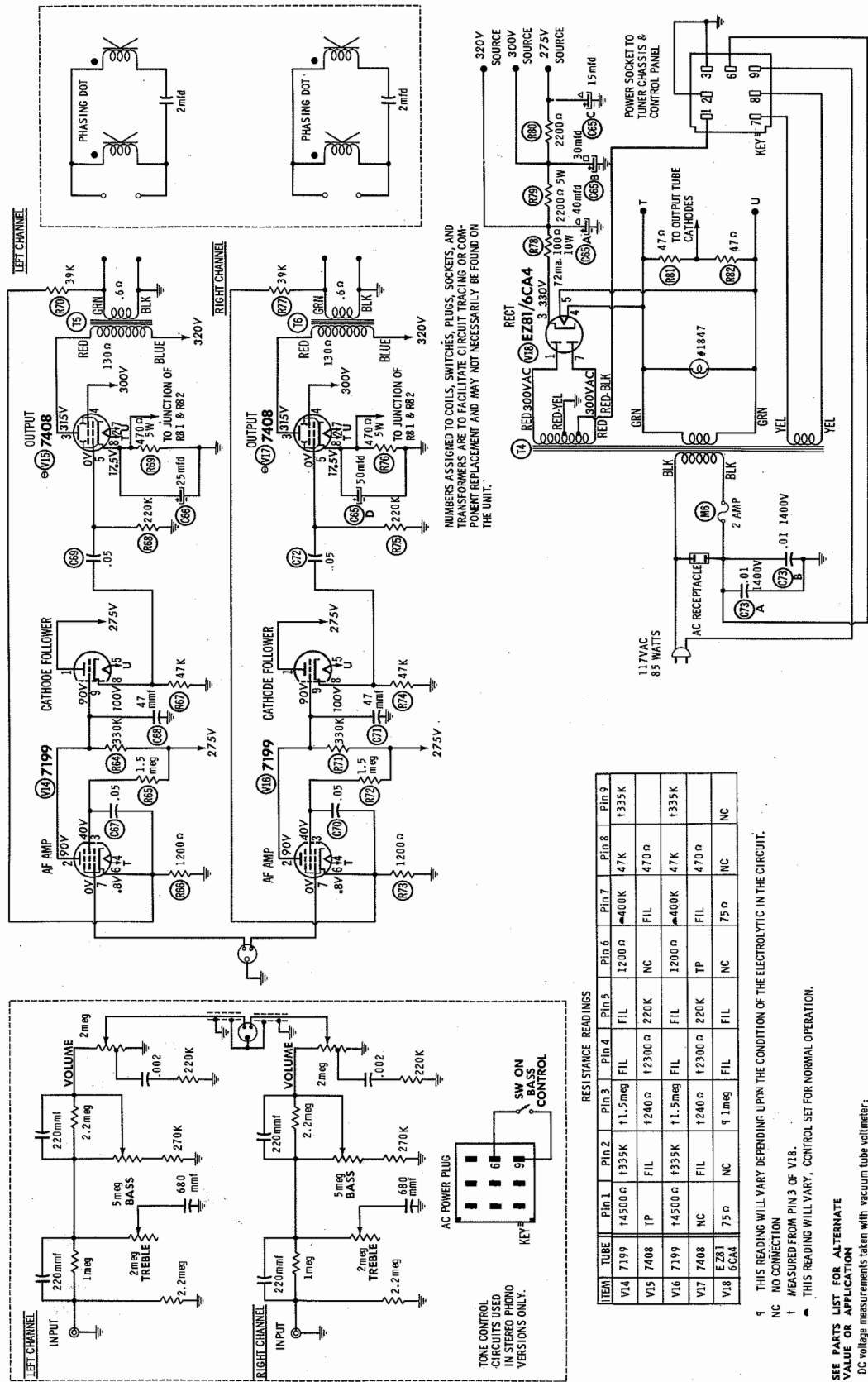




STROMBERG-CARLSON
CHASSIS ASR-110

AMP CHASSIS ASR-110 SCHEMATIC

ITEM	TUBE	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8	Pin 9
V14	7199	14500 Ω	1335K	11.5meg	FIL	1200 Ω	400K	47K	1335K	
V15	7408	TP	FIL	1240 Ω	12300 Ω	220K	NC	FIL	470 Ω	
V16	7199	14500 Ω	1335K	11.5meg	FIL	1200 Ω	400K	47K	1335K	
V17	7408	NC	FIL	1240 Ω	12300 Ω	220K	TP	FIL	470 Ω	
V18	6CA4	75 Ω	NC	11meg	FIL	NC	75 Ω	NC	NC	NC

1. THIS READING WILL VARY DEPENDING UPON THE CONDITION OF THE ELECTROLYTIC IN THE CIRCUIT.
NC NO CONNECTION
† MEASURED FROM PIN 3 OF V18.

2. THIS READING WILL VARY, CONTROL SET FOR NORMAL OPERATION.

SEE PARTS LIST FOR ALTERNATE
VALUE OR APPLICATION

1. DC voltage measurements taken with vacuum tube voltmeter.
2. AC voltages measured with 1000 ohm per volt voltmeter.
3. Socket connections are shown as bottom views.
4. Measured values are from socket pin to common ground.
5. Line voltage maintained at 117 volts for voltage readings.
6. Nominal tolerance of component values makes possible a variation of ±15% in voltage and resistance readings.
7. All controls at minimum, proper output load connected.

A PHOTOFACT STANDARD NOTATION SCHEMATIC
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FOLDER 9
SET 609

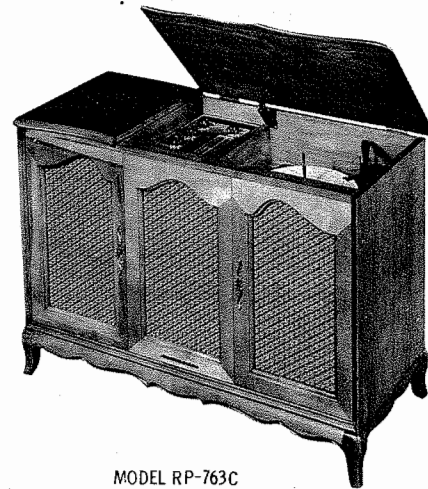
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with CIRCUITRACE™



STROMBERG-CARLSON
CHASSIS ASR-110, ASR-120, SR-130

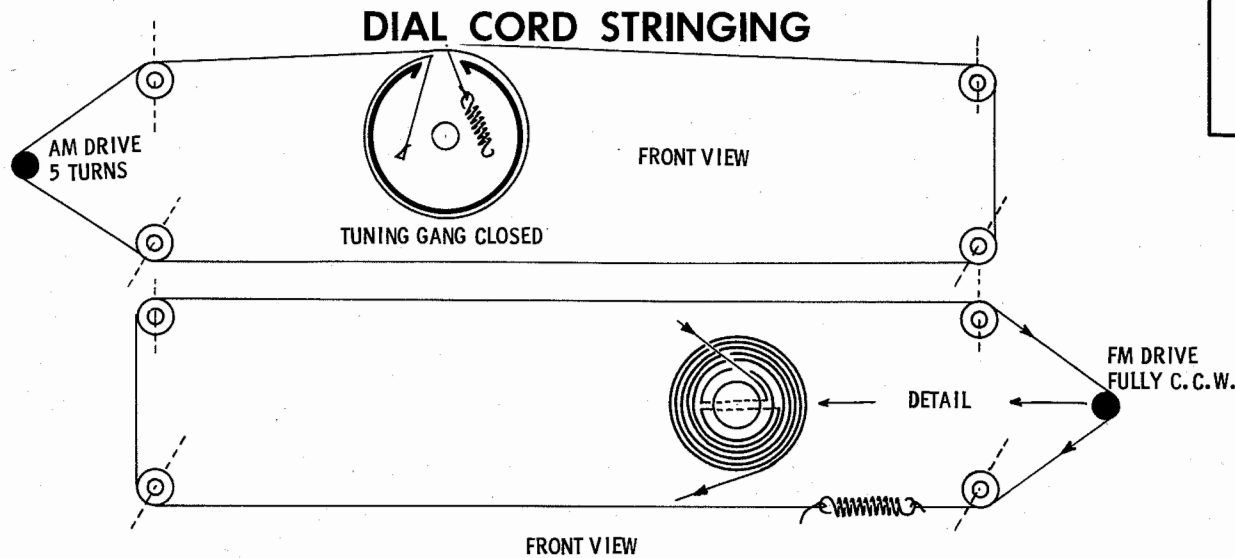
STROMBERG-CARLSON
CHASSIS ASR-110, ASR-120, SR-130



MODEL RP-763C

TRADE NAME	Stromberg-Carlson			
Model	Tuner		Amp.	
	Chassis		Chassis	
RP-721DW/M/ WO, RP-723C, RP-726MP, RP-761DW/M/ WO, RP-763C, RP-766C, RP-781DW/M/ WO, SP-711DW/M/ WO, SP-713C, SP-716MP, SP-741DW/M/ WO, SP-743C, SP-746C, SP-771DW/M/ WO.	SR-130	SR-130	ASR-120	PR-520
			ASR-110	PR-510
			ASR-120	PR-520
MANUFACTURER	Stromberg-Carlson Co., A Div. of General Dynamics Corp., Commercial Products Div., 1400 N. Goodman Street, Rochester 9, N. Y.			
TYPE SET	AC Operated 6 Tube AM-FM Tuner, 5 (or 7) Tube Stereo Amplifier and 4 Speed Automatic Record Changer (Some versions omit the tuner)			
POWER SUPPLY	110-120 Volts AC, 60 Cycles	RATING ASR-110 : 73Watts, .66A @117VAC. With Tuner 92W, .84A ASR-120 : 100Watts, .86A @117VAC. With Tuner 125W, 1.09A		
TUNING RANGES	BROADCAST 520 - 1620KC	FREQ. MOD. 88 -108MC		

FOR SERVICE INFORMATION ON RECORD CHANGER - SEE SIMILAR GLASER-STEERS GS-400 -
PHOTOFACT SET 506 FOLDER 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 LN368

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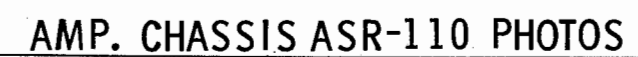
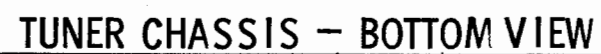
DATE 12 - 62

SET 609

FOLDER 9

STROMBERG-CARLSON
CHASSIS ASR-110, ASR-120, SR-130

SET 609 FOLDER 9



ASR-110 PARTS LIST AND DESCRIPTIONS

TUBES

ITEM No.	AMPEREX		GENERAL ELECTRIC		RCA		RAYTHEON		SYLVANIA		TYPE
	USE		USE		USE		USE		USE		
V14	Left Channel A F Amp. - Cathode Follower	7199								7199	7408 (6V6)* E2B/6CA4
V15	Left Channel Output	7408 (6V6)*									

* Alternate

ELECTROLYTIC CAPACITORS

ITEM No.	RATING		STROMBERG-CARLSON		CORNELL		AEROVOX		REMARKS		REPLACEMENT DATA		SPRAGUE
	CAP.	VOLT.	PART No.		PART No.		PART No.				PART No.		PART No.
C6A	40	450	111000-006		DO663	XC4-47	AFH4-95-25				FP431.3	TMQ-4502	TVLS-47025*
C6B	30	350			NLW30-25	MTI-5					TC60	TD-20-350	
C6C	15	25											
C6D	10	25											
C6E	5	25	111000-009		BBR25-25	MTI-11	PR81260				TC26	TD-25-25	TVA-1205

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

FIXED CAPACITORS

ITEM No.	RATING	REMARKS	REPLACEMENT DATA		REMARKS	REPLACEMENT DATA		REMARKS	SPRAGUE
			AEROVOX PART No.	CORNELL DUBILIER PART No.		ELMENDO PART No.	MALLORY PART No.		
C67	.05 400V		P488N-05	DD-503		4DP-3-503	GEM-415		4TM-S50
C68	.05 400V		DL-47	LIQ447		CCD-470	GP447		10TS-047
C69	.05 400V		P488N-05	DD-503		4DP-3-503	GEM-415		4TM-S50
C70	.05 400V		P488N-05	DD-503		4DP-3-503	GEM-415		4TM-S50
C71	.05 400V		DL-47	LIQ447		CCD-470	GP447		10TS-047
C72	.05 400V		P488N-05	DD-503		4DP-3-503	GEM-415		4TM-S50
C73	.01 1400V		DAC-27	DD18-103		4DP-3-503	UAC-110		BL-S10
C74	.01 1400V		DAC-27	DD18-103		4DP-3-503	UAC-110		BL-S10

RESISTORS

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

ITEM No.	RATING	REMARKS	REPLACEMENT DATA		REMARKS	REPLACEMENT DATA		REMARKS
			IRC PART No.	WORKMAN PART No.		IRC PART No.	WORKMAN PART No.	
R64	330K							
R65	1.5meg							
R66	1200K							
R67	47K 5%							
R68	220K							
R69	4700 5W							
R70	39K							
R71	330K							
R72	1.5meg							
R73	1200K							

ITEM No.	RATING	REMARKS	REPLACEMENT DATA		REMARKS
			IRC PART No.	WORKMAN PART No.	
R74	47K				
R75	220K				
R76	4700 5W				
R77	39K				
R78	1000 10W				
R79	22000 5W				
R80	2200K				
R81	470				
R82	470				

WIRING DATA

General-use Unshielded Book-up Wire Use BELDEN No. 8530 (Solid) Available in 12 Colors
8524 (Stranded) Available in 12 Colors
Power Cord Use BELDEN No. 17008 (Plastic) or 17128 (Rubber) - 6 Ft.
Power Cord Use BELDEN No. 17008 (Plastic) or 17128 (Rubber) - 9 Ft.
Power Cord (Interlock Type) Use BELDEN No. 8874 (Rubber) or 8895 (Plastic)

FUSES

ITEM No.	TYPE	RATING	REPLACEMENT DATA		REMARKS
			Stromberg-Carlson PART No.	LUITFUSE PART No.	
M6	3AG P/G	2A			

SPEAKER

ITEM No.	TYPE	FIELD	V. C. IMP.	REPLACEMENT DATA		REMARKS
				Stromberg-Carlson PART No.	QUAM PART No.	
	6"x 8"	PM	6-80	89A228		* All Models Using Amp. Chassis ASR-110
	3"x 5"	PM	6-80	155009-084*	35A0528	
	3"x 5"	PM	6-80	155009-084*	35A0528	

TRANSFORMER (AUDIO OUTPUT)

ITEM No.	IMPEDANCE	SEC.	REPLACEMENT DATA		REMARKS
			Stromberg-Carlson PART No.	Stancor PART No.	
T5	60000 CT	6-80	161000-183	A-3824	
T6	60000 CT	6-80	161000-183	A-3824	

TRANSFORMER (POWER)

ITEM No.	RATING	SEC. 1	SEC. 2	REPLACEMENT DATA		REMARKS
				Stromberg-Carlson PART No.	Merit PART No.	
T4	117VAC @ .8A	6.3VAC @ 1.30A	6.3VAC @ 2.7A	161000-236		

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..... GENERAL CEMENT #8607, 9291, 9294					
WALSCO #2520, 2522, 2523, 2524, 2534, 2537, 2538					
A5..... GENERAL CEMENT #5003, 8271, 8275, 8276, 8609, 8721, 8722, 9150, 9298					
WALSCO #2516, 2518, 2519					
A6, A7, A17, A18, A8..... GENERAL CEMENT #5004, 5009, 8195, 8274, 8275, 8607, 8728, 8987, 8988, 8989, 9291					
WALSCO #2515, 2520, 2522, 2523, 2531, 2532, 2534, 2537, 2538					
A9 thru A12, A16..... GENERAL CEMENT #8282, 8606, 8606-L, 9295, 9440					
WALSCO #2526, 2543, 2544, 2545					
A14, A15..... GENERAL CEMENT #8282, 8606, 8606-L, 9091					
WALSCO #2526, 2541, 2542, 2543, 2544					

AM ALIGNMENT — SELECTOR IN AM POSITION

	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	RADIO DIAL SETTING	INDICATOR	ADJUST	REMARKS
1.	High side thru .1mf to pin 7 (grid) of AM Converter, low side to chassis.	455KC (Unmod.)	(AM) Tuning gang fully open.	DC 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.	550KC	550KC	"	A5	"
3.	"	1600KC	1600KC	"	A6	"
4.	"	1400KC	1400KC	"	A7	"
5.	High side to point  , low side to chassis.	10KC		AC VTVM to point  , common to chassis.	A8	Adjust for MINIMUM deflection.

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
6.	High side to ungrounded tube shield over FM Converter. Low side to chassis.	10.7MC (Unmod.)	(FM) Point of non-interference.	DC VTVM to point  , common to chassis.	A9, A10, A11, A12, A13, A14, A15	Adjust for maximum deflection.
7.	"	"	"	DC VTVM to point  , common to chassis.	A16	Adjust for zero reading. A positive and negative reading will be obtained on either side of the correct setting.

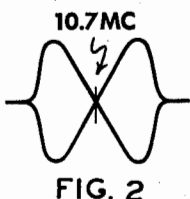
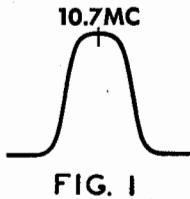
FM IF ALIGNMENT USING FM SIGNAL GENERATOR AND OSCILLOSCOPE — SELECTOR IN FM POSITION

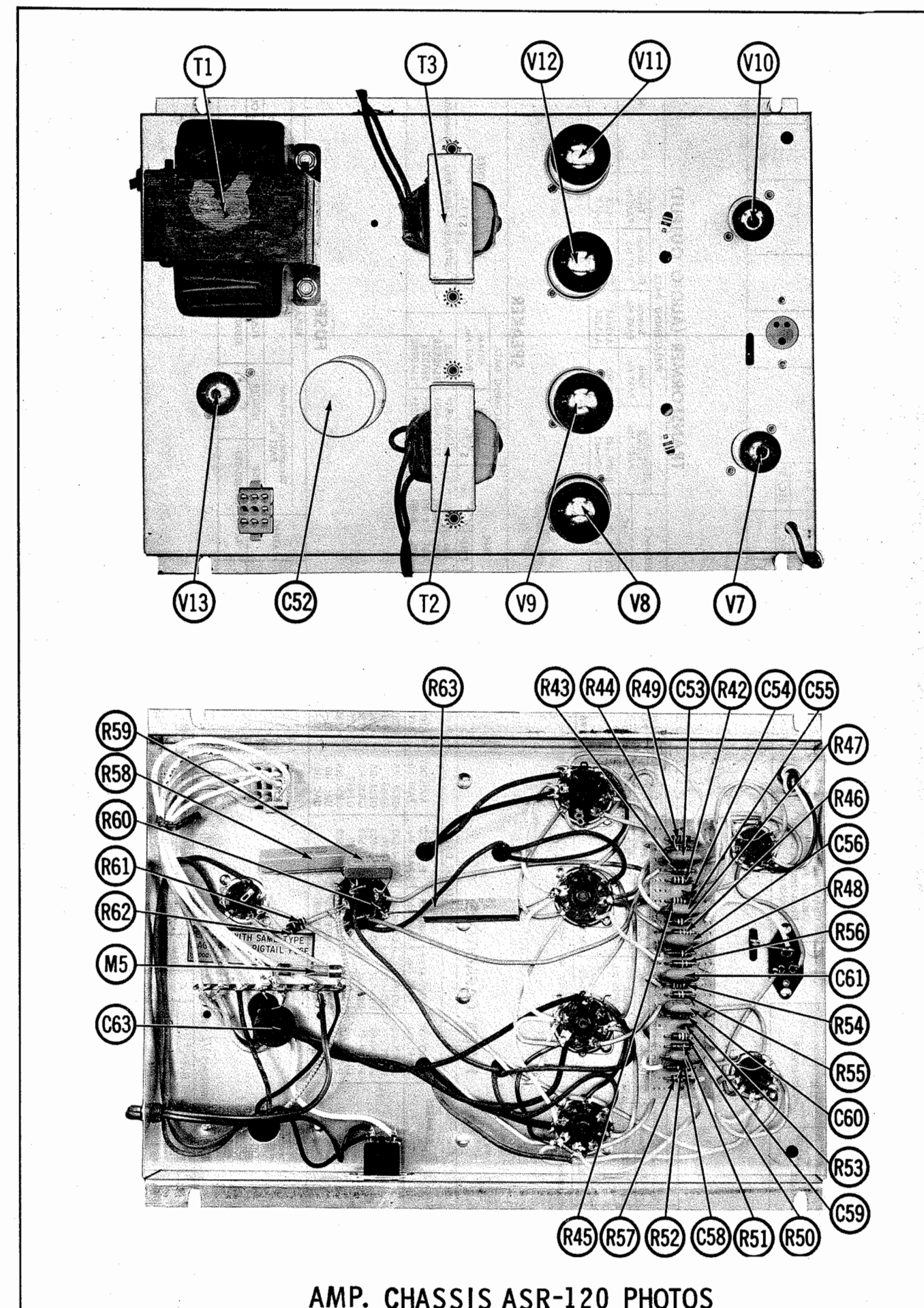
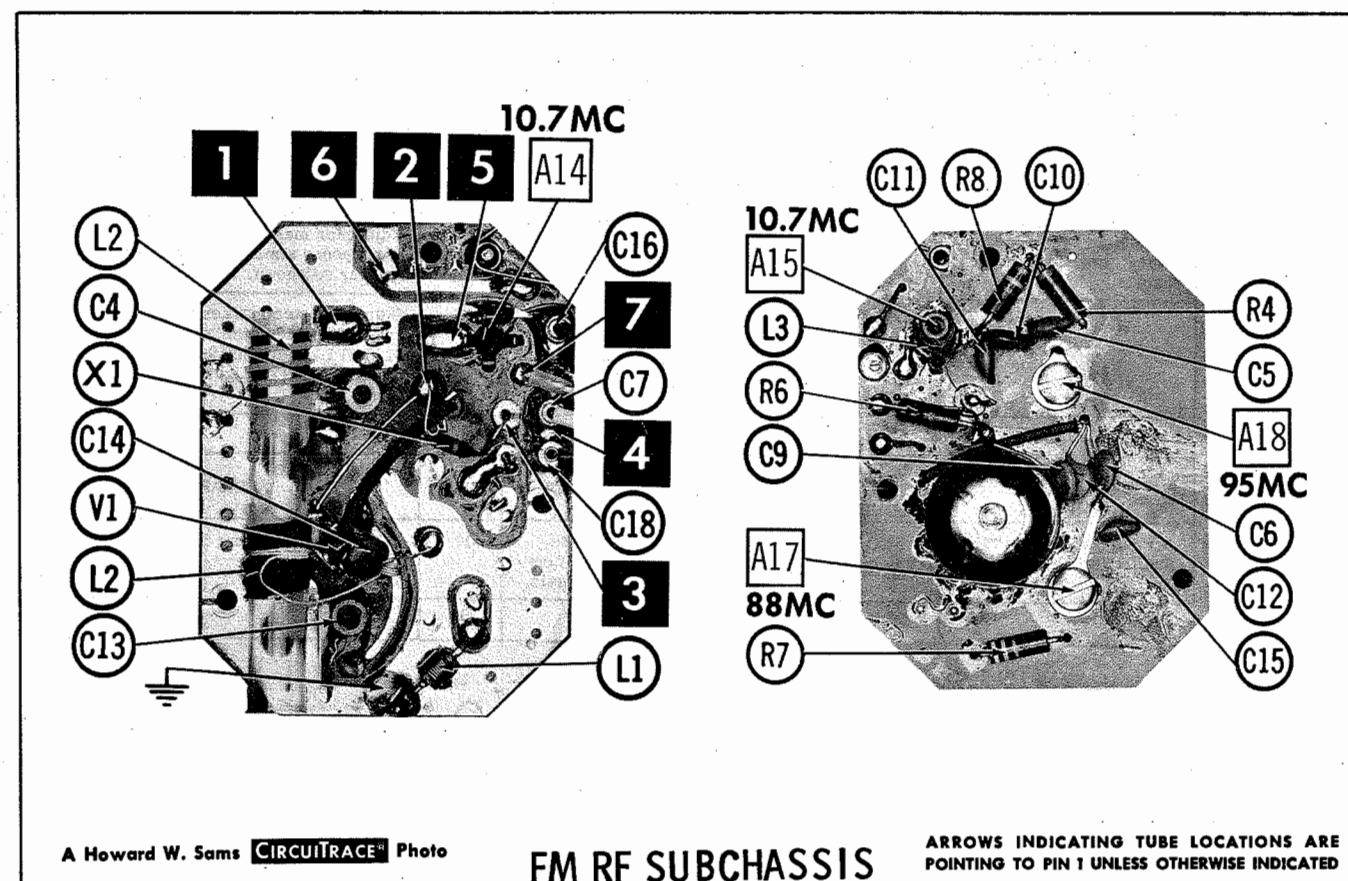
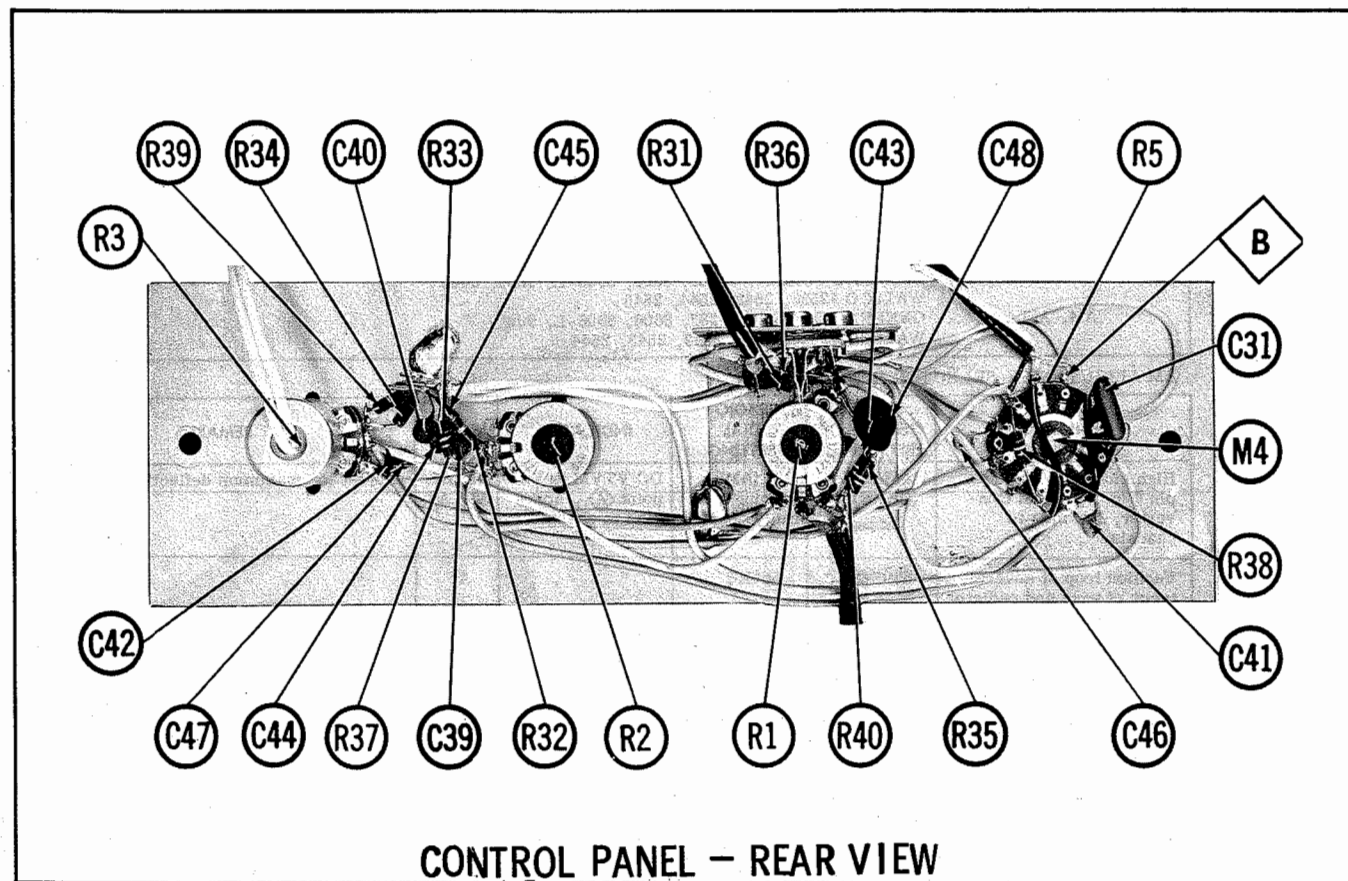
Use frequency modulated signal with 60% modulation and 450KC sweep. Use 120V sawtooth voltage in scope for horizontal deflection.

	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	RADIO DIAL SETTING	INDICATOR	ADJUST	REMARKS
6.	High side to ungrounded tube shield over FM Converter, low side to chassis.	10.7MC (450KC Swp.)	(FM) Point of non-interference.	Vert. amp. of scope to point  , Low side to chassis.	A9, A10, A11, A12, A13, A14, A15	Disconnect Stabilizing Capacitor C3. Adjust for maximum gain and symmetry of response similar to Fig. 1 with marker as shown. Reconnect C3.
7.	"	"	"	Vert. amp. of scope to point  , Low side to chassis.	A16	Adjust to place marker at center of crossover lines similar to Fig. 2. SLIGHTLY retouch A9 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
8.	Across FM antenna terminals with 120Ω in each lead.	88MC (Unmod.)	(FM) 88MC	DC VTVM to point  , common to chassis.	A17	Adjust for maximum deflection.
9.	"	95MC	95MC	"	A18	"





AMP ASR-120 PARTS LIST AND DESCRIPTIONS

TUBES

ITEM No.	AMPEREX • GENERAL ELECTRIC • RCA • RAYTHEON • SYLVANIA •		ITEM No.	TYPE	USE	TYPE
	USE					
V7	Left Channel A.F. Amp. - Phase Inverter	7199	V10		Right Channel A.F. Amp. - Phase Inverter	7199
V8	Left Channel Output	7408 (6V6)*	V11		Right Channel Output	7408 (6V6)*
V9	Left Channel Output	7408 (6V6)*	V12		Right Channel Output	7408 (6V6)*
			V13		Rectifier	6CA4 (E281)*

* Alternate

ELECTROLYTIC CAPACITORS

ITEM No.	RATING	REPLACEMENT DATA			
		Stromberg-Carlson PART No.	AEROVOX PART No.	CORNING DUBILIER PART No.	GENERAL ELECTRIC PART No.
C52A	40	111000-096	AFH4-85-25	DO683	XC4-47
C52B	30			NLW30-25	MT1-5
C52C	15				
C52D	50				

* 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.	ELMENDO PART No.
C53	.05 400V		P488N-05	DD-503	CUB455	4DP-3-503
C54	47		DI-47	DD-470	L1Q47	CCD-470
C55	.05 400V		P488N-05	DD-503	CUB455	4DP-3-503
C56	.05 400V		P488N-05	DD-503	CUB455	4DP-3-503
C57	2.0mid 200V				WMF3W2E	
C58	.05 400V		P488N-05	DD-503	CUB455	4DP-3-503
C59	47		DI-47	DD-470	L1Q47	CCD-470
C60	.05 400V		P488N-05	DD-503	CUB455	4DP-3-503
C61	.05 400V		P488N-05	DD-503	CUB455	4DP-3-503
C62	2.0mid 200V				WMF3W2E	
C63A	.01 1400V		DAC-27	DD16-103	HVE16S1	
C63B	.01 1400V		DAC-27	DD16-103	HVE16S1	
C64	.05 600V		P688N-05	DD-503	CUB455	6DP-3-503

RESISTORS

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

ITEM No.	RATING	REMARKS	REPLACEMENT DATA			
			IRC PART No.	WORKMAN PART No.	REMARKS	
R42	330K					
R43	1.5meg					
R44	1200Ω					
R45	47K					
R46	47K					
R47	220K					
R48	220K					
R49	80K					
R50	330K					
R51	1.5meg					
R52	1200Ω					
R53	47K					
R54	47K					
R55	220K					
R56	220K					
R57	68K					
R58	100Ω 10W					
R59	220Ω 5W					
R60	2200Ω					
R61	47Ω					
R62	47Ω					
R63	150Ω 10W					

ITEM No.	TYPE	RATING	REPLACEMENT DATA			
			Stromberg-Carlson PART No.	LITTELFUSE PART No.	BUSS PART No.	
M5	3AG P/G	3A	555020-325	318003	FUSE HOLDER	QJV 3

WIRING DATA

General-use Unshielded Hook-up Wire Use BELDEN No. 8530 (Solid) Available in 12 Colors
Power Cord Use BELDEN No. 8524 (Stranded) Available in 12 Colors
Power Cord (Interlock Type) Use BELDEN No. 17106 (Plastic) or 17128 (Rubber) - 6 Ft.
..... Use BELDEN No. 17109 (Plastic) or 17128 (Rubber) - 9 Ft.
..... Use BELDEN No. 8874 (Rubber) or 8895 (Plastic)

TRANSFORMER (POWER)

ITEM No.	RATING	REPLACEMENT DATA			
		Stromberg-Carlson PART No.	Merit PART No.	Stancor THORDARSON PART No.	NOTES
T1	117VAC @ 1A 640VCT 6.3VAC @ .198A SEC. 1 SEC. 2 SEC. 3 SEC. 4 SEC. 5	161000-237	161000-237		

TRANSFORMER (AUDIO OUTPUT)

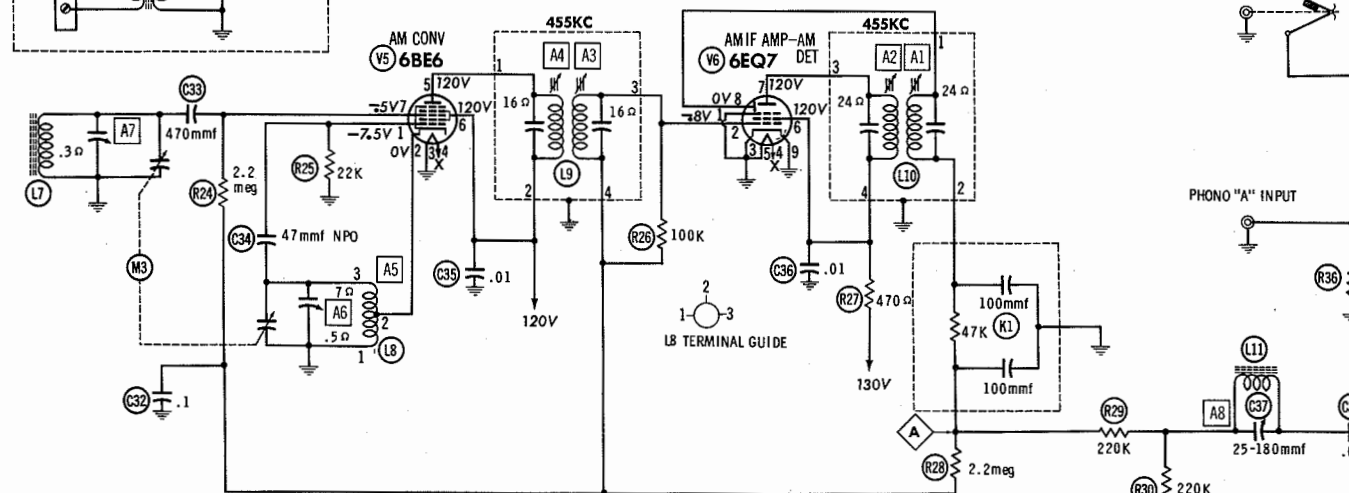
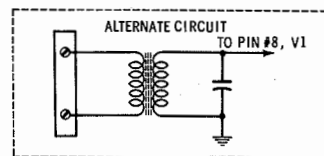
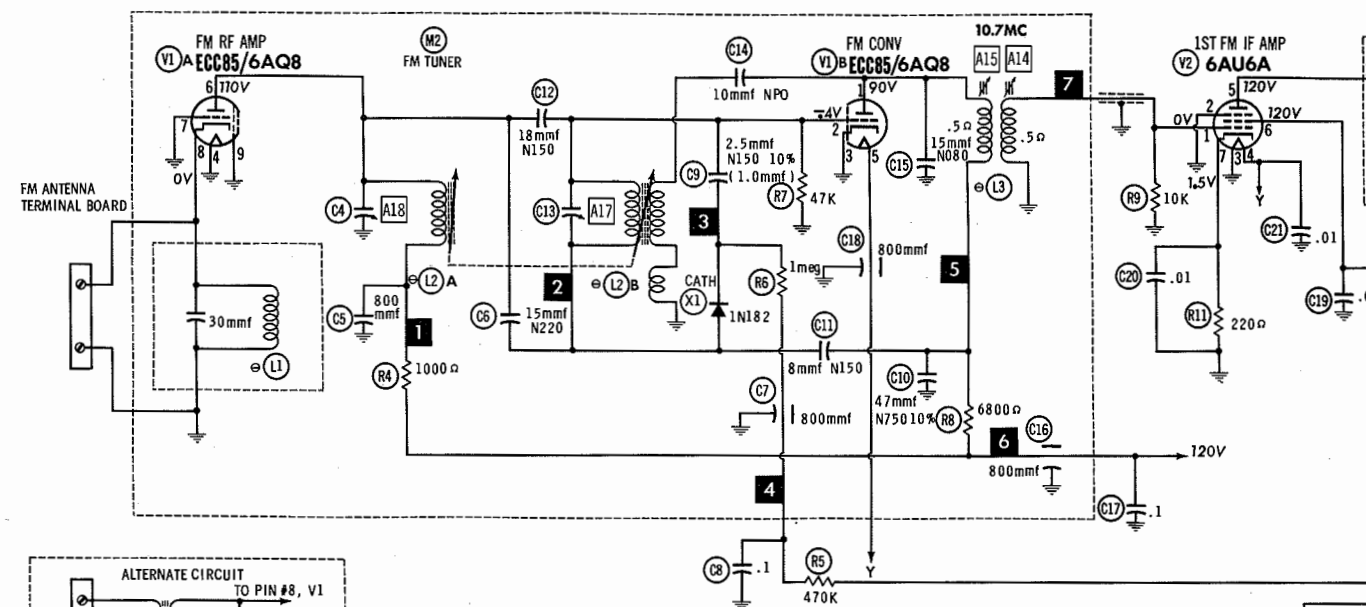
ITEM No.	IMPEDANCE	REPLACEMENT DATA			
		Stromberg-Carlson PART No.	Merit PART No.	Stancor THORDARSON PART No.	NOTES
T2	600Ω	161000-184	A-2902	22588	S-55X
T3	600Ω	161000-184	A-2902	22588	S-55X

SPEAKER

ITEM No.	TYPE	SIZE	FIELD	V. C. IMP.	REPLACEMENT DATA		NOTES
					Stromberg-Carlson PART No.	QUAM PART No.	
SP1	12"	PM	14-363	155009-086*	12A4A216		* All Models using Amp. Chassis ASR-120 except SP-771, RP-781
SP2	9"x 9"	PM	8-60	155009-084	69A228		
SP3	9"x 5"	PM	8-60	155009-085*	35A0528		
SP4	12"	PM	14-363	155009-086*	12A4A216		
SP5	6"x 9"	PM	8-60	155009-084	69A228		
SP6	9"x 5"	PM	8-60	155009-084	35A0528		
	15"	PM		155009-084			
	3"x 5"	PM		155009-087			
	3"x 5"	PM		155009-088			

FUSES

ITEM No.	TYPE	RATING	REPLACEMENT DATA			
			Stromberg-Carlson PART No.	LITTELFUSE PART No.	BUSS PART No.	
M5	3AG P/G	3A	555020-325	318003	FUSE HOLDER	QJV 3



RESISTANCE READINGS

ITEM	TUBE	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8	Pin 9
V1	ECC85 6AQ8	† 7000 Ω	47K	0 Ω	FIL	FIL	† 1300 Ω	0 Ω	.1 Ω	NC
V2	6AU6A	.5 Ω	0 Ω	FIL	FIL	† 1K	† 1K	220 Ω		
V3	6AU6A	2 Ω	0 Ω	FIL	FIL	† 1K	† 1200 Ω	220 Ω		
V4	6AU6A	100K	0 Ω	FIL	FIL	† 22K	† 22K	0 Ω		
V5	6BE6	22K	1 Ω	FIL	FIL	† 330 Ω	† 330 Ω	5 meg		
V6	6EQ7	0 Ω	2.8 meg	0 Ω	FIL	FIL	† 470 Ω	† 470 Ω	500K	0 Ω

† MEASURED FROM OUTPUT OF X4.
NC NO CONNECTION

SEE PARTS LIST FOR ALTERNATE
VALUE OR APPLICATION

- DC voltage measurements taken with vacuum tube voltmeter; AC voltages measured with 1000 ohm per volt voltmeter.
- Socket connections are shown as bottom views.
- Measured values are from socket pin to common ground.
- Line voltage maintained at 117 volts for voltage readings.
- Nominal tolerance on component values makes possible a variation of ±15% in voltage and resistance readings.
- Volume control at maximum, no signal applied for voltage measurements.

A PHOTOFAC STANDARD NOTATION SCHEMATIC
with CIRCUITRACE

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TUNER SCHEMATIC

TUNER PARTS LIST AND DESCRIPTIONS

TUBES

ITEM No.	• AMPEREX •		GENERAL ELECTRIC		RCA		RAYTHEON		• SILVANIA •	
	USE	TYPE	ITEM No.	USE	ITEM No.	USE	ITEM No.	USE	ITEM No.	TYPE
V1	FM RF Amp. -FM Conv.	EC085/6AQ8	V4	FM Limiter			V4	FM Limiter	6AU6A	
V2	1st FM IF Amp.	6AU6A	V5	AM Converter			V5	AM Converter	6BE6	
V3	2nd FM IF Amp.	6AU6A	V6	AM IF Amp. -AM Det.			V6	AM IF Amp. -AM Det.	6EQ7	

POWER RECTIFIERS & SIGNAL DIODES

ITEM No.	CURRENT RATING (Measured)	ORIGINAL Part or Type No.	RECTIFIERS		DIODES	NOTES
			RCA PART No.	SARKES TARZIAN PART No.	RAYTHEON PART No.	
X1		IN182				
X2		IN541				
X3		IN541				
X4	.058A	162000-052	IN1763	40H		
						FM AFC
						Ratio Detector (Matched Pair)
						Silicon Rectifier (IN1763)

ELECTROLYTIC CAPACITORS

ITEM No.	CAP.	VOL.	REPLACEMENT DATA			
			AEROVOX PART No.	CORNELL-DUBILIER PART No.	GENERAL ELECTRIC PART No.	SPRAGUE PART No.
C1	50	200	PR51885	BR50-250	QTI-16	TD-60-250
C2	40	200	AFH2-29	CO874	XC2-24	TMD-2250
C3	40	150	PR51470	BR30-150	QTI-13	TD-20-150
C4	10	25	PR51050	BBR10-25	MTI-5	TD-10-25

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

FIXED CAPACITORS

ITEM No.	RATING	REMARKS	REPLACEMENT DATA			
			AEROVOX PART No.	CORNELL-DUBILIER PART No.	ELMENDO PART No.	MALLORY PART No.
C4			BPD-0008	DD-801	CCD-801	B-382
C5	800		EF-5-1000	FT-1000	CCF-102	CT254A
C6	15 N220		P288N-1		2DP-3-104	GEM-201
C7	800					
C8	.1 200V					
C9	2.5mmf N150 10%	(U) †	NT50-DI 47	TCN-47	CCTN-470	CNT-447
C10	47 NT50 10%					
C11	8 N150					
C12	18 N150					
C13	10 NPO		NPO-DI 10	DTZ-10	CCTO-100	CNO-410
C14	15 N080		EF-5-1000	FT-1000	CCF-102	CT254A
C15	800		P288N-1		2DP-3-104	GEM-201
C16	.1 200V					
C17						

FIXED CAPACITORS(cont)

ITEM No.	RATING	REMARKS	REPLACEMENT DATA			
			AEROVOX PART No.	CORNELL-DUBILIER PART No.	ELMENDO PART No.	MALLORY PART No.
C18	800		EF-5-1000	FT-1000	CCF-102	CT254A
C19	.01		BPD-01	DD-103	CCD-103	B-110
C20	.01		BPD-01	DD-103	CCD-103	B-110
C21	.01		BPD-01	DD-103	CCD-103	B-110
C22	.01		BPD-01	DD-103	CCD-103	B-110
C23	.01		BPD-01	DD-103	CCD-103	B-110
C24	.01		BPD-01	DD-103	CCD-103	B-110
C25	.01		BPD-01	DD-103	CCD-103	B-110
C26	.01		BPD-01	DD-103	CCD-103	B-110
C27	.01		BPD-01	DD-103	CCD-103	B-110
C28	.01		BPD-01	DD-103	CCD-103	B-110
C29	.01		BPD-01	DD-103	CCD-103	B-110
C30	.01		BPD-01	DD-103	CCD-103	B-110
C31	.05 200V		P288N-05	2DP-3-503	GEM-415	
C32	.1 200V		P288N-1	4DP-3-104	GEM-201	
C33	470		NPO-DI 47	DTZ-47	CCTO-470	CNO-447
C34	47 NPO		BPD-01	DD-103	CCD-103	B-110
C35	.01		BPD-01	DD-103	CCD-103	B-110
C36	.01		BPD-01	DD-103	CCD-103	B-110
C37	25-100		P288N-05	DD-503	CCD-221	GEM-415
C38	.05 200V					
C39	220		BPD-00068	DD-561	CCD-661	B-366
C40	680					
C41	.001		BPD-001	DD-102	CCD-102	B-210
C42	220		DI-220	DD-221	CCD-221	GF322
C43	.002		BPD-002	DD-202	CCD-202	B-210
C44	220					
C45	680		BPD-00068	DD-661	CCD-661	B-366
C46	.001		BPD-001	DD-102	CCD-102	B-210
C47	220		DI-220	DD-221	CCD-221	GF322
C48	.002		BPD-002	DD-202	CCD-202	B-210
C49	.001		BPD-001	DD-102	CCD-102	B-210
C50	.001		BPD-001	DD-102	CCD-102	B-210
C51	.01		BPD-01	DD-103	CCD-103	B-110

Stromberg-Carlson Part Number.
* Not normally in distributor's stock. Available thru distributor on order to manufacturer.
† Alternate Value.

CONTROLS

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

ITEM No.	USE	RESIST-ANCE	REPLACEMENT DATA		
			STROMBERG-CARLSON PART No.	CENTRALAB PART No.	CLAROSTAT PART No.
R1A	Volume, A	2meg. 650K Tap	145000-035		
B	Volume, B	2meg. 650K Tap			
R2A	Treble, A	2meg.	145000-033	B-76, SR-76	AD47-2meg-Z, FS-3
B	Treble, B	2meg.			
R3A	Base, A	5meg.	145000-034		
B	Base, B	5meg.			

① Use Extra Mounting Nut.
■ "STA-LOC" Equivalent: FE26T75, OS862A, RU26T75, IS875

TUNER PARTS LIST AND DESCRIPTIONS (Continued)

RESISTORS

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

ITEM No.	RATING	REMARKS	REPLACEMENT DATA			
			IRC PART No.	WORKMAN PART No.	IRC PART No.	WORKMAN PART No.
R4	1000Ω					
R5	470K					
R6	1Meg					
R7	47K					
R8	6800Ω					
R9	10K					
R10	1000Ω					
R11	220Ω					
R12	1000Ω					
R13	220Ω					
R14	220Ω					
R15	100K					
R16	22K					
R17	47K					
R18	1000Ω					
R19	1500Ω					
R20	6800Ω					
R21	6800Ω					
R22	150Ω					

† Alternate Value.

COILS (RF-IF)

ITEM No.	USE	REPLACEMENT DATA			
		Stromberg-Carlson PART No.	Merit PART No.	Miller PART No.	Stancor PART No.
L1	FM Ant.				
L2	FM RF				
L3	1st FM IF				
L4	2nd FM IF				
L5	3rd FM IF				
L6	Ratio Detector				
L7	Loopstick				
L8	AM Osc.				
L9	1st AM IF				
L10	2nd AM IF				
L11	10KC Filter (2H)				
L12	Full Choke (5.6uh)				

FILTER CHOKE

ITEM No.	CURRENT (Measured)	DC RES.	RATINGS			
			INDUCTANCE (0 CURRENT 1000~)	STROMBERG-CARLSON PART No.	STANCO THORARSON PART No.	TRIAD PART No.
L13	.058A	110Ω	1.9HY	161000-III		

COMPONENT COMBINATIONS

ITEM No.	USE	DESCRIPTION	REPLACEMENT DATA
K1	AM Detector Filter	100mmf, 47K	Stromberg-Carlson PART No. 110478-000 Aerovox Centralab Sprague PA-87 FC50 D-1

FOLDER 9

STROMBERG-CARLSON
CHASSIS ASR-110, ASR-120, SR-130

WIRING DATA

General-use Unshielded Hook-up Wire	Use BELDEN No. 8530 (Solid) Available in 12 Colors 8524 (Stranded) Available in 12 Colors 1706 (Plastic) or 17126 (Rubber) - 6 Ft. 1708 (Plastic) or 1728 (Rubber) - 9 Ft.
Power Cord	Use BELDEN No. 8874 (Rubber) or 8895 (Plastic) Use BELDEN No. 8401 or 8421
Power Cord (Interlock Type)	Use BELDEN No. 8874 (Rubber) or 8895 (Plastic) Use BELDEN No. 8401 or 8421
Low-Loss Shielded Lead (Interconnecting)	Use BELDEN No. 8430 (Two Conductor-Unshielded) 8429 (Two Conductor-Shielded)
Phono Pick-up Arm Cable	Use BELDEN No. 8419 (Three Conductor-Shielded)

MISCELLANEOUS

ITEM No.	PART NAME	Stromberg-Carlson PART No.	NOTES
M2	FM Tuner Assy.	164000-022	
M3	Tuning Cap.	110000-027	
M4	Switch	158000-162	

CABINETS & CABINET PARTS

(When Ordering Cabinets & Cabinet Parts, Specify Model, Chassis & Color)

ITEM No.	NAME	PART NO.	REPLACEMENT DATA			
			ASTATIC PART No.	ELECTRO-VOICE PART No.	SONOTONE PART No.	NOTES
M1	148000-100	148000-102	IT-D	N41SD*	97TS-D	N-97S-D*
				26D	2604D*	2605*

Tuner	Models RP-761, RP-763, RP-766
Tuner	Models RP-721, RP-723, RP-726
Tuner	Models RP-761, RP-766, RP-763
Gold, Models SP-741, SP-746, SP-743	
Chrome, SP-711, SP-716, SP-713	
Models RP-721, RP-726, RP-723	
Volume (inner) Models SP-711, SP-716, SP-713, RP-721, RP-726, RP-723	
Volume (outer) Models SP-741, SP-746, SP-743, RP-761, RP-766, RP-763	
Volume (outer) Models SP-711, SP-716, SP-713, RP-721, RP-726, RP-723	
Base, Treble, Models SP-741, SP-746, SP-743, RP-761, RP-766, RP-763	
Base, Treble, Models SP-711, SP-716, SP-713, RP-721, RP-726, RP-723	

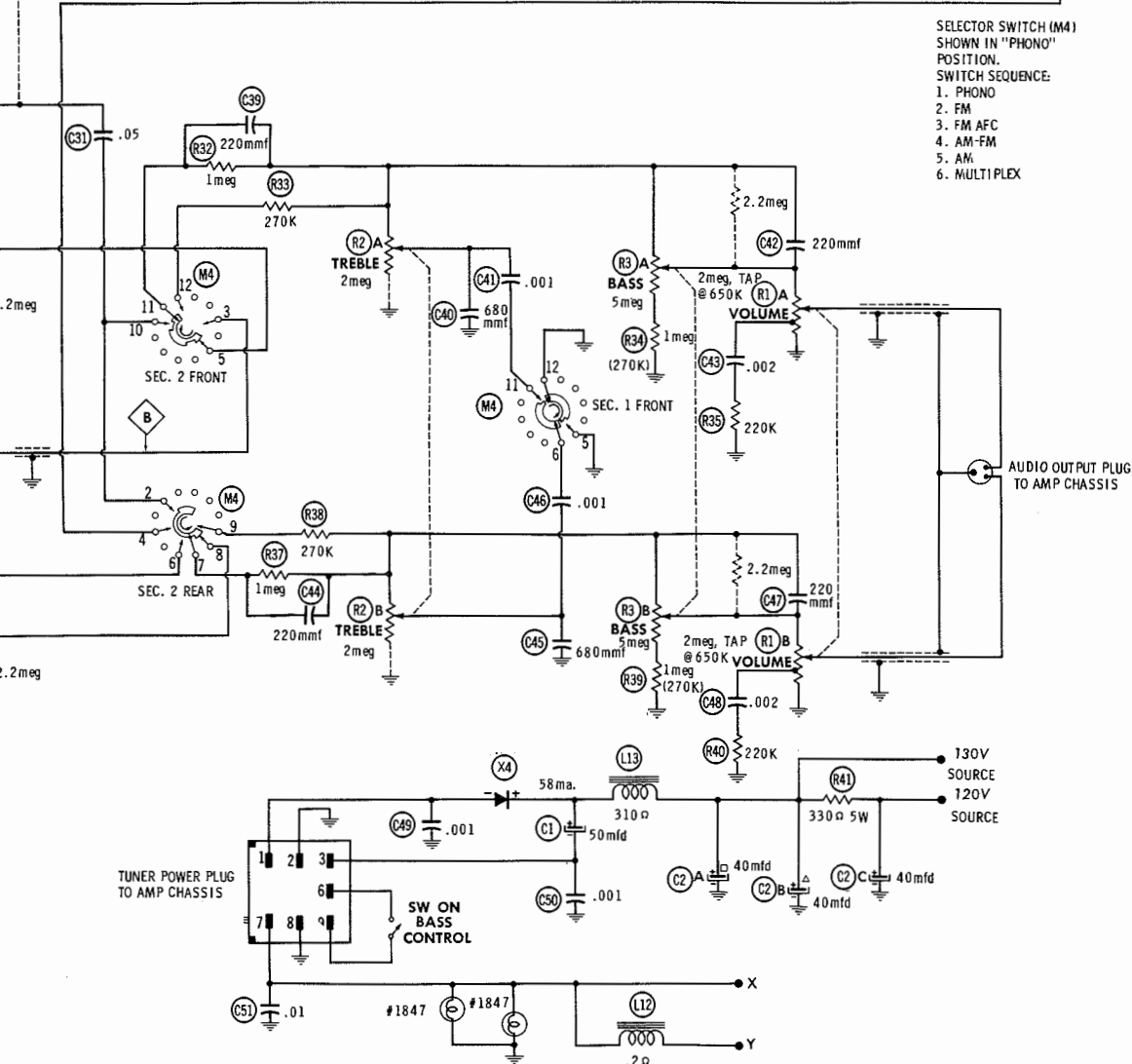
144000-015	Dial Pointer
122000-100	Dial Glass
134000-152	Knob
125000-032	Escutcheon
125000-131	Escutcheon
125000-133	Escutcheon
125000-144	Knob
134000-145	Knob
134000-146	Knob
134000-147	Knob
134000-151	Knob
134000-154	Knob

144000-015	Dial Pointer
122000-100	Dial Glass
134000-152	Knob
125000-032	Escutcheon
125000-131	Escutcheon
125000-133	Escutcheon
125000-144	Knob
134000-145	Knob
134000-146	Knob
134000-147	Knob
134000-151	Knob
134000-154	Knob

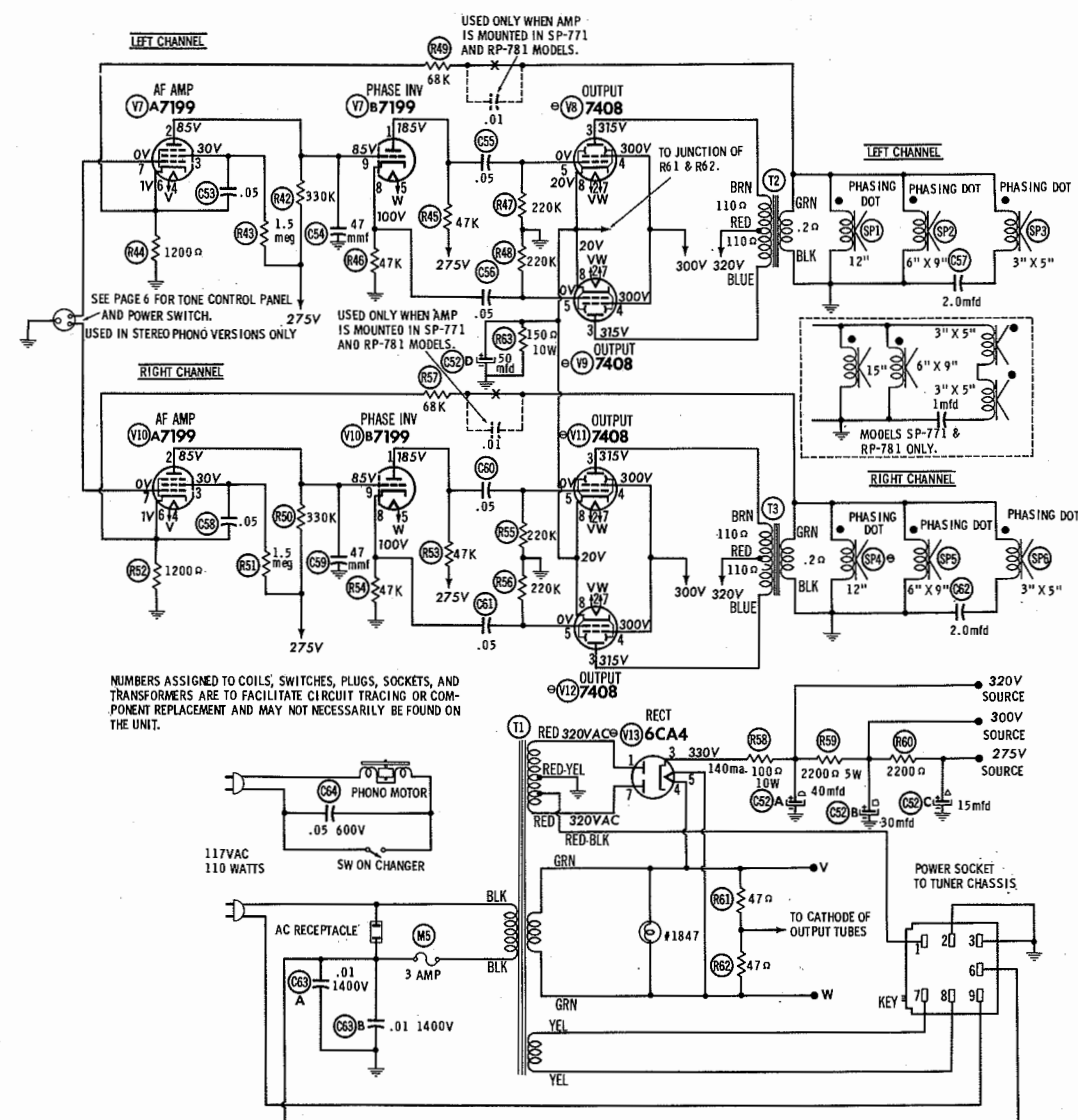
WIRING DATA

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Phono Pick-up Arm Cable	Use BELDEN No. 8419 (Three Conductor-Shielded)

SELECTOR SWITCH (M4)
SHOWN IN "PHONO"
POSITION.
SWITCH SEQUENCE:
1. PHONO
2. FM
3. FM AFC
4. AM-FM
5. AM
6. MULTIPLEX



**STROMBERG-CARLSON
CHASSIS SR-130**



ITEM	TUBE	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8	Pin 9
V7	7199	±52K	±335K	11.5meg	FIL	FIL	1200 Ω	▲400K	47K	±335K
V8	7408	TP	FIL	±220 Ω	±2300 Ω	220K	NC	FIL	150 Ω	
V9	7408	NC	FIL	±220 Ω	±2300 Ω	220K	NC	FIL	150 Ω	
V10	7199	±52K	±335K	11.5meg	FIL	FIL	1200 Ω	▲400K	47K	±335K
V11	7408	NC	FIL	±220 Ω	±2300 Ω	220K	NC	FIL	150 Ω	
V12	7408	NC	FIL	±220 Ω	±2300 Ω	220K	TP	FIL	150 Ω	
V13	6CA4	75 Ω	NC	11meg	FIL	FIL	NC	75 Ω	NC	NC

Ⓢ SEE PARTS LIST FOR ALTERNATE

- TABLE 1**
- | TEST | TEST VALUE OR APPLICATION |
|------|---|
| 1. | DC voltage measurements taken with vacuum tube voltmeter; |
| 2. | AC voltages measured with 1000 ohm per volt voltmeter. |
| 3. | Socket connections are shown as bottom views. |
| 4. | Measured values are from socket pin to common ground. |
| 5. | Line voltage maintained at 117 volts for voltage readings. |
| 6. | Nominal tolerance of component values makes possible a variation of $\pm 1\%$ in voltage and resistance readings. |
| 7. | All controls at minimum, proper output load connected. |

9 THIS READING WILL VARY DEPENDING UPON THE CONDITION OF THE ELECTROLYTIC IN THE CIRCUIT.
THIS READING WILL VARY, CONTROL SET FOR NORMAL OPERATION. NC NO CONNECTION
† MEASURED FROM PIN 3 OF V13

A PHOTOFACIT STANDARD NOTATION SCHEMATIC
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**STROMBERG-CARLSON
CHASSIS ASR-120**

ASR -120 SCHEMATIC