

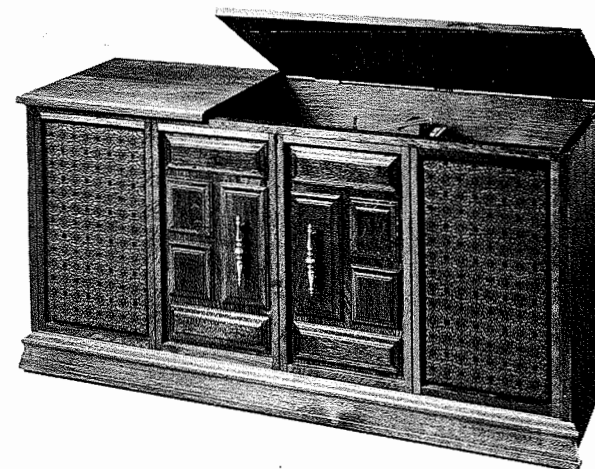
FOLDER 5
SET 1130

SYMPHONIC MODELS 6206WA/
07MA/08PC, 6400WA (Ch. R-823)

PHOTOFACT® Folder

with CIRCUITRACE™

For Supplier Address See PHOTOFACT Index



MODEL 6208PC
RECORD CHANGER SERVICING

ADJUSTMENTS

TONE ARM SETDOWN

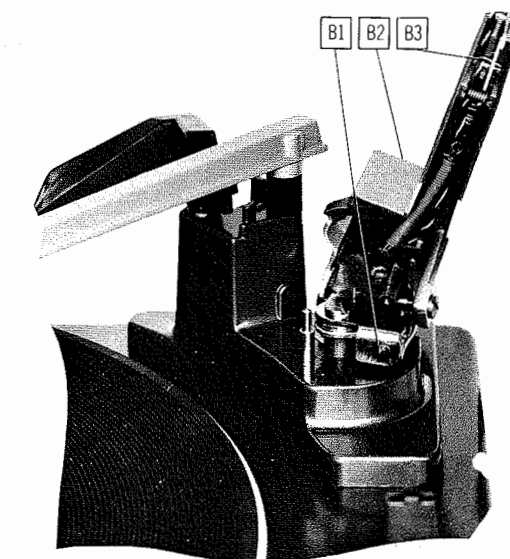
Adjust screw B1 so the needle sets down in the center of the lead-in groove on a 12-inch record. Turning the screw clockwise moves the set-down point inward.

TONE ARM HEIGHT

Adjust B2 so the top of the tone arm clears a 12-inch record on the center spindle shelf during the change cycle. Turning B2 clockwise decreases the lift-up height.

NEEDLE PRESSURE

Nominal pressure 6 grams. Adjust the tension of the tone-arm tension spring by moving the spring in Anchor B3 to obtain correct needle pressure. Increasing the tension of the spring decreases needle pressure.



CLEANING

Use a cloth dampened with isopropyl alcohol to clean the driving surfaces of the idler wheel, motor shaft and inside rim of the turntable.

LUBRICATION

Apply light nonhardening grease to sliding cam surfaces and pivot points, light machine oil on the tone arm lift rod, idler wheel bearings, and motor bearings.

DO NOT lubricate turntable driving surface, the teeth on cycling gear or turntable hub.

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. UN745

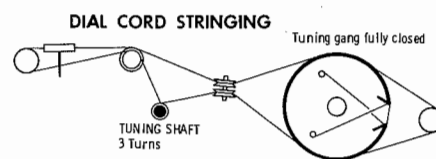
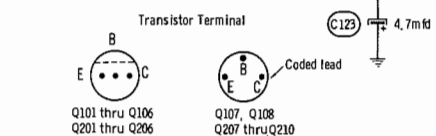
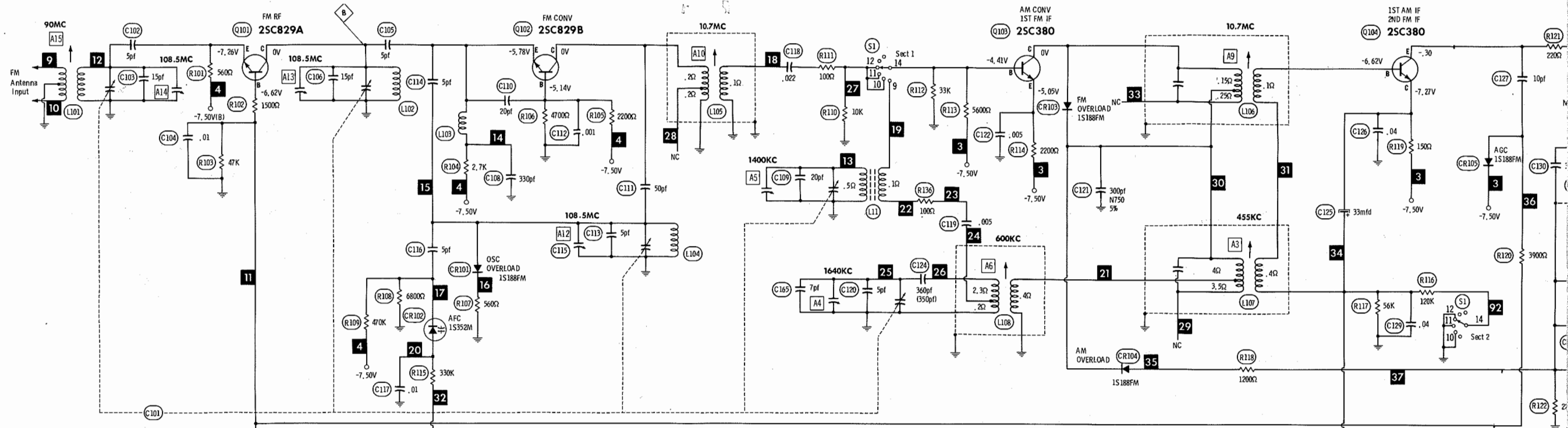
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DATE 10-70

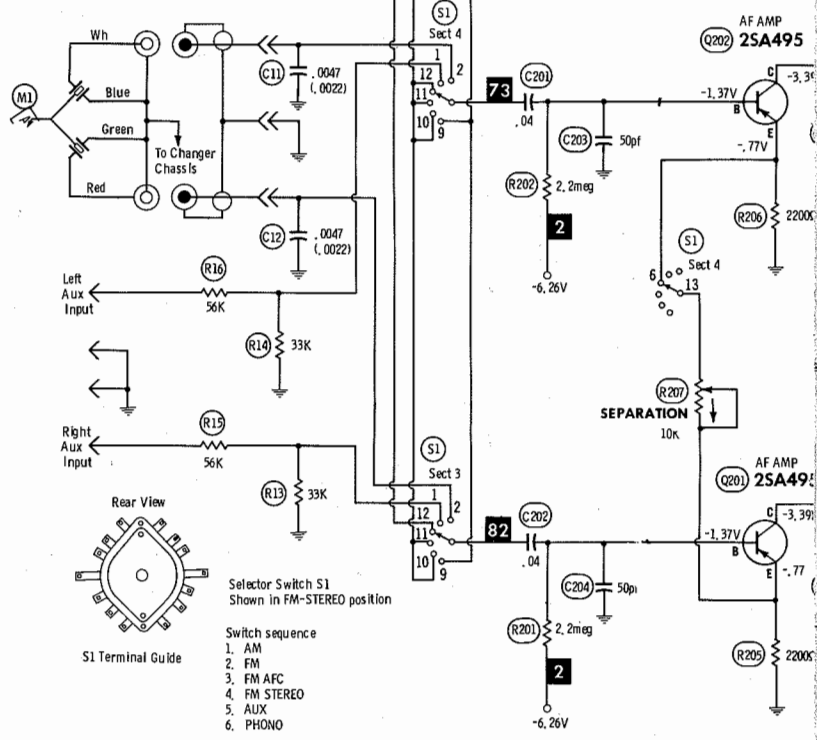
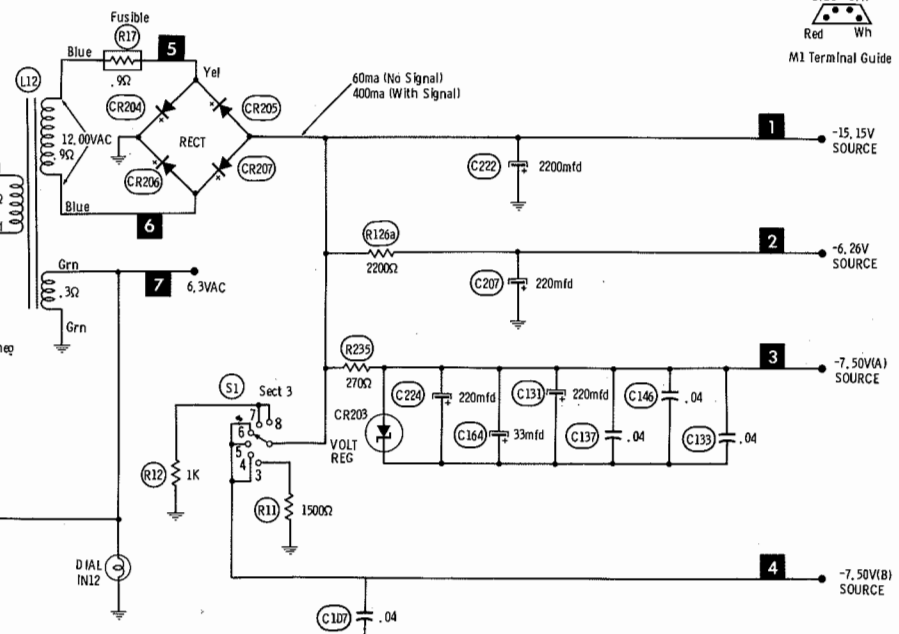
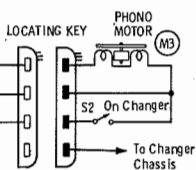
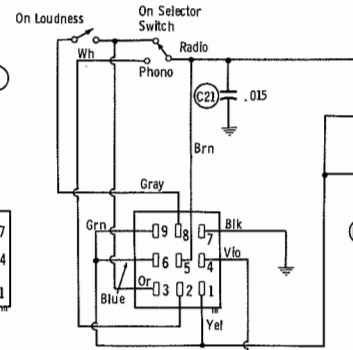
SET 1130 FOLDER 5

SYMPHONIC MODELS 6206WA/
07MA/08PC, 6400WA (Ch. R-823)

SET 1130 FOLDER 5

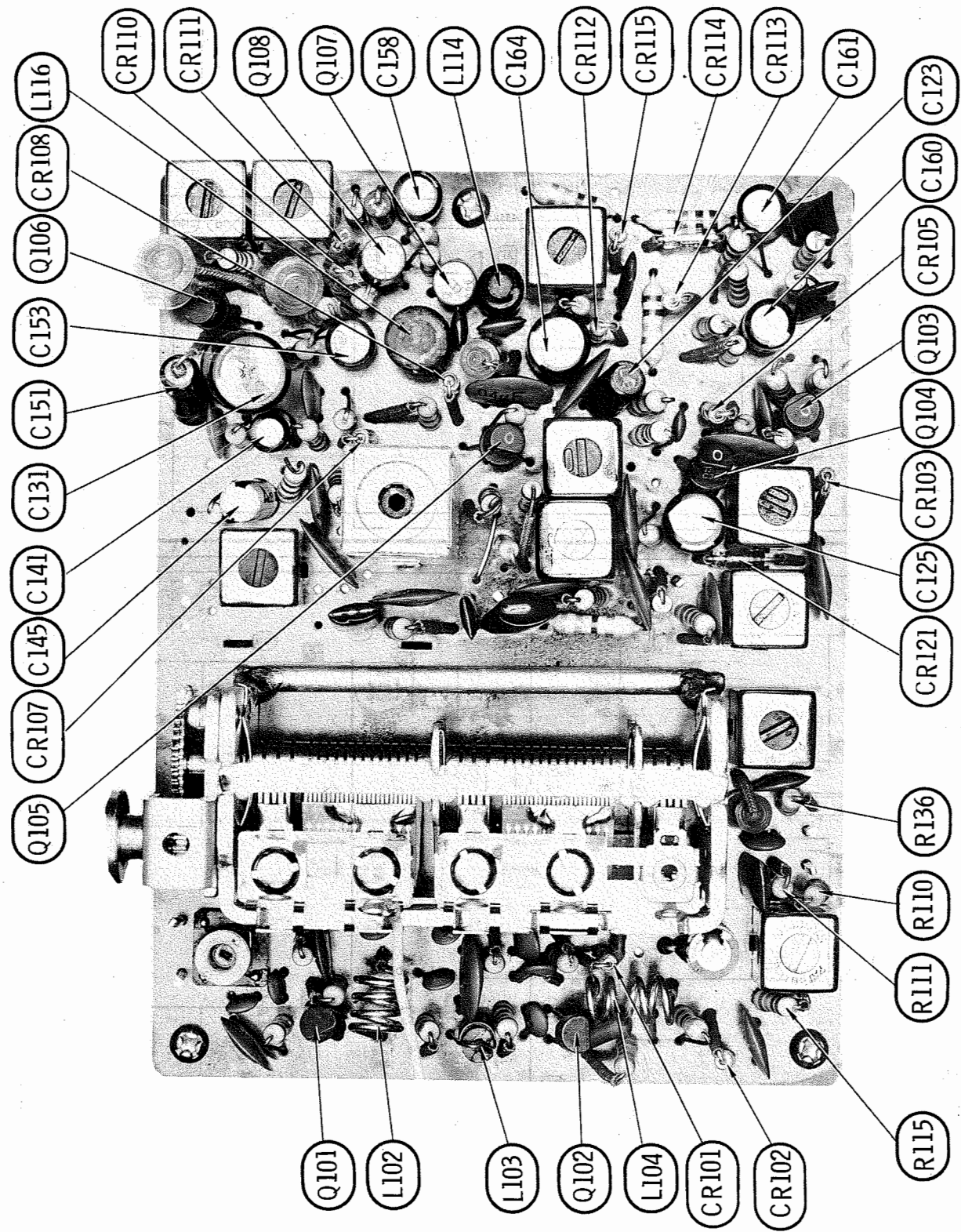
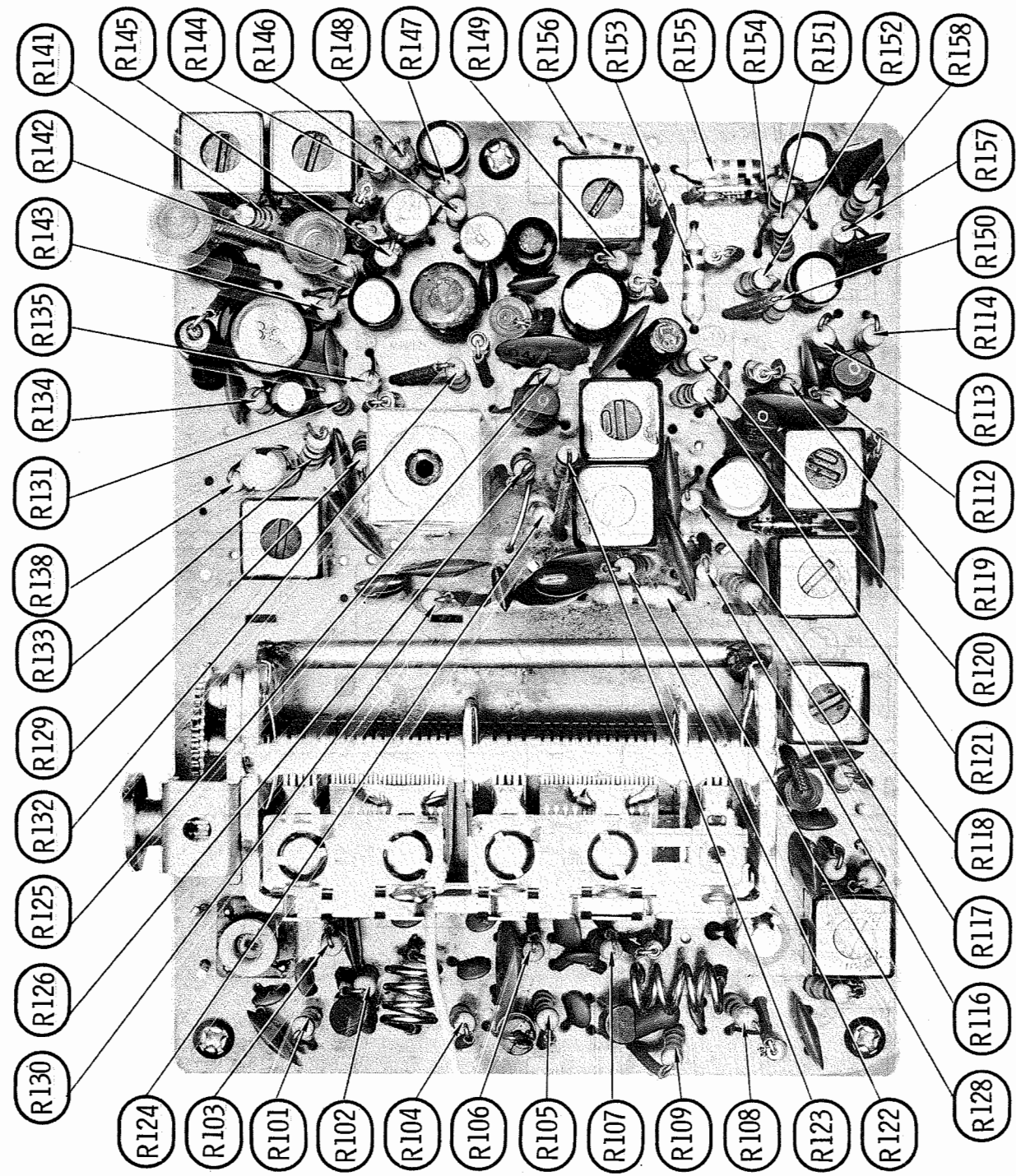


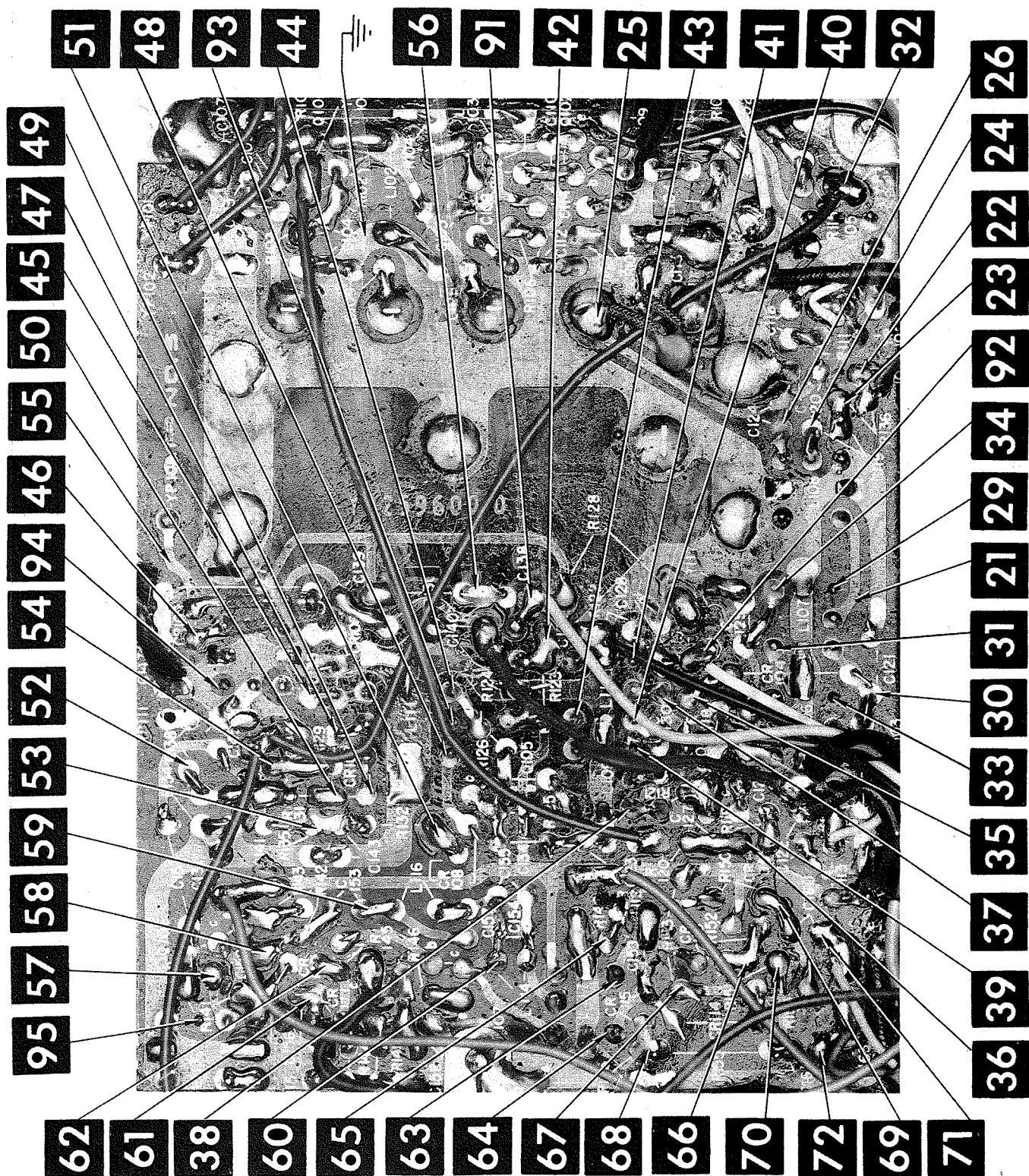
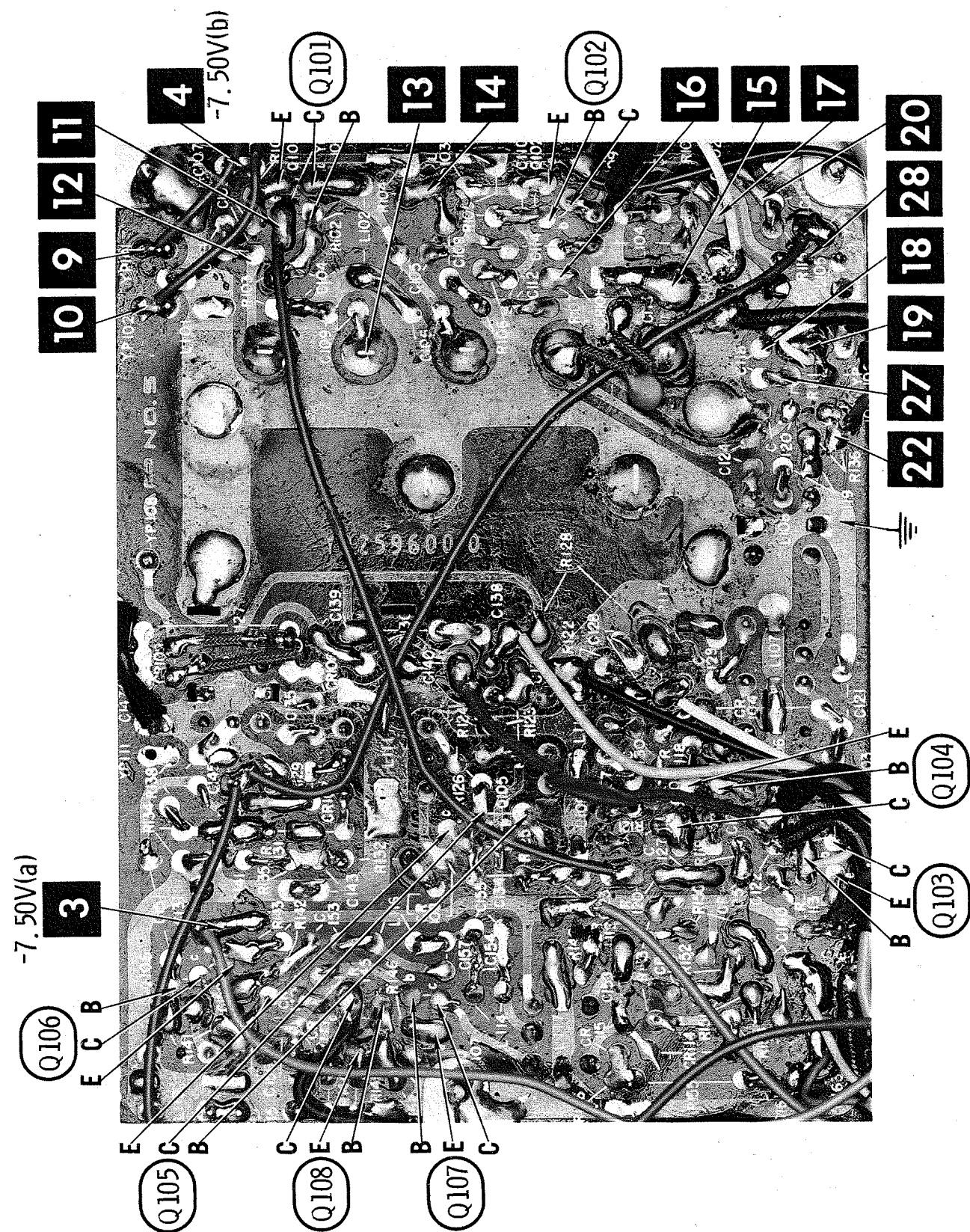
117VAC
 500ma
 (Less Charger)

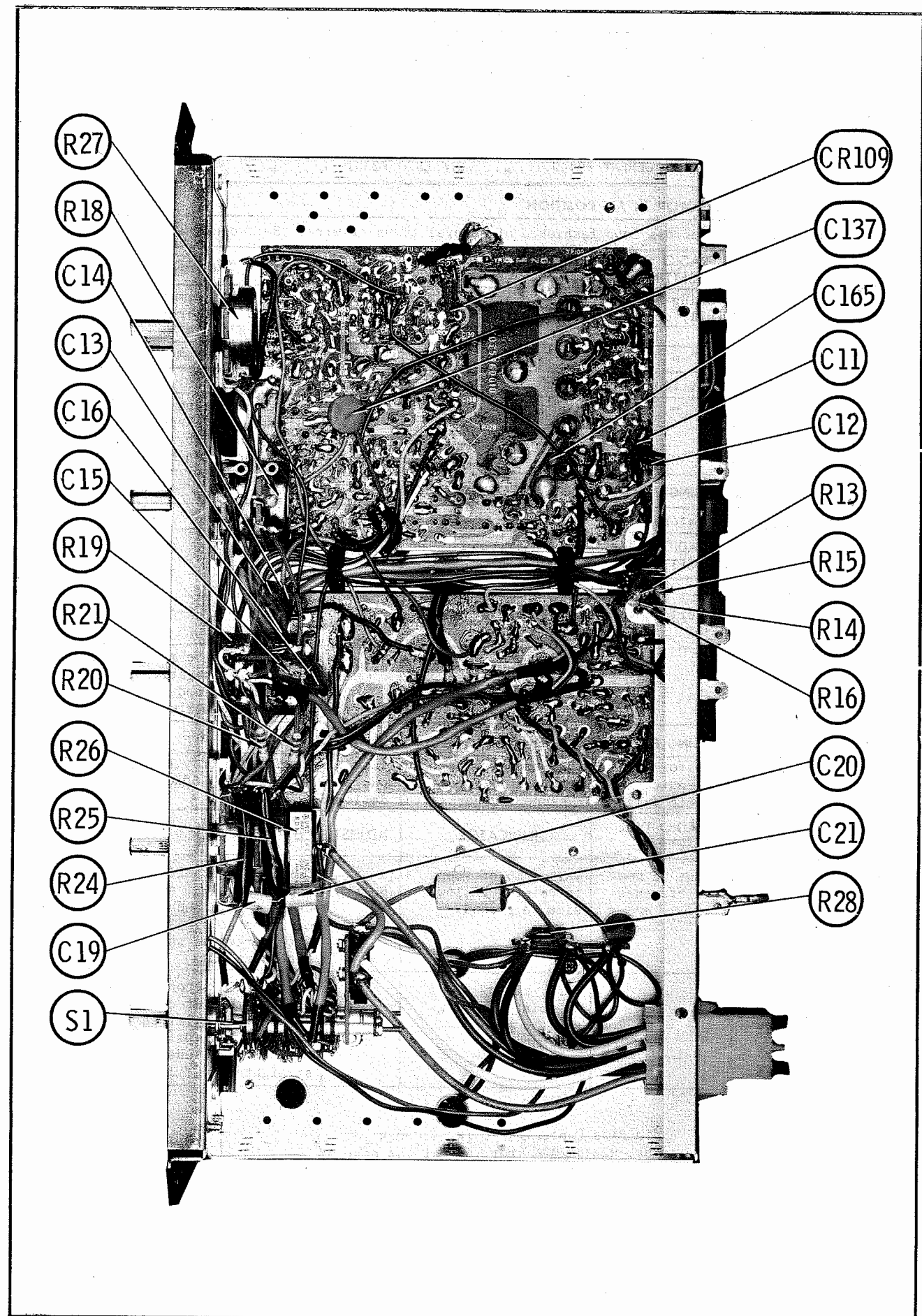
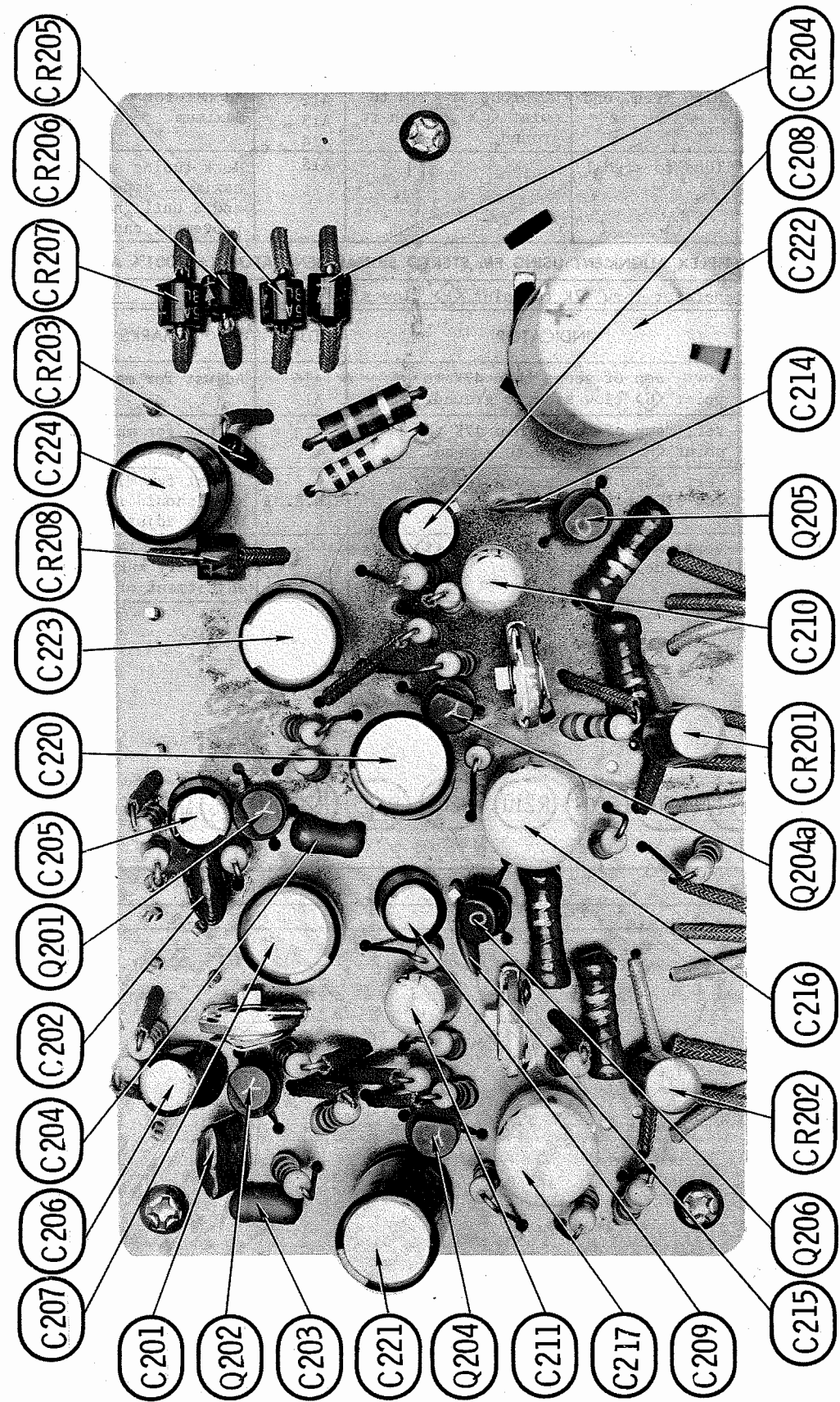


Denotes ground (Measurement reference unless otherwise indicated).
 - - - Indicates connection used in some versions.
 * Indicates connection not used in some versions.
 * Omitted in some versions.
 e See parts list.
 Measurements taken with switching in position shown unless otherwise indicated.
 ▲ Measured with switching in "AM" position.
 Values shown in () are used in some applications.
 Resistors are 1/2W or less, 10% or 20%, unless otherwise indicated.
 Supply voltage maintained at rated value for measurements.
 Voltage and resistance measured with VTVM or equivalent meter, no signal applied and controls adjusted for normal operation.
 Controls viewed from actuator end. Arrow indicates clockwise rotation.
 Numbers assigned to terminals may not be found on the unit.
 Transistor resistances vary widely. No resistance measurements taken.

A PHOTOFAC STANDARD NOTATION SCHEMATIC
 with **CIRCUITRACE**
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ALIGNMENT INSTRUCTIONS

CAUTION: Use isolation transformer or observe polarity when connecting test equipment. Maintain line voltage at 117VAC. Allow a 15-minute warm-up period. Use only enough generator output to obtain a suitable indication. Suggested Alignment Tools:
A1 thru A6, A8 thru A10, A12 thru A14, A16 thru A18..GENERAL CEMENT #8606,8606L,8869
WALSCO #2543,2544,2588
A7, A11.....GENERAL CEMENT #9296,9297,9300..WALSCO #2510,2546,2547
A15.....GENERAL CEMENT #9440.....WALSCO #2501.

AM ALIGNMENT—SELECTOR IN AM POSITION

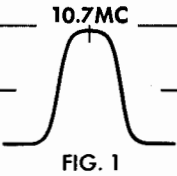
Connect generator across loop fashioned of several turns of wire. Set volume at maximum.

	GENERATOR FREQUENCY	RADIO DIAL SETTING	INDICATOR	ADJUST	REMARKS
1.	455KC 400 cycle modulation	Tuning gang fully open.	Output Meter across voice coil.	A1,A2 A3	Adjust for maximum. Repeat until no further improvement can be made.
2.	1640KC	"	"	A4	Adjust for maximum.
3.	1400KC	Tune to signal	"	A5	"
4.	600KC	"	"	A6	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 \diamond , low side to ground.

	GENERATOR FREQUENCY	RADIO DIAL SETTING	INDICATOR	ADJUST	REMARKS
5.	10.7MC Unmodulated	Point of non-interference	DC probe of VTVM to point \diamond , common to ground.	A7,A8 A9, A10	Adjust for maximum.
6.	"	"	DC probe of VTVM to point \diamond , common to ground.	A11	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 of generator thru .001mfd to point \diamond , low side to ground. Use only enough marker signal for indication. Use 60 cycle frequency modulated signal with 450KC sweep. Use 60 cycle sawtooth voltage in scope for horizontal deflection.

	GENERATOR FREQUENCY	RADIO DIAL SETTING	INDICATOR	ADJUST	REMARKS
5.	10.7MC 450KC Sweep	Point of non-interference	Vert. amp of scope to point \diamond , low side to ground.	A7, A8 A9, A10	Disconnect stabilizing capacitor C141. Adjust for maximum gain and symmetry of response similar to Fig.1 with marker as shown. Reconnect C141.
6.	"	"	Vert. amp of scope to point \diamond , low side to ground.	A11	Adjust A11 (secondary) to place marker at center of "S" curve similar to Fig. 2. Readjust A7 (primary) for maximum amplitude and straightness of line.

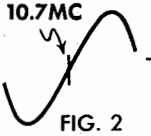
Audio Bias Control Adj. (R221&R202A)
Adjust R221&R202A for .65V at the base of Q205 & Q206 for Right & Left Ch. respectively.

ALIGNMENT INSTRUCTIONS (Continued)

FM RF ALIGNMENT—SELECTOR IN FM POSITION

Connect generator across antenna terminals with 120-ohm carbon resistor in series with each lead.

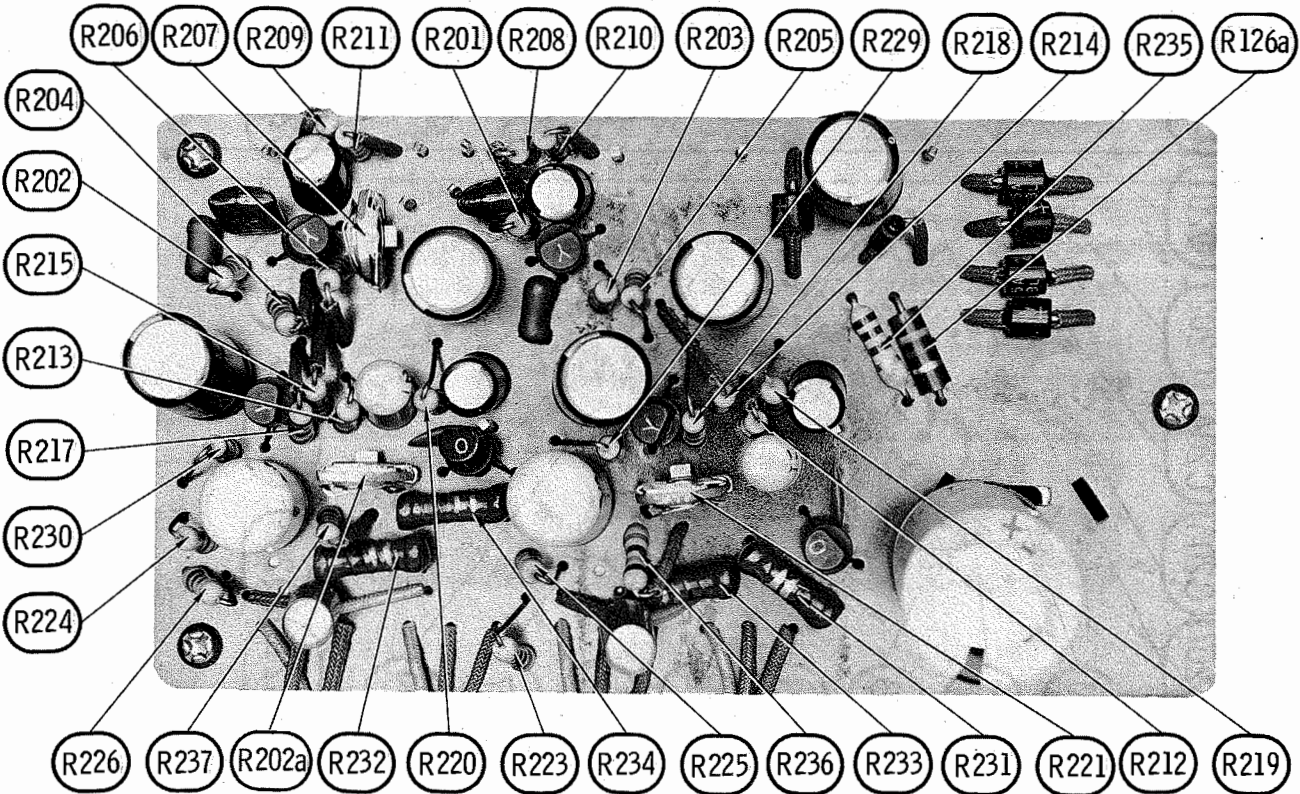
	GENERATOR FREQUENCY	RADIO DIAL SETTING	INDICATOR	ADJUST	REMARKS
7.	108.5MC	High freq. end	DC probe of VTVM to point \diamond , common to ground.	A12 A13 A14	Adjust for maximum.
8.	90MC Unmodulated	Tune to signal.	"	A15	Rock tuning and adjust for maximum. Repeat steps 7 and 8 until no further improvement can be made.



FM STEREO MULTIPLEX ALIGNMENT USING FM STEREO SIGNAL GENERATOR ($\pm .0001\%$ ACCURACY)

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

	GENERATOR FREQUENCY	INDICATOR	ADJUST	REMARKS
9.	19KC	Vert. amp of scope thru 47K to point \diamond , low side to ground.	A16 A17	Adjust for maximum.
10.	"	Vert. amp of scope thru 47K to point \diamond , low side to ground.	A18	Adjust for maximum 38KC response.
11.	Modulated Left Channel	Vert. amp of scope to point \diamond , low side to ground.	A16,A17 A18,R207	Adjust for MINIMUM. This step should require only slight adjustment.
12.	Modulated Right Channel	Vert. amp of scope to point \diamond , low side to ground		Check for MINIMUM. If necessary make compromise adjustment of A16,A17,A18&R207



SYMPHONIC MODELS 6206WA/
07MA/08PC, 6400WA (Ch. R-823)

FOLDER 5

PARTS LIST AND DESCRIPTION (CONTINUED)

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

TRANSFORMER (Power)

ITEM No.	RATING		REPLACEMENT DATA				NOTES
			MFG. PART No.	STANCOR PART No.	THORDARSON PART No.	TRIAD PART No.	
	PRI.	SEC. 1					
L12	117VAC @.50AAC	12VAC @.4ADC Max	TS1480807				
	SEC. 2	SEC. 3					
	6.3VAC @ .16AAC Max						

SPEAKER

ITEM No.	TYPE	REPLACEMENT DATA		NOTES
		MFR. PART No.	QUAM PART No.	
SP1	8" PM, 8 ohms	SP-851	8ATPA	8ATPA
SP2	3" PM, 8 ohms	SP-305		
SP3	3" PM, 8 ohms	SP-305		
SP4	8" PM, 8 ohms	SP-851		
SP5	3" PM, 8 ohms	SP-305		
SP6	3" PM, 8 ohms	SP-305		

PHONO CARTRIDGE & NEEDLES

ITEM No.	REPLACEMENT DATA								NOTES
	MFR. PART No.		ASTATIC PART No.		ELECTRO-VOICE PART No.		SONOTONE PART No.		
	CARTRIDGE	NEEDLE	CARTRIDGE	NEEDLE	CARTRIDGE	NEEDLE	CARTRIDGE	NEEDLE	
M1 M2	TN4BD	TN4D	133D N50SD	N56SD	5208d 3332ds	3332ds			

MISCELLANEOUS

ITEM No.	PART NAME	PART No.	NOTES
M3 S1 S2	Motor Switch Switch 45RPM Spindle Adaptor	60373 S-70	Selector (AM-FM-FM AFC-FM Stereo-Aux.-Phono) Power (On-Off) (On Changer)

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

ITEM	PART No.	PART No.	PART No.	PART No.
Cabinet, Back Cover	Model 6206WA	Model 6207MA	Model 6208PC	Model 6400WA
Escutcheon	BC-128	BC-129	BC-130	BC-123
Knob, Control	MP-194	MP-194	MP-194	MP-194
Knob, Tuning	KN-773 KN-774	KN-773 KN-774	KN-773 KN-774	KN-773 KN-774

PARTS LIST AND DESCRIPTION

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

WIRING DATA

General-use Unshielded Hook-up Wire	Use BELDEN No. 8530 (Solid) Available in 12 Colors: 8574 (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)

TRANSISTORS

ITEM No.	TYPE No.	FUNCTION	REPLACEMENT DATA					
			MFR. PART No.	GENERAL ELECTRIC PART No.	INTERNATIONAL RECTIFIER PART No.	MOTOROLA PART No.	RCA PART No.	SYLVANIA PART No.
Q101	2SC829(A)	FM RF Amp	HT308291A	GE-17	TR-22	HEP50	SK3018	ECG 108
Q102	2SC829(B)	FM Converter	HT308291B	GE-17	TR-22	HEP50	SK3018	ECG 108
Q103	2SC380(O)	AM Conv. 1st FM IF Amp	HT303801B	GE-20	TR-21	HEP56	SK3018	ECG 108
Q104	2SC380(O)	1st AM IF Amp 2nd FM IF Amp	HT303801B	GE-20	TR-21	HEP56	SK3018	ECG 108
Q105	2SC380(O)	2nd AM IF Amp 3rd FM IF Amp	HT303801B	GE-20	TR-21	HEP56	SK3018	ECG 108
Q106	2SC372	MPX Input Amp	HT3037210	GE-20	TR-21	HEP55	SK3020	ECG 123A
Q107	2SB548	38KC Amp	HT200541B	GE-9	TR-17	HEP633	SK3004	ECG 102A
Q108	2SB56C	MPX Ind. Switch	HT200561C	GE-2	TR-14	HEP632	SK3004	ECG 102A
Q201	2SA495(Y)	AF Amp	HT104951C	GE-21	TR-30	HEP52	SK3025	ECG 159
Q202	2SA495(Y)	AF Amp	HT104951C	GE-21	TR-30	HEP52	SK3025	ECG 159
Q204	2SA495(Y)	AF Amp	HT104951C	GE-21	TR-30	HEP52	SK3025	ECG 159
Q204A	2SA495(Y)	AF Amp	HT104951C	GE-21	TR-30	HEP52	SK3025	ECG 159
Q205	2SA495(O)	AF Amp	HT104951B	GE-21	TR-19	HEP52	SK3025	ECG 129
Q206	2SA495(O)	AF Amp	HT104951B	GE-21	TR-19	HEP52	SK3025	ECG 129
Q207	2SB405	Output	HT204053A	GE-2	TR-14	HEP254	SK3004	ECG 158
Q208	2SD72	Output	HT400723A	GE-8	TR-09	HEP641	SK3010	ECG 103A
Q209	2SB405	Output	HT204053A	GE-2	TR-14	HEP254	SK3004	ECG 158
Q210	2SD72	Output	HT400723A	GE-8	TR-09	HEP641	SK3010	ECG 103A

POWER RECTIFIERS & SIGNAL DIODES

ITEM No.	MFR. PART OR TYPE No.	REPLACEMENT DATA				NOTES
		GENERAL ELECTRIC PART No.	INTERNATIONAL RECTIFIER PART No.	RCA PART No.	SYLVANIA PART No.	
CR101	HD1000303 (1N60) (1S188FM)	1N60	1N60	1N60	ECG 109	Varactor
CR102	HD4000109 (1S352M)					
CR103	HD1000303 (1N60) (1S188FM)	1N60	1N60	1N60	ECG 109	
CR104	HD1000303 (1N60) (1S188FM)	1N60	1N60	1N60	ECG 109	
CR105	HD1000303 (1N60) (1S188FM)	1N60	1N60	1N60	ECG 109	
CR107	HD1000105 (1N60)	1N60	1N60	1N60	ECG 110 (4)	
CR108	HD1000105 (1N60)	1N60	1N60	1N60		
CR109	HD1000303 (1N60) (1S188FM)	1N60	1N60	1N60	ECG 109	
CR110	HD1000303 (1N60) (1S188FM)	1N60	1N60	1N60	ECG 110 (4)	
CR111	HD1000303 (1N60) (1S188FM)	1N60	1N60	1N60		
CR112	HD1000303 (1N60) (1S188FM)	1N60	1N60	1N60	ECG 110 (4)	(4) Matched pair.
CR113	HD1000303 (1N60) (1S188FM)	1N60	1N60	1N60		
CR114	HD1000303 (1N60) (1S188FM)	1N60	1N60	1N60	ECG 110 (4)	
CR115	HD1000303 (1N60) (1S188FM)	1N60	1N60	1N60		
CR201	HV0000202 (MA-25)	GE-504A	8D4 or 5A4-D	SK3030 or SK3031	ECG 116 or ECG 117	
CR202	HV0000202 (MA-25)	GE-504A	8D4 or 5A4-D	SK3030 or SK3031	ECG 116 or ECG 117	
CR203	HD3000309 (1S332)		1ZM7.5-T10		ECG138	
CR204	HD2000301 (HR5A)	GE-504A (2)	8D4 (2) or 18D82A (1)	ECG 166 (1)	SK3030 or SK3031 (2)	
CR205	HD2000301 (HR5A)	GE-504A (2)	8D4 (2) or 18D82A (1)	ECG 166 (1)	SK3030 or SK3031 (2)	
CR206	HD2000301 (HR5A)	GE-504A (2)	8D4 (2) or 18D82A (1)	ECG 166 (1)	SK3030 or SK3031 (2)	
CR207	HD2000301 (HR5A)	GE-504A (2)	8D4 (2) or 18D82A (1)	ECG 166 (1)	SK3030 or SK3031 (2)	(2) Four Required.
CR208	HD2000301 (HR5A)	GE-504A	8D4 or 5A4-D	SK3030 or SK3031	ECG 116 or ECG 117	

SYMPHONIC MODELS 6206WA/07MA/08PC, 6400WA (Ch. R-823)

FOLDER 5

PARTS LIST AND DESCRIPTION (CONTINUED)

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

ELECTROLYTIC CAPACITORS

ITEM No.	RATING	REPLACEMENT DATA						
		SYMPHONIC PART No.	AEROVOX PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	GENERAL ELECTRIC PART No.	MALLORY PART No.	SPRAGUE PART No.
C123	4.7 16V		MCD-50	EP15-5	PC5-100	MT1-3	MTV5CB50	TE-1152
C125	33 16V		MCD-110	EP15-25	PC30-35	MT1-13.5	MTV30CB25	TE-1158
C131	220 10V		BCD10190	EA15-250	PC200-16	MT1-23	MTV200CK10	TL-1137
C141	4.7 16V		MCD-50	EP15-5	PC5-100	MT1-3	MTV5CB50	TE-1152
C145	.5 10V				TYR13BF474K		TAS474K010P0A	96D474X0035DB
C151	10 10V		PTT39	EA15-10	AL10-25	MT1-5	MTA10D35	TE-1128
C153	10 16V		MCD-70	EP15-10	PC10-50	MT1-5	MTV10CB50	TE-1155
C158	10 16V		MCD-70	EP15-10	PC10-50	MT1-5	MTV10CB50	TE-1155
C160	3.3 35V		MCD-40	EP50-5	AL3-150	MT1-3	MTV3CB50	TE-1302
C161	3.3 35V		MCD-40	EP50-5	AL3-150	MT1-3	MTV3CB50	TE-1302
C164	33 16V		MCD-110	EP15-25	PC30-35	MT1-13.5	MTV30CB25	TE-1158
C205	3 35V		MCD-40	EP50-5	AL3-150	MT1-3	MTV3CB50	TE-1302
C206	3 35V		MCD-40	EP50-5	AL3-150	MT1-3	MTV3CB50	TE-1302
C207	220 10V		BCD10190	EA15-250	PC200-16	MT1-23	MTV200CK10	TL-1137
C208	3 35V		MCD-40	EP50-5	AL3-150	MT1-3	MTV3CB50	TE-1302
C209	3 35V		MCD-40	EP50-5	AL3-150	MT1-3	MTV3CB50	TE-1302
C210	10 16V		MCD-70	EP15-10	PC10-50	MT1-5	MTV10CB50	TE-1155
C211	10 16V		MCD-70	EP15-10	PC10-50	MT1-5	MTV10CB50	TE-1155
C216	47 25V		MCD-140	EP30-50	PC50-25	MT1-16.5	MTV50CD25	TE-1209
C217	47 25V		MCD-140	EP30-50	PC50-25	MT1-16.5	MTV50CD25	TE-1209
C220	220 10V		BCD10190	EA15-250	PC200-16	MT1-23	MTV200CK10	TL-1137
C221	220 10V		BCD10190	EA15-250	PC200-16	MT1-23	MTV200CK10	TL-1137
C222	2200 16V		PRS1240		BR2000-15	QTT-33	TC1520A	TL-1167.5
C223	220 10V		BCD10190	EA15-250	PC200-16	MT1-23	MTV200CK10	TL-1137
C224	220 10V		BCD10190	EA15-250	PC200-16	MT1-23	MTV200CK10	TL-1137
C225	.5 200V				TYR13BF474K		TAS474K035P0A	96D474X0035DB
C226	.5 200V				TYR13BF474K		TAS474K035P0A	96D474X0035DB
C19	.47 25V							
C20	.47 25V							

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.
C11	.0047		V1612D47	CPR-4700J	DPMS6D47	6DP-1-472	PVC6247	6PS-D47
C12	.0047		V1612D47	CPR-4700J	DPMS6D47	6DP-1-472	PVC6247	6PS-D47
C13	.047		V1612S47		DPMS6S47	1DP-2-473	PVC1147	225P47391WD3
C14	.047		V1612S47		DPMS6S47	1DP-2 473	PVC1147	225P47391WD3
C15	.047		V1612S47		DPMS6S47	1DP-2 473	PVC1147	225P47391WD3
C16	.047		V1612S47		DPMS6S47	1DP-2 473	PVC1147	225P47391WD3
C21	.015	600V						
C101								
C102	5		NPO-DI 4.7	DTZ-4R7	NP04P7		CN0547	10TCC-V47
C103	15		NPO-DI 15	DTZ-15	NP015	CCT0-150	CN0415	10TCC-Q15
C104	.01		TTP-01	CK-103	MGP01	CCD-103	TA110	TG-S10
C105	5		NPO-DI 4.7	DTZ-4R7	NP04P7		CN0547	10TCC-V47
C106	15		NPO-DI 15	DTZ-15	NP015	CCT0-150	CN0415	10TCC-Q15
C107	.04			DD-403			GP140	
C108	300 N750 +5%			TCN-300		CCTN-301		10TCU-T30
C109	20		NPO-DI 20	DTZ-20	NP020	CCT0-200	CN0420	10TCC-Q20
C110	20		NPO-DI 20	DTZ-20	NP020	CCT0-200	CN0420	10TCC-Q20
C111	50		NPO-DI 50	DTZ-50	NP050	CCT0-510	CN0450	10TCC-Q50
C112	.001		GPD X5F102K	DM-102	GP1000	CCD-102	SM210	2SS-D10
C113	5		NPO-DI 5.0		NP05			10TCC-V50
C114	5		NPO-DI 5.0		NP05			10TCC-V50
C116	5		NPO-DI 5.0		NP05			10TCC-V50
C117	.01		TTP-01	CK-103	MGP01	CCD-103	TA110	TG-S10
C118	.022		V1612S22		DPMS6S22	1DP-1-223	PVC1122	225P22391WD3
C119	.005		TTP-005	CK-502	MGP005	CCD-502	TA250	TG-D50
C120	5		NPO-DI 5.0		NP05			10TCC-V50
C121	300 N750 5%			TCN-300		CCTN-301		10TCU-T30
C122	.005		TTP-005	CK-502	MGP005	CCD-502	TA250	TG-D50
C124	360			CPR-360J	CD15F361J500	DM-15-361	SX336	MS-336
C126	.04			DD-403			GP140	
C127	10		NPO-DI 10	DTZ-10	NP010	CCT0-100	CN0410	10TCC-Q10
C128	.04			DD-403			GP140	
C129	.04			DD-403			GP140	
C130	300		GPD X5F301K	DM-301	GP300	CCD-301	GP330	10TS-T30
C132	.04			DD-403			GP140	
C133	.04			DD-403			GP140	
C134	.04			DD-403			GP140	
C135	300 N750 5%			TCN-300		CCTN-301		10TCU-T30
C137	.04			DD-403			GP140	
C138	.04		DBE6S4		DPMS6S4	1DP-1-403	PVC114	6PS-S40
C139	.022		V1612S22		DPMS6S22	1DP-1-223	PVC1122	225P22391WD3
C140	.01		V1612S1	CPR-10000J	DPMS6S1	1DP-1-103	PVC211	225P10391WD3
C142	200		GPD X5F201K	DM-201	GP200	CCD-201	GP320	10TS-T20
C143	200		GPD X5F201K	DM-201	GP200	CCD-201	GP320	10TS-T20
C144	500		GPD X5F501K	DM-501	GP500	CCD-501	GP350	10TS-T50
C146	.04			DD-403			GP140	
C152	.0047			CPR-4700J	CD19F472J500	DM-19-472	SX247	MS-247
C154	.001			CPR-1000J	CD19F102J500	DM-19 102J	SX210	424ME1001J501
C155	82			DTZ-82	NP082	CCT0-820	CN0482	10TCC-Q82
C156	.0047			CPR-4700J	CD19F472J500	DM-19-472	SX247	MS-247
C157	.0033		V1614D33	CPR-3300J	DMF6D33	6DP-1-332	PVC6233	6PS-D15
C159	.0015		V1614D15	CPR-1500J	DPMS-6D15	6DP-1-152	PVC6215	6PS-D15

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.
C162	.01		V1612S1	CPR-10000J	DPMS6S1	1DP-1-103	PVC211	225P10391WD3
C163	.01		V1612S1	CPR-10000J	DPMS6S1	1DP-1-103	PVC211	225P10391WD3
C165	.7		NPO-DI 6.8	DTZ-6R8	NP06P8		CN0568	10TCC-V68
C201	.04		DBE6S4		DPMS6S4	1DP-1-403	PVC114	6PS-S40
C202	.04		DBE6S4		DPMS6S4	1DP-1-403	PVC114	6PS-S40
C203	50 N470					*	*	10TCT-Q50
C204	50 N470					*	*	10TCT-Q50
C214	200		GPD X5F201K	DM-201	GP200	CCD-201	GP320	10TS-T20
C215	200		GPD X5F201K	DM-201	GP200	CCD-201	GP320	10TS-T20

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

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.
R18A	Treble, Left	10K	RM0103009	F2-10K (1), R2-10K,SSK100, CPL-2		B13-116,B13-116, SK1 (1),QCM or [BU2 (1),CF61, CR62,SS1,SS7A, DC1]*	P14A,3038 (1), RU14A, CS3500
B	Treble, Right	10K					
R19A	Bass, Left	50K	RM05030120	F3-50K (1),R3-50K, SSK100,CPL-2		B17-123,B17-123, SK1 (1),QCM or [BU2 (1),CF98, CR65,SS1,SS7A, DC1]*	P54R,3038 (1), RU54R, CS3500
B	Bass, Right	50K					
R26A	Volume, Left	10K Tap @ 2000	RM1103005	F16-10K (1), R16-10K, SSK100, CPL-2, KR-1		B19-116X B19-116X, SK1 (1), QCM, 76-1 or [BU2 (1), CF101TT (2), CR67TT (2), SS1,SS7A,GC]*	RU24T14,SL36, SL3250 or [P24T14,3038(1), SF3000]
B	Volume/Right Switch	10K Tap @ 2000					
R27	Balance	20K Tap @ 10K	RK0203001			SS1,SS7A,GC]* BU2 (1), CF103TT, SS1, DC1]*	RU24T14,SL36, SL3250 or [P24T14,3038(1), SF3000]
R207	Separation	10K		TSV-10K (3) or T-10K (3)		X201R103B (3)	MTC14L1 (3)
R221	Bias Adjust	50K		TSV-50K (3) or T-50K (3)		X201R503B (3)	MTC54L1 (3)
R202A (R222)	Bias Adjust	50K		TSV-50K (3) or T-50K (3)		X201R503B (3)	MTC54L1 (3)

* "Snaprol"

(1) Enlarge mounting hole.

(2) Disregard 5000 Tap.

(3) Cut off one of the end terminals & bend to fit "PC" board.

RESISTORS (Power and Special)

ITEM No.	RATING	REPLACEMENT DATA	
		WORKMAN PART No.	MFGR. PART No.
R17	.9 1A Fusable		
R231	.5 1W 10%		
R232	.5 1W 10%		

ITEM No.	RATING	REPLACEMENT DATA	
		WORKMAN PART No.	MFGR. PART No.
R233	.5 1W 10%		
R234	.5 1W 10%		

COILS (RF-IF)

ITEM No.	USE	REPLACEMENT DATA			
		PART No.	MEISSNER PART No.	MILLER PART No.	WORKMAN PART No.
L11	Loopstick		14-9003	705A	TB523
L101	FM Antenna				
L102	FM RF				
L103	10.7MC Trap				
L104	FM Oscillator				
L105	FM Input				
L106	FM Interstage				
L107	AM Input				
L108	AM Oscillator				
L109	FM Interstage				
L110	AM Interstage				
L111	Ratio Detector				
L112	AM Output				
L113	19KC Trap				
L114	Trap (5.1mh)				
L115	19KC Doubler				
L116	Trap (23mh)				
L117	38KC Output				

(1) Change .0047 to .01uf Cap.

SYMPHONIC MODELS 6206WA/07MA/08PC, 6400WA (Ch. R-823)

FOLDER 5