

ALIGNMENT CHART

Generator Input: In every case, use the minimum generator input that will obtain a satisfactory output indication.

Alignment Tools: IF transformers require a plastic 0.102 in. hexagonal tool such as GC No. 8606.

NOTE: FUNCTION SWITCH SHOULD BE SET TO STEREO NORM POSITION FOR ENTIRE ALIGNMENT PROCEDURE.

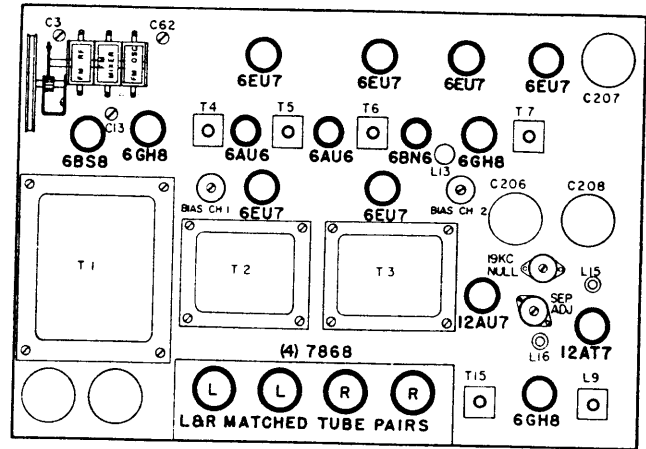


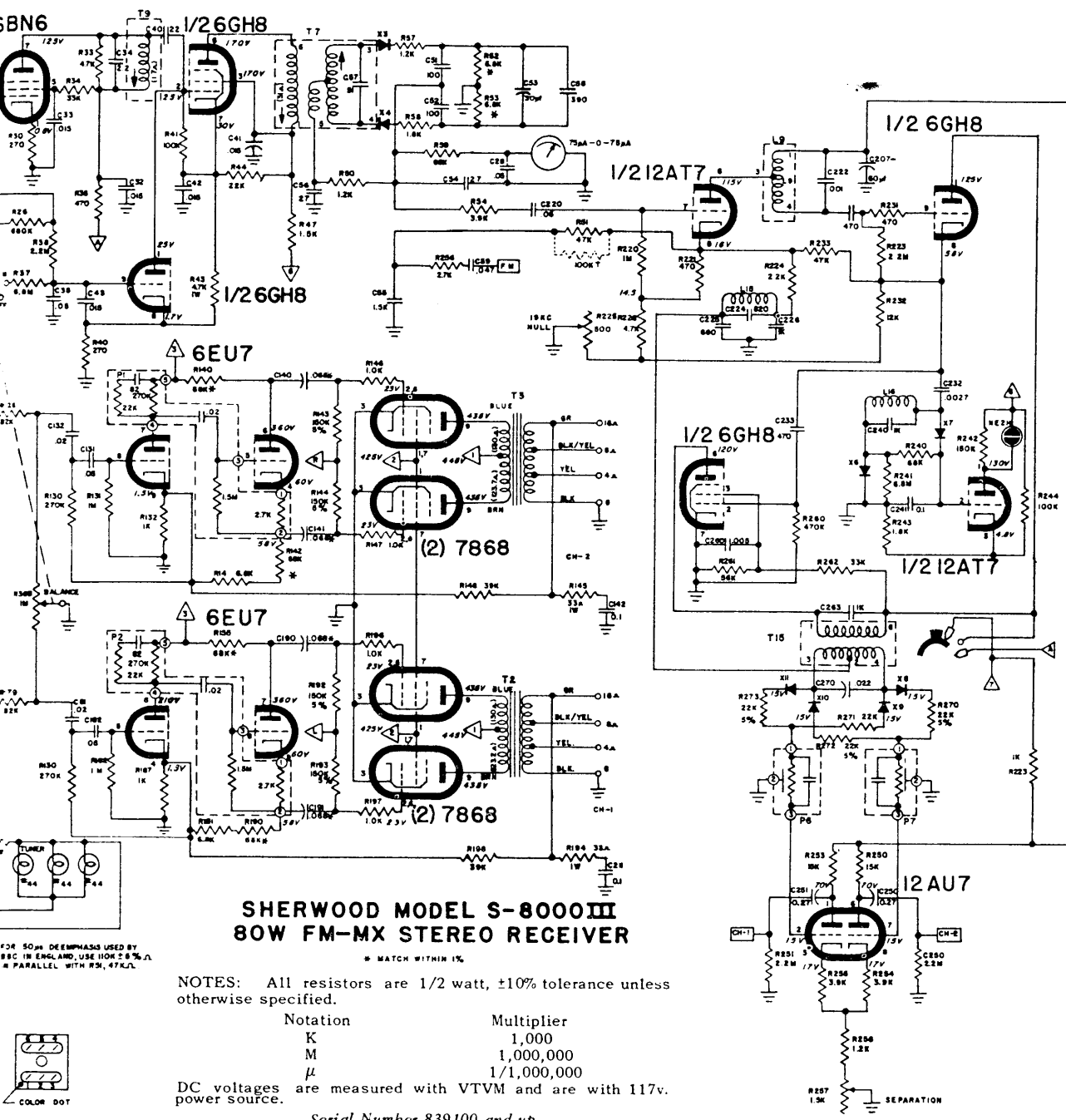
FIG. 10. CHASSIS TOP VIEW

ALIGNMENT CHART

	Switch Setting	Signal Generator Input			Dial Setting	Indicating Instrument	Adjust	Indication
		Coupling	Frequency	Modulation				
FM ALIGNMENT	1 FM/AM Hush Out.	6GH8 tube shield insul. from chassis	10.7 mc	none	Point of no interference	Neg. DC VTVM on AGC from junction C31.R26 to ground	T4, T5, T6 top & bottom	Maximum deflection
	2 "	"	"	"	"	Neg. DC VTVM through 100K ohms across R41	L13	"
	3 "	"	"	"	"	Zero-center scale DC VTVM across C56	T7 bottom	Zero volts (between pos. & neg. reading)
	4 "	300-ohm balanced input to FM Ant.	90 mc	400 cps ±25kc FM	90 mc	AC voltmeter or CRO at audio output	L1, L4, L8 T7 top	Maximum deflection
	5 "	"	"	106mc	"	"	C3, C13, C62	"
	6	Repeat steps 4 & 5 until no further improvement is possible.						
MX ALIGNMENT	7 Same as step 5	300-ohm balanced input to FM Ant.	106 mc	400 cps ±25kc FM	106 mc	CRO through 100K ohms across R41	T4, T5, T6, top & bottom	Recheck for maximum deflection while adjusting for symmetry
	8 Selector: FM/MX Hush Out	1.0 V to junction of R54, C220	70kc±2cps 70kc to CRO horiz.	None	Point of no interference	CRO to junction of C224, C225	L15	Adjust for minimum
	9 "	.1 V to junction of R54, C220	19kc ± 2cps 19kc to CRO horiz.	"	"	CRO at junction of R221, 224, 233	L9, R225 (See Note 1)	Minimum output
	10 "	"	"	"	"	CRO at junction R240, R241	L16	Minimum output
	11 "	"	"	"	"	CRO at junction of X8, X9	T15 top and bottom (See Note 2)	Maximum output
	12 Selector: FM/MX Hush Out, Sep. (R257) Minimum resistance.	1.0 V into C220	38kc stereo composite signal	R only or L only	"	CRO or AF VTVM CH 1 out or CH 2 out	T15, top & bottom. Back slugs out. (See Note 3)	Minimum audio out unmodulated channel
	13 FM Stereo Sep. (R257) Maximum	1.0 V into C220	38kc stereo composite signal	R only or L only	"	"	Sep. control R257	"

*In step 12, if output does not null properly recheck steps 9 and 10.

COURTESY OF SHERWOOD ELECTRONIC LABORATORIES, INC.



**SHERWOOD MODEL S-8000 III
80W FM-MX STEREO RECEIVER**

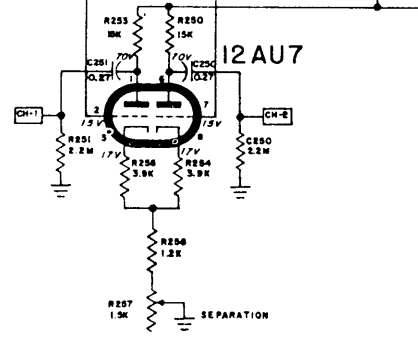
* MATCH WITHIN 1%

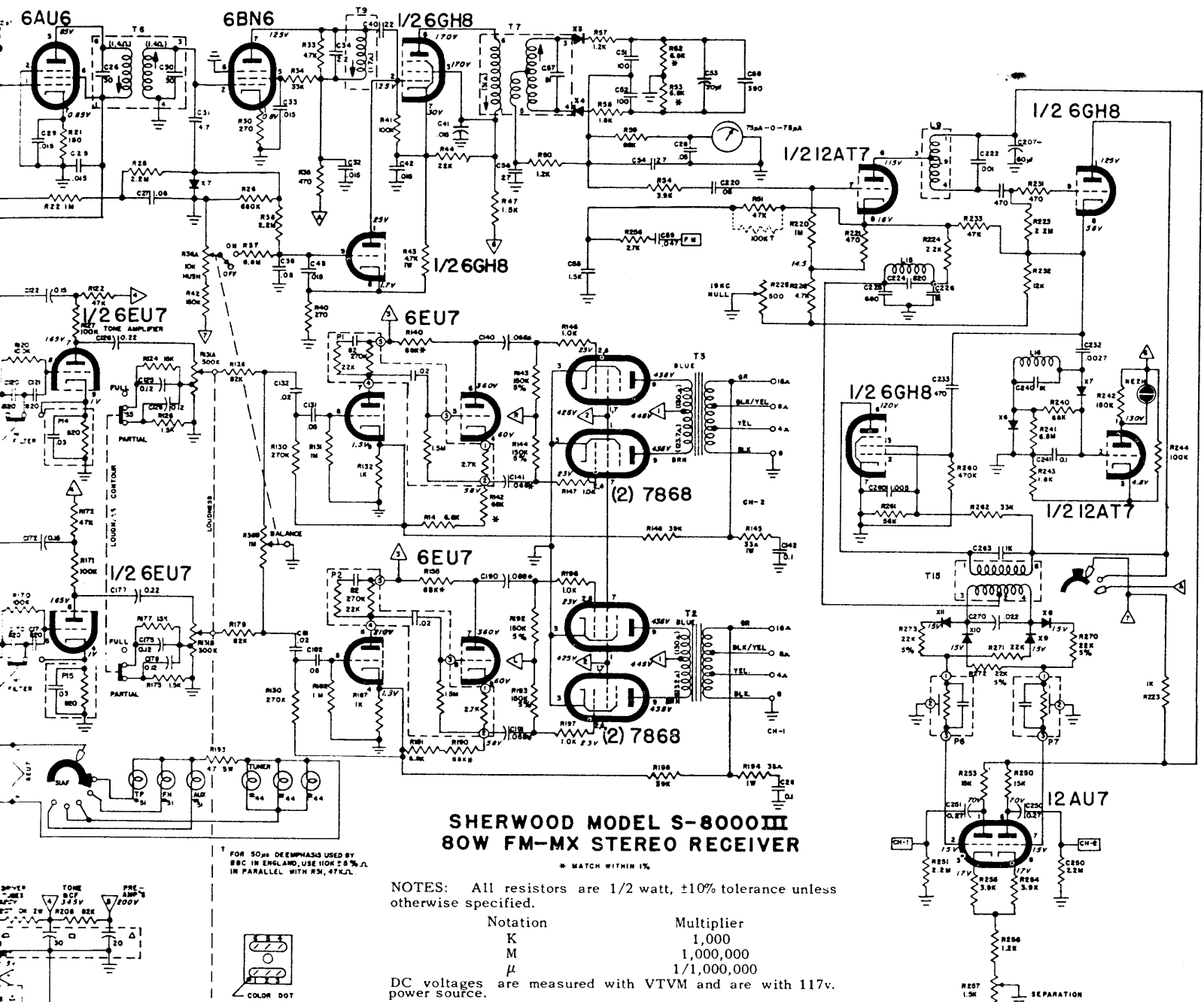
NOTES: All resistors are 1/2 watt, ±10% tolerance unless otherwise specified.

Notation	Multiplier
K	1,000
M	1,000,000
μ	1/1,000,000

DC voltages are measured with VTVM and are with 117v. power source.

Serial Number 839100 and up





**SHERWOOD MODEL S-8000 III
80W FM-MX STEREO RECEIVER**

* MATCH WITHIN 1%

NOTES: All resistors are 1/2 watt, ±10% tolerance unless otherwise specified.

Notation	Multiplier
K	1,000
M	1,000,000
μ	1/1,000,000

DC voltages are measured with VTVM and are with 117v. power source.

Serial Number 839100 and up

† FOR 50% DEEMPHASIS USED BY BBC IN ENGLAND, USE 10K ± 5% Ω IN PARALLEL WITH R51, 47K Ω.



