



PHOTOFACT[®] with

CIRCUITRACE[®]

For Supplier Address See PHOTOFACT Index

NOTE

ONLY THOSE PERSONS PROPERLY LICENSED ARE PERMITTED TO MAKE REPAIRS OR ADJUSTMENTS WHICH MAY RESULT IN ILLEGAL OPERATION. (REFER TO FCC RULES AND REGULATIONS PART 95, SUBPARTS C & D.)

The frequency of the transmitter should be checked periodically with a secondary frequency standard to insure proper and legal operation.

Best results will be obtained when adjusting the final RF output circuit if the antenna normally used is connected and the chassis is as nearly in the cabinet as possible.

Connect either 50-ohm dummy load or the normally used antenna system.



MODEL Super Lynx

ALIGNMENT INSTRUCTIONS

Suggested Alignment Tools:	GC ELECTRONICS
T6, T7, T8.....	5000, 8290
ALL others.....	9440

RECEIVER

Connect an AC VTVM or AF Wattmeter across speaker voice coil.
Adjustments made with 120-volt AC input to power supply.
Adjust volume control to obtain suitable reading.

SIGNAL GENERATOR	GEN FREQ	CHANNEL	ADJUST	REMARKS
High side thru .01uH to TR3 base, low side to ground.	455kHz, 1000Hz @ 30% modulation, output MINIMUM Reading	Any	T6,T7,T8	Adjust for maximum.
High side thru .01uH to Antenna Jack, low side to ground.	27.115MHz 1000Hz @ 30% modulation, output .5uV	13	T1,T2,T4, T5	Adjust for maximum.

RECEIVER ADJUSTMENTS

Connect an AC VTVM or AF Wattmeter across speaker voice coil.
These adjustments made with 120-volt AC input to power supply.
Adjust volume control to obtain a suitable reading.

SIGNAL GENERATOR	GEN FREQ	CHANNEL	ADJUST	REMARKS
AGC High side thru .01uF to Antenna Jack, low side to ground.	27.115MHz, 1000Hz @ 30% modulation, output .5uV.	13	VR6	Connect AC VTVM across voice coil. Adjust for 2V.
SQUELCH RANGE High side thru .01uF to Antenna Jack, low side to ground.	27.115MHz, 1000Hz @ 30% modulation, output 200uV.	13	VR7	Set squelch control fully clockwise. Adjust so that squelch just breaks.

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

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5CY213

PEARCE-SIMPSON MODEL SUPER LYNX

"S" Meter High side thru .01uF to Antenna Jack, low side to ground.	27.115MHz, 1000Hz @ 30% modulation, output 100uV.	13	VR5	Adjust for "S9" on Panel Meter
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TRANSMITTER

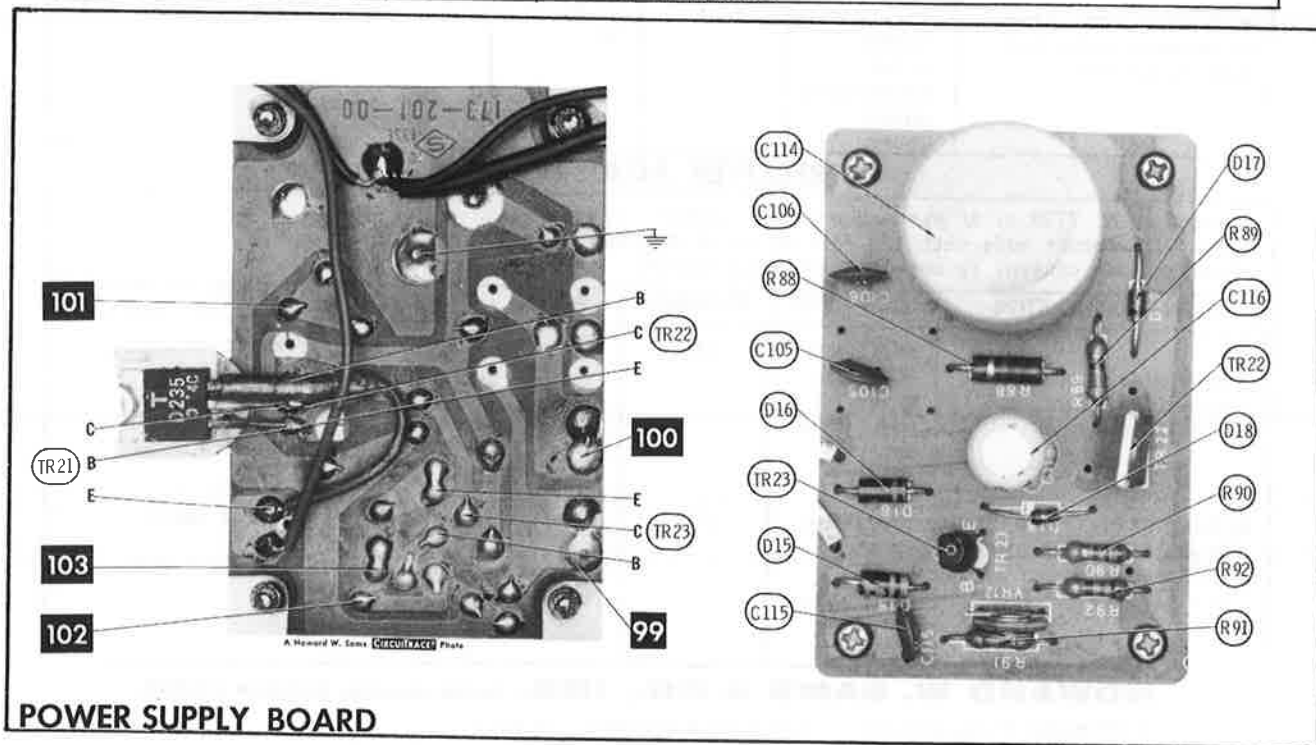
Connect an RF Wattmeter or 50-ohm, 25-watt dummy load to antenna connector.
Adjustments made with 120-volt AC input to power supply.

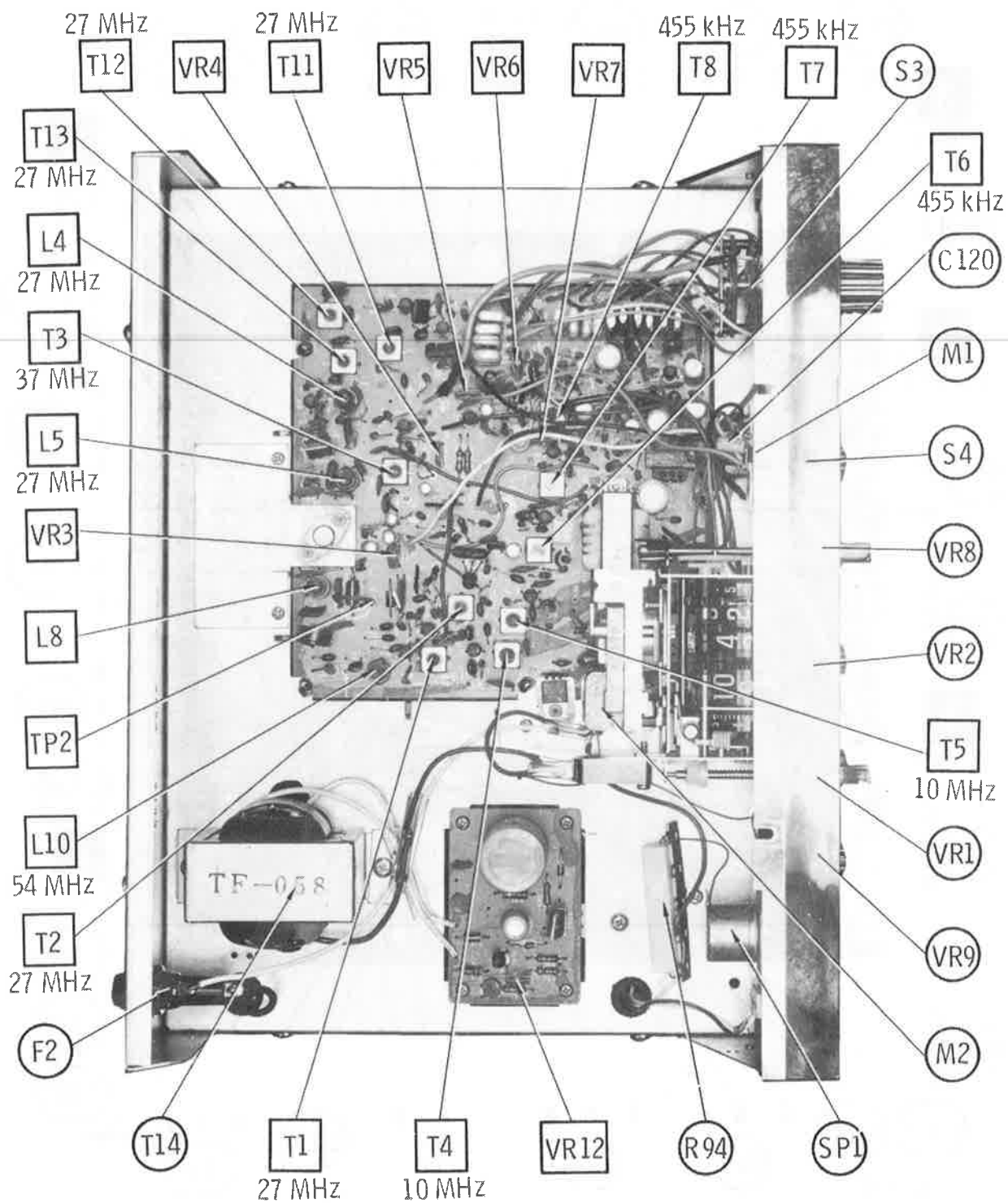
INDICATOR	ADJUST	REMARKS
OSCILLATOR, MIXER, BUFFER, DRIVER, FINAL RF Wattmeter	T3,T11, T12,T13, L4,L5,L8	Detune T3 10% from peak operating on Channel 23. Channel selector to 13. Key transmitter. Adjust for maximum.
OUTPUT POWER RF Wattmeter	L8	Key transmitter. Adjust for 3.5 watts output.
TVI TRAP TV (Ch. 2)	L10	Key transmitter. Adjust for MINIMUM interference on TV.
FINAL INPUT POWER Remove jumper at TP2 and connect 0-1A DC milliammeter between L7 and C118.	L8	Adjust for 5 watts.

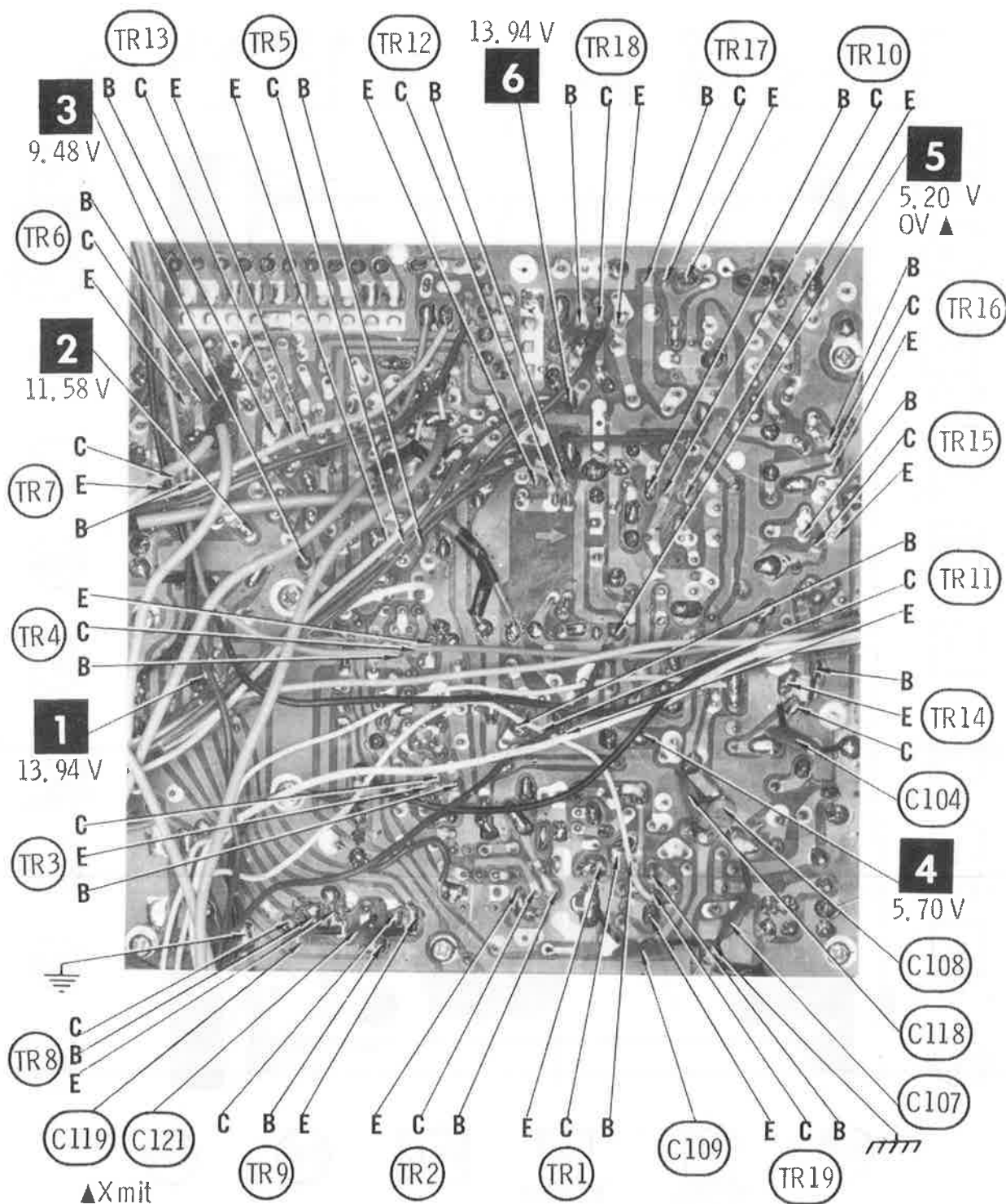
TRANSMITTER ADJUSTMENTS

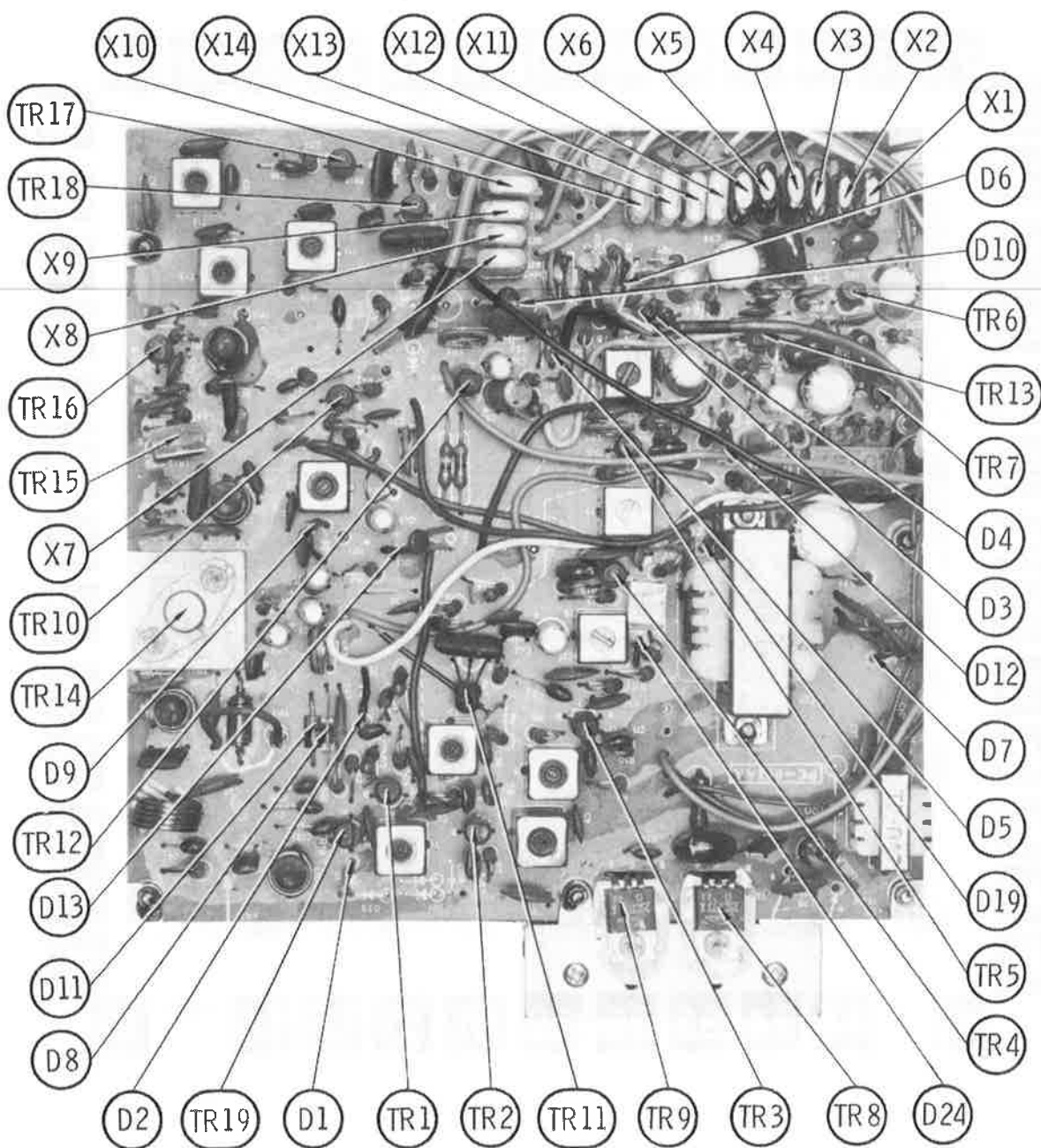
Connect an RF Wattmeter or 50-ohm, 25-watt dummy load to antenna connector.
Adjustments made with 120-volt AC input to power supply.

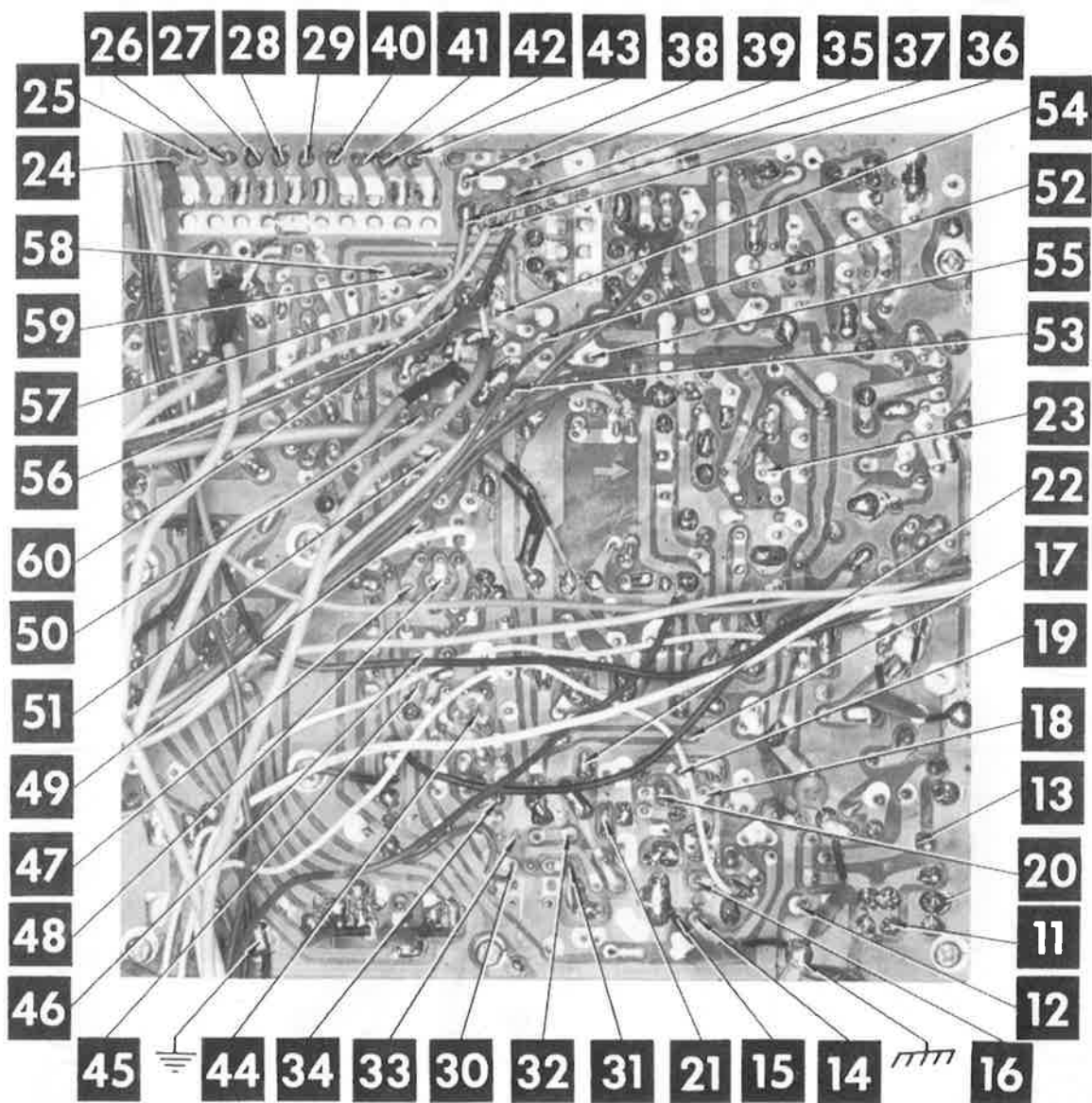
INDICATOR	ADJUST	REMARKS
VOLTAGE REGULATOR DC Voltmeter connected to J4	VR12	Adjust for 14VDC at J4. Key transmitter. Voltage should not vary.
PANEL MODULATION METER Oscilloscope or Modulation Indicator connected to Antenna Jack	VR4	Inject a 1000Hz audio signal at mic input. Key transmitter. Adjust so that panel meter agrees with scope or indicator.
RF PANEL METER RF Wattmeter	VR3	Key transmitter. Adjust so that panel RF meter agrees with RF wattmeter.

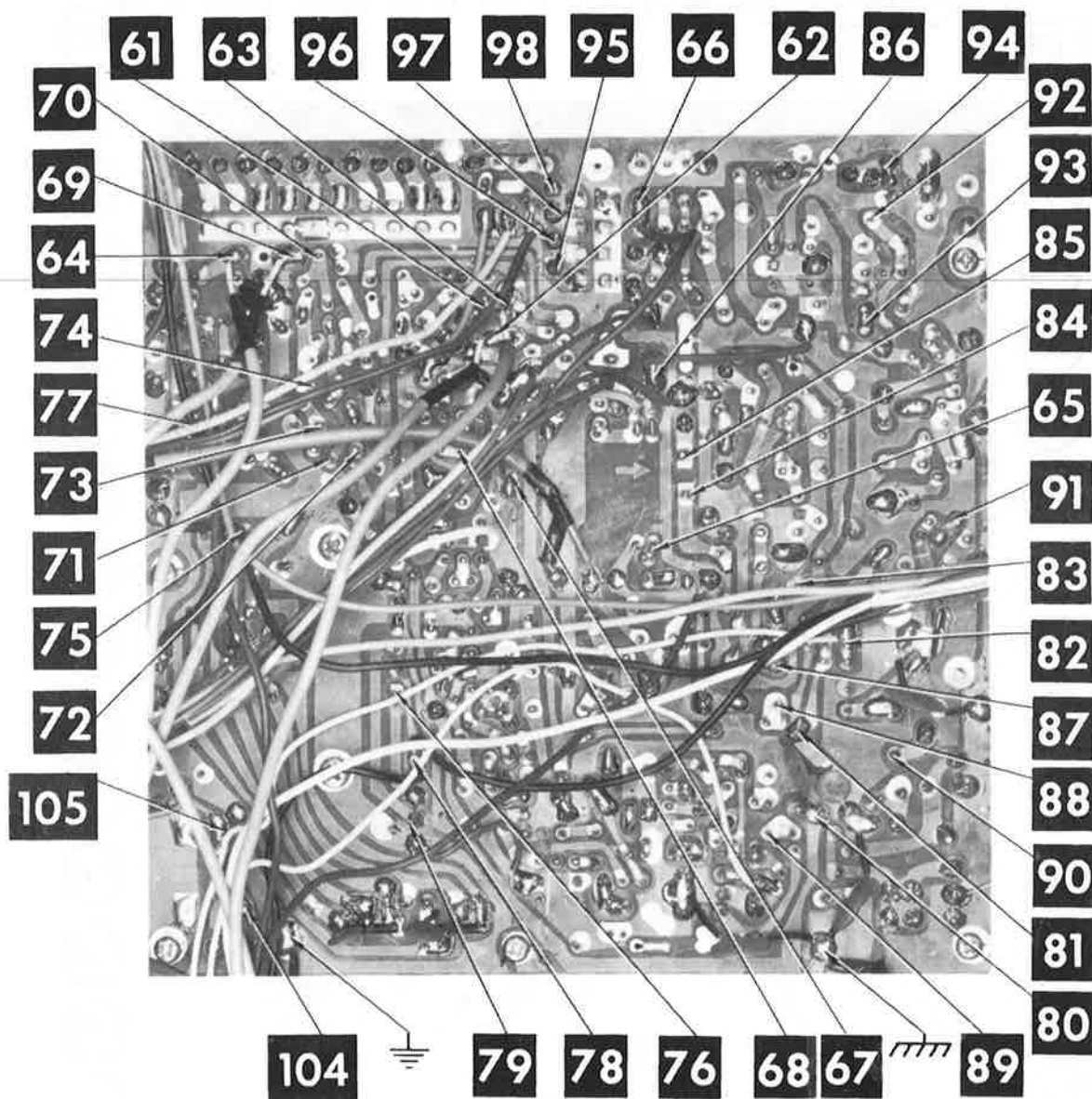


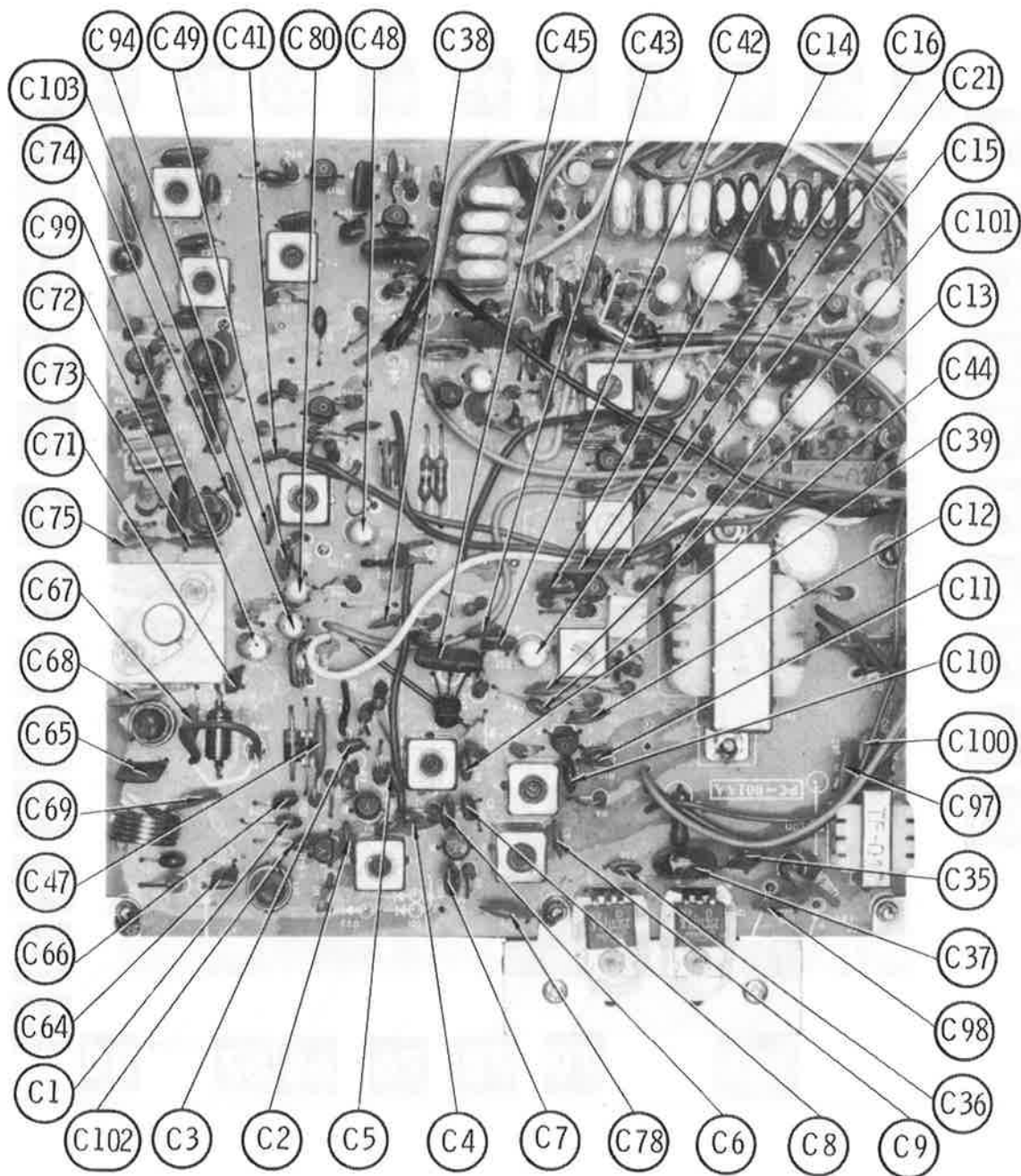


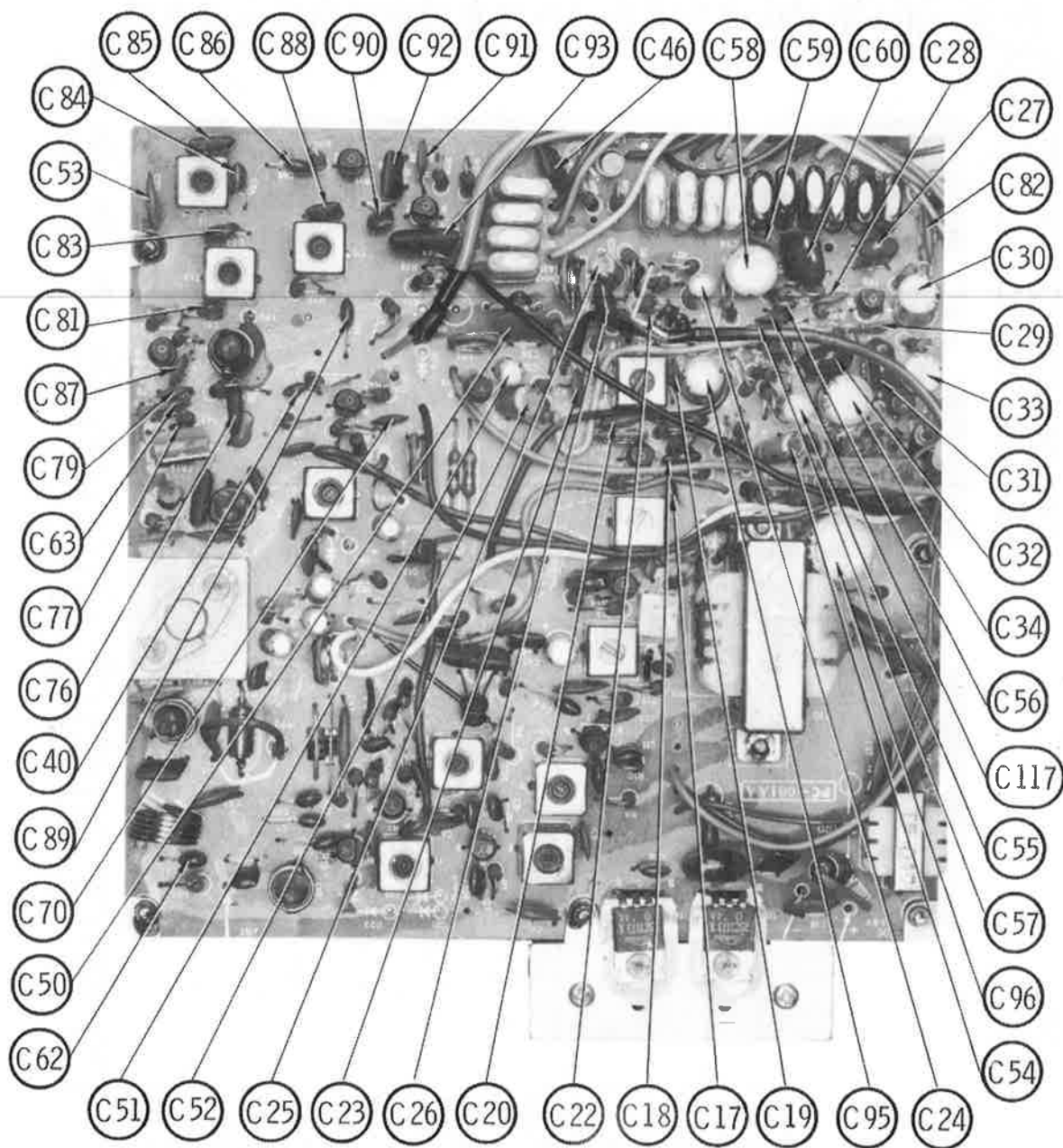


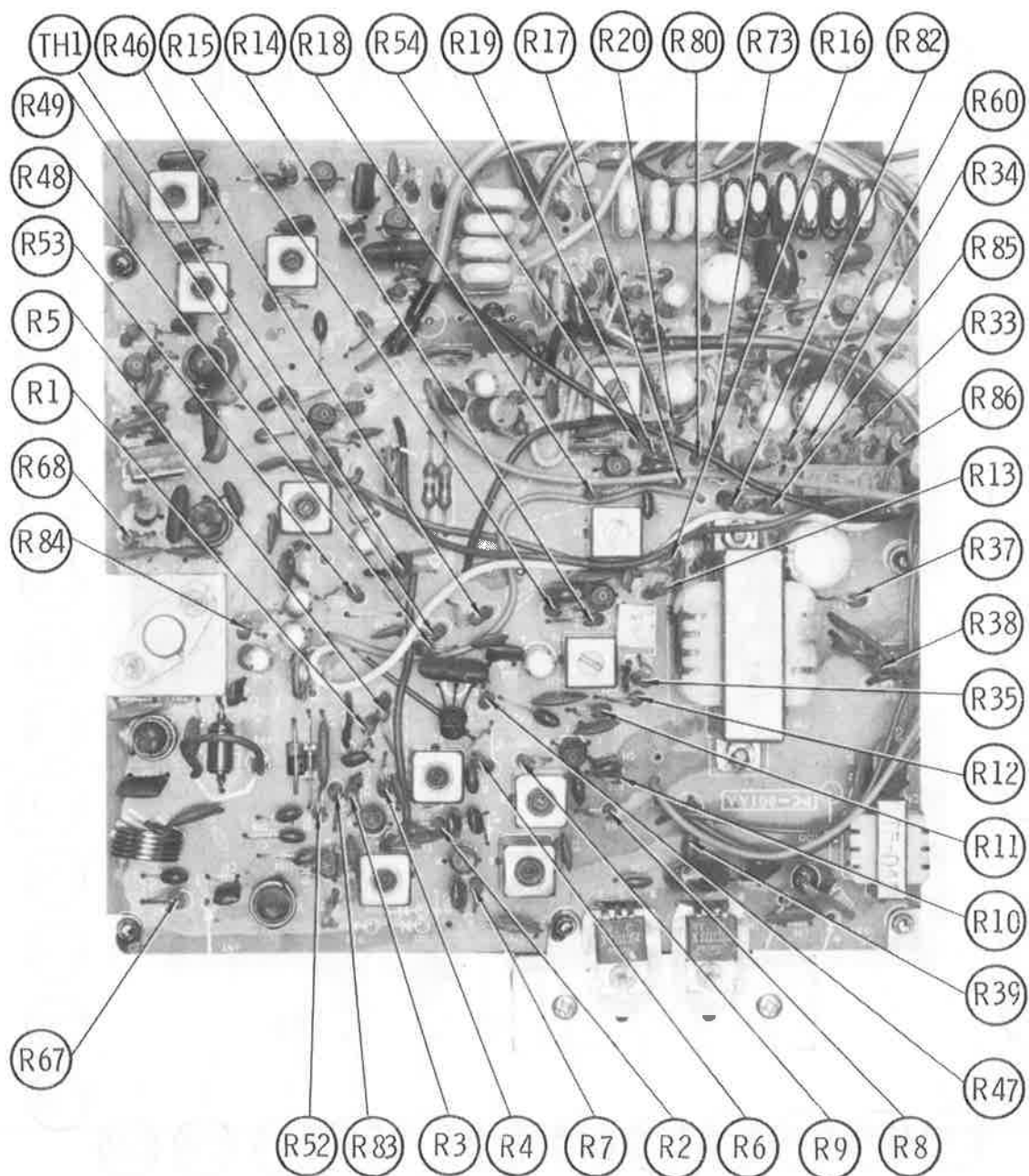


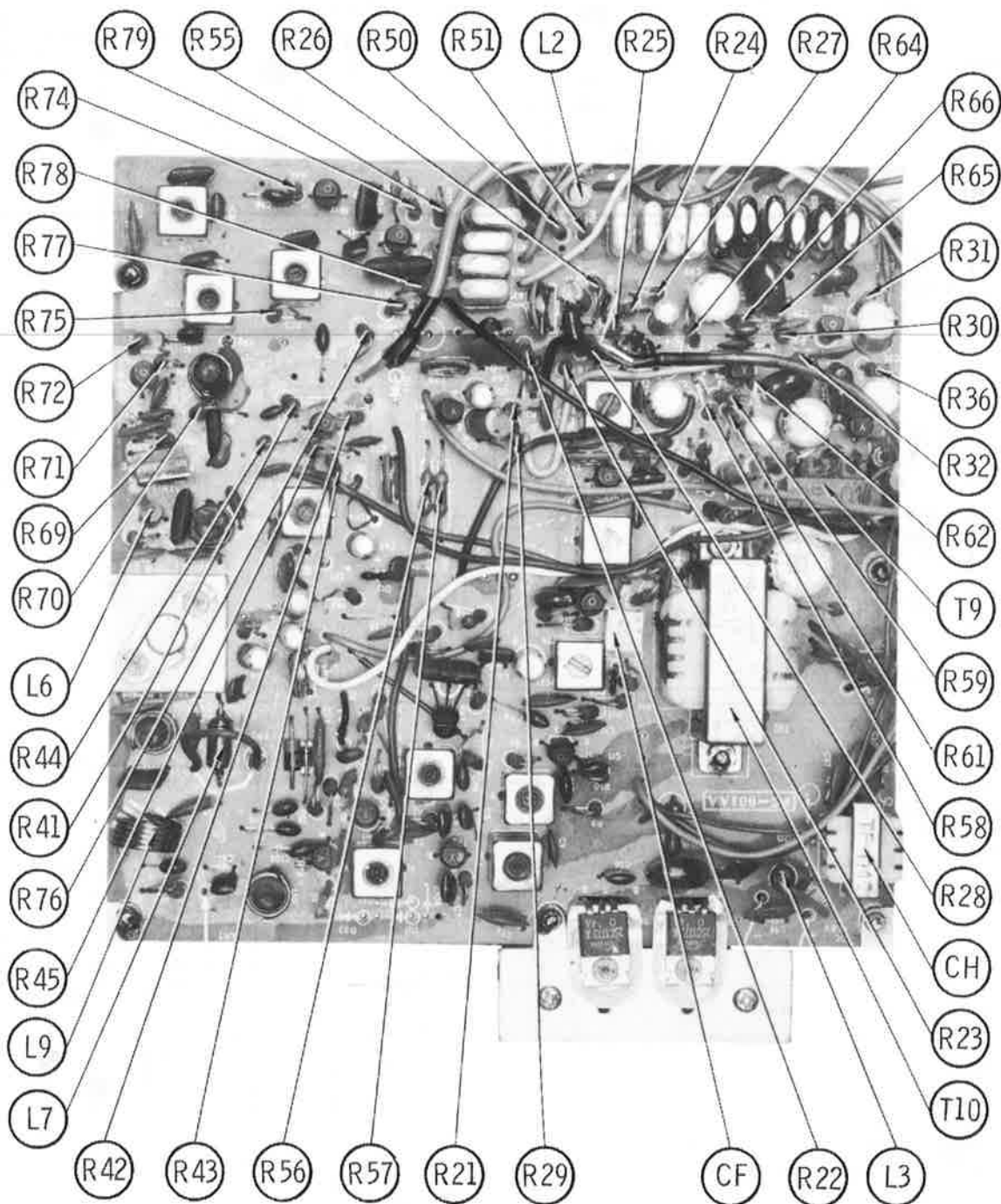


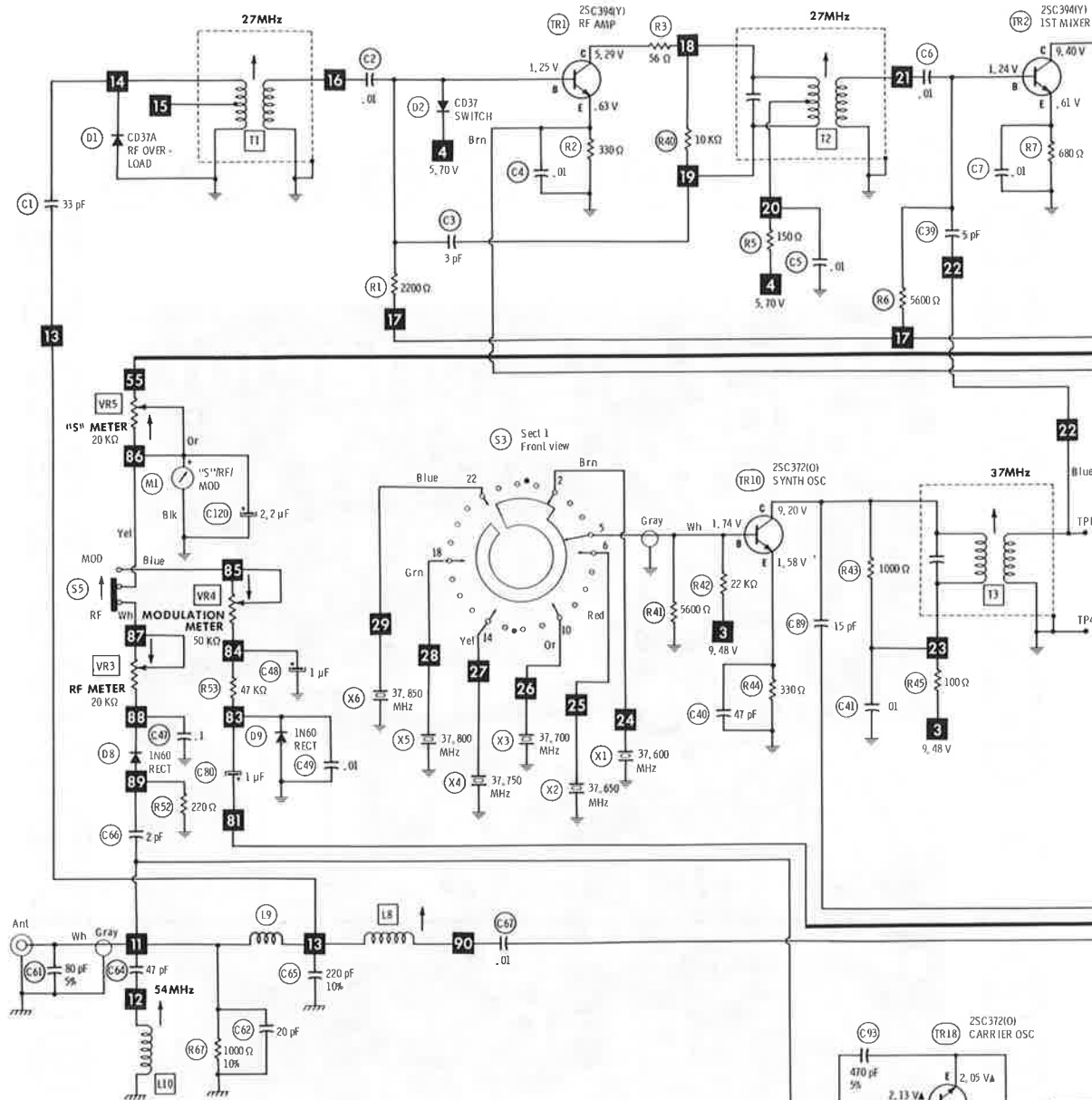






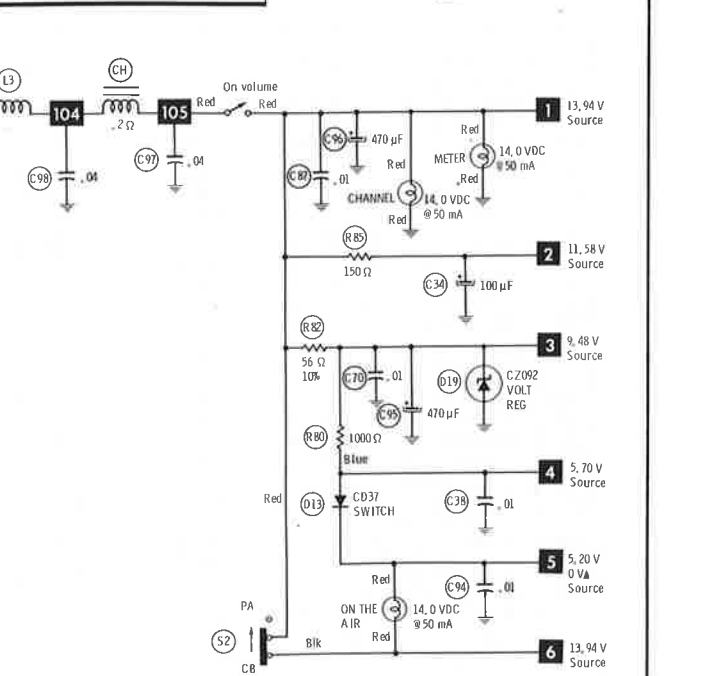
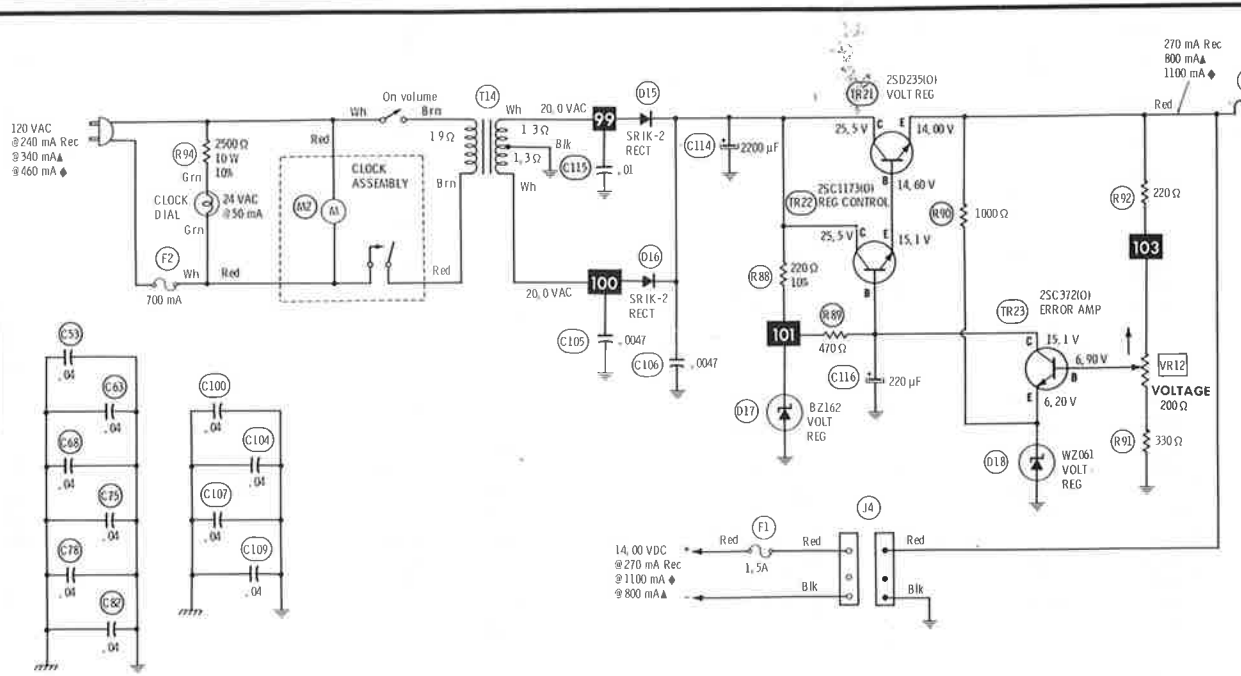
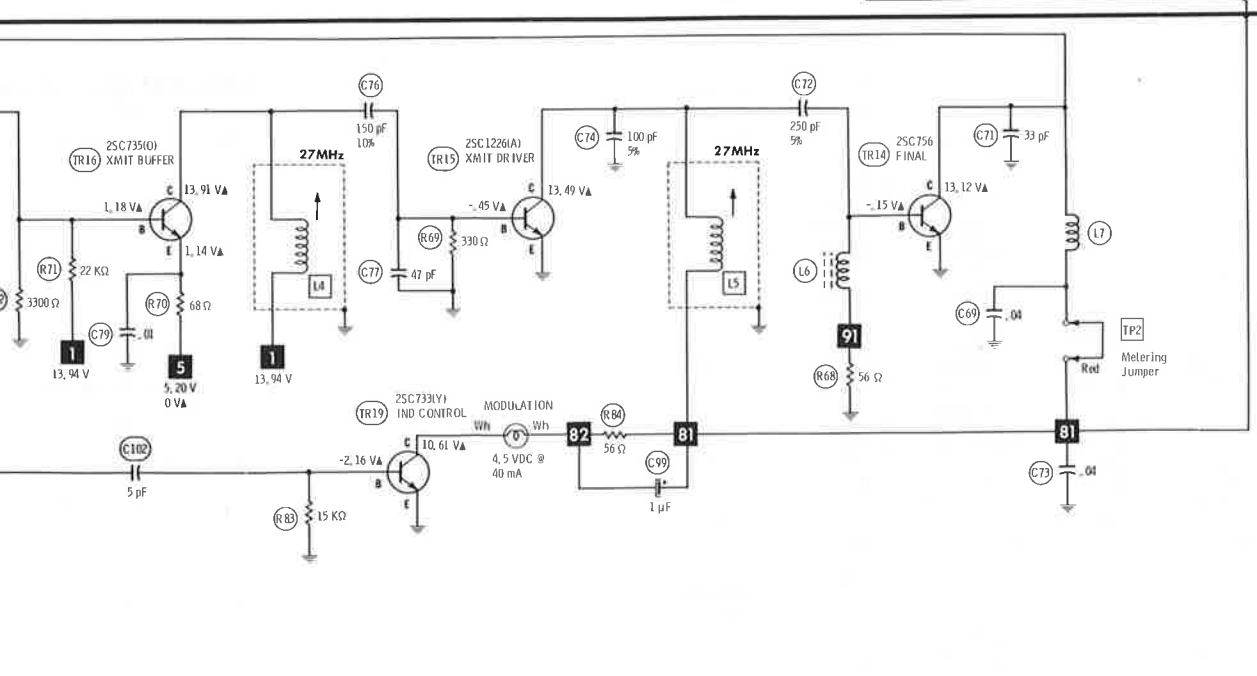
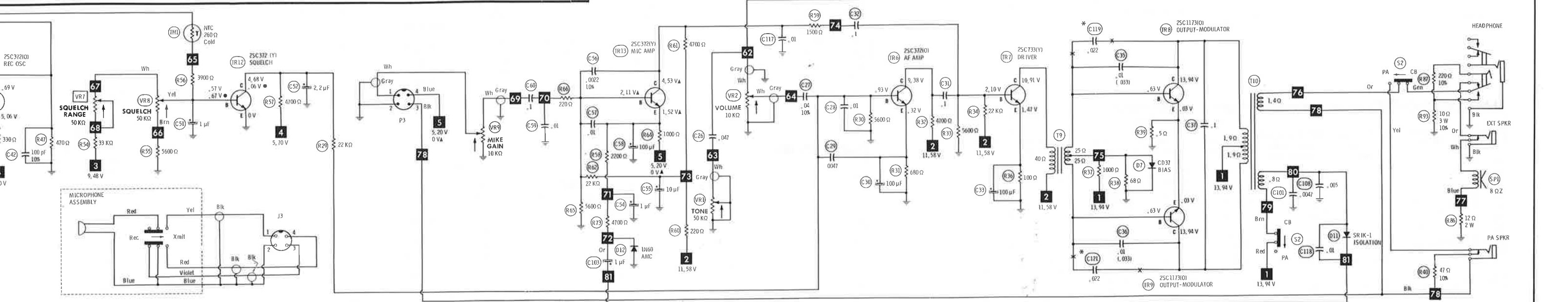
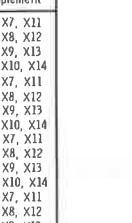
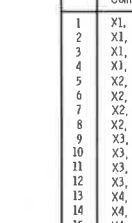
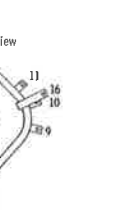
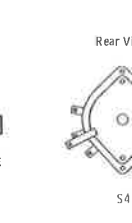
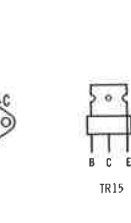
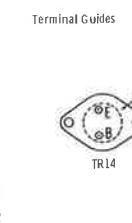
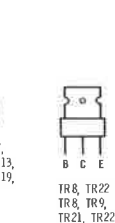
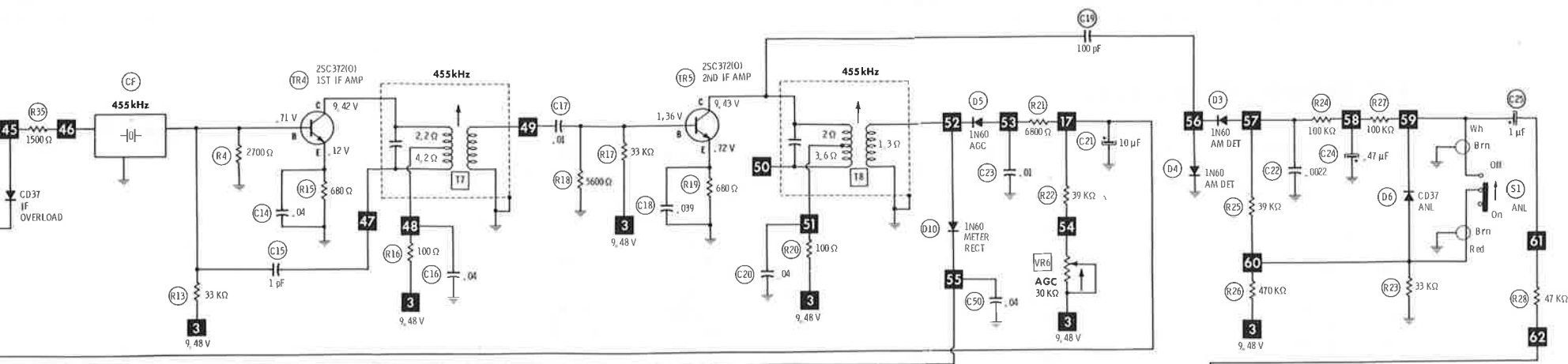






RF-IF coils with resistance of less than 1 ohm not given
 Denotes chassis.
 Denotes ground. (Voltage reference unless otherwise indicated)
 Indicates connection used in some versions.
 Indicates connection not used in some versions.
 Omitted in some versions.
 See parts list.
 Value varies; replace with original value.
 Measured in transmit position.
 Measured with unit squelched.
 Measured with 100% modulation
 NC No Connection.
 Measurements taken with switching in position shown unless otherwise indicated.
 Values shown in () are used in some applications.
 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.
 Arrow on control indicates direction of advance.
 Numbers assigned to terminals may not be found on the unit.
 Transistor resistances vary widely; no resistance measurements taken.
 Resistor are 1/2W or less, 5%, unless otherwise indicated.

A PHOTOFAC STANDARD NOTATION SCHEMATIC
 with **CIRCUITACE**
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PARTS LIST AND DESCRIPTION
(When ordering parts, state Model, Part Number, and Description.)

WIRING DATA

General-use Hook-up Wire	Use BELDEN No. 8530 (Solid) Available in 12 Colors
Power Cord, 2-Wire	Use BELDEN No. 8524 (Stranded) Available in 12 Colors
Shielded Antenna Lead	Use BELDEN No. 17106 (Plastic) or 17126 (Rubber) -6 feet
	17109 (Plastic) or 17129 (Rubber) -9 feet
	Use BELDEN No. 8214 Lowest-loss (RG-8/U Type)
	8237 Low-loss (RG-8/U)
	8240 (Solid) Miniature (RG-58/U)
	8259 (Stranded) Miniature (RG-58A/U)
Coiled Microphone Cable	Use BELDEN No. 8497 3-Conductor (1 shielded for Press-to-Talk) Neoprene
	8491 4-Conductor (2 shielded, 2 unshielded) Neoprene
Ignition Noise Suppression	Use BELDEN No. 7300-Series Spark-Plug Sets
Bonding Strap	Use BELDEN No. 8661 (3/8 inch)

SEMICONDUCTORS (Select replacement transistor for best results)

ITEM No.	TYPE / MFR. No. / PART No.	REPLACEMENT DATA						
		GENERAL ELECTRIC PART No.	INTERNATIONAL RECTIFIER PART No.	MALLORY PART No.	MOTOROLA PART No.	RCA PART No.	SPRAGUE PART No.	SYLVANIA PART No.
D1	CD37A/5001-144	GE-300	D200	PTC214	HEPR0602	SK3100	RT218	ECG 177
D2	CD37/5001-145	GE-300	D200	PTC214	HEPR0602	SK3100	RT218	ECG 177
D3	1N60/5001-080	1N60	1N60	PTC206	HEP135	SK3088		ECG 109
D4	1N60/5001-080	1N60	1N60	PTC206	HEP135	SK3088		ECG 109
D5	1N60/5001-080	1N60	1N60	PTC206	HEP135	SK3088		ECG 109
D6	CD37/5001-145	GE-300	D200	PTC214	HEPR0602	SK3100	RT218	ECG 177
D7	CD37/5001-145	GE-300	D200	PTC214	HEPR0602	SK3100	RT218	ECG 177
D8	1N60/5001-080	1N60	1N60	PTC206	HEP135	SK3088		ECG 109
D9	1N60/5001-080	1N60	1N60	PTC206	HEP135	SK3088		ECG 109
D10	1N60/5001-080	1N60	1N60	PTC206	HEP135	SK3088		ECG 109
D11	SR1K-1/5001-117	GE-504A	8D4 or 5A4D	PTC201 or	HEPR0052	SK3030 or	RT213 or	ECG 116 or
				PTC202		SK3031	RT214	ECG 117
D12	1N60/5001-080	1N60	1N60	PTC206	HEP135	SK3088		ECG 109
D13	CD37/5001-145	GE-300	D200	PTC214	HEPR0602	SK3100	RT218	ECG 177
D15	SR1K-2/5001-129	GE-504A	8D4 or 5A4D	PTC201 or	HEPR0052	SK3030 or	RT213 or	ECG 116 or
				PTC202		SK3031	RT214	ECG 117
D16	SR1K-2/5001-129	GE-504A	8D4 or 5A4D	PTC201 or	HEPR0052	SK3030 or	RT213 or	ECG 116 or
				PTC202		SK3031	RT214	ECG 117
D17	BZ162/5001-143	GEZD-15	Z-1214	ZB16	HEPZ0419	SK3063	RT246	ECG 5075
D18	WZ061/5001-131	GEZD-6.2	Z-1204	PTC503	HEPZ0408	SK3058	RT237	ECG 137
D19	CZ092/5001-152	GEZD-9.1	Z-1210	PTC505	HEPZ0412	SK3060	RT240	ECG 139
	9.2V Zener							
D24	CD37/5001-145	GE-300	D200	PTC214	HEPR0602	SK3100	RT218	ECG 177
TR1	2SC394(Y)/5001-032	GE-17	TR-33	PTC139	HEP53	SK3018	RT108	ECG 107
TR2	2SC394(Y)/5001-032	GE-17	TR-33	PTC139	HEP53	SK3018	RT108	ECG 107
TR3	2SC372(O)/5001-020	GE-20	TR-24	PTC139	HEP55	SK3018	RT102	ECG 123A
TR4	2SC372(O)/5001-020	GE-20	TR-24	PTC139	HEP55	SK3018	RT102	ECG 123A
TR5	2SC372(O)/5001-020	GE-20	TR-24	PTC139	HEP55	SK3018	RT102	ECG 123A
TR6	2SC372(O)/5001-020	GE-20	TR-24	PTC139	HEP55	SK3018	RT102	ECG 123A
TR7	2SC733(Y)/5001-072	GE-20	TR-21	PTC123	HEP729	SK3122	RT100	ECG 123A
TR8	2SC1173(O)/	GE-66	TR-55	PTC110		SK3054	RT154	ECG 152
	5001-053 (1)							
TR9	2SC1173(O)/	GE-66	TR-55	PTC110		S3054	RT154	ECG 152
	5001-053 (1)							
TR10	2SC372(O)/5001-020	GE-20	TR-24	PTC139	HEP55	SK3018	RT102	ECG 123A
TR11	2SC372(O)/5001-020	GE-20	TR-24	PTC139	HEP55	SK3018	RT102	ECG 123A
TR12	2SC372(Y)/5001-020	GE-20	TR-24	PTC139	HEP55	SK3018	RT102	ECG 123A
TR13	2SC372(Y)/5001-020	GE-20	TR-24	PTC139	HEP55	SK3018	RT102	ECG 123A
TR14	2SC756/5001-068 (2)							
TR15	2SC1226(A)/	GE-28	TR-55	PTC110	HEPS3023	SK3049		ECG 224
	5001-075 (1)					SK3054	RT154	ECG 186
TR16	2SC735(O)/5001-021	GE-17	TR-24	PTC123	HEP53	SK3124	RT102	ECG 123A
TR17	2SC372(O)/5001-020	GE-20	TR-24	PTC139	HEP55	SK3018	RT102	ECG 123A
TR18	2SC372(O)/5001-020	GE-20	TR-24	PTC139	HEP55	SK3018	RT102	ECG 123A
TR19	2SC733(Y)/5001-072	GE-20	TR-21	PTC123	HEP729	SK3122	RT100	ECG 123A
TR21	2SD235(O) (3)	GE-66	TR-92	PTC110	HEP701	SK3054	RT154	ECG 152
TR22	2SC1173(O)/	GE-66	TR-55	PTC110		SK3054	RT154	ECG 152
	5001-053 (1)							
TR23	2SC372(O)/5001-020	GE-20	TR-24	PTC139	HEP55	SK3018	RT102	ECG 123A

- (1) RATING 10 WATTS @ 3 AMP
(2) RATING 10 WATT @ 4 AMP
(3) RATING 1.5 WATT @ 3 AMP

PARTS LIST AND DESCRIPTION (CONTINUED)

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

ELECTROLYTIC CAPACITORS

ITEM No.	RATING	REPLACEMENT DATA					
		MFR. PART No.	ARCO PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.
C21	10 25V		RME-B-G-010	EP30-10	PC10-25	VTT10A25	EV-1322
C24	.47 50V					TDC474M050EL	SD50-R479
C25	1 50V	5018-035	RME-A-J-001	EP50-1	PC1-50	MTV1CB50	EV-1615
C30	100 10V	5018-022	RME-E-D-100	EP15-100	PC100-10	MTV100CB10	EV-1130
C33	100 10V	5018-022	RME-E-D-100	EP15-100	PC100-10	MTV100CB10	EV-1130
C34	100 16V		RME-E-E-100	EP15-100	PC100-16	MTV100CD15	EV-1230
C48	1 50V	5018-035	RME-A-J-001	EP50-1	PC1-50	MTV1CB50	EV-1615
C51	1 50V	5018-035	RME-A-J-001	EP50-1	PC1-50	MTV1CB50	EV-1615
C52	2.2 50V		RME-A-J-002	EP50-2	PC2-100	VTT2R2A50	EV-1517
C54	1 50V	5018-035	RME-A-J-001	EP50-1	PC1-50	MTV1CB50	EV-1615
C55	10 16V		RME-B-E-010	EP15-10	PC10-25	VTT10A25	EV-1222
	10 25V		RME-B-G-010	EP30-10	PC10-25	VTT10A25	EV-1322
C58	100 16V		RME-E-E-100	EP15-100	PC100-16	MTV100CD15	EV-1230
C80	1 50V	5018-035	RME-A-J-001	EP50-1	PC1-50	MTV1CB50	EV-1615
C95	470 16V	5018-024	RME-L-E-500	EP15-500	PC500-16	MTV500DN15	EV-1250
	47 16V	5018-034					
C96	470 16V	5018-024	RME-L-E-500	EP15-500	PC500-16	MTV500DN15	EV-1250
C99	1 50V	5018-035	RME-A-J-001	EP50-1	PC1-50	MTV1CB50	EV-1615
C103	1 50V	5018-035	RME-A-J-001	EP50-1	PC1-50	MTV1CB50	EV-1615
C114	2200 25V	5018-016	ME-G2000		WBR2000-25	TC2520A	TVA-1213.5
C116	220 16V	5018-014	RME-J-E-250	EP15-250	PC250-25	MTV250DE15	EV-1245
C120	2.2 25V		RME-A-G-002	EP30-2	PC2-100	VTT2R2A50	EV-1317

CAPACITORS

ITEM No.	RATING	MFR. PART No.	REPLACEMENT DATA				
			ARCO/ELMENCO PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.
C1	33		DM10-330J	CPR-33J	CD6ED330J03	SX433	
C2	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C3	3		CCT0-3R3	DPZ-3R3	NP03P3	CNO533	10TCC-V33
C4	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C5	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C6	.01		1MDF-1-103	CPJ-103	DPMS4S1	EWFA1A110	1PB-S10
C7	.01		1MDF-1-103	CPJ-103	DPMS4S1	EWFA1A110	1PB-S10
C8	2		CCT0-2R2	DTZ-2R2	NP02P2	CNO522	10TCC-V22
C9	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C10	.01		DM30-103J	CPR-10000J	CD20FD103J03	SX110	
C11	.01		1MDF-1-103	CPJ-103	DPMS4S1	EWFA1A110	1PB-S10
C12	500		CCD-501	DD-501	GP500	GP350	10TS-T50
C13	.04		CCD-403			GP140	5GA-S40
C14	.04		6DP-3-393			PVC6139	6PS-S39
C15	1				DPMS6S39	CNO510	10TCC-V10
C16	.04		CCD-403			GP140	5GA-S40
C17	.01		1MDF-1-103	CPJ-103	DPMS4S1	EWFA1A110	1PB-S10
C18	.039		6DP-3-393			PVC6139	6PS-S39
C19	100		DM10-101J	CPR-100J	CD10FD101J03	SX310	424MC1000J501
C20	.04		CCD-403			GP140	5GA-S40
C22	.0022		CCD-222			GP222	10TS-D22
C23	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C26	.047		1MDF-2-473		DPMS2S47	EWFA1A147	1PB-S47
C27	.04 10%		6DP-3-333		DPMS6S33	EWFA1A133	6PS-S33
C28	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C29	.0047		CCD-472				10TS-D47
C31	.1		1MDF-3-104		DPMS2P1	EWFA0A10	1PB-P10
C32	.1		1MDF-3-104		DPMS2P1	EWFA0A10	1PB-P10
C35	.01		1MDF-1-103	CPJ-103	DPMS4S1	EWFA1A110	1PB-S10
C36	.1		1MDF-3-104		DPMS2P1	EWFA0A10	1PB-P10
C37	.1		1MDF-3-104		DPMS2P1	EWFA0A10	1PB-P10
C38	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C39	50		DM10-500J		CD6ED500J03	SX482	
C40	47		DM10-470J	CPR-47J	CD6ED470J03	SX447	424MC470J501
C41	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C42	100 10%		DM10-101J	CPR-100J	CD10FD101J03	SX310	424MC1000J501
C43	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C44	5		DM10-050D		CD6CD050D03	SX347	424ME4700J501
C45	470		DM15-471J	CPR-470J	CD15FD471J03	SX482	424MC820J501
C46	80 5%		DM10-820J	CPR-82J	CD10ED820J03	MGP1	TG-P10
C47	.1			DC-104			
C49	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C50	.04		CCD-403			GP140	5GA-S40
C53	.04		CCD-403			GP140	5GA-S40
C56	.0022 10%		6DP-1-222	CPR-2200J	DPMS6D22	EWFA222	6PS-D22
C57	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C59	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C60	.01		1MDF-1-103	CPJ-103	DPMS4S1	EWFA1A110	1PB-S10
C61	80 5%		DM10-820J	CPR-82J	CD10ED820J03	SX482	424MC820J501
C62	20		DM10-200J	CPR-20J	CD6CD200J03	SX420	
C63	.04		CCD-403			GP140	5GA-S40

PARTS LIST AND D

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

CAPACITORS(cont)

ITEM No.	RATING
C64	47
C65	220 10%
C66	2
C67	.01
C68	.04
C69	.04
C70	.01
C71	33
C72	250 5%
C73	.04
C75	.04
C76	150 10%
C77	47
C78	.04
C79	.01
C81	39
C82	.04
C83	100
C84	3
C85	150
C86	3
C87	.01
C88	100 10%
C89	15
C90	39
C91	.01
C92	200 10%
C93	470 5%
C94	.01
C97	.04
C98	.04
C100	.01
C101	.001
C102	5
C104	.04
C105	.0047
C106	.0047
C107	.04
C108	.005
C109	.04
C115	.01
C117	.01
C118	.01
C119	.022
C212	.022

PARTS LIST AND DESCRIPTION (CONTINUED)

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

ELECTROLYTIC CAPACITORS

ITEM No.	RATING	REPLACEMENT DATA					
		MFGR. PART No.	ARCO PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.
C21	10 25V		RME-B-G-010	EP30-10	PC10-25	VTT10A25	EV-1322
C24	.47 50V					TDC474M050EL	SD50-R479
C25	1 50V	5018-035	RME-A-J-001	EP50-1	PC1-50	MTV1CB50	EV-1615
C30	100 10V	5018-022	RME-E-D-100	EP15-100	PC100-10	MTV100CB10	EV-1130
C33	100 10V	5018-022	RME-E-D-100	EP15-100	PC100-10	MTV100CB10	EV-1130
C34	100 16V		RME-E-E-100	EP15-100	PC100-16	MTV100CD15	EV-1230
C48	1 50V	5018-035	RME-A-J-001	EP50-1	PC1-50	MTV1CB50	EV-1615
C51	1 50V	5018-035	RME-A-J-001	EP50-1	PC1-50	MTV1CB50	EV-1615
C52	2.2 50V		RME-A-J-002	EP50-2	PC2-100	VTT2R2A50	EV-1517
C54	1 50V	5018-035	RME-A-J-001	EP50-1	PC1-50	MTV1CB50	EV-1615
C55	10 16V		RME-B-E-010	EP15-10	PC10-25	VTT10A25	EV-1222
	10 25V		RME-B-G-010	EP30-10	PC10-25	VTT10A25	EV-1322
C58	100 16V		RME-E-E-100	EP15-100	PC100-16	MTV100CD15	EV-1230
C80	1 50V	5018-035	RME-A-J-001	EP50-1	PC1-50	MTV1CB50	EV-1615
C95	470 16V	5018-024	RME-L-E-500	EP15-500	PC500-16	MTV500DN15	EV-1250
	47 16V	5018-034					
C96	470 16V	5018-024	RME-L-E-500	EP15-500	PC500-16	MTV500DN15	EV-1250
C99	1 50V	5018-035	RME-A-J-001	EP50-1	PC1-50	MTV1CB50	EV-1615
C103	1 50V	5018-035	RME-A-J-001	EP50-1	PC1-50	MTV1CB50	EV-1615
C114	2200 25V	5018-016	ME-G2000		WBR2000-25	TC2520A	TVA-1213.5
C116	220 16V	5018-014	RME-J-E-250	EP15-250	PC250-25	MTV250DE15	EV-1245
C120	2.2 25V		RME-A-G-002	EP30-2	PC2-100	VTT2R2A50	EV-1317

CAPACITORS

ITEM No.	RATING	MFGR. PART No.	REPLACEMENT DATA				
			ARCO/ELMENCOPART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.
C1	33		DM10-330J	CPR-33J	CD6ED330J03	SX433	2SS-S10
C2	.01		CCD-103	DC-103	GP10000	MAG5011	10TCC-V33
C3	3		CCT0-3R3	DTZ-3R3	NP03P3	CN0533	2SS-S10
C4	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C5	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C6	.01		1MDF-1-103	CPJ-103	DPMS4S1	EWFTA110	1PB-S10
C7	.01		1MDF-1-103	CPJ-103	DPMS4S1	EWFTA110	1PB-S10
C8	2		CCT0-2R2	DTZ-2R2	NP02P2	CN0522	10TCC-V22
C9	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C10	.01		DM30-103J	CPR-10000J	CD20FD103J03	SX110	2SS-S10
C11	.01		1MDF-1-103	CPJ-103	DPMS4S1	EWFTA110	1PB-S10
C12	500		CCD-501	DD-501	GP500	GP350	10TS-T50
C13	.04		CCD-403			GP140	5GA-S40
C14	.04		6DP-3-393		DPMS6S39	PVC6139	6PS-S39
C15	1				CN0510	10TCC-V10	5GA-S40
C16	.04		CCD-403		GP140	GP140	5GA-S40
C17	.01		1MDF-1-103	CPJ-103	DPMS4S1	EWFTA110	1PB-S10
C18	.039		6DP-3-393		DPMS6S39	PVC6139	6PS-S39
C19	100		DM10-101J	CPR-100J	CD10FD101J03	SX310	424MC1000J501
C20	.04		CCD-403		GP140	GP140	5GA-S40
C22	.0022		CCD-222		GP222	10TS-D22	2SS-S10
C23	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C26	.047		1MDF-2-473		DPMS2S47	EWFTA147	1PB-S47
C27	.04 10%		6DP-3-333		DPMS6S33	EWFTA133	6PS-S33
C28	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C29	.0047		CCD-472			10TS-D47	1PB-P10
C31	.1		1MDF-3-104		DPMS2P1	EWFTA010	1PB-P10
C32	.1		1MDF-3-104		DPMS2P1	EWFTA010	1PB-P10
C35	.01		1MDF-1-103	CPJ-103	DPMS4S1	EWFTA110	1PB-S10
C36	.1		1MDF-3-104		DPMS2P1	EWFTA010	1PB-P10
C37	.1		1MDF-3-104		DPMS2P1	EWFTA010	1PB-P10
C38	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C39	50		DM10-500J		CD6ED500J03	SX447	424MC470RJ501
C40	47		DM10-470J	CPR-47J	CD6ED470J03	MAG5011	2SS-S10
C41	.01		CCD-103	CPR-100J	GP10000	SX310	424MC1000J501
C42	100 10%		DM10-101J	DC-103	CD10FD101J03	MAG5011	2SS-S10
C43	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C44	5		DM10-050D		CD6CD050D03	SX347	424ME4700J501
C45	470		DM15-471J	CPR-470J	CD15FD471J03	SX482	424MC82R0J501
C46	80 5%		DM10-820J	CPR-82J	CD10ED820J03	MGPI	TG-P10
C47	.1			DC-104	GP10000	MAG5001	2SS-S10
C49	.01		CCD-103	DC-103	GP140	GP140	5GA-S40
C50	.04		CCD-403		GP140	GP140	5GA-S40
C53	.04		6DP-1-222	CPR-2200J	DPMS6D22	EWFA222	6PS-D22
C56	.0022 10%		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C57	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C59	.01		1MDF-1-103	CPJ-103	DPMS4S1	EWFTA110	1PB-S10
C60	.01		DM10-820J	CPR-82J	CD10ED820J03	SX482	424MC82R0J501
C61	80 5%		DM10-200J	CPR-20J	CD6CD200J03	SX420	5GA-S40
C62	20					GP140	
C63	.04		CCD-403				

PARTS LIST AND DESCRIPTION (CONTINUED)

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

CAPACITORS(cont)

ITEM No.	RATING	MFGR. PART No.	REPLACEMENT DATA				
			ARCO/ELMENCOPART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.
C64	47		DM10-470J	CPR-47J	CD6ED470J03	SX447	424MC470RJ501
C65	220 10%		DM10-221J	CPR-220J	CD10FD221J03	SX322	424ME2200J501
C66	2		CCT0-2R2	DTZ-2R2	NP02P2	CN0522	10TCC-V22
C67	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C68	.04		CCD-403			GP140	5GA-S40
C69	.04		CCD-403			GP140	5GA-S40
C70	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C71	33		DM10-330J	CPR-33J	CD6ED330J03	SX433	
C72	250 5%		DM10-251J		CD10FD251J03		
C73	.04		CCD-403			GP140	5GA-S40
C75	.04		CCD-403			GP140	5GA-S40
C76	150 10%		DM10-151J	CPR-150J	CD7FD151J03	SX315	424MC1500J501
C77	47		DM10-470J	CPR-47J	CD6ED470J03	SX447	424MC470RJ501
C78	.04		CCD-403			GP140	5GA-S40
C79	.01		CCD-403			GP140	5GA-S40
C81	39		DM10-390J	CPR-39J	CD6ED390J03	SX439	5GA-S40
C82	.04		CCD-403			GP140	5GA-S40
C83	100		DM10-101J	CPR-100J	CD10FD101J03	SX310	424MC1000J501
C84	3		CCT0-3R3	DTZ-3R3	NP03P3	CN0533	10TCC-V33
C85	150		DM10-151J	CPR-150J	CD7FD151J03	SX315	424MC1500J501
C86	3		CCT0-3R3	DTZ-3R3	NP03P3	CN0533	10TCC-V33
C87	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C88	100 10%		DM10-101J	CPR-100J	CD10FD101J03	SX310	424MC1000J501
C89	15		DM10-150J		CD6CD150J03		
C90	39		DM10-390J	CPR-39J	CD6ED390J03	SX439	5GA-S40
C91	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C92	200 10%		DM10-201J	CPR-200J	CD10FD201J03	SX320	424ME2000J501
C93	470 5%		DM15-471J	CPR-470J	CD15FD471J03	SX347	424ME4700J501
C94	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C97	.04		CCD-403			GP140	5GA-S40
C98	.04		CCD-403			GP140	5GA-S40
C100	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C101	.001		CCD-102	DD-102	GP1000	GP210	2SS-D10
C102	5						
C104	.04		CCD-403			GP140	5GA-S40
C105	.0047		CCD-472	DD-472	GP4700	GP247	2SS-D47
C106	.0047		CCD-472	DD-472	GP4700	GP247	2SS-D47
C107	.04		CCD-403			GP140	5GA-S40
C108	.005		CCD-502	DC-502	GP5000	TA250	2SS-D50
C109	.04		CCD-403			GP140	5GA-S40
C115	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C117	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C118	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C119	.022		CCD-203	DC-203	GP10000	MAG5012	2SS-S20
C212	.022		CCD-203	DC-203		MAG5012	2SS-S20

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

ITEM No.	FUNCTION	RESISTANCE	REPLACEMENT DATA				
			MFGR. PART No.	CENTRALAB PART No.	CLAROSTAT PART No.	MALLORY PART No.	TRW PART No.
VR1	Tone	50K		F1-50K (1) SSK014	A47-50K-S (1), KSS-3 or [NP-50K-S (1), UP-C-400]	RU54L,SL36,SL1500 or [UA54L (1), SK750] or U35 (1)	BU1 (1), CF12, SS6A
VR2	Volume/Switch	10K		F2-10K (1), SSK014, KR-7	A47-10K-Z (1), KSS-3, SWE-20 or [NP-10K-Z (1), UP-C-400,NWE-20]	RU14A,SL36,SL1500, US42 or [UA14A (1),SK750, US42] or U18,US27	BU1 (1),CF61, SS6A,MF
VR3	RF Meter	20K	5008-008	T-20K (2) or TSV-25K (2)	C-503 (2)	MTC54L1 (2)	X201R253B (2)
VR4	Modulation Meter	50K	5008-032	T-50K (2) or TSV-50K (2) or T-50K (2)	C-253 (2)	MTC24L1 (2)	X201R503B (2)
VR5	"S" Meter	20K	5008-008	T-20K (2) or TSV-25K (2)	C-253 (2)	MTC24L1 (2)	X201R253B (2)
VR6	AGC	30K	5008-023	TSV-50K (2) or T-50K (2)	C-503 (2)	MTC54L1 (2)	X201R503B (2)
VR7	Squelch Range	50K	5008-032	TSV-50K (2) or T-50K (2)	C-503 (2)	MTC54L1 (2)	X201R503B (2)
VR8	Squelch	50K		FL-50K (1), SSK014	A47-50K-S (1), KSS-3 or [NP-50K-S (1), UP-C-400]	RU54L,SL36,SL1500 or [UA54L (1), SK750] or U35 (1)	BU1 (1), CF12, SS6A
VR9	Mic Gain	10K		F2-10K (1) SSK014	A47-10K-Z (1), KSS-3 or [NP-10K-Z (1), UP-C-400]	RU14A,SL36,SL1500 or [UA14A (1), SK750] or U18 (1)	BU1 (1),CF61, SS6A
VR12	Voltage	200	5008-041	T-200 (2) or TSV-250 (2)		MTC22L1 (2)	X201R251B (2)

(1) Enlarge mounting hole.

(2) Cut off one of the end terminals and bend to fit PC board.

PARTS LIST AND DESCRIPTION (CONTINUED)

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

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.
R93	10 3W			TH1	260 Cold NTC		TD5-A130
R94	2500 10W WW						

COILS (RF-IF)

ITEM No.	FUNCTION	REPLACEMENT DATA			REMARKS
		PART No.	OTHER IDENTIFICATION	MILLER PART No.	
L2	RF Choke (2.2uH)	5006-054	2R2	74F226AP	
L3	Line Choke	5006-123	LD-013		
L4	Xmit. Buffer (27MHz)	5006-120	LC-020		
L5	Xmit. Driver (27MHz)	5006-121	LC-017		
L6	RF Choke (2.2uH)	5006-054	2R2	74F226AP	
L7	RF Choke	5006-122	LD-012		
L8	Final Tank (27MHz)	5006-188	LC-019		
L9	Xmit. Antenna (27MHz)	5006-083	LE-006		
L10	TVI Trap (54MHz)	5006-116	LC-018		
T1	Rec Antenna (27MHz)	5006-118	LA-029		
T2	Rec RF (27MHz)	5006-189	LA-041		
T3	Synth Osc (37MHz)	5006-190	LA-042		
T4	Rec Mixer (10MHz)	5006-191	LA-043		
T5	Rec Mixer (10MHz)	5006-112	LA-019		
T6	Input IF (455kHz)	5006-192	LA-073		
T7	Interstage IF (455kHz)	5006-195	LA-106		
T8	Output IF (455kHz)	5006-195	LA-107		
T11	Xmit. Mixer (27MHz)	5006-049	LA-009		
T12	Xmit. Mixer (27MHz)	5006-049	LA-009		
T13	Xmit. Mixer (27MHz)	5006-050	LA-008		

PEARCE-SIMPSON MODEL SUPER LYNX

FILTER CHOKE

ITEM No.	RATINGS			REPLACEMENT DATA				NOTES
	CURRENT (Measured)	DC RES.	INDUCTANCE (0 CURRENT 1000~)	MFGR. PART No.	STANCOR PART No.	THORDARSON PART No.	TRIAD PART No.	
CH	1250mA	.2	.7mH	5006-124 (TF-017)				

TRANSFORMER (Power)

ITEM No.	RATING		REPLACEMENT DATA				NOTES
	PRI.	SEC. 1	MFGR. PART No.	STANCOR PART No.	THORDARSON PART No.	TRIAD PART No.	
T14	120V AC @ 460mA AC	40V AC @ 1250mA AC	(TF-058)				

TRANSFORMER (Driver)

ITEM No.	TURNS RATIO			REPLACEMENT DATA				NOTES
	PRI.	SEC. 1	SEC. 2	MFGR. PART No.	STANCOR PART No.	THORDARSON PART No.	TRIAD Part No.	
T9	1	1		5007-008 (TF-011)				

PARTS LIST AND DESCRIPTION (CONTINUED)

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

TRANSFORMER (Audio Output)

ITEM No.	IMPEDANCE		REPLACEMENT DATA				NOTES
	PRI.	SEC.	MFGR. PART No.	STANCOR PART No.	THORDARSON PART No.	TRIAD PART No.	
T10	128	8	5007-033 (TF-016)				

SPEAKER

ITEM No.	TYPE	REPLACEMENT DATA		NOTES
		MFGR. PART No.	QUAM PART No.	
SP	3" PM 8 ohms	(SP-015)		

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	1.5A Quick-Acting (DC)	5028-002	5029-001	AGC1 1/2	HDJ	31201.5	150145	FG1 1/2-2
F2	.7A Quick-Acting (AC)	5028-004	5029-004	AGC 3/4	HKP	312.750	342001AL	

MISCELLANEOUS

ITEM No.	PART NAME	PART No.	NOTES
CF	Filter	LF-B6	Ceramic (455kHz)
M1	Meter	MT-029	"S"/RF/Mod
S1	Switch		ANL
S2	Switch		PA-CB
S3	Switch		Channel Selector
S4	Switch		Receiv-o-slide
S5	Switch		Mod-RP
X1	Crystal	5003-001	QX-009 37.600MHz
X2	Crystal	5003-002	QX-009 37.650MHz
X3	Crystal	5003-003	QX-009 37.700MHz
X4	Crystal	5003-004	QX-009 37.750MHz
X5	Crystal	5003-005	QX-009 37.800MHz
X6	Crystal	5003-006	QX-009 37.850MHz
X7	Crystal	5003-010	QX-006 10.635MHz
X8	Crystal	5003-009	QX-006 10.625MHz
X9	Crystal	5003-008	QX-006 10.615MHz
X10	Crystal	5003-007	QX-006 10.595MHz
X11	Crystal	5003-014	QX-005 10.180MHz
X12	Crystal	5003-013	QX-005 10.170MHz
X13	Crystal	5003-012	QX-005 10.160MHz
X14	Crystal	5003-011	QX-005 10.140MHz
	Crystal Sockets	5010-012	
	Digital Clock	DT-H	

ACCESSORIES

ITEM	MFGR. PART No.	REMARKS
Microphone	MK-002	
AC Power Cord	SPT-1	