

S E R V I C E N O T E

SUPERSEDES: None

8665A Synthesized Signal Generator

Serial Numbers: 0000A00000 / 9999Z99999

Cable Replacement and Identification**Duplicate Service Notes:**

8643A-03
 8644A-03
 8644B-03
 8645A-04
 8664A-04
 8665B-03
 70320A-03
 70322A-03

Parts Required: None**Situation:**

Replacement RF cable assemblies for this instrument no longer include specific point-to-point identification (white shrink-wrapped descriptive labels or color-coded plastic clips). They are generic gray cables which are identified by a 5-digit code (X-XXXX) on the outer sheathing denoting their part number.

Continued

DATE: 04 May 1993

ADMINISTRATIVE INFORMATION

| | | |
|------------------------------|---------|-------------------------|
| SERVICE NOTE CLASSIFICATION: | | |
| INFORMATION ONLY | | |
| AUTHOR: | ENTITY: | ADDITIONAL INFORMATION: |
| LHL | 1000 | |

If it becomes necessary to replace one of the original (10-digit part number) cables, refer to the table below for the correct replacement 8-digit part number and connection points. Corresponding designations may or may not be silkscreened on the modules. This information is also found in the ALR (Assembly Level Repair) manual for this instrument.

Example:

| | |
|---------------------------|----------------------|
| Original Cable | Replacement Cable |
| Ref Desig: W9 | Ref Desig: W9 |
| P/N: 08644-61016 | P/N: 8120-5739 |
| Lables: MOD J2 and VCO J6 | 5-digit code: 0-5739 |
| OR | |
| Clips: 32 and 16 | |

Solution/Action: None**Table: 1**

| Reference Designator | Repl Cable Part Number | Orig Cable Part Number | Orig Cable CLIP Designator | Orig Cable Label Description |
|----------------------|------------------------|------------------------|----------------------------|------------------------------|
| W9 | 8120-5739 | 08644-61016 | 32 to 16 | MOD J2 to VCO J6 |
| W10 | 8120-5731 | 08645-61082 | 33 to 442 | MOD J3 TO FRAC-N J2 |
| W11 | 8120-5824 | 08645-61056 | 34 to 2 | MOD J4 TO FP FM |
| W11A | 8120-5818 | 08644-61033 | 34 to 2 | MOD J4 TO BULK HD MOD J4 |
| W14 | 8120-5816 | 08645-61058 | 37 to 41 | MOD J7 TO NSM OSC J1 |
| W15 | 8120-5826 | 08645-61059 | 38 to 5 | MOD J8 TO FP AUDIO |
| W15A | 8120-5819 | 08644-61034 | 38 to 5 | MOD J8 TO BULK HD MOD J8 |
| W16 | 8120-5740 | 08645-61060 | 39 to 71 | MOD J9 TO ALC J1 |
| W17 | 8120-5825 | 08645-61061 | 310 to 1 | MOD J10 TO FP AM |
| W17A | 8120-5819 | 08644-61035 | 310 to 1 | MOD J10 TO BULK HD MOD J10 |
| W19 | 8120-5739 | 08645-61062 | 44 to 62 | NSM OSC J4 TO REF OSC J2 |
| W20 | 8120-5733 | 08644-61015 | 441 to 13 | FRAC-N J1 TO VCO J3 |
| W22 | 8120-5736 | 08644-61017 | 444 to 18 | FRAC-N J4 TO VCO J8 |
| W23 | 8120-5739 | 08645-61065 | 445 to 64 | FRAC-N J5 TO REF OSC J4 |
| W25 | 8120-5731 | 08645-61068 | 75 to 52 | ALC J5 TO DIVIDER J2 |
| W26 | 8120-5739 | 08644-61014 | 53 to 11 | DIVIDER J3 TO VCO J1 |
| W27 | 8120-5731 | 08645-61066 | 78 to 54 | ALC J8 TO DIVIDER J4 |
| W32 | 8120-5826 | 08645-61071 | 74 to 3 | ALC J4 TO FP PULSE |
| W32A | 8120-5820 | 08644-61036 | 74 to 3 | ALC J4 TO BULK HD ALC J4 |

| | | | | |
|--------|-----------|-------------|------------|----------------------------|
| W35 | 8120-5711 | 08644-61021 | 61 to 01 | REF OSC J1 TO RP 10MHZ OUT |
| W40 | 8120-5705 | 08645-61035 | 335 to 06 | CONTROLLER J4 TO RP VM IN |
| W106 | 8120-5739 | 08645-61142 | 65 to 552 | REF OSC J5 TO TIMEBASE J2 |
| W107 | 8120-5750 | 08645-61146 | 010 to 553 | RP EFC TO TIMEBASE J3 |
| W108 | 8120-5750 | 08645-61144 | 02 to 556 | RP EXT REF TO TIMEBASE J6 |
| W110 | 8120-5730 | 08645-61149 | 0 to 557 | OSC TO TIMEBASE J7 |
| W200 | 8120-5734 | 08645-61097 | 71 to 662 | ALC J1 TO DOUBLER J2 |
| W201 | 8120-5731 | 08645-61080 | 39 to 663 | MOD J9 TO DOUBLER J3 |
| W304 | 8120-5711 | 08644-61078 | 016 to 774 | RP MEAS IN TO COUNTER J4 |
| W311 | 8120-5713 | 08645-61107 | 09 to 34 | RP FM TO MOD J4 |
| W312 | 8120-5712 | 08645-61108 | 04 to 35 | RP OM TO MOD J5 |
| W315 | 8120-5709 | 08645-61109 | 013 to 38 | RP AUDIO TO MOD J8 |
| W317 | 8120-5709 | 08645-61110 | 05 to 310 | RP AM TO MOD J10 |
| W332 | 8120-5708 | 08645-61111 | 08 to 74 | RP PULSE TO ALC J4 |
| W1102 | 8120-5708 | 08644-61077 | 01 to 772 | RP 10MHZ OUT TO COUNTER J2 |
| W1103 | 8120-5734 | 08644-61076 | 61 to 773 | REF OSC J1 TO COUNTER J3 |
| W1104 | 8120-5826 | 08644-61073 | 4 to 774 | FP MEAS IN TO COUNTER J4 |
| W1104A | 8120-5820 | 08644-61079 | 4 to 774 | FP BULK HD TO COUNTER J4 |