

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 Vega (516-139)

ALIGNMENT INSTRUCTIONS

Suggested Alignment Tools

L1, L2, L3, L5, L6, L7, L9, L10, L11, L16, T1, T5.....	GC ELECTRONICS #9440
MF1, T1, T2, T3, T4, L4, L8.....	#9089
T6, T7, L14, L15.....	#8728
C53.....	#5000, #8290

RECEIVER

Connect an AC VTVM or AF Wattmeter across speaker voice coil.
Adjustments made with 14-volt DC input.
Adjust volume control to obtain suitable reading.

SIGNAL GENERATOR	GEN FREQ	CHANNEL	ADJUST	REMARKS
High side thru .01uF to base of Q6, low side to ground.	455kHz, 1000Hz @ 30% modulation, output MINIMUM uV	Any	T4, T3, T2, MF1	Adjust for maximum.
High side thru .01uF to Antenna Jack, low side to ground.	27.085MHz, 1000Hz @ 30% modulation, output 1uV.	11	T5, T1, L3, L4, L8, L5, L6, L7, L2, L1	Adjust for maximum.
Frequency Counter High side thru .01uF to Emitter of Q4, low side to ground.		11	C53	Adjust for 14.970MHz.

RECEIVER ADJUSTMENTS

Connect an AC VTVM or AF Wattmeter across speaker voice coil.
These adjustments made with 14-volt DC input.
Adjust volume control to obtain a suitable reading.

SIGNAL GENERATOR	GEN FREQ	CHANNEL	ADJUST	REMARKS
"S" METER	27.085MHz, 1000Hz @ 30% modulation, output 50uV	11	R34	Adjust for "S9" reading on Panel meter.

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

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KRIS MODEL VEGA

TRANSMITTER

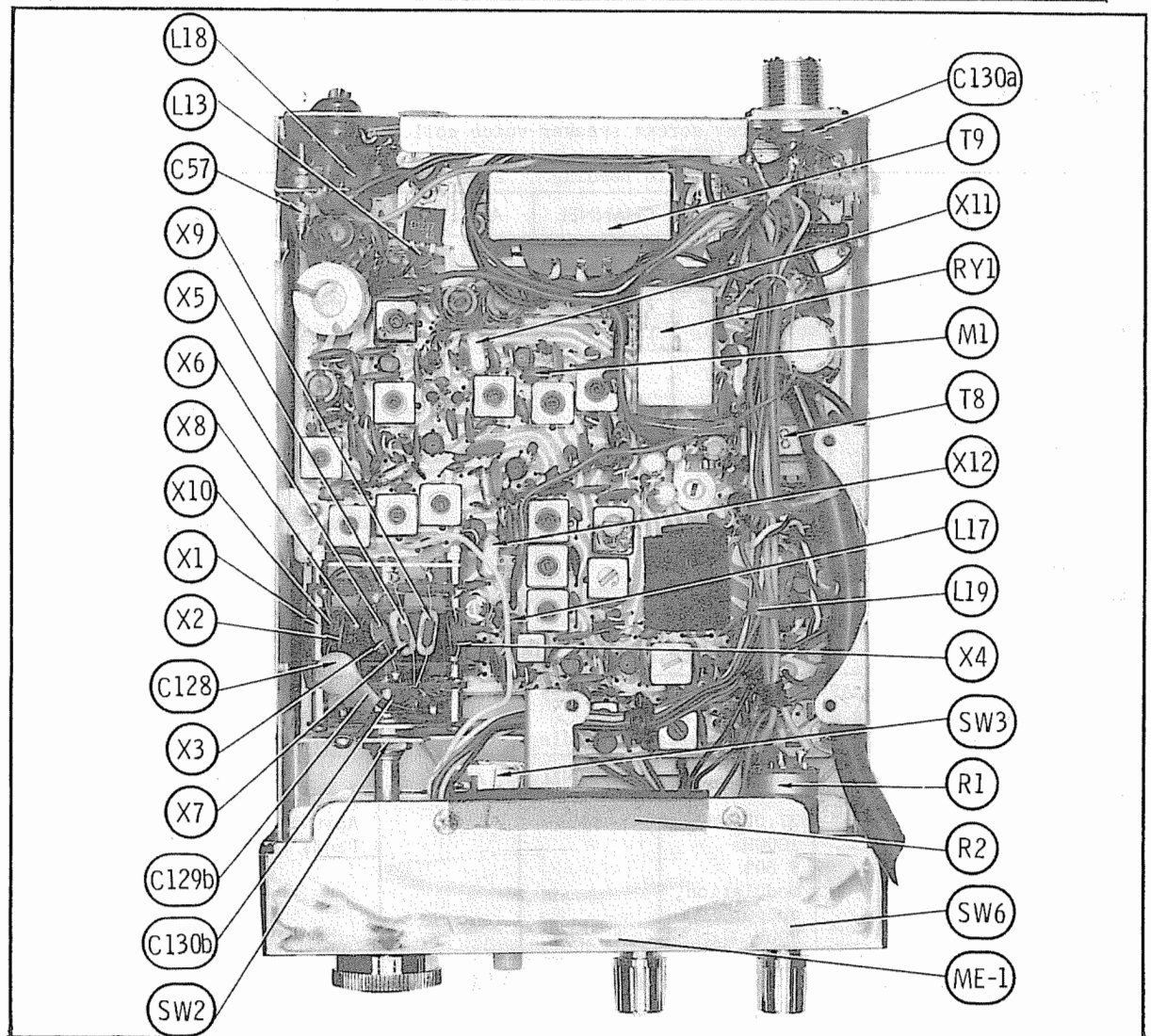
Connect an RF Wattmeter or 50-ohm, 25-watt dummy load to antenna connector.
Adjustments made with 14-volt DC input.

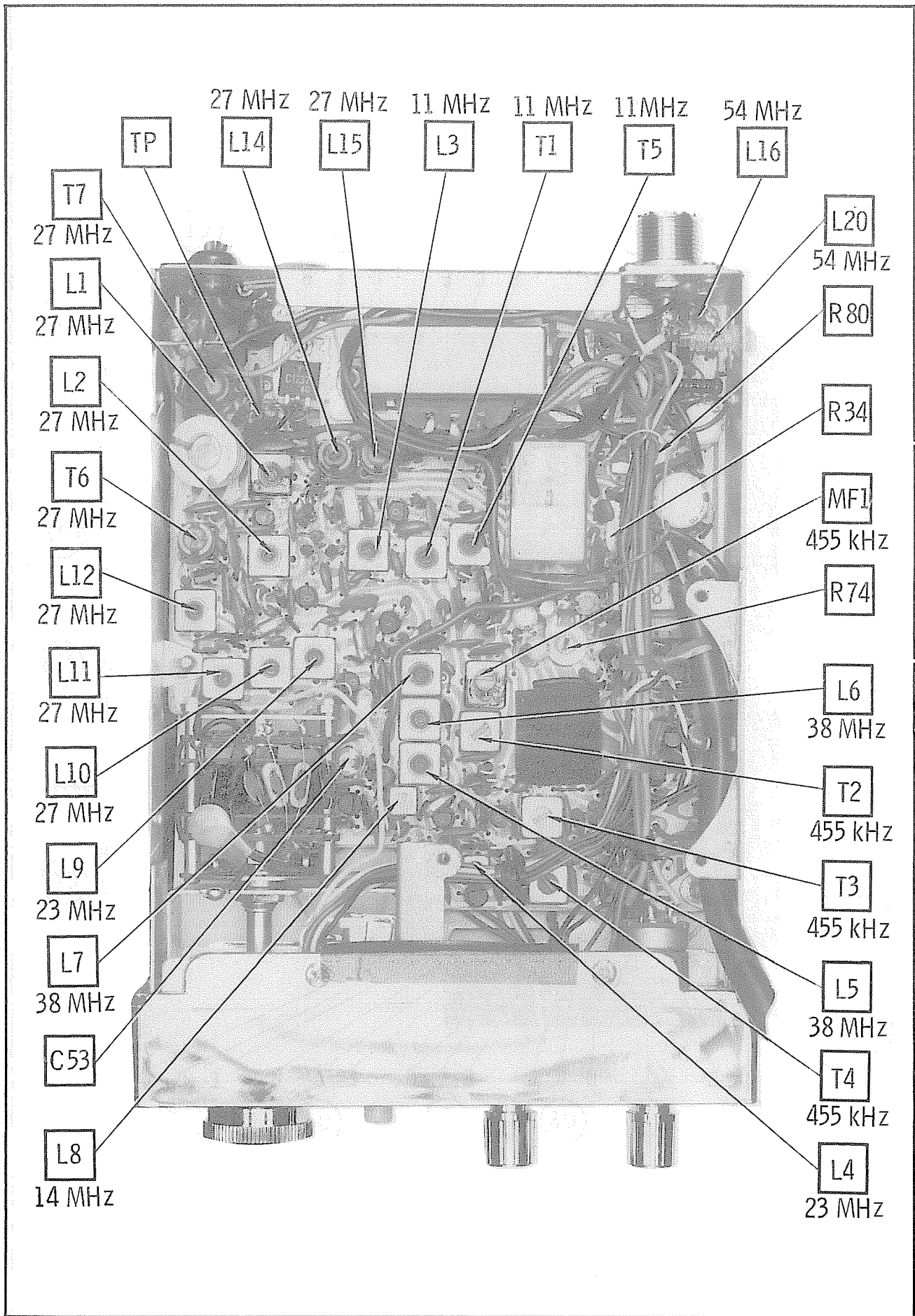
INDICATOR	ADJUST	REMARKS
OSCILLATOR, MIXER, BUFFER, DRIVER, FINAL RF Wattmeter	L9, L10, L11, L12, T6, T7, L14, L15 T7	Channel selector to 13. Key transmitter. Adjust for maximum.
OUTPUT POWER RF Wattmeter		Key transmitter. Adjust for 4 watts output.
TVI TRAP TV set to channel 2. TV set to active channel	L20 L16	Key transmitter. Adjust for MINIMUM interference on TV.
FINAL INPUT POWER Remove jumper at TP and connect 0-1.5 DC milliammeter.	L14	Adjust for 5 watts.

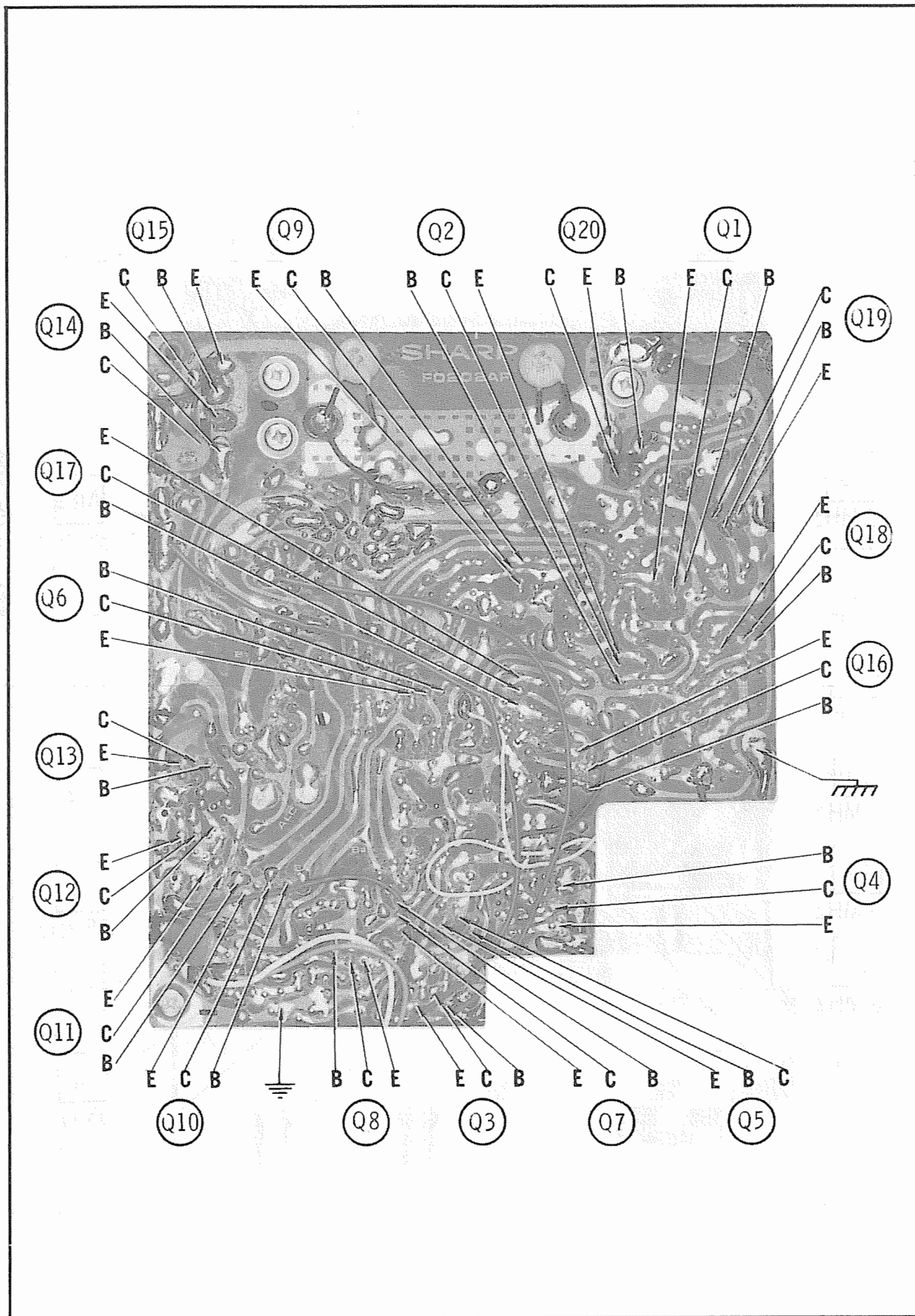
TRANSMITTER ADJUSTMENTS

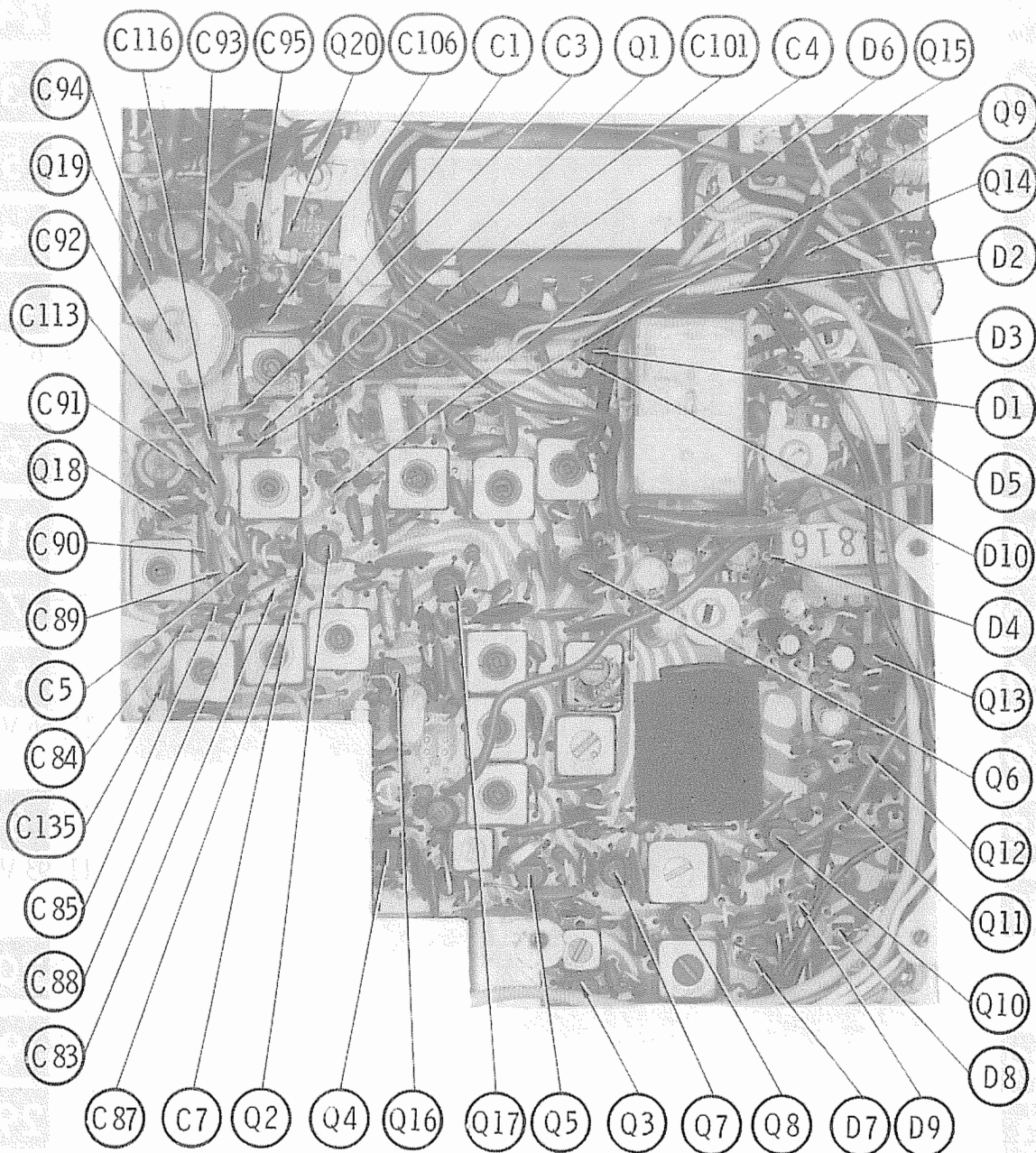
Connect an RF Wattmeter or 50-ohm, 25-watt dummy load to antenna connector.
Adjustments made with 14-volt DC input.

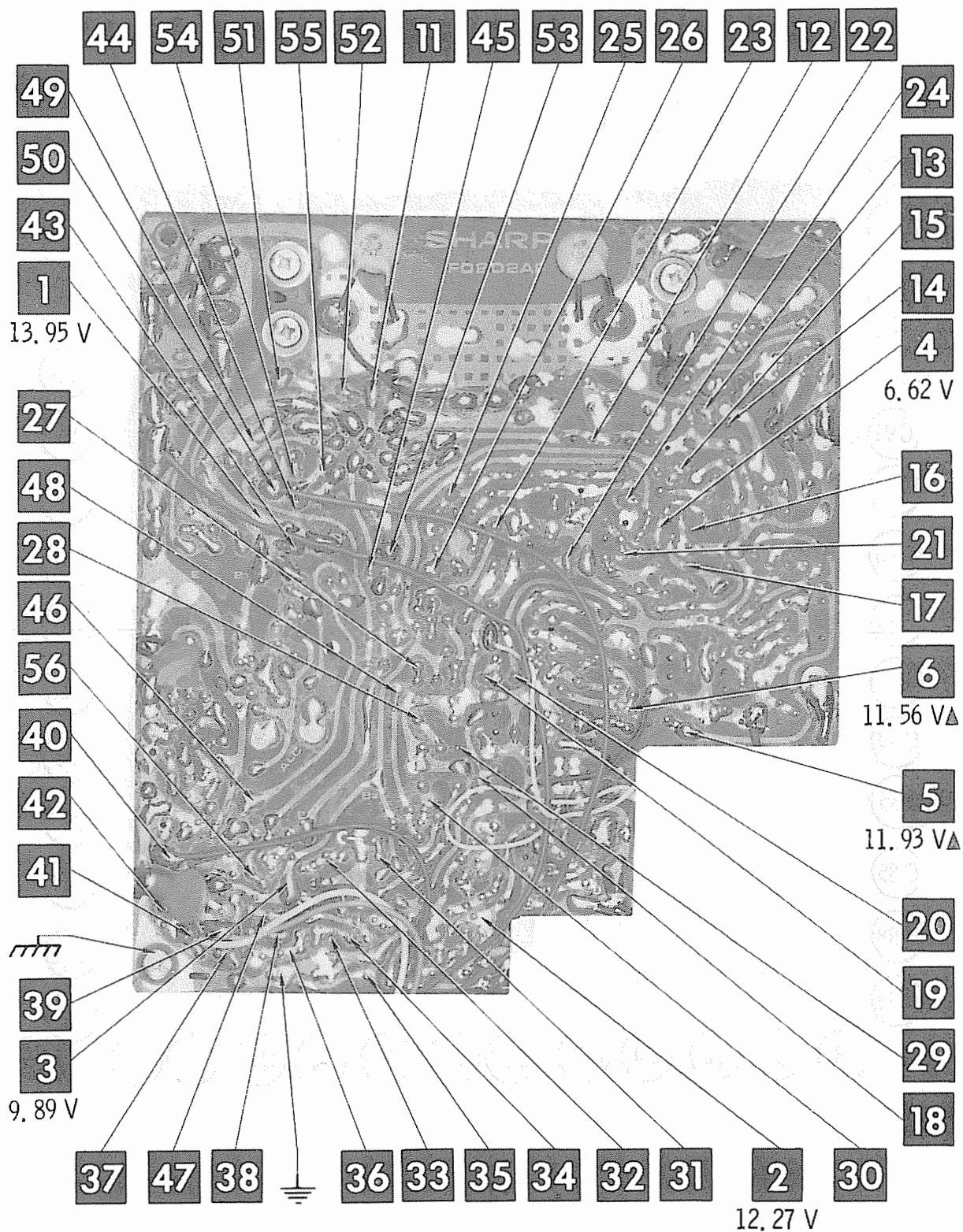
INDICATOR	ADJUST	REMARKS
AMC Modulation Meter connected to Antenna Jack.	R74	Inject a 1000Hz 10mV audio signal at mic input. Key transmitter. Adjust for 100% modulation maximum.
PF PANEL METER RF Wattmeter	R80	Key transmitter. Adjust so that panel RF meter agrees with RF wattmeter.

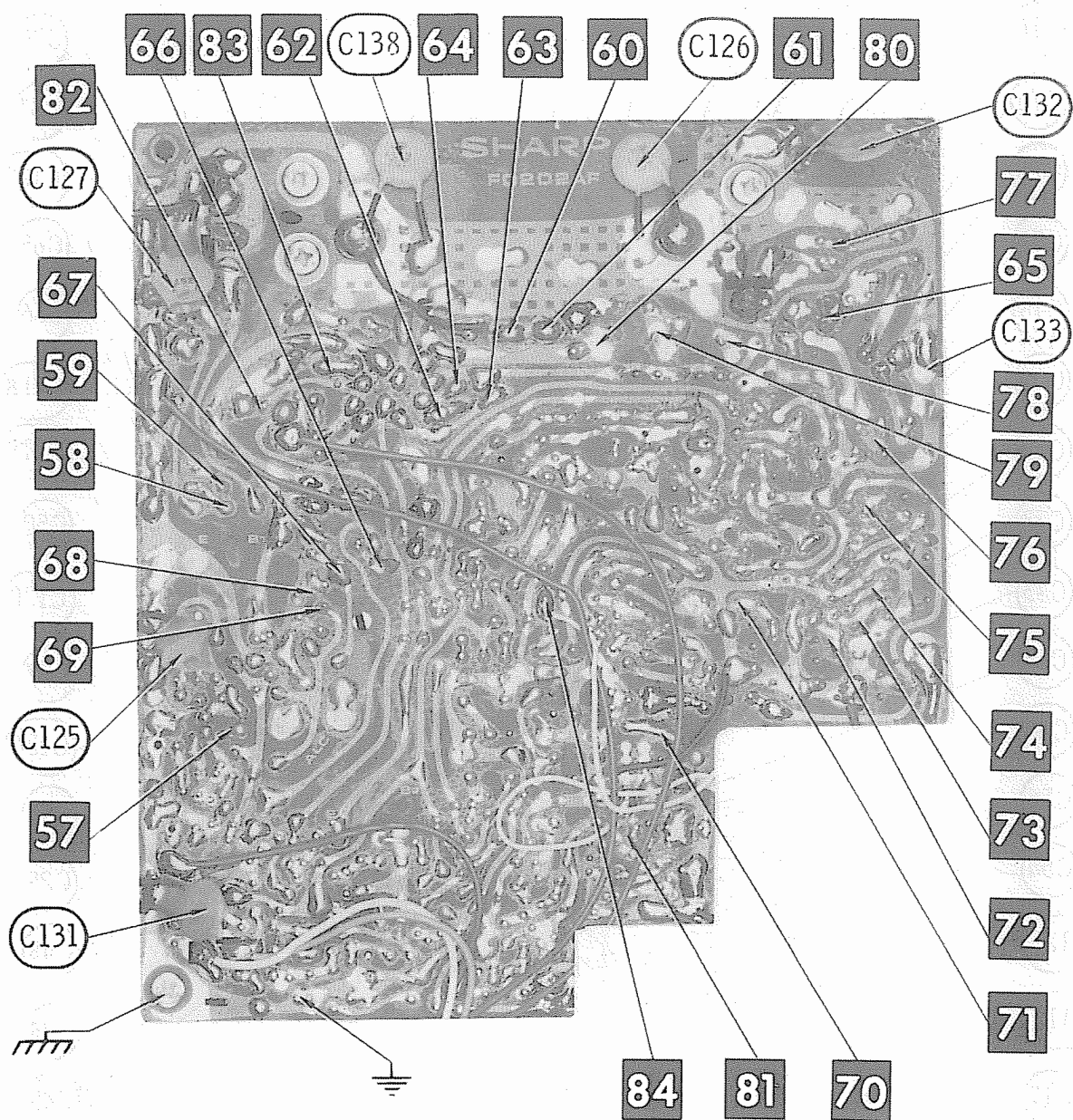




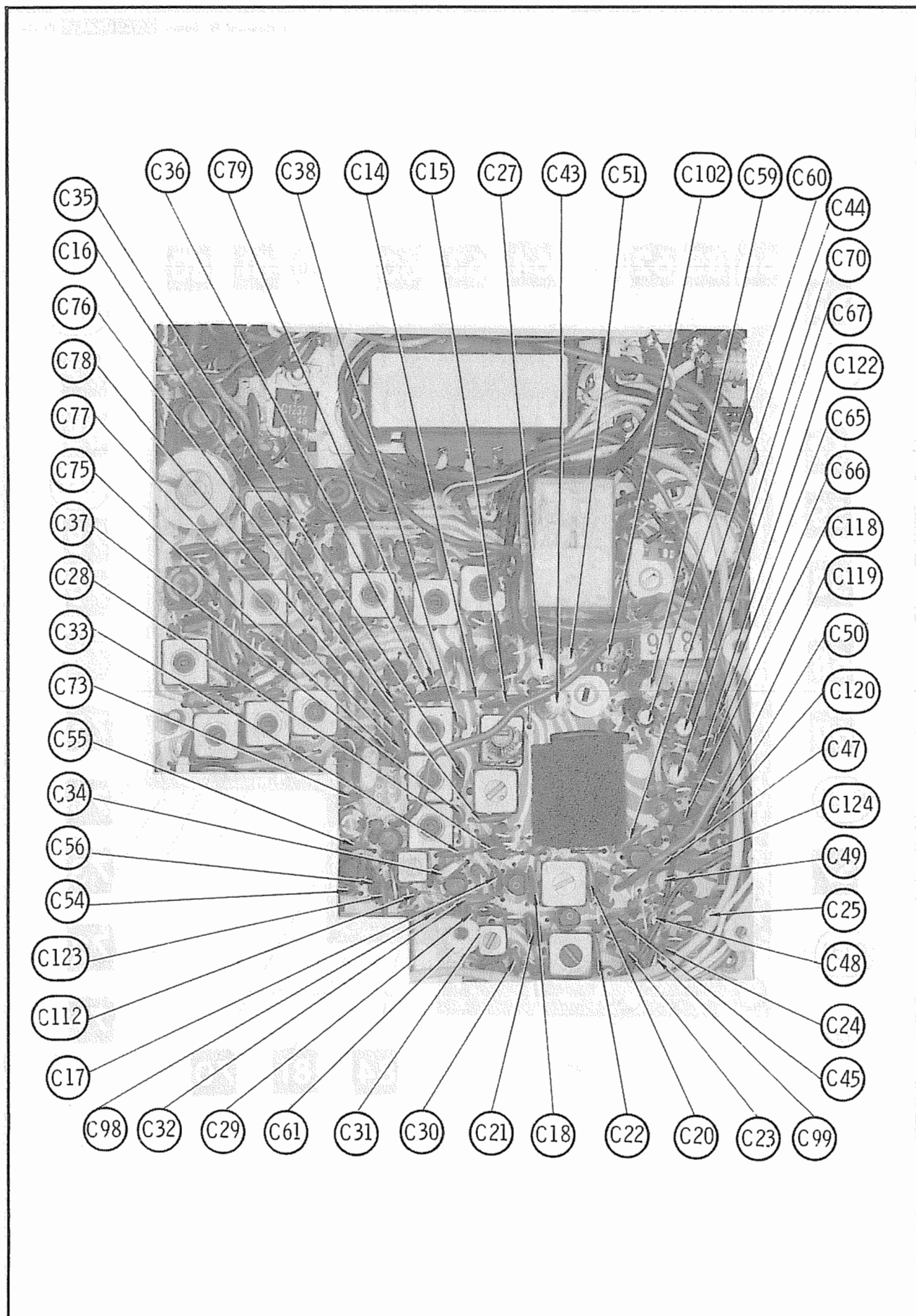


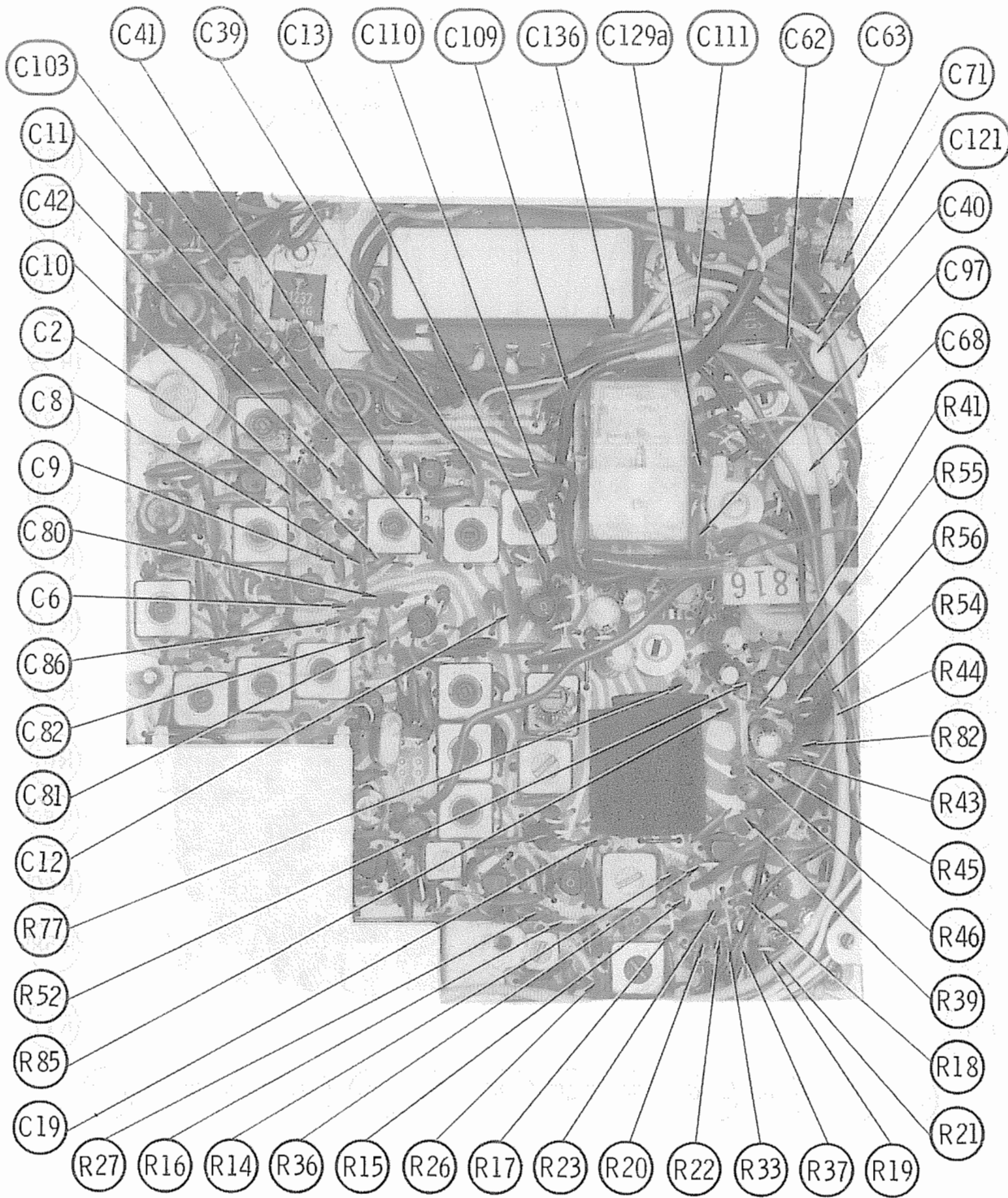


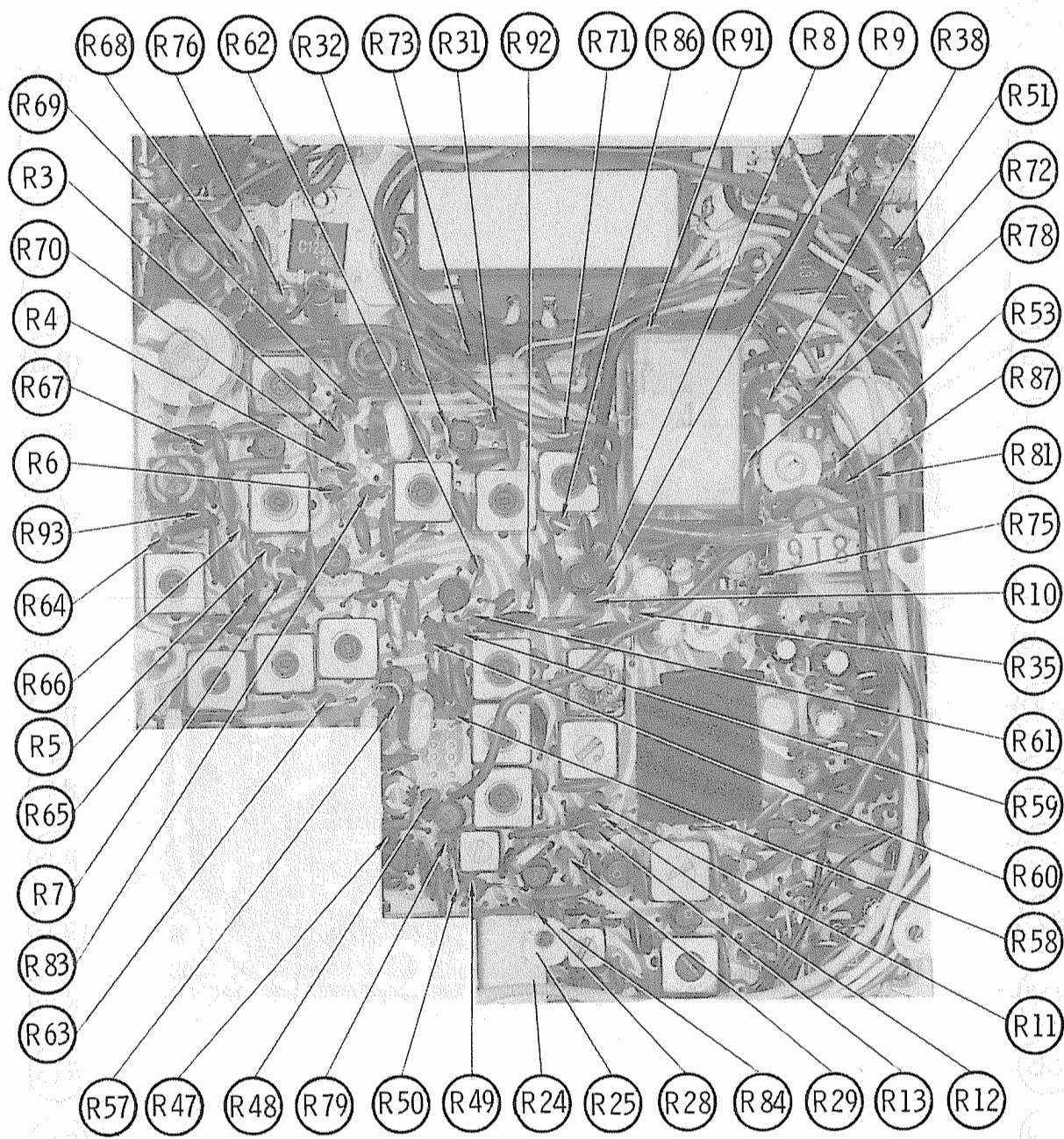




KRIS MODEL VEGA







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 8524 (Stranded) Available in 12 Colors
Power Cord, 2-Wire	Use BELDEN No. 17106 (Plastic) or 17126 (Rubber) -6 feet 17109 (Plastic) or 17129 (Rubber) -9 feet
Shielded Antenna Lead	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	1N60/VHD1N60-1	1N60	1N60	PTC206	HEP135	SK3088		ECG 109
D2	1N60/VHD1N60-1	1N60	1N60	PTC206	HEP135	SK3088		ECG 109
D3	WZ-100/VHEWZ-1001F 100 V Zener							
D4	1N60/VHD1N60-1	1N60	1N60	PTC206	HEP135	SK3088		ECG 109
D5	1S1209/VHVI1S1209-1	GE-504A	804 or 5A40	PTC201 or PTC202	HEPRO052	SK3030 or SK3031	RT213 or RT214	ECG 116 or ECG 117
D6	1N60/VHD1N60-1	1N60	1N60	PTC206	HEP135	SK3088		ECG 109
D7	1N60/VHD1N60-1	1N60	1N60	PTC206	HEP135	SK3088		ECG 109
D8	1N60/VHD1N60-1	1N60	1N60	PTC206	HEP135	SK3088		ECG 109
D9	1N60/VHD1N60-1	1N60	1N60	PTC206	HEP135	SK3088		ECG 109
D10	1N60/VHD1N60-1	1N60	1N60	PTC206	HEP135	SK3088		ECG 109
Q1	2SC784(R)/ VS2SC784-R1F	GE-20	TR-70	PTC121	HEP56	SK3018	RT108	ECG 107
Q2	2SC394(O)/ VS2SC394-O-1	GE-60	TR-33	PTC121	HEP53	SK3018	RT108	ECG 107
Q3	2SC394(Y)/ VS2SC394-Y-1	GE-17	TR-33	PTC139	HEP53	SK3018	RT108	ECG 107
Q4	2SC372(O) 2SC371-R-1 (1)	GE-20	TR-24	PTC139	HEP55	SK3018	RT102	ECG 123A
Q5	2SC394(Y)/ VS2SC394-Y-1	GE-17	TR-33	PTC139	HEP53	SK3018	ET108	ECG 107
Q6	2SC372(O) 2SC371-R-1 (1)	GE-20	TR-24	PTC139	HEP55	SK3018	RT102	ECG 123A
Q7	2SC372(O) 2SC371-R-1 (1)	GE-20	TR-24	PTC139	HEP55	SK3018	RT102	ECG 123A
Q8	2SC372(O) 2SC371-R-1 (1)	GE-20	TR-24	PTC139	HEP55	SK3018	RT102	ECG 123A
Q9	2SC372(O) 2SC371-R-1 (1)	GE-20	TR-24	PTC139	HEP55	SK3018	RT102	ECG 123A
Q10	2SC372(O) 2SC371-R-1 (1)	GE-20	TR-24	PTC139	HEP55	SK3018	RT102	ECG 123A
Q11	2SC373(GR) (1) VS2SC371-R-1 (1)	GE-20	TR-33	PTC121	HEP50	SK3018	RT102	ECG 123A
Q12	2SC733(BL) VS2SC734-B-1	GE-20	TR-51	PTC139	HEP729	SK3124	RT102	ECG 199
Q13	2SC732(BL) VS2SC732-V1F	GE-20	TR-21	PTC123	HEP730	SK3124	RT102	ECG 123A
Q14	2SC735(Y)/ VS2SC735-Y-1	GE-63	TR-21	PTC123	HEP53	SK3124	RT102	ECG 123A
Q15	2SC1173(Y)/ VS2SC1173-Y-3 (2)	GE-66	TR-76	PTC110		SK3041	RT154	ECG 152
Q16	2SC1173(Y)/ VS2SC1173-Y-3 (2)	GE-66	TR-76	PTC110		SK3041	RT154	ECG 152
Q17	2SC372(O) 2SC735(Y)/ VS2SC735-Y-1	GE-20	TR-24	PTC139	HEP55	SK3018	RT102	ECG 123A
Q18	2SC1166(Y)/ VS2SC1166-Y-1(3)	GE-18	TR-63	PTC143	HEP713	SK3024	RT110	ECG 154
Q19	2SC481(X)/ VS2SC481-I(4)	GE-45	TR-64		HEPS3001	SK3047		ECG 195
Q20	2SC1237/ VS2SC1237-1	GE-28	TR-55	PTC110		SK3054		ECG 210

(1) Used in some versions.

(2) Rating 10 Watt @ 3 Amp.

(3) Rating 600 MW @ 200 MA.

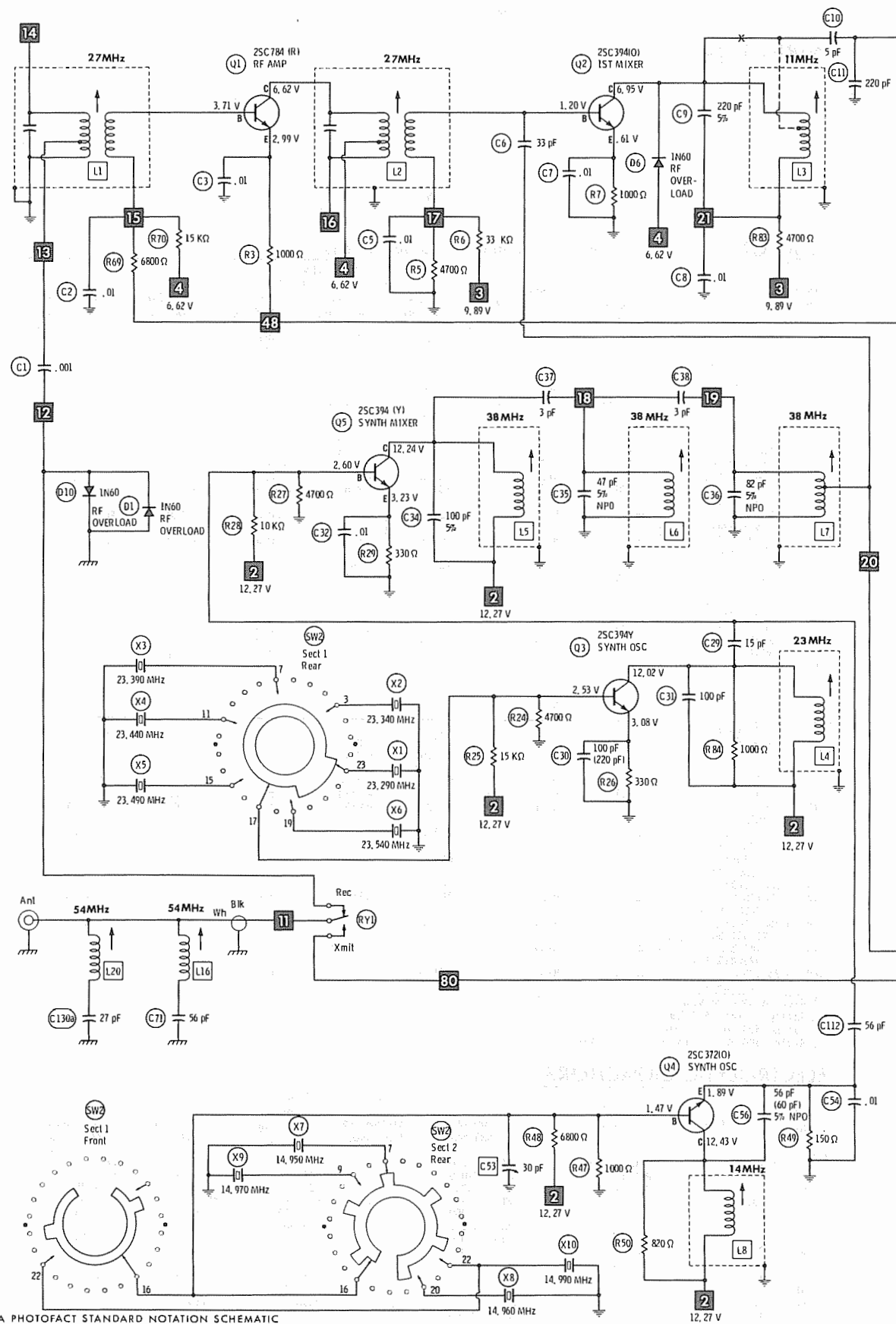
(4) Rating 600 MW @ 1 Amp with Heat Sink.

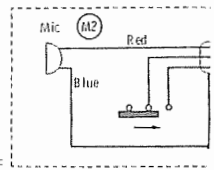
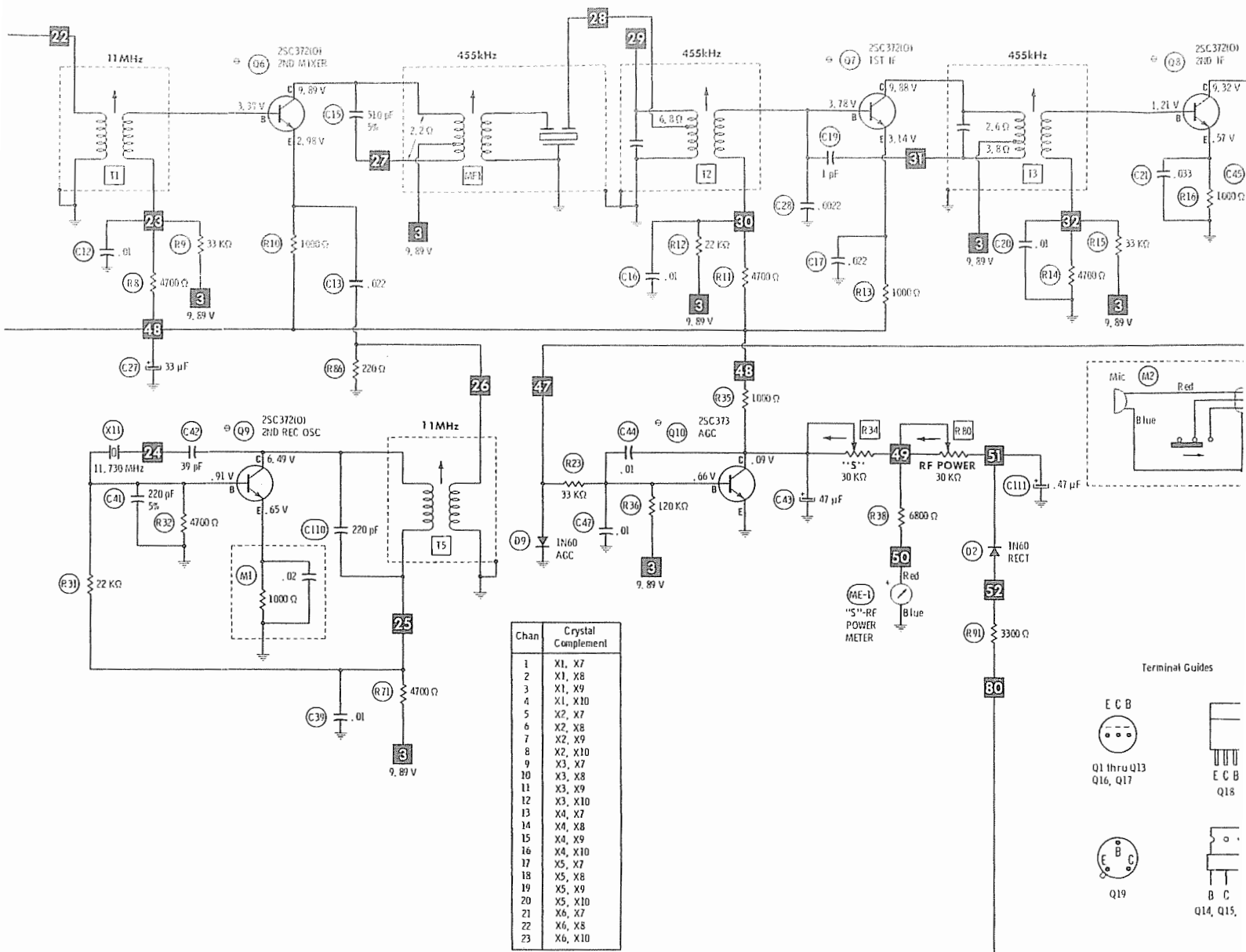
ELECTROLYTIC CAPACITORS

ITEM No.	RATING	REPLACEMENT DATA					
		MFR. PART No.	ARCO PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.
C24	10 16V	VCEAAU1CW106Y	RME-B-E-010	EP15-10	PC10-25	VTT10A25	EV-1222
C25	4.7 25V	VCEAAU1EW475Y	RME-A-G-005	EP30-5	PC5-50	VTT4R7A50	EV-1319
C27	33 10V	VCEAAU1AW336Y	ME-3-D-035	EP15-25	PC30-25	VTT33A10	EV-1125
C40	100 10V	VCEAAU1CW107Y	RME-E-D-100	EP15-100	PC100-10	MTV100CB10	EV-1130
C43	47 10V	VCEAAU1CW106Y	RME-D-D-050	EP15-50	PC50-10	MTV50CB15	EV-1226
C48	4.7 25V	VCEAAU1EW475Y	RME-A-G-005	EP30-5	PC5-50	VTT4R7A50	EV-1319
C49	4.7 25V	VCEAAU1EW475Y	RME-A-G-005	EP30-5	PC5-50	VTT4R7A50	EV-1319
C50	47 10V	VCEAAU1CW476Y	RME-D-D-050	EP15-50	PC50-10	MTV50CB15	EV-1226
C51	4.7 25V	VCEAAU1EW475Y	RME-A-G-005	EP30-5	PC5-50	VTT4R7A50	EV-1319
C59	4.7 25V	VCEAAU1EW475Y	RME-A-G-005	EP30-5	PC5-50	VTT4R7A50	EV-1319
C60	10 16V	VCEAAU1CW106Y	RME-B-E-010	EP15-10	PC10-25	VTT10A25	EV-1222
C65	47 10V	VCEAAU1CW476Y	RME-D-D-050	EP15-50	PC50-10	MTV50CB15	EV-1226
C67	4.7 25V	VCEAAU1EW475Y	RME-A-G-005	EP30-5	PC5-50	VTT4R7A50	EV-1319
C68	470 16V	VCEAAU1CW477Y	RME-L-E-500	EP15-500	PC500-16	MTV500DN15	EV-1250
C70	10 16V	VCEAAU1CW106Y	RME-B-E-010	EP15-10	PC10-25	VTT10A25	EV-1222
C102	33 10V	VCEAAU1AW336Y	ME-3-D-035	EP15-25	PC30-25	VTT33A10	EV-1125
C111	.47	VCAAKUOX474M				TDC474M050EL	SD50-R479
C129a	.1	VCAAKUOX4104M				TDC105M050EL	SD50-R19

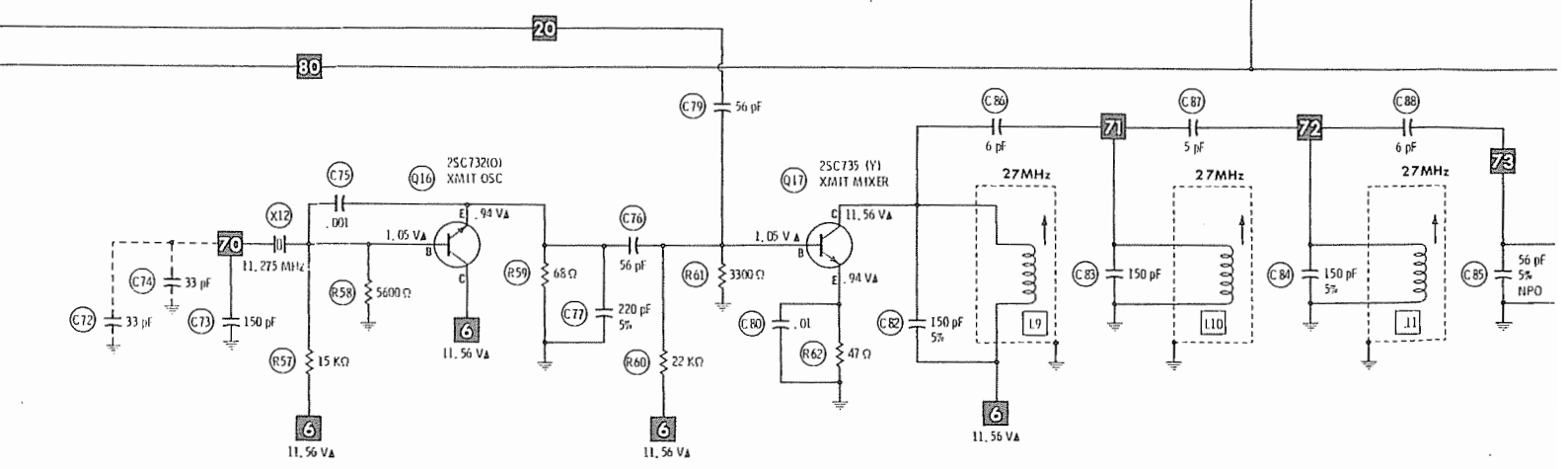
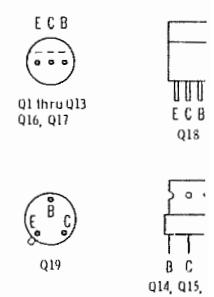
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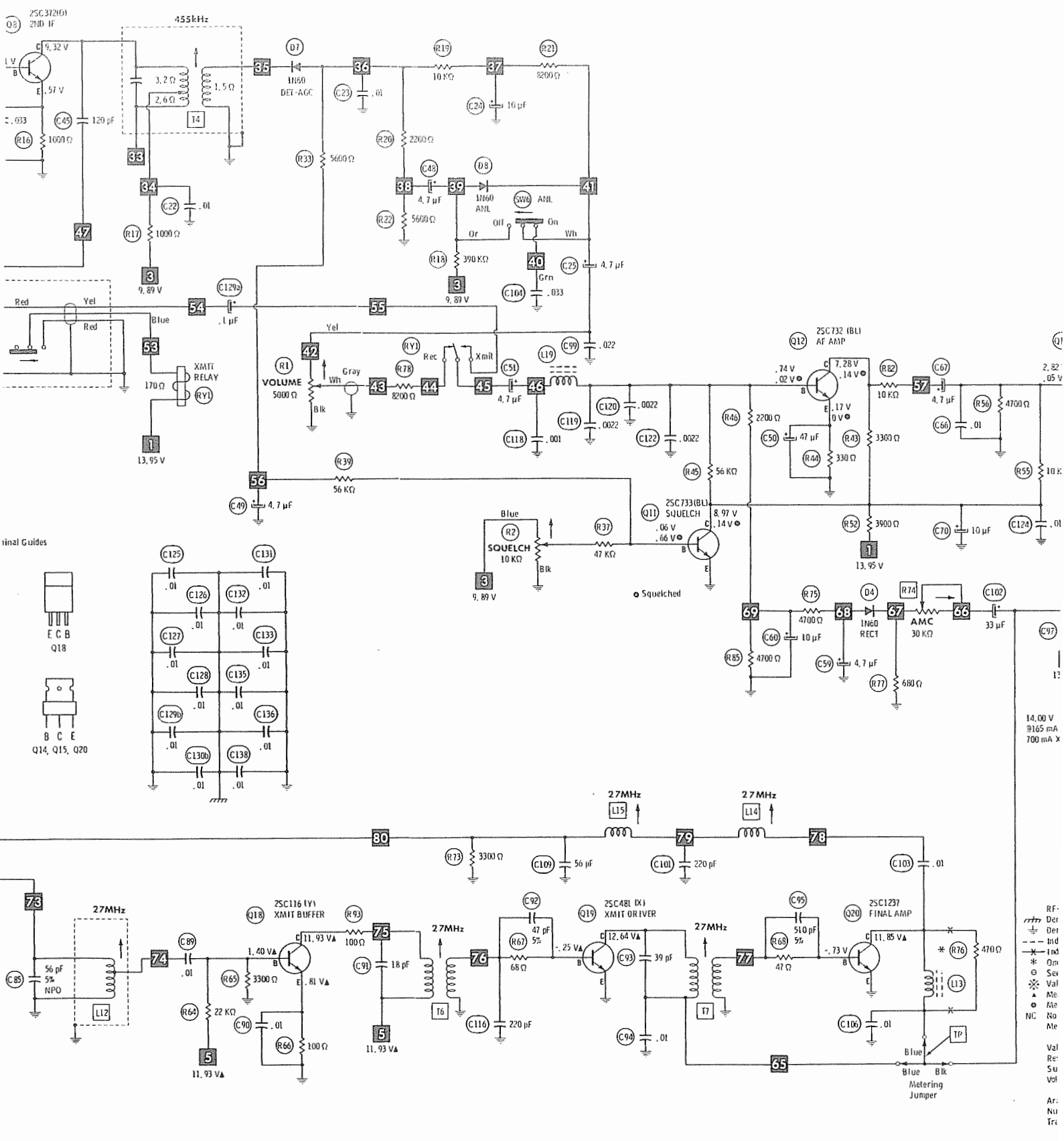
KRIS MODEL VEGA

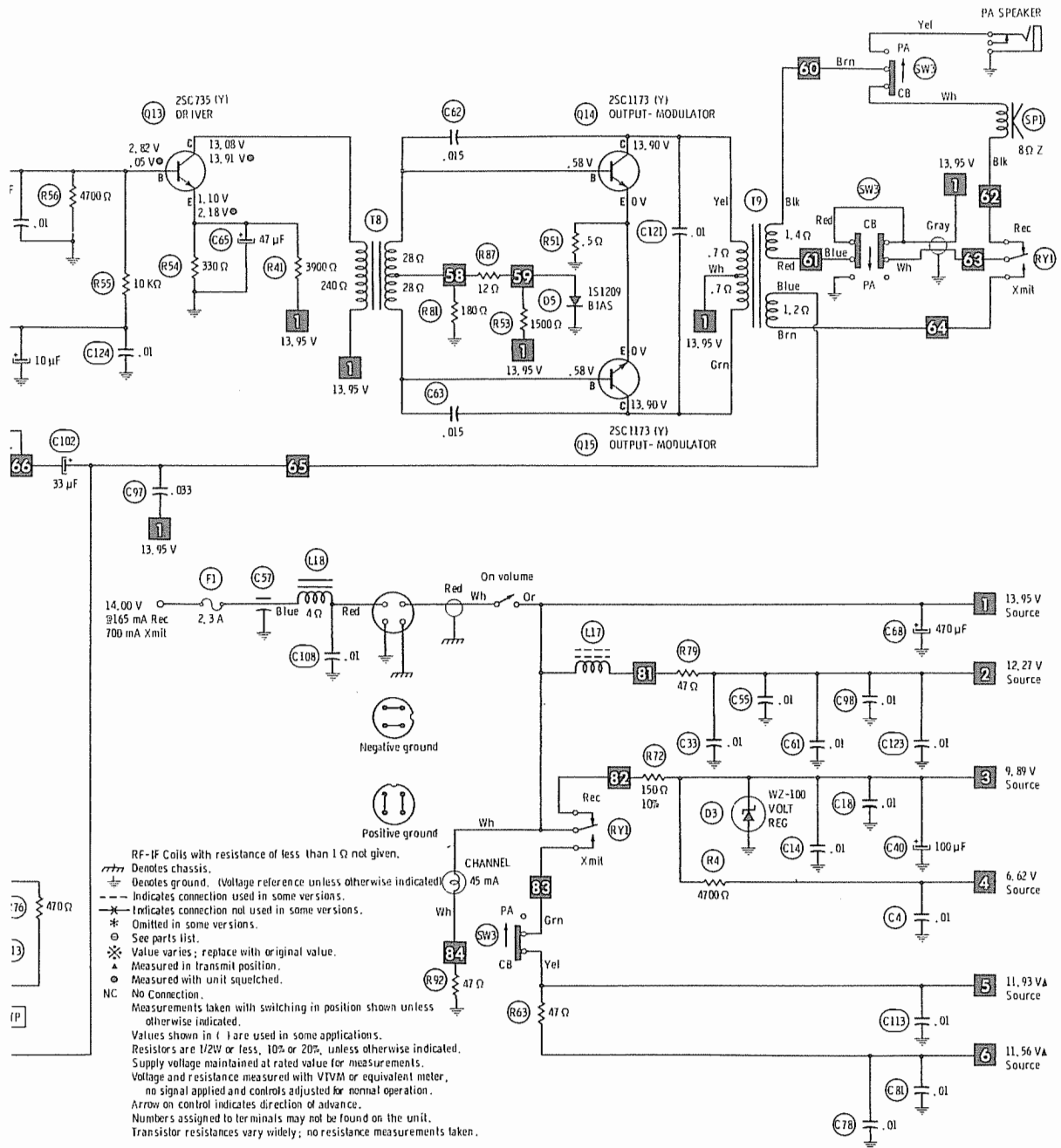




Terminal Guides







PARTS LIST AND DESCRIPTION (CONTINUED)

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

PARTS I

(When

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	.001	RT0-H20007AFZZ	1MDF-1-102	CPJ-102	DPMS6D1	EWFA1A210	1PB-D1D
C2	.01		CCD-103	DC-103	GP10000	MAG5011	25S-S10
C3	.01		CCD-103	DC-103	GP10000	MAG5011	25S-S10
C4	.01		DM30-103J	CPR-10000J	CD20FD103J03	5X110	424ME5100J501
C5	.01		CCD-103	DC-103	GP10000	MAG5011	25S-S10
C6	33		CCTO-330	DTZ-33	NP033	CN0433	10TCC-Q33
C7	.01		CCD-103	DC-103	GP10000	MAG5011	25S-S10
C8	.01		CCD-103	DC-103	GP10000	MAG5011	25S-S10
C9	220 5%		CCD-103	DC-103	GP10000	MAG5011	25S-S10
C10	5		CCTO-050	DTZ-220	DPMS6D1	EWFA1A210	10TCC-T22
C11	220		CCD-221	DO-221	GP322	MAG5011	10TCC-V50
C12	.01		CCD-103	DC-103	GP10000	MAG5011	25S-S10
C13	.02		1MDF-1-203	CPJ-203	OPMS252	PVC212	2PS-S20
C14	.01		CCD-103	DC-103	GP10000	MAG5011	25S-S10
C15	510 5%		DM15-511J	CPR-510J	CD15F0511J03	5X351	424ME5100J501
C16	.01		CCD-103	DC-103	GP10000	MAG5011	25S-S10
C17	.022		1MDF-1-223	CPJ-223	OPMS2522	EWFA1A122	1PB-S22
C18	.01		CCD-103	DC-103	GP10000	MAG5011	25S-S10
C19	.0022		CCD-222	DO-222	GP222	MAG5011	25S-S10
C20	.01		CCD-103	DC-103	GP10000	MAG5011	25S-S10
C21	.033		6DP-3-333	DC-103	DPMS6533	EWFA1A133	6PS-S33
C22	.01		CCD-103	DC-103	GP10000	MAG5011	25S-S10
C23	.01		CCD-103	DC-103	GP10000	MAG5011	25S-S10
C28	.0022		6DP-1-222	CPR-2200J	DPMS6D22	EWFA1A122	6PS-D22
C29	15		CCTO-150	DTZ-15	NP015	CN0415	10TCC-Q15
C30	100		CCTO-101	DTZ-100	NP0100	CN0310	10TCC-T10
C31	100		CCTO-101	DTZ-100	NP0100	CN0310	10TCC-T10
C32	.01		CCD-103	DC-103	GP10000	MAG5011	25S-S10
C33	.01		CCD-103	DC-103	GP10000	MAG5011	25S-S10
C34	100 5%		CCD-103	DC-103	GP10000	MAG5011	25S-S10
C35	47 5% NPO		CCD-103	DC-103	GP10000	MAG5011	25S-S10
C36	82 5% NPO		CCD-103	DC-103	GP10000	MAG5011	25S-S10
C37	3		CCTO-3R3	DTZ-3R3	NP03P3	CN0533	10TCC-V33
C38	3		CCTO-3R3	DTZ-3R3	NP03P3	CN0533	10TCC-V33
C39	.01		CCO-103	DC-103	GP10000	MAG5011	25S-S10
C41	220 5%		CCO-103	DC-103	GP10000	MAG5011	25S-S10
C42	39		CCO-103	DC-103	GP10000	MAG5011	25S-S10
C44	.01		CCO-103	DC-103	GP10000	MAG5011	25S-S10
C45	120		CCO-103	DC-103	GP10000	MAG5011	25S-S10
C47	.01		CCO-103	DC-103	GP10000	MAG5011	25S-S10
C53	30		1MDF-1-103	CPJ-103	DPMS451	EWFA1A110	1PB-S10
C54	.01		CCD-103	DC-103	GP10000	MAG5011	25S-S10
C55	.01		CCD-103	DC-103	GP10000	MAG5011	25S-S10
C56	56 5% NPO		CCD-103	DC-103	GP10000	MAG5011	25S-S10
C57	.01		CCO-103	DC-103	GP10000	MAG5011	25S-S10
C62	.015		1MDF-1-153	CPJ-153	DPMS4515	EWFA1A115	1PB-S15
C63	.015		1MDF-1-153	CPJ-153	DPMS4515	EWFA1A115	1PB-S15
C66	.01		1MDF-1-103	CPJ-103	DPMS451	EWFA1A110	1PB-S10
C71	56		CCTO-560	DTZ-33	NP033	CN0433	10TCC-Q33
C72	33		CCTO-330	DTZ-150	NP033	CN0315	10TCC-T15
C73	150		CCTO-330	DTZ-33	NP033	CN0433	10TCC-Q33
C74	33		1MDF-1-102	CPJ-102	DPMS6D1	EWFA1A210	1PB-D1D
C75	.001		CCTO-560	DTZ-220	GP10000	MAG5011	25S-S10
C76	56		CCO-103	DC-103	GP10000	MAG5011	25S-S10
C77	220 5%		CCO-103	DC-103	GP10000	MAG5011	25S-S10
C78	.01		CCO-103	DC-103	GP10000	MAG5011	25S-S10
C79	56		CCO-103	DC-103	GP10000	MAG5011	25S-S10
C80	.01		CCO-103	DC-103	GP10000	MAG5011	25S-S10
C81	.01		CCO-103	DC-103	GP10000	MAG5011	25S-S10
C82	150 5%		CCO-151	DTZ-150	NP0315	CN0315	10TCC-T15
C83	150		CCO-151	DTZ-150	NP0315	CN0315	10TCC-T15
C84	150 5%		CCO-151	DTZ-150	NP0315	CN0315	10TCC-T15
C85	56 5% NPO		CCO-151	DTZ-150	NP0315	CN0315	10TCC-T15
C86	6		CCO-151	DTZ-150	NP0315	CN0315	10TCC-T15
C87	5		CCO-151	DTZ-150	NP0315	CN0315	10TCC-T15
C88	6		CCO-151	DTZ-150	NP0315	CN0315	10TCC-T15
C89	.01		CCO-103	DC-103	GP10000	MAG5011	25S-S10
C90	.01		CCO-103	DC-103	GP10000	MAG5011	25S-S10
C91	18		CCTO-180	DTZ-47	NP047	CN0447	10TCC-Q47
C92	47 5%		CCTO-470	DTZ-47	NP047	CN0447	10TCC-Q47
C93	39		CCTO-390	DTZ-47	NP047	CN0447	10TCC-Q47
C94	.01		CCO-103	DC-103	GP10000	MAG5011	25S-S10
C95	5.0 5%		DM15-511J	CPR-510J	CD15F0511J03	5X351	424ME5100J501
C97	.033		6DP-3-333	DC-103	DPMS6533	EWFA1A133	6PS-S33
C98	.01		CCD-103	DC-103	GP10000	MAG5011	25S-S10
C99	.022		1MDF-1-223	CPJ-223	OPMS2522	EWFA1A122	1PB-S22
C101	220		CCD-221	DO-221	GP222	MAG5011	25S-S10
C103	.01		CCD-103	DC-103	GP10000	MAG5011	25S-S10
C104	.033		CCD-403	DC-103	GP140	MAG5011	5GA-S40
C106	.01		CCD-103	DC-103	GP10000	MAG5011	25S-S10
C108	.01		CCD-103	DC-103	GP10000	MAG5011	25S-S10
C109	56		CCD-560	DO-560	GP456	MAG5011	10TS-Q56
C110	220		CCD-201	DO-201	GP200	MAG5011	10TS-T20
C112	56		CCD-560	DO-560	GP456	MAG5011	10TS-Q56
C113	.01		CCO-103	DC-103	GP10000	MAG5011	25S-S10
C116	220		CCO-201	DO-201	GP200	MAG5011	25S-S10
C118	.001		1MDF-1-102	CPJ-102	DPMS6D1	EWFA1A210	1PB-D1D
C119	.0022		6DP-1-222	CPR-2200J	DPMS6D22	EWFA1A122	6PS-D22
C120	.0022		6DP-1-222	CPR-2200J	DPMS6D22	EWFA1A122	6PS-D22
C121	.01		1MDF-1-103	CPJ-103	DPMS451	EWFA1A110	1PB-S10
C122	.0022		6DP-1-222	CPR-2200J	DPMS6D22	EWFA1A122	6PS-D22

CAPAC

ITEM No.	
C123	.0
C124	.0
C125	.0
C126	.0
C127	.0
C128	.0
C129b	.0
C130a	.27
C130b	.0
C131	.0
C132	.0
C133	.0
C135	.0
C136	.C
C138	.C

CONTR

ITEM No.	
R1	Vo
R2	Sq
R34	"S
R74	AM
R80	RF

(2) Cut o

COILS I

ITEM No.	
L1	Rec
L2	Rec
L3	1ST
L4	23P
L5	38P
L6	38P
L7	38P
L8	14P
L9	Syr
L10	Syr
L11	Syr
L12	Syr
L13	RF
L14	Fir
L15	Pi
L16	TVI
L17	RF
L19	RF
L20	Trc
MF1	Mec
T1	1ST
T2	Ing
T3	Inf
T4	Out
T5	11P
T6	Xm:
T7	Xm:

FILTER

ITEM No.	CUF (Mec)
L18	9i

PARTS LIST AND DESCRIPTION (CONTINUED)

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

CAPACITORS (cont)

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.
C123	.01		CCD-103	DC-103	GP10000	MAG5011	255-S10
C124	.01		CCD-103	DC-103	GP10000	MAG5011	255-S10
C125	.01		CCD-103	DC-103	GP10000	MAG5011	255-S10
C126	.01		CCD-103	DC-103	GP10000	MAG5011	255-S10
C127	.01		CCD-103	DC-103	GP10000	MAG5011	255-S10
C128	.01		CCD-103	DC-103	GP10000	MAG5011	255-S10
C129b	.01		CCD-103	DC-103	GP10000	MAG5011	255-S10
C130a	27		CCTD-270				CND427 10TCC-Q27
C130b	.01		CCD-103	DC-103	GP10000	MAG5011	255-S10
C131	.01		CCD-103	DC-103	GP10000	MAG5011	255-S10
C132	.01		CCD-103	DC-103	GP10000	MAG5011	255-S10
C133	.01		CCD-103	DC-103	GP10000	MAG5011	255-S10
C135	.01		CCD-103	DC-103	GP10000	MAG5011	255-S10
C136	.01		CCD-103	DC-103	GP10000	MAG5011	255-S10
C138	.01		CCD-103	DC-103	GP10000	MAG5011	255-S10

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

ITEM No.	FUNCTION	RESISTANCE	REPLACEMENT DATA				
			MFR. PART No.	CENTRALAB PART No.	CLAROSTAT PART No.	MALLORY PART No.	TRW PART No.
R1	Volume/Switch	5000	RVR-D0086AFZZ				
R2	Squelch	10K	RVR-B0024AFZZ				
R34	"S" Meter	30K	RVR-M0004AFZZ	TSV-50K (2) or T-50K (2)	C-503 (2)	MTC54L1 (2)	X201R503B (2)
R74	AMC	30K	RVR-M0004AFZZ	TSV-50K (2) or T-50K (2)	C-503 (2)	MTC54L1 (2)	X201R503B (2)
R80	RF Power	30K	RVR-M0004AFZZ	TSV-50K (2) or T-50K (2)	C-503 (2)	MTC54L1 (2)	X201R503B (2)

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

COILS (RF-IF)

ITEM No.	FUNCTION	REPLACEMENT DATA			REMARKS
		PART No.	OTHER IDENTIFICATION	MILLER PART No.	
L1	Rec. Ant. (27MHz)	RCILA0124AFL	A0124AF4715		
L2	Rec. RF (27MHz)	RCILR0076AFZZ	R0076AF4635		
L3	1ST IF (11MHz)	RCILR0098AFZZ			
L4	23MHz Osc	RCILB0252AFZZ			
L5	38MHz Osc	RCIL0099AFZZ			
L6	38MHz Osc	RCILO100AFZZ			
L7	38MHz Osc	RCILO101AFZZ			
L8	14MHz Osc	RCILB0253AFZZ			
L9	Synthesizer (27MHz)	RCILR0102AFZZ			
L10	Synthesizer (27MHz)	RCILR0102AFZZ			
L11	Synthesizer (27MHz)	RCILR0102AFZZ			
L12	Synthesizer (27MHz)	RCILR0103AFZZ			
L13	RF Choke	RCILC0011AFZZ			
L14	Final Tank (27MHz)	RCILR0188AFZZ			
L15	Pi Network (27MHz)	RCILR0189AFZZ			
L16	TVI Filter (54MHz)	RCILR0180AFZZ			
L17	RF Choke (27uH)	RCILC0024AFZZ	74F275A1		
L19	RF Choke	RCILC0023AFZZ			
L20	Trap	RCILR0180AFZZ			
MF1	Mechanical Filter (455kHz)	RFILA0004AFZZ			
T1	1ST IF (11MHz)	RCILA0124AFL			
T2	Input IF (455kHz)	RCIL10088AFZZ			
T3	Interstage IF (455kHz)	RCIL10095AFZZ			
T4	Output IF (455kHz)	RCIL10096AFZZ			
T5	11MHz Osc	RCILB0030AFZZ			
T6	Xmit Buffer (27MHz)	RCILB0221AFZZ			
T7	Xmit Driver (27MHz)				

FILTER CHOKE

ITEM No.	RATINGS			REPLACEMENT DATA				NOTES
	CURRENT (Measured)	DC RES.	INDUCTANCE (O CURRENT 1000~)	MFR. PART No.	STANCOR PART No.	THORDARSON PART No.	TRIAD PART No.	
L18	900mA	4	4.6mH	RTRNC0003AFZZ (9T-735)				

PARTS LIST AND DESCRIPTION (CONTINUED)

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

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.	
T8	2.7	1		RTRN10037AFZZ (6T-816)				

TRANSFORMER (Audio Output)

ITEM No.	IMPEDANCE		REPLACEMENT DATA				NOTES
	PRI.	SEC.	MFGR. PART No.	STANCOR PART No.	THORDARSON PART No.	TRIAD PART No.	
T9	92	8	RTRNS0855AFZZ (7T-855)				

SPEAKER

ITEM No.	TYPE			REPLACEMENT DATA		NOTES
				MFGR. PART No.	QUAM PART No.	
SP-1	3"	PH	8 ohms	VSP0080P-398A	30A05Z8	

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	2.3A Quick Acting		QFSHJ1005AFZZ	AGC2	HDJ	312002	150145	FG2-2

MISCELLANEOUS

ITEM No.	PART NAME	PART No.	NOTES
ME1	Meter	RNTRE0013AFZZ	Ch. Sel. CB-PA ANL 14.950MHz 14.960MHz 14.970MHz 14.990MHz 23.290MHz 23.340MHz 23.390MHz 23.440MHz 23.490MHz 23.540MHz 11.275 (Transmitter) 11.730 (Receiver)
RY1	Relay	RRLYZ0005AFZZ	
SW2	Switch	QSW-R0041AFZZ	
SW3	Switch	QSW-P0039AFSA	
SW6	Switch	QSW-S0082AFZZ	
	Crystals	RCRSB0005AFZZ	
	Crystals	RCRSB0006AFZZ	
	Crystals	RCRSB0007AFZZ	
	Crystals	RCRSB0008AFZZ	
	Crystals	RCRSB0009AFZZ	
	Crystals	RCRSB0010AFZZ	
	Crystals	RCRSB0011AFZZ	
	Crystals	RCRSB0012AFZZ	
	Crystals	RCRSB0013AFZZ	
	Crystals	RCRSB0014AFZZ	
	Crystals	RCRSB0015AFZZ	
	Crystals	RCRSB0016AFZZ	
M1	Component Combination	RMPTA0037AFZZ	

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

ITEM	PART No.	ITEM	PART No.
Cabinet, Main	GCAB-0353AFSA	Car Bracket	JHNDM1026AFFC
Cabinet, Front	GWAKP1013AFSB	Knob, Control	JKNBNO193AFSA
Chassis, Main	LCHSM0033AFFW	Knob, Channel Selector	JKNBNO21RAFSA
Microphone Hanger	PHAG-8001AFFC		

ACCESSORIES

ITEM	MFGR. PART No.	REMARKS
Microphone	RMIC00010AFZZ	