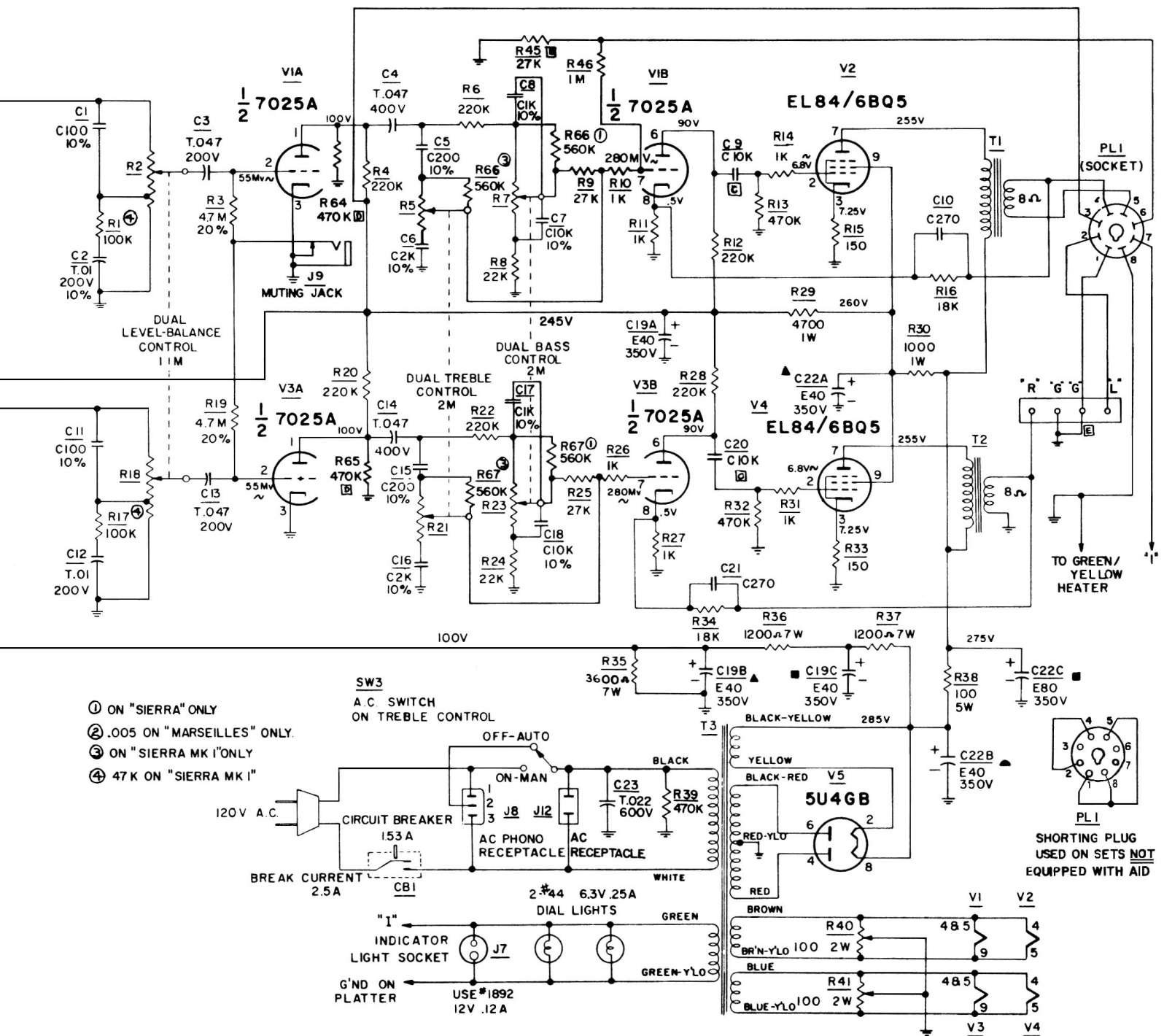
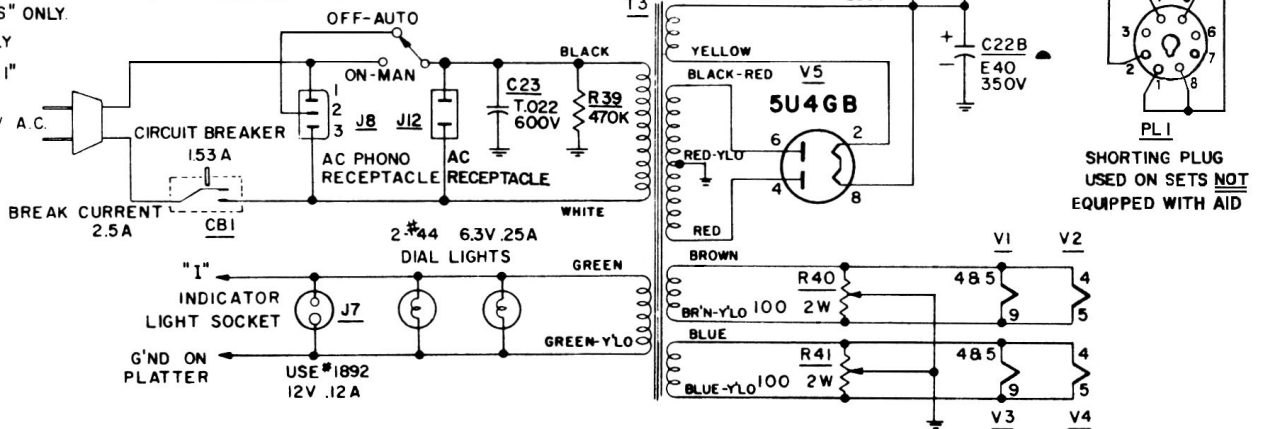


Electrohome Marseilles, Sierra & Sierra MKI



- ① ON "SIERRA" ONLY
- ② .005 ON "MARSEILLES" ONLY.
- ③ ON "SIERRA MK I" ONLY
- ④ 47K ON "SIERRA MK I"

SW3
A.C. SWITCH
ON TREBLE CONTROL



00-572-05
Issue 9

COMPONENT VALUES-

RESISTORS -

HALF WATT UNLESS OTHERWISE SPECIFIED.
10% TOLERANCE UNLESS OTHERWISE SPECIFIED.
K=1,000 OHMS.
M=1,000,000 OHMS.

CONDENSERS-

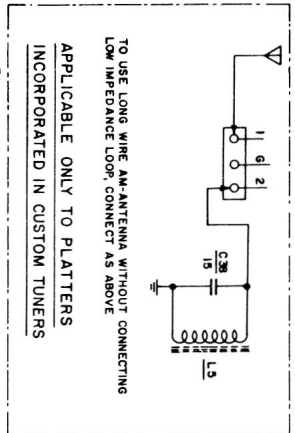
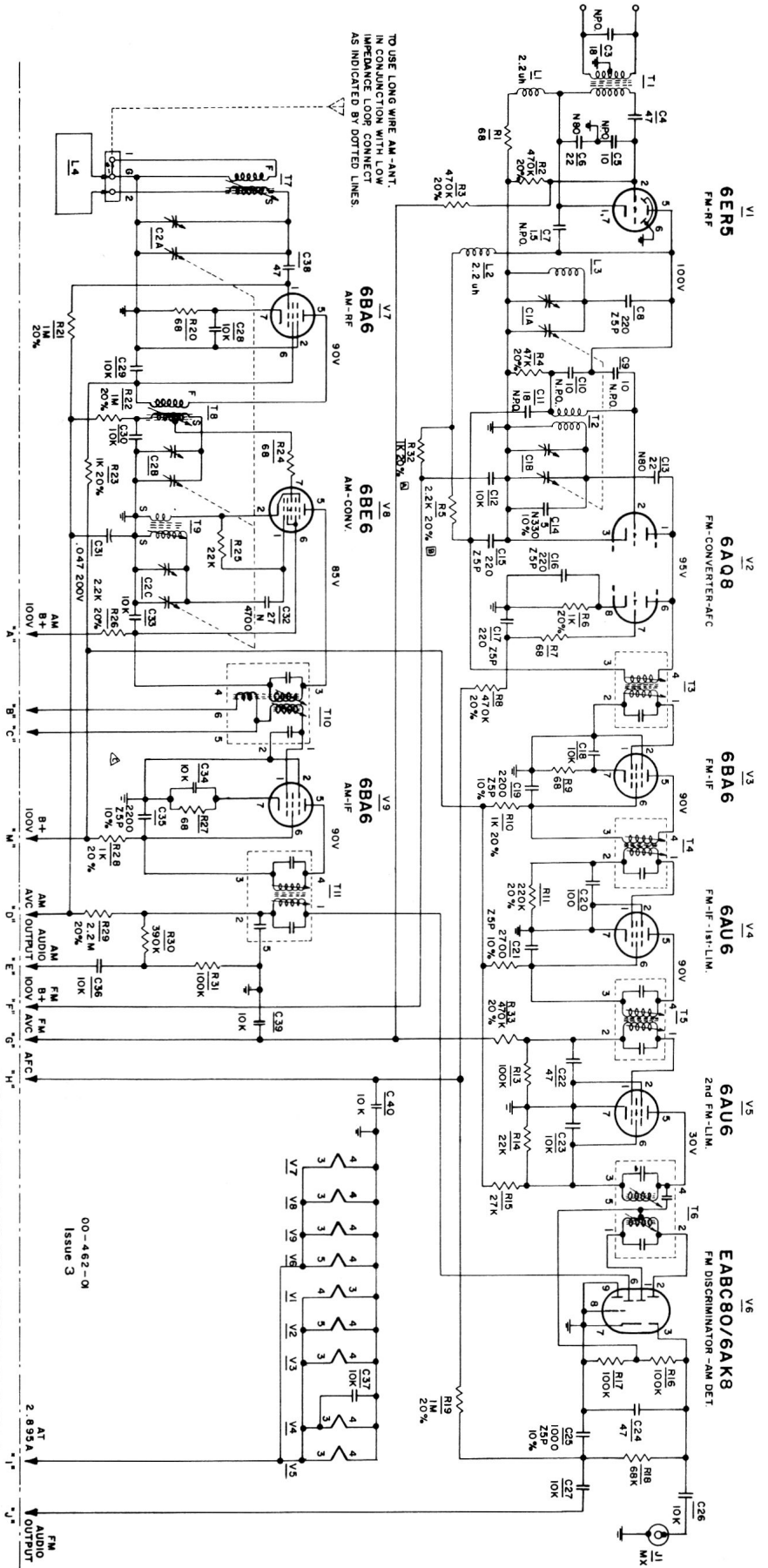
T=TUBULAR FOLLOWED BY CAP IN MFD AND D.C.W.V.
E= ELECTROLYTIC, FOLLOWED BY CAP IN MFD AND D.C.W.V.
C= CERAMIC, FOLLOWED BY CAP IN MMFD AND TOL. IF CRITICAL.
M=MICA, FOLLOWED BY CAP IN MMFD AND TOL. IF CRITICAL.

HUM BALANCE PROCEDURE.

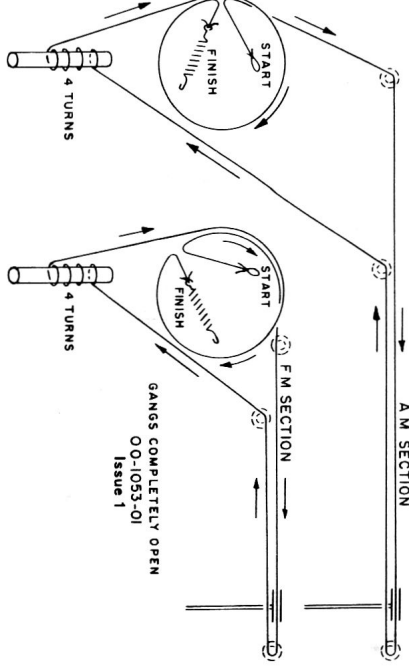
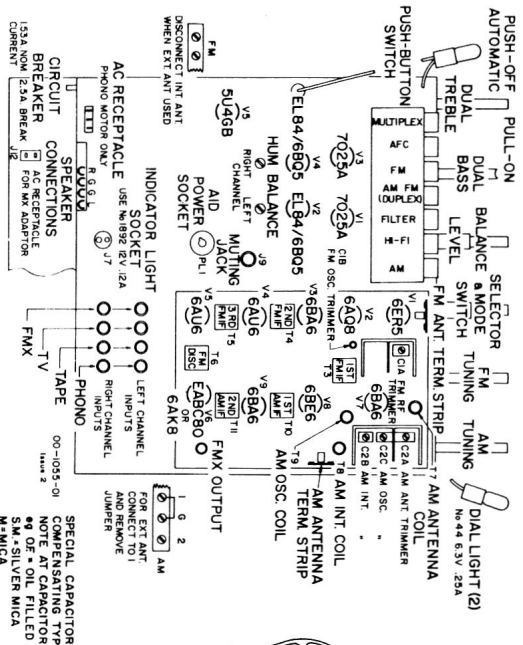
SET MODE SWITCH TO STEREO AND BASS AND LEVEL CONTROL FULL C.W.
ADJUST R 40 FOR MINIMUM HUM IN LEFT CHANNEL
" R 41 " " " " RIGHT "

Electrohome Marseille, Sierra & Sierra MKI

AMPLIFIER



- LEGEND**
- RESISTORS
 HALF WATT UNLESS OTHERWISE NOTED.
 10% TOLERANCE *
 M=1,000,000
- CAPACITORS
 TUBULAR CAPACITY IN uFD. AND DCWV.
 K=1,000
 M=1,000,000
 ELECTROLYTIC CAPACITY IN uFD. AND DCWV
 CURVED SIDE OUTSIDE FOIL.
 CERAMIC MICA OR OTHER TYPES WITH NO CAPACITY IN uFD. TOLERANCE IF CRITICAL AND DCWV.

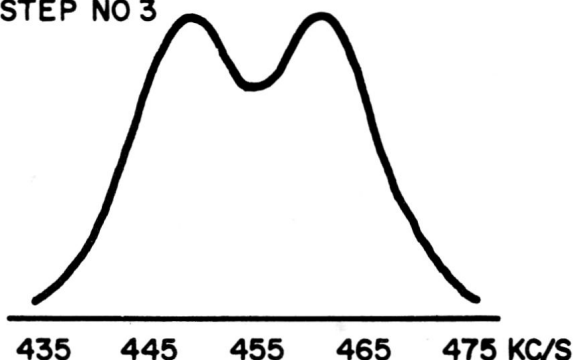


AM-FM DUPLEX TUNER

AM-FM TUNER ALIGNMENT

STEP	DUMMY ANTENNA	SIGNAL APPLIED TO	FREQ.	MODULATION	BAND SWITCH SETTING	DIAL POINTER SETTING	INDICATING METER	ADJUST	REMARKS	NOMINAL SENSITIVITY
1	.05 uf	Pin No. 1 V9 6BA6	455 Kc/s	400 c.p.s. AM at 30%	AM	600 Kc/s	AC-VTVM To Point "E"	T11 2nd. AM-IF	Adjust for maximum output.	4000 uv for 20 mv output
2	.05 uf	Pin No. 7 V8 6BE6	455 Kc/s	400 c.p.s. AM at 30%	AM	600 Kc/s	AC-VTVM To Point "E"	T10 1st. AM-IF	Adjust for maximum output.	300 uv for 20 mv output
3	Change Band Switch to (AM Hi-Fi) Tune Signal Generator across 440-470 Kc/s Frequency Range and check for approx. response curve as shown. This test should preferably be made with a proper sweep generator and scope.									
4	200 uuf	AM Ant. Term. Strip No. 1	600 Kc/s	400 c.p.s. AM at 30%	AM	600 Kc/s	AC-VTVM To Point "E"	T7, T8, and T9	Connect for long wire antenna, adjust for maximum output.	2.5 uv for 20 mv output
5	200 uuf	AM Ant. Term. Strip No. 1	1400 Kc/s	400 c.p.s. AM at 30%	AM	1400 Kc/s	AC-VTVM To Point "E"	C2A, C2B and C2C Trimmers.	Connect for long wire antenna, adjust for maximum output.	1.8 uv for 20 mv output
6	Repeat steps 4 and 5, check for band coverage at 535 Kc/s - 1650 Kc/s and for tracking at 950 Kc/s.									
7	-	Pin No. 1 V4 6AU6	10.7 Mc/s	-	FM	Point of no Interference	DC-VTVM To Point "G"	T5 3rd. FM-IF	Adjust for maximum meter deflection.	15000 uv for 1V output
8	-	Pin No. 1 V4 6AU6	10.7 Mc/s	-	FM	Point of no Interference	DC-VTVM to Pin No.5 of T6	T6 FM Discriminator Primary	Adjust for maximum meter deflection.	10000 uv for 3V output
9	-	Pin No. 1 V4 6AU6	10.7 Mc/s	-	FM AFC	Point of no Interference	DC-VTVM To Point "H"	T5 FM Discriminator Secondary	Adjust for zero voltage	
10	-	Pin No. 1 V3 6BA6	10.7 Mc/s	-	FM	Point of no Interference	DC-VTVM To Point "G"	T4 2nd FM-IF	Adjust for maximum meter deflection	250 uv for 1V output
11	-	C1A FM Gang	10.7 Mc/s	-	FM	Point of no Interference	DC-VTVM To Point "G"	T3 1st FM-IF	Adjust for maximum meter deflection.	-
12	*	FM Ant. Term. Strip	90 Mc/s	400 c.p.s. FM 22.5 Kc/s Deviation	FM	90 Mc/s	AC-VTVM To Point "J"	Expand or compress L3 and T2	Adjust for maximum output.	3 uv for 100 mv output
13	*	FM Ant. Term. Strip	106 Mc/s	400 c.p.s. FM 22.5 Kc/s Deviation	FM	106 Mc/s	AC-VTVM To Point "J"	C1B and C1A Trimmers	Adjust for maximum output.	3 uv for 100 mv output
14	Repeat steps 12 and 13 until output drops at least 20 db. when mod. is turned off.									
NOTE: To achieve more accurate alignment of FM IF's and Discriminator it is preferable to use a proper sweep generator and oscilloscope.										

STEP NO 3



* For FM dummy antenna connect one 150 Ω carbon resistor from grounded side of sig. gen. to ant. term. and one 120 Ω carbon resistor from hot side of sig. gen. to ant. term.