



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.



REALISTIC MODEL TRC-68

MODEL TRC-68 (21-168)
(MINI-23C)

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

© 1976 Howard W. Sams & Co., Inc. Printed in U. S. of America 6CY397

ALIGNMENT INSTRUCTIONS

CAUTION: Use isolation transformer or observe polarity when connecting test equipment.
 Maintain line voltage at 120V AC. Allow a 15-minute warm-up period.
 Adjustments made with 14-volt DC input.
 Connect low sides of test equipment to ground unless specified otherwise.
 Connect 50-ohm dummy load or antenna before keying transmitter.
 Suggested Alignment Tools: GC ELECTRONICS
 T3, T4, T5 8728
 T1, T2, T6, T8 thru T15 9440

SYNTHESIZER ALIGNMENT

TEST EQUIPMENT	TRANSCEIVER	ADJUST	REMARKS
Inputs of frequency counter and RF VTVM to T6 secondary.	Ch. 13	T6	Adjust for 37.750MHz at maximum output.
Input of frequency counter to T6 secondary.	Ch. 17 Ch. 21 Ch. 1 Ch. 5 Ch. 9		Check for 37.800MHz. Check for 37.850MHz. Check for 37.600MHz. Check for 37.650MHz. Check for 37.700MHz.
Input of frequency counter to IC1, pin 7.	Ch. 13 Ch. 14 Ch. 15 Ch. 16		Check for 10.180MHz. Check for 10.170MHz. Check for 10.160MHz. Check for 10.140MHz.
Inputs of frequency counter and RF VTVM to Q11 emitter.	Ch. 13, XMIT	T8	Adjust for 10.635MHz at maximum output.
Input of frequency counter to Q11 emitter.	Ch. 14, XMIT Ch. 15, XMIT Ch. 16, XMIT		Check for 10.625MHz. Check for 10.615MHz. Check for 10.595MHz.

RECEIVER ALIGNMENT

Connect an AC VTVM or AF wattmeter across speaker voice coil.
 Adjust volume control to obtain a suitable indication.
 Set generator output low enough to prevent AGC limiting.

TEST EQUIPMENT	TRANSCEIVER	ADJUST	REMARKS
Output of signal generator thru .01uF to Q3 base. 455kHz, 1000Hz @ 30% modulation.	Ch. 13	T5, T4, T3	Adjust for maximum output.
Output of signal generator thru .01uF to antenna jack. 27.115MHz, 1000Hz @ 30% modulation.	Ch. 13	T2, T1	Adjust for maximum output. Repeat above steps, if necessary.

RECEIVER ADJUSTMENTS

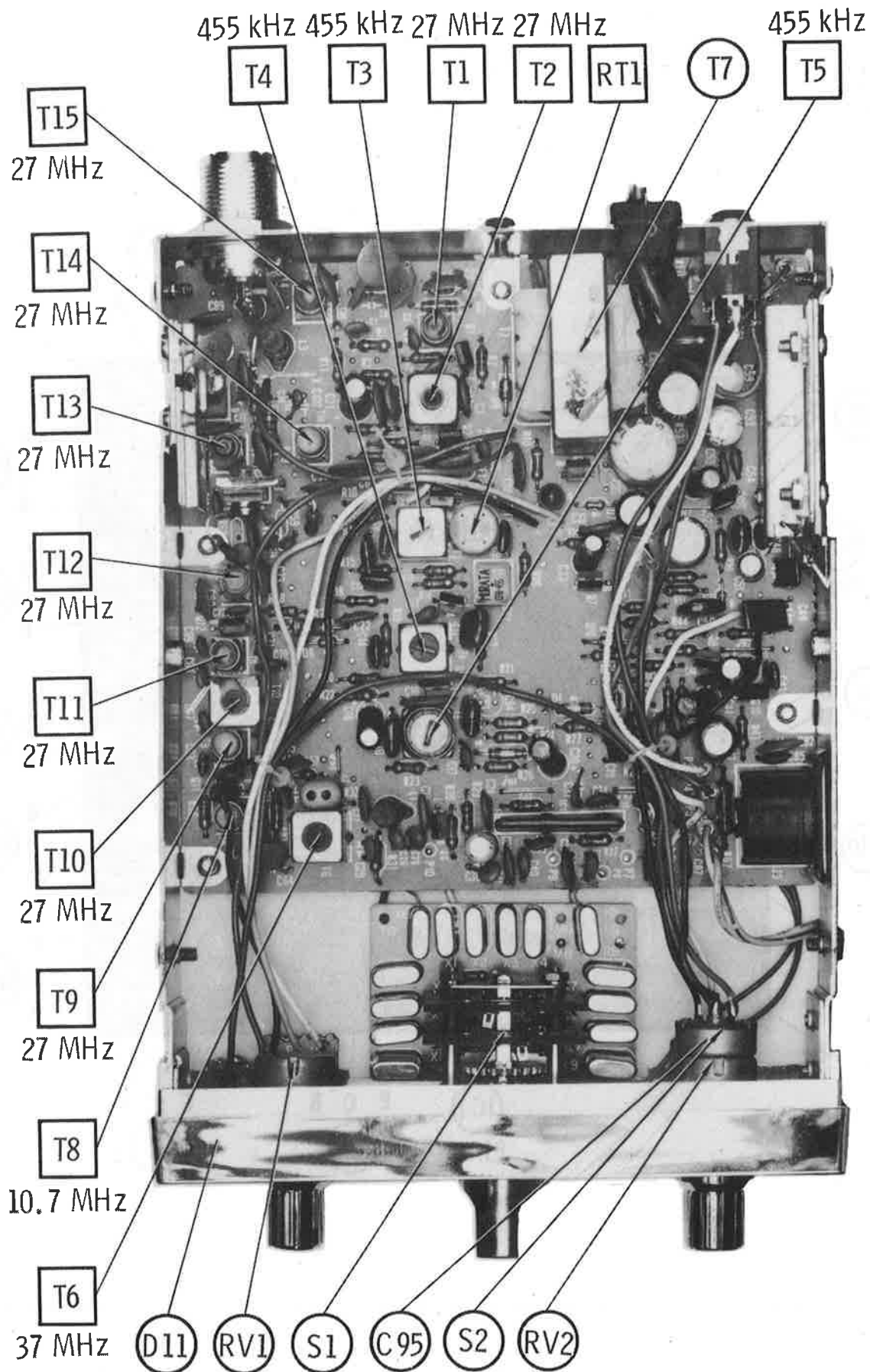
Connect an AC VTVM or AF wattmeter across speaker voice coil.
 Adjust volume control to obtain a suitable indication.

TEST EQUIPMENT	TRANSCEIVER	ADJUST	REMARKS
Output of signal generator thru .01uF to antenna jack. 27.115MHz, 1000Hz @ 30% modulation. Output 0.2uV.	Ch. 13. Squelch (RV1) fully counterclockwise. Volume (RV2) fully clockwise.	RT1	IF GAIN Adjust RT1 for 2.0 volts.

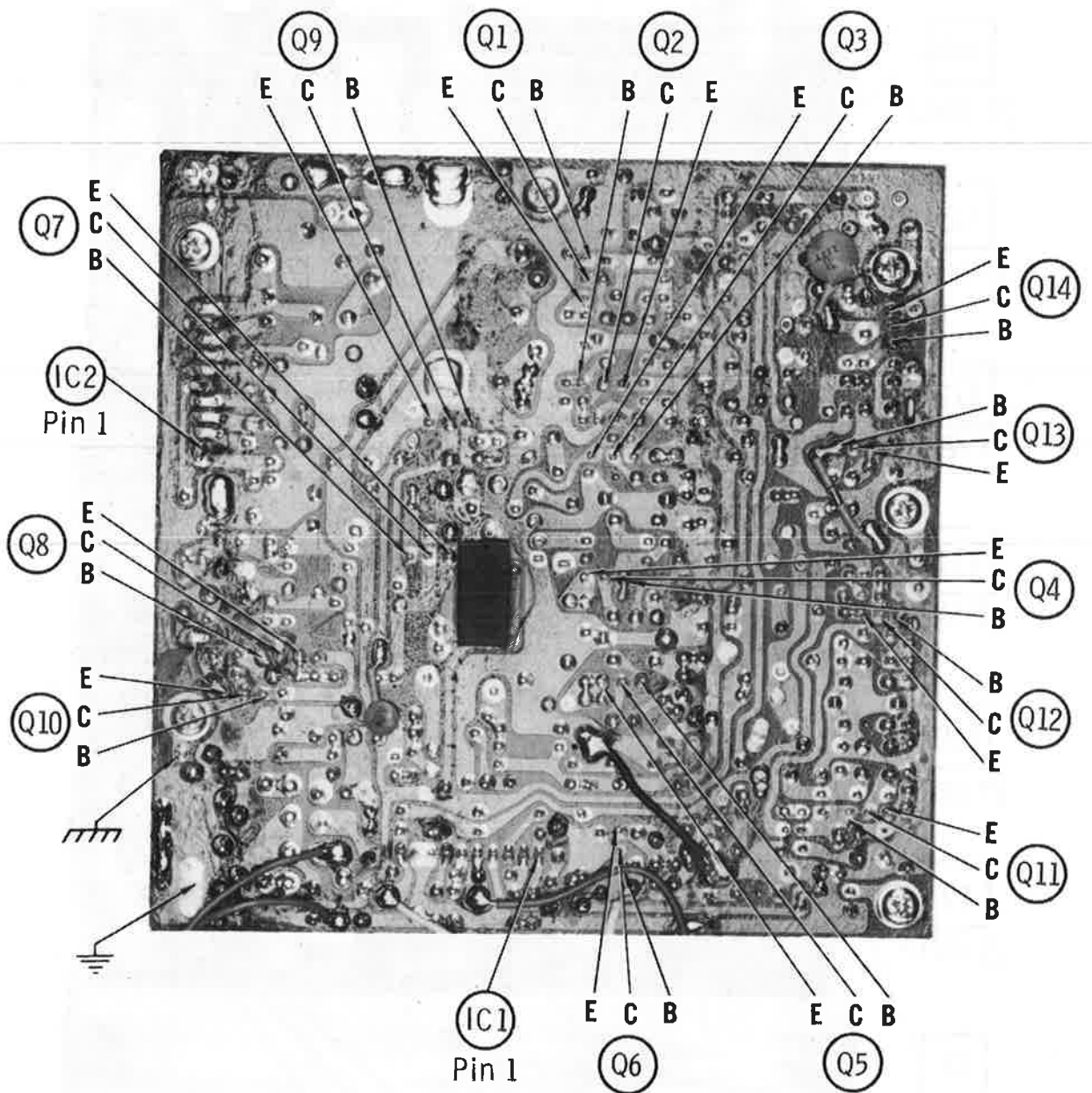
TRANSMITTER ALIGNMENT

Connect an RF wattmeter and 50-ohm, 25-watt dummy load to antenna connector.
 Be sure to check transmit frequency and power on all active channels after alignment of transmitter.

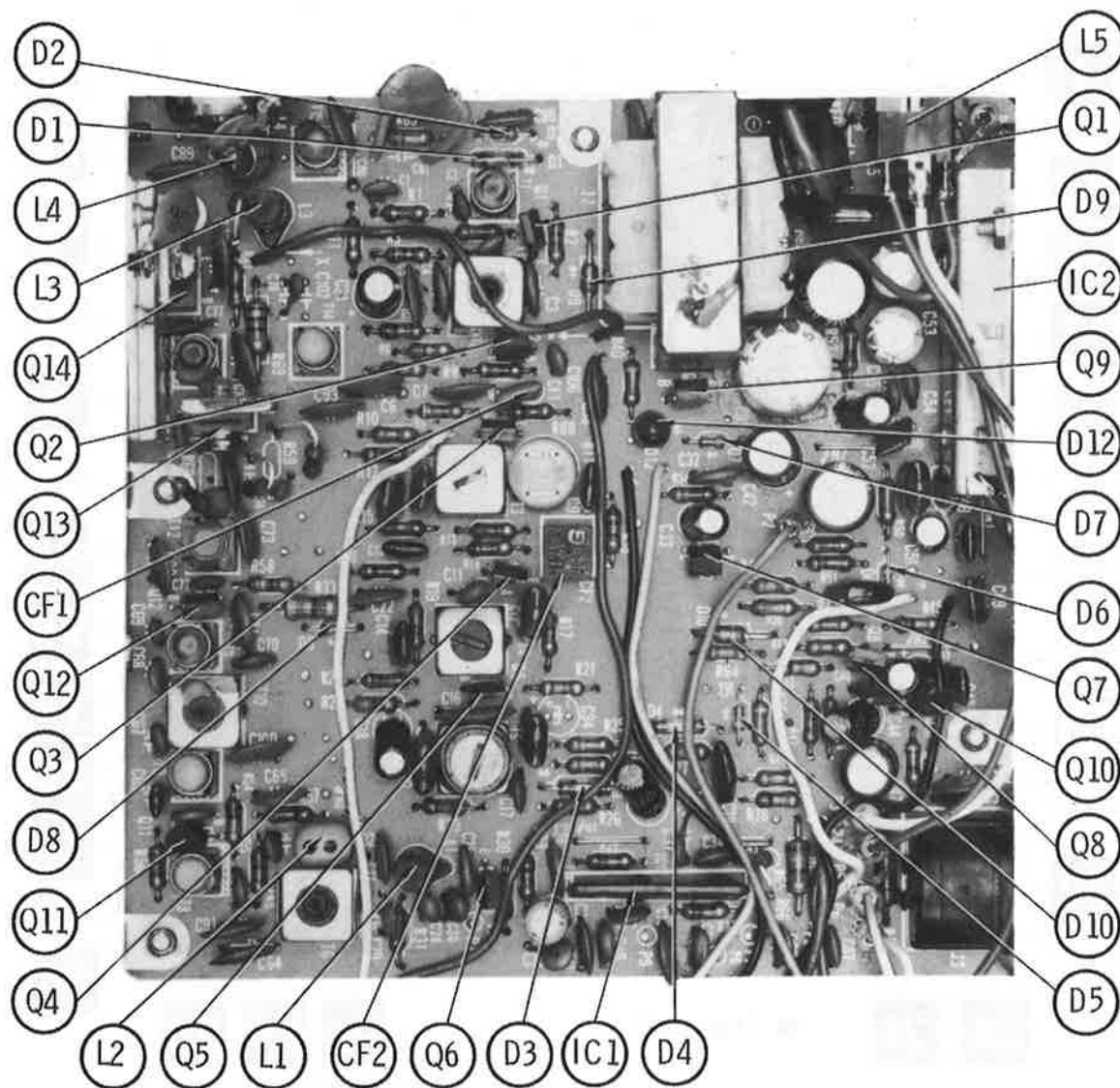
TEST EQUIPMENT	TRANSCEIVER	ADJUST	REMARKS
	Ch. 13	T9, T10, T11, T12, T13, T14, T15	Adjust for maximum.
	Ch. 13	T15, T14	Adjust for 4 watts maximum output.



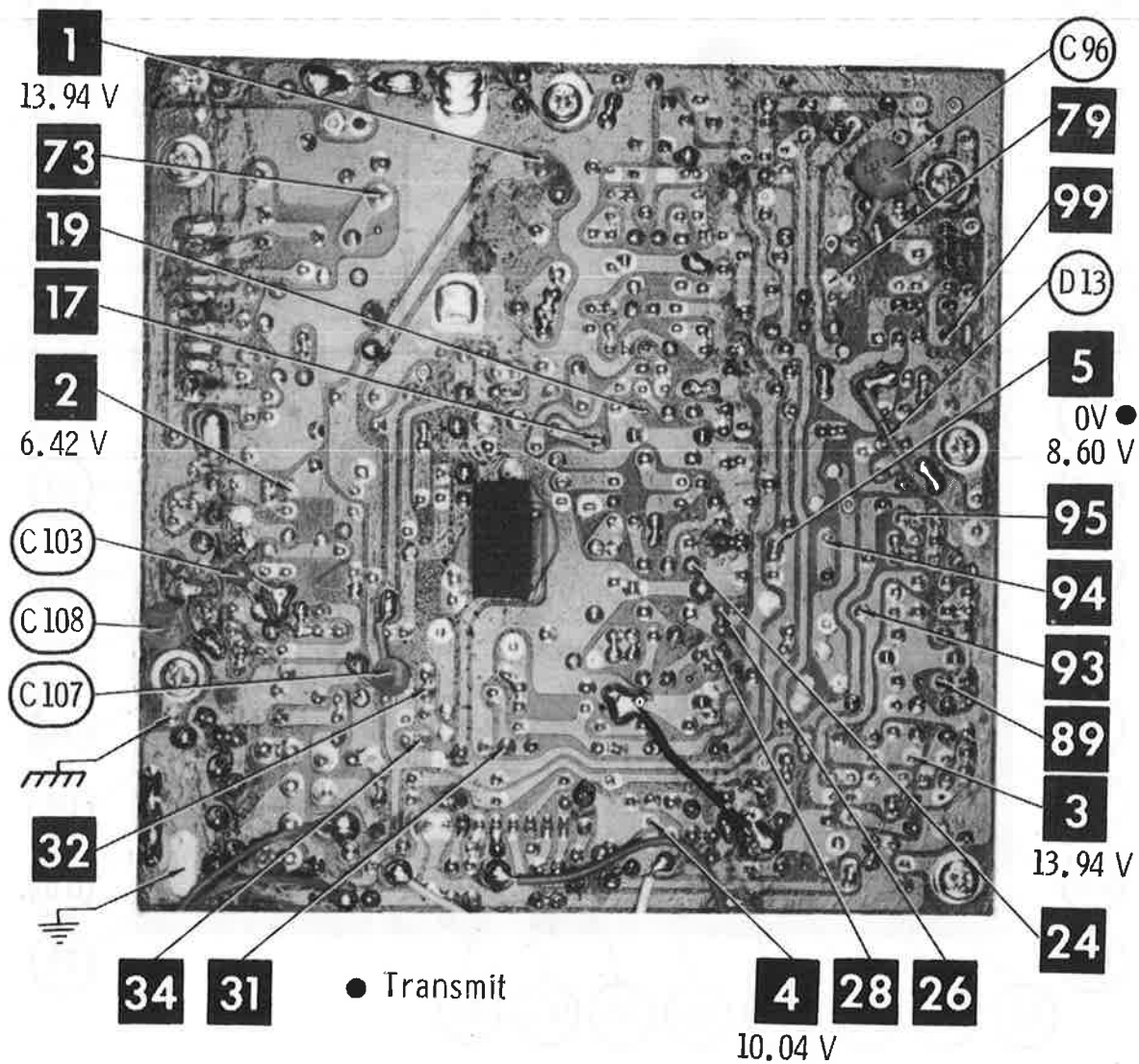
CHASSIS - BOTTOM



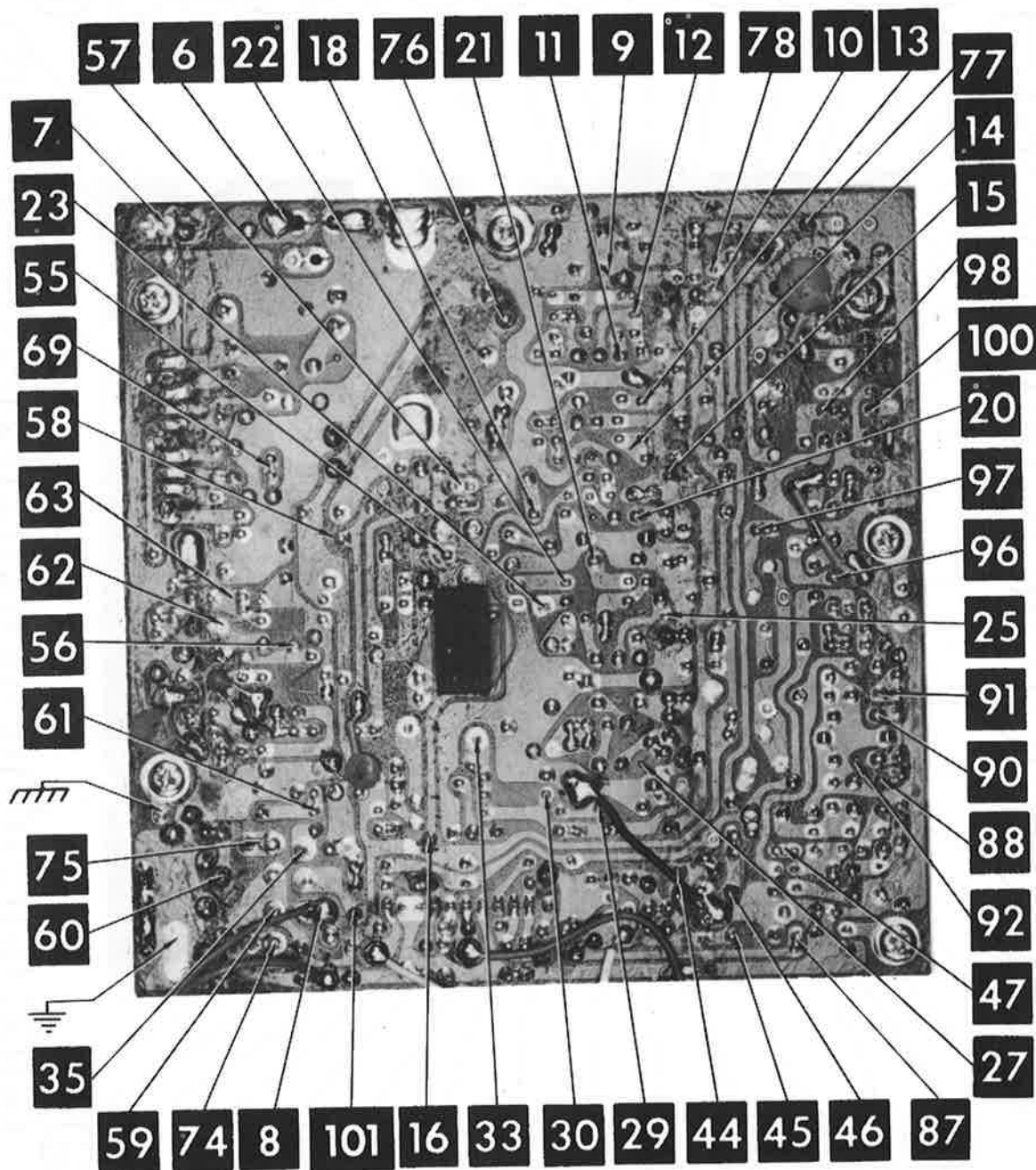
MAIN BOARD



MAIN BOARD

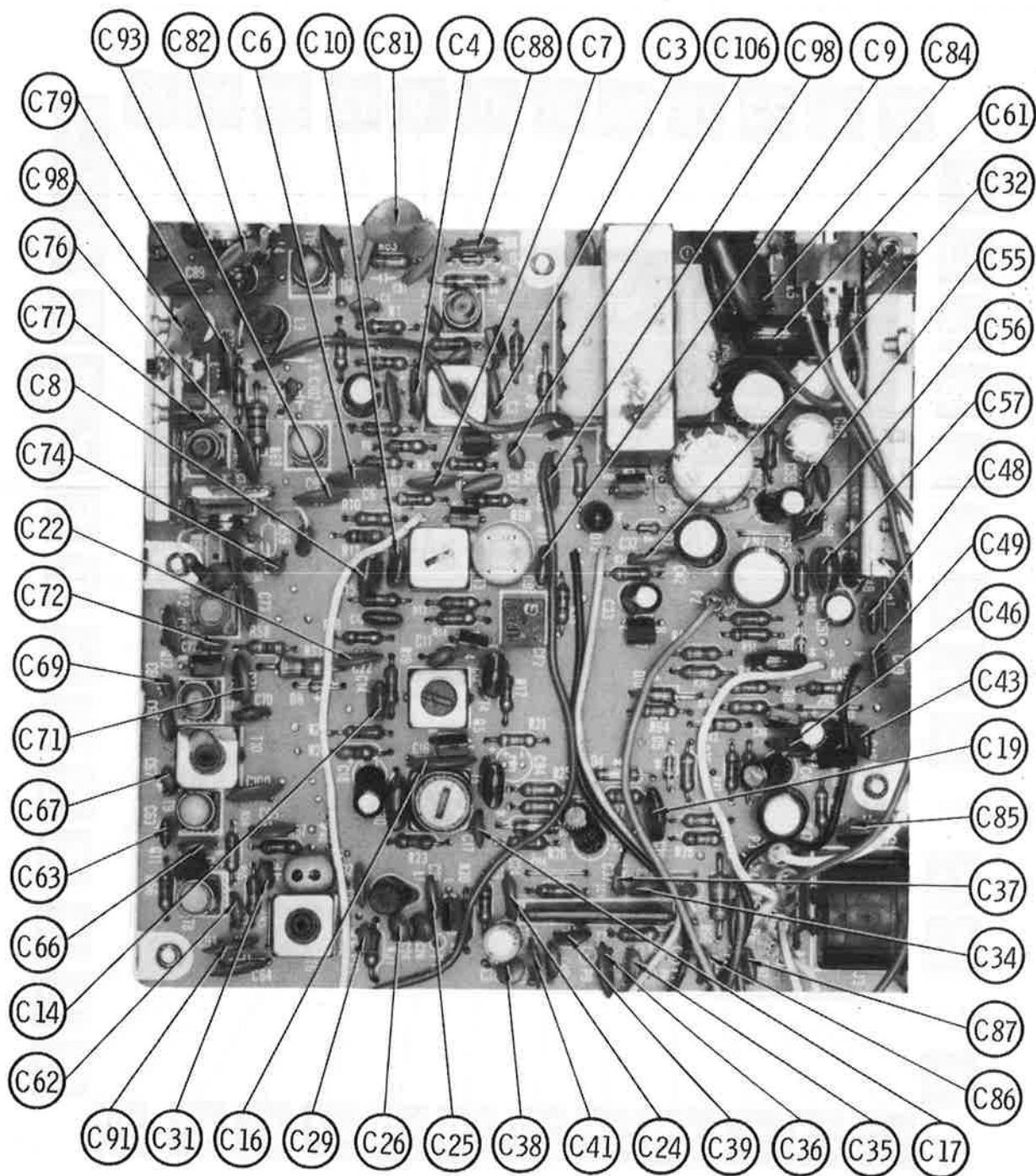


MAIN BOARD

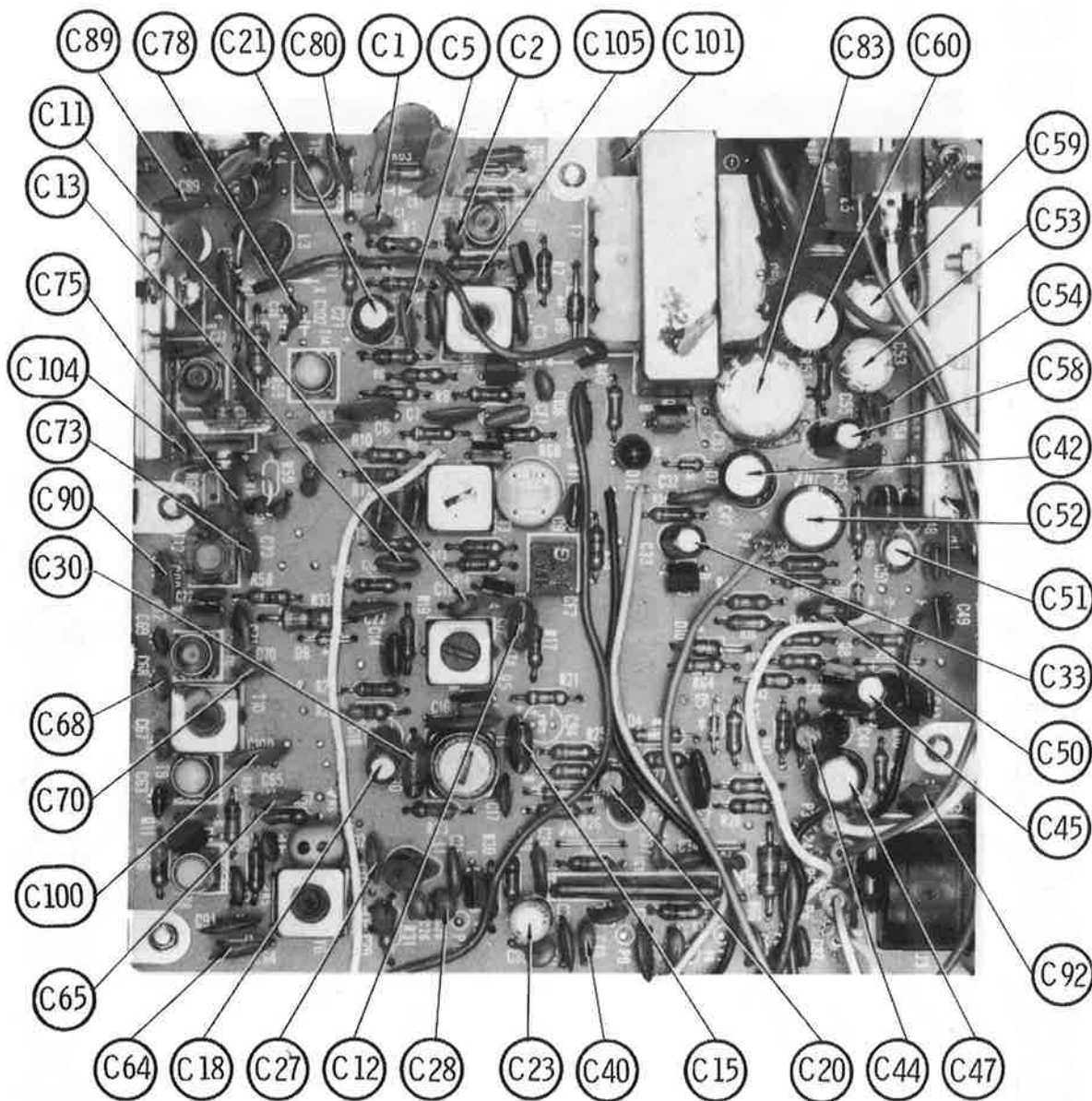


REALISTIC MODEL TRC-68

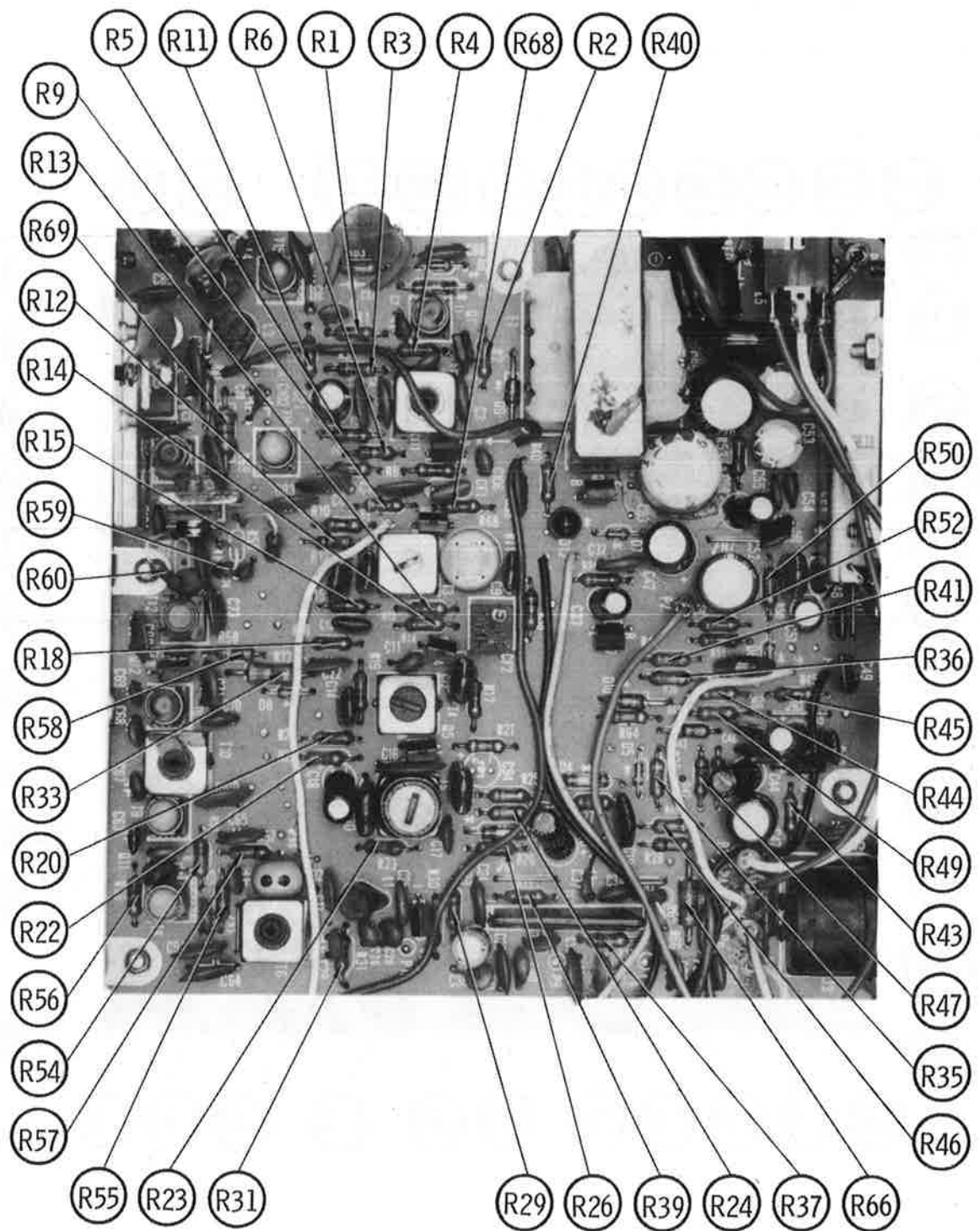
MAIN BOARD



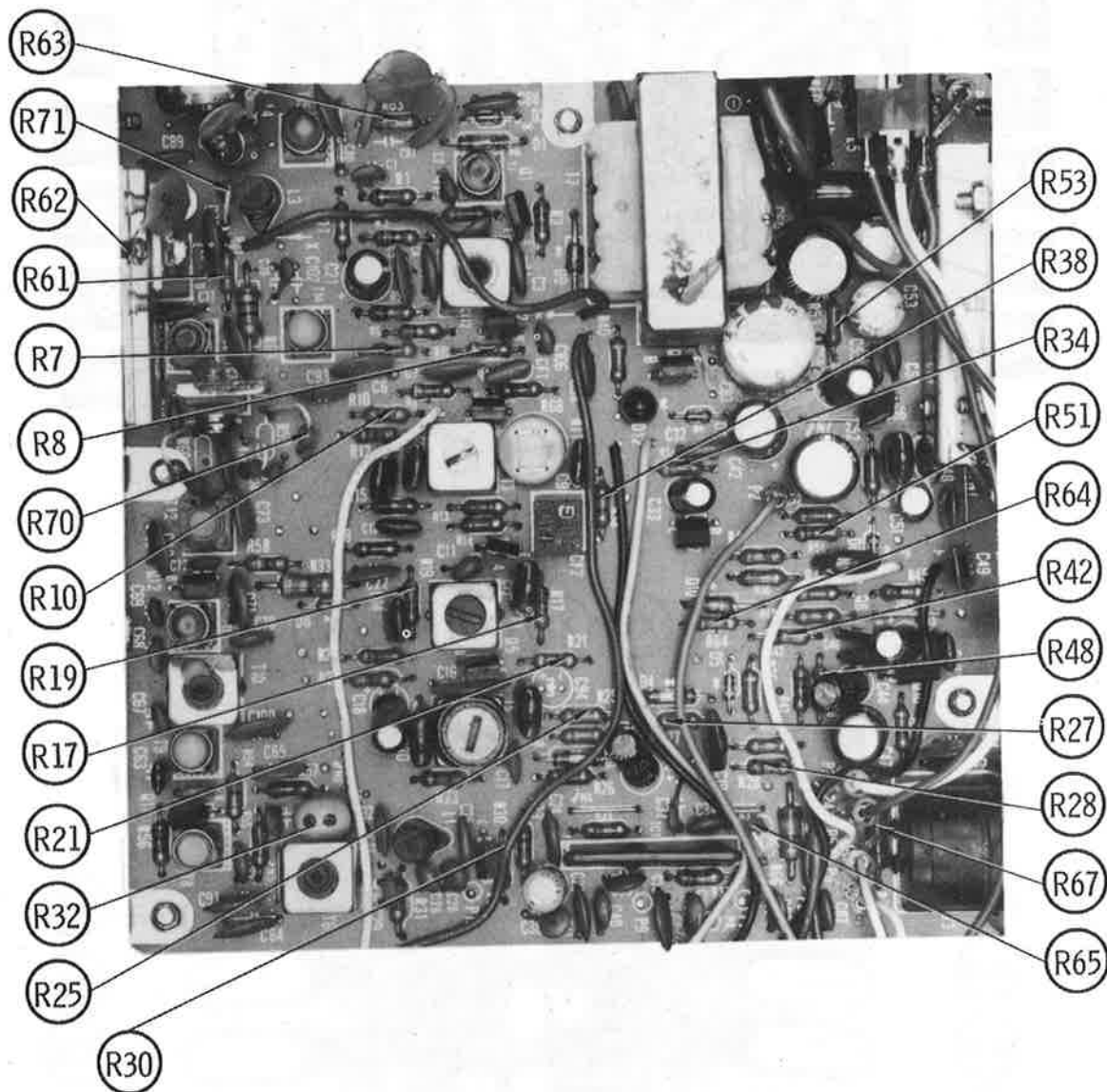
MAIN BOARD



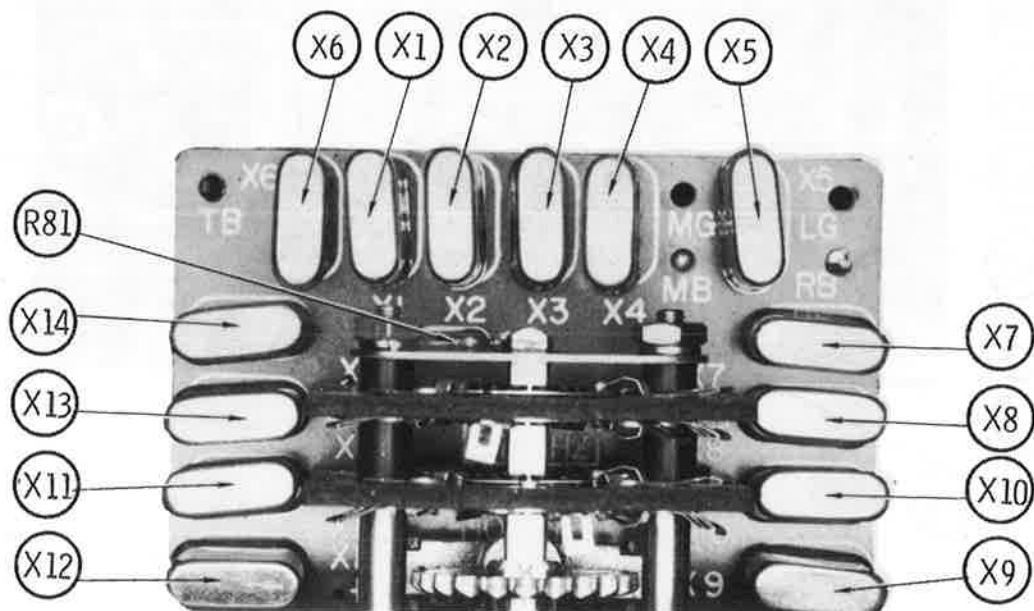
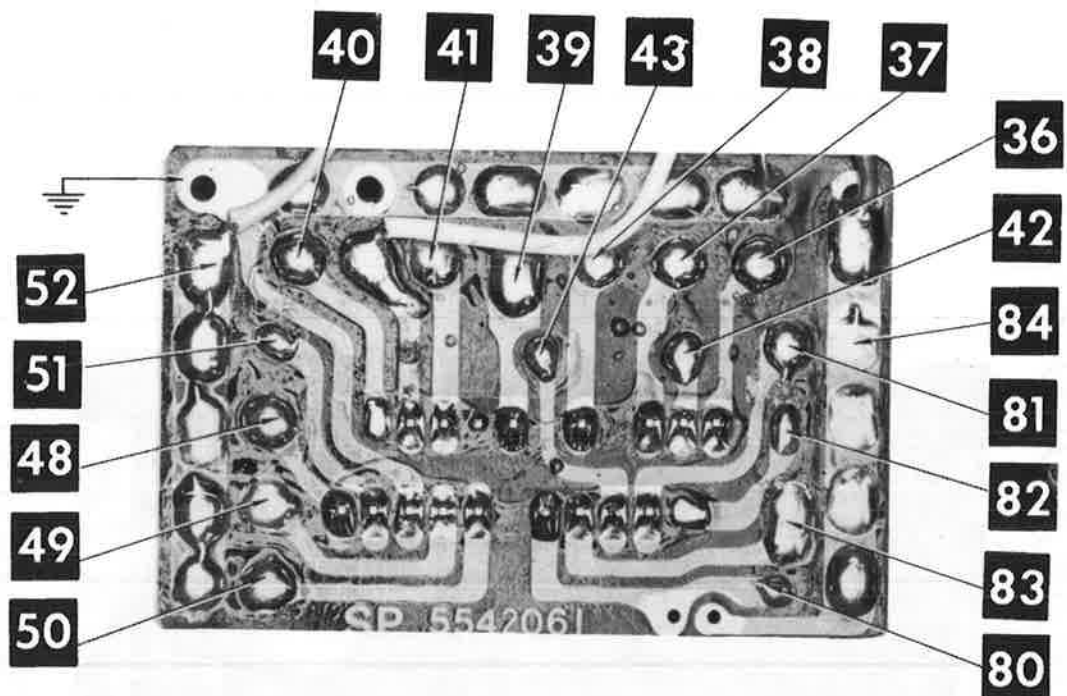
MAIN BOARD



MAIN BOARD



MAIN BOARD



CRYSTAL BOARD

PARTS LIST AND DESCRIPTION (CONTINUED)

(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.
D1	1N60	5330731	1N60	1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109
D2	1S2076	5330133	GE-300	D200	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177
D3	1N60	5330731	1N60	1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109
D4	1N60	5330731	1N60	1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109
D5	1S2076	5330133	GE-300	D200	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177
D6	1S2076	5330133	GE-300	D200	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177
D7	1S2076	5330133	GE-300	D200	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177
D8	1S2076	5330133	GE-300	D200	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177
D9	W06A	5330341	GE-504A	5A4D	PTC201	HEPR0052	RE 49	SK3030	RT-213	ECG116
D10	W06A	5330341	GE-504A	5A4D	PTC201	HEPR0052	RE 49	SK3030	RT-213	ECG116
D11	SR103D	5380051								
D12	SR103D	5380051								
D13	1S2076	5330133	GE-300	D200	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177
IC1	TR2007	5357531								
IC2	HA1339	5350321								
	HA1342(1)									
Q1	2SC460C	0573487	GE-61	(IR)2SC460B	PTC136	HEPS0014	RE 9	SK3124	RT-134	ECG233
Q2	2SC460C	0573487	GE-61	(IR)2SC460B	PTC136	HEPS0014	RE 9	SK3124	RT-134	ECG233
Q3	2SC454C	0573492	GE-210	(IR)2SC454B	PTC136	HEPS0014	RE 13	SK3124	RT-187	ECG123A
Q4	2SC454C	0573492	GE-210	(IR)2SC454B	PTC136	HEPS0014	RE 13	SK3124	RT-187	ECG123A
Q5	2SC454C	0573492	GE-210	(IR)2SC454B	PTC136	HEPS0014	RE 13	SK3124	RT-187	ECG123A
Q6	2SC460C	0573487	GE-61	(IR)2SC460B	PTC136	HEPS0014	RE 9	SK3124	RT-134	ECG233
Q7	2SC458D	5320064	GE-210	(IR)2SC458B	PTC121	HEPS0030	RE 13	SK3124	RT-187	ECG123A
Q8	2SC458D	5320064	GE-210	(IR)2SC458B	PTC121	HEPS0030	RE 13	SK3124	RT-187	ECG123A
Q9	2SC458D	5320064	GE-210	(IR)2SC458B	PTC121	HEPS0030	RE 13	SK3124	RT-187	ECG123A
Q10	2SC458D	5320064	GE-210	(IR)2SC458B	PTC121	HEPS0030	RE 13	SK3124	RT-187	ECG123A
Q11	2SC717	5320051	GE-17	(IR)2SC717	PTC132	HEPS0020	RE 9	SK3018	RT-134	ECG107
	2SC454C	0573492 (1)	GE-210	(IR)2SC454B	PTC136	HEPS0014	RE 13	SK3124	RT-187	ECG123A
Q12	2SC1213C	5320613	GE-210		PTC123	HEPS0014	RE 17	SK3122	RT-134	ECG289
	2SC454C	0573492(1)	GE-210	(IR)2SC454B	PTC136	HEPS0014	RE 13	SK3124	RT-187	ECG123A
Q13	2SC1957	5321311			PTC180				RT-146	ECG295
	2SC2028(1)									
Q14	2SC1909	5321321	GE-215		PTC186		RE 203		RT-146	ECG235
	2SC2029(1)									

(1) Used in some versions.

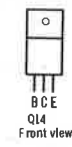
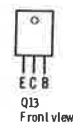
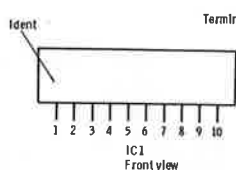
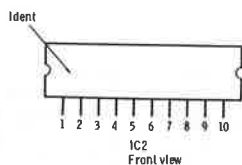
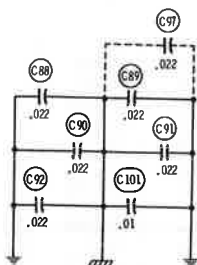
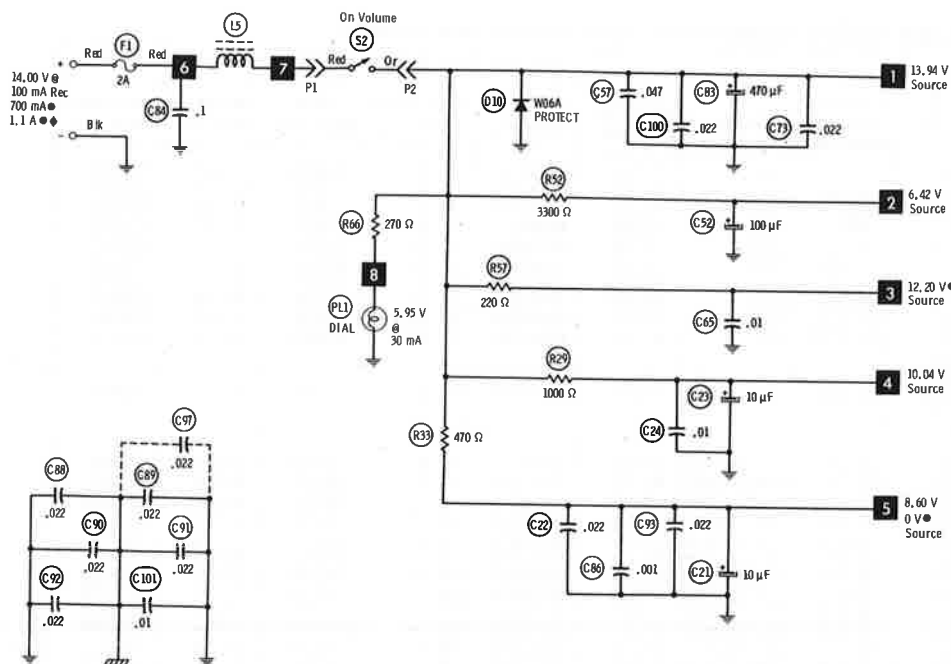
REALISTIC MODEL TRC-68

ELECTROLYTIC CAPACITORS

ITEM No.	RATING	REPLACEMENT DATA			
		MFR. PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.
C18	1 25V	0252611	PC1-50	TT25X1	EV-1315
C20	1 25V	0252611	PC1-50	TT25X1	EV-1315
C21	10 25V	0252621	PC10-25	VTT10A25	EV-1322
C23	10 25V	0252621	PC10-25	VTT10A25	EV-1322
C33	3.3 25V	0252613	PC5-50	VTT3R3A50	EV-1318
C42	22 25V	0252622	PC25-25	TC26C	EV-1324
C44	1 25V	0252611	PC1-50	TT25X1	EV-1315
C45	1 25V	0252611	PC1-50	TT25X1	EV-1315
C47	33 25V	0252623	PC30-25	VTT33D25	EV-1325
C51	1 25V	0252611	PC1-50	TT25X1	EV-1315
C52	100 16V	0252531	PC100-16	VTT100F16	EV-1230
C53	47 16V	0252525	PC50-16	VTT47D16	EV-1226
C58	4.7 25V	0252615	PC5-50	VTT4R7A50	EV-1319
C59	47 16V	0252525	PC50-16	VTT47D16	EV-1226
C60	220 10V	0252332	PC250-10	VTT220F10	EV-1140
C83	470 16V	0252535	PC500-16	VTT470J16	EV-1250

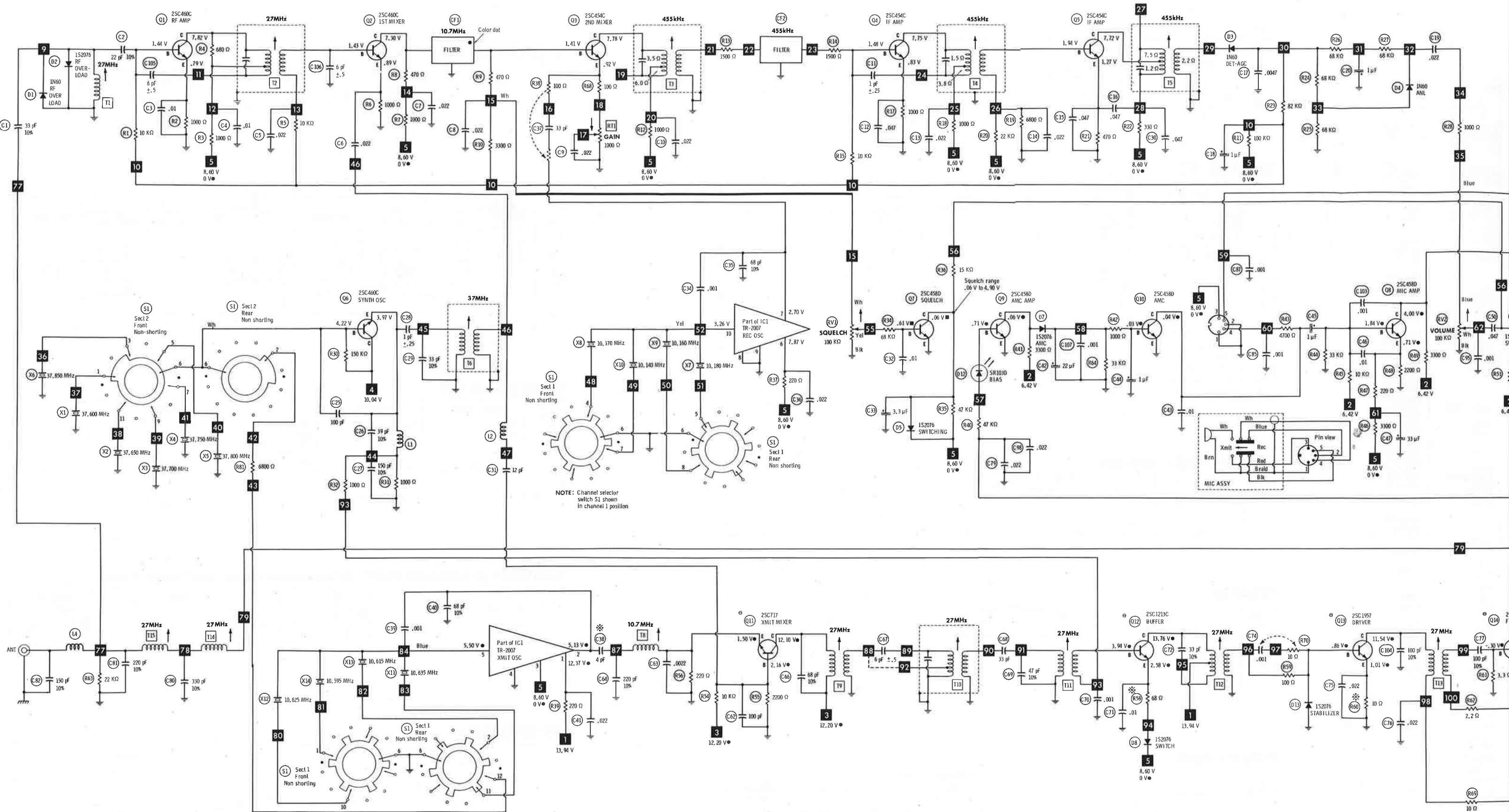
CAPACITORS

ITEM No.	RATING	MFR. PART No.	REPLACEMENT DATA			
			CENTRALAB PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.
C1	33 10%		DD330	NP033		10TCS-Q33
C2	22 10%		DD220	NP025		10TCS-Q22
C3	.01		UK50-103		MAG5011	
C4	.01		UK50-103		MAG5011	
C5	.022		UK50-223		MAG5012	
C6	.022		UK50-223		MAG5012	
C7	.022		UK50-223		MAG5012	



—*— Circuitry not used in some versions
 --- Circuitry used in some versions
 ⊕ See parts list
 * Nominal value
 ⊕ Ground
 r/m Chassis
 Measurements with switching as shown unless noted:
 ■ Squelch fully clockwise ♦ 100% modulation
 ● Transmit
 Supply voltage maintained as shown at input.
 Voltages measured with digital meter, no signal.
 Controls adjusted for normal operation.
 Arrow at control indicates direction of advance.
 Terminal identification may not be found on unit.
 Resistors are 1/2W or less, 5% unless noted.
 Value in () used in some versions.
 A PHOTOFAC STANDARD NOTATION SCHEMATIC
 WITH CIRCUITRACE

Chan	Crystal Complement	Chan	Crystal Complement	Chan	Crystal Complement	Chan	Crystal Complement
1	X1, X7, X11	7	X2, X9, X13	13	X4, X7, X11	19	X5, X9, X13
2	X1, X8, X12	8	X2, X10, X14	14	X4, X8, X12	20	X5, X10, X14
3	X1, X9, X13	9	X3, X7, X11	15	X4, X9, X13	21	X6, X7, X11
4	X1, X10, X14	10	X3, X8, X12	16	X4, X10, X14	22	X6, X8, X12
5	X2, X7, X11	11	X3, X9, X13	17	X5, X7, X11		
6	X2, X8, X12	12	X3, X10, X14	18	X5, X8, X12	23	X6, X10, X14



PARTS LIST AND DESCRIPTION (CONTINUED)
(When ordering parts, state Model, Part Number, and Description.)

CAPACITORS (cont)

ITEM No.	RATING	MFR. PART No.	REPLACEMENT DATA					
			CENTRALAB PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.		
C8	.022	0248631 0275115	UK50-503 DC-502	MGP005	M192P2239R8	192P2239R8		
C9	.022				M192P2239R8	192P2239R8		
C10	.022				M192P2239R8	192P2239R8		
C11	1 +.25				M192P2239R8 M192P2239R8	192P4739R8		
C12	.047					192P2239R8		
C13	.022					192P2239R8		
C14	.022					192P2239R8		
C15	.047				MAG5015 TA250 M192P2239R8	192P4739R8		
C16	.047					192P2239R8		
C17	.0047					192P2239R8		
C19	.022					192P4739R8		
C22	.022	0248631 0275115	UK50-223 UK50-103 DD-101	GP100	MAG5012	192P2239R8		
C24	.01				MAG5011	192P2239R8		
C25	100 10%				GP310	10TS-T10		
C26	39 10%				CN0439	10TCC-Q39		
C27	150 10%				GP315	10TS-T15		
C28	1 +.25				DD-151	10TCS-Q33		
C29	33 10%					192P4739R8		
C30	.047					10TCC-Q12		
C31	12 10%				NP033	10TCS-Q33		
C32	.01					192P4739R8		
C34	.001	0275111 0275111 0275115	UK50-103 DD-102G DD-680	GP1000 GP68	MAG5011	5GA-D10		
C35	68 10%				GP210	10TS-Q68		
C36	.022				GP468	10TCS-Q33		
C37	33 10%				MAG5012	10TCC-V47		
C38	4				NP033 NP04P7	5GA-D10		
C39	.001					10TS-Q68		
C40	68 10%					GP68	10TS-Q68	
C41	.022					MAG5012	192P1039R8	
C43	.01		DD-101 DD-680	GP100 GP68	GP310 GP468	192P1039R8		
C46	.01					192P1039R8		
C48	.01					192P1039R8		
C49	.022	M192P2239R8				192P2239R8		
C50	.047					192P4739R8		
C54	100 10%					10TS-T10		
C55	68 10%					10TS-Q68		
C56	.01					192P1039R8		
C57	.047					192P4739R8		
C61	.22					192P2249R8		
C62	100 10%					10TS-T10		
C63	.0022	0248646				GP322	192P2229R8	
C64	220 10%	DD-221 UK50-103 DD-680	GP68	MAG5011	10TS-T22			
C65	.01			GP468	10TS-Q68			
C66	68 10%			NP033	10TCS-Q33			
C67	6 +.5				10TCS-Q47			
C68	33 10%				5GA-D10			
C69	47 10%			GP1000	10TCS-Q33			
C70	.001				10TCS-Q33			
C71	.01				10TCS-Q33			
C72	33 10%		0248716		NP033	MAG5011	10TCS-Q33	
C73	.022					MAG5012	5GA-D10	
C74	.001					GP210	10TCS-Q33	
C75	.022					MAG5012	5GA-D10	
C76	.022					MAG5012	10TS-T10	
C77	100 10%					GP310	5GA-D10	
C78	.001					GP210	5GA-D10	
C79	.022					MAG5012	10TS-T33	
C80	330 10%					GP333	10TS-T22	
C81	220 10%		0276111		GP330	GP322	10TS-T15	
C82	150 10%					GP315	192P1049R8	
C84	.1					DD-151	192P1049R8	
C85	.001						5GA-D10	
C86	.001	DD-102G DD-102G DD-102G	GP1000 GP1000 GP1000	GP210	5GA-D10			
C87	.001			GP210	5GA-D10			
C88	.022			MAG5012	5GA-D10			
C89	.022			MAG5012	5GA-D10			
C90	.022			MAG5012	5GA-D10			
C91	.022			MAG5012	5GA-D10			
C92	.022			MAG5012	5GA-D10			
C93	.022			MAG5012	5GA-D10			
C95	.001		GP1000	GP210	5GA-D10			
C96	.022			MAG5012	5GA-D10			
C98	.022			0248646 0248646			MAG5012	5GA-D10
C99	.022						MAG5012	5GA-D10
C100	.022						MAG5012	5GA-D10
C101	.01						MAG5012	5GA-D10
C103	.001						MAG5012	5GA-D10
C104	100 10%						GP210	10TS-T10
C105	6 ±.5	DD-102G UK50-103	GP1000 GP100	GP310	5GA-D10			
C106	6 ±.5			GP310	5GA-D10			
C107	.001			GP210	5GA-D10			
C108	.01			MAG5011	5GA-D10			

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				
			MFR. PART No.	CENTRALAB PART No.	CLAROSTAT PART No.	MALLORY PART No.	TRW PART No.
RT1	Gain	1000	0151883	T-1000	C-102	MTIC13L1	X201R102B
RV1	Squelch	100K	5000303				
RV2	Volume/Switch	100K	5003141				

COILS (RF-IF)

ITEM No.	FUNCTION	REPLACEMENT DATA			REMARKS
		PART No.	OTHER IDENTIFICATION	MILLER PART No.	
L1	RF Choke (1uH)	5150783			
L2	RF Choke (1uH)	5152061			
L3	RF Choke (2.2uH)	5150782			
L4	Ant. Load (0.33uH)	5150071		4586	
L5	RF Choke (100uH)	5150762			
T1	Rec. Ant. (27MHz)	5126372			
T2	Rec. RF (27MHz)	5120099	200995N35		
T3	IF (455kHz)	0322116	221165N15	8517	
T4	IF (455kHz)	0322146	221465NDV		
T5	IF (455kHz)	5132031	5N3F32031		
T6	Synth Osc. (37MHz)	5123261	232615D15		
T8	Xmit Osc. (10.7MHz)	5126374			
T9	Xmit Mixer (27MHz)	5126371			
T10	Harmonic Suppressor (27MHz)	0317175	171755N35		
T11	Harmonic Suppressor (27MHz)	5126376			
T12	Buffer (27MHz)	5123375	23375		
T13	Driver (27MHz)	5126377			
T14	Final Tank (27MHz)	5126378			
T15	Pi Filter (27MHz)	5126373			

TRANSFORMER (Audio Output)

ITEM No.	IMPEDANCE		REPLACEMENT DATA			NOTES
	PRI.	SEC.	MFR. PART No.	THORDARSON PART No.	TRIAD PART No.	
T7	5.6	8	5250192 LCH18 (1)			(1) Number on unit.

SPEAKER

ITEM No.	TYPE	REPLACEMENT DATA		NOTES
		MFR. PART No.	QUAM PART No.	
SP1	3" PM, 8 Ohms	5402521	30A05Z8	

FUSE DEVICES

ITEM No.	DESCRIPTION	REPLACEMENT DATA					
		PART No.		BUSS PART No.		LITTELFUSE PART No.	
		DEVICE	HOLDER	DEVICE	HOLDER	DEVICE	WORKMAN PART No.
T1	2A, Fast Acting			AGC2	HDJ	312002	150145 FG2-2

PARTS LIST AND D
(When ordering parts, state Ma

MICROPHONE

ITEM No.	REPLACEMENT DATA	
	MFR. PART No.	PART No.
MIC	5421091	18-0

CRYSTALS

ITEM No.	CRYSTAL FREQUENCY IN MHZ	MFR. PART No.
X1	37.600	5780191
X2	37.650	5780192
X3	37.700	5780193
X4	37.750	5780194
X5	37.800	5780195
X6	37.850	5780196
X7	10.180	5780201

MISCELLANEOUS

ITEM No.	PART NAME
CF1	Filter
CF2	Filter
S1	Switch
S2	Switch
	Printed Circuit Board
	Printed Circuit Board

CABINETS & CAB

ITEM
Escutcheon Assembly
Cover, Top
Cover, Bottom

WIRING DATA

General-use Hook-up Wire
Power Cord, 2-Wire
Shielded Antenna Lead ..
Coiled Microphone Cable
Bonding Strap

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.
RT1 RV1 RV2	Gain Squelch Volume/Switch	1000 100K 100K	0151883 5000303 5003141	T-1000	C-102	MTC13L1	X201R102B

COILS (RF-IF)

ITEM No.	FUNCTION	REPLACEMENT DATA			REMARKS
		PART No.	OTHER IDENTIFICATION	MILLER PART No.	
L1	RF Choke (1uH)	5150783			
L2	RF Choke (1uH)	5152061			
L3	RF Choke (2.2uH)	5150782			
L4	Ant. Load (0.33uH)	5150071			
L5	RF Choke (100uH)	5150762			
T1	Rec. Ant. (27MHz)	5126372			
T2	Rec. RF (27MHz)	5120099	200995H35		
T3	IF (455kHz)	0322116	221165N15		
T4	IF (455kHz)	0322146	221465NDV		
T5	IF (455kHz)	5132031	5N3F32031		
T6	Synth Osc. (37MHz)	5123261	232615D15		
T8	Xmit Osc. (10.7MHz)	5126374			
T9	Xmit Mixer (27MHz)	5126371			
T10	Harmonic Suppressor (27MHz)	0317175	171755H35		
T11	Harmonic Suppressor (27MHz)	5126376			
T12	Buffer (27MHz)	5123375			
T13	Driver (27MHz)	5126377	23375		
T14	Final Tank (27MHz)	5126378			
T15	Pi Filter (27MHz)	5126373			

TRANSFORMER (Audio Output)

ITEM No.	IMPEDANCE		REPLACEMENT DATA			NOTES
	PRI.	SEC.	MFGR. PART No.	THORDARSON PART No.	TRIAD PART No.	
T7	5.6	8	5250192 LCH18 (1)			(1) Number on unit.

SPEAKER

ITEM No.	TYPE	REPLACEMENT DATA		NOTES
		MFGR. PART No.	QUAM PART No.	
SP1	3" PM, 8 Ohms	5402521	30A05Z8	

FUSE DEVICES

ITEM No.	DESCRIPTION	REPLACEMENT DATA					
		PART No.		BUSS PART No.		LITTELFUSE PART No.	
		DEVICE	HOLDER	DEVICE	HOLDER	DEVICE	HOLDER
T1	2A, Fast Acting			AGC2	HDJ	312002	150145

PARTS LIST AND DESCRIPTION (CONTINUED)
(When ordering parts, state Model, Part Number, and Description.)

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
MIC	5421091	18-032	18-034		18-010	18-105	4	1	3	5	NC

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
X1	37.600	5780191	DA20W37.600	1,2,3,4	X8	10.170	57802C2	DC90W10.170	2,6,10,14,18,22
X2	37.650	5780192	DA20W37.650	5,6,7,8	X9	10.160	578203	DC90W10.160	3,7,11,15,19
X3	37.700	5780193	DA20W37.700	9,10,11,12	X10	10.140	5780204	DC90W10.140	4,8,12,16,20,23
X4	37.750	5780194	DA20W37.750	13,14,15,16	X11	10.635	5780205	DB90W10.635	1,5,9,13,17,21
X5	37.800	5780195	DA20W37.800	17,18,19,20	X12	10.625	5780206	DB90W10.625	2,6,10,14,18,22
X6	37.850	5780196	DA20W37.850	21,22,23	X13	10.615	5780207	DB90W10.615	3,7,11,15,19
X7	10.180	5780201	DA20W10.180	1,5,9,13,17,21	X14	10.595	5780208	DB90W10.595	4,8,12,16,20,23

MISCELLANEOUS

ITEM No.	PART NAME	PART No.	NOTES
CF1 CF2 S1 S2	Filter Filter Switch Switch Printed Circuit Board Printed Circuit Board	5160214 5160011 5612082 5545842 SP5542061	10.7MHz 455kHz Channel Selector On/Volume (Part of RV2) Main Xtal

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

ITEM	PART No.	ITEM	PART No.
Escutcheon Assembly Cover, Top Cover, Bottom	6241582 6144721 6144711	Knob, Channel Knob, Control Hanger, Mic	6286331 6286321 7183331

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
Bonding Strap	Use BELDEN No. 8661 (3/8 inch)