

Instructions



TAS 200, TAS 400, TDS 300, TDS 400 & AFG 2020 Rackmount Kit

070-8521-04

Warning

The servicing instructions are for use by qualified personnel only. To avoid personal injury, do not perform any servicing unless you are qualified to do so. Refer to all safety summaries prior to performing service.

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Safety Summary

Only qualified personnel should perform service procedures.

Do Not Perform Service While Alone

Do not perform internal service or adjustment of this product unless another person capable of rendering first aid and resuscitation is present.

Use Care When Servicing With Power On

Dangerous voltages exist at several points in this product. To avoid personal injury, do not touch exposed connections or components while power is on. Disconnect power before removing protective panels, soldering, or replacing components. To avoid personal injury, do not operate the oscilloscope without the panels or covers.

Disconnect Power

To avoid electric shock, disconnect the main power by means of the power cord or, if provided, the power switch.

WARNING

Dangerous shock hazards may be exposed when the oscilloscope cabinet is removed. Before proceeding, ensure the POWER switch is in the OFF position, then disconnect the oscilloscope from the power source. Installation of this kit should only be attempted by qualified service personnel.

CAUTION

Many components within this oscilloscope are extremely susceptible to static-discharge damage. Service the oscilloscope only in a static-free environment and always wear a grounded wrist and foot strap. Observe standard handling precautions for static-sensitive devices while installing this update.

General Information

These instructions contain the following information:

- General Information (this section)
- Attaching the Rack Adapter
- Attaching BNC Cables
- Installing the Adapted Instrument
- Replaceable Parts

Description

The 016-1166-00 Rack Adapter Kit provides all the necessary hardware to prepare your instrument for mounting into an equipment rack (see Figure 1).

Electrical and Environmental Characteristics

Your rackmounted instrument will meet all electrical and environmental characteristics, with the exception of dynamics, stated in the instrument manual when mounted as described in this instruction sheet.

If you use mounting methods other than those described in these procedures, the instrument may not meet the stated environmental characteristics.

Clearance Requirements

Figure 2 is a dimensional drawing showing the assembled rack adapter and instrument. At least 7 inches (178 mm) of vertical space is required to mount the instrument (with the attached adapter) into an equipment rack.

The minimum width between the left- and right-front rails in the equipment rack must be 17.6 inches (448 mm). Total depth of the equipment rack must be at least 20 inches (508 mm). These clearances provide sufficient space for air circulation and accommodate the power cord and mounting hardware.

Equipment List

Table 1 lists the tools you need to attach the rack adapter to the instrument and install the adapted instrument into a standard equipment rack.

Table 1: Tools Required for Rackmount Installation

Item No.	Name
1	P2 POZIDRIV® screwdriver
2	T-15 Torx®-drive screwdriver
3	T-20 Torx®-drive screwdriver
4	Flat-blade screwdriver
5	5/16-inch wrench
6	7/16-inch wrench
7	5/8-inch wrench

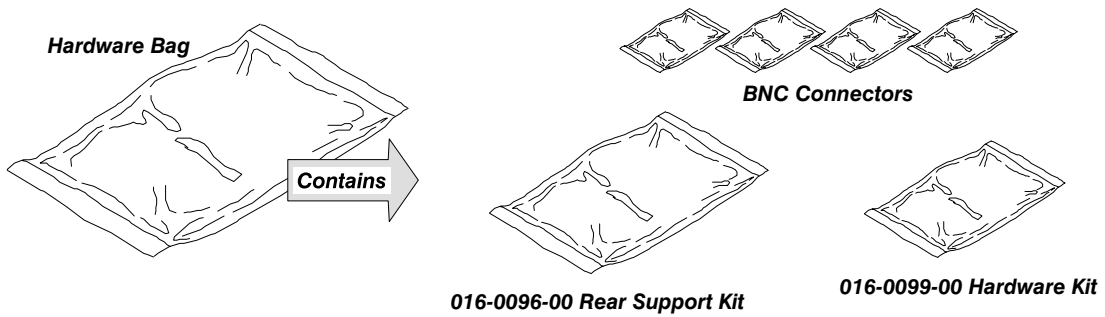
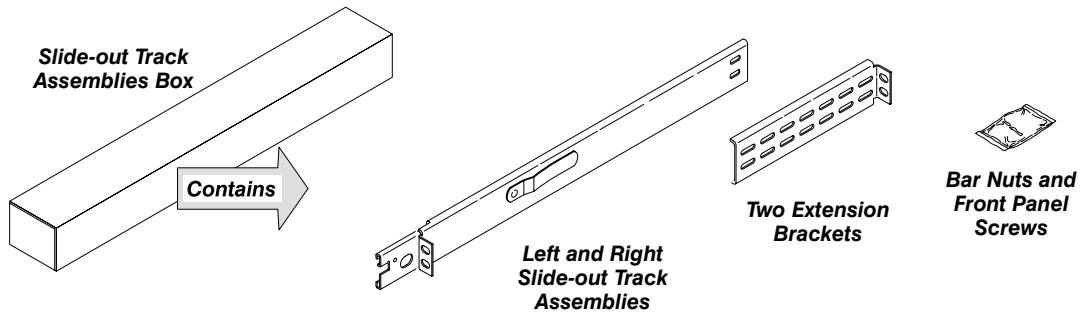
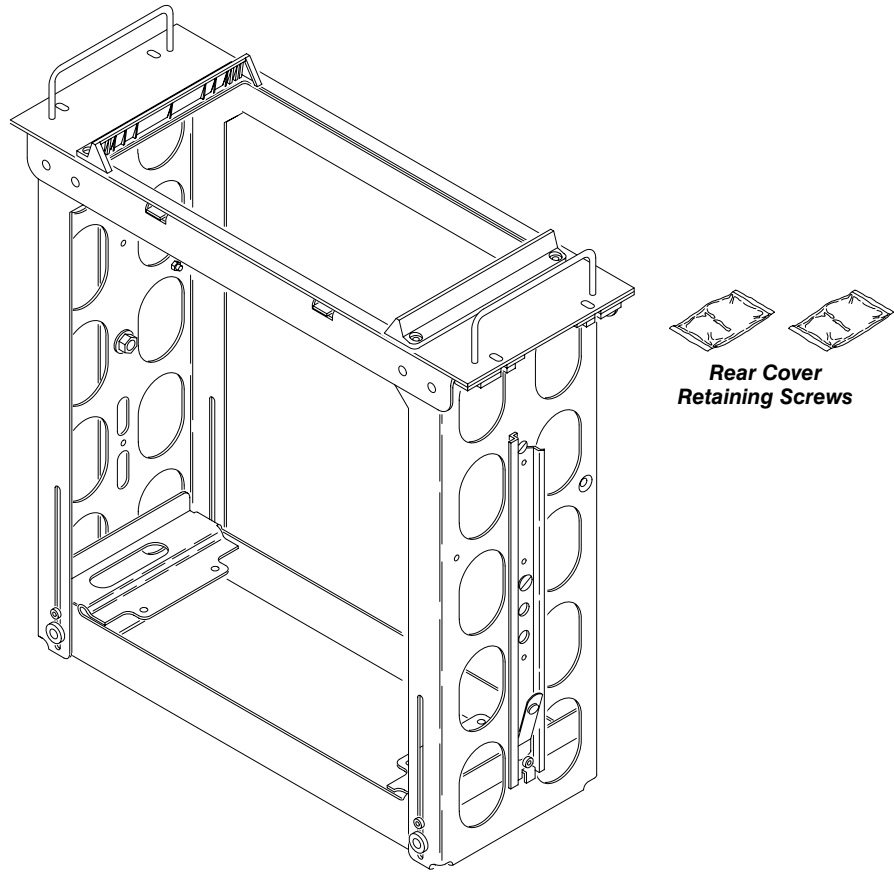


Figure 1: Contents of Shipping Box

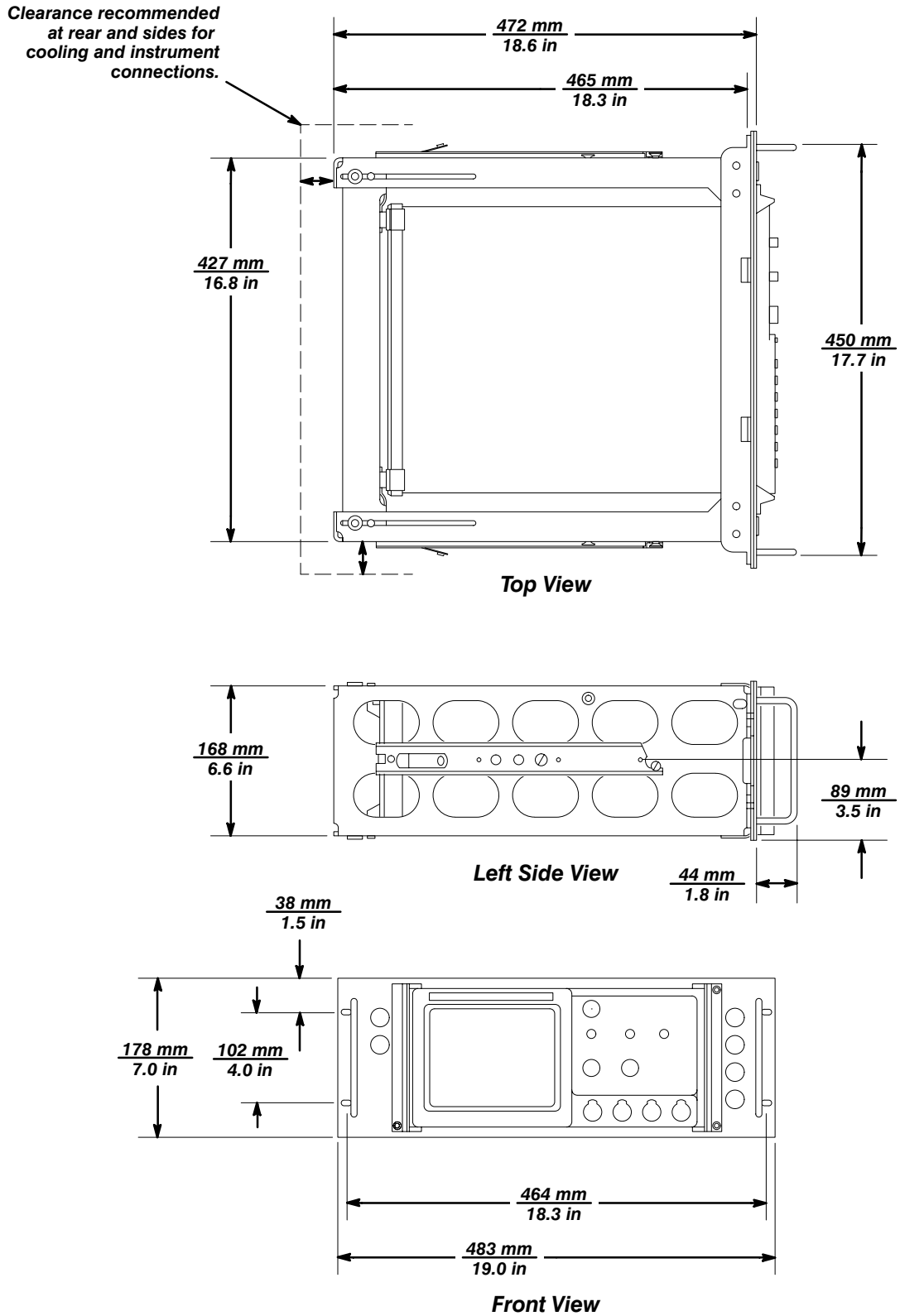


Figure 2: Dimensional Drawing of a Rack Adapted Instrument

Attaching the Rack Adapter

This section contains the following information:

- how to prepare your instrument to attach the rack adapter
- how to attach the rack adapter to your instrument

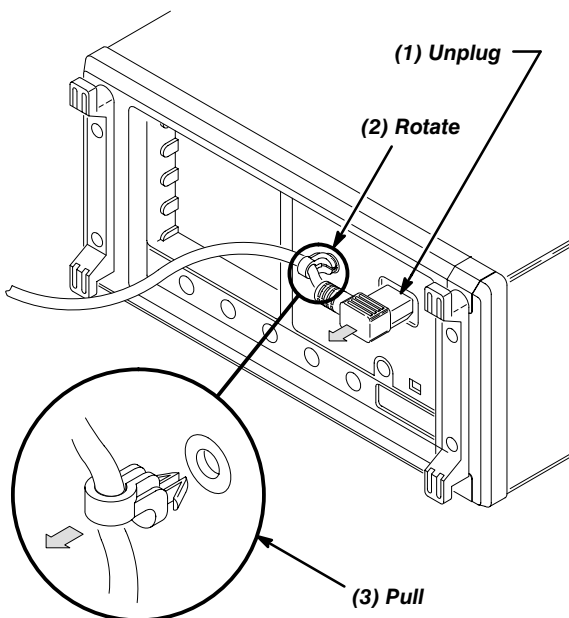
Preparing the Instrument



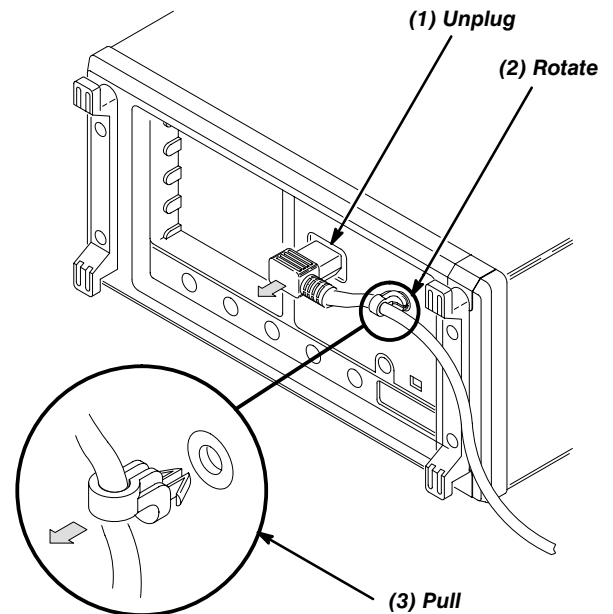
If your instrument was purchased with the rack adapter attached to your instrument, proceed to *Attaching BNC Cables* beginning on page 17.

To convert the standard instrument to the rack-adapted version, perform the following steps.

1. Remove the power cord:
 - a. Disconnect the power cord from the power source.
 - b. Unplug the power cord from the rear of the instrument.
 - c. Grasp the end of the line cord and retaining clamp and rotate them 90° counterclockwise (see Figure 3).



TDS 400 Series
AFG 2020



TAS 400 Series
TDS 300 Series

Figure 3: Removing the Power Cord

2. Remove the rear cover:
 - a. Install the optional protective front cover if available.
 - b. Place the instrument face down on a smooth, padded work surface.
 - c. Remove the four screws securing the rear cover as shown in Figure 4.

NOTE

Save these four rear cover screws if you want to convert the instrument to a standard version at a later time.

- d. Lift the rear cover off the instrument, noting its orientation and save for later re-installation.

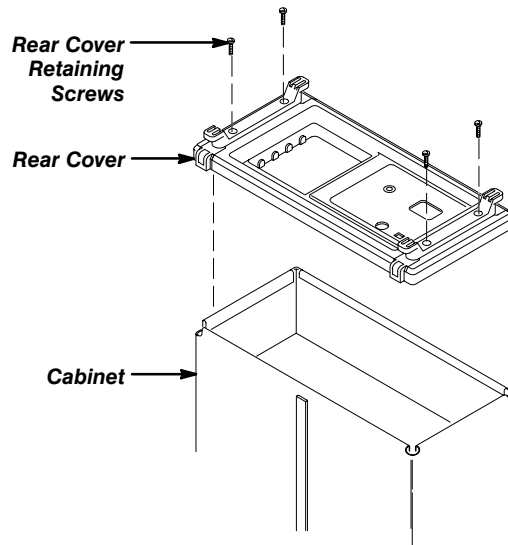


Figure 4: Removing the Rear Cover

3. Remove the cabinet:

- a. Remove the screw(s) from the cabinet as shown in Figure 5.

Save this screw for use in Step 4 of *Installing the Instrument Into the Rack Adapter* on page 14.

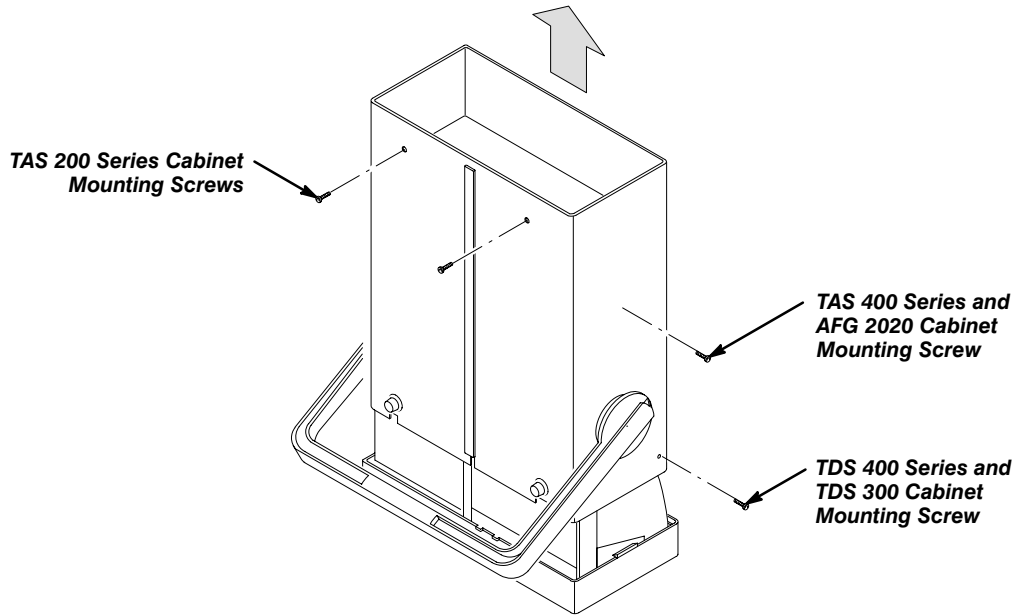


Figure 5: Removing the Cabinet

- b. Slide the cabinet off the instrument, noting its orientation, and using care not to pull on any internal instrument wiring.

4. Remove the handle and front feet from the cabinet:
 - a. Using a #T20 Torx-drive screwdriver, remove the two screws retaining the cabinet handle, and remove the handle (see Figure 6).
 - b. Remove the two front feet from the cabinet by placing a screwdriver or pair of needle-nose pliers under the rubber foot from the outside and prying the pressmount foot from the hole in the cabinet.

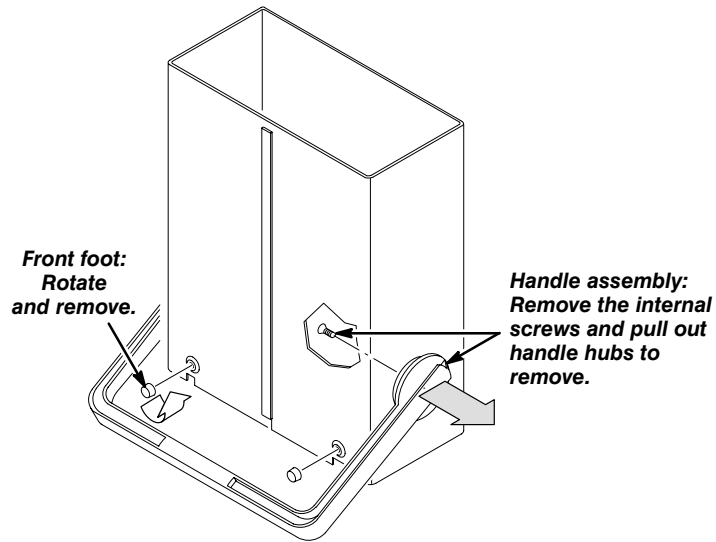


Figure 6: Removing the Handle and Front Feet

Installing the Instrument into the Rack Adapter

The following steps describe how to install the instrument into the rack adapter.

1. Install the instrument rear cover and cabinet into the rack adapter.
 - a. Place the rear of the rack adapter on a smooth work surface so the chassis is standing face up.
 - b. On the rack adapter, loosen (but do not remove) the four screws with lock washers and the four screws with nylon washers that secure the rear cabinet support in position. See Figure 7.
 - c. Slide the rear cabinet support to the rear of the rack adapter.
 - d. Temporarily remove both front support brackets from the rack adapter front panel by removing the two screws with washers from each bracket.

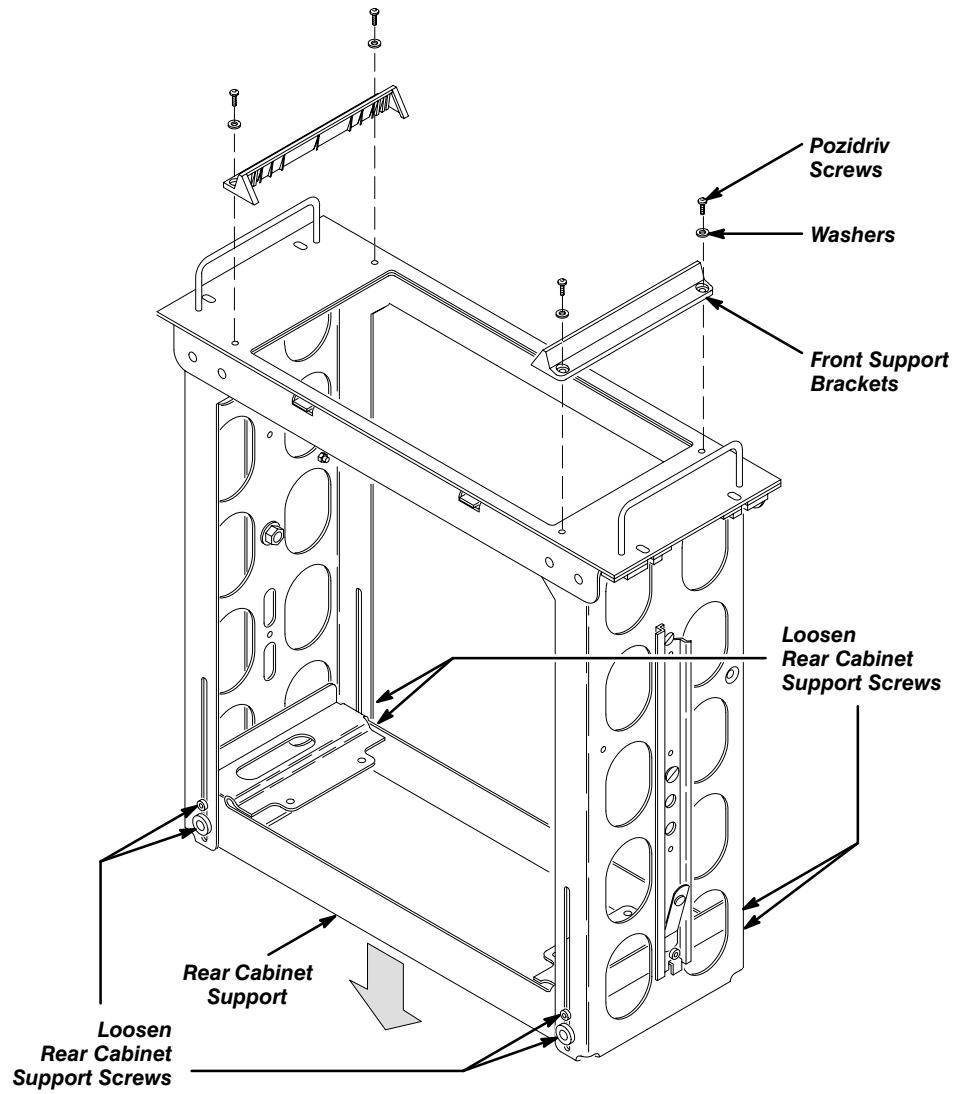


Figure 7: Preparing the Rack Adapter for the Instrument

- e. Place the instrument rear cover on the rack adapter rear support, ensuring that the feet are facing the bottom of the rack adapter. See Figure 8.

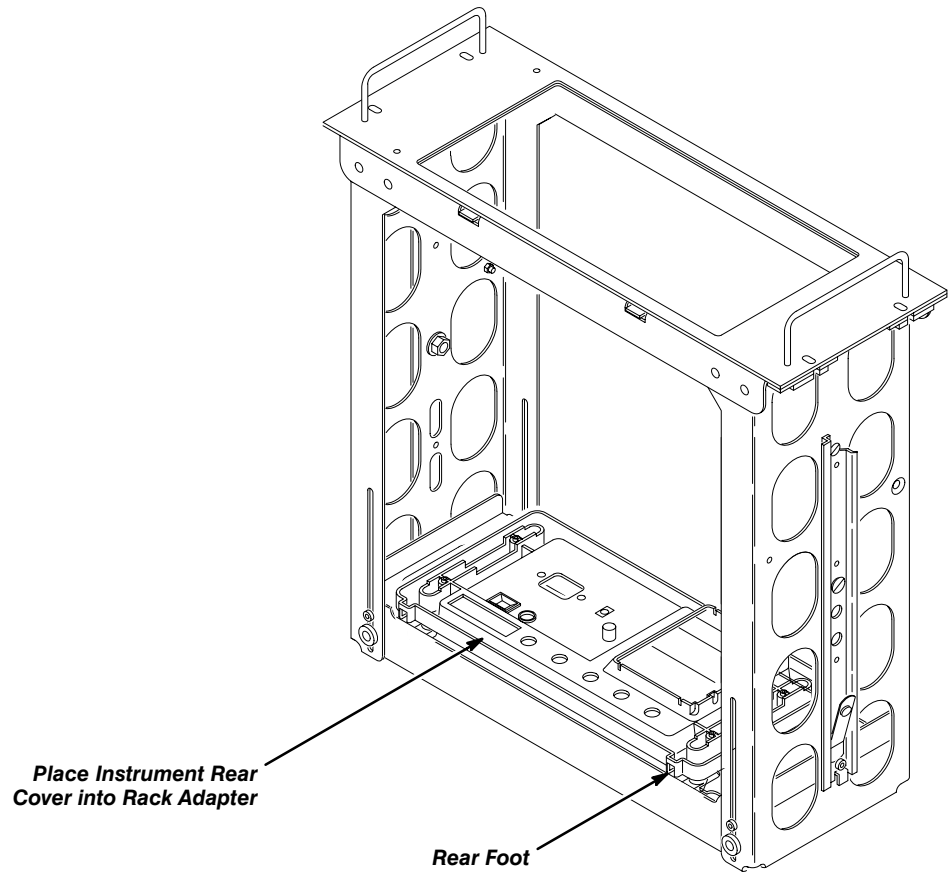


Figure 8: Insert the Rear Cover

- f. Insert the instrument cabinet into the rack adapter through the top or bottom of the adapter chassis. The cabinet seam should be on the bottom and the handle holes nearest the front. See Figure 9.

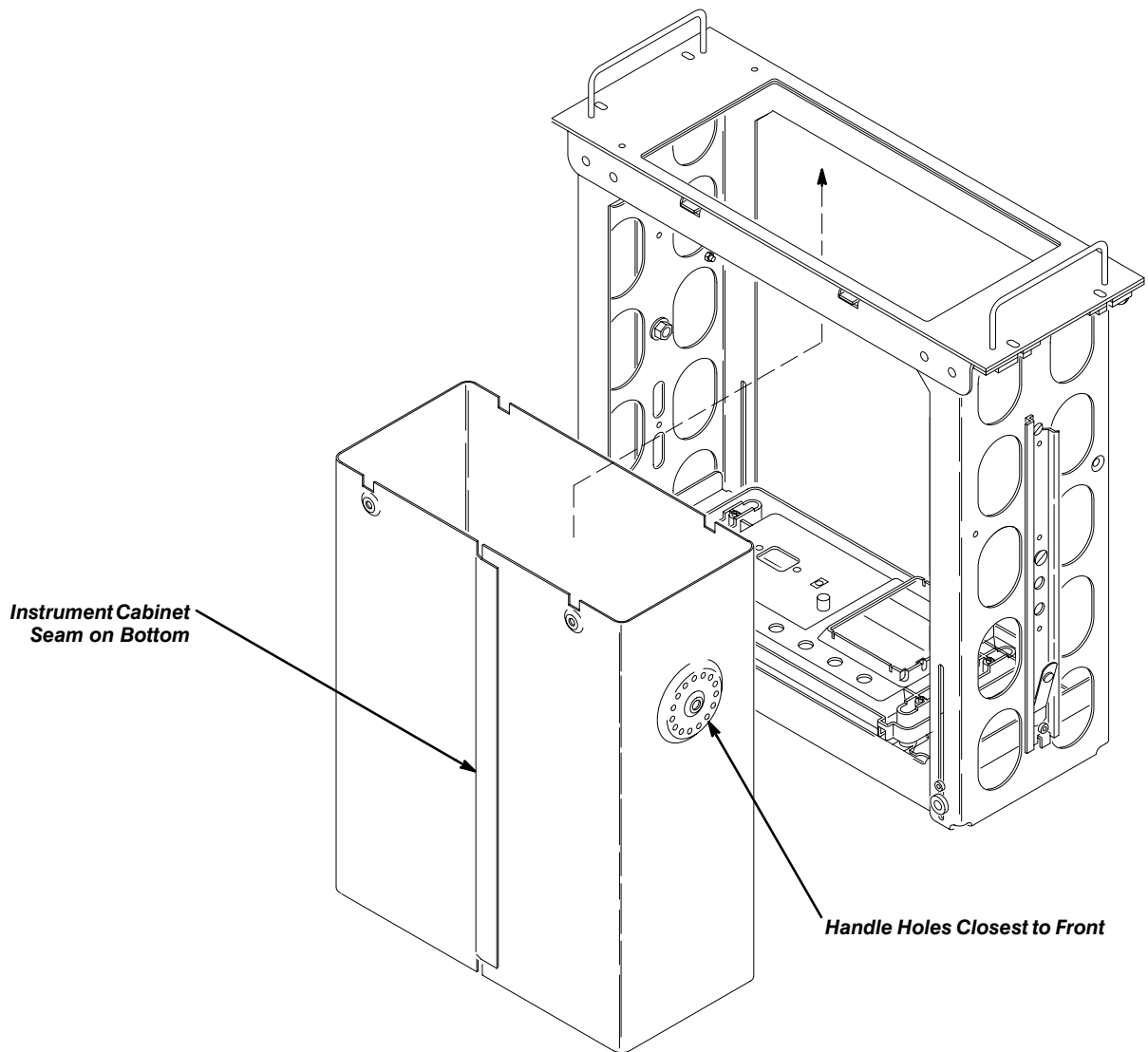


Figure 9: Insert the Instrument Cabinet into Rack Adapter

- g. Slide the instrument cabinet down so that it properly engages with the rear cover. See Figure 10.

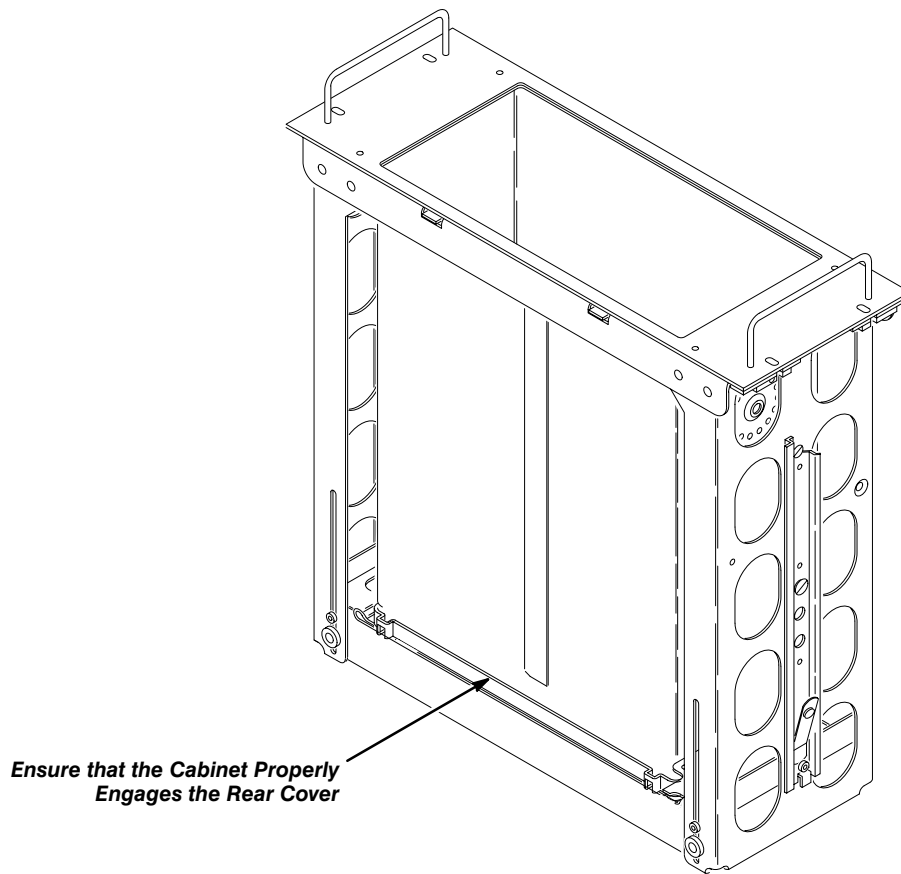


Figure 10: Instrument Cabinet and Rear Cover Installed

2. Install the instrument into the assembly.

WARNING

The exposed edges of the cabinet may be sharp. Use care not to pinch fingers while installing the instrument into the cabinet during the next step.

- a. Slide the instrument into the instrument cabinet, using care not to pull on any internal instrument wiring.
- b. Check that the front decorative trim of the instrument is seated against the rack adapter front panel.
- c. Attach the instrument front support brackets (removed in Step 1d) using the four screws and four washers. See Figure 11.

- d. Keeping a snug fit against the instrument, tighten the four screws.

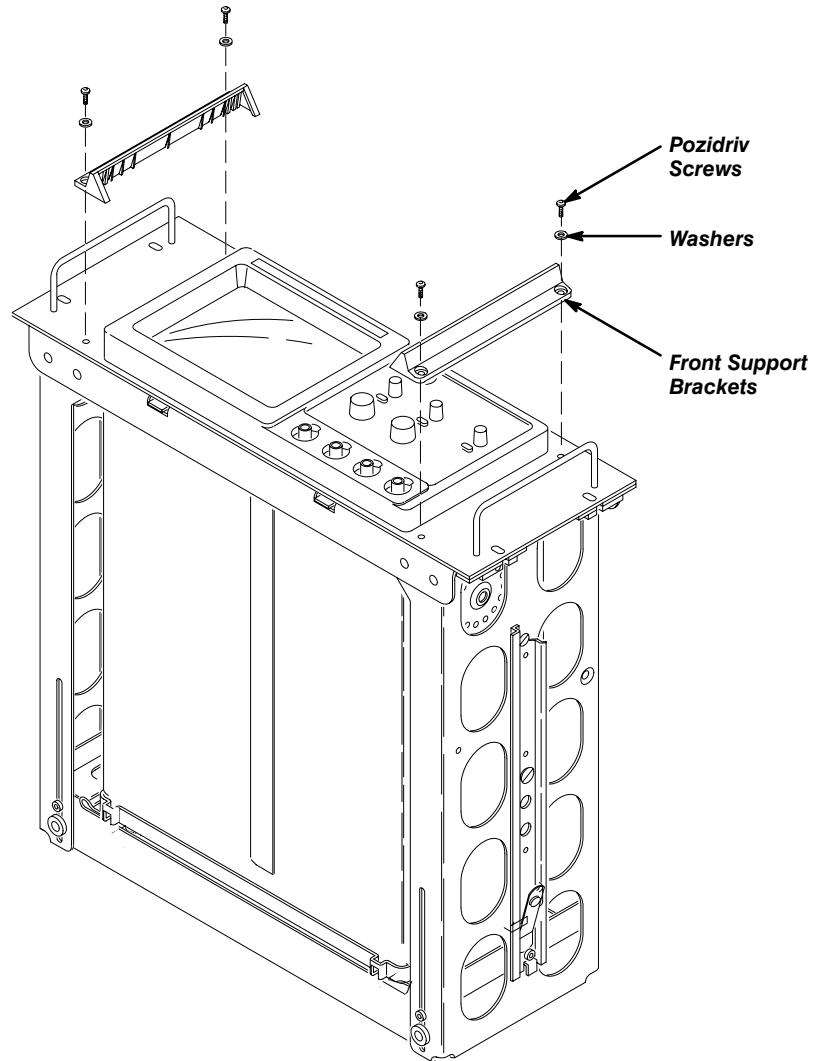


Figure 11: Install the Front Support Brackets

3. Secure the instrument to the rack adapter rear support.
 - a. Carefully place the rack adapter with the instrument face down.
 - b. Slide the rack adapter rear support (along with the instrument rear cover and cabinet) against the instrument chassis, being careful not to push the instrument forward. See Figure 12.
 - c. Check that the instrument cabinet is properly engaged with both the rear cover and front decorative trim.

- d. Install four rear cover retaining screws through the rear support bracket, the instrument rear cover, and into the instrument chassis, and tighten. Use the M3 x 0.5 x 40 mm screws for the TAS 200 instruments. Use the 6-32 x 1 1/2 inch screws for the other instruments.

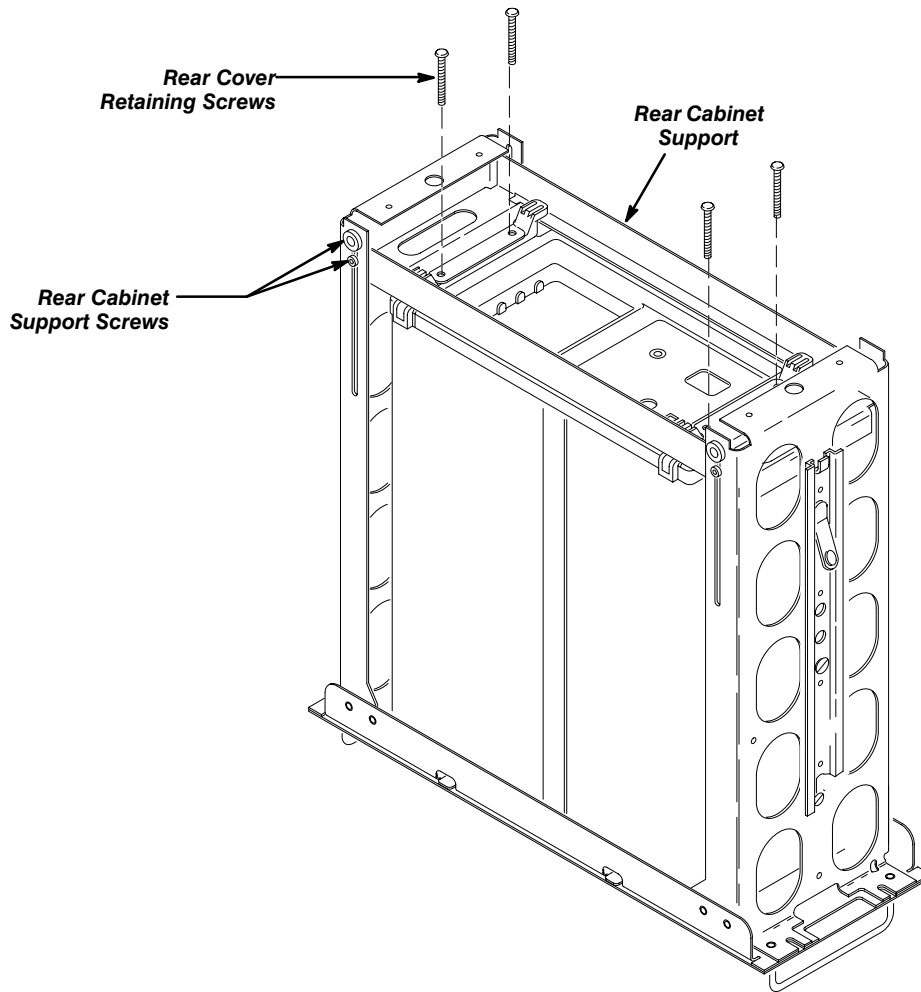


Figure 12: Secure the Instrument to the Rack Adapter

- e. Tighten the four support screws with lock washers and the rear cabinet support screws with nylon washers loosened in Step 1b. See Figure 12.
4. Re-install the screw into the left side of the instrument cabinet removed in Step 3a of *Preparing the Instrument* on page 7.
5. If you want to let the instrument tilt up for maintenance purposes, remove the swivel retaining screw in both chassis rails. See Figure 13.

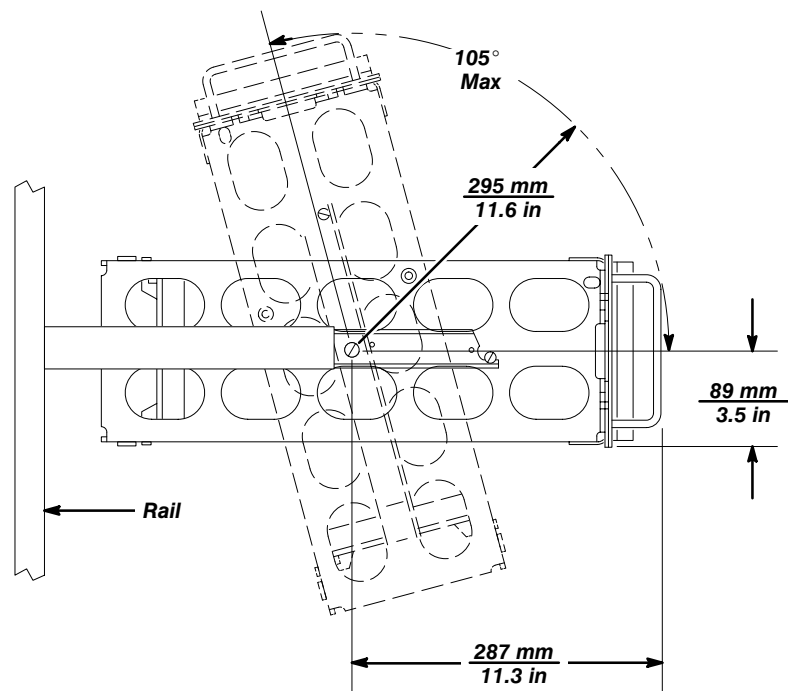
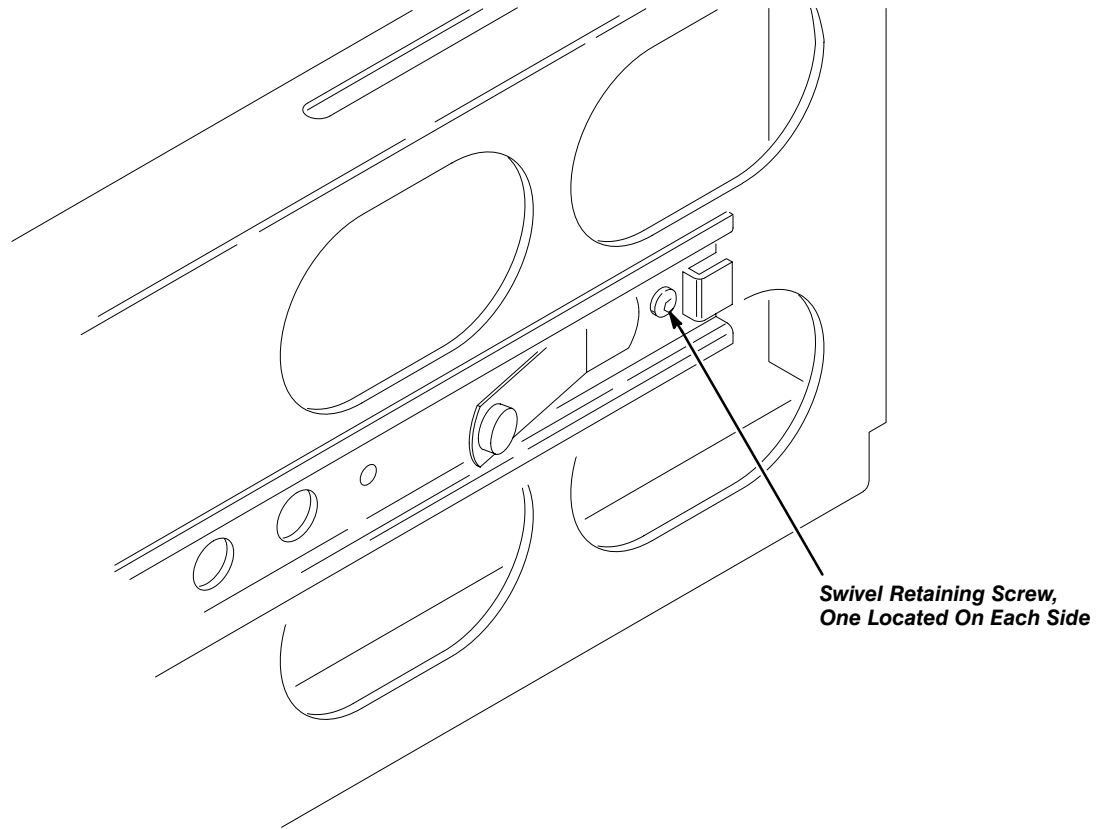


Figure 13: Removal of Swivel Retaining Screws

Attaching BNC Cables

This section provides instructions on how to access the rear panel BNC connectors of the instrument and make the front panel BNC connectors accessible from the rear of the equipment rack.

Four BNC female-to-female connectors are provided in this kit, although the rack adapter is capable of having a total of six connections installed. Four 10-inch 50 Ω BNC cables are provided to interconnect between the instrument front panel and the rack adapter front panel.

One 50 Ω BNC cable (at least 30 inches long) is required for each rear panel BNC connector you wish to access from the front of the equipment rack.

Additional 50 Ω BNC cables (length determined by the application) are also required for connections to other equipment. These cables are available through your local Tektronix distributor.

If you do not wish to make any connectors accessible, proceed to *Installation Into the Equipment Rack* beginning on page 21.

Rear Panel Cabling

Perform the following procedure for each rear panel BNC connector you wish to have accessible at the front of the equipment rack.

1. Install a BNC connector into the button hole. Refer to Figure 14.
 - a. Remove one of the button plugs from the left-front frame.
 - b. Open one of the bags containing a BNC connector and the necessary mounting hardware.
 - c. Place the rubber washer on the threaded end of the BNC connector and insert the connector through the button hole.
 - d. Secure the BNC connector in place using the lock washer and nut.
 - e. Use a $\frac{5}{8}$ -inch wrench to tighten the nut.

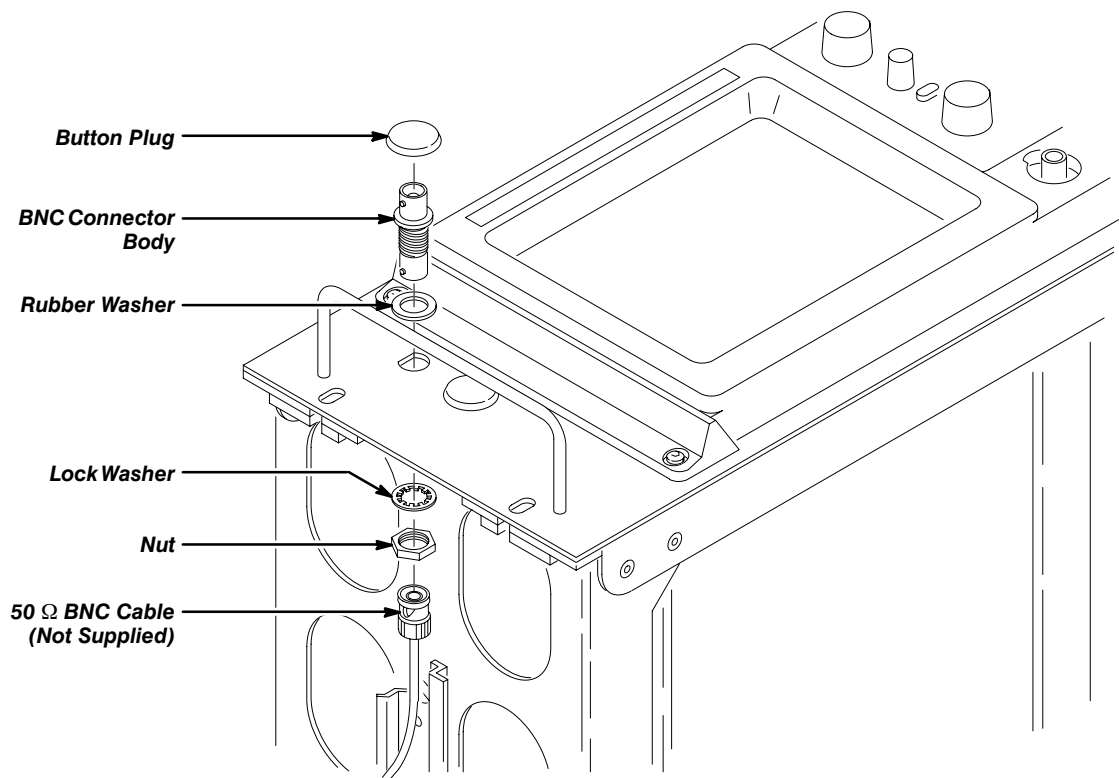


Figure 14: Installing BNC Connectors

2. Connect the BNC 50 Ω cable.
 - a. Connect one end of a BNC cable to the rear of the BNC connector.
 - b. Ensure that the nylon channel grommets are properly installed into the channels in the rear support (see Figure 15).

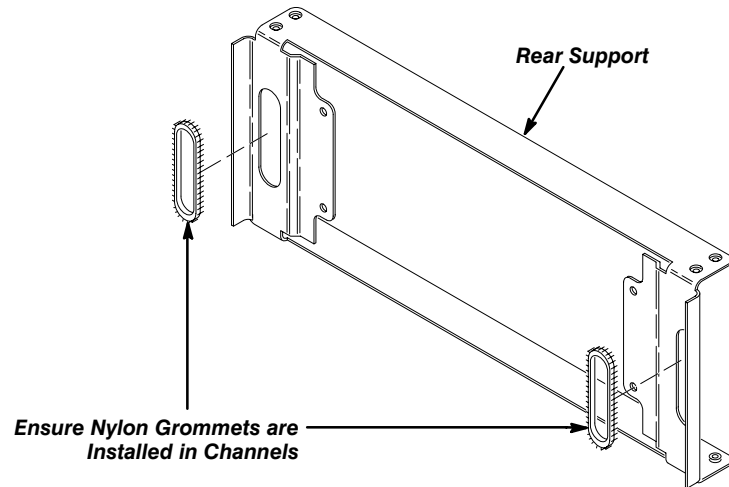


Figure 15: Nylon Channels Installed in the Rear Support

- c. Feed the other end of the BNC cable through the grommet hole in the rear support and connect it to a rear panel connector on the instrument.
3. Place the appropriate self-adhesive label on the front panel of the rack adapter to identify the connector.

Front Panel Cabling

To make the front panel BNC input connectors accessible to other equipment at the rear of the equipment rack, use the following procedure.

1. Install a BNC connector into the button hole. See Figure 14 on page 18.
 - a. Remove one of the button plugs from the right-front frame.
 - b. Open one of the bags containing a BNC connector and the necessary mounting hardware.
 - c. Place the rubber washer on the threaded end of the BNC connector and insert the connector through the button hole.
 - d. Secure the BNC connector in place using the lock washer and nut.
 - e. Use a $\frac{5}{8}$ -inch wrench to tighten the nut.
 - f. Repeat this for each BNC connector you wish to install.
2. Connect a BNC 50 Ω cable.
 - a. Connect one end of a BNC cable to the rear of the BNC connector.
 - b. Ensure that the nylon channel grommets are properly installed into the channels in the rear support. See Figure 15 on page 19.
 - c. Feed the other end of the BNC cable through the grommet hole in the rear support. After you install the rackmounted instrument in the next section, remember to connect the cable to the desired connector (see *Final Installation* on page 34).
3. Place the appropriate self adhesive label on the front panel of the rack adapter to identify the connector.
4. Attach a 10-inch BNC 50 Ω cable from the instrument to the installed BNC connectors (see Figure 16).

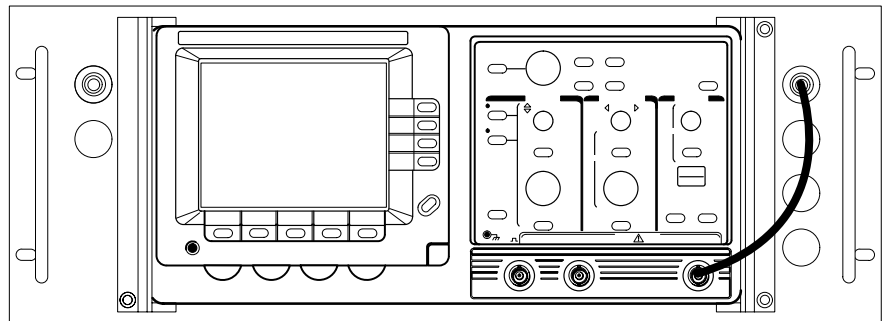


Figure 16: Front Panel Cabling

Installation Into the Equipment Rack

This procedure provides instructions on how to install the slide-out tracks into an equipment rack.

These procedures include two installation methods.

- Installing the adapted instrument into a standard 19-inch (front-to-rear rail spacing) equipment rack using the rear-support kit supplied with this rackmount kit.
- Installing the adapted instrument into an equipment rack with front-to-rear rail spacings between 14 inches and 26 inches; however the rear-support kit cannot be used.



In an environment where the rackmounted instrument will be subjected to severe vibration and shock, the supplied rear-support kit must be used.

Both mounting methods permit the instrument to be extended out of the equipment rack with the slide-out tracks. These tracks allow you to gain access to the rear of the instrument without removing the instrument from the equipment rack. When the tracks are fully extended, the instrument can be tilted down for easier access to the rear-panel connectors. Be sure the power cord and any interconnecting cables are long enough for this type of use.

NOTE

The hardware kits contain hardware needed for mounting the instrument in several configurations. Not all hardware will be used.

Attach the Front Ends of the Slide-Out Tracks

This procedure provides instructions on how to attach the front ends of the slide-out tracks to the equipment rack.

1. Identify the left and right slide-out tracks.



Identify the left and right slide-out track assemblies by locating the label on each track assembly. The label has a date code and the last two characters indicate whether the assembly is the right-hand (RH) or left-hand (LH).

Left and right is defined while viewing from the front of the rack-mount assembly. Figure 17 shows the left and right tracks.

WARNING

During rackmount installation, interchanging the left and right slide-out track assemblies defeats the extension stop (safety latch) feature of the tracks. Equipment could, when extended, come out of the slides and fall from the rack, possibly causing personal injury and equipment damage.

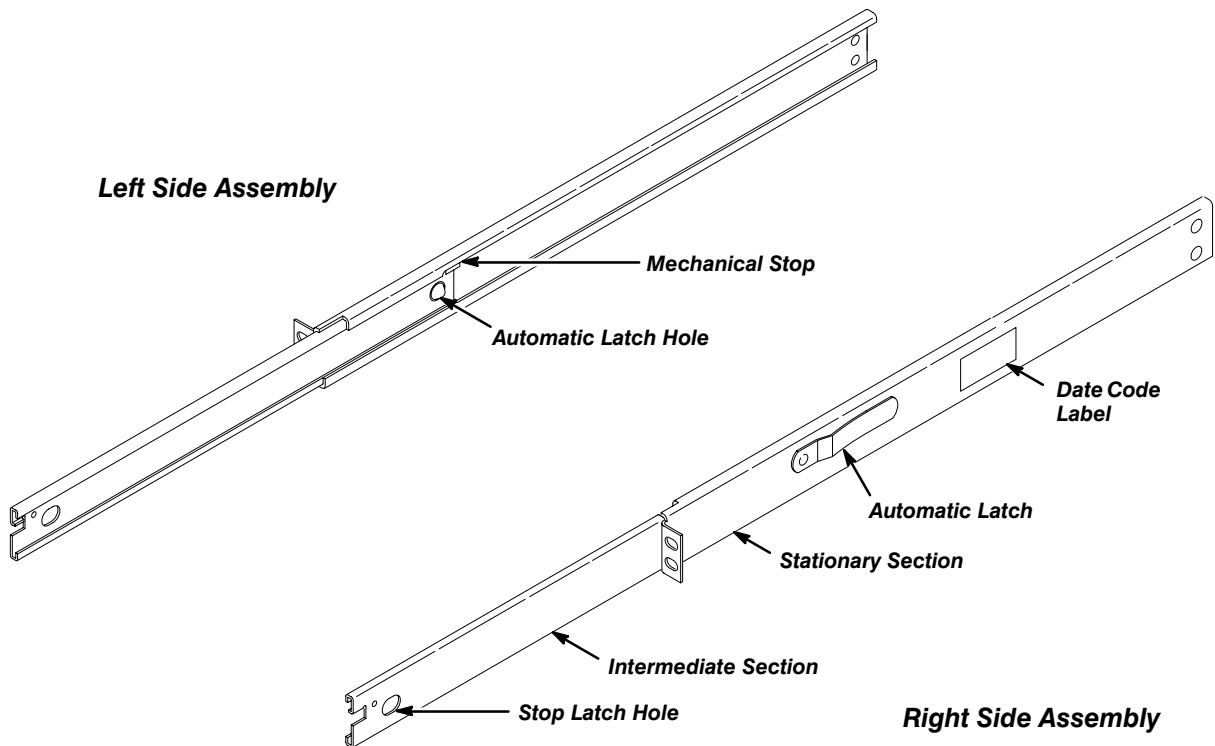


Figure 17: Slide-Out Tracks

2. Select appropriate rail mounting holes on the equipment rack cabinet, verifying the 7-inch (178 mm) vertical clearance requirements as shown in Figure 18.

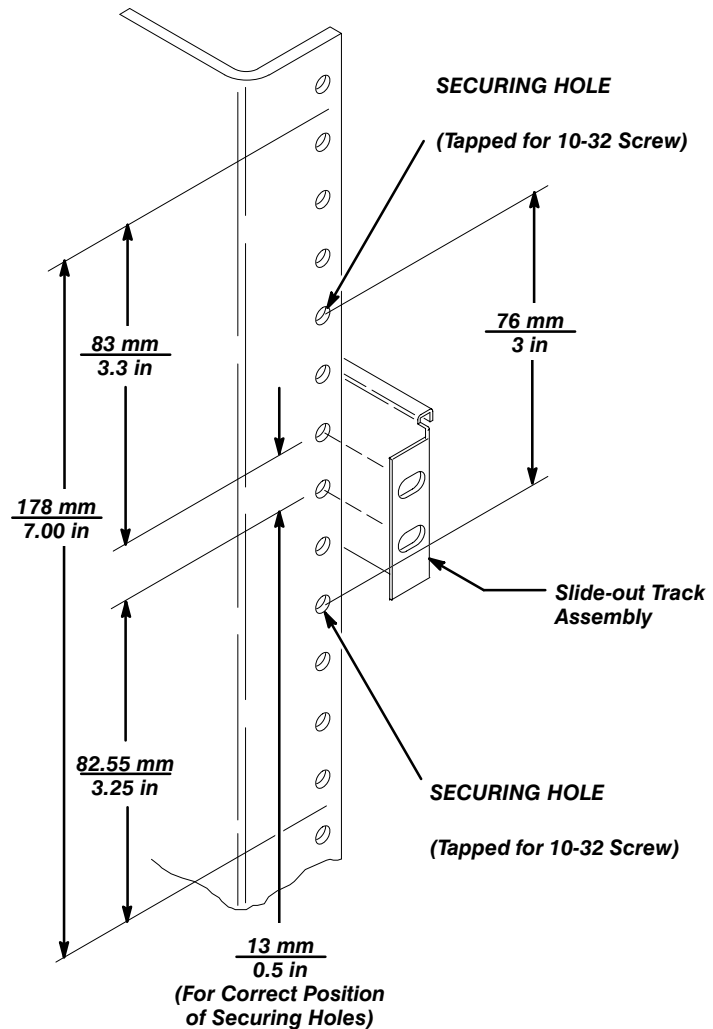


Figure 18: Locating Mounting Holes for the Stationary Sections

3. Attach the front end of the slide-out tracks to the equipment rack either in front (Step 3a) or behind (Step 3b) the equipment rack rails. Use the hardware from the bag supplied with the slide-out track assemblies.
 - a. To mount the slide-out tracks in front of the equipment rack rails, use one of the following methods and refer to Figure 19.
 - If the equipment rack front rails are tapped for 10-32 screws, use four 10-32 pan head screws.
 - If the equipment rack front rails are untapped, use four 10-32 screws and a bar nut.

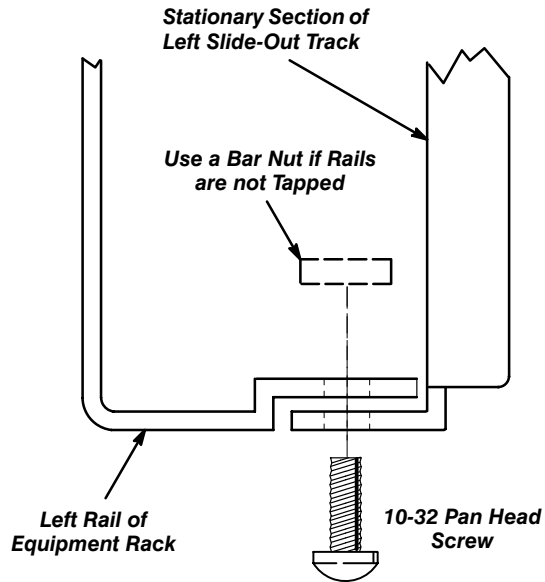


Figure 19: Attaching the Slide-Out Tracks in Front of the Equipment Rack Rails

- b. To mount the slide-out tracks behind the equipment rack rails, use one of the following methods and refer to Figure 20.
- If the equipment rack rails have countersunk mounting holes, use four flat-head 10-32 screws and a bar nut.
 - If the equipment rack rails do not have countersunk mounting holes, use four pan-head 10-32 screws and a bar nut.

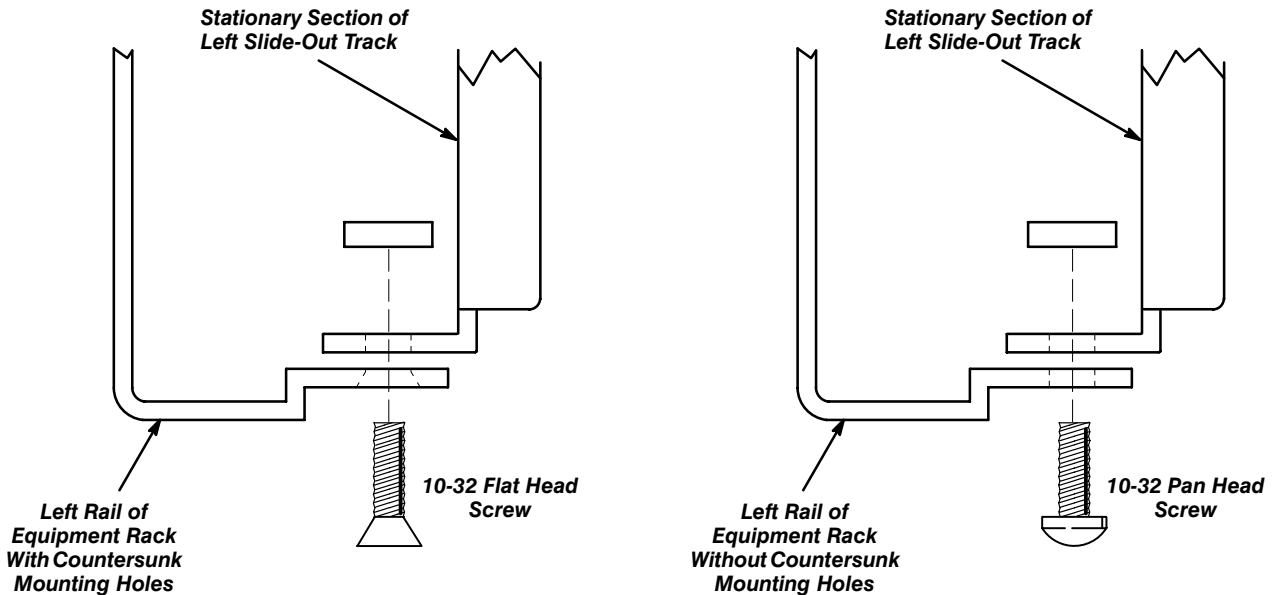


Figure 20: Attaching the Slide-Out Tracks Behind the Equipment Rack Rails

Attach the Rear Ends of the Tracks

This section contains procedures for attaching the slide-out tracks to the rear of the equipment cabinet.

The procedure is divided into two sub-sections, depending on the size of the equipment rack.

- *19-Inch Standard Cabinet Installation* for installing the slide-out tracks into a cabinet with front-to-rear rail spacing of 19 inches. This procedure follows immediately.
- *14- to 26-Inch Cabinet Installation* for installing the slide-out tracks into a cabinet with front-to-rear rail spacings of 14 to 26 inches. This procedure begins on page 31.

19-Inch Standard Cabinet Installation

This procedure uses the supplied rear support kit.

If the equipment rack is of a size other than 19 inches, proceed to the section titled *14- to 26-Inch Cabinet Installation* beginning on page 31.

1. Open the rear support kit parts bag. The rear support kit bag is identified by the hardware kit number 016-0096-00.
2. Attach a support pin to each of the two angle brackets. See Figure 21.

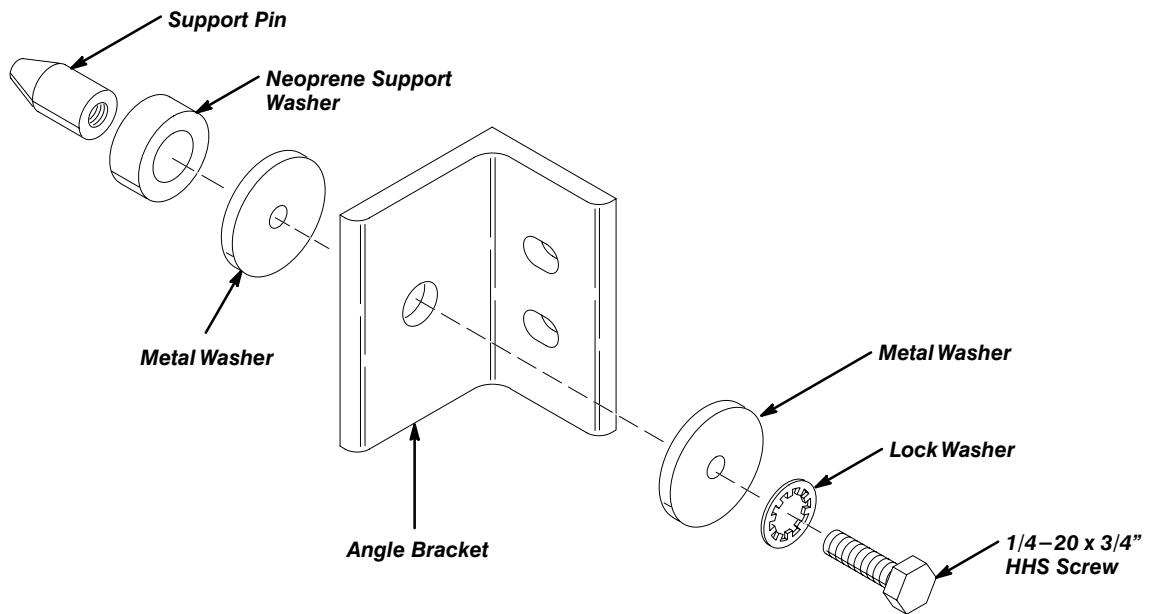


Figure 21: Attaching the Support Pin

- Using an angle bracket assembly for each slide-out track assembly, attach the rear of the slide-out tracks to the equipment rack. See Figure 22.

Loosely secure the assemblies to the equipment rack. Do not tighten the screws at this time.

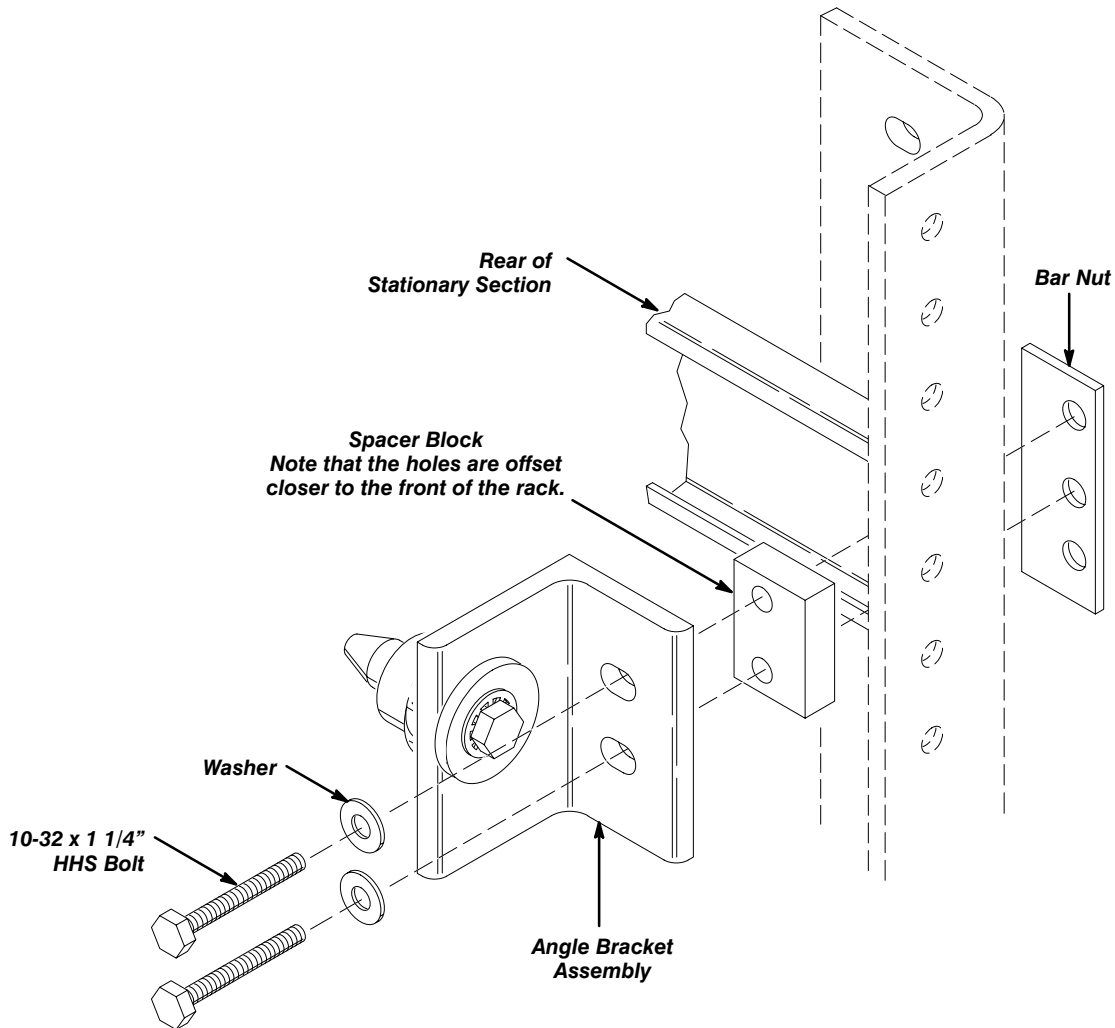


Figure 22: Attach the Angle Brackets to the Slide-Out Tracks

4. Install a support block on each rear corner of the rack adapter chassis. See Figure 23.

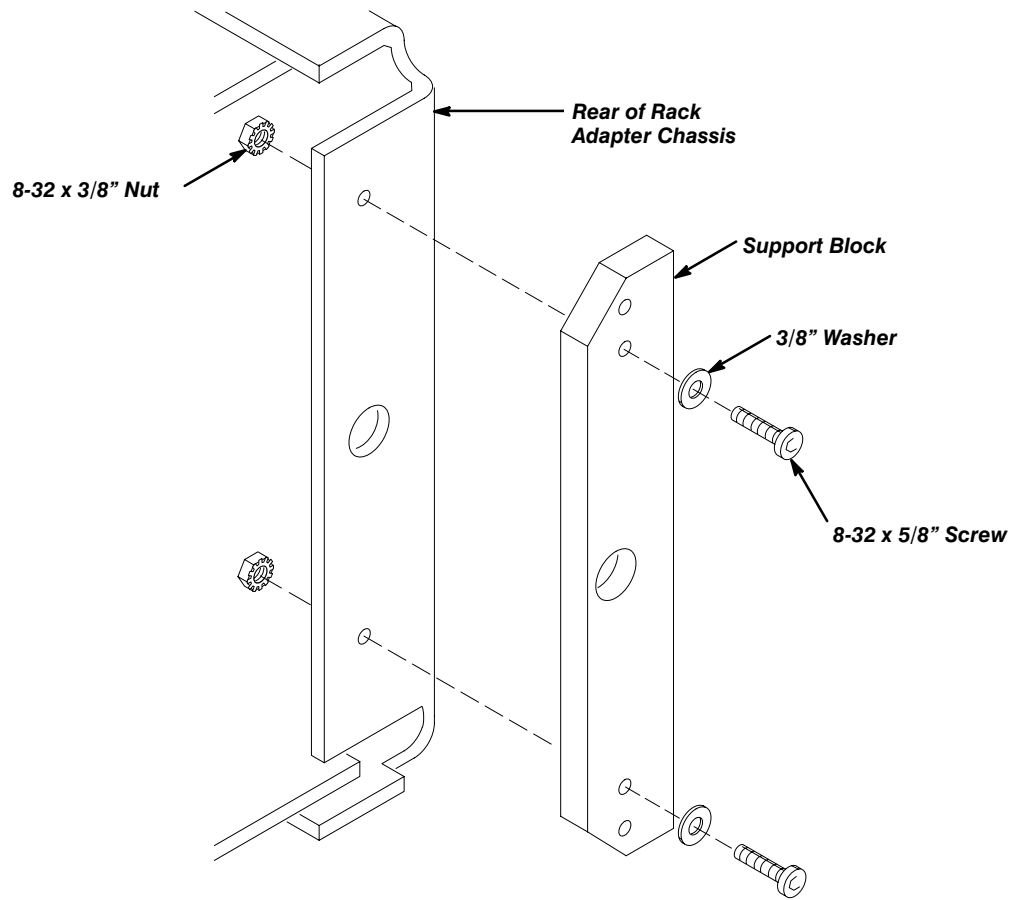


Figure 23: Attach the Support Blocks

5. Insert the slide-out tracks attached to the rack adapter chassis into the stationary tracks mounted in the rack cabinet and slide the instrument fully into the equipment rack cabinet.
6. Adjust the position of the angle brackets.
 - a. Push the instrument all the way into the rack.
 - b. Adjust the angle brackets until the neoprene washers on the support pins are firmly seated against the support blocks. See Figure 24.

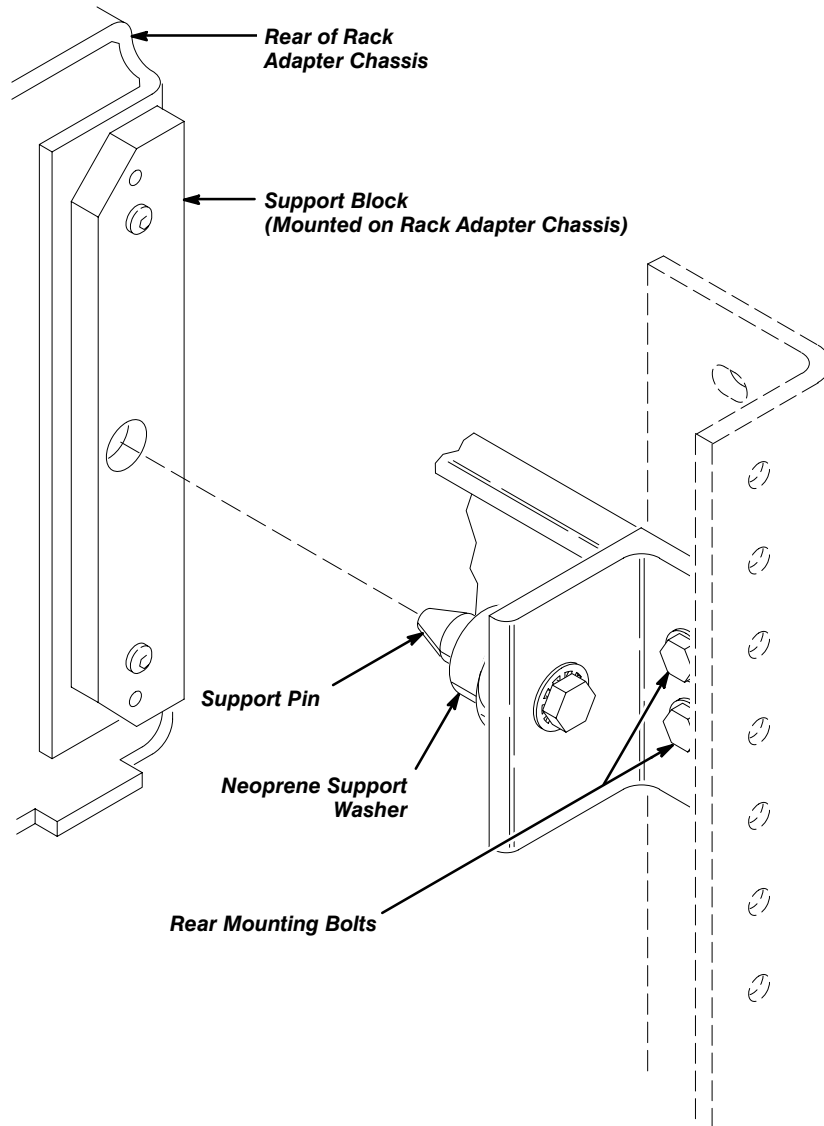


Figure 24: Mating the Support Pin with the Adapted Instrument

- c. Tighten the rear mounting bolts; then, pull the instrument partially out of the rack.
- d. Remove the neoprene washers from the support pins, install the metal spacers on the support pins; then, re-install the neoprene washers. See Figure 25.

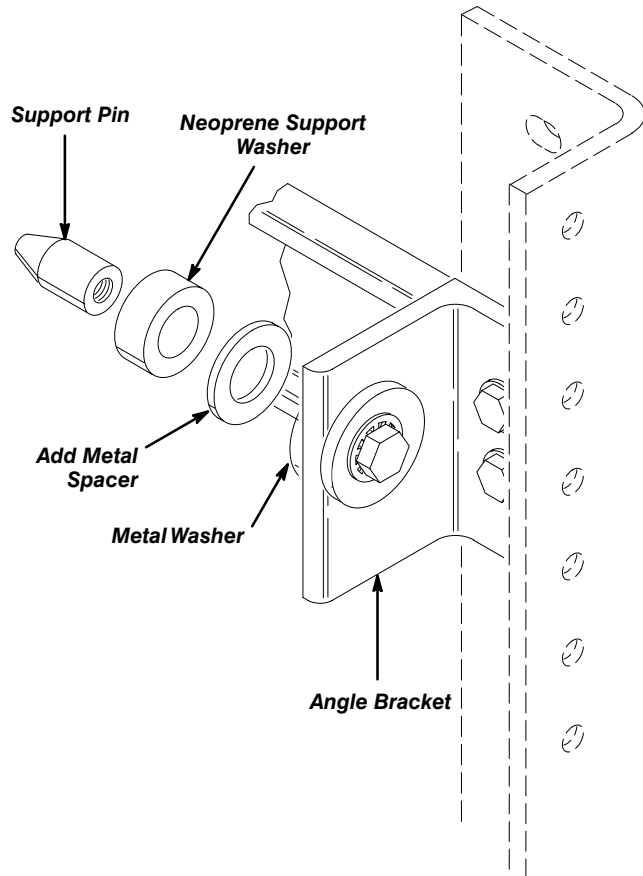


Figure 25: Adding the Spacer to the Rear Support

14- to 26-Inch Cabinet Installation

The following procedure describes how to attach the rear end of the slide-out tracks on equipment racks with front-to-rear rail spacings between 14 and 26 inches.

The extension brackets must be used for this type of equipment cabinet and does not allow the use of the rear support kit.

If the equipment rack has a front-to-rear rail spacing of 19 inches, perform the procedures titled *19-Inch Standard Cabinet Installation* beginning on 26.



Although the following method provides satisfactory mounting under normal conditions, it does not provide solid support at the rear of the instrument. Should the instrument be subjected to severe shock or vibration when mounted in the following manner it may be damaged.

1. Measure the distance between the front and rear rails of the equipment rack.
2. Attach the extension brackets to the slide-out tracks. See Figure 26.
 - a. Align the extension brackets to the right and left slide-out tracks as shown in Figure 26 so that the flange-to-flange distance matches the front-to-rear rail spacing measured in Step 1.

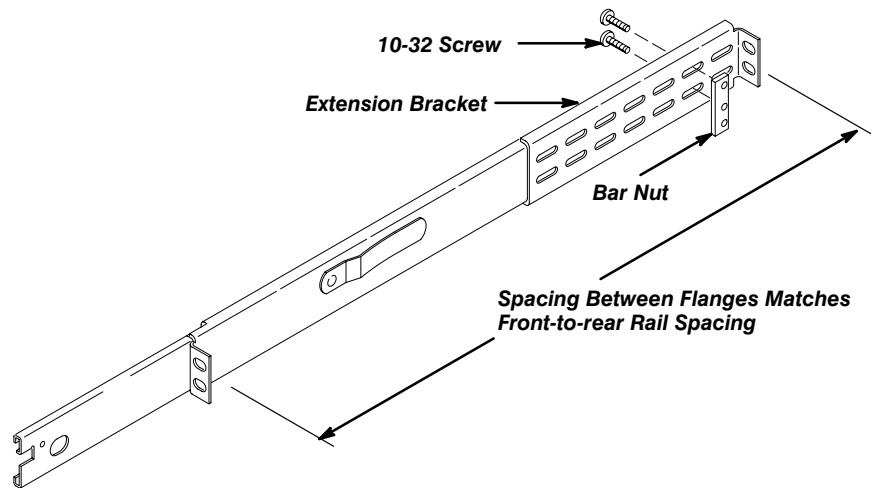


Figure 26: Attaching Extension Brackets

- b. Loosely secure the extension brackets to the slide-out tracks using two screws (10-32) and a bar nut for each assembly as shown in Figure 26.
3. Attach the rear of the slide-out track assembly either in front of or behind the rear rail of the equipment rack. Use the same method described for attaching the front-end flanges beginning on page 22, steps 1 through 3.
4. Secure the screws attaching the the extension brackets to the slide-out track assembly.
5. Insert the slide-out tracks attached to the rack adapter chassis into the stationary tracks mounted in the rack cabinet. Slide the rack-adapted instrument fully into the rack cabinet.

Track Alignment

1. Pull the instrument out of the rack until approximately half of the instrument is extended past the front rails of the equipment rack. See Figure 27.

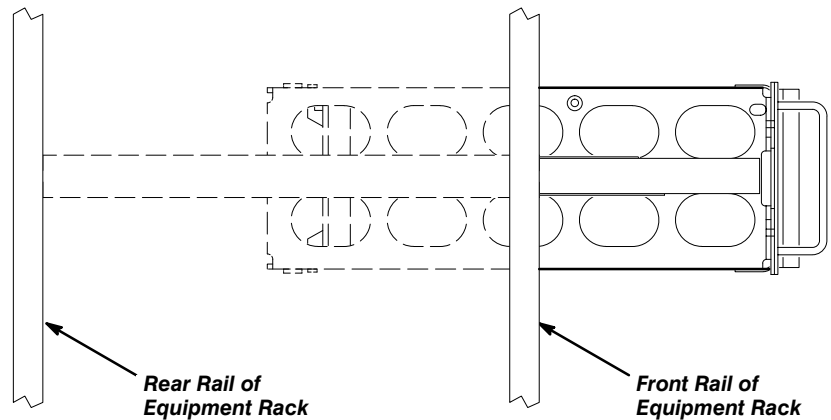


Figure 27: Track Alignment

2. Loosen the front mounting screws of both stationary track sections (the two screws attached to each front rail of the cabinet) and allow the tracks to seek their normal positions.
3. Retighten the screws and push the instrument all the way into the rack.

NOTE

If the tracks do not slide smoothly, recheck track alignment as set in steps 1 through 3.

Final Installation

1. Attach the power cord to the rear of the instrument, inserting the retaining clip into the hole provided in the rear panel. See Figure 3 on page 5.
2. If you are making a front panel BNC input connector accessible to other equipment at the rear of the equipment rack (see the *Front Panel Cabling* section on page 20), connect the cable to the desired connector.
3. With the instrument pushed all the way into the rack cabinet, install and tighten the mounting screws at the four corners of the rack adapter front panel (see Figure 28). Use the following parts:
 - four finish screws (three different sizes are provided in this kit to accommodate most equipment racks)
 - four countersunk finish washers
 - four plastic washers

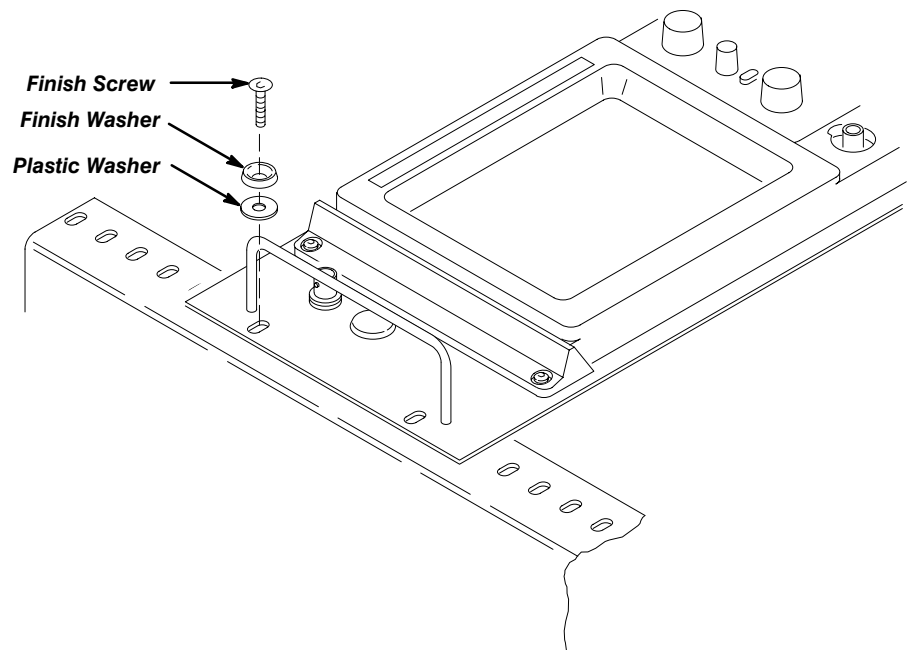


Figure 28: Secure the Rack Adapter to the Equipment Rack

Replaceable Parts

This section contains a list of the components that are replaceable for the 016-1166-00 Rackmount Kit. Use this list to identify and order replacement parts.

Parts Ordering Information

Replacement parts are available from or through your local Tektronix, Inc. service center or representative.

Changes to Tektronix instruments are sometimes made to accommodate improved components as they become available and to give you the benefit of the latest circuit improvements. Therefore, when ordering parts, it is important to include the following information in your order:

- Part number
- Instrument type or model number
- Instrument serial number
- Instrument modification number, if applicable

If a part you order has been replaced with a different or improved part, your local Tektronix service center or representative will contact you concerning any change in the part number.

Using the Replaceable Parts List

The tabular information in the Replaceable Parts List is arranged for quick retrieval. Understanding the structure and features of the list will help you find the all the information you need for ordering replacement parts.

Item Names

In the Replaceable Parts List, an Item Name is separated from the description by a colon (:). Because of space limitations, an Item Name may sometimes appear as incomplete. For further Item Name identification, U.S. Federal Cataloging Handbook H6-1 can be used where possible.

Indentation System

This parts list is indented to show the relationship between items. The following example is of the indentation system used in the Description column:

1	2	3	4	5	Name & Description
					<i>Assembly and/or Component</i>
					<i>Attaching parts for Assembly and/or Component</i> <i>(END ATTACHING PARTS)</i>
					<i>Detail Part of Assembly and/or Component</i>
					<i>Attaching parts for Detail Part</i> <i>(END ATTACHING PARTS)</i>
					<i>Parts of Detail Part</i>
					<i>Attaching parts for Parts of Detail Part</i> <i>(END ATTACHING PARTS)</i>

Attaching parts always appear at the same indentation as the item it mounts, while the detail parts are indented to the right. Indented items are part of, and included with, the next higher indentation. Attaching parts must be purchased separately, unless otherwise specified.

Abbreviations

Abbreviations conform to American National Standards Institute (ANSI) standard Y1.1

CROSS INDEX — MFR. CODE NUMBER TO MANUFACTURER

Mfr. Code	Manufacturer	Address	City, State, Zip Code
TK0435	LEWIS SCREW CO	4300 S RACINE AVE	CHICAGO IL 60609-3320
TK1465	BEAVERTON PARTS MFG CO	1800 NW 216TH AVE	HILLSBORO OR 97124-6629
TK1908	PLASTIC MOLDED PRODUCTS	4336 SO ADAMS	TACOMA WA 98409
0JR05	TRIQUEST CORP	3000 LEWIS AND CLARK HWY	VANCOUVER WA 98661-2999
0J260	COMTEK MANUFACTURING OF OREGON (METALS)	PO BOX 4200	BEAVERTON OR 97076-4200
OKB01	STAUFFER SUPPLY	810 SE SHERMAN	PORTLAND OR 97214
06666	GENERAL DEVICES CO INC	1410 S POST RD PO BOX 39100	INDIANAPOLIS IN 46239-9632
07416	NELSON NAME PLATE CO	3191 CASITAS	LOS ANGELES CA 90039-2410
08730	VEMALINE PRODUCTS DIV OF SQUARE HEAD INC	333 STRAWBERRY FIELD RD PO BOX 6979	WARWICK RI 02887-6979
1Y013	ACACIA/DEANCO	3101 SW 153RD DRIVE	BEAVERTON OR 97006
11897	PLASTIGLIDE MFG CORP	2701 W EL SEGUNDO BLVD	HAWTHORNE CA 90250-3318
12327	FREEWAY CORP	9301 ALLEN DR	CLEVELAND OH 44125-4632
63743	WARD LEONARD ELECTRIC CO INC	31 SOUTH ST	MOUNT VERNON NY 10550-1714
74868	AMPHENOL CORP R F CONNECTORS (OPNS)	1 KENNEDY AVE	DANBURY CT 06810-5803
80009	TEKTRONIX INC	14150 SW KARL BRAUN DR PO BOX 500	BEAVERTON OR 97077-0001

Fig. & Index No.	Tektronix Part No.	Serial/Assembly No. Effective Dscont	Qty.	Name & Description	Mfr. Code	Mfr. Part No.
29-1	426-2193-01		2	FRAME,SECT,CAB.:LEFT & RIGHT RACK MOUNT	80009	426219301
-2	211-0721-00		2	SCREW,MACHINE:6-32 X 0.375,PNH,STL	0KB01	ORDER BY DESC
-3	210-0808-00		2	WASHER,RECESSED:0.173 ID X 0.156 THK,BRS ZNPL,0.562 OD	63743	25151.13-3
-4	210-0457-00		2	NUT,PL,ASSEM WA:6-32 X 0.312,STL CD PL	TK0435	ORDER BY DESC
-5	210-0007-00		4	WASHER,LOCK:#8 EXT,0.02 THK,STL	0KB01	ORDER BY DESC
-6	212-0158-00		4	SCREW,MACHINE:8-32 X 0.375,PNH,STL	0KB01	ORDER BY DESC
-7	212-0157-00		4	SCREW,MACHINE:8-32 X 0.5,FLH,100 DEG,STL CDPL,TORX	0KB01	ORDER BY DESC
-8	210-1143-00		4	WASHER,FNSH:U/W #8 FLATHEAD SCR,NYLON	0KB01	ORDER BY DESC
-9	386-5362-00		1	SUPPORT,CABINET:REAR	0J260	ORDER BY DESC
-10	211-0553-00		4	SCREW,MACHINE:6-32 X 1.5,PNH,STL (AFG2020, TDS300, TDS400, AND TAS400)	TK0435	ORDER BY DESC
	211-0429-00		4	SCREW,MACHINE:M3x0.5x40mm,STL (TAS200 ONLY)	TK0435	ORDER BY DESC
-11	255-0334-00		2	PLASTIC CHANNEL:12.75 X 0.175 X 0.155,NYLON	11897	122-NN-2500-060
-12	212-0158-00		2	SCREW,MACHINE:8-32 X 0.375,PNH,STL	0KB01	ORDER BY DESC
-13	351-0104-00		1	SL SECT,DWR EXT:12.625 X 2.25 (UNIT OF MEASURE IS PAIR)	06666	C-720-2
-14	212-0671-00		4	SCREW,MACHINE:10-32 X 0.625,FLH,100 DEG,STL,CD PL,TORX	0KB01	ORDER BY DESC
-15	351-0241-00		1	SLIDE,DWR,EXT:20.0 X 1.69 (UNIT OF MEASURE IS PAIR) (STANDARD ACCESSORY)	06666	C-1248
-16	426-2185-00		1	FRAME PNL,CAB	0J260	ORDER BY DESC
-17	333-3466-00		1	PANEL,FRONT	0J260	ORDER BY DESC
-18	367-0359-00		2	HANDLE,CARRYING:5.0 L,BRASS,CRM PL	08730	VPC=934
-19	212-0159-00		8	SCREW,MACHINE:8-32 X 0.375,FLH,100 DEG,STL	0KB01	ORDER BY DESC
-20	210-0586-00		4	NUT,PL,ASSEM WA:4-40 X 0.25,STL CD PL	TK0435	ORDER BY DESC
-21	134-0144-01		6	BUTTON,PLUG:0.875 OD X 0.08,SMOKE TAN PLASTIC	0JR05	ORDER BY DESC
-22	386-5564-00		2	SUPPORT,FRONT:POLYCARBONATE	TK1908	ORDER BY DESC
-23	210-0864-00		4	WASHER,FLAT:0.188 ID X 0.375 OD X 0.05,STL	12327	ORDER BY DESC
-24	212-0008-00		4	SCREW,MACHINE:8-32 X 0.5,PNH,STL	TK0435	ORDER BY DESC
				STANDARD ACCESSORIES		
	070-8521-XX		1	MANUAL, TECH: INSTRUCTIONS, 016-1166-00	80009	0708521XX
	334-4866-01		1	MARKER,IDENT:RACKMOUNT LABELS	07416	ORDER BY DESC
	012-0208-00		4	CABLE,INTCON:10.0 L	1Y013	ORDER BY DESC
	103-0070-00		4	ADAPTER,CONN:BNC FEMALE TO BNC FEMALE	74868	31-3220
	016-0099-00		1	HDW KIT,ELEK EQ:RACKMOUNTING HDW (FRONT)	80009	016009900
	016-0096-00		1	HDW KIT,ELEK EQ:RACKMOUNTING HDW (REAR)	TK1465	ORDER BY DESC

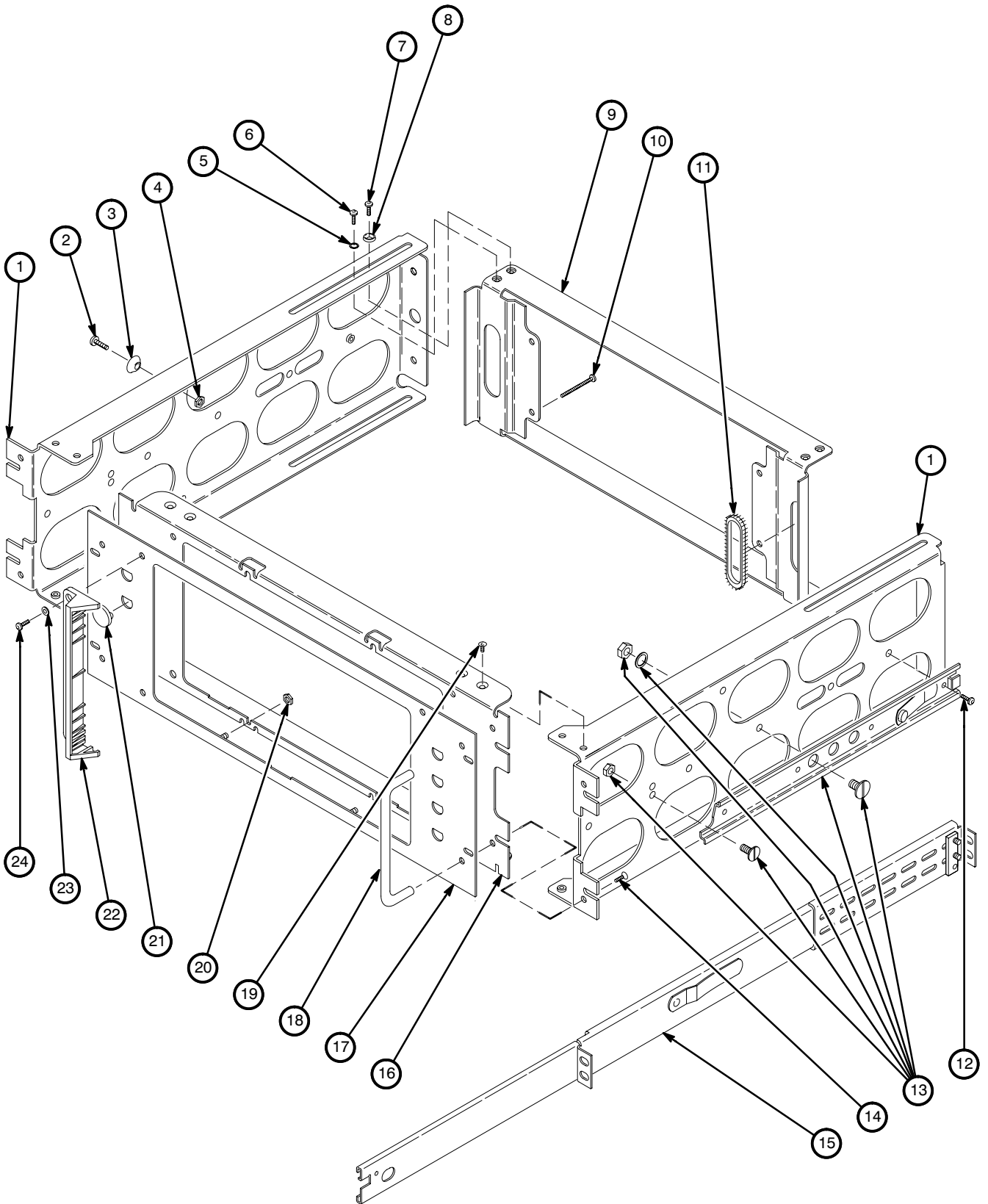


Figure 29: Exploded View of Rack Adapter