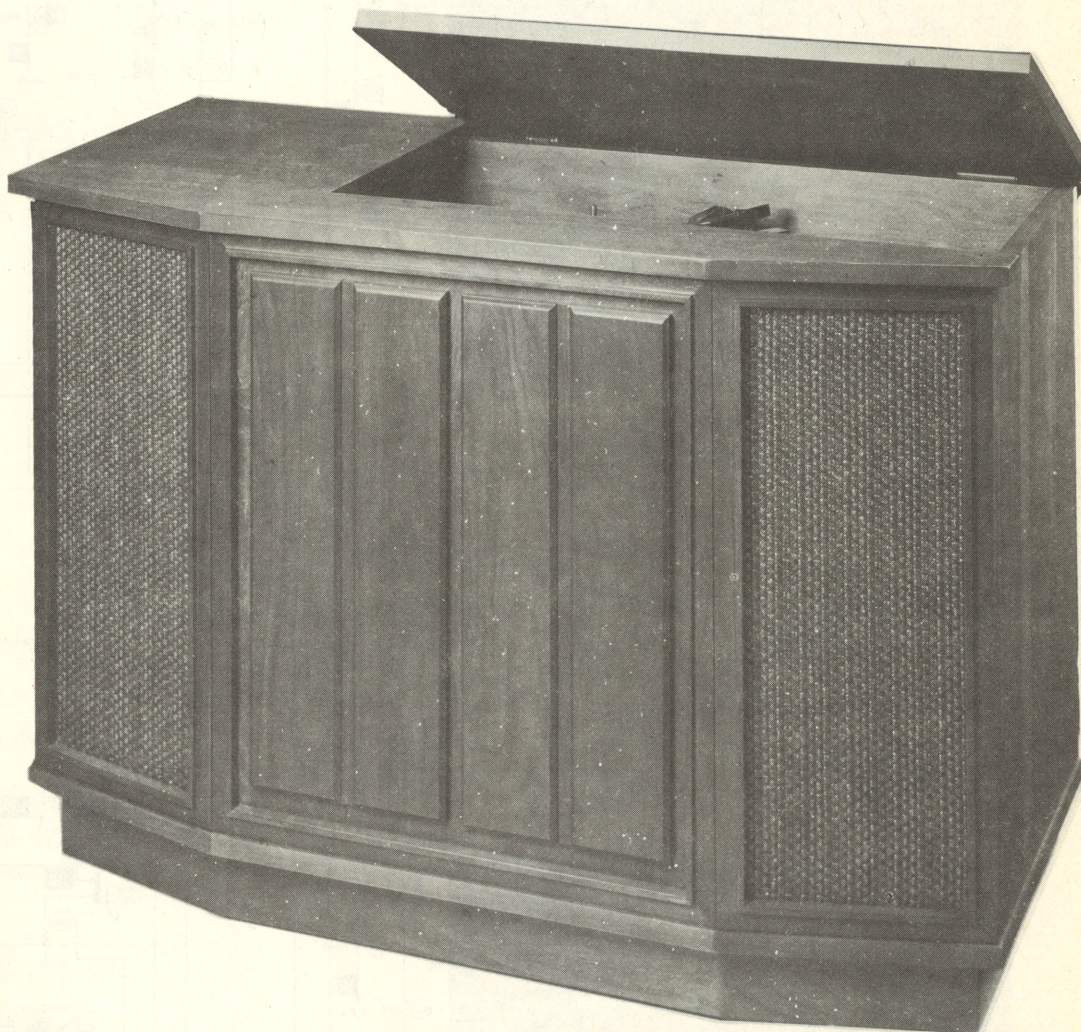


For Supplier Address See PHOTOFACT Index

FOR SERVICE INFORMATION ON RECORD CHANGER -- SEE SIMILAR CHANGER -- PHOTOFACT SET 841 FOLDER 5.

PILOT CHASSIS
123006



PILOT CHASSIS
123006

REMEMBER TO ASK— “What else needs fixing?”

HOWARD W. SAMS & CO., INC. Indianapolis, Indiana 46206

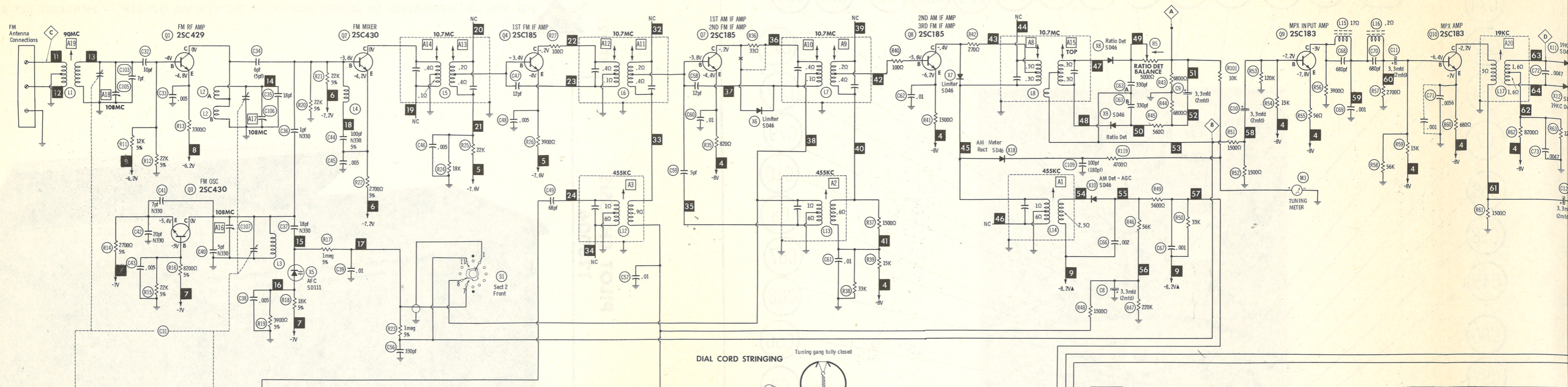


The listing of any available replacement part herein does not constitute in any case a recommendation, warranty or guaranty by Howard W. Sams & Co., Inc., as to the quality and suitability of such replacement part. The numbers of these parts have been compiled from information furnished to Howard W. Sams & Co., Inc., by the manufacturers of the particular type of replacement part listed. UN584

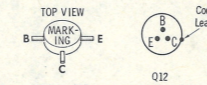
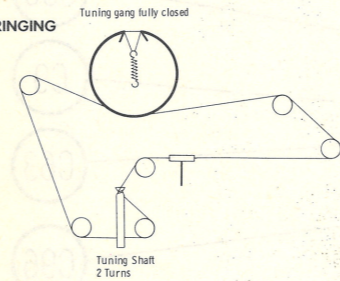
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DATE 9-70

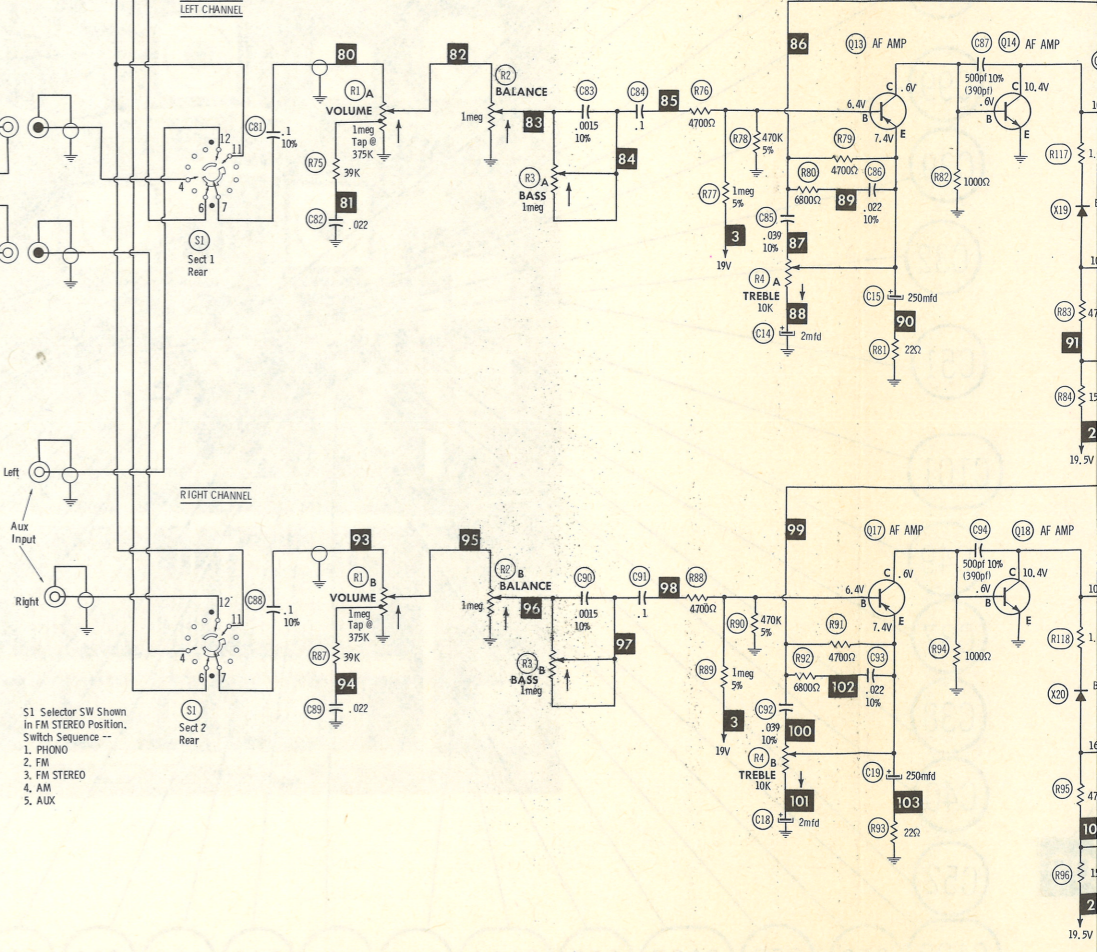
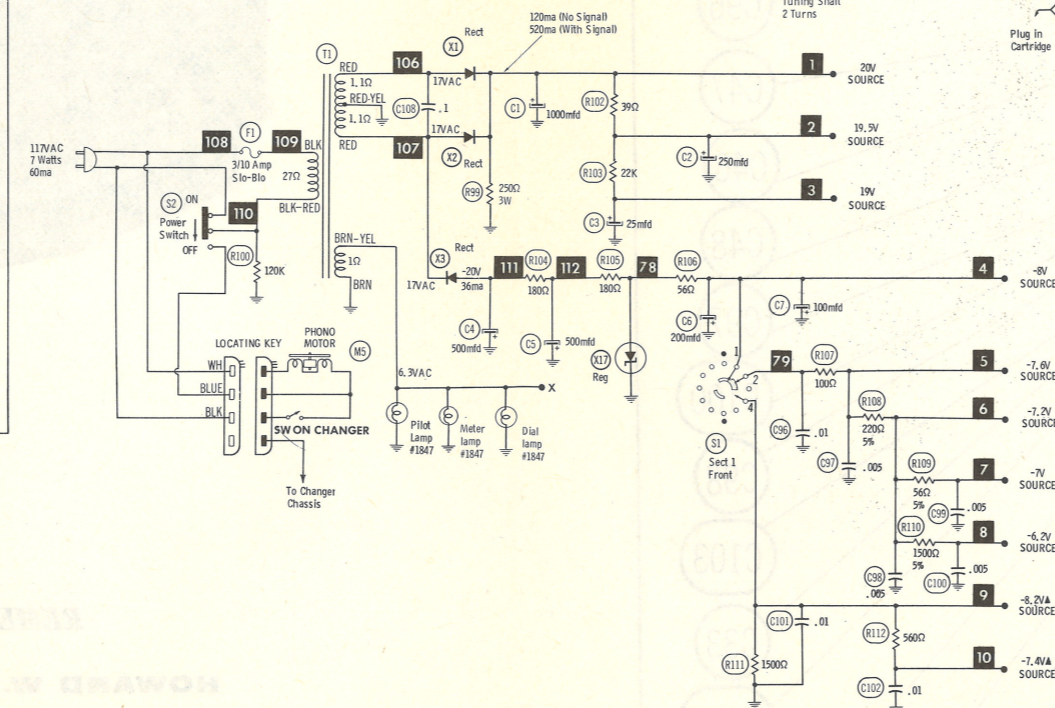
SET 1125 FOLDER 4



DIAL CORD STRINGING

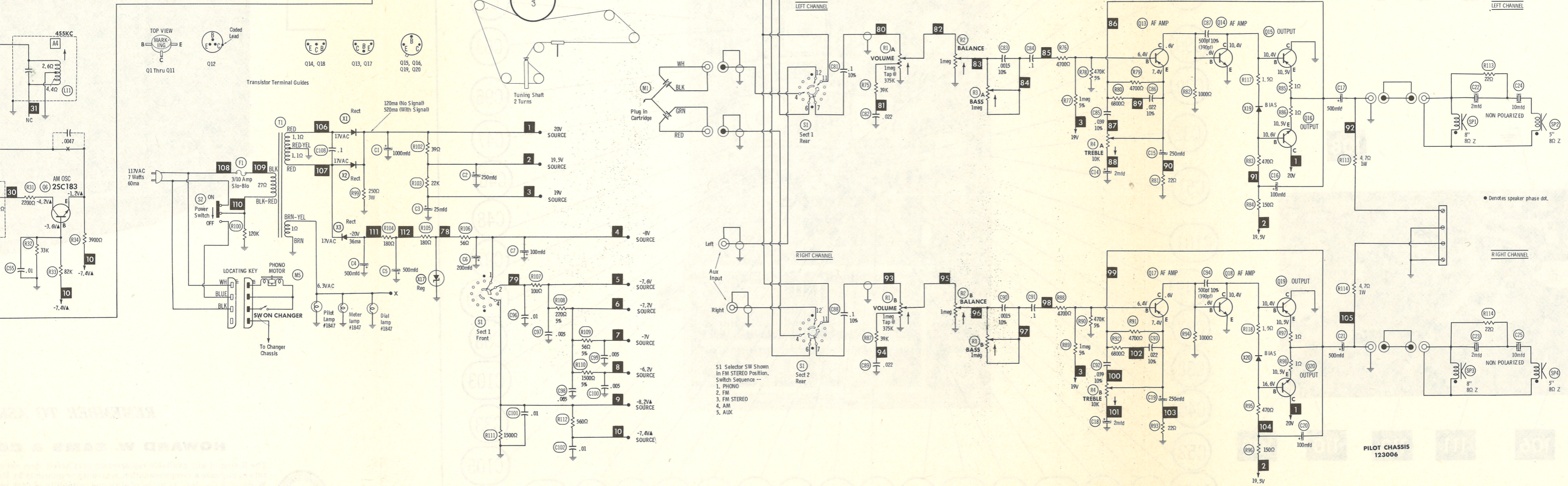


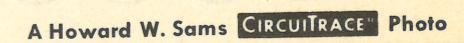
Transistor Terminal Guides

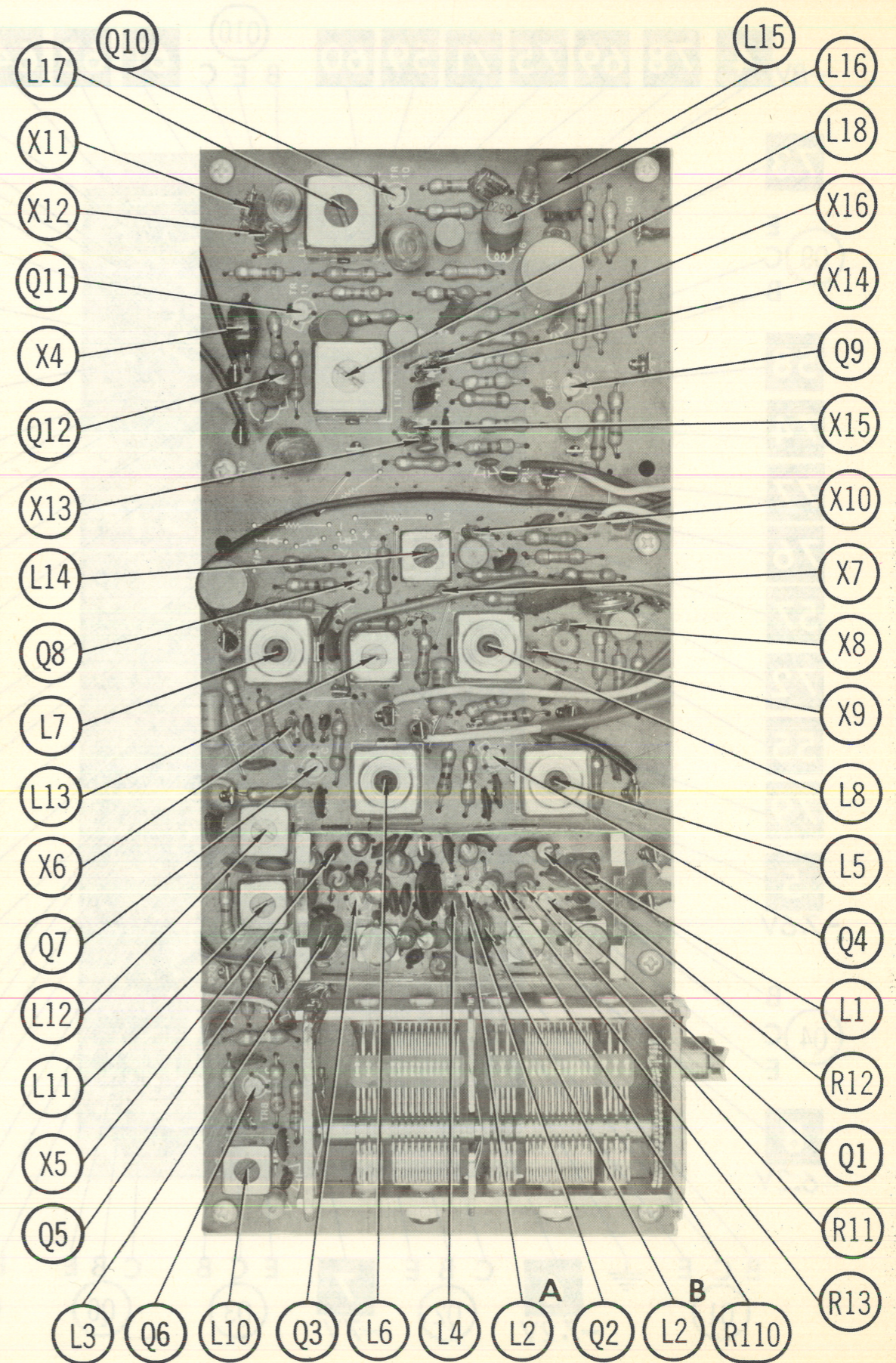
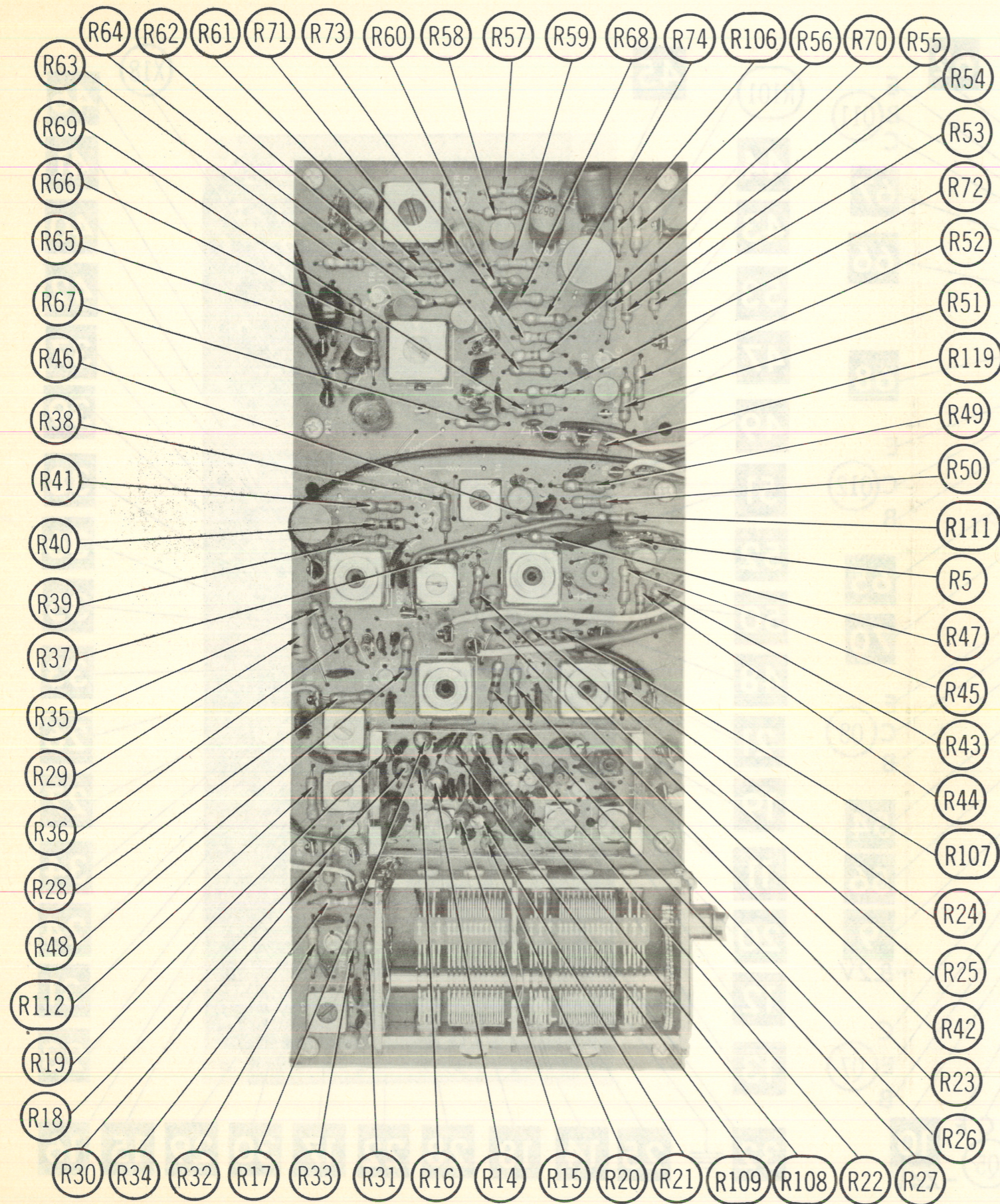


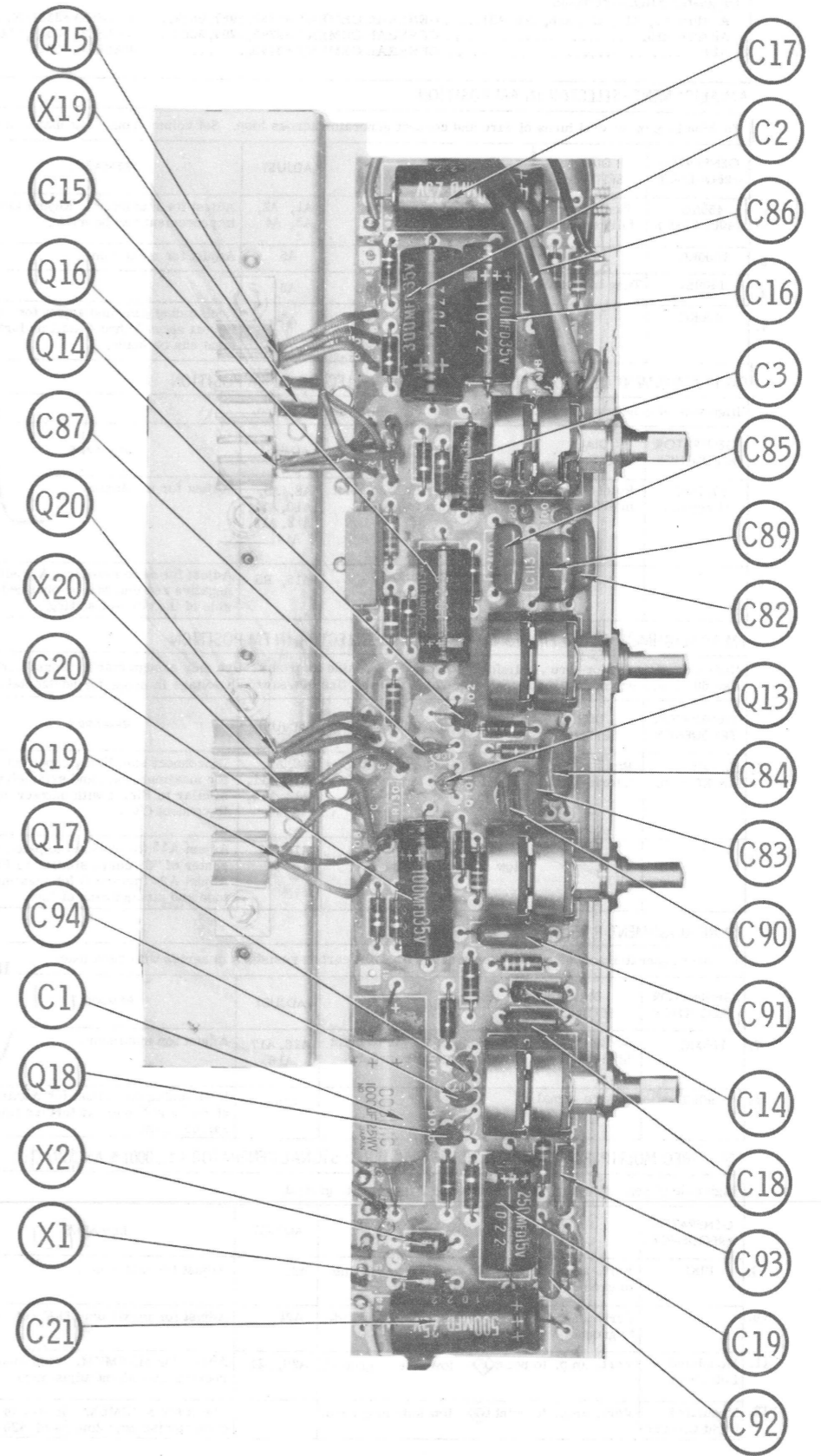
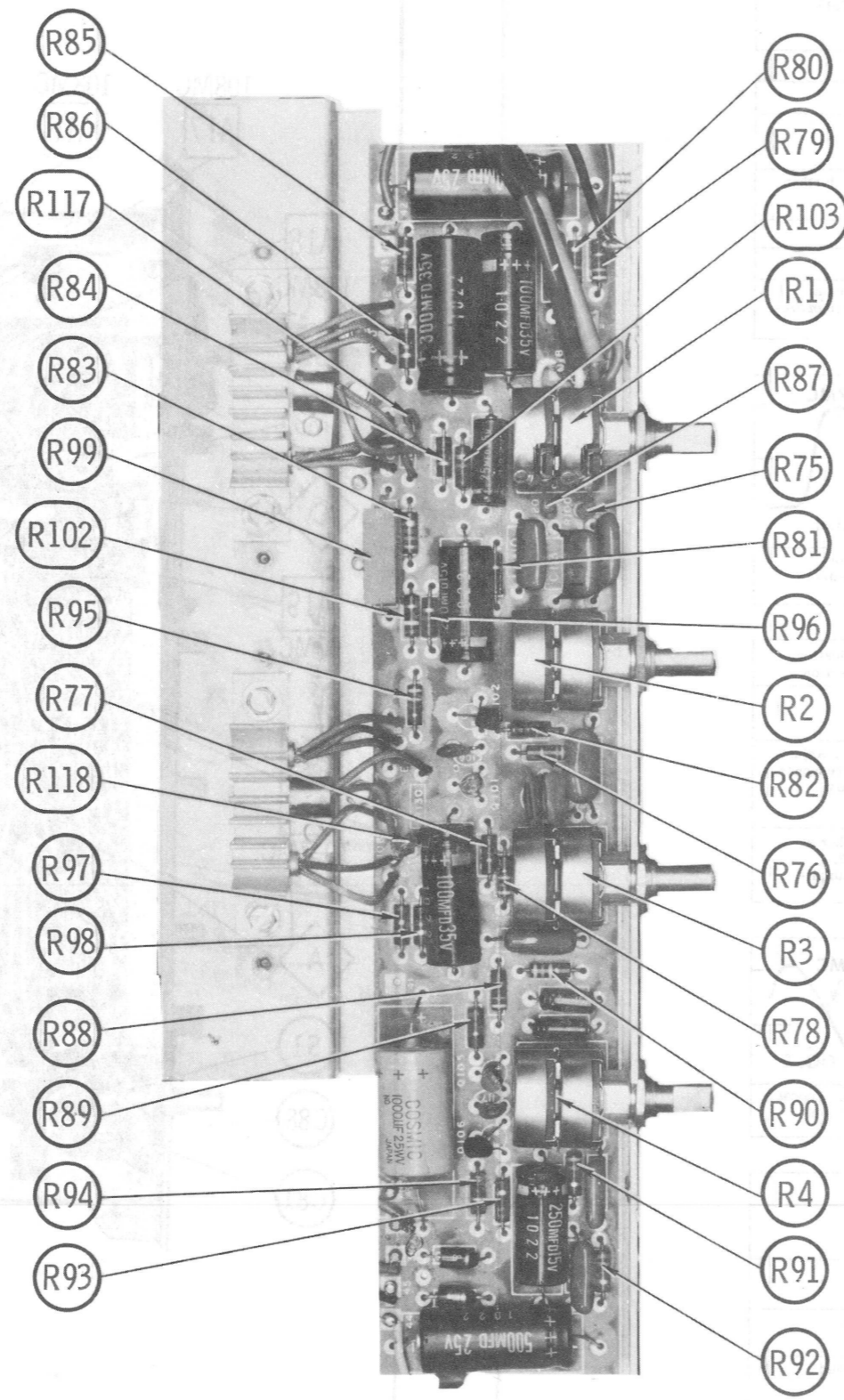
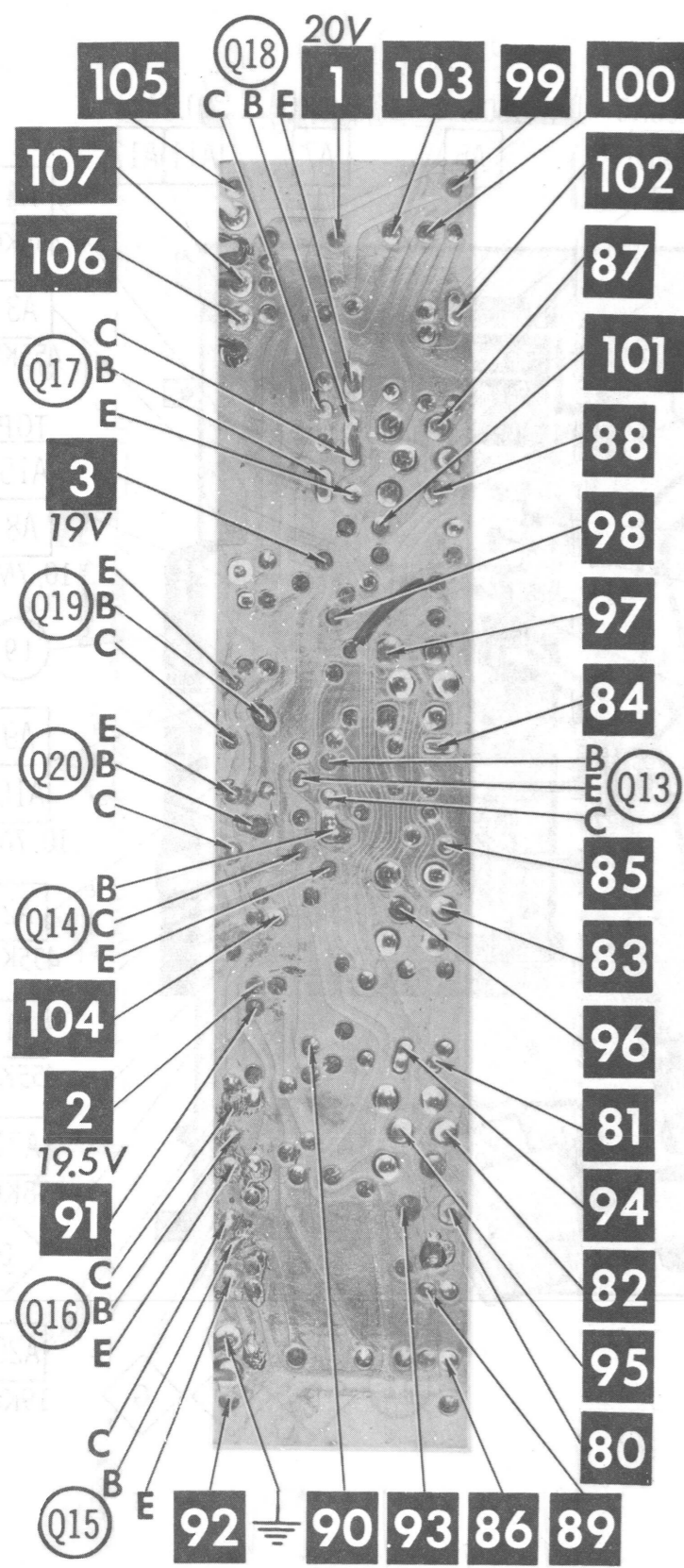
- All voltages measured in FM STEREO position unless otherwise indicated.
 ▲ Measured in AM position.
 ⊕ Denotes ground. (Measurement reference unless otherwise indicated)
 * Not used in some versions.
 ⊙ See parts list.
 1. Controls viewed from actuator end.
 Arrow indicates clockwise rotation.
 2. Resistors are 1/2 watt or less and rated 10% or 20% unless otherwise indicated.
 3. Voltage and resistance readings taken with a VTVM.
 4. Supply voltage maintained at rated value for voltage measurements.
 5. All controls set for normal operation, no signal applied.
 6. Measured values are from socket pin or terminal to common ground.
 7. All terminals viewed from bottom unless otherwise indicated.
 8. Numbers assigned to terminals may not be found on the unit.
 9. Resistance measurements not given because of the wide variation in internal resistance of the transistor.

A PHOTOFAC STANDARD NOTATION SCHEMATIC
 with CIRCUITRACE
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PILOT CHASSIS
123006

FOLDER 4

ALIGNMENT INSTRUCTIONS


Maintain line voltage at 117 volts. Use only enough generator output to obtain a suitable indication. Allow a 15 minute warmup for receiver and equipment.
CAUTION: Use isolation transformer, if available. If not, observe polarity when connecting test equipment.
Suggested Alignment Tools:
A1 thru A7, A16, A17, A18, A20, A21..... GENERAL CEMENT #8868, 8987, 9089.... WALSCO #2531-X, 2541, 2587
A8 thru A15..... GENERAL CEMENT #9296, 9297, 9300.... WALSCO #2510, 2546, 2547
A19..... GENERAL CEMENT #9440..... WALSCO #2501



AM ALIGNMENT - SELECTOR IN AM POSITION

Fashion loop of several turns of wire and connect generator across loop. Set volume control at maximum.

GENERATOR FREQUENCY	DIAL SETTING	INDICATOR	ADJUST	REMARKS
1. 455KC (400v Mod.)	Tuning gang fully open.	Output meter across voice coil.	A1, A2, A3, A4	Adjust for maximum. Repeat until no further improvement can be made.
2. 1600KC	"	"	A5	Adjust for maximum.
3. 1400KC	Tune to signal.	"	A6	"
4. 600KC	"	"	A7	Rock tuning gang and adjust for maximum. Repeat steps 2 thru 4 until no further improvement can be made.

FM IF ALIGNMENT USING AM SIGNAL GENERATOR - SELECTOR IN FM POSITION

High side of generator thru .001mfd to point , low side to ground.

GENERATOR FREQUENCY	DIAL SETTING	INDICATOR	ADJUST	REMARKS
5. 10.7MC (Unmod.)	Point of non-interference.	DC probe of VTVM to point  , common to ground.	A8, A9, A10, A11, A12, A13, A14	Adjust for maximum.
6. "	"	DC probe to point  , common to ground.	A15, R5	Adjust for zero reading. A positive or negative reading will be obtained on either side of the correct setting.

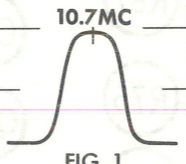





FIG. 1


FM IF ALIGNMENT USING FM SIGNAL GENERATOR - SELECTOR IN FM POSITION

High side of generator thru .001mfd to point , low side to ground. Use only enough marker signal for indication. Use 60v frequency modulated signal with 450KC sweep. Use 60v sawtooth voltage in scope for horizontal deflection.

GENERATOR FREQUENCY	DIAL SETTING	INDICATOR	ADJUST	REMARKS
5. 10.7MC (450KC Swp.)	Point of non-interference	Vert. amp. of scope to point  , low side to ground.	A8, A9, A10, A11, A12, A13, A14	Disconnect stabilizing capacitor C9 . Adjust for maximum gain and symmetry of response similar to Fig. 1 with marker as shown. Reconnect C9 .
6. "	"	Vert. amp. to point  , low side to ground.	A15, R5	Adjust A15 (secondary) to place marker at center of "S" curve similar to Fig. 2. Adjust A8 (primary) for maximum amplitude and straightness of line.

FM RF ALIGNMENT - SELECTOR IN FM POSITION

Connect generator across antenna terminals with 120Ω carbon resistors in series with each lead.

GENERATOR FREQUENCY	DIAL SETTING	INDICATOR	ADJUST	REMARKS
7. 108MC	Set at high end.	DC probe of VTVM to point  , common to ground.	A16, A17, A18	Adjust for maximum.
8. 90MC	Tune to signal.	"	A19	Rock tuning and adjust for maximum. Repeat steps 7 and 8 until no further improvement can be made.

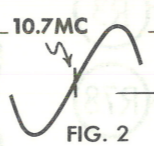





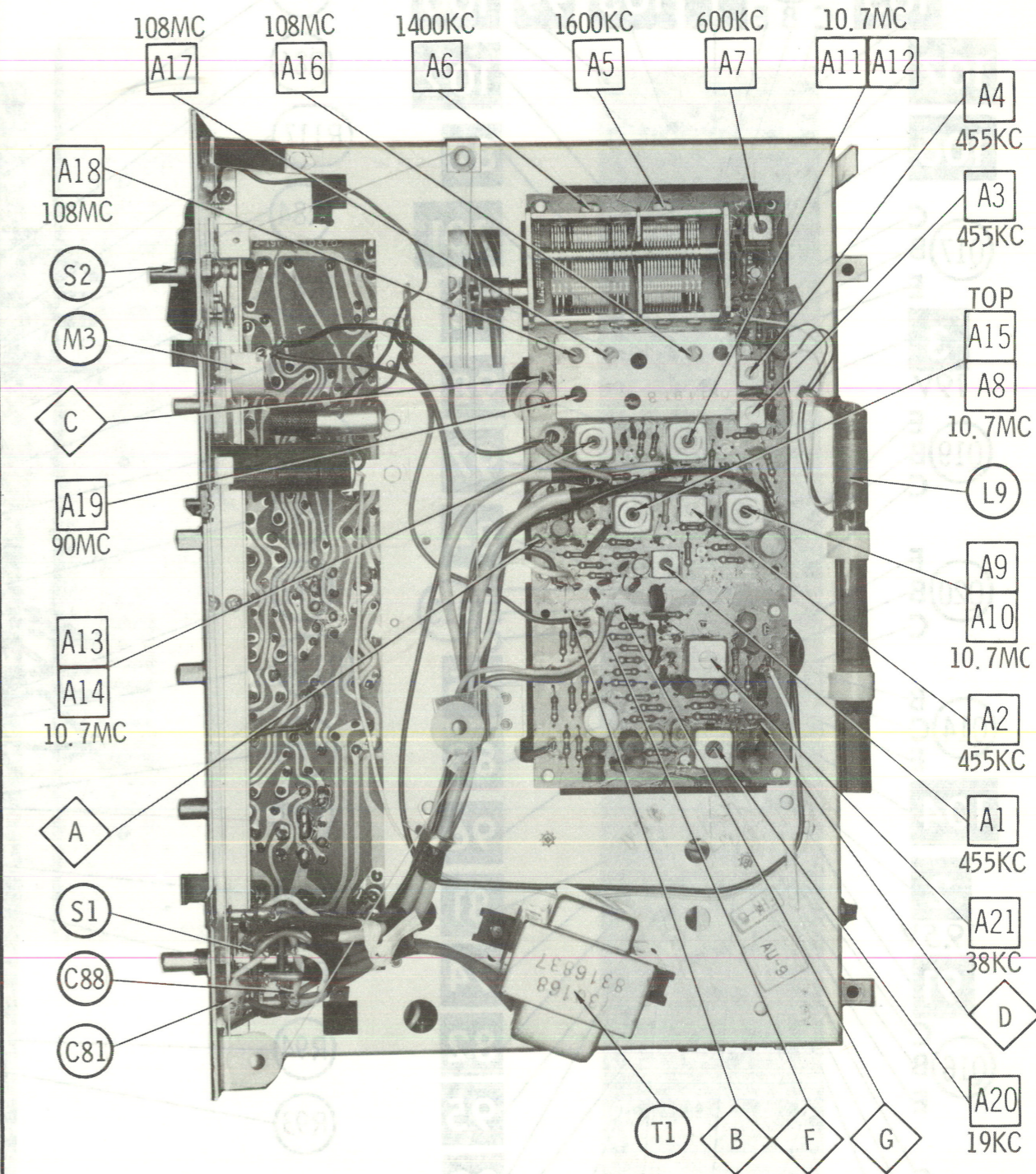


FIG. 2

FM STEREO MULTIPLEX ALIGNMENT USING FM STEREO SIGNAL GENERATOR (±.0001% ACCURACY)

High side of generator thru 47K to point , low side to ground.

GENERATOR FREQUENCY	INDICATOR	ADJUST	REMARKS
9. 19KC	Vert. amp. thru 47K to point  , low side to ground.	A20	Adjust for maximum.
10. "	Vert. amp. thru 47K to point  , low side to ground.	A21	Adjust for maximum 38KC response.
11. Modulated Left Channel	Vert. amp. to point  , low side to ground.	A20, A21	Adjust for MINIMUM. This step should require only slight adjustment.
12. Modulated Right Channel	Vert. amp. to point  , low side to ground.		Check for MINIMUM. If necessary make compromise adjustments of A20 and A21.



PARTS LIST AND DESCRIPTION (CONTINUED)

(When ordering parts, state Model, Part Number, and Description.)

TRANSFORMER (Power)

ITEM No.	RATING			REPLACEMENT DATA				NOTES
	PRI.	SEC. 1	SEC. 2	MFGR. PART No.	STANCOR PART No.	THORDARSON PART No.	TRIAD PART No.	
T1	117VAC @.06AAC	34VAC CT @.52ADC Max.	6.3VAC @.125AAC	730168				

SPEAKER

ITEM No.	TYPE			REPLACEMENT DATA		NOTES
				MFGR. PART No.	QUAM PART No.	
SP1	8"	PM	8 ohms	180408	5A15T	
SP2	5"	PM	8 ohms	180408		

FUSE DEVICES

ITEM No.		DESCRIPTION	REPLACEMENT DATA						
			PART No.		BUSS PART No.		LITTELFUSE PART No.		WORKMAN PART No.
			DEVICE	HOLDER	DEVICE	HOLDER	DEVICE	HOLDER	DEVICE
F1	.3A	S1o-B1o Pigtail	808023		MDV 3/10		315.300		

PHONO CARTRIDGE & NEEDLES

REPLACEMENT DATA										NOTES
ITEM No.	MFGR. PART No.		ASTATIC PART No.		ELECTRO-VOICE PART No.		SONOTONE PART No.			
	CARTRIDGE	NEEDLE	CARTRIDGE	NEEDLE	CARTRIDGE	NEEDLE	CARTRIDGE	NEEDLE		
	M1	820127 (61T-SD)		137d	N50sd					
M2		820129		N160sd						

MISCELLANEOUS

ITEM No.	PART NAME	PART No.	NOTES
M5	Motor	471908	Phono
M6	Meter	510289	Tuning
S1	Switch	510291	Selector (Phono-AM-FM-FM Stereo-Aux)
S2	Switch		Power (On-Off)

CABINETS & CABINET PARTS (When ordering specify model, chassis & color)

ITEM	PART No.	ITEM	PART No.
Calibrated Dial Glass	520343	Knob, Tuning	462983
Dial Pointer	525121	Knob, Control or Switch (5 Used)	462984
Cabinet Back	620708		

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 Feet
17109 (Plastic) or 17129 (Rubber) - 9 Feet
Low-loss Shielded Lead (Interconnecting) Use BELDEN No. 8401 or 8421
Phono Pick-up Arm Cable Use BELDEN No. 8430 (Two Conductor-Unshielded)
8429 (Two Conductor-Shielded)
8419 (Three Conductor-Shielded)

PARTS LIST AND DESCRIPTION

(When ordering parts, state Model, Part Number, and Description.)

TRANSISTORS

ITEM No.	TYPE No.	FUNCTION	REPLACEMENT DATA					
			MFGR. PART No.	GENERAL ELECTRIC PART No.	INTERNATIONAL RECTIFIER PART No.	MOTOROLA PART No.	RCA PART No.	SYLVANIA PART No.
Q1	2SC429	FM RF Amp	982815	GE-17	TR-21	HEP56	SK3018	ECG 108
Q2	2SC430	FM Mixer	982816	GE-17	TR-21	HEP56	SK3018	ECG 108
Q3	2SC430	FM Oscillator	982816	GE-17	TR-21	HEP56	SK3018	ECG 108
Q4	2SC185	1st FM-IF Amp	982817	GE-20	TR-21	HEP56	SK3018	ECG 108
Q5	2SC185	AM Mixer	982818	GE-20	TR-21	HEP56	SK3018	ECG 123A
Q6	2SC183	AM Oscillator	982819	GE-20	TR-21	HEP56	SK3018	ECG 123A
Q7	2SC185	2nd FM-1st AM IF Amp	982817	GE-20	TR-21	HEP56	SK3018	ECG 108
Q8	2SC185	3rd FM-2nd AM IF Amp	982817	GE-20	TR-21	HEP56	SK3018	ECG 108
Q9	2SC183	MPX Input Amp	982819	GE-20	TR-21	HEP56	SK3018	ECG 108
Q10	2SC183	MPX Amp	982819	GE-20	TR-21	HEP56	SK3018	ECG 108
Q11	2SC183	38KC Amp	982819	GE-20	TR-21	HEP56	SK3018	ECG 108
Q12	2SB324	Stereo Ind. Control	982820	GE-2	TR-14	HEP254	SK3004	ECG 102A
Q13		AF Amp	815229	GE-21	TR-30	HEP242	SK3025	ECG 159
Q14		AF Amp	815233	GE-18	TR-25	HEP243	SK3020	ECG 123A
Q15		Output	815232 (4)					ECG 158
Q16		Output						ECG 103A
Q17		AF Amp	815229	GE-21	TR-30	HEP242	SK3025	ECG 159
Q18		AF Amp	815233	GE-18	TR-25	HEP243	SK3020	ECG 123A
Q19		Output	815233 (4)					ECG 158
Q20		Output						ECG 158

(4) Complimentary matched pair.

POWER RECTIFIERS & SIGNAL DIODES

ITEM No.	MFGR. PART OR TYPE No.	REPLACEMENT DATA				NOTES
		GENERAL ELECTRIC PART No.	INTERNATIONAL RECTIFIER PART No.	RCA PART No.	SYLVANIA PART No.	
X1	817195	GE-504A	5A4-D or 18DC2A (3)	SK3030 or SK3031	ECG 116 or ECG 117	(3) A single unit re-replacement for both rectifiers. (4) Matched pair.
X2	817195	GE-504A	5A4-D or 18DC2A (3)	SK3030 or SK3031	ECG 116 or ECG 117	
X3	817195	GE-504A	8D4 or 5A4-D	SK3030 or SK3031	ECG 116 or ECG 117	
X5	982821 (SD111 MA311)					
X6	982822 (SD46)	1N34AS	1N34A	1N34A	ECG 109	Zener
X7	982822 (SD46)	1N34AS	1N34A	1N34A	ECG 109	
X8	982822 (SD46)	1N34AS	1N34A	1N34A	ECG 110 (4)	
X9	982822 (SD46)	1N34AS	1N34A	1N34A		
X10	982822 (SD46)	1N34AS	1N34A	1N34A	ECG 109	
X11	982822 (SD46)	1N34AS	1N34A	1N34A	ECG 109	
X12	982822 (SD46)	1N34AS	1N34A	1N34A	ECG 109	
X13	982822 (SD46)	1N34AS	1N34A	1N34A	ECG 110 (4)	
X14	982822 (SD46)	1N34AS	1N34A	1N34A		
X15	982822 (SD46)	1N34AS	1N34A	1N34A	ECG 110 (4)	
X16	982822 (SD46)	1N34AS	1N34A	1N34A		
X17	817197	GEZD-9.1	1ZM9.1-T10	KD2504	ECG 139	
X19	982822 (SD46)			1N34A	ECG 109	
X19	817198					
X20	817198					

ELECTROLYTIC CAPACITORS

ITEM No.	RATING		REPLACEMENT DATA						
			PILOT PART No.	AEROVOX PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	GENERAL ELECTRIC PART No.	MALLORY PART No.	SPRAGUE PART No.
C1	1000	25V	925725	PRS1295	EA30-1000	WBR1000-35	QT1-31	TC2510	TL-1218
C2	300	35V		PRS1380	EA50-250	WBR300-35		TC50025A	TL-1314
C3	25	25	925727	CRE762A	EA50-25	WBR25-50	MT1-14	MTA25E35	TE-1305.5
C4	25	35V							
C4	500	50V	925730	PRS1390	EA50-500	WBR500-50	QT1-31	TC50050A	TVA-1315
C5	500	25V	925726						
C5	500	50V		PRS1390	EA50-500	WBR500-50	QT1-31	TC50050A	TVA-1315
C6	200	15V	925726						
C6	200	15V	982824	BCD20200	EA15-250	PC200-16	MT1-23	MTV200CK15	TE-1164
C7	100	15V	982844	MCD-180	EP15-100	PC100-16	MT1-19	MTV100CF15	TE-1162
C8	3.3	50V		MCD-40	EP50-2	PC5-100	MT1-3	MTV3CB50	TE-1302
C9	2	15V	982845						
C9	3.3	50V		MCD-40	EP50-2	PC5-100	MT1-3	MTV3CB50	TE-1302
C10	2	15V	982845						
C10	3.3	50V		MCD-40	EP50-2	PC5-100	MT1-3	MTV3CB50	TE-1302
C11	2	15V	982845						
C11	3.3	50V		MCD-40	EP50-2	PC5-100	MT1-3	MTV3CB50	TE-1302
C12	2	15V	982845						
C12	3.3	50V		MCD-40	EP50-2	PC5-100	MT1-3	MTV3CB50	TE-1302
C13	2	15V	982845						
C13	3.3	50V		MCD-40	EP50-2	PC5-100	MT1-3	MTV3CB50	TE-1302
C14	2	15V	982845						
C14	2	10V	925737	CRE750A	EP50-2	PC1-100	MT1-1	MTA1050	TE-1300
C15	250	15V		PRS1210	EA15-250	WBR250-50	QT1-28	MTA250F15	TE-1164.5
C16	250	10V	925728						
C16	100	35V		PTT137	EA50-100	WBR100-35	MT1-20.5	MTA100F35	TE-1309
C17	100	25V	925729						
C17	500	25V	925726	PRS1290	EA30-500	WBR500-35	QT1-30A	TC2505B	TL-1217
C18	2	15V		CRE750A	EP50-2	PC1-100	MT1-1	MTA1050	TE-1300
C18	2	10V	925737						

PARTS LIST AND DESCRIPTION (CONTINUED)

(When ordering parts, state Model, Part Number, and Description.)

ELECTROLYTIC CAPACITORS (cont)

ITEM No.	RATING	REPLACEMENT DATA						
		PART No.	AEROVOX PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	GENERAL ELECTRIC PART No.	MALLORY PART No.	SPRAGUE PART No.
C19	250 15V	925728	PRS1210	EA15-250	WBR250-50	QT1-28	MTA250F15	TE-1164.5
C20	250 10V		PTT137	EA50-100	WBR100-35	MT1-20.5	MTA100F35	TE-1309
C21	100 35V							
C22	100 25V	925729						
C23	500 25V	925726	PRS1290	EA30-500	WBR500-35	QT1-30A	TC2505B	TL-1217
C24	2 25NP	925723	PRS7300		BRNP2-50		TCN502	TVAN-1202
C25	2 25NP	925723	PRS7300		BRNP2-50		TCN502	TVAN-1202
C26	10 25NP	925722	PRS7315		BRNP10-400	NPQT-3	TCN5010	TVAN-1204.1
C27	10 25NP	925722	PRS7315		BRNP10-400	NPQT-3	TCN5010	TVAN-1204.1

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.
C31	10	#982841	NPO-DI 10	DTZ-10	NP010	CCTO-100	CN0410	10TCC-Q10
C32	.005		TTP-005	CK-502	MGP005	CCD-502	TA250	TG-D50
C33	6			DD-060	NP06			10TCC-V56
C34	18			TCZ-18	NP018	CCTO-180	CN0418	10TCC-Q18
C35	1					*	*	
C36	1	N330				*	*	10TCS-Q18
C37	18	N330				*	*	TG-D50
C38	.005		TTP-005	CK-502	MGP005	CCD-502	TA250	TG-S10
C39	.01		TTP-01	CK-103	MGP01	CCD-103	TA110	10TCS-V50
C40	5	N330				*	*	10TCS-V68
C41	7	N330				*	*	10TCS-Q20
C42	20	N330				*	*	TG-D50
C43	.005		TTP-005	CK-502	MGP005	CCD-502	TA250	10TCS-T10
C44	100	N330 5%	TTP-005	CK-502	MGP005	CCD-502	TA250	TG-D50
C45	.005		TTP-005	CK-502	MGP005	CCD-502	TA250	TG-D50
C46	.005		TTP-005	CK-502	NP012	CCTO-120	CN0412	10TCC-Q12
C47	12			TCZ-12	NP012	CCD-502	TA250	TG-D50
C48	.005		TTP-005	CK-502	MGP005	CCTO-680	CN0468	10TCC-Q68
C49	68		NPO-DI 68	DTZ-68	NP068	CCTO-680	CN0568	10TCC-V68
C50	7		NPO-DI 6.8	DTX-68	NP07	1DP-1-223	PVC1122	225P22391
C51	.022	50V	V1612S22		DPMS6S22	CCD-472	JF247	10TS-D47
C52	.0047		GPD X5R332K	DD-472G	GP4700	CCD-472	JF247	10TS-D47
C53	.0047		GPD X5R332K	DD-472G	GP4700	*	*	10TCS-V68
C54	7	N330						TG-S10
C55	.01		TTP-01	CK-103	MGP01	CCD-103	TA110	10TS-T33
C56	330		GPD X5F331K	DD-331	GP330	CCD-331	TA110	TG-S10
C57	.01		TTP-01	CK-103	MGP01	CCD-103	TA110	10TCC-Q12
C58	12			TCZ-12	NP012	CCTO-120	CN0412	10TCC-V50
C59	5		NPO-DI 5.0	DTZ-4R7	NP05	CCTO-050	CN0547	TG-S10
C60	.01		TTP-01	CK-103	MGP01	CCD-103	TA-110	TG-S10
C61	.01		TTP-01	CK-103	MGP01	CCD-103	TA110	TG-S10
C62	.01		TTP-01	CK-103	MGP01	CCD-103	TA110	TG-S10
C63A	330		CPR-330J	CPR-330J	CD15F331J500	DM-15-331J	SX333	MS-333
C64	330		CPR-330J	CPR-330J	CD15F331J500	DM-15-331J	SX333	MS-333
C65	.002		GPD X5F202K	DM-202	GP2000	CCD-202	GP220	2SS-D20
C66	.002		GPD X5F102K	DM-102	GP1000	CCD-102	SM210	2SS-D10
C67	.001			DM-16-681J	CD19F681J500	DM-16-681J	SX368	MS-368
C68	.001			CPR-1000J	CD19F102J500	DM-19-102J	SC368	MS-368
C69	.001			CPR-680J	CD19F681J500	DM-16-681J	SX368	MS-368
C70	.001			CPR-5600J		DM-20-562J	SX256	MS-256
C71	.0056			CPR-4700J	DPMS6D47	6DP-1-472	PVC6247	225P47291
C72	.0047		V1612D47	CPR-4700J	DPMS6D47	6DP-1-472	PVC6247	225P47291
C73	.0047	50V	V1612D47	CPR-4700J	DPMS6D47	6DP-1-472	PVC6247	225P47291
C74	.0047		V1612D47	CPR-4700J	DPMS6D47	6DP-1-472	PVC6247	225P47291
C75	.0047	50V	V1612D47	CPR-4700J	DPMS6D47	6DP-1-472	PVC6247	225P47291
C76	.0047	50V	V1612D47	CPR-4700J	DPMS6D47	6DP-1-472	PVC6247	225P47291
C77	.0047	50V	V1612D47	CPR-4700J	DPMS6D47	6DP-1-472	PVC6247	225P47291
C78	.0047	50V	V1612D47	CPR-4700J	DPMS6D47	6DP-1-472	PVC6247	225P47291
C79	.0033		V1614D33	CPR-3300J	DMF6D33	6DP-1-332	PVC6233	225P33291
C80	.0033		V1614D33	CPR-3300J	DMF6D33	6DP-1-332	PVC6233	225P33291
C81	.1	250V 10%	DBE4P1		DPMS4P1	4DP-3-104	PVC401	4PS-P10
C82	.022		V1612S22		DPMS6S22	1DP-1-223	PVC1122	225P22391WD
C83	.0015	10%	GPD X5F152K	DD-152		CCD-152	GP215	10TS-D15
C84	.1	100V	DBE2P1			1DP-2-104	PVC101	225P10491
C85	.039	100V 10%	DBE6S39		DPMS6S39	6DP-3-393	PVC6139	225P39391
C86	.022	100V 10%	V1612S22		DPMS6S22	1DP-1-223	PVC1122	225P22391
C87	500	10%	GPD X5F501K	DM-501	GP500	CCD-501	GP350	10TS-T50
C88	.1	250V 10%	DBE4P1		DPMS4P1	4DP-3-104	PVC401	4PS-P10
C89	.022	100V	V1612S22		DPMS6S22	1DP-1-223	PVC1122	225P22391WD
C90	.0015	10%	GPD X5F152K	DD-152		CCD-152	GP215	10TS-D15
C91	.1	100V	DBE2P1			1DP-2-104	PVC101	225P10491
C92	.039	100V 10%	DBE6S39		DPMS6S39	6DP-3-393	PVC6139	225P39391
C93	.022	100V 10%	V1612S22		DPMS6S22	1DP-1-223	PVC1122	225P22391
C94	500	10%	GPD X5F501K	DM-501	GP500	CCD-501	GP350	10TS-T50
C95	.01		TTP-01	CK-103	MGP01	CCD-103	TA110	TG-S10
C96	.005		TTP-005	CK-502	MGP005	CCD-502	TA2500	TG-D50
C97	.005		TTP-005	CK-502	MGP005	CCD-502	TA2500	TG-D50
C98	.005		TTP-005	CK-502	MGP005	CCD-502	TA2500	TG-D50
C99	.005		TTP-005	CK-502	MGP005	CCD-502	TA2500	TG-D50
C100	.005		TTP-005	CK-502	MGP005	CCD-502	TA2500	TG-D50
C101	.01		TTP-01	CK-103	MGP01	CCD-103	TA110	TG-S10
C102	.01		TTP-01	CK-103	MGP01	CCD-103	TA110	TG-S10

PARTS LIST AND DESCRIPTION (CONTINUED)

(When ordering parts, state Model, Part Number, and Description.)

CAPACITORS (cont)

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.
C103	7	#982842 #982842 #982842	NPO-DI 6.8	DTZ-6R8	NP07	CCTO-6R8	CN0568	10TCC-V68
C104	330 50V			CPR-330J	CD15F331J500	DM-15-331J	SX333	MS-333
C105								
C106								
C107								
C108	.1 100V		DBE2P1		DPMS2P1	1DP-2-104	PVC101	225P10491
C109	100		GPD X5F101K	DD-101	GP100	CCD-101	GP310	10TS-T10
C110	.001		GPD X5F102K	DM-102	GP1000	CCD-102	SM210	2SS-D10
C111	.001		GPD X5F102K	DM-102	GP1000	CCD-102	SM210	2SS-D10

* Not normally in distributor's stock. Available thru distributor on order to manufacturer. #PILOT part number.

CONTROLS (All wattages 1/2 watt, or less, unless listed)

ITEM No.	FUNCTION	RESIST-ANCE	REPLACEMENT DATA				
			MFGR. PART No.	CENTRALAB PART No.	CLAROSTAT PART No.	CTS-IRC PART No.	MALLORY PART No.
R1a	Volume, Left	1meg 375K Tap	391050	F12-1meg, R12-1meg, SF102, CPL-2, BA006, CA005		QCB2 (1), B13-137X, B13-137X, TM5, QCM, QCN or [BU3, CF44T, CR32T, SS1, SS7A, QCN, DC1]*	P16T55, 3012, SH3250, RU16T55, CS3500
b	Volume, Right	1meg 375K Tap					
R2a	Balance, Left	1meg	391051	F2-1meg, R3-1meg, SF102, CPL-2, BA006, CA005		QCB2 (1), B13-137, B17-137, TM5, QCM, QCN or [BU3, CF26, CR44, SS1, SS7A, QCN, DC1]*	P16A, 3012, SH3250, RU16R, CS3500
b	Balance, Right	1meg					
R3a	Bass, Left	1meg	391052	F3-1meg, R3-1meg, SF102, CPL-2, BA006, CA005		QCB2 (1), B17-137, B17-137, TM5, QCM, QCN or [BU3, CF65, CR44, SS1, SS7A, QCN, DC1]*	P16R, 3012, SH3250, RU16R, CS3500
b	Bass, Right	1meg					
R4a	Treble, Left	10K	391053	F5-10K, R5-10K, SF102, CPL-2, BA006, CA005		QCB2 (1), B17-116, B17-116, TM5, QCM, QCN or [BU3, CF35, CR26, SS1, SS7A, QCN, DC1]*	P14R, 3012, SH3250, RU14R, CS3500
b	Treble, Right	10K					
R5	Ratio Detector Balance	5000	982843	T-5000 (2) or TSV-5K (2)		X201R502B (2)	MTC53L1 (2)

(1) Use QCB2 Bushing instead of Tab Mount Plate in TM5 Kit.

(2) Cut off one of the outside terminals.

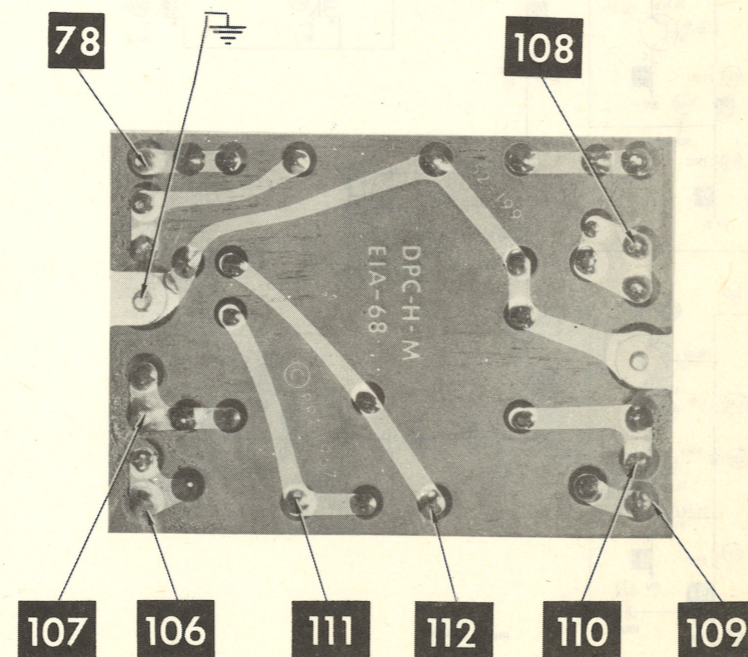
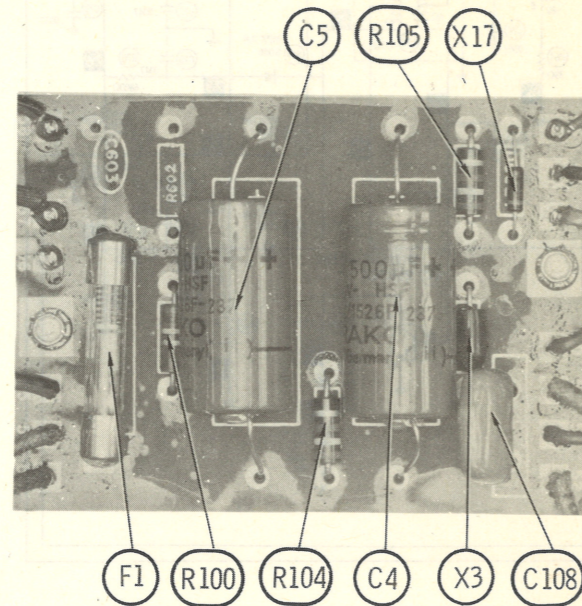
* "SNAPTROL".

COILS (RF-IF)

ITEM No.	USE	REPLACEMENT DATA			
		PART No.	MEISSNER PART No.	MILLER PART No.	WORKMAN PART No.
L1	FM Antenna				
L2a	FM RF				
b	FM RF				
L3	FM Oscillator	982827			
L4	10.7MC Trap	982829			
L5	FM Input IF	982830			
L6	FM Interstage IF	982830			
L7	FM Interstage IF	982830			
L8	Ratio Detector	982831			
L9	Loopstick	982846			
L10	AM Oscillator	982834			
L11	AM Mixer	982832	16-9026	2066	
L12	AM Input IF	982833	16-9027	2067	
L13	AM Interstage IF	982835	16-9027	2067	
L14	AM Output IF	982836	16-9028	2068	
L15	67KC Trap	982837			
L16	72KC Trap	982838			
L17	19KC	982839			
L18	38KC Output	982840			

RESISTORS (Power and Special)

ITEM No.	RATING	REPLACEMENT DATA		ITEM No.	RATING	REPLACEMENT DATA	
		WORKMAN PART No.	MFGR. PART No.			WORKMAN PART No.	MFGR. PART No.
R99	250 3W	5W-SQ250	397251				



A Howard W. Sams CIRCUITRACE™ Photo

