



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 SB-540D

MANUFACTURER'S SPECIFICATIONS

TRANSMITTER

Power Output

AM: 4 watts

SSB: 12 watts (PEP)

Modulation

AM: High level Collector modulation

SSB: Low level balanced modulator and filter

Spurious Radiation

All spurious and harmonics are more than 60dB below the carrier.

SSB Carrier Suppression

more than 40dB

Antenna Impedance

50 ohms (nominal)

RECEIVER

Sensitivity

AM: 0.5uV for 10dB S + N/N

SSB: 0.3uV for 10dB S + N/N

Adjacent Channel Rejection

AM: 70dB (10 KHz)

SSB: 70dB (10 KHz)

Image Rejection

65dB

Spurious Rejection

60dB

Intermediate Frequency

10.6935 MHz

IF Rejection

65dB

AGC

Less than 10dB increase in audio output for input of 5uV to 50mV

Squelch

Adjustable. Threshold less than 1uV

Clarifier Range

± 1.2 KHz available on unit and mic-control (clar-o-mic)

Audio Output Power

3.5 watts into 8 ohms

Frequency Response

350 to 2500 Hz

Distortion

less than 10 % at 3.5 watts output

Built-in Speaker

8 ohms, round

ROBYN MODEL SB-540D

Courtesy of the Manufacturer

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

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9CF1022

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 9-volt DC input.
Adjustments made with 12-volt DC input.
Adjust VR931 for 13.8-volts DC at TP10.
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:

L101, L102, L111, L211, L412, L413, L421, L431, L571,

L631, L632.....9440

L121, L141, L411, L511, L611, L371, L621.....5000, 5009, 8276, 8728, 9089

L442, L454, L457.....8282, 8606, 9302, 9440

VC571, VC631, VC681.....5000, 8276, 9089

SYNTHESIZER ALIGNMENT

TEST EQUIPMENT	TRANSCEIVER	ADJUST	REMARKS
Input of frequency counter to TP1 (Q68 Pin 12).	Ch. 19 AM	VC681	Adjust for 10.240MHz
Input of DC meter to TP2 (Junction of R684 and R614).	Ch. 1 AM	L611	Adjust for 2.00 volts. Check for approximate 3.25 volts on channel 40.
Input of oscilloscope to TP3 (L621 secondary) (PLL unit Pin 16).	Ch. 19 AM Clarifier Detent	L621	Adjust for maximum RF (400mV p-p typical) See Figure 1. <i>16.2715</i>
Input of frequency counter to TP3 (L621 secondary) (PLL unit Pin 16).	Ch. 1 AM	L631	Adjust for 16.5115MHz. Check all channels. (See Truth Chart for correct frequencies.)
Input of frequency counter to TP3 (L621 secondary) (PLL unit Pin 16).	Ch. 1 USB	VC631	Adjust for 16.2740MHz. Check all channels. (See Truth Chart for correct frequencies.)
Input of frequency counter to TP3 (L621 secondary) (PLL unit Pin 16).	Ch. 1 LSB	L632	Adjust for 16.2690MHz. Check all channels. (See Truth Chart for correct frequencies.)
Input of frequency counter to TP4 (Q68 Pin 14).	Ch. 1		Check for .910MHz. Check all channels. (See Truth Chart for correct frequencies.)
Input of frequency counter to TP5 (Junction of C583 and C584).	Ch. 19 USB	L571	Adjust for 10.691MHz.
Input of frequency counter to TP5 (Junction of C583 and C584).	Ch. 19 LSB	VC571	Adjust for 10.696MHz.

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. Preset controls as follows, unless otherwise noted: RF Gain Maximum,Clarifier Midrange,Squelch MINIMUM,NB Off,Tone High.

TEST EQUIPMENT	TRANSCEIVER	ADJUST	REMARKS
Output of signal generator to antenna input. 27.185MHz,1000Hz @ 30% modulation.	Ch. 19 AM	L141,L511, L121,L111, L102,L101	Adjust for maximum output.
Output of signal generator to antenna input. 27.185MHz,1000Hz @ 30% modulation. Output 1uV. Input of oscilloscope to TP6 (Q23 collector). Inject a 100pps, 1uSec pulse width signal at antenna input.	Ch. 19 AM NB On	L201,L211	Adjust for maximum pulse amplitude. (1.5 Volts peak typical). See Figure 2.

ROBYN MODEL SB-540D

RECEIVER ADJUSTMENTS

Connect an AC VTVM or AF wattmeter across speaker voice coil.
Adjust volume control to obtain a suitable indication.
Preset controls as follows, unless otherwise noted: RF Gain Maximum,Clarifier Midrange, Squelch MINIMUM,NB Off,Tone High.

TEST EQUIPMENT	TRANSCEIVER	ADJUST	REMARKS
Output of signal generator to antenna input. 27.185MHz,1000Hz @ 30% modulation. Output 1000uV.	Ch. 19 AM Squelch Maximum	VR171	SQUELCH RANGE Adjust so that squelch just breaks.
Output of signal generator to antenna input. 27.185MHz,1000Hz @ 30% modulation. Output 100uV.	Ch. 19 AM	VR151	S METER Adjust for 9 on S scale of meter.

TRANSMITTER ALIGNMENT

Connect a 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
Input of RF wattmeter to antenna input. Inject a two-tone, 10mV audio signal at mic input.	Ch. 19 USB Mic Gain Maximum	L371,L411, L412,L413, L421,L431, L442,L454	Adjust for maximum RF output.
Input of spectrum analyzer or harmonic meter to antenna input.	Ch. 19 AM	L457	Adjust for MINIMUM at 54MHz (2nd harmonic).

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 adjustment of transmitter.
See page 4 for channel frequencies.

TEST EQUIPMENT	TRANSCIVER	ADJUST	REMARKS
Input of RF wattmeter to antenna input. No modulation input.	Ch. 19 USB Mic Gain MINIMUM	VR371	CARRIER BALANCE Adjust for MINIMUM RF output.
Input of RF wattmeter to antenna input. Inject a two-tone, 20mV audio signal at mic input.	Ch. 19 USB Mic Gain Maximum	VR342	SSB MIC GAIN Adjust for 11 to 12 watts PEP.
Input of RF wattmeter to antenna input. Inject a two-tone, 200mV audio signal at mic input.	Ch. 19 USB Mic Gain Maximum	VR312	SSB ALC Adjust for 12 watts PEP RF output maximum.
Input of oscilloscope or mod meter to antenna input. Inject a 1000Hz, 20mV audio signal at mic input.	Ch. 19 AM Mic Gain Maximum	VR341	AM MIC GAIN Adjust for 90-95% modulation. See Figure 3.
Input of oscilloscope or mod meter to antenna input. Inject a 1000Hz, 200mV audio signal at mic input.	Ch. 19 AM Mic Gain Maximum	VR311	AM ALC Adjust for 100% modulation maximum. See Figure 3.
Input of RF wattmeter to antenna input.	Ch. 19 AM Mic Gain MINIMUM	VR531	AM POWER Adjust for 4.0 watts RF output maximum.
Input of RF wattmeter to antenna input.	Ch. 19 AM Mic Gain MINIMUM	VR481	RF POWER METER At 4.0 watts RF output adjust so that meter rests at leading edge of red area on RF POWER scale of meter.

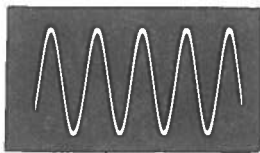


FIGURE 1

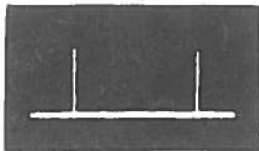


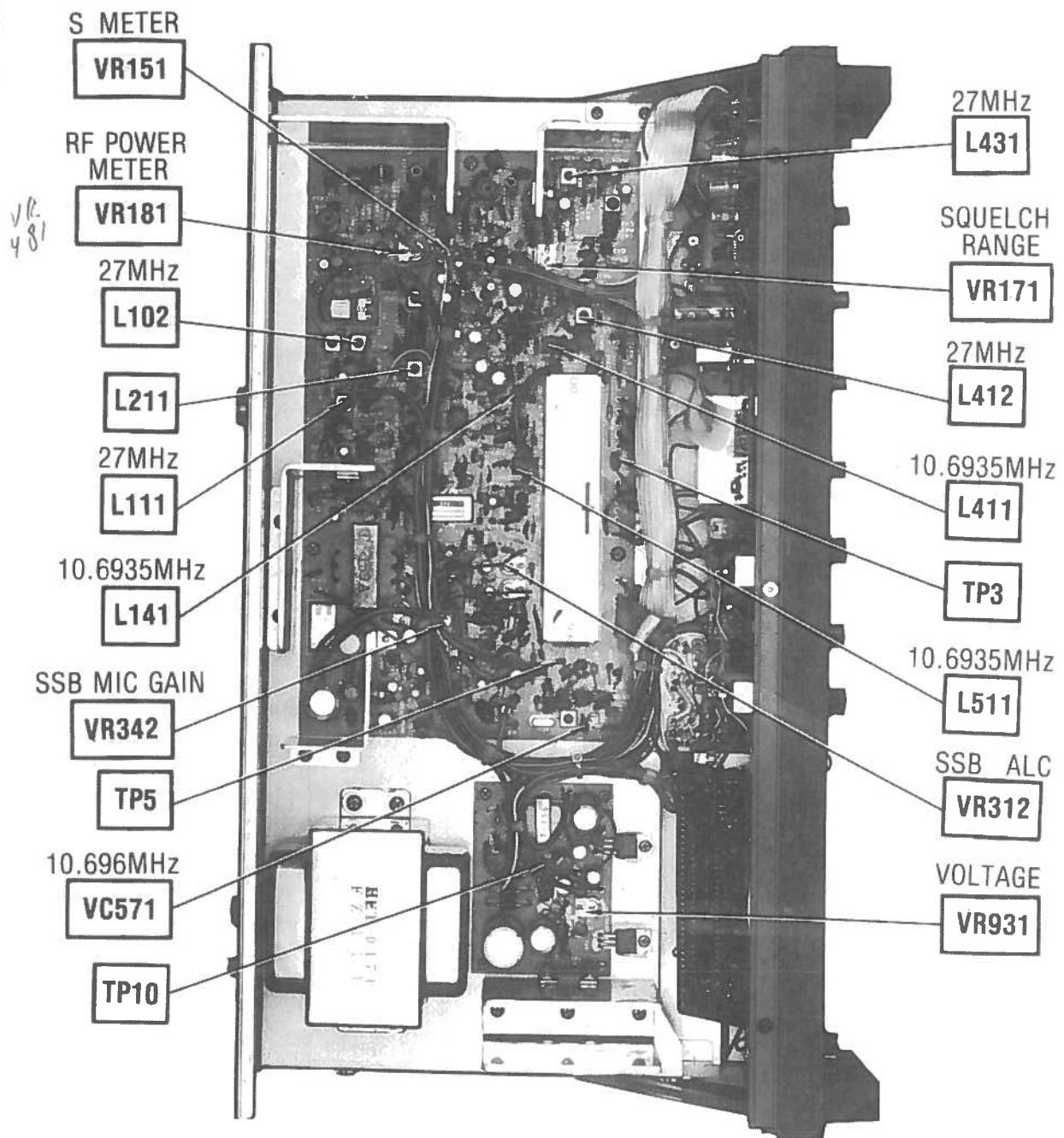
FIGURE 2



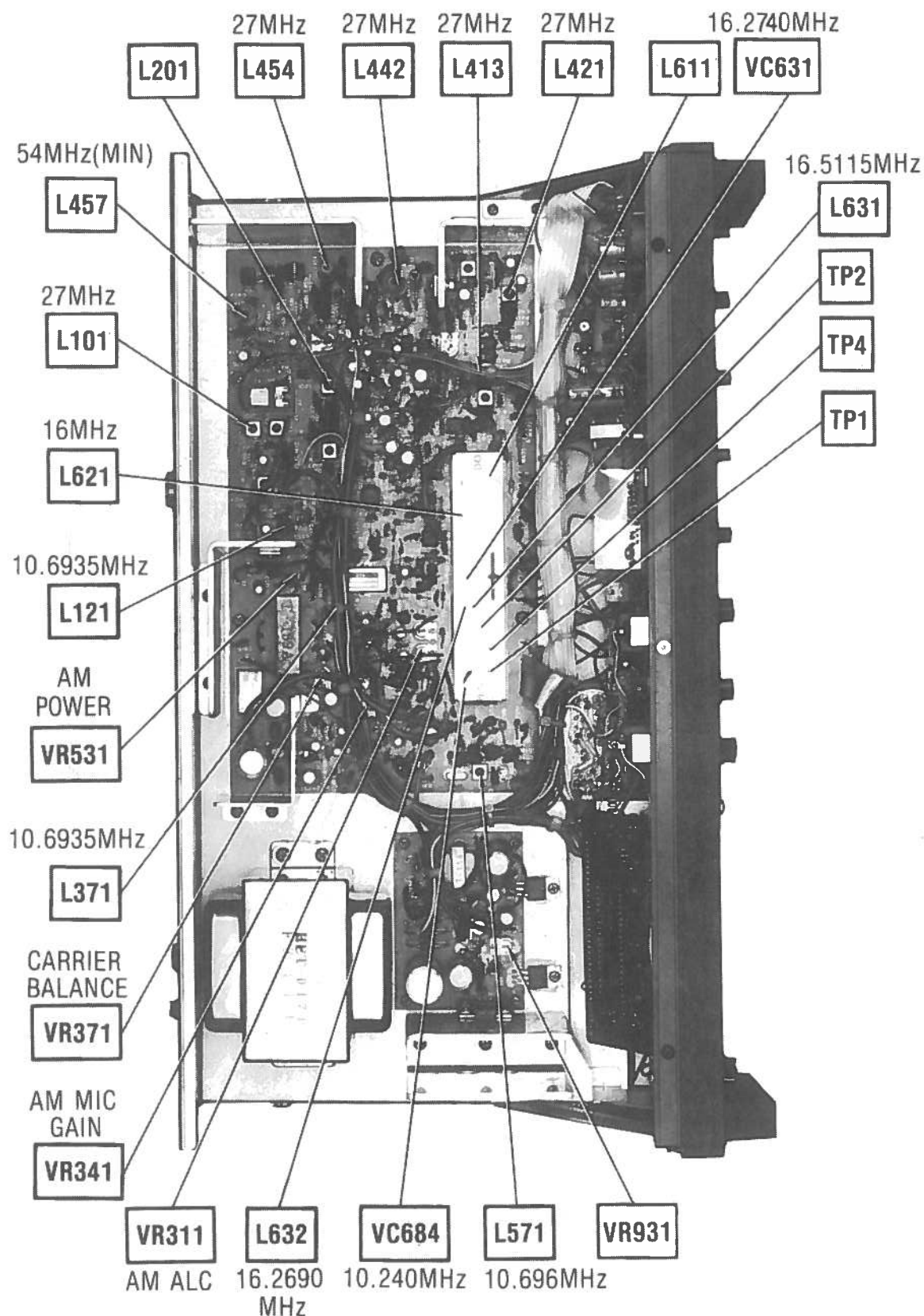
FIGURE 3

TRUTH CHART

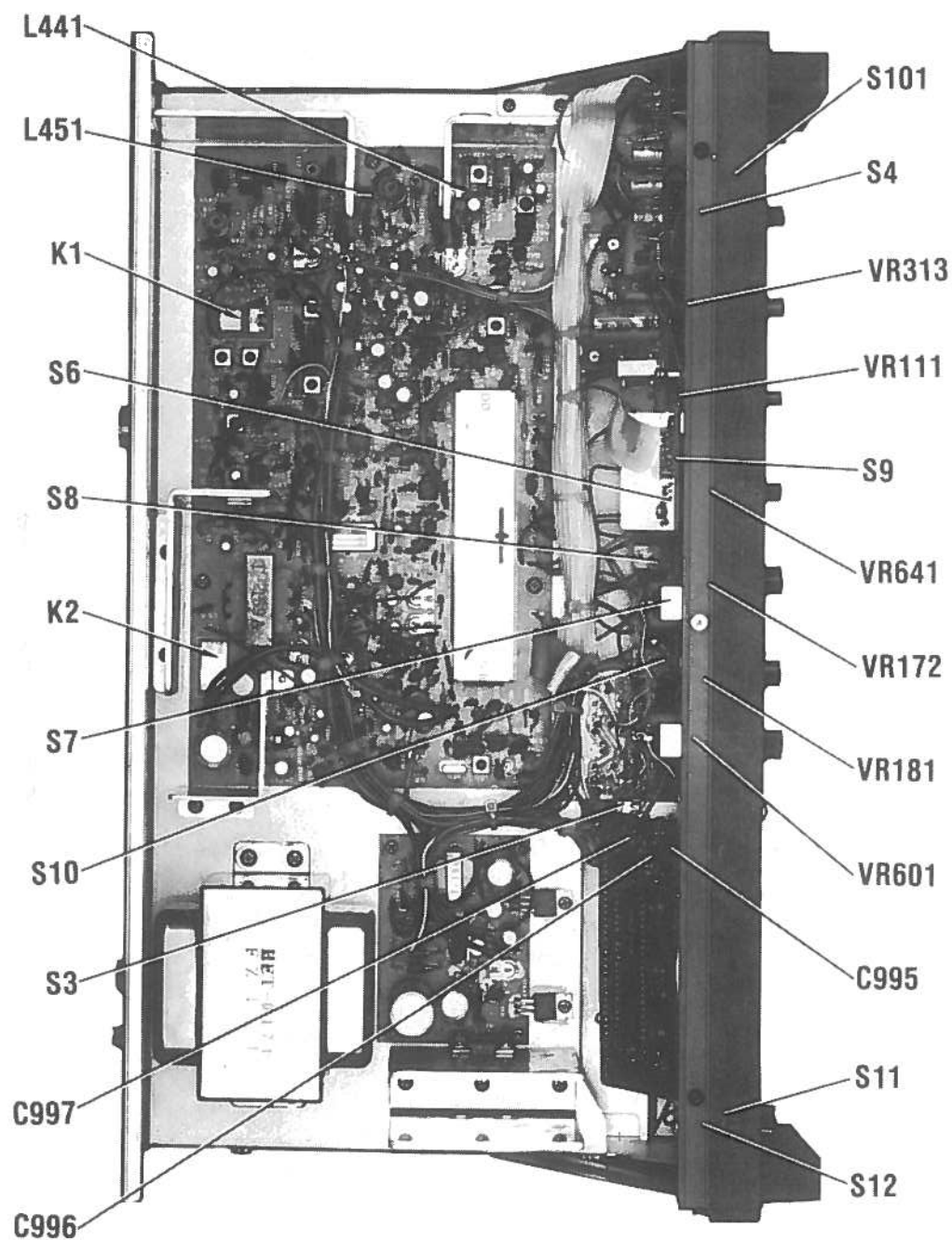
C H A N N E L	1 = 6.15 Volts 0 = 0 Volts							DIVIDER INPUT IN MHz AT TP4	AM Rec VCO OUTPUT IN MHz AT TP3	USB Rec VCO OUTPUT IN MHz AT TP3	LSB Rec AM XMT VCO OUTPUT IN MHz AT TP3
	CHANNEL INPUT CODES										
	Q68			PINS							
	6	5	4	3	2	1					
1	0	0	0	0	0	1		.910	16.2715	16.2740	16.2690
2	0	0	0	0	1	0		.920	16.2815	16.2840	16.2790
3	0	0	0	0	1	1		.930	16.2915	16.2940	16.2890
4	0	0	0	1	0	0		.950	16.3115	16.3140	16.3090
5	0	0	0	1	0	1		.960	16.3215	16.3240	16.3190
6	0	0	0	1	1	0		.970	16.3315	16.3340	16.3290
7	0	0	0	1	1	1		.980	16.3415	16.3440	16.3390
8	0	0	1	0	0	0		1.000	16.3615	16.3640	16.3590
9	0	0	1	0	0	1		1.010	16.3715	16.3740	16.3690
10	0	1	0	0	0	0		1.020	16.3815	16.3840	16.3790
11	0	1	0	0	0	1		1.030	16.3915	16.3940	16.3890
12	0	1	0	0	1	0		1.050	16.4115	16.4140	16.4090
13	0	1	0	0	1	1		1.060	16.4215	16.4240	16.4190
14	0	1	0	1	0	0		1.070	16.4315	16.4340	16.4290
15	0	1	0	1	0	1		1.080	16.4415	16.4440	16.4390
16	0	1	0	1	1	0		1.100	16.4615	16.4640	16.4590
17	0	1	0	1	1	1		1.110	16.4715	16.4740	16.4690
18	0	1	1	0	0	0		1.120	16.4815	16.4840	16.4790
19	0	1	1	0	0	1		1.130	16.4915	16.4940	16.4890
20	1	0	0	0	0	0		1.150	16.5115	16.5140	16.5090
21	1	0	0	0	0	1		1.160	16.5215	16.5240	16.5190
22	1	0	0	0	1	0		1.170	16.5315	16.5340	16.5290
23	1	0	0	0	1	1		1.200	16.5615	16.5640	16.5590
24	1	0	0	1	0	0		1.180	16.5415	16.5440	16.5390
25	1	0	0	1	0	1		1.190	16.5515	16.5540	16.5490
26	1	0	0	1	1	0		1.210	16.5715	16.5740	16.5690
27	1	0	0	1	1	1		1.220	16.5815	16.5840	16.5790
28	1	0	1	0	0	0		1.230	16.5915	16.5940	16.5890
29	1	0	1	0	0	1		1.240	16.6015	16.6040	16.5990
30	1	1	0	0	0	0		1.250	16.6115	16.6140	16.6090
31	1	1	0	0	0	1		1.260	16.6215	16.6240	16.6190
32	1	1	0	0	1	0		1.270	16.6315	16.6340	16.6290
33	1	1	0	0	1	1		1.280	16.6415	16.6440	16.6390
34	1	1	0	1	0	0		1.290	16.6515	16.6540	16.6490
35	1	1	0	1	0	1		1.300	16.6615	16.6640	16.6590
36	1	1	0	1	1	0		1.310	16.6715	16.6740	16.6690
37	1	1	0	1	1	1		1.320	16.6815	16.6840	16.6790
38	1	1	1	0	0	0		1.330	16.6915	16.6940	16.6890
39	1	1	1	0	0	1		1.340	16.7015	16.7040	16.6990
40	0	0	0	0	0	0		1.350	16.7115	16.7140	16.7090



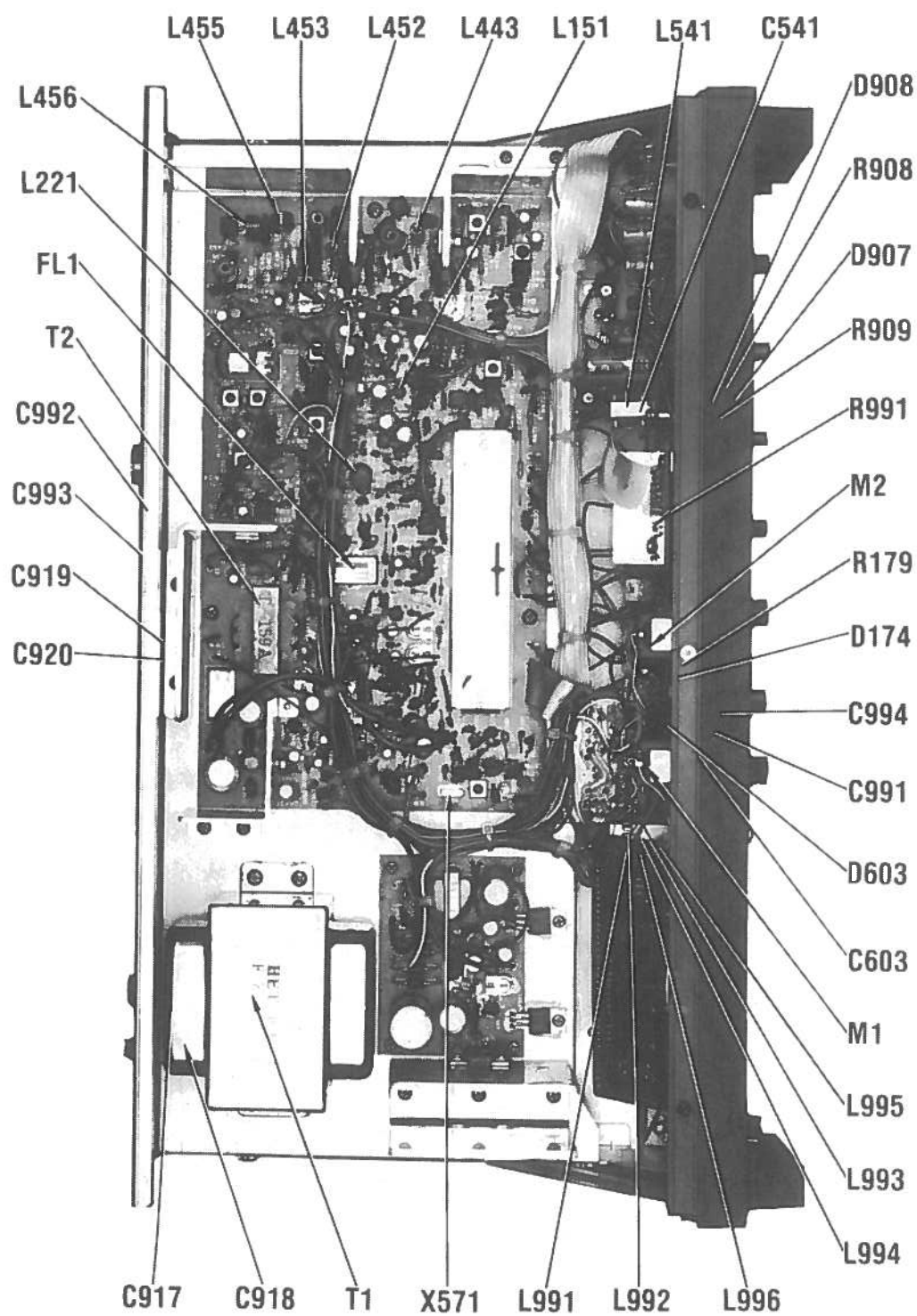
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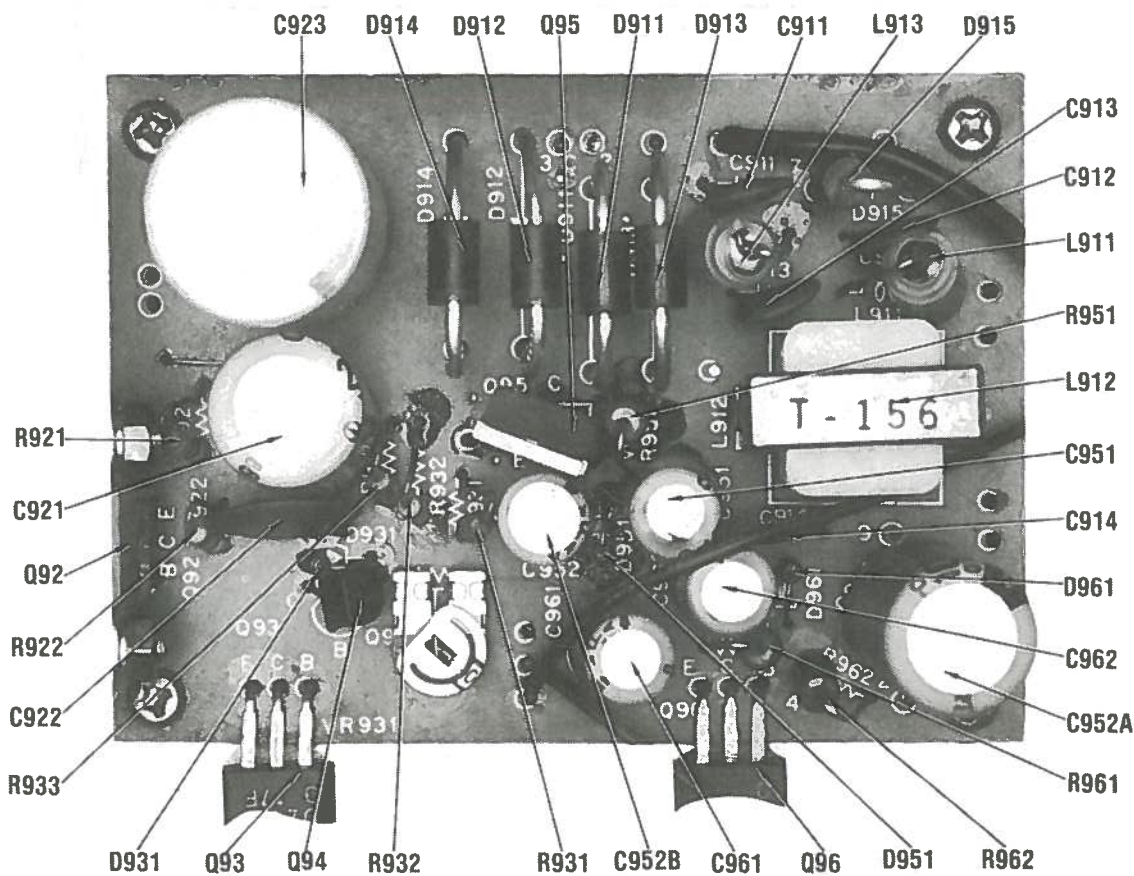
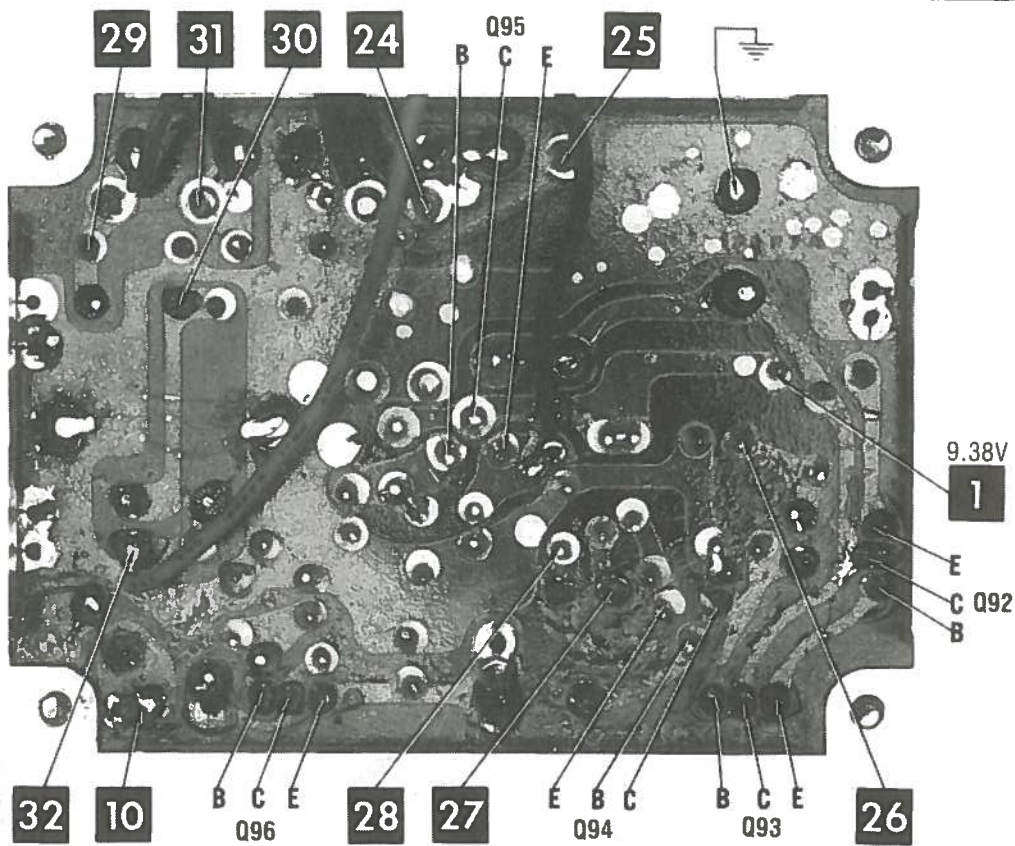
CHASSIS-TOP



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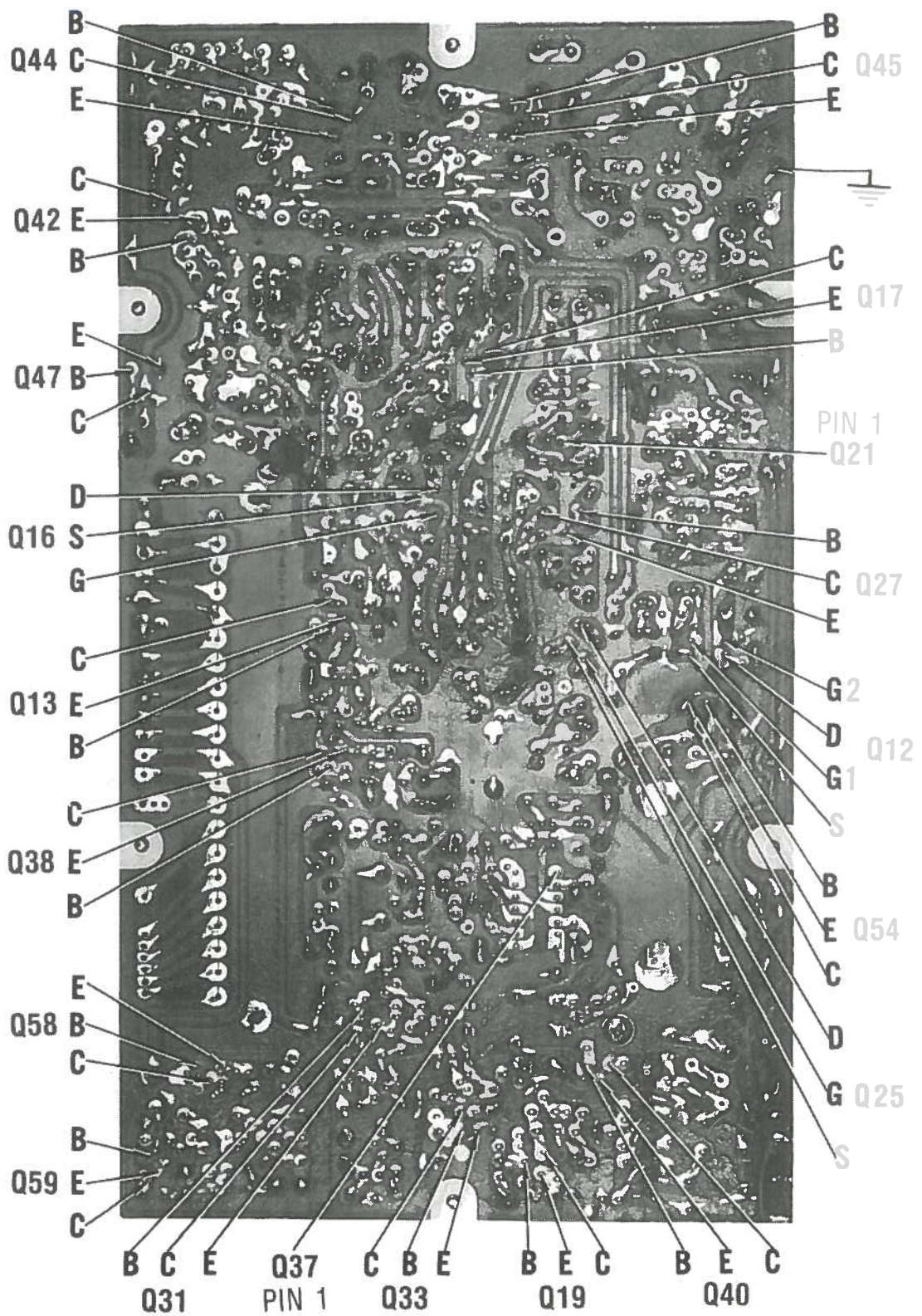


CHASSIS-TOP

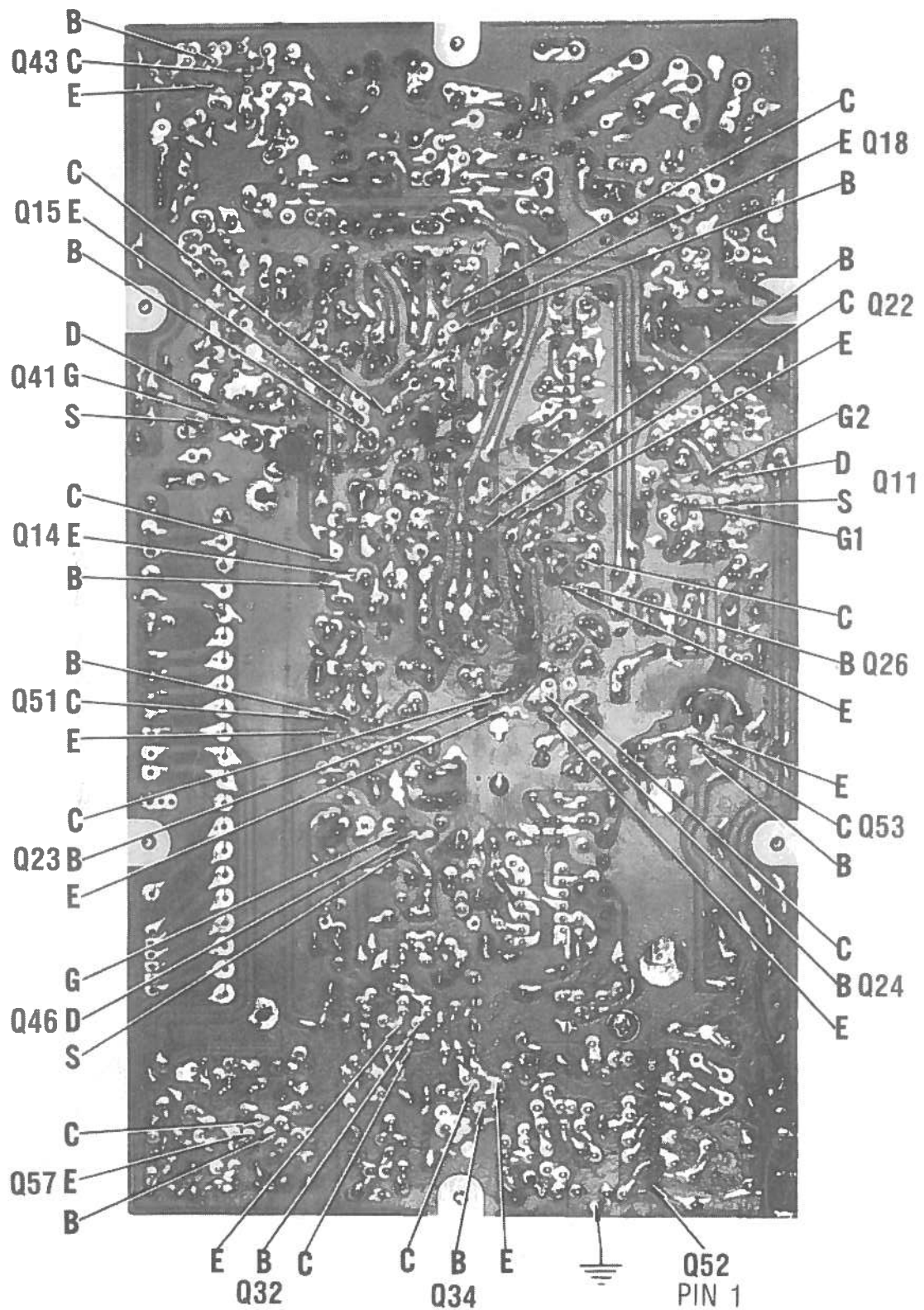


POWER SUPPLY BOARD

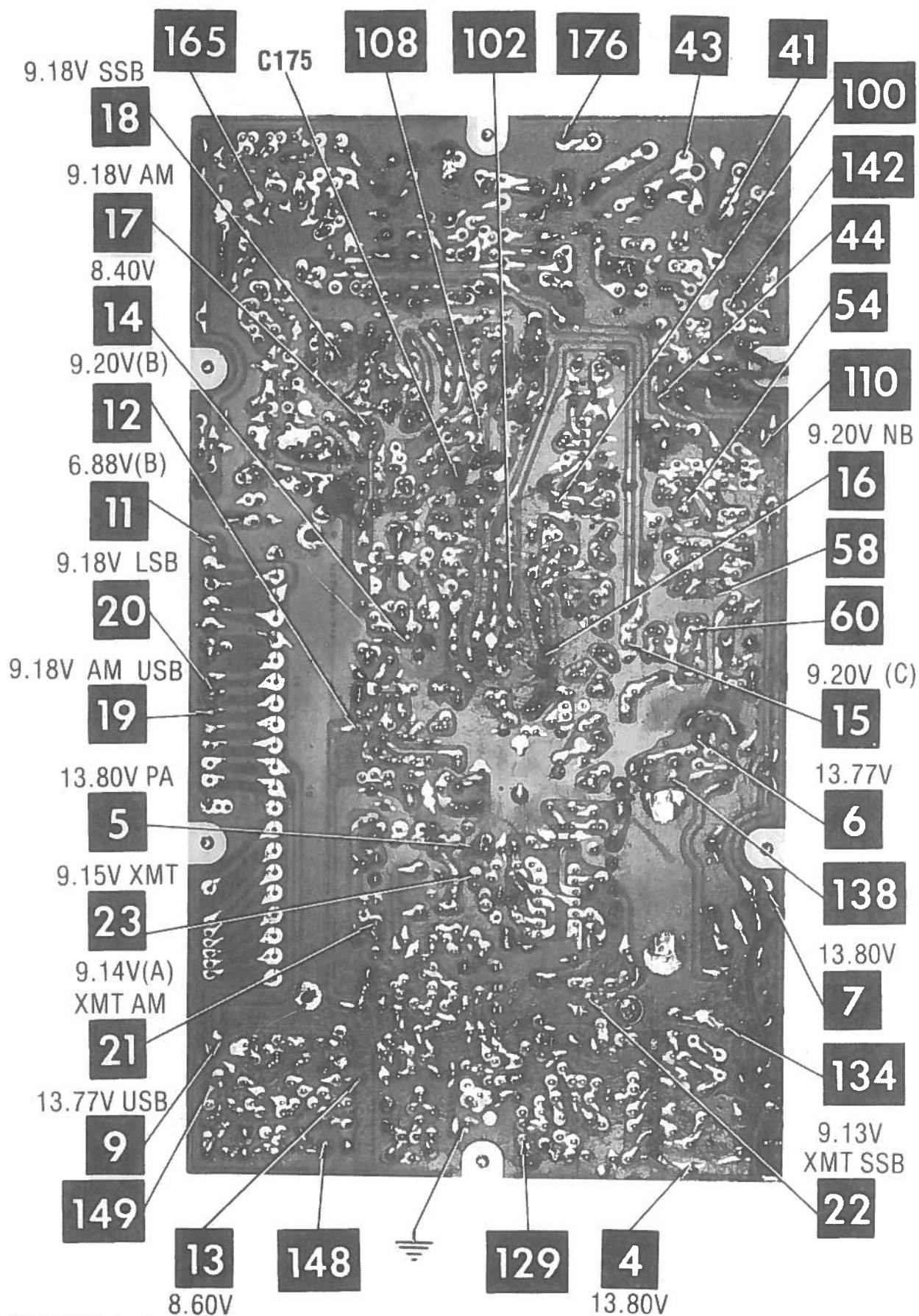
ROBYN MODEL SB-540D



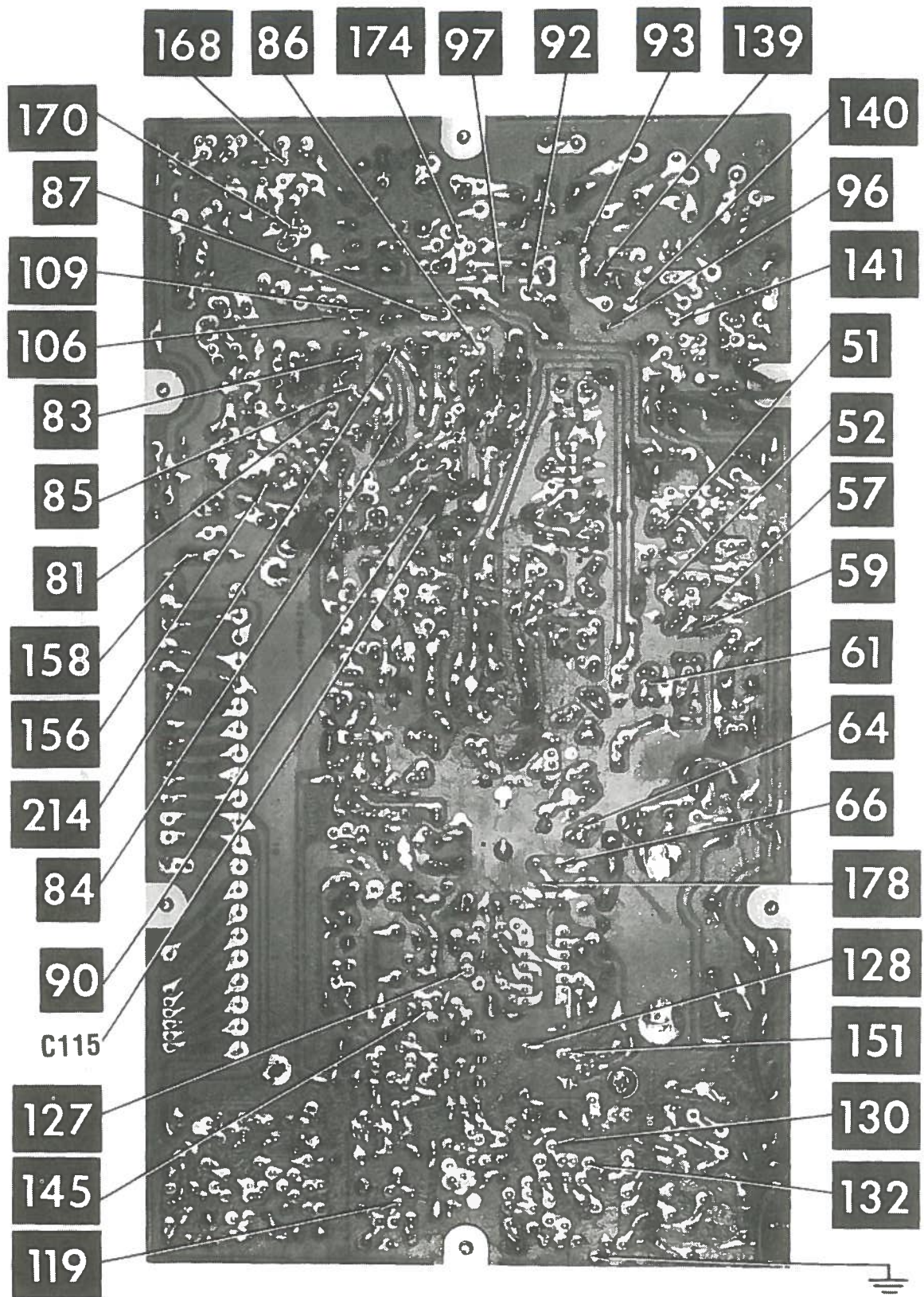
MAIN BOARD



MAIN BOARD

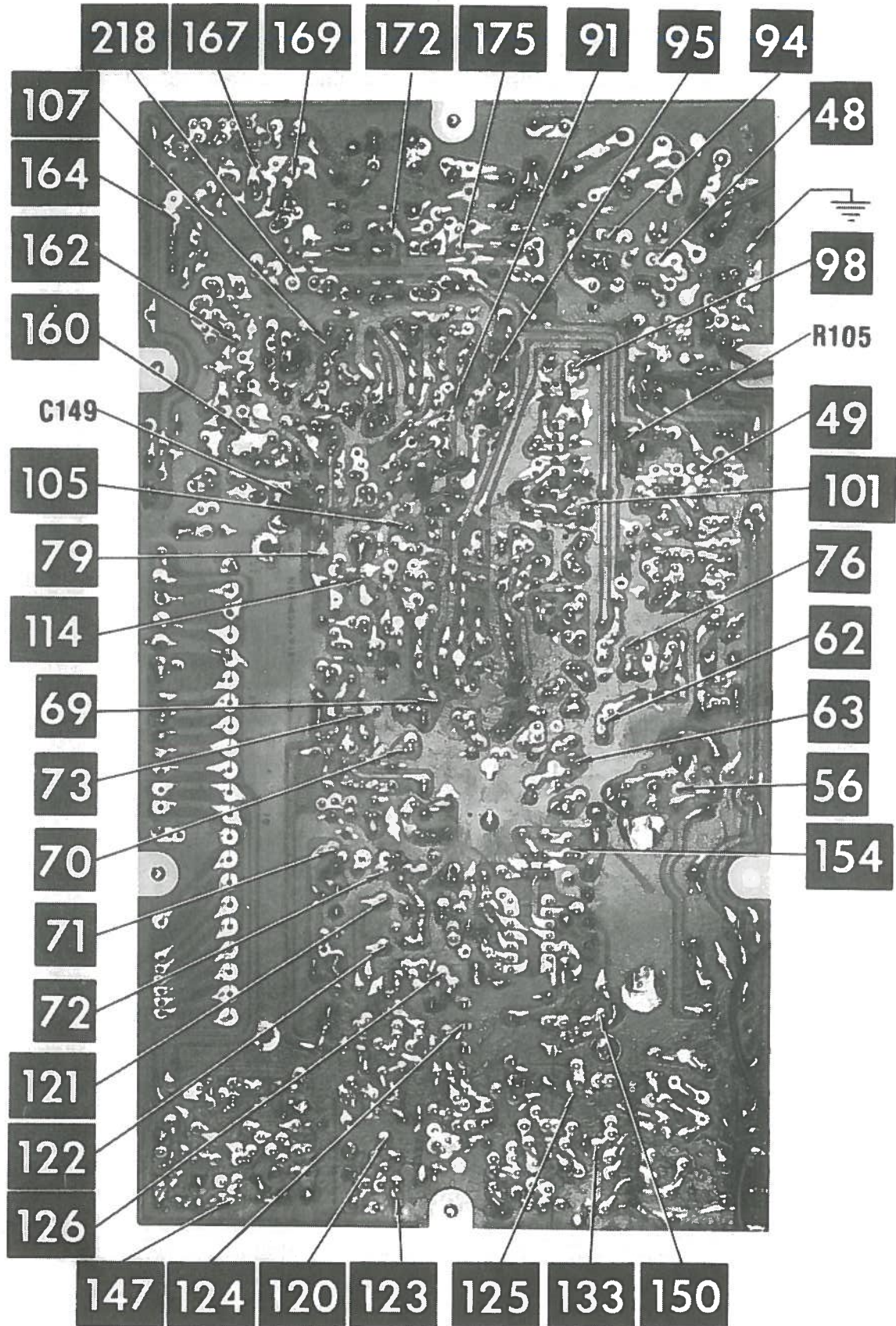


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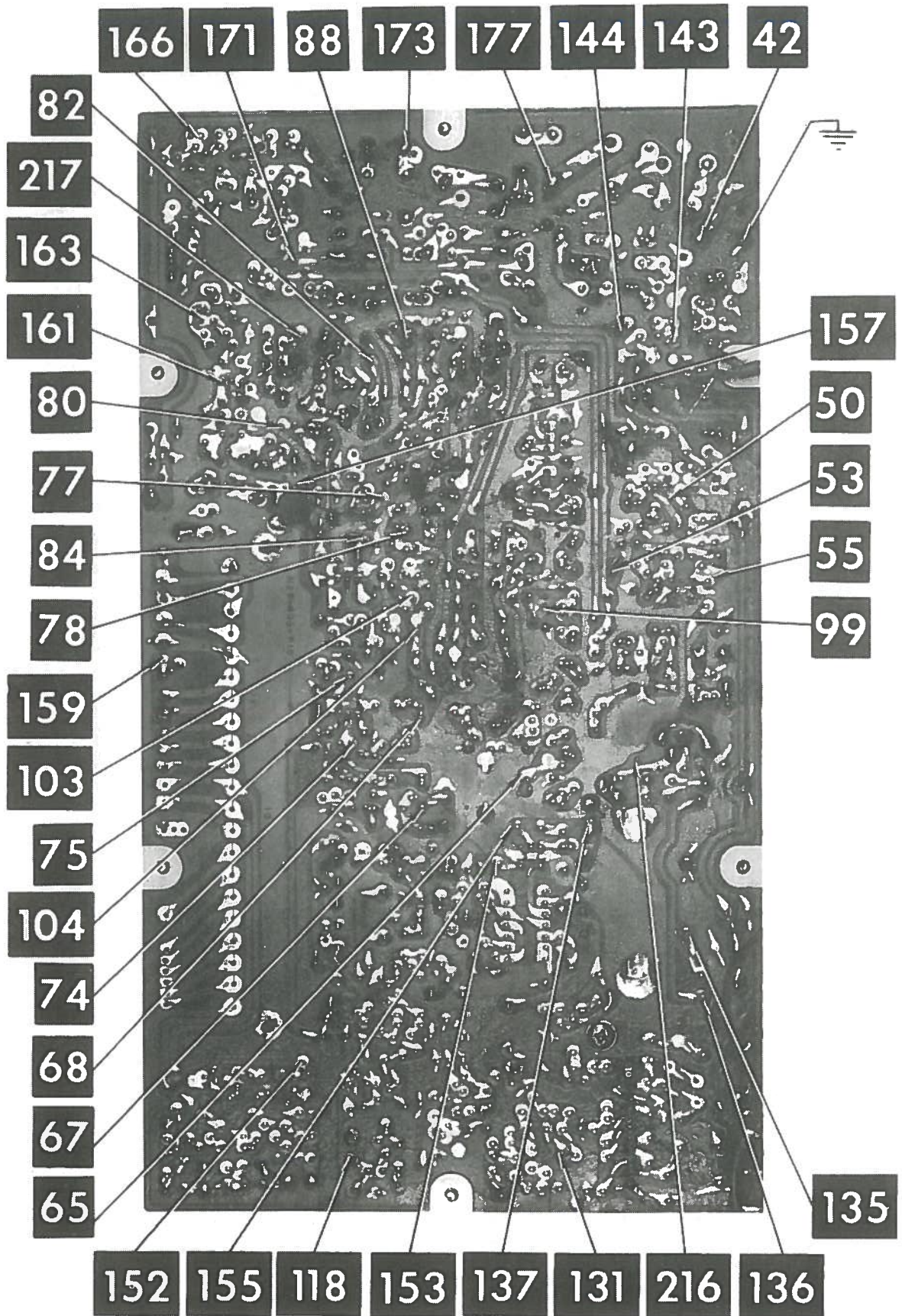


ROBYN MODEL SB-540D

MAIN BOARD



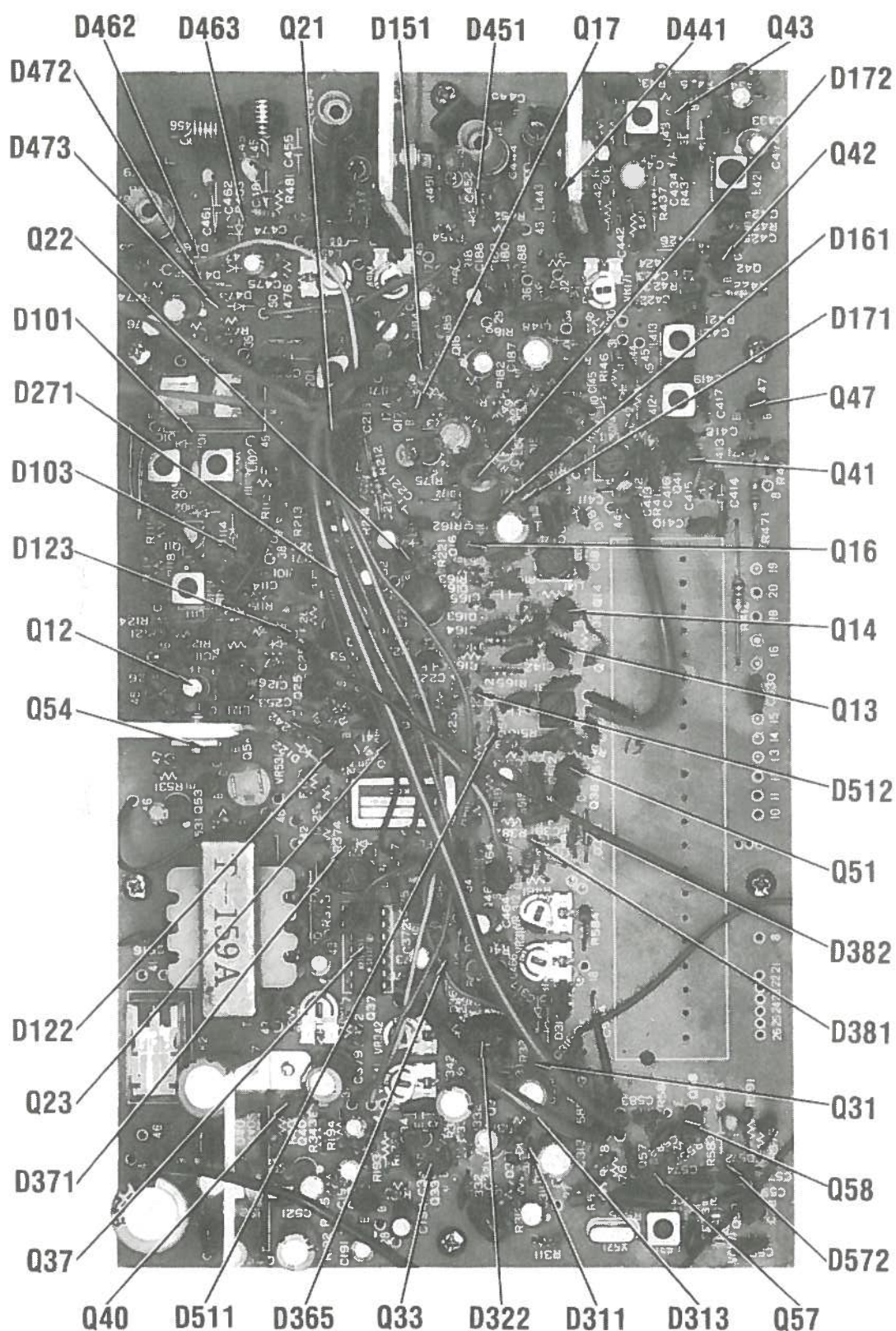
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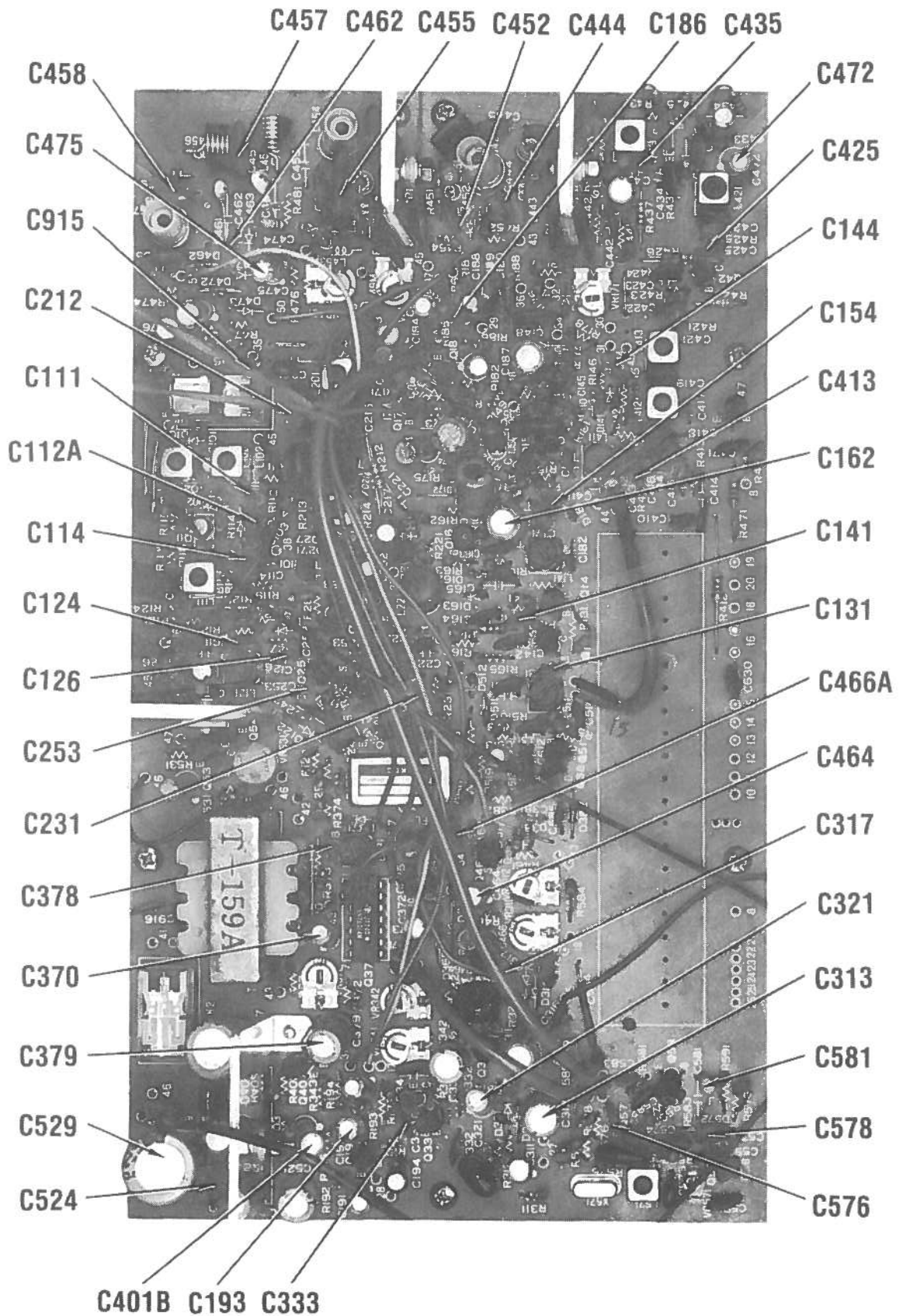
ROBYN MODEL SB-540D

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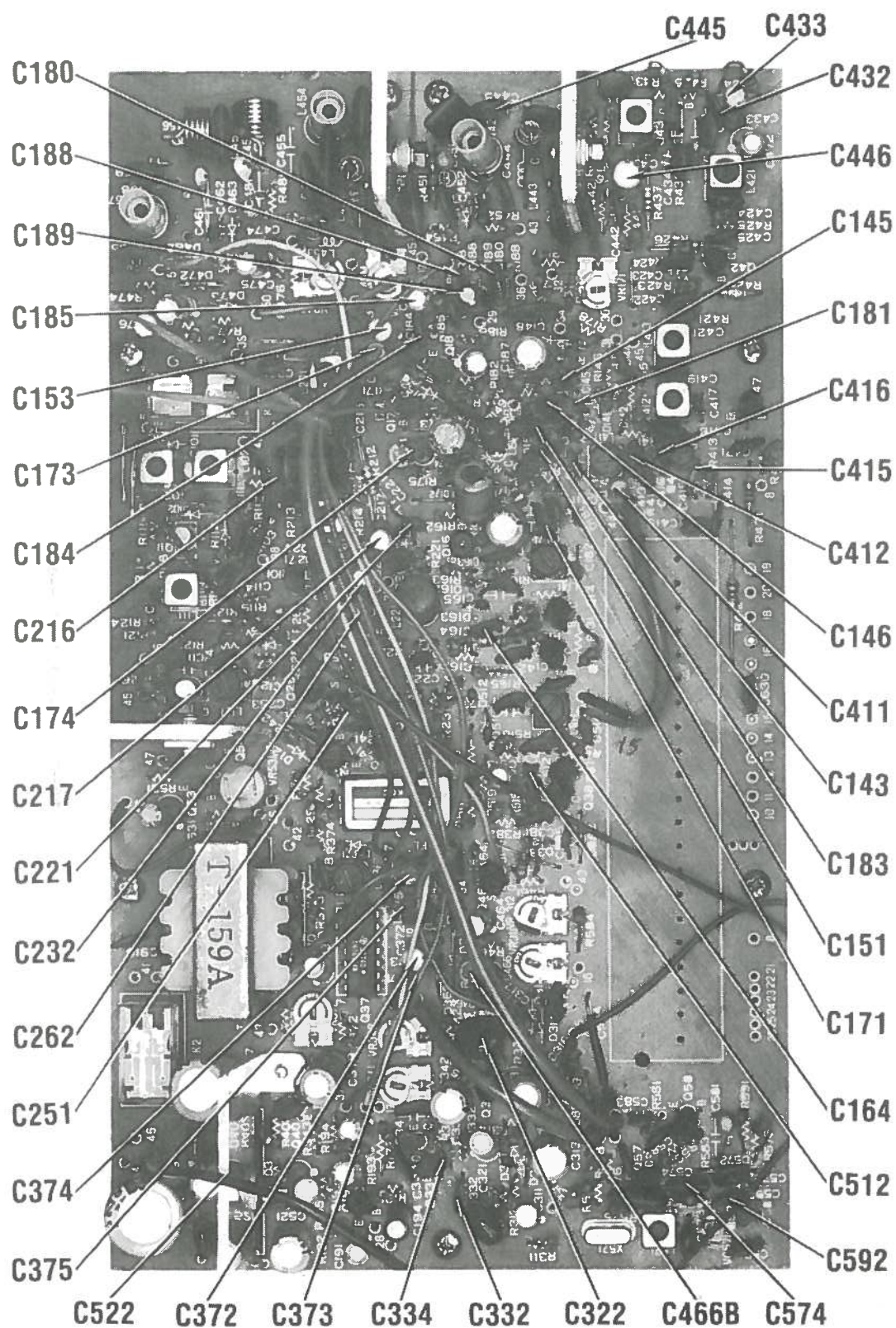




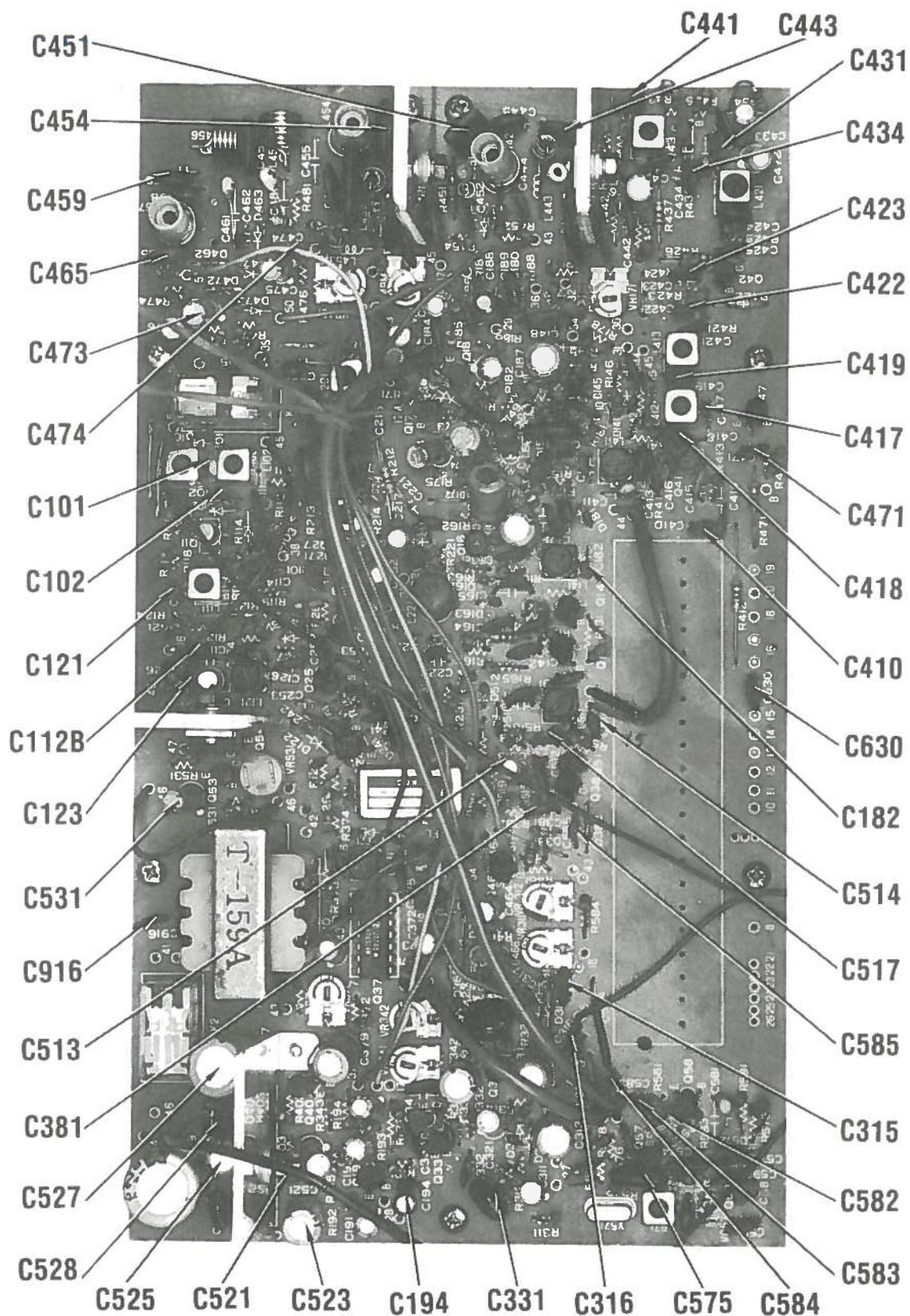
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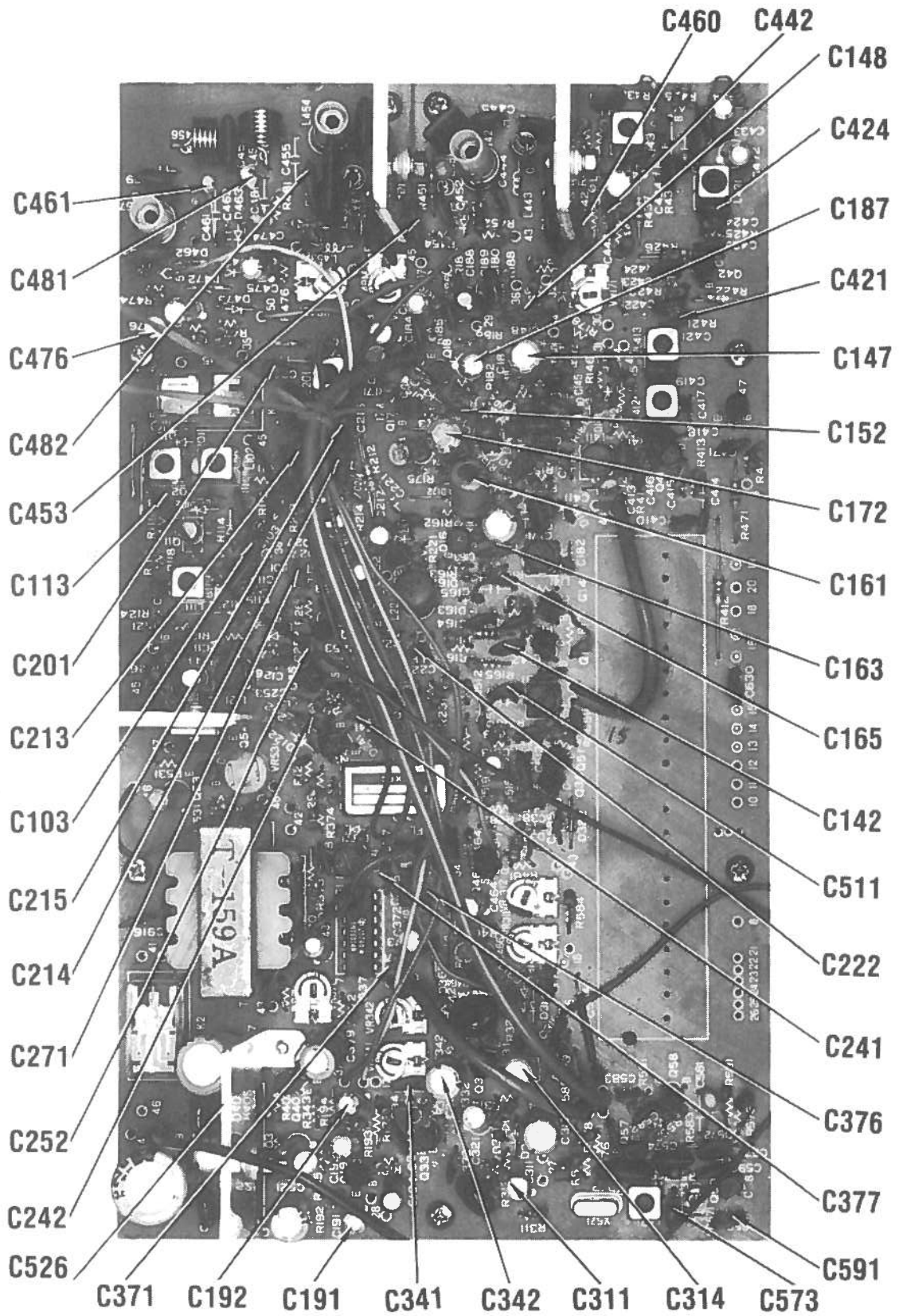
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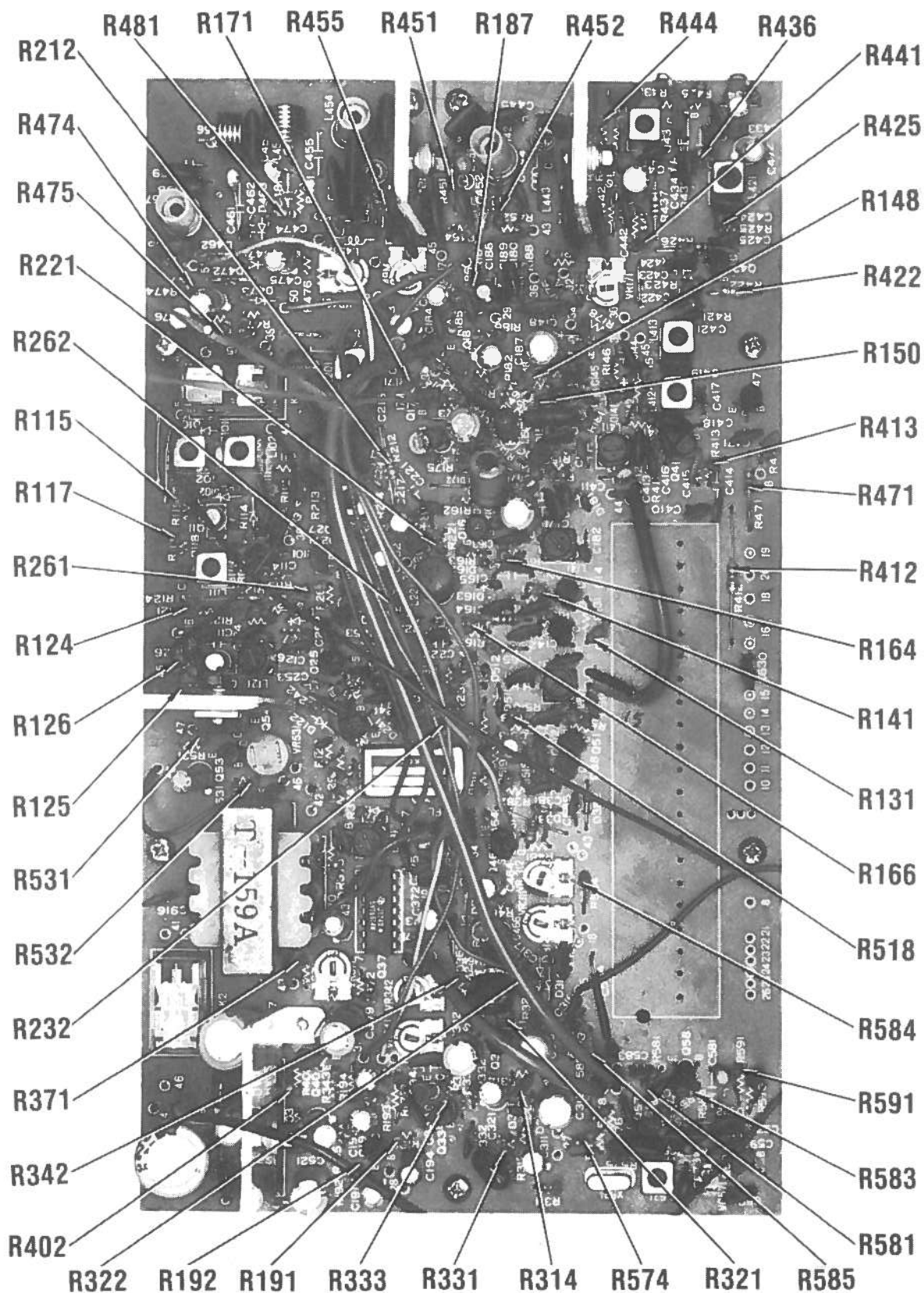
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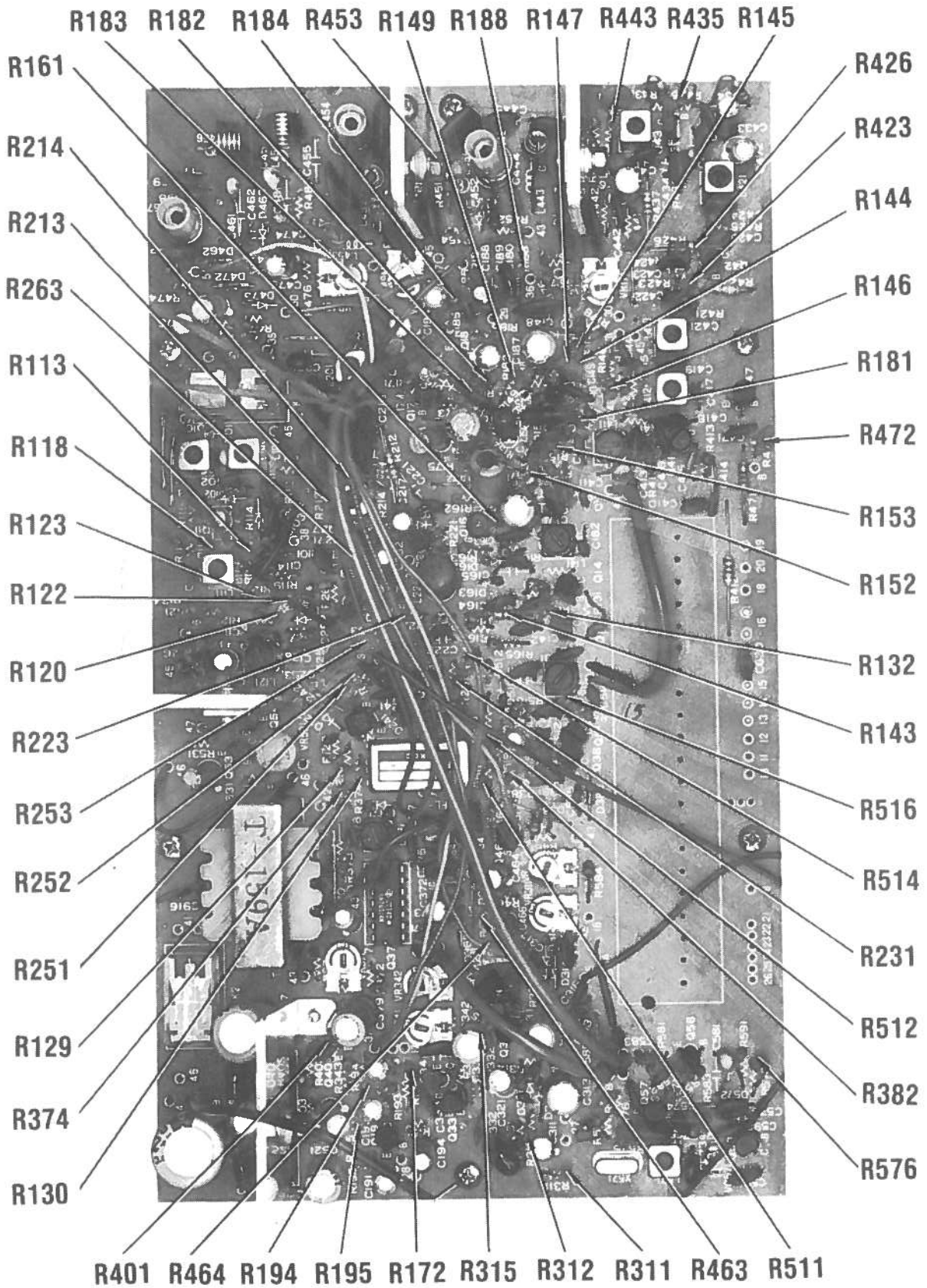


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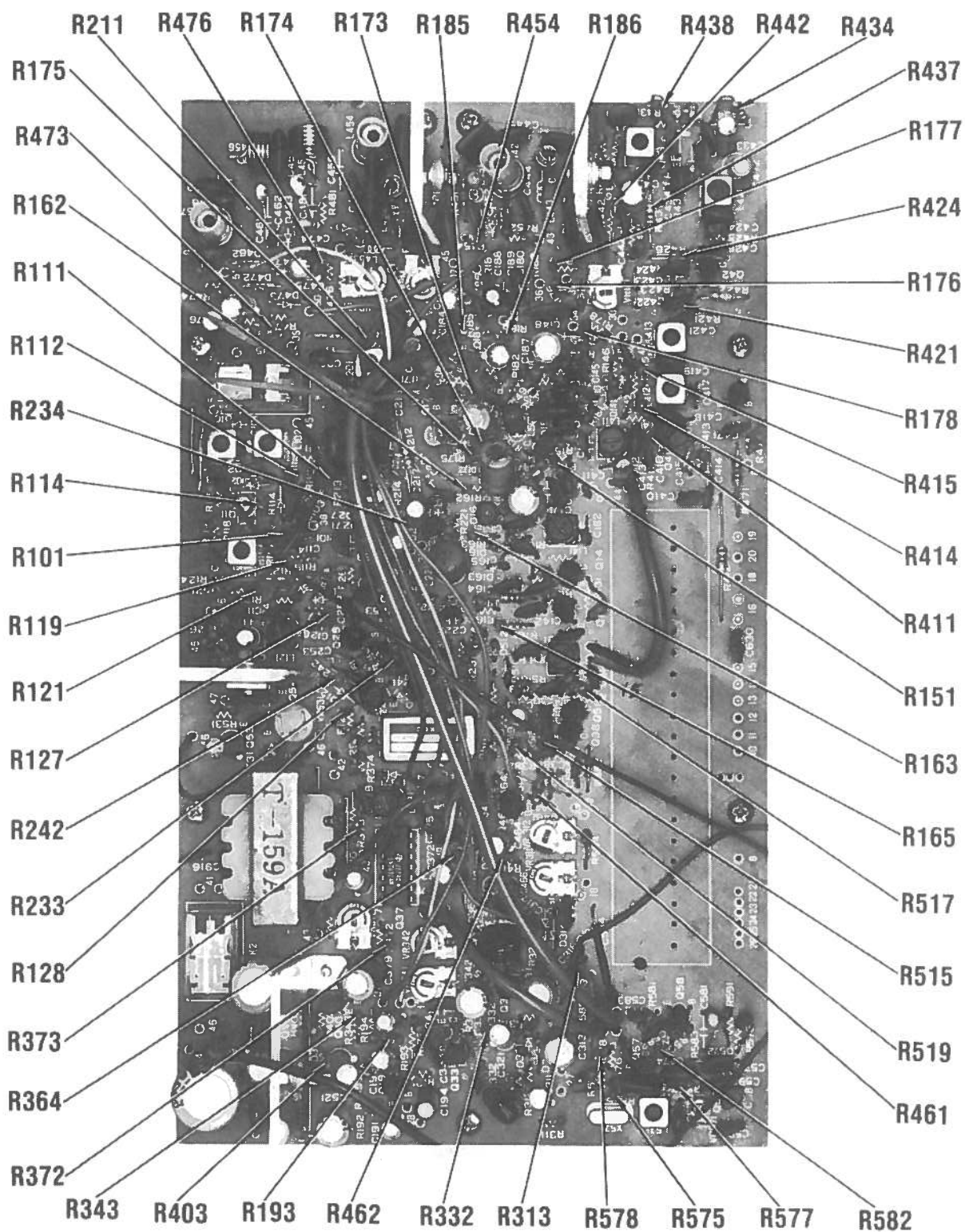


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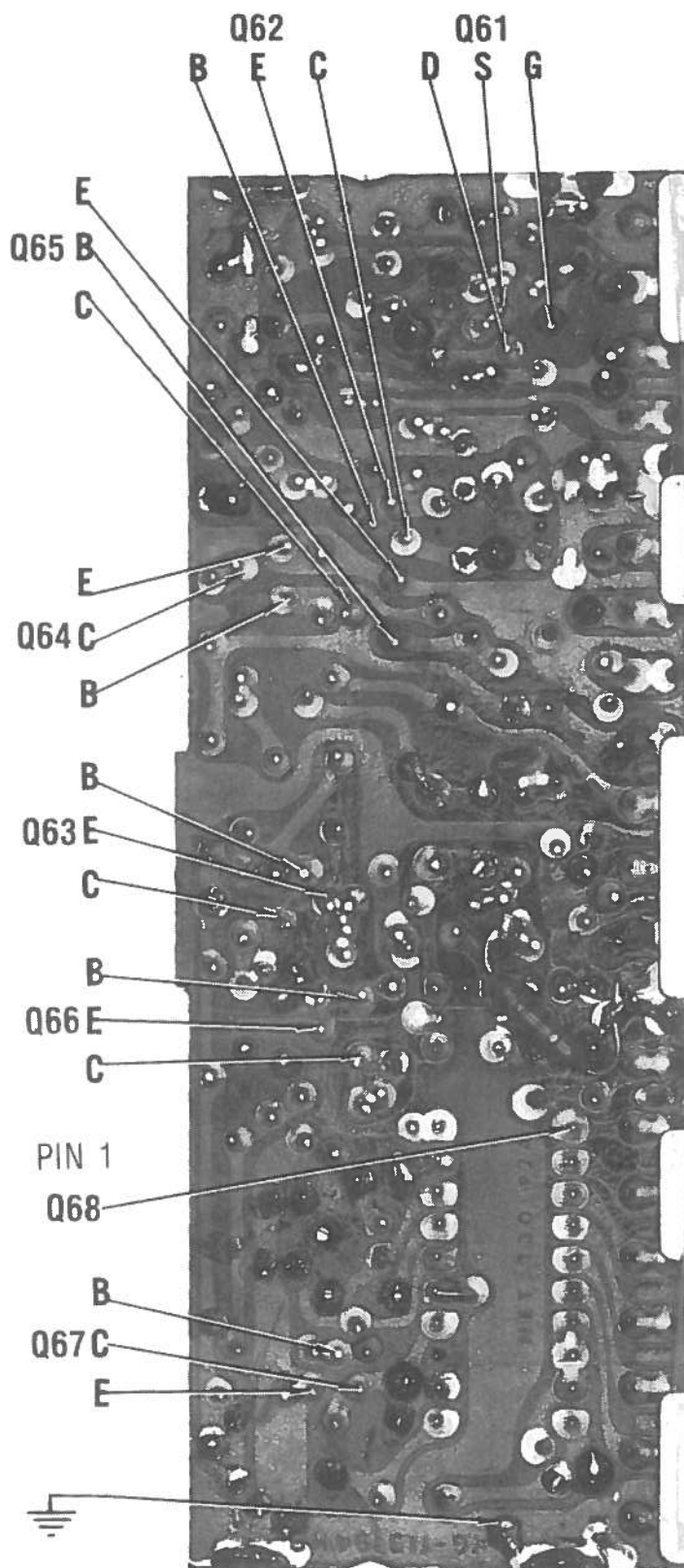




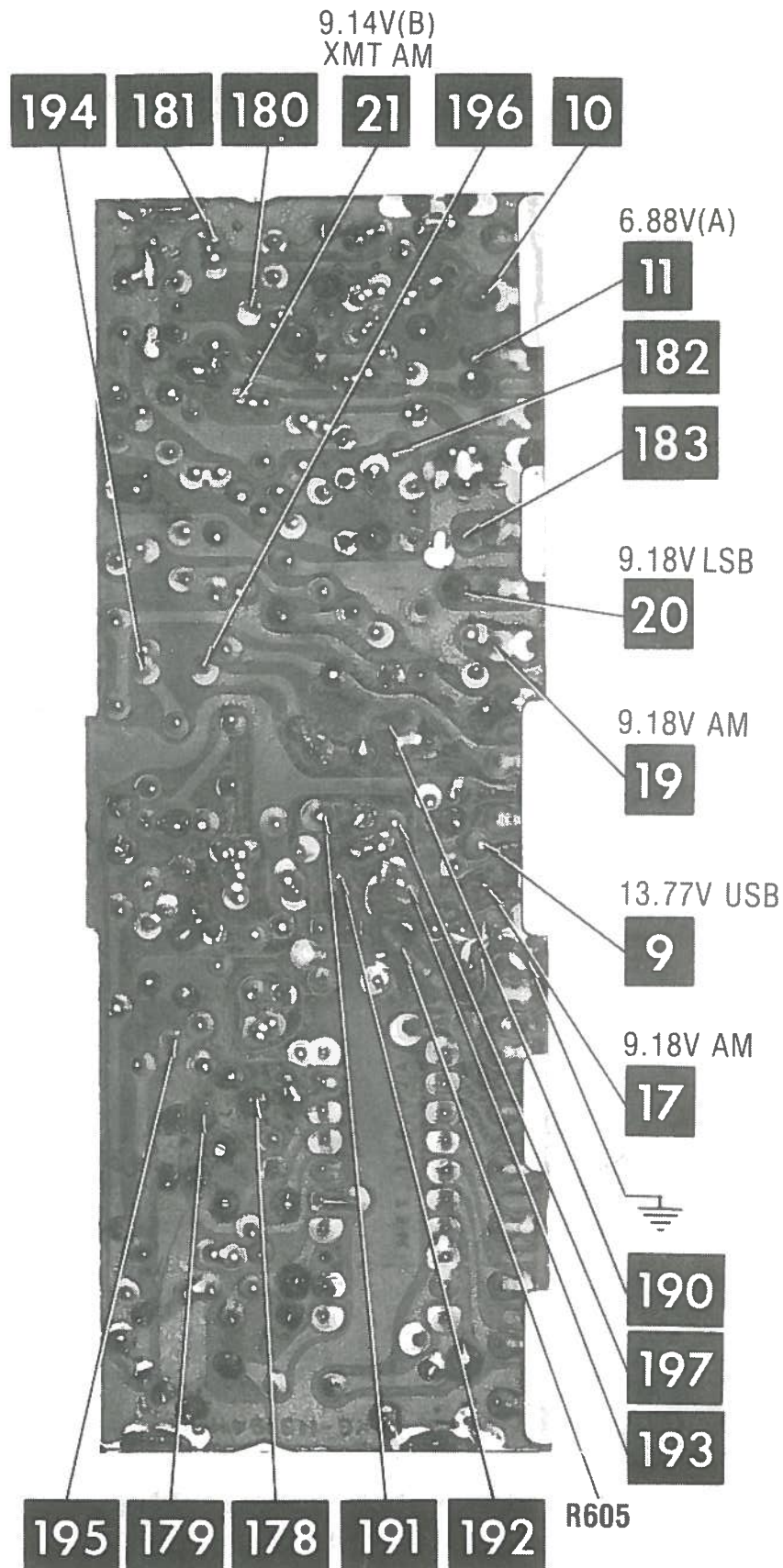
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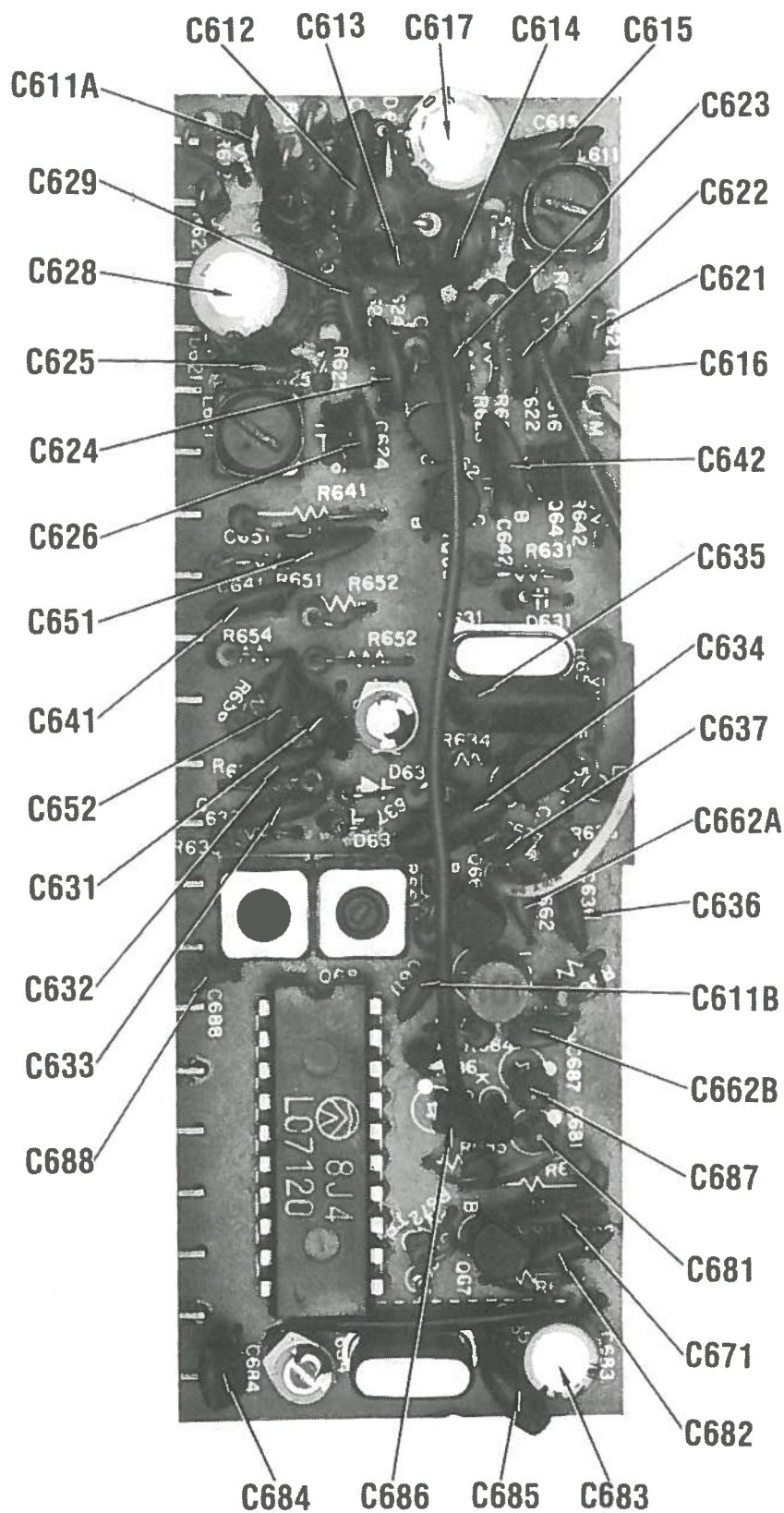
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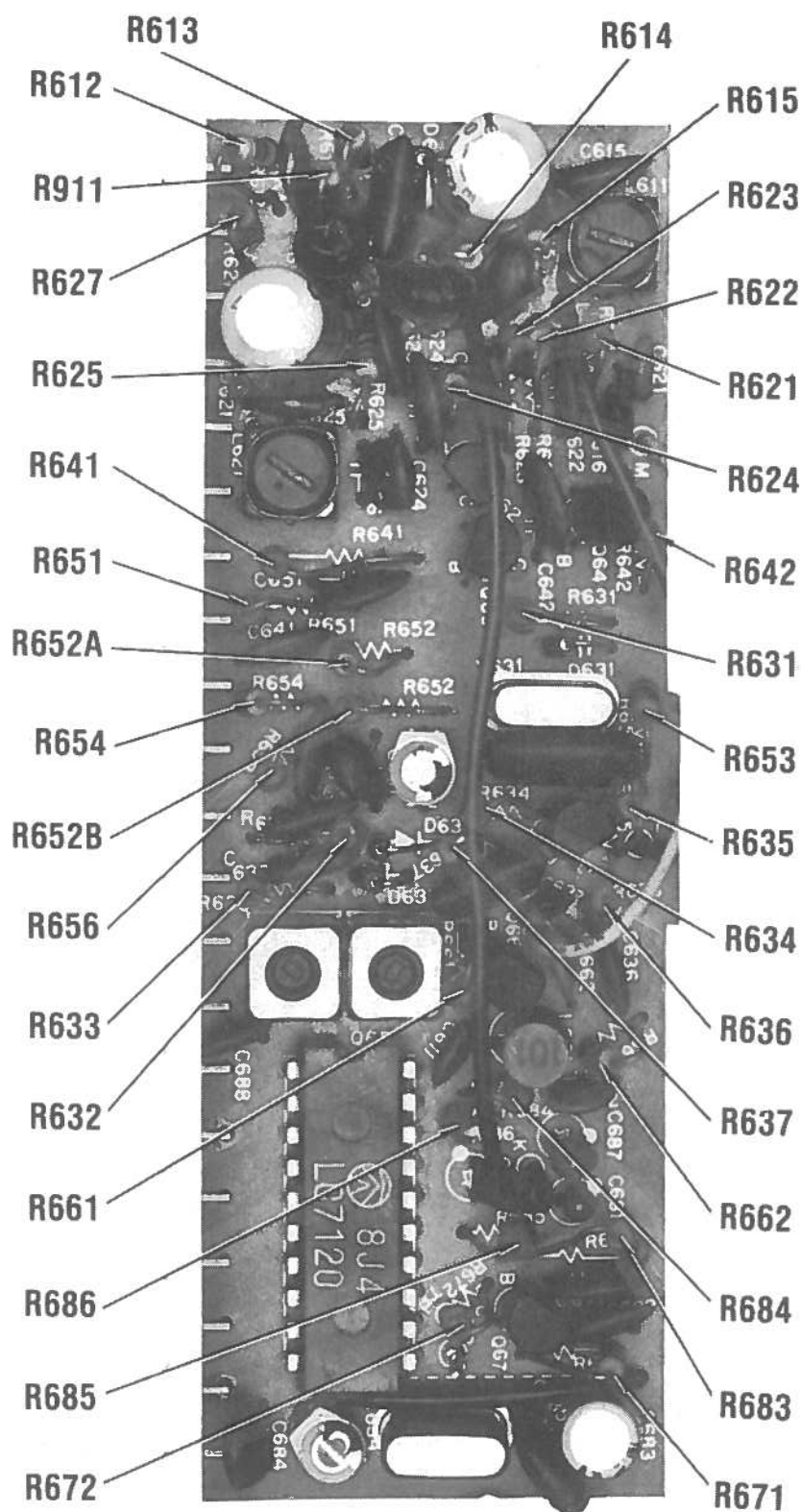
PLL BOARD



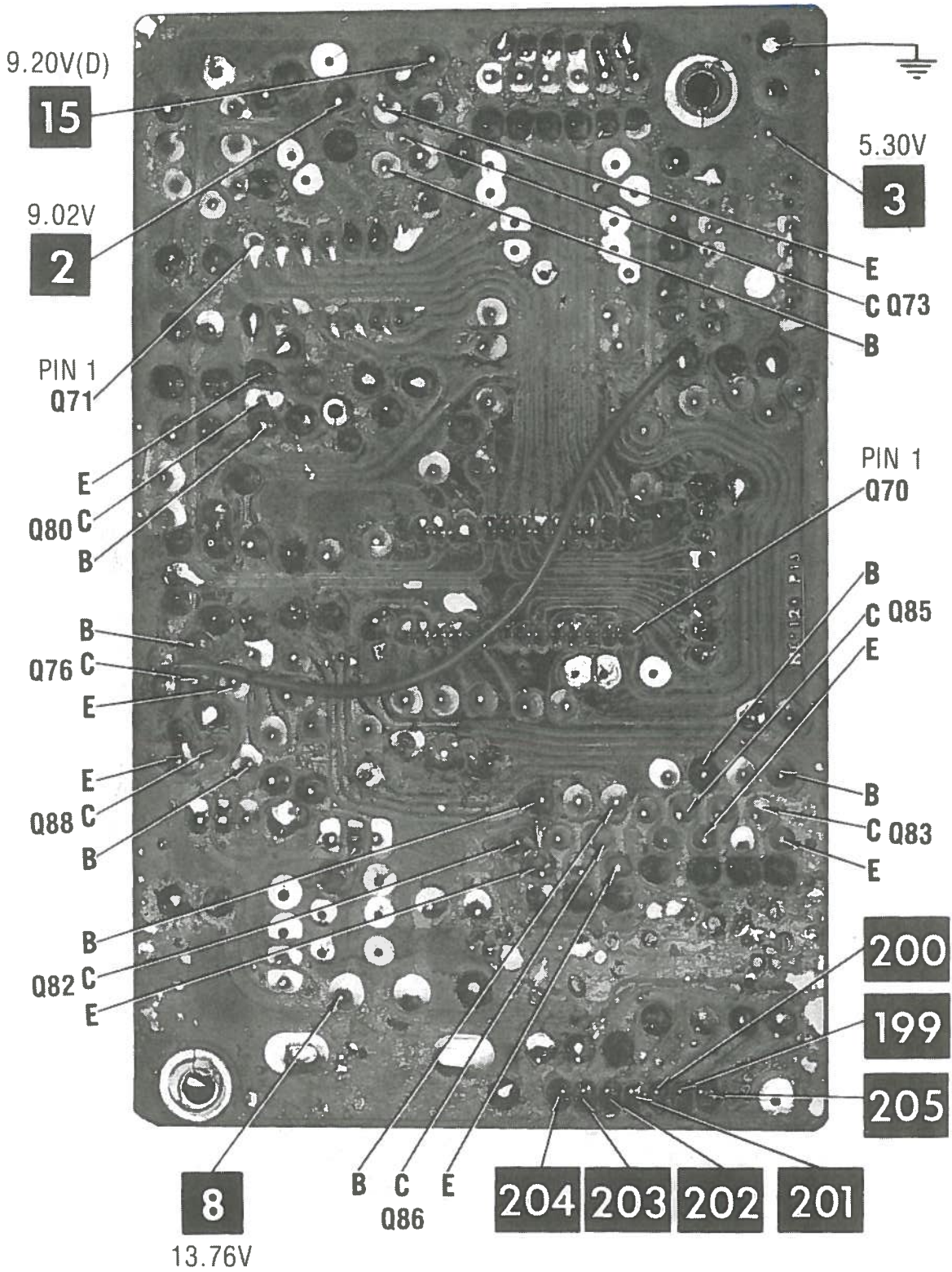
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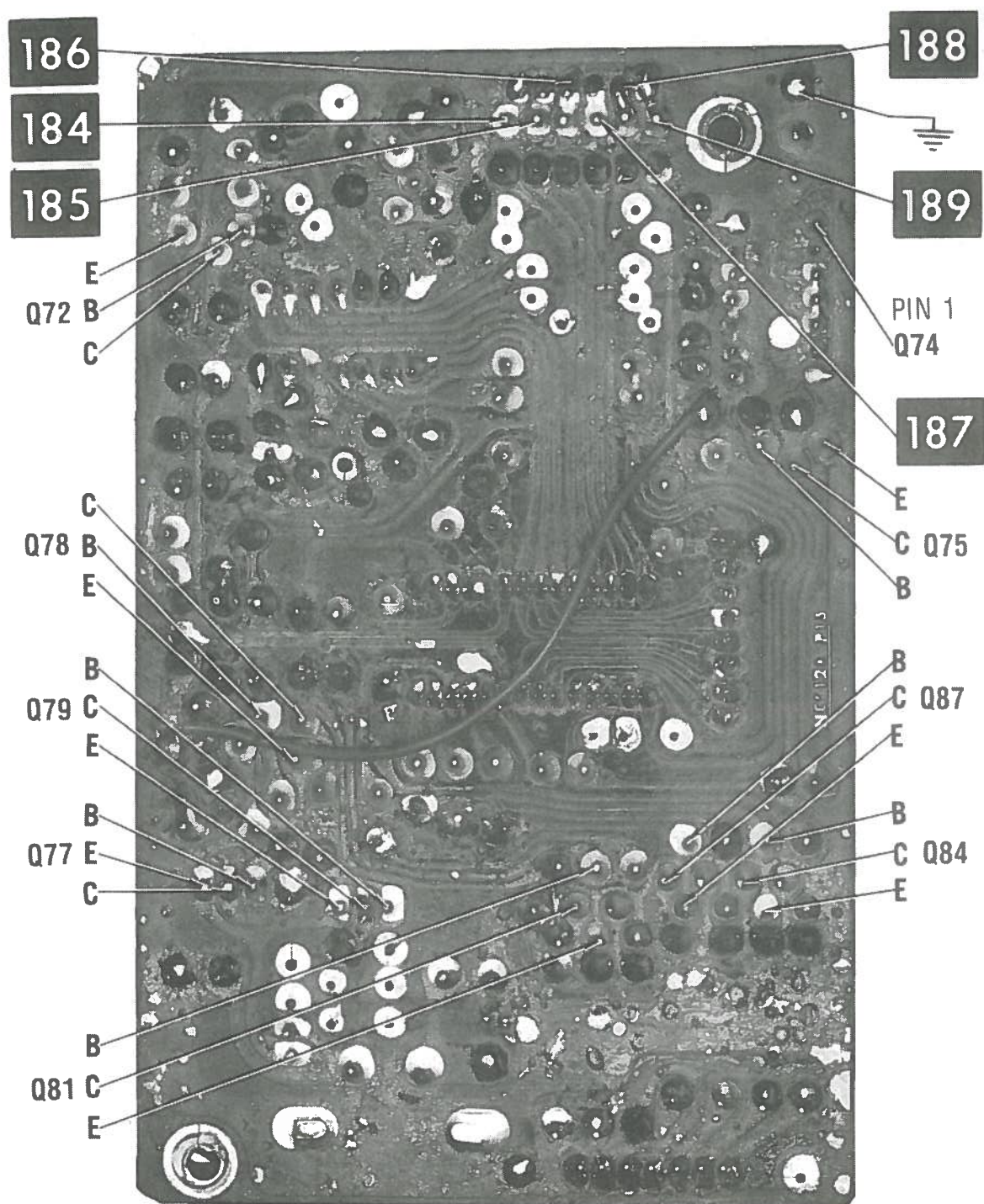
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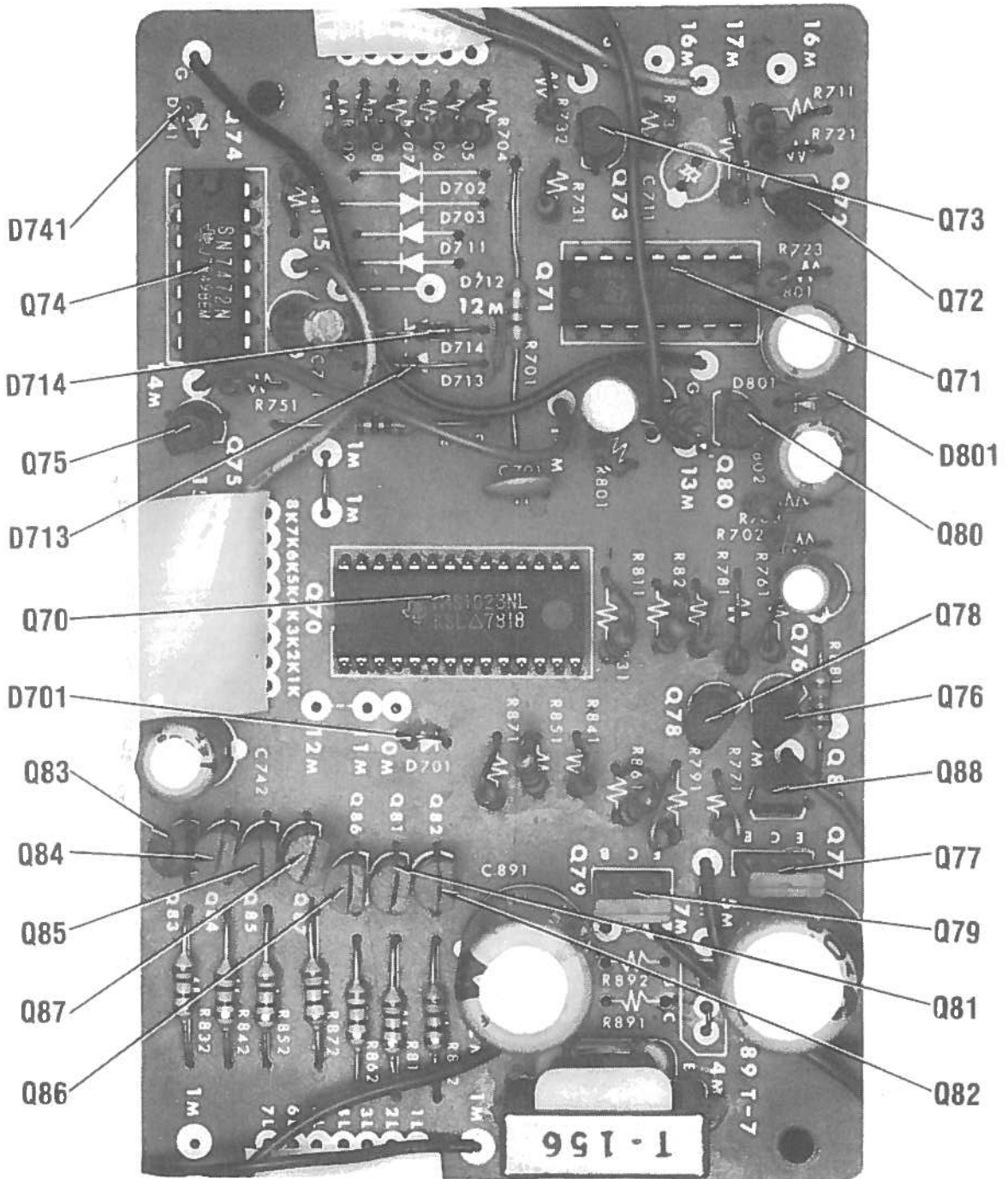
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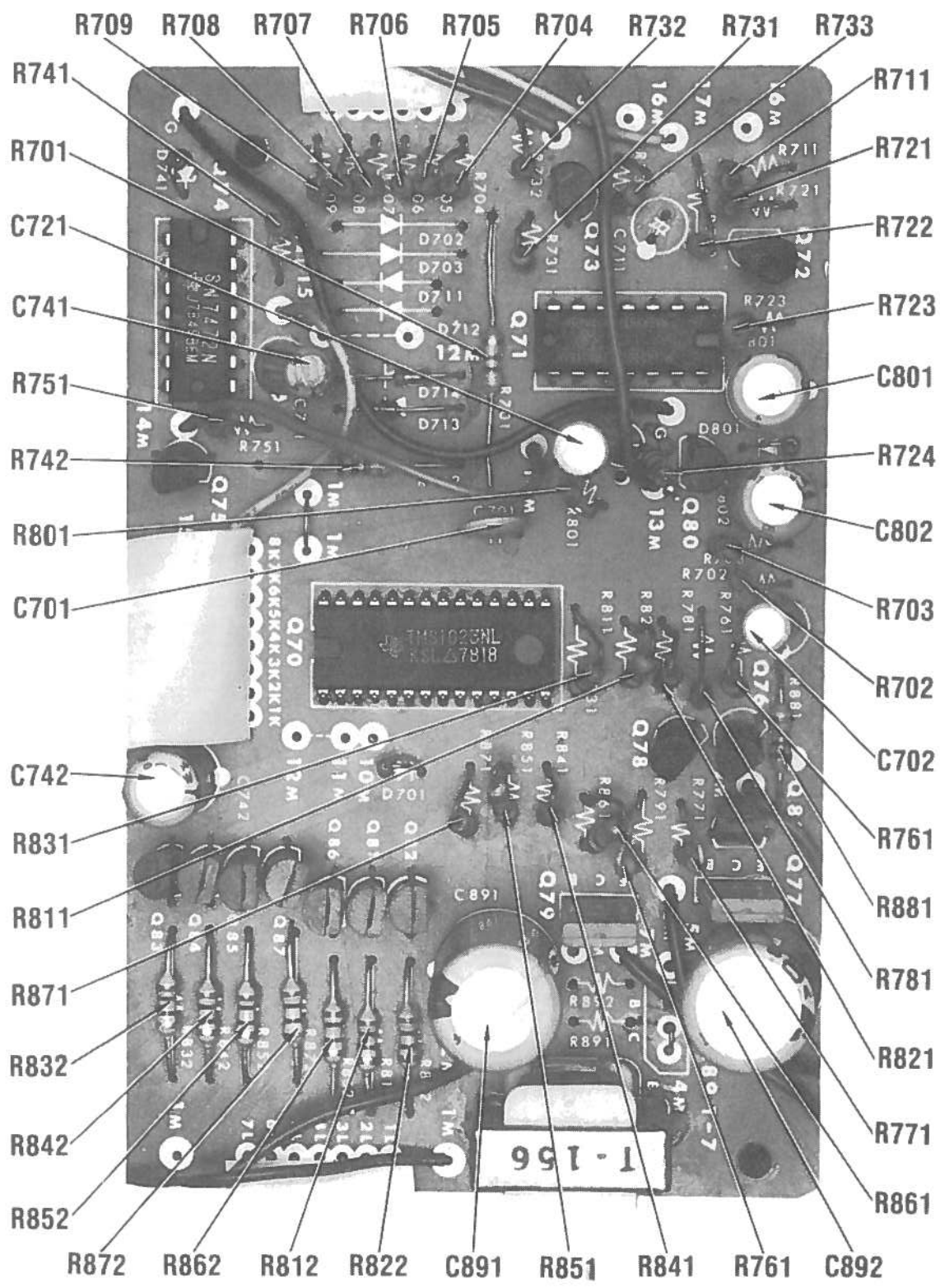
SCAN BOARD



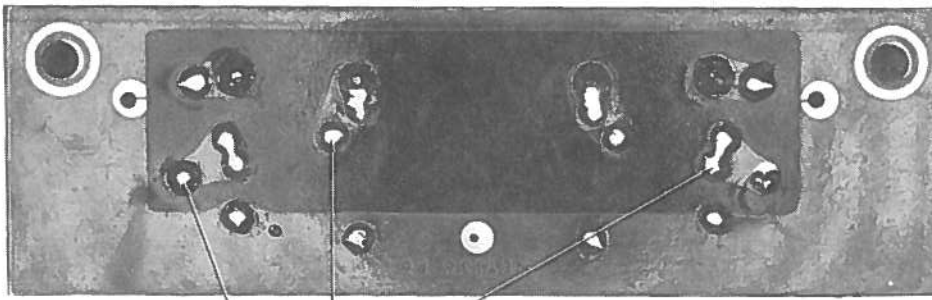
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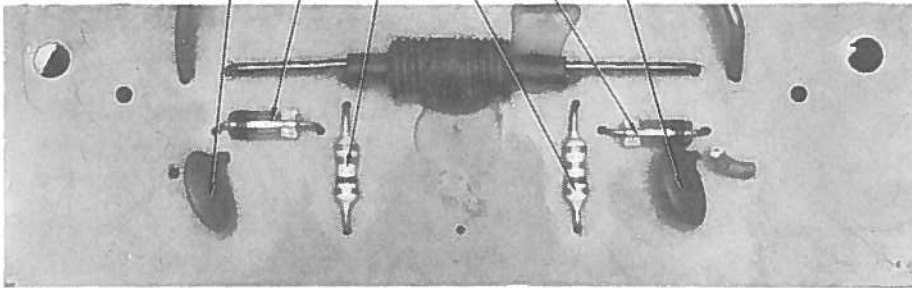
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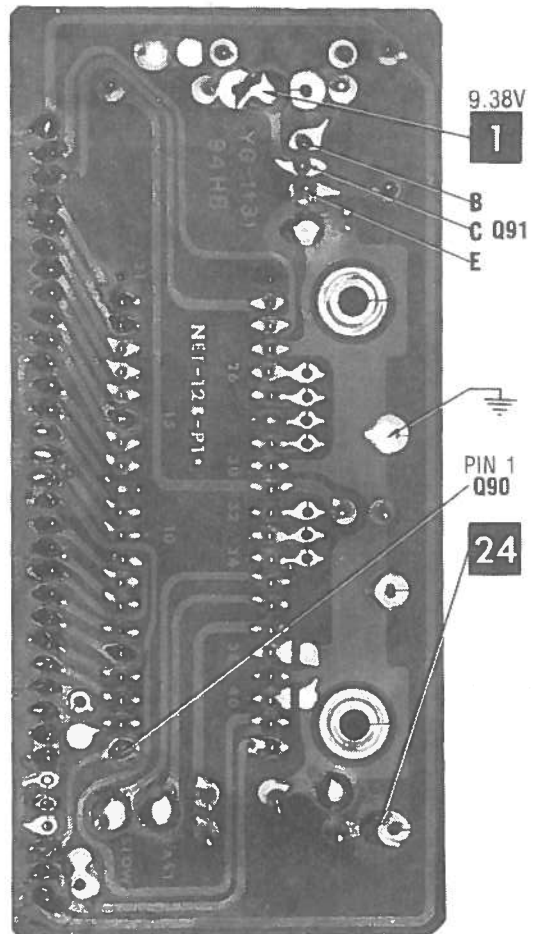
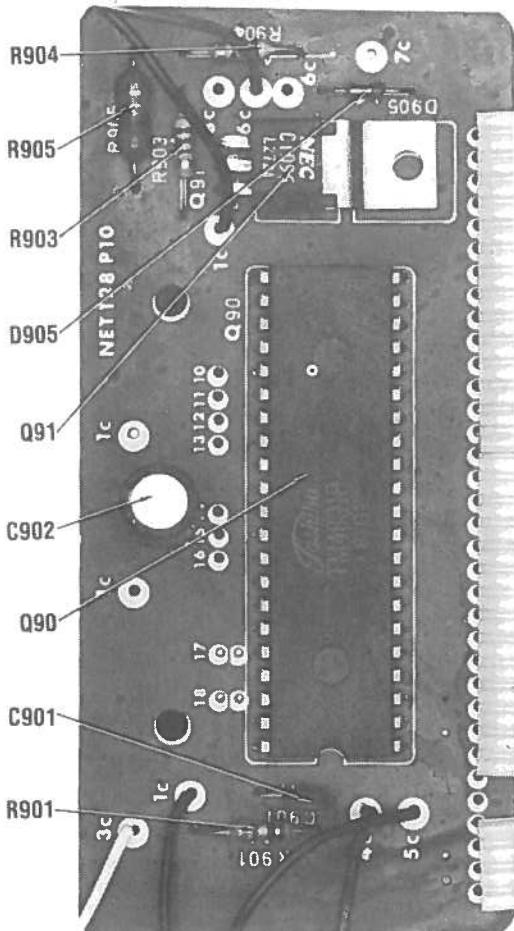
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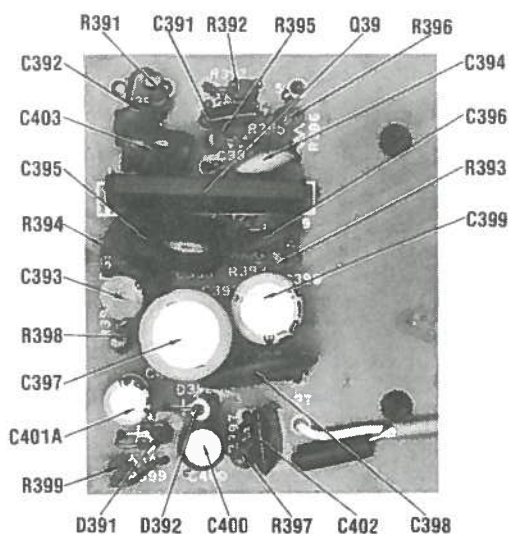
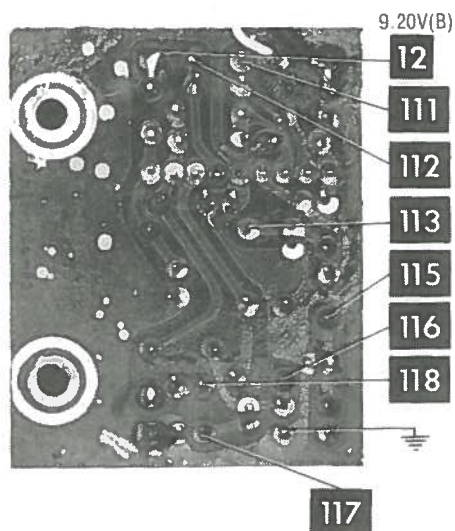
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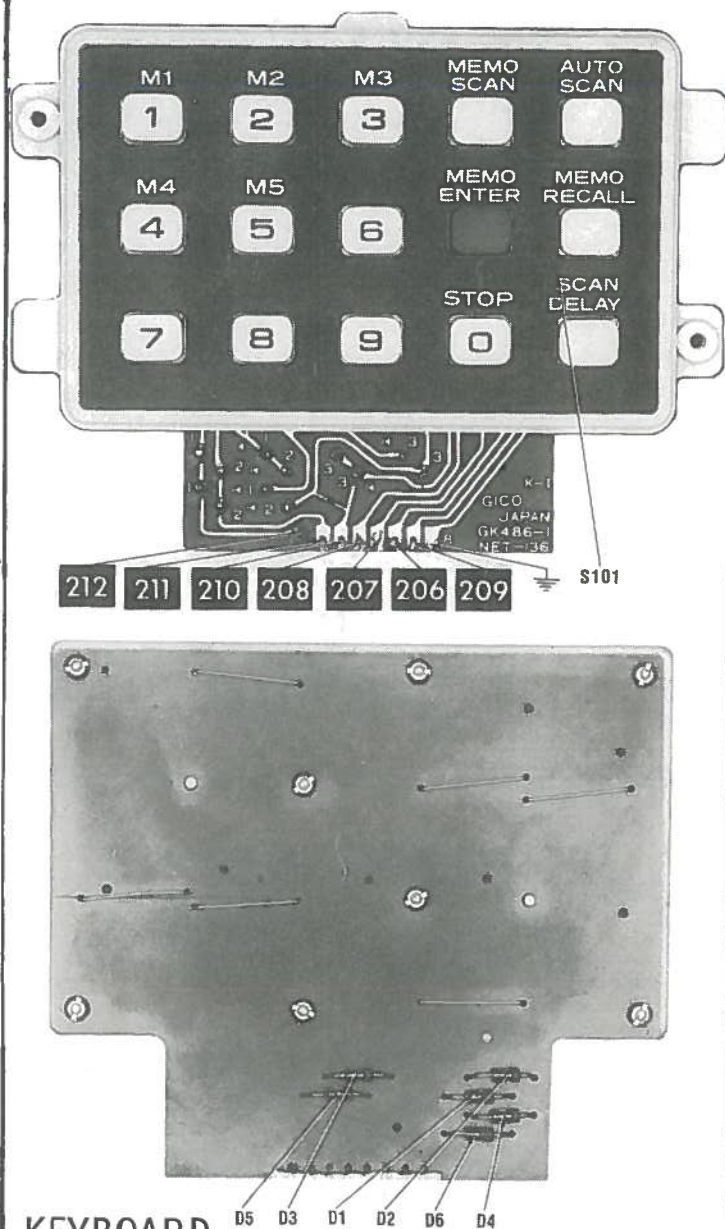
SWR BRIDGE BOARD



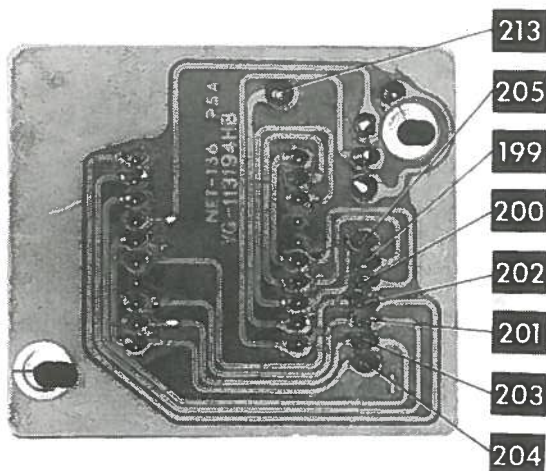
CLOCK BOARD



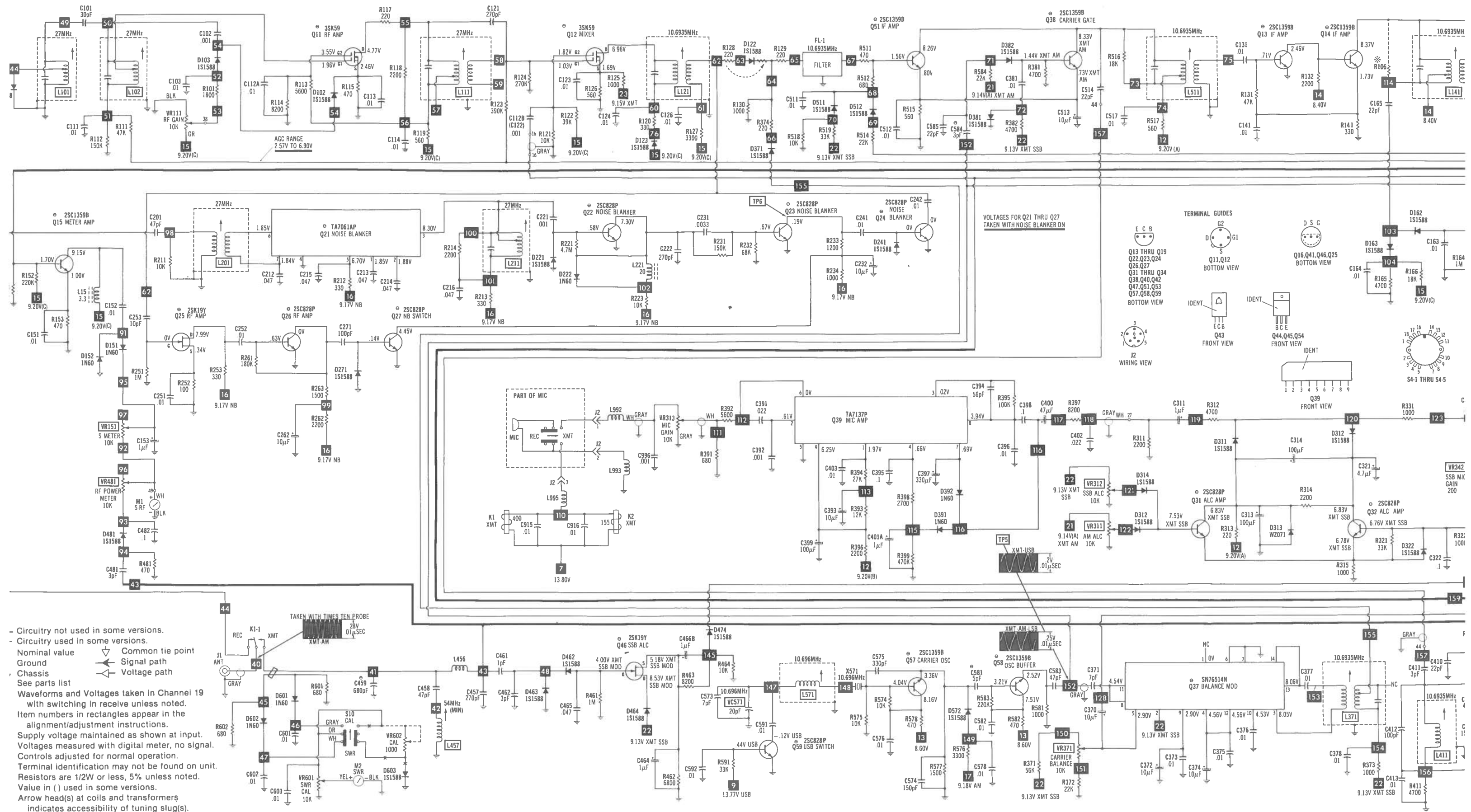
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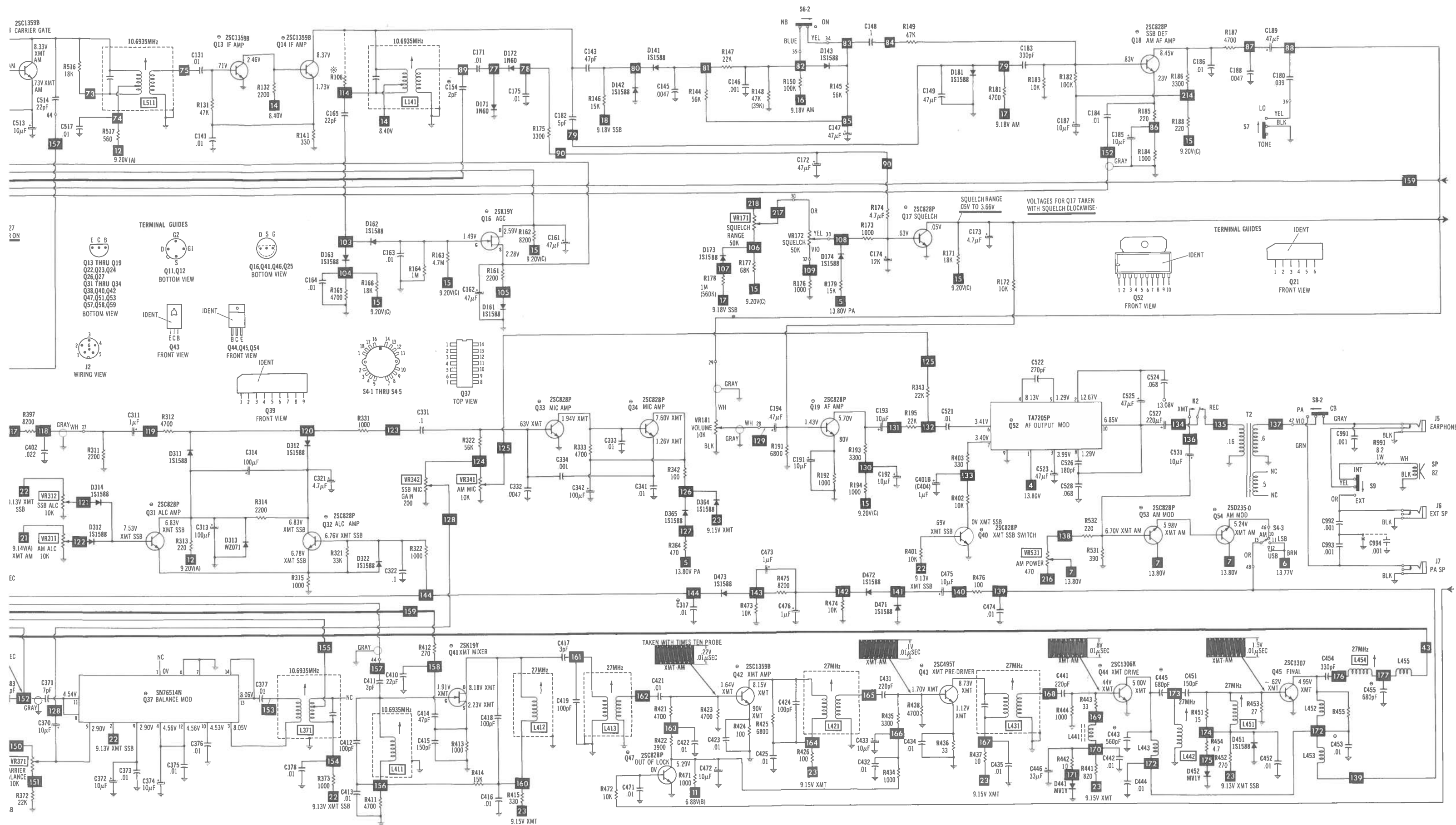
KEYBOARD

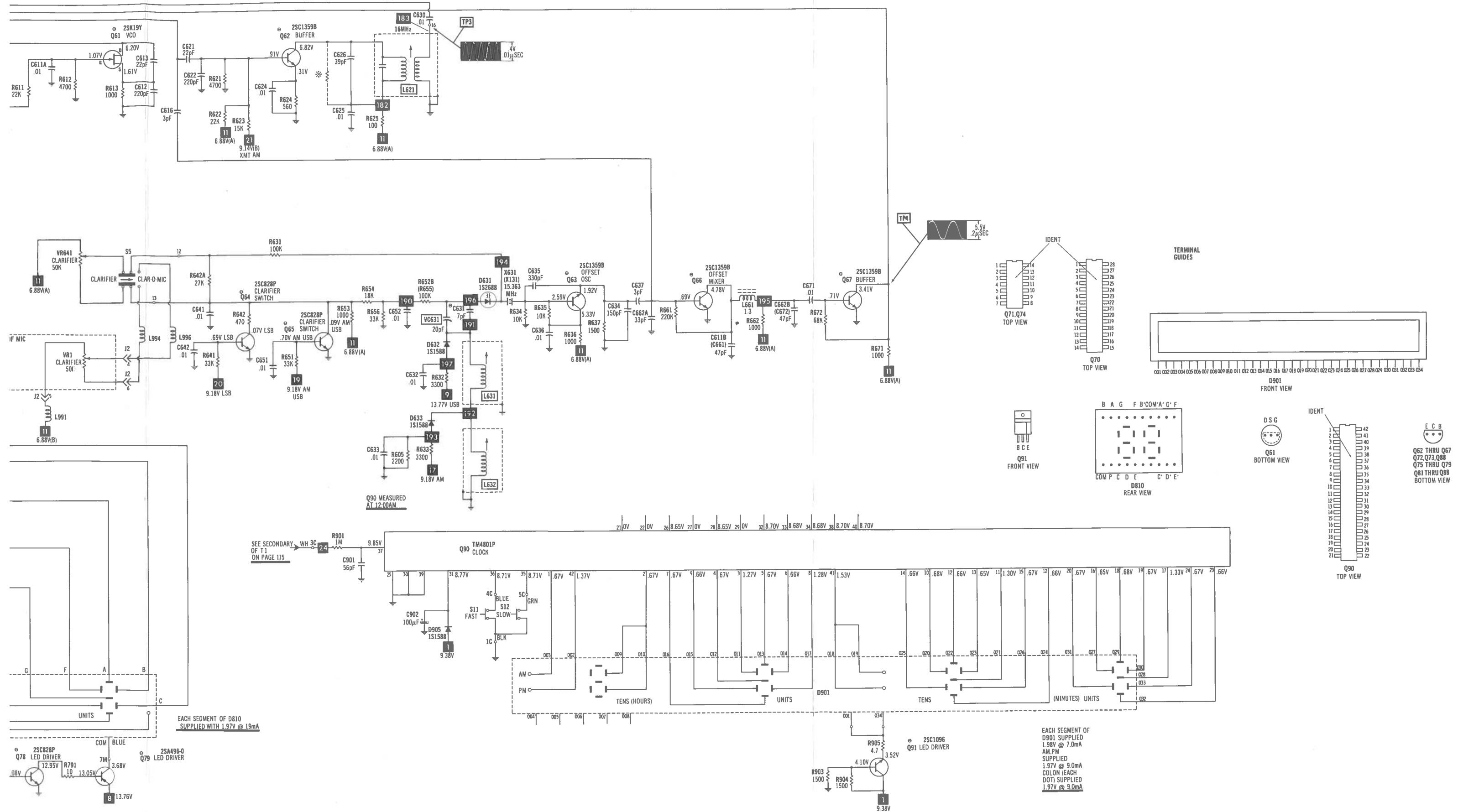


LED DISPLAY BOARD



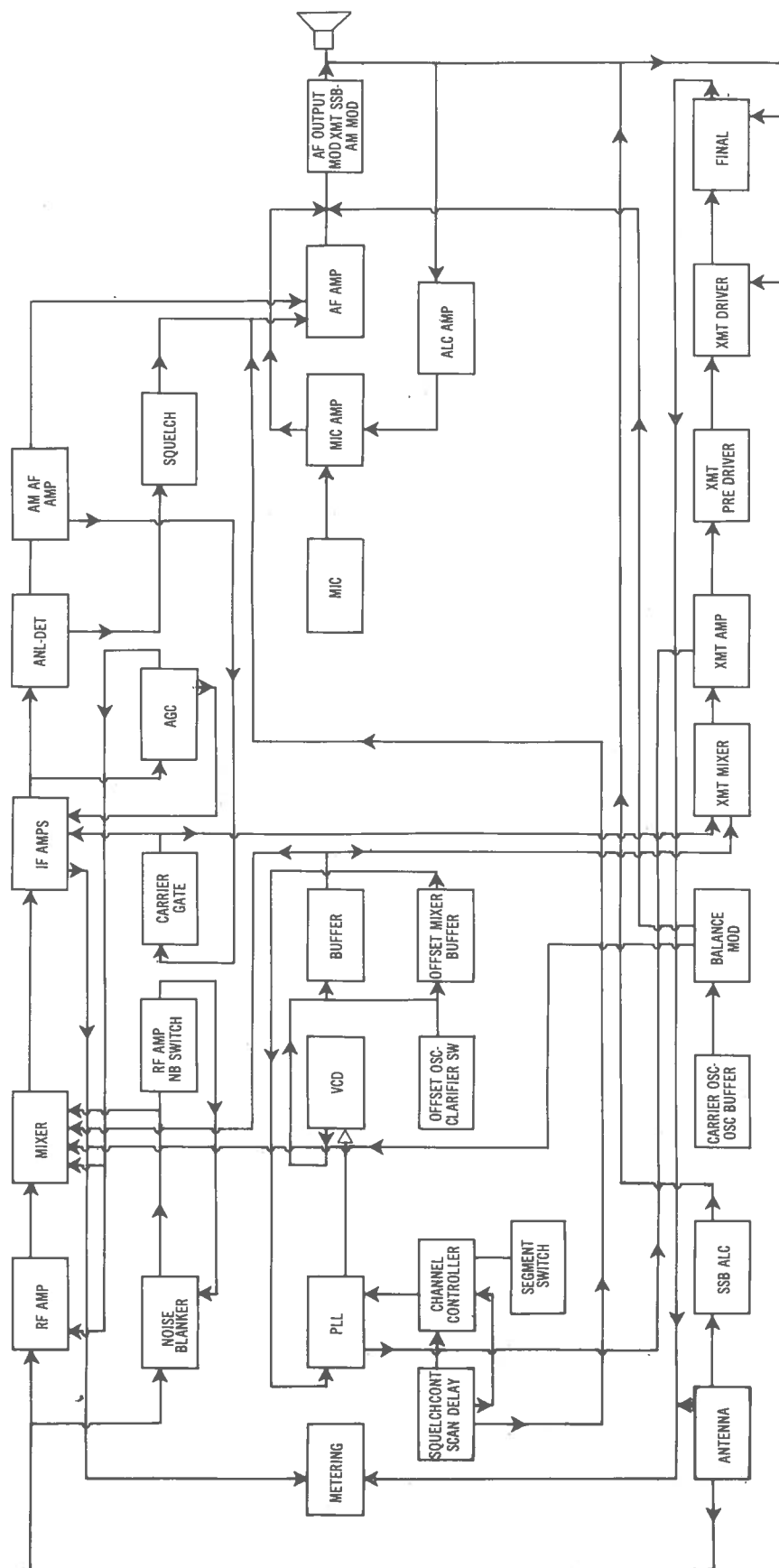
MAIN SCHEMATIC





PLL & CLOCK SCHEMATIC

ROBYN MODEL SB-540D



PARTS LIST AND DESCRIPTION

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

SEMICONDUCTORS (Select replacement transistor for best results)

ITEM No.	TYPE No.	MFG. PART No.	REPLACEMENT DATA							
			GENERAL ELECTRIC PART No.	MALLORY PART No.	RAYTHEON PART No.	RCA PART No.	SYLVANIA PART No.	THORDARSON PART No.	WORKMAN PART No.	ZENITH PART No.
D1	1S1588	DS1588	GE-514	PTC214	REN 177	SK3100	ECG519	TH519	WEP925	103-287
D2	1S1588	DS1588	GE-514	PTC214	REN 177	SK3100	ECG519	TH519	WEP925	103-287
D3	1S1588	DS1588	GE-514	PTC214	REN 177	SK3100	ECG519	TH519	WEP925	103-287
D4	1S1588	DS1588	GE-514	PTC214	REN 177	SK3100	ECG519	TH519	WEP925	103-287
D5	1S1588	DS1588	GE-514	PTC214	REN 177	SK3100	ECG519	TH519	WEP925	103-287
D6	1S1588	DS1588	GE-514	PTC214	REN 177	SK3100	ECG519	TH519	WEP925	103-287
D101	1S1588	DS1588	GE-514	PTC214	REN 177	SK3100	ECG519	TH519	WEP925	103-287
D102	1S1588	DS1588	GE-514	PTC214	REN 177	SK3100	ECG519	TH519	WEP925	103-287
D103	1S1588	DS1588	GE-514	PTC214	REN 177	SK3100	ECG519	TH519	WEP925	103-287
U122	1S1588	DS1588	GE-514	PTC214	REN 177	SK3100	ECG519	TH519	WEP925	103-287
U123	1S1588	DS1588	GE-514	PTC214	REN 177	SK3100	ECG519	TH519	WEP925	103-287
U141	1S1588	DS1588	GE-514	PTC214	REN 177	SK3100	ECG519	TH519	WEP925	103-287
U142	1S1588	DS1588	GE-514	PTC214	REN 177	SK3100	ECG519	TH519	WEP925	103-287
U143	1S1588	DS1588	GE-514	PTC214	REN 177	SK3100	ECG519	TH519	WEP925	103-287
U151	1N60	DG1N60	1N60	PTC206	REN 109	SK3088	ECG109	TH109/**	WEP134	103-29001
U152	1N60	DG1N60	1N60	PTC206	REN 109	SK3088	ECG109	TH109/**	WEP134	103-29001
D161	1S1588	DS1588	GE-514	PTC214	REN 177	SK3100	ECG519	TH519	WEP925	103-287
U162	1S1588	DS1588	GE-514	PTC214	REN 177	SK3100	ECG519	TH519	WEP925	103-287
U163	1S1588	DS1588	GE-514	PTC214	REN 177	SK3100	ECG519	TH519	WEP925	103-287
U171	1N60	DG1N60	1N60	PTC206	REN 109	SK3088	ECG109	TH109/**	WEP134	103-29001
U172	1N60	DG1N60	1N60	PTC206	REN 109	SK3088	ECG109	TH109/**	WEP134	103-29001
U173	1S1588	DS1588	GE-514	PTC214	REN 177	SK3100	ECG519	TH519	WEP925	103-287
U174	1S1588	DS1588	GE-514	PTC214	REN 177	SK3100	ECG519	TH519	WEP925	103-287
D181	1S1588	DS1588	GE-514	PTC214	REN 177	SK3100	ECG519	TH519	WEP925	103-287
D221	1S1588	DS1588	GE-514	PTC214	REN 177	SK3100	ECG519	TH519	WEP925	103-287
U222	1N60	DG1N60	1N60	PTC206	REN 109	SK3088	ECG109	TH109/**	WEP134	103-29001
D241	1S1588	DS1588	GE-514	PTC214	REN 177	SK3100	ECG519	TH519	WEP925	103-287
D271	1S1588	DS1588	GE-514	PTC214	REN 177	SK3100	ECG519	TH519	WEP925	103-287
U311	1S1588	DS1588	GE-514	PTC214	REN 177	SK3100	ECG519	TH519	WEP925	103-287
U312	1S1588	DS1588	GE-514	PTC214	REN 177	SK3100	ECG519	TH519	WEP925	103-287
U313	WZ071	DZ0710	GEZD-7.5	ZB7.5B	REN 138	SK3059	ECG138A	TH138/**	WEP1107	103-29002
U314	1S1588	DS1588	GE-514	PTC214	REN 177	SK3100	ECG519	TH519	WEP925	103-287
U321	1S1588	DS1588	GE-514	PTC214	REN 177	SK3100	ECG519	TH519	WEP925	103-287
U322	1S1588	DS1588	GE-514	PTC214	REN 177	SK3100	ECG519	TH519	WEP925	103-287
U364	1S1588	DS1588	GE-514	PTC214	REN 177	SK3100	ECG519	TH519	WEP925	103-287
U365	1S1588	DS1588	GE-514	PTC214	REN 177	SK3100	ECG519	TH519	WEP925	103-287
U371	1S1588	DS1588	GE-514	PTC214	REN 177	SK3100	ECG519	TH519	WEP925	103-287
U381	1S1588	DS1588	GE-514	PTC214	REN 177	SK3100	ECG519	TH519	WEP925	103-287
U382	1S1588	DS1588	GE-514	PTC214	REN 177	SK3100	ECG519	TH519	WEP925	103-287
U391	1N60	DG1N60	1N60	PTC206	REN 109	SK3088	ECG109	TH109/**	WEP134	103-29001
U392	1N60	DG1N60	1N60	PTC206	REN 109	SK3088	ECG109	TH109/**	WEP134	103-29001
U441	WV1Y	DVWV1Y		PTC301	REN 601	SK3463	ECG601			
D451	1S1588	DS1588	GE-514	PTC214	REN 177	SK3100	ECG519	TH519	WEP925	103-287
U452	WV1Y	DVWV1Y		PTC301	REN 601	SK3463	ECG601			
D462	1S1588	DS1588	GE-514	PTC214	REN 177	SK3100	ECG519	TH519	WEP925	103-287
U463	1S1588	DS1588	GE-514	PTC214	REN 177	SK3100	ECG519	TH519	WEP925	103-287
D464	1S1588	DS1588	GE-514	PTC214	REN 177	SK3100	ECG519	TH519	WEP925	103-287
D471	1S1588	DS1588	GE-514	PTC214	REN 177	SK3100	ECG519	TH519	WEP925	103-287
D472	1S1588	DS1588	GE-514	PTC214	REN 177	SK3100	ECG519	TH519	WEP925	103-287
D473	1S1588	DS1588	GE-514	PTC214	REN 177	SK3100	ECG519	TH519	WEP925	103-287
D474	1S1588	DS1588	GE-514	PTC214	REN 177	SK3100	ECG519	TH519	WEP925	103-287
D481	1S1588	DS1588	GE-514	PTC214	REN 177	SK3100	ECG519	TH519	WEP925	103-287
U511	1S1588	DS1588	GE-514	PTC214	REN 177	SK3100	ECG519	TH519	WEP925	103-287
U512	1S1588	DS1588	GE-514	PTC214	REN 177	SK3100	ECG519	TH519	WEP925	103-287
U572	1S1588	DS1588	GE-514	PTC214	REN 177	SK3100	ECG519	TH519	WEP925	103-287
D601	1N60	DG1N60	1N60	PTC206	REN 109	SK3088	ECG109	TH109/**	WEP134	103-29001
D602	1N60	DG1N60	1N60	PTC206	REN 109	SK3088	ECG109	TH109/**	WEP134	103-29001
D603	1S1588	DS1588	GE-514	PTC214	REN 177	SK3100	ECG519	TH519	WEP925	103-287
D611	1S2688	DC2688			REN 614	SK3126	ECG613			
D621	WZ071	DZ0710	GEZD-7.5	ZB7.5B	REN 138	SK3059	ECG138A	TH138/**	WEP1107	103-29002
D631	1S2688	DC2688			REN 614	SK3126	ECG613			
D632	1S1588	DS1588	GE-514	PTC214	REN 177	SK3100	ECG519	TH519	WEP925	103-287
U633	1S1588	DS1588	GE-514	PTC214	REN 177	SK3100	ECG519	TH519	WEP925	103-287
D701	1S1588	DS1588	GE-514	PTC214	REN 177	SK3100	ECG519	TH519	WEP925	103-287
D713	1S1588	DS1588	GE-514	PTC214	REN 177	SK3100	ECG519	TH519	WEP925	103-287
D714	1S1588	DS1588	GE-514	PTC214	REN 177	SK3100	ECG519	TH519	WEP925	103-287
D741	WZ050	DZ0500	GEZD-5.0		REN 135	SK3051	ECG135A	TH135	WEP1103	103-29006
D801	WZ096	DZ0960	GEZD-10	ZB10B	REN 140	SK3061	ECG140A	TH140/**	WEP1110	103-29010
D911	53V10	DR3100	GE-512	PTC204	REN 156	SK3051	ECG156	TH156	WEP4008	212-29000
D912	53V10	DR3100	GE-512	PTC204	REN 156	SK3051	ECG156	TH156	WEP4008	212-29000
D913	53V10	DR3100	GE-512	PTC204	REN 156	SK3051	ECG156	TH156	WEP4008	212-29000
D914	53V10	DR3100	GE-512	PTC204	REN 156	SK3051	ECG156	TH156	WEP4008	212-29000
D915	53V10	DR3100	GE-512	PTC204	REN 156	SK3051	ECG156	TH156	WEP4008	212-29000
D931	WZ071	DZ0710	GEZD-7.5	ZB7.5B	REN 138	SK3059	ECG138A	TH138/**	WEP1107	103-29002
D951	WZ096	DZ0960	GEZD-10	ZB10B	REN 140	SK3061	ECG140A	TH140/**	WEP1110	103-29010
D961	WZ096	DZ0960	GEZD-10	ZB10B	REN 140	SK3061	ECG140A	TH140/**	WEP1110	103-29010
Q11	35K59	QFSK59	GE-FET-4	PTC182	REN 222	SK3050	ECG222	TH222	WEP905	121-826
	35K73	QFSK73	GE-FET-4	PTC182	REN 222	SK3056	ECG222	TH222	WEP905	121-826
Q12	35K59	QFSK59	GE-FET-4	PTC182	REN 222	SK3050	ECG222	TH222	WEP905	121-826
	35K73	QFSK73	GE-FET-4	PTC182	REN 222	SK3056	ECG222	TH222	WEP905	121-826
Q13	25C1359B	QS1359	GE-212	PTC121*	REN 229*	SK3122	ECG229*	TH229*	WEP829	121-29021
	25C1359	QS1359	GE-212	PTC121*	REN 229*	SK3122	ECG229*	TH229*	WEP829	121-29021
	25C1675	QS1675	GE-213	PTC132*	REN 229*	SK3122	ECG229*	TH229*	WEP773	121-29021
Q14	25C1359B	QS1359	GE-212	PTC121*	REN 229*	SK3122	ECG229*	TH229*	WEP829	121-29021
	25C1359	QS1359	GE-212	PTC121*	REN 229*	SK3122	ECG229*	TH229*	WEP829	121-29021
	25C1675	QS1675	GE-213	PTC132*	REN 229*	SK3122	ECG229*	TH229*	WEP773	121-29021
Q15	25C1359B	QS1359	GE-212	PTC121*	REN 229*	SK3122	ECG229*	TH229*	WEP829	121-29021
	25C1359	QS1359	GE-212	PTC121*	REN 229*	SK3122	ECG229*	TH229*	WEP829	121-29021
	25C1675	QS1675	GE-213	PTC132*	REN 229*	SK3122	ECG229*	TH229*	WEP773	121-29021
Q16	25K19Y	QFK19Y	GE-FET-2	PTC161	REN 132	SK3834	ECG312	TH312	WEP920	121-756
	25K19	QFK19Y	GE-FET-2	PTC161	REN 132	SK3834	ECG312	TH312	WEP920	121-756
Q17	25C828P	QSC828	GE-61*	PTC139*	REN 199	SK3122	ECG199	TH199/**	WEP828	121-972
	25C828	QSC828	GE-61*	PTC139*	REN 199	SK3122	ECG199	TH199/**	WEP828	121-972
	25C1815	QSC1815	GE-62	PTC136	REN 199	SK3245	ECG199	TH199	WEP66	121-29000
	25C945	QSC945	GE-212	PTC121*	REN 199	SK3124	ECG199	TH199/**	WEP1945	121-972
Q18	25C828P	QSC828	GE-61*	PTC139*	REN 199	SK3122	ECG199	TH199/**	WEP828	121-972
	25C828	QSC828	GE-61*	PTC139*	REN 199	SK3122	ECG199	TH199/**	WEP828	121-972
	25C1815	QSC1815	GE-62	PTC136	REN 199	SK3245	ECG199	TH199	WEP66	121-29000
	25C945	QSC945	GE-212	PTC121*	REN 199	SK3124	ECG199	TH199/**	WEP1945	121-972
Q19	25C828P	QSC828	GE-61*	PTC139*	REN 199	SK3122	ECG199	TH199/**	WEP828	121-972
	25C828	QSC828	GE-61*	PTC139*	REN 199	SK3122	ECG199	TH199/**	WEP828	121-972
	25C1815	QSC1815	GE-62	PTC136	REN 199	SK3245	ECG199	TH199	WEP66	121-29000
	25C945	QSC945	GE-212	PTC121*	REN 199	SK3124	ECG199	TH199/**	WEP1945	121-972

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.	RAYTHEON PART No.	RCA PART No.	SYLVANIA PART No.	THORDARSON PART No.	WORKMAN PART No.	ZENITH PART No.
Q21	TA7061AP	NI7061	GEIC-92	PTC781	REN 1100	SK3223	ECG1100	TA7061AP	WEP941	221-Z9023
Q22	TA7061P	NI7061	GEIC-92	PTC781	REN 1100	SK3223	ECG1100	TA7061AP	WEP941	221-Z9023
	25C828P	QSC828	GE-61*	PTC139*	REN 199	SK3122	ECG199	TH199/**	WEP828	121-972
Q23	25C828	QSC828	GE-61*	PTC139*	REN 199	SK3122	ECG199	TH199/**	WEP828	121-972
	25C1815	Q51815	GE-62	PTC136	REN 199	SK3245	ECG199	TH199/**	WEP66	121-Z9000
Q24	25C945	Q5C945	GE-212	PTC121*	REN 199	SK3124	ECG199	TH199/**	WEP1945	121-972
	25C828P	QSC828	GE-61*	PTC139*	REN 199	SK3122	ECG199	TH199/**	WEP828	121-972
Q25	25C828	QSC828	GE-61*	PTC139*	REN 199	SK3122	ECG199	TH199/**	WEP828	121-972
	25C1815	Q51815	GE-62	PTC136	REN 199	SK3245	ECG199	TH199/**	WEP66	121-Z9000
Q26	25C945	Q5C945	GE-212	PTC121*	REN 199	SK3124	ECG199	TH199/**	WEP1945	121-972
	25C828P	QSC828	GE-61*	PTC139*	REN 199	SK3122	ECG199	TH199/**	WEP828	121-972
Q27	25C828	QSC828	GE-61*	PTC139*	REN 199	SK3122	ECG199	TH199/**	WEP828	121-972
	25C1815	Q51815	GE-62	PTC136	REN 199	SK3245	ECG199	TH199/**	WEP66	121-Z9000
Q31	25C945	Q5C945	GE-212	PTC121*	REN 199	SK3124	ECG199	TH199/**	WEP1945	121-972
	25C828P	QSC828	GE-61*	PTC139*	REN 199	SK3122	ECG199	TH199/**	WEP828	121-972
Q32	25C828	QSC828	GE-61*	PTC139*	REN 199	SK3122	ECG199	TH199/**	WEP828	121-972
	25C1815	Q51815	GE-62	PTC136	REN 199	SK3245	ECG199	TH199/**	WEP66	121-Z9000
Q33	25C945	Q5C945	GE-212	PTC121*	REN 199	SK3124	ECG199	TH199/**	WEP1945	121-972
	25C828P	QSC828	GE-61*	PTC139*	REN 199	SK3122	ECG199	TH199/**	WEP828	121-972
Q34	25C828	QSC828	GE-61*	PTC139*	REN 199	SK3122	ECG199	TH199/**	WEP828	121-972
	25C1815	Q51815	GE-62	PTC136	REN 199	SK3245	ECG199	TH199/**	WEP66	121-Z9000
Q37	25C945	Q5C945	GE-212	PTC121*	REN 199	SK3124	ECG199	TH199/**	WEP1945	121-972
	SH76514H	NB6514	GE-212	PTC121*	REN 199	SK3124	ECG199	TH199/**	WEP1945	121-972
Q38	25C1359B	Q51359	GE-212	PTC121*	REN 229*	SK3122	ECG229*	TH229*	WEP829	121-Z9021
	25C1675	Q51675	GE-213	PTC132*	REN 229*	SK3122	ECG229*	TH229*	WEP773	121-Z9021
Q39	TA7137P	HA7137	GE-61*	PTC139*	REN 199	SK3122	ECG199	TH199/**	WEP828	121-972
	25C828P	QSC828	GE-61*	PTC139*	REN 199	SK3122	ECG199	TH199/**	WEP828	121-972
Q40	25C1815	Q51815	GE-62	PTC136	REN 199	SK3245	ECG199	TH199/**	WEP66	121-Z9000
	25C19Y	QFK19Y	GE-FET-2	PTC161	REN 132	SK3834	ECG312	TH312	WEP920	121-756
Q41	25C1359B	Q51359	GE-212	PTC121*	REN 229*	SK3122	ECG229*	TH229*	WEP829	121-Z9021
	25C1675	Q51675	GE-213	PTC132*	REN 229*	SK3122	ECG229*	TH229*	WEP829	121-Z9021
Q42	25C495T	Q5C495	GE-270	PTC180	REN 295	SK3253	ECG295	TH295	WEP913	121-860
	25C1306K	Q51306	GE-215	PTC186	REN 235	SK3239	ECG235	TH235/**	WEP785	121-Z9039
Q43	25C1306	Q51306	GE-215	PTC186	REN 235	SK3239	ECG235	TH235/**	WEP785	121-Z9039
	25C1307	Q51307	GE-216	PTC186	REN 236	SK3239	ECG236	TH236	WEP840	121-Z9040
Q44	25C19Y	QFK19Y	GE-FET-2	PTC161	REN 132	SK3448	ECG312	TH312	WEP920	121-756
	25C19Y	QFK19Y	GE-FET-2	PTC161	REN 132	SK3448	ECG312	TH312	WEP920	121-756
Q45	25C828P	QSC828	GE-61*	PTC139*	REN 199	SK3122	ECG199	TH199/**	WEP828	121-972
	25C828	QSC828	GE-61*	PTC139*	REN 199	SK3122	ECG199	TH199/**	WEP828	121-972
Q46	25C945	Q5C945	GE-212	PTC121*	REN 199	SK3124	ECG199	TH199/**	WEP1945	121-972
	25C1815	Q51815	GE-62	PTC136	REN 199	SK3245	ECG199	TH199/**	WEP66	121-Z9000
Q47	25C1359B	Q51359	GE-212	PTC121*	REN 229*	SK3122	ECG229*	TH229*	WEP829	121-Z9021
	25C1675	Q51675	GE-213	PTC132*	REN 229*	SK3122	ECG229*	TH229*	WEP773	121-Z9021
Q51	TA7205P	HA7205	GEIC-179	PTC780	REN 1155	SK3231	ECG1155	TH1155	WEP949	
	TA7205	HA7025	GEIC-179	PTC780	REN 1155	SK3231	ECG1155	TH1155	WEP949	
Q52	25C828P	QSC828	GE-61*	PTC139*	REN 199	SK3122	ECG199	TH199/**	WEP828	121-972
	25C828	QSC828	GE-61*	PTC139*	REN 199	SK3122	ECG199	TH199/**	WEP828	121-972
Q53	25C945	Q5C945	GE-212	PTC121*	REN 199	SK3124	ECG199	TH199/**	WEP1945	121-972
	25C1815	Q51815	GE-62	PTC136	REN 199	SK3245	ECG199	TH199/**	WEP66	121-Z9000
Q54	25D235-0	Q5D235	GE-66	PTC154	REN 152	SK3054	ECG152	TH152/**	WEP745	121-987-02
	25D235	Q5D235	GE-66	PTC154	REN 152	SK3054	ECG152	TH152/**	WEP745	121-987-02
Q55	25C1359B	Q51359	GE-212	PTC121*	REN 229*	SK3122	ECG229*	TH229*	WEP829	121-Z9021
	25C1675	Q51675	GE-213	PTC132*	REN 229*	SK3122	ECG229*	TH229*	WEP773	121-Z9021
Q56	25C1359B	Q51359	GE-212	PTC121*	REN 229*	SK3122	ECG229*	TH229*	WEP829	121-Z9021
	25C1675	Q51675	GE-213	PTC132*	REN 229*	SK3122	ECG229*	TH229*	WEP773	121-Z9021
Q57	25C1359B	Q51359	GE-212	PTC121*	REN 229*	SK3122	ECG229*	TH229*	WEP829	121-Z9021
	25C1675	Q51675	GE-213	PTC132*	REN 229*	SK3122	ECG229*	TH229*	WEP773	121-Z9021
Q58	25C1359B	Q51359	GE-212	PTC121*	REN 229*	SK3122	ECG229*	TH229*	WEP829	121-Z9021
	25C1675	Q51675	GE-213	PTC132*	REN 229*	SK3122	ECG229*	TH229*	WEP773	121-Z9021
Q59	25C828P	QSC828	GE-61*	PTC139*	REN 199	SK3122	ECG199	TH199/**	WEP828	121-972
	25C828	QSC828	GE-61*	PTC139*	REN 199	SK3122	ECG199	TH199/**	WEP828	121-972
Q60	25C1815	Q51815	GE-62	PTC136	REN 199	SK3245	ECG199	TH199/**	WEP66	121-Z9000
	25C945	Q5C945	GE-212	PTC121*	REN 199	SK3124	ECG199	TH199/**	WEP1945	121-972
Q61	25C19Y	QFK19Y	GE-FET-2	PTC161	REN 132	SK3834	ECG312	TH312	WEP920	121-756
	25C19Y	QFK19Y	GE-FET-2	PTC161	REN 132	SK3834	ECG312	TH312	WEP920	121-756
Q62	25C1359B	Q51359	GE-212	PTC121*	REN 229*	SK3122	ECG229*	TH229*	WEP829	121-Z9021
	25C1675	Q51675	GE-213	PTC132*	REN 229*	SK3122	ECG229*	TH229*	WEP773	121-Z9021
Q63	25C1359B	Q51359	GE-212	PTC121*	REN 229*	SK3122	ECG229*	TH229*	WEP829	121-Z9021
	25C1675	Q51675	GE-213	PTC132*	REN 229*	SK3122	ECG229*	TH229*	WEP773	121-Z9021
Q64	25C828P	QSC828	GE-61*	PTC139*	REN 199	SK3122	ECG199	TH199/**	WEP828	121-972
	25C828	QSC828	GE-61*	PTC139*	REN 199	SK3122	ECG199	TH199/**	WEP828	121-972
Q65	25C1815	Q51815	GE-62	PTC136	REN 199	SK3245	ECG199	TH199/**	WEP66	121-Z9000
	25C1675	Q51675	GE-213	PTC132*	REN 229*	SK3122	ECG229*	TH229*	WEP773	121-Z9021
Q66	25C828P	QSC828	GE-61*	PTC139*	REN 199	SK3122	ECG199	TH199/**	WEP828	121-972
	25C828	QSC828	GE-61*	PTC139*	REN 199	SK3122	ECG199	TH199/**	WEP828	121-972
Q67	25C1815	Q51815	GE-62	PTC136	REN 199	SK3245	ECG199	TH199/**	WEP66	121-Z9000
	25C1675	Q51675	GE-213	PTC132*	REN 229*	SK3122	ECG229*	TH229*	WEP773	121-Z9021

ROBYN MODEL SB-540D

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.	RAYTHEON PART No.	RCA PART No.	SYLVANIA PART No.	THORDARSON PART No.	WORKMAN PART No.	ZENITH PART No.
Q66	25C1359B	Q51359	GE-212	PTC121*	REN 229*	SK3122	ECG229*	TM229*	WEP829	121-29021
	25C1359	Q51359	GE-212	PTC121*	REN 229*	SK3122	ECG229*	TM229*	WEP829	121-29021
	25C1675	Q51675	GE-213	PTC132*	REN 229*	SK3122	ECG229*	TM229*	WEP773	121-29021
Q67	25C1359B	Q51359	GE-212	PTC121*	REN 229*	SK3122	ECG229*	TM229*	WEP829	121-29021
	25C1359	Q51359	GE-212	PTC121*	REN 229*	SK3122	ECG229*	TM229*	WEP829	121-29021
	25C1675	Q51675	GE-213	PTC132*	REN 229*	SK3122	ECG229*	TM229*	WEP773	121-29021
Q68	LC7120	NP7120								
Q70	TM51023HL	NM1023								
Q71	TP4016AH	NC4016								
Q72	TP4016A	NC4016								
	25C828P	Q5C828	GE-61*	PTC139*	REN 199	SK3122	ECG199	TM199/**	WEP828	121-972
	25C828	Q5C828	GE-61*	PTC139*	REN 199	SK3122	ECG199	TM199/**	WEP828	121-972
Q73	25C1815	Q51815	GE-62	PTC136	REN 199	SK3245	ECG199	TM199	WEP66	121-29000
	25C945	Q5C945	GE-212	PTC121*	REN 199	SK3124	ECG199	TM199/**	WEP1945	121-972
	25C828P	Q5C828	GE-61*	PTC139*	REN 199	SK3122	ECG199	TM199/**	WEP828	121-972
Q74	25C828	Q5C828	GE-61*	PTC139*	REN 199	SK3122	ECG199	TM199/**	WEP828	121-972
	25C1815	Q51815	GE-62	PTC136	REN 199	SK3245	ECG199	TM199	WEP66	121-29000
	25C945	Q5C945	GE-212	PTC121*	REN 199	SK3124	ECG199	TM199/**	WEP1945	121-972
Q75	SN7472H	NT7472					ECG7472			
	SN7472	NT7472					ECG7472			
	25C828P	Q5C828	GE-61*	PTC139*	REN 199	SK3122	ECG199	TM199/**	WEP828	121-972
Q76	25C828	Q5C828	GE-61*	PTC139*	REN 199	SK3122	ECG199	TM199/**	WEP828	121-972
	25C1815	Q51815	GE-62	PTC136	REN 199	SK3245	ECG199	TM199	WEP66	121-29000
	25C945	Q5C945	GE-212	PTC121*	REN 199	SK3124	ECG199	TM199/**	WEP1945	121-972
Q77	25A496-0	QTA496	GE-58	PTC905	REN 185	SK3191	ECG185	TM185	WEP883	121-994*
	25A496	QTA496	GE-58	PTC905	REN 185	SK3191	ECG185	TM185	WEP883	121-994*
	25C828P	Q5C828	GE-61*	PTC139*	REN 199	SK3122	ECG199	TM199/**	WEP828	121-972
Q78	25C828	Q5C828	GE-61*	PTC139*	REN 199	SK3122	ECG199	TM199/**	WEP828	121-972
	25C1815	Q51815	GE-62	PTC136	REN 199	SK3245	ECG199	TM199	WEP66	121-29000
	25C945	Q5C945	GE-212	PTC121*	REN 199	SK3124	ECG199	TM199/**	WEP1945	121-972
Q79	25A496-0	QTA496	GE-58	PTC905	REN 185	SK3191	ECG185	TM185	WEP883	121-994*
	25A496	QTA496	GE-58	PTC905	REN 185	SK3191	ECG185	TM185	WEP883	121-994*
	25C828P	Q5C828	GE-61*	PTC139*	REN 199	SK3122	ECG199	TM199/**	WEP828	121-972
Q80	25C828	Q5C828	GE-61*	PTC139*	REN 199	SK3122	ECG199	TM199/**	WEP828	121-972
	25C1815	Q51815	GE-62	PTC136	REN 199	SK3245	ECG199	TM199	WEP66	121-29000
	25C945	Q5C945	GE-212	PTC121*	REN 199	SK3124	ECG199	TM199/**	WEP1945	121-972
Q81	25C1740Q	Q51740	GE-62	PTC121*	REN 123A*	SK3122	ECG123A*	TM123A*	WEP736*	121-29000A*
	25C1740	Q51740	GE-62	PTC121*	REN 123A*	SK3122	ECG123A*	TM123A*	WEP736*	121-29000A*
	25C828	Q5C828	GE-61*	PTC139*	REN 199	SK3122	ECG199	TM199/**	WEP828	121-972
Q82	25C1815	Q51815	GE-62	PTC136	REN 199	SK3245	ECG199	TM199	WEP66	121-29000
	25C945	Q5C945	GE-212	PTC121*	REN 199	SK3124	ECG199	TM199/**	WEP1945	121-972
	25C1740Q	Q51740	GE-62	PTC121*	REN 123A*	SK3122	ECG123A*	TM123A*	WEP736*	121-29000A*
Q83	25C1740	Q51740	GE-62	PTC121*	REN 123A*	SK3122	ECG123A*	TM123A*	WEP736*	121-29000A*
	25C828	Q5C828	GE-61*	PTC139*	REN 199	SK3122	ECG199	TM199/**	WEP828	121-972
	25C1815	Q51815	GE-62	PTC136	REN 199	SK3245	ECG199	TM199	WEP66	121-29000
Q84	25C945	Q5C945	GE-212	PTC121*	REN 199	SK3124	ECG199	TM199/**	WEP1945	121-972
	25C1740Q	Q51740	GE-62	PTC121*	REN 123A*	SK3122	ECG123A*	TM123A*	WEP736*	121-29000A*
	25C1740	Q51740	GE-62	PTC121*	REN 123A*	SK3122	ECG123A*	TM123A*	WEP736*	121-29000A*
Q85	25C828	Q5C828	GE-61*	PTC139*	REN 199	SK3122	ECG199	TM199/**	WEP828	121-972
	25C1815	Q51815	GE-62	PTC136	REN 199	SK3245	ECG199	TM199	WEP66	121-29000
	25C945	Q5C945	GE-212	PTC121*	REN 199	SK3124	ECG199	TM199/**	WEP1945	121-972
Q86	25C1740Q	Q51740	GE-62	PTC121*	REN 123A*	SK3122	ECG123A*	TM123A*	WEP736*	121-29000A*
	25C1740	Q51740	GE-62	PTC121*	REN 123A*	SK3122	ECG123A*	TM123A*	WEP736*	121-29000A*
	25C828	Q5C828	GE-61*	PTC139*	REN 199	SK3122	ECG199	TM199/**	WEP828	121-972
Q87	25C1815	Q51815	GE-62	PTC136	REN 199	SK3245	ECG199	TM199	WEP66	121-29000
	25C945	Q5C945	GE-212	PTC121*	REN 199	SK3124	ECG199	TM199/**	WEP1945	121-972
	25C1740Q	Q51740	GE-62	PTC121*	REN 123A*	SK3122	ECG123A*	TM123A*	WEP736*	121-29000A*
Q88	25C1740	Q51740	GE-62	PTC121*	REN 123A*	SK3122	ECG123A*	TM123A*	WEP736*	121-29000A*
	25C828	Q5C828	GE-61*	PTC139*	REN 199	SK3122	ECG199	TM199/**	WEP828	121-972
	25C1815	Q51815	GE-62	PTC136	REN 199	SK3245	ECG199	TM199	WEP66	121-29000
Q89	25C945	Q5C945	GE-212	PTC121*	REN 199	SK3124	ECG199	TM199/**	WEP1945	121-972
	25C1740Q	Q51740	GE-62	PTC121*	REN 123A*	SK3122	ECG123A*	TM123A*	WEP736*	121-29000A*
	25C1740	Q51740	GE-62	PTC121*	REN 123A*	SK3122	ECG123A*	TM123A*	WEP736*	121-29000A*
Q90	25C828	Q5C828	GE-61*	PTC139*	REN 199	SK3122	ECG199	TM199/**	WEP828	121-972
	25C1815	Q51815	GE-62	PTC136	REN 199	SK3245	ECG199	TM199	WEP66	121-29000
	25C945	Q5C945	GE-212	PTC121*	REN 199	SK3124	ECG199	TM199/**	WEP1945	121-972
Q91	TM4801P	NC4801								
	25C1096	Q51096	GE-28	PTC110	REN 186A	SK3192	ECG186A	TM186A/**	WEP1096	121-29008
	25C1226	Q51226	GE-215	PTC186	REN 186A	SK3357	ECG186A	TM186A/**	WEP751	121-29008
Q92	25D686	Q5D686								
Q93	25D235-0	Q5D235	GE-66	PTC154	REN 152	SK3054	ECG152	TM152/**	WEP745	121-987-02
	25D235	Q5D235	GE-66	PTC154	REN 152	SK3054	ECG152	TM152/**	WEP745	121-987-02
	25C828P	Q5C828	GE-61*	PTC139*	REN 199	SK3122	ECG199	TM199/**	WEP828	121-972
Q94	25C828	Q5C828	GE-61*	PTC139*	REN 199	SK3122	ECG199	TM199/**	WEP828	121-972
	25C1815	Q51815	GE-62	PTC136	REN 199	SK3245	ECG199	TM199	WEP66	121-29000
	25C945	Q5C945	GE-212	PTC121*	REN 199	SK3124	ECG199	TM199/**	WEP1945	121-972
Q95	25D235-0	Q5D235	GE-66	PTC154	REN 152	SK3054	ECG152	TM152/**	WEP745	121-987-02
	25D235	Q5D235	GE-66	PTC154	REN 152	SK3054	ECG152	TM152/**	WEP745	121-987-02
	25D235-0	Q5D235	GE-66	PTC154	REN 152	SK3054	ECG152	TM152/**	WEP745	121-987-02
Q96	25D235	Q5D235	GE-66	PTC154	REN 152	SK3054	ECG152	TM152/**	WEP745	121-987-02

PARTS LIST AND DESCRIPTION (CONTINUED)

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

ELECTROLYTIC CAPACITORS

ITEM No.	RATING	REPLACEMENT DATA				
		MFGR. PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.	
					Q-LINE	GENERAL LINE
C147	47 10V		PC50-16	VTT47D16	QV1-73	EV-1226
C153	1 50V		PC1-50	VTT1A50	QV1-11	EV-1615
C161	47 10V		PC50-16	VTT47D16	QV1-73	EV-1226
C162	47 10V		PC50-16	VTT47D16	QV1-73	EV-1226
C172	47 10V		PC50-16	VTT47D16	QV1-73	EV-1226
C173	4.7 10V		PC5-50	VTT4R7B50	QV1-31	EV-1619.1
C174	4.7 10V		PC5-50	VTT4R7B50	QV1-31	EV-1619.1
C185	10 10V		PC10-25	VTT10B25	QV1-41	EV-1222
C187	10 16V		PC10-25	VTT10B25	QV1-41	EV-1222
C189	.47 50V		PC1-50	VTT47A63	QV1-3	EV-1610
C191	10 10V		PC10-25	VTT10B25	QV1-41	EV-1222
C192	10 10V		PC10-25	VTT10B25	QV1-41	EV-1222
C193	10 10V		PC10-25	VTT10B25	QV1-41	EV-1222
C194	.47 50V		PC1-50	VTT47A63	QV1-3	EV-1610
C217	10 16V		PC10-25	VTT10B25	QV1-41	EV-1222
C232	10 16V		PC10-25	VTT10B25	QV1-41	EV-1222
C262	10 10V		PC10-25	VTT10B25	QV1-41	EV-1222
C311	1 50V		PC1-50	VTT1A50	QV1-11	EV-1615
C313	100 10V		PC100-10	VTT100E10	QV1-93	EV-1131
C314	100 10V		PC100-10	VTT100E10	QV1-93	EV-1131
C321	4.7 50V		PC5-50	VTT4R7B50	QV1-31	EV-1619.1
C342	100 10V		PC100-10	VTT100E10	QV1-93	EV-1131
C370	10 10V		PC10-25	VTT10B25	QV1-41	EV-1222
C372	10 10V		PC10-25	VTT10B25	QV1-41	EV-1222
C374	10 10V		PC10-25	VTT10B25	QV1-41	EV-1222
C379	47 10V		PC50-16	VTT47D16	QV1-73	EV-1226
C393	10 16V		PC10-25	VTT10B25	QV1-41	EV-1222
C397	330 6.3V		WBR300-35*	VTT330G10	QV1-131	EV-1145
C399	100 10V		PC100-10	VTT100E10	QV1-93	EV-1131
C400	.47 50V		PC1-50	VTT47A63	QV1-3	EV-1610
C401A	1 50V		PC1-50	VTT1A50	QV1-11	EV-1615
C401B	1 50V		PC1-50	VTT1A50	QV1-11	EV-1615
C433	10 10V		PC10-25	VTT10B25	QV1-41	EV-1222
C446	33 10V		PC30-25	VTT33B10	QV1-11	EV-1225
C464	1 50V		PC1-50	VTT1A50	QV1-11	EV-1615
C466B	1 50V		PC1-50	VTT1A50	QV1-11	EV-1615
C472	10 16V		PC10-25	VTT10B25	QV1-41	EV-1222
C473	1 50V		PC1-50	VTT1A50	QV1-11	EV-1615
C475	10 16V		PC10-25	VTT10B25	QV1-41	EV-1222
C476	1 50V		PC1-50	VTT1A50	QV1-11	EV-1615
C513	10 10V		PC10-25	VTT10B25	QV1-41	EV-1222
C523	47 10V		PC50-16	VTT47D16	QV1-73	EV-1226
C525	47 10V		PC50-16	VTT47D16	QV1-73	EV-1226
C527	220 16V		PC250-25	VTT220H16	QV1-117	EV-1240
C529	2200 16V		WBR2000-16	TC1520C*	QV1-643*	TVA-1175.3*
C531	10 16V		PC10-25	VTT10B25	QV1-41	EV-1222
C541	470 16V		PC500-16	VTT470K16	QV1-151	EV-1251
C617	47 16V		PC50-16	VTT47D16	QV1-73	EV-1226
C628	47 10V		PC50-16	VTT47D16	QV1-73	EV-1226
C681	.1 25V			TDC104M050EL	QDT1-2	SD50-R109
C683	33 10V		PC30-25	VTT33B10		EV-1225
C686	1 25V			TDC105M035EL	QDT1-2	SD35-19
C687	.1 35V			TDC104M050EL		SD50-R109
	1 25V			TDC105M035EL		SD35-19
C702	1 50V		PC1-50	VTT1A50	QV1-11	EV-1615
C721	33 10V		PC30-25	VTT33B10	QV1-41	EV-1225
C741	10 10V		PC10-25	VTT10B25	QV1-41	EV-1222
C742	100 10V		PC100-10	VTT100E10	QV1-93	EV-1131
C801	100 10V		PC100-10	VTT100E10	QV1-93	EV-1131
C802	47 16V		PC50-16	VTT47D16	QV1-73	EV-1226
C891	1000 16V		PC1000-16	VTT1000L16	QV1-183	EV-1261
C892	1000 16V		PC1000-16	VTT1000L16	QV1-183	EV-1261
C902	100 16V		PC100-16	VTT100F16	QV1-95	EV-1231
C921	220 25V		PC250-25	VTT220K25	QV1-119	EV-1340
C923	3300 25V					EV-1390
C951	47 10V		PC50-16	VTT47D16	QV1-73	EV-1226
C952A	100 10V		PC100-10	VTT100E10	QV1-93	EV-1131
C952B	1000 16V		PC1000-16	VTT1000L16	QV1-183	EV-1261
C961	100 10V		PC100-10	VTT100E10	QV1-93	EV-1131
C962	47 10V		PC50-16	VTT47D16	QV1-73	EV-1226

* Axial replacement for radial device.

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
C101	3 50V		DTZ-3R3	NP03P3	CND533	10TCC-V33
C102	.001 50V		DD-102		GP210	10TS-D10
C103	.01 50V		UK50-103		MAG5011	
C111	.01 50V		UK50-103		MAG5011	
C112A	.01 50V		UK50-103		MAG5011	
C112B	.001 50V		DD-102		GP210	10TS-D10
C113	.01 50V		UK50-103		MAG5011	
C114	.01 50V		UK50-103		MAG5011	
C121	270 50V		DTZ-270			10TCC-T27
C123	.01 50V		UK50-103		MAG5011	
C124	.01 50V		UK50-103		MAG5011	
C126	.01 50V		UK50-103		MAG5011	
C131	.01 50V		UK50-103		MAG5011	
C141	.01 50V		UK50-103		MAG5011	
C142	.01 50V		UK50-103		MAG5011	
C143	47 50V		DTZ-47	NP047	CND447	10TCC-Q47
C144	.01 50V		UK50-103		MAG5011	
C145	.0047 50V 10%			DPMS6D1	H192P4729R8	192P4729R8
C146	.001 50V 10%				EW1A210	1PB-D10
C148	.1 50V		CK-104		MAG5001	
C149	47 50V		DTZ-47	NP047	CND447	10TCC-Q47
C151	.01 50V		UK50-103		MAG5011	
C152	.01 50V		UK50-103		MAG5011	

ROBYN MODEL SB-540D

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
C154	2 50V 5 50V		DTZ-2R2 DTZ-4R7	NP02P2 NP04P7	CN0522 CN0547 MAG5011		10TCC-V22 10TCC-V47
C163	.01 50V		UK50-103		MAG5011		
C164	.01 50V		UK50-103		MAG5011		
C165	22 50V		DTZ-22	NP022	CN0422		10TCC-Q22
C171	.01 50V		UK50-103		MAG5011		
C175	.01 50V		UK50-103		MAG5011		
C180	.039 50V				M192P3939R8		192P3939R8
C181	.01 50V		UK50-103		MAG5011		
C182	5 50V		DTZ-4R7	NP04P7	CN0547		10TCC-V47
C183	330 50V 10%			CD15FD331J03	SX333	QW1-39	MWA-331
C186	.01 50V		UK50-103		MAG5011		
C188	.0047 50V				M192P4729R8		192P4729R8
C201	47 50V		DTN-47	N47	CN7447		10TCU-Q47
C212	.047 50V			DPMS2S47	EWFI1A147	QF1-171	1PB-S47
C213	.047 50V			DPMS2S47	EWFI1A147	QF1-171	1PB-S47
C214	.047 50V			DPMS2S47	EWFI1A147	QF1-171	1PB-S47
C215	.047 50V			DPMS2S47	EWFI1A147	QF1-171	1PB-S47
C216	.047 50V			DPMS2S47	EWFI1A147	QF1-171	1PB-S47
C221	.001 50V		DD-102		GP210		10TS-D10
C222	270 50V		DTZ-270				10TCC-T27
C231	.0033 50V				H192P3329R8		192P3329R8
C241	.01 50V		UK50-103		MAG5011		
C242	.01 50V		UK50-103		MAG5011		
C251	.01 50V		UK50-103		MAG5011		
C252	.01 50V		UK50-103		MAG5011		
C253	10 50V		DTZ-10	NP010	CN0410		10TCC-Q10
C271	100 50V		DTZ-100	NP0100	CN0310		10TCC-T10
C315	.01 50V		UK50-103		MAG5011		
C316	.01 50V		UK50-103		MAG5011		
C317	.01 50V		UK50-103		MAG5011		
C322	.1 50V		CK-104		MAG5001		
C331	.1 50V			WMF05P1	EWFO5010		431P1049R5
C332	.0047 50V			WMF05P1	EWFO5010		431P1049R5
C333	.01 50V		UK50-103		M192P4729R8		192P4729R8
C334	.001 50V			DPMS6D1	MAG5011	QF1-1	1PB-D10
C341	.01 50V		UK50-103		EWFI1A210		
C371	7 50V		DTZ-6R8	NP06P8	MAG5011		10TCC-V68
C373	.01 50V		UK50-103		CN0568		
C375	.01 50V		UK50-103		MAG5011		
C376	.01 50V		UK50-103		MAG5011		
C377	.01 50V		UK50-103		MAG5011		
C378	.01 50V		UK50-103		MAG5011		
C381	.01 50V		UK50-103		MAG5011		
C391	.022 50V				H192P2239R8		192P2239R8
C392	.001 50V		DD-102		GP210		10TS-D10
C394	56 50V				CN0456		10TCC-Q56
C395	.1 50V			WMF05P1	EWFO5010		431P1049R5
C396	.01 50V		UK50-103		MAG5011		
C398	.1 50V		CK-104		MAG5001		
C402	.022 50V				H192P2239R8		192P2239R8
C403	.01 50V		UK50-103		MAG5011		
C410	22 50V		DTZ-22	NP022	CN0422		10TCC-Q22
C411	3 50V		DTZ-3R3	NP03P3	CN0533		10TCC-V33
C412	100 50V		DTZ-100	NP0100	CN0310		10TCC-T10
C413	.01 50V		UK50-103		MAG5011		
C414	47 50V		DTZ-47	NP047	CN0447		10TCC-Q47
C415	150 50V		DTZ-150		CN0315		10TCC-T15
C416	.01 50V		UK50-103		MAG5011		
C417	3 NPO 50V		DTZ-3R3	NP03P3	CN0533		10TCC-V33
C418	100 50V 10%			CD15FD101J03	SX310	QW1-27	MWA-101
C419	100 50V 10%			CD15FD101J03	SX310	QW1-27	MWA-101
C421	.01 50V		UK50-103		MAG5011		
C422	.01 50V		UK50-103		MAG5011		
C423	.01 50V		UK50-103		MAG5011		
C424	100 50V 10%			CD15FD101J03	SX310	QW1-27	MWA-101
C425	.01 50V		UK50-103		MAG5011		
C431	220 50V		DTZ-220				10TCC-T22
C432	.01 50V		UK50-103		MAG5011		
C434	.01 50V		UK50-103		MAG5011		
C435	.01 50V		UK50-103		MAG5011		
C441	220 50V		DTZ-220				10TCC-T22
C442	.01 50V		UK50-103		MAG5011		
C443	560 50V			CD19FD561J03	MAG5011		
C444	100 50V			CD15FD101J03	SX356	QW1-27	MWC-561
C445	.01 50V		UK50-103		SX310		MWA-101
	680 50V 10%			CD19FD681J03	MAG5011		
C451	68 50V			CD15ED680J03	SX368	QW1-23	MWC-681
C452	150 50V 10%			CD15FD151J03	SX468	QW1-31	MWA-680
C453	.01 50V		UK50-103		SX315		MWA-151
	.01 50V		UK50-103		MAG5011		
	.1 50V		CK-104		MAG5001		
C454	330 50V			CD15FD331J03	SX333	QW1-39	MWA-331
C455	680 50V			CD19FD681J03	SX368		MWC-681
	560 50V			CD19FD561J03	SX356		MWC-561
C457	270 50V			CD15FD271J03	SX327	QW1-37	MWB-271
C458	47 50V			CD15ED470J03	SX447	QW1-19	MWA-470
C459	47 50V			CD15ED470J03	SX447	QW1-19	MWA-470
	68 50V			CD15ED680J03	SX468	QW1-23	MWA-680
C460	.1 50V		CK-104		MAG5001		
C461	1 50V				CN0510		10TCC-V10
C462	3 NPO 50V		DTZ-3R3	NP03P3	CN0533		10TCC-V33
C465	.047 50V			DPMS2S47	EWFI1A147	QF1-171	1PB-S47
C466A	.01 50V		UK50-103		MAG5011		
C471	.01 50V		UK50-103		MAG5011		
C474	.01 50V		UK50-103		MAG5011		
C481	3 50V		DTZ-3R3	NP03P3	CN0533		10TCC-V33
C482	.1 50V		CK-104		MAG5001		
C511	.01 50V		UK50-103		MAG5011		
C512	.01 50V		UK50-103		MAG5011		

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
C514	22 50V		DTZ-22	NP022	CN0422		10TCC-Q22
C517	.01 50V		UK50-103		MAG5011		
C521	.01 50V		UK50-103		MAG5011		
C522	270 50V		DTZ-270				10TCC-T27
C524	.068 50V			WMF1S68	EWF1A168	QF1-195	1PB-S68
C526	180 50V		DTZ-180				10TCC-T18
C528	.068 50V			WMF1S68	EWF1A168	QF1-195	1PB-S68
C573	7 50V			CD15CD070D03	SX315	QW1-4	MWA-070
C574	150 50V			CD15FD151J03	SX333	QW1-31	MWA-151
C575	330 50V			CD15FD331J03	MAG5011	QW1-39	MWA-331
C576	.01 50V		UK50-103		MAG5011		
C578	.01 50V		UK50-103		MAG5011		
C581	5 50V		DTZ-4R7	NP04P7	CN0547		10TCC-V47
	3 50V		DTZ-3R3	NP03P3	CN0533		10TCC-V33
C582	.01 50V		UK50-103		MAG5011		
C583	47 50V		DTZ-47	NP047	CN0447		10TCC-Q47
C584	3 NPO 50V		DTZ-3R3	NP03P3	CN0533	10TCC-V33	
	5 50V		DTZ-4R7	NP04P7	CN0547		10TCC-V47
	22 50V		DTZ-22	NP022	CN0422		10TCC-Q22
C585	.01 50V		UK50-103		MAG5011		
C591	.01 50V		UK50-103		MAG5011		
C592	.01 50V		UK50-103		MAG5011		
C601	.01 50V		UK50-103		MAG5011		
C602	.01 50V		UK50-103		MAG5011		
C603	.01 50V		UK50-103		MAG5011		
C611A	.01 50V			WMF1S1	EWF1A110	QF1-91	1PB-S10
C611B	47 50V		DTZ-47	NP047	CN0447		10TCC-Q47
C612	220 50V			CD15FD221J03	SX322	QW1-35	MWA-221
C613	22 50V			CD15ED220J03	SX422	QW1-11	MWA-220
C614	47 50V			CD15ED470J03	SX447	QW1-19	MWA-470
C615	.01 50V		UK50-103		MAG5011		
C616	3 NPO 50V		DTZ-3R3	NP03P3	CN0533		10TCC-V33
C621	22 50V		DTZ-22	NP022	CN0422		10TCC-Q22
C622	220 50V		DTZ-220				10TCC-T22
C623	.01 50V		UK50-103		MAG5011		
C624	.01 50V		UK50-103		MAG5011		
C625	.01 50V			WMF1S1	EWF1A110	QF1-91	1PB-S10
C626	39 50V			CD15ED390J03	SX439	QW1-17	MWA-390
C629	.01 50V		UK50-103		MAG5011		
C630	.01 50V		UK50-103		MAG5011		
C631	7 50V			CD15CD070D03		QW1-4	MWA-070
	12 50V			CD12CD120J03		QW1-7	MWA-120
C632	.01 50V		UK50-103		MAG5011		
C633	.01 50V		UK50-103		MAG5011		
C634	150 50V 10%			CD15FD151J03	SX315	QW1-31	MWA-151
C635	330 50V 10%			CD15FD331J03	SX333	QW1-39	MWA-331
C636	.01 50V		UK50-103		MAG5011		
C637	3 NPO 50V		DTZ-3R3	NP03P3	CN0533		10TCC-V33
C641	.01 50V		UK50-103		MAG5011		
C642	.01 50V		UK50-103		MAG5011		
C651	.01 50V		UK50-103		MAG5011		
C652	.01 50V		UK50-103		MAG5011		
C662A	33 50V		DTZ-33	NP033	CN0433		10TCC-Q33
C662B	47 50V		DTZ-47	NP047	CN0447		10TCC-Q47
C671	.01 50V		UK50-103		MAG5011		
C682	.01 50V		UK50-103		MAG5011		
C684	22 50V			CD15ED220J03	SX422	QW1-11	MWA-220
C685	100 50V			CD15F0101J03	SX310	QW1-27	MWA-101
C688	.01 50V		UK50-103		MAG5011		
C701	56 50V				CN0456		10TCC-Q56
C901	56 50V				CN0456		10TCC-Q56
C911	.01 50V		UK50-103		MAG5011		
C912	.01 50V		UK50-103		MAG5011		
C913	.01 50V		UK50-103		MAG5011		
C914	.01 50V		UK50-103		MAG5011		
C915	.01 50V		UK50-103		MAG5011		
C916	.01 50V		UK50-103		MAG5011		
C917	.001 50V		DD-102		GP210		10TS-D10
C918	.001 50V		DD-102		GP210		10TS-D10
C919	.001 50V		DD-102		GP210		10TS-D10
C920	.001 50V		DD-102		GP210		10TS-D10
C922	.1 50V		CK-104		MAG5001		
C991	.001 50V		DD-102		GP210		10TS-D10
C992	.001 50V		DD-102		GP210		10TS-D10
C993	.001 50V		DD-102		GP210		10TS-D10
C994	.001 50V		DD-102		GP210		10TS-D10
C995	.01 50V		UK50-103		MAG5011		
C996	.001 50V		DD-102		GP210		10TS-D10
C997	.001 50V		DD-102		GP210		10TS-D10
VC571	20	540088					
VC631	10	540100					
VC684	20	540088					

ROBYN MODEL SB-540D

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	Fine Tune/Clarifier	50K	540041	B16-119		
VR111	RF Gain	10K	540037	F2-10K,SSK104	RU14A,SL36,SL3250	BU1 (1),CF61,SS1,DC1
VR151	S Meter	10K	RS1033			U260R103B
VR171	Squelch Range	50K	RS5033			U260R503B
VR172	Squelch	50K	701006	F1-50K (1),SSK104	RU54L,SL36,SL3250	BU1 (1),CF12,SS1,DC1
VR181	Volume	10K	540038	F2-10K (1),SSK104	RU14A,SL36,SL3250	BU1 (1),CF61,SS1,DC1
VR311	AM ALC	10K	RS1033			U260R103B
VR312	SSB ALC	10K	RS1033			U260R103B
VR313	Mic Gain	10K	540038	F2-10K (1),SSK104	RU14A,SL36,SL3250	BU1 (1),CF61,SS1,DC1

PARTS LIST AND DESCRIPTION (CONTINUED)

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

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

ITEM No.	FUNCTION	RESISTANCE	REPLACEMENT DATA			
			MFGR. PART No.	CENTRALAB PART No.	MALLORY PART No.	TRW PART No.
VR341	AM Mic Gain	10K	RS1033			U260R103B
VR342	SSB Mic Gain	200	RS2013			
VR371	Carrier Balance	10K	RS1033			U260R103B
VR481	RF Power Meter	10K	RS1033			U260R103B
VR531	AM Power	470	540073			U260R501B
VR601	SWR CAL	10K	540037	F1-10K (1), SSK104	RU14L,SL36,SL3250	BU1 (1),CF9,SS1,DC1
VR602	CAL	1000	RS1023			
VR641	Clarifier/Sw	50K	540040			
VR931	Voltage	200	RS2013			

(1) Enlarge mounting hole.

COILS (RF-IF)

ITEM No.	FUNCTION	REPLACEMENT DATA			REMARKS
		PART No.	OTHER IDENTIFICATION	MILLER PART No.	
L101	Receive Antenna (27MHz)	LL0181	HEL-0614		
L102	Receive Antenna (27MHz)	LL0182	HEL-0615		
L111	RF Amp (27MHz)	LL0183	HEL-0616		
L121	Mixer (10.6935MHz)	LL0184	HEL-0617		
L141	IF (10.6935MHz)	LL0185	HEL-0670		
L151	RF Choke (470uH)	LL0072			
L201	Noise Blanker (27MHz)	LL0186	HEL-0681		
L211	Noise Blanker	LL0187	HEL-0682		
L221	RF Choke (10mH)	LL0188			
L371	Balance Modulator	LL0189	HEL-0622		
L411	Carrier Gate (10.6935MHz)	LL0190	HEL-0623A		
L412	XMT Mixer (27MHz)	LL0191	HEL-0601A		
L413	XMT Mixer (27MHz)	LL0192	HEL-0602A		
L421	XMT Amp (27MHz)	LL0193	HEL-0603B		
L431	XMT Pre-Driver (27MHz)	LL0194	HEL-0624		
L441	RF Choke (1uH)	LL0070			
L442	XMT Driver (27MHz)	LL0195	HEL-0553		
L443	RF Choke	LL0031	HEL-0299		
L451	RF Choke (27MHz)	LL0070			
L452	RF Choke	LL0031	HEL-0299		
L453	RF Choke	LL0031	HEL-0299		
L454	Final (27MHz)	LL0195	HEL-0553		
L455	Loading Final (27MHz)	LL0196	HEL-0584		
L456	Antenna Matching	LL0196	HEL-0584		
L457	TVI Trap (54MHz)	LL0195	HEL-0553		
L511	Carrier Gate (10.6935MHz)	LL0197	HEL-0673A		
L571	Carrier Osc	LL0198	HEL-0686		
L611	VCO	LL0190	HEL-0623A		
L621	Buffer (16MHz)	LL0190	HEL-0623A		
L631	Clarifier Switch (16.5115MHz)	LL0199	HEL-0675		
L632	Clarifier Switch (16.2690MHz)	LL0200	HEL-0675		
L661	RF Choke (100mH)	LL0071			
L911	RF Choke	LL0015	HEL-0555		
L913	RF Choke	LL0015	HEL-0555		
L991	RF Choke	LL0015	HEL-0560		
L992	RF Choke	LL0015	HEL-0560		
L993	RF Choke	LL0015	HEL-0560		
L994	RF Choke	LL0015	HEL-0560		
L995	RF Choke	LL0015	HEL-0560		
L996	RF Choke	LL0015	HEL-0560		

FILTER CHOKE

ITEM No.	RATINGS			REPLACEMENT DATA			NOTES
	CURRENT (Measured)	DC RES.	INDUCTANCE (O CURRENT 1000~)	MFGR. PART No.	THORDARSON PART No.	TRIAD PART No.	
T7	.23A	.1	.6mH	540087			
L541	1.7A	.1	.6mH	540087			
L912	4A	.1	.6mH	540087			

TRANSFORMER (Power)

ITEM No.	RATING		REPLACEMENT DATA			NOTES
	PRI.	SEC. 1	MFGR. PART No.	THORDARSON PART No.	TRIAD PART No.	
T1	120V AC @ .9A AC	17.80V AC @ 5.5A AC @ 4.2A DC	540086			

TRANSFORMER (Audio Output)

ITEM No.	IMPEDANCE		REPLACEMENT DATA			NOTES
	PRI.	SEC.	MFGR. PART No.	THORDARSON PART No.	TRIAD PART No.	
T2	32	8	540085			

PARTS LIST AND DESCRIPTION (CONTINUED)

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

SPEAKER

ITEM No.	TYPE	REPLACEMENT DATA		NOTES
		MFGR. PART No.	QUAM PART No.	
SP	3 1/2" PM 8 Ohms	240018	3A0528	

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	1A @ 250V Quick-Acting	500013	520025	AGC1	HKP	312001	342013A1	FG1-2
F3	3A @ 32V Quick-Acting	510026	Part of DC Power Cord	AGC3	HRK	312003	150145	FG3-2

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	540067				18-094						

MIC includes remote Fine Tuning/Clarifier.

MISCELLANEOUS

ITEM No.	PART NAME	PART No.	NOTES
D810	LED	DN1260	Channel Ind. (Each segment supplied 1.97V @ 19mA)
D910	LED	DX2037	AM (Each segment supplied 1.98V @ 7.0mA)
D907	LED	DLR103	PM (Each segment supplied 1.97V @ 9.0mA)
D908	LED	DPG103	XMT TLR103 (1.97V @ 10.5mA) Red
FL-1	Filter	540043	Rec TL6103 (1.97V @ 18.3mA) Green
J1	Connector	510045	10.6935MHz
J2	Jack	410010	Antenna
J3	Jack	110015	Mic
J5	Jack	540076	Power DC
J6	Jack	110018	Phone
J7	Jack	110018	Ext. Speaker
K1	Switch	540074	PA Speaker
K2	Switch	540075	Relay
M1	Meter	540065	Relay
M2	Meter	540066	S/R/F
P4	Plug	520017	SWR
PL1	Lamp	240035	AC
PL2	Lamp	240035	S/R/F (13.60V @ 75mA)
S1	Switch	540079	SWR (13.60V @ 75mA)
S2	Switch	540079	Power
S3	Switch	540082	AC/DC
S4	Switch	540081	Power DC
S5	Switch	540040	Mode (AM/LSB/USB)
S6	Switch	540084	Clarifier
S7	Switch	540084	Noise Blanking/Off
S8	Switch	540084	Tone Hi/Low
S9	Switch	540084	PA/CB
S10	Switch	540084	Speaker Int/Ext
S11	Switch	540080	Meter SWR
S12	Switch	540080	Clock (Fast)
S6-10	Switch Bank	540083	Clock (Slow)
S101	Switch	540057	Complete
S101	Switch	540058	Keyboard-"A" Type
X571	Crystal	XD6960	Keyboard-"B" Type
X631	Crystal	XH3630	10.696MHz
X681	Crystal	XR2400	15.363MHz
	Cord	520017	10.240MHz
	Cord	540042	AC
	P.C. Board	540003	DC
	P.C. Board	540001	Channel Display
	P.C. Board	540057	Clock Circuit
	P.C. Board	540058	Key-"A" Type
	P.C. Board	540007	Key-"B" Type
	P.C. Board	540009	Main
	P.C. Board	540008	Microprocessor
	P.C. Board	540010	Mic Preamp
	P.C. Board	540011	PLL
	P.C. Board	540012	Power Supply
	P.C. Board		SWR Bridge

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

ITEM	PART No.	ITEM	PART No.
Cabinet, Bottom	540031	Knob, Control-"A" Type	540059
Cabinet, Front-"A" Type	540046	Knob, Control-"B" Type	540060
Cabinet, Front-"B" Type	540047	Knob, Power	540024
Cabinet, Top	540032	Knob, SWR/CAL	540061
Handle-"A" Type	540049	Pushbutton, Switch (5 used)	540021
Handle-"B" Type	540050	Pushbutton, Fast/Slow	540023

WIRING DATA

Cable (Speaker) (Unshielded).....	Use BELDON No. 8782 (AWG24) (4 colors)
Shielding Strap.....	Use BELDON No. 8660 (3/16" width)
Hook-up Wire (General Use).....	Use BELDON No. 8524 (AWG22) (13 colors)
Hook-up Wire (Shielded).....	Use BELDON No. 8401 (Braided Shield) (1 conductor) (AWG25)
	Use BELDON No. 8421 (Spiral Shield) (1 conductor) (AWG25)
	Use BELDON No. 8737 (Spiral Shield) (2 conductor) (AWG22)
Coax (Transmission Line)	Use BELDON No. 8216 (RG-174/U, 50 ohms)
AC Power Cord	Use BELDON No. 17106 (6 ft.) (2 conductors)
AC Power Cord	Use BELDON No. 17109 (9 ft.) (2 conductors)

ROBYN MODEL SB-540D

**Listing all models/chassis covered in
PHOTOFACT CB (Citizens Band) Series volumes**

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