

Agilent

**E4470A
E4471A**

Extractor Fan Kit

Installation Guide



Agilent Technologies

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E4470-90001

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General Information

This installation note provides all information required to install and maintain the extractor fan kit. Before installing the extractor fan in your Agilent instrument rack, ensure that it's voltage matches that of the power distribution unit (PDU) that is already installed in your rack.

The extractor fan kit is available in two models to meet worldwide power requirements.

Part Number	Description	Applicable Agilent Rack Model
E4470A	120V, 1.0A Extractor Fan	All
E4471A	240V, 1.0A Extractor Fan	All

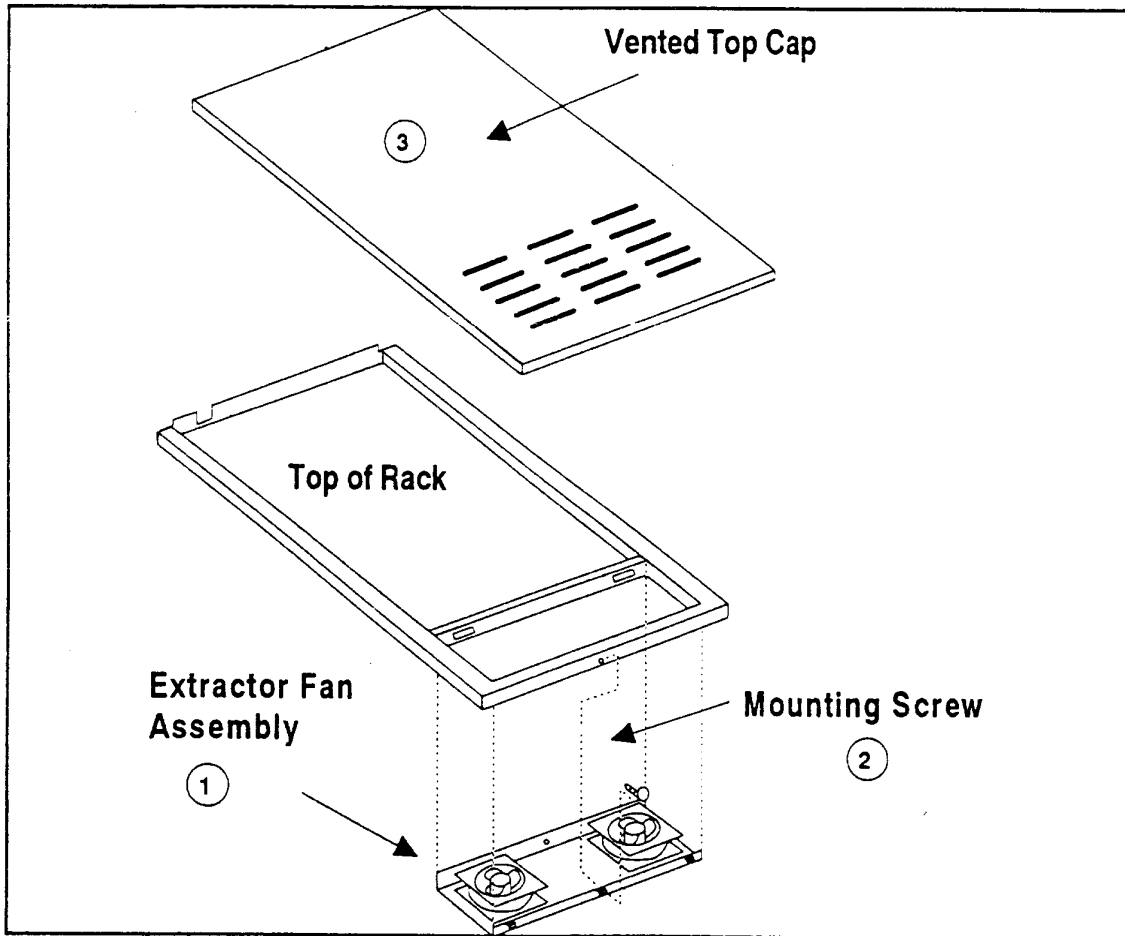


Figure 1. Extractor Fan Kit

Contents

The Extractor Fan Kit contains the following items.

Item	Quantity	Description	Part Number
1	1	Extractor Fan Assembly—100-120 VAC Extractor Fan Assembly—200-240 VAC	C2786-60024 C2786-60005
2	2	TubeAxial Fan, Extractor—100-120 VAC TubeAxial Fan, Extractor—200-240 VAC	3160-0378 3160-0228
3	1	TORX Screw, 10-32 x 0.5"	2680-0278
4	1	TORX Tool	8710-1817
5	1	Installation Note	E4470-90001

Tools Required

To install the Extractor Fan Kit, you will need the following tools:

- T25 TORX screwdriver (P/N 8710-1817).

Installation Procedure

Refer to Figure 1 and the instructions below.

Caution

The fan assembly weighs approximately 6 pounds. Exercise caution when handling the fan assembly, especially when working with it over your head.

Fan Assembly Installation

1. Raise the fan assembly into the rear rack frame opening.
2. Slide the fan assembly forward and into the rack until it is fully seated toward the front of the rack.
3. Insert the mounting screw. Tighten the screw.
4. Connect the fan power cord from the fan assembly to the top receptacle of the PDU.
5. The rear door can now be closed.

Extractor Fan Maintenance

The Tubeaxial fans can be replaced if necessary. See the following figure and follow the instructions.

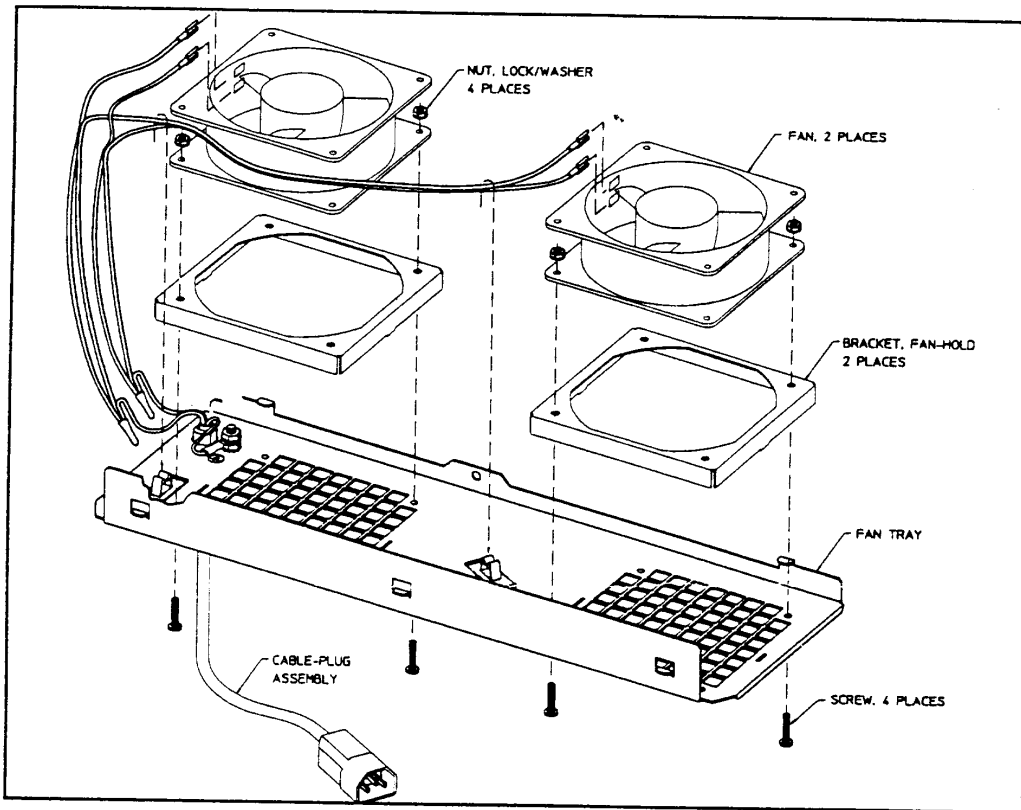


Figure 2. Extractor Fan Assembly

Extractor Fan Removal

1. Open the rear door.
2. Disconnect the fan power cord from the PDU. Allow the fans to stop spinning.
3. Remove the one mounting screw at the top rear rack frame bar.
4. Grasp the fan assembly from the bottom and pull toward the rear of the rack.
5. The fan assembly should release from the rack, and can be lowered out of the rack.

Extractor Fan Replacement

1. Position the fan over the fan bracket/tray mounting holes so that the power lugs are at the rear of the fan tray, and on the right side of the fan (as viewed from the back of the assembly). Also verify that the air flow arrow points up.
2. Insert the mounting screws up through the bottom of the fan tray/bracket and fan.
3. Attach the mounting nuts/washers on the mounting screw. Tighten the screws and nuts.
4. Attach the cable plug assembly connectors to the terminals on the fan (polarity does not matter).
5. Replace the fan assembly (refer to fan assembly installation).

This completes installation of the extractor fan kit.

Place this *Note* with your rack documentation.

Notes: