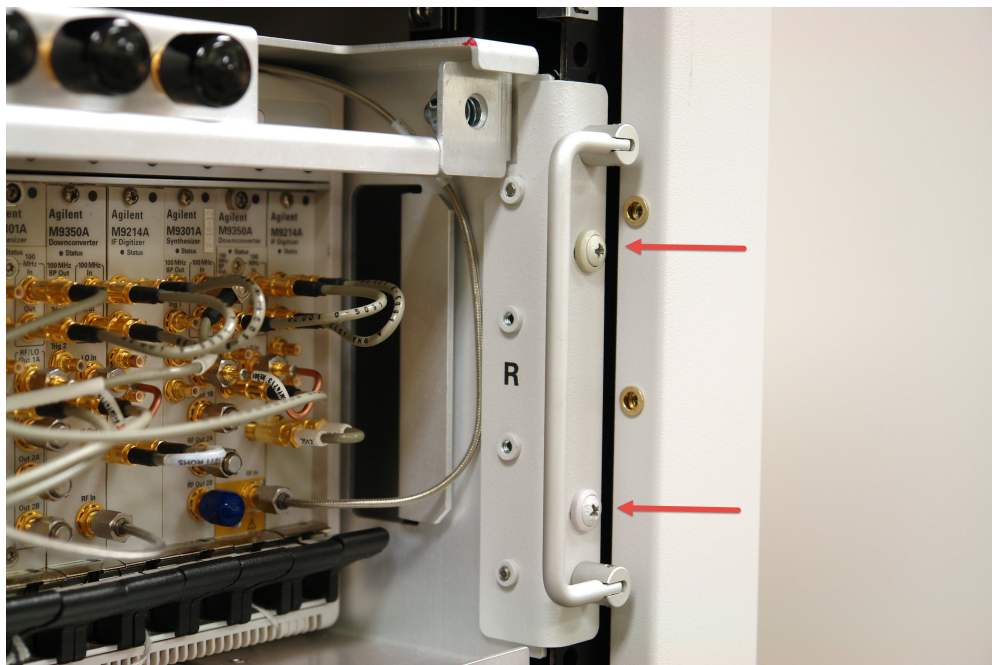
Step 6: Secure the M9018A Chassis

Once the M9018A is positioned in the rack, it can be secured. Twist both the left and the right flange handles inwards to install the front panel screws. Secure the front panel with four screws, (0570-1577, parts list item 8).

Left Flange Handle

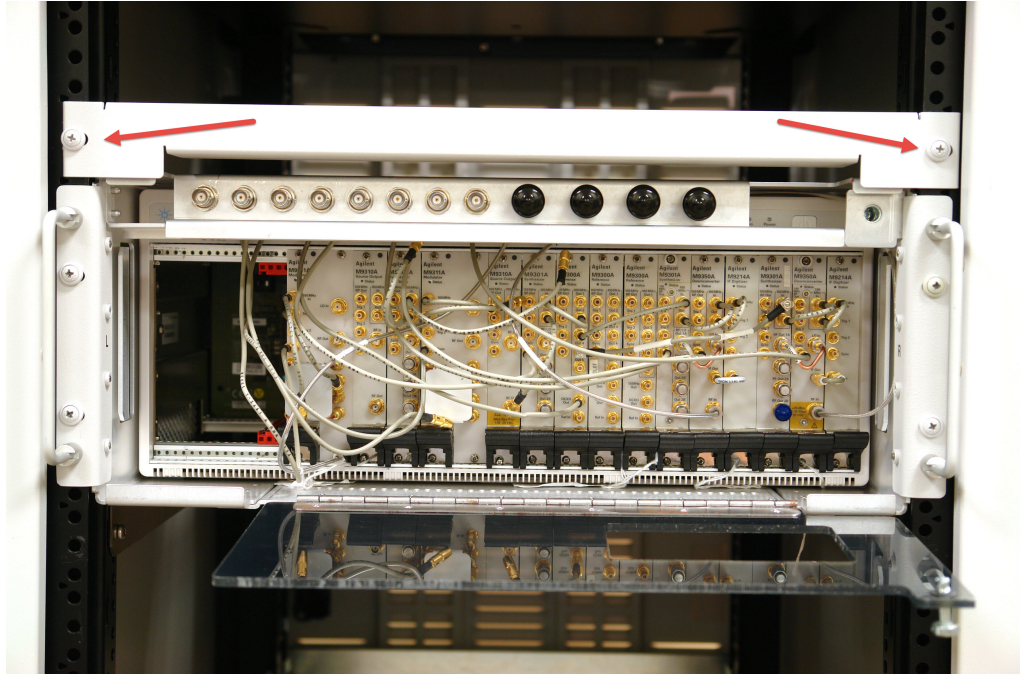


Right Flange Handle



Step 7: Install the Filler Panel

Using two front-panel dress screws, (0570-1577, part number item 8) secure the filler plate immediately above the M9018A chassis as shown below.



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