

S E R V I C E N O T E

SUPERSEDES: None

5071 Primary Frequency Standard**Serial Numbers:** 3132A00101 / 3249A00700**Nylon Barrel Retrofit to Prevent A11 Damage****To Be Performed By:** Agilent-Service Technicians or Customer**Parts Required:**

Part No.	Qty.	Description
05071-67004	1	Nylon Barrel Kit

Tools Required:

T-10 TORX ~ Driver
 T-15 TORX ~ Driver
 Small mallet or hammer

Continued

DATE: January 1996

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:			
MODIFICATION RECOMMENDED			
ACTION CATEGORY:	<input type="checkbox"/> IMMEDIATELY <input type="checkbox"/> ON SPECIFIED FAILURE <input checked="" type="checkbox"/> AGREEABLE TIME	STANDARDS: Labor 0.5 Hour	
LOCATION CATEGORY:	<input checked="" type="checkbox"/> CUSTOMER INSTALLABLE <input type="checkbox"/> ON-SITE <input type="checkbox"/> SERVICE CENTER	SERVICE INVENTORY: <input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT	USED PARTS: <input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE		AGILENT RESPONSIBLE UNTIL: January 1998
AUTHOR: DC	ENTITY: 0200	ADDITIONAL INFORMATION:	



Situation:

The process for electrically disconnecting the internal batteries is to insert a non-metallic, insulated tool (such as a toothpick) into an opening on the rear panel of the 5071A. This is marked as “BATTERY DISCONNECT”. This allows the user to intentionally depress a momentary-contact switch on the A11 assembly and electrically disconnect the internal batteries from the instrument.

If a metallic tool is used, or any tool is inserted at an angle, it is possible to mechanically damage or even cause an electrical short to the A11 circuit assembly. This is most often found to be a burned CR1 diode, which is located near the switch.

To prevent this from occurring in the future, a kit has been set up to allow retrofitting up to 5 instruments with a special nylon barrel that acts as a guide for the tool.

Identification:

Instruments in the Serial Number range above should be checked for this. The inspection can be done without removing any covers.

- a. Open the rear battery access panel.
- b. Directly above this panel, and under the top cover lip is the “BATTERY DISCONNECT” opening.
- c. If the nylon barrel is already installed, a nylon ring or collar will be visible around the opening.

Procedure:

1. If a nylon barrel needs to be installed, request the kit (P/N 05071-67004) through any local Sales or Service facility. There is no charge for this kit. It contains all necessary instructions on how to insert the nylon barrel.
2. Be sure to connect the 5071A to AC mains for at least 16 hours and test the standby battery capacity. If the internal batteries cannot provide power to the 5071A for at least 45 minutes, refer to Service Note 5071A-05 for assistance in checking the A11 assembly for problems.