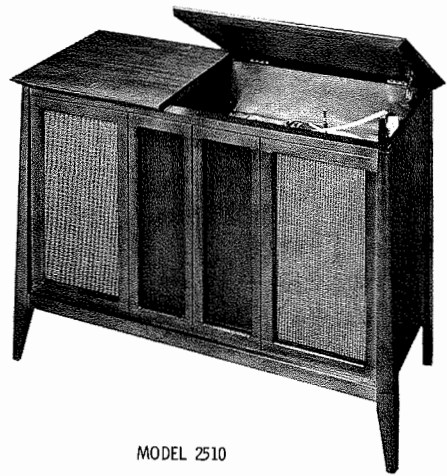


PHOTOFACT® Folder

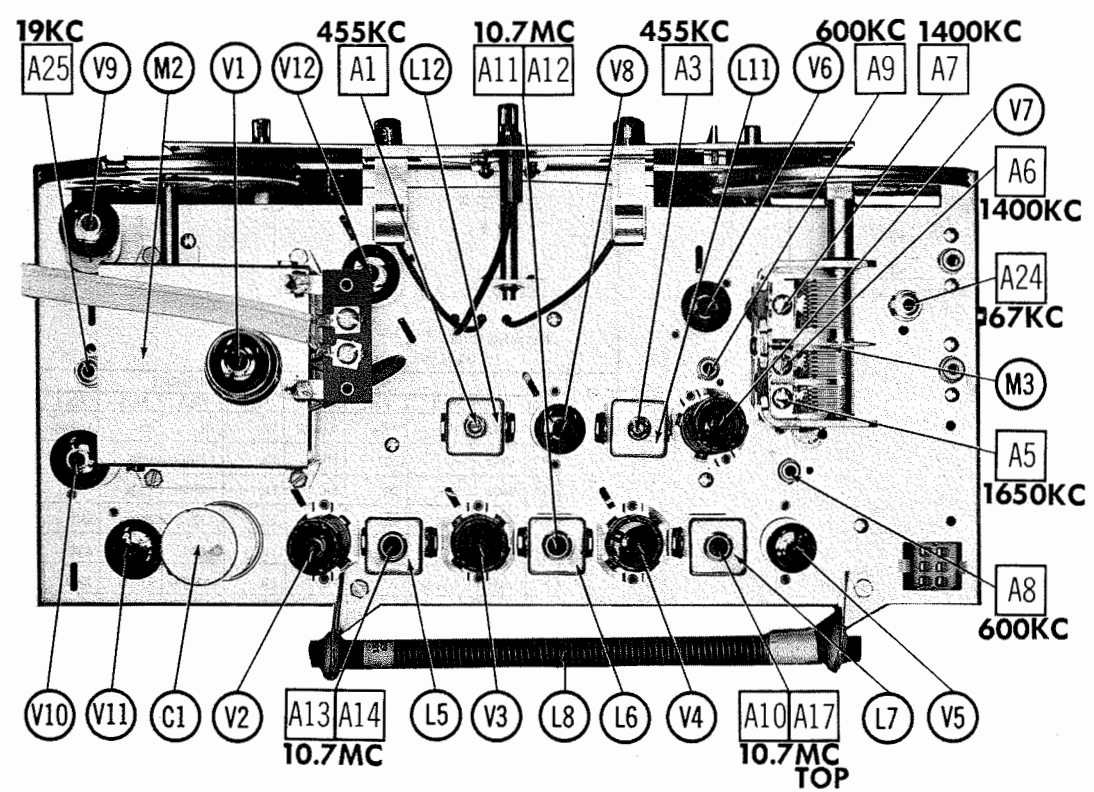
AMBASSADOR MODELS 2265, 2510/12, 2665, 2774/78, 2814, 3526/28, 8210/12



MODEL 2510

TRADE NAME	Ambassador Models 2265, 2510, 2512, 2665, 2774, 2778, 2814, 8210, 8212, (Tuner Ch. 9064)(Amp. Ch. 17) Models 3526, 3528 (Tuner Ch. 9064) (Amp. Ch. 18)
SUPPLIER	Allied Purchasing Corp., 401 5th Ave., N. Y. 16, N. Y.
TYPE SET	AC Operated 12 Tube AM-FM-FM Stereo Receiver with 4 Tube Stereo Amplifier (Ch. 17) 6 Tube Stereo Amplifier (Ch. 18) with 4 Speed Automatic Record Changer
POWER SUPPLY	105-120 Volts AC, 60 Cycles RATING 100 Watts, .920 A@ 117 Volts AC (Tuner & Amp. Ch. 17) 136 Watts, 1.3A@ 117 Volts AC (Tuner & Amp. Ch. 18)
TUNING RANGE	BROADCAST 525-1650KC FREQ MOD 87-108MC

FOR SERVICE INFORMATION ON RECORD CHANGER—SEE SIMILAR V-M 1255—PHOTOFACT SET 646 FOLDER 10



AMBASSADOR MODELS 2265, 2510/12, 2665, 2774/78, 2814, 3526/28, 8210/12

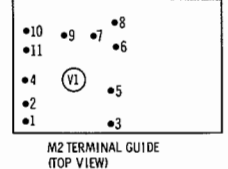
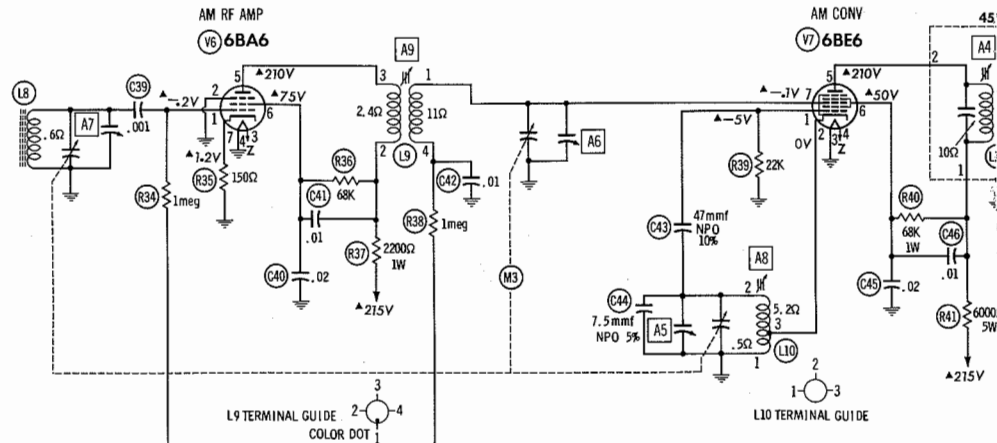
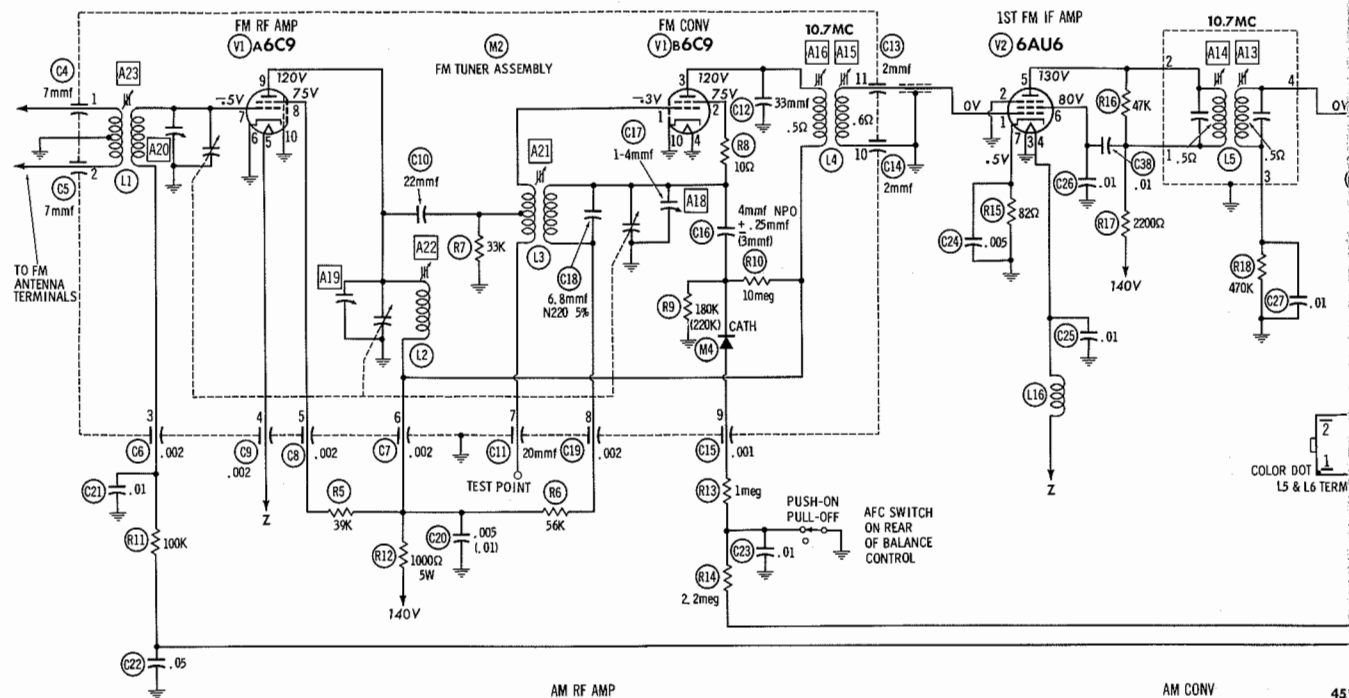
HOWARD W. SAMS & CO., INC. Indianapolis 6, Indiana



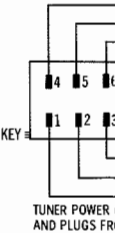
The listing of any available replacement part herein does not constitute in any case a recommendation, warranty or guaranty by Howard W. Sams & Co., Inc., as to the quality and suitability of such replacement part. The numbers of these parts have been compiled from information furnished to Howard W. Sams & Co., Inc., by the manufacturers of the particular type of replacement part listed. MN683

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DATE 6-64 SET 699 FOLDER 6

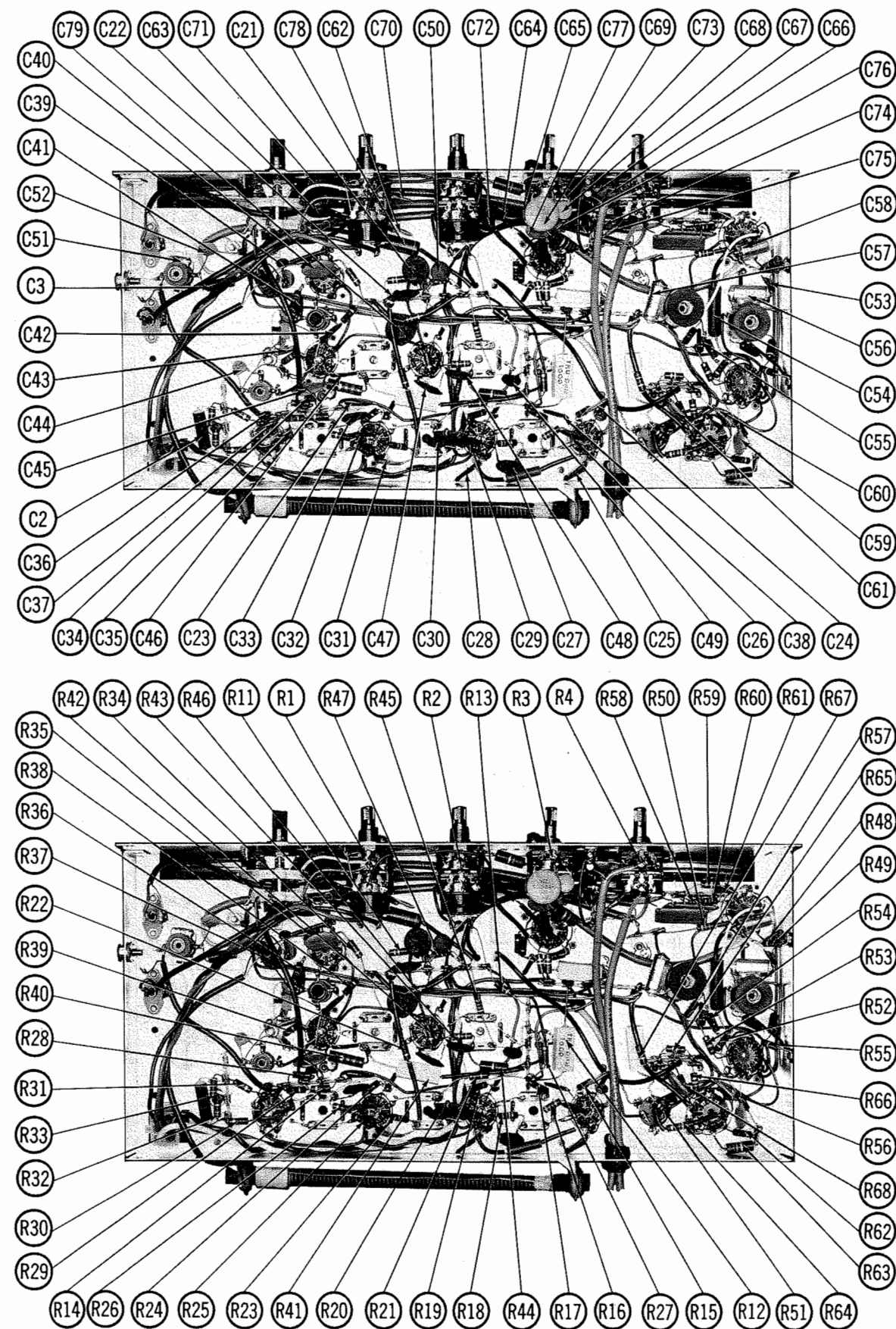
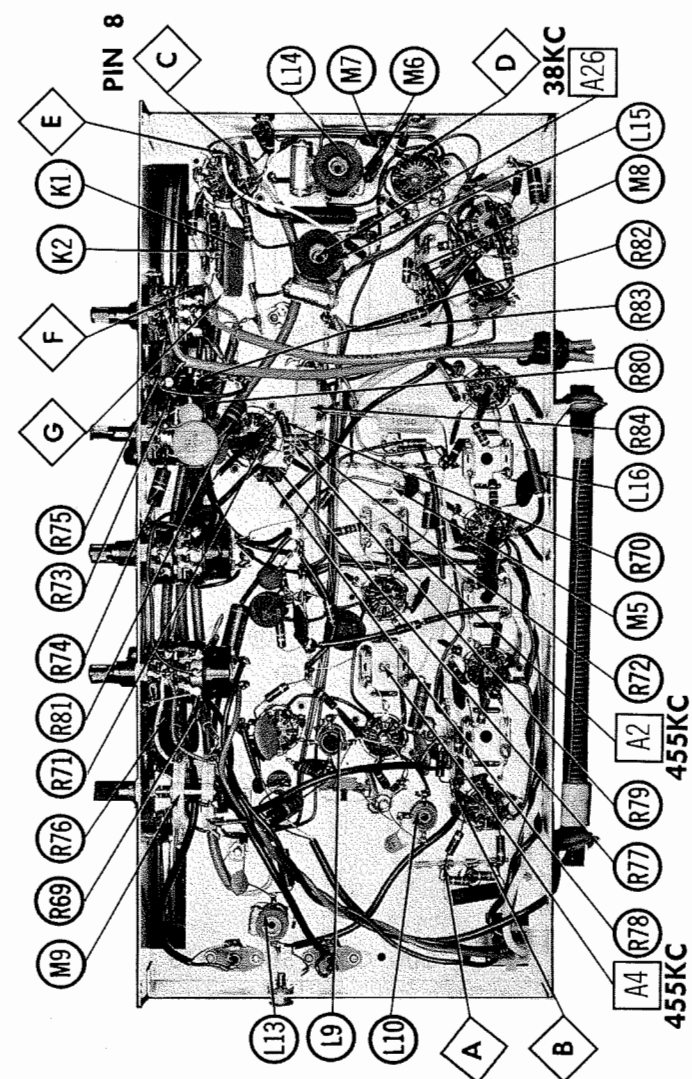


ITEM	TUBE	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8	Pin 9
V1	6C9	33K	† 57K	† 1500Ω	FIL	FIL	0Ω	1.2meg	† 40K	† 1500Ω
V2	6AU6	0Ω	.6Ω	FIL	FIL	† 2700Ω	† 50K	82Ω		
V3	6AU6	470K	0Ω	FIL	FIL	† 2700Ω	† 50K	150Ω		
V4	6AU6	100K	0Ω	FIL	FIL	† 10K	† 20K	68Ω		
V5	6AL5	† 1meg	† 1meg	FIL	FIL	8300Ω	0Ω	8300Ω		
V6	6BA6	4.5meg	0Ω	FIL	FIL	† 2700Ω	† 71K	150Ω		
V7	6BE6	22K	.5Ω	FIL	FIL	† 6500Ω	† 71K	4.5meg		
V8	6BA6	3.5meg	0Ω	FIL	FIL	† 2700Ω	† 71K	150Ω		
V9	6BJ8	9000Ω	150K	150K	FIL	FIL	9000Ω	† 48K	22K	2200Ω
V10	6EA8	† 6500Ω	• 150K	† 6500Ω	FIL	FIL	† 6500Ω	100Ω	4700Ω	1meg
V11	12AU7	† 53K	1meg	22K	FIL	FIL	† 68K	320K	0Ω	FIL
V12	6EU7	FIL	FIL	0Ω	2200Ω	1meg	† 220K	† 220K	1meg	2200Ω



1. Voltage measurements taken with vacuum tube voltmeter.
 2. All controls set for normal operation, no signal applied.
 3. Measured values are from socket pin or terminal to common ground.
 4. All terminals viewed from bottom unless otherwise designated.
 5. Numbers assigned to terminals may not be found on the unit.
 6. Supply voltage maintained at rated value for voltage readings.
- A PHOTOFAC STANDARD NOTATION SCHEMATIC
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ALL MEASUREMENTS TAKEN IN "FM" POSITION UNLESS OTHERWISE DESIGNATED.
• THIS READING WILL VARY DEPENDING UPON THE CONDITION OF THE ELECTROLYTIC IN THE CIRCUIT.
† READING DEPENDS ON POLARITY OF METER CONNECTIONS.
† MEASURED FROM PIN 3 OF POWER SOCKET



AM/FM CHASSIS — BOTTOM VIEW

**AMBASSADOR MODELS 2265, 2510/12,
2665, 2774/78, 2814, 3526/28, 8210/12**

ITEM No.	RATING	REMARKS	REPLACEMENT DATA				
			AEROVOX PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	ELMENCOR PART No.	MALLORY PART No.
C89	.05 50V	(.02) †	TTD-05	CK-503	H5	*	TG-580
C100	100 NI500	#826	P488N-05	TCL-100	PM485	4DP-3-503	GEM-415
C101	.05 400V		BPD-0005	DF-503	LA10T5-C4	CCD-501	B-350
C102	500		P488N-05	DF-501	PM485	4DP-3-503	5GA-T50
C103	.05 400V		DI-250	DF-503	LA10T5-C4	CCD-251	5GA-T25
C104	250		P488N-05	DF-503	PM485	4DP-3-503	GEM-415
C105	.05 400V	(.02) †	TTD-05	CK-503	H5	*	TG-580
C106	.05 50V	#826	P488N-05	TCL-100	PM485	4DP-3-503	GEM-415
C107	100 NI500		BPD-0005	DF-501	LA10T5-C4	CCD-501	B-350
C108	.05 400V		P488N-05	DF-503	LA10T5-C4	CCD-251	5GA-T50
C109	500		DI-250	DF-503	PM485	4DP-3-503	5GA-T25
C110	.05 400V		P488N-05	DF-503	PM485	4DP-3-503	GEM-415
C111	250		P688N-01	DD16-103	PM681	6DP-2-103	GEM-611
C112	.05 400V		P688N-01	DD16-103	PM681	6DP-2-103	GEM-611
C113	.01 600V		P688N-01	DD16-103	PM681	6DP-2-103	GEM-611
C114	.01 600V		P688N-01	DD16-103	PM681	6DP-2-103	GEM-611
C115	.01 600V		P688N-01	DD16-103	PM681	6DP-2-103	GEM-611

Ambassador Part Number † Alternate Value

* Not normally in distributor's stock. Available thru distributor on order to manufacturer.

RESISTORS (Power and Special)

ITEM No.	RATING	REMARKS	REPLACEMENT DATA			
			ITEM No.	RATING	WORKMAN PART No.	REMARKS
R129	2000Ω 5W	#676	R132	2000Ω 5W	PW5-SQ-2000	#676
R131	130Ω 5W	#656	R134	130Ω 5W	PW5-SQ-130	#656

Ambassador Part Number

TRANSFORMER (POWER)

ITEM No.	RATING	REMARKS	REPLACEMENT DATA			
			Ambassador PART No.	STANCOR PART No.	THORDARSON PART No.	NOTES
T4	117VAC 105VAC 6.3VCT 1.3A .24ADC 3.8A	1117 †				† Used in Amp. Ch. #18

TRANSFORMER (AUDIO OUTPUT)

ITEM No.	IMPEDANCE	REMARKS	REPLACEMENT DATA			
			Ambassador PART No.	STANCOR PART No.	THORDARSON PART No.	NOTES
T8	8700ΩCT 3-4Ω 8700ΩCT 3-4Ω	1221 †	A-4101	A-3870	S-55X ①	† Used in Amp. Ch. #18

AMP CHASSIS 17 PARTS LIST AND DESCRIPTION

TUBES

ITEM No.	USE	TYPE	USE	TYPE
V13	AF Amp.	6EU7		
V14	Output	6BQ5		

ITEM No.	RATING	CAP.	VOLT.	Ambassador PART No.	REPLACEMENT DATA				
					AEROVOX PART No.	CORNELL-DUBILIER PART No.	GENERAL ELECTRIC PART No.	MALLORY PART No.	SPRAGUE PART No.
C80A	.40	350	1046		AFH4-05-85	DO042	XC4-67	TF420-4A	TVL-4685-7
B	.80	350							
C	.30	350							
D	.70	350							
C81	100	25	924		PRS1270	BR100-25	Q71-23	TC2501	TVA-1207
C82	100	25	926		PRS7315	BBR10-150	NPQT-3	TCN5010	TVANS-1204.1*
C83	10	12NP	926		PRS7315	BBR10-150	NPQT-3	TCN5010	TVANS-1204.1*

* Not normally in distributor's stock. Available thru distributor on order to manufacturer.

FIXED CAPACITORS

ITEM No.	RATING	REMARKS	REPLACEMENT DATA				
			AEROVOX PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	ELMENCOR PART No.	MALLORY PART No.
C84	.02		BPD-02	DD-203	BYA682	CCD-203	B-120
C85	100 NI500	#826	P488N-022	DD-203	PM485	4DP-2-223	GEM-4122
C86	.022 400V		DI-250	DD-203	LA10T5-C4	CCD-251	5GA-T25
C87	250		BPD-02	DD-203	BYA682	CCD-203	B-120
C88	.02		BPD-02	DD-203	PM485	4DP-2-223	GEM-4122
C89	100 NI500	#826	P488N-022	DD-203	LA10T5-C4	CCD-251	5GA-T25
C90	.022 400V		DI-250	DD-203	PM485	4DP-2-223	GEM-4122
C91	250		P688N-01	DD16-103	PM681	6DP-2-103	GEM-611
C92	.01		P688N-01	DD16-103	PM681	6DP-2-103	GEM-611
C93	.01		P688N-01	DD16-103	PM681	6DP-2-103	GEM-611

Ambassador Part Number

* Not normally in distributor's stock. Available thru distributor on order to manufacturer.

RESISTORS (Power and Special)

ITEM No.	RATING	REMARKS	REPLACEMENT DATA			
			ITEM No.	RATING	WORKMAN PART No.	REMARKS
R96	82Ω 5W	#879	R99	470Ω 5W	5W-SQ-82	#879
R98	2000Ω 5W	#676	R100	130Ω 4W	5W-SQ-2000	#676

Ambassador Part Number

TRANSFORMER (POWER)

ITEM No.	RATING	REMARKS	REPLACEMENT DATA			
			Ambassador PART No.	STANCOR PART No.	THORDARSON PART No.	NOTES
T1	117VAC 520VCT 6.3VCT ③ ④ ⑤ .92A .14ADC 3A	1116 †				† Used in Amp. Ch. #17

TRANSFORMER (AUDIO OUTPUT)

ITEM No.	IMPEDANCE	REMARKS	REPLACEMENT DATA			
			Ambassador PART No.	STANCOR PART No.	THORDARSON PART No.	NOTES
T2	1000Ω		1222 †	A-3849	S-53X	
T3	1000Ω		1222 †	A-2802	S-53X	

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, A9, A18, A19, A20. GENERAL CEMENT: 8668, 9087, 9089 WALSCO: 2528, 2541, 2587 A8, A10 thru A17, A12, A22, A24, A25, A26. GENERAL CEMENT: 8606, 8869, 9302 WALSCO: 2511, 2543, 2588 A23. GENERAL CEMENT: 9296, 9300, 9302 WALSCO: 2510, 2511, 2547

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 (400% 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. 1650KC	"	"	A5	Adjust for maximum.
3. 1400KC	Tune to signal.	"	A6, A7	"
4. 600KC	"	"	A8, A9	Rock tuning gang and adjust for maximum. Repeat steps 2 thru 4 until no further improvement can be made.

FM ALIGNMENT USING AM SIGNAL GENERATOR — SELECTOR IN FM POSITION

High side to ungrounded shield over FM converter tube, 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 A; common to ground.	A10, A11, A12, A13, A14, A15, A16	Adjust for maximum.
6. "	"	DC probe to point B; common to ground.	A17	Adjust for zero reading. A positive or negative reading will be obtained on either side of the correct setting.

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

High side to ungrounded shield over FM converter, low side to ground. Use only enough marker signal to obtain indication. Use 80% frequency modulated signal with 450KC sweep. Use 120V 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 A; low side to ground.	A10, A11, A12, A13, A14, A15, A16	Disconnect stabilizing capacitor C2. Adjust for maximum gain and symmetry of response similar to Fig. 1 with marker as shown. Reconnect C2.
6. "	"	Vert. amp. to point B; low side to ground.	A17	Adjust A17 (Secondary) to place marker at center of crossover lines similar to Fig. 2. Adjust A10 (Primary) for maximum amplitude and straightness of crossover lines.

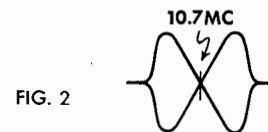
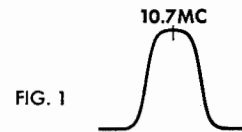
FM RF ALIGNMENT

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 A; common to ground.	A18, A19, A20	Adjust for maximum.
8. 90MC	Tune to signal.	"	A21, A22, A23	Rock tuning and adjust for maximum. Repeat steps 7 and 8 until no further improvement can be made.

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

Connect high side of generator to point B, low side to ground.			
GENERATOR FREQUENCY	INDICATOR	ADJUST	REMARKS
9. 67KC	Vert. amp. of Scope thru a 1 meg to point C; low side to ground.	A24	Adjust for MINIMUM.
10. 19KC	Vert. amp. thru 47K to point D; low side to ground.	A25	Adjust for maximum.
11. "	Vert. amp. thru 47K to point E; low side to ground.	A26	Adjust maximum for 38KC response.
12. Modulated Left Channel	Vert. amp. to point F; low side to ground.	A25, A26	Adjust for MINIMUM. Requires only slight adjustment for MINIMUM.
13. Modulated Right Channel	Vert. amp. to point G; low side to ground.	A25, A26	Check for MINIMUM. Make compromise adjustments if necessary.

To align multiplex section using an air signal, first make sure FM section is properly aligned. Tune in a strong FM stereo signal. Follow steps 9-13 above except in step 9 adjust to eliminate whistle or interference.



TUNER PARTS LIST AND DESCRIPTION

TUBES

ITEM No.	USE	TYPE	ITEM No.	USE	TYPE
V1	FM RF Amp.-FM Conv.	6C9	V7	AM Conv.	6BE6
V2	1st FM IF Amp.	6AU6	V8	AM IF Amp.	6BA6
V3	2nd FM IF Amp.	6AU6	V9	MPX Input Amp-MPX Det.	6B38
V4	Limiter	6AU6	V10	19KC Amp-38KC Amp.	6EA8
V5	Ratio Det.	6AL5	V11	Indicator Amp. -	12AU7A
V6	AM RF Amp.	6BA6	V12	Indicator Control AF Amp.	6EU7

ELECTROLYTIC CAPACITORS

ITEM No.	RATING		REPLACEMENT DATA						
	CAP.	VOLT.	Ambassador PART No.	AEROVOX PART No.	CORNELL- DUBILIER PART No.	GENERAL ELECTRIC PART No.	GENERAL INSTRUMENT PART No.	MALLORY PART No.	SPRAGUE PART No.
C1A	40	300	1058	AFH2-29	B0250	KC2-24	TMD-2250	FP221A	TVL-2520
B	40	250		PRS1670	BR40-350	QT1-14	TD-40-350	TC67	TVA-1611
C	40	250							
C2	10	25	916	PTT79	NLW10-25	MT1-5	MLV10-25	TT25X10	TL-1204
C3	1	25	928	PTT74	NLW1-25	MT1-1	MLV1-150	TT50X1	TL-1200

FIXED CAPACITORS

ITEM No.	RATING	REMARKS	REPLACEMENT DATA					
			AEROVOX PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	ELMENDO PART No.	MALLORY PART No.	SPRAGUE PART No.
C4	7mmf	#ST270-709						
C5	7mmf	#ST270-709						
C6	.002	#ST278						
C7	.002	#ST278						
C8	.002	#ST278						
C9	.002	#ST278						
C10	22		NPO-DI22	DTZ-22	C10Q22C	CCTO-220	CNO-422	10TCC-Q22
C11	20	#ST264-200						
C12	33		NPO-DI33	DTZ-33	C10Q33C	CCTO-330	CNO-433	10TCC-Q33
C13	2mmf	#ST274-209						
C14	2mmf	#ST274-209						
C15	.001		EF-001	MFT-1000		CCF-102	CT280A	
C16	4mmf NPO ±.25mmf	(3) †						10TCC-V39
C17	1-4mmf			829-4		CV-2	CT551	
C18	6.8 N220	5%						10TCR-V68
C19	.002	#ST278						
C20	.005	(.01) †	BPD-005	DD-502	BYA10D5	CCD-502	B-250	5HK-D50
C21	.01		BPD-01	DD-103	BYA10S1	CCD-103	B-110	5HK-S10
C22	.05 50V		TTD-05	CK-503	H5		TA-150	TG-S50
C23	.01		BPD-01	DD-103	BYA10S1	CCD-103	B-110	5HK-S10
C24	.005		BPD-005	CD-502	BYA10D5	CCD-502	B-250	5HK-D50
C25	.01		BPD-01	DD-103	BYA10S1	CCD-103	B-110	5HK-S10
C26	.01		BPD-01	DD-103	BYA10S1	CCD-103	B-110	5HK-S10
C27	.01		BPD-01	DD-103	BYA10S1	CCD-103	B-110	5HK-S10
C28	.01		BPD-01	DD-103	BYA10S1	CCD-103	B-110	5HK-S10
C29	.01		BPD-01	DD-103	BYA10S1	CCD-103	B-110	5HK-S10
C30	.01		BPD-01	DD-103	BYA10S1	CCD-103	B-110	5HK-S10
C31	.47 NPO	10%	NPO-DI47	DTZ-47	C10Q47C	CCTO-470	CNO-447	10TCC-Q47
C32	.01		BPD-01	DD-103	BYA10S1	CCD-103	B-110	5HK-S10
C33	.01		BPD-01	DD-103	BYA10S1	CCD-103	B-110	5HK-S10
C34	.001		BPD-001	DD-102	BYA10D1	CCD-102	B-210	5HK-D10
C35	.330	10%	DI-330	DD-331	LA10T33-C4	CCD-331	GP333	10TS-T33
C36	.330	10%	DI-330	DD-331	LA10T33-C4	CCD-331	GP333	10TS-T33
C37	.330	10%	DI-330	DD-331	LA10T33-C4	CCD-331	GP333	10TS-T33
C38	.01		BPD-01	DD-103	BYA10S1	CCD-103	B-110	5HK-S10
C39	.001		BPD-001	DD-102	BYA10D1	CCD-102	B-210	5HK-D10
C40	.02		BPD-02	DD-203	BYA6S2	CCD-203	B-120	5HK-S20
C41	.01		BPD-01	DD-103	BYA10S1	CCD-103	B-110	5HK-S10
C42	.01		BPD-01	DD-103	BYA10S1	CCD-103	B-110	5HK-S10
C43	.47 NPO	10%	NPO-DI47	DTZ-47	C10Q47C	CCTO-470	CNO-447	10TCC-Q47
C44	7.5 NPO	5%	#854					
C45	.02		BPD-02	DD-203	BYA6S2	CCD-203	B-120	5HK-S20
C46	.01		BPD-01	DD-103	BYA10S1	CCD-103	B-110	5HK-S10
C47	.02		BPD-02	DD-203	BYA6S2	CCD-203	B-120	5HK-S20
C48	.01		BPD-01	DD-103	BYA10S1	CCD-103	B-110	5HK-S10
C49	100 N1500			TCL-100		*		
C50	100 N1500			TCL-100		*		
C51	300	5%	(200) †	CPR-300J	CD15F301J	DM-15-301J	MCE241	MS-33
C52	130 N1500	5%	#667					
C53	.0033		BPD-0033	DD-332	BYA10D33	CCD-332	B-233	5HK-D33
C54	.22 200V		P28RN-22		PM2P22	2DP-4-224	GEM-2022	MTM-P22
C55	.001		BPD-001	DD-102	BYA10D1	CCD-102	B-210	5HK-D10
C56	.0056 500V	5%	CPR-3300J	CPD-5600J	CD30F562J	DM-30-562J	MCJ462	MS-256
C57	.0033	5%	CPR-3300J	CPD-3327J	DM-19-3327J	MCJ462	MS-233	MCJ462
C58	.0033	5%	CPR-3300J	CPD-3300J	DM-19-3327J	MCJ462	MS-233	MCJ462
C59	.47 NPO	10%	NPO-DI47	DTZ-47	C10Q47C	CCTO-470	CNO-447	10TCC-Q47
C60	.02		BPD-02	DD-203	BYA6S2	CCD-203	B-120	5HK-S20
C61	.02		BPD-02	DD-203	BYA6S2	CCD-203	B-120	5HK-S20
C62	.68 N750		N750-DI68	DTN-68	C10Q68U	CCTN-468	CN7-468	10TCU-Q68
C63	.01		BPD-01	DD-103	BYA10S1	CCD-103	B-110	5HK-S10
C64	.01		BPD-01	DD-103	BYA10S1	CCD-103	B-110	5HK-S10
C65	.02		BPD-02	DD-203	BYA6S2	CCD-203	B-120	5HK-S20
C66	.250		DI-250	DD-251	LA10T25-C4	CCD-251	GP325	5GA-T25
C67	.002		BPD-002	DD-202	BYA10D2	CCD-203	B-220	5HK-D20
C68	.002		BPD-002	DD-202	BYA10D2	CCD-203	B-220	5HK-D20
C69	.02		BPD-02	DD-203	BYA6S2	CCD-203	B-120	5HK-S20
C70	.68 N750		N750-DI68	DTN-68	C10Q68U	CCTN-680	CN7-468	10TCU-Q68
C71	.01		BPD-01	DD-103	BYA10S1	CCD-103	B-110	5HK-S10
C72	.01		BPD-01	DD-103	BYA10S1	CCD-103	B-110	5HK-S10
C73	.02		BPD-02	DD-203	BYA6S2	CCD-203	B-120	5HK-S20
C74	.250		DI-250	DD-251	LA10T25-C4	CCD-251	GP325	5GA-T25
C75	.002		BPD-002	DD-202	BYA10D2	CCD-202	B-220	5HK-D20
C76	.002		BPD-002	DD-202	BYA10D2	CCD-202	B-220	5HK-D20
C77	.02		BPD-02	DD-203	BYA6S2	CCD-203	B-120	5HK-S20
C78	.01 400V		P488N-01	CPK-00002	PMAS1	4DP-1-103	GEM-411	4TM-S10
C79	.05 50V		TTD-05	CK-503			TA-150	TG-S50

Ambassador Part Number † Alternate Value

* Not normally in distributor's stock. Available thru distributor on order to manufacturer.

CONTROLS

All wattages 1/2 watt, or less, unless otherwise listed.

ITEM No.	USE	RESIST- ANCE	REPLACEMENT DATA				
			Ambassador PART No.	CENTRALAB PART No.	CLAROSTAT PART No.	CTS-IRC PART No.	MALLORY PART No.
R1A	Loudness, Left	3meg 250K Tap	459				
B	Loudness, Right, Switch	3meg 250K Tap					UE 2503-S
R2A	Balance, Left	2meg	458				
B	Balance, Right, AFC Switch	2meg					
R3A	Bass, Left	1meg	453	F1-1meg, R1-1meg, TU304 or (B-69, SR-69)	DA-1meg-S R-1meg-S KSS-3	B11-137, B11-137, SK1, QCM or (BU2, CF17, CR12, SS1, SS7A, DC1, QCN ①)*	FA16L, RU16L, CS3500
B	Bass, Right	1meg					
R4A	Treble, Left	1meg	453	F1-1meg, R1-1meg, TU304 or (B-69, SR-69)	DA-1meg-S R-1meg-S KSS-3	B11-137, B11-137, SK1, QCM or (BU2, CF17, CR12, SS1, SS7A, DC1, QCN ①)*	FA16L, RU16L, CS3500
B	Treble, Right	1meg					

*"SNAPTROL" ① Use extra mounting nut as spacer to obtain desired length.

RESISTORS (Power and Special)

ITEM No.	RATING	REPLACEMENT DATA		
		IRC PART No.	WORKMAN PART No.	REMARKS
R12	1000Ω 5W	PW5-1000	5W-SQ-1000	#677
R41	6000Ω 5W	PW5-6000	5W-SQ-6000	#668

ITEM No.	RATING	REPLACEMENT DATA		
		IRC PART No.	WORKMAN PART No.	REMARKS
R83	6000Ω 5W	PW5-6000	5W-SQ-6000	#668
R84	470Ω 5W	MR3	5W-SQ-470	#622

Ambassador Part Number

COILS (RF-IF)

ITEM No.	USE	REPLACEMENT DATA					NOTES
		Ambassador PART No.	MERIT PART No.	MILLER PART No.	STANCOR PART No.	WORKMAN PART No.	
L1	FM Ant.	ST3768-2					▲ Disregard Primary
L2	FM RF	ST3543-2					
L3	FM Osc.	ST3561-2					
L4	1st FM IF	ST3821-504					
L5	2nd FM IF	1419	FM-254	1457	RTC-8599	T633	
L6	3rd FM IF	1419	FM-254	1457	RTC-8599	T633	
L7	Ratio Detector	1433	FM-255	1459	RTC-8600	T635	
L8	Loopstick	1557	BC-419	705-A	RTC-8915	TC521	
L9	AM RF	1412	BC-388	70-RF	RTC-8732	T501	
L10	AM Osc.	1422	BC-394 ▲	70-OSC▲	RTC-8647 ▲	T512	
L11	1st AM IF	1429	BC-352	12-C1	RTC-8632	T607	
L12	2nd AM IF	1429	BC-353	12-C2	RTC-8633	T608	
L13	67KC Trap	1430					
L14	19KC	1431					
L15	38KC	1432					
L16	Fl. Choke (38 Turns)	1305					

SPEAKER

ITEM No.	TYPE	REPLACEMENT DATA	ITEM No.	TYPE	REPLACEMENT DATA
		Ambassador PART No.	QUAM PART No.	NOTES	
SP1	4" PM	6-8Ω	2679	4A05Z8	Note 1
SP2	5" PM	6-8Ω	2678	5A05Z8	Note 1
SP3	8" PM	6-8Ω	2676	8A25	Note 2
SP4	4" PM	6-8Ω	2679	4A05Z8	Note 1
SP5	5" PM	6-8Ω	2678	5A05Z8	Note 1
SP6	8" PM	6-8Ω	2676	8A25	Note 2
SP7	Horn		2673		Note 3
SP8	12" PM	3-4Ω	2674		Note 4
SP9	Horn		2673		Note 3
SP10	12" PM	3-4Ω	2674		Note 4

Note 1 Models 2510, 2512, 2265, 2774, 2778, 2814, 3528.

Note 2 Models 2510, 2512, 2265, 2774, 2778, 2814.

Note 3 Models 3526, 8210, 8212.

Note 4 Models 3526, 8210, 8212, 3528.

COMPONENT COMBINATIONS

ITEM No.	USE	DESCRIPTION	Ambassador PART No.	REPLACEMENT DATA
K1	38KC Notch Filter		875	Centralab PC-410
K2	38KC Notch Filter		875	Centralab PC-410

PHONO CARTRIDGE & NEEDLES

*NEEDLE LISTINGS SHOWN ARE FOR RESPECTIVE REPLACEMENT CARTRIDGES ONLY.

ITEM No.	REPLACEMENT DATA	ITEM No.	REPLACEMENT DATA
	Ambassador PART No.	ASTATIC PART No.	ELECTRO-VOICE PART No.
M1	4013	4013-A*	133D
			N50sd*
			2120DS

MISCELLANEOUS

ITEM No.	PART NAME	Ambassador PART No.	NOTES
M2	FM Tuner	1054	
M3	AM Tuning Cap	1051	
M4	Diode		3 Gang FM AFC
M5	Diode	2751	AM Detector (1N64)
M6	Diode	2772	MPX Detector (1N541)
M7	Diode	2772	MPX Detector (1N541)
M8	Diode	2771	Bias Regulator (1N87)
M9	Switch	456	Function Switch

CABINETS & CABINET PARTS

(When Ordering Specify Model, Chassis & Color)

ITEM	PART NO.	MODELS	2510	2512	2265	2665	2774	2778	2814	3526	3528	8210	8212
Dial Pointer	1996		X	X	X	X	X	X	X	X	X	X	X
Dial Plate	5074		X	X	X		X						
Dial Plate	5073											X	X
Dial Bezel	5063		X	X	X		X		X	X	X	X	X
Cabinet, Mahogany	2510		X										
Cabinet, Walnut	2512			X									
Cabinet, Maple	2265				X								
Cabinet, Fruitwood	2774					X							
Cabinet, Antique White	2778						X						
Cabinet, Fruitwood	2814							X					
Cabinet, Fruitwood	8226								X				
Cabinet, White	8228									X			
Cabinet, Mahogany	7810										X		
Cabinet, Walnut	7812											X	

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)
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)

AMP CHASSIS 18 PARTS LIST AND DESCRIPTION

TUBES

ITEM No.	USE	TYPE	ITEM No.	USE	TYPE
V17	AF Amp-Phase Inverter	12AX7A	V20	AF Amp-Phase Inverter	12AX7A
V18	Output	6BQ5	V21	Output	6BQ5
V19	Output	6BQ5	V22	Output	6BQ5

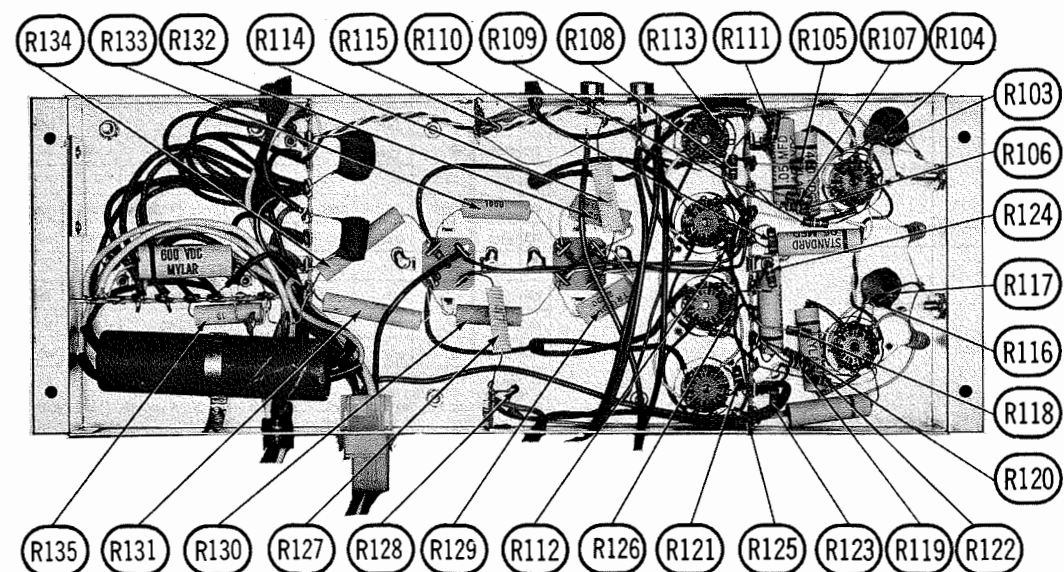
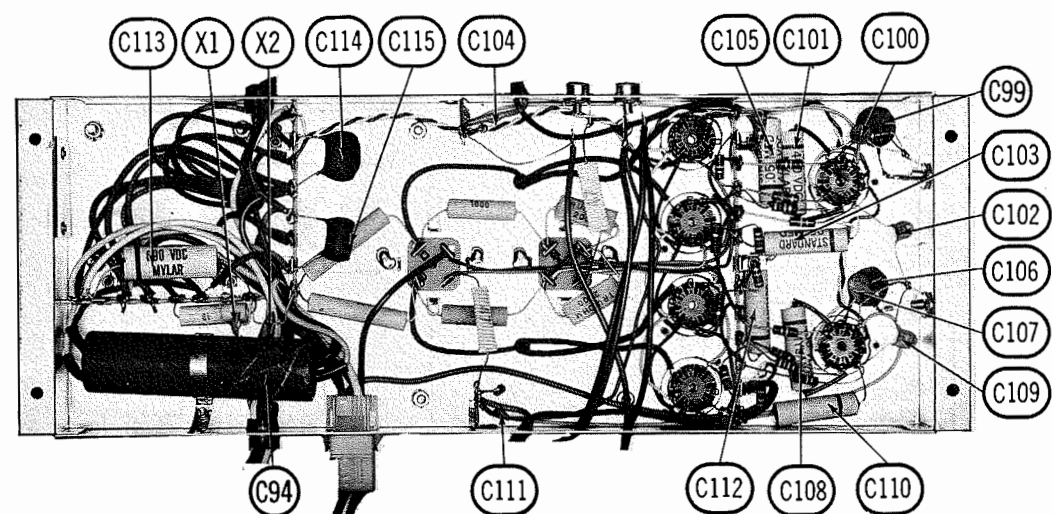
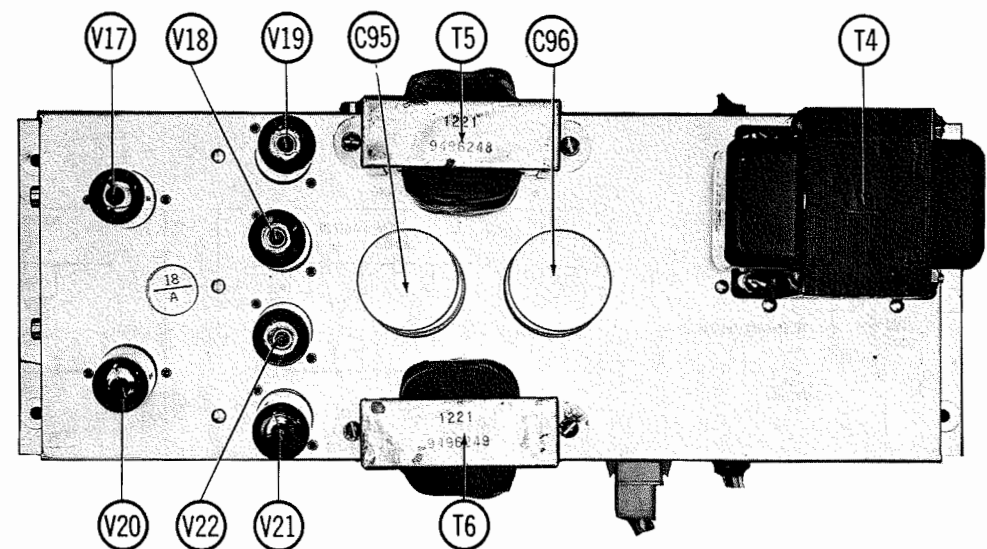
POWER RECTIFIERS

ITEM No.	MEASURED CURRENT	ORIGINAL Part or Type No.	RECTIFIERS		
			MALLORY PART No.	RCA PART No.	SARKES TARZIAN PART No.
X1	.240A	2762	A300 or 1N2093 ①	1N1763 or 1N2862 or 1N3194	40H or F-4
X2	.240A	2762	A300 or 1N2093 ①	1N1763 or 1N2862 or 1N3194	40H or F-4

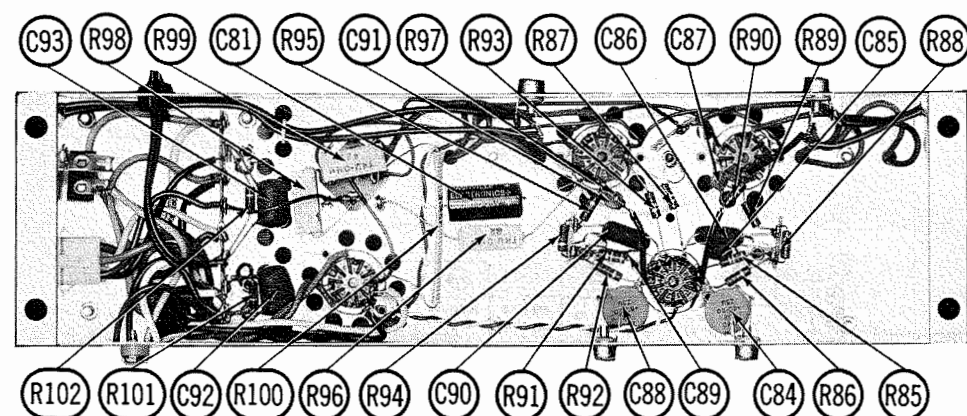
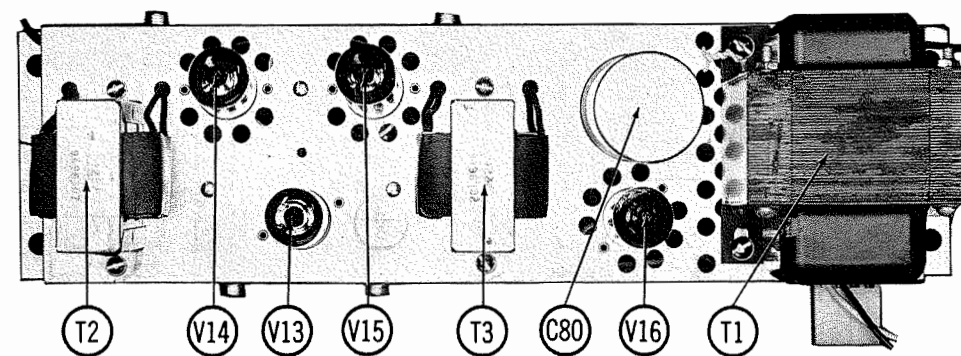
① A Dual Unit may be used for X1 & X2 (Mallory Part #VB500)

ELECTROLYTIC CAPACITORS

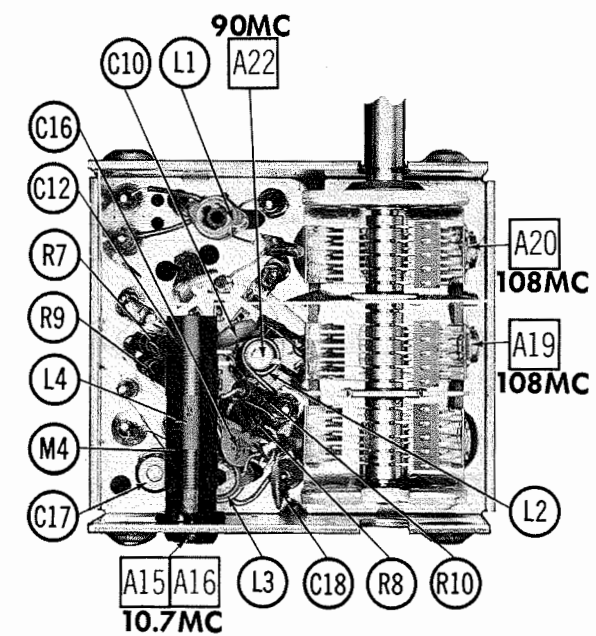
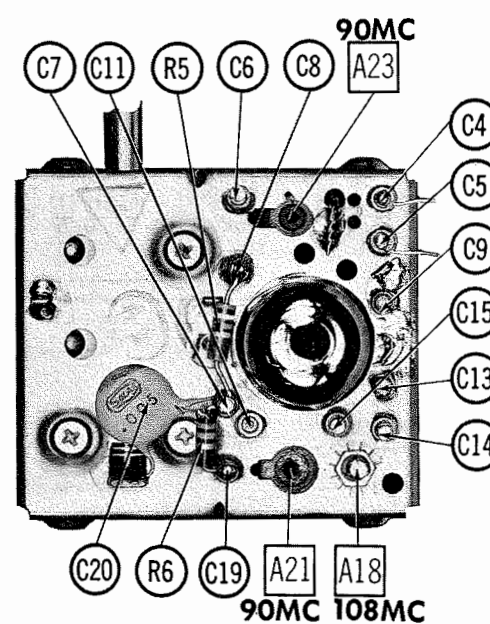
ITEM No.	RATING		REPLACEMENT DATA						
	CAP.	VOLT.	Ambassador PART No.	AEROVOX PART No.	CORNELL-DUBILIER PART No.	GENERAL ELECTRIC PART No.	GENERAL INSTRUMENT PART No.	MALLORY PART No.	SPRAGUE PART No.
C94A	80	150	1045	PRS1500	BR80-150	QT2-11	TD-80-150	TCS-505	TVA-1418
B	80	150		PRS1500	BR80-150		TD-80-150		TVA-1418
C95A	40	350	1032	AFH4-18-45	DOI77	XC4-80	TMQ-4652	WP447.7	TVL-4775
B	40	350							
C	40	350							
D	50	50							
C96A	40	350	1032	AFH4-18-45	DOI77	XC4-80	TMQ-4652	WP447.7	TVL-4775
B	40	350							
C	40	350							
D	50	50							
C97	10	12NP	926 ①	PRS7315	BBR10-150	NPQT-3		TCN5010	TVANS-1204
C98	10	12NP	926 ①	PRS7315	BBR10-150	NPQT-3		TCN5010	TVANS-1204



AMP CHASSIS 18



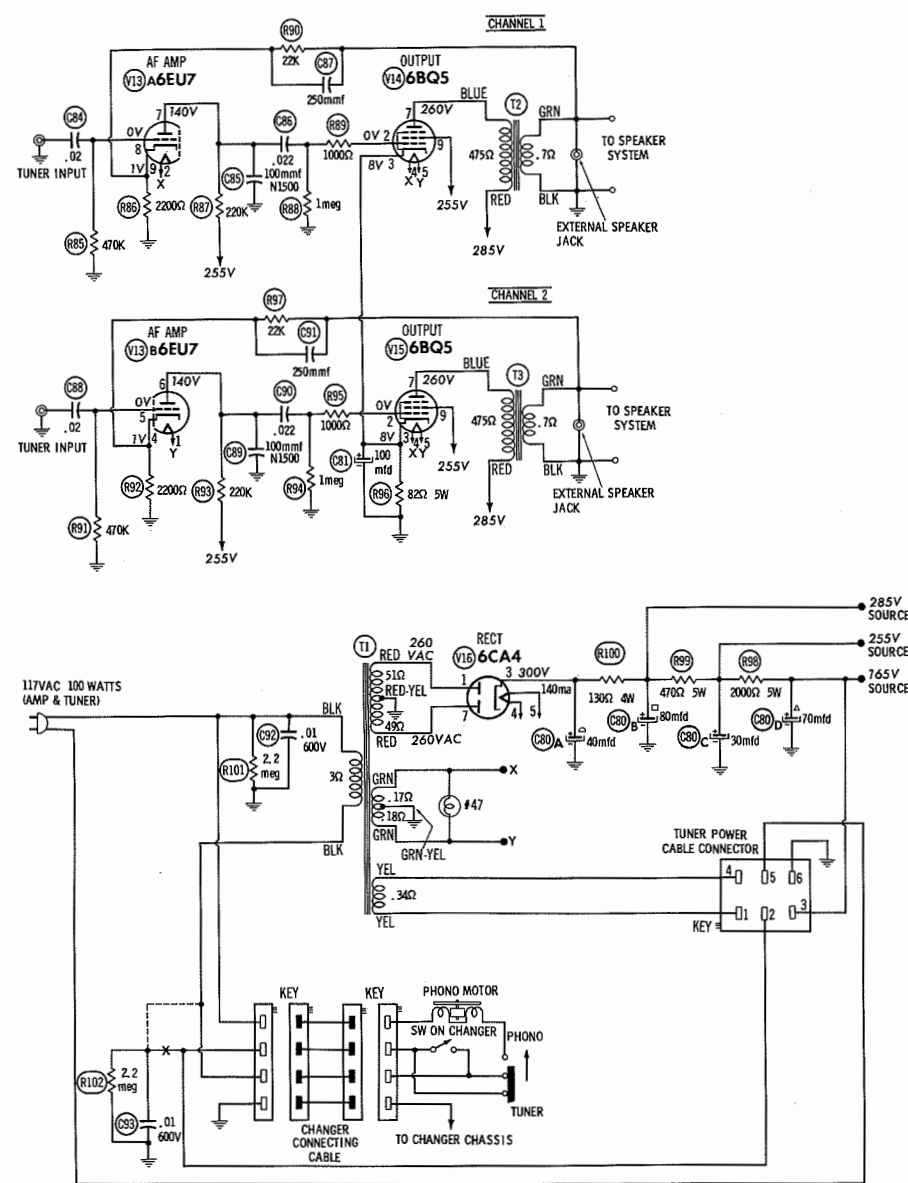
AMP. CHASSIS 17



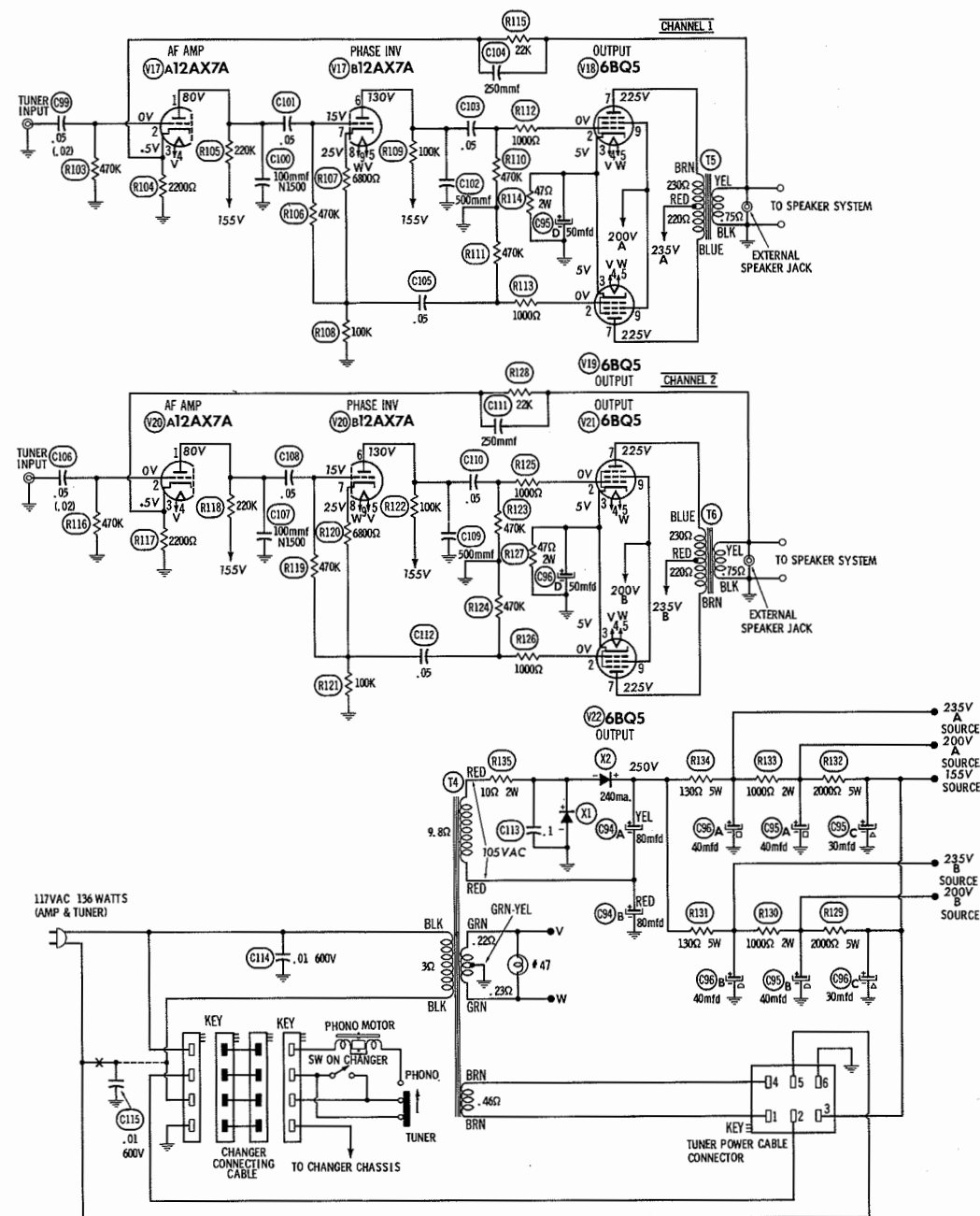
FM RF SUBCHASSIS

AMBASSADOR MODELS 2265, 2510/12, 2665, 2774/78, 2814, 3526/28, 8210/12

FOLDER 6

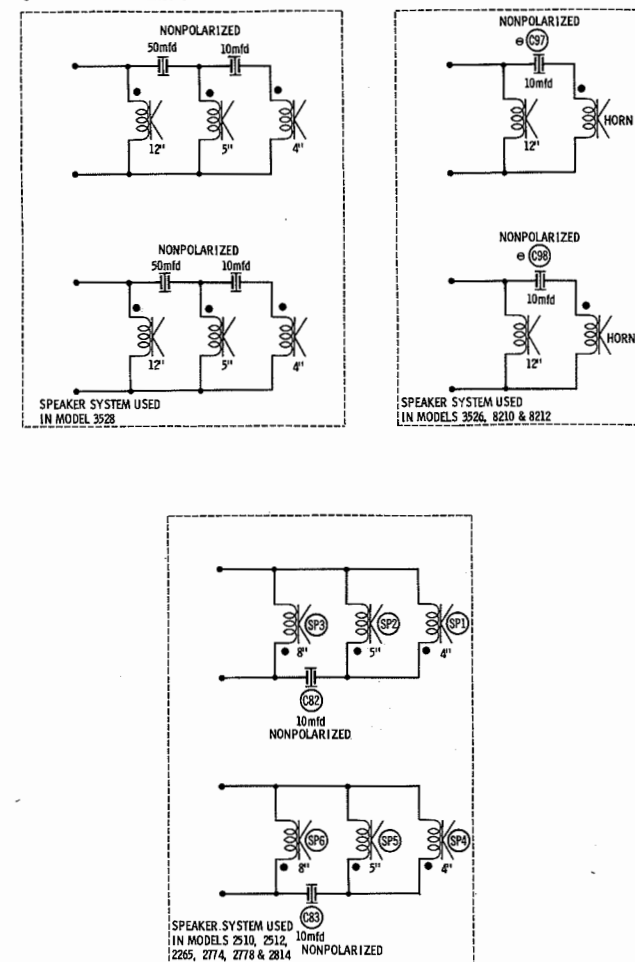


CHASSIS 17



CHASSIS 18

• DENOTES SPEAKER PHASING



RESISTANCE READINGS									
ITEM	TUBE	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8
V13	6EU7	FIL	FIL	NC	2200Ω	470K	† 222K	† 222K	470K
V14	6BQ5	NC	1meg	82Ω	FIL	FIL	NC	† 600Ω	NC
V15	6BQ5	NC	1meg	82Ω	FIL	FIL	NC	† 600Ω	NC
V16	6CA4	51Ω	NC	† 50K	FIL	FIL	NC	49Ω	NC
V17	12AX7	† 221K	470K	2200Ω	FIL	FIL	† 101K	570K	106K
V18	6BQ5	NC	471K	47Ω	FIL	FIL	NC	† 360Ω	NC
V19	6BQ5	NC	471K	47Ω	FIL	FIL	NC	† 360Ω	NC
V20	12AX7	† 221K	470K	2200Ω	FIL	FIL	† 101K	570K	106K
V21	6BQ5	NC	471K	47Ω	FIL	FIL	NC	† 360Ω	NC
V22	6BQ5	NC	471K	47Ω	FIL	FIL	NC	† 350Ω	NC

† MEASURED FROM OUTPUT OF X2.
 ‡ MEASURED FROM PIN 3 OF V16.
 • THIS READING WILL VARY DEPENDING UPON THE CONDITION OF THE ELECTROLYTIC IN THE CIRCUIT.

AMBASSADOR MODELS 2265, 2510/12,
 2665, 2774/78, 2814, 3526/28, 8210/12

AMBASSADOR MODELS 2265, 2510/12,
 2665, 2774/78, 2814, 3526/28, 8210/12

FOLDER 6