

S E R V I C E N O T E

SUPERSEDES: None

**HP 8360 Series Synthesized Sweepers**

**Serial Numbers:** 0000A00000 / 9999Z99999

**List of calibration constants**

**This service note applies to the following products and represents the following service notes:**

83621A-01    83631A-01    83651A-01

**Duplicate Service Notes:**

83620A-01	83624A-01	83640B-01
83620B-01	83624B-01	83640L-01
83621A-01	83630A-02	83642A-01
83621B-01	83630B-01	83650A-02
83622A-01	83630L-01	83650B-01
83622B-01	83631A-01	83650L-01
83623A-01	83631B-01	83651A-01
83623B-01	83640A-01	83651B-01
83623L-01		

*Continued*

DATE: October 1996

**ADMINISTRATIVE INFORMATION**

SERVICE NOTE CLASSIFICATION:		
<b>INFORMATION ONLY</b>		
AUTHOR: DM	ENTITY: 5320	ADDITIONAL INFORMATION:



**Situation:**

This service note provides an up-to-date listing of calibration constants for the A/B/L models. The table is current and up-to-date as of July 1996. A hint: to be successful with cal constants, always check the board number first and then determine the correct cal constants to use. Using the descriptions only to determine cal constants may not always work.

**Solution/Action:**

This document should be used to verify cal constants when replacing assemblies in an "A" model. This listing is current for the first B/L models but the appropriate B/L manuals should be used.

**Cal Constant Table:      Revised 7/96**

Assy	Part Number	ID #	REV #	Description
A1		None	#493	Keyboard
	08360-60001		0	
A2		None	#494	Source Mod Int.
	08360-60002		0	
A3		None	#495	Fmt Pnl Proc.
	08360-60003		0	
A4		None	#496	Fractional-N
	08360-60010		0	
A5		None	#497	YO Phase Det.
	08360-60009		0	
	08360-60209		1	

Assy	Part Number	ID#	REV#	Description
A6		None	#498	Sampler
	08360-60007		0	W/VCO Adj
	08360-60007		1	W/O VCO Adj
	08360-60214		1	002 Version
A7		None	#499	Reference
	08360-60008		0	
A8		None	#500	Mod Gen
	08360-60166		0	
A9		#671	#501	Pulse
	08360-60005	0	0	
	08360-60152	0	1	Opt 006 Comp
	08360-60205	0	2	Dual Slope Squegg Clamp
	08360-60188	1	0	Self Bias SRD
	08360-60232	1	0	Self Bias SRD
		2	0	Pul 83630A H35
	08360-60275	3	0	83630A H43
A10		#678	#502	ALC
	08360-60006	0	0	
	08360-60206	1	0	> 3245A 83621/31/40/ 50/51
	08360-60222	0	0	Replaces -60006
	08360-60269	2	0	83630A H43 H35

Assy	Part Number	ID#	REV#	Description
A11		None	#503	FM Driver
	08360-60011			
A12		#672	#504	SYTM Driver & Mult/Fil Driver
	08360-60012	0	0	2 Ball Driver
	08360-60212	1	0	2x1 Ball Driver
A13		None	#505	YO Driver
	08360-60013		1	
	08360-60213		3	
	08360-60207		4	Quick Step (Bidir Drag Lock)
A14		None	#506	Sweep Gen
	08360-60014		0	
A15		None	#507	CPU
	08360-60015		0	4 ROM chip set
	08360-60215		1	2 ROM chip set
	08360-60244		1	H10
	08360-60251		1	H10 replaced -60244
	08360-60264		1	Replaced -60215

Assy	Part Number	ID#	REV#	Description
A16		None	#508	Post Regulator
	08360-60016		0	
A17		None	#509	Rectifier Filter
	08360-60017		0	
A18		None	#510	Switching Reg.
	08360-60018		0	
	08360-60198		0	
	08360-60199		0	H10
A19		None	#511	Rr Pnl Interface
	08360-60019		0	
A20		#670	#512	RF Interface
	08360-60004	0	1	
	08360-60187	0	1	83621/31/51
	08360-60204	0	1	
	08360-60223	0	1	
	08360-60266	0	2	Replaces all versions
A21		None	#513	Alphanumeric Display
	1990-1295		0	
A22		None	#514	Motherboard
	08360-60022		0	
	08360-60196		0	

Assy	Part Number	ID#	REV#	Description
A23		None	#515	Reference Std
	10811E		0	
A24		None	#641	Low Band
	5086-7463		0	
	5086-7573		0	H10's
A25		None	#642	Mod Splitter/ Direct. Cpler
	5086-7465		0	> 3145 83620/ 22/23/24/40
			1	= or > 3145A and all 83630/50's with directional couplers
A26		None	#643	YO
	5086-7505		0	
	5086-7515		0	
A27		None	#644	Isolator
	0955-0475		0	
A28		#673	#645	SYTM
	5086-7503	0	0	83642A W/ 2 Ball
	5086-7545	0	0	> 3103 83621/31
	5086-7585	2	0	> 3317A 83651
	5086-7596	1	0	= or > 3103A 83621/31
	5086-7622	2	1	83630/50 no aux out

Assy	Part Number	ID#	REV#	Description
A28 Cont'ed	5086-7622	2	2	= or > 3145A 83620/22/23/24/ 40
		2	2	83651 = or > 3317A
A29		#674	#646	Amp Det/Filt
	5086-7562	0	0	> 3145A 83620/22/23/24/ 40/42
	5086-7586	1	0	> 3317A 83651
	5086-7616	3	0	= or > 3145A 83620/22/23/24
	5086-7623	1	1	= or > 3145A 83640 & H46 all 83630/50 = or > 3317 83651
	5086-7623	2	1	= or > 3145A 83630/50 w/006
	5086-7536	2	1	83620A H36 = or > 3145A 83640 opt 006
	5086-7637	4	1	83623L
		2	0	Dassault Amp/Filt H73
		0	2	83621/31 no A29 used
	0	0	> 3108 83651	

Assy	Part Number	ID#	REV#	Description
A30		None	#647	Coupler Detector
	0955-0148		0	
	0955-0125		0	
	0955-0472		0	
	0955-0523		0	
A31		None	#648	Attenuator
			0	
A32		#677	#649	Freq Doubler
	5086-7507	0	0	> 3145A 83640
	5086-7607	0	1	= or > 3145A 83640
	5086-7604	1	1	all 83650
	5086-7513	0	1	> 3108 83651
	5086-7513	1	1	= or > 3108 83651
A33		None	#650	Amplifier (High Power)
	5086-7465		0	
A34		None	#651	RP Floating BNC
	08360-60061		0	
A35		None	#652	Isolator
	0955-0475		0	



Assy	Part Number	ID#	REV#	Description
A36		#676	#653	Pulse Mod 006
	5086-7565	0	0	> 3145A
	5086-7582	0	1	H06
	5086-7588	0	1	H07
		0	0	83620/22/23/24
		0	1	83630/40/50
A37	none			
A38		#675	#655	Dual Mod
		0	0	83630 H35
	5086-7602	1	0	83630/50
	5086-7634	2	0	AM Mod 006
A42		#676	#653	Pul Mod Sw Flt
	5086-7628	0	1	83620/22 006
	5086-7629	0	1	83623/24 006
	5086-7630	1	1	83630 006
	5086-7631	1	1	83640/50 006

**Calibration Constant 464**

The hardware configuration calibration constant #464 is also confusing. The starting value is 1. If the instrument has option 006 then the value is 2. Calibration constant 464 for option 006 is NOT 3 (1+2=3).