



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.



MODEL BROWNIE

ALIGNMENT INSTRUCTIONS

Suggested Alignment Tools:

GC ELECTRONICS

T1, L3, L4, L5.....9440

ALL other tunable coils and transformers.....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 TP1, low side to ground.	455kHz, 1000Hz @ 30% modulation, output 10uV.	Any	T4,T5	Adjust for maximum.
High side thru .01uF to base of Q1, low side to ground.	7.8MHz, 1000Hz @ 30% modulation, output 3uV.	Any	T2,T3	Adjust for maximum.
High side thru .01uF to Antenna Jack, low side to ground.	27.115MHz, 1000Hz @ 30% modulation, output 1uV.	13	L4,T1	Adjust for maximum.
		11	T6,T7,T8	Connect an oscilloscope (with a response to 30MHz) thru .01uF to TP6, low side to TP9. Adjust for maximum output on scope.

BROWNING MODEL BROWNIE

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

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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 100uV.	13	R51	Set squelch control fully clockwise. Adjust 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	R17	Adjust for "S" 9 on Panel Meter.

TRANSMITTER

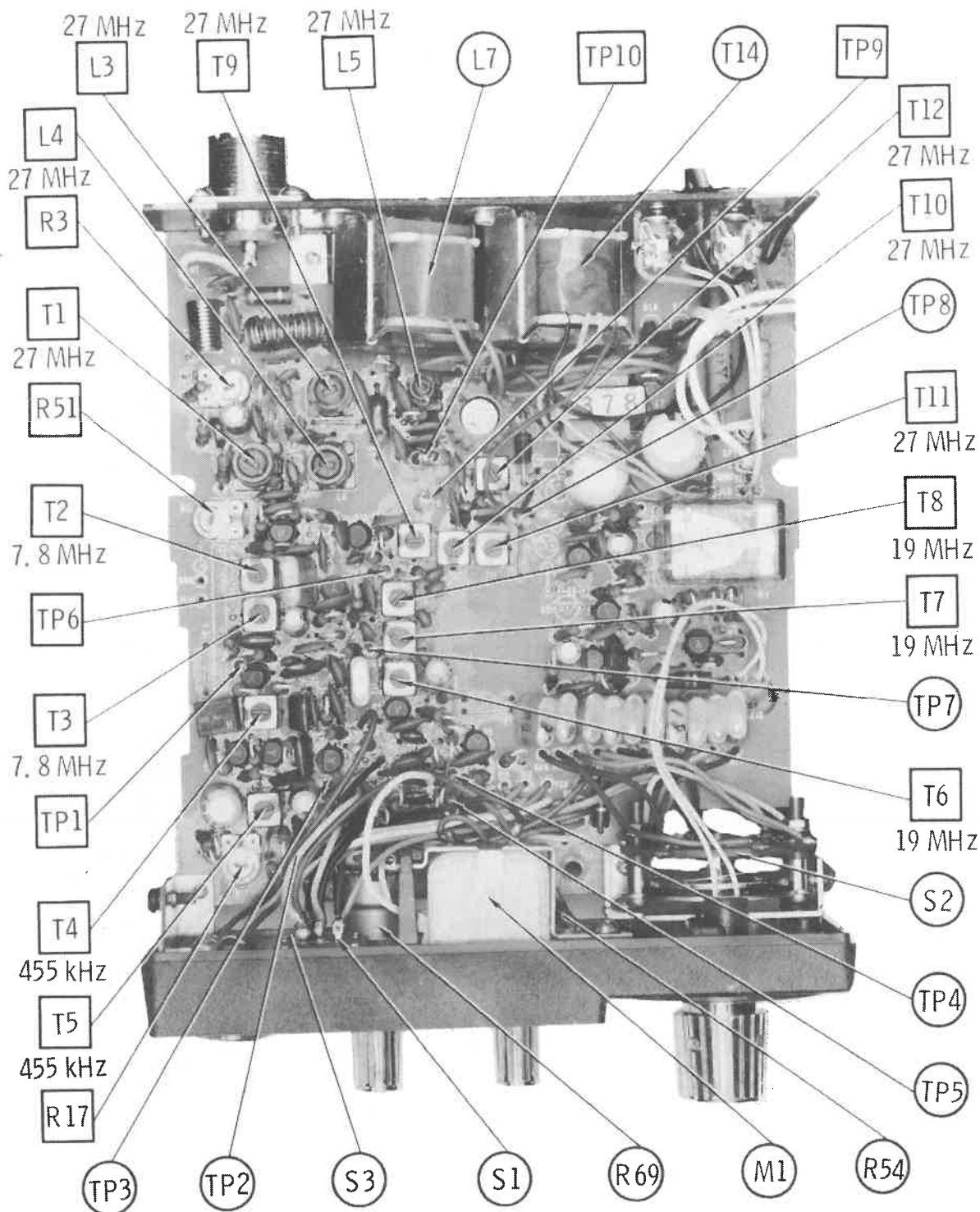
Connect an RF Wattmeter or 50-ohm, 25-watt dummy load to antenna connector.
 Adjustments made with 14-volt DC input.

INDICATOR	ADJUST	REMARKS
MIXER, BUFFER, DRIVER, FINAL RF Wattmeter	T9,T10,T11, T12,L3,L5	Channel selector to Ch. 13. Key transmitter. Adjust for maximum.
FINAL INPUT POWER Remove jumper at TP10 and connect 0-1000DC milliammeter.	L3	Adjust for 5 watts (maximum).

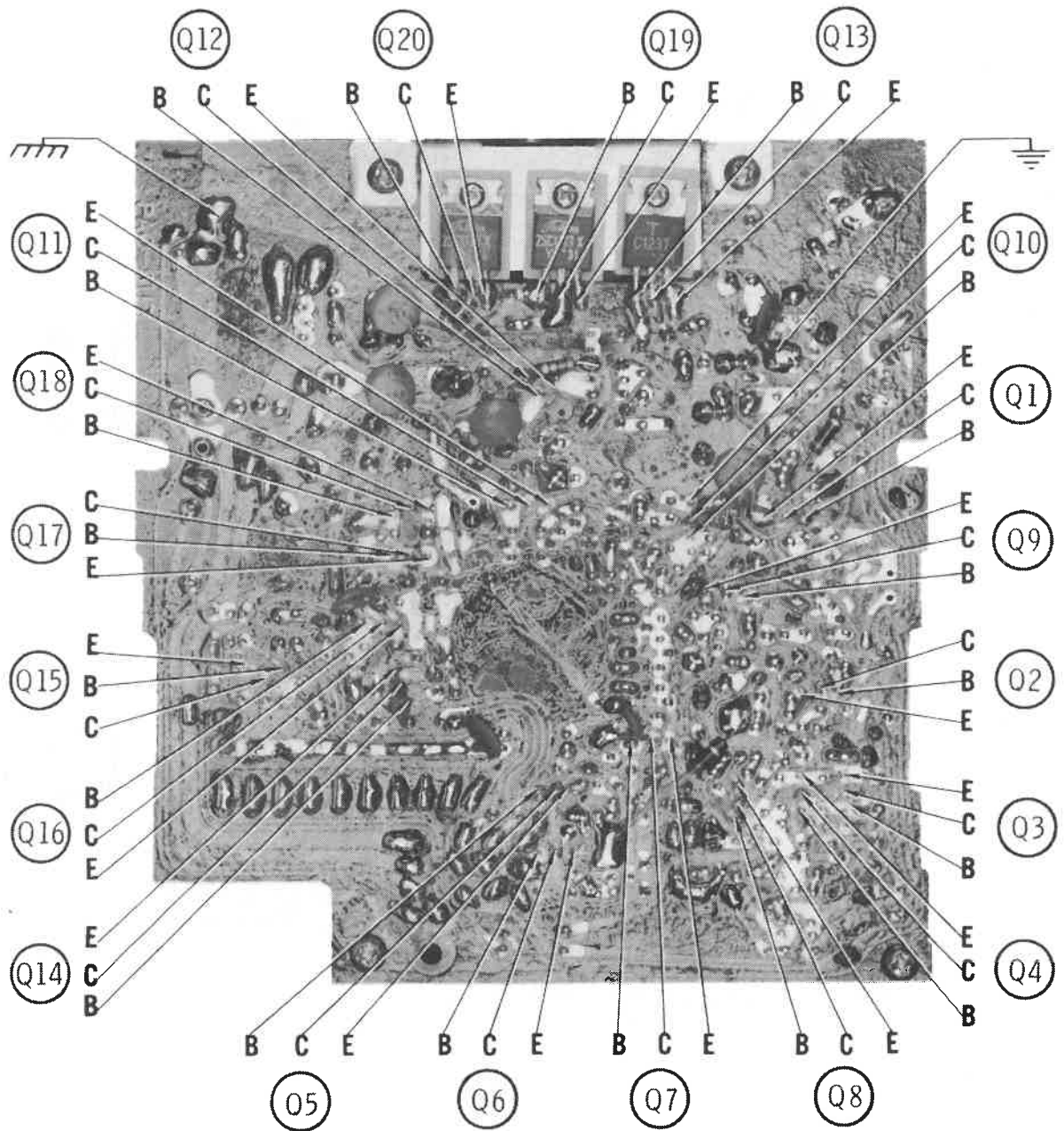
TRANSMITTER ADJUSTMENTS

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

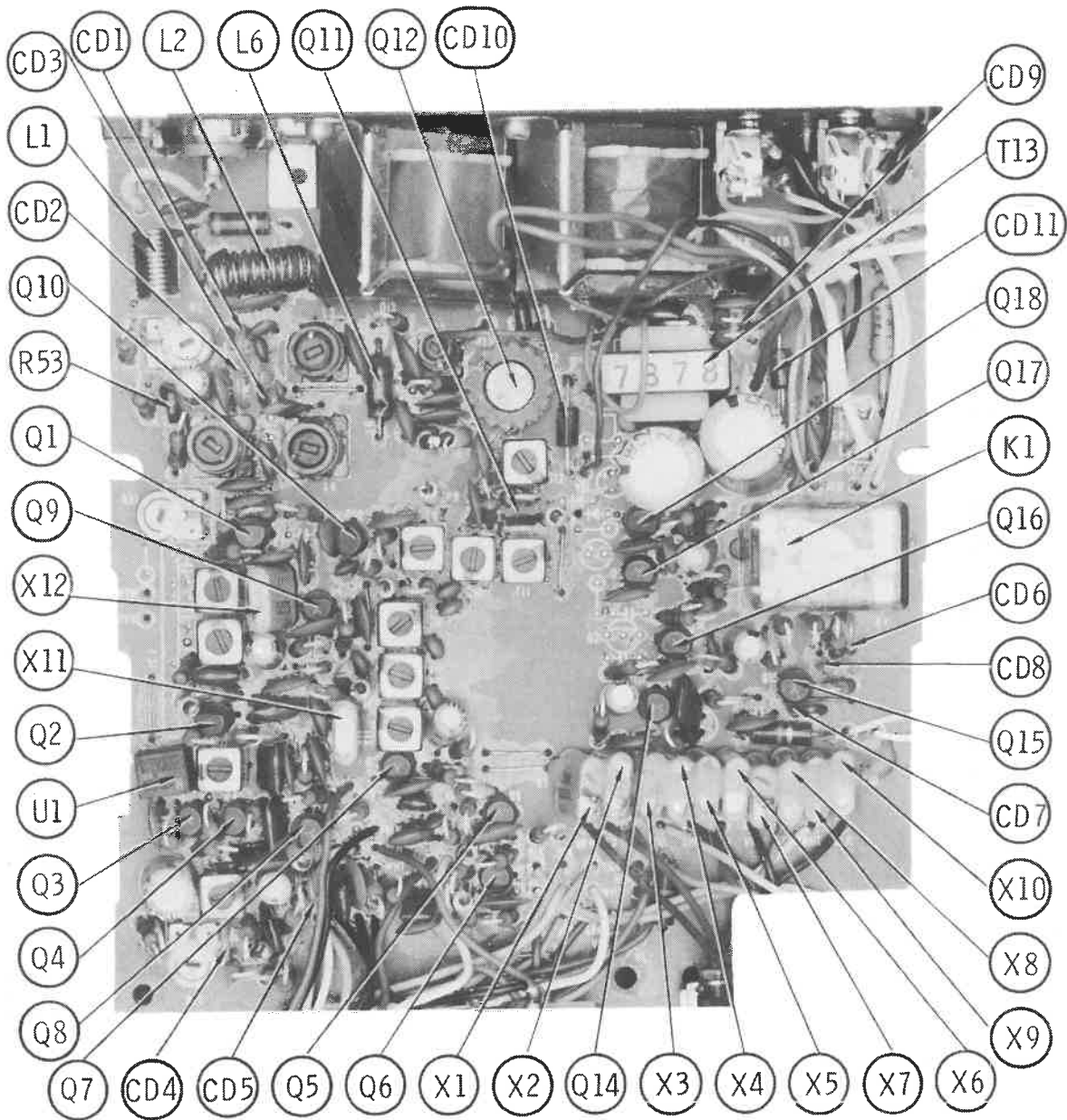
INDICATOR	ADJUST	REMARKS
RF PANEL METER RF Wattmeter	R3	Key transmitter. Adjust so that panel RF meter agrees with RF wattmeter.



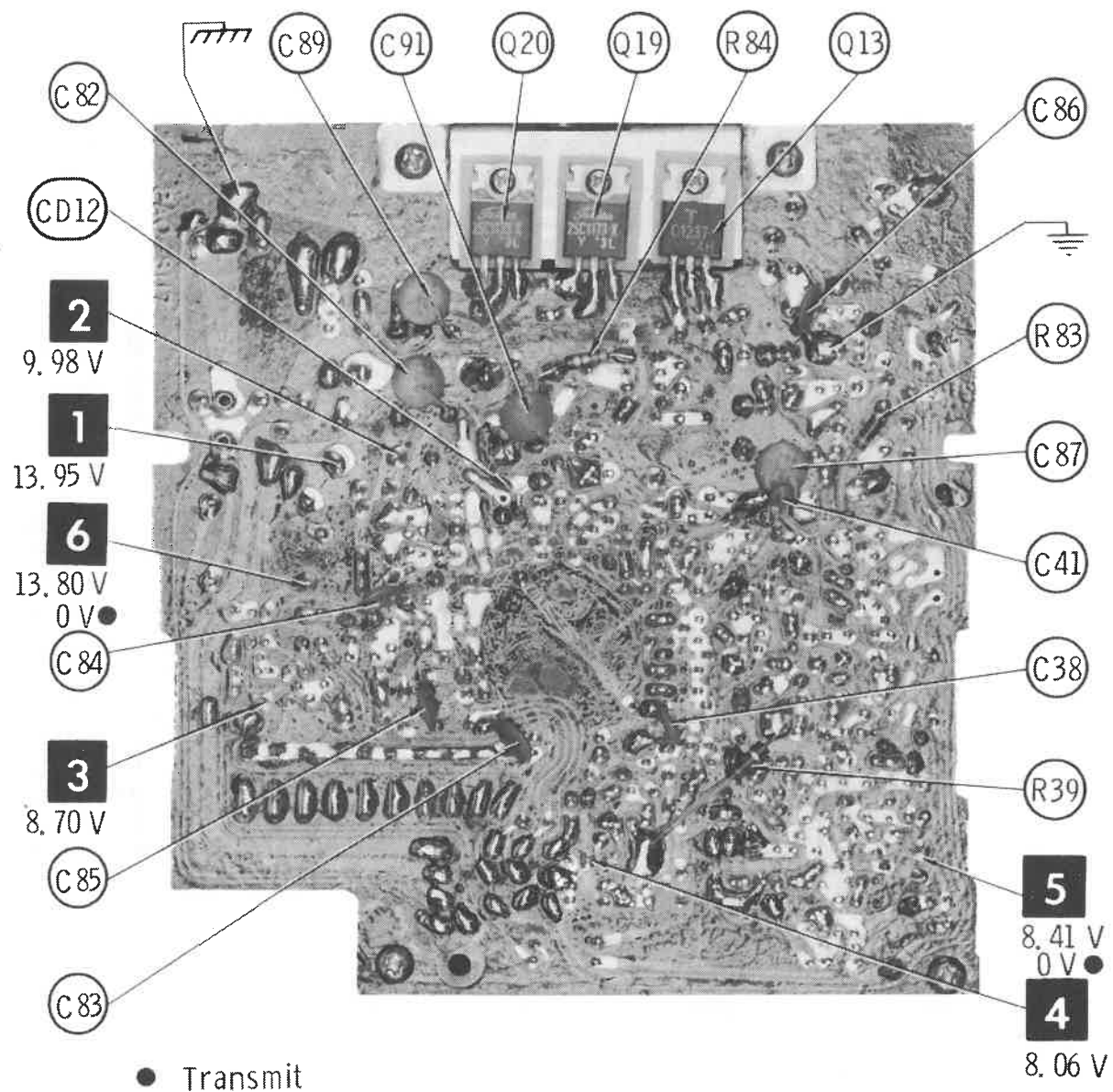
CHASSIS - TOP



MAIN BOARD

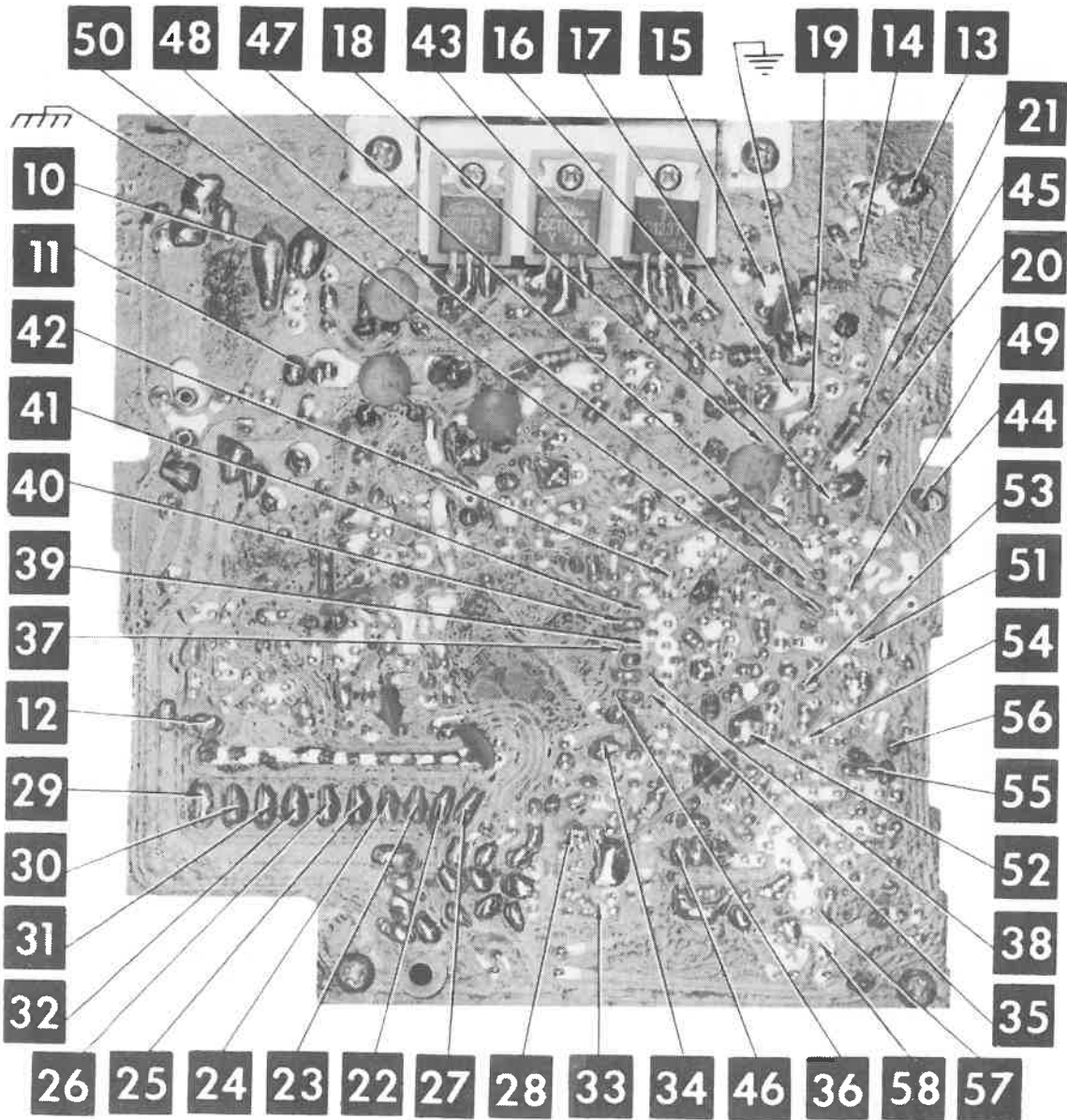


MAIN BOARD

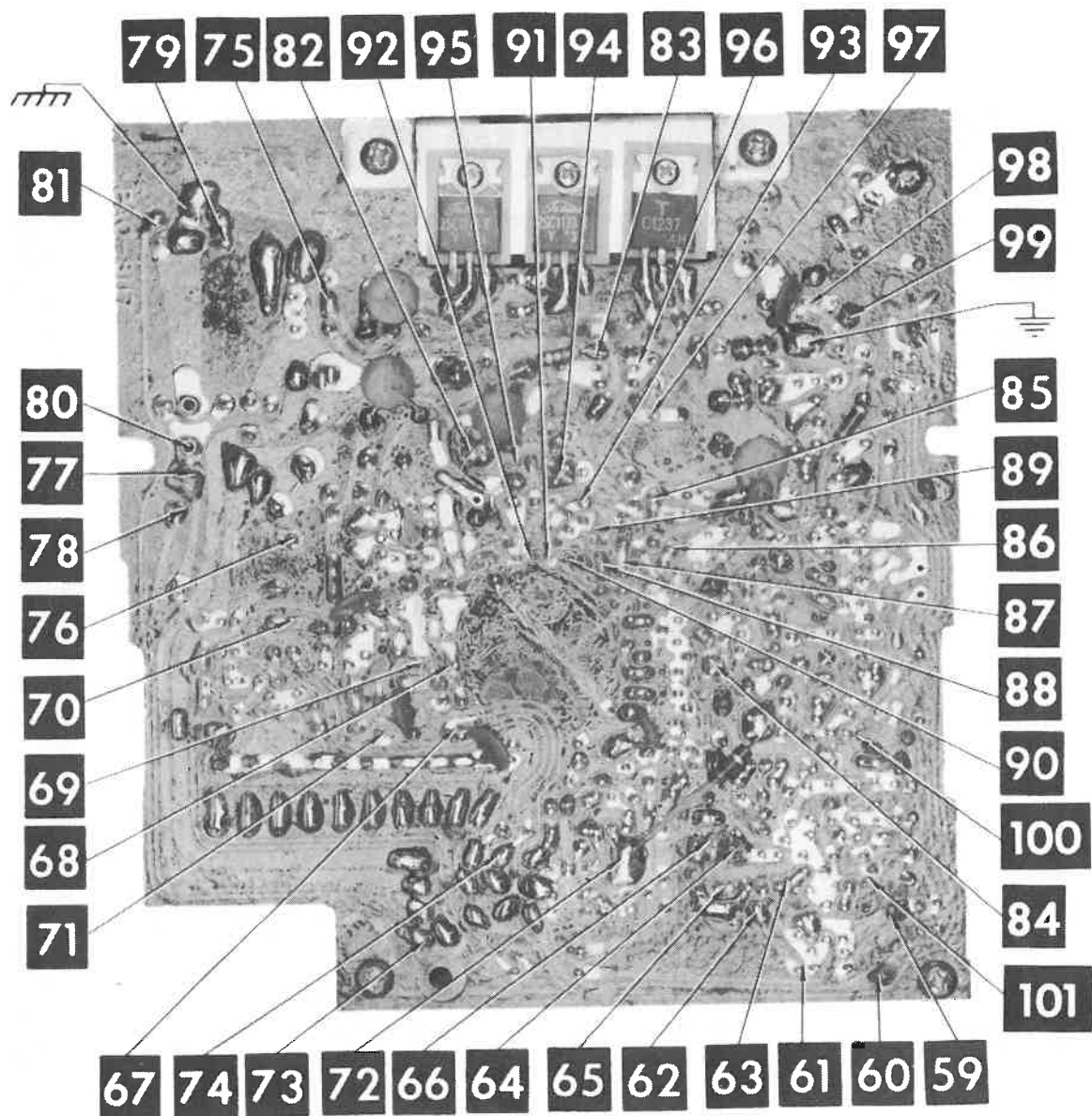


MAIN BOARD

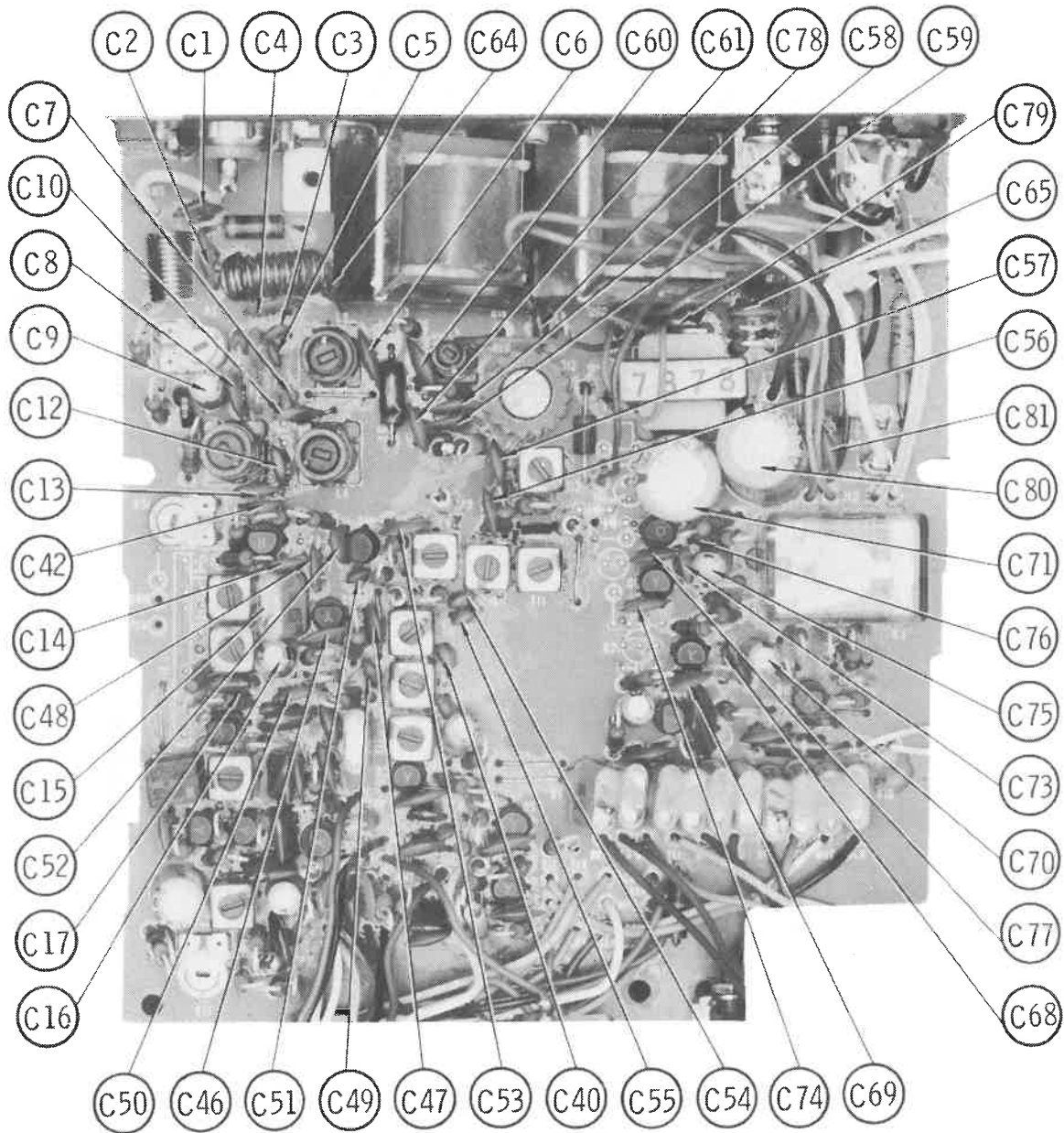
BROWNING MODEL BROWNIE



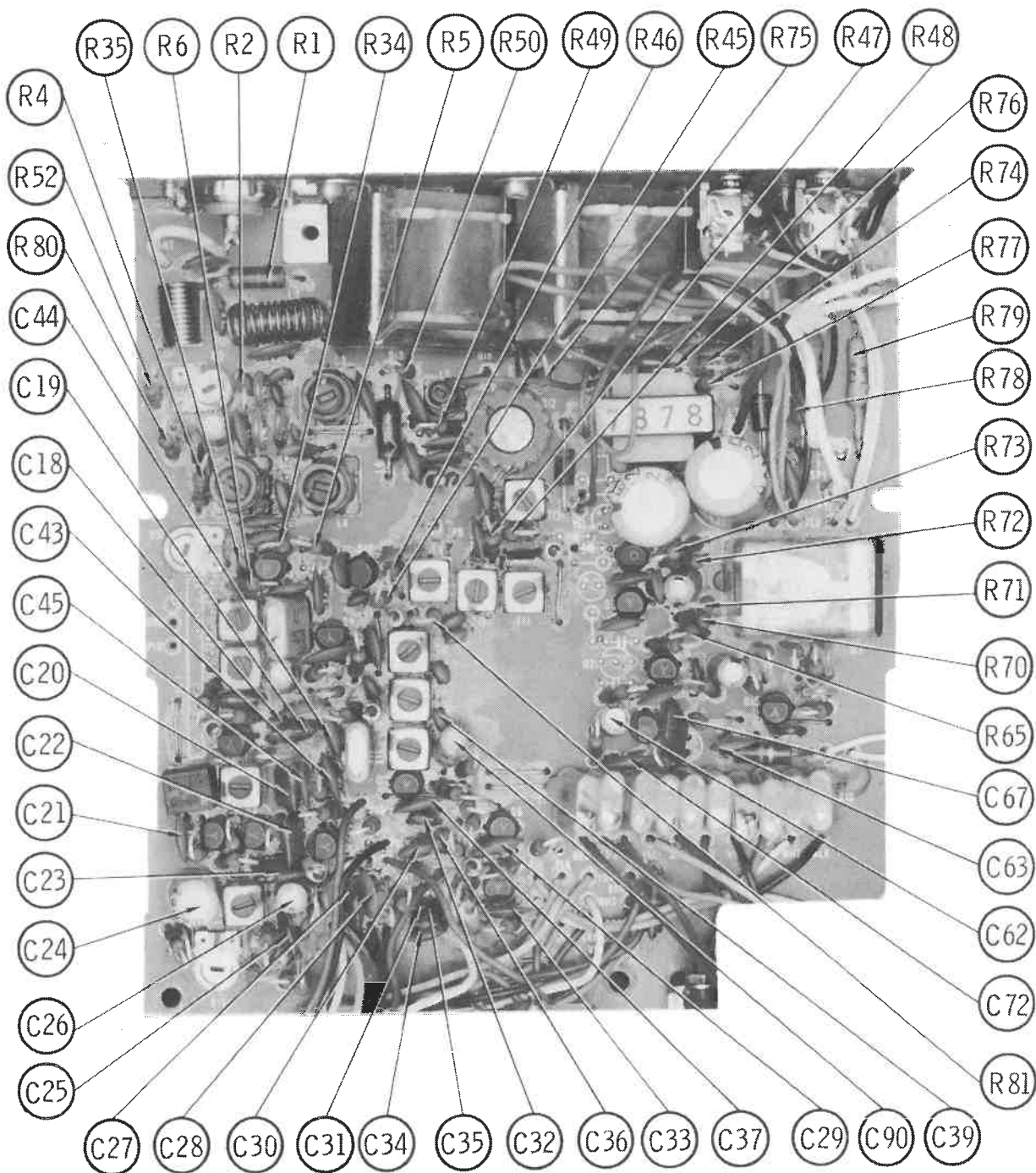
MAIN BOARD



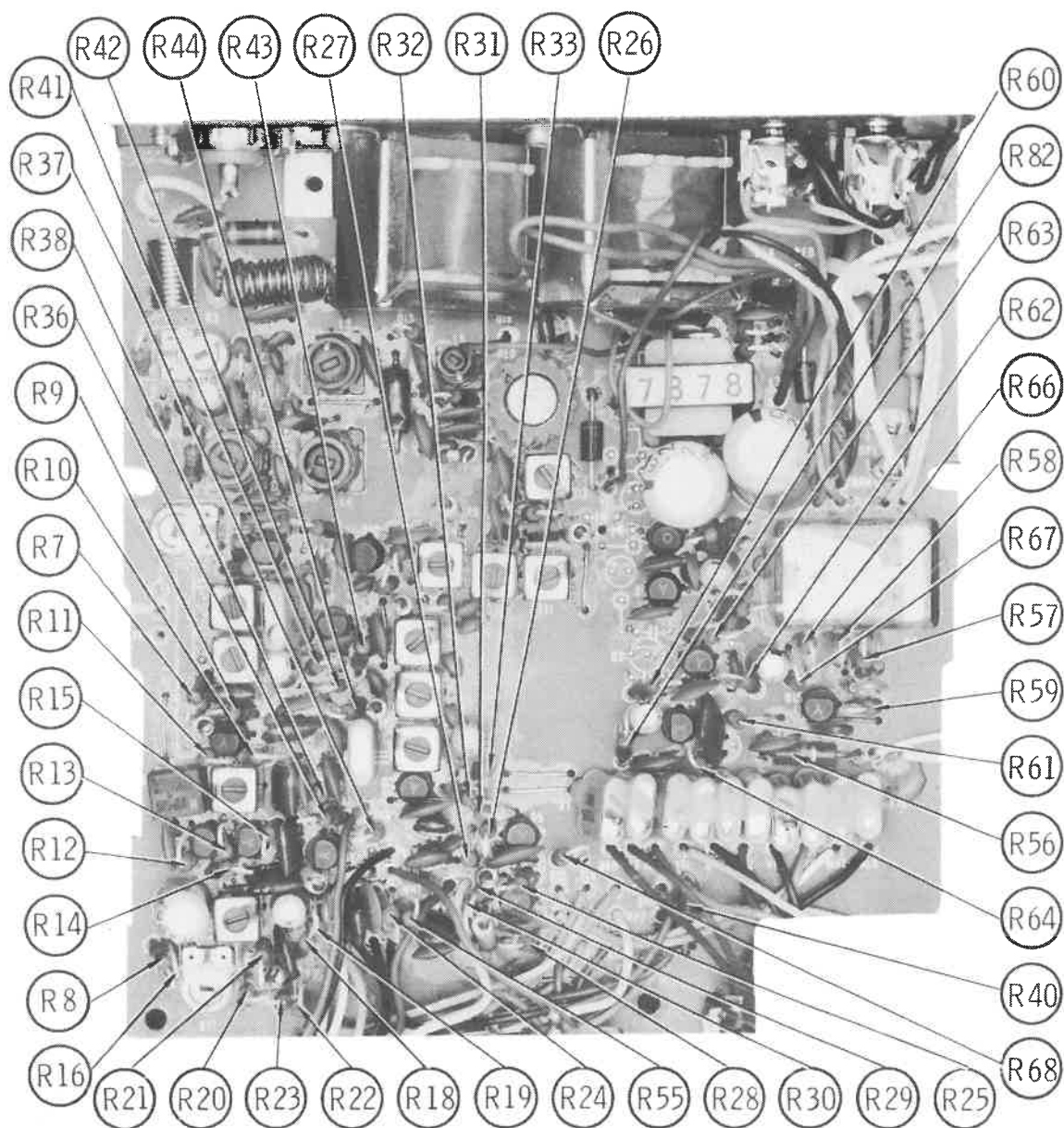
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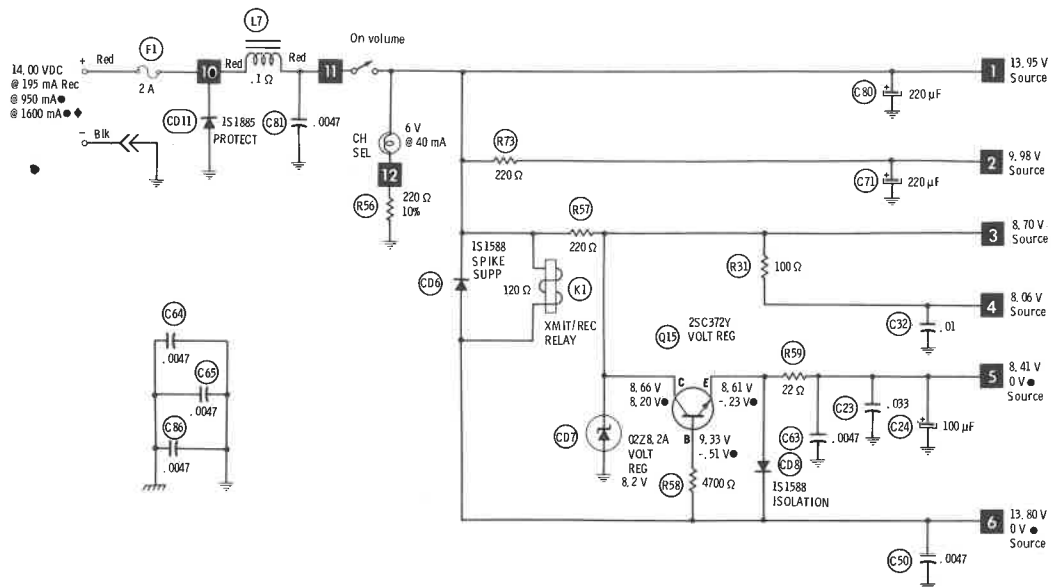
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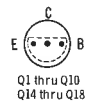
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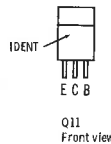
MAIN BOARD



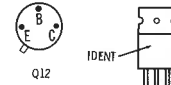
Terminal Guides
Bottom view unless noted



Q1 thru Q10
Q14 thru Q18



Q11
Front view



Q12

Q13
Q19
Q20
Front view

—*— Circuitry not used in some versions

--- Circuitry used in some versions

⊙ See parts list

✱ Nominal value

⊥ Ground

⏏ Chassis

▽ Common tie point

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®

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



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.	INTERNATIONAL RECTIFIER PART No.	MALLORY PART No.	MOTOROLA PART No.	RAYTHEON PART No.	RCA PART No.	SPRAGUE PART No.	SYLVANIA PART No.
C01	1S1588	26010057	GE-300	D200	PTC214	HEPRO602	RE 52	SK3100	RT-218	ECG177
C02	1S1588	26010057	GE-300	D200	PTC214	HEPRO602	RE 52	SK3100	RT-218	ECG177
C03	1S1588	26010057	GE-300	D200	PTC214	HEPRO602	RE 52	SK3100	RT-218	ECG177
C04	1S1588	26010057	GE-300	D200	PTC214	HEPRO602	RE 52	SK3100	RT-218	ECG177
C05	1S1588	26010057	GE-300	D200	PTC214	HEPRO602	RE 52	SK3100	RT-218	ECG177
C06	1S1588	26010057	GE-300	D200	PTC214	HEPRO602	RE 52	SK3100	RT-218	ECG177
C07	02Z8.2A	26010044	GEZD-8.2	Z1208	ZB8.2A	HEPZ0411	RE 112	SK3136	RT-257	ECG5072
C08	1S1588	26010057	GE-300	D200	PTC214	HEPRO602	RE 52	SK3100	RT-218	ECG177
C09	S3016R	26010032	GE-300	D200	PTC214	HEPRO602	RE 52	SK3100	RT-218	ECG177
C010	1S1885	26010033	GE-504A	8D4	PTC201	HEPRO052	RE 49	SK3030	RT-213	ECG116
C011	1S1885	26010033	GE-504A	8D4	PTC201	HEPRO052	RE 49	SK3030	RT-213	ECG116
C012	1S2093	26010033	GE-504A	8D4	PTC201	HEPRO052	RE 49	SK3030	RT-213	ECG116
Q1	2SC784R	26010026	GE-61	TR-24	PTC131	HEPS0016	RE 9	SK3018	RT-107A	ECG107
Q2	2SC372Y	26010020	GE-20	(1R)2SC458"B"	PTC121	HEPS0015	RE 13	SK3018	RT-105	ECG123A
Q3	2SC372Y	26010020	GE-20	(1R)2SC458"B"	PTC121	HEPS0015	RE 13	SK3018	RT-105	ECG123A
Q4	2SC372Y	26010020	GE-20	(1R)2SC458"B"	PTC121	HEPS0015	RE 13	SK3018	RT-105	ECG123A
Q5	2SC372Y	26010020	GE-20	(1R)2SC458"B"	PTC121	HEPS0015	RE 13	SK3018	RT-105	ECG123A
Q6	2SC372Y	26010020	GE-20	(1R)2SC458"B"	PTC121	HEPS0015	RE 13	SK3018	RT-105	ECG123A
Q7	2SC372Y	26010020	GE-20	(1R)2SC458"B"	PTC121	HEPS0015	RE 13	SK3018	RT-105	ECG123A
Q8	2SC372Y	26010020	GE-20	(1R)2SC458"B"	PTC121	HEPS0015	RE 13	SK3018	RT-105	ECG123A
Q9	2SC372Y	26010020	GE-20	(1R)2SC458"B"	PTC121	HEPS0015	RE 13	SK3018	RT-105	ECG123A
Q10	2SC387A	26010056	GE-86	TR-63	PTC133	HEPS0016	RE 10	SK3039	RT-108A	ECG108
Q11	2SC1166Y	26010041	GE-18	TR-63	PTC143	HEPS026	RE 17	SK3024	RT-114	ECG298
Q12	2SC482GR	26010058	GE-45	TR-65	PTC144	HEPS3001	RE 79	SK3048	RT-114	ECG195A
Q13	2SC1237	26010053	GE-215		PTC186		RE 194			ECG236
Q14	2SC372Y	26010020	GE-20	(1R)2SC458"B"	PTC121	HEPS0015	RE 13	SK3018	RT-105	ECG123A
Q15	2SC372Y	26010020	GE-20	(1R)2SC458"B"	PTC121	HEPS0015	RE 13	SK3018	RT-105	ECG123A
Q16	2SC372Y	26010020	GE-20	(1R)2SC458"B"	PTC121	HEPS0015	RE 13	SK3018	RT-105	ECG123A
Q17	2SC372Y	26010020	GE-20	(1R)2SC458"B"	PTC121	HEPS0015	RE 13	SK3018	RT-105	ECG123A
Q18	2SC735-0	26010021	GE-20	TR-21	PTC123	HEPS0014	RE 13	SK3124	RT-107A	ECG289
Q19	2SC1173Y	26010059	GE-66	TR-76	PTC110		RE 21	SK3054	RT-197	ECG152
Q20	2SC1173Y	26010059	GE-66	TR-76	PTC110		RE 21	SK3054	RT-197	ECG152

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.
C9	1 50V	26043027	RME-A-J-001	EP50-1	PC1-50	MTV1CB50	EV-1615
C16	3.3 50V	26043028	RME-B-J-005	EP50-5	PC5-50	VTT4R7A50	EV-1519
C24	100 10V	26043036	RME-E-E-100	EP15-100	PC100-10	VTT100E10	EV-1130
C26	3.3 50V	26043028	RME-B-J-005	EP50-5	PC5-50	VTT4R7A50	EV-1519
C62	1 50V	26043027	RME-A-J-001	EP50-1	PC1-50	MTV1CB50	EV-1615
C70	1 50V	26043027	RME-A-J-001	EP50-1	PC1-50	MTV1CB50	EV-1615
C71	100 16V	26043035	RME-E-E-100	EP15-100	PC100-16	VTT100F16	EV-1230
C75	1 50V	26043027	RME-A-J-001	EP50-1	PC1-50	MTV1CB50	EV-1615
C80	220 25V	26043045	RME-K-G-250	EP30-250	PC250-25	VTT220H25	EV-1340
C90	10 16V		RME-B-G-010	EP15-10	PC10-25	VTT10A25	EV-1222

CAPACITORS

ITEM No.	RATING	MFR. PART No.	REPLACEMENT DATA				
			ARCO PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.
C1	100 10%	26036048	CCD-101	DD-101	GP100	GP310	10TS-T10
C2	220 10%		CCD-221	DD-221		GP322	10TS-T22
C3	5		CCTO-050				10TCC-V50
C4	180 10%		CCD-181	DD-181		GP318	10TS-T18
C5	10		CCTO-100	DTZ-10	NP010	CN0410	10TCC-Q10
C6	150 10%		CCD-151	DD-151		CN0315	10TCC-T15
C7	15 N220						
C8	.0047		CCD-472				10TS-D47
C10	22 10% N220						
C12	33 10% N220						
C13	.0047		CCD-472				10TS-D47
C14	.0047		CCD-472				10TS-D47
C15	1						
C17	.033		6DP-3-333		DPMS6S33	CN0510	10TCC-V10
C18	10		CCTO-100	DTZ-10	NP010	EWF6133	10TS-D47
C19	.033	26036049	6DP-3-333		DPMS6S33	CN0410	10TCC-Q10
C20	.033		6DP-3-333		DPMS6S33	EWF6133	6PS-S33
C21	.0047		CCD-472		DPMS6S33	EWF6133	6PS-S33
C22	.033		6DP-3-333		DPMS6S33	EWF6133	10TS-D47
C23	.033		6DP-3-333		DPMS6S33	EWF6133	6PS-S33
C25	.01		1MDF-1-103	CPJ-103	DPMS4S1	EWF1A110	1PB-S10
C27	.015		1MDF-1-153	CPJ-153	DPMS4S15	EWF1A115	1PB-S15
C28	.0047		CCD-472				10TS-D47
C29	150 10%		CCD-151	DD-151		CN0315	10TCC-T15
C30	100 10%		CCD-101	DD-101	GP100	GP310	10TS-T10
C31	.01		1MDF-1-103	CPJ-103	DPMS4S1	EWF1A110	1PB-S10
C32	.01		1MDF-1-103	CPJ-103	DPMS4S1	EWF1A110	1PB-S10
C33	150 10%		CCD-151	DD-151		CN0315	10TCC-T15
C34	100 10%		CCD-101	DD-101	GP100	GP310	10TS-T10
C35	10		CCTO-100	DTZ-10	NP010	CN0410	10TCC-Q10
C36	5	26036024	CCTO-050				10TCC-V50
C37	150 10%		CCD-151	DD-151		CN0315	10TCC-T15
C38	.0047		CCD-472				10TS-D47
C39	1						
C40	15						
C41	.0047		CCTO-150	DTZ-15	NP015	CN0510	10TCC-V10
C42	.0047		CCD-472			CN0510	10TCC-V10
C43	150 10%		CCD-151	DD-151		CN0315	10TCC-T15
C44	100 10%		CCD-101	DD-101	GP100	GP310	10TS-T10
C45	.0047		CCD-472				10TS-D47
C46	150 10%		CCD-151	DD-151		CN0315	10TCC-T15
C47	100 10%		CCD-101	DD-101	GP100	GP310	10TS-T10

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 PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.
C48	.0047		CCD-472	DTZ-2R2	NP02P2	CN0522	10TS-D47
C49	2		CCTO-2R2				10TCC-V22
C50	.0047		CCD-472				10TS-D47
C51	22		CCTO-220	DTZ-22	NP022	CN0422	10TCC-Q22
C53	.0047		CCD-472				10TS-D47
C54	2		CCTO-2R2	DTZ-2R2	NP02P2	CN0522	10TCC-V22
C55	2		CCTO-2R2	DTZ-2R2	NP02P2	CN0522	10TCC-V22
C56	.0047		CCD-472				10TS-D47
C57	.0047		CCD-472				10TS-D47
C58	.0047		CCD-472				10TS-D47
C59	.0047		CCD-472				10TS-D47
C60	220 10%		CCD-221	DD-221		GP322	10TS-T22
C61	.0047		CCD-472				10TS-D47
C63	.0047		CCD-472				10TS-D47
C64	.0047		CCD-472				10TS-D47
C65	.0047		CCD-472				10TS-D47
C67	.033		6DP-3-333		DPMS6S33	EWF6133	6PS-S33
C68	.033		6DP-3-333		DPMS6S33	EWF6133	6PS-S33
C69	.0047		CCD-472				10TS-D47
C72	.0047		CCD-472				10TS-D47
C73	.001		CCD-102	DD-102		GP210	10TS-D10
C74	.0047		CCD-472				10TS-D47
C76	470		CCD-471	DD-471	GP470	GP347	10TS-T47
C77	.0047		CCD-472				10TS-D47
C78	.015		1MDF-1-153	CPJ-153	DPMS4S15	EWF1A115	1PB-S15
C79	.015		1MDF-1-153	CPJ-153	DPMS4S15	EWF1A115	1PB-S15
C81	.0047		CCD-472				10TS-D47
C82	.0047		CCD-472				10TS-D47
C84	.0047		CCD-472				10TS-D47
C85	.0047		CCD-472				10TS-D47
C86	.0047		CCD-472				10TS-D47
C87	.0047		CCD-472				10TS-D47
C89	.0047		CCD-472				10TS-D47

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.
R3	RF Meter	100K	26061066				
R17	"S" Meter	50K	26061078				
R51	Squelch Range	5000	26061064				
R54	Squelch	5000	26061085				
R69	Volume/Switch	50K	26061086				

RESISTORS (Power and Special)

ITEM No.	RATING	REPLACEMENT DATA		ITEM No.	RATING	REPLACEMENT DATA	
		WORKMAN PART No.	MFR. PART No.			WORKMAN PART No.	MFR. PART No.
R53	300 Co1d NTC		26069002				

COILS (RF-IF)

ITEM No.	FUNCTION	REPLACEMENT DATA			REMARKS
		PART No.	OTHER IDENTIFICATION	MILLER PART No.	
L1	Pi Filter	26025071			
L2	Pi Filter	26025071			
L3	Antenna (27MHz)	26025051			
L4	RF Input (27MHz)	26025076			
L5	Xmit Driver (27MHz)	26025074			
L6	Final	26025075			
T1	Rec Antenna (57MHz)	26025076			
T2	Rec Mixer (7.8MHz)	26025042			
T3	Rec Mixer (7.8MHz)	26025047			
T4	Input IF (455kHz)	26027016			
T5	Output IF (455kHz)	26027008			
T6	Harmonic Sup. (19MHz)	26025077			
T7	Harmonic Sup. (19MHz)	26025049			
T8	Synth Out (19MHz)	26025049			
T9	Harmonic Sup. (27MHz)	26025078			
T10	Harmonic Sup. (27MHz)	26025079			
T11	Xmit Mixer (27MHz)	26025079			
T12	Xmit Buffer (27MHz)	26025079			

PARTS LIST AND DESCRIPTION (CONTINUED)

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

CAPACITORS (cont)

RCA PART No.	SPRAGUE PART No.	SYLVANIA PART No.
SK3100	RT-218	ECG177
SK3100	RT-218	ECG177
SK3100	RT-218	ECG177
SK3100	RT-218	ECG177
SK3100	RT-218	ECG177
SK3136	RT-257	ECG5072
SK3100	RT-218	ECG177
SK3100	RT-218	ECG177
SK3030	RT-213	ECG116
SK3030	RT-213	ECG116
SK3018	RT-107A	ECG107
SK3018	RT-105	ECG123A
SK3018	RT-105	ECG123A
SK3018	RT-105	ECG123A
SK3018	RT-105	ECG123A
SK3018	RT-105	ECG123A
SK3018	RT-105	ECG123A
SK3018	RT-105	ECG123A
SK3039	RT-108A	ECG108
SK3024	RT-114	ECG298
SK3048	RT-114	ECG195A
		ECG236
SK3018	RT-105	ECG123A
SK3018	RT-105	ECG123A
SK3018	RT-105	ECG123A
SK3018	RT-105	ECG123A
SK3124	RT-107A	ECG289
SK3054	RT-197	ECG152
SK3054	RT-197	ECG152

MALLORY PART No.	SPRAGUE PART No.
MTVICB50	EV-1615
VTT4R7A50	EV-1519
VTT100E10	EV-1130
VTT4R7A50	EV-1519
MTVICB50	EV-1615
MTVICB50	EV-1615
VTT100F16	EV-1230
MTVICB50	EV-1615
VTT220H25	EV-1340
VTT10A25	EV-1222

DATA	MALLORY PART No.	SPRAGUE PART No.
GP310		10TS-T10
GP322		10TS-T22
		10TCC-V50
GP318		10TS-T18
CN0410		10TCC-Q10
CN0315		10TCC-T15
		10TS-D47
		10TS-D47
		10TS-D47
CN0510		10TCC-V10
EWf6133		6PS-S33
CN0410		10TCC-Q10
EWf6133		6PS-S33
EWf6133		6PS-S33
EWf6133		10TS-D47
EWf6133		6PS-S33
EWf1A110		1PB-S10
EWf1A115		1PB-S15
		10TS-D47
CN0315		10TCC-T15
GP310		10TS-T10
EWf1A110		1PB-S10
EWf1A110		1PB-S10
CN0315		10TCC-T15
GP310		10TS-T10
CN0410		10TCC-Q10
		10TCC-V50
CN0315		10TCC-T15
		10TS-D47
CN0510		10TCC-V10
CN0510		10TCC-V10
CN0415		10TCC-Q15
		10TS-D47
CN0315		10TCC-T15
GP310		10TS-T10
		10TS-D47
CN0315		10TCC-T15
GP310		10TS-T10

ITEM No.	RATING	MFG. PART No.	REPLACEMENT DATA				
			ARCO PART No.	CENTRALAB PART No.	CORNELL- DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.
C48	.0047		CCD-472				10TS-D47
C49	2		CCT0-2R2	DTZ-2R2	NP02P2	CN0522	10TCC-V22
C50	.0047		CCD-472				10TS-D47
C51	22		CCT0-220	DTZ-22	NP022	CN0422	10TCC-Q22
C53	.0047		CCD-472				10TS-D47
C54	2		CCT0-2R2	DTZ-2R2	NP02P2	CN0522	10TCC-V22
C55	2		CCT0-2R2	DTZ-2R2	NP02P2	CN0522	10TCC-V22
C56	.0047		CCD-472				10TS-D47
C57	.0047		CCD-472				10TS-D47
C58	.0047		CCD-472				10TS-D47
C59	.0047		CCD-472				10TS-D47
C60	220 10%		CCD-221	DD-221		GP322	10TS-T22
C61	.0047		CCD-472				10TS-D47
C63	.0047		CCD-472				10TS-D47
C64	.0047		CCD-472				10TS-D47
C65	.0047		CCD-472				10TS-D47
C67	.033		6DP-3-333				10TS-D47
C68	.033		6DP-3-333		DPMS6S33	EWf6133	6PS-S33
C69	.0047		CCD-472		DPMS6S33	EWf6133	6PS-S33
C72	.0047		CCD-472				10TS-D47
C73	.001		CCD-102	DD-102		GP210	10TS-D10
C74	.0047		CCD-472				10TS-D47
C76	470		CCD-471	DD-471	GP470	GP347	10TS-T47
C77	.0047		CCD-472				10TS-D47
C78	.015		1MDF-1-153	CPJ-153	DPMS4S15	EWf1A115	1PB-S15
C79	.015		1MDF-1-153	CPJ-153	DPMS4S15	EWf1A115	1PB-S15
C81	.0047		CCD-472				10TS-D47
C82	.0047		CCD-472				10TS-D47
C84	.0047		CCD-472				10TS-D47
C85	.0047		CCD-472				10TS-D47
C86	.0047		CCD-472				10TS-D47
C87	.0047		CCD-472				10TS-D47
C89	.0047		CCD-472				10TS-D47

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

ITEM No.	FUNCTION	RESIST- ANCE	REPLACEMENT DATA				
			MFG. PART No.	CENTRALAB PART No.	CLAROSTAT PART No.	MALLORY PART No.	TRW PART No.
R3	RF Meter	100K	26061066				
R17	"S" Meter	50K	26061078				
R51	Squelch Range	5000	26061064				
R54	Squelch	5000	26061085				
R69	Volume/Switch	50K	26061086				

RESISTORS (Power and Special)

ITEM No.	RATING	REPLACEMENT DATA		ITEM No.	RATING	REPLACEMENT DATA	
		WORKMAN PART No.	MFG. PART No.			WORKMAN PART No.	MFG. PART No.
R53	300 Cold NTC		26069002				

COILS (RF-IF)

ITEM No.	FUNCTION	REPLACEMENT DATA			REMARKS
		PART No.	OTHER IDENTIFICATION	MILLER PART No.	
L1	Pi Filter	26025071			
L2	Pi Filter	26025071			
L3	Antenna (27MHz)	26025051			
L4	RF Input (27MHz)	26025076			
L5	Xmit Driver (27MHz)	26025074			
L6	Final	26025075			
T1	Rec Antenna (57MHz)	26025076			
T2	Rec Mixer (7.8MHz)	26025042			
T3	Rec Mixer (7.8MHz)	26025047			
T4	Input IF (455kHz)	26027016			
T5	Output IF (455kHz)	26027008			
T6	Harmonic Sup. (19MHz)	26025077			
T7	Harmonic Sup. (19MHz)	26025049			
T8	Synth Out (19MHz)	26025049			
T9	Harmonic Sup. (27MHz)	26025078			
T10	Harmonic Sup. (27MHz)	26025079			
T11	Xmit Mixer (27MHz)	26025079			
T12	Xmit Buffer (27MHz)	26025079			

FILTER CHOKE

ITEM No.	RATINGS			REPLACEMENT DATA			NOTES
	CURRENT (Measured)	DC RES.	INDUCTANCE (0 CURRENT 1000~)	MFG. PART No.	THORDARSON PART No.	TRIAD PART No.	
L7	1600mA	.1	1mH	26025073 9013 (1)			(1) Number on unit.

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	MFG. PART No.	THORDARSON PART No.	TRIAD PART No.	
T13	2	1		26022010 7378 (1)			(1) Number on unit.

TRANSFORMER (Audio Output)

ITEM No.	IMPEDANCE		REPLACEMENT DATA			NOTES
	PRI.	SEC.	MFG. PART No.	THORDARSON PART No.	TRIAD PART No.	
T14	32	8	26023016 4312 (1)			(1) Number on unit.

SPEAKER

ITEM No.	TYPE	REPLACEMENT DATA		NOTES
		MFG. PART No.	QUAM PART No.	
SP1	2 5/8" X 4" PM 8 Ohms	26015280		

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 Amp Fast Acting	26014024	26016048	AGC2	HDJ	312002	150145	FG2-2

CRYSTALS

ITEM No.	CRYSTAL FREQUENCY IN MHz	MFG. PART No.	CTS KNIGHTS PART No.	CHANNEL	ITEM No.	CRYSTAL FREQUENCY IN MHz	MFG. PART No.	CTS KNIGHTS PART No.	CHANNEL
X1	11.705	26015264	A0A90W11.705	1,2,3,4	X7	7.460	26015270	A0B90W7.460	1,5,9,13,17,21
X2	11.755	26015265	A0A90W11.755	5,6,7,8	X8	7.470	26015271	A0B90W7.470	2,6,10,14,18,22
X3	11.805	26015266	A0A90W11.805	9,10,11,12	X9	7.480	26015272	A0B90W7.480	3,7,11,15,19
X4	11.855	26015267	A0A90W11.855	13,14,15,16	X10	7.500	26015273	A0B90W7.500	4,8,12,16,20,23
X5	11.905	26015268	A0A90W11.905	17,18,19,20	X11	7.345	26015274	A0C90W7.345	Rec Osc
X6	11.955	26015269	A0A90W11.955	21,22,23	X12	7.800	26015275	A0C90W7.800	Xmit. Osc

MISCELLANEOUS

ITEM No.	PART NAME	PART No.	NOTES
U1	Ceramic Filter	26019007	455kHz (CFU455HA)
M1	Meter	26019016	200uA
K1	Relay	26014070	120 ohm
S1	Switch	26014069	ANL
S2	Switch	26014071	Channel Selector
S3	Switch	26014069	PA/CB

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

ITEM	PART No.	ITEM	PART No.
Dial, Channel Indicator	26082004	Knob, Volume/Squelch	26086025
Knob, Channel Selector	26086024	Mobile Mounting Bracket	26074097

ACCESSORIES

ITEM	MFG. PART No.	REMARKS
Microphone	26015092	Dynamic
DC Power Cord	26017007	

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