

S E R V I C E N O T E

SUPERSEDES: NONE

8663A Synthesized Signal Generator

Serial Numbers: 3909A02711 / 3909A02789

Procedure to resolve A7A3C10 polarity misprinted.**Duplicate Service Notes:**

8662A-21 Serial Numbers: 3909A04711 / 3909A04746

To Be Performed By: Agilent-Qualified Personnel or Customer**Parts Required:**

P/N	Description	Quantity
08662-69016	Repair kit C-10	1

The 08662-69016 contains:

- one "+" sticker
- one "Rev B 4038" sticker
- one 270uF 25V capacitor (0180-2749)

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DATE: September 2000

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:			
MODIFICATION RECOMMENDED			
ACTION CATEGORY:	<input checked="" type="checkbox"/> IMMEDIATELY <input type="checkbox"/> ON SPECIFIED FAILURE <input type="checkbox"/> AGREEABLE TIME	STANDARDS:	LABOR .05 Hours
LOCATION CATEGORY:	<input checked="" 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
		USED PARTS:	<input type="checkbox"/> RETURN <input checked="" type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	AGILENT RESPONSIBLE UNTIL: April 2003	
AUTHOR: SN	ENTITY: 5331	ADDITIONAL INFORMATION:	



Situation:

There is a misprinted A7A3C10 polarity sign on A7A3, part number 08662-60604 which causes C10 to be inserted in the reverse-bias position. The A7A3C10, 270 uf electrolytic capacitor, will fail when the 8662A/63A operates over time.

Solution / Action:

All defective boards have been purged from stock and reworked. The fixed boards will have a new revision, Rev B 4038. The board part number remains the same, part number 08662-60604.

Customers, who own the 8662A/63A with the above serial number will be notified for repair. The repair can be done by Agilent-Qualified personnel or the customer.

Contact Son Nguyen at telnet 1-577-5977 or 707-577-5977 or

E-mail at son_c_nguyen@agilent.com

to get the repair kit C-10, 08662-69016 one per 8662A or 8663A.

Repair procedure:

1. Turn off power of 8662/63A.
2. Pull out AC power cord from 8662/63A
3. Take off topside of Stand-offs and cover with T-15 Torx driver.
4. Locate black power supply cover that is located at lower right side of corner when you face to rear side of the instrument.
5. Unscrew 6 screws with #2 Pozi or Phillip driver, and take the top cover off.
6. Pull out A7A3 (08662-60604) by pulling out orange colored taps.
7. Locate C10 (270uF 25V) that is located on the lower left side of A7A3.
 - * Inspect A7A3C10
 - If C10 did not leak, continue step 8
 - If C10 leaked and damaged the board(s), return unit to Agilent Service Center for board(s) replacement

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8. De-solder the C10, and discard it.
9. Erase "+" sign with black permanent marker that provided in repair kit.
10. Find a "+" sticker from the repair kit, and put it on opposite side of the C10.
11. Find a "Rev B 4038" sticker from the repair kit, and put it on below the part number, 08662-60604 locates middle top of the board
11. Insert new C10 with correct polarity as indicated the "+" sign that you just put on.
12. Solder the C10 from back side of the A7A3.
13. Re-insert the A7A3 in the power supply cage.
14. Put the black power supply cover back on.
15. Put the AC power cord back into 8662/63A, and turn power on.
16. Locate -10V test point as indicated on power supply cover, and make sure that voltage at the test point is -10V by using a Multimeter or DVM.
17. Turn power off and pull the AC power cord back out.
18. Put all the cover and feet back on.
19. Put the AC power cord back on, and turn the power on again.
20. Make sure no status light blanking.