

MODIFICATION RECOMMENDED –
CORRECTS MANUFACTURING OR DESIGN DEFECTS

86142A-9A

S E R V I C E N O T E

Supersedes:
86140-9

86140/1/2A/B Optical Spectrum Analyzers

Serial Numbers: [0000A00000 / 9999Z99999]

Power switch replacement

To Be Performed By: Agilent-Qualified Personnel

Parts Required:

P/N	Description	Qty.
86140-60119	Retrofit switch kit	1

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:			
MODIFICATION RECOMMENDED			
ACTION CATEGORY:	☐ IMMEDIATELY ☒ ON SPECIFIED FAILURE ☐ AGREEABLE TIME	STANDARDS: LABOR: 2.0 Hours	
LOCATION CATEGORY:	☐ CUSTOMER INSTALLABLE ☐ ON-SITE ☒ SERVICE CENTER	SERVICE INVENTORY: ☐ RETURN ☐ SCRAP ☐ SEE TEXT	USED PARTS: ☐ RETURN ☒ SCRAP ☐ SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE		
AGILENT RESPONSIBLE UNTIL: July 2003			
AUTHOR: LLB PRODUCT LINE: 8F			
ADDITIONAL INFORMATION:			

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Situation:

The retrofit kit is intended for use only with the benchtop / rack mount versions of the OSA, 86140/1/2A/B. The 86143/5 A/P portable OSAs have not exhibited enough failures to warrant replacing the switch.

The power switches installed on the benchtop OSAs shipped prior to September 01 have shown a high failure rate, approaching 10% of the OSAs produced. A new switch and the sheet metal required to mount it have been placed into production. We are now installing the new switch into OSAs being manufactured and into replacement front panels.

You can easily tell which switch is installed by pressing the switch. The old switch is much less robust.

Solution/Action:

Any OSA that must have the outer cover removed for repair should have the power switch replaced under warranty. If there is no complaint of switch failure and the OSA does not require any repair work, leave the old switch in place. This repair, kit and labor charges, will always be charged as a warranty repair.

A retrofit kit, 86140-60116, is required to replace the power switch. This kit consists of a new switch, a new inverter mounting bracket and a new left filler bracket. The switch is supplied with the keycap and extension bracket in place, exactly like the old switch configuration. The new switch body is green in color as opposed to black in the original switch. The switch body is larger and more robust. The panels are modified to mount the larger switch correctly and provide some additional clearance from the chassis.

86140-60116 Retrofit switch kit contents:

86140-00038	Inverter Bracket
86140-60028	Switch
86140-00010	Left Bracket
0515-0658	Screws (2)