

## S E R V I C E N O T E

SUPERSEDES: 8662A-17

**8662A Synthesised Sinal Generator**

Serial Numbers: See below

**Synthesised Signal Generator VCO (08662-60485) failures****Duplicate Service Notes:**

8662A-17A Serial Number: 33423A04575 / 3423A04642

8663A-11A Serial Number: 3423A02505 / 3423A02594

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

P/N	Description	Quantity
08662-60485	VC O	1

**Situation:**

The 8662A's with the serial number between 423A04575 and 3423A04642 may have no RF output, because the varactor diode in the VCO got degraded. When this degradation occurs, the varactor diode will finally short. This will cause the VCO to have no RF output.

**Solution / Action:**

Order the replacement VCO kit (08662-60485). Replace the VCO assembly and recalibrate the 8662A Synthesised Signal Generator. All defective VCO's have been purged from inventory.

DATE: August 1998

## ADMINISTRATIVE INFORMATION

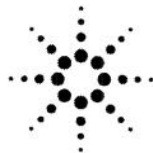
SERVICE NOTE CLASSIFICATION:			
<b>MODIFICATION RECOMMENDED</b>			
ACTION CATEGORY:	<input type="checkbox"/> IMMEDIATELY <input checked="" type="checkbox"/> ON SPECIFIED FAILURE <input type="checkbox"/> AGREEABLE TIME	STANDARDS:	LABOR 0.5 Hours
LOCATION CATEGORY:	<input type="checkbox"/> CUSTOMER INSTALLABLE <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 checked="" type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
AUTHOR: SN	ENTITY: MID	AGILENT RESPONSIBLE UNTIL: August 1, 2000	
		ADDITIONAL INFORMATION: None	

# Notice

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## Hewlett-Packard to Agilent Technologies Transition

This documentation supports a product that previously shipped under the Hewlett-Packard company brand name. The brand name has now been changed to Agilent Technologies. The two products are functionally identical, only our name has changed. The document still includes references to Hewlett-Packard products, some of which have been transitioned to Agilent Technologies.



**Agilent Technologies**



## Packing List for 08662-60485

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The following items are packed as part of this kit. Please insure that all items have been packed or received.

<b>Product Line</b>	<b>Shipping</b>	<b>Customer</b>	<b>Item</b>	<b>P/N</b>	<b>Qty</b>	<b>Description</b>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1	08662-60401	1	High Frequency VCO
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2	08662-80085	1	A8A2 Reference Sum Loop VCO Control ROM (use only if replacing A8A2)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3	08662-80086	1	A8A1 Output Sum Lop VCO Control ROM (use only if replacing A8A1)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4	08662-80087	1	A8A1 Output Sum Lop VCO Control ROM (use only if replacing A8A1)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5	08662-90078	1	Installation Instructions

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**(initial)**



# INSTALLATION INSTRUCTIONS

Date: 8 August 1988

## HP MODEL 8662A, 8663A SIGNAL GENERATOR HIGH FREQUENCY VCO RETROFIT KIT (HP Part 08662-60485)

### INTRODUCTION

Replacement of the High frequency VCOs in either the HP8662A or the HP8663A requires that VCO control ROMs also be replaced. The control ROMs are custom made for the VCOs. The VCO supplied in this kit will work in either position A8A1 (Output Sum Loop) or A8A2 (Reference Sum loop). Follow the instructions according to the position the VCO is being installed in.

### INSTRUCTIONS: A8A1 Output Sum Loop VCO Only

Use these instructions for replacing A8A1. High Frequency VCOs used in this location are either part number 08662-60001, 08662-60083, or part number 08662-60401. This kit will replace any of these numbers.

1. Remove all external connections and power that may be attached to the instrument.
2. Remove the top and bottom cover from the instrument.
3. Remove the A6A9 VCO Control board from the A6 High Frequency casting.
4. Replace A6A9U2 with item 3 (08662-80086) from the kit. Replace A6A9U3 with item 4 (08662-80087) from the kit. See figure 1 for component locations.
5. Install the A6A9 Control board back into the A6 High Frequency casting.
6. Install item 1 (08662-60401) into position A8A1 in the VCO casting in the rear of the signal generator.
7. The installation is complete. No calibration or adjustment of the signal generator is required.

(cont'd)

**INSTRUCTIONS: A8A2 Reference Sum Loop VCO Only**

Use these instructions for replacing A8A2. High Frequency VCOs used in this location are either part number 08662-60001, 08662-60317, 08662-60083, 08662-60401, or part number 088662-60417. This kit will replace any of these numbers.

1. Remove all external connections and power that may be attached to the instrument.
2. Remove the top and bottom cover from the instrument.
3. Remove the A6A9 VCO Control board from the A6 High Frequency casting.
4. Replace A6A9U1 with item 2 (08662-80085) from the kit.
5. Install the A6A9 Control board back into the A6 High Frequency casting.
6. Install item 1 (08662-60401) into position A8A2 in the VCO casting in the rear of the signal generator.
7. The installation is complete. No calibration or adjustment of the signal generator is required.

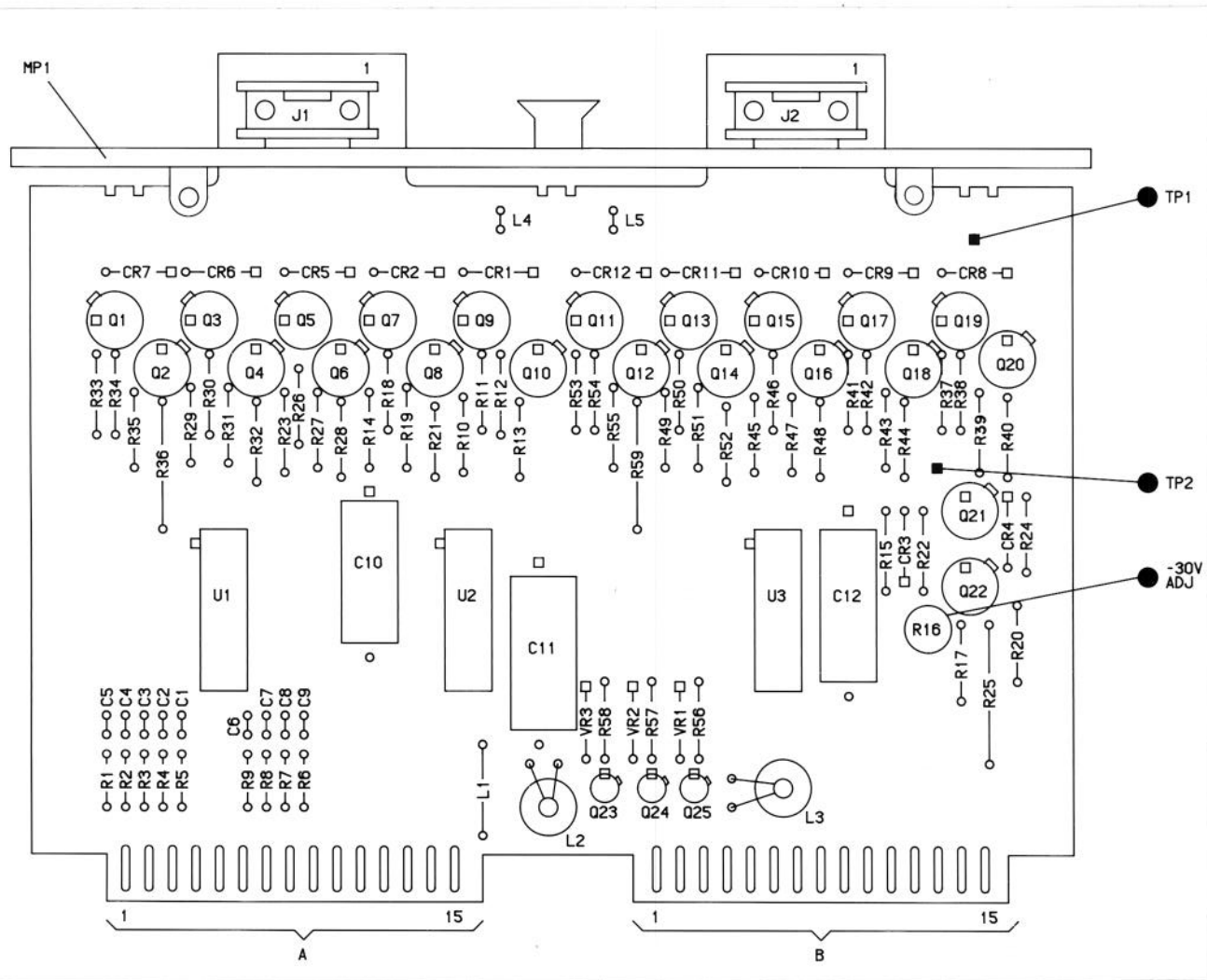


Figure 1  
A6A9 VCO Control Component Locator

**08662-60485 Kit Parts List**

<b>Item</b>	<b>Reference Designation</b>	<b>Qty</b>	<b>HP Part Number</b>	<b>Description</b>
1	A8A1 or A8A2	1	08662-60401	High Frequency VCO (can be used in either position)
2	A6A9U1	1	08662-80085	A8A2 Reference Sum Loop VCO Control ROM (use only if replacing A8A2)
3	A6A9U2	1	08662-80086	A8A1 Output Sum Loop VCO Control ROM (use only if replacing A8A1)
4	A6A9U3	1	08662-80087	A8A1 Output Sum Loop VCO Control ROM (use only if replacing A8A1)





**HIGH FREQUENCY VCO  
RETROFIT KIT  
08662-60485  
Qty 1**

**TO BE OPENED  
BY END USER**

**Item 1**  
08662-60401  
High Freq VCO  
Qty 1

**Item 2**  
08662-80085  
A8A2 Ref Sum Loop VCO ROM  
Qty 1

**Item 3**  
08662-80086  
A8A2 Output Sum Loop  
VCO ROM  
Qty 1

**Item 4**  
08662-80087  
A8A1 Output Sum Loop  
VCO ROM  
Qty 1

**Item 5**  
08662-90078  
Installation Instructions  
Qty 1