Installation Note

Agilent Technologies ESG-1000A, -2000A, -3000A, -4000A
Agilent Technologies ESG-D1000A, -D2000A, -D3000A, -D4000A
Large Fan Replacement Kit B2
Kit Number E4400-60062

Agilent Technologies

Part Number E4400-90100
Printed in USA September 2003 Supersedes July 1997

Notice.

The information contained in this document is subject to change without notice.

Agilent Technologies makes no warranty of any kind with regard to this material, including but not limited to, the implied warranties of merchantability and fitness for a particular purpose. Agilent Technologies shall not be liable for errors contained herein or for incidental or consequential damages in connection with the furnishing, performance, or use of this material.

Large Fan Replacement Kit B2
E4400-60062

Product Affected:	ESG Series Signal Generators
Serial Numbers:	ESG-1000A, US3723 & below ESG-2000A, US3723 & below ESG-3000A, US3723 & below ESG-4000A, US3723 & below ESG-D1000A, US3723 & below ESG-D2000A, US3723 & below ESG-D3000A, US3723 & below ESG-D4000A, US3723 & below
To Be Performed By:	(x) Agilent Technologies Service Center (x) Personnel Qualified by Agilent Technologies (x) Customer
Estimated Installation Time:	0.5 Hours

Introduction

This kit contains the parts and instructions to install a rack slide on the ESG and ESG-D Series Signal Generators.

Installation Kit Parts List

Table 1. Large Fan Replacement Kit for B2 E4400-60062 Contents

Table 1

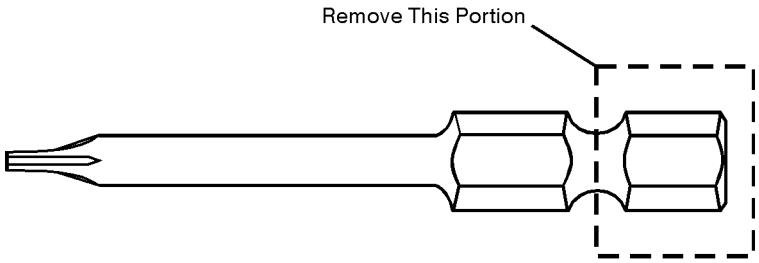
Item	Quantity	Description	Part Number
1	1	Fan TBAX .36A 12 V	3160-1041
2	1	Spacer Foam	4324-0235
3	1	Installation Note	E4400-90100

Tools Required

- ❑ T-20 TORX screwdriver
- ❑ T-15 TORX screwdriver
- ❑ T-8 TORX screwdriver
- ❑ Modified T-10 TORX bit (part number 8710-1637)
- ❑ 5/16-inch open-end wrench

Bit Modification

The hexagonal head at the end of the TORX bit must be removed so that the total length of the bit is approximately 1.5 inches (see figure below). A hexagonal portion of the bit will remain for use with a wrench. The shortened bit will now fit between the fan assembly and the front panel assembly.



sk779a

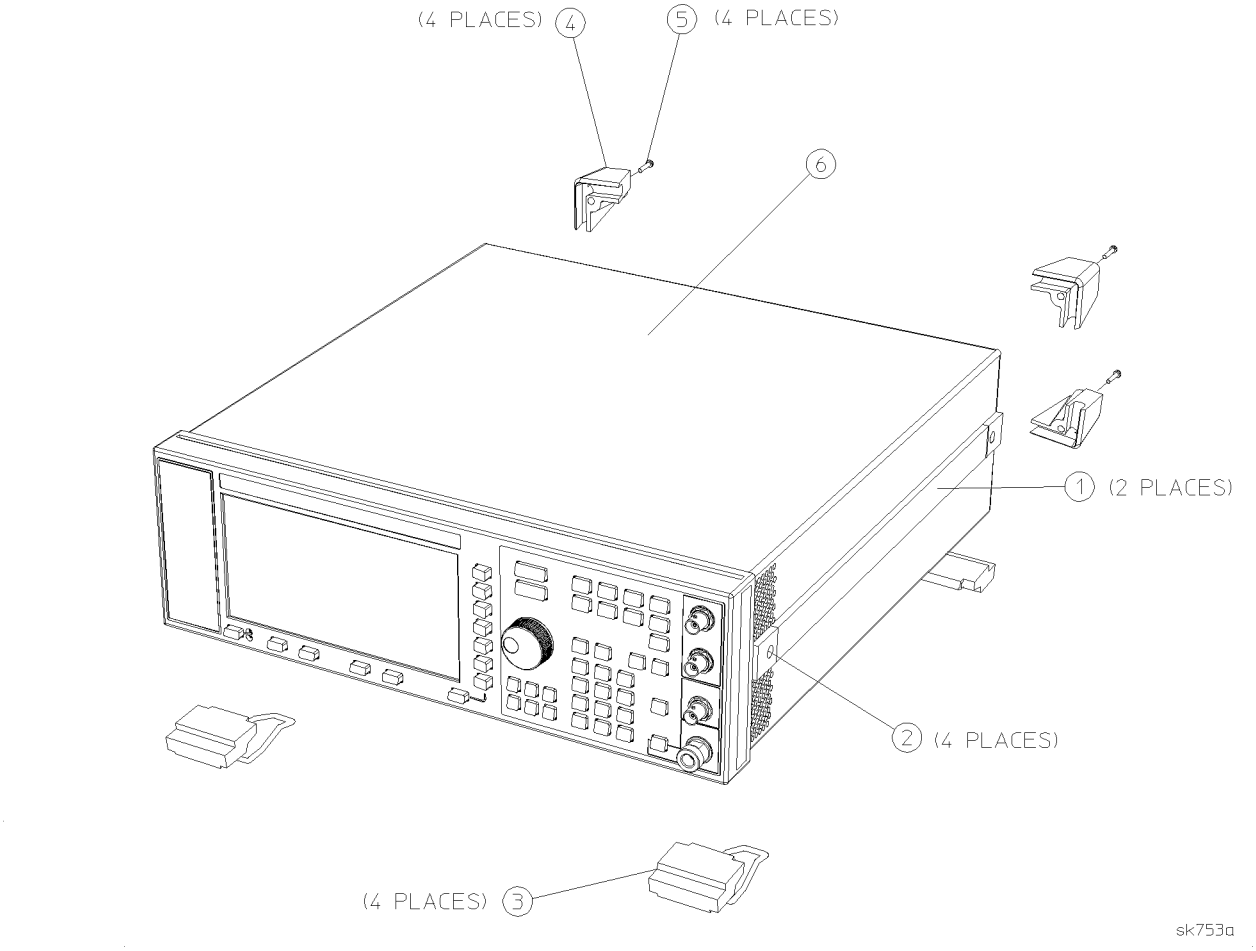
WARNING **Before you disassemble the instrument, turn the power switch OFF and unplug the instrument. Failure to unplug the instrument can result in personal injury.**

CAUTION Electrostatic discharge (ESD) can damage or destroy electronic components. All work on electronic assemblies should be performed at a static-safe workstation. Refer to the documentation that pertains to your instrument for information about static-safe workstations and ordering static-safe accessories.

Remove Instrument Cover

1. Remove the two strap handles (item 1) from each side of the signal generator by loosening the two screws (item 2) on each handle.
2. Remove the four bottom feet (item 3).
3. Remove the four rear feet (item 4) from the signal generator by removing the four screws (item 5) that secure them.
4. Slide the instrument cover (item 6) off the back of the signal generator.
5. Remove the inside top cover by removing the eleven screws that secure it.

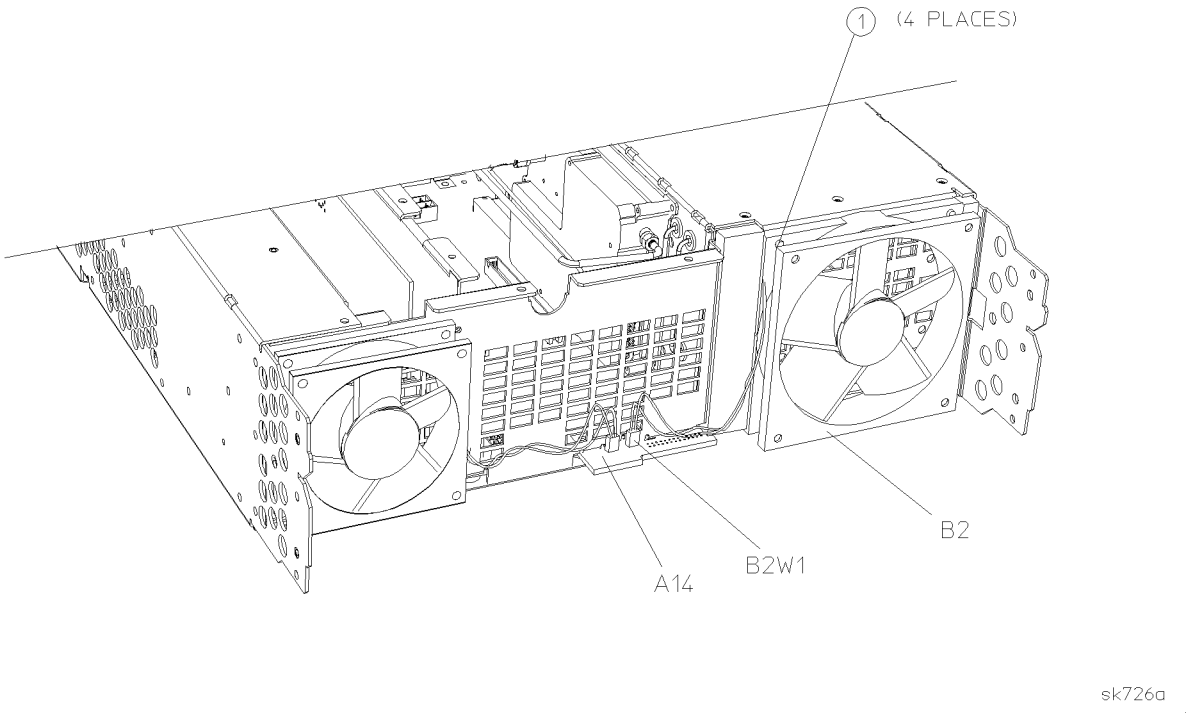
Figure 1 Cover Removal



Remove B2 Large Fan Assembly

1. Disconnect B2W1 from the motherboard (A14).
2. Remove the four screws (item 1) that attach the fan assembly (B2) to the instrument chassis.
3. Remove the fan assembly.

Figure 2 B2 Fan Assembly



Install B2 Large Fan Assembly

1. Install the new fan assembly.
2. Replace the four screws (item 1) that attach the fan assembly (B2) to the instrument chassis. Torque the T-10 TORX screws to 9 in-lbs.
3. Reconnect B2W1 to the motherboard (A14)

Replace Instrument Cover

1. Replace the inside top cover and secure it with the 11 screws which were previously removed. Torque screws to 9 in-lbs.
2. Slide the instrument cover (item 6) on from the back of the signal generator.
3. Replace the four rear feet (item 4) onto the signal generator by using the four screws (item 5) that secure them. Torque the rear feet screws (item 4) to 21 in-lbs.
4. Replace the four bottom feet (item 3).
5. Replace the two strap handles (item 1) onto each side of the signal generator using the two screws (item 2) on each handle. Torque the strap handle screws (item 2) to 21 in-lbs.