

S E R V I C E N O T E

SUPERSEDES: None

**4396A Network/Spectrum Analyzer**

Serial Numbers: 0000A00000 / 3241J00301

**Mod. corrects "PHASE LOCKED LOOP UNLOCKED" at high temperature**

Duplicate Service Notes: None

To Be Performed By: Agilent-Qualified Personnel

**Parts Required:**

Part No.	Qty.	Description
0160-5971	2	CAPACITOR 4.7 pF
0699-1352	1	RESISTOR 21.5 OHM
0699-1362	1	RESISTOR 56.2 OHM
0699-1364	1	RESISTOR 68.1 OHM
9140-1202	1	INDUCTOR 47 nH

\* NOTE: All of these parts are surface mounted device (SMD).

*Continued*

DATE: 28 February 1994

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:			
<b>MODIFICATION RECOMMENDED</b>			
ACTION CATEGORY:	<input type="checkbox"/> IMMEDIATELY <input checked="" type="checkbox"/> ON SPECIFIED FAILURE <input type="checkbox"/> AGREEABLE TIME	STANDARDS:	Labor 1.0 Hour
LOCATION CATEGORY:	<input type="checkbox"/> CUSTOMER INSTALLABLE <input type="checkbox"/> ON-SITE <input checked="" type="checkbox"/> SERVICE CENTER	SERVICE INVENTORY:	<input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input checked="" type="checkbox"/> SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	USED PARTS:	<input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input checked="" type="checkbox"/> SEE TEXT
AUTHOR: YO	ENTITY: 3355	AGILENT RESPONSIBLE UNTIL: 28 February 1996	
		ADDITIONAL INFORMATION: PCO 33-35989, 33-36506, KID93-RD1-307	

**Situation:**

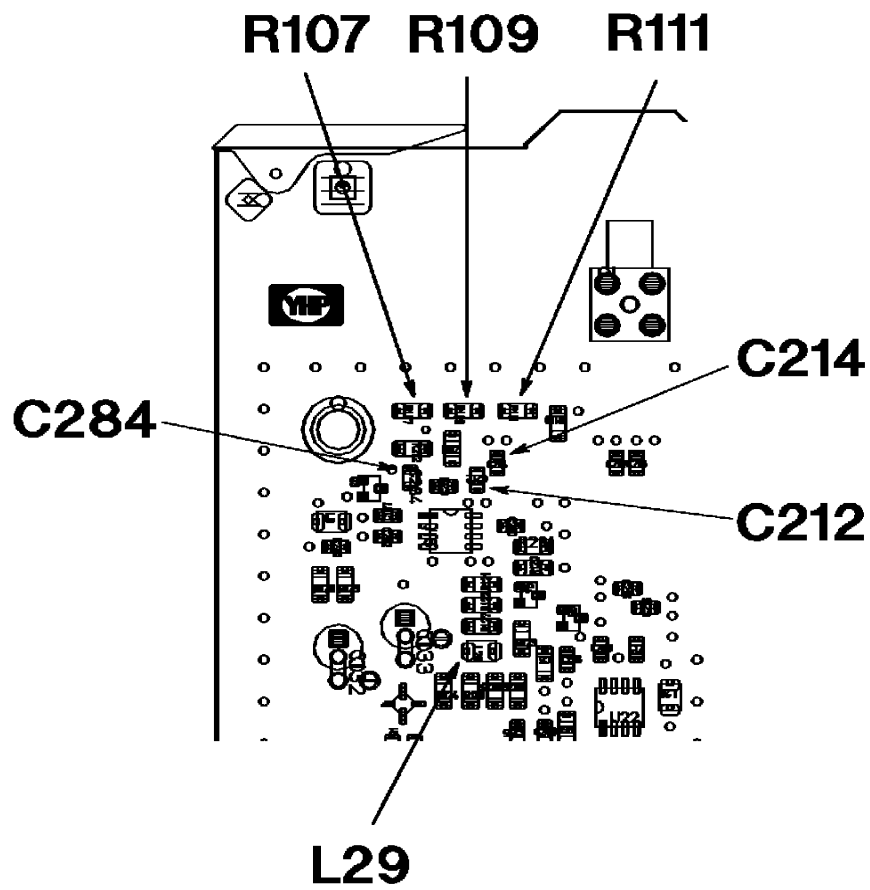
1. "PHASE LOCKED LOOP UNLOCKED" error occurred at high temperature.
2. Internal Test 8: A5 STEP OSC failed.

**Solution/Action:**

Replace or delete the following parts on the A5.

<b>Ref. Desg.</b>	<b>Action</b>
C212	Replace with 0160-5971
C214	delete
C284	replace with 0160-5971
R107	replace with 0699-1364
R109	replace with 0699-1352
R111	replace with 0699-1362
L29	replace with 9140-1202

Fig. 1 identifies the location for these parts.



**Fig.1 Parts Locations**