

35660A-05A

S E R V I C E N O T E

SUPERSEDES: 35660A-05

HP 35660A Dynamic Signal Analyzer

Serial Numbers: 0000A00000 / 9999Z99999

New power switch improves reliability.

Parts Required:

HP P/N	Description	Qty
8120-6495	switch/cable assembly	1
35672-61617	power cable assembly	1
0470-0959	TAK-PAK adhesive (444)	1
1400-1122	cable clamp - stick-on	1

Situation:

Many of the old power switches (p/n 3101-2987 and 3101-3251) were found to be unreliable due to irregular internal contact plating. Defective switches have to be cycled on and 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:	☐ IMMEDIATELY ☒ ON SPECIFIED FAILURE ☐ AGREEABLE TIME	STANDARDS: LABOR 0.5 Hours	
LOCATION CATEGORY:	☐ CUSTOMER INSTALLABLE ☐ ON-SITE ☒ HP LOCATION	SERVICE INVENTORY: ☐ RETURN ☒ SCRAP ☐ SEE TEXT	USED PARTS: ☐ RETURN ☒ SCRAP ☐ SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE		HP RESPONSIBLE UNTIL: February 1997
AUTHOR: DAA	ENTITY: A100	ADDITIONAL INFORMATION:	

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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 points 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 Disassembly/Assembly section of the HP 35660A 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
- A85 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 Disassembly/Assembly section of the HP 35660A Service Manual for assembly instructions.

CAUTION

When disassembling the 35660A, the grommet (that covers the hole 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.