Keysight N5470A
90000, 90000 X, and V–Series
Oscilloscope Rack Mount Kit

KEYSIGHT
TECHNOLOGIES

Installation Guide

Notices

Manual Part Number

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Safety Notices

CAUTION

A **CAUTION** notice denotes a hazard. It calls attention to an operating procedure, practice, or the like that, if not correctly performed or adhered to, could result in damage to the product or loss of important data. Do not proceed beyond a **CAUTION** notice until the indicated conditions are fully understood and met.

WARNING

A WARNING notice denotes a hazard. It calls attention to an operating procedure, practice, or the like that, if not correctly performed or adhered to, could result in personal injury or death. Do not proceed beyond a WARNING notice until the indicated conditions are fully understood and met.

In This Guide

This guide contains instructions for installing the Keysight N5470A Rack Mount Kit. The rack mount kit provides a support shelf and hardware for mounting Infiniium 90000 Series, 90000 X-Series, and V-Series oscilloscopes into Electronic Industries Association (EIA) standard 19-inch (487-mm) rack cabinets.

Included parts

The rack mount kit includes the following parts:

Support tray

Trim plate top

Track rail (2)

Trim plate side (2)

Trim plate bottom

Trim plate bottom with access holes

10-32 Flat head screw (4)

10-32 Pan head screw with nylon washer (8)

T20 TORX screw (6)

10-32 Sheet metal nut (12)

Hardware enlarged for clarity
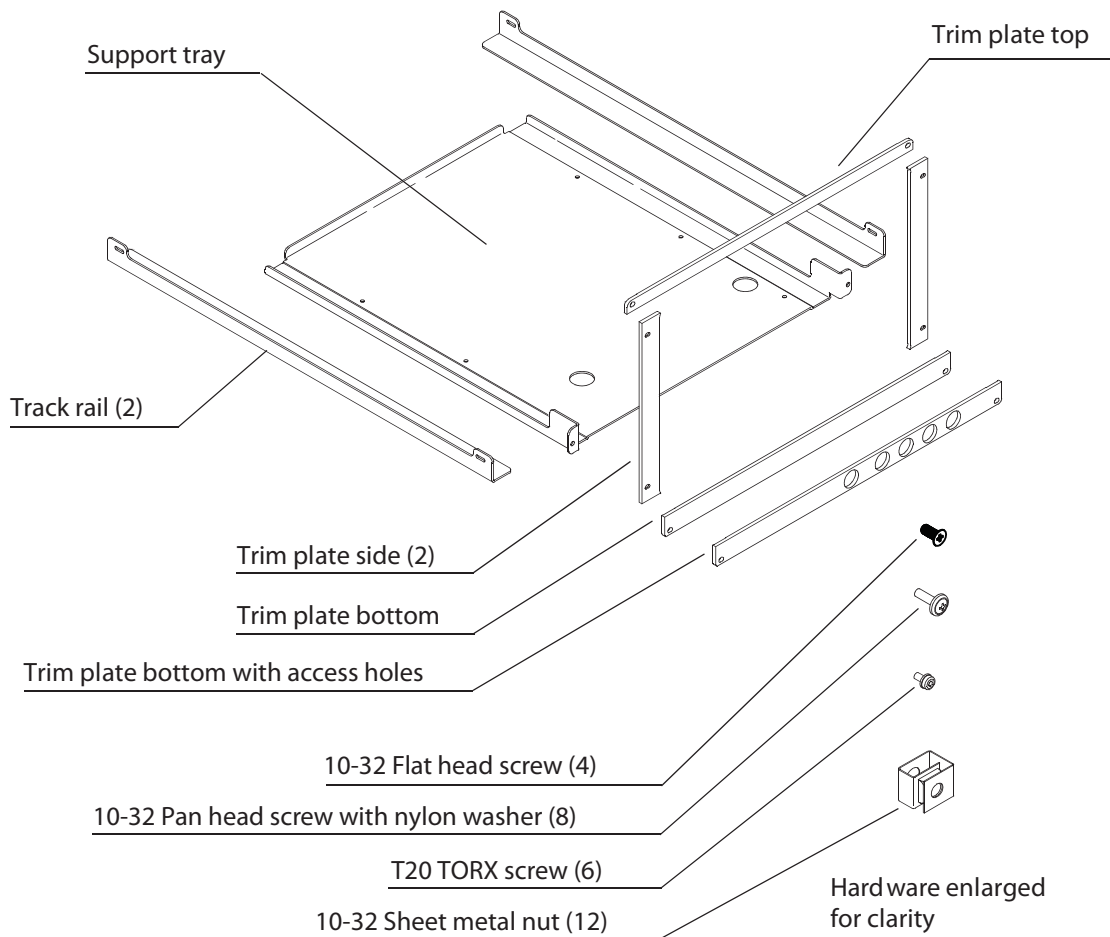
Installation

The following tools are required for installing the rack mount kit:

- T20 TORX driver
- #2 Phillips screwdriver

Attaching the oscilloscope to the support shelf

1 Place the oscilloscope upside down so the feet can be removed to expose support tray mounting holes.
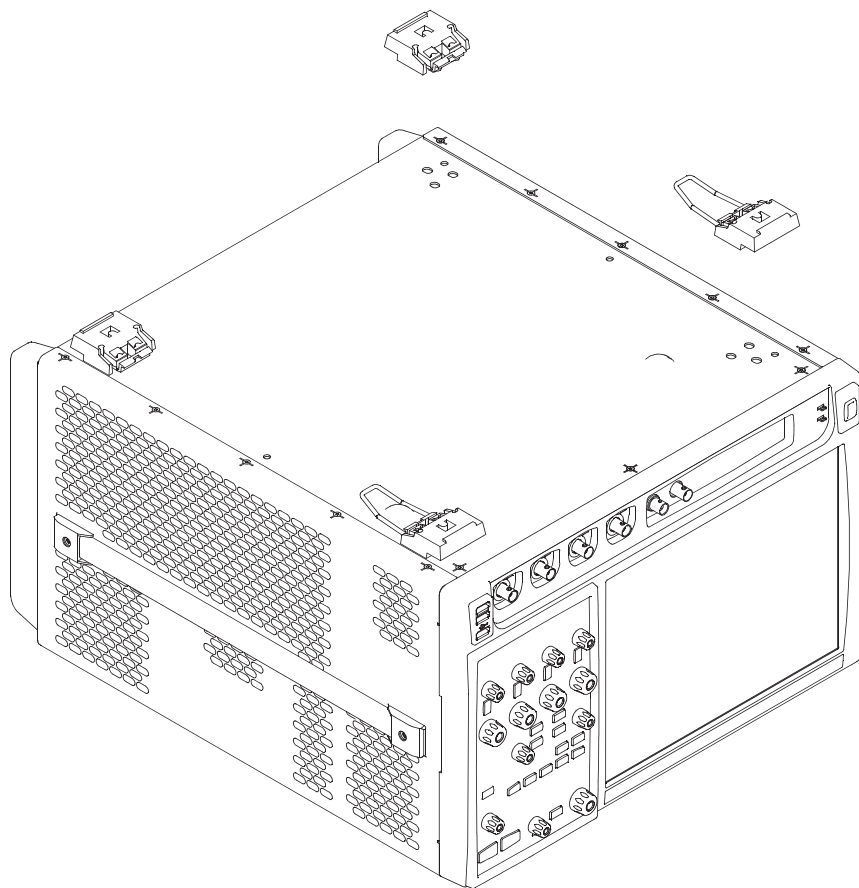
2 Grasp the feet firmly and squeeze the tab in the directions shown (1), slide (2), and lift off (3).

Front Foot Removal
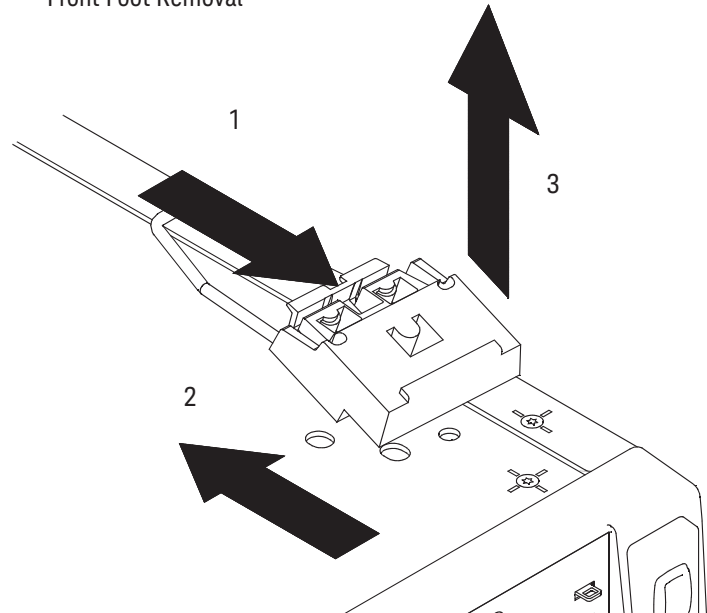
Rear Foot Removal
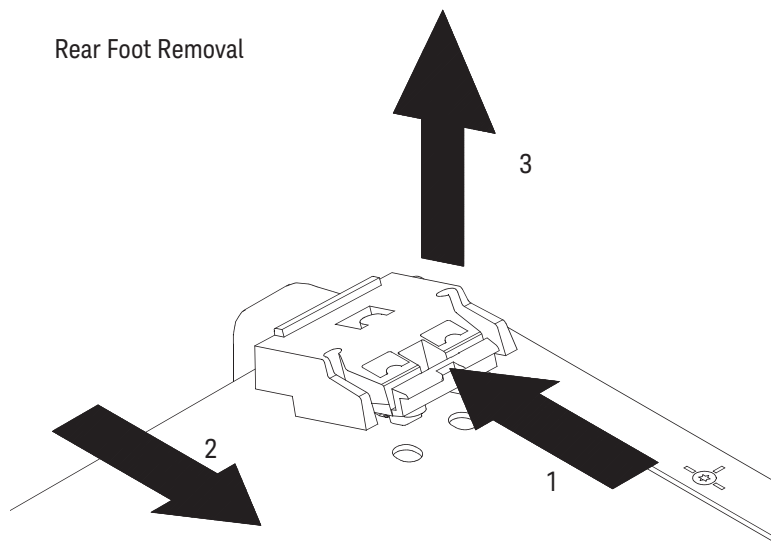
3 If the oscilloscope is a V-Series model, remove the side handles.

4 Once all feet have been removed, attach the support tray to the bottom of the oscilloscope by aligning the six mounting holes on the support tray with the matching mounting holes on the bottom of the oscilloscope as shown. Secure the support tray with the six T20 TORX screws (supplied).
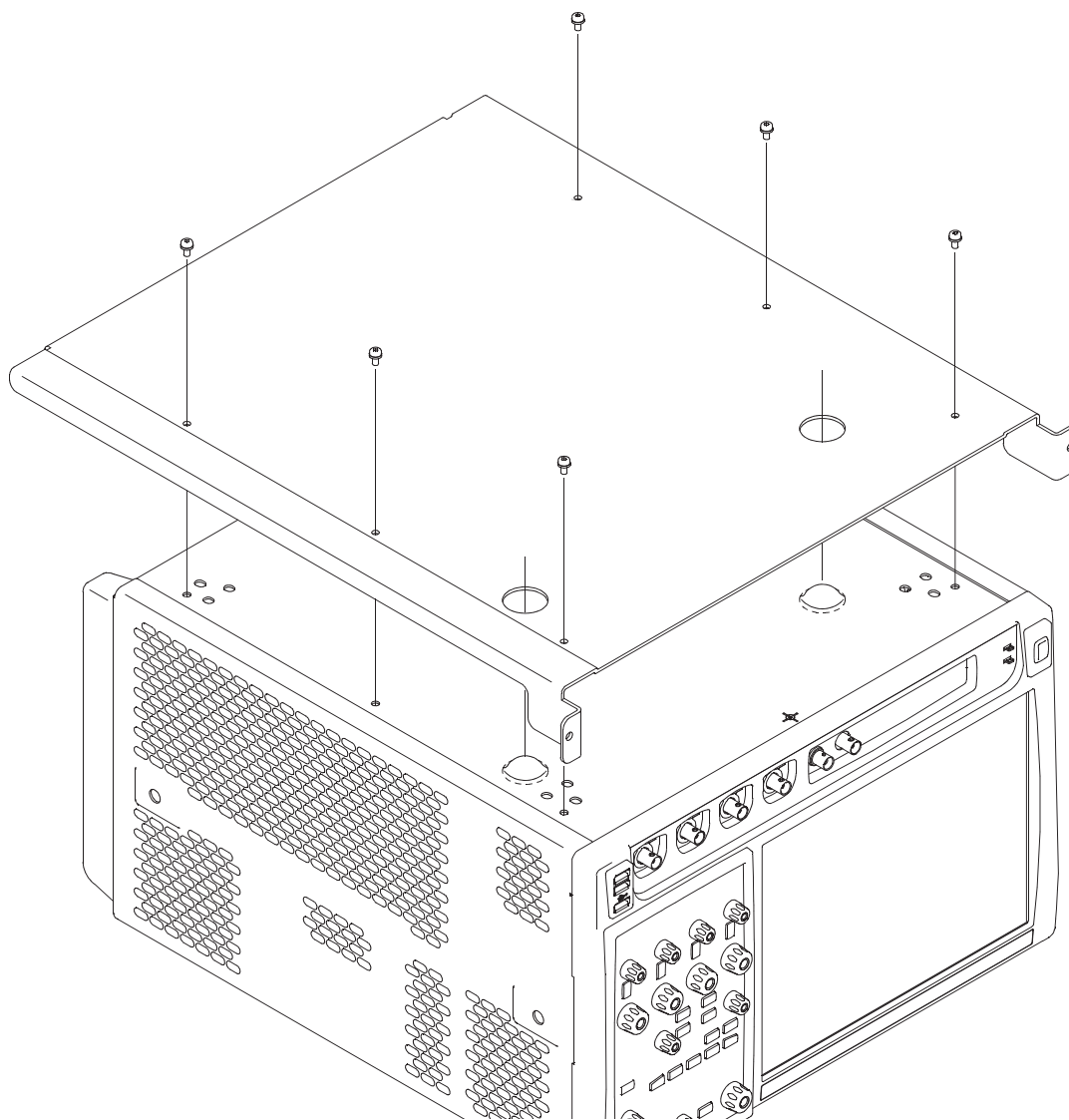
Preparing the rack

5 To prepare the rack for sheet metal nut installation, seven rack mount units must be designated for use. The following diagram shows how to determine a rack unit.

This distance is equivalent to 1 rack unit

Rack units may be designated by arrows. If not, narrow hole spacing indicates start/stop point of rack unit.

Rack side view

Rack front view
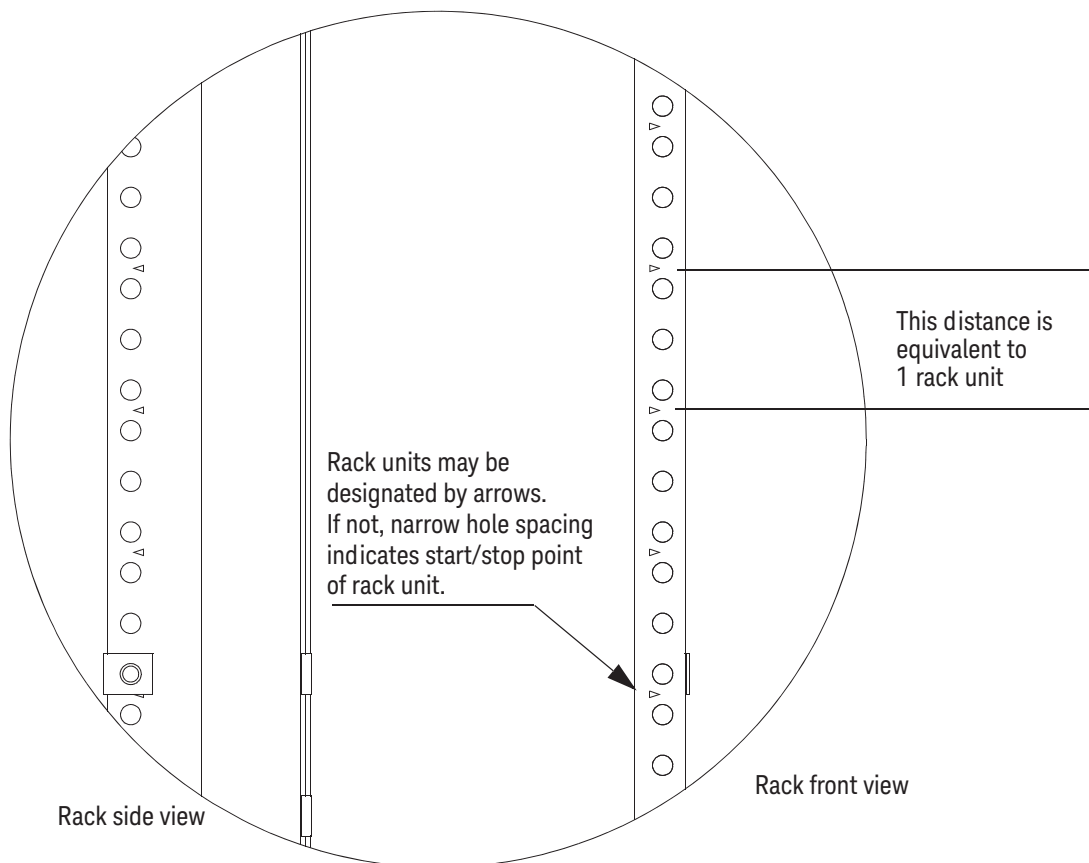
The following figure indicates proper locations for sheet metal nut locations. To ensure a level installation, the same seven rack unit locations are used on each vertical rack piece.

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Rear of Rack

Four nuts installed for track rail. Locations must align front and rear.

To insure proper rail nut installation, align with this nut on front of rack.

Distance from uppermost nut to lowermost nut is equal to seven rack units.

Front of Rack

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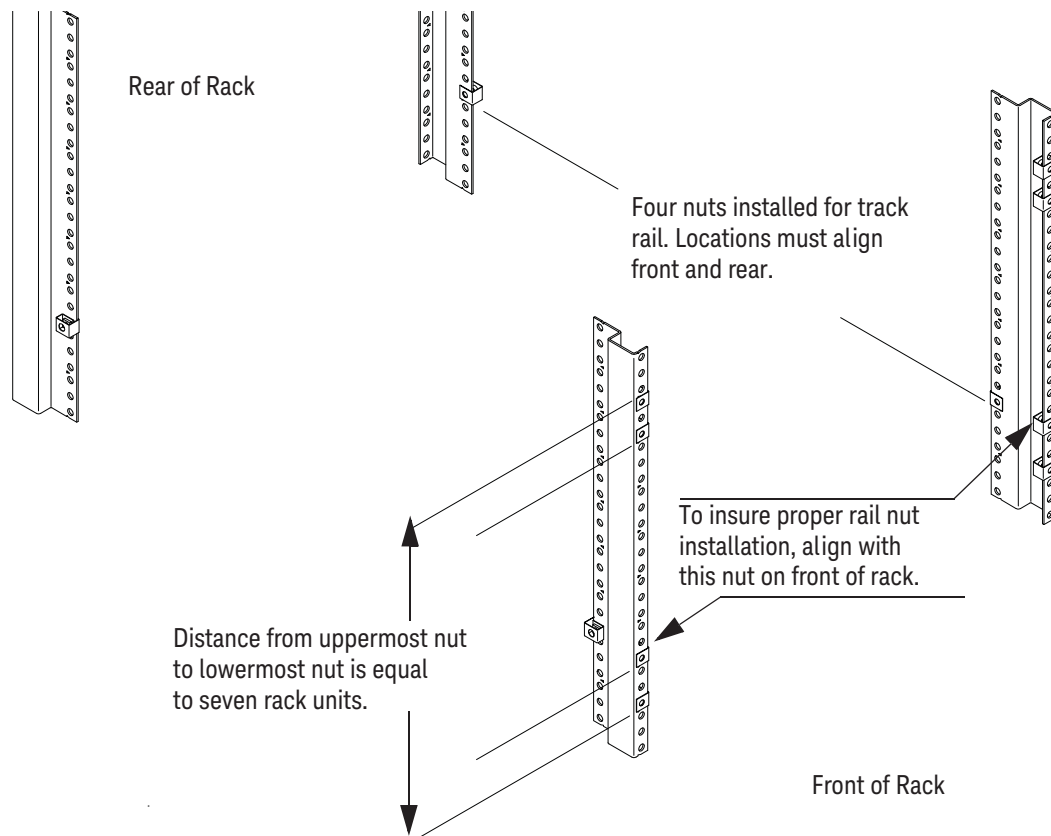
6 Attach the track rails to the rack using the four 10-32 flat head screws and #2 Phillips screwdriver provided.

Track rail (2)

10-32 Flat head screws (4)
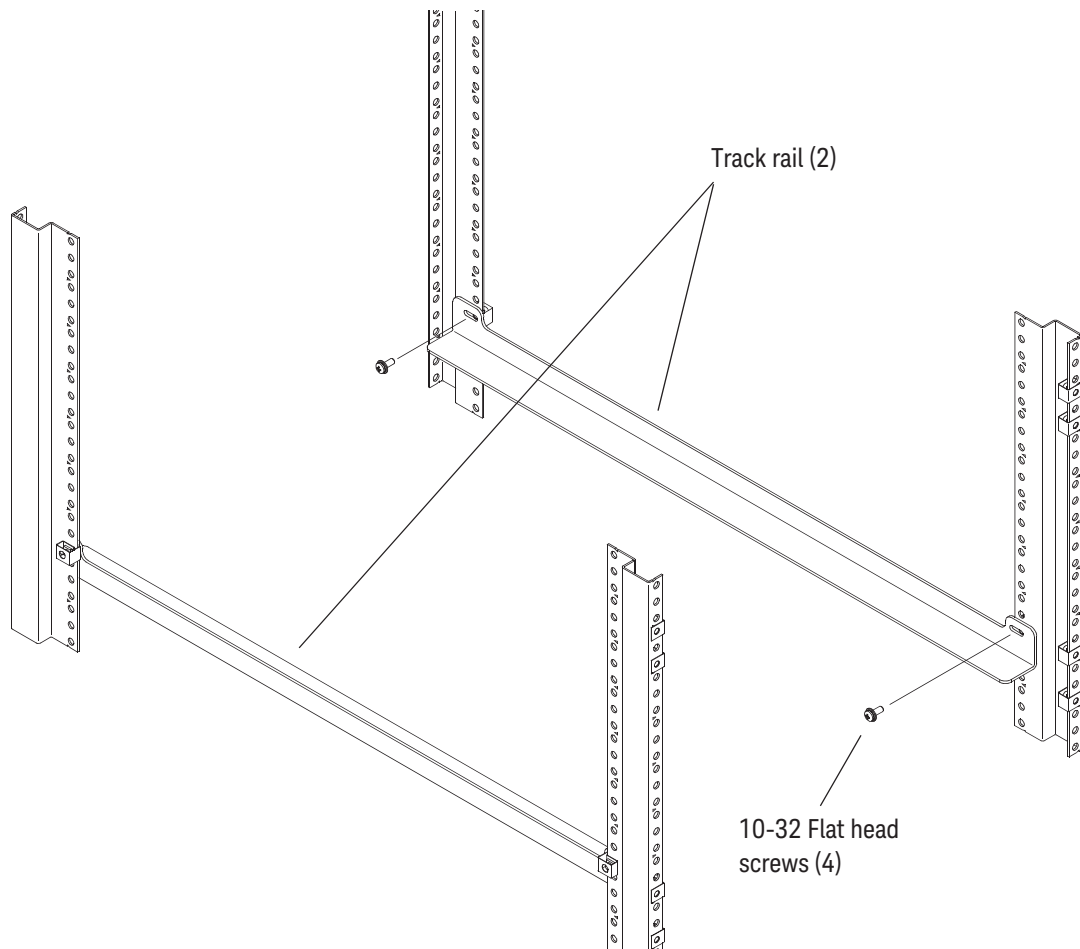
Installing the oscilloscope into the rack

7 Carefully place the oscilloscope (with the support tray attached) onto the track rails. Push the oscilloscope to the rear of the rack until the support tray tabs are against the rack.

Slide back until support tray tabs come into contact with rack.
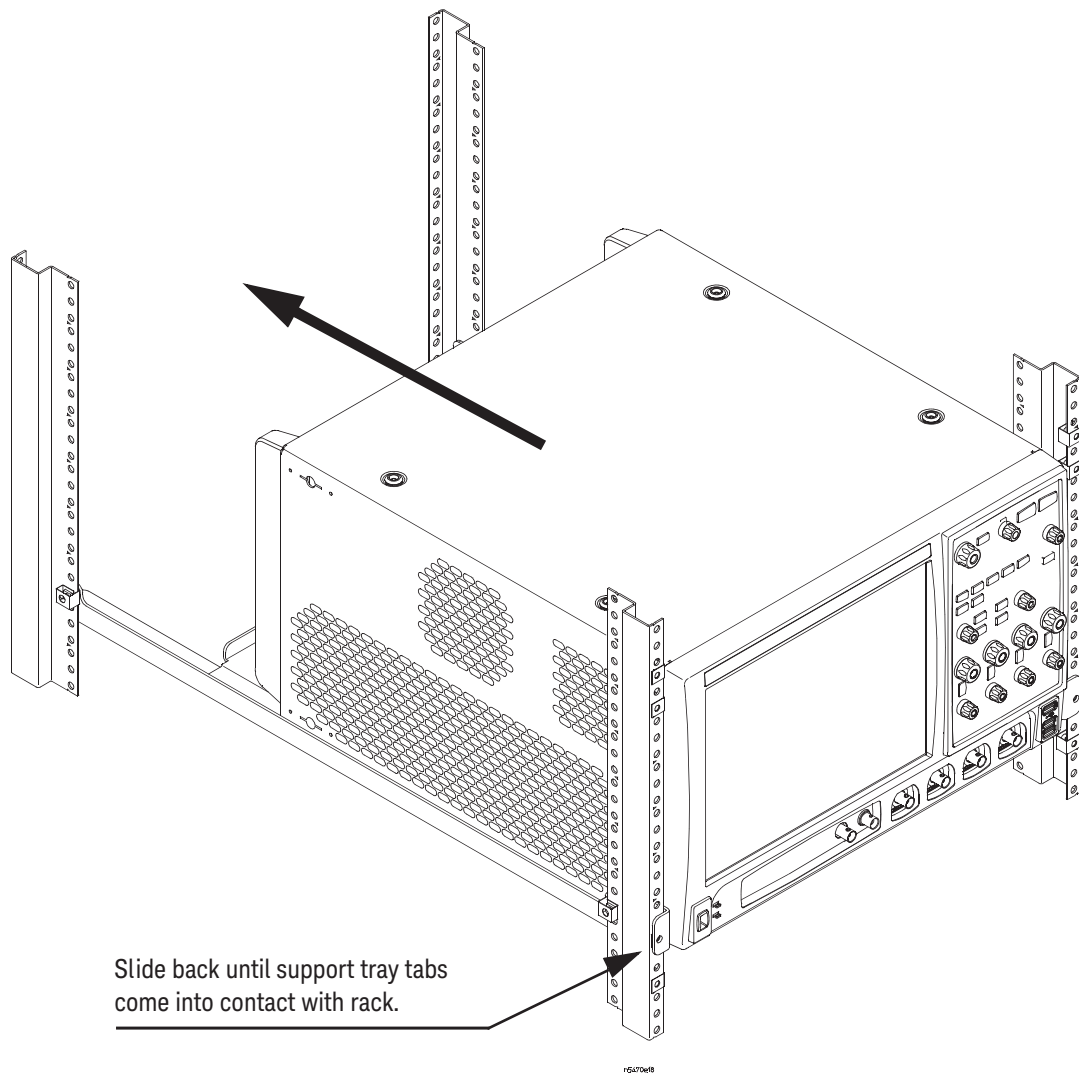
Attaching trim plates

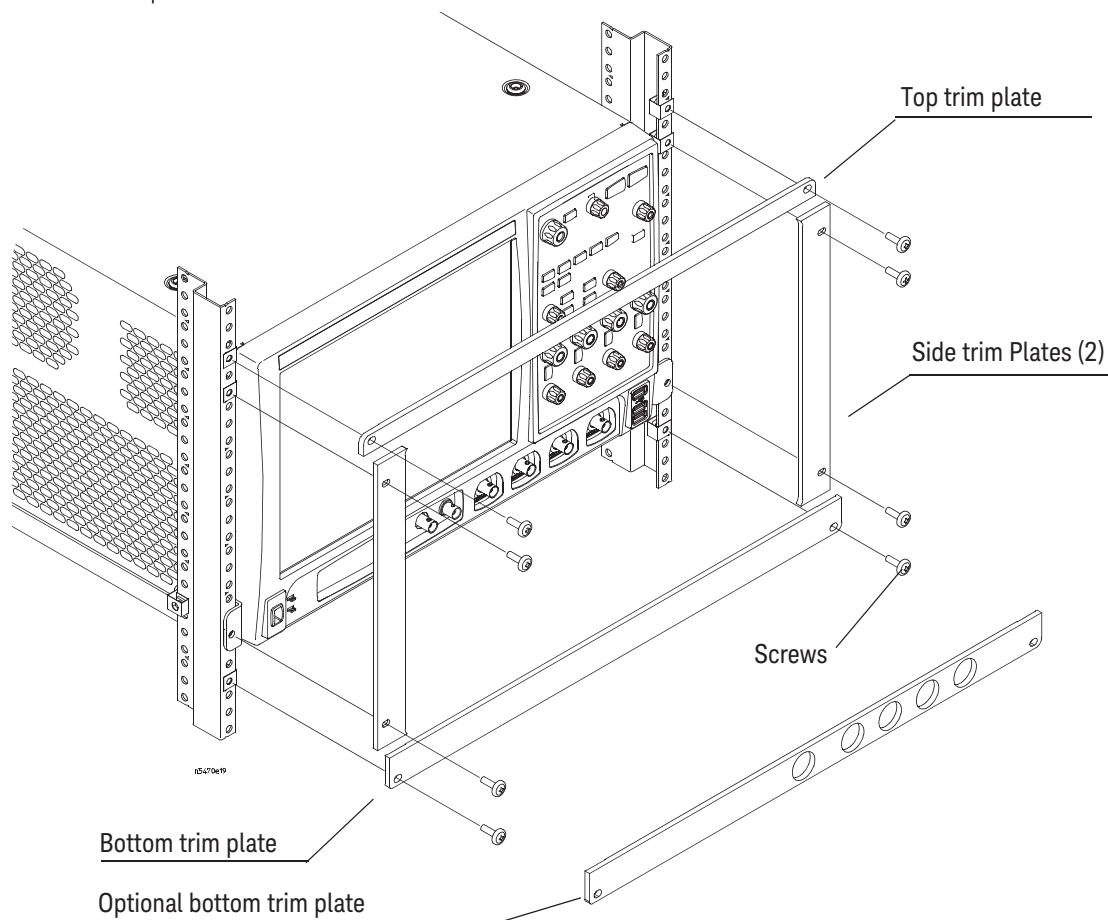**8** Attach the trim plates using the eight 10-32 pan head screws that have nylon washers supplied. An optional bottom trim plate with cabling egress holes is provided.

Top trim plate

Side trim Plates (2)

Screws

Bottom trim plate

Optional bottom trim plate

n5470e19

The oscilloscope is now fully installed in the rack mount assembly.

Dimensions

Approximate Dimensions of Rack Mount Trim Plate Pieces

Side trim plate	Top trim plate	Bottom trim plate	Optional bottom trim plate
▪ Length: 26.39 cm (10.4 in)	▪ Length: 48.26 cm (19 in)	▪ Length: 48.26 cm (19 in)	▪ Length: 48.26 cm (19 in)
▪ Width: 3.11 cm (1.2 in)	▪ Width1.67 cm (0.7 in)	▪ Width: 2.94 cm (1.2 in)	▪ Width: 2.94 cm (1.2 in)

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