

S E R V I C E N O T E

SUPERSEDES: 89430A-01

89431A RF Section**Serial Numbers:** 0000A00000 / 3415A00346**New power switch improves reliability****To Be Performed By:** Agilent-Qualified Personnel**Duplicate Service Notes:** 89430A-04, 89431A-02**Parts Required:**

Part No.	Description
8120-6495	switch assembly
8120-6494	cable assembly

Situation:

Many of the front-panel power switches (p/n 3101-3251) have irregular internal contact plating. The irregular plating makes the switch unreliable. The defective switches may need to be cycled on and off several times to power up the instrument or may cause intermittent power loss. The old-style switch has been replaced with a switch assembly that consists of a switch, two short cables and a connector. The switch assembly connects to a new power/oven cable.

Continued

DATE: May 1995

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:			
MODIFICATION RECOMMENDED			
ACTION CATEGORY:	☐ IMMEDIATELY ☒ ON SPECIFIED FAILURE ☐ AGREEABLE TIME	STANDARDS: Labor 1.0 Hour	
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		
AUTHOR: CJG		ENTITY: A100	
ADDITIONAL INFORMATION:			

Solution/Action:

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

STEP1. Disassembly the instrument.

See the Replacing Assemblies chapter in the 89431A Service Guide for disassembly instructions.

STEP2. Install new power switch and cable.

Remove the defective switch and the old-style power/oven cable (the old-style cable connected directly to the power switch). Install the new switch assembly and the new power/oven cable.

STEP3. Reassembly the instrument.

See the Replacing Assemblies chapter in the 89431A Service Guide.