

S E R V I C E N O T E

SUPERSEDES: 3589A-02

3589A Spectrum/Network Analyzer

Serial Numbers: 0000A00000 / 9999Z99999

New power switch improves reliability

Parts Required:

Part No.	Qty.	Description
8120-6495	1	switch/cable assembly
35672-61617	1	power cable assembly
0470-0959	1	TAK-PAK adhesive (444)
1400-1122	1	cable clamp - stick-on

Situation:

Many of the old power switches (p/n 3101-2987 and 3101-3251) were found to be unreliable due to irregular contact plating. Defective switches have to be cycled on an off several times to power up the instrument; intermittent power loss may occur.

Solution/Action:

The new power switch has more gold plating on the internal contact surfaces to ensure longevity. This new switch will have soldered cable connections, terminated in a Minifit two circuit connector. This switch/connector assembly will then connect to a new power cable.

Continued

DATE: February 1995

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:			
MODIFICATION RECOMMENDED			
ACTION CATEGORY:	<input type="checkbox"/> IMMEDIATELY <input checked="" type="checkbox"/> ON SPECIFIED FAILURE <input type="checkbox"/> AGREEABLE TIME	STANDARDS:	Labor 0.5 Hour
LOCATION CATEGORY:	<input type="checkbox"/> CUSTOMER INSTALLABLE <input type="checkbox"/> ON-SITE <input checked="" type="checkbox"/> SERVICE CENTER	SERVICE INVENTORY:	<input type="checkbox"/> RETURN <input checked="" type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	USED PARTS:	<input type="checkbox"/> RETURN <input checked="" type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
AUTHOR: DAA	ENTITY: A100	AGILENT RESPONSIBLE UNTIL: February 1997	
		ADDITIONAL INFORMATION:	



When an old-style switch fails, perform the following steps

WARNING

The following procedure requires the instrument's top cover be removed. Energy available at many point can, if contacted, result in serious personal injury.

CAUTION

The following steps must be performed at a static protected site to prevent static discharge damage during the handling of the PC assembly.

Section A: Unit disassembly

Refer to the Replacing Assemblies section of the 3589A Service Manual for disassembly instructions. The following assemblies will have to be removed to gain access to the power cable assembly:

- Top cover
- rear panel covering power supply
- power supply assembly
- memory PC assembly
- front panel
- crt assembly

Section B: Power Switch Installation

Remove the defective switch and the old style power cable. The old style cable has two Faston (slide on) connectors on the switch end. Install the new switch assembly and the new power cable. If the cable clamp loosens, replace with a new clamp.

Section C: Unit reassembly

Refer to the Replacing Assemblies section of the 3589A Service Manual for assembly instructions.

CAUTION

When disassembling the 3589A, the grommet (that covers the hold edges through which the power cable passes) may become dislodged, thus exposing the sharp edges of the hole which may damage the power cable. Apply several very small drops of TAK-PAK adhesive (p/n 0470-0959) to hold the grommet in place.