



PHOTOFACT[®] with

CIRCUITRACE[®]

For Supplier Address See PHOTOFACT Index

NOTE

Repair or adjustment of transmitter circuits must be under supervision of a person with first-or second-class radiotelephone license.

(Refer to FCC Rules and Regulations Part 95, Subpart 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.



CRAIG MODEL 4103

MODEL 4103

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

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Printed in U. S. of America

6CY379

ALIGNMENT INSTRUCTIONS

SUGGESTED ALIGNMENT TOOLS: GC ELECTRONICS:
 T103 thru T105.....5000, 8290
 ALL other tunable coils and transformers.....9440

SYNTHESIZER

INDICATOR	CHANNEL	ADJUST	FREQUENCY	REMARKS
Input of Frequency Counter & RF VTVM to TP102, common to ground.	13	L103	37.750MHz	Adjust for maximum on frequency.
	13	R151	10.140MHz	Set delta tune to mid range. Adjust for frequency. Check for <u>+1000Hz</u> .

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.
 Set generator output low enough to prevent AGC limiting.

SIGNAL GENERATOR	GEN FREQ	CHANNEL	ADJUST	REMARKS
High side thru .01uF to base of Q104, low side to ground.	455kHz, 1000Hz @ 30% modulation.	Any	T103, T104, T105	Adjust for maximum.
High side thru .01uF to antenna jack, low side to ground.	27.115MHz, 1000Hz @ 30% modulation.	13	L101, L102, T101, T102	Adjust for maximum.

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
SQUELCH RANGE High side thru .01uF to antenna jack, low side to ground.	27.115MHz, 1000Hz @ 30% modulation, output 300uV.	13	R156	Set squelch control fully clockwise. Adjust R156 so that squelch just breaks.
S METER High side thru .01uF to antenna jack, low side to ground.	27.115MHz, 1000Hz @ 30% modulation, output 100uV.	13	R137	Adjust for 9 on S meter.
NOISE BLANKER Input of VTVM to drain of Q103, common to ground.			R117	Adjust for 3.00V.

TRANSMITTER

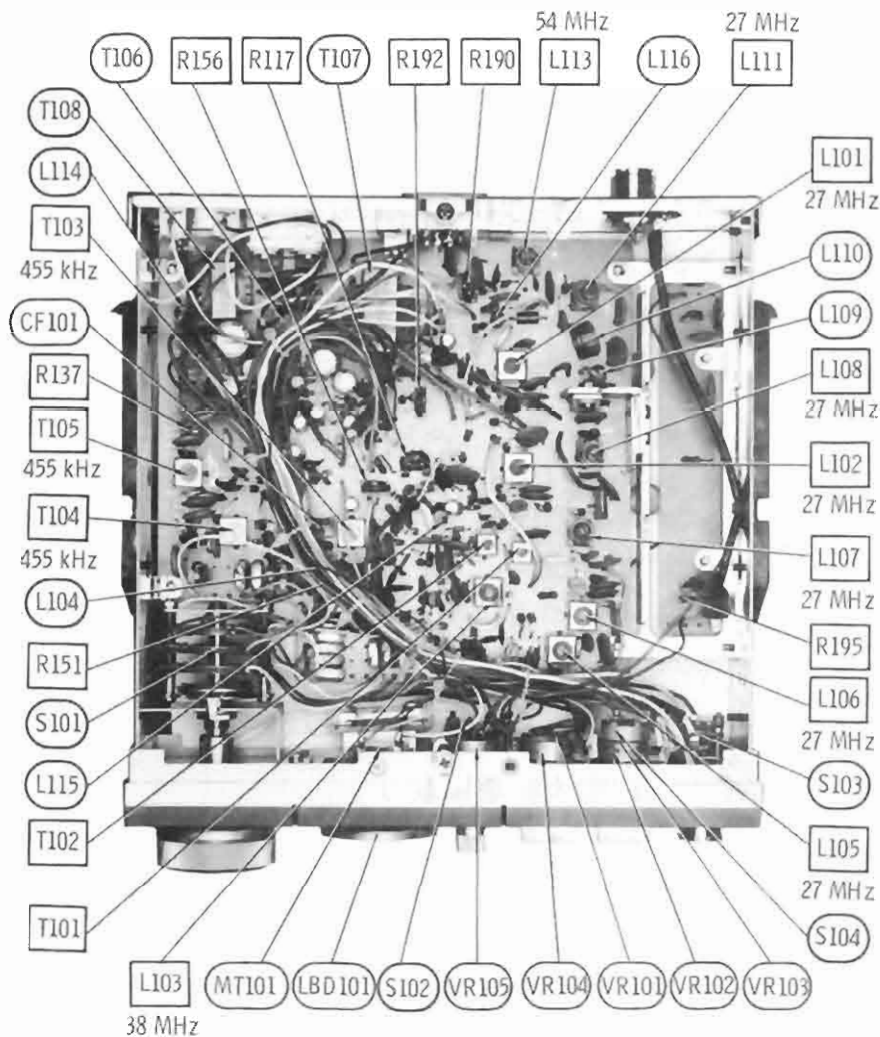
Connect an RF Wattmeter or 50-ohm, 25-watt dummy load to antenna connector.
 Adjustments made with 14-volt DC input.

INDICATOR	ADJUST	REMARKS
MIXER, BUFFER, DRIVER, FINAL Input of RF Wattmeter to antenna jack, common to ground.	L105, L106, L107, L108, L110, L111	Channel selector to Ch. 13. Key transmitter. Adjust for maximum.
OUTPUT POWER Input of RF Wattmeter to antenna jack, common to ground.	L110	Key transmitter. Adjust for 4 watts output.
TVI TRAP TV (Ch 2)	L113	Key transmitter. Adjust for MINIMUM interference on TV.

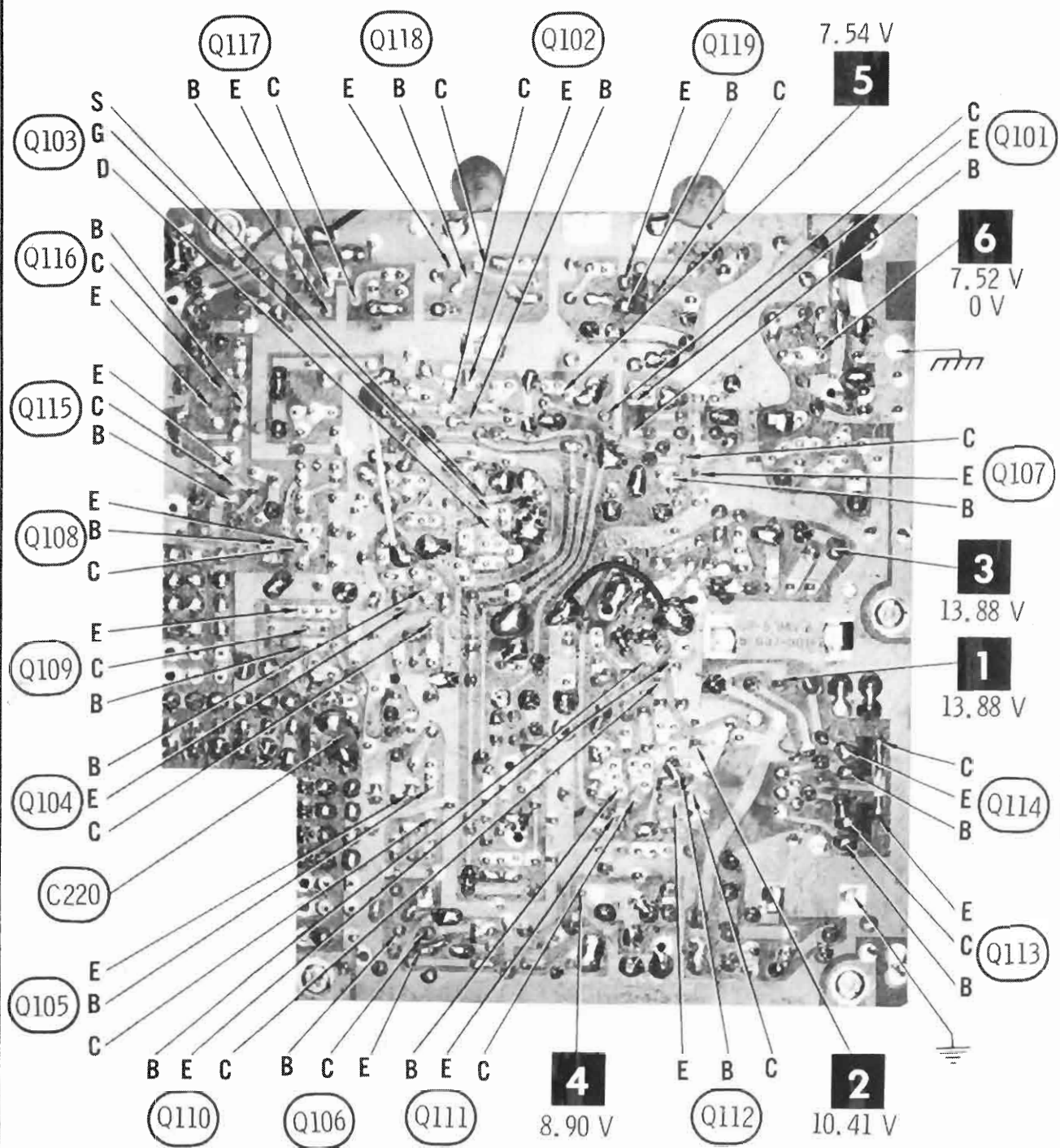
TRANSMITTER ADJUSTMENTS

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

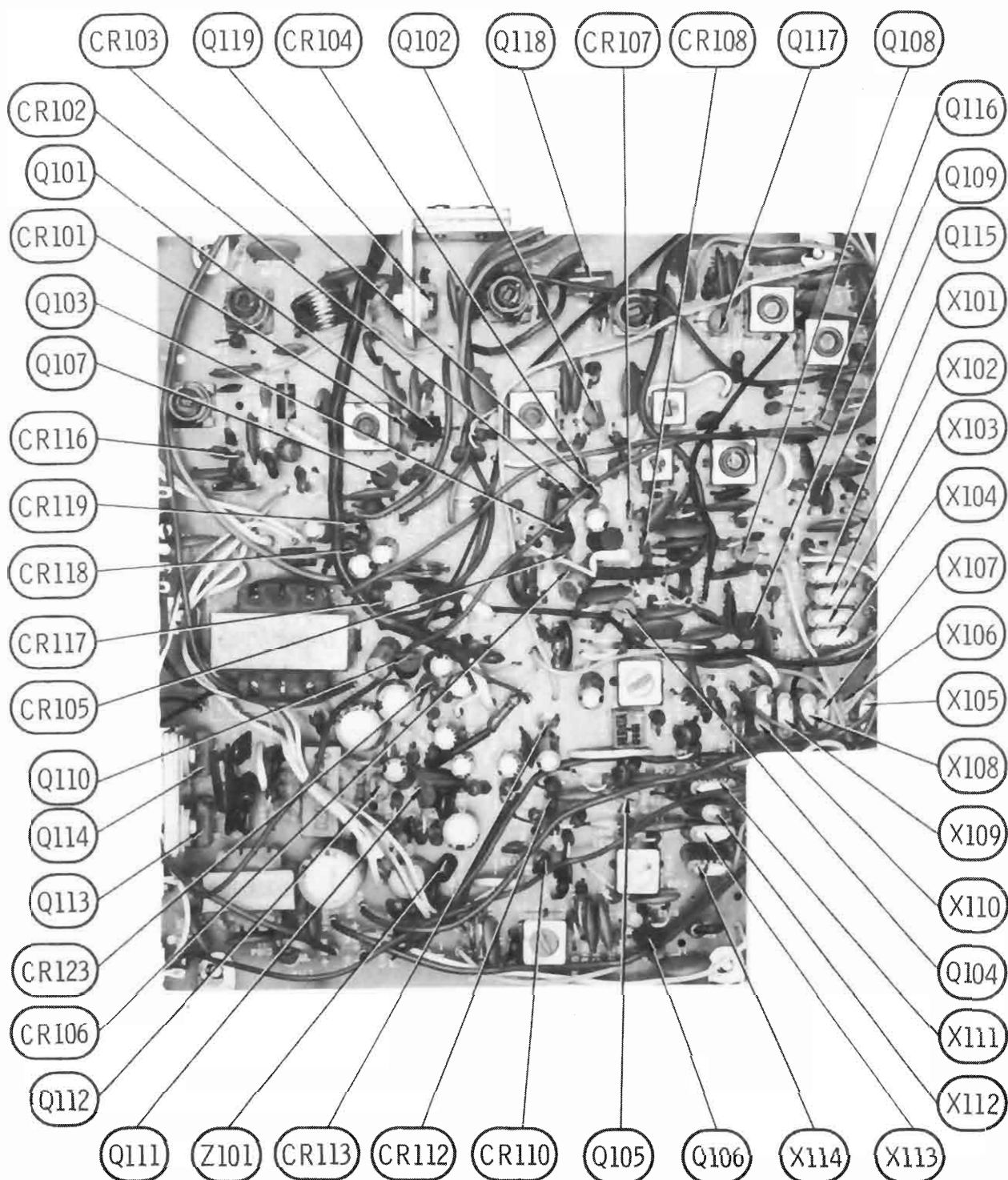
INDICATOR	ADJUST	REMARKS
AMC Input of Modulation Meter to antenna jack, common to ground.	R192	Disable AMC. Inject a 1000Hz audio signal at mic input. Key transmitter. Adjust generator for over modulation. Restore AMC. Adjust R192 for 100% modulation maximum.
RF PANEL METER Input of RF Wattmeter to antenna jack, common to ground.	R190	Key transmitter. Adjust so that panel RF meter agrees with RF wattmeter.
SWR CALIBRATE	R195	Short the antenna jack with a 150 ohm non-inductive 5 watt resistor. Key transmitter. Adjust for 3 on SWR scale.



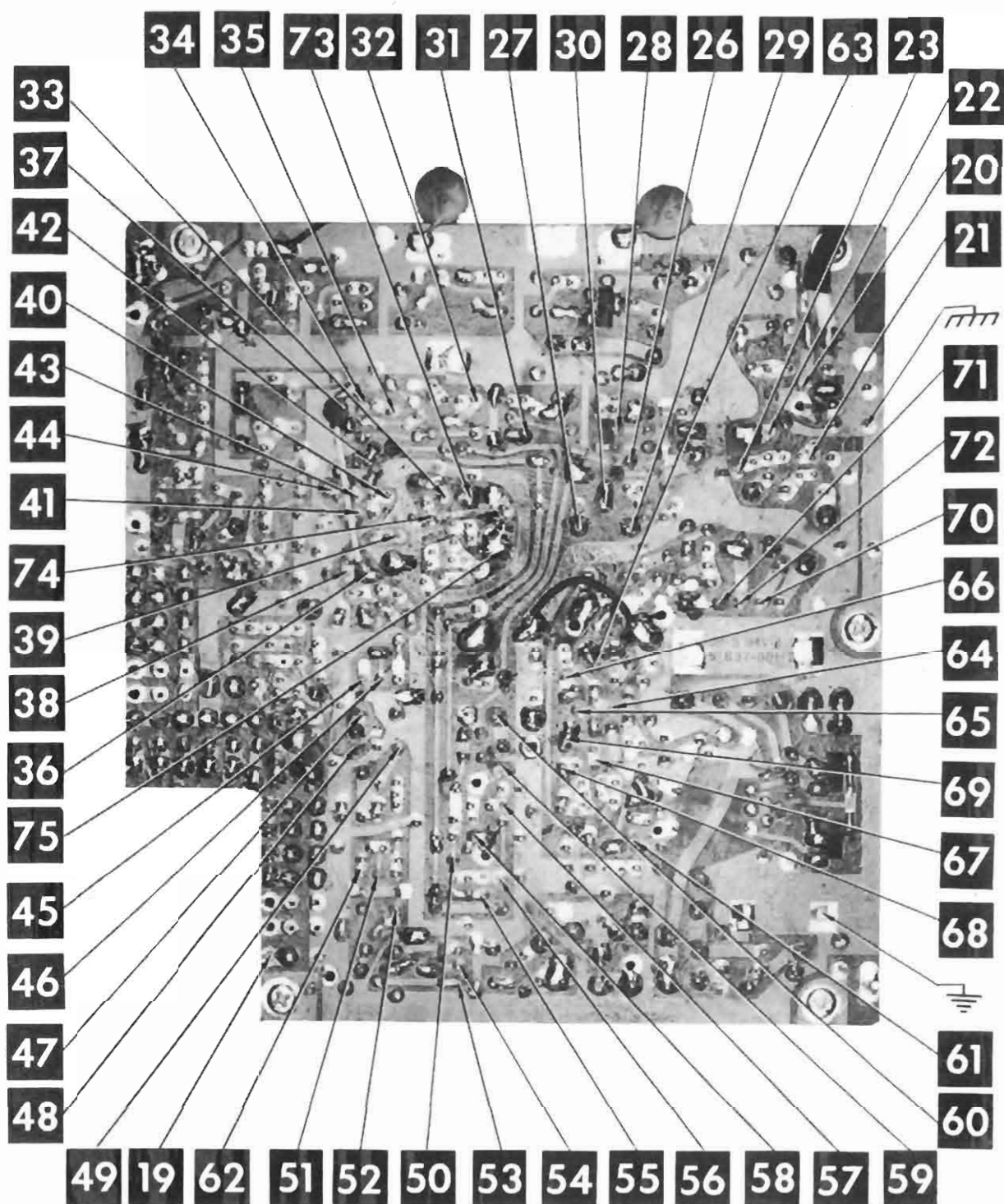
CHASSIS-BOTTOM



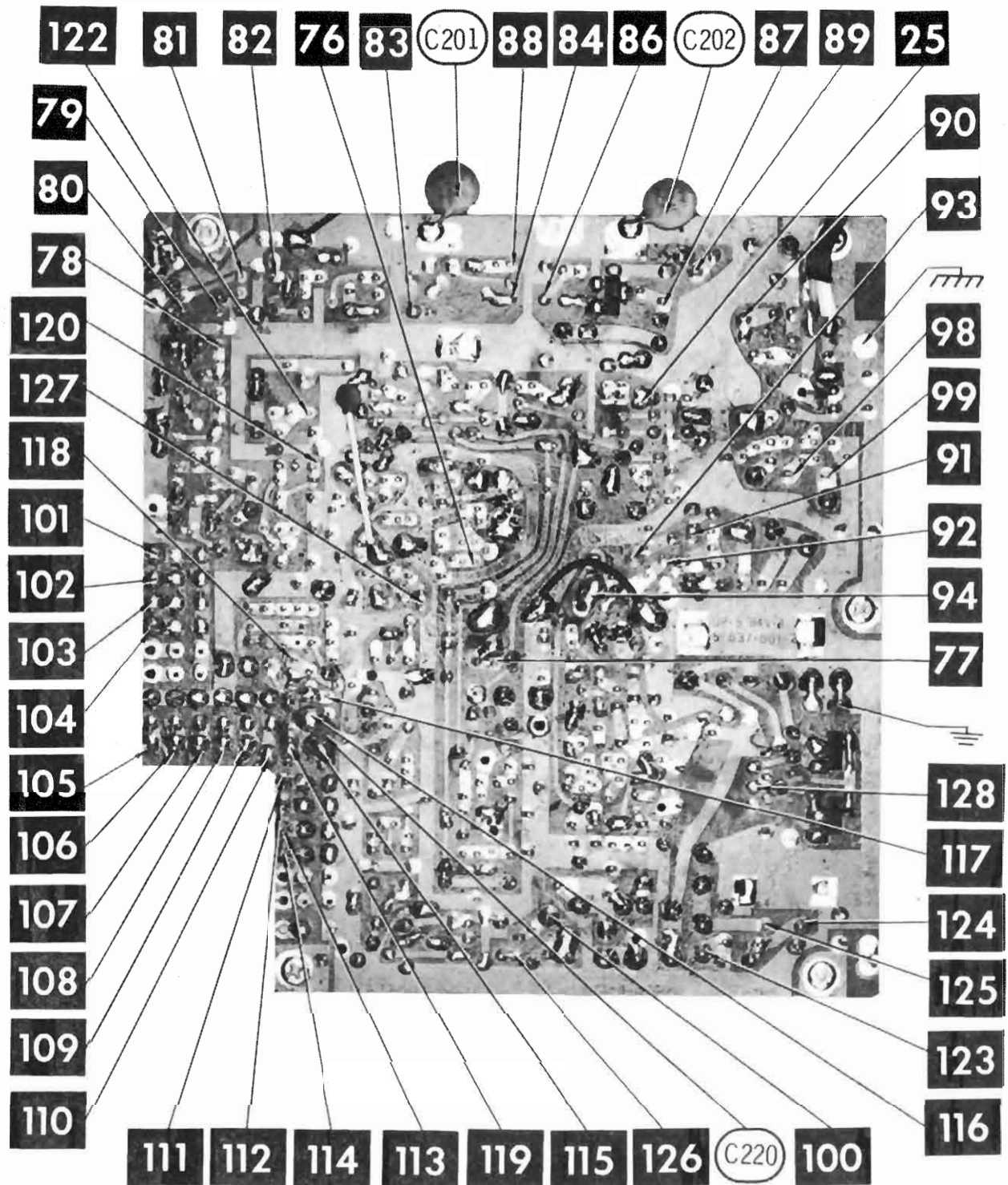
MAIN BOARD



MAIN BOARD

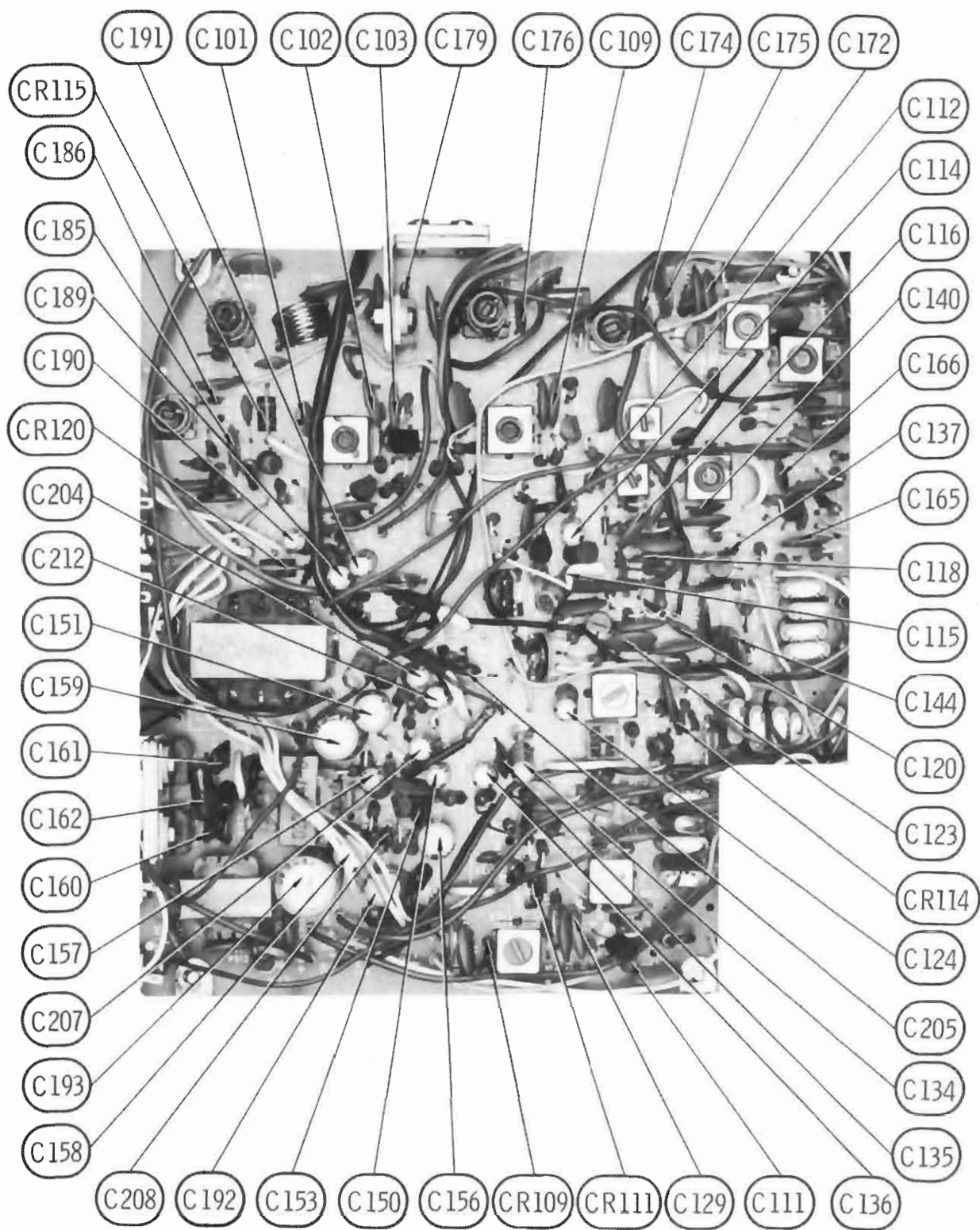


MAIN BOARD

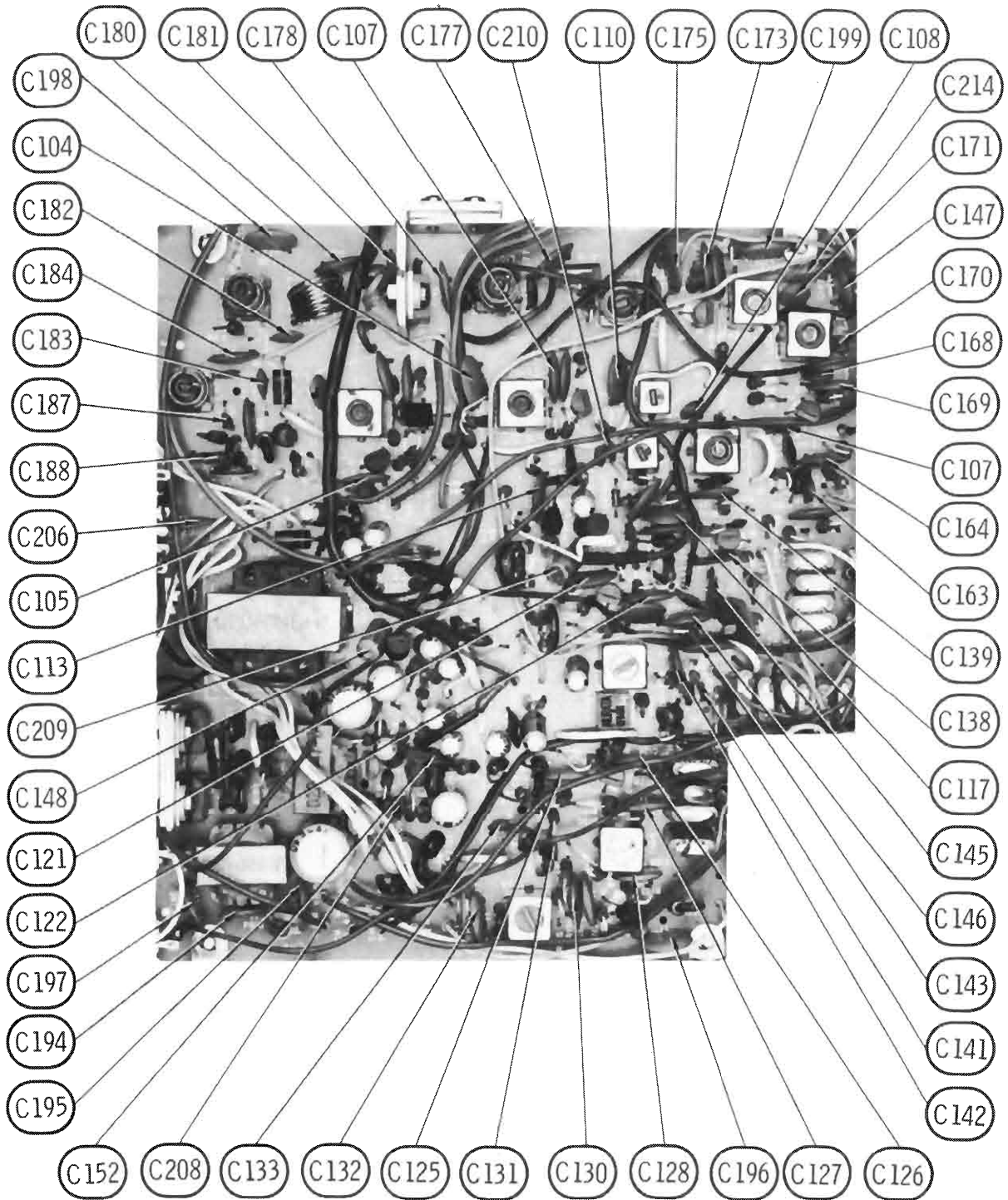


CRAIG MODEL 4103

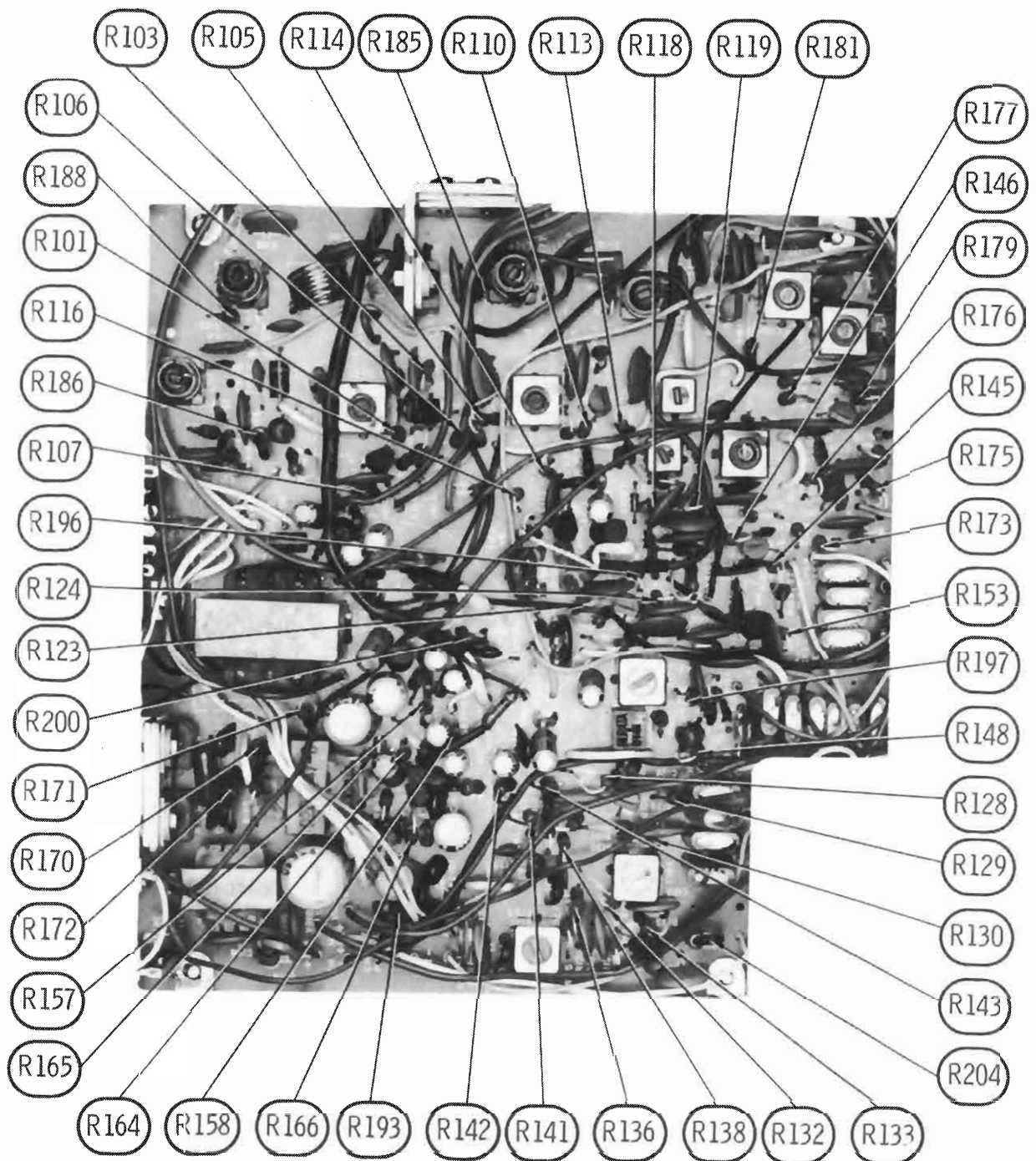
MAIN BOARD



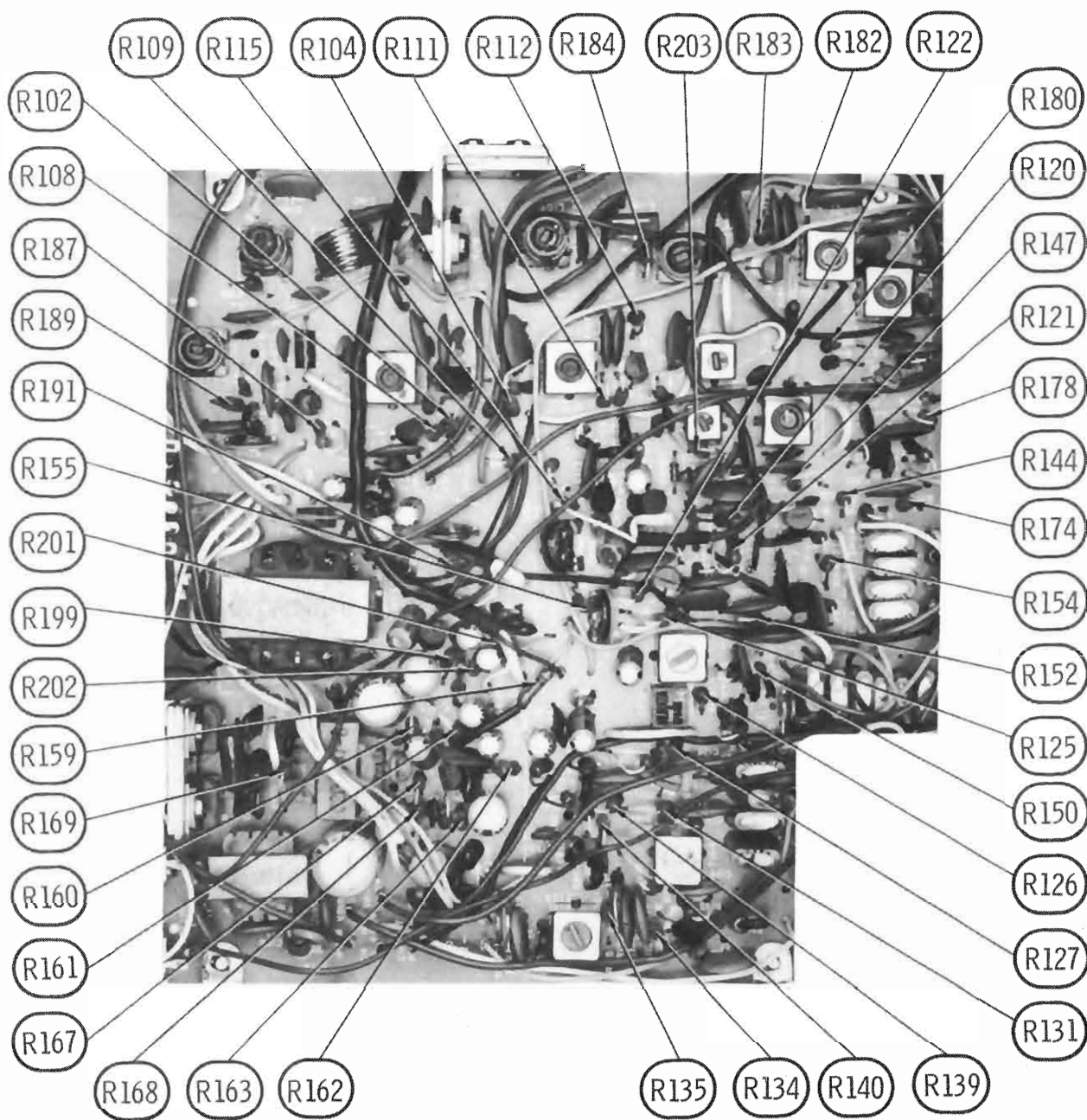
MAIN BOARD



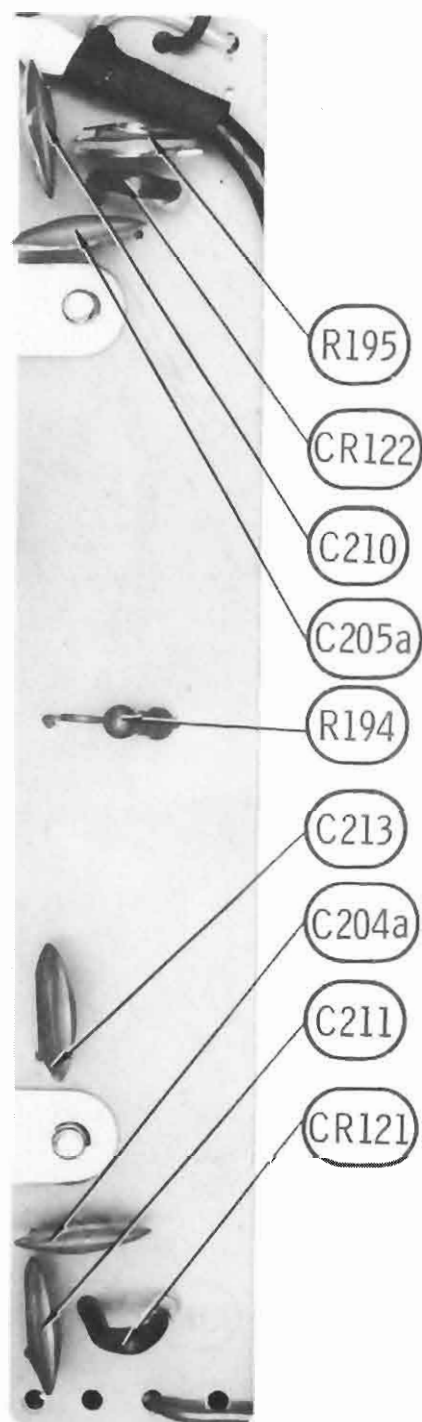
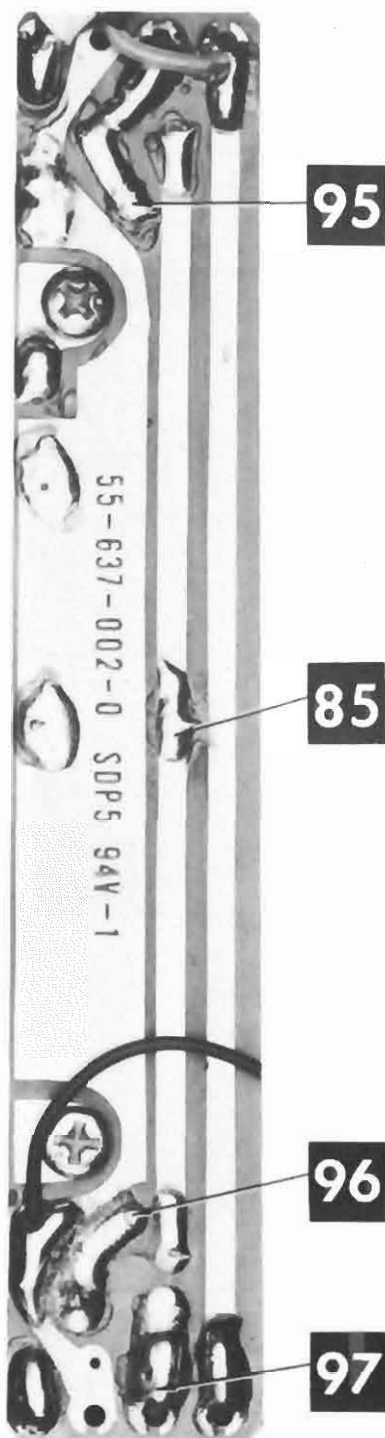
MAIN BOARD



MAIN BOARD



MAIN BOARD



SWR BOARD

PARTS LIST AND DESCRIPTION

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

SEMICONDUCTORS (Select replacement transistor for best results)

ITEM No.	TYPE No.	MFR. PART No.	REPLACEMENT DATA							
			GENERAL ELECTRIC PART No.	IR WORKMAN PART No.	MALLORY PART No.	MOTOROLA PART No.	RAYTHEON PART No.	RCA PART No.	SPRAGUE PART No.	SYLVANIA PART No.
CR101	1S1588	4104009	GE-300	D200	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177
CR102	1N60		1N60	1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109
CR103	1S1588		GE-300	D200	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177
CR104	1N60		1N60	1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109
CR105	1S1588		GE-300	D200	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177
CR106	1S1588		GE-300	D200	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177
CR107	1S1588		GE-300	D200	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177
CR108	1S1588		GE-300	D200	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177
CR109	1N60		1N60	1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109
CR110	1N60		1N60	1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109
CR111	1N60		1N60	1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109
CR112	1N60		1N60	1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109
CR113	1S1588		GE-300	D200	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177
CR114	1S2687		GE-90	D201		HEPR2503	RE 195	SK3126	RT-262	
CR115	S18-01-02		GE-504A	5A4D	PTC201	HEPR0052	RE 49	SK3030	RT-213	ECG116
CR116	1N60		1N60	1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109
CR117	1N60		1N60	1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109
CR118	1N60		1N60	1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109
CR119	1N60		1N60	1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109
CR120	S18-01-02		GE-504A	5A4D	PTC201	HEPR0052	RE 49	SK3030	RT-213	ECG116
CR121	1N60		1N60	1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109
CR122	1N60		1N60	1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109
CR123	1S1588		GE-300	D200	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177
LED101										
Q101	ZSC710C	(10) (1)(11) (10) (1)(11) (12) (13)	GE-211	(IR)2SC710	PTC115	HEPS0016	RE 13	SK3018	RT-105	ECG123A
Q102	ZSC710C		GE-211	(IR)2SC710	PTC115	HEPS0016	RE 13	SK3018	RT-105	ECG123A
Q103	2SK68A		GE-FET-1	FE-100	PTC151	HEPF0010	RE 46	SK3112	RT-176	ECG133
	2SK30A		GE-FET-1	FE-100	PTC151	HEPF0010	RE 46	SK3112	RT-176	ECG133
Q104	ZSC710C		GE-211	(IR)2SC710	PTC115	HEPS0016	RE 13	SK3018	RT-105	ECG123A
Q105	ZSC710C		GE-211	(IR)2SC710	PTC115	HEPS0016	RE 13	SK3018	RT-105	ECG123A
Q106	ZSC710C		GE-211	(IR)2SC710	PTC115	HEPS0016	RE 13	SK3018	RT-105	ECG123A
Q107	ZSC710D		GE-211	(IR)2SC710	PTC115	HEPS0016	RE 13	SK3018	RT-105	ECG123A
Q108	ZSC710D		GE-211	(IR)2SC710	PTC115	HEPS0016	RE 13	SK3018	RT-105	ECG123A
Q109	ZSC710D		GE-211	(IR)2SC710	PTC115	HEPS0016	RE 13	SK3018	RT-105	ECG123A
Q110	ZSC710D		GE-211	(IR)2SC710	PTC115	HEPS0016	RE 13	SK3018	RT-105	ECG123A
Q111	ZSC710D		GE-211	(IR)2SC710	PTC115	HEPS0016	RE 13	SK3018	RT-105	ECG123A
Q112	ZSC710D		GE-211	(IR)2SC710	PTC115	HEPS0016	RE 13	SK3018	RT-105	ECG123A
Q113	ZSC1096K		GE-28	TR-55	PTC110	HEPS5027	RE 42	SK3192	RT-197	ECG186A
	ZSC1173						RE 204			
Q114	ZSC1096K		GE-28	TR-55	PTC110	HEPS5027	RE 42	SK3192	RT-197	ECG186A
	ZSC1173									
Q115	ZSC710D		GE-211	(IR)2SC710	PTC115	HEPS0016	RE 13	SK3018	RT-105	ECG123A
Q116	ZSC710C		GE-211	(IR)2SC710	PTC115	HEPS0016	RE 13	SK3018	RT-105	ECG123A
Q117	ZSC710C		GE-211	(IR)2SC710	PTC115	HEPS0016	RE 13	SK3018	RT-105	ECG123A
Q118	ZSC1728									ECG302
Q119	ZSC1816		GE-216		PTC186		RE 203	SK3197		ECG235
Z101	EQB01-09S		GEZD-9.1	Z1209	ZB9.1A	HEPZ0412	RE 114	SK3060	RT-240	ECG139
	WZ090		GEZD-9.1		ZB9.1B				RT-240	ECG139

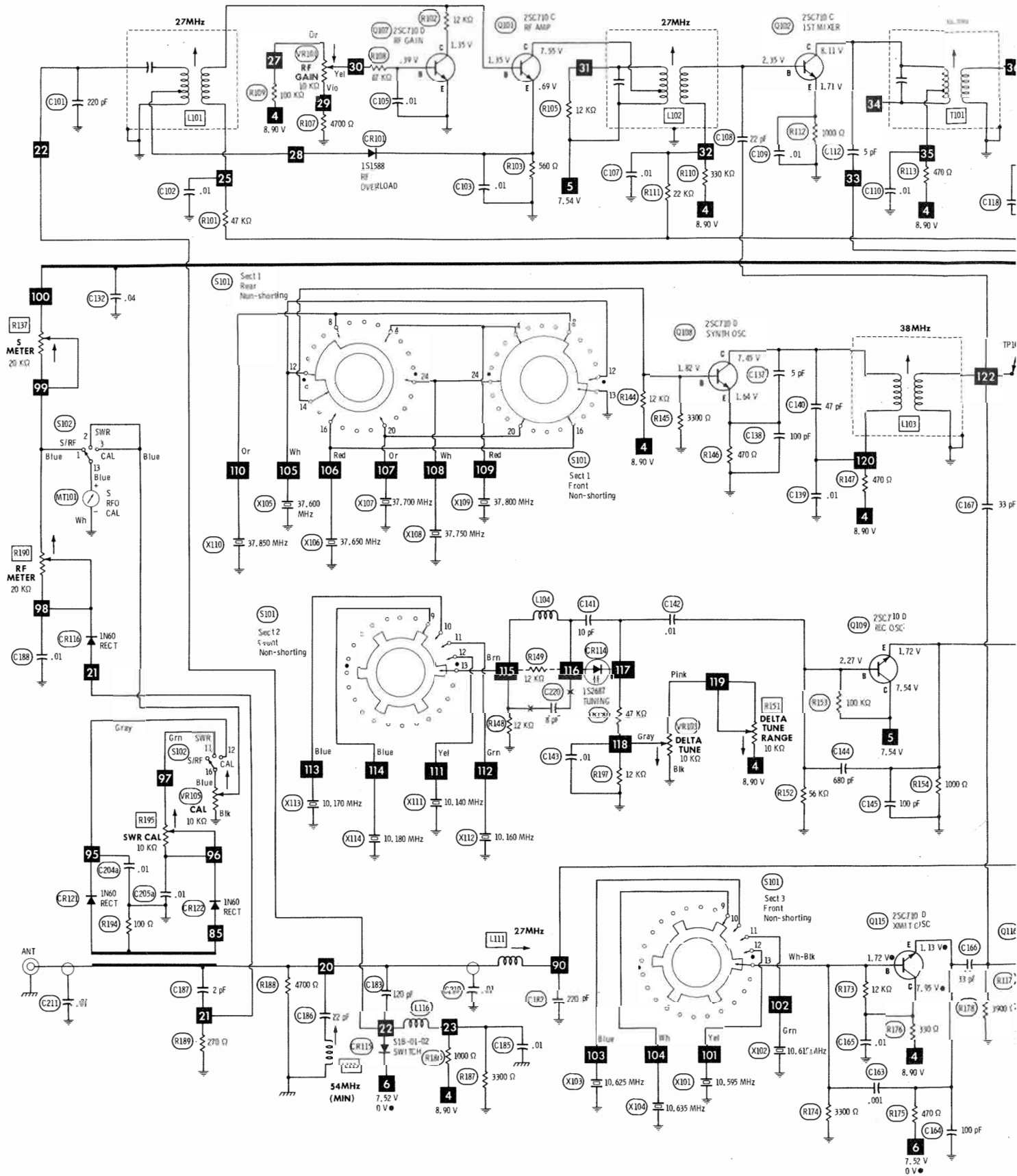
- (1) Used in some versions. (12) Rating, 950mw @ 500 mA.
 (10) Rating, 10 watt @ 2.0 amp. (13) Rating, 16 watt @ 4.0 amp.
 (11) Rating, 10 watt @ 3.0 amp.

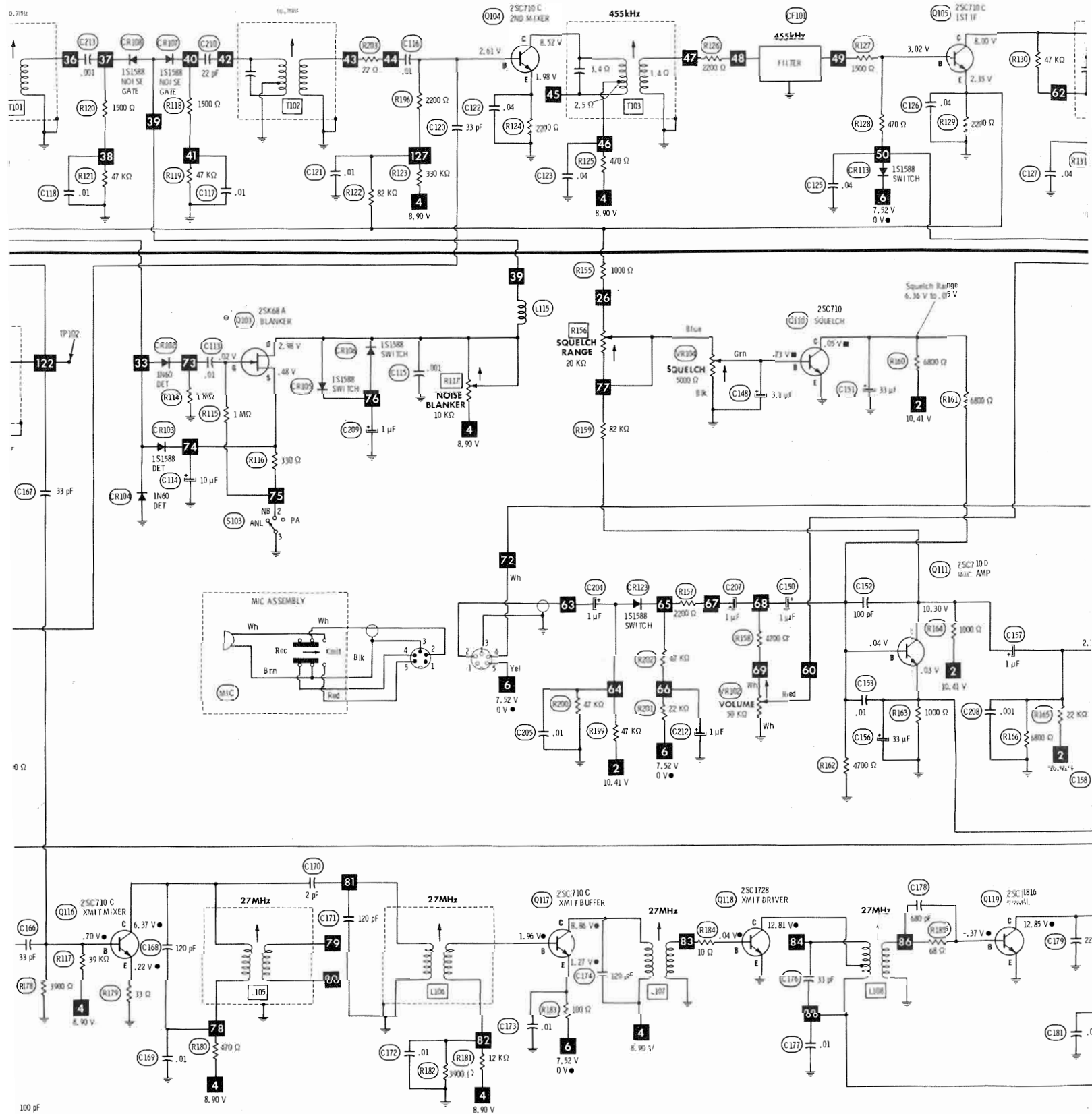
CRAIG MODEL 4103

ELECTROLYTIC CAPACITORS

ITEM No.	RATING	REPLACEMENT DATA			
		MFR. PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.
C114	10 16V		PC10-25	VTT10A25	EV-1222
C124	10 16V		PC10-25	VTT10A25	EV-1222
C134	1 50V		PC1-50	VTT1B63	EV-1615
C136	1 50V		PC1-50	VTT1B63	EV-1615
C148	3.3 25V		PC5-50	VTT3R3A50	EV-1318
C150	1 50V		PC1-50	VTT1B63	EV-1615
C151	33 25V		PC30-25	VTT33025	EV-1325
C156	33 25V		PC30-25	VTT33025	EV-1325
C157	1 50V		PC1-50	VTT1B63	EV-1615
C158	47 16V		PC50-10	VTT47A6	EV-1026
C159	100 16V		PC100-25	VTT100G25	EV-1330
C189	1 50V		PC1-50	VTT1B63	EV-1615
C190	1 50V		PC1-50	VTT1B63	EV-1615
C191	10 16V		PC10-25	VTT10A25	EV-1222
C192	47 16V		PC50-10	VTT47A6	EV-1026
C193	1000 16V		PC1000-16	VTT1000L16	EV-1260
C204	1 50V		PC1-50	VTT1B63	EV-1615
C207	1 50V		PC1-50	VTT1B63	EV-1615
C209	1 50V		PC1-50	VTT1B63	EV-1615
C212	1 50V		PC1-50	VTT1B63	EV-1615

(CONTINUED ON PAGE 22)





PARTS LIST AND DESCRIPTION (CONTINUED)

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

CAPACITORS

ITEM No.	RATING	MFR. PART No.	REPLACEMENT DATA			
			CENTRALAB PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.
C101	220		DD-221		GP322	10TS-T22
C102	.01		UK50-103		MAG5011	
C103	.01		UK50-103		MAG5011	
C104	.01		UK50-103		MAG5011	
C105	.01		UK50-103		MAG5011	
C107	.01		UK50-103		MAG5011	
C108	22 5% NPO		DTZ-22	NP022	CN0422	10TCC-Q22
C109	.01		UK50-103		MAG5011	
C110	.01		UK50-103		MAG5011	
C111	2 NPO		DTZ-2R2	NP02P2	CN0522	10TCC-V22
C112	5 NPO		DTZ-4R7	NP04P7	CN0547	10TCC-V47
C113	.01		UK50-103		MAG5011	
C115	.001		DD-102G	GP1000	GP210	5GA-D10
C116	.01		UK50-103		MAG5011	
C117	.01		UK50-103		MAG5011	
C118	.01		UK50-103		MAG5011	
C120	33 5% NPO		DTZ-33	NP033	CN0433	10TCC-Q33
C121	.01		UK50-103		MAG5011	
C122	.04					
C123	.04					
C125	.04					
C126	.04					
C127	.04					
C128	.04					
C129	.04					
C130	.04					
C131	120		DTZ-120		CN0312	10TCC-T12
C132	.04					
C133	.001		DD-102G	GP1000	GP210	5GA-D10
C135	.01			WMF1S1	EWFA1A110	1PB-S10
C137	5 NPO		DTZ-4R7	NP04P7	CN0547	10TCC-V47
C138	100 5% NPO		DTZ-100	NP0100	CN0310	10TCC-T10
C139	.01		UK50-103		MAG5011	
C140	47 5% NPO		DTZ-47	NP047	CN0447	10TCC-Q47
C141	10 NPO		DTZ-10	NP010	CN0410	10TCC-Q10
C142	.01		UK50-103		MAG5011	
C143	.01		UK50-103		MAG5011	
C144	680		DD-681	GP680	GP368	10TS-T68
C145	100 5% NPO		DTZ-100	NP0100	CN0310	10TCC-T10
C146	.01		UK50-103		MAG5011	
C147	.01		UK50-103		MAG5011	
C152	100 5% NPO		DTZ-100	NP0100	CN0310	10TCC-T10
C153	.01			WMF1S1	EWFA1A110	1PB-S10
C160	.01			WMF1S1	EWFA1A110	1PB-S10
C161	.01			WMF1S1	EWFA1A110	1PB-S10
C162	.1 10%			WMF05P1	EWFO5010	431P1049R5
C163	.001		DD-102G	GP1000	GP210	5GA-D10
C164	100 5% NPO		DTZ-100	NP0100	CN0310	10TCC-T10
C165	.01		UK50-103		MAG5011	
C166	33 5% NPO		DTZ-33	NP033	CN0433	10TCC-Q33
C167	33 5% NPO		DTZ-33	NP033	CN0433	10TCC-Q33
C168	120		DTZ-120		CN0312	10TCC-T12
C169	.01		UK50-103		MAG5011	
C170	2 NPO		DTZ-2R2	NP02P2	CN0522	10TCC-V22
C171	120		DTZ-120		CN0312	10TCC-T12
C172	.01		UK50-103		MAG5011	
C173	.01		UK50-103		MAG5011	
C174	120		DTZ-120		CN0312	10TCC-T12
C175	.01		UK50-103		MAG5011	
C176	33 5% NPO		DTZ-33	NP033	CN0433	10TCC-Q33
C177	.01		UK50-103		MAG5011	
C178	680		DD-681	GP680	GP368	10TS-T68
C179	22 5% NPO		DTZ-22	NP022	CN0422	10TCC-Q22
C180	.01		UK50-103		MAG5011	
C181	.01		UK50-103		MAG5011	
C182	220		DD-221		GP322	10TS-T22
C183	120		DTZ-120		CN0312	10TCC-T12
C184	.01		UK50-103		MAG5011	
C185	.01		UK50-103		MAG5011	
C186	22 5% NPO		DTZ-22	NP022	CN0422	10TCC-Q22
C187	2 5% NPO		DTZ-Q22	NP02P2	CN0422	10TCC-V22
C188	.01		UK50-103		MAG5011	
C194	.04					
C195	.04					
C196	.04					
C197	.04					
C198	.04					
C199	.04					
C200	.001					
C204A	.01		UK50-103	DPMS6D1	EWFA210	1PB-D10
C205	.01		UK50-103		MAG5011	
C205A	.01		UK50-103		MAG5011	
C206	.01		UK50-103		MAG5011	
C208	.001		DD-102G	GP1000	GP210	5GA-D10
C210	22 5% NPO		DTZ-22	NP022	CN0422	10TCC-Q22
C211	.01		UK50-103		MAG5011	
C213	.01		UK50-103		MAG5011	
C220	8					

PARTS LI

(When ordering

CONTRC

ITEM No.	
R117	Nois
R137	S Me
R151	Delt
R156	Sque
R190	RF M
R192	Modu
R195	SWR I
VR101	RF G
VR102	Volur
VR103	Delt
VR104	Sque
VR105	Calib

(2) Cut off or

COILS (R

ITEM No.	
L101	Rec
L102	Rec I
L103	Synt
L104	RF C
L105	Xmit
L106	Xmit
L107	Buff
L108	Xmit
L109	RF C
L110	RF C
L111	Ant I
L113	TVI
L114	Pi F
L115	RF C
L116	RF C
T101	Rec I
T102	Rec I
T103	IF G
T104	IF G
T105	IF G

FILTER C

ITEM No.	CURR (Measur
T108	1.1A

TRANSFO

ITEM No.	PRI.
T106	1.5

TRANSFO

ITEM No.	IMP
T107	64

PARTS LIST AND DESCRIPTION (CONTINUED)

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

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.	MALLORY PART No.	TRW PART No.
R117	Noise Blanker	10K		T-10K (2)	C-103 (2)	MTC14L1 (2)	X201R103B (2)
R137	S Meter	20K		T-20K (2)	C-253 (2)	MTC24L1 (2)	X201R253B (2)
R151	Delta Range	10K		T-10K (2)	C-103 (2)	MTC14L1 (2)	X201R103B (2)
R156	Squelch Range	20K		T-20K (2)	C-253 (2)	MTC24L1 (2)	X201R253B (2)
R190	RF Meter	20K		T-20K (2)	C-253 (2)	MTC24L1 (2)	X201R253B (2)
R192	Modulation	20K		T-20K (2)	C-253 (2)	MTC24L1 (2)	X201R253B (2)
R195	SWR Range	10K		T-10K (2)	C-103 (2)	MTC14L1 (2)	X201R103B (2)
VR101	RF Gain	10K	4103042				
VR102	Volume/Power Switch	50K	4103040				
VR103	Delta Tune	10K	4103044				
VR104	Squelch	5000	4103043				
VR105	Calibrate	10K	4103041				

(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.	
L101	Rec Ant (27MHz)	4201056	482-0		
L102	Rec RF (27MHz)	4201057	483-0		
L103	Synth Osc (38MHz)	4201063			
L104	RF Choke (6.8uH)	4201055	8R2		
L105	Xmit Mixer (27MHz)	4201063			
L106	Xmit Mixer (27MHz)	4201063			
L107	Buffer (27MHz)	4201062			
L108	Xmit Driver (27MHz)	4201061			
L109	RF Filter	4201069			
L110	RF Choke	4201060			
L111	Ant Match (27MHz)	4201059			
L113	TVI Trap (54MHz)	4201059			
L114	Pi Filter	4201069			
L115	RF Choke (100uH)	4201065	101		
L116	RF Choke (8.2uH)	4201064	8R2		
T101	Rec Mixer	4201058	484		
T102	Rec Mixer	4201058	484		
T103	IF (455kHz)	4201066	496/5903		
T104	IF (455kHz)	4201067	497/59H7		
T105	IF (455kHz)	4201068	498/5NB3		

FILTER CHOKE

ITEM No.	RATINGS			REPLACEMENT DATA			NOTES
	CURRENT (Measured)	DC RES.	INDUCTANCE (0 CURRENT 1000~)	MFGR. PART No.	THORDARSON PART No.	TRIAD PART No.	
T108	1.1A	.2	1.6mH	4201054 050-024-0 (1)			(1) Number on unit.

TRANSFORMER (Driver)

ITEM No.	TURNS RATIO			REPLACEMENT DATA			NOTES
	PRI.	SEC. 1	SEC. 2	MFGR. PART No.	THORDARSON PART No.	TRIAD PART No.	
T106	1.5	1		4201053 020-047-0 (1)			(1) Number on unit.

TRANSFORMER (Audio Output)

ITEM No.	IMPEDANCE		REPLACEMENT DATA			NOTES
	PRI.	SEC.	MFGR. PART No.	THORDARSON PART No.	TRIAD PART No.	
T107	64	16	4201052 020-046-0 (1)			(1) Number on unit.

PARTS LIST AND DESCRIPTION (CONTINUED)

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

SPEAKER

ITEM No.	TYPE	REPLACEMENT DATA		NOTES
		MFGR. PART No.	QUAM PART No.	
SP	3 1/2" PM 8 ohms	4103030	3A05Z16	

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	
T101	2A Quick Acting		4103036 (Includes Fuse Harness Assy.)	AGC-2	HDJ	312002	150145	FG2-2	

MICROPHONE

ITEM No.	REPLACEMENT DATA				CONNECTION DATA							
	MFGR. PART No.	GC PART No.	GC NOISE CANCEL	GC POWER	GC CONNECTOR	GC Red	GC Shield	GC Yellow	GC Blue	GC White	GC Black	
MIC	4103005	18-032	18-034	18-010	18-099	2	3	5	4	NC	3	

CRYSTALS

ITEM No.	CRYSTAL FREQUENCY IN MHz	MFGR. PART No.	CTS KNIGHTS PART No.	CHANNEL	ITEM No.	CRYSTAL FREQUENCY IN MHz	MFGR. PART No.	CTS KNIGHTS PART No.	CHANNEL
X101	10.595	4103046	DB90W10.595	4,8,12,16,20,23	X108	37.750	4103053	DA14W37.750	13,14,15,16
X102	10.615	4103047	DB90W10.615	3,7,11,15,19	X109	37.800	4103054	DA14W37.800	17,18,19,20
X103	10.625	4103048	DB90W10.625	2,6,10,14,18,22	X110	37.850	4103055	DA14W37.850	21,22,23
X104	10.635	4103049	DB90W10.635	1,5,9,13,17,21	X111	10.140	4103056	DC90W10.140	4,8,12,16,20,23
X105	37.600	4103050	DA14W37.600	1,2,3,4	X112	10.160	4103057	DC90W10.160	3,7,11,15,19
X106	37.650	4103051	DA14W37.650	5,6,7,8	X113	10.170	4103058	DC90W10.170	2,6,10,14,18,22
X107	37.700	4103052	DA14W37.700	9,10,11,12	X114	10.180	4103059	DC90W10.180	1,5,9,13,17,21

MISCELLANEOUS

ITEM No.	PART NAME	PART No.	NOTES
CF101	Filter	4201050	Ceramic (455kHz) SWR/Rf Channel Selector CAL/SWR/S ANL/NB/PA Part of Volume Control
MT101	Meter	4203015	
S101	Switch	4103031	
S102	Switch	4103033	
S103	Switch	4103032	
S104	Switch		

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

ITEM	PART No.	ITEM	PART No.
Cabinet, Lower	4103017	Knob, Channel Selector	4103009
Cabinet, Upper	4103018	Knob, Calibrate	4103011
Rear Panel	4103016	Knob, Control	4101014
Front Escutcheon Assembly	4103014	Slide Mounting Bracket	C4933

WIRING DATA

General-use Hook-up Wire	Use BELDEN No. 8530 (Solid) Available in 12 Colors
Shielded Antenna Lead	8524 (Stranded) Available in 12 Colors
	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
Ignition Noise Suppression	8491 4-Conductor (2 shielded, 2 unshielded) Neoprene
Bonding Strap	Use BELDEN No. 7300-Series Spark-Plug Sets
	Use BELDEN No. 8661 (3/8 inch)