



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 TRC-440 (21-1540)

MANUFACTURER'S SPECIFICATIONS

STANDARD TEST CONDITIONS

Power supply voltage	AC 120 V, 60 Hz
Modulation	1000 Hz, 30%
Receiver output power	500 mW at external SP.
Receiver output impedance	8 ohms, non-inductive
Ant. load impedance of transmitter	50 ohms, non-inductive
Ambient conditions	
temperature	17 to 23°C
humidity	40 to 70%

TRANSMITTER SPECIFICATIONS

Description	Nominal	Limit
RF power output	3.5 watts (4 watts max.)	3 - 4 watts
Emission	8A3	
Modulation Capabilities	+90%, -100%	
AMC Range at 1 kHz	56 dB	> 50 dB
Frequency accuracy	0.002%	0.005%
Spurious radiation & Harmonic		
signal radiation ratio from fundamental	At least -65 dB	-60 dB
Current consumption		
unmodulated	1200 mA	1800 mA
max. modulated	1800 mA	2000 mA
Envelope distortion	3-8% max. 1000 Hz, 50% mod.	
Hum and Noise level	40 dB min. below max. mod.	
Stability against variation of antenna impedance	Satisfactory when dummy antenna is varied from 40 ohms to 200 ohms.	

Courtesy of the Manufacturer

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

© 1978 Howard W. Sams & Co., Inc. Printed in U. S. of America 8CE831

REALISTIC MODEL TRC-440

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 13.8-volt DC output from AC power supply. Connect low sides of test equipment to ground unless specified otherwise. Connect 50-ohm dummy load or antenna before keying transmitter. Connect microphone.

Suggested Alignment Tools:

L1, L2, L5 thru L11, L108, L110, T101, T102 ..	GC ELECTRONICS: 9440
T103 thru T106	5000,5009,8276,8728,8728A
L104, L106	8282,9304,8728,8728A
L102	9300,9302,9304
CT1, CT2	5000,8276

SYNTHESIZER ALIGNMENT

TEST EQUIPMENT	TRANSCEIVER	ADJUST	REMARKS
Input of oscilloscope to TP1.	Ch. 19	L1,L11	Adjust for maximum RF output.
Input of frequency counter to TP1.	Ch. 19	CT1	Adjust for 10.240MHz $\pm$ 50Hz.
Input of frequency counter to TP3 (IC1 Pin 9).	Ch. 19		Check for 5.120MHz.
Input of oscilloscope to TP4 (L5 Secondary).	Ch. 19	L5	Adjust for most symmetrical square wave.
Input of frequency counter to TP4 (L5 Secondary).	Ch. 19		Check for 15.360MHz.
Input of DC meter to FC.	Ch. 1	L2	Adjust for 1.20 volts.
Input of frequency counter to TP5 (IC1 Pin 13).	Ch. 1		Check for .910MHz. Check all channels. (See Truth Chart for correct frequencies.)
Input of oscilloscope to TP2.	Ch. 19	L7	Adjust for maximum RF output.
Input of frequency counter to TP2.	Ch. 1		Check for 16.270MHz. Check all channels. (See Truth Chart for correct frequencies.)
Input of oscilloscope to TP6 (IC2 Pin 11).	Ch. 19 XMT	L6	Adjust for maximum RF output.
Input of frequency counter to TP6 (IC2 Pin 11).	Ch. 19 XMT	CT2	Adjust for 10.695MHz.
Input of oscilloscope to TP7 (L10 Secondary).	Ch. 19 XMT	L8,L9,L0	Adjust for maximum RF output.
Input of frequency counter to TP7 (L10 Secondary).	Ch. 1 XMT		Check for 26.965MHz. Check all channels. (See Truth Chart for correct frequencies.)

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.
Squelch MINIMUM.

TEST EQUIPMENT	TRANSCEIVER	ADJUST	REMARKS
Output of signal generator thru .01uF to TP8 (junction of R111 & R112). 455kHz, 1000Hz @ 30% modulation.	Ch. 19	T106,T105, T104	Adjust for maximum output.
Output of signal generator thru .01uF to antenna input. 27.185MHz, 1000Hz @ 30% modulation.	Ch. 19	T103,T102, T101,L101	Adjust for maximum output. If necessary, readjust T104, T105 and T106 for maximum.

RECEIVER ADJUSTMENTS

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

TEST EQUIPMENT	TRANSCEIVER	ADJUST	REMARKS
Output of signal generator thru .01uF to antenna input. 27.185MHz, 1000Hz @ 30% modulation. Output .125uV.	Ch. 19 Volume Maximum	VR1	IF GAIN Adjust for 2.0 volts audio output.
Output of signal generator thru .01uF to antenna input. 27.185MHz, 1000Hz @ 30% modulation. Output 400uV.	Ch. 19 Squelch Maximum	VR4	SQUELCH RANGE Adjust so that squelch just breaks.
Output of signal generator thru .01uF to antenna input. 27.185MHz, 1000Hz @ 30% modulation. Output 100uV.	Ch. 19	VR6	S METER Adjust for 9 on S Unit scale of meter.

REALISTIC MODEL TRC-440

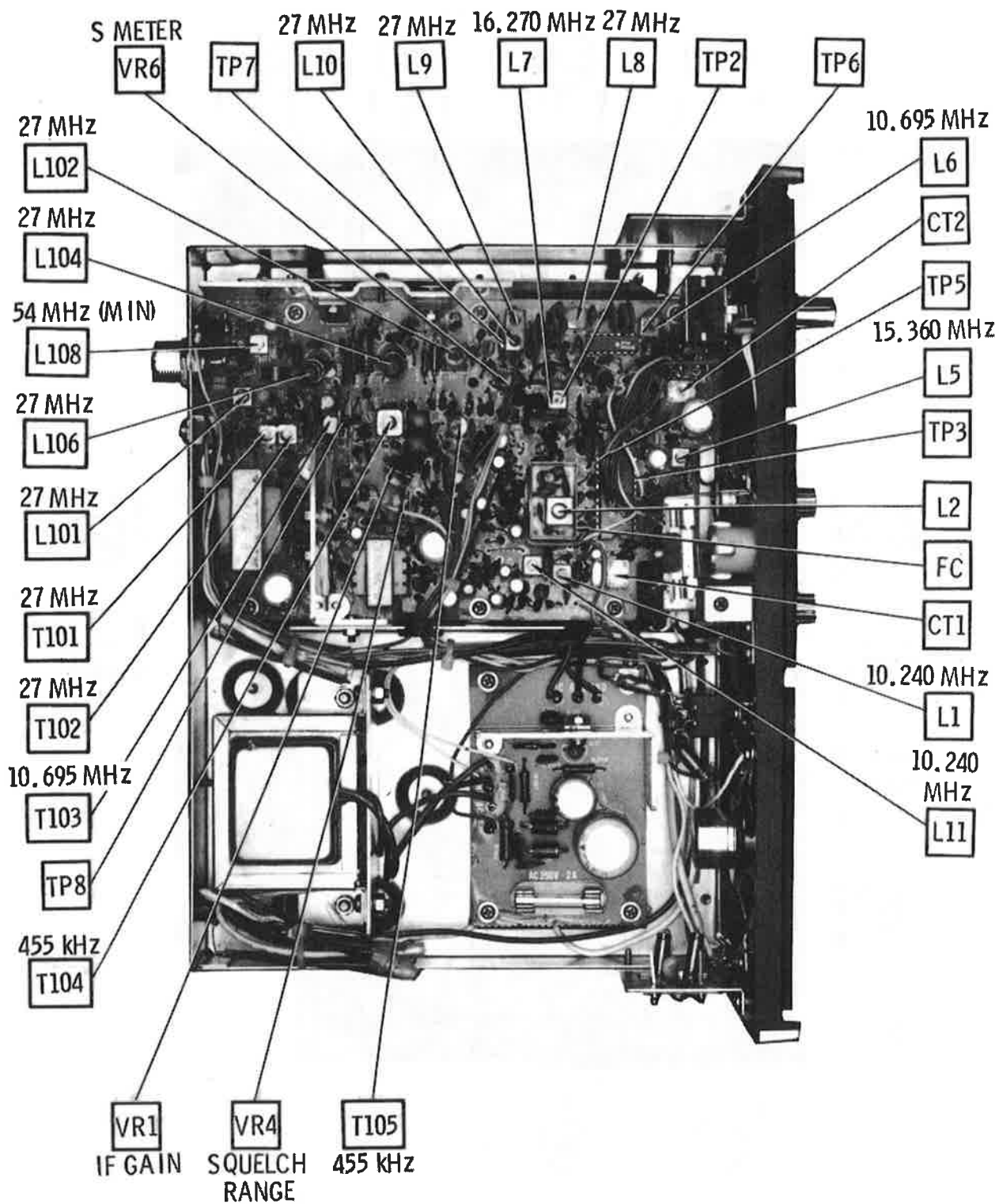
TRANSMITTER ALIGNMENT

Connect an RF wattmeter and 50-ohm, 25-watt dummy load to antenna connector.
NOTE: Be sure to check transmit frequency and power on all active channels
after alignment of transmitter.
See page 4 for channel frequencies.

TEST EQUIPMENT	TRANSCEIVER	ADJUST	REMARKS
Input of RF wattmeter and 50-ohm, 25-watt dummy load to antenna input.	Ch. 19	L102,L104, L106	Adjust for 4.0 watts RF output maximum.
Input of spectrum analyzer or harmonic meter to antenna input.	Ch. 19	L108	Adjust for MINIMUM at 54MHz (2nd harmonic).

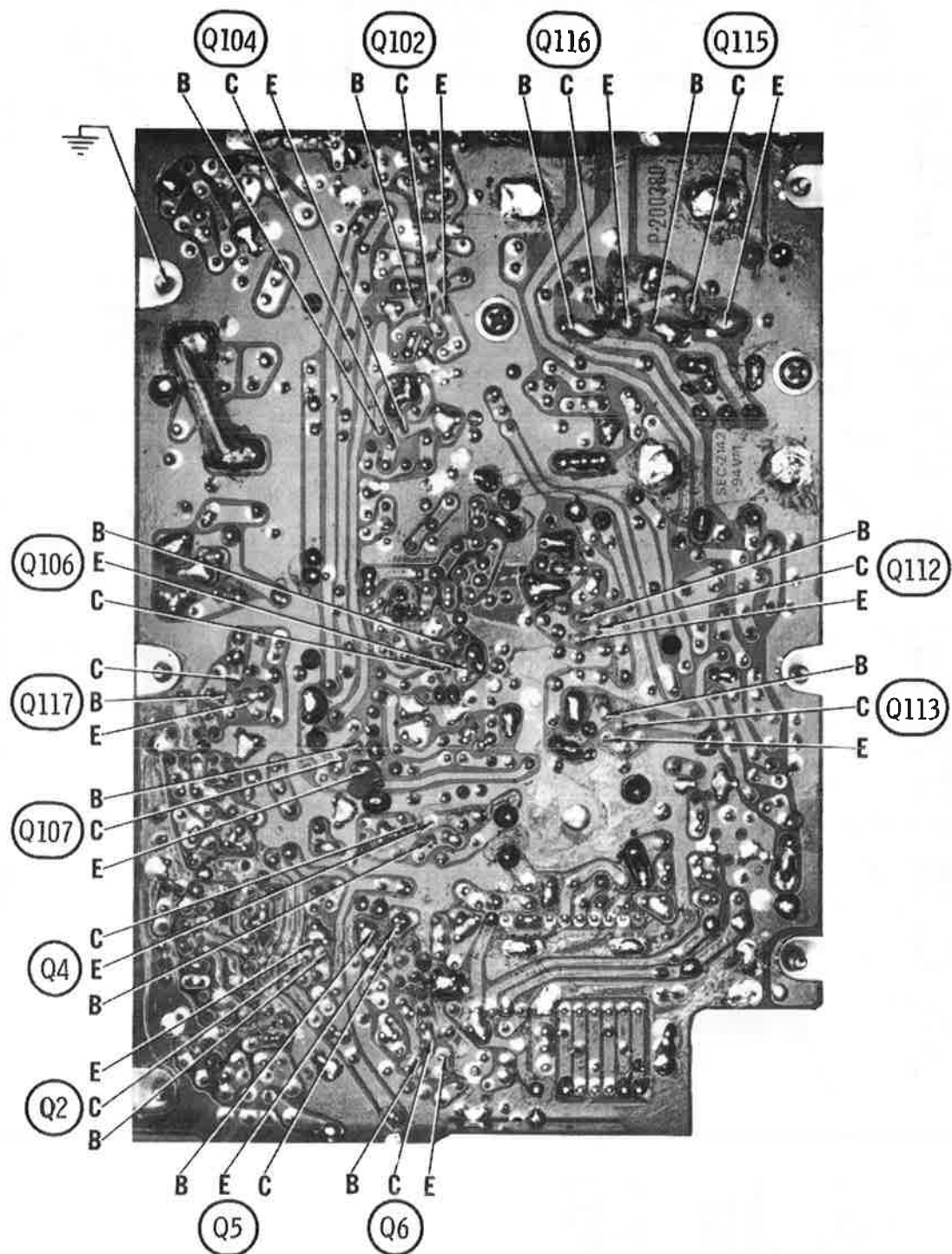
TRUTH CHART

C H A N N E L	1 = 5.25 Volts 0 = 0 Volts							DIVIDER INPUT IN MHz AT TP5	REC SYNTH OUTPUT IN MHz AT TP2	XMT SYNTH OUTPUT IN MHz AT TP7	
	IC1 PROGRAM DIVIDER										
	PINS										
	6	5	4	3	2	1					
1	0	0	0	0	0	1			.910	16.270	26.965
2	0	0	0	0	1	0			.920	16.280	26.975
3	0	0	0	0	1	1			.930	16.290	26.985
4	0	0	0	1	0	0			.950	16.310	27.005
5	0	0	0	1	0	1			.960	16.320	27.015
6	0	0	0	1	1	0			.970	16.330	27.025
7	0	0	0	1	1	1			.980	16.340	27.035
8	0	0	1	0	0	0			1.000	16.360	27.055
9	0	0	1	0	0	1			1.010	16.370	27.065
10	0	1	0	0	0	0			1.020	16.380	27.075
11	0	1	0	0	0	1			1.030	16.390	27.085
12	0	1	0	0	1	0			1.050	16.410	27.105
13	0	1	0	0	1	1			1.060	16.420	27.115
14	0	1	0	1	0	0			1.070	16.430	27.125
15	0	1	0	1	0	1			1.080	16.440	27.135
16	0	1	0	1	1	0			1.100	16.460	27.155
17	0	1	0	1	1	1			1.110	16.470	27.165
18	0	1	1	0	0	0			1.120	16.480	27.175
19	0	1	1	0	0	1			1.130	16.490	27.185
20	1	0	0	0	0	0			1.150	16.510	27.205
21	1	0	0	0	0	1			1.160	16.520	27.215
22	1	0	0	0	1	0			1.170	16.530	27.225
23	1	0	0	0	1	1			1.200	16.560	27.255
24	1	0	0	1	0	0			1.180	16.540	27.235
25	1	0	0	1	0	1			1.190	16.550	27.245
26	1	0	0	1	1	0			1.210	16.570	27.265
27	1	0	0	1	1	1			1.220	16.580	27.275
28	1	0	1	0	0	0			1.230	16.590	27.285
29	1	0	1	0	0	1			1.240	16.600	27.295
30	1	1	0	0	0	0			1.250	16.610	27.305
31	1	1	0	0	0	1			1.260	16.620	27.315
32	1	1	0	0	1	0			1.270	16.630	27.325
33	1	1	0	0	1	1			1.280	16.640	27.335
34	1	1	0	1	0	0			1.290	16.650	27.345
35	1	1	0	1	0	1			1.300	16.660	27.355
36	1	1	0	1	1	0			1.310	16.670	27.365
37	1	1	0	1	1	1			1.320	16.680	27.375
38	1	1	1	0	0	0			1.330	16.690	27.385
39	1	1	1	0	0	1			1.340	16.700	27.395
40	0	0	0	0	0	0			1.350	16.710	27.405

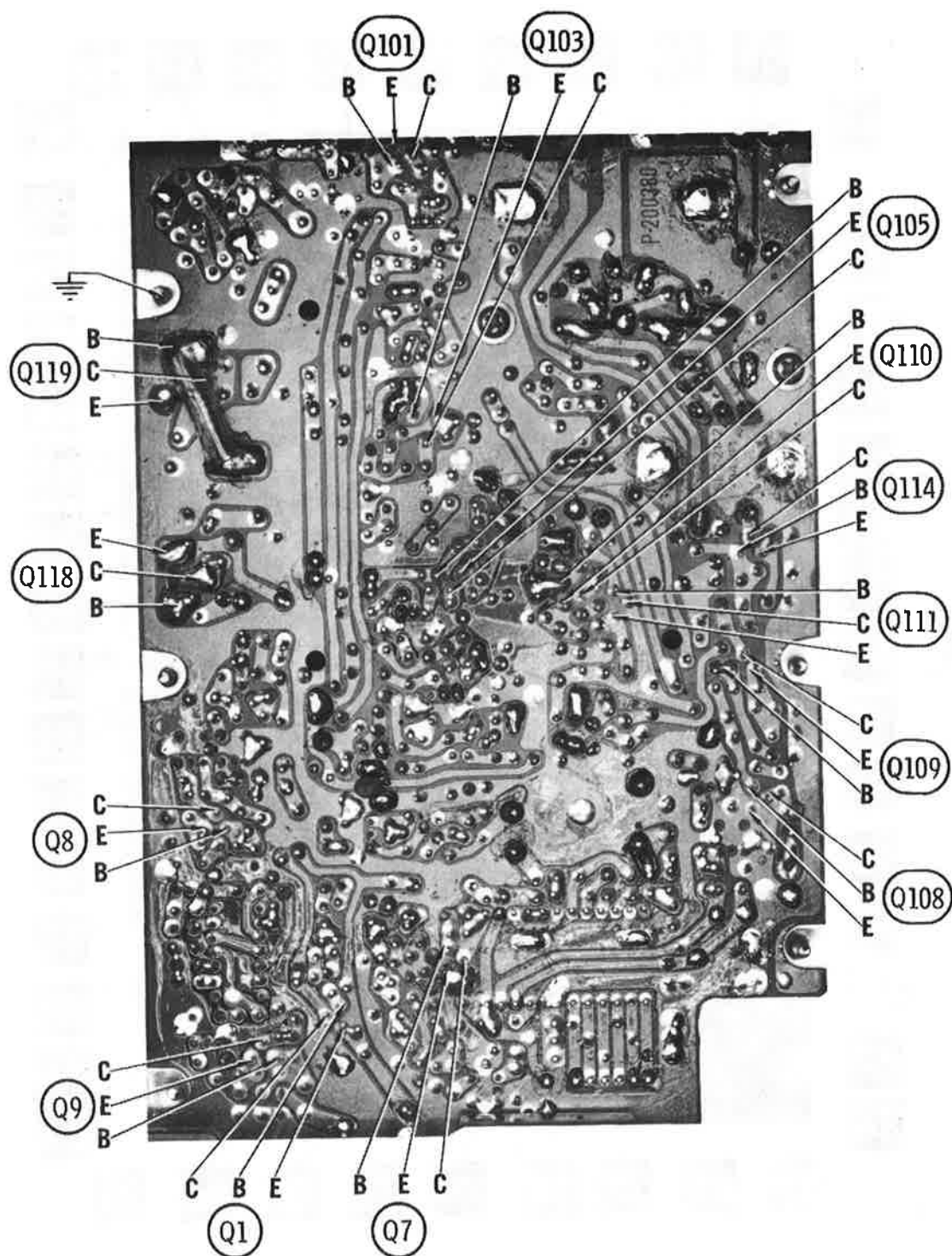


REALISTIC MODEL TRC-440

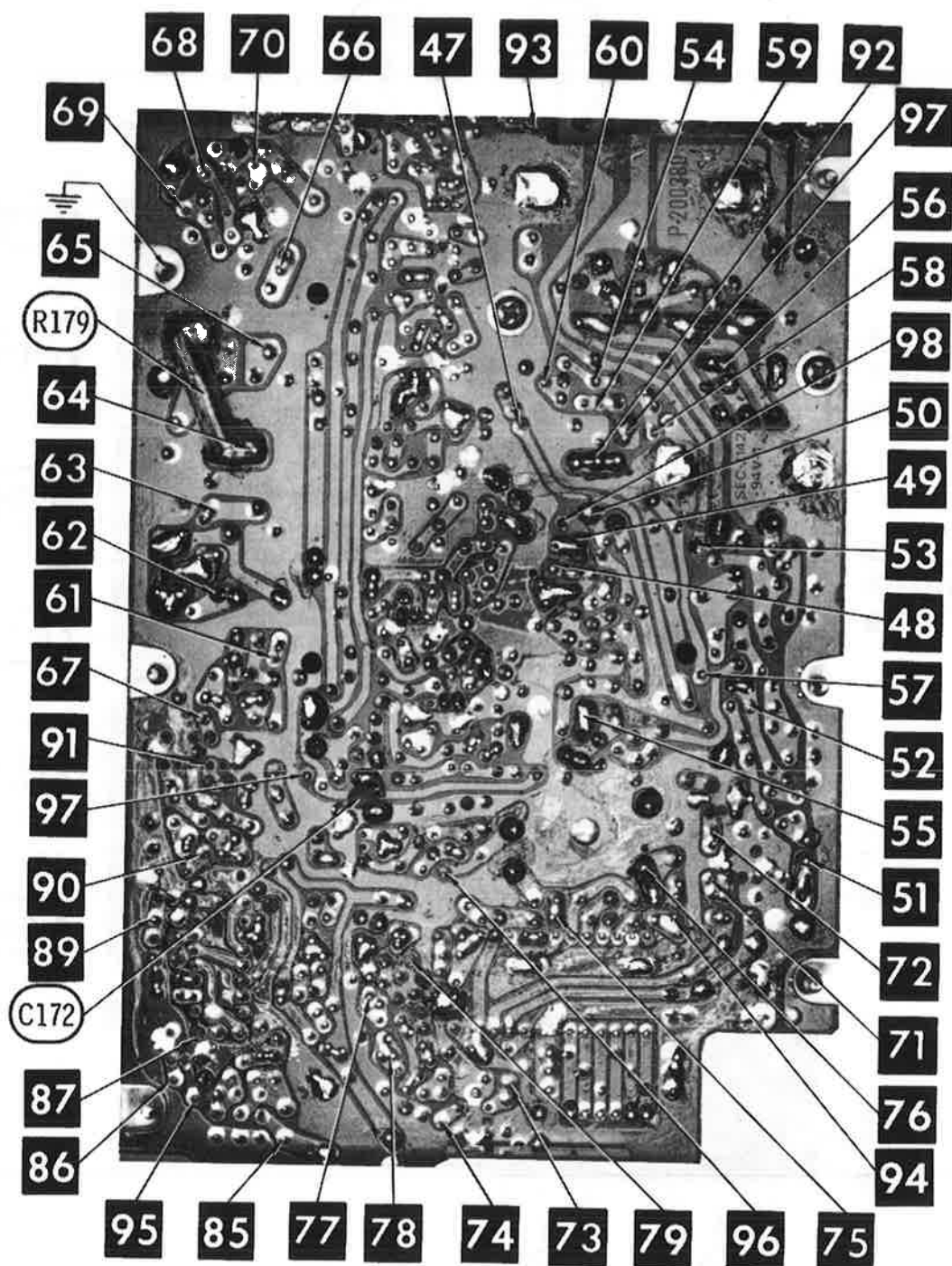
CHASSIS - TOP



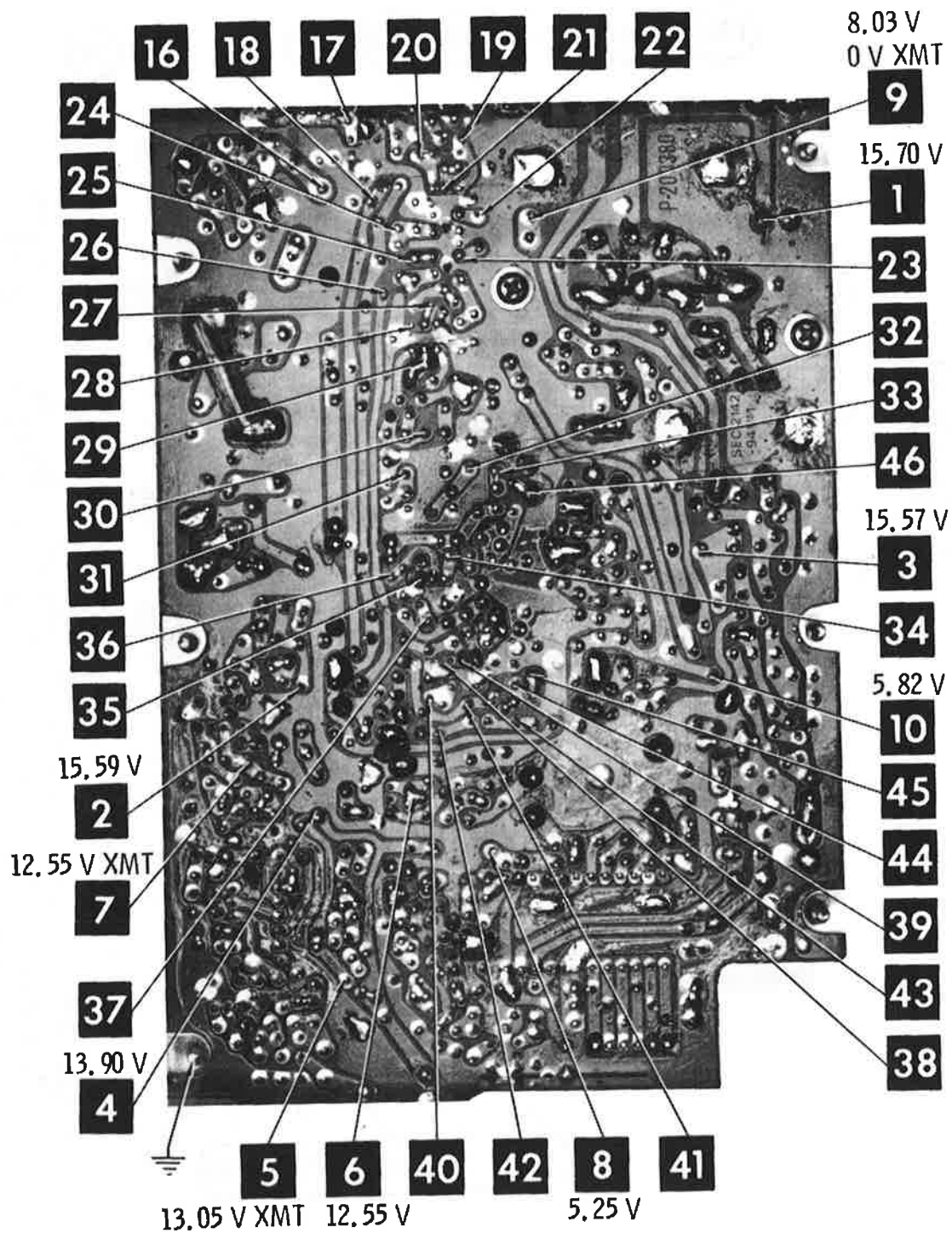
MAIN BOARD



MAIN BOARD

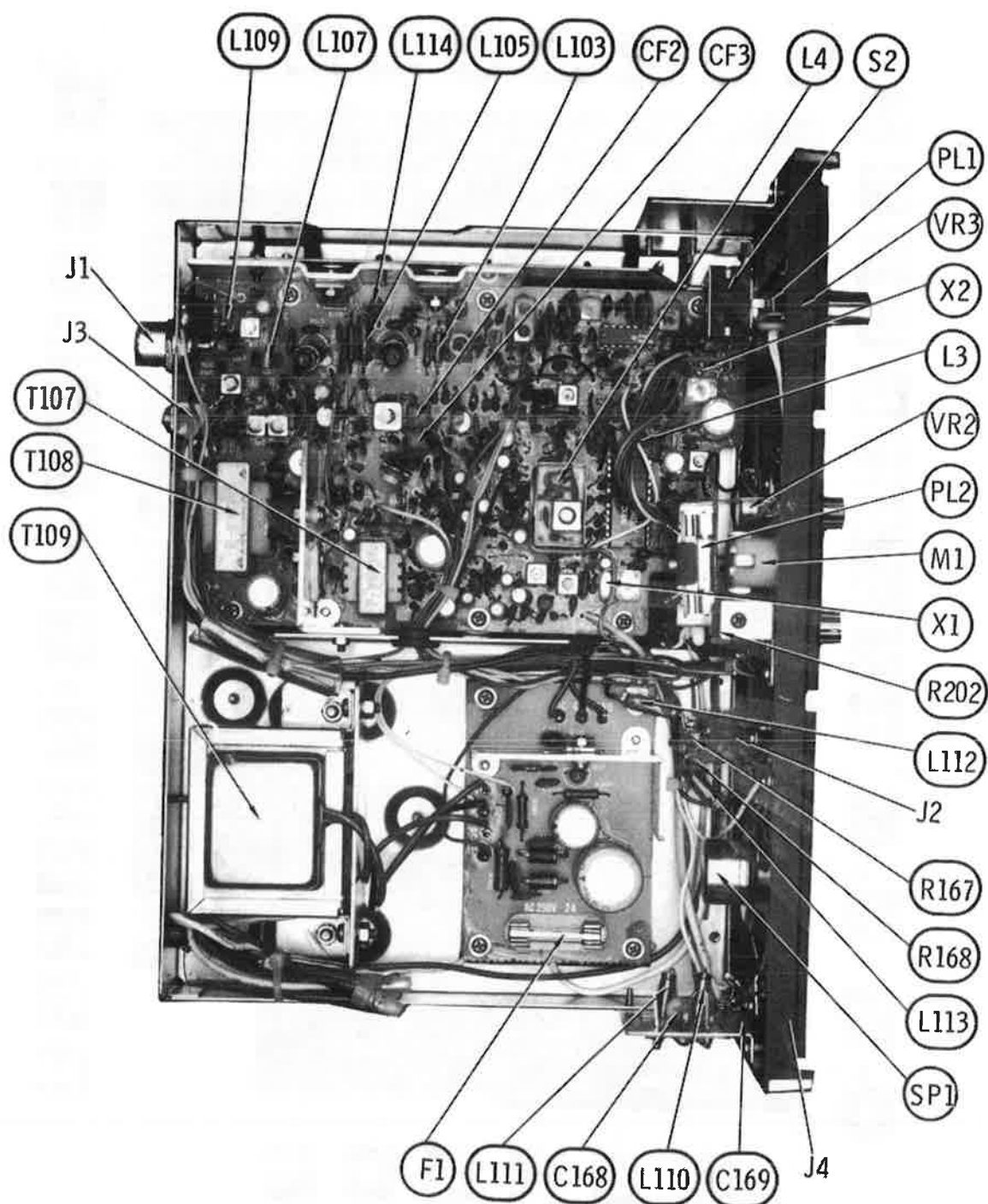


MAIN BOARD

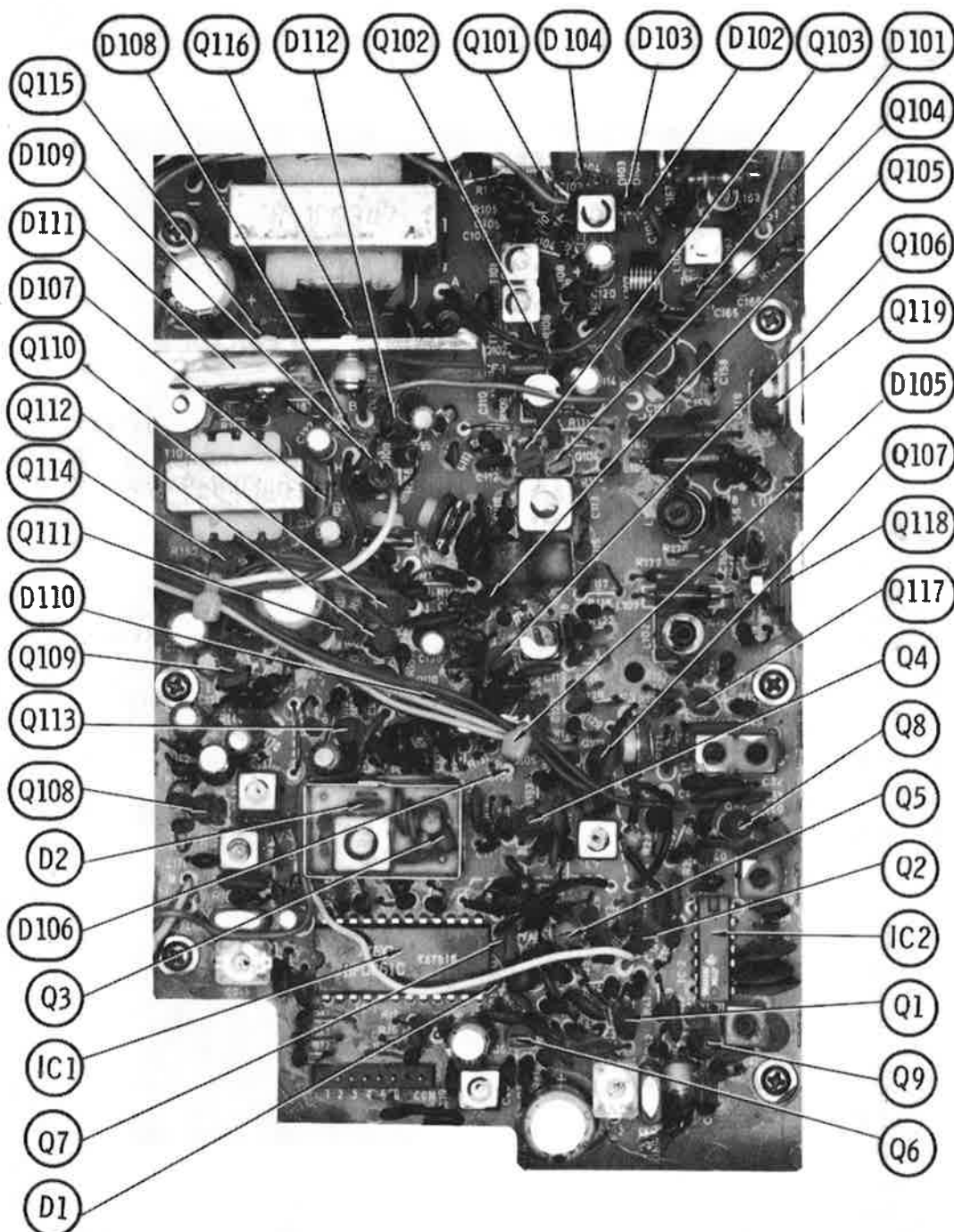


REALISTIC MODEL TRC-440

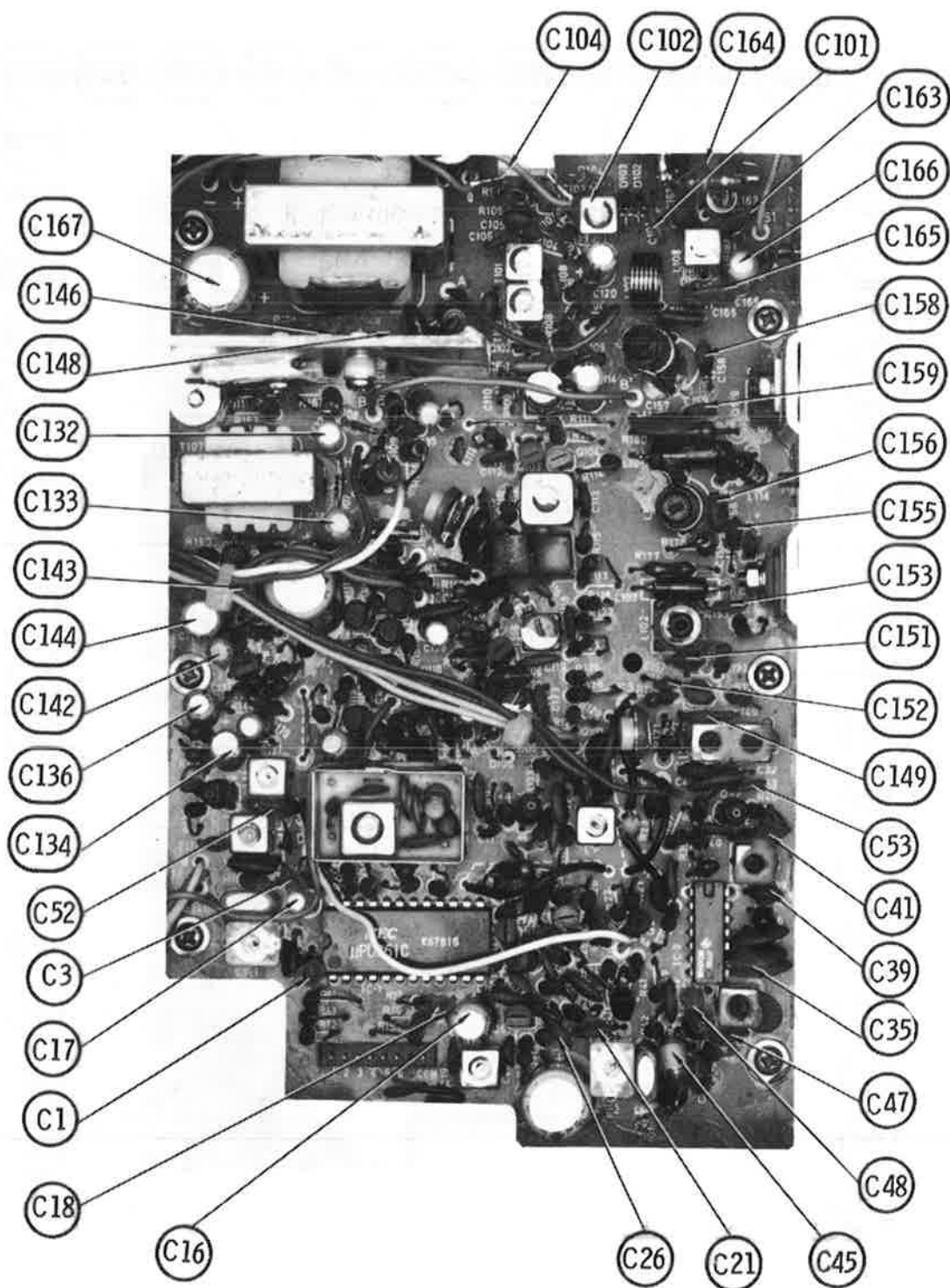
MAIN BOARD



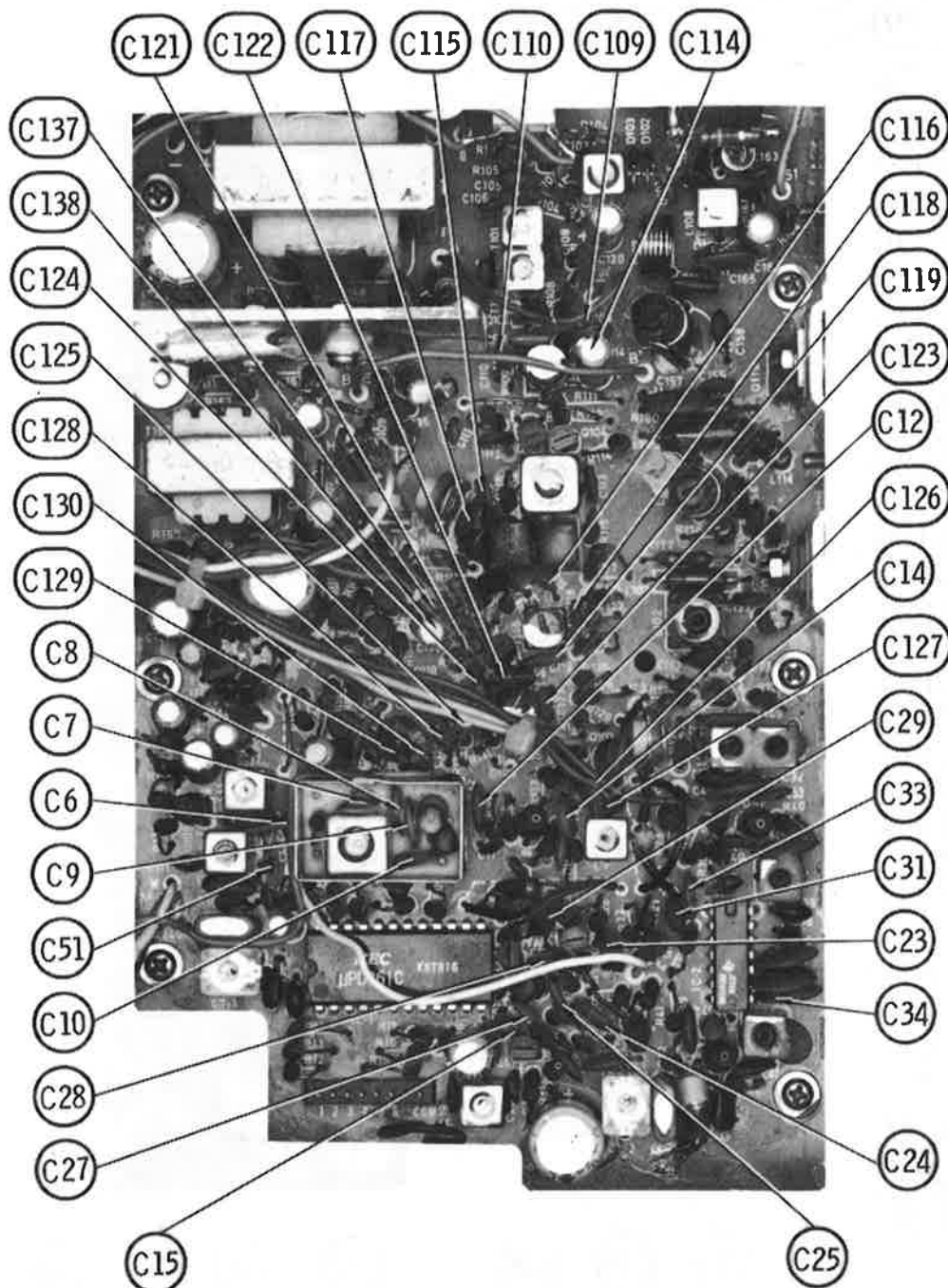
CHASSIS - TOP



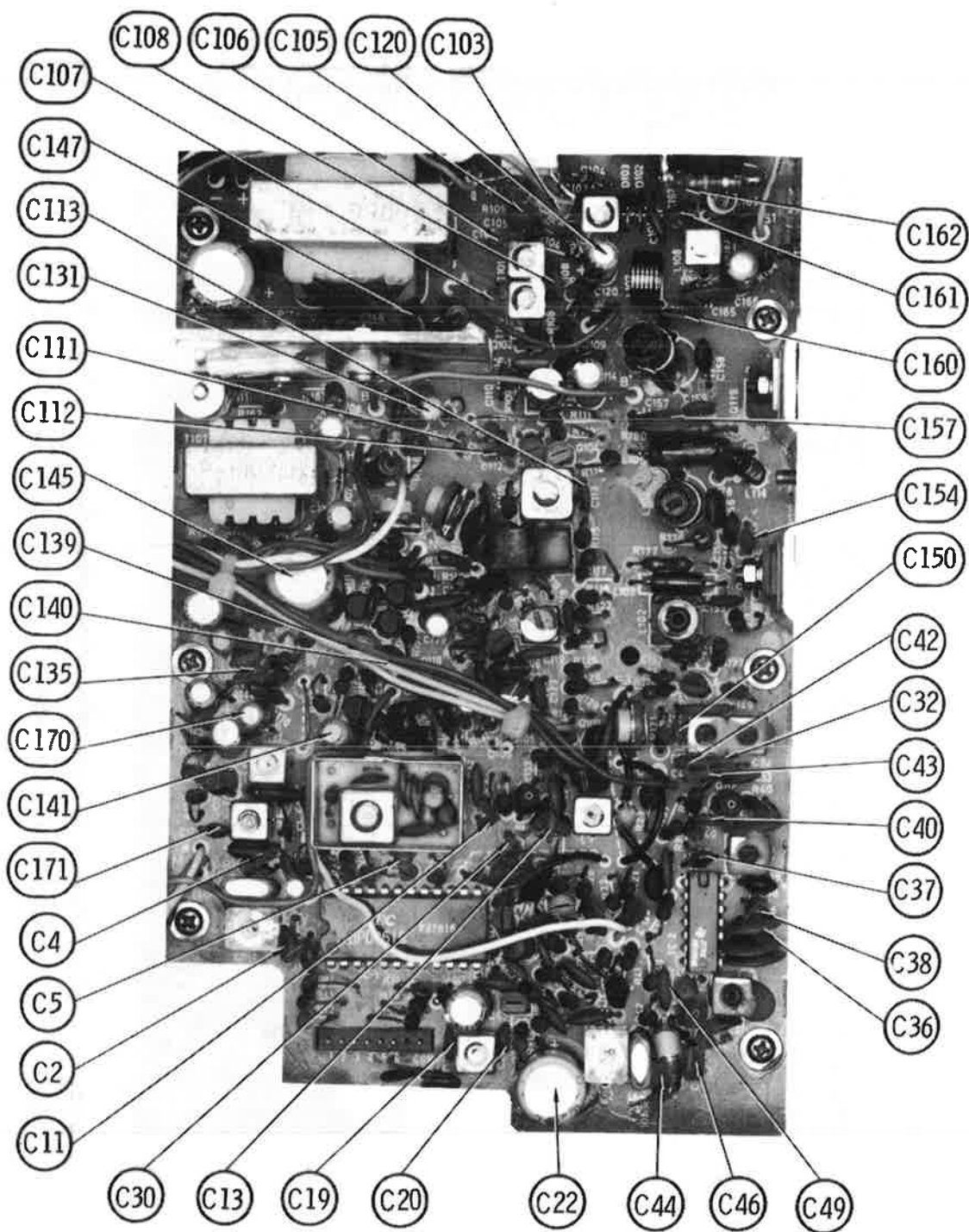
MAIN BOARD



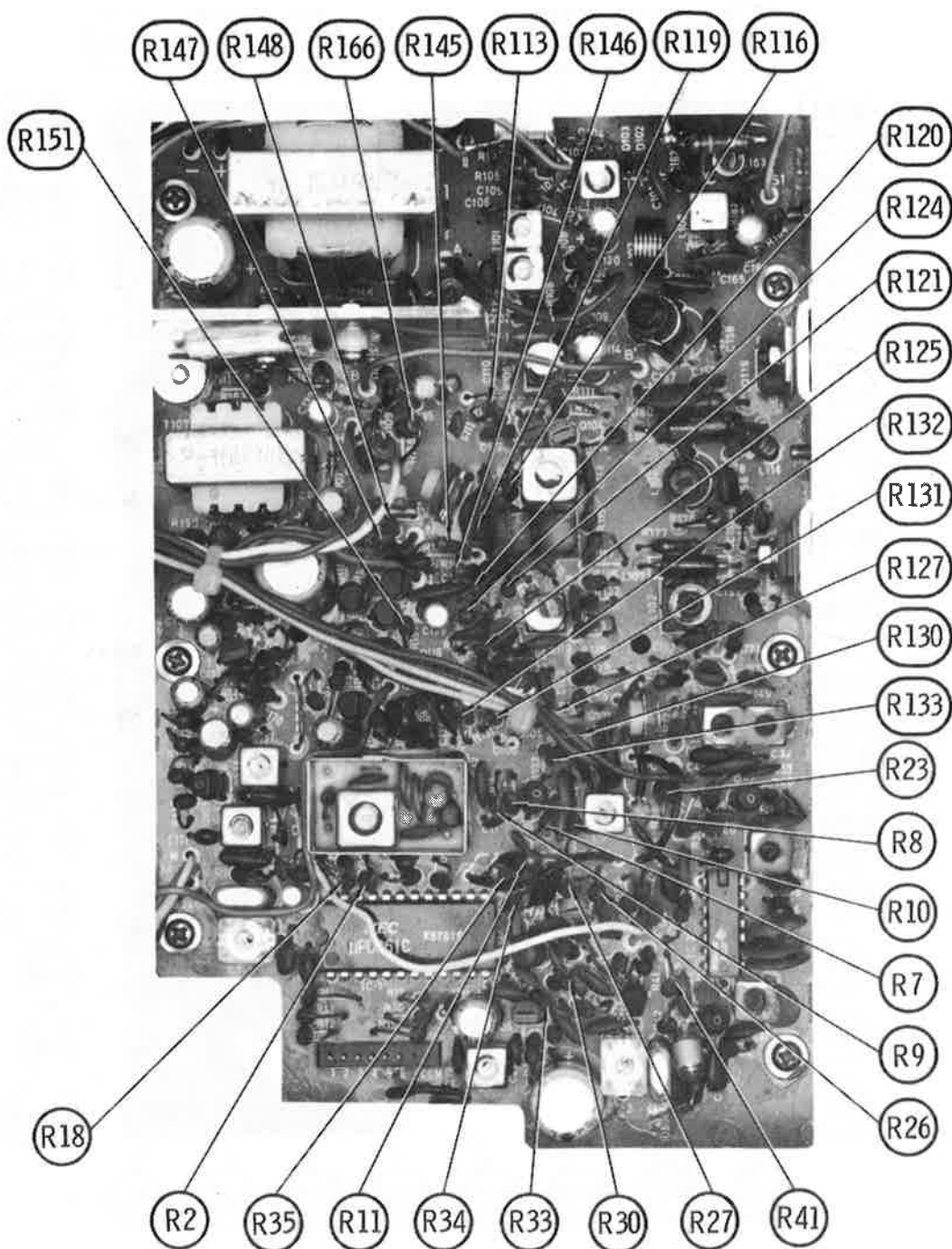
MAIN BOARD



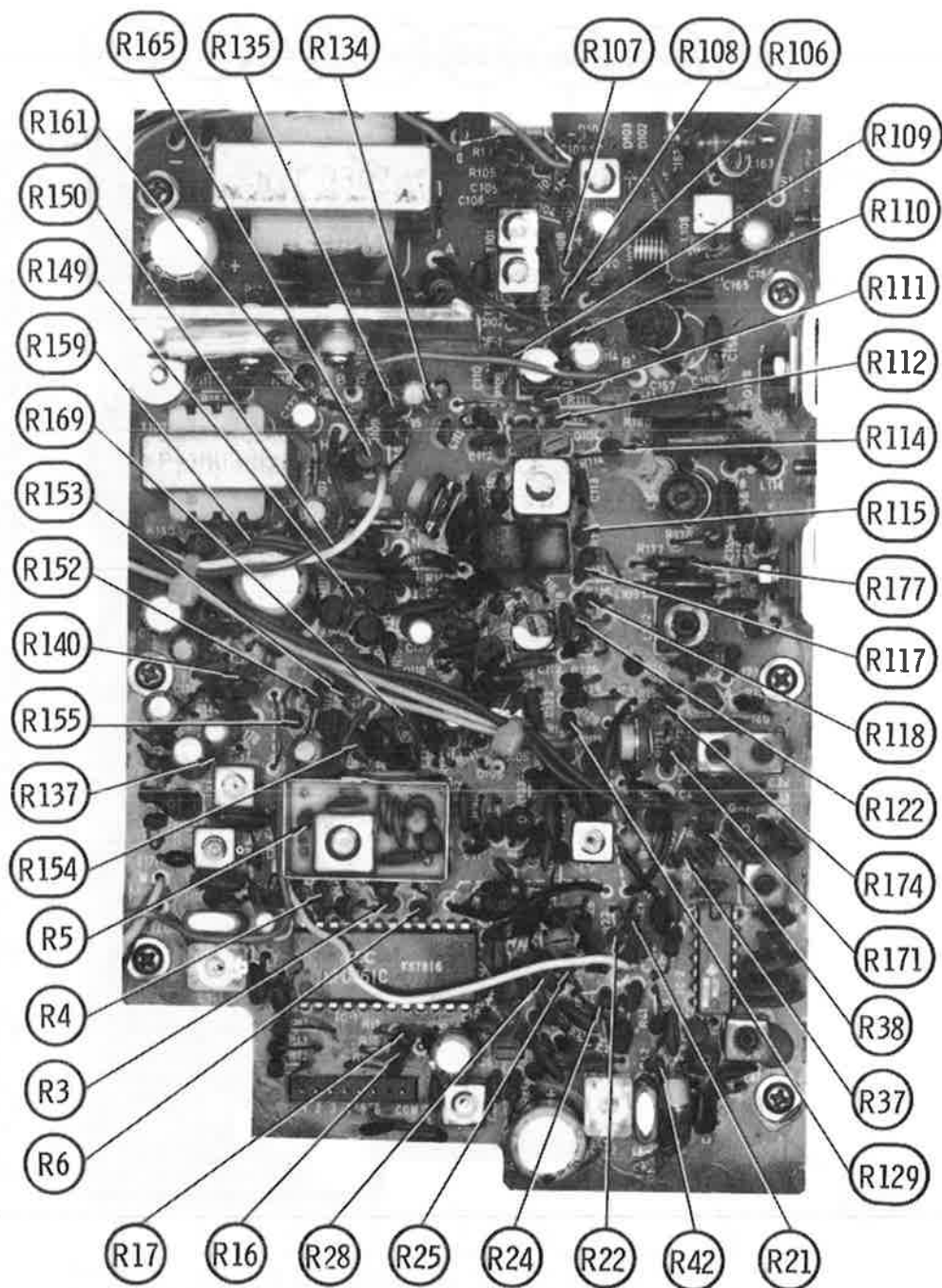
MAIN BOARD



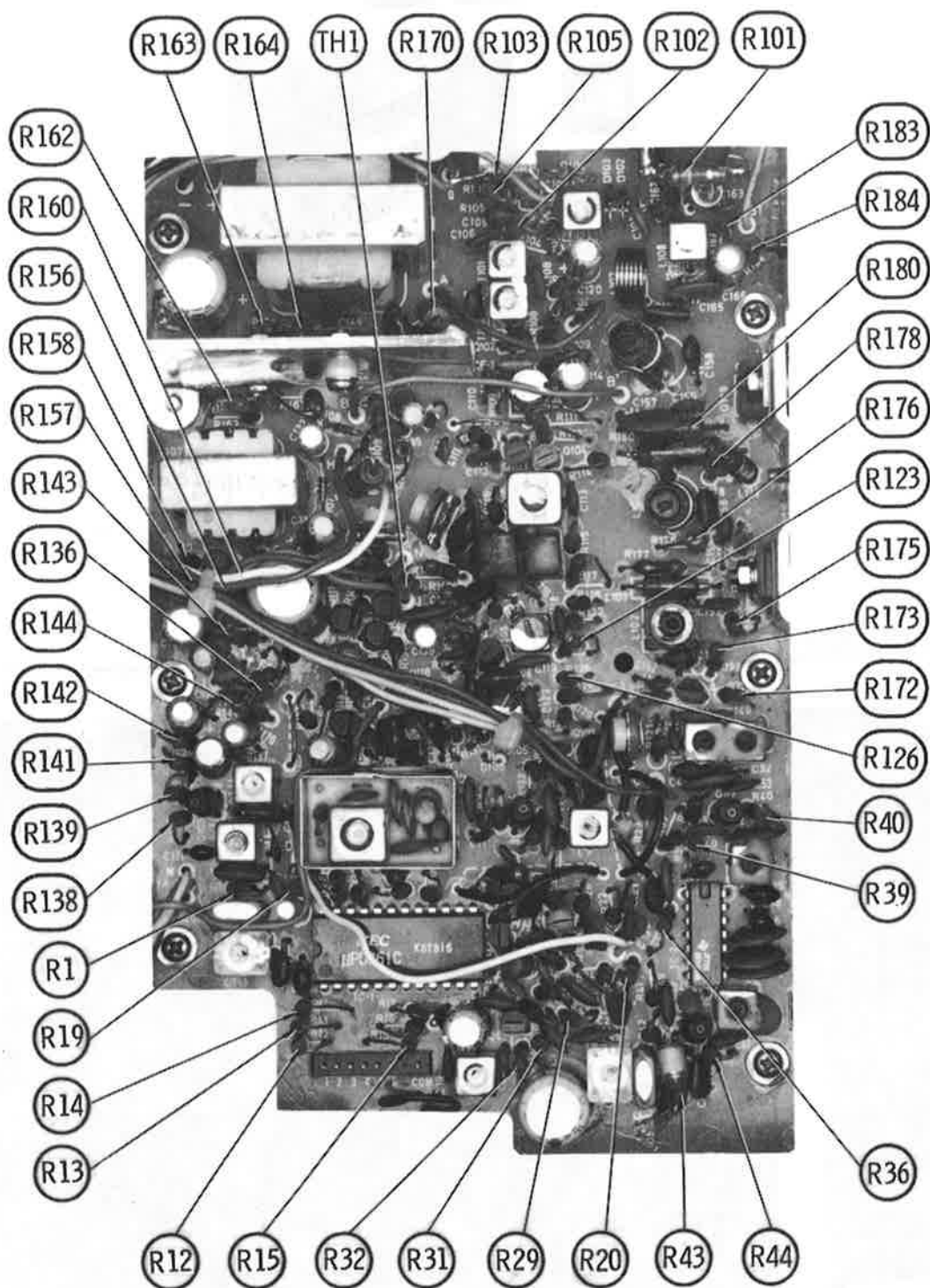
MAIN BOARD



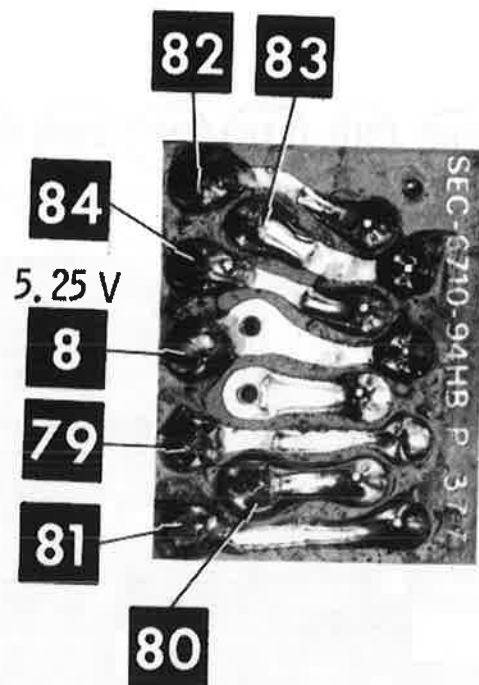
MAIN BOARD



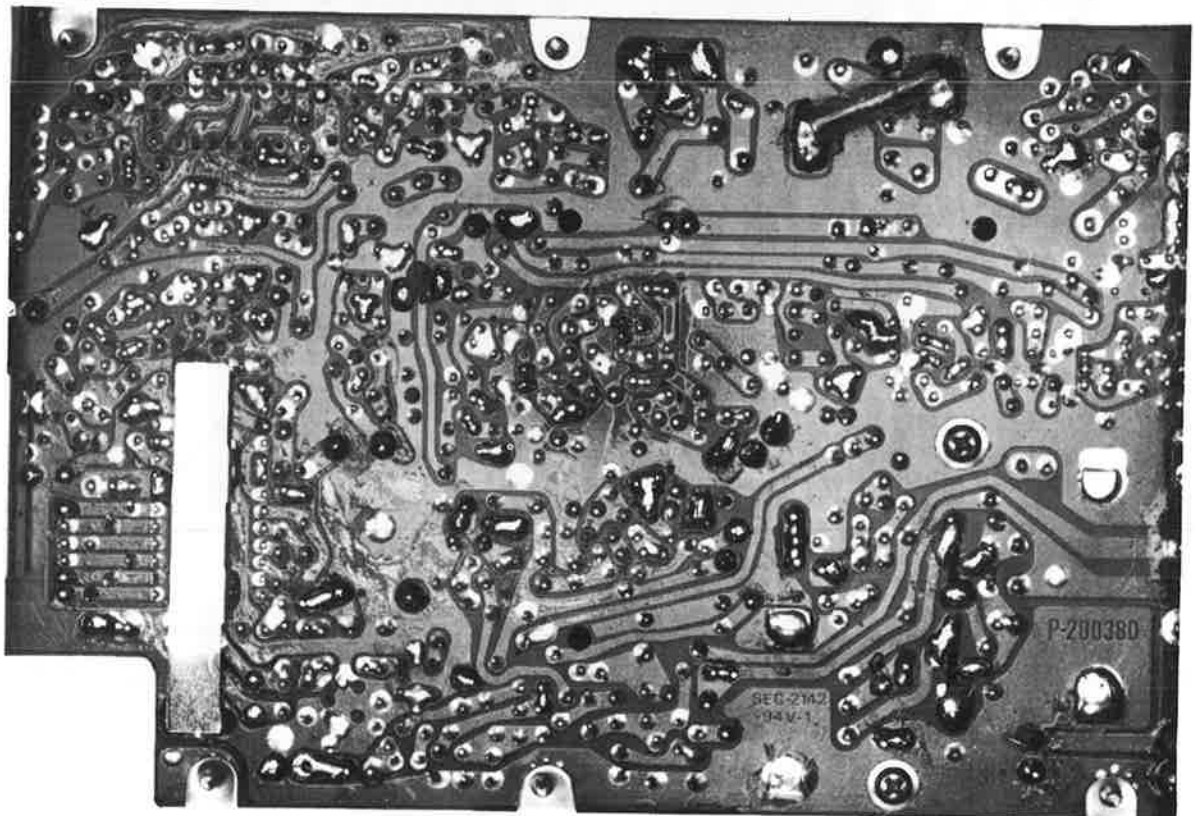
MAIN BOARD



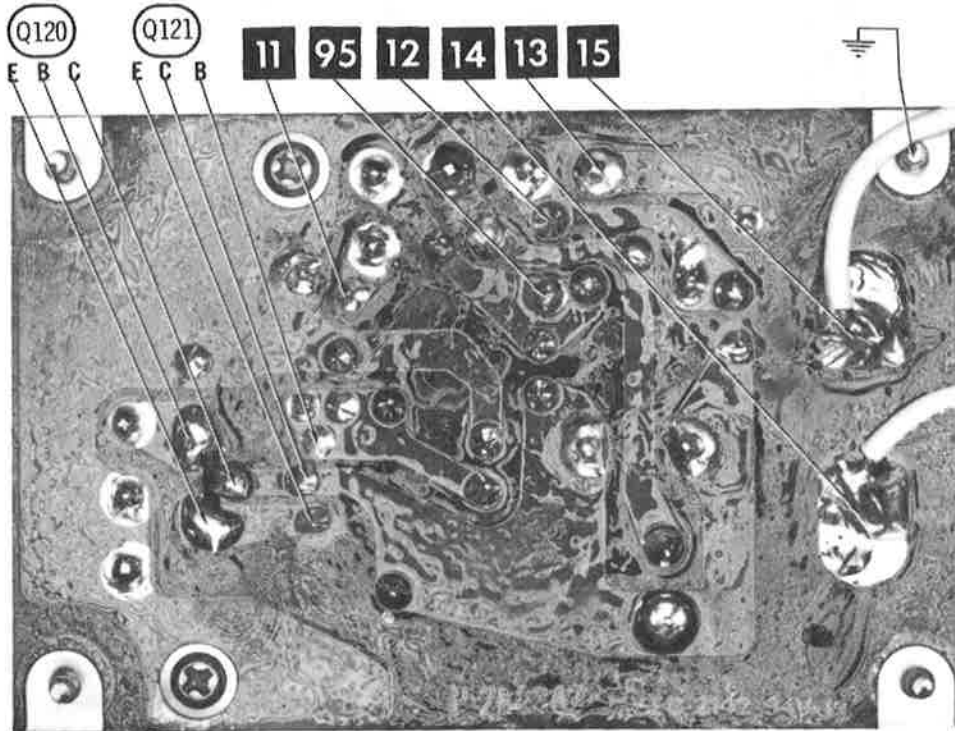
MAIN BOARD



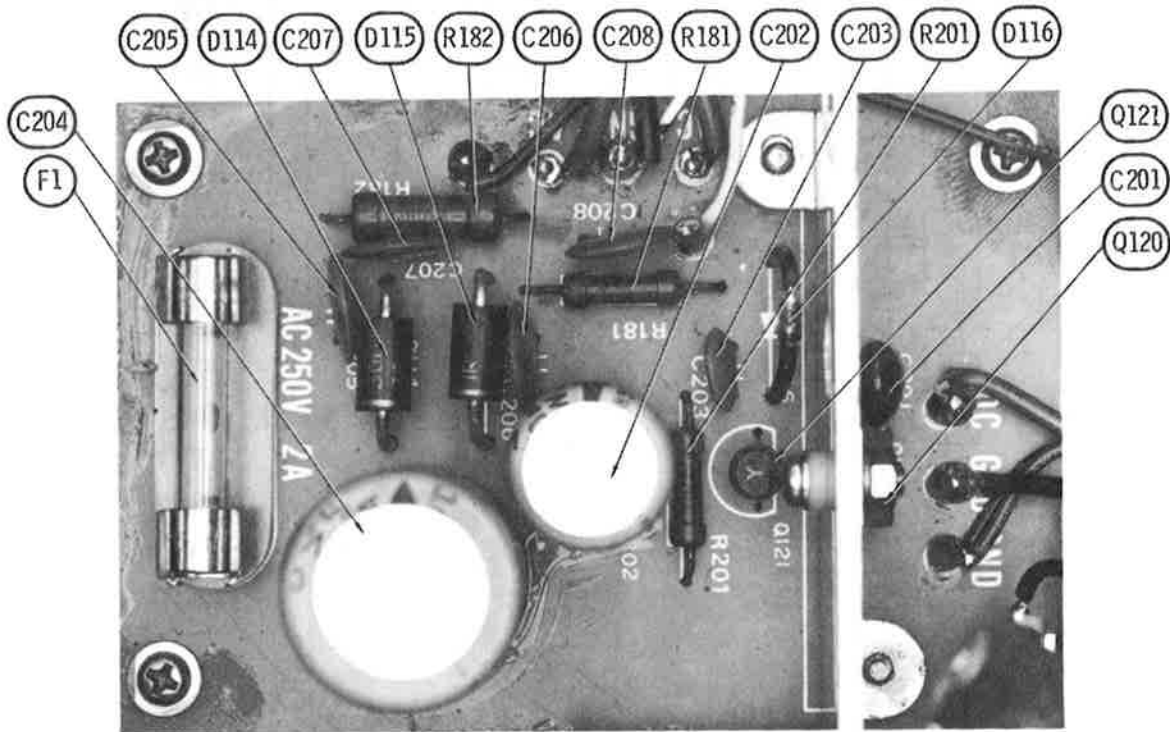
CH. SELECTOR BOARD



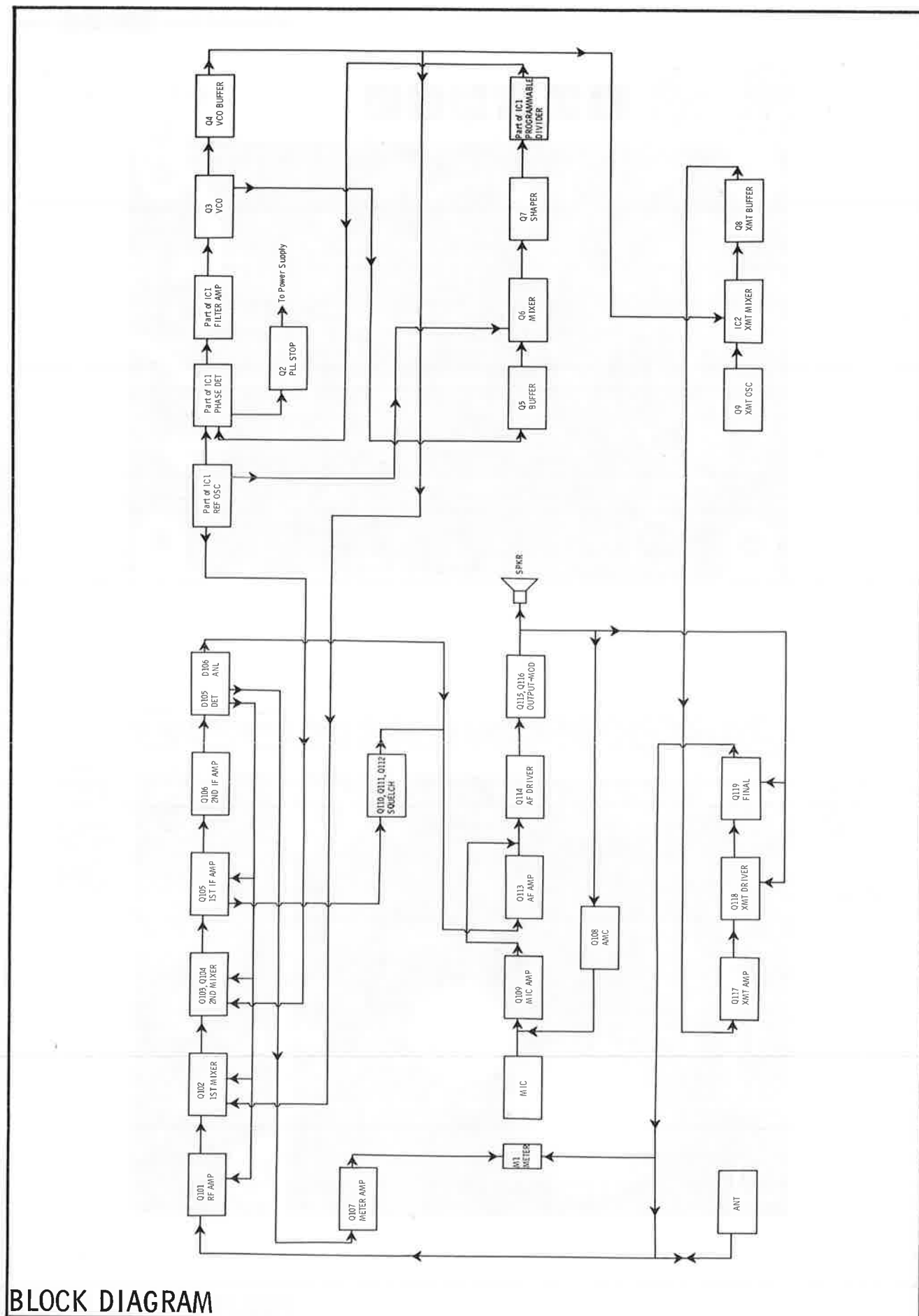
SHIELD LOCATION



REALISTIC MODEL TRC-440



POWER SUPPLY BOARD



BLOCK DIAGRAM

PARTS LIST AND DESCRIPTION

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

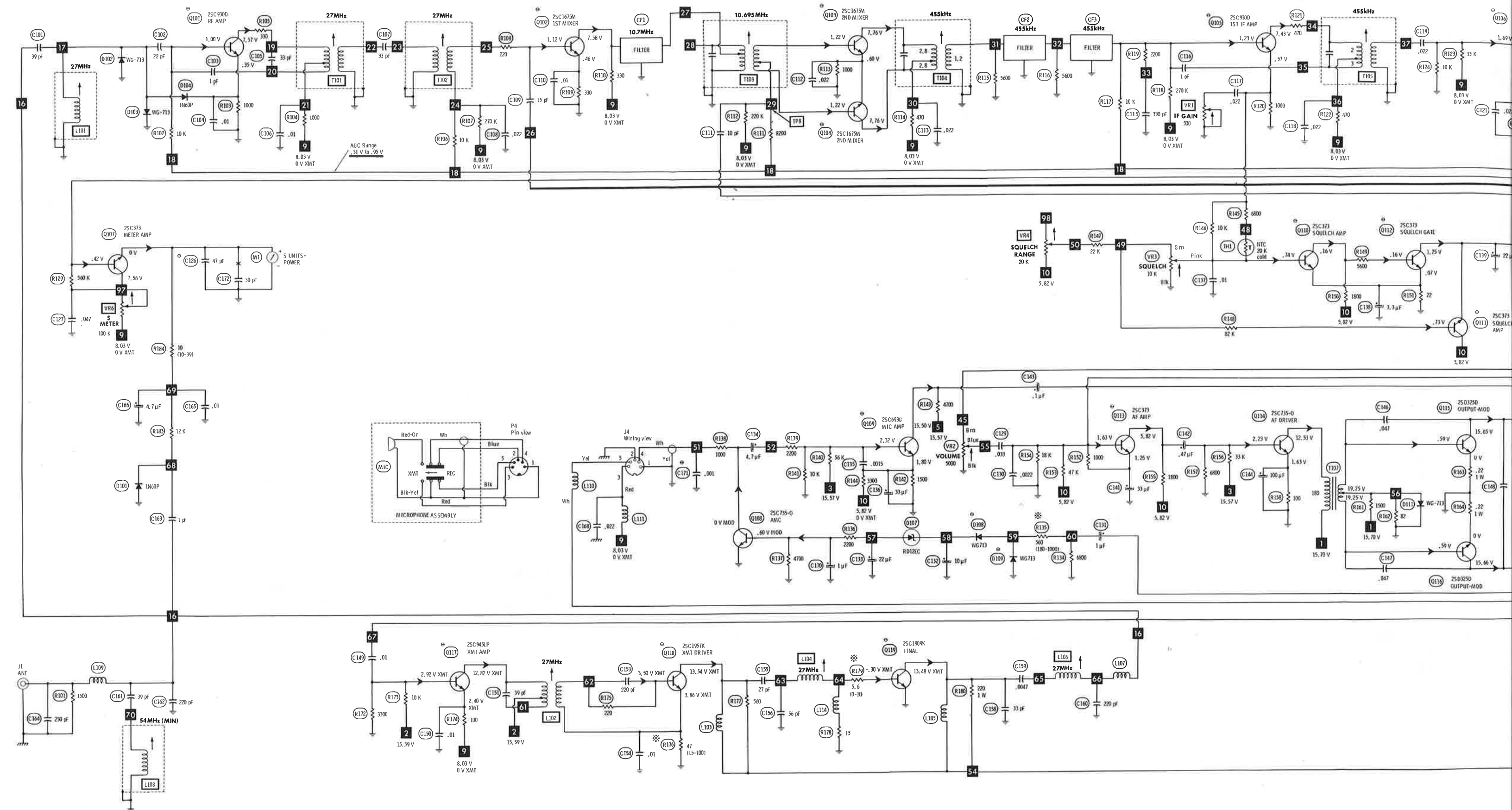
WIRING DATA

General-use Hook-up Wire (available in 5 colors)	BELDEN No. 8523	Coiled Microphone Cable	
Shielded Hook-up Wire (spiral wrapped)	BELDEN No. 8421	3-conductor (1 shielded) 23AWG	BELDEN No. 9471 (5')
(braided)	BELDEN No. 8401		BELDEN No. 8497 (6')
Speaker Cable (available in 4 colors)	BELDEN No. 8782		BELDEN No. 9472 (7-1/2')
Bonding Strap	BELDEN No. 8672	28AWG	BELDEN No. 9466 (6')
AC Power Cord	BELDEN No. 17106	31AWG	BELDEN No. 9468 (10')
	(6') BELDEN No. 17109	4-conductor (unshielded) 23AWG	BELDEN No. 8415 (6')
		5-conductor (1 shielded) 28AWG	BELDEN No. 9467 (6')
			BELDEN No. 9465 (7-1/2')

SEMICONDUCTORS (Select replacement transistor for best results)

ITEM No.	TYPE No.	MFR. PART No.	REPLACEMENT DATA									
			GENERAL ELECTRIC PART No.	MALLORY PART No.	MOTOROLA PART No.	RAYTHEON PART No.	RCA PART No.	SPRAGUE PART No.	SYLVANIA PART No.	THORDARSON PART No.	WORKMAN PART No.	ZENITH PART No.
D1	RD5.1EB		GEZD-5.1	ZM5.1B	HEPZ0406		SK3056	RT-235	ECG5010	1N4733A	WEP1411	103-279-10
	UZ5.1B		GEZD-5.1		HEPZ0406		SK3056	RT-235		1N4733A	WEP1103	
D2	RD5AN		GEZD-5.1		HEPZ0406			RT-235		1N4733A	WEP1103	
	ITT310		GE-90		HEPR2503	REN 614		RT-262	ECG614		WEP200	ZEN-453
	1S2688		GE-90		HEPR2503	REN 614		RT-262	ECG614		WEP200	ZEN-453
D101	1N60P		GE-90	PTC206	HEPR9135	REN 109	SK3088	RT-263	ECG109	1N60	WEP134	ZEN-430
	1S188FM-1		1N60	PTC207	HEPR9135	REN 109	SK3088	RT-200	ECG109	1N34A	WEP134	ZEN-430
D102	WG713		1N34AS	PTC214	HEPR9135	REN 109	SK3088	RT-218	ECG177		WEP1062	
D103	WG713		GE-300	PTC214	HEPR9135	REN 109	SK3088	RT-218	ECG177		WEP1062	
D104	1N60P		GE-300	PTC206	HEPR9135	REN 109	SK3088	RT-263	ECG109	1N60	WEP134	ZEN-430
	1S188FM-1		1N60	PTC207	HEPR9135	REN 109	SK3088	RT-200	ECG109	1N34A	WEP134	ZEN-430
D105	1N60P		1N34AS	PTC206	HEPR9135	REN 109	SK3088	RT-263	ECG109	1N60	WEP134	ZEN-430
	1S188FM-1		1N60	PTC207	HEPR9135	REN 109	SK3088	RT-200	ECG109	1N34A	WEP134	ZEN-430
D106	1N60P		1N34AS	PTC206	HEPR9135	REN 109	SK3088	RT-263	ECG109	1N60	WEP134	ZEN-430
	1S188FM-1		1N60	PTC207	HEPR9135	REN 109	SK3088	RT-200	ECG109	1N34A	WEP134	ZEN-430
D107	RD12EC		1N34AS	PTC207	HEPR9135	REN 109	SK3088	RT-200	ECG109	1N34A	WEP134	ZEN-430
	WZ130		GEZD-12	ZM12B	HEPR9135	REN 109	SK3088	RT-243	ECG5021	1N4742A	WEP1423	103-279-21
	UZ13B		GEZD-13	ZM13B	HEPR9135	REN 109	SK3088	RT-244	ECG5022	1N4743A	WEP1424	ZEN-506
D108	WG713		GEZD-13	ZB13A	HEPZ0416	REN 143	SK3093	RT-244	ECG143	1N4743A	WEP1158	ZEN-506
	1S1588		GE-300	PTC214	HEPR0602	REN 177	SK3100	RT-218	ECG177		WEP1062	
	1S953		GE-514	PTC214	HEPR0602	REN 177	SK3100	RT-218	ECG519	1N4148	WEP925	
D109	WG713		GE-300	PTC214	HEPR0602	REN 177	SK3100	RT-218	ECG177		WEP1062	
	1S1588		GE-514	PTC214	HEPR0602	REN 177	SK3100	RT-218	ECG519	1N4148	WEP925	
	1S953		GE-300	PTC214	HEPR0602	REN 177	SK3100	RT-218	ECG177		WEP1062	
D110	RD6.2EB		GEZD-6.2	ZM6.2B	HEPR0602	REN 177	SK3100	RT-218	ECG177		WEP1062	
	WZ061		GEZD-6.0	ZM6B	HEPR0602	REN 177	SK3100	RT-237	ECG5013	1N4735A	WEP1414	
	UZ6.2B		GEZD-6.0	ZM6B	HEPR0602	REN 177	SK3100	RT-237	ECG5012	1N4735A	WEP1413	
D111	WG713		GE-300	PTC214	HEPR0602	REN 177	SK3100	RT-218	ECG177		WEP1062	
D112	SR1K-2		GE-504A	PTC201	HEPR0052	REN 116	SK3030	RT-213	ECG116	1N4004	WEP156	212-76-02
	100-1		GE-504A	PTC201	HEPR0052	REN 116	SK3030	RT-213	ECG116	1N4004	WEP156	212-76-02
D114	3001		GE-512	PTC204	HEPR0098	REN 156	SK3051	RT-201	ECG156		WEP4008	
	S3V20		GE-512	PTC204	HEPR0098	REN 156	SK3051	RT-201	ECG156		WEP4008	
	3BZ61		GE-512	PTC204	HEPR0098	REN 156	SK3051	RT-201	ECG156		WEP4008	
D115	3001		GE-512	PTC204	HEPR0098	REN 156	SK3051	RT-201	ECG156		WEP4008	
	S3V20		GE-512	PTC204	HEPR0098	REN 156	SK3051	RT-201	ECG156		WEP4008	
	3BZ61		GE-512	PTC204	HEPR0098	REN 156	SK3051	RT-201	ECG156		WEP4008	
D116	BZ162		GEZD-16	ZB16B	HEPR0098	REN 5075		RT-246	ECG5075A	1N4745A	WEP1160	
	1N4745A		GEZD-16	ZB16B	HEPR0098	REN 5075		RT-246	ECG5075A	1N4745A	WEP1160	
IC1	UP0861C	DX-0069										
IC2	SN76514N	DX-0069										
	SN76514											
Q1	2SA733P		GE-48	PTC127	HEPS0019*	REN 294	SK3138	RT-303	ECG294	2SA733	WEP916	121-933
	2SA733Q		GE-48	PTC127	HEPS0019*	REN 294	SK3138	RT-303	ECG294	2SA733	WEP916	121-933
	2SA562-0		GE-269	PTC103*	HEPS0012*	REN 290	SK3114	RT-106	ECG290	2SA562	WEP911	121-986
Q2	2SA562P		GE-269	PTC103*	HEPS0012*	REN 290	SK3114	RT-106	ECG290	2SA562	WEP911	121-986
	2SC945LP		GE-212	PTC121*	HEPS0015*	REN 199	SK3124	RT-107A	ECG199	2SC945	WEP1945	121-29000
	2SC945P		GE-212	PTC121*	HEPS0015*	REN 199	SK3124	RT-107A	ECG199	2SC945	WEP1945	121-29000
	2SC945Q		GE-212	PTC121*	HEPS0015*	REN 199	SK3124	RT-107A	ECG199	2SC945	WEP1945	121-29000
	2SC373		GE-212	PTC121*	HEPS0015*	REN 199	SK3122	RT-105	ECG199	2SC373	WEP373	ZEN-119
	2SC945LQ		GE-212	PTC121*	HEPS0015*	REN 199	SK3124	RT-107A	ECG199	2SC945	WEP1945	121-29000
Q3	2SK41E2		GE-FET-2	PTC161	HEP0021	REN 132	SK3448	RT-175	ECG312	2SC380	WEP380	ZEN-123
Q4	2SC380-0		GE-61*	PTC136*	HEPS0016*	REN 107	SK3018*	RT-107A	ECG107	2SC380	WEP380	ZEN-127
	2SC380-Y		GE-61*	PTC136*	HEPS0016*	REN 107	SK3018*	RT-107A	ECG107	2SC380	WEP380	ZEN-127
	2SC945LP		GE-212	PTC121*	HEPS0015*	REN 199	SK3124	RT-107A	ECG199	2SC945	WEP1945	121-29000
	2SC945LQ		GE-212	PTC121*	HEPS0015*	REN 199	SK3124	RT-107A	ECG199	2SC945	WEP1945	121-29000
Q5	2SC945LP		GE-212	PTC121*	HEPS0015*	REN 199	SK3124	RT-107A	ECG199	2SC945	WEP1945	121-29000
	2SC945LQ		GE-212	PTC121*	HEPS0015*	REN 199	SK3124	RT-107A	ECG199	2SC945	WEP1945	121-29000
	2SC373		GE-212	PTC121*	HEPS0015*	REN 199	SK3122	RT-105	ECG199	2SC373	WEP373	ZEN-119
Q6	2SC945LP		GE-212	PTC121*	HEPS0015*	REN 199	SK3124	RT-107A	ECG199	2SC945	WEP1945	121-29000
	2SC945LQ		GE-212	PTC121*	HEPS0015*	REN 199	SK3124	RT-107A	ECG199	2SC945	WEP1945	121-29000
	2SC373		GE-212	PTC121*	HEPS0015*	REN 199	SK3122	RT-105	ECG199	2SC373	WEP373	ZEN-119
Q7	2SC945LP		GE-212	PTC121*	HEPS0015*	REN 199	SK3124	RT-107A	ECG199	2SC945	WEP1945	121-29000
	2SC945LQ		GE-212	PTC121*	HEPS0015*	REN 199	SK3124	RT-107A	ECG199	2SC945	WEP1945	121-29000
	2SC373		GE-212	PTC121*	HEPS0015*	REN 199	SK3122	RT-105	ECG199	2SC373	WEP373	ZEN-119
Q8	2SC945LP		GE-212	PTC121*	HEPS0015*	REN 199	SK3124	RT-107A	ECG199	2SC945	WEP1945	121-29000
	2SC945LQ		GE-212	PTC121*	HEPS0015*	REN 199	SK3124	RT-107A	ECG199	2SC945	WEP1945	121-29000
	2SC373		GE-212	PTC121*	HEPS0015*	REN 199	SK3122	RT-105	ECG199	2SC373	WEP373	ZEN-119
	2SC380-0		GE-61*	PTC136*	HEPS0016*	REN 107	SK3018*	RT-107A	ECG107	2SC380	WEP380	ZEN-127
	2SC380Y		GE-61*	PTC136*	HEPS0016*	REN 107	SK3018*	RT-107A	ECG107	2SC380	WEP380	ZEN-127
	2SC945LP		GE-61*	PTC136*	HEPS0016*	REN 107	SK3018*	RT-107A	ECG107	2SC380	WEP380	ZEN-127
	2SC945LQ		GE-61*	PTC136*	HEPS0016*	REN 107	SK3018*	RT-107A	ECG107	2SC380	WEP380	ZEN-127
	2SC941		GE-210*	PTC132*	HEPS0016*	REN 123A*	SK3122	RT-107A	ECG123A*	2SC460	WEP66	121-29000*
Q9	2SC380-0		GE-61*	PTC136*	HEPS0016*	REN 107	SK3018*	RT-107A	ECG107	2SC380	WEP380	ZEN-127
	2SC380Y		GE-61*	PTC136*	HEPS0016*	REN 107	SK3018*	RT-107A	ECG107	2SC380	WEP380	ZEN-127
	2SC930D		GE-60*	PTC132*	HEPS0016*	REN 229	SK3018	RT-308	ECG229*	2SC930	WEP956*	ZEN-127
Q101	2SC930E		GE-60*	PTC132*	HEPS0016*	REN 229	SK3018	RT-308	ECG229*	2SC930	WEP956*	ZEN-127
	2SC668		GE-211*	PTC139*	HEPS0024*	REN 229	SK3018	RT-187	ECG229*	2SC684	WEP66	121-925
	2SC1675M		GE-213	PTC132*	HEPS0025*	REN 123A*	SK3246	RT-308	ECG229*		WEP956*	ZEN-127
	2SC1675L		GE-213	PTC132*	HEPS0025*	REN 123A*	SK3246	RT-308	ECG229*		WEP956*	ZEN-127
	2SC941		GE-210*	PTC132*	HEPS0025*	REN 123A*	SK3122	RT-107A	ECG123A*	2SC460	WEP66	121-29000*
Q102	2SC1675M		GE-213	PTC132*	HEPS0025*	REN 123A*	SK3246	RT-308	ECG229*		WEP956*	ZEN-127
	2SC1675L		GE-213	PTC132*	HEPS0025*	REN 123A*	SK3246	RT-308	ECG229*		WEP956*	ZEN-127
Q103	2SC941		GE-210*	PTC132*	HEPS0025*	REN 123A*	SK3122	RT-107A	ECG123A*	2SC460	WEP66	121-29000*

REALISTIC MODEL TRC-440





SEMICONDUCTORS (Select re

ITEM No.	TYPE No.	MFGR. PART No.	GENE ELECT PART
Q104	2SC1675M		GE-213
Q105	2SC1675L		GE-213
	2SC941		GE-210
	2SC9300		GE-60*
	2SC930E		GE-60*
Q106	2SC373		GE-212
	2SC9300		GE-60*
	2SC930E		GE-60*
Q107	2SC373		GE-212
	2SC360		GE-212
Q108	2SC735-0		GE-210
	2SC735Y		GE-210
	2SC536D		GE-212
	2SC536E		GE-212
Q109	2SC693G		GE-62
	2SC693F		GE-62
Q110	2SC373		GE-212
	2SC373		GE-212
Q111	2SC536D		GE-212
	2SC536E		GE-212
Q112	2SC373		GE-212
	2SC536D		GE-212
Q113	2SC536E		GE-212
	2SC373		GE-212
	2SC693F		GE-62
Q114	2SC693G		GE-62
	2SC735-0		GE-210
	2SC735Y		GE-210
	2SC1175D		GE-210
	2SC1175E		GE-210
Q115	2SD325D		GE-28
	2SD325E		GE-28
Q116	2SD325D		GE-28
	2SD325E		GE-28
Q117	2SC945LP		GE-61*
	2SC945L		GE-61*
	2SC945P		GE-61*
	2SC945Q		GE-61*
	2SC1175D		GE-210
	2SC1175E		GE-210
	2SC735-0		GE-210
	2SC735Y		GE-210
	2SC945LQ		GE-61*
Q118	2SC1957K		GE-270
	2SC495T		GE-215
Q119	2SC1909K		GE-322
	2SC1678		GE-66
Q120	2SD235-0		GE-66
	2SD235		GE-66
	2SD313		GE-241
Q121	2SD235Y		GE-66
	2SC735Y		GE-210*
	2SC735		GE-210*
	2SC1175		GE-210*
	2SC735-0		GE-210*

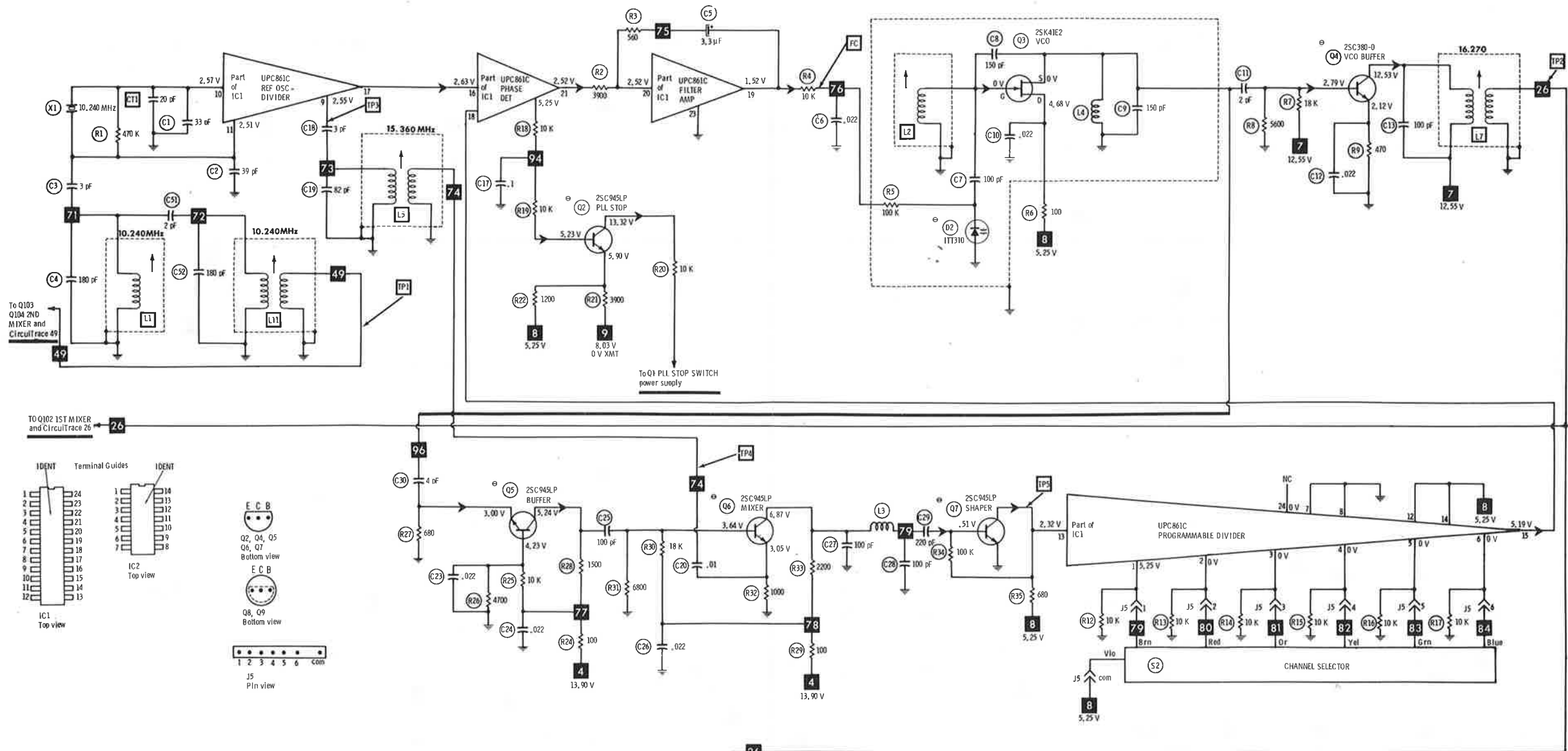
* Lead

ELECTROLYTIC CAPA

ITEM No.	RATING
C5	3.3 16V
C16	100 10V
C17	.1 25V
C22	330 16V
C114	33 16V
C120	4.7 50V
C125	1 50V
C131	1 50V
C132	10 16V
C133	22 16V
C134	4.7 50V
C136	33 16V
C138	3.3 50V
C139	22 16V
C140	47 10V
C141	33 16V
C142	.47 50V
C143	.1 25V
C144	100 10V
C145	330 16V
C166	4.7 50V
C167	470 16V
C170	1 50V
C202	470 25V
C204	2200 25V

* Axial replacement for radial

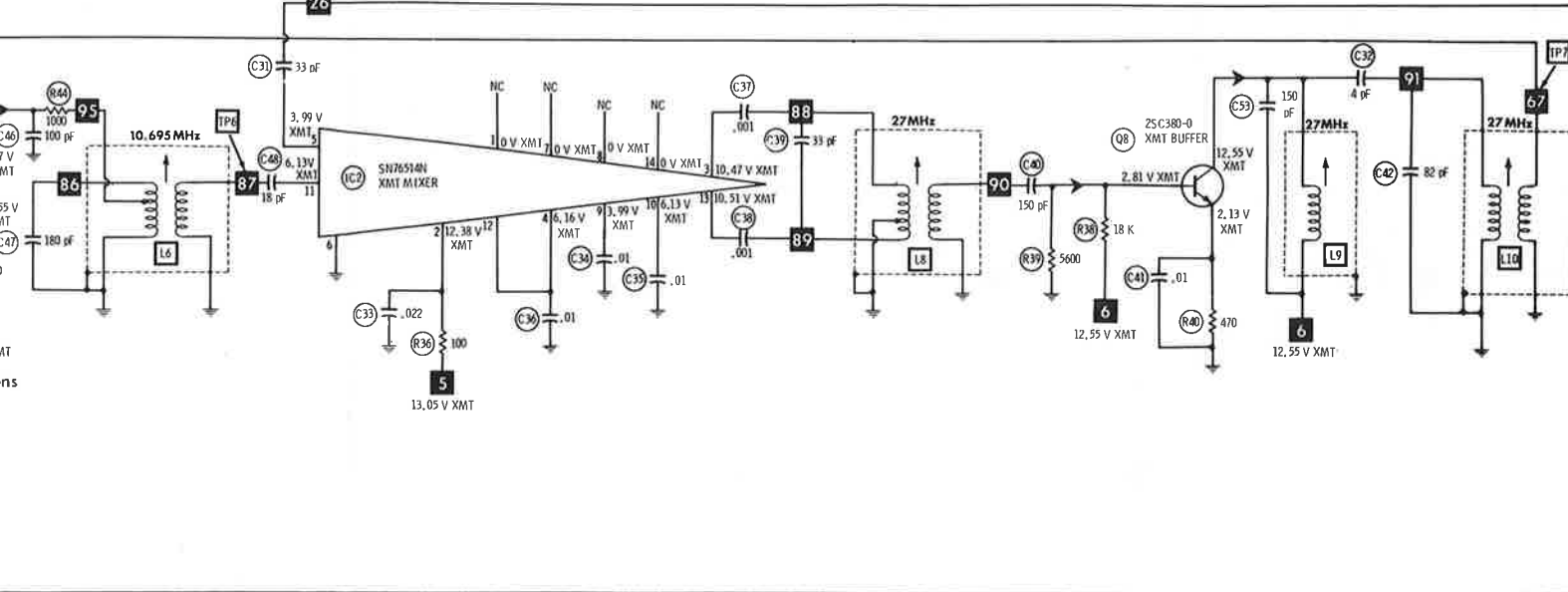
REALISTIC MODEL TRC-440



Measurements made in Channel 1 with switching as shown unless noted.
Item numbers in rectangles appear in the alignment/adjustment instructions.
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 **CircuitTrace**
© Howard W. Sams & Co., Inc. 1978

- Circuitry not used in some versions
- - - Circuitry used in some versions
- ⊕ See parts list
- ⊗ Nominal value
- ⊥ Ground
- Chassis
- Common tie point
- Signal path
- Voltage path



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

ITEM No.	TYPE No.	MFR. PART No.	REPLACEMENT DATA									
			GENERAL ELECTRIC PART No.	MALLORY PART No.	MOTOROLA PART No.	RAYTHEON PART No.	RCA PART No.	SPRAGUE PART No.	SYLVANIA PART No.	THORDARSON PART No.	WORKMAN PART No.	ZENITH PART No.
Q104	25C1675M		GE-213	PTC132*	HEPS0025*	REN 123A*	SK3246	RT-308	ECG229*		WEP956*	ZEN-127
	25C1675L		GE-213	PTC132*	HEPS0025*	REN 123A*	SK3246	RT-308	ECG229*		WEP956*	ZEN-127
	25C941		GE-210*	PTC132*	HEPS0016*	REN 123A*	SK3122	RT-107A	ECG123A*		WEP66	121-29000*
Q105	25C930D		GE-60*	PTC132*	HEPS0016*	REN 229	SK3018	RT-308	ECG229*	25C460	WEP956*	ZEN-127
	25C930E		GE-60*	PTC132*	HEPS0016*	REN 229	SK3018	RT-308	ECG229*	25C930	WEP956*	ZEN-127
	25C373		GE-212	PTC121*	HEPS0015*	REN 199	SK3122	RT-105	ECG199	25C373	WEP373	ZEN-119
Q106	25C930D		GE-60*	PTC132*	HEPS0016*	REN 229	SK3018	RT-308	ECG229*	25C930	WEP956*	ZEN-127
	25C930E		GE-60*	PTC132*	HEPS0016*	REN 229	SK3018	RT-308	ECG229*	25C930	WEP956*	ZEN-127
	25C373		GE-212	PTC121*	HEPS0015*	REN 199	SK3122	RT-105	ECG199	25C373	WEP373	ZEN-119
Q107	25C373		GE-212	PTC121*	HEPS0015*	REN 199	SK3122	RT-105	ECG199	25C373	WEP373	ZEN-119
	25C36D		GE-210*	PTC121*	HEPS0016*	REN 199	SK3124	RT-107A	ECG199	25C945	WEP356	121-972
	25C735-0		GE-210*	PTC123*	HEPS0014*	REN 289	SK3122	RT-308*	ECG289	25C735	WEP735A	ZEN-127
Q108	25C735Y		GE-210*	PTC123*	HEPS0014*	REN 289	SK3122	RT-308*	ECG289	25C735	WEP735A	ZEN-127
	25C36D		GE-212	PTC121*	HEPS0016*	REN 199	SK3124	RT-107A	ECG199	25C945	WEP356	121-972
	25C36E		GE-212	PTC121*	HEPS0016*	REN 199	SK3124	RT-107A	ECG199	25C945	WEP356	121-972
Q109	25C6936		GE-62	PTC136*	HEPS0024*	REN 199	SK3124	RT-107A	ECG199	25C458*	WEP66	121-29000
	25C693F		GE-62	PTC136*	HEPS0024*	REN 199	SK3124	RT-107A	ECG199	25C458*	WEP66	121-29000
	25C373		GE-212	PTC121*	HEPS0015*	REN 199	SK3122	RT-105	ECG199	25C373	WEP373	ZEN-119
Q110	25C373		GE-212	PTC121*	HEPS0015*	REN 199	SK3122	RT-105	ECG199	25C373	WEP373	ZEN-119
	25C36D		GE-212	PTC121*	HEPS0016*	REN 199	SK3124	RT-107A	ECG199	25C945	WEP356	121-972
	25C36E		GE-212	PTC121*	HEPS0016*	REN 199	SK3124	RT-107A	ECG199	25C945	WEP356	121-972
Q111	25C373		GE-212	PTC121*	HEPS0015*	REN 199	SK3122	RT-105	ECG199	25C373	WEP373	ZEN-119
	25C36D		GE-212	PTC121*	HEPS0016*	REN 199	SK3124	RT-107A	ECG199	25C945	WEP356	121-972
	25C36E		GE-212	PTC121*	HEPS0016*	REN 199	SK3124	RT-107A	ECG199	25C945	WEP356	121-972
Q112	25C373		GE-212	PTC121*	HEPS0015*	REN 199	SK3122	RT-105	ECG199	25C373	WEP373	ZEN-119
	25C36D		GE-212	PTC121*	HEPS0016*	REN 199	SK3124	RT-107A	ECG199	25C945	WEP356	121-972
	25C36E		GE-212	PTC121*	HEPS0016*	REN 199	SK3124	RT-107A	ECG199	25C945	WEP356	121-972
Q113	25C373		GE-212	PTC121*	HEPS0015*	REN 199	SK3122					

ITEM No.	RATING	REPLACEMENT DATA				
		MFRG. PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.	
					Q-LINE	GENERAL LINE
C5	3.3 16V			TDC335M015FL	QDT1-41	SD15-3R39
C16	100 10V		PC100-10	VT1100E10	QV1-93	EV-1130
C17	.1 25V			TDC104M050EL	QDT1-2	SD50-R109
C22	330 16V		WBR300-35*	VT1330H16	QV1-133	EV-1245
C114	33 16V		PC30-25	VT133D25	QV1-63	EV-1325
C120	4.7 50V		PC5-50	VT4R7B50	QV1-29	EV-1519
C125	1 50V		PC1-50	VT11A50	QV1-11	EV-1615
C131	1 50V		PC1-50	VT11A50	QV1-11	EV-1615
C132	10 16V		PC10-25	VT110B25	QV1-41	EV-1222
C133	22 16V		PC25-25	VT122B16	QV1-55	EV-1224
C134	4.7 50V		PC5-50	VT4R7B50	QV1-29	EV-1519
C136	33 16V		PC30-25	VT133D25	QV1-63	EV-1325
C138	3.3 50V		PC5-50	VT13R3A50	QV1-25	EV-1618
C139	22 16V		PC25-25	VT122B16	QV1-55	EV-1224
C140	47 10V		PC50-16	VT47D16	QV1-73	EV-1226
C141	33 16V		PC30-25	VT133D25	QV1-63	EV-1325
C142	.47 50V		PC1-50	VT1R47A63	QV1-3	EV-1610
C143	.1 25V			TDC104M050EL	QDT1-2	SD50-R109
C144	100 10V		PC100-10	VT1100E10	QV1-93	EV-1130
C145	330 16V		WBR300-35*	VT1330H16	QV1-133	EV-1245
C166	4.7 50V		PC5-50	VT4R7B50	QV1-29	EV-1519
C167	470 16V		PC500-16	VT470K16	QV1-151	EV-1250
C170	1 50V		PC1-50	VT11A50	QV1-11	EV-1615
C202	470 25V		WBR500-25*	VT470M25	QV1-153	EV-1350
C204	2200 25V		WBR2000-25*	TC2520A*	QE1-645*	TVA-1213.5*

* Axial replacement for radial device.

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.	
						Q-LINE	GENERAL LINE
C1	33 50V 10%			CD15ED330J03	SX433	QW1-15	MWA-330
C2	39 50V 10%			CD15ED390J03	SX439	QW1-17	MWA-390
C3	3 16V .25		DTZ-3R3	NP03P3	CN0533		10TCC-V33
C4	180 10%			CD15FD181J03	SX318	QW1-33	MWA-181
C6	.022 25V		UK25-223				HY-725
C7	100 50V 10%		DD-101	GP100	GP310		10TS-T10
C8	150 N220 50V 10%				*		10TCR-T15
C9	150 N220 50V 10%				*		10TCR-T15
C10	.022 25V		UK25-223				HY-725
C11	2 NPO 50V .25		DTZ-2R2	NP02P2	CN0522		10TCC-V22
C12	.022 25V		UK25-223				HY-725
C13	100 50V 10%		DD-101	GP100	GP310		10TS-T10
C14	.022 25V		UK25-223				HY-725
C15	.022 25V		UK25-223				HY-725
C18	3 NPO 50V .25						10TCC-V30
C19	82 50V 5%		DTZ-82	NP082	CN0482		10TCC-Q82
C20	.01 25V		UK25-103		MAG2511		HY-520
C21	.022 25V		UK25-223				HY-725
C23	.022 25V		UK25-223				HY-725
C24	.022 25V		UK25-223				HY-725
C25	100 50V 10%		DD-101	GP100	GP310		10TS-T10
C26	.022 25V		UK25-223				HY-725
C27	100 50V 10%		DD-101	GP100	GP310		10TS-T10
C28	220 50V 10%		DD-221		GP322		10TS-T22
C29	.001 50V 10%		DD-102		GP210		10TS-D10
C30	4 50V .25		DTZ-4R7	NP04P7	CN0547		10TCC-V47
C31	33 50V 10%			CD15ED330J03	SX433	QW1-15	MWA-330
C32	4 50V 5%		DTZ-4R7	NP04P7	CN0547		10TCC-V47
C33	.022 25V		UK25-223				HY-725
C34	.01 25V 10%		UK25-103		MAG2511		HY-520
C35	.01 25V 10%		UK25-103		MAG2511		HY-520
C36	.01 25V 10%		UK25-103		MAG2511		HY-520
C37	.001 50V 10%			DPMS601	EWFTA210	QFT2-1	1FT-D10
C38	.001 50V 10%			DPMS601	EWFTA210	QF1-1	1PB-D10
C39	33 50V 10%			CD15ED330J03	SX433	QW1-15	MWA-330
C40	150 50V 10%		DD-151		GP315		10TS-T15
C41	.01 25V 10%		UK25-103		MAG2511		HY-520
C42	82 25V 10%		DD-820		GP482		10TS-Q82
C43	.01 25V 10%		UK25-103		MAG2511		HY-520
C44	39 25V 10%			CD15ED390J03	SX439	QW1-17	MWA-390
C45	680 10%			CD19FD681J03	SX368		MWC-681
C46	100 10%			CD15FD101J03	SX310	QW1-27	MWA-101
C47	180 50V 10%		DD-181		GP318		10TS-T18
C48	18 50V .25				CN0418		10TCC-Q18
C49	.022 25V		UK25-223				HY-725
C51	2 NPO 50V .25		DTZ-2R2	NP02P2	CN0522		10TCC-V22
C52	180 50V 10%			CD15FD181J03	SX318	QW1-33	MWA-181
C53	150 50V 10%		DD-151		GP315		10TS-T15
C101	39 NPO 50V 5%		DTZ-22	NP022	CN0439		10TCC-Q39
C102	22 NPO 50V 5%				CN0422		10TCC-Q22
C103	1 50V .25				CN0510		10TCC-V10
C104	.01 25V		UK25-103		MAG2511		HY-520
C105	33 50V 10%			CD15ED330J03	SX433	QW1-15	MWA-330
C106	.01 25V		UK25-103		MAG2511		HY-520
C107	33 50V 10%			CD15ED330J03	SX433	QW1-15	MWA-330
C108	.022 25V		UK25-223				HY-725
C109	15 50V 5%		DTZ-15	NP015	CN0415		10TCC-Q15
C110	.01 25V		UK25-103		MAG2511		HY-520
C111	10 50V 5%		DTZ-10	NP010	CN0410		10TCC-Q10
C112	.022 25V		UK25-223				HY-725
C113	.022 25V		UK25-223				HY-725
C115	330 50V 10%		DD-331	GP330	GP333		10TS-T33
C116	1 50V .25				CN0510		10TCC-V10
C117	.022 50V 10%				M192P2239R8	QFT2-127	1FT-S22
C118	.022 25V		UK25-223				HY-725
C119	.022 25V		UK25-223				HY-725
C121	.022 25V		UK25-223				HY-725
C122	.047 50V 10%			DPMS2547	EWFTA147	QFT2-171	1FT-S47
C123	.022 25V		UK25-223				HY-725
C124	.01 50V 10%			WMF1S1	EWFTA110	QFT2-91	1FT-S10
C126	47 50V 10%		DTZ-47	NP047	CN0447		10TCC-Q47
C127	.047 25V		UK25-503		MAG2515		HY-735
C128	.01 50V 10%			WMF1S1	EWFTA110	QFT2-91	1FT-S10
C129	.033 50V 10%				M192P339R8	QFT2-149	1FT-S33
C130	.002 50V 10%			DPMS602	PVC622	QFT2-27	1FT-D22
C135	.0015 50V 10%			DPMS6015	EWFTA110	QFT2-13	1FT-D15
C137	.01 25V		UK25-103		MAG2511		HY-520
C146	.047 50V 10%			DPMS2547	EWFTA147	QFT2-171	1FT-S47
C147	.047 50V 10%			DPMS2547	EWFTA147	QFT2-171	1FT-S47
C148	.047 50V		UK25-503		MAG2515		HY-735
C149	.01 25V		UK25-103		MAG2511		HY-520
C150	.01 25V		UK25-103		MAG2511		HY-520
C151	39 25V 10%			CD15ED390J03	SX439	QW1-17	MWA-390
C152	.01 25V		UK25-103		MAG2511		HY-520
C153	220 50V 10%		DD-221		GP322		10TS-T22
C154	.01 25V		UK25-103		MAG2511		HY-520
C155	27 50V 10%			CD15ED270J03	SX427	QW1-13	MWA-270
C156	56 25V 10%			CD15ED560J03	SX456	QW1-21	MWA-560
C157	.047 25V		UK25-503		MAG2515		HY-735
C158	33 50V 10%			CD15ED330J03	SX433	QW1-15	MWA-330
C159	.0047 50V		DD-472	GP4700	GP247		5GA-D47
C160	220 50V 10%			CD15FD221J03	SX322	QW1-35	MWA-221
C161	39 25V 10%			CD15ED390J03	SX439	QW1-17	MWA-390
C162	220 50V 10%			CD15FD221J03	SX322	QW1-35	MWA-221
C163	1 50V .25				CN0510		10TCC-V10
C164	250 50V 10%			CD15FD241J03	SX324	QW1-36	MWA-241
C165	.01 25V		UK25-103		MAG2511		HY-520
C168	.022 25V		UK25-223				HY-725

REALISTIC MODEL TRC-440

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.	
						Q-LINE	GENERAL LINE
C169	.0033 50V 10%	C-0751 C-0780	DTZ-33 UK25-223 UK25-103 UK25-103 UK25-103 UK25-103 DD-820	DPMS6D1 NP033 DPMS2S47	M192P3329R8 EWF1A210 CN0433 EWF1A147 MAG2511 MAG2511 MAG2511 MAG2511	QFT2-43 QFT2-1 QFT2-171	1FT-D33 1FT-D10 10TCC-Q33 1FT-S47 HY-725 HY-520 HY-520 HY-520 HY-520
C171	.001 50V 10%						
C172	30						
C201	.047 50V 10%						
C203	.022 25V						
C205	.01 25V 10%						
C206	.01 25V 10%						
C207	.01 25V 10%						
C208	.01 25V 10%						
CT1	20						
CT2	30						
	82 50V 10%						

* Not in this table

* Not in distributor's stock. Available thru distributor on order to manufacturer.

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

ITEM No.	FUNCTION	RESIST-ANCE	REPLACEMENT DATA			
			MFR. PART No.	CENTRALAB PART No.	MALLORY PART No.	TRW PART No.
VR1	IF Gain	10K	P-6353	T-500	MTC52L1	X201R501B
VR2	Volume/Switch	5000	P-1757	F2-5000(1), SSK014, KR1	UA53A(1), SK1000, US26	BU1(1), CF60, SS1, GC
VR3	Squelch	10K	P-1750			
VR4	Squelch Range	20K	P-6409	T-20K	MTC24L1	X201R253B
VR6	S Meter	100K	P-170207	T-100K	MTC15L1	X201R105B

(1) Enlarge mounting hole.

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.
TH1	20K NTC Cold						

COILS (RF-IF)

ITEM No.	FUNCTION	REPLACEMENT DATA			REMARKS
		PART No.	OTHER IDENTIFICATION	MILLER PART No.	
L1	Mixer (10.240MHz)	CA-3683	P-380081		
L2	VCO (16MHz)	CA-4797	P-380083		
L3	RF Choke (100uH)	CB-2319	P-360026		
L4	RF Choke (100uH)	CB-2319	P-360026		
L5	Ref Osc (15.360MHz)	CA-3728	P-380101		
L6	Xmt Osc (10.695MHz)	CA-4847	P-380100		
L7	VCO Buffer (16.270MHz)	CA-3728	P-380101		
L8	Xmt Mixer (27MHz)	CA-3685	P-380084		
L9	Xmt Buffer (27MHz)	CA-3774	P-380102		
L10	Xmt Buffer (27MHz)	CA-3744	P-380102		
L11	Mixer (10.240MHz)	CA-3683	P-380081		
L101	Rec RF (27MHz)	CA-3543	P-380038		
L102	Xmt Amp (27MHz)	P-380115			
L103	RF Choke (1.8uH)	CB-2283	P-380047		
L104	Xmt Driver (27MHz)	CA-3546	P-380045		
L105	RF Choke (2.2uH)	CB-2284	P-380048		
L106	Final Loading (27MHz)	C-0755	P-380092		
L107	RF Choke (.4uH)	CA-3547	P-380044		
L108	TVI Trap (54MHz)	CA-3688	P-380086		
L109	RF Choke (.23uH)	CA-3548	P-380043		
L110	RF Choke (1.8uH)	CB-2317	P-380088		
L111	RF Choke (1.8uH)	CB-2317	P-380088		
L112	RF Choke (1.8uH)	CB-2317	P-380088		
L113	RF Choke (1.8uH)	CB-2317	P-380088		
L114	RF Choke (1.0uH)	CB-2318	P-380098		
T101	RF Amp (27MHz)	CA-4848	P-380077		
T102	RF Amp (27MHz)	CA-4849	P-380078		
T103	IF (10.695MHz)	CA-7602	P-140031		
T104	IF (455kHz)	CA-7603	P-130033		
T105	IF (455kHz)	CA-7513	P-130026		
T106	IF (455kHz)	CA-7514	P-130027		

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.	THORDARSON PART No.	TRIAD PART No.	
T107	1	.6		TN-0100 P-100346(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.	
T108	8	1.25 5.22	TD-0139 P-100347(1)			(1) Number on unit.

TRANSFORMER (Power)

ITEM No.	RATING		REPLACEMENT DATA			NOTES
	PRI.	SEC. 1	MFGR. PART No.	THORDARSON PART No.	TRIAD PART No.	
T109	120V AC @ 390mA	33.2V AC @ 5.8A AC	TA-0614			

SPEAKER

ITEM No.	TYPE	REPLACEMENT DATA		NOTES
		MFGR. PART No.	QUAM PART No.	
SP	3" PM, 8 Ohms	S-4676	30A05ZBR	

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	2A Quick Acting	P-250079		AGC2		312002		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	M-2222	18-032	18-034	18-010	18-105	4	1	3	5	2	1	

MISCELLANEOUS

ITEM No.	PART NAME	PART No.	NOTES
CF1	Filter	C-0752	10.7MHz
CF2	Filter	C-0754	455kHz
CF3	Filter	C-0754	455kHz
J1	Jack	J-0843	Antenna
J2	Jack	J-0842	Microphone
J3	Jack	J-0844	Headphone
PL1	Lamp	J-0683	External Speaker
PL2	Lamp	P-240097	Channel (14V @ 80mA)
S1	Switch	P-240096	Meter (14V @ 120mA)
S2	Switch		Power (Part of Volume Control)
X01	Crystal	S-1275	Channel Selector
X02	Crystal	P-1750	Squelch
	Crystal	MX-2295	10.240MHz
	Crystal	MX-2297	10.240MHz
	Crystal	MX-2296	10.695MHz
	Crystal	MX-2299	10.695MHz
	Cord	P-310054	AC
	Meter	P-230058	S Units
	Printed Circuit Board	X-7442	Filter
	Printed Circuit Board	P-200380	Main
	Printed Circuit Board	P-200382	Power
	Printed Circuit Board	S-0807	Switch

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

ITEM	PART No.	ITEM	PART No.
Cabinet	Z-3482	Back Panel	Z-3483
Knob, Channel Selector	K-2428	Front Panel	Z-3481
Knob, Control	K-2554		

REALISTIC MODEL TRC-440