



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 14T303

RCA MODEL 14T303

MANUFACTURER'S SPECIFICATIONS

GENERAL

Channels: 40

Frequency Range: 26,965-27.405 MHz

Operating Temperature Range:

-30°C to +50°C (-22°F to +112°F)

Power Source:

105-120 V AC 50/60 Hz or 12 V DC systems

Current Drain:

Transmit: 1.5A nominal

Receive: 1.2A (full audio)

Dimensions:

12-1/4" x 10-1/8" x 4-1/4"

311 mm x 257 mm x 108 mm

Weight: 8 lbs. 13 oz. (4 kg)

TRANSMITTER

Emission: 6A3

RF Power Output: 4W

Modulation Type: AM

Modulation Level:

100% max. AM (limited to FCC specs)

Spurious Suppression: -60 dB or more

Harmonic and Spurious Suppression:

-60 dB or more

Antenna Impedance: for 40 ohm antenna systems

RECEIVER

Sensitivity: 0.5 μ V for 10 dB S/N

Adjacent Channel Rejection:

-40 dB or more

Image Rejection: 60 dB (1st IF)

IF Frequency:

1st IF: 10.695 MHz

2nd IF: 455 KHz

Squelch Sensitivity: 1.5-100 μ V

Audio Output: 3 watts

Courtesy of the Manufacturer

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

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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 input. Connect low sides of test equipment to ground unless specified otherwise. Connect 50-ohm dummy load or antenna before keying transmitter. Connect microphone. Before adjustment or alignment, adjust RV1a for 13.8 volts at pin 3 of power supply board. Connect microphone.

Suggested Alignment Tools:

L14, T7 thru T10.	GC ELECTRONICS: .5009, 8728-A, 8728
L7, L11, L12.	.9304, 9300, 9302
L1, L2, L5, T1 thru T6.	.9440
CT1	.5000, 8276

SYNTHESIZER ALIGNMENT

TEST EQUIPMENT	TRANSCEIVER	ADJUST	REMARKS
Input of frequency counter to TP1 (Q2, Emitter).	Ch. 19 Delta Tune 0	CT1	Adjust for 10.240MHz $\pm$ 50Hz.
Input of RF VTVM to TP2 (T1, Secondary).	Ch. 19 Delta Tune 0	T1	Adjust for maximum.
Input of DC meter to TP8.	Ch. 1	L1	Adjust for 3.60V $\pm$.1V.
Input of RF VTVM to TP4 (IC3, Pin 4).	Ch. 19	L2,T2	Adjust for maximum.
Input of frequency counter to TP4 (IC3, Pin 4).	Ch. 1		Check for 37.660MHz. Check all channels. (See Truth Chart for correct frequencies.)
Input of frequency counter to TP3 (IC3, Pin 1).	Ch. 19, XMT		Check for 10.695MHz.

RECEIVER ALIGNMENT

Connect an AC VTVM or AF wattmeter across speaker voice coil. Adjust volume control to obtain a suitable indication. Delta Tune 0, Squelch MINIMUM, ANL Off, NB Off, RF Gain Maximum.

TEST EQUIPMENT	TRANSCEIVER	ADJUST	REMARKS
Output of signal generator thru .01uF to TP10. (Q10, Emitter). 455kHz, 1000Hz @ 30% modulation.	Ch. 19	T10,T9,T8	Adjust for maximum output.
Output of signal generator thru .01uF to antenna jack. 27.185MHz, 1000Hz @ 30% modulation.	Ch. 19	T7,L14,T6,T5	Adjust for maximum output. If necessary, readjust T8, T9 and T10.

RECEIVER ADJUSTMENTS

Connect an AC VTVM or AF wattmeter across speaker voice coil.
Adjust volume control to obtain a suitable indication.
Delta Tune 0, ANL Off, NB Off, RF Gain Maximum.

TEST EQUIPMENT	TRANSCIVER	ADJUST	REMARKS
Output of signal generator thru .01uF to antenna jack. 27.185MHz, 1000Hz @ 30% modulation. Output 100uV.	Ch. 19	RV1b	SQUELCH RANGE Set squelch control fully clockwise. Adjust RV1b so that squelch just breaks.
Output of signal generator thru .01uF to antenna jack. 27.185MHz, 1000Hz @ 30% modulation. Output 100uV.	Ch. 19 SRF/CAL/SWR S/RF	RV3	S METER Adjust for 9 on S scale of meter.

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	TRANSCIVER	ADJUST	REMARKS
	Ch. 19	L5,T3,T4 L7,L11,L12	Adjust for maximum.
	Ch. 19	L7	Adjust clockwise for 4.4 watts.
	Ch. 19	L12	Adjust counterclockwise for 3.8 watts.

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TRANSMITTER ADJUSTMENTS

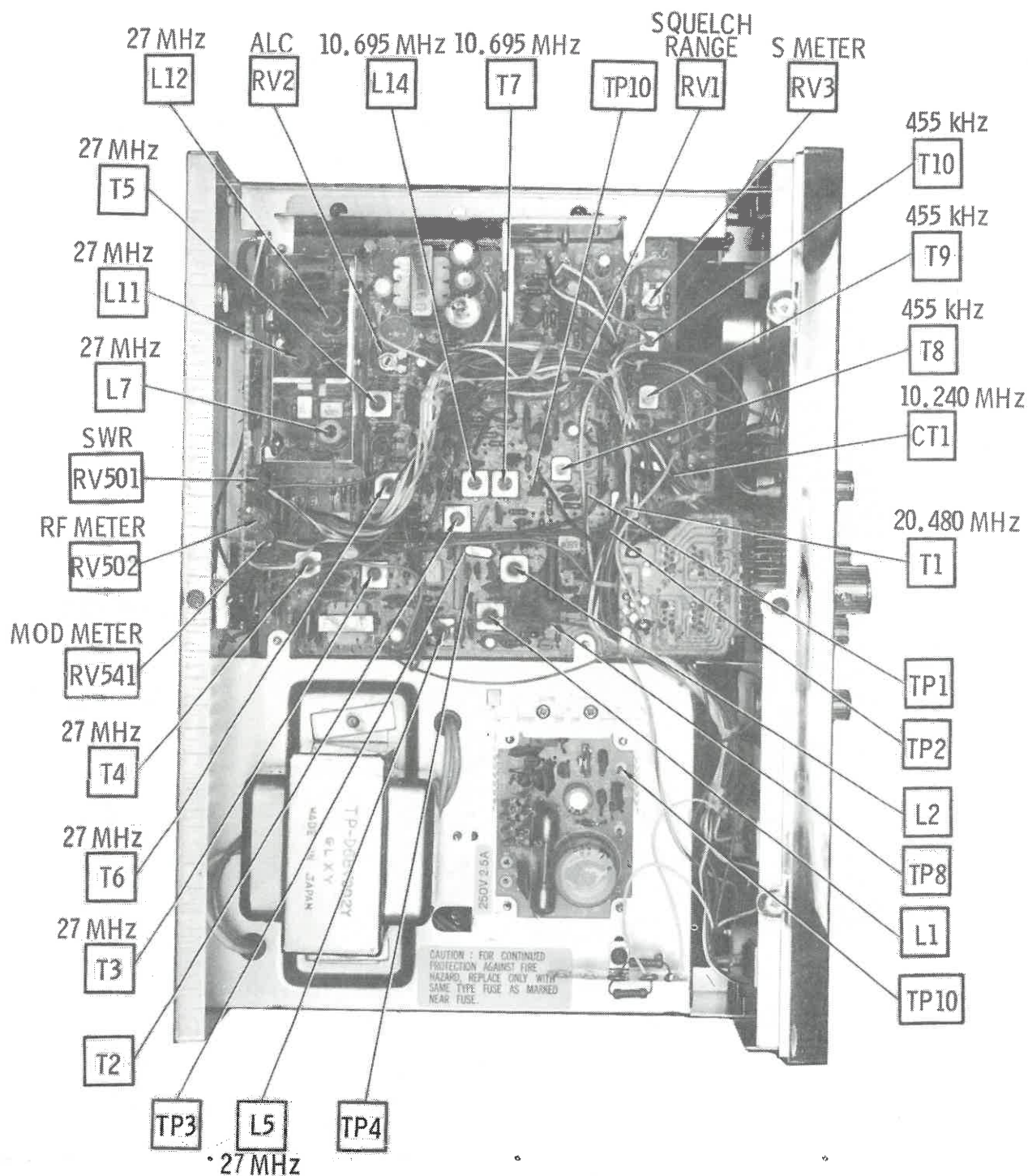
Connect an RF wattmeter and 50-ohm, 25-watt dummy load to antenna connector.
NOTE: Be sure to check transmit frequency and power on all active channels after adjustments of transmitter.
See page 4 for channel frequencies.

TEST EQUIPMENT	TRANSCIVER	ADJUST	REMARKS
Modulation meter to antenna jack. Inject a 20mV, 100Hz signal at mic input.	Ch. 19	RV2	AMC Adjust for 90% modulation.
Modulation meter to antenna jack. Inject a 20mV, 1000Hz signal at mic input.	Ch. 19	RV541	MODULATION METER Adjust so that modulation meter reads in the space between the last two white dashes on the right.
Connect an RF wattmeter and 50-ohm, 25 watt dummy load to antenna connector.	Ch. 19 S/RF/CAL/SWR S/RF	RV502	RF PANEL METER Adjust so that RF panel meter agrees with RF wattmeter.
Connect a 100 ohm, 5 watt non-inductive resistor to antenna jack.	Ch. 19	RV501	SWR Place S/RF/CAL/SWR switch to CAL. Adjust SWR/CAL VR4 to SET and SWR meter. Place S/RF/CAL/SWR switch to SWR. Adjust RV501 for 2 on SWR scale of meter.

TRUTH CHART

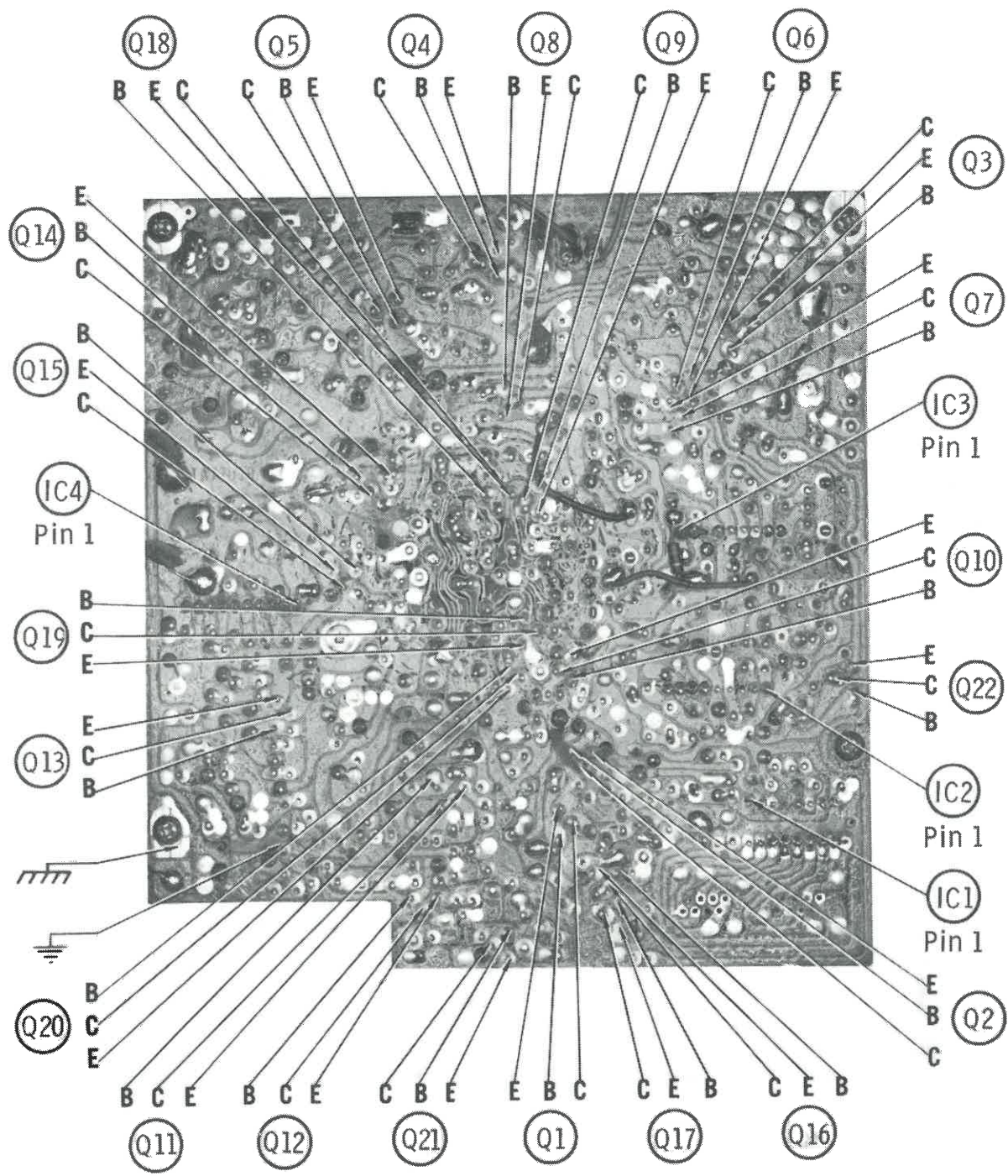
1 = <u>5.33</u> Volts 0 = <u>0</u> Volts								
C H A N N E L	IC1 PROGRAM DIVIDER							REC & XMIT VCO OUTPUT IN MHz AT TP4
	PINS							
	9	10	11	12	13	14	15	
1	1	0	0	1	0	1	0	37.660
2	1	0	0	1	0	0	1	37.670
3	1	0	0	1	0	0	0	37.680
4	1	0	0	0	1	1	0	37.700
5	1	0	0	0	1	0	1	37.710
6	1	0	0	0	1	0	0	37.720
7	1	0	0	0	0	1	1	37.730
8	1	0	0	0	0	0	1	37.750
9	1	0	0	0	0	0	0	37.760
10	0	1	1	1	1	1	1	37.770
11	0	1	1	1	1	1	0	37.780
12	0	1	1	1	1	0	0	37.800
13	0	1	1	1	0	1	1	37.810
14	0	1	1	1	0	1	0	37.820
15	0	1	1	1	0	0	1	37.830
16	0	1	1	0	1	1	1	37.850
17	0	1	1	0	1	1	0	37.860
18	0	1	1	0	1	0	1	37.870
19	0	1	1	0	1	0	0	37.880
20	0	1	1	0	0	1	0	37.900

1 = <u>5.33</u> Volts 0 = <u>0</u> Volts								
C H A N N E L	IC1 PROGRAM DIVIDER							REC & XMIT VCO OUTPUT IN MHz AT TP4
	PINS							
	9	10	11	12	13	14	15	
21	0	1	1	0	0	0	1	37.910
22	0	1	1	0	0	0	0	37.920
23	0	1	0	1	1	0	1	37.950
24	0	1	0	1	1	1	1	37.930
25	0	1	0	1	1	1	0	37.940
26	0	1	0	1	1	0	0	37.960
27	0	1	0	1	0	1	1	37.970
28	0	1	0	1	0	1	0	37.980
29	0	1	0	1	0	0	1	37.990
30	0	1	0	1	0	0	0	38.000
31	0	1	0	0	1	1	1	38.010
32	0	1	0	0	1	1	0	38.020
33	0	1	0	0	1	0	1	38.030
34	0	1	0	0	1	0	0	38.040
35	0	1	0	0	0	1	1	38.050
36	0	1	0	0	0	1	0	38.060
37	0	1	0	0	0	0	1	38.070
38	0	1	0	0	0	0	0	38.080
39	0	0	1	1	1	1	1	38.090
40	0	0	1	1	1	1	0	38.100



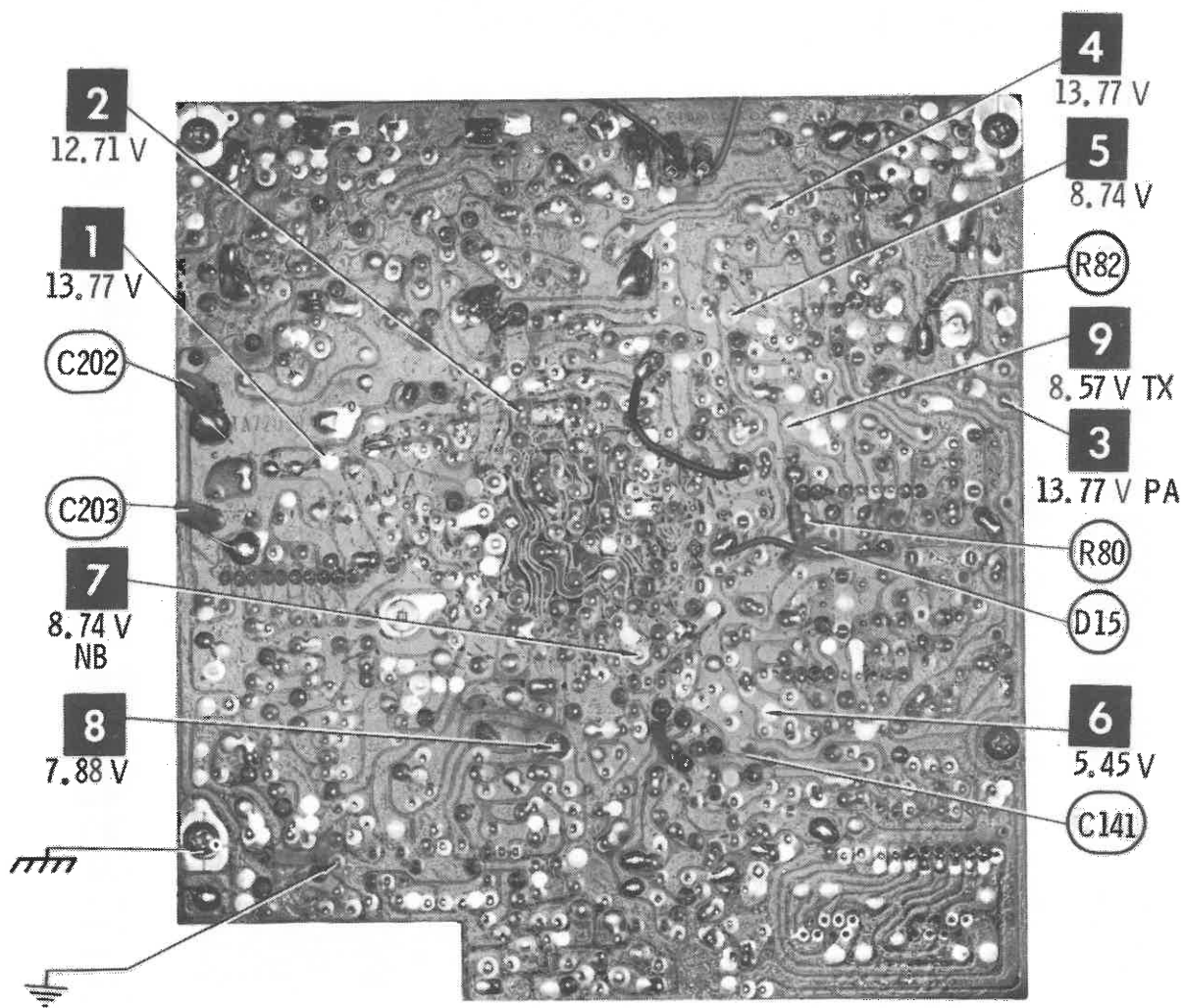
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CHASSIS-TOP

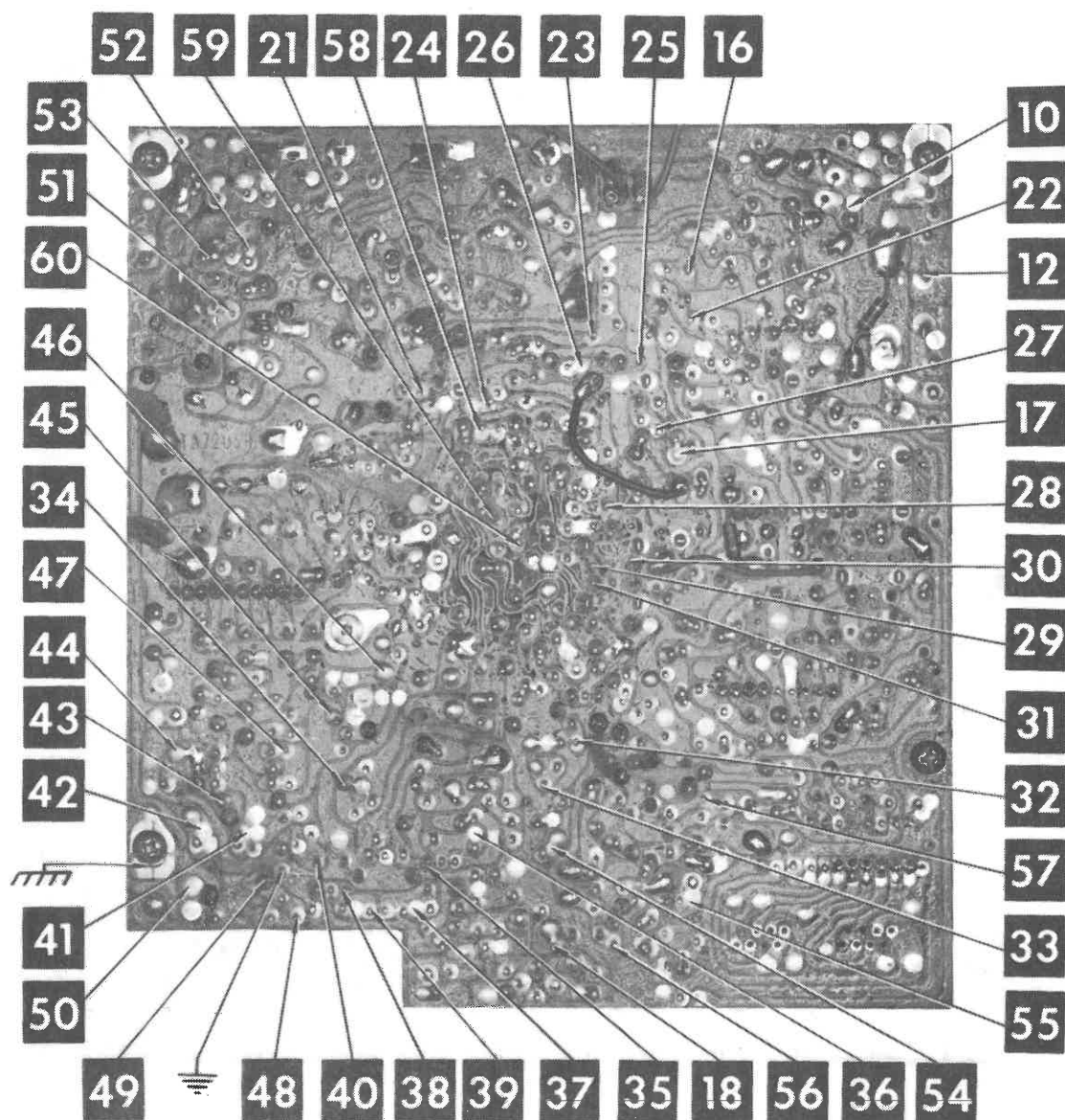


MAIN BOARD

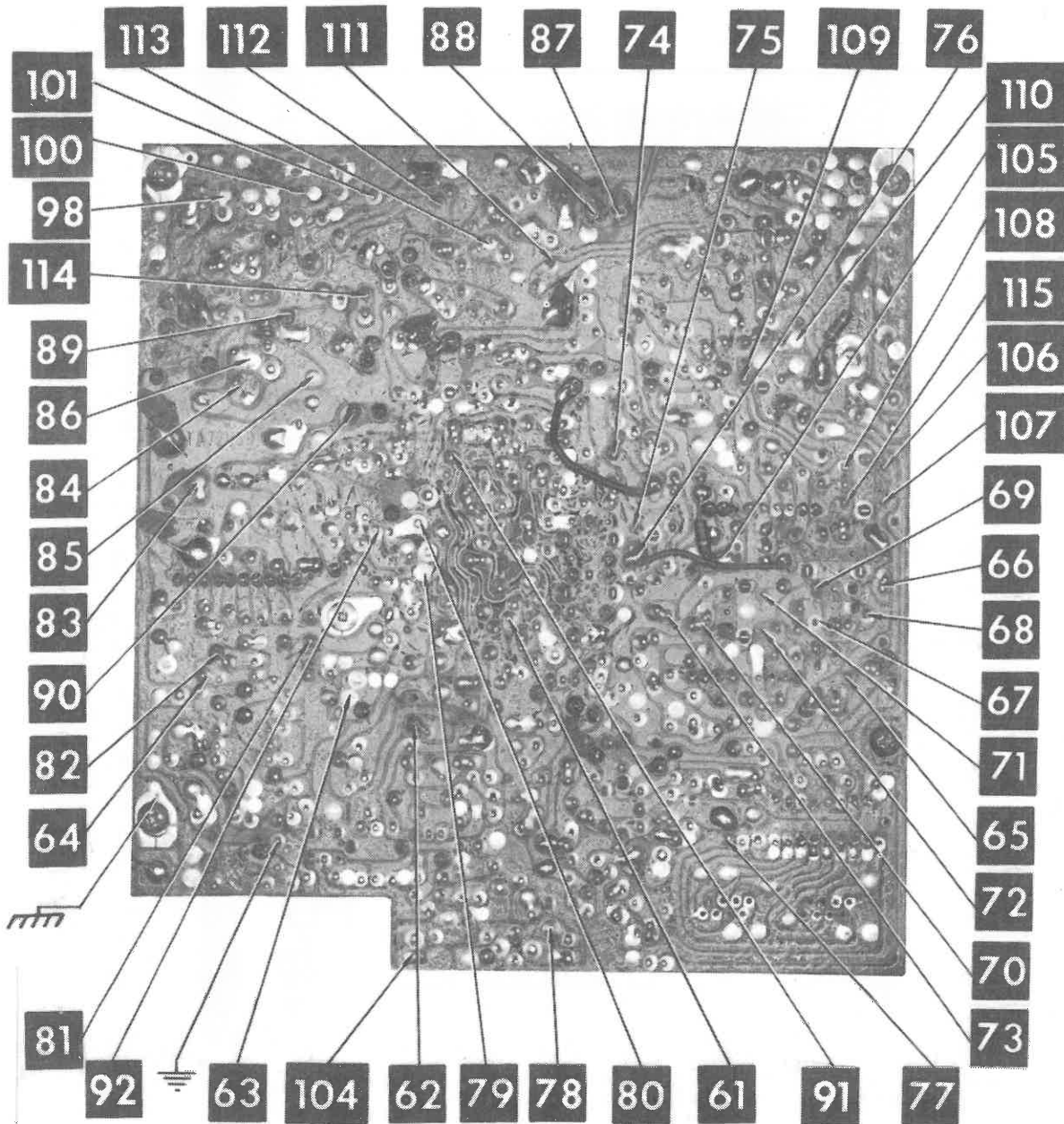
RCA MODEL 14T303



MAIN BOARD

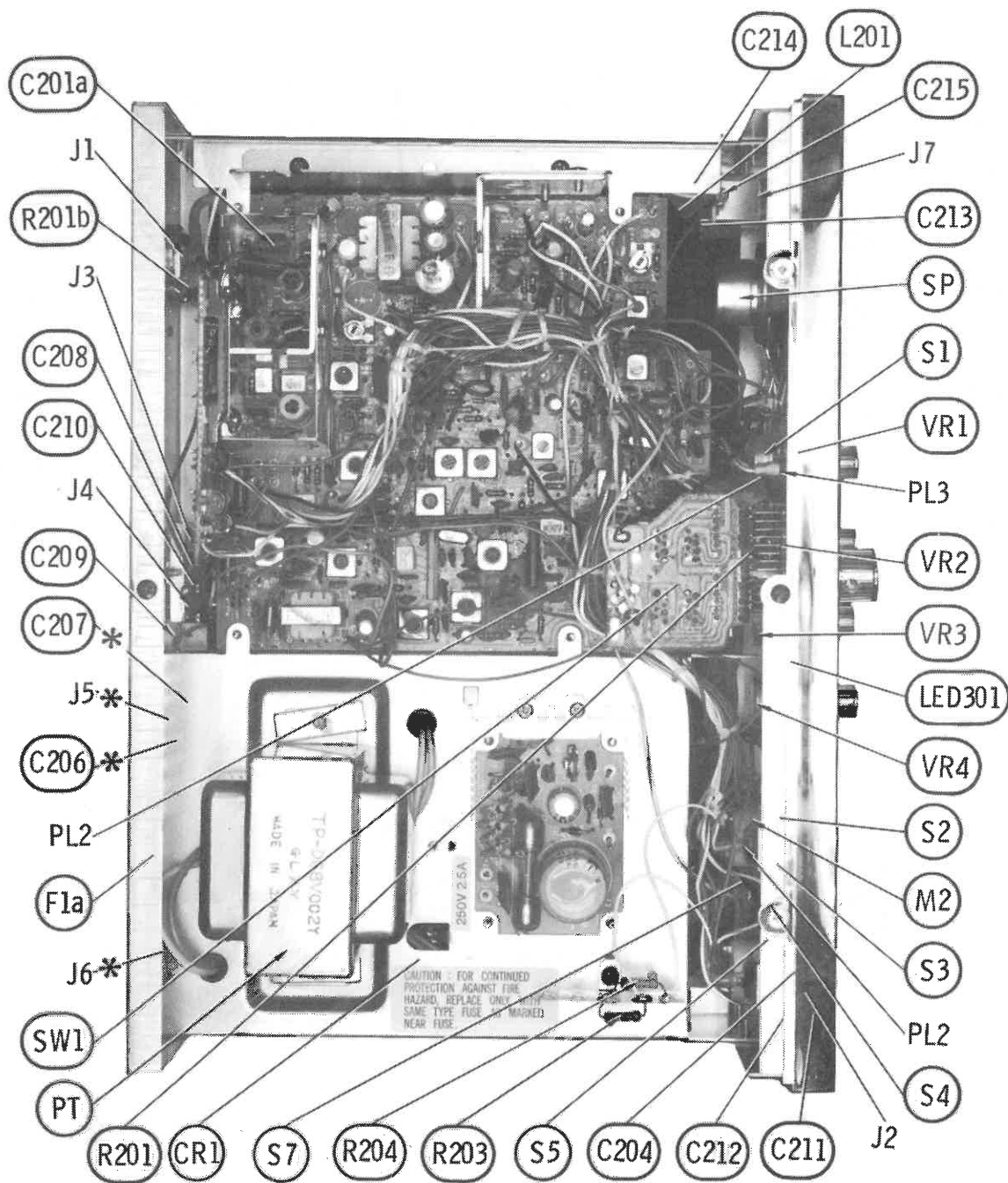


MAIN BOARD



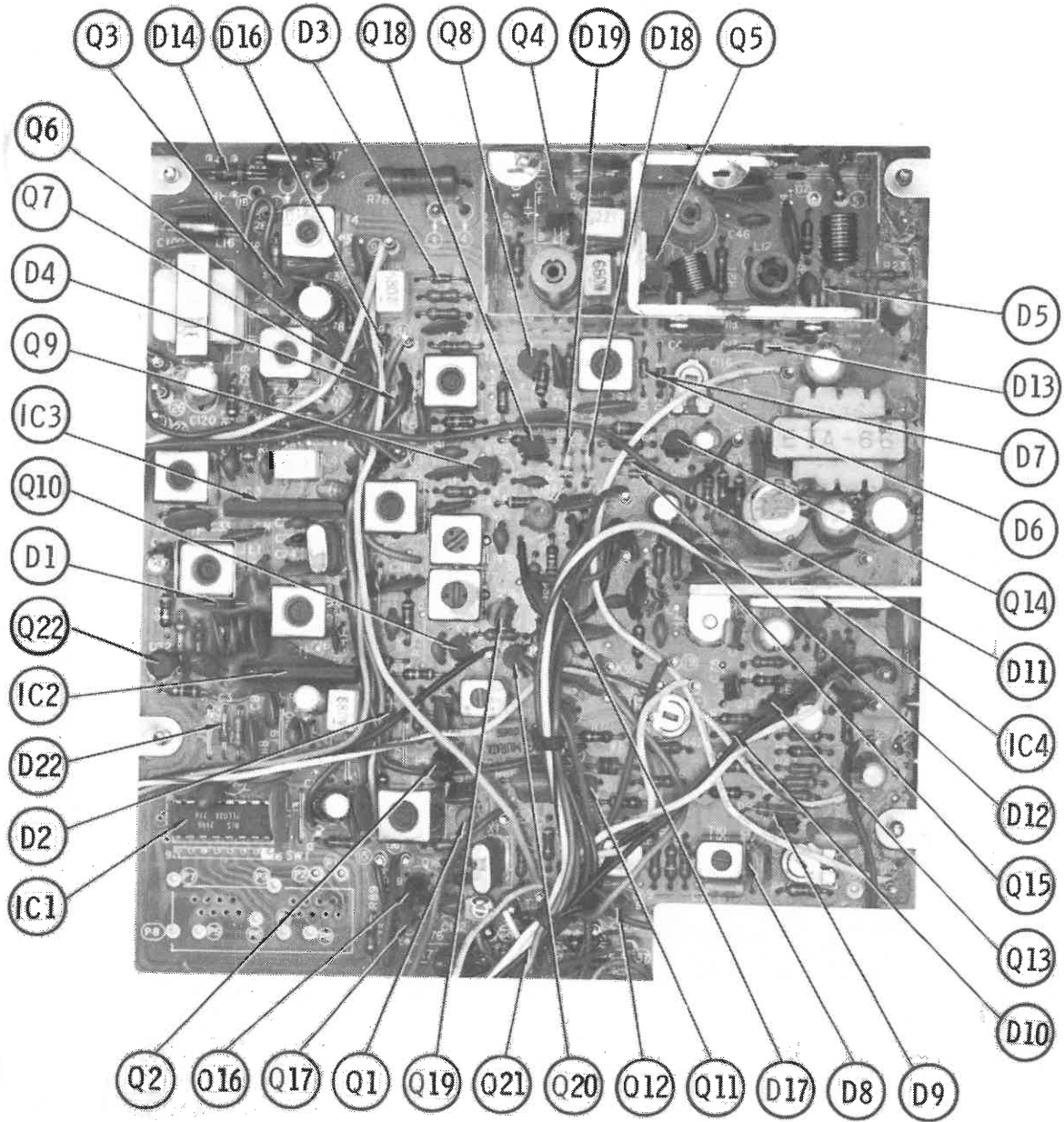
RCA MODEL 14T303

MAIN BOARD

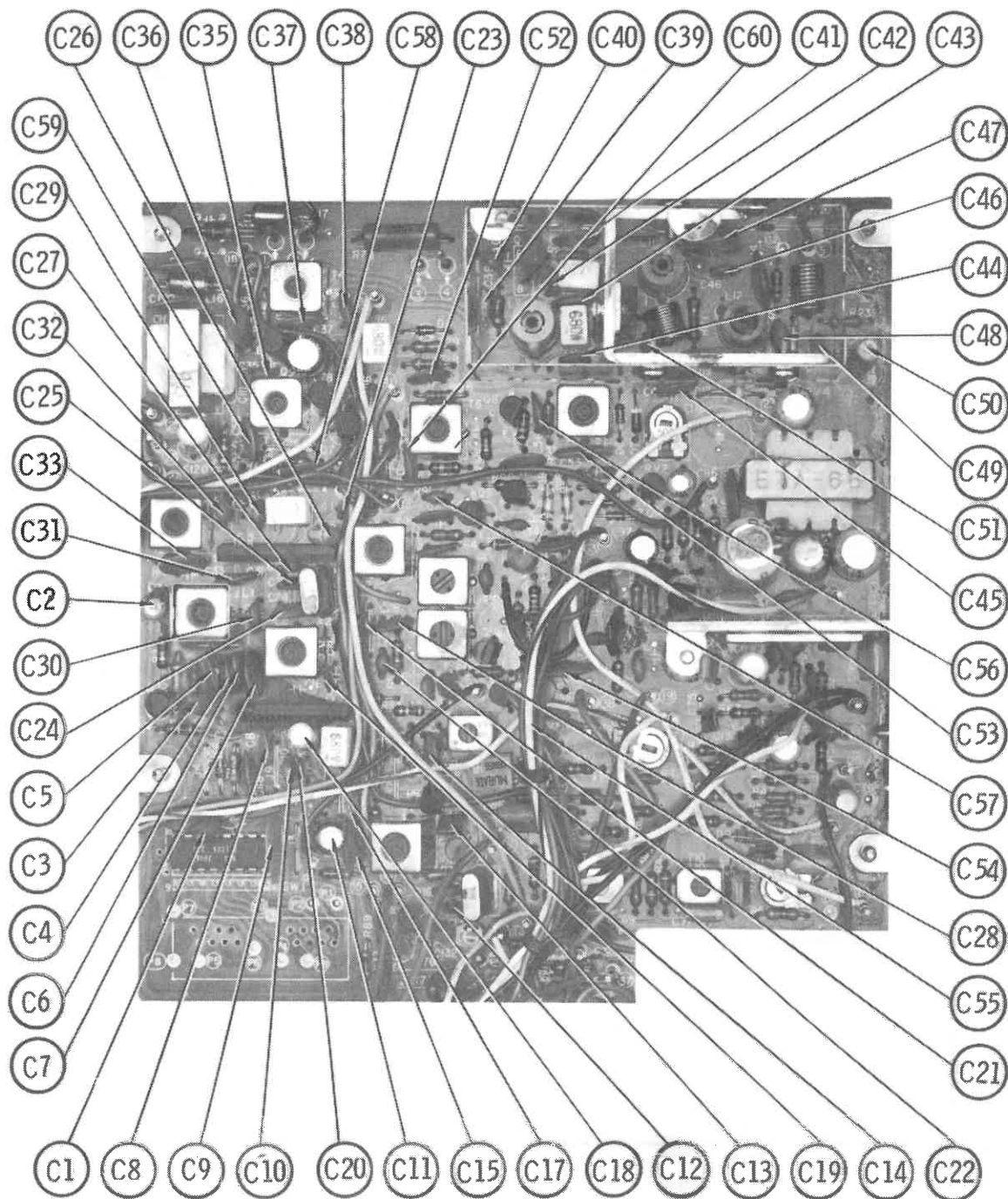


* Located on bottom of board

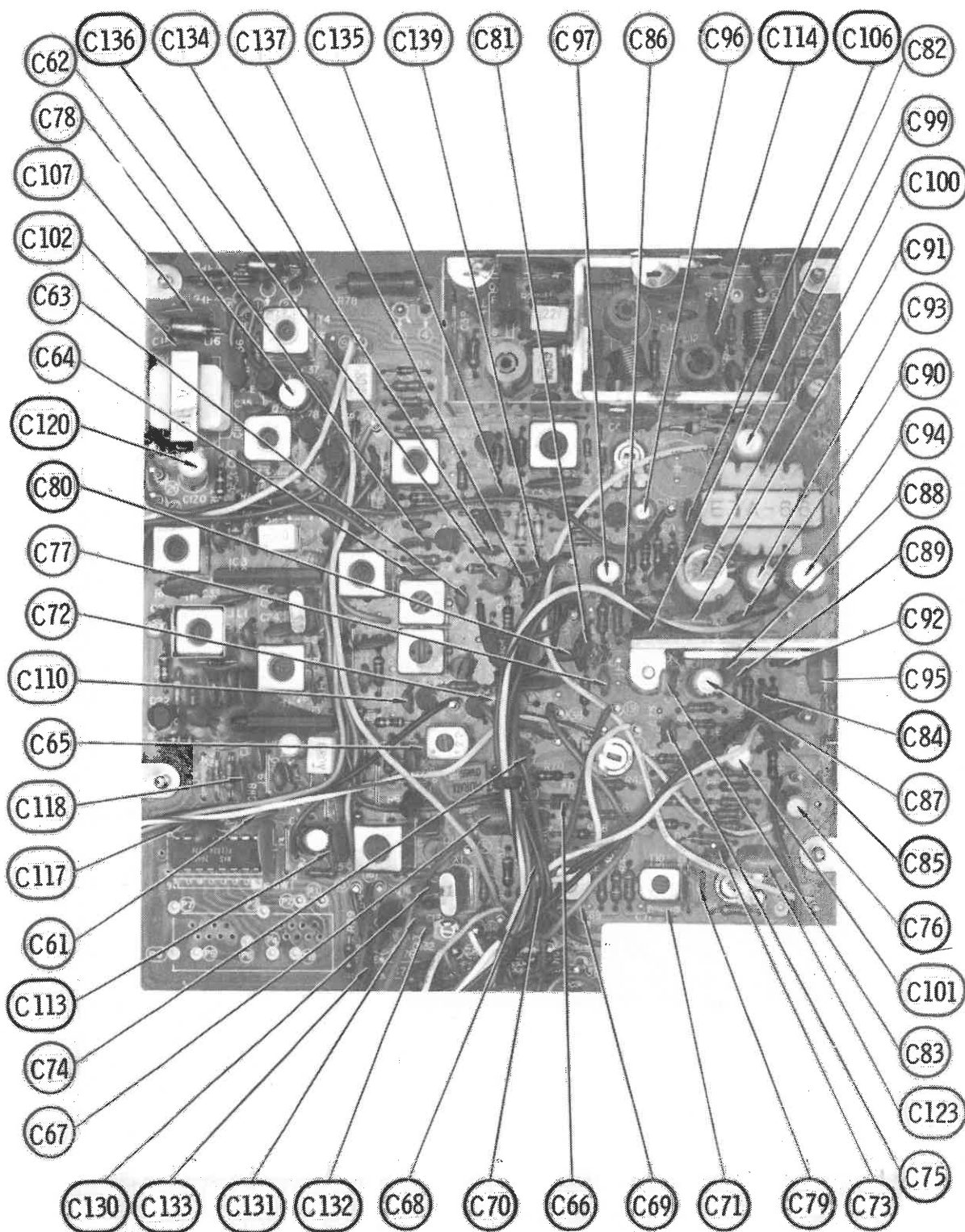
CHASSIS-TOP



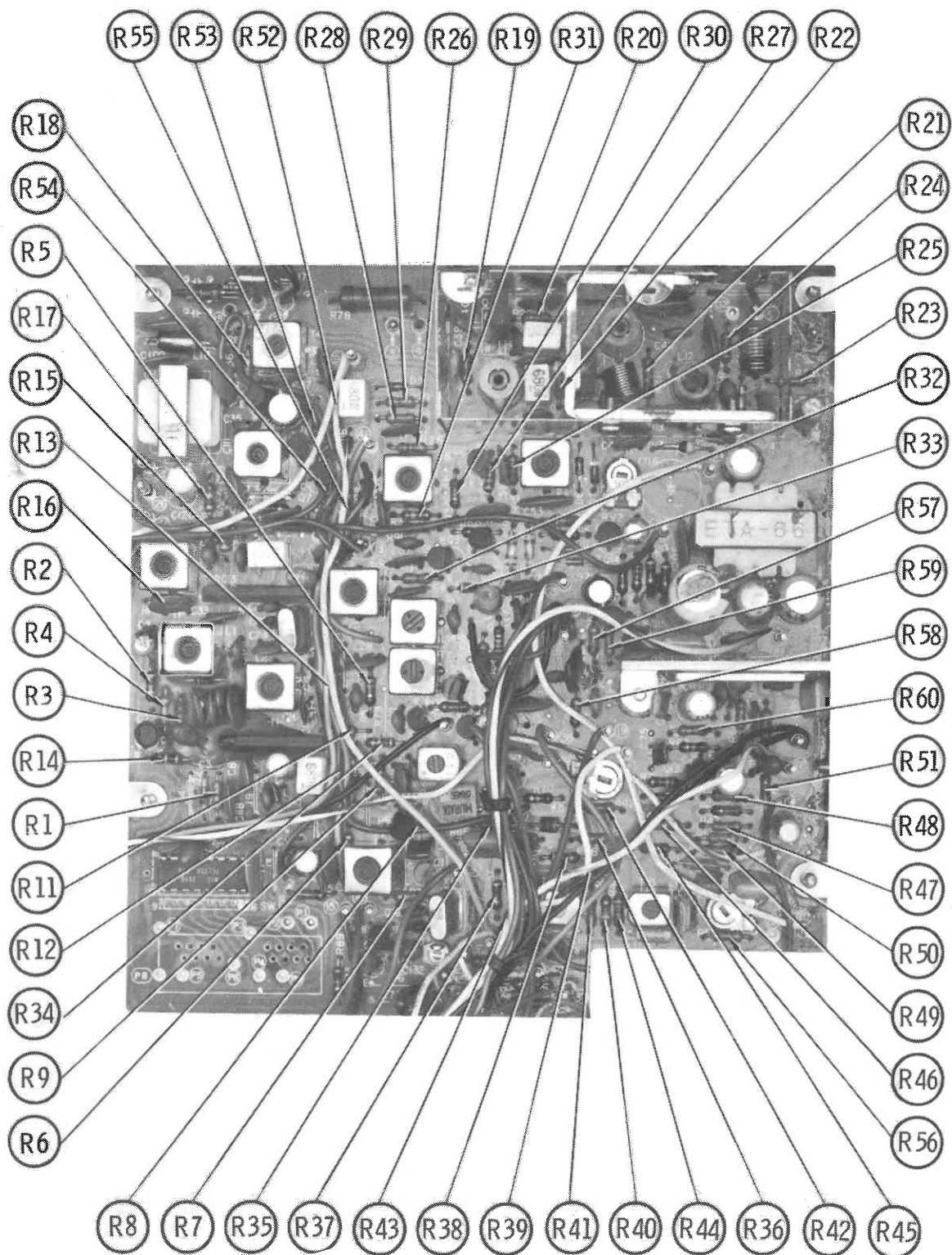
MAIN BOARD



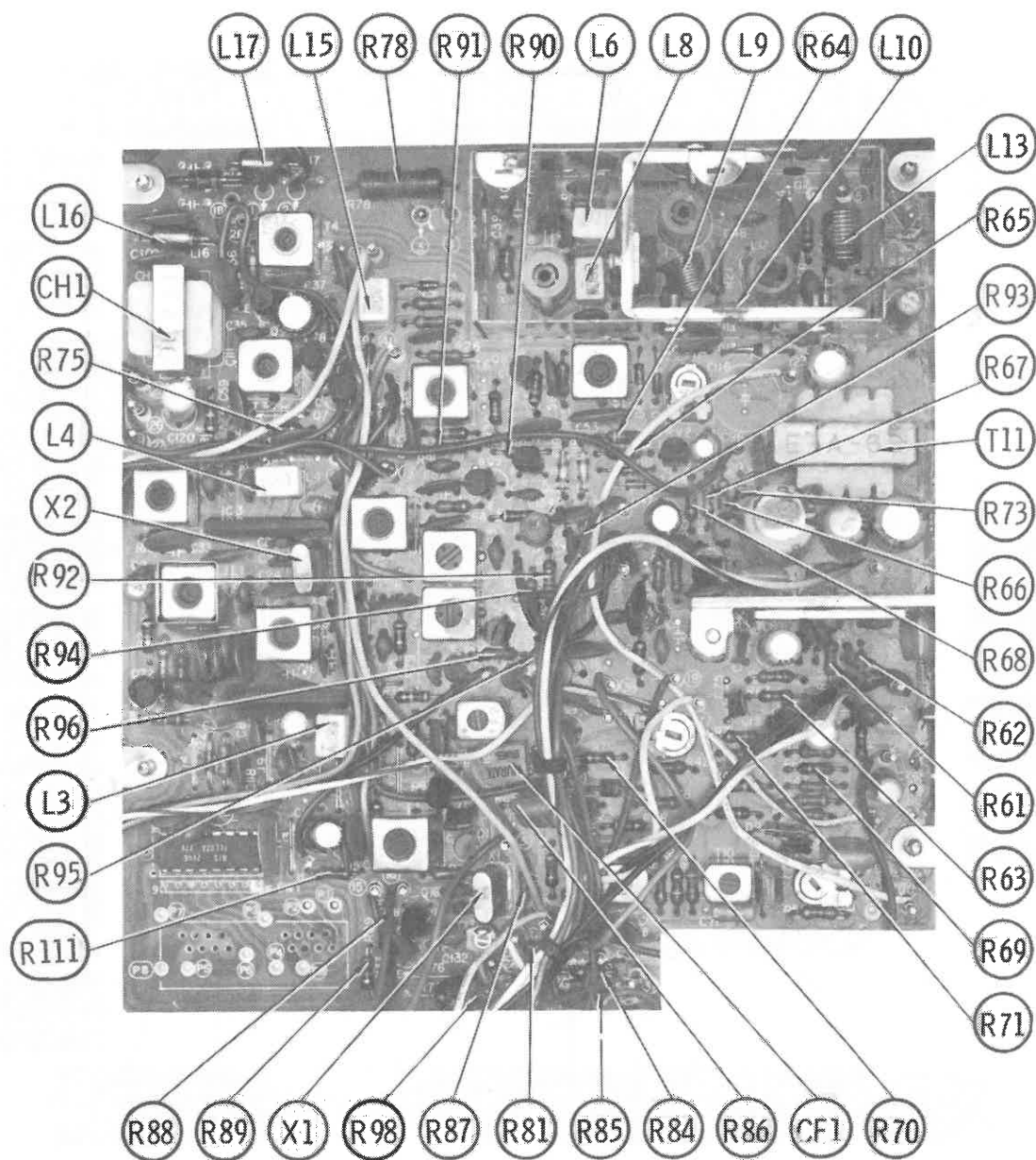
MAIN BOARD



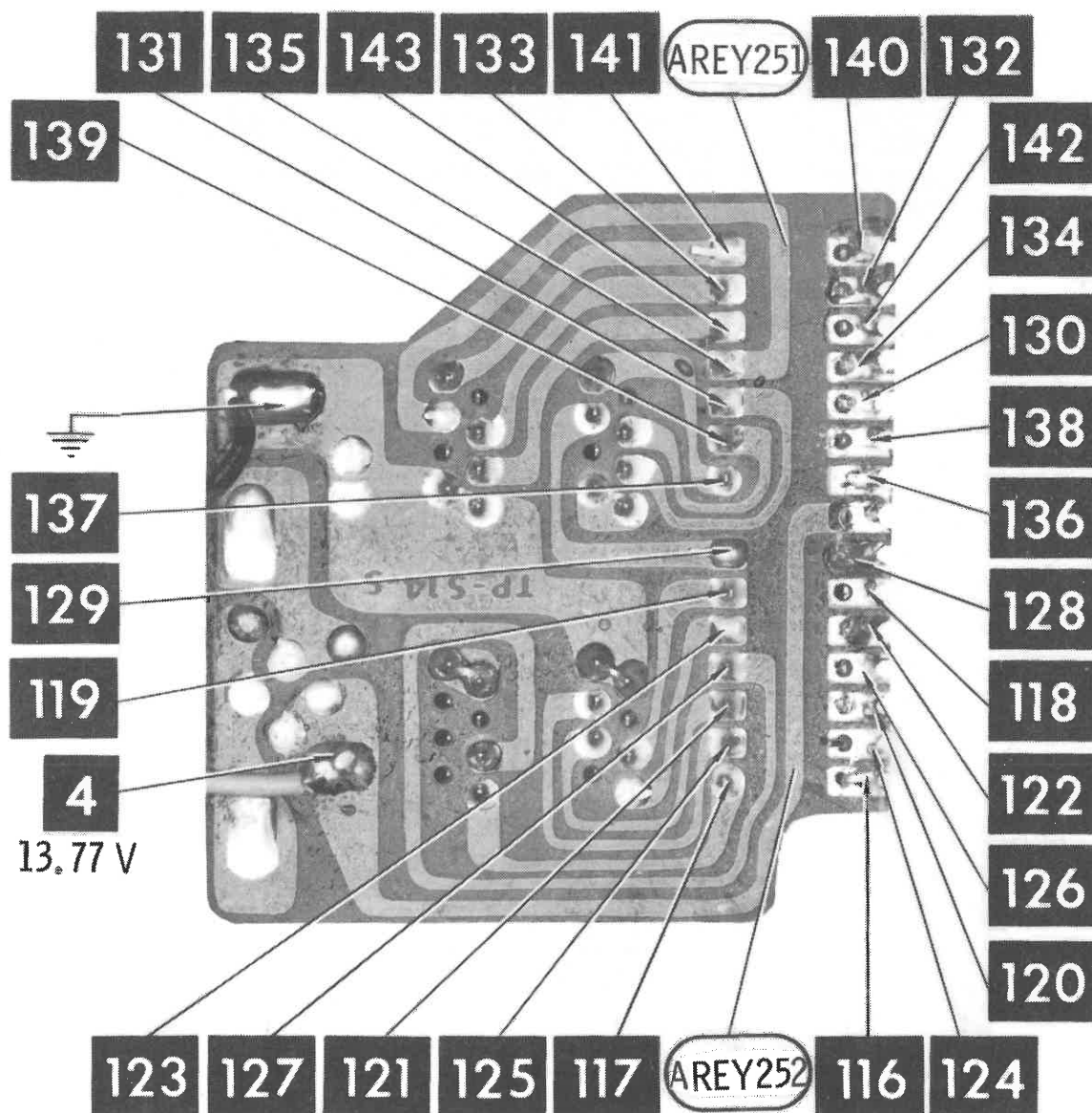
MAIN BOARD



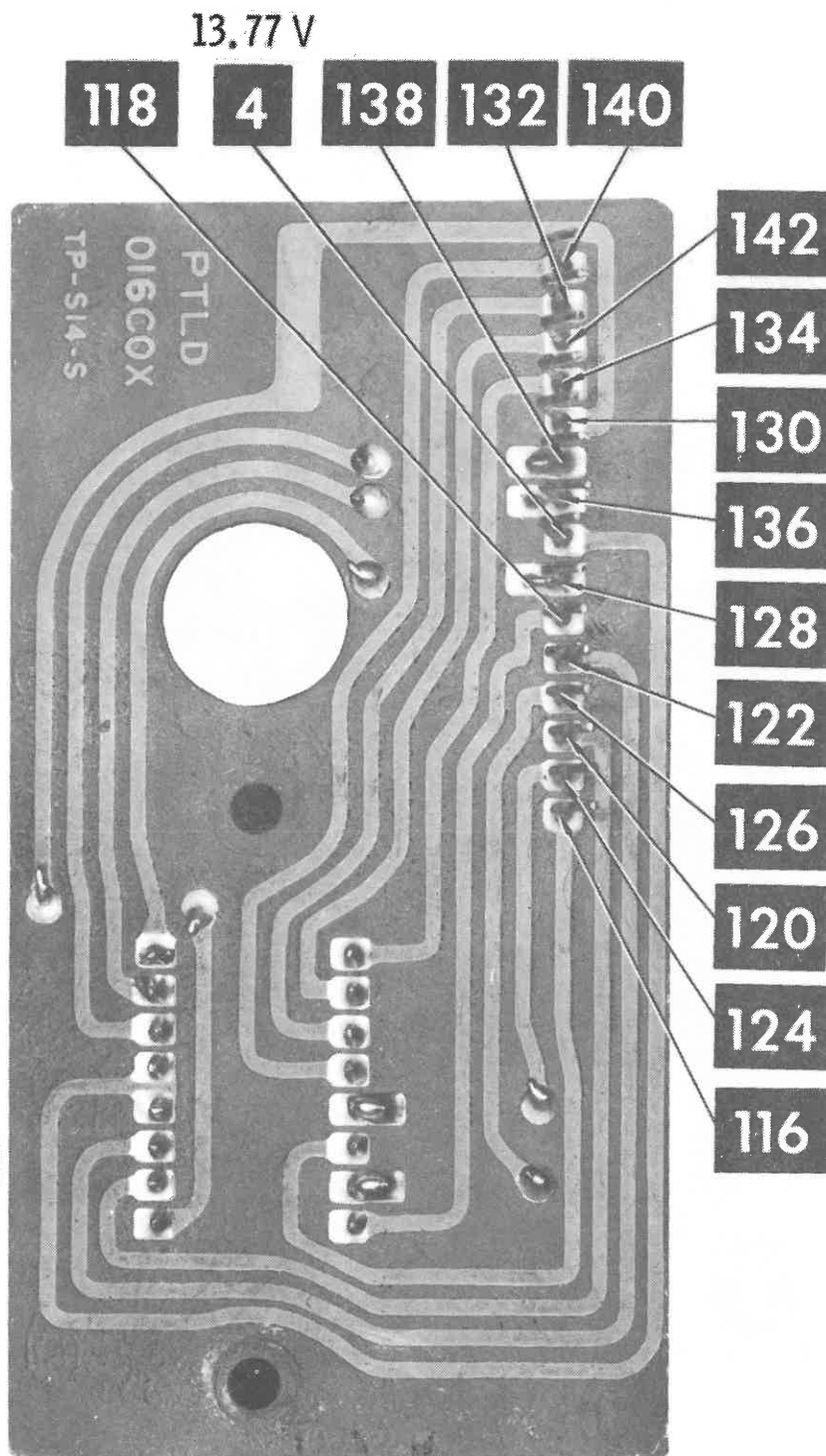
MAIN BOARD



MAIN BOARD

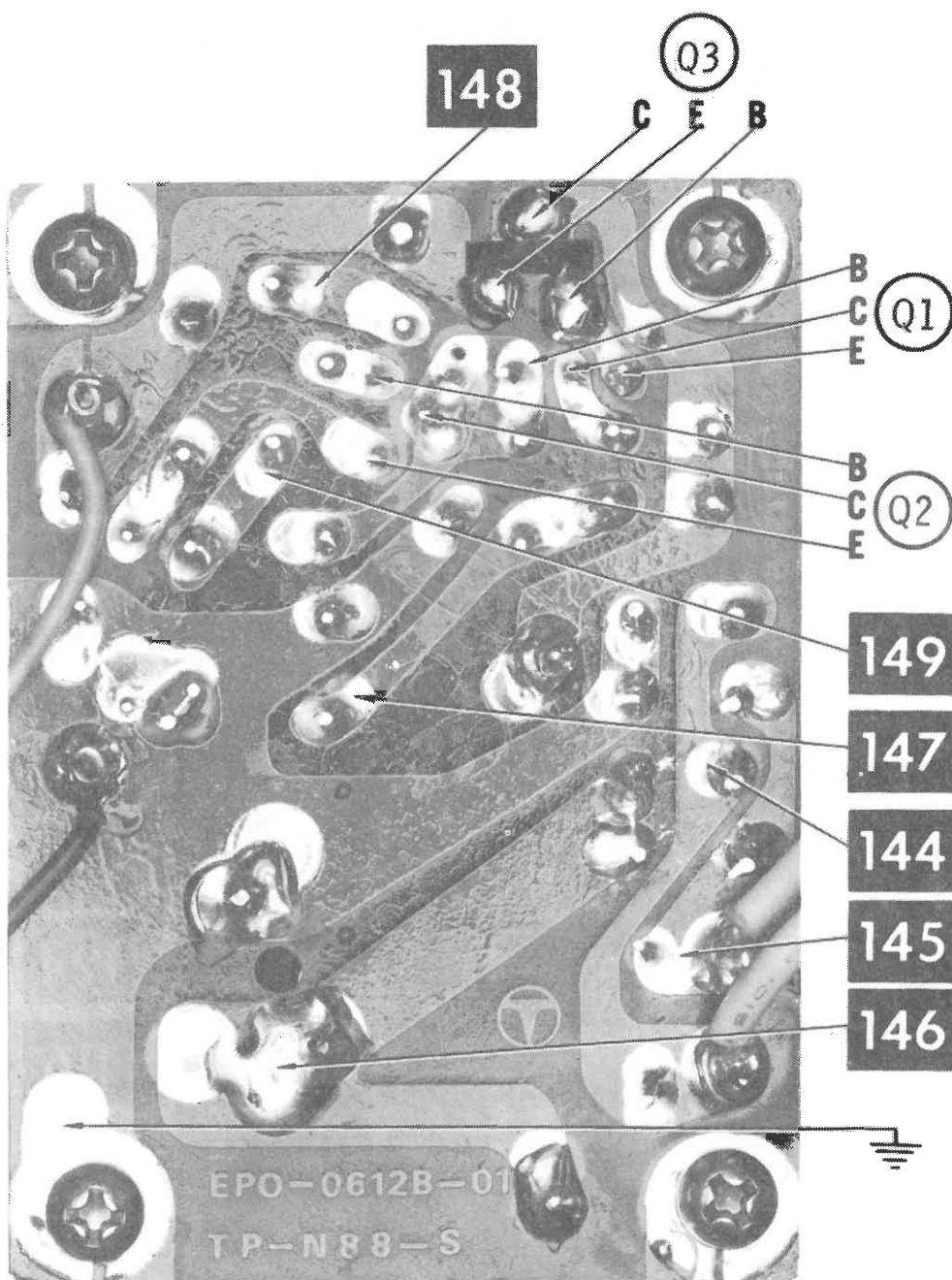


CH. SELECTOR BOARD

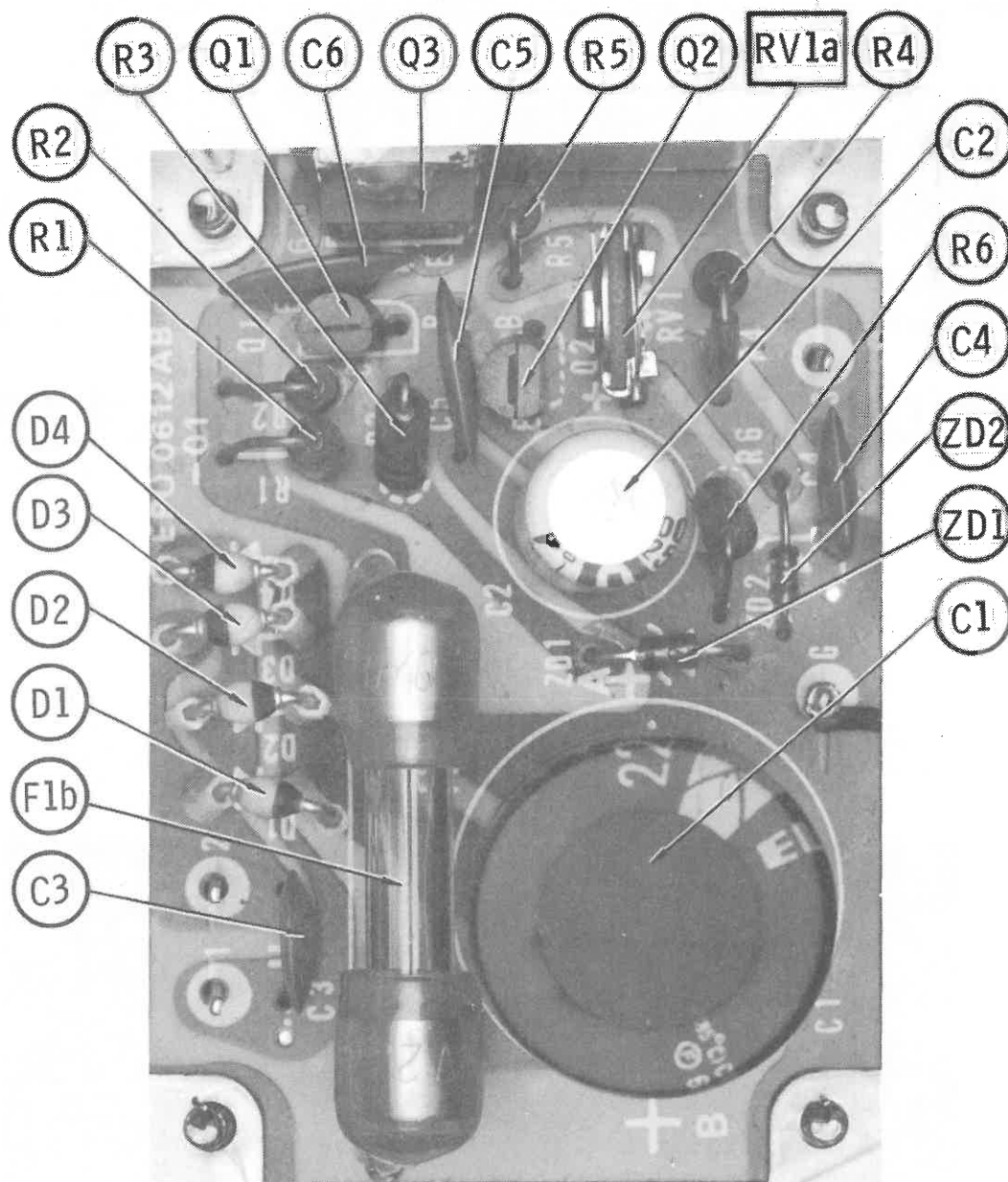


RCA MODEL 14T303

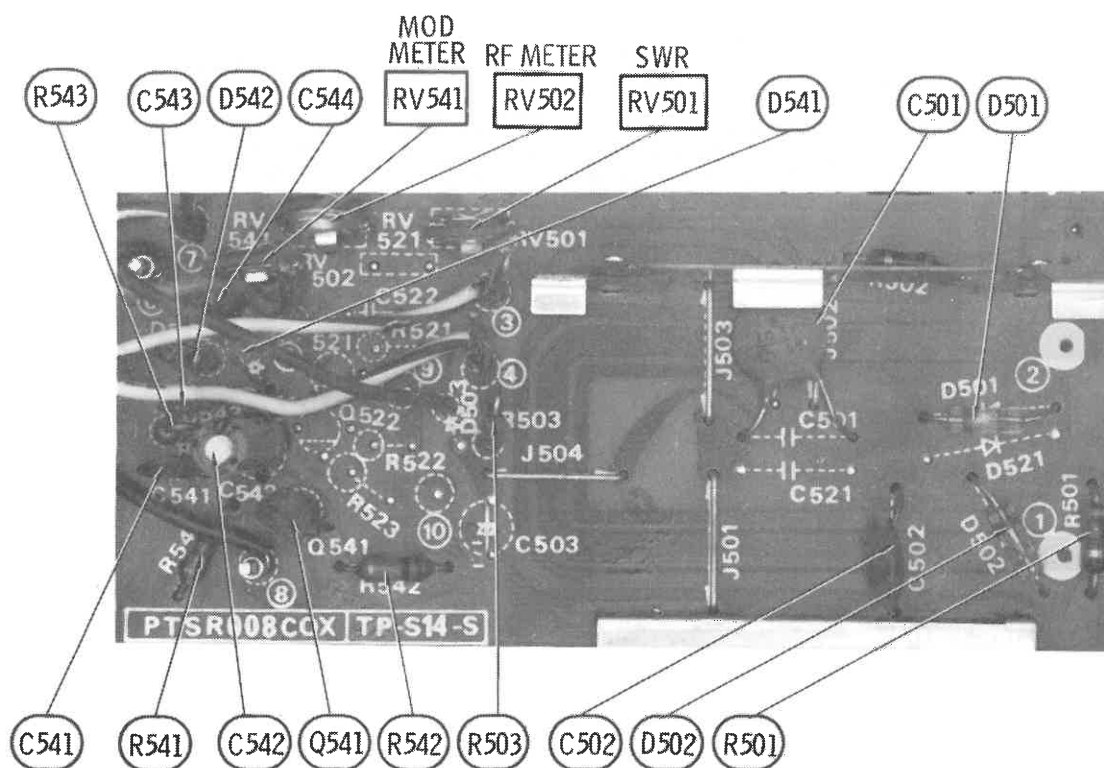
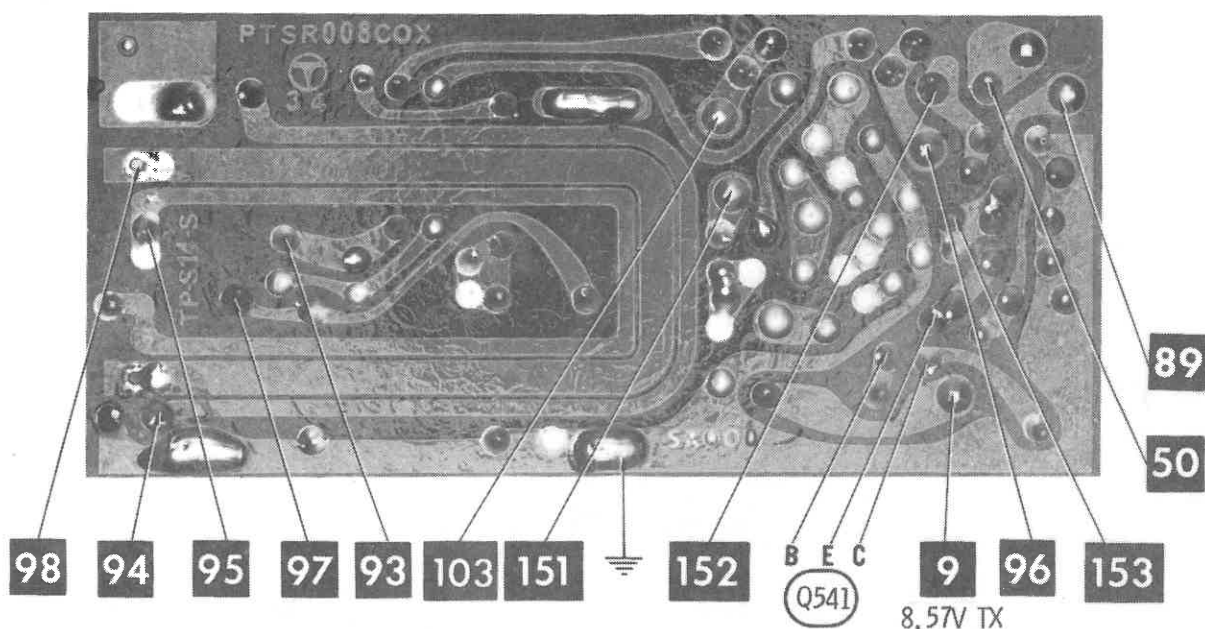
LED READOUT BOARD



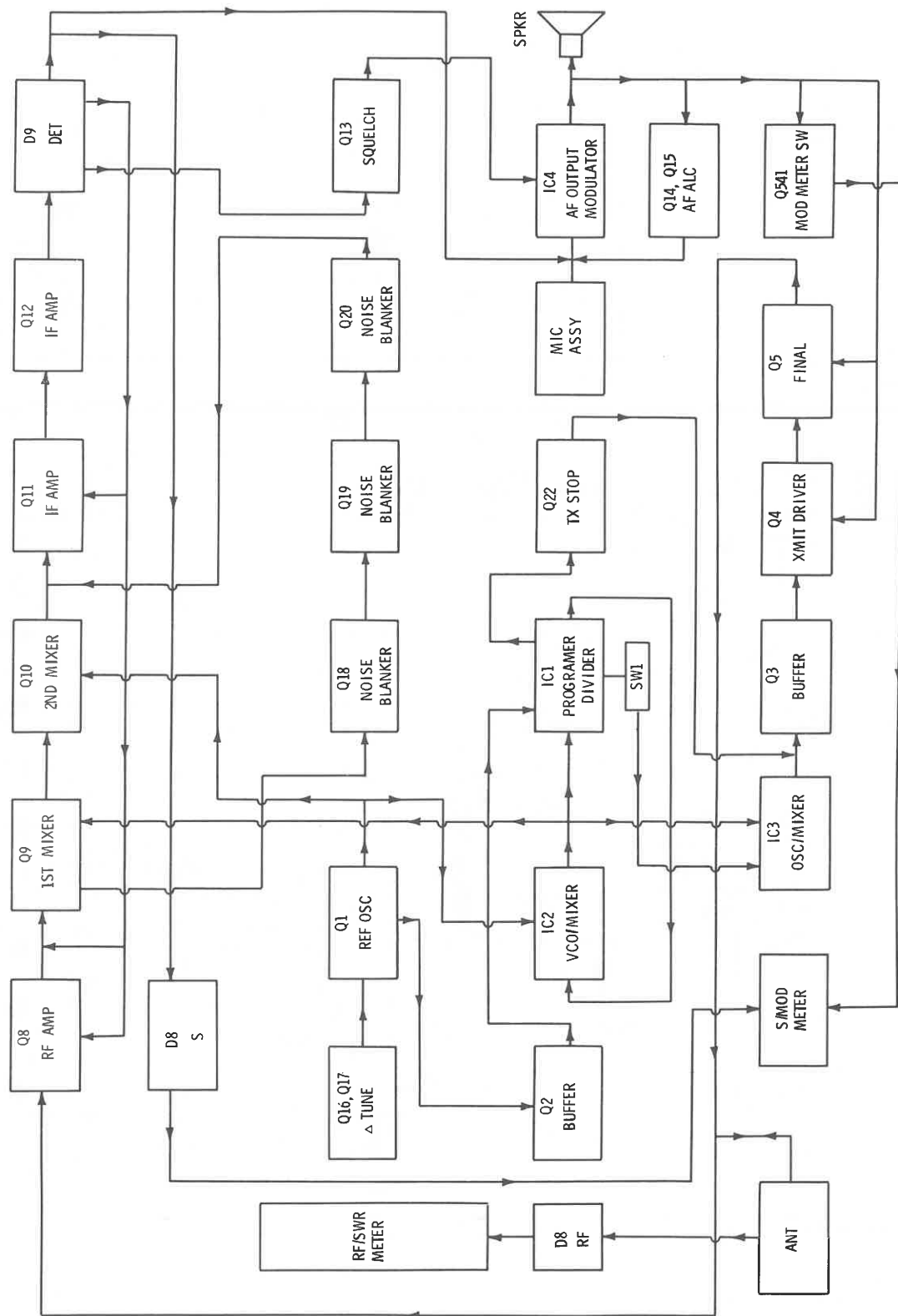
POWER SUPPLY BOARD



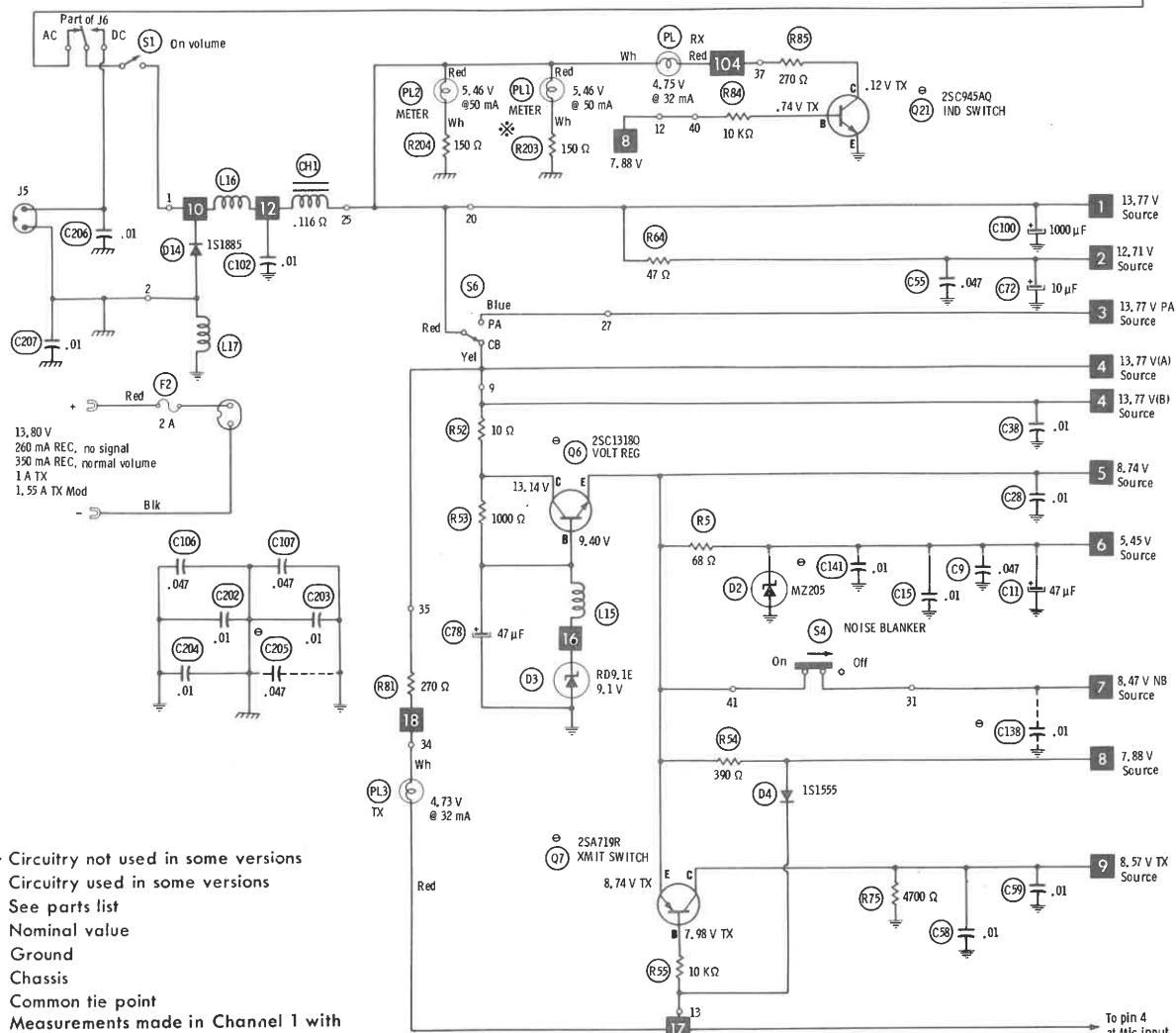
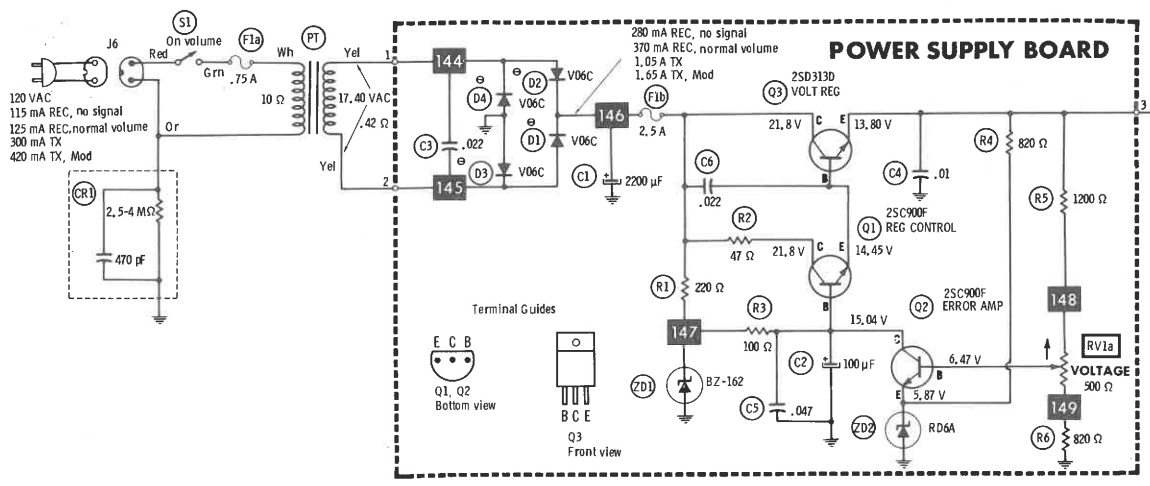
POWER SUPPLY BOARD



METER & SWR BOARD



BLOCK DIAGRAM



- ✖ Circuitry not used in some versions
 - Circuitry used in some versions
 - ⊕ See parts list
 - ✱ Nominal value
 - ⊥ Ground
 - ⏏ Chassis
 - ▽ Common tie point
- 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.

PARTS LIST AND DESCRIPTION

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

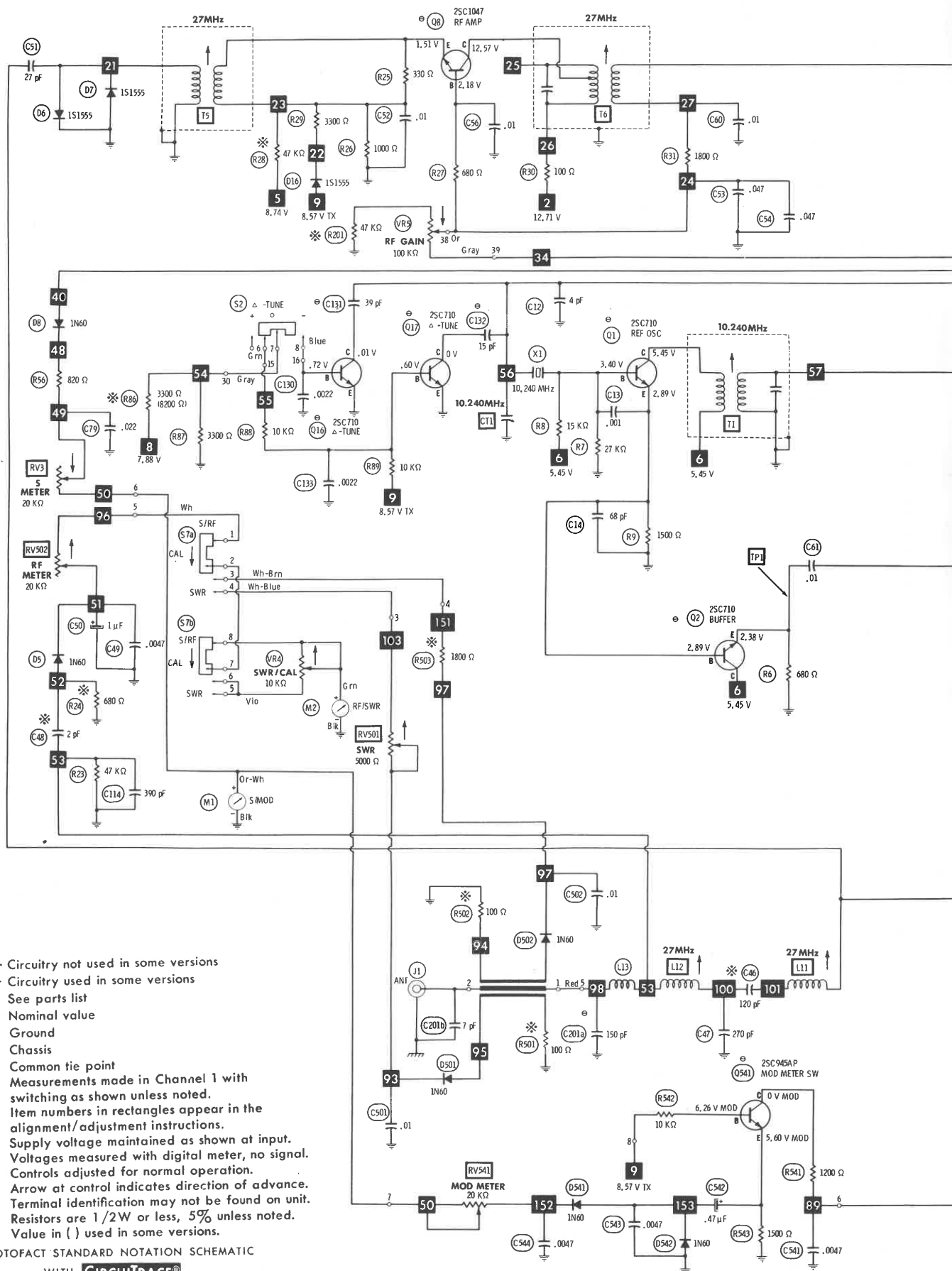
WIRING DATA

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	(6') BELDEN No. 17106	31AWG	BELDEN No. 9468 (10')
	(9') 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')

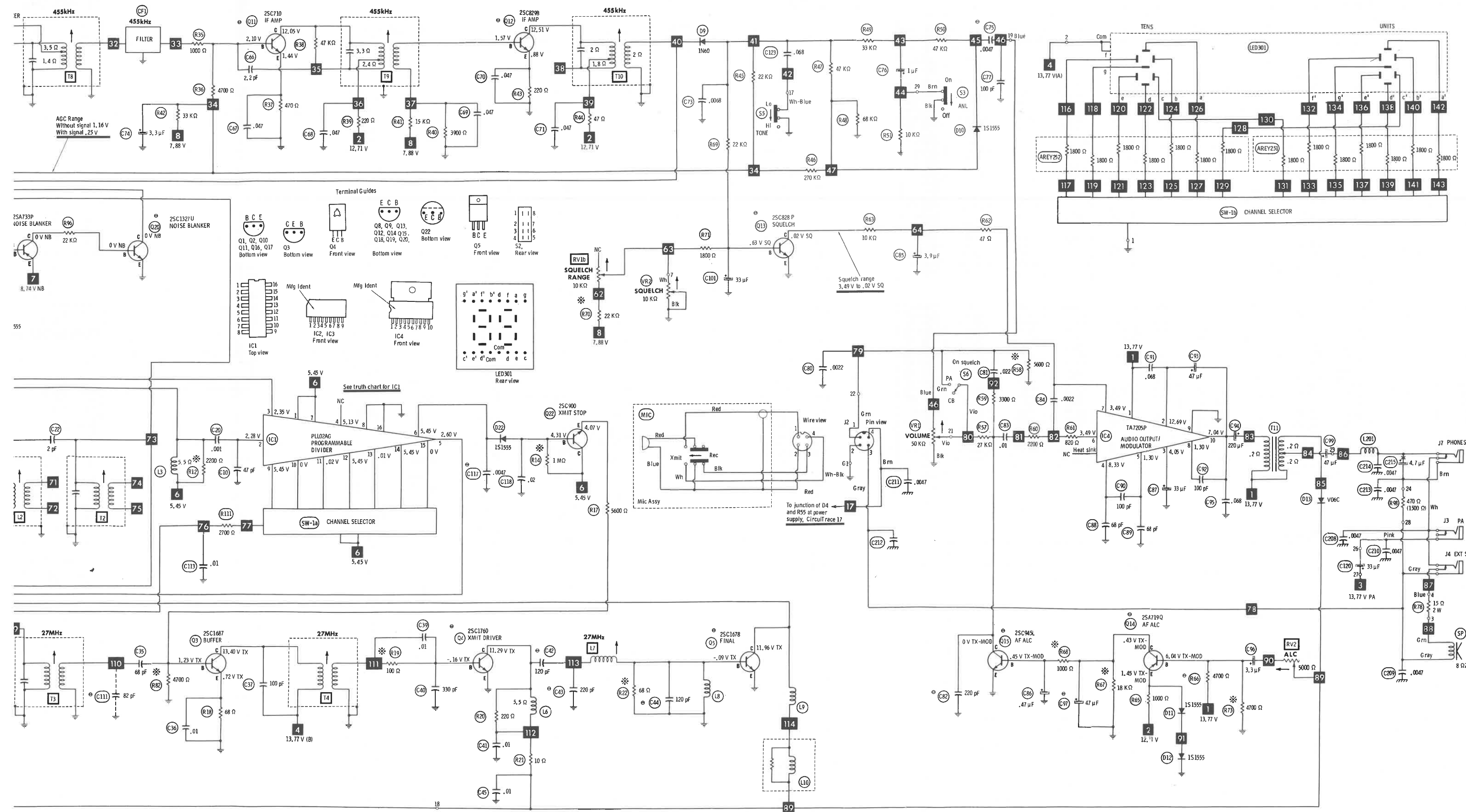
SEMICONDUCTORS (Select replacement transistor for best results)

ITEM No.	TYPE No.	MFG. 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.
MAIN BOARD												
D1	ITT410 BB122 MV201	741689			HEPR2502 HEPR2502 HEPR2502	REN 612 REN 612 REN 612			ECG612 ECG612 ECG612			ZEN-452 ZEN-452 ZEN-452
D2	MZ205	741738	GEZD-5.1	ZM5.1B			SK3060	RT-235	ECG5010	1N4733A	WEP1411	103-279-10
D3	RD9.1E	741739	GEZD-9.1	ZB9.1B		REN 139	SK3060	RT-240	ECG139A	1N4739A	WEP1109	103-272
D4	1S1555	741741	GE-300	PTC214	HEPR0602	REN 177	SK3100	RT-218	ECG177		WEP1062	
D5	1N60	112524	1N60	PTC206	HEPR9135	REN 109	SK3088	RT-263	ECG109	1N60	WEP134	ZEN-430
D6	1S1555	741741	GE-300	PTC214	HEPR0602	REN 177	SK3100	RT-218	ECG177		WEP1062	
D7	1S1555	741741	GE-300	PTC214	HEPR0602	REN 177	SK3100	RT-218	ECG177		WEP1062	
D8	1N60	112524	1N60	PTC206	HEPR9135	REN 109	SK3088	RT-263	ECG109	1N60	WEP134	ZEN-430
D9	1N60	112524	1N60	PTC206	HEPR9135	REN 109	SK3088	RT-263	ECG109	1N60	WEP134	ZEN-430
D10	1S1555	741741	GE-300	PTC214	HEPR0602	REN 177	SK3100	RT-218	ECG177		WEP1062	
D11	1S1555	741741	GE-300	PTC214	HEPR0602	REN 177	SK3100	RT-218	ECG177		WEP1062	
D12	1S1555	741741	GE-300	PTC214	HEPR0602	REN 177	SK3100	RT-218	ECG177		WEP1062	
D13	V06C	166593	GE-504A	PTC201	HEPR0052	REN 116	SK3030	RT-213	ECG116	1N4004	WEP156	212-76-02
D14	1S1885	741740	GE-504A	PTC201	HEPR0052	REN 116	SK3030	RT-213	ECG116	1N4004	WEP156	212-76-02
D15	1S1555	741741	GE-300	PTC214	HEPR0602	REN 177	SK3100	RT-218	ECG177		WEP1062	
D16	1S1555	741741	GE-300	PTC214	HEPR0602	REN 177	SK3100	RT-218	ECG177		WEP1062	
D17	1S1555	741741	GE-300	PTC214	HEPR0602	REN 177	SK3100	RT-218	ECG177		WEP1062	
D18	1N60	112524	1N60	PTC206	HEPR9135	REN 109	SK3088	RT-263	ECG109	1N60	WEP134	ZEN-430
D19	1N60	112524	1N60	PTC206	HEPR9135	REN 109	SK3088	RT-263	ECG109	1N60	WEP134	ZEN-430
D22	1S1555	741741	GE-300	PTC214	HEPR0602	REN 177	SK3100	RT-218	ECG177		WEP1062	
D501	1N60	112524	1N60	PTC206	HEPR9135	REN 109	SK3088	RT-263	ECG109	1N60	WEP134	ZEN-430
D502	1N60	112524	1N60	PTC206	HEPR9135	REN 109	SK3088	RT-263	ECG109	1N60	WEP134	ZEN-430
D541	1N60	112524	1N60	PTC206	HEPR9135	REN 109	SK3088	RT-263	ECG109	1N60	WEP134	ZEN-430
D542	1N60	112524	1N60	PTC206	HEPR9135	REN 109	SK3088	RT-263	ECG109	1N60	WEP134	ZEN-430
IC1	PLL02AG PLL02A PLL02	741686				REN 1167 REN 1167 REN 1167			ECG1233 ECG1233 ECG1167		WEP2007 WEP2007 WEP2007	
IC2	C3001A C3001		GEIC-181 GEIC-181				SK3487 SK3487		ECG1192 ECG1192			
IC3	TA7310P C3001-O C3001	742510	GEIC-181 GEIC-181 GEIC-181				SK3487 SK3487 SK3487		ECG1192 ECG1192 ECG1192			
IC4	TA7310P TA7205P	742510 741687	GEIC-181 GEIC-179				SK3487 SK3231		ECG1192 ECG1155			
Q1	2SC710		GE-211*	PTC132	HEPS0016*	REN 123A*	SK3444	RT-308*	ECG123A*	2SC710	WEP710	121-29000*
Q2	2SC710		GE-211*	PTC132	HEPS0016*	REN 123A*	SK3444	RT-308*	ECG123A*	2SC710	WEP710	121-29000*
Q3	2SC7100,E	742544	GE-211*	PTC132	HEPS0016*	REN 123A*	SK3444	RT-308*	ECG123A*	2SC710	WEP710	121-29000*
Q4	2SC1678	741731	GE-322	PTC186		REN 235	SK3197	RT-146	ECG235	2SC1306	WEP785	
	2SC1760		GE-276	PTC180		REN 306	SK3197	RT-310	ECG306		WEP771	
	2SC1846		GE-336	PTC904		REN 295	SK3253		ECG295	2SC496	WEP913	800-767
	2SC2036		GE-336			REN 295	SK3518		ECG306	2SC1018	WEP771	
Q5	2SC1360	742537	GE-11	PTC115*	HEPS0016*	REN 107	SK3132	RT-308	ECG107	2SC380	WEP535	
	2SC1678		GE-322	PTC186		REN 235	SK3197	RT-146	ECG235	2SC1306	WEP785	
	2SC1306	741732	GE-215	PTC186		REN 235	SK3197	RT-146	ECG235	2SC1306	WEP785	
	2SC2075		GE-215	PTC186		REN 235	SK3197	RT-146	ECG235		WEP785	
	2SC1974		GE-337	PTC186		REN 235	SK3197	RT-146	ECG235	2SC1306	WEP785	
Q6	2SC1318Q		GE-210*	PTC123	HEPS0015*	REN 128	SK3122	RT-302	ECG297		WEP59*	121-722
	2SC1318	741856	GE-210*	PTC123	HEPS0015*	REN 128	SK3122	RT-302	ECG297		WEP59*	121-722
Q7	2SA719R		GE-269	PTC103*	HEPS0019*	REN 290	SK3114	RT-305	ECG290	2SA562	WEP911	121-879
	2SA719		GE-269	PTC103*	HEPS0019*	REN 290	SK3114	RT-305	ECG290	2SA562	WEP911	121-879
	2SA720		GE-272	PTC103*	HEPS0019*	REN 298	SK3450	RT-305	ECG298		WEP915*	121-879*
	2SA719P, Q,R	742546	GE-269	PTC103*	HEPS0019*	REN 290	SK3114	RT-305	ECG290	2SA562	WEP911	121-879
Q8	2SC1047B		GE-60*	PTC132*	HEPS0016*	REN 229*	SK3018*	RT-107	ECG229*	2SC535	WEP63*	ZEN-109
	2SC1047		GE-60*	PTC132*	HEPS0016*	REN 229*	SK3018*	RT-107	ECG229*	2SC535	WEP63*	ZEN-109
	2SC710		GE-211*	PTC132	HEPS0016*	REN 123A*	SK3444	RT-308*	ECG123A*	2SC710	WEP710	121-29000*
	2SC460		GE-61*	PTC136*	HEPS0014*	REN 107	SK3122	RT-134	ECG107	2SC460	WEP460	121-722
Q9	2SC1047B,C		GE-60*	PTC132*	HEPS0016*	REN 229*	SK3018*	RT-107	ECG229*	2SC535	WEP63*	ZEN-109
	2SC1359B		GE-212	PTC121*	HEPS0014*	REN 199	SK3122	RT-308	ECG229*	2SC930	WEP66	121-29000
	2SC1359		GE-212	PTC121*	HEPS0014*	REN 199	SK3122	RT-308	ECG229*	2SC930	WEP66	121-29000
	2SC710		GE-211*	PTC132	HEPS0016*	REN 123A*	SK3444	RT-308*	ECG123A*	2SC710	WEP710	121-29000*
Q10	2SC1359B,C	742548	GE-212	PTC121*	HEPS0014*	REN 199	SK3122	RT-308	ECG229*	2SC930	WEP66	121-29000
	2SC710		GE-211*	PTC132	HEPS0016*	REN 123A*	SK3444	RT-308*	ECG123A*	2SC710	WEP710	121-29000*
	2SC7100	741726	GE-211*	PTC132	HEPS0016*	REN 123A*	SK3444	RT-308*	ECG123A*	2SC710	WEP710	121-29000*
	2SC829		GE-20*	PTC139*	HEPS0015*	REN 123A	SK3444	RT-308	ECG229*	2SC829	WEP829	121-29000*
	2SC839		GE-61*	PTC132*	HEPS0015*	REN 123A*	SK3444	RT-308	ECG123A*	2SC839	WEP736*	121-29000*
Q11	2SC710		GE-211*	PTC132	HEPS0016*	REN 123A*	SK3444	RT-308*	ECG123A*	2SC710	WEP710	121-29000*
	2SC7100	741726	GE-211*	PTC132	HEPS0016*	REN 123A*	SK3444	RT-308*	ECG123A*	2SC710	WEP710	121-29000*
	2SC829		GE-20*	PTC139*	HEPS0015*	REN 123A	SK3444	RT-308	ECG229*	2SC829	WEP829	121-29000*
Q12	2SC829B		GE-20*	PTC139*	HEPS0015*	REN 123A	SK3444	RT-308	ECG229*	2SC829	WEP829	121-29000*
	2SC829B,C	742549	GE-20*	PTC139*	HEPS0015*	REN 123A	SK3444	RT-308	ECG229*	2SC829	WEP829	121-29000*
	2SC710		GE-211*	PTC132	HEPS0016*	REN 123A*	SK3444	RT-308*	ECG123A*	2SC710	WEP710	121-29000*
	2SC829		GE-20*	PTC139*	HEPS0015*	REN 123A	SK3444	RT-308	ECG229*	2SC829	WEP829	121-29000*
Q13	2SC838P	741737	GE-61*	PTC139*	HEPS0015*	REN 199	SK3444	RT-302	ECG199	2SC828	WEP828	ZEN-119
	2SC828		GE-61*	PTC139*	HEPS0015*	REN 199	SK3444	RT-302	ECG199	2SC828	WEP828	ZEN-119
	2SC945		GE-212	PTC121*	HEPS0015*	REN 199	SK3124	RT-107A	ECG199	2SC945	WEP1945	121-29000
	2SC372		GE-61*	PTC121*	HEPS0015*	REN 123A*	SK3444	RT-308	ECG123A*	2SC372	WEP372	121-29000*
Q14	2SA719Q	741729	GE-269	PTC103*	HEPS0019*	REN 290	SK3114	RT-305	ECG290	2SA562	WEP911	121-879
	2SA719		GE-269	PTC103*	HEPS0019*	REN 290	SK3114	RT-305	ECG290	2SA562	WEP911	121-879
	2SA720		GE-272	PTC103*	HEPS0019*	REN 298	SK3450	RT-305	ECG298		WEP915*	121-879*
	2SA564		GE-65	PTC103*	HEPS0019*	REN 234	SK3114	RT-303	ECG234	2SA564	WEP564	121-879
Q15	2SC945L	742512	GE-212	PTC121*	HEPS0015*	REN 199	SK3124	RT-107A	ECG199	2SC945	WEP1945	121-29000
	2SC945L, P,-O		GE-212	PTC121*	HEPS0015*	REN 199	SK3124	RT-107A	ECG199	2SC945	WEP1945	121-29000
	2SC945		GE-62	PTC139*	HEPS0015*	REN 199	SK3124	RT-302	ECG199	2SC900	WEP66	ZEN-119

RCA MODEL 14T303







PARTS LIST AND DESCRIPTION (CONTINUED)

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

SEMICONDUCTORS (Select replacement transistor for best results) (cont)

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.
Q16	2SC710	74544	GE-211*	PTC132	HEPS0016*	REN 123A*	SK3444	RT-308*	ECG123A*	2SC710	WEP710	121-29000*
	GE-211*		PTC132	HEPS0016*	REN 123A*	SK3444	RT-308*	ECG123A*	2SC710	WEP710	121-29000*	
	GE-20*		PTC139*	HEPS0015*	REN 123A	SK3444	RT-308	ECG229*	2SC829	WEP829	121-29000*	
	GE-61*		PTC132*	HEPS0015*	REN 123A*	SK3444	RT-308	ECG123A*	2SC839	WEP736*	121-29000*	
Q17	2SC710	742544	GE-211*	PTC132	HEPS0016*	REN 123A*	SK3444	RT-308*	ECG123A*	2SC710	WEP710	121-29000*
	GE-211*		PTC132	HEPS0016*	REN 123A*	SK3444	RT-308*	ECG123A*	2SC710	WEP710	121-29000*	
	GE-20*		PTC139*	HEPS0015*	REN 123A	SK3444	RT-308	ECG229*	2SC829	WEP829	121-29000*	
	GE-61*		PTC132*	HEPS0015*	REN 123A*	SK3444	RT-308	ECG123A*	2SC839	WEP736*	121-29000*	
Q18	2SC829C	166906	GE-20*	PTC139*	HEPS0015*	REN 123A	SK3444	RT-308	ECG229*	2SC829	WEP829	121-29000*
	GE-61*		PTC132*	HEPS0015*	REN 123A*	SK3444	RT-308	ECG123A*	2SC839	WEP736*	121-29000*	
	GE-48		PTC127	HEPS0019*	REN 294	SK3138	RT-303	ECG294	2SA733	WEP916	121-933	
	GE-48		PTC127	HEPS0019*	REN 294	SK3138	RT-303	ECG294	2SA733	WEP916	121-933	
Q19	2SA733P	742008	GE-48	PTC127	HEPS0019*	REN 294	SK3138	RT-303	ECG294	2SA733	WEP916	121-933
	GE-48		PTC127	HEPS0019*	REN 294	SK3138	RT-303	ECG294	2SA733	WEP916	121-933	
	GE-85*		PTC139*	HEPS0024*	REN 199	SK3245	RT-107A	ECG199	2SC900	WEP66	121-972	
	GE-85*		PTC139*	HEPS0024*	REN 199	SK3245	RT-107A	ECG199	2SC900	WEP66	121-972	
Q20	2SC1327U	742550	GE-85*	PTC139*	HEPS0024*	REN 199	SK3245	RT-107A	ECG199	2SC900	WEP66	121-972
	GE-85*		PTC139*	HEPS0024*	REN 199	SK3245	RT-107A	ECG199	2SC900	WEP66	121-972	
	GE-62		PTC139*	HEPS0015*	REN 199	SK3124	RT-302	ECG199	2SC900	WEP66	ZEN-119	
	GE-212		PTC121*	HEPS0015*	REN 199	SK3124	RT-107A	ECG199	2SC945	WEP1945	121-29000	
Q21	2SC945AQ	742558	GE-212	PTC121*	HEPS0015*	REN 199	SK3124	RT-107A	ECG199	2SC945	WEP1945	121-29000
	GE-212		PTC121*	HEPS0015*	REN 199	SK3124	RT-107A	ECG199	2SC945	WEP1945	121-29000	
	GE-61*		PTC139*	HEPS0015*	REN 199	SK3444	RT-302	ECG199	2SC828	WEP828	ZEN-119	
	GE-62		PTC139*	HEPS0015*	REN 199	SK3124	RT-302	ECG199	2SC900	WEP66	ZEN-119	
Q22	2SC900E	742513	GE-62	PTC139*	HEPS0015*	REN 199	SK3124	RT-302	ECG199	2SC900	WEP66	ZEN-119
	GE-62		PTC139*	HEPS0015*	REN 199	SK3124	RT-302	ECG199	2SC900	WEP66	ZEN-119	
	GE-62		PTC139*	HEPS0015*	REN 199	SK3124	RT-302	ECG199	2SC900	WEP66	ZEN-119	
	GE-212		PTC121*	HEPS0015*	REN 199	SK3124	RT-107A	ECG199	2SC945	WEP1945	121-29000	
Q541	2SC945AP	742703	GE-212	PTC121*	HEPS0015*	REN 199	SK3124	RT-107A	ECG199	2SC945	WEP1945	121-29000
	2SC945		GE-212	PTC121*	HEPS0015*	REN 199	SK3124	RT-107A	ECG199	2SC945	WEP1945	121-29000
	2SC828		GE-61*	PTC139*	HEPS0015*	REN 199	SK3444	RT-302	ECG199	2SC828	WEP828	ZEN-119
	POWER SUPPLY BOARD											
D1	V06C		GE-504A	PTC201	HEPRO0052	REN 116	SK3030	RT-213	ECG116	1N4004	WEP156	212-76-02
	F14A		GE-504A	PTC201	HEPRO0052	REN 116	SK3030	RT-213	ECG116	1N4004	WEP156	212-76-02
	1S1885		GE-504A	PTC201	HEPRO0052	REN 116	SK3030	RT-213	ECG116	1N4004	WEP156	212-76-02
	V06C		GE-504A	PTC201	HEPRO0052	REN 116	SK3030	RT-213	ECG116	1N4004	WEP156	212-76-02
D2	F14A		GE-504A	PTC201	HEPRO0052	REN 116	SK3030	RT-213	ECG116	1N4004	WEP156	212-76-02
	1S1885		GE-504A	PTC201	HEPRO0052	REN 116	SK3030	RT-213	ECG116	1N4004	WEP156	212-76-02
	V06C		GE-504A	PTC201	HEPRO0052	REN 116	SK3030	RT-213	ECG116	1N4004	WEP156	212-76-02
	F14A		GE-504A	PTC201	HEPRO0052	REN 116	SK3030	RT-213	ECG116	1N4004	WEP156	212-76-02
D3	1S1885		GE-504A	PTC201	HEPRO0052	REN 116	SK3030	RT-213	ECG116	1N4004	WEP156	212-76-02
	V06C		GE-504A	PTC201	HEPRO0052	REN 116	SK3030	RT-213	ECG116	1N4004	WEP156	212-76-02
	F14A		GE-504A	PTC201	HEPRO0052	REN 116	SK3030	RT-213	ECG116	1N4004	WEP156	212-76-02
	1S1885		GE-504A	PTC201	HEPRO0052	REN 116	SK3030	RT-213	ECG116	1N4004	WEP156	212-76-02
D4	V06C		GE-504A	PTC201	HEPRO0052	REN 116	SK3030	RT-213	ECG116	1N4004	WEP156	212-76-02
	F14A		GE-504A	PTC201	HEPRO0052	REN 116	SK3030	RT-213	ECG116	1N4004	WEP156	212-76-02
	1S1885		GE-504A	PTC201	HEPRO0052	REN 116	SK3030	RT-213	ECG116	1N4004	WEP156	212-76-02
	2SC900F		GE-504A	PTC201	HEPRO0052	REN 116	SK3030	RT-213	ECG116	1N4004	WEP156	212-76-02
Q1	2SC900		GE-62	PTC139*	HEPS0015*	REN 199	SK3124	RT-302	ECG199	2SC900	WEP66	ZEN-119
	2SC900F		GE-62	PTC139*	HEPS0015*	REN 199	SK3124	RT-302	ECG199	2SC900	WEP66	ZEN-119
	2SC900		GE-62	PTC139*	HEPS0015*	REN 199	SK3124	RT-302	ECG199	2SC900	WEP66	ZEN-119
	2SD313D		GE-62	PTC139*	HEPS0015*	REN 199	SK3124	RT-302	ECG199	2SC900	WEP66	ZEN-119
Q2	2SD313		GE-241	PTC154	HEPS0015*	REN 196	SK3054	RT-154	ECG196	2SC1061	WEP756	ZEN-119
	BZ-162		GE-241	PTC154	HEPS0015*	REN 196	SK3054	RT-154	ECG196	2SC1061	WEP756	ZEN-119
	RD6A		GEZD-16	ZB168	REN 5075	SK3054	RT-154	ECG196	2SC1061	WEP756	ZEN-119	
			GEZD-6, 0	REN 5070		RT-246	ECG5075A	1N4745A	WEP1160	WEP1153		

* Lead configuration may vary from original.

ELECTROLYTIC CAPACITORS

ITEM No.	RATING	REPLACEMENT DATA				
		MFRG. PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.	
					Q-LINE	GENERAL LINE
MAIN BOARD						
C1	.1 10V	742688		TDC104M050EL	QDT1-2	SD50-R109
C2	10 16V	742072	PC10-25	VTT10B25	QV1-41	EV-1222
C3	.22 10V	742553		TDC224M050EL	QDT1-10	SD50-R229
C11	47 10V	742077	PC50-16	VTT47D16	QV1-73	EV-1226
C18	1 50V	742076	PC1-50	VTT1A50	QV1-11	EV-1615
C50	1 50V	742076	PC1-50	VTT1A50	QV1-11	EV-1615
C72	10 16V	742068	PC10-25	VTT10B25	QV1-41	EV-1222
C74	3.3 25V	166477	PC5-50	VTT3R3A50	QV1-23	EV-1318
C76	1 50V	742076	PC1-50	VTT1A50	QV1-11	EV-1615
C78	47 16V	742079	PC50-16	VTT47D16	QV1-73	EV-1226
C85	3.9 25V	741793		TDC475M010EL	QDT1-48	SD10-4R79
C86	.47 10V	742584		TDC474M050EL	QDT1-19	SD50-R479
C87	33 6.3V	741794	PC30-25	VTT33B10	QV1-61	EV-1125
C93	47 16V		PC50-16	VTT47D16	QV1-73	EV-1226
C94	220 16V	741797	PC250-25	VTT220H16	QV1-117	EV-1240
C96	3.3 25V	166477	PC5-50	VTT3R3A50	QV1-23	EV-1318
C97	47 10V	742077	PC50-16	VTT47D16	QV1-73	EV-1226
C99	47 25V	742081	PC50-25	VTT47E25	QV1-75	EV-1326
C100	1000 16V	742080	PC1000-16	VTT1000L16	QV1-183	EV-1260
C101	33 6.3V	741794	PC30-25	VTT33B10	QV1-61	EV-1125
C113	1 50V	742076(1)	PC1-50	VTT1A50	QV1-11	EV-1615
C120	33 16V	742085	PC30-25	VTT33D25	QV1-63	EV-1325
C215	4.7 16V		PC5-50	VTT4R7B50	QV1-27	EV-1319
C542	.47 50V	436354	PC1-50	VTTR47A63	QV1-3	EV-1610
POWER SUPPLY BOARD						
C1	2200 25V	742697	WBR2000-25	TC2520A	QE1-645	TVA-1213.5
C2	100 25V	436943	PC100-25	VTT100G25	QV1-97	EV-1330

(1) Used in models with Serial Numbers 16000001 thru 16008001.

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
C4	68 N150 10%	741788			*		10TCP-Q68
C5	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C6	22 N150 10%	741807			*		10TCP-Q22
C7	220	(1)	DD-221		GP322		10TS-T22
	330	(2)	DD-331	GP330	GP333		10TS-T33
C8	120	(1)	DTZ-120		CN0312		10TCC-T12
	150	(2)	DD-151		GP315		10TS-T15
C9	.047		UK50-503		MAG5015		
C10	47		DTZ-47	NP047	CN0447		10TCC-Q47
C12	4 N150	742528			*		10TCP-V47
C13	.001			DPMS6D1	EWF1A210	QF1-1	1PB-D10
C14	68 N150 10%	741788			*		10TCP-Q68
C15	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C16	33	(1)	DTZ-33	NP033	CN0433		10TCC-Q33
C17	47 N150 10%	245245			*		10TCP-Q47
C19	.001			DPMS6D1	EWF1A210	QF1-1	1PB-D10
C20	.001			DPMS6D1	EWF1A210	QF1-1	1PB-D10
C21	.001 100V			CD19FD102J03	SX210		MMC-102
C22	2 5%		DTZ-2R2	NP02P2	CN0522		10TCC-V22
C23	7		DTZ-6R8	NP06P8	CN0568		10TCC-V68
C24	33 N150 10%	741781			*		10TCP-Q33
C25	4 NP0		DTZ-4R7	NP04P7	CN0547		10TCC-V47
C26	330 100V			CD15FD331J03	SX333	QW1-39	MMA-331
C27	390		DD-391	GP390	GP339		10TS-T39
C28	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C29	68		DD-680	GP68	GP468		10TS-Q68
C30	56		DD-560		GP456		10TS-Q56
C31	2 5%		DC-103	MGP01	TA110	QC2-141	TG-S10
C32	.01		DTZ-2R2	NP02P2	CN0522		10TCC-V22
C33	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C35	68		DD-680	GP68	GP468		10TS-Q68
C36	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C37	100 N150 10%	741763			*		10TCP-T10
C38	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C39	.01		WMF1S1		EWF1A110	QF1-91	1PB-S10
C40	330		DD-331	GP330	GP333		10TS-T33
C41	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C42	120		DTZ-120		CN0312		10TCC-T12
C43	220		DD-221		GP322		10TS-T22
C44	120		DTZ-120		CN0312		10TCC-T12
C45	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C46	120		DTZ-120		CN0312		10TCC-T12
C47	270 10% 500V			CD15FD271J03	SX327	QW1-37	MMB-271
C48	2 500V		DTZ-2R2	NP02P2	CN0522		10TCC-V22
C49	.0047		DD-472	GP4700	GP247		5GA-D47
C51	27				CN0427		10TCC-Q27
C52	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C53	.047		UK50-503		MAG5015		
C54	.047		UK50-503		MAG5015		
C55	.047			DPMS2S47	EWF1A147	QF1-171	1PB-S47
C56	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C57	10		DTZ-10	NP010	CN0410		10TCC-Q10
C58	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C59	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C60	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C61	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C62	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C63	2 5%		DTZ-2R2	NP02P2	CN0522		10TCC-V22
C64	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C65	18 10% N150	742525			*		10TCP-Q18
C66	2.2 10% 500V		DTZ-2R2	NP02P2	CN0522		10TCC-V22
C67	.047			DPMS2S47	EWF1A147	QF1-171	1PB-S47
C68	.047			DPMS2S47	EWF1A147	QF1-171	1PB-S47
C69	.047			DPMS2S47	EWF1A147	QF1-171	1PB-S47
C70	.047			DPMS2S47	EWF1A147	QF1-171	1PB-S47
C71	.047			DPMS2S47	EWF1A147	QF1-171	1PB-S47
C73	.0068			WMF1D68	EWF1A268	QF1-73	1PB-D68
C75	.0047			WMF1D47	EWF1A247	QF1-57	1PB-D47
C77	100		DD-101	GP100	GP310		10TS-T10
C79	.022			DPMS2S22	EWF1A122	QF1-127	1PB-S22
C80	.0022		DD-222		GP222	QC2-97	5GA-D22
C81	.022			DPMS2S22	EWF1A122	QF1-127	1PB-S22
C82	220		DD-221		GP322		10TS-T22
C83	.01			WMF1S1	EWF1A110	QF1-91	1PB-S10
C84	.0022		DD-222		GP222	QC2-97	5GA-D22
C88	68		DD-680	GP68	GP468		10TS-Q68
C89	68		DD-680	GP68	GP468		10TS-Q68
C90	100		DD-101	GP100	GP310		10TS-T10
C91	.068			WMF1S68	EWF1A168	QF1-195	1PB-S68
C92	100		DD-101	GP100	GP310		10TS-T10
C95	.068			WMF1S68	EWF1A168	QF1-195	1PB-S68
C102	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C106	.047		UK50-503		MAG5015		
C107	.047		UK50-503		MAG5015		
C110	18		DD-820		CN0418		10TCC-Q18
C111	82				GP482		10TS-Q82
C112	39				CN0439		10TCC-Q39
C113	.01	(2)	DC-103	MGP01	TA110	QC2-141	TG-S10
C114	390 500V		DD-391	GP390	GP339		10TS-T39
C117	.0047		DD-472	GP4700	GP247		5GA-D47
C118	.022		DC-253	MGP025	TA125		TG-S25
C123	.068			WMF1S68	EWF1A168	QF1-195	1PB-S68
C130	.0022		DD-222		GP222	QC2-97	5GA-D22
C131	39 N150	741761			*		10TCP-Q39
C132	15 N150	741810			*		10TCP-Q15
C133	.0022		DD-222		GP222	QC2-97	5GA-D22
C134	3		DTZ-3R3	NP03P3	CN0533		10TCC-V33
C135	220		DD-221		GP322		10TS-T22
C136	.0033			CD19FD332J03	SX233		MMC-332
C137	.01		DC-103	MGP01	TA110	QC2-141	TG-S10

PARTS LIST AND DESCRIPTION (CONTINUED)

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

CAPACITORS

IA o.	THORDARSON PART No.	WORKMAN PART No.	ZENITH PART No.
	2SC710	WEP710	121-Z9000*
	2SC710	WEP710	121-Z9000*
	2SC829	WEP829	121-Z9000*
	2SC839	WEP736*	121-Z9000*
	2SC710	WEP710	121-Z9000*
	2SC710	WEP710	121-Z9000*
	2SC829	WEP829	121-Z9000*
	2SC839	WEP736*	121-Z9000*
	2SC829	WEP829	121-Z9000*
	2SC839	WEP736*	121-Z9000*
	2SA733	WEP916	121-933
	2SA733	WEP916	121-933
	2SA733	WEP916	121-933
	2SC900	WEP66	121-972
	2SC900	WEP66	121-972
	2SC900	WEP66	121-972
	2SC900	WEP66	ZEN-119
	2SC945	WEP1945	121-Z9000
	2SC945	WEP1945	121-Z9000
	2SC945	WEP1945	121-Z9000
	2SC828	WEP828	ZEN-119
	2SC900	WEP66	ZEN-119
	2SC900	WEP66	ZEN-119
	2SC900	WEP66	ZEN-119
	2SC945	WEP1945	121-Z9000
	2SC945	WEP1945	121-Z9000
	2SC828	WEP828	ZEN-119

SPRAGUE PART No.	
IE	GENERAL LINE
	SD50-R109
	EV-1222
	SD50-R229
	EV-1226
	EV-1615
	EV-1615
	EV-1222
	EV-1318
	EV-1615
	EV-1226
	SD10-4R79
	SD50-R479
	EV-1125
	EV-1226
	EV-1240
	EV-1318
	EV-1226
	EV-1326
	EV-1260
	EV-1125
	EV-1615
	EV-1325
	EV-1319
	EV-1610
	TVA-1213.5
	EV-1330

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		
MAIN BOARD									
C4	68 N150 10%	741788	DC-103	MGP01	*	QC2-141	10TCP-Q68		
C5	.01	741807			T6-S10				
C6	22 N150 10%				10TCP-Q22				
C7	220				10TS-T22				
C8	330	(1)		GP330	GP333	10TS-T33			
	120	(1)			GN0312	10TCC-T12			
	150	(2)			GP315	10TS-T15			
C9	.047	742528	UK50-503	MAG5015	QF1-1	10TCC-Q47			
C10	47			DTZ-47		CN0447	10TCP-V47		
C12	4 N150			741788		NP047	*EWF1A210	1PB-D10	
C13	.001					DPMS6D1	10TCP-Q68		
C14	68 N150 10%	DC-103	MGP01		TA110	TG-S10			
C15	.01			NP033		10TCC-Q33			
C16	33			DTZ-33		*CN0433	10TCP-Q47		
C17	47 N150 10%	245245	DTZ-2R2	DPMS6D1	QF1-1	1PB-D10			
C19	.001	741781		DTZ-6R8	DPMS6D1	QF1-1	1PB-D10		
C20	.001			NP02P2	CD19FD102J03	SX210	10TCC-V68		
C21	.001 100V			NP06P8	CN0522	10TCC-Q33			
C22	2 5%	741763	DTZ-4R7	CN0568	QW1-39	MWC-102			
C23	7			NP04P7		CN0547	10TCC-V22		
C24	33 N150 10%			CD15FD331J03		SX333	10TCC-V47		
C25	4 NPO			GP390		GP339	MMA-331		
C26	330 100V	741763	DD-391	MGP01	TA110	10TS-T39			
C27	390					DD-680	GP468	TG-S10	
C28	.01					DD-560	GP456	10TS-Q68	
C29	68	741763	DC-103	MGP01	TA110	10TS-Q68			
C30	56					DTZ-2R2	CN0522	10TCC-V22	
C31	.01					DTZ-6R8	TA110	TG-S10	
C32	2 5%	741763	DC-103	MGP01	TA110	10TCC-Q27			
C33	.01					DD-680	GP468	10TCC-Q27	
C35	68					DTZ-120	TA110	TG-S10	
C36	.01	741763	DC-103	MGP01	TA110	10TCC-Q27			
C37	100 N150 10%					WMF1S1	EWF1A110	10TCC-Q27	
C38	.01					GP330	GP333	10TCC-Q27	
C39	.01	741763	DC-103	MGP01	TA110	10TCC-Q27			
C40	330					DTZ-120	GN0312	10TCC-Q27	
C41	.01					DD-221	GP322	10TCC-Q27	
C42	120	741763	DC-103	MGP01	TA110	10TCC-Q27			
C43	220					DTZ-120	GN0312	10TCC-Q27	
C44	120					DTZ-120	GN0312	10TCC-Q27	
C45	.01	741763	DC-103	MGP01	TA110	10TCC-Q27			
C46	120					DTZ-120	GN0312	10TCC-Q27	
C47	270 10% 500V					CD15FD271J03	SX327	10TCC-Q27	
C48	2 500V	742525	DTZ-2R2	NP02P2	CN0522	10TCC-Q27			
C49	.0047					DD-472	GP247	10TCC-Q27	
C51	27					DC-103	GP4700	10TCC-Q27	
C52	.01	742525	UK50-503	MGP01	TA110	10TCC-Q27			
C53	.047					UK50-503	MAG5015	10TCC-Q27	
C54	.047					UK50-503	MAG5015	10TCC-Q27	
C55	.047	742525	DC-103	MGP01	EWF1A147	1PB-S47			
C56	.01					DTZ-10	TA110	10TCC-Q10	
C57	10					DTZ-10	CN0410	10TCC-Q10	
C58	.01	742525	DC-103	MGP01	TA110	10TCC-Q10			
C59	.01					DTZ-10	TA110	10TCC-Q10	
C60	.01					DTZ-10	TA110	10TCC-Q10	
C61	.01	742525	DC-103	MGP01	TA110	10TCC-Q10			
C62	.01					DTZ-10	TA110	10TCC-Q10	
C63	2 5%					DTZ-2R2	NP02P2	10TCC-Q10	
C64	.01	742525	DC-103	MGP01	TA110	10TCC-Q10			
C65	18 10% N150					NP02P2	CN0522	10TCC-Q10	
C66	2.2 10% 500V					DTZ-2R2	NP02P2	10TCC-Q10	
C67	.047	742525	DC-103	MGP01	EWF1A147	1PB-S47			
C68	.047					DPMS2S47	EWF1A147	1PB-S47	
C69	.047					DPMS2S47	EWF1A147	1PB-S47	
C70	.047	742525	DC-103	MGP01	EWF1A147	1PB-S47			
C71	.047					DPMS2S47	EWF1A147	1PB-S47	
C73	.0068					WMF1D68	EWF1A268	1PB-S47	
C75	.0047	742525	DD-101	MGP01	EWF1A247	1PB-D47			
C77	100					GP100	GP310	10TS-T10	
C79	.022					DPMS2S22	EWF1A122	10TS-T10	
C80	.0022	742525	DD-222	MGP01	GP222	10TS-T10			
C81	.022					DPMS2S22	EWF1A122	10TS-T10	
C82	220					GP322	GP333	10TS-T10	
C83	.01	742525	DD-221	WMF1S1	EWF1A110	10TS-T10			
C84	.0022					GP222	GP222	10TS-T10	
C88	68					GP68	GP468	10TS-Q68	
C89	68	742525	DD-680	MGP01	GP468	10TS-Q68			
C90	100					DD-101	GP310	10TS-T10	
C91	.068					WMF1S68	EWF1A168	10TS-T10	
C92	100	742525	DD-101	MGP01	GP310	10TS-T10			
C95	.068					GP100	EWF1A168	10TS-T10	
C102	.01					WMF1S68	TA110	10TS-T10	
C106	.047	742525	DC-103	MGP01	TA110	10TS-T10			
C107	.047					UK50-503	MAG5015	10TS-T10	
C110	18					UK50-503	MAG5015	10TS-T10	
C111	82	742525	DD-820	MGP01	CN0418	10TCC-Q18			
C112	39					GP482	GP482	10TCC-Q18	
C113	.01					CN0439	CN0439	10TCC-Q18	
C114	390 500V	741761	DC-103	MGP01	TA110	10TCC-Q18			
C117	.0047					DD-391	GP339	10TCC-Q18	
C118	.022					DD-472	GP247	10TCC-Q18	
C123	.068	741761	DC-253	MGP025	TA125	10TCC-Q18			
C130	.0022					DD-222	WMF1S68	EWF1A168	10TCC-Q18
C131	39 N150					DD-222	GP222	GP222	10TCC-Q18
C132	15 N150	741810	DD-222	MGP01	TA110	10TCC-Q18			
C133	.0022					DD-222	GP222	GP222	10TCC-Q18
C134	3					DTZ-3R3	NP03P3	CN0533	10TCC-Q18
C135	220	741810	DD-221	MGP01	TA110	10TCC-Q18			
C136	.0033					DD-221	NP03P3	GP322	10TCC-Q18
C137	.01					DC-103	CD19FD332J03	SX233	10TCC-Q18

RCA MODEL 14T303

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	
C138	.01	741421	DC-103	MGP01	TA110	QC2-141	TG-S10	
C139	220		DD-221		GP322		10TS-T22	
C141	.01		DC-103	MGP01	TA110	QC2-141	TG-S10	
C201A	150			CD15FD151J03	SX315	QW1-31	MMA-151	
C201B	7			DTZ-6R8	NP06P8	CN0568	10TCC-V68	
C202	.01			DC-103	MGP01	TA110	QC2-141	TG-S10
C203	.01			DC-103	MGP01	TA110	QC2-141	TG-S10
C204	.01			DC-103	MGP01	TA110	QC2-141	TG-S10
C205	.047			UK50-503		MAG5015		
C206	.01			DC-103	MGP01	TA110	QC2-141	TG-S10
C207	.01			DC-103	MGP01	TA110	QC2-141	TG-S10
C208	.0047			DD-472	GP4700	GP247		5GA-D47
C209	.0047			DD-472	GP4700	GP247		5GA-D47
C210	.0047			DD-472	GP4700	GP247		5GA-D47
C211	.0047			DD-472	GP4700	GP247		5GA-D47
C212	.0047			DD-472	GP4700	GP247		5GA-D47
C213	.0047			DD-472	GP4700	GP247		5GA-D47
C501	.01			DC-103	MGP01	TA110	QC2-141	TG-S10
C502	.01			DC-103	MGP01	TA110	QC2-141	TG-S10
C541	.0047			DD-472	GP4700	GP247		5GA-D47
C543	.0047			DD-472	GP4700	GP247		5GA-D47
C544	.0047			DD-472	GP4700	GP247		5GA-D47
CT1	20							
POWER SUPPLY BOARD								
C3	.022			DC-253	MGP025	TA125		
C4	.01			DC-103	MGP01	TA110	QC2-141	TG-S10
C5	.047			UK50-503		MAG5015		
C6	.022			DC-253	MGP025	TA125		TG-S25

