

8644A-03

S E R V I C E N O T E

SUPERSEDES: None

HP 8644A Synthesized Signal Generator

Serial Numbers: 0000A00000 / 9999Z99999

Cable Replacement and Identification

Duplicate Service Notes:

8643A-03
8644B-03
8645A-04
8664A-04
8665A-05
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-XXXXX) 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

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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
HP P/N: 08644-61016	HP P/N: 8120-5739
Labels: 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