

ERIC ELECTRONICS CORP.
PRESENTS
FM MULTIPLEX, AM & FM STEREO RECEIVER
MODEL 5760 MX

FEATURES:

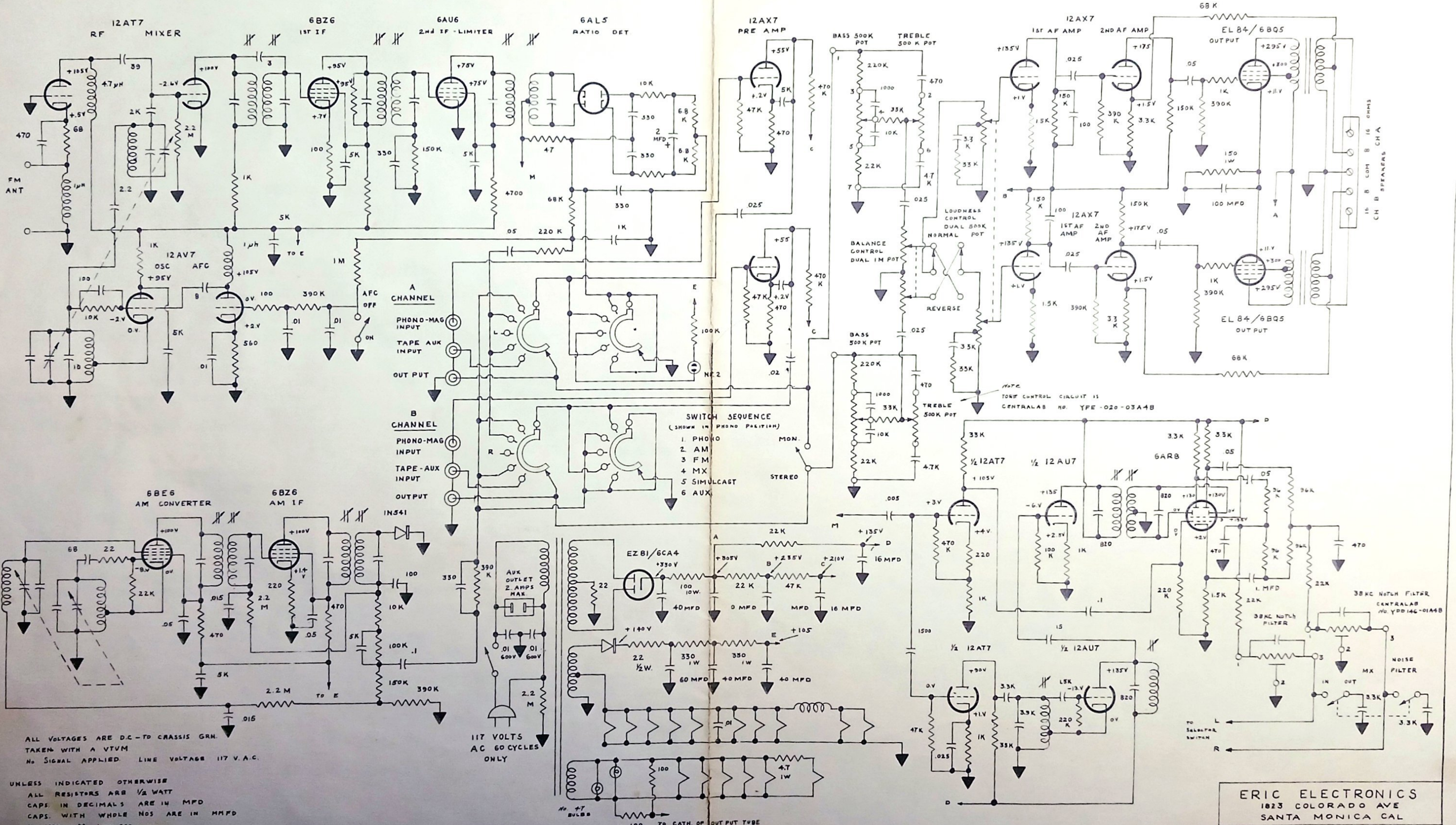
- * BUILT IN MULTIPLEX CIRCUITRY FOR FM MX STEREO RECEPTION.
- * SEPARATE AM & FM TUNER SECTIONS, SIMULCAST
- * DUAL 10 WATT HI FIDELITY AMPLIFIERS
- * MULTIPLEX FILTER, WITH FRONT PANEL SWITCH
- * INDICATOR LITE FOR MULTIPLEX RECEPTION.
- * 16 TUBES PLUS 4 SOLID STATE DIODES.
- * AUTOMATIC FREQUENCY CONTROL WITH DEFEAT SWITCH.
- * FLYWHEEL TUNING ON AM & FM SECTIONS.
- * SATIN GOLD FRONT PANEL FOR FLUSH PANEL CABINET MOUNTING, WALNUT OR METAL ENCLOSURES.
- * OUTPUT JACK FOR TAPING OR RECORDING OF STEREO BROADCASTS.
- * 38KC NOTCH T-FILTER WITH 45 DB ATTENUATION AT 38KC.
- * PRE-AMPLIFIERS INCLUDED FOR LOW LEVEL MAGNETIC PHONO CARTRIDGE OF 4 MV OUTPUT EQUALIZED TO RIAA CURVE.
- * EACH CHANNEL HAS ITS OWN SEPARATE DB CALIBRATED BASS & TREBLE TONE CONTROLS.
- * ILLUMINATED (EDGE LITE) DIAL WITH LOGGING SCALE.
- * WIDE BAND CIRCUITRY FOR HI FI PERFORMANCE.
- * SINGLE KNOB BALANCE CONTROL
- * CHANNEL REVERSING SWITCH FOR ALL INPUTS.
- * UNDERWRITER'S LABORATORIES APPROVED.
- * PRICE \$ 199.95 LIST.
- * COMPLETELY INTEGRATED, SIMPLE TO INSTALL.

SPECIFICATIONS:

- * SENSITIVITY - 2 MICRO VOLTS FOR 20 DB OF QUIETING ON FM.
- * DUAL 10 WATT (PER CHANNEL) AMPLIFIERS
- * TOTAL HARMONIC DISTORTION 1% AT 8 WATTS
- * AMPLIFIERS FREQUENCY RESPONSE- 20-20,000 CPS. ± 1 DB.
- * MULTIPLEX FREQUENCY RESPONSE- 50-15,000 CPS ± 1 DB
- * MULTIPLEX SEPARATION 35 DB AT 1000 CPS
- * AM FREQUENCY RESPONSE 20-8,000 CPS ± 1 DB.
- * FM FREQUENCY RESPONSE 20-20,000 CPS ± 1 DB.
- * HUM - 65 DB BELOW FULL OUTPUT.
- * FM ANTENNA INPUT - 300 OHMS UNBALANCED.
- * WIDE BAND RATIO DET., LOW NOISE.
- * OUTPUT IMPEDANCE 8-16 OHMS PER CHANNEL.
- * TUBE COMPLEMENT: (16 PLUS 4 DIODES) 2-12AT7, 1-12AV7, 1-6BZ6, 2-6AU6, 1-6BE6, 3-12AX7, 1-EZ81, 2-EL84/6BQ5, 1-6AR8, 1-12AU7, 1-6AL5 3-1N541 DIODES, 1-SILICON DIODE.
- * CONTROLS: FUNCTION, LOUDNESS, BASS, TREBLE, (DUAL) FM TUNING, AM TUNING, BALANCE, CHANNEL REVERSING, MON-STEREO SELECTOR, MX FILTER, AFC
- * POWER CONSUMPTION - 130 WATTS
- * DIMENSIONS: 13 3/4 BY 4 5/16 BY 12 " DEEP.
- * WEIGHT: 17 LBS.

ERIC ELECTRONICS CORP.
1823 COLORADO AVE.
SANTA MONICA CALIFORNIA
EX-3-9610

LARGEST MANUFACTURER OF AM & FM TUNERS AND AMPLIFIERS ON THE WEST COAST



ALL VOLTAGES ARE DC-TO CHASSIS GRM
 TAKEN WITH A VTVM
 No SIGNAL APPLIED LINE VOLTAGE 117 V.A.C.

UNLESS INDICATED OTHERWISE
 ALL RESISTORS ARE 1/2 WATT
 CAPS IN DECIMALS ARE IN MPD
 CAPS WITH WHOLE NOS ARE IN MMFD
 K = 1000 M = 1,000,000

ERIC ELECTRONICS
 1823 COLORADO AVE
 SANTA MONICA CAL
MODEL 5760MX RECEIVER
 drawing No 558 Feb 1962 9P

GENERAL DESCRIPTION

THE MODEL 5760MX STEREO MULTIPLEX RECEIVER IS A SELF CONTAINED INDEPENDENT AM-FM TUNER, DUAL POWER AMPLIFIER WITH PRE-AMPS AND STEREO CONTROL CENTER, ELIMINATING THE INTER-CONNECTION BETWEEN THE VARIOUS UNITS OF A STEREO HI FI SYSTEM PROVIDES FOR A MORE COMPACT, SIMPLE TO OPERATE SYSTEM WHICH IS EASIER TO INSTALL. TO COMPLETE YOUR STEREO SYSTEM REQUIRES ONLY THE ADDITION OF TWO QUALITY SPEAKERS. SINCE HI FI PRACTICE NECESSITATES THE SPEAKERS BE ISOLATED FROM THE RECEIVER, THE SPEAKERS ARE NOT INCLUDED AS PART OF THE RECEIVER.

A SPECIAL FEATURE OF THE RECEIVER IS THE PROVISION FOR RECORDING OR TAPING ANY PROGRAM MATERIAL (FOR OFF THE AIR, RECORDS OR TAPE), EITHER MONAURAL OR STEREO. TO PREVENT BEAT NOTES, USUALLY ASSOCIATED WHEN TAPING A MULTIPLEX BROADCAST, A SPECIAL 38 KC FILTER IS INCORPORATED INTO THE MULTIPLEX UNIT.

A NEON INDICATOR LIGHT WILL GLOW WHEN THE FUNCTION SWITCH IS SET TO THE MX POSITION. IF YOUR SET HAS THE BUILT IN MULTIPLEX UNIT, THE LIGHT WILL GIVE A VISUAL INDICATION THAT ALL THE NECESSARY SWITCHING HAS BEEN ACCOMPLISHED AND YOU ARE READY TO RECEIVE A STEREO MULTIPLEX BROADCAST. BROADCAST SIGNALS OF THE STATIONS TRANSMITTING ON MULTIPLEX MUST BE KNOWN. IN SETS NOT EQUIPPED WITH THE MULTIPLEX UNIT (WHICH MAY BE ADDED LATER), THE LIGHT WILL GLOW, BUT MUST BE DISREGARDED, AS IT IS NOT POSSIBLE TO RECEIVE THE MULTIPLEX SIGNAL WITHOUT THE MULTIPLEX UNIT.

INSTALLATION

THE MODEL 5760MX IS DESIGNED TO OPERATE ON 110-120 VOLTS - 60 CYCLES, ONLY WITH A POWER CONSUMPTION OF 110 WATTS. IT MAY BE PLACED ON A TABLE, SHELF, OR MAY BE USED IN A CUSTOM INSTALLATION. AMPLE VENTILATION MUST BE PROVIDED AND IT IS ADVISABLE NOT TO PLACE ANY OBJECT ON TOP OR IMMEDIATELY BEHIND IT. IT IS NORMAL FOR A RECEIVER OF THIS POWER TO GENERATE HEAT, AND SUFFICIENT SPACE MUST BE ALLOWED AROUND IT TO PERMIT FREE AIR FLOW, OTHERWISE EQUIPMENT WILL BE DAMAGED DUE TO OVERHEATING.

ANTENNA HOOKUP

NO ANTENNA IS REQUIRED FOR THE AM SECTION, SINCE THE 5760MX HAS A BUILT IN FERRITE ROD AM ANTENNA.

FOR FM RECEPTION THE 5760MX EMPLOYS A 300 OHM UNBALANCED INPUT, WITH THE RIGHT ANTENNA TERMINAL (AS VIEWED FROM THE REAR OF THE SET) GROUNDING. IN STRONG SIGNAL AREAS (AS IS THE CASE IN OR NEAR LARGER CITIES), A THREE FOOT LENGTH OF ORDINARY STRANDED WIRE MAY BE USED FOR FM RECEPTION AND IS CONNECTED TO THE LEFT TERMINAL OF THE ANTENNA INPUT STRIP. IN WEAKER SIGNAL AREAS, USE A FOLDED DIPOLE ANTENNA (EITHER A COMMERCIAL FM TYPE, OR A TV ANTENNA WILL WORK.) FOR MULTIPLEX RECEPTION, MORE STRINGENT ANTENNA REQUIREMENTS ARE NECESSARY.

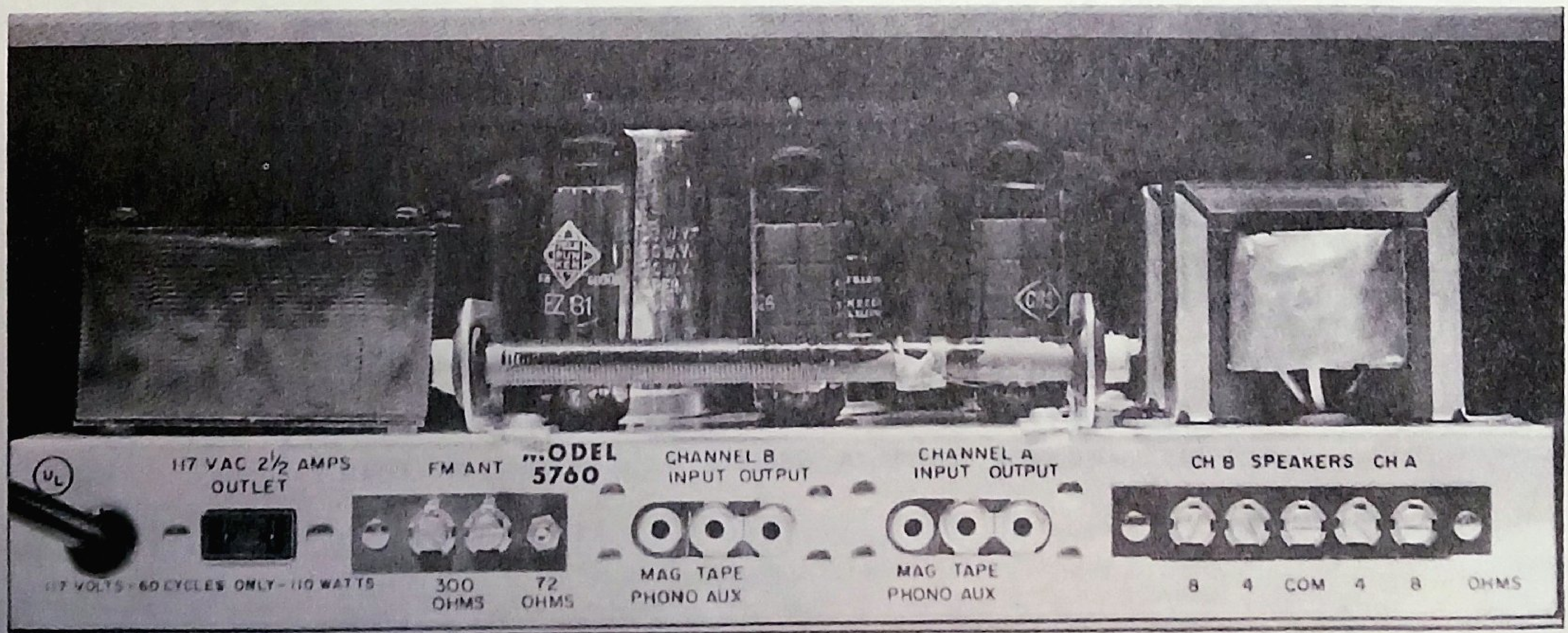
ANTENNA HOOKUP, CONT.

DUE TO THE MORE COMPLEX NATURE OF THE MULTIPLEX SIGNAL, MORE ATTENTION MUST BE PAID TO THE ANTENNA INSTALLATION TO PREVENT DISTORTION DURING FM STEREO MULTIPLEX RECEPTION. TO ASSURE A SIGNAL OF SUFFICIENT STRENGTH, AS LITTLE DETERIORATION AS POSSIBLE, AND MOST OF ALL FREEDOM FROM MULTI-PATH RECEPTION, IT IS ADVISABLE TO USE THE SAME PROCEDURE AS WITH A TV ANTENNA INSTALLATION.

1. AN ANTENNA INSTALLATION AS HIGH AS POSSIBLE.
2. A NON-DIRECTIONAL COMMERCIAL-TYPE FM ANTENNA IF MULTI-PATH SIGNALS ARE NO PROBLEM, AS IN A LOCATION FREE FROM HILLS, AND TALL BUILDINGS.
3. A DIRECTIONAL ANTENNA IF LOCATION IS IN THE VICINITY OF TALL BUILDINGS AND/OR HILLS.
4. AS SHORT A LEAD-IN AS POSSIBLE.
5. RE-ORIENTATION TO FIND THE MOST SUITABLE LOCATION.

SPEAKER HOOKUP

ANY TYPE OF UNSHIELDED FLEXIBLE WIRE SUCH AS LAMP CORD, TV LEAD-IN WIRE, AND SO FORTH, MAY BE USED TO CONNECT THE SPEAKERS. TWO SEPARATE SPEAKERS OR SPEAKER SYSTEMS ARE NECESSARY FOR STEREO REPRODUCTION. TO RECEIVE THE FULL BENEFIT OF STEREO REPRODUCTION, SPEAKER PHASING MUST BE OBSERVED. SPEAKER MANUFACTURERS USUALLY PLACE A RED DOT OR PLUS (+) SIGN TO DENOTE CORRECT PHASING. CONNECT ONE LEAD WIRE FROM THE SPEAKER TERMINAL WITH THE RED DOT TO THE AMPLIFIER SPEAKER TERMINAL MARKED 4 OR 8 OHMS OF THE CHANNEL A SIDE. CONNECT ONE LEAD FROM THE OTHER SPEAKER TERMINAL WITH THE RED DOT TO THE AMPLIFIER SPEAKER TERMINAL MARKED 4 OR 8 OHMS OF THE CHANNEL B SIDE. (IF IN DOUBT, AS TO THE SPEAKER IMPEDANCE, USE THE 8 OHM TERMINALS). TIE THE TWO REMAINING LEADS OF THE SPEAKERS TOGETHER AND CONNECT THEM TO THE SPEAKER TERMINAL MARKED COM. CAUTION: DO NOT OPERATE THE RECEIVER UNLESS BOTH SPEAKERS ARE CONNECTED (EVEN AS A MONAURAL RECEIVER) AS SERIOUS DAMAGE MAY OCCUR.



INPUT CONNECTIONS FOR PHONO/TAPE

ALL INPUT CONNECTIONS ARE MADE AT THE BACK OF THE RECEIVER. SHIELDED SINGLE CONDUCTOR CABLE AND STANDARD RCA PLUGS SHOULD BE USED. PROVISION IS MADE FOR TWO SEPARATE STEREO INPUTS, MAG TAPE AND XTAL PHONO. FOR RECORD CHANGERS EQUIPPED WITH A MAGNETIC CARTRIDGE, (WITH AN OUTPUT VOLTAGE FROM 4 TO 11 MILLIVOLTS) USE THE INPUT JACK MARKED MAG PHONO. FOR RECORD CHANGERS EQUIPPED WITH A CRYSTAL OR CERAMIC CARTRIDGE (WITH AN OUTPUT VOLTAGE OVER 20 MILLIVOLTS) USE THE JACK MARKED TAPE OR AUX. MOST TAPE RECORDERS HAVE THEIR OWN PRE-AMPLIFIERS; THEREFORE TO CONNECT A TAPE RECORDER USE THE TAPE AUX JACK.

OUTPUT JACK

AN OUTPUT JACK IS PROVIDED TO RECORD OR TAPE EITHER AM OR FM BROADCASTS OR BOTH SIMULTANEOUSLY. TO TAPE A MONAURAL FM BROADCAST, THE OUTPUT OF EITHER CHANNEL A OR CHANNEL B MAY BE USED; HOWEVER THE FUNCTION SWITCH MUST BE IN EITHER THE FM OR FM AFC POSITION. IN THE SAME MANNER, TO TAPE A MONAURAL AM BROADCAST, THE OUTPUT JACK OF EITHER CHANNEL A OR CHANNEL B MAY BE USED WITH THE FUNCTION SWITCH IN THE AM POSITION. TO RECORD OR TAPE A STEREO BROADCAST, THE OUTPUT OF CHANNEL A IS FROM THE FM TUNER WHILE THE OUTPUT FROM CHANNEL B IS FROM THE AM TUNER. TO ACCOMPLISH THIS THE FUNCTION SWITCH MUST BE IN THE STEREO POSITION.

AN AC OUTLET RECEPTACLE IS PROVIDED IN BACK OF THE RECEIVER TO ENABLE A COMPONENT SUCH AS A RECORD CHANGER TO BE TURNED ON AND OFF BY THE MAIN POWER SWITCH OF THE RECEIVER. DO NOT CONNECT A COMPONENT THAT DRAWS MORE THAN 2 AMPS OF CURRENT.

OPERATION AND CONTROLS

POWER ON-OFF LOUDNESS CONTROL SWITCH: THIS SWITCH SERVES TO TURN THE RECEIVER ON AS WELL AS TO ADJUST THE VOLUME OF BOTH CHANNELS SIMULTANEOUSLY.

FUNCTION SWITCH: THIS SWITCH DETERMINES WHAT MODE OF OPERATION IS IN USE:

- POSITION 1. PHONO-MAG - THIS POSITION IS USED ONLY WHEN THE CHANGER OR TURN-TABLE IS EQUIPPED WITH A MAGNETIC PICK-UP.
- POSITION 2. AM - THIS POSITION AUTOMATICALLY SWITCHES THE AM TUNER TO BOTH AMPLIFIERS (MONAURAL).
- POSITION 3. FM - THIS POSITION AUTOMATICALLY SWITCHES THE FM TUNER TO BOTH AMPLIFIERS (MONAURAL).
- POSITION 4. MX - THIS POSITION IS USED FOR RECEIVING MULTIPLEX STEREO BROADCASTING (MULTIPLEX STEREO ADAPTOR OPTIONAL SEE PAGE 2, PARAGRAPH 3).
- POSITION 5. SIMULCAST - IN THIS POSITION, THE FM TUNER IS AUTOMATICALLY CONNECTED TO THE CHANNEL A AMPLIFIER WHILE THE AM TUNER IS AUTOMATICALLY CONNECTED TO THE CHANNEL B AMPLIFIER (STEREO).

OPERATION AND CONTROLS, Cont.

POSITION 6. Aux. - THIS POSITION IS FOR ANY AUXILIARY EQUIPMENT SUCH AS A TAPE RECORDER WHICH HAS ITS OWN PREAMP AND FOR RECORD CHANGERS WHICH HAVE CERAMIC CARTRIDGES.

STEREO MONAURAL SLIDE SWITCH: THIS SWITCH ENABLES THE MODEL 5760MX TO BE USED FOR BOTH STEREO AND MONAURAL REPRODUCTION.

IN-OUT MX FILTER SLIDE SWITCH: THIS FILTER ONLY TO BE USED IN CASE OF NOISE OR HISS WHEN RECEIVING MULTIPLEX STEREO BROADCAST.

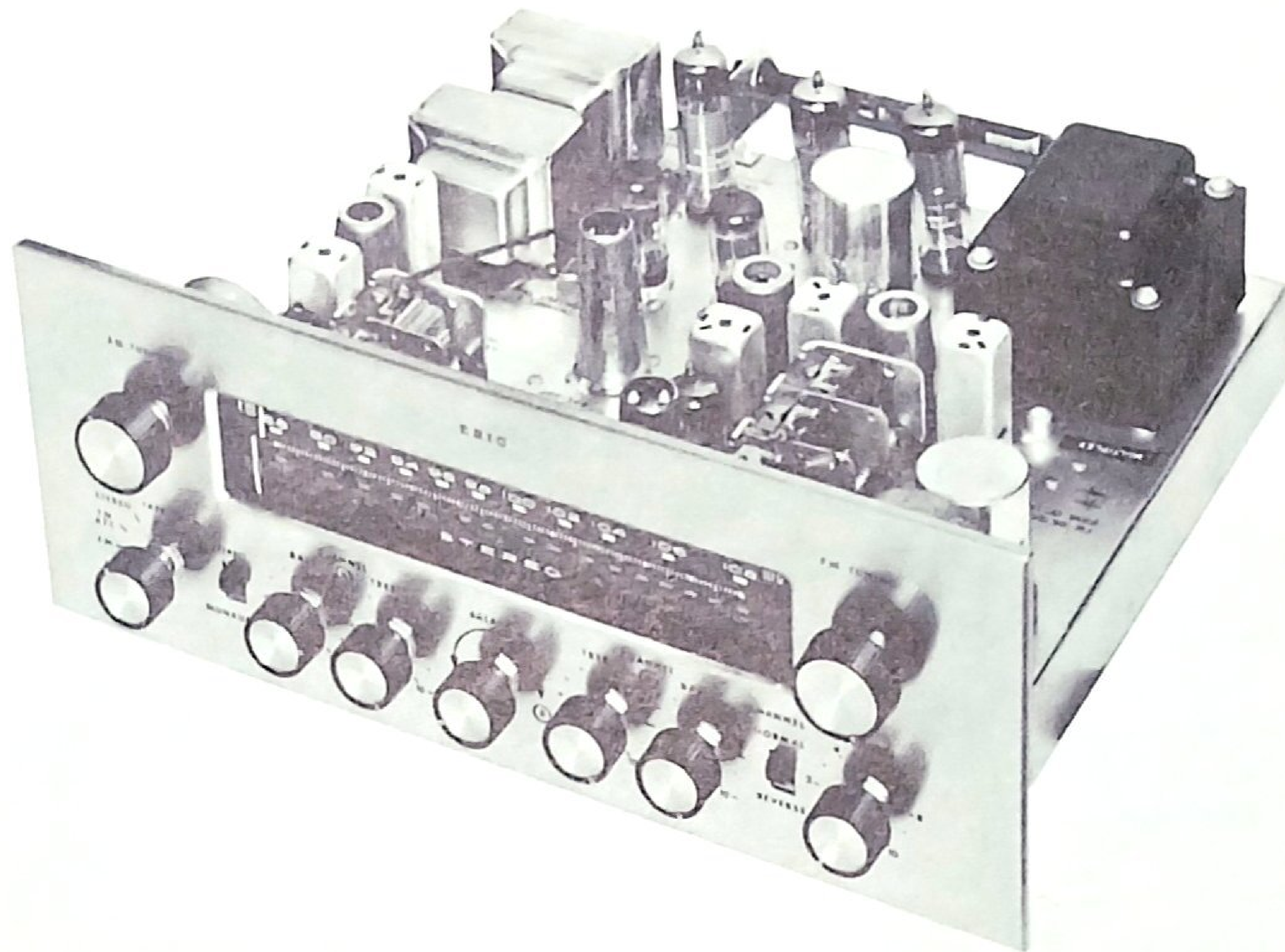
AFC- ON-OFF SLIDE SWITCH: THIS POSITION IS USED TO LOCK THE STATION AT CENTER FREQUENCY TO PREVENT DRIFTING.

NORMAL-REVERSE SLIDE SWITCH: THIS SWITCH CORRECTS ANY ABNORMALITY IN THE STEREO SYSTEM WHEREBY THE LEFT SIGNAL APPEARS OUT OF THE RIGHT SPEAKER AND VICE VERSA.

BALANCE CONTROL: THE BALANCE CONTROL VARIES THE RELATIVE OUTPUTS OF THE TWO CHANNELS TO COMPENSATE FOR DIFFERENCES IN RECORDING TECHNIQUE, LISTENING ROOM ACOUSTICS AND THE LOCATION OF THE SPEAKERS AND OF THE LISTENERS. TO SET THIS CONTROL MOMENTARILY MOVE THE STEREO-MONAURAL SWITCH TO THE MONAURAL POSITION. ROCK THE BALANCE CONTROL BACK AND FORTH UNTIL BOTH CHANNELS APPEAR TO HAVE EQUAL VOLUME, THEN MOVE THE STEREO-MONAURAL SWITCH BACK TO THE STEREO POSITION.

TONE CONTROLS - BASS AND TREBLE: SEPARATE WIDE RANGE BASS AND TREBLE CONTROLS FOR EACH CHANNEL PROVIDE A CONSIDERABLE RANGE OF TONAL ADJUSTMENT TO SUIT THE LISTENING CONDITIONS AND THE PROGRAM MATERIAL BEING REPRODUCED. WHEN BOTH CONTROLS (BASS AND TREBLE) ARE IN THE CENTER POSITION, (0), THE FREQUENCY RESPONSE OF THE RECEIVER IS UNIFORM FROM 20 CYCLES TO 20,000 CPS. EACH CONTROL HAS A RANGE OF ± 10 DB. IN THE MONAURAL POSITION STEREO EFFECT IS OBTAINED BY ACCENTUATING THE BASS IN ONE CHANNEL AND THE TREBLE IN THE OTHER.

TUNING CONTROLS: THE UPPER RIGHT HAND CONTROL TUNES THE FM BAND FROM 88 TO 108 MC. THE UPPER LEFT HAND CONTROL TUNES THE AM BAND FROM 550 TO 1800 KC. A LOGGING SCALE IS PROVIDED FOR CONVENIENCE IN RESETTING THE DIAL TO A DESIRED STATION EITHER AM OR FM.

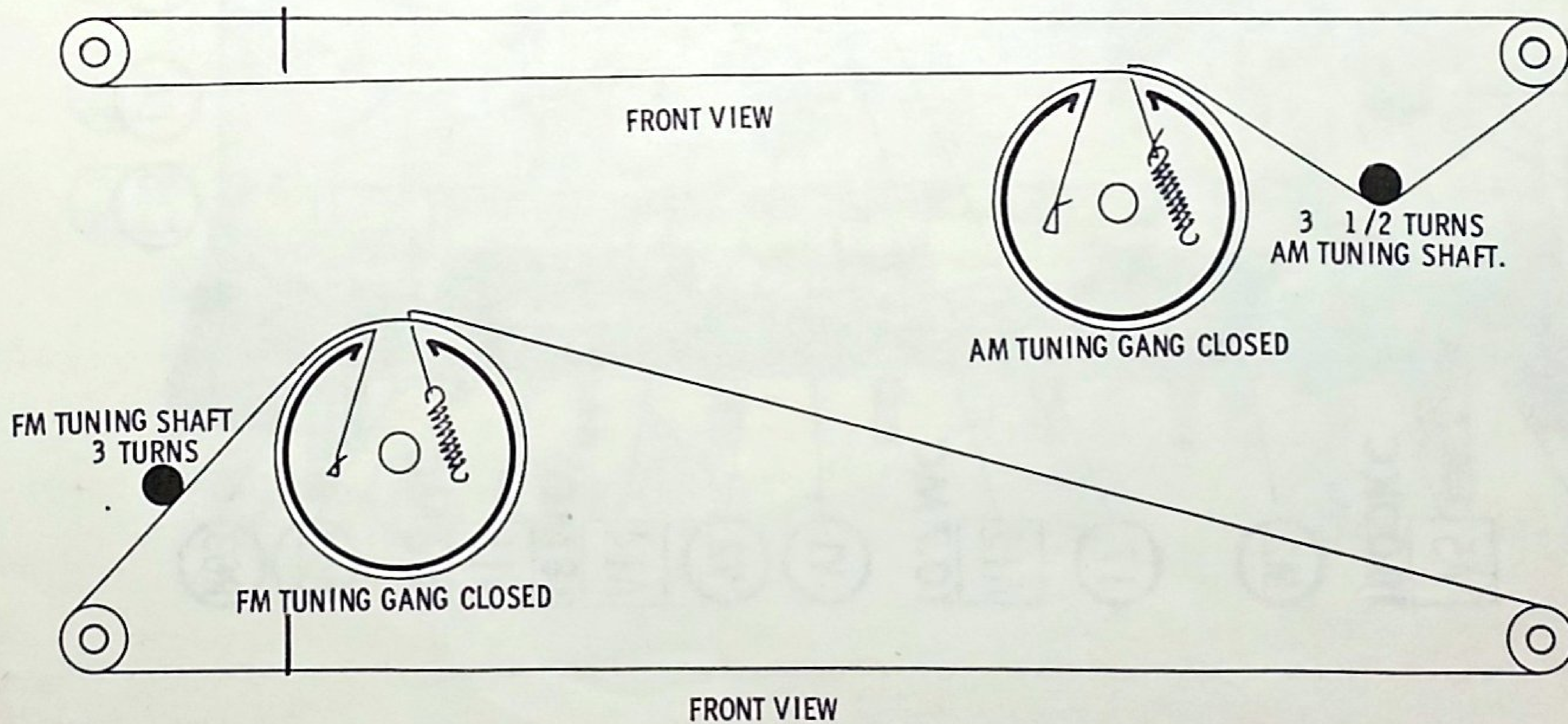


ERIC MODEL
5760G

ERIC MODEL
5760G

TRADE NAME	Eric Model 5760G
MANUFACTURER	Eric Electronics Corp., 1823 Colorado Ave., Santa Monica, California
TYPE SET	AC Operated 12 Tube AM-FM Receiver with Stereo Amplifier
POWER SUPPLY	110 - 120 Volts AC, 60 Cycles RATING 85 Watts, .79 Amp. @117 Volts AC
TUNING RANGE-BROADCAST	530 - 1920KC FREQ. MOD. 88 - 108MC

DIAL CORD STRINGING



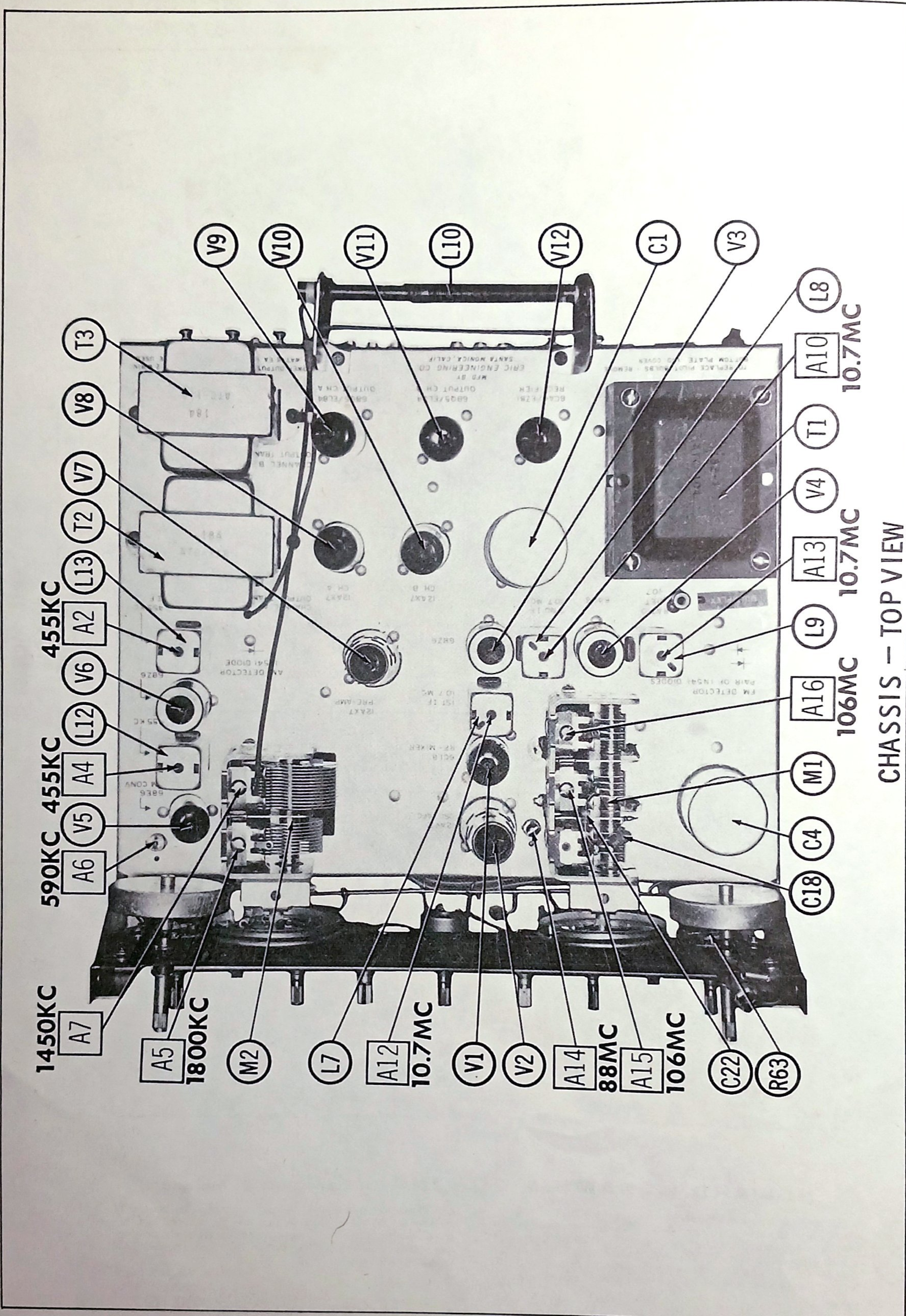
HOWARD W. SAMS & CO., INC. Indianapolis 6, Indiana



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1450KC
A7

590KC 455KC
A6 V5 A4 L12 V6 A2 L13 T2 V7 V8 T3

455KC

A5 1800KC

M2

L7

A12 10.7MC

V1

V2

A14 88MC

A15 106MC

C22

R63

C18 C4

A16 106MC

L9 10.7MC

T1

A10 10.7MC

V3

L8

V4

M1

C18 C4

A15 106MC

A14 88MC

V2

V1

A12 10.7MC

L7

M2

A5 1800KC

A7

A6

V5

A4

L12

V6

A2

L13

T2

V7

V8

T3

V9

V10

V11

L10

V12

C1

V3

L8

T1

V4

A13 10.7MC

L9 10.7MC

M1

C4

A16 106MC

C18

C4

A15 106MC

A14 88MC

V2

V1

A12 10.7MC

L7

M2

A5 1800KC

A7

A6

V5

A4

L12

V6

A2

L13

T2

V7

V8

T3

V9

V10

V11

L10

V12

C1

V3

L8

T1

V4

A13 10.7MC

L9 10.7MC

M1

C4

A16 106MC

C18

C4

A15 106MC

A14 88MC

V2

V1

A12 10.7MC

L7

M2

A5 1800KC

A7

A6

V5

A4

L12

V6

A2

L13

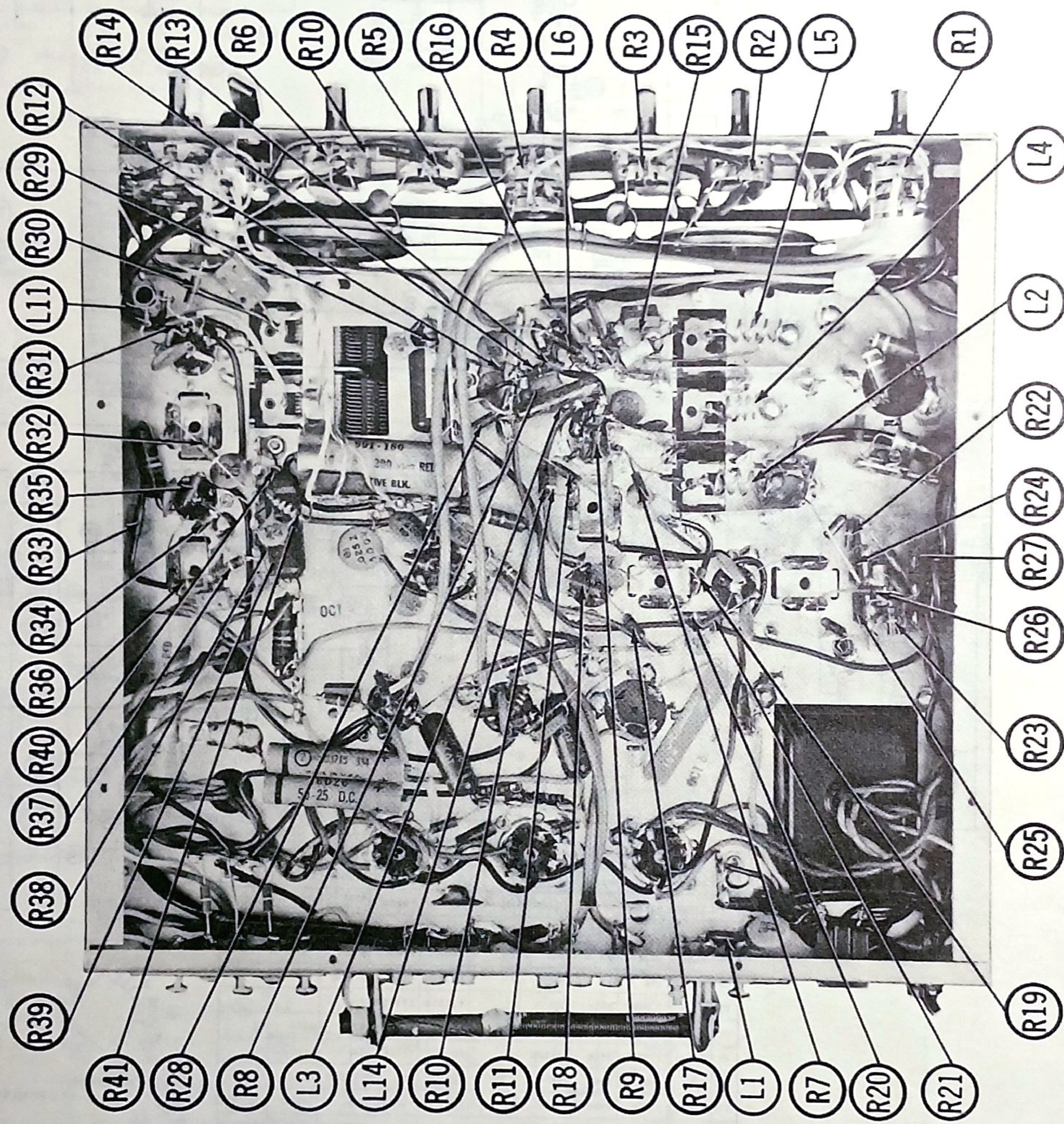
T2

V7

V8

T3

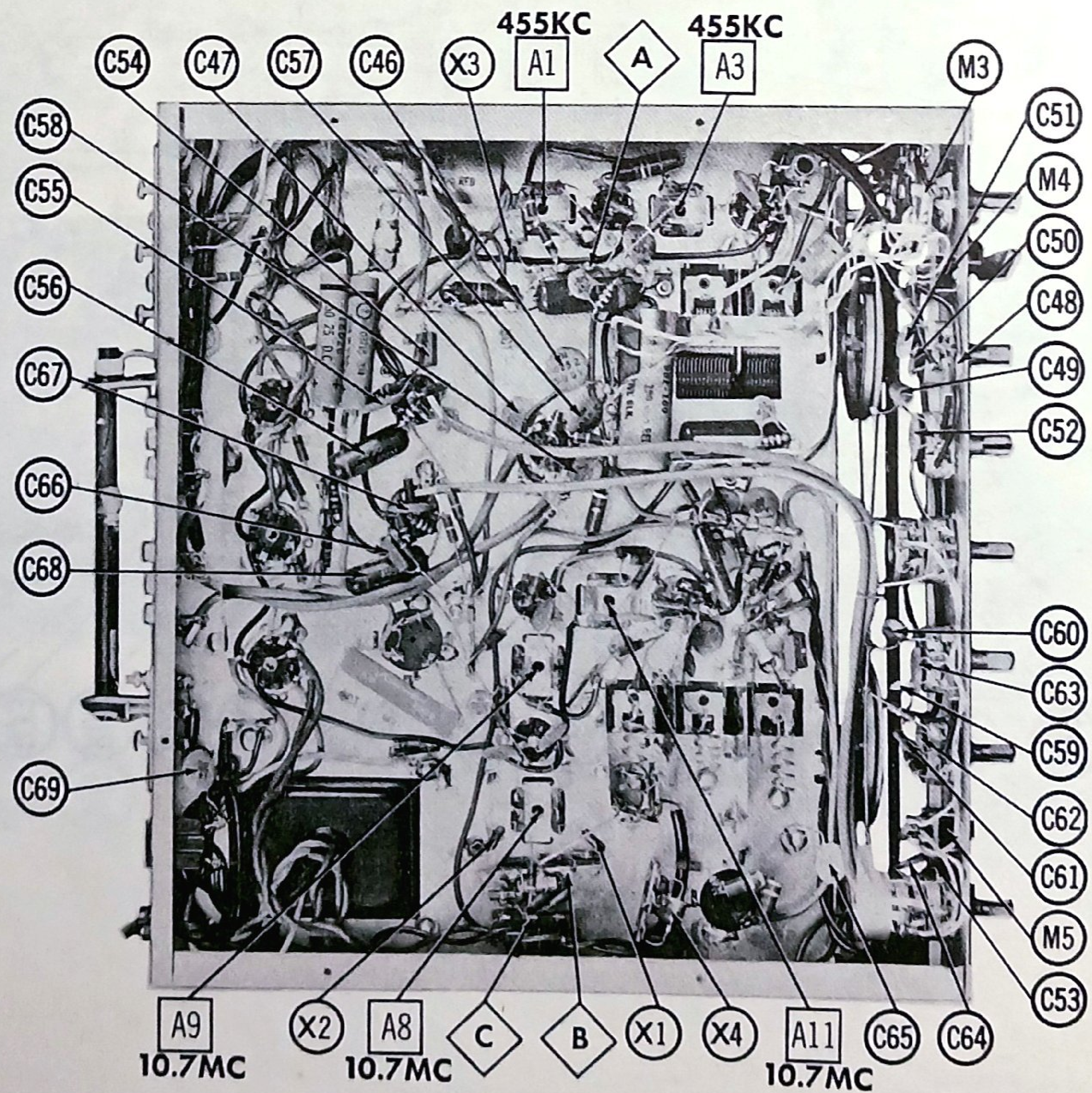
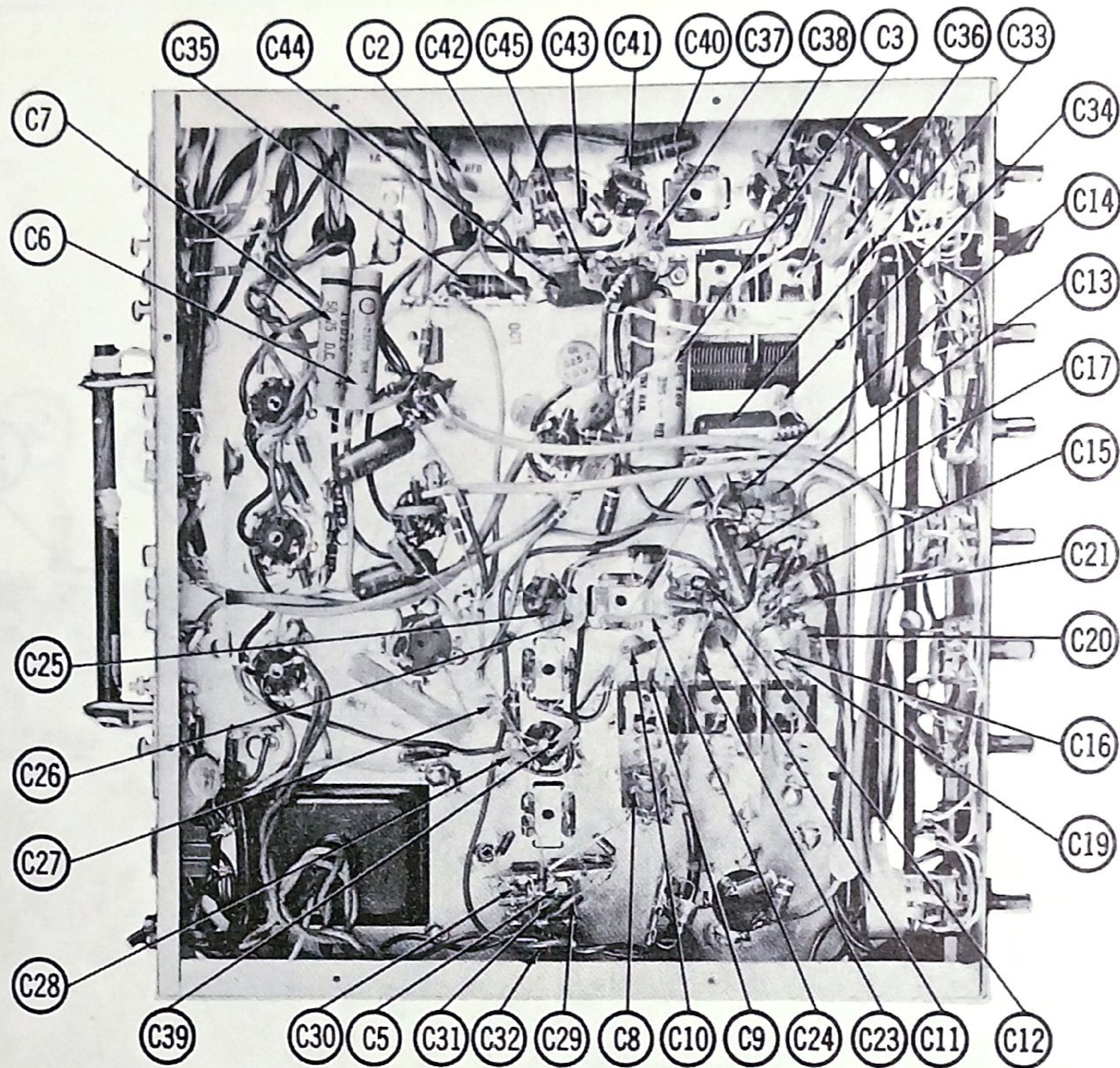
CHASSIS - TOP VIEW



CHASSIS BOTTOM VIEW - RESISTOR IDENT. (R1 - R41)

ERIC MODEL
5760G

FOLDER 6



CHASSIS BOTTOM VIEW - ALIGNMENT, CAPACITOR & MISC. IDENT.

ALIGNMENT INSTRUCTIONS

ALIGNMENT INSTRUCTIONS—READ CAREFULLY BEFORE ATTEMPTING ALIGNMENT	
Use only enough generator output to provide a usable indication.	
Suggested Alignment Tools:	
A1 thru A4, A8 thru A13.....	GENERAL CEMENT #8282, 8606, 8606-L, 9091 WALSCO #2526, 2541, 2542, 2543, 2544
A5.....	GENERAL CEMENT #5003, 8271, 8275, 8276, 8609, 8721, 8722, 9150, 9298 WALSCO #2516, 2518, 2519
A6, A7, A14, A15, A16.....	GENERAL CEMENT #5000, 5003, 5066, 8276, 8290, 9087, 9089 WALSCO #2512, 2525, 2528

AM ALIGNMENT — SELECTOR IN AM POSITION

	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	RADIO DIAL SETTING	INDICATOR	ADJUST	REMARKS
1.	High side thru .1mfd to pin 7 (grid) of AM Converter. Low side to chassis.	455KC (Unmod.)	(AM) Tuning gang fully open.	DC probe of VTVM to point ⓐ , common to chassis.	A1, A2, A3, A4	Adjust for maximum deflection.
2.	Fashion loop of several turns of wire and radiate signal into loop of receiver.	1800KC	1800KC	"	A5	"
3.	"	590KC	590KC	"	A6	Adjust for maximum deflection while rocking tuning gang. Repeat step 2.
4.	"	1450KC	1450KC	"	A7	"

FM IF ALIGNMENT USING AM SIGNAL GENERATOR AND VTVM — SELECTOR IN FM POSITION

	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	RADIO DIAL SETTING	INDICATOR	ADJUST	REMARKS
5.	High side to pin 1 (grid) of FM Mixer. Low side to chassis.	10.7MC (Unmod.)	(FM) Point of non-interference.	DC probe of VTVM to point ⓑ , common to chassis.	A8, A9, A10, A11, A12	Adjust for maximum deflection.
6.	"	"	"	DC probe to point ⓒ , common to chassis.	A13	Adjust for zero reading. A positive and negative reading will be obtained on either side of the correct setting.

FM IF ALIGNMENT USING FM SIGNAL GENERATOR AND OSCILLOSCOPE — SELECTOR IN FM POSITION

Use frequency modulated signal with 60% modulation and 450KC sweep. Use 120v sawtooth voltage in scope for horizontal deflection.

	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	RADIO DIAL SETTING	INDICATOR	ADJUST	REMARKS
5.	High side to pin 1 (grid) of FM Mixer. Low side to chassis.	10.7MC (450KC Sweep)	(FM) Point of non-interference.	Vert. amp. of scope to point ⓑ , low side to chassis.	A8, A9, A10, A11, A12	Disconnect Stabilizing Capacitor C5. Adjust for maximum gain and symmetry of response similar to Fig. 1 with marker as shown. Reconnect C5.
6.	"	"	"	Vert. amp. to point ⓒ , low side to chassis.	A13	Adjust to place marker at center of crossover lines similar to Fig. 2. SLIGHTLY retouch A8 for maximum amplitude and straightness of crossover lines.

FM RF ALIGNMENT — SELECTOR IN FM POSITION

	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	RADIO DIAL SETTING	INDICATOR	ADJUST	REMARKS
7.	Across FM antenna terminals with 120 Ω in each lead.	88MC (Unmod.)	(FM) 88MC	DC probe of VTVM to point ⓑ , common to chassis.	A14	Adjust for maximum deflection.
8.	"	106MC	106MC	"	A15	"
9.	"	"	"	"	A16	"

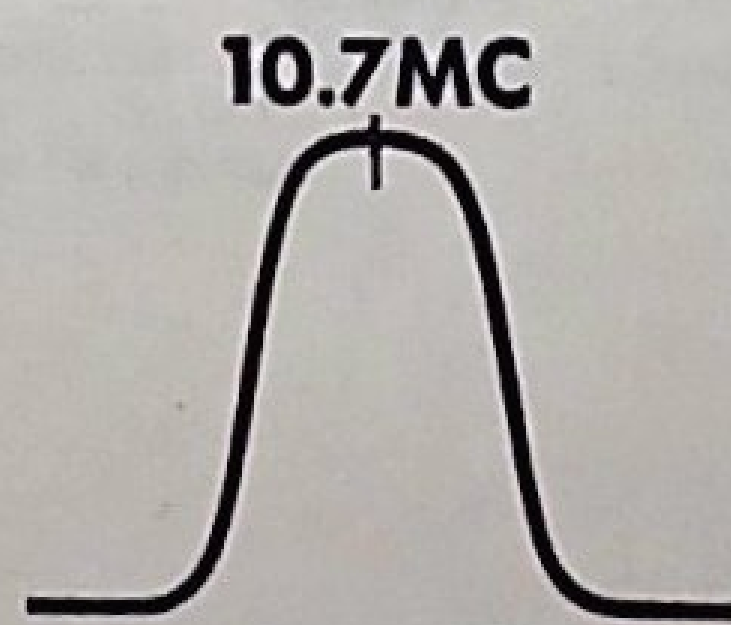


FIG. 1

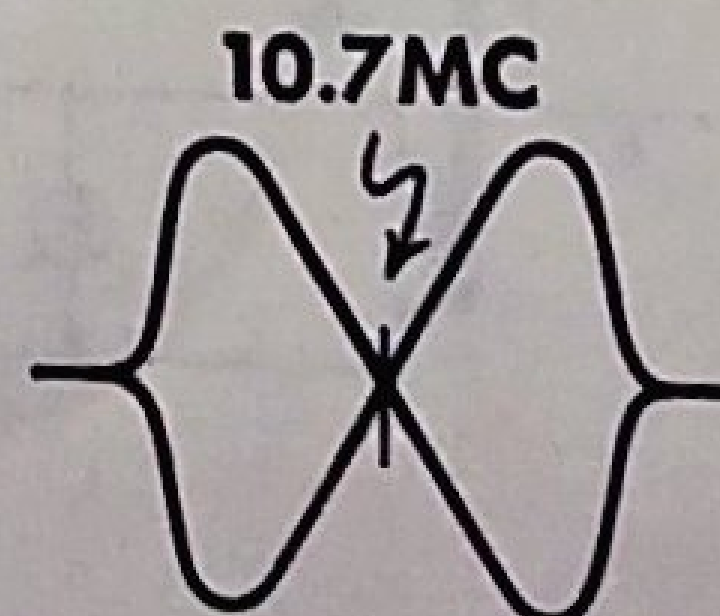
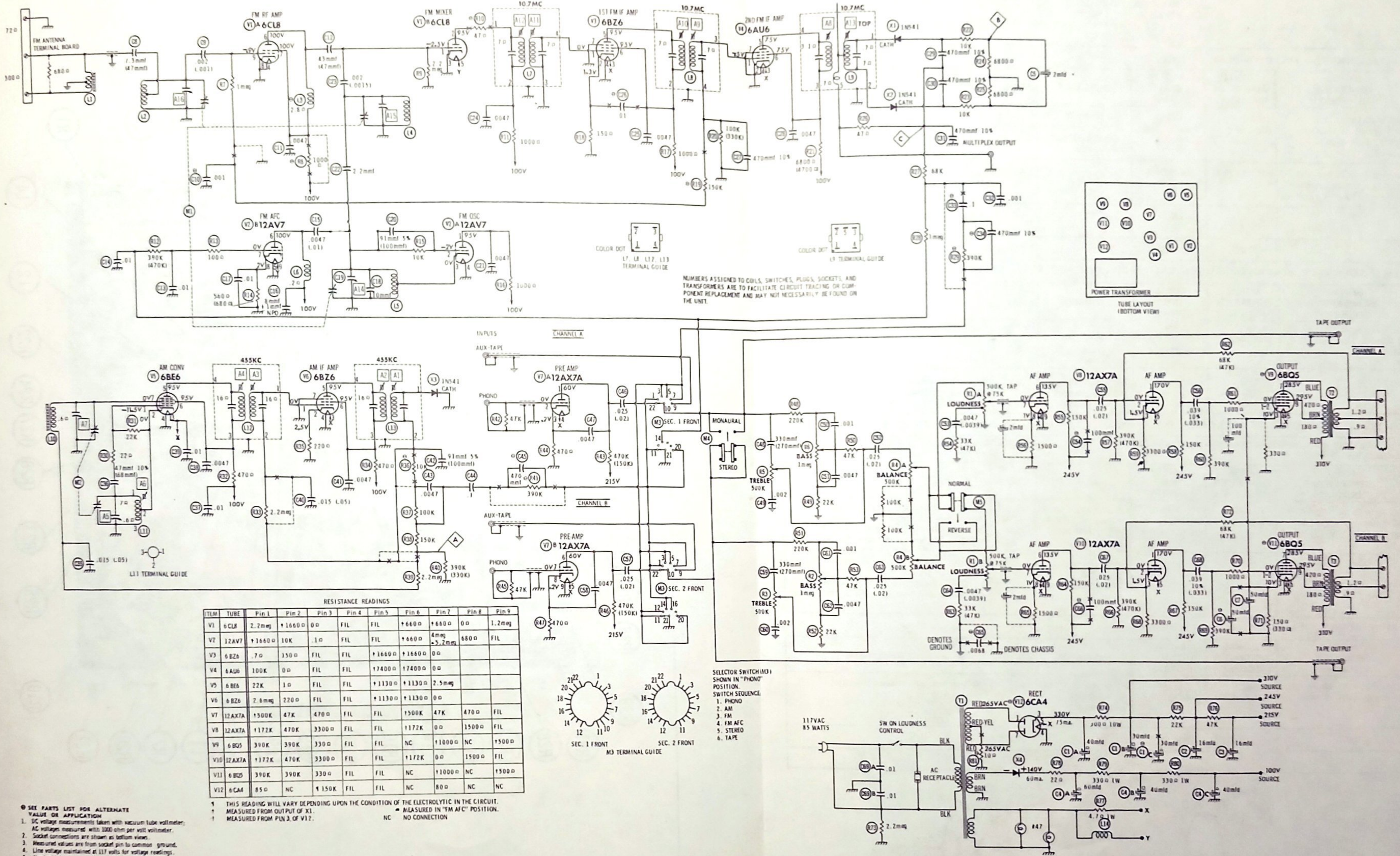


FIG. 2



PARTS LIST AND DESCRIPTION

WIRING DATA

General-use Unshielded Hook-up Wire	Use BELDEN No. 8530 (Solid) Available in 12 Colors 8524 (Stranded) Available in 12 Colors
Power Cord	Use BELDEN No. 17106 (Plastic) or 17126 (Rubber) - 6 Ft. 17109 (Plastic) or 17129 (Rubber) - 9 Ft.
Power Cord (Interlock Type)	Use BELDEN No. 8874 (Rubber) or 8895 (Plastic)

TUBES

* AMPEREX *		GENERAL ELECTRIC		RCA		RAYTHEON		SYLVANIA *	
ITEM No.	USE	TYPE		ITEM No.	USE	TYPE			
V1	FM RF Amp. -FM Mixer	6CL8		V7	Channel A Preamp. -	12AX7A			
V2	FM Osc. -FM AFC	12AV7			Channel B Preamp.				
V3	1st FM IF Amp.	6BZ6		V8	Channel A AF Amp.	12AX7A			
V4	2nd FM IF Amp.	6AU6		V9	Channel A Output	6BQ5 (EL84)*			
V5	AM Converter	6BE6		V10	Channel B AF Amp.	12AX7A			
V6	AM IF Amp.	6BZ6		V11	Channel B Output	6BQ5 (EL84)*			
				V12	Rectifier	6CA4 (EZ81)*			

* Alternate.

POWER RECTIFIERS & SIGNAL DIODES

ITEM No.	CURRENT RATING (Measured)	ORIGINAL Part or Type No.	RECTIFIERS		DIODES	NOTES
			RCA PART No.	SARKES TARZIAN PART No.		
X1	.060A	1N541			Ratio Detector (Matched Pair)	
X2		1N541				
X3		1N541				
X4		26235-1	1N1763	60H		AM Detector Bias Rectifier

ELECTROLYTIC CAPACITORS

ITEM No.	RATING		REPLACEMENT DATA						
	CAP.	VOLT.	ERIC PART No.	AEROVOX PART No.	CORNELL-DUBILIER PART No.	GENERAL ELECTRIC PART No.	MALLORY PART No.	PYRAMID PART No.	SPRAGUE PART No.
C1A	.40	400	}	AFH4-91	D0050	XC3-36	FP444.8	TMQ-4385	TVL-4769.4
C1B	.30	350							
C1C	.30	300							
C2	.16	300			PRSI640	BR16-350	QT1-9	TC64	TD-16-350
C3	.16	300		PRSI640	BR16-350	QT1-9	TC64	TD-16-350	TVA-1607
C4A	.60	200	}	AFH4-01-60	C0194	XC4-65	WP318.77	TMT-3304	TVL-3545
C4B	.40	150							
C4C	.40	150							
C5	.2	15		PTT62	NLW3-15	MT1-1	TT50X2	MLV2-50	TE-1149
C6	.50	25	Note 1	PRSI265	BR50-25	MT1-17	TC29	TD-50-25	TVA-1206
C7	.50	25			PRSI265	BR50-25	MT1-17	TC29	TD-50-25

Note 1. Not used in some versions.

FIXED CAPACITORS

ITEM No.	RATING	REMARKS	REPLACEMENT DATA						
			AEROVOX PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	ELMENCO PART No.	MALLORY PART No.	SPRAGUE PART No.	
C8	7.3	(47) †		DD-7R5	L10V8			GP580	10TS-V75
C9	.002	(.001) †	BPD-002	DD-202	BYA10D5	CCD-202		B-220	5HK-D20
C10	.001	Note 1	BPD-001	DD-102	BYA10D1	CCD-102		B-210	5HK-D10
C11	.0047		BPD-0047	DD-472	BYA10D47M	CCD-472		B-247	5HK-D47
C12	43 5%	(47) †	1469-43	TCZ-43	22R5Q43	CM-20B-430J			MS-443
C13	.01		BPD-01	DD-103	BYA10S1	CCD-103		B-110	5HK-S10
C14	.01		BPD-01	DD-103	BYA10S1	CCD-103		B-110	5HK-S10
C15	.0047	(.01) †	BPD-0047	DD-472	BYA10D47M	CCD-472		B-247	5HK-D47
C16	8 NPO ± 1mmf		NPO-DI 82		C10V8C				10TCC-V82
C17	.01		BPD-01	DD-103	BYA10S1	CCD-103		B-110	5HK-S10
C18	10		DI-10	DD-100	L10Q1	CCD-100		GP410	10TS-Q10
C19									
C20	91 5%	(100) †	1469-91	TCZ-91	22R5Q91	CM-20B-910J			MS-491
C21	.0047		BPD-0047	DD-472	BYA10D47M	CCD-472		B-247	5HK-D47
C22	2.2		NPO-DI 2.2	DTZ-2R2	C10V22C	CCTO-2R2		CNO-522	10TCC-V22
C23	.002	(.0015) †	BPD-002	DD-202	BYA10D2	CCD-202		B-220	5HK-D20
C24	.0047		BPD-0047	DD-472	BYA10D47M	CCD-472		B-247	5HK-D47
C25	.0047		BPD-0047	DD-472	BYA10D47M	CCD-472		B-247	5HK-D47
C26	.01	Note 1	BPD-01	DD-103	BYA10S1	CCD-103		B-110	5HK-S10
C27	470 10%		DI-470	DD-471	L10T47	CCD-471		GP347	10TS-T47
C28	.0047		BPD-0047	DD-472	BYA10D47M	CCD-472		B-247	5HK-D47
C29	470 10%		DI-470	DD-471	L10T47	CCD-471		GP347	10TS-T47
C30	470 10%		DI-470	DD-471	L10T47	CCD-471		GP347	10TS-T47
C31	470 10%		DI-470	DD-471	L10T47	CCD-471		GP347	10TS-T47
C32	.001 400V		P488N-001	DD-102	CUB6D1	6DP-1-102		GEM-421	6TM-D10
C33	.1 200V	Note 1	P288N-1	DF-104	CUB2P1	2DP-3-104		GEM-201	2TM-P10
C34	470 10%	Note 1	DI-470	DD-471	L10T47	CCD-471		GP347	10TS-T47
C35	.015 200V	(.05) †	P288N-015	DD-153	CUB6S15	4DP-1-153		GEM-4115	4TM-S15
C36	47 10%	(68) †	1469-47	DTZ-47	22R5Q47	CM-20B-470K		MCB224	MS-447
C37	.01		BPD-01	DD-103	BYA10S1	CCD-103		B-110	5HK-S10
C38	.0047		BPD-0047	DD-472	BYA10D47M	CCD-472		B-247	5HK-D47
C39	.01		BPD-01	DD-103	BYA10S1	CCD-103		B-110	5HK-S10
C40	.015 400V	(.05) †	P488N-015	DD-153	CUB6S15	4DP-1-153		GEM-4115	4TM-S15
C41	.0047		BPD-0047	DD-472	BYA10D47M	CCD-472		B-247	5HK-D47
C42	91 5%	(100) †	1469-91	TCZ-91	22R5Q91	CM-20B-910J			MS-491
C43	.0047		BPD-0047	DD-472	BYA10D47M	CCD-472		B-247	5HK-D47
C44	.1 200V	Note 1	P288N-1	DF-104	CUB2P1	2DP-3-104		GEM-201	2TM-P10
C45	470 10%	Note 1	DI-470	DD-471	L10T47	CCD-471		GP347	10TS-T47
C46	.025	(.02) †	BPD-03	DD-303	BYB6S3	CCD-303		GP130	5HK-S25
C47	.0047		BPD-0047	DD-472	BYA10D47M	CCD-472		B-247	5HK-D47
C48	330	(270) †	DI-330	DD-331	L10T33	CCD-331		GP333	10TS-T33
C49	.002		BPD-002	DD-202	BYA10D2	CCD-202		B-220	5HK-D20
C50	.001		BPD-001	DD-102	BYA10D1	CCD-102		B-210	5HK-D10
C51	.0047		BPD-0047	DD-472	BYA10D47M	CCD-472		B-247	5HK-D47
C52	.025	(.02) †	BPD-03	DD-303	BYB6S3	CCD-303		GP130	5HK-S25
C53	.0047	(.0039) †	BPD-0047	DD-472	BYA10D47M	CCD-472		B-247	5HK-D47
C54	100	Note 1	1469-100	DTZ-100	22R5T1	CM-20B-101M		MC235	1FM-31
C55	.025	(.02) †	BPD-03	DD-303	BYB6S3	CCD-303		GP130	5HK-S25
C56	.039 400V 10%	(.033) †	P488N-04	DD-403	DPMS6S39	4DP-3-403		PVC414	4TM-S40
C57	.025	(.02) †	BPD-03	DD-303	BYB6S3	CCD-303		GP130	5HK-S25
C58	.0047		BPD-0047	DD-472	BYA10D47M	CCD-472		B-247	5HK-D47
C59	330	(270) †	DI-330	DD-331	BYA10D47M	CCD-472		B-247	5HK-D47
C60	.002		BPD-002	DD-202	BYA10D2	CCD-202		B-220	5HK-D20
C61	.001		BPD-001	DD-102	BYA10D1	CCD-102		B-210	5HK-D10
C62	.0047		BPD-0047	DD-472	BYA10D47M	CCD-472		B-247	5HK-D47
C63	.025	(.02) †	BPD-03	DD-303	BYB6S3	CCD-303		GP130	5HK-S25
C64	.0047	(.0039) †	BPD-0047	DD-472	BYA10D47M	CCD-472		B-247	5HK-D47
C65	.0068	Note 1	BPD-0068	DD-682	BYA10D68	CCD-682		B-268	5HK-D68
C66	100	Note 1	1469-100	DTZ-100	22R5T1	CM-20B-101M		MC235	1FM-31
C67	.025	(.02) †	BPD-03	DD-303	BYB6S3	CCD-303		GP130	5HK-S25
C68	.039 400V 10%	(.033) †	P488N-04	DD-403	DPMS6S39	4DP-3-403		PVC414	4TM-S40
C69A	.01		BPD2-2X-01	DD3-103	BYD6DS1	CCD-103		UAC2X110	5HK-2S10
C69B	.01								

† Alternate Value.
Note 1. Not used in some versions.