

S E R V I C E N O T E

SUPERSEDES: NONE

5071A Primary Frequency Standard**Serial Numbers:** 3132A00101 through 3608A01160**A2 Assemblies Need to be Changed to Prevent Capacitor Failure****To Be Performed By:** Agilent Service Personnel**Parts Required:** P/N 05071-69202 A2 CBT Support Assembly**Tools Required:**

As described in the 5071A Assembly-Level Service Manual, restricted to the operations described below

Documentation Required:

5071A Assembly-Level Service Manual, P/N 05071-90003

Continued

DATE: April 1999

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:			
MODIFICATION RECOMMENDED			
ACTION CATEGORY:	☐ IMMEDIATELY ☐ ON SPECIFIED FAILURE ☒ AGREEABLE TIME	STANDARDS: LABOR 1.0 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: April 2001
AUTHOR: DC	ENTITY: 0200	ADDITIONAL INFORMATION:	

Situation:

Prior to October 1997 some tantalum capacitors used on the A2 assembly had a tendency to overheat on turn-on and could ultimately burn or short out. An alternate Tantalum capacitor was identified that eliminated this problem and was used in new production. Since then we have seen some field failures due to this problem.

We have determined that this problem occurs only when the 5071A is being powered on and not during normal operation. Moreover it does not necessarily occur during early life or later; it is not predictable. However if the 5071A is continuously operating at this time then we recommend that no action is needed until it is taken off-line for service or other maintenance.

Solution/Action:

When any 5071a in the above serial number range is in for repair or calibration, remove the top cover as directed in the Assembly-Level Service Manual

Then locate the A2 CBT Support Assembly and read the date code printed along the top edge of the PCB. This can be viewed without removing the internal RF Cover.

If this date code is "3315" or lower, replace the assembly with a 05071-69202 Exchange A2 assembly.

Be certain to follow all pertinent procedures as described in the 5071A Assembly-Level Service Manual.