

PHOTOFACT[®] with

CIRCUITRACE[®]

For Supplier Address See PHOTOFACT Index

NOTE

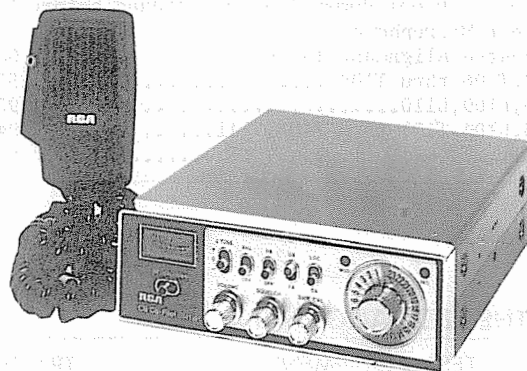
Repair or adjustment of transmitter circuits must be under supervision of a person with first-or second-class radiotelephone license.

(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 14T301

RCA MODEL 14T301

MANUFACTURER'S SPECIFICATIONS

GENERAL

Channels: 23

Frequency Range: 26.965-27.255 MHz

Operating Temperature Range:

-30°C to +50°C (-22°F to +112°F)

Power Source:

12-15 VDC (13.8V nom.) Positive or Negative Ground

Current Drain:

Transmit: 1.5A nom.

Receive: 1.2A nom. (full audio)

Dimensions:

7" x 2-5/16" x 8-1/4"

(178 x 59 x 209mm)

Weight: 3 lbs., 13.6 oz. (1.75 kg.)

TRANSMITTER

Emission: 6A3

RF Power Output: 4W

Modulation Type: AM

Modulation Level:

100% max. AM (limited to FCC specs)

Spurious Suppression: -50dB

Antenna Impedance: for 50-ohm antenna systems

RECEIVER

Sensitivity: 0.5μV for 10dB S/N

Adjacent Channel Rejection:

-40dB or more

Image Rejection (1st IF): 60 dB

Spurious Rejection (except images):

35 dB nom.

IF Frequencies:

1st IF: 10.695 MHz

2nd IF: 455 kHz

Squelch Sensitivity: 1.5 - 100μV

Audio Output: 3 W

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.

Suggested Alignment Tools: GC Electronics:
 L112, T106 thru T109.....5009
 L106, L109, L110.....9304
 L103, L104, T101 thru T105, T111.....9440
 CT101.....5000

SYNTHESIZER ALIGNMENT

TEST EQUIPMENT	TRANSCEIVER	ADJUST	REMARKS
Input of frequency counter to TP1 (Q104, Collector).	Ch. 13		Check for 10.2392MHz ± 0.13 kHz.
Input of frequency counter to TP2 (Q108, Base).	Ch. 1, Delta Tune 0	CT101	Adjust for 37.65920MHz ± 0.38 kHz.
Input of VTVM to TP8.	Ch. 1	T101	Adjust for 1.5V $\pm .1$ volt.
Input of RF VTVM to TP3 (Q115, Base).	Ch. 13	T111	Adjust for maximum.
Input of frequency counter to TP4 (Q109, Emitter).	Ch. 13, Xmit		Check for 10.6942MHz ± 0.12 kHz.

RECEIVER ALIGNMENT

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

TEST EQUIPMENT	TRANSCEIVER	ADJUST	REMARKS
Output of signal generator thru .01uF to TP5 (Q116, Emitter). 455kHz, 1000Hz @ 30% modulation.	Ch. 13, Delta Tune 0 RF Gain Maximum Squelch MINIMUM	T109, T108, T107	Adjust for maximum output.
Output of signal generator thru .01uF to antenna jack. 27.115MHz, 1000Hz @ 30% modulation.	Ch. 13, Delta Tune 0 RF Gain Maximum Squelch MINIMUM	T106, L112, T105, T104	Adjust for maximum output. It may be necessary to readjust T107, T108, and T109.

RECEIVER ADJUSTMENTS

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

TEST EQUIPMENT	TRANSCEIVER	ADJUST	REMARKS
Output of signal generator thru .01uF to antenna jack. 27.115MHz, 1000Hz @ 30% modulation. Output 500uV.	Ch. 13, Delta Tune 0 RF Gain Maximum ANL Off LOC-DX DX	RV101	SQUELCH RANGE Set Squelch Control VR2 fully clockwise. Adjust RV101 so that squelch just breaks.
Output of signal generator thru .01uF to antenna jack. 27.115MHz, 1000Hz @ 30% modulation. Output 100uV.	Ch. 13	RV103	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	TRANSCEIVER	ADJUST	REMARKS
	Ch. 13	L103, L104, T102, T103, L106, L109, L110	Adjust for maximum output.
	Ch. 13	L110, L109	Adjust for 4 watts maximum.

TRANSMITTER ADJUSTMENTS

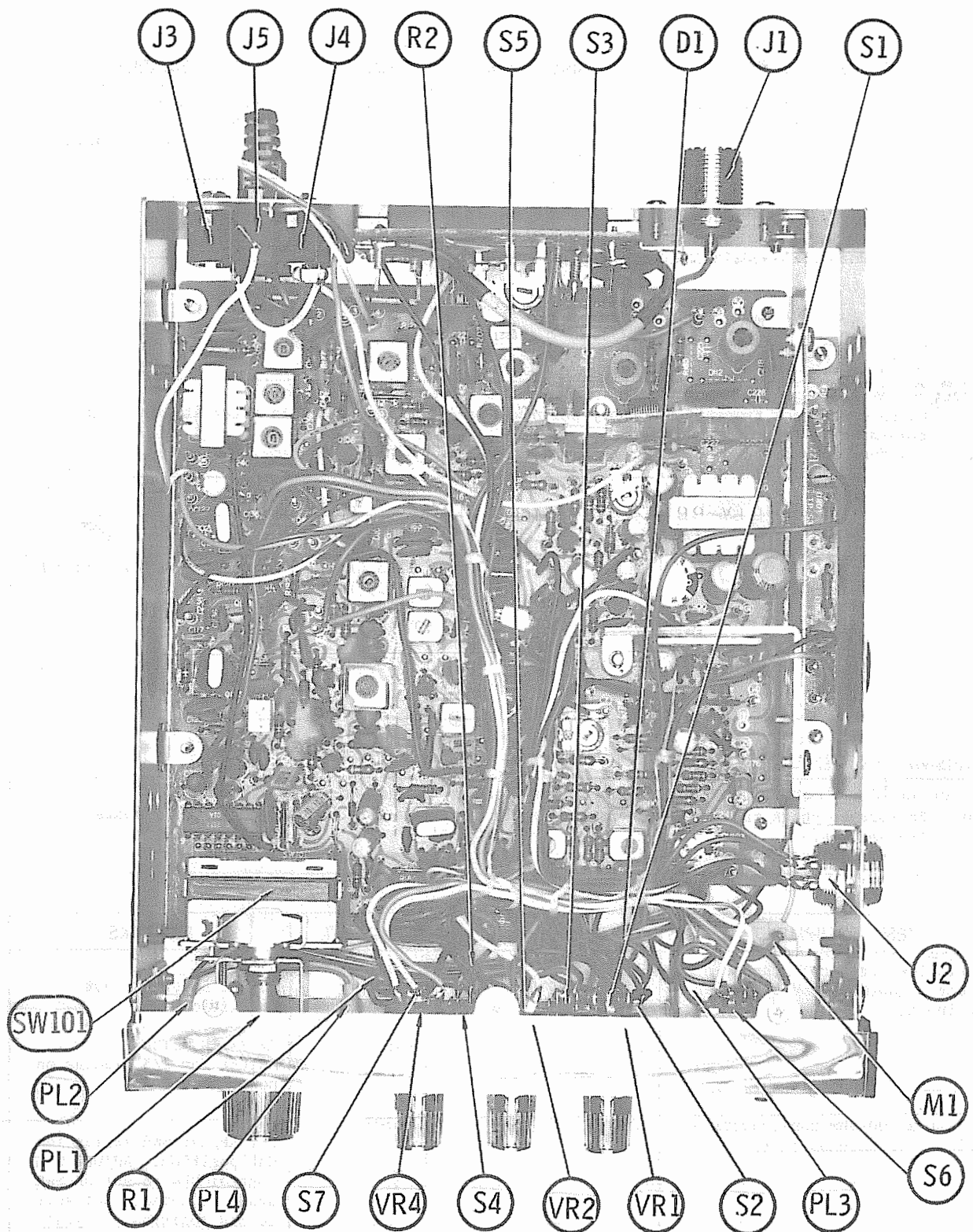
Connect an RF wattmeter and 50-ohm, 25-watt dummy load to antenna connector.

NOTE: Be sure to check transmit frequency and power on all active channels after adjustments of transmitter.

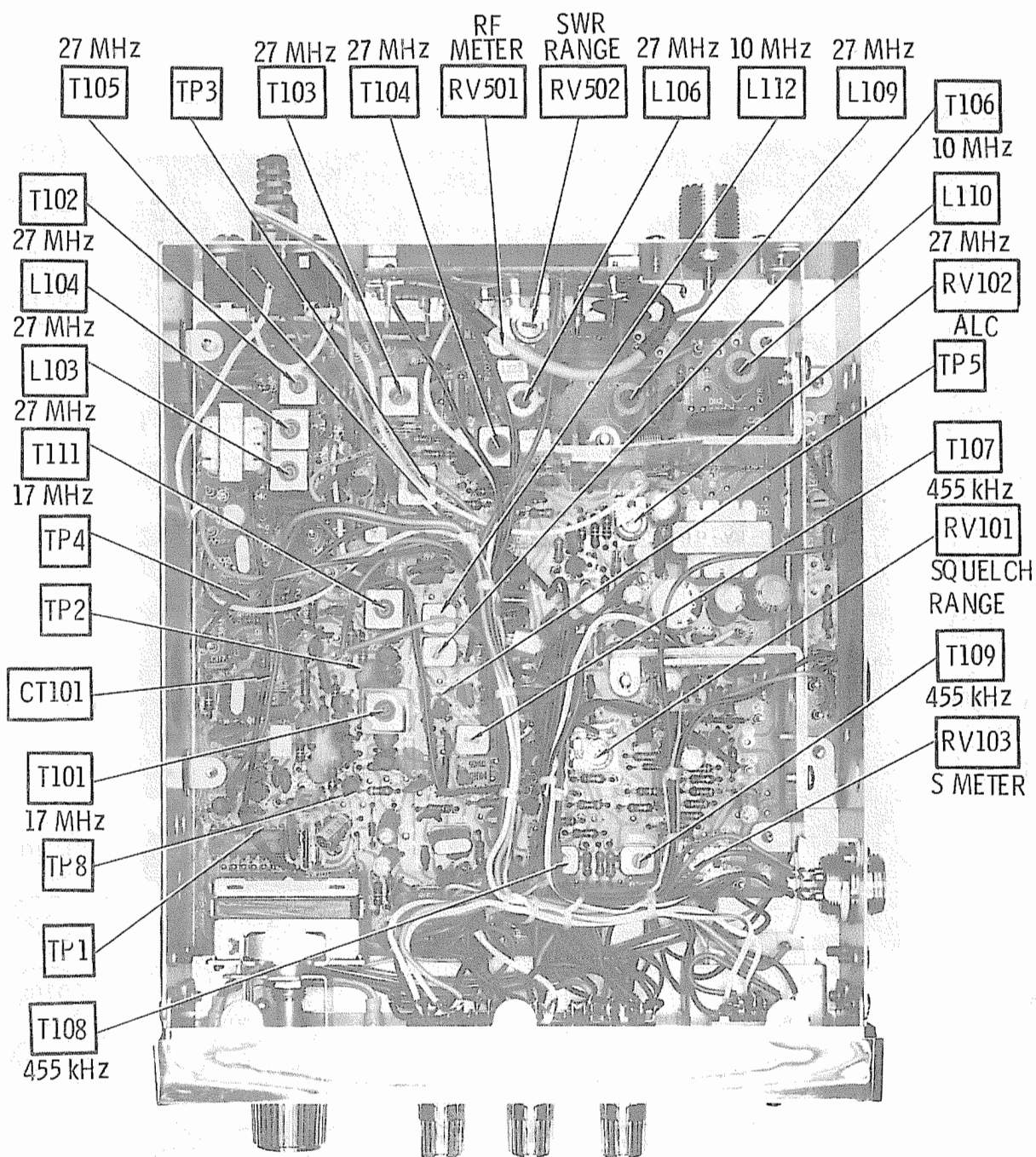
See page 4 for channel frequencies.

TEST EQUIPMENT	TRANSCEIVER	ADJUST	REMARKS
Modulation meter to antenna jack. Inject a 1000Hz, 20mV signal at MIC input.	Ch. 13	RV102	AF ALC Adjust RV102 for 90% modulation.
	Ch. 13	RV501	RF PANEL METER Adjust for 2/3 reading on power meter.
Connect a 100-ohm non-inductive resistor to antenna jack.	Ch. 13	RV502	SWR Set RF/CAL/SWR switch to CAL position. Adjust CAL Control VR4 to set on SWR scale of meter. Set switch to SWR position. Adjust RV502 for 2 on SWR scale of meter.

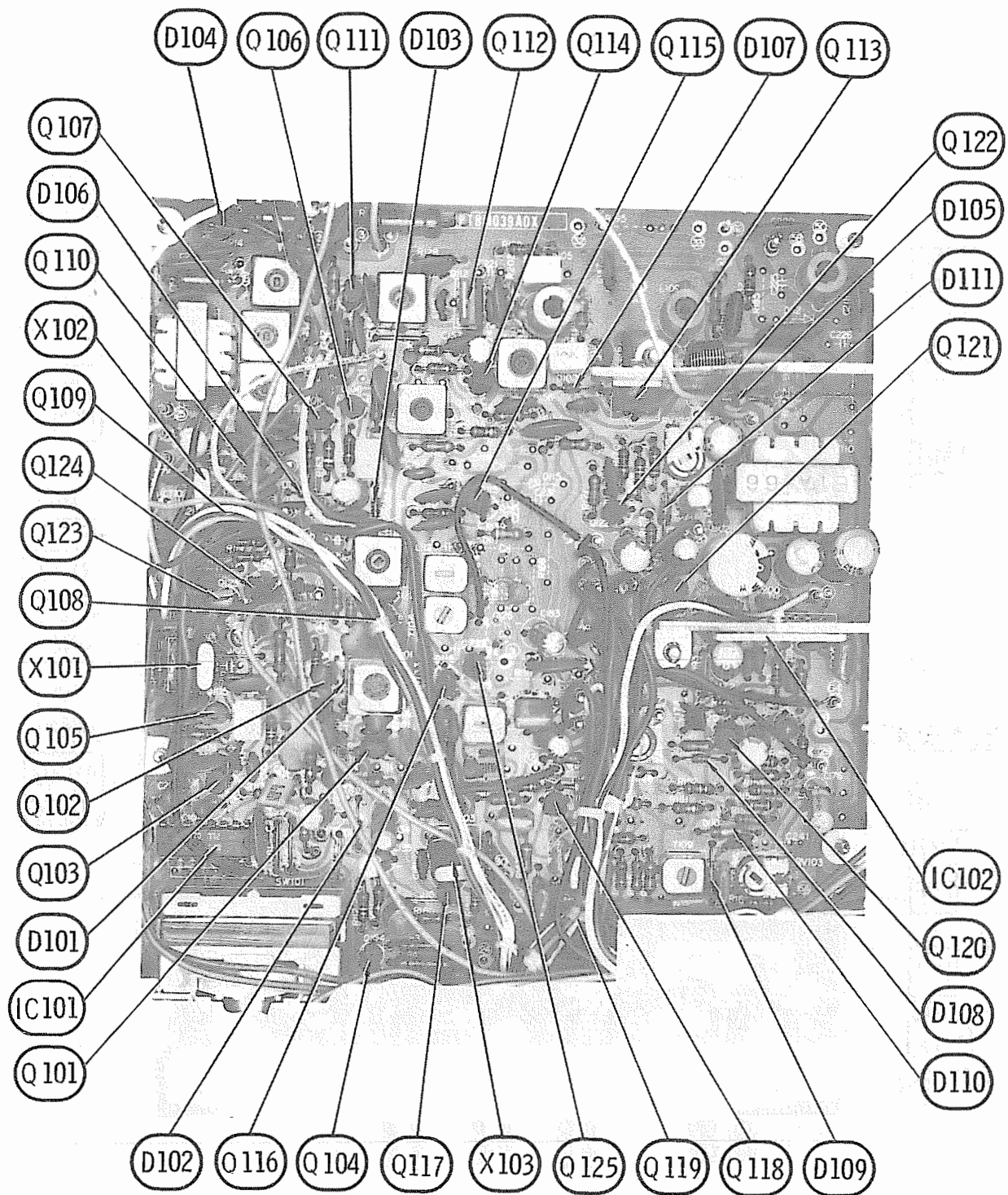
RCA MODEL 14T301



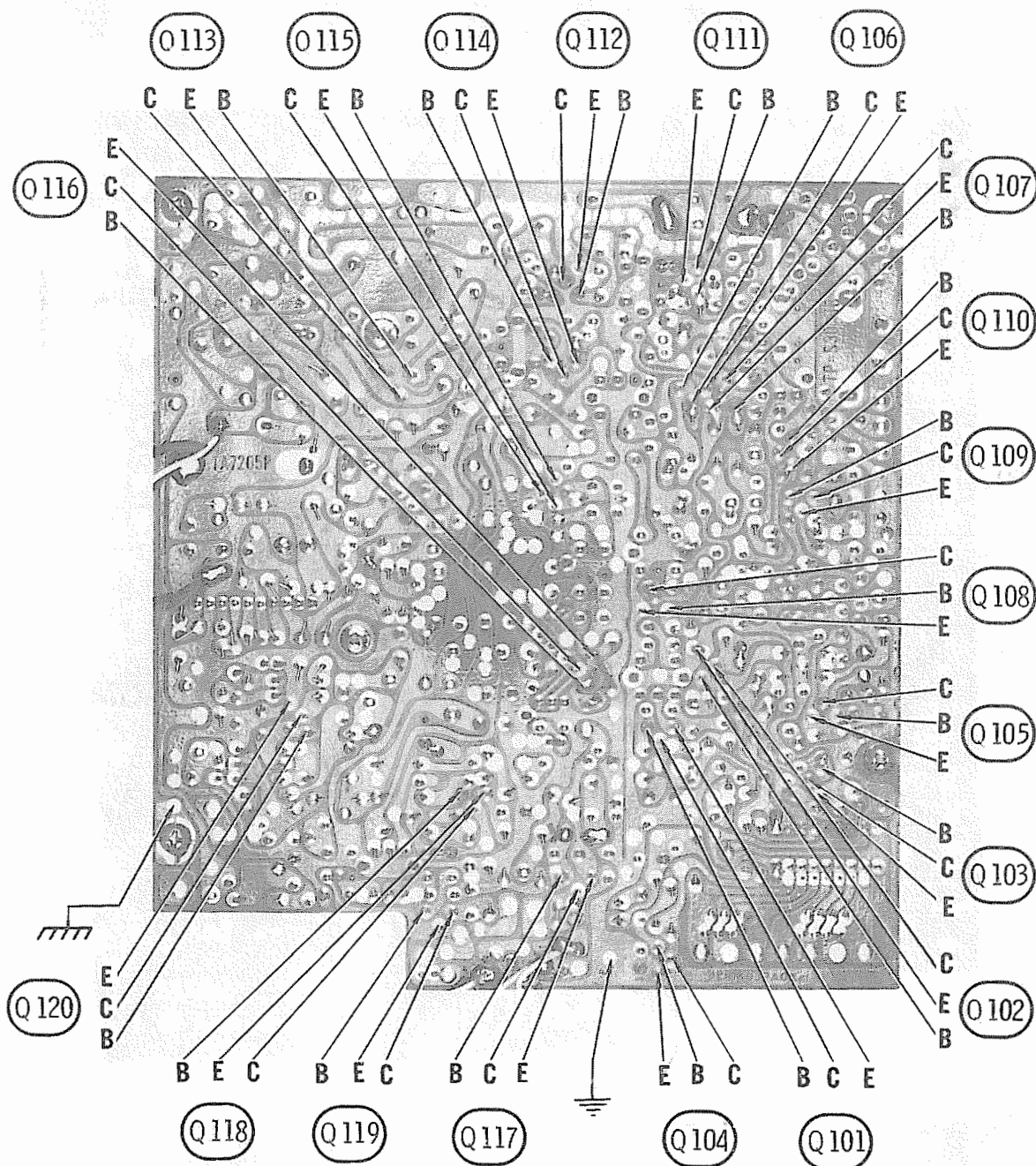
CHASSIS - BOTTOM



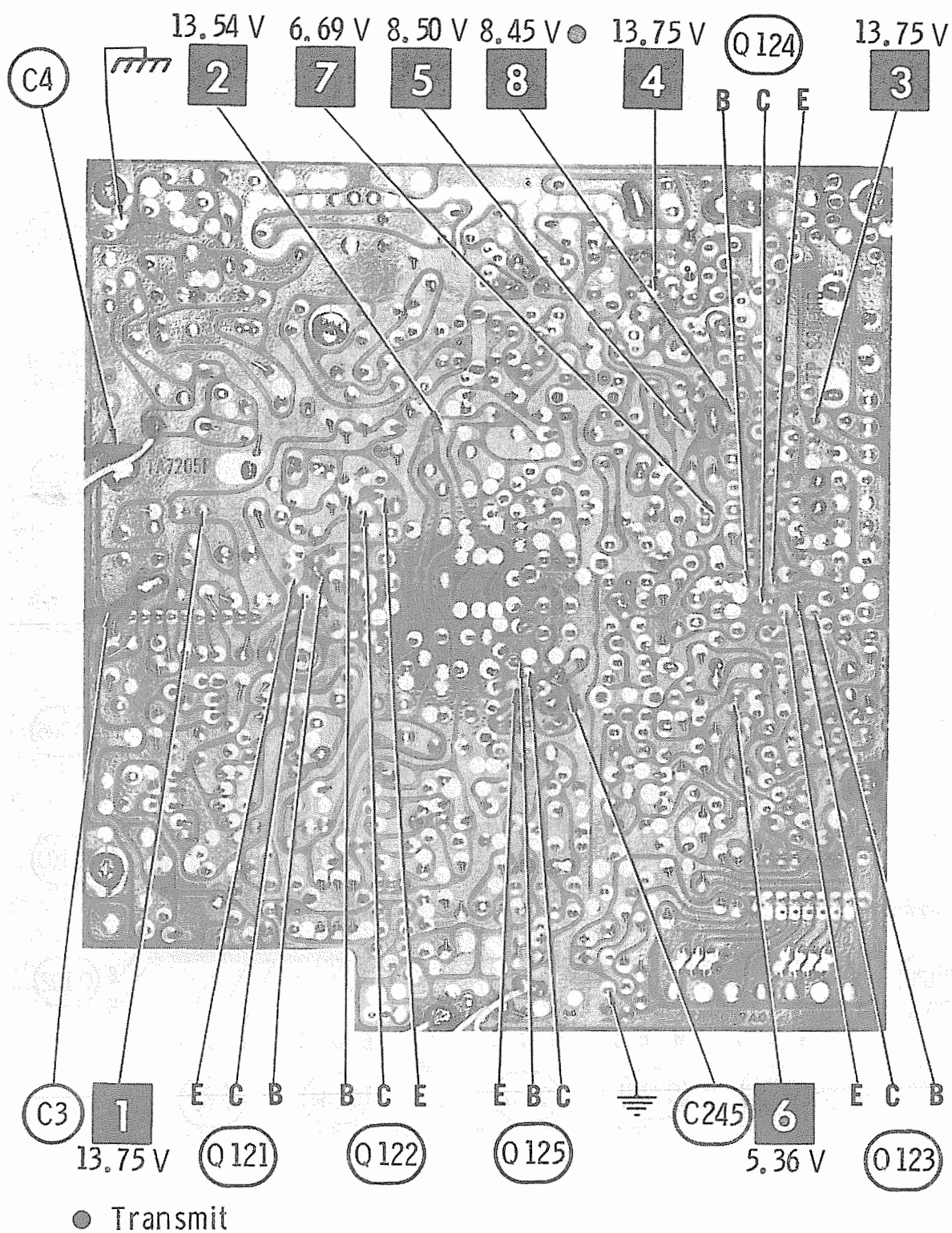
CHASSIS - BOTTOM



MAIN BOARD

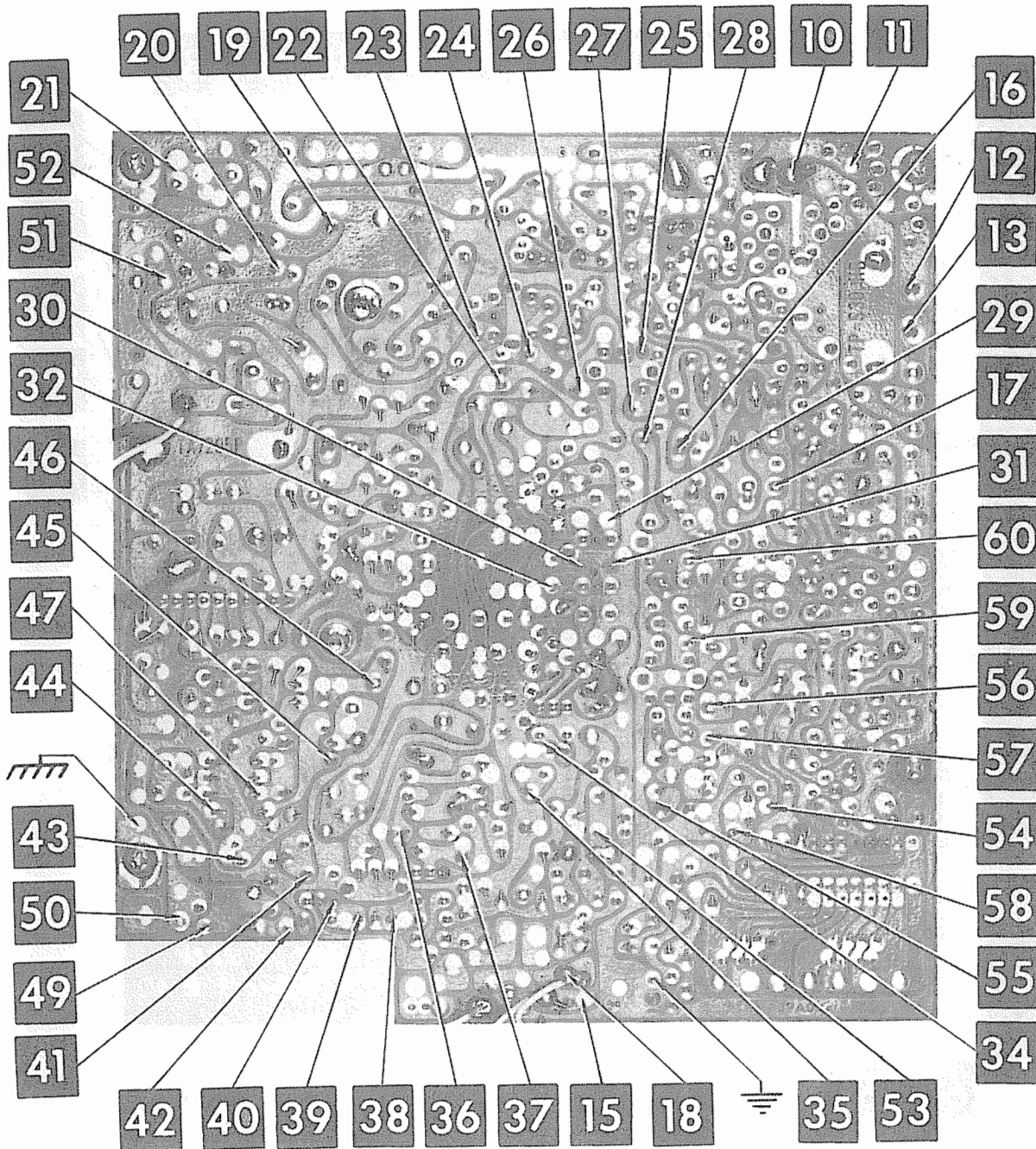


MAIN BOARD

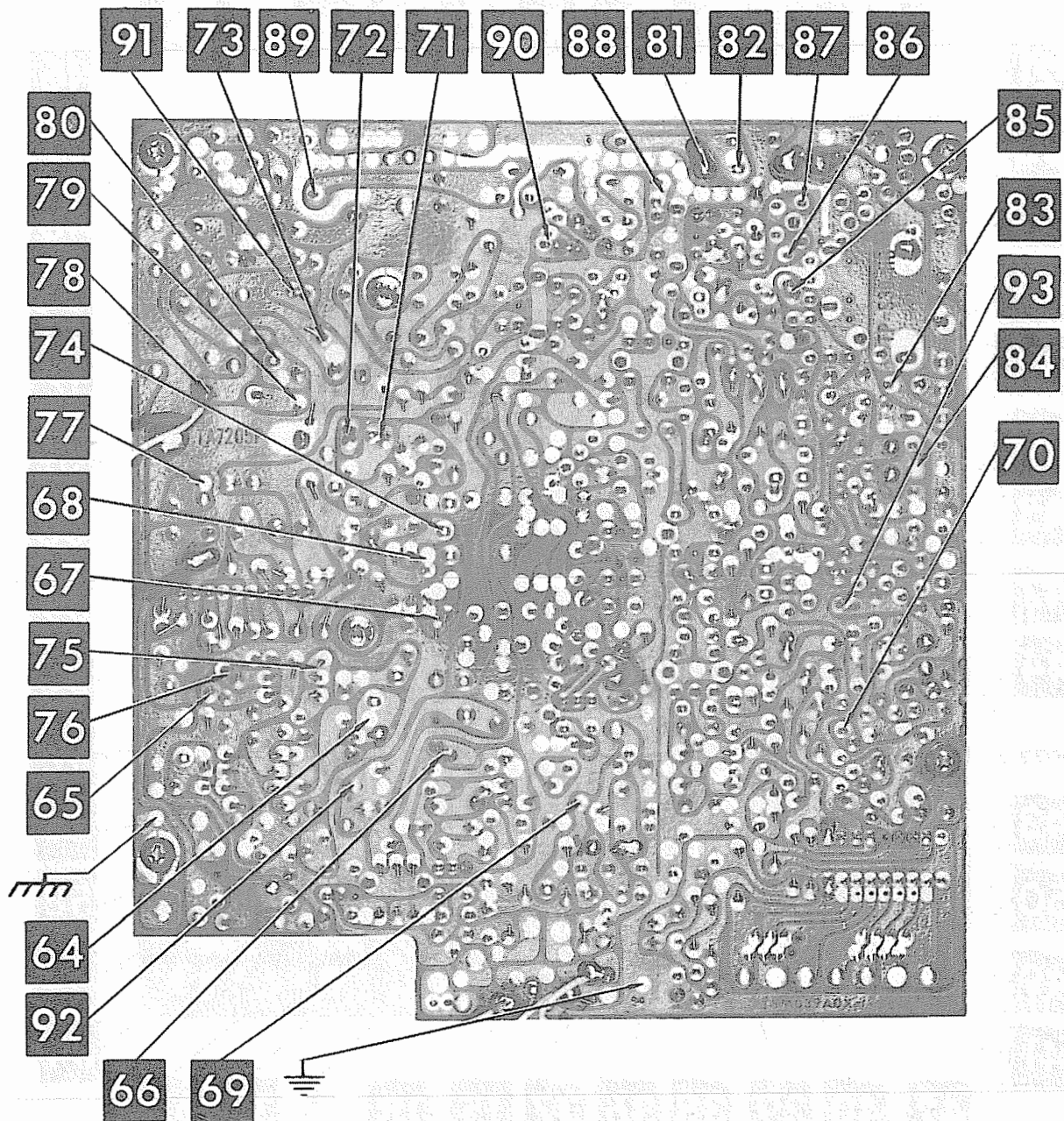


MAIN BOARD

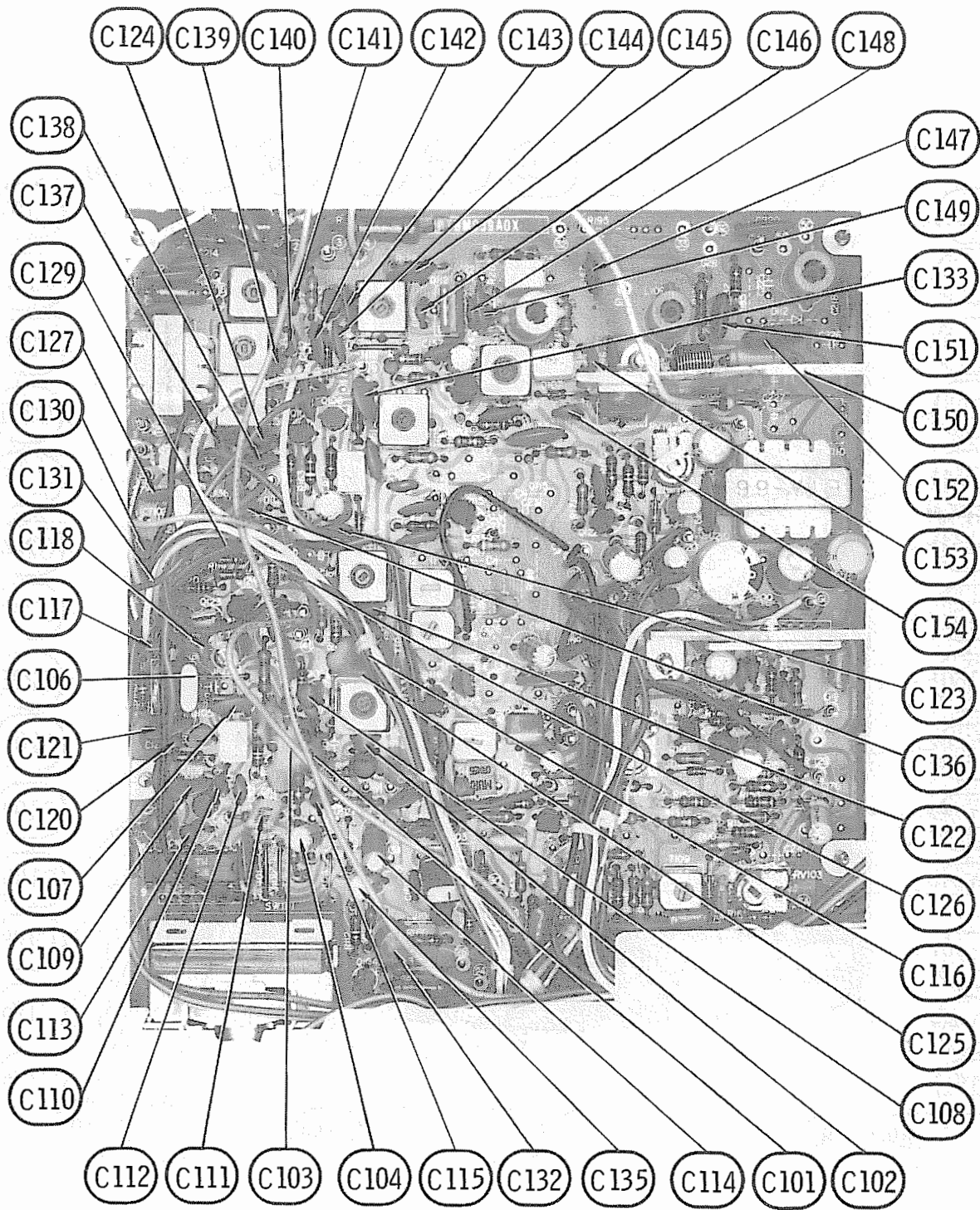
RCA MODEL 14T301



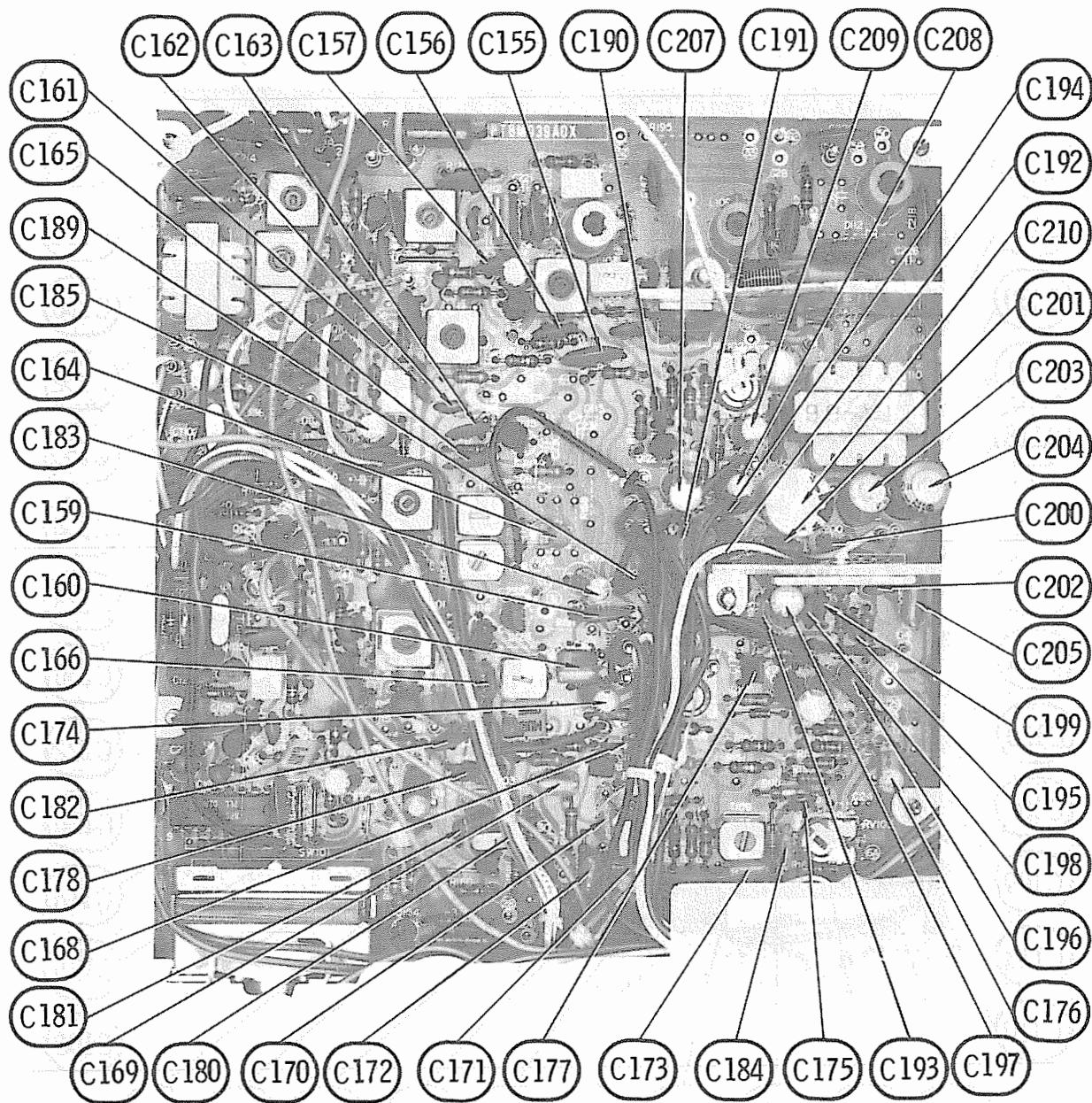
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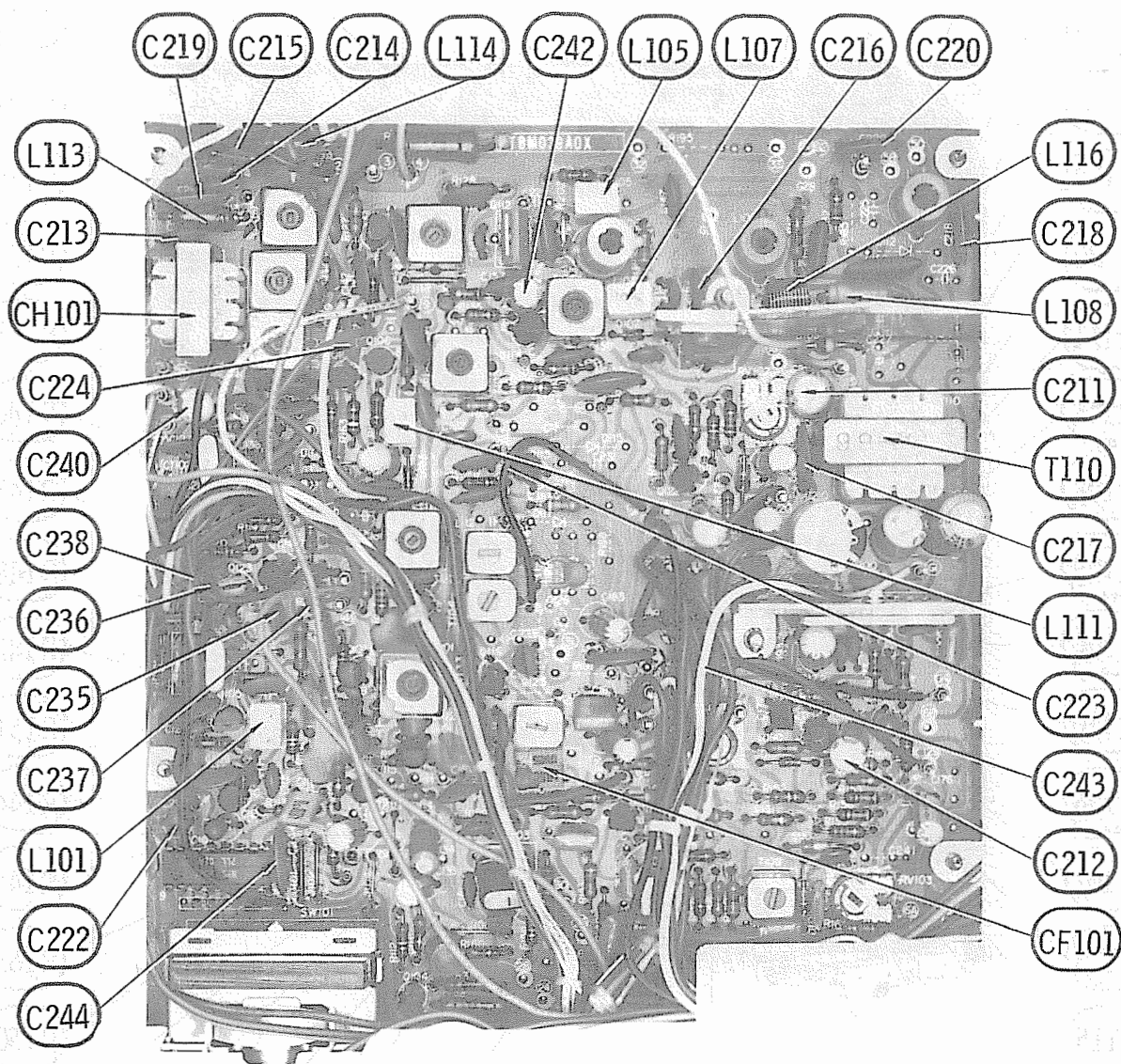
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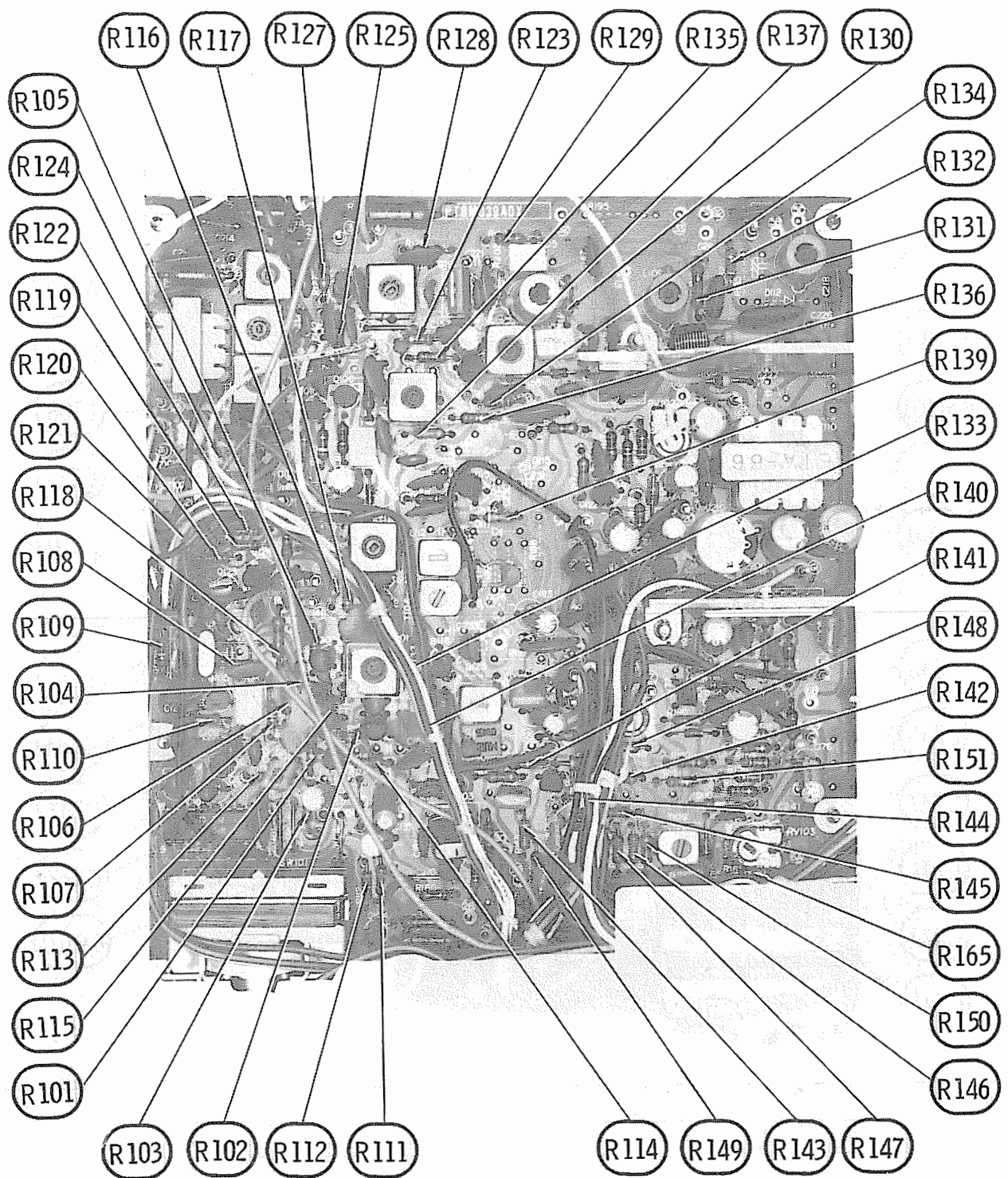
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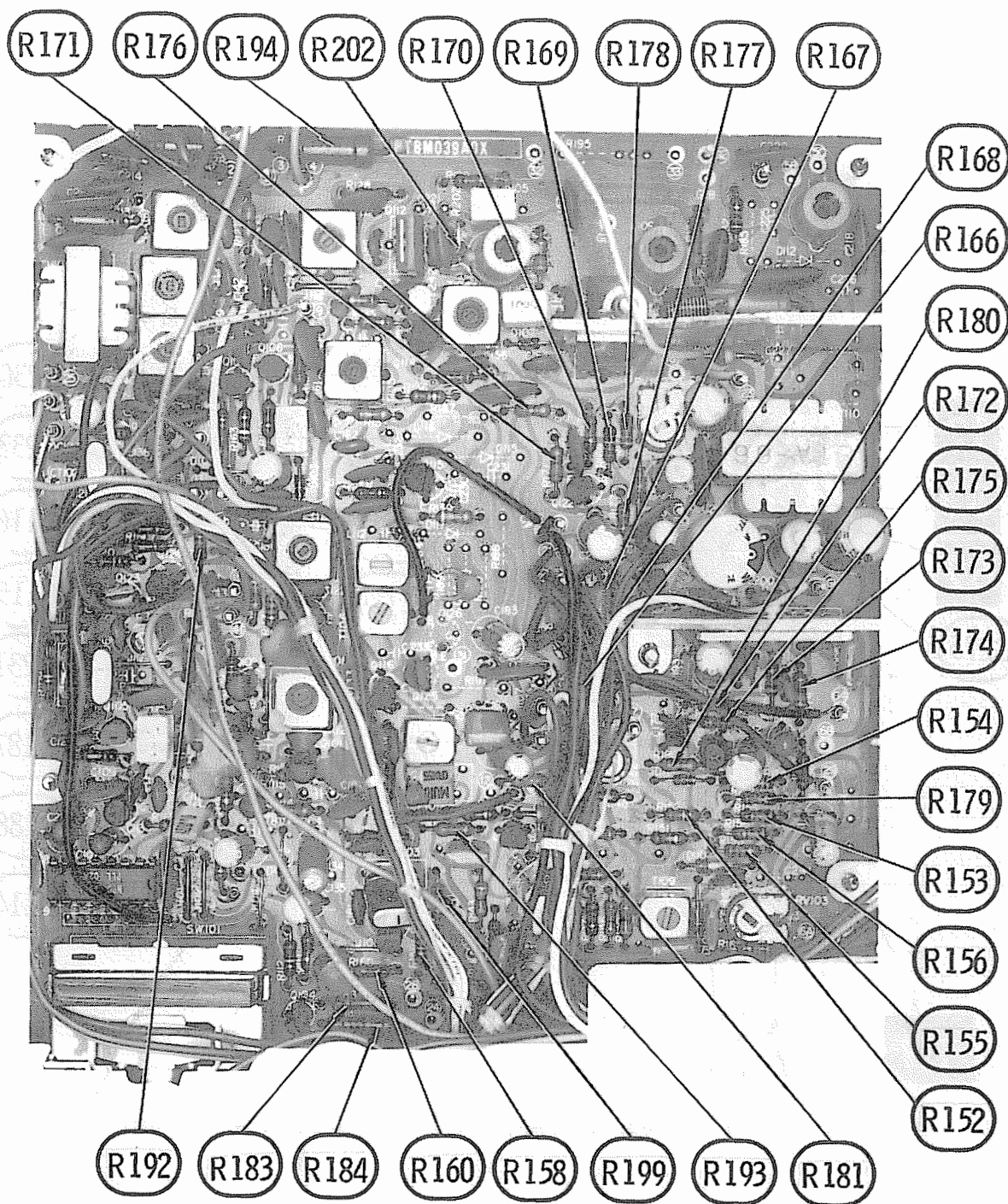
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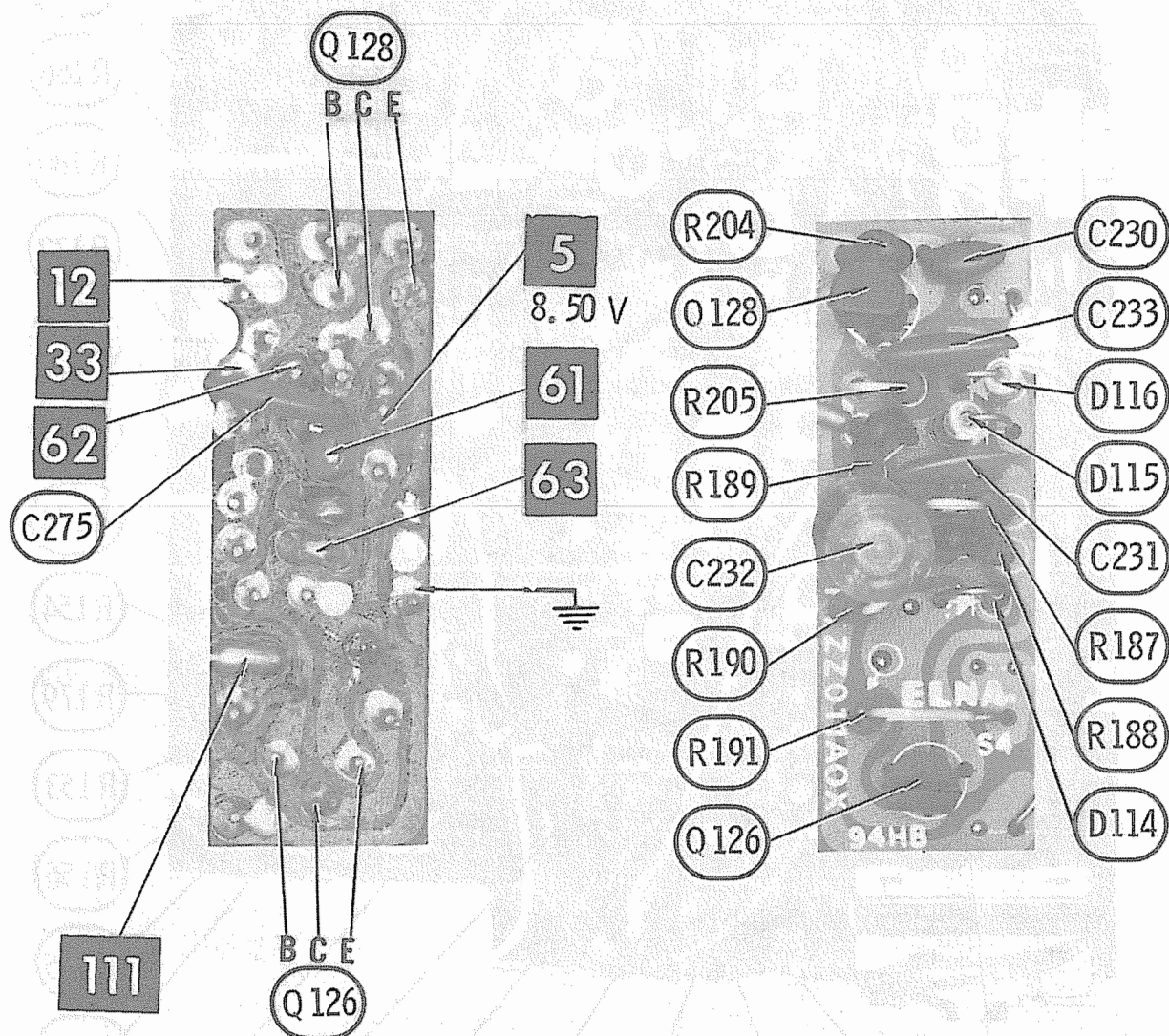
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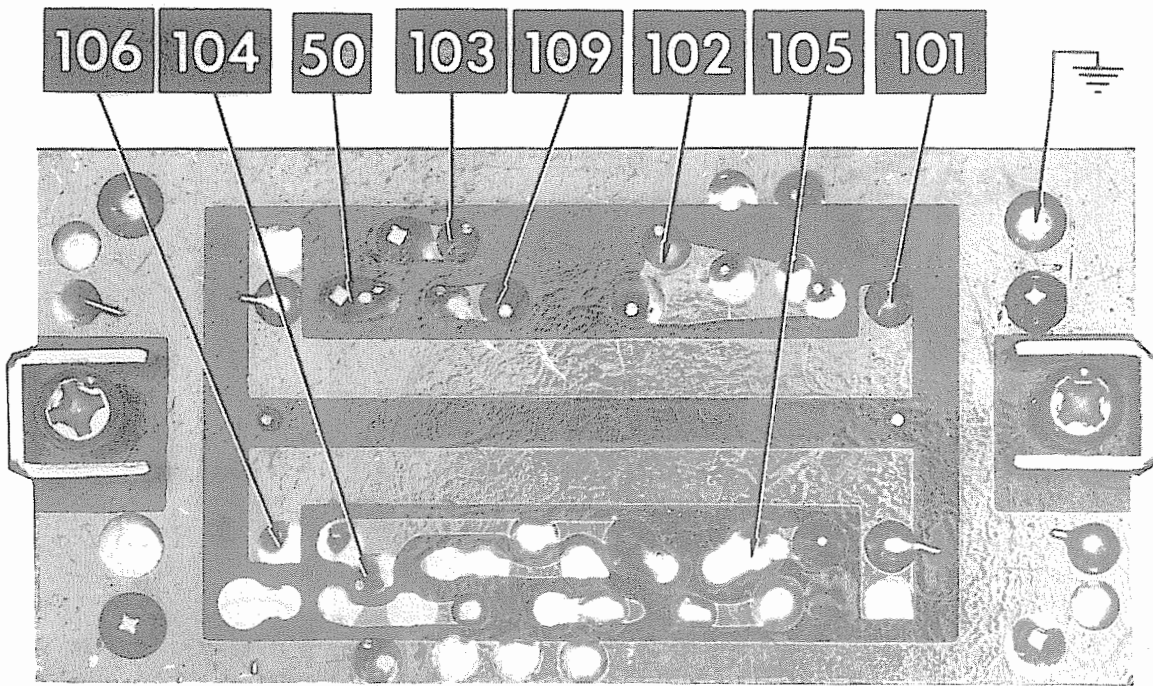
MAIN BOARD



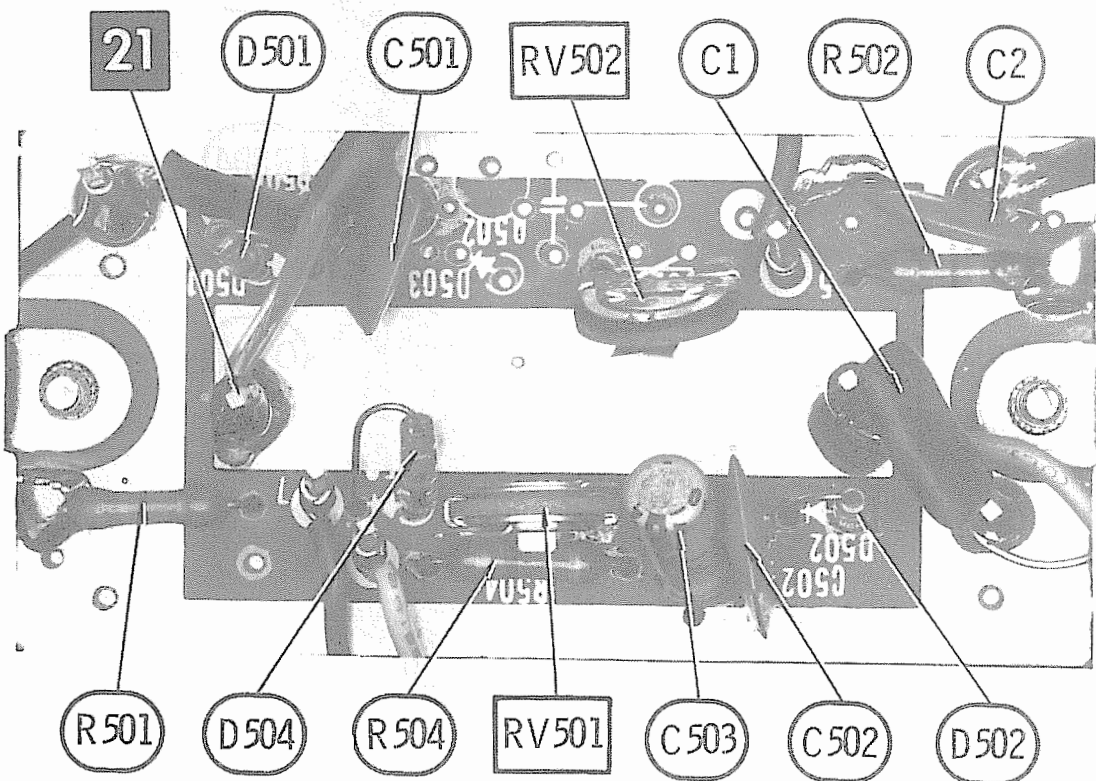
MAIN BOARD



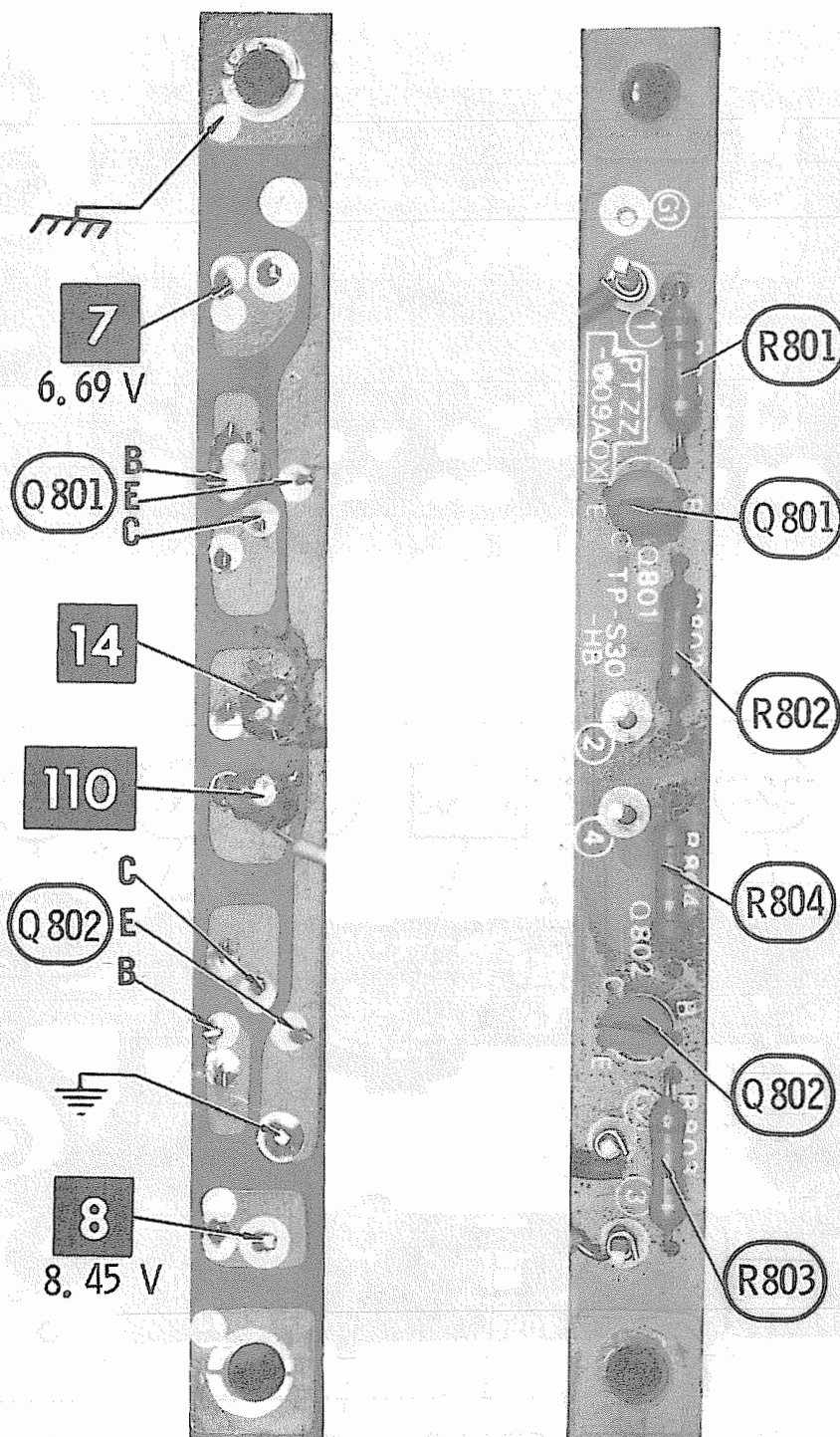
NOISE BLANKER BOARD



RCA MODEL 14T301



SWR BOARD



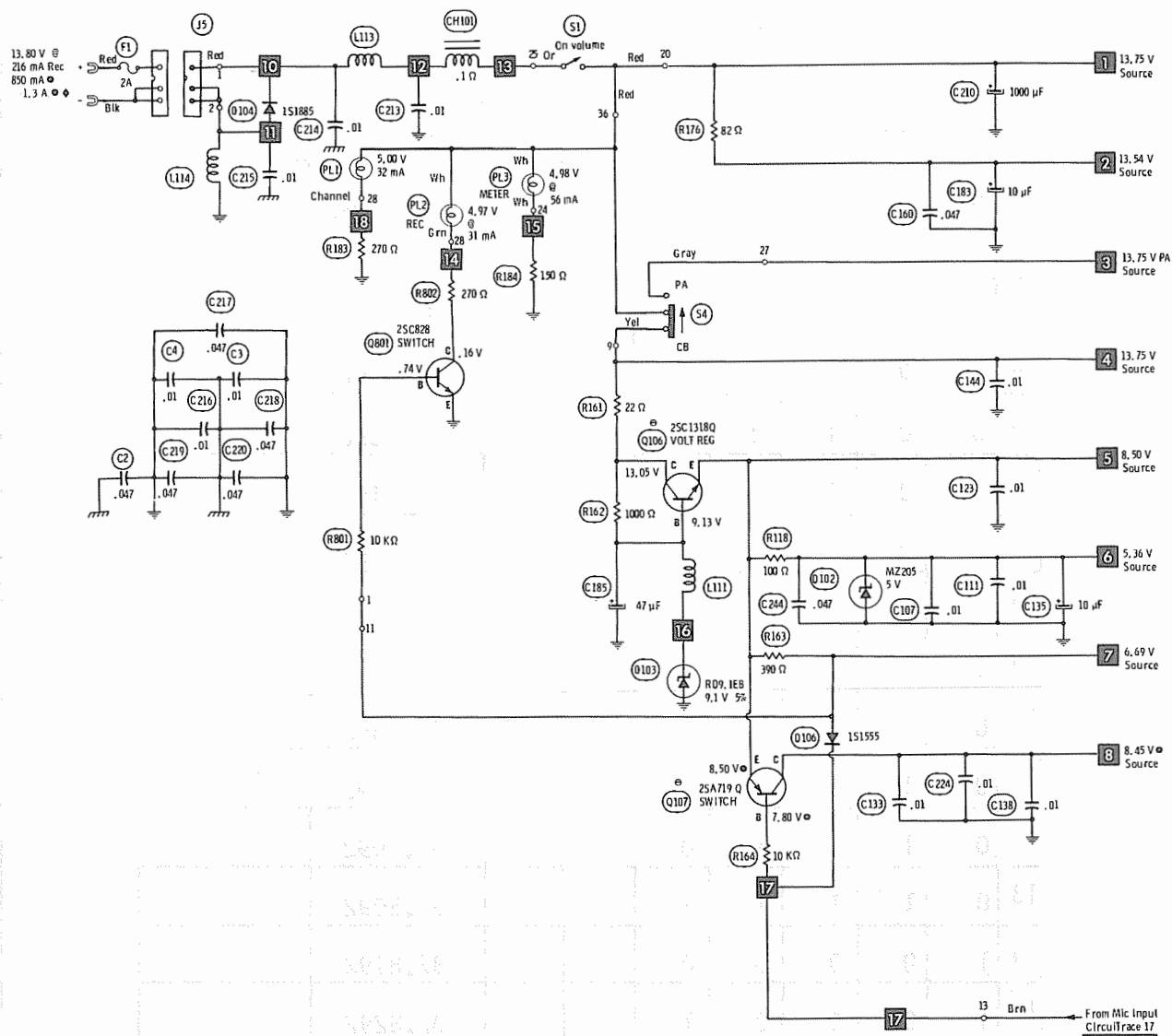
LAMP SWITCH BOARD

TRUTH CHART

1 = 5.34 Volts 0 = 0 Volts

C H A N N E L	IC101 PROGRAM DIVIDER							REC & XMIT VCO OUTPUT IN MHz AT TP2	
	PINS								
	11	12	13	14	15				
1	0	0	0	0	0			37.6592	
2	0	0	0	0	1			37.6692	
3	0	0	0	1	0			37.6792	
4	0	0	1	0	0			37.6992	
5	0	0	1	0	1			37.7092	
6	0	0	1	1	0			37.7192	
7	0	0	1	1	1			37.7292	
8	0	1	0	0	1			37.7492	
9	0	1	0	1	0			37.7592	
10	0	1	0	1	1			37.7692	
11	0	1	1	0	0			37.7792	
12	0	1	1	1	0			37.7992	
13	0	1	1	1	1			37.8092	
14	1	0	0	0	0			37.8192	
15	1	0	0	0	1			37.8292	
16	1	0	0	1	1			37.8492	
17	1	0	1	0	0			37.8592	
18	1	0	1	0	1			37.8692	
19	1	0	1	1	0			37.8792	
20	1	1	0	0	0			37.8992	
21	1	1	0	0	1			37.9092	
22	1	1	0	1	0			37.9192	
23	1	1	1	0	1			37.9492	

RCA MODEL 14T301



- * 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.

A PHOTOFAC STANDARD NOTATION SCHEMATIC

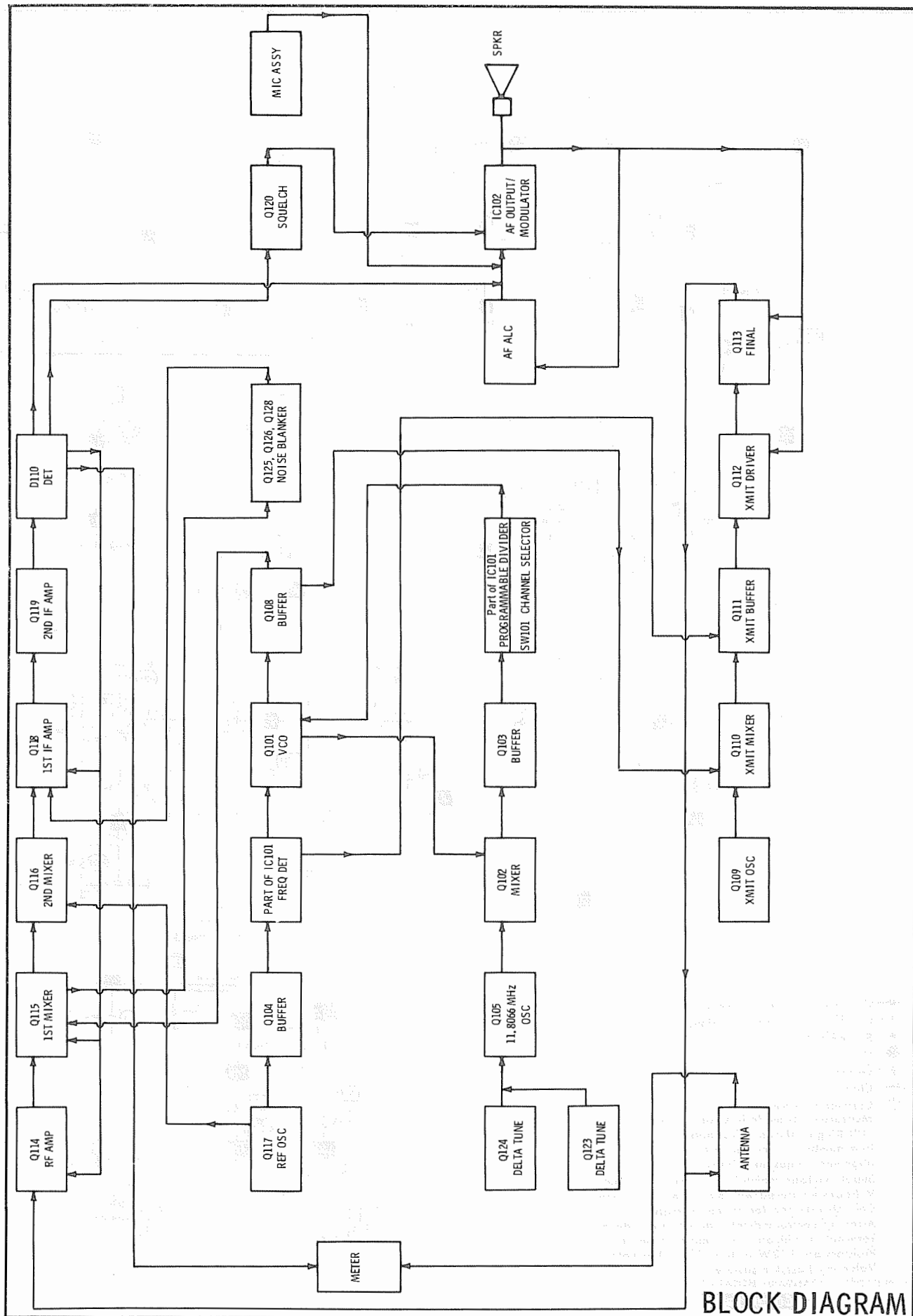
WITH **CIRCUITACE**

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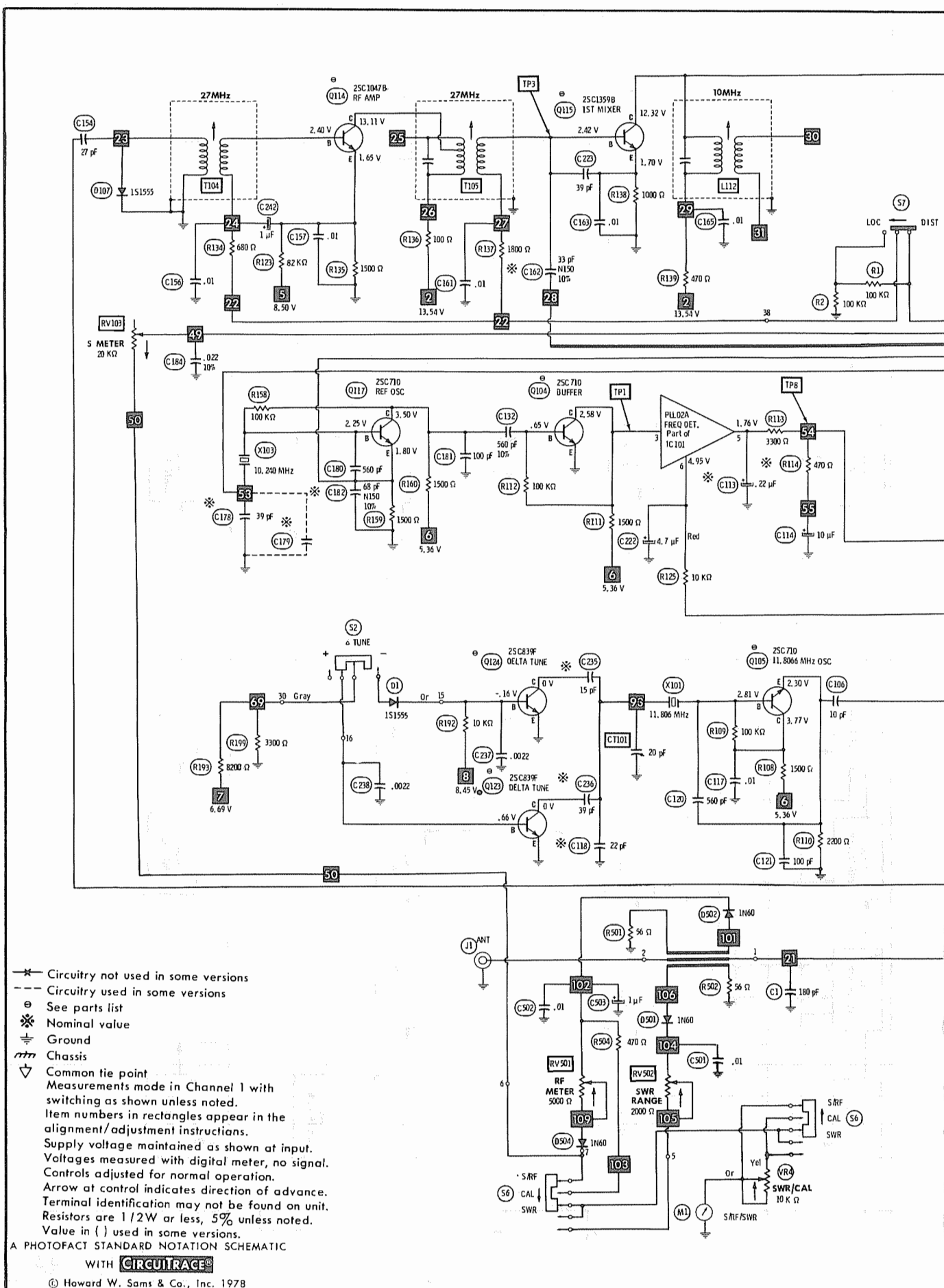
Terminal Guide



Q106, Q107, Q801



BLOCK DIAGRAM



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

SEMICONDUCTORS (Select replacement transistor for best results)

ITEM No.	TYPE No.	MFR. PART No.	REPLACEMENT DATA							
			GENERAL ELECTRIC PART No.	IR WORKMAN PART No.	MALLORY PART No.	MOTOROLA PART No.	RAYTHEON PART No.	RCA PART No.	SPRAGUE PART No.	SYLVANIA PART No.
D1	1S1555	741741	GE-300	D200	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177
D101	ITT410	741738				HEPR2502				ECG612
	BB142	(1)				HEPR2502				ECG612
D102	MZ205	741738		WEP602			RE 105			ECG135
D103	RD9.1E	741739	GEZD-9.1		ZB9.1B		RE 114		RT-240	ECG139A
D104	1S1885	741740	GE-504A	5A4D	PTC201	HEPR0052	RE 49	SK3030	RT-213	ECG116
D105	V06C	166593	GE-504A	5A4D	PTC201	HEPR0052	RE 49	SK3030	RT-213	ECG116
D106	1S1555	741741	GE-300	D200	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177
D107	1S1555	741741	GE-300	D200	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177
D108	1S1555	741741	GE-300	D200	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177
D109	1N60	226344	1N60	1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109
D110	1N60	226344	1N60	1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109
D111	1N60	226344	1N60	1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109
D114	1S1555	741741	1N60	1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109
D115	1N60	226344	1N60	1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109
D116	1N60	226344	1N60	1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109
D501	1N60	226344	1N60	1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109
D502	1N60	226344	1N60	1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109
D504	1N60	226344	1N60	1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109
IC101	PLL02A	741686					RE 360-1C			ECG1167
IC102	TA7205P	741687	GE1C-179	WEP949	PTC780		RE 357-1C	SK3231	TVCM-81	ECG1155
Q101	2SC7100	741726	GE-211 *	(IR)2SC710	PTC115	HEPS0016 *	RE 13 *	SK3018 *	RT-308 *	ECG123A *
	2SC710	(1)	GE-211 *	(IR)2SC710	PTC115	HEPS0016 *	RE 13 *	SK3018 *	RT-308 *	ECG123A *
Q102	2SC7100	741726	GE-211 *	(IR)2SC710	PTC115	HEPS0016 *	RE 13 *	SK3018 *	RT-308 *	ECG123A *
	2SC710	(1)	GE-211 *	(IR)2SC710	PTC115	HEPS0016 *	RE 13 *	SK3018 *	RT-308 *	ECG123A *
	2SC829	(1)	GE-20 *	(IR)2SC829B	PTC121 *	HEPS0015 *	RE 9 *	SK3122	RT-308	ECG229 *
	2SC839	(1)	GE-61 *	(IR)2SC644	PTC132 *	HEPS0015 *	RE 13 *	SK3018 *	RT-308	ECG123A *
Q103	2SC829D	741727	GE-20 *	(IR)2SC829B	PTC121 *	HEPS0015 *	RE 9 *	SK3122	RT-308	ECG229 *
	2SC710	(1)	GE-211 *	(IR)2SC710	PTC115	HEPS0016 *	RE 13 *	SK3018 *	RT-308 *	ECG123A *
	2SC829	(1)	GE-20 *	(IR)2SC829B	PTC121 *	HEPS0015 *	RE 9 *	SK3122	RT-308	ECG229 *
	2SC839	(1)	GE-61 *	(IR)2SC644	PTC132 *	HEPS0015 *	RE 13 *	SK3018 *	RT-308	ECG123A *
Q104	2SC710		GE-211 *	(IR)2SC710	PTC115	HEPS0016 *	RE 13 *	SK3018 *	RT-308 *	ECG123A *
	2SC710D	741726(1)	GE-211 *	(IR)2SC710	PTC115	HEPS0016 *	RE 13 *	SK3018 *	RT-308 *	ECG123A *
	2SC829	(1)	GE-20 *	(IR)2SC829B	PTC121 *	HEPS0015 *	RE 9 *	SK3122	RT-308	ECG229 *
	2SC839	(1)	GE-61 *	(IR)2SC644	PTC132 *	HEPS0015 *	RE 13 *	SK3018 *	RT-308	ECG123A *
Q105	2SC710		GE-211 *	(IR)2SC710	PTC115	HEPS0016 *	RE 13 *	SK3018 *	RT-308 *	ECG123A *
	2SC710D	741726(1)	GE-211 *	(IR)2SC710	PTC115	HEPS0016 *	RE 13 *	SK3018 *	RT-308 *	ECG123A *
	2SC829	(1)	GE-20 *	(IR)2SC829B	PTC121 *	HEPS0015 *	RE 9 *	SK3122	RT-308	ECG229 *
	2SC839	(1)	GE-61 *	(IR)2SC644	PTC132 *	HEPS0015 *	RE 13 *	SK3018 *	RT-308	ECG123A *
Q106	2SC1318Q	741728	GE-210 *	TR-21 *	PTC178	HEPS0015 *	RE 17 *	SK3122	RT-302	ECG128 *
	2SC1318	(1)	GE-210 *	TR-21 *	PTC178	HEPS0015 *	RE 17 *	SK3122	RT-302	ECG128 *
Q107	2SA719Q	741729	GE-269	TR-28 *	PTC103 *	HEPS0019 *	RE 26 *	SK3114	RT-305	ECG290
	2SA719	(1)	GE-269	TR-28 *	PTC103 *	HEPS0019 *	RE 26 *	SK3114	RT-305	ECG290
Q108	2SC1359B	741730	GE-212	(IR)2SC380A0	PTC121 *	HEPS0014 *	RE 192	SK3038 *	RT-308	ECG199
	2SC1359	(1)	GE-212	(IR)2SC380A0	PTC121 *	HEPS0014 *	RE 192	SK3038 *	RT-308	ECG199
	2SC1047	(1)	GE-60 *	(IR)2SC829B	PTC132 *	HEPS0016 *	RE 28 *	SK3018 *	RT-107	ECG161 *
Q109	2SC710		GE-211 *	(IR)2SC710	PTC115	HEPS0016 *	RE 13 *	SK3018 *	RT-308 *	ECG123A *
	2SC710D	741726(1)	GE-211 *	(IR)2SC710	PTC115	HEPS0016 *	RE 13 *	SK3018 *	RT-308 *	ECG123A *
	2SC710		GE-211 *	(IR)2SC710	PTC115	HEPS0016 *	RE 13 *	SK3018 *	RT-308 *	ECG123A *
Q110	2SC710		GE-211 *	(IR)2SC710	PTC115	HEPS0016 *	RE 13 *	SK3018 *	RT-308 *	ECG123A *
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	2SC1687	741731(1)	GE-20 *	TR-24 *	PTC121 *	HEPS0015 *	RE 13 *	SK3018 *	RT-107A *	ECG123A *
Q111	2SC1687	741931	GE-20 *	TR-24 *	PTC121 *	HEPS0015 *	RE 13 *	SK3018 *	RT-107A *	ECG123A *
	2SC1688	(1)	GE-81 *	TR-24 *	PTC121 *	HEPS0027 *	RE 13 *	SK3137 *	RT-172 *	ECG123A *
	2SC1215		GE-61 *	(IR)2SC717	PTC133 *	HEPS0020 *	RE 9	SK3039 *	RT-107A	ECG107
Q112	2SC1760	(14)	GE-276	WEP1014			RE 224		RT-310	ECG306
	2SC1760-3	741688(1)	GE-276	WEP1014			RE 224		RT-310	ECG306
	2SC1846	(1)	GE-336				RE 209			ECG295
	2SC1957	(1)	GE-12	TR-81	PTC104	HEPS5011	RE 14	SK3021	RT-128	ECG124
	2SC2074	(1)	GE-276	WEP1014			RE 224		RT-310	ECG306
Q113	2SC1306	741732(13)	GE-215	WEP1306	PTC186		RE 203	SK3197	RT-146	ECG235
	2SC1678	(1)	GE-322	WEP1678	PTC186		RE 203	SK3197	RT-146	ECG235
	2SC2075	(1)	GE-276	WEP1014			RE 224		RT-310	ECG306
Q114	2SC1047B	741733	GE-60 *	(IR)2SC829B	PTC132 *	HEPS0016 *	RE 28 *	SK3018 *	RT-107	ECG161 *
	2SC784	(1)	GE-60 *	(IR)2SC380A0	PTC132 *	HEPS0008 *	RE 28 *	SK3018 *	RT-187	ECG229 *
	2SC1047	(1)	GE-60 *	(IR)2SC829B	PTC132 *	HEPS0016 *	RE 28 *	SK3018 *	RT-107	ECG161 *
	2SC1359	(1)	GE-212	(IR)2SC380A0	PTC121 *	HEPS0014 *	RE 192	SK3038 *	RT-308	ECG199
Q115	2SC1359B	741730	GE-212	(IR)2SC380A0	PTC121 *	HEPS0014 *	RE 192	SK3038 *	RT-308	ECG199
	2SC710	(1)	GE-211 *	(IR)2SC710	PTC115	HEPS0016 *	RE 13 *	SK3018 *	RT-308 *	ECG123A *
	2SC1359	(1)	GE-212	(IR)2SC380A0	PTC121 *	HEPS0014 *	RE 192	SK3038 *	RT-308	ECG199
Q116	2SC829C	166906	GE-20 *	(IR)2SC829B	PTC121 *	HEPS0015 *	RE 9 *	SK3122	RT-308	ECG229 *
	2SC710	(1)	GE-211 *	(IR)2SC710	PTC115	HEPS0016 *	RE 13 *	SK3018 *	RT-308 *	ECG123A *
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Q117	2SC710		GE-211 *	(IR)2SC710	PTC115	HEPS0016 *	RE 13 *	SK3018 *	RT-308 *	ECG123A *
	2SC710D	741726(1)	GE-211 *	(IR)2SC710	PTC115	HEPS0016 *	RE 13 *	SK3018 *	RT-308 *	ECG123A *
Q118	2SC829C	116906	GE-20 *	(IR)2SC829B	PTC121 *	HEPS0015 *	RE 9 *	SK3122	RT-308	ECG229 *
	2SC710	(1)	GE-211 *	(IR)2SC710	PTC115	HEPS0016 *	RE 13 *	SK3018 *	RT-308 *	ECG123A *
	2SC829	(1)	GE-20 *	(IR)2SC829B	PTC121 *	HEPS0015 *	RE 9 *	SK3122	RT-308	ECG229 *
	2SC839	(1)	GE-61 *	(IR)2SC644	PTC132 *	HEPS0015 *	RE 13 *	SK3018 *	RT-308	ECG123A *

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.	IR WORKMAN PART No.	MALLORY PART No.	MOTOROLA PART No.	RAYTHEON PART No.	RCA PART No.	SPRAGUE PART No.	SYLVANIA PART No.
Q119	2SC829C	116906	GE-20 *	(IR)2SC829B	PTC121 *	HEPS0015 *	RE 9 *	SK3122	RT-308	ECG229 *
	2SC710	(1)	GE-211 *	(IR)2SC710	PTC115	HEPS0016 *	RE 13 *	SK3018 *	RT-308 *	ECG123A *
	2SC829	(1)	GE-20 *	(IR)2SC829B	PTC121 *	HEPS0015 *	RE 9 *	SK3122	RT-308	ECG229 *
	2SC839	(1)	GE-20 *	(IR)2SC829B	PTC121 *	HEPS0015 *	RE 9 *	SK3122	RT-308	ECG229 *
Q120	2SC372Y	741739	GE-61 *	(IR)2SC372	PTC121 *	HEPS0015 *	RE 13 *	SK3122	RT-308	ECG123A *
	2SC372	(1)	GE-61 *	(IR)2SC372	PTC121 *	HEPS0015 *	RE 13 *	SK3122	RT-308	ECG123A *
	2SC828	(1)	GE-61 *	(IR)2SC828A	PTC121 *	HEPS0015 *	RE 192	SK3122	RT-302	ECG199
	2SC945	741724(1)	GE-212	(IR)2SC945	PTC121 *	HEPS0015 *	RE 192	SK3124	RT-107A	ECG199
Q121	2SC828Q	741736	GE-61 *	(IR)2SC828A	PTC121 *	HEPS0015 *	RE 192	SK3122	RT-302	ECG199
	2SC828	(1)	GE-61 *	(IR)2SC828A	PTC121 *	HEPS0015 *	RE 192	SK3122	RT-302	ECG199
	2SC945	741724(1)	GE-212	(IR)2SC945	PTC121 *	HEPS0015 *	RE 192	SK3124	RT-107A	ECG199
	2SC372	(1)	GE-61 *	(IR)2SC372	PTC121 *	HEPS0015 *	RE 13 *	SK3122	RT-308	ECG123A *
Q122	2SC828P	741737(1)	GE-61 *	(IR)2SC828A	PTC121 *	HEPS0015 *	RE 192	SK3122	RT-302	ECG199
	2SC828P	741737	GE-61 *	(IR)2SC828A	PTC121 *	HEPS0015 *	RE 192	SK3122	RT-302	ECG199
	2SC372	(1)	GE-61 *	(IR)2SC372	PTC121 *	HEPS0015 *	RE 13 *	SK3122	RT-308	ECG123A *
	2SC828	(1)	GE-61 *	(IR)2SC828A	PTC121 *	HEPS0015 *	RE 192	SK3122	RT-302	ECG199
Q123	2SC945	741724(1)	GE-212	(IR)2SC945	PTC121 *	HEPS0015 *	RE 192	SK3124	RT-107A	ECG199
	2SC839F	741805	GE-61 *	(IR)2SC644	PTC132 *	HEPS0015 *	RE 13 *	SK3018 *	RT-308	ECG123A *
	2SC710	(1)	GE-211 *	(IR)2SC710	PTC115	HEPS0016 *	RE 13 *	SK3018 *	RT-308 *	ECG123A *
	2SC829	(1)	GE-20 *	(IR)2SC829B	PTC121 *	HEPS0015 *	RE 9 *	SK3122	RT-308	ECG229 *
Q124	2SC839	(1)	GE-61 *	(IR)2SC644	PTC132 *	HEPS0015 *	RE 13 *	SK3018 *	RT-308	ECG123A *
	2SC839F	741805	GE-61 *	(IR)2SC644	PTC132 *	HEPS0015 *	RE 13 *	SK3018 *	RT-308	ECG123A *
	2SC710	(1)	GE-211 *	(IR)2SC710	PTC115	HEPS0016 *	RE 13 *	SK3018 *	RT-308 *	ECG123A *
	2SC829	(1)	GE-20 *	(IR)2SC829B	PTC121 *	HEPS0015 *	RE 9 *	SK3122	RT-308	ECG229 *
Q125	2SC839	(1)	GE-61 *	(IR)2SC644	PTC132 *	HEPS0015 *	RE 13 *	SK3018 *	RT-308	ECG123A *
	2SC900U	741806	GE-62	(IR)2SC644	PTC139 *	HEPS0015 *	RE 192	SK3124	RT-302	ECG199
	2SC900	(1)	GE-62	(IR)2SC644	PTC139 *	HEPS0015 *	RE 192	SK3124	RT-302	ECG199
	2SA733Q	741008	GE-48	TR-31	PTC103 *	HEPS0019 *	RE 26 *	SK3138	RT-303	ECG294
Q126	2SA733	(1)	GE-48	TR-31	PTC103 *	HEPS0019 *	RE 26 *	SK3138	RT-303	ECG294
	2SA844	(1)	GE-244 *	TR-30 *	PTC103 *	HEPS0019 *	RE 18 *	SK3114	RT-126A *	ECG129 *
	2SA733P	(1)	GE-269	TR-31	PTC103 *	HEPS0012 *	RE 197 *	SK3114	RT-106	ECG290
	2SC829B	(1)	GE-20 *	(IR)2SC829B	PTC121 *	HEPS0015 *	RE 9 *	SK3122	RT-308	ECG229 *
Q128	2SC829	(1)	GE-20 *	(IR)2SC829B	PTC121 *	HEPS0015 *	RE 9 *	SK3122	RT-308	ECG229 *
	2SC828C	166906(1)	GE-61 *	(IR)2SC828A	PTC121 *	HEPS0015 *	RE 192	SK3122	RT-302	ECG199
	2SC945	741724	GE-212	(IR)2SC945	PTC121 *	HEPS0015 *	RE 192	SK3124	RT-107A	ECG199
	2SC945	741724	GE-212	(IR)2SC945	PTC121 *	HEPS0015 *	RE 192	SK3124	RT-107A	ECG199

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.	MFGR. PART No.	REPLACEMENT DATA							
			GENERAL ELECTRIC PART No.	IR WORKMAN PART No.	MALLORY PART No.	MOTOROLA PART No.	RAYTHEON PART No.	RCA PART No.	SPRAGUE PART No.	SYLVANIA PART No.
Q119	2SC829C	116906	GE-20 *	(1R)2SC829B	PTC121 *	HEPS0015 *	RE 9 *	SK3122	RT-308	ECG229 *
Q120	2SC710	(1)	GE-211 *	(1R)2SC710	PTC115	HEPS0016 *	RE 13 *	SK3018 *	RT-308 *	ECG123A *
	2SC829	(1)	GE-20 *	(1R)2SC829B	PTC121 *	HEPS0015 *	RE 9 *	SK3122	RT-308	ECG229 *
	2SC839	(1)	GE-20 *	(1R)2SC829B	PTC121 *	HEPS0015 *	RE 9 *	SK3122	RT-308	ECG229 *
	2SC372Y	741739	GE-61 *	(1R)2SC372	PTC121 *	HEPS0015 *	RE 13 *	SK3122	RT-308	ECG123A *
Q121	2SC372	(1)	GE-61 *	(1R)2SC372	PTC121 *	HEPS0015 *	RE 13 *	SK3122	RT-308	ECG123A *
	2SC828	(1)	GE-61 *	(1R)2SC828A	PTC121 *	HEPS0015 *	RE 192	SK3122	RT-302	ECG199
	2SC945	741724(1)	GE-212	(1R)2SC945	PTC121 *	HEPS0015 *	RE 192	SK3124	RT-107A	ECG199
	2SC828Q	741736	GE-61 *	(1R)2SC828A	PTC121 *	HEPS0015 *	RE 192	SK3122	RT-302	ECG199
Q122	2SC828	(1)	GE-61 *	(1R)2SC828A	PTC121 *	HEPS0015 *	RE 192	SK3122	RT-302	ECG199
	2SC945	741724(1)	GE-212	(1R)2SC945	PTC121 *	HEPS0015 *	RE 192	SK3124	RT-107A	ECG199
	2SC372	(1)	GE-61 *	(1R)2SC372	PTC121 *	HEPS0015 *	RE 13 *	SK3122	RT-308	ECG123A *
	2SC828P	741737(1)	GE-61 *	(1R)2SC828A	PTC121 *	HEPS0015 *	RE 192	SK3122	RT-302	ECG199
Q123	2SC828P	741737	GE-61 *	(1R)2SC828A	PTC121 *	HEPS0015 *	RE 192	SK3122	RT-302	ECG199
	2SC372	(1)	GE-61 *	(1R)2SC372	PTC121 *	HEPS0015 *	RE 13 *	SK3122	RT-308	ECG123A *
	2SC828	(1)	GE-61 *	(1R)2SC828A	PTC121 *	HEPS0015 *	RE 192	SK3122	RT-302	ECG199
	2SC945	741724(1)	GE-212	(1R)2SC945	PTC121 *	HEPS0015 *	RE 192	SK3124	RT-107A	ECG199
Q124	2SC839F	741805	GE-61 *	(1R)2SC644	PTC132 *	HEPS0015 *	RE 13 *	SK3018 *	RT-308	ECG123A *
	2SC710	(1)	GE-211 *	(1R)2SC710	PTC115	HEPS0016 *	RE 13 *	SK3018 *	RT-308 *	ECG123A *
	2SC829	(1)	GE-20 *	(1R)2SC829B	PTC121 *	HEPS0015 *	RE 9 *	SK3122	RT-308	ECG229 *
	2SC839	(1)	GE-61 *	(1R)2SC644	PTC132 *	HEPS0015 *	RE 13 *	SK3018 *	RT-308	ECG123A *
Q125	2SC839F	741805	GE-61 *	(1R)2SC644	PTC132 *	HEPS0015 *	RE 13 *	SK3018 *	RT-308	ECG123A *
	2SC710	(1)	GE-211 *	(1R)2SC710	PTC115	HEPS0016 *	RE 13 *	SK3018 *	RT-308 *	ECG123A *
	2SC829	(1)	GE-20 *	(1R)2SC829B	PTC121 *	HEPS0015 *	RE 9 *	SK3122	RT-308	ECG229 *
	2SC839	(1)	GE-61 *	(1R)2SC644	PTC132 *	HEPS0015 *	RE 13 *	SK3018 *	RT-308	ECG123A *
Q126	2SC900U	741806	GE-62	(1R)2SC644	PTC139 *	HEPS0015 *	RE 192	SK3124	RT-302	ECG199
	2SC900	(1)	GE-62	(1R)2SC644	PTC139 *	HEPS0015 *	RE 192	SK3124	RT-302	ECG199
	2SA733Q	741008	GE-48	TR-31	PTC103 *	HEPS0019 *	RE 26 *	SK3138	RT-303	ECG294
	2SA733	(1)	GE-48	TR-31	PTC103 *	HEPS0019 *	RE 26 *	SK3138	RT-303	ECG294
Q128	2SA844	(1)	GE-244 *	TR-30 *	PTC103 *	HEPS0019 *	RE 18 *	SK3114	RT-126A *	ECG129 *
	2SA733P	(1)	GE-269	TR-31	PTC103 *	HEPS0012 *	RE 197 *	SK3114	RT-106	ECG290
	2SC829B	(1)	GE-20 *	(1R)2SC829B	PTC121 *	HEPS0015 *	RE 9 *	SK3122	RT-308	ECG229 *
	2SC829	(1)	GE-20 *	(1R)2SC829B	PTC121 *	HEPS0015 *	RE 9 *	SK3122	RT-308	ECG229 *
Q801	2SC828C	166906(1)	GE-61 *	(1R)2SC828A	PTC121 *	HEPS0015 *	RE 192	SK3122	RT-302	ECG199
Q802	2SC945	741724	GE-212	(1R)2SC945	PTC121 *	HEPS0015 *	RE 192	SK3124	RT-107A	ECG199

- * Lead configuration may vary from original.
(1) Used in some versions.
(12) 12 WATTS @ 3 AMPS.
(13) 950 M WATTS @ 500 mA.

ELECTROLYTIC CAPACITORS

ITEM No.	RATING	REPLACEMENT DATA				
		MFGR. PART No.	CORNELL- DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.	
					Q-LINE	GENERAL LINE
C104	10 16V	742068	PC10-25	VTT10B25	QV1-41	EV-1222
C113	.22 50V	741757		TDC224M050EL	QDT1-10	SD50-R229
C114	10 16V	742072	PC10-25	VTT10B25	QV1-41	EV-1222
C115	.1 50V	741759		TDC104M050EL	QDT1-2	SD50-R109
C135	10 16V	742068	PC10-25	VTT10B25	QV1-41	EV-1222
C174	3.3 25V	742074	PC5-50	VTT3R3A50	QV1-23	EV-1318
C176	1 50V	742076	PC1-50	VTT1A50	QV1-11	EV-1615
C183	10 16V	742068	PC10-25	VTT10B25	QV1-41	EV-1222
C185	47 10V	742077	PC50-16	VTT47D16	QV1-73	EV-1226
C196	3.9 25V	741793		TDC475M010EL	QDT1-48	SD10-4R79
C197	33 6.3V	741794	PC30-25	VTT33B10	QV1-61	EV-1125
C203	47 16V	742079	PC50-16	VTT47D16	QV1-73	EV-1226
C204	220 16V	741797	PC250-25	VTT220H16	QV1-117	EV-1240
C207	33 6.3V	741794	PC30-25	VTT33B10	QV1-61	EV-1125
C208	10 16V	742068	PC10-25	VTT10B25	QV1-41	EV-1222
C209	1 50V	742076	PC1-50	VTT1A50	QV1-11	EV-1615
C210	1000 16V	742080	PC1000-16	VTT1000L16	QV1-183	EV-1260
C211	47 25V	742081	PC50-25	VTT47E25	QV1-75	EV-1326
C212	33 6.3V	741794	PC30-25	VTT33B10	QV1-61	EV-1125
C222	4.7 25V	742082		TDC475M010EL	QDT1-48	SD10-4R79
C240	33 16V	742085	PC30-25	VTT33D25	QV1-63	EV-1325
C242	1 50V	742076	PC1-50	VTT1A50	QV1-11	EV-1615
C503	1 50V	742089	PC1-50	VTT1A50	QV1-11	EV-1615

PARTS LIST AND DESCRIPTION (CONTINUED)

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

CAPACITORS

ITEM No.	RATING	MFGR. PART No.	REPLACEMENT DATA				
			CENTRALAB PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.	
						Q-LINE	GENERAL LINE
C1	180 500V			CD15FD181J03	SX318	QW1-33	MMA-181
C2	.047 50V		DC-503	MGP05	TA150	QC2-207	TG-S50
C3	.01 50V		DC-103	MGP01	TA110	QC2-141	TG-S10
C4	.01 50V		DC-103	MGP01	TA110	QC2-141	TG-S10
C101	18 NPO 50V				CN0418		10TCC-Q18
C102	22 50V		DTZ-22	NP022	CN0422		10TCC-Q22
C103	1 NPO 50V				CN0510		10TCC-V10
C106	10 50V		OTZ-10	NP010	CN0410		10TCC-Q10
C107	.01 50V		DC-103	MGP01	TA110	QC2-141	TG-S10
C108	330 50V		OD-331	GP330	GP333		10TS-T33
C109	330 50V		DD-331	GP330	GP333		10TS-T33
C110	.001 50V			OPMS601	EWFA1A210	QF1-1	1PB-010
C111	.01 50V			WMF1S1	EWFA1A110	QF1-91	1PB-S10
C112	39 50V				CN0439		10TCC-Q39
C116	15 50V		OTZ-15	NP015	CN0415		10TCC-Q15
C117	.01 50V			WMF1S1	EWFA1A110	QF1-91	1PB-S10
C118	22 N150 50V	741807			*		10TCP-Q22
C120	560 50V		00-561		GP356		10TS-T56
C121	100 N150 50V	741763			*		10TCP-T10
C122	15 50V		DTZ-15	NP015	CN0415		10TCC-Q15
C123	.01 50V		OC-103	MGP01	TA110	QC2-141	TG-S10
C124	100 500V			CD15F0101J03	SX310	QW1-27	MMA-101
C125	33 50V		OTZ-33	NP033	CN0433		10TCC-Q33
C126	12 N150 50V	741766			*		10TCP-Q12
C127	56 N150 50V	741767			*		10TCP-Q56
C129	560 50V		OD-561		GP356		10TS-T56
C130	82 N150 50V	741768			*		10TCP-Q82
C131	.01 50V		OC-103	MGP01	TA110	QC2-141	TG-S10
C132	560 50V			CD19F0561J03	SX356		MWC-561
C133	.01 50V		DC-103	MGP01	TA110	QC2-141	TG-S10
C136	270 50V		DD-271	GP270	GP327		10TS-T27
C137	.01 50V		DC-103	MGP01	TA110	QC2-141	TG-S10
C138	.01 50V		OC-103	MGP01	TA110	QC2-141	TG-S10
C139	2 50V		DTZ-2R2	NP02P2	CN0522		10TCC-V22
C140	2 50V		DTZ-2R2	NP02P2	CN0522		10TCC-V22
C141	68 50V		DD-680	GP68	GP468		10TS-Q68
C142	.01 50V		DC-103	MGP01	TA110	QC2-141	TG-S10
C143	100 N150 50V				*		10TCP-T10
C144	.01 50V		OC-103	MGP01	TA110	QC2-141	TG-S10
C145	.01 50V		DC-103	MGP01	TA110	QC2-141	TG-S10
C146	470 50V		DD-471	GP470	GP347		10TS-T47
C147	.01 50V		OC-103	MGP01	TA110	QC2-141	TG-S10
C148	120 50V		OTZ-120	CN0312	CN0312		10TCC-T12
C149	220 50V		DD-221	GP322	GP322		10TS-T22
C150	.01 50V		DC-103	MGP01	TA110	QC2-141	TG-S10
C151	100 500V			CD15F0101J03	SX310	QW1-27	MMA-101
C152	270 500V			CD15F0271J03	SX327	QW1-37	MMB-271
C153	82 50V		OD-820		GP482		10TS-Q82
C154	27 50V				CN0427		10TCC-Q27
C155	.047 50V		OC-503	MGP05	TA150	QC2-207	TG-S50
C156	.01 50V		OC-103	MGP01	TA110	QC2-141	TG-S10
C157	.01 50V		DC-103	MGP01	TA110	QC2-141	TG-S10
C159	.047 50V		DC-503	MGP05	TA150	QC2-207	TG-S50
C160	.047 50V			DPMS2S47	EWFA1A147	QF1-171	1PB-S47
C161	.01 50V		DC-103	MGP01	TA110	QC2-141	TG-S10
C162	33 N150 50V	741781			*		10TCP-Q33
C163	.01 50V		DC-103	MGP01	TA110	QC2-141	TG-S10
C164	2 50V		DTZ-2R2	NP02P2	CN0522		10TCC-V22
C165	.01 50V		DC-103	MGP01	TA110	QC2-141	TG-S10
C166	47 N150 50V	742007			*		10TCP-Q47
C168	2.2 500V		DTZ-2R2	NP02P2	CN0522		10TCC-V22
C169	.047 50V			DPMS2S47	EWFA1A147	QF1-171	1PB-S47
C170	.047 50V			DPMS2S47	EWFA1A147	QF1-171	1PB-S47
C171	.047 50V			OPMS2S47	EWFA1A147	QF1-171	1PB-S47
C172	.047 50V			OPMS2S47	EWFA1A147	QF1-171	1PB-S47
C173	.047 50V			DPMS2S47	EWFA1A147	QF1-171	1PB-S47
C175	.0047 50V			WMF1D47	EWFA1A247	QF1-57	1PB-D47
C177	.0022 50V			DPMS6D22	EMF6222		6PS-D22
C178	39 N150 50V	741761			*		10TCP-Q39
C180	560 50V		DD-561		GP356		10TS-T56
C181	100 50V		DD-101	GP100	GP310		10TS-T10
C182	68 N150 50V	741788			*		10TCP-Q68
C184	.022 50V			DPMS2S22	EWFA1A122	QF1-127	1PB-S22
C189	.0022 50V		DD-222		GP222	QC2-97	5GA-D22
C190	.01 50V		DC-103	MGP01	TA110	QC2-141	TG-S10
C191	.022 50V			DPMS2S22	EWFA1A122	QF1-127	1PB-S22
C192	220 50V		DD-221		GP322		10TS-T22
C193	.01 50V			WMF1S1	EWFA1A110	QF1-91	1PB-S10
C194	.01 50V		DC-103	MGP01	TA110	QC2-141	TG-S10
C195	.0022 50V		DD-222		GP222	QC2-97	5GA-D22
C198	68 50V		DD-680	GP68	GP468		10TS-Q68
C199	68 50V		DD-680	GP68	GP468		10TS-Q68
C200	100 50V		DD-101	GP100	GP310		10TS-T10
C201	.068 50V			WMF1S68	EWFA1A168	QF1-195	1PB-S68
C202	100 50V		DD-101	GP100	GP310		10TS-T10
C205	.068 50V			WMF1S68	EWFA1A168	QF1-195	1PB-S68
C213	.01 50V		DC-103	MGP01	TA110	QC2-141	TG-S10
C214	.01 50V		DC-103	MGP01	TA110	QC2-141	TG-S10

PARTS LIST AND DESCRIPTION (CONTINUED)

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

CAPACITORS (cont)

CAPACITORS (CONT.)			REPLACEMENT DATA					
ITEM No.	RATING	MFR. PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.		
						Q-LINE	GENERAL LINE	
C215	.01 50V	741810 741761	OC-103	MGP01	TA110	QC2-141	TG-S10	
C216	.01 50V		OC-103	MGP01	TA110	QC2-141	TG-S10	
C217	.047 50V		DC-503	MGP05	TA150	QC2-207	TG-S50	
C218	.047 50V		DC-503	MGP05	TA150	QC2-207	TG-S50	
C219	.047 50V		DC-503	MGP05	TA150	QC2-207	TG-S50	
C220	.047 50V		OC-503	MGP05	TA150	QC2-207	TG-S50	
C223	39 50V		DD-221	OC-103 DTZ-4R7 DC-103	CN0439	QC2-141	10TCC-Q39	
C224	.01 50V				TA110		TG-S10	
C230	4 50V				CN0547		10TCC-V47	
C231	.01 50V				TA110		TG-S10	
C232	.0033 50V				SX222		MWC-222	
C233	220 50V				GP322		10TS-T22	
C235	15 N150 50V				*		10TCP-Q15	
C236	39 N150 50V				*		10TCP-Q39	
C237	.0022 50V				DPMS6D22		6PS-D22	
C238	.0022 50V				DPMS6D22		6PS-D22	
C243	100 50V	741721	DD-101	MGP05	GP310	10TS-T10		
C244	.047 50V		DC-503		TA150	QC2-207	TG-S50	
C245	27 50V		DD-221		CN0427	10TCC-Q27		
C275	220 50V				GP322	10TS-T22		
C501	.01 50V		DC-103		MGP01	TA110	QC2-141	TG-S10
C502	.01 50V		DC-103		MGP01	TA110	QC2-141	TG-S10
CT101	20 50V							

RCA MODEL 14T301

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

ITEM No.	FUNCTION	RESISTANCE	REPLACEMENT DATA				
			MFR. PART No.	CENTRALAB PART No.	CLAROSTAT PART No.	MALLORY PART No.	TRW PART No.
RV101	Squelch Range	10K	741707	T-5000 (2) T-2500 (2)	C-502 (2) C-252 (2)	MTC53L1 (2) MTC23L1 (2)	X201R502B (2) X201R252B (2)
RV102	AF ALC	2000	741708				
RV103	S Meter	20K	741709				
RV501	RF Meter	5000	741722				
RV502	SWR Range	2000	741723				
VR1	Volume/Switch	50K	741828	741829			
VR2	Squelch	10K	741829				
VR4	SWR Cal	10K	741829				

(2) Cut off one of the end terminals and bend to fit PC board.

COILS (RF-IF)

ITEM No.	FUNCTION	REPLACEMENT DATA			REMARKS
		PART No.	OTHER IDENTIFICATION	MILLER PART No.	
L101	RF Choke (22uH)	741692			
L103	Xmit Mixer (27MHz)	741693			
L104	Xmit Mixer (27MHz)	741694			
L105	RF Choke (2.2uH)	741695			
L106	Xmit Driver (27MHz)	741696			
L107	RF Choke (68uH)	741697			
L108	RF Choke	741698			
L109	Final (27MHz)	741699			
L110	Pi Filter (27MHz)	741700			
L111	RF Choke (68uH)	741697			
L112	IF (10MHz)	741701			
L113	RF Choke	741702			
L114	RF Choke	741702			
L116	RF Choke	741703			
T101	VCO (17MHz)	741711			
T102	Xmit Mixer (27MHz)	741712			
T103	Xmit Buffer (27MHz)	741713			
T104	Rec Antenna (27MHz)	741714			
T105	Rec RF (27MHz)	741715			
T106	IF (10MHz)	741701			
T107	IF (455kHz)	741717			
T108	IF (455kHz)	741718			
T109	IF (455kHz)	741719			
T111	VCO Buffer (17MHz)	741720			

FILTER CHOKE

ITEM No.	RATINGS			REPLACEMENT DATA			NOTES
	CURRENT (Measured)	DC RES.	INDUCTANCE (IO CURRENT 1000~)	MFR. PART No.	THORDARSON PART No.	TRIAD PART No.	
CH101	1.375A	.12	.48mH	741691 ELA-16 (1)	TR523		(1) Number on unit.

PARTS LIST AND DESCRIPTION (CONTINUED)

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

TRANSFORMER (Audio Output)

ITEM No.	IMPEDANCE		REPLACEMENT DATA			NOTES
	PRI.	SEC.	MFGR. PART No.	THORDARSON PART No.	TRIAD PART No.	
T110	2.88	1 8 2 13.52	741690 ETA-66 (1)	TR723	MCB-16	(1) Number on unit.

SPEAKER

ITEM No.	TYPE	REPLACEMENT DATA		NOTES
		MFGR. PART No.	QUAM PART No.	
SP1	3 1/2" PM 8 Ohms		3A05Z8R	

FUSE DEVICES

ITEM No.	DESCRIPTION	REPLACEMENT DATA					
		PART No.		BUSS PART No.		LITTELFUSE PART No.	
		DEVICE	HOLDER	DEVICE	HOLDER	DEVICE	HOLDER
F1	2A		741827	AGC2	HDJ	312002	150145
							FG2-2

MICROPHONE

ITEM No.	REPLACEMENT DATA				CONNECTION DATA						
	MFGR. PART No.	GC PART No.	GC NOISE CANCEL	GC POWER	GC CONNECTOR	GC Red	GC Shield	GC Yellow	GC Blue	GC White	GC Black
MIC	741826	18-032	18-034	18-010	18-092	1	2	4	3	NC	2

MISCELLANEOUS

ITEM No.	PART NAME	PART No.	NOTES
CF101	Ceramic Filter	741812	455kHz
J1	Jack	741814	Antenna
J2	Jack	741815	Microphone
J3	Jack	741816	PA Speaker
J4	Jack	741816	External Speaker
J5	Jack	741819	Power
M1	Meter	741831	S/R/F/SWR (Includes Lamp PL3)
PL1	Lamp	741818	Channel Indicator (5.00V @ 32mA)
PL2	Lamp	741832	Rec (4.97V @ 31mA)
PL3	Lamp		Meter (Part of Meter) (4.98V @ 56mA)
PL4	Lamp	741833	Mod (3.83V @ 28mA)
S1	Switch		Power (Part of Volume Control)
S2	Switch	741834	Delta Tune
S3	Switch	741817	ANL
S4	Switch	741817	CB/PA
S5	Switch	741817	NB
S6	Switch	741834	RF/CAL/SWR
S7	Switch	741817	LOC/DX
SW101	Switch	741710	Channel Selector
X101	Crystal	741704	11.806MHz
X102	Crystal	741705	10.695MHz
X103	Crystal	741706	10.240MHz

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

ITEM	PART No.	ITEM	PART No.
Escutcheon	741838	Channel Indicator Disc	742010
Knob, Channel Selector	741822	Mounting Bracket	742018
Knob, Control	741823	Microphone Hanger	741825

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		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')