

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 79-892

MANUFACTURER'S SPECIFICATIONS

GENERAL

Circuitry:	5 IC, 43 Transistors, 2 FETs, 51 Diodes, 1 Vari-cap
Frequency Control:	PLL (Phase Lock Loop) Synthesizing System
Channels:	40 channels all installed
Mode of Operations:	AM, Lower Sideband, Upper Sideband
Controls:	RF Gain, Volume/PA, Squelch Controls, LSB-USB-AM, Channel-Selector, PA-CB, NB-OFF, Tone Hi-Lo Switches
Jacks and Connectors:	Microphone, Antenna, PA speaker, External speaker, DC power connectors
Power Source:	DC 13.8 V
Speaker:	3" dynamic, 8 ohms
Microphone:	Dynamic CB microphone
PA Audio Output:	More than 3 W
Size:	2-1/2 (H) x 7-3/4 (W) x 9-1/2 (D) inches
Weight:	4.4 lbs
Accessories:	DC Power cord, Microphone, Mounting Bracket

RECEIVER

Receiving system:	Single conversion superheterodyne
Sensitivity:	SSB: More than 0.5 μ V (S/N 10 dB), AM: More than 1 μ V (S/N 10 dB)
Selectivity:	SSB: 2 KHz at 6 dB down, AM: 6 KHz at 6 dB down
Clarifier:	$\pm$ 800 Hz (receiving only)
Audio output power:	More than 3 W (into 8 ohm)
Squelch range:	1 μ V — 500 μ V (AM & SSB)
Intermediate Frequency:	SSB: 10.695 MHz AM: 1st/10.695 MHz 2nd/455 KHz

SSB TRANSMITTER

SBB Generation:	Balance Modulation
RF Output Power:	12 Watts PEP (F.C.C. Maximum)
Carrier Suppression:	More than 45 dB
Unwanted Sideband Suppression:	More than 60 dB
Harmonic Suppression:	More than 60 dB

AM TRANSMITTER

Modulation:	High Level
RF Output Power:	4.0 watts (F.C.C. Maximum)
Harmonic Suppression:	More than 60 dB

Courtesy of the Manufacturer

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

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MIDLAND MODEL 79-892

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:

T10, T13, T14, T15.....5009, 8728-A, 8728

T1 thru T5, T7, T9, T11, T12.....9440

CT1 thru CTS.....5000, 8276

L7, L11, L13, T6.....9091, 8728-A, 8728

SYNTHESIZER ALIGNMENT

TEST EQUIPMENT	TRANSCEIVER	ADJUST	REMARKS
Input of frequency counter to TP2.	Ch. 19, USB	CT3	Adjust for 10.24MHz $\pm$ 50Hz.
Input of oscilloscope to TP3.	Ch. 19, USB	T3	Adjust for maximum.
Input of frequency counter to TP 3.	Ch. 19, USB	CT1	Adjust for 20.105MHz $\pm$ 40Hz.
	Ch. 19, LSB Clarifier midrange.	CT2	Adjust for 20.1035MHz $\pm$ 40Hz.
Input of frequency counter to TP5.	Ch. 19, USB	CT5	Adjust for 10.695MHz $\pm$ 50Hz.
	Ch. 19, LSB	CT4	Adjust for 10.692MHz $\pm$ 50Hz.
Input of DC meter to TP1.	Ch. 1, USB	VCO	Adjust for 3.6 volt $\pm$ 0.1 volt.
Inject a 2400Hz 2.5mV signal at mic input.	Ch. 40, USB, Xmt	T1	Adjust for maximum.
Input of RF VTVM to antenna jack.	Ch. 1, USB, Xmt	T2	Adjust for maximum.

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.

SSB

TEST EQUIPMENT	TRANSCEIVER	ADJUST	REMARKS
Inject a 2400Hz, 2.5mV signal at MIC input.	Ch. 40, USB Ch. 1, USB	T4 T5	Adjust for maximum. Adjust for maximum.
Input of oscilloscope to TP10 (Emitter of Q7).	Ch. 19, USB	T11	Adjust for maximum.
Inject a 2400Hz, 25mV signal at MIC input.	Ch. 19, USB Ch. 19, USB	RV11	Turn core of T6 to top. Adjust RV11 for .150 volts p-p.
Inject a 2400Hz, 25mV signal at MIC input.	Ch. 19, USB	T6, L7, L11, L13	Adjust for maximum RF output.

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
Inject a 2400Hz, 2.5mV signal at MIC input. Connect a milliammeter between Q10 emitter and ground.	Ch. 19, USB	RV1	BIAS Adjust for 35mA $\pm$ 10mA.
RF wattmeter (See connection above). No signal input.	Ch. 19, USB	RV4, RV5	BALANCE Adjust for MINIMUM RF.
Output of 2 tone generator to MIC input 500Hz and 2400Hz. Output 25mV.	Ch. 19, USB	RV2	SSB Power Adjust for 10 watts.
Connect an RF wattmeter and 50-ohm, 25-watt dummy load to antenna connector.	Ch. 19, AM	VR4	AM POWER Adjust for 3.7 watts.
Modulation meter to antenna jack. Inject a 2500Hz, 25mV signal at MIC input.	Ch. 19, AM	RV12	AMC Adjust for 95% modulation.
Connect an RF wattmeter and 50-ohm, 25-watt dummy load to antenna connector.	Ch. 19, AM	RV3	RF METER Adjust RV3 so that RF panel meter agrees with RF wattmeter.

MIDLAND MODEL 79-892

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.

AM

TEST EQUIPMENT	TRANSCIVER	ADJUST	REMARKS
Output of signal generator thru .01uF to TP11 (Junction T13 & D22). 455kHz, 1000Hz @ 30% modulation.	Ch. 19, AM Clarifier Midrange RF Gain Maximum Squelch MINIMUM NB-Off	T14, T15	Adjust for maximum output.
Output of signal generator thru .01uF to antenna jack. 27.185MHz, 1000Hz @ 30% modulation.	Ch. 19, AM Clarifier Midrange RF Gain Maximum Squelch MINIMUM NB-Off	T13, T10, T9, T8, T7	Adjust for maximum output. Repeat above steps, if necessary.

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.

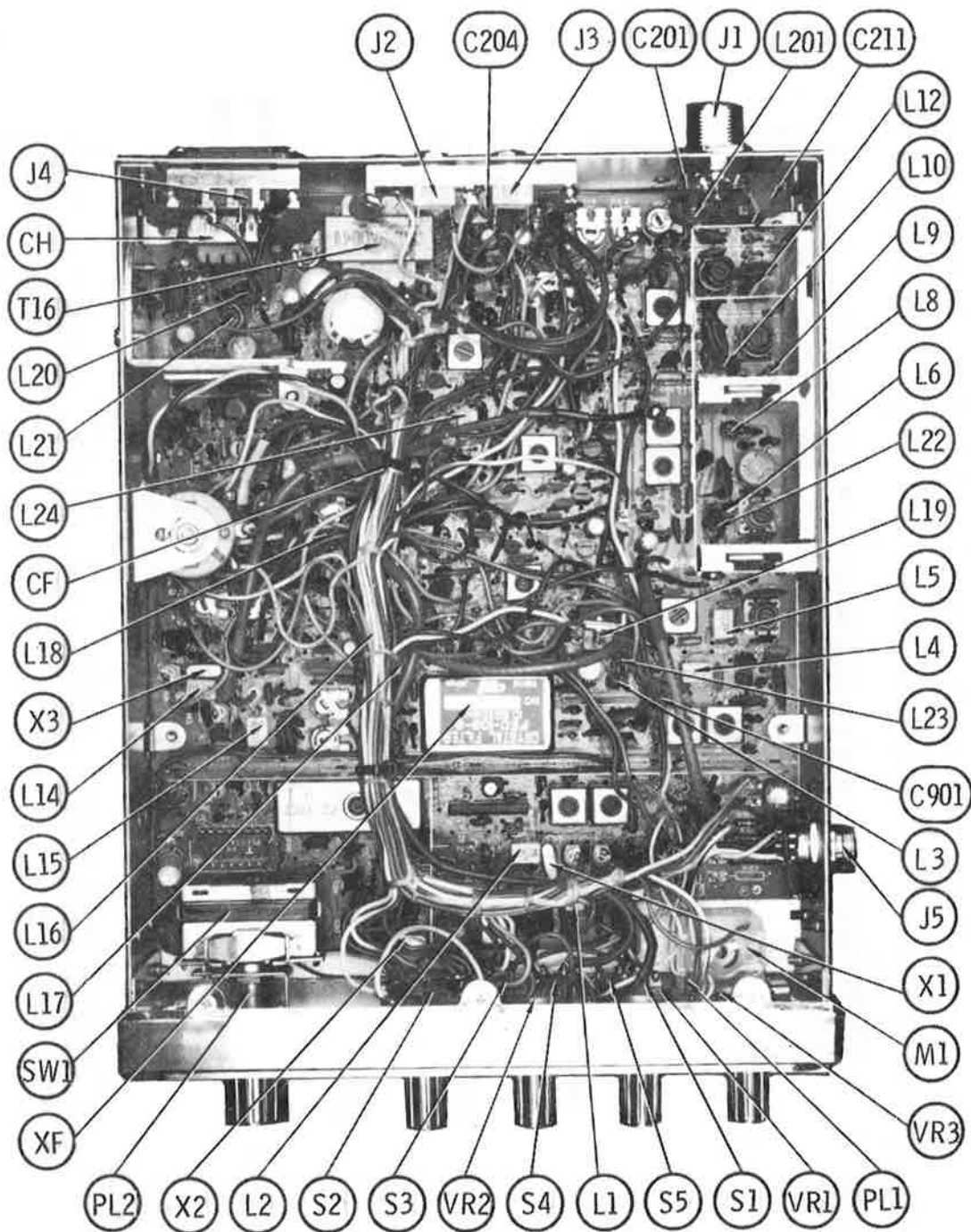
SSB

TEST EQUIPMENT	TRANSCEIVER	ADJUST	REMARKS
Output of signal generator thru .01uF to antenna jack. 27.186MHz, no modulation.	Ch. 19, USB Clarifier Midrange RF Gain Maximum Squelch MINIMUM NB-Off	T12	Adjust for maximum output.

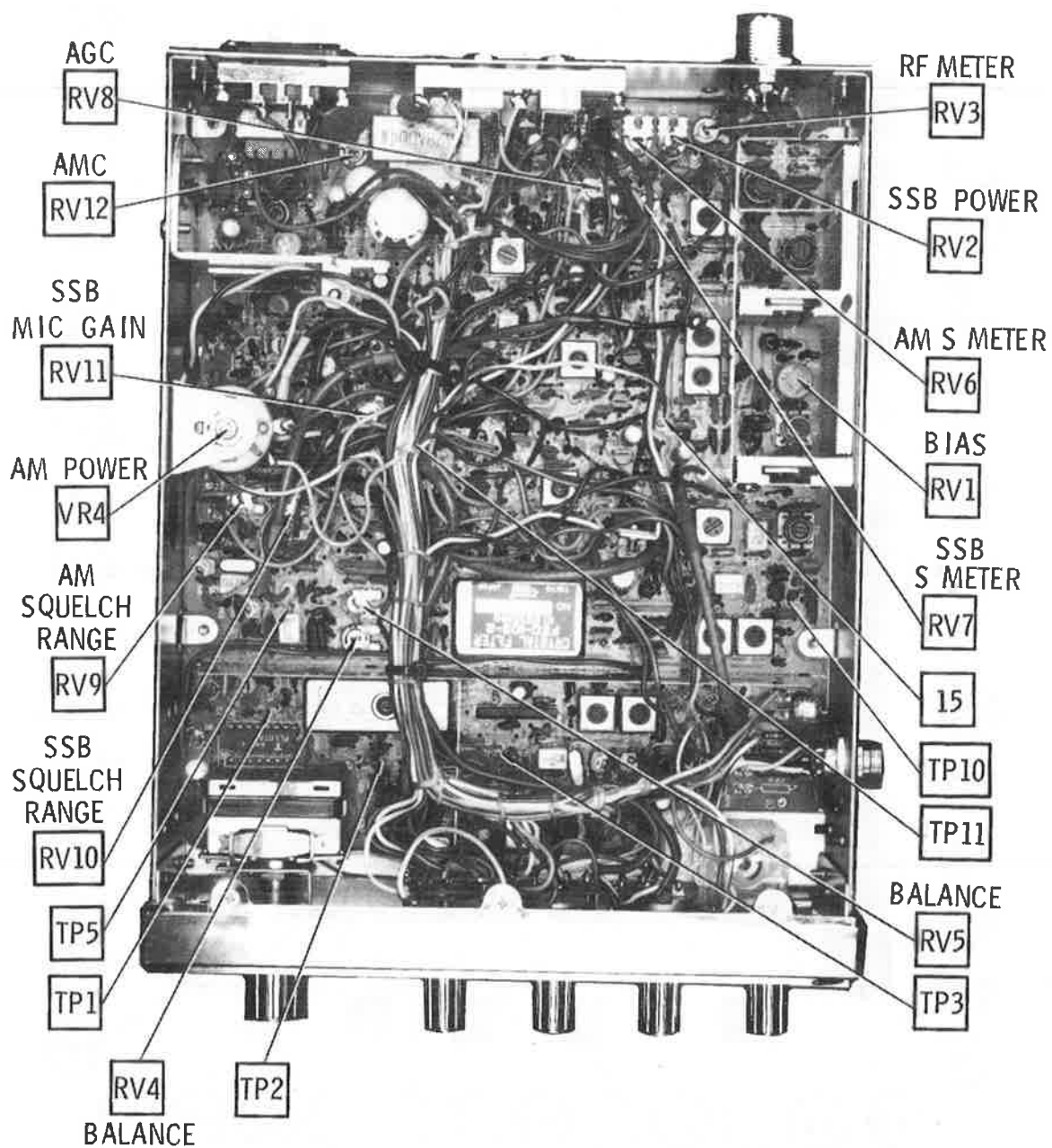
RECEIVER ADJUSTMENTS

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

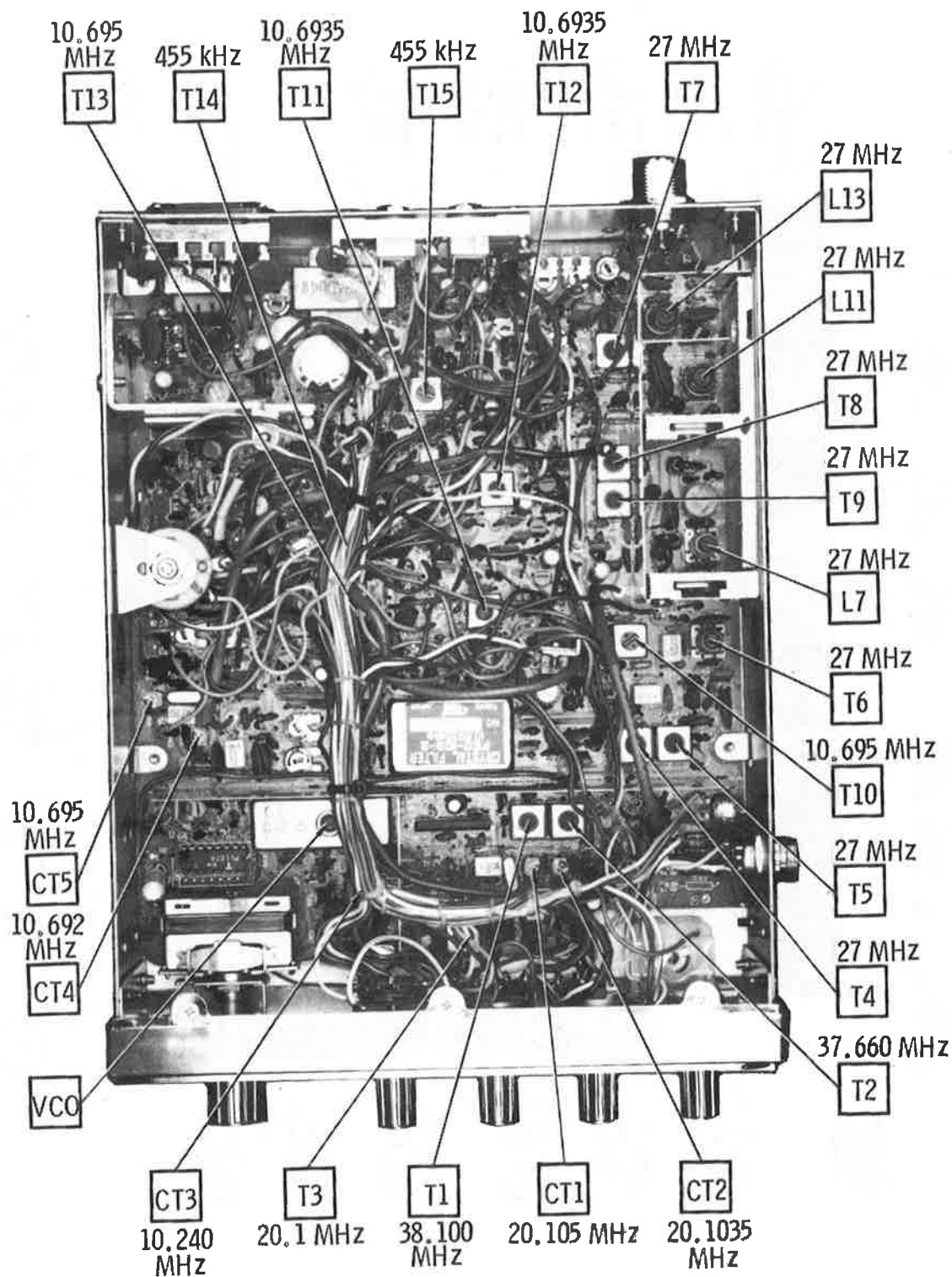
TEST EQUIPMENT	TRANSCEIVER	ADJUST	REMARKS
Input of DC meter to terminal 15 No signal input.	Ch. 19, USB RF Gain Maximum Squelch MINIMUM NB-Off	RV8	SSB AGC Adjust RV8 for 2 volts.
Output of signal generator thru .01uF to antenna jack. 27.185MHz, 1000Hz @ 30% modulation. Output 500uV.	Ch. 19, AM RF Gain Maximum NB-Off	RV9	AM SQUELCH RANGE Set squelch Control VR2 fully clockwise. Adjust RV9 so that squelch just breaks.
Output of signal generator thru .01uF to antenna jack. 27.186MHz, no modulation. Output 500uV.	Ch. 19, USB RF Gain Maximum NB-Off	RV10	SSB SQUELCH RANGE Set Squelch Control VR2 fully clockwise. Adjust VR10 so that squelch just breaks.
Output of signal generator thru .01uF to antenna jack. 27.185MHz, 1000Hz @ 30% modulation. Output 100uV.	Ch. 19, AM RF Gain MINIMUM NB-Off	RV6	AM S METER Adjust RV6 for 9 on S scale of meter.
Output of signal generator thru .01uF to antenna jack. 27.186MHz, no modulation. Output 100uV.	Ch. 19, USB RF Gain MINIMUM NB-Off	RV7	SSB S METER Adjust RV7 for 9 on S scale of meter.



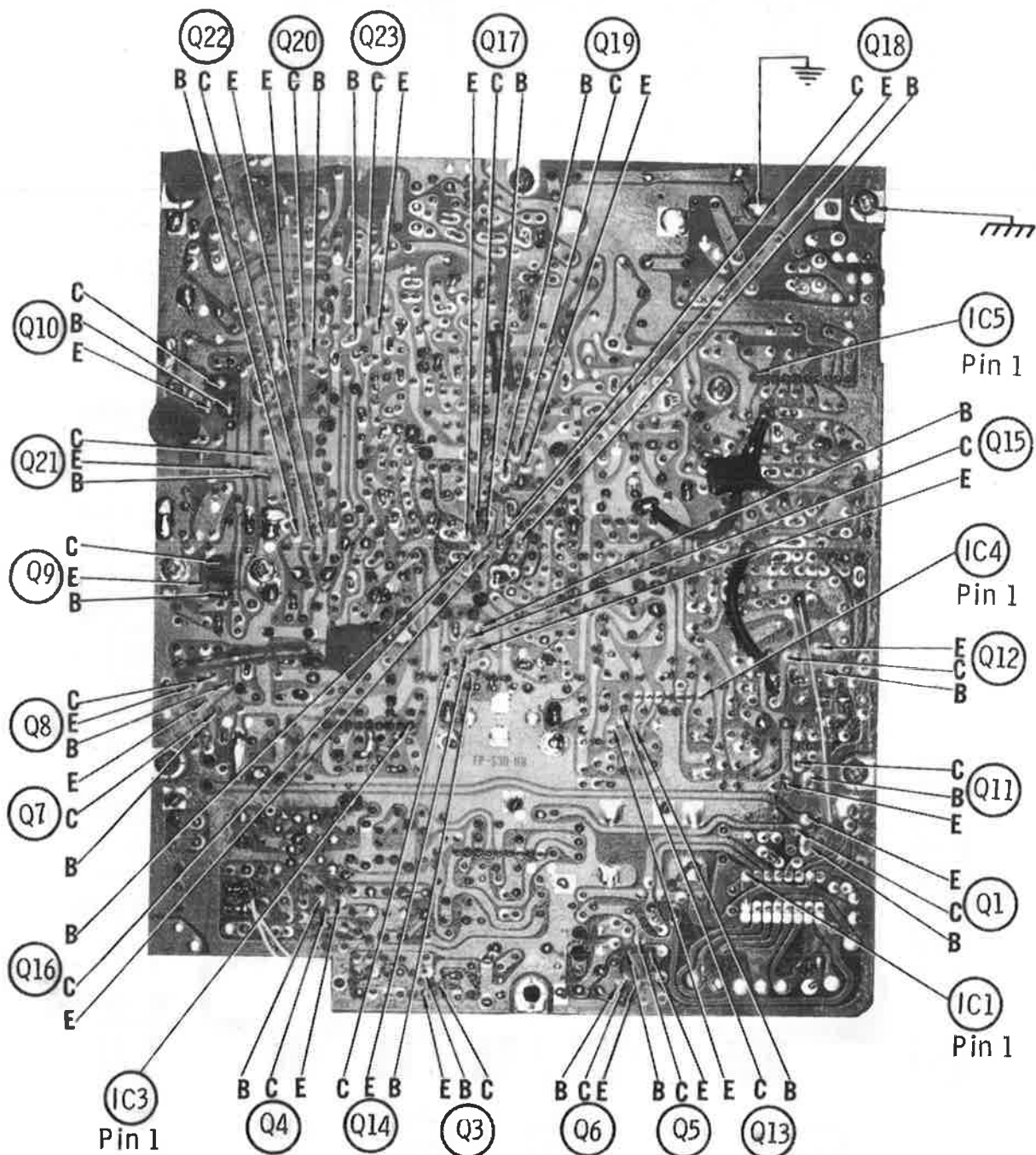
CHASSIS - BOTTOM



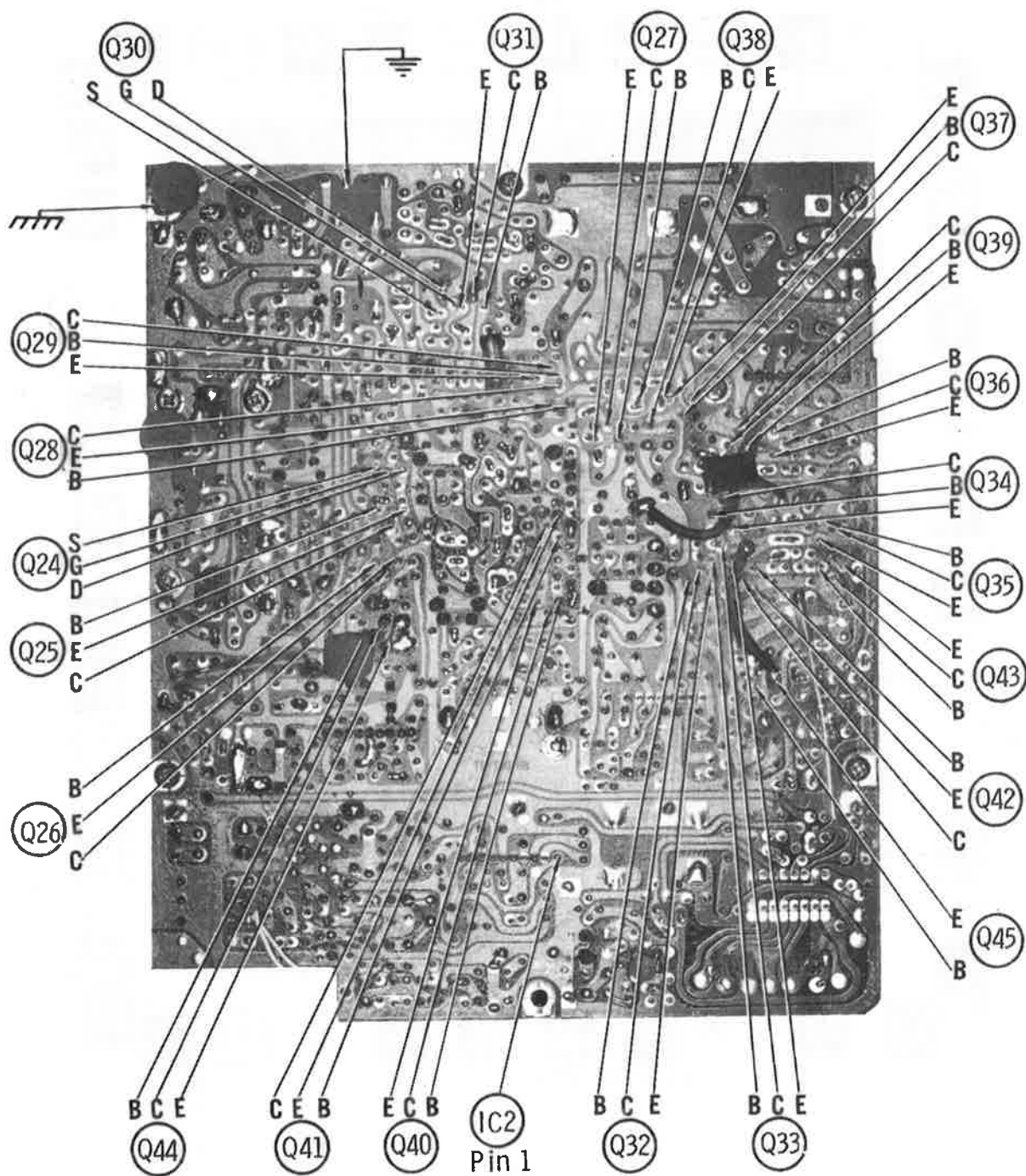
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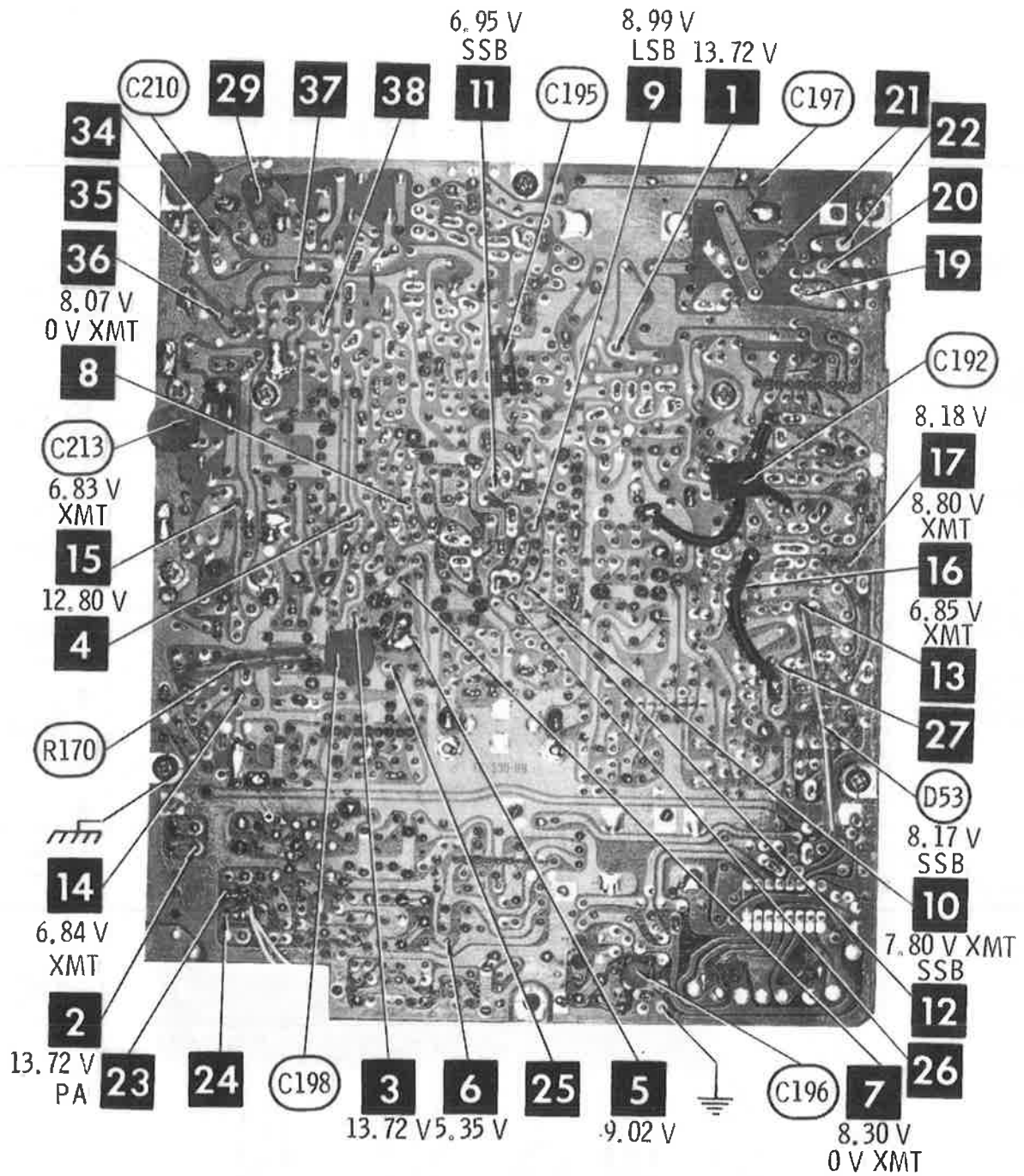
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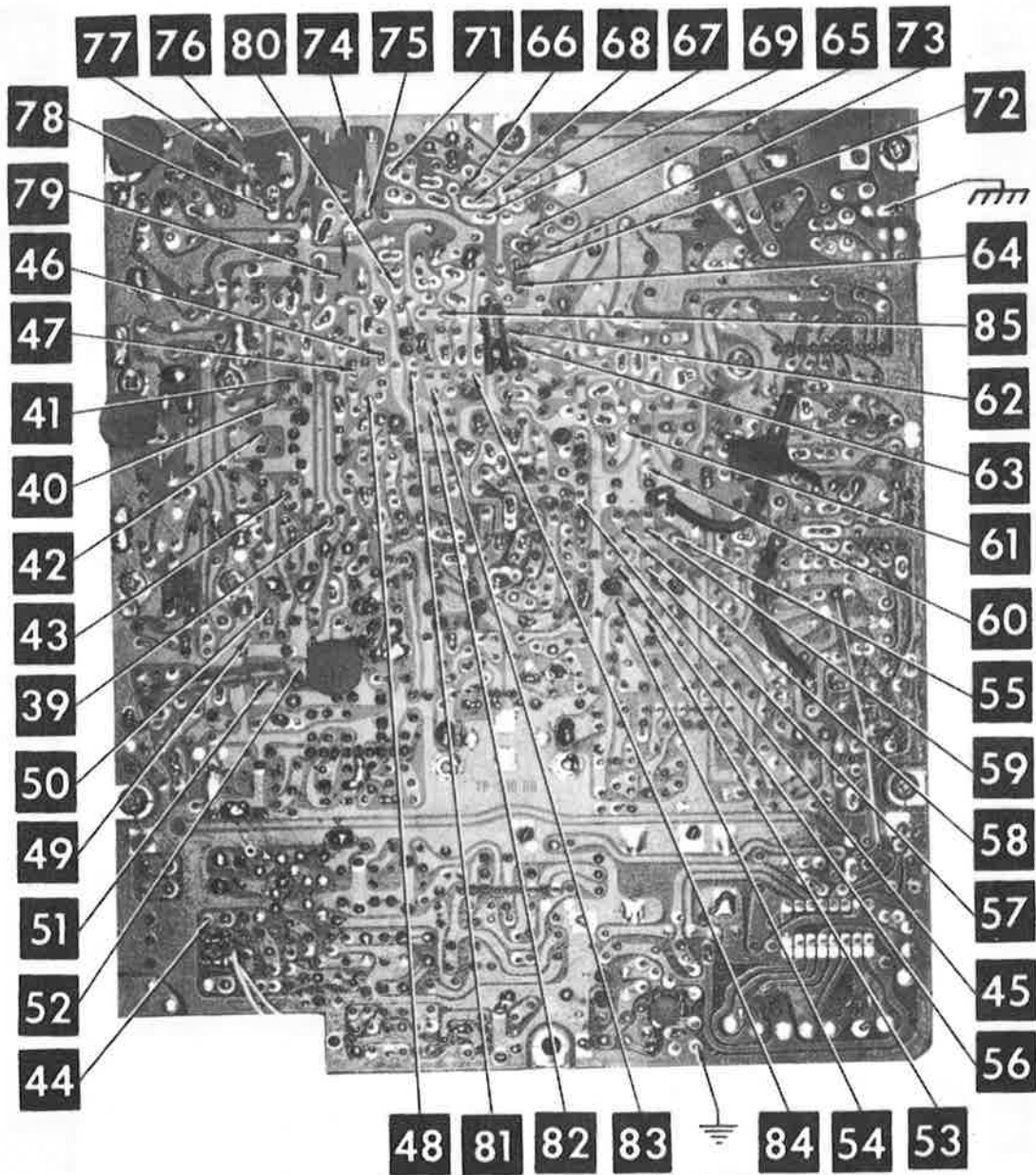
MAIN BOARD



MAIN BOARD

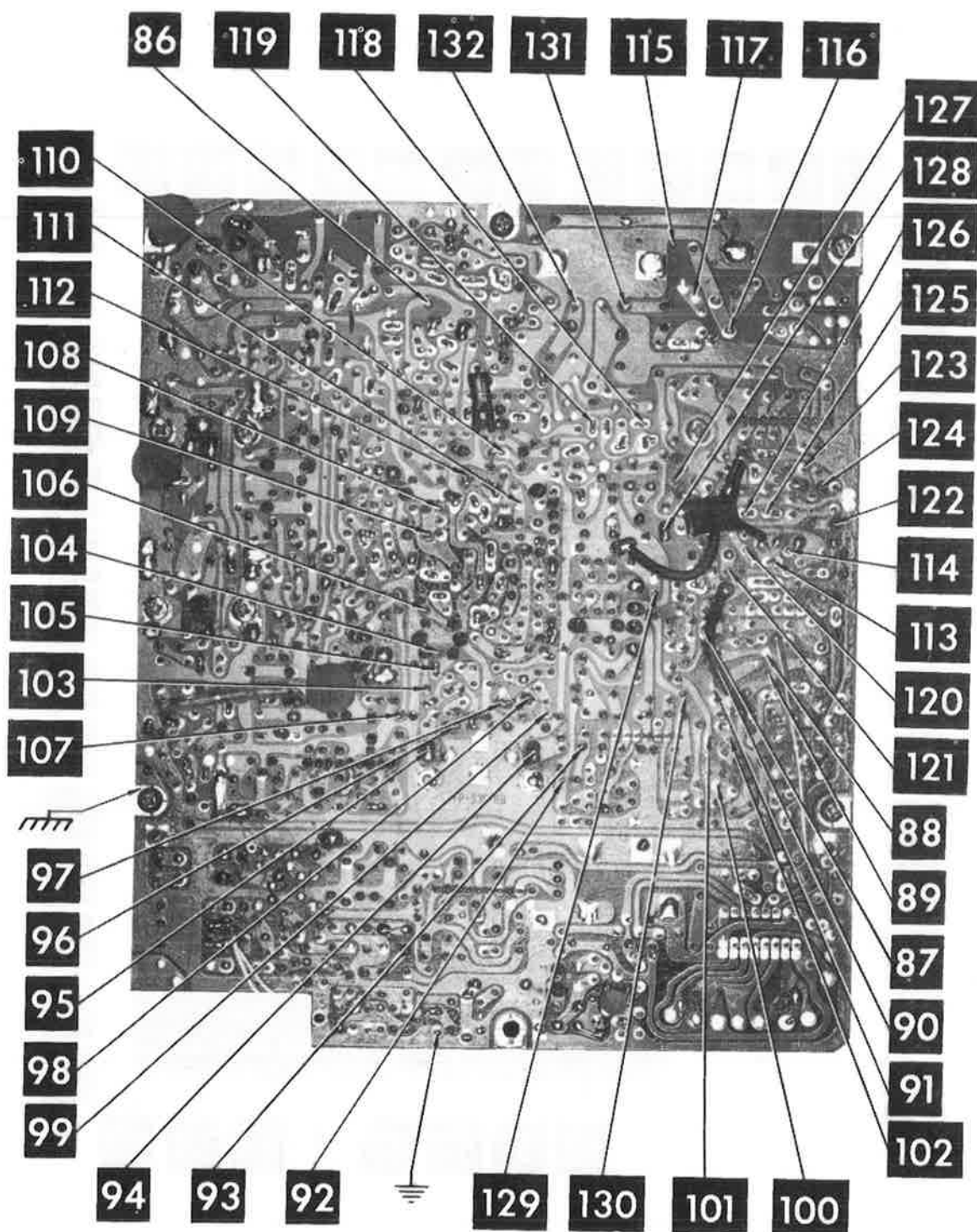


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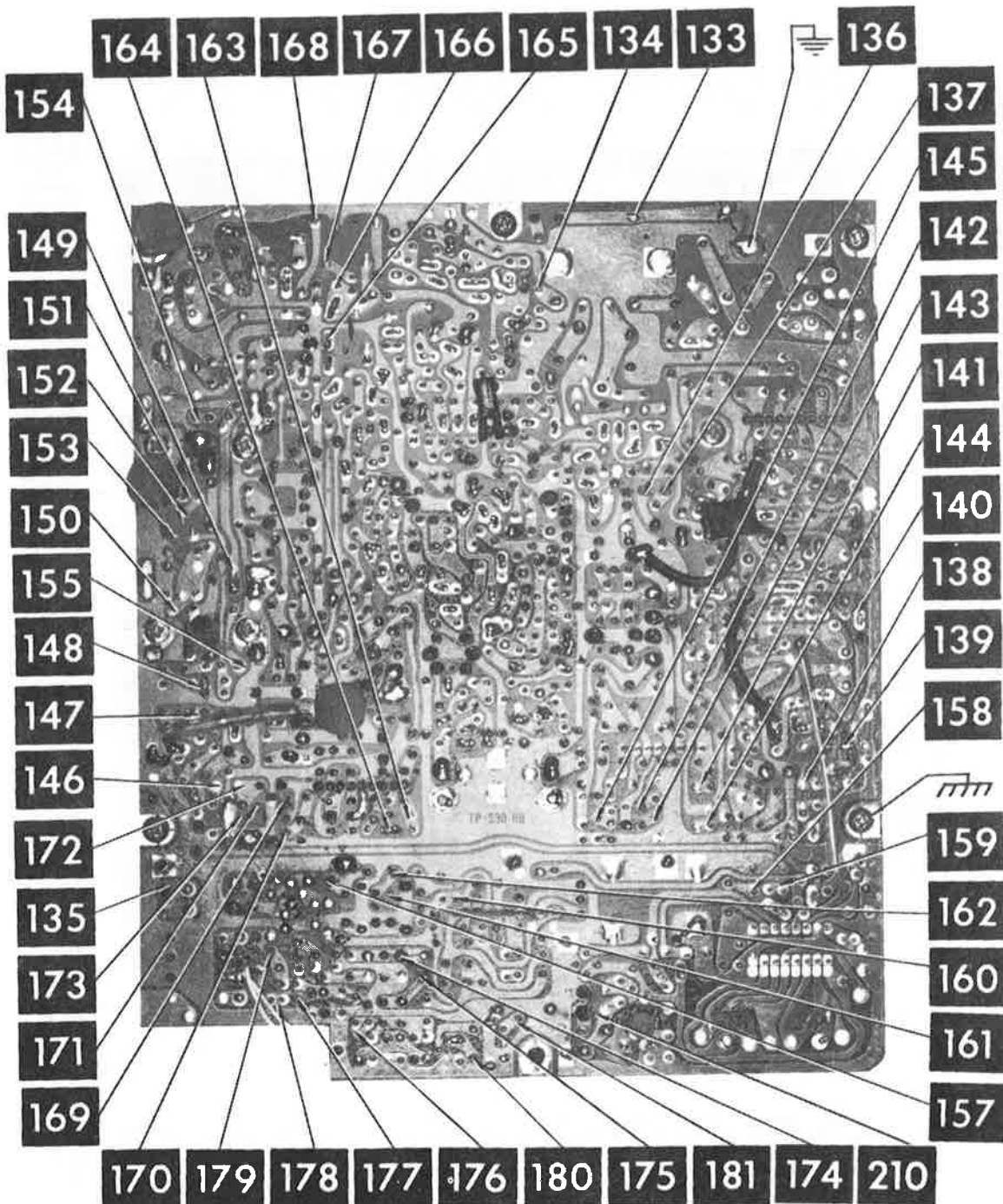


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MAIN BOARD

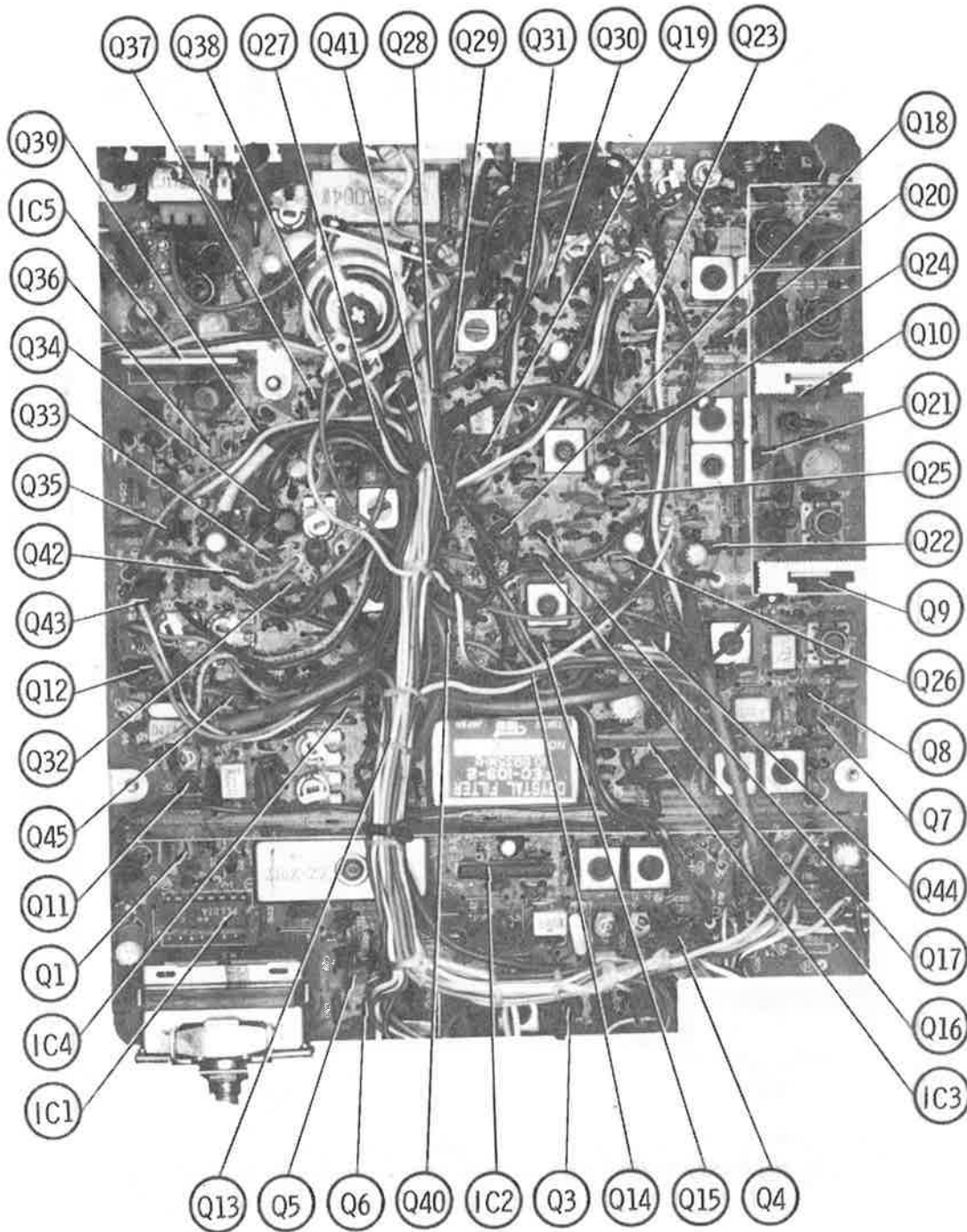


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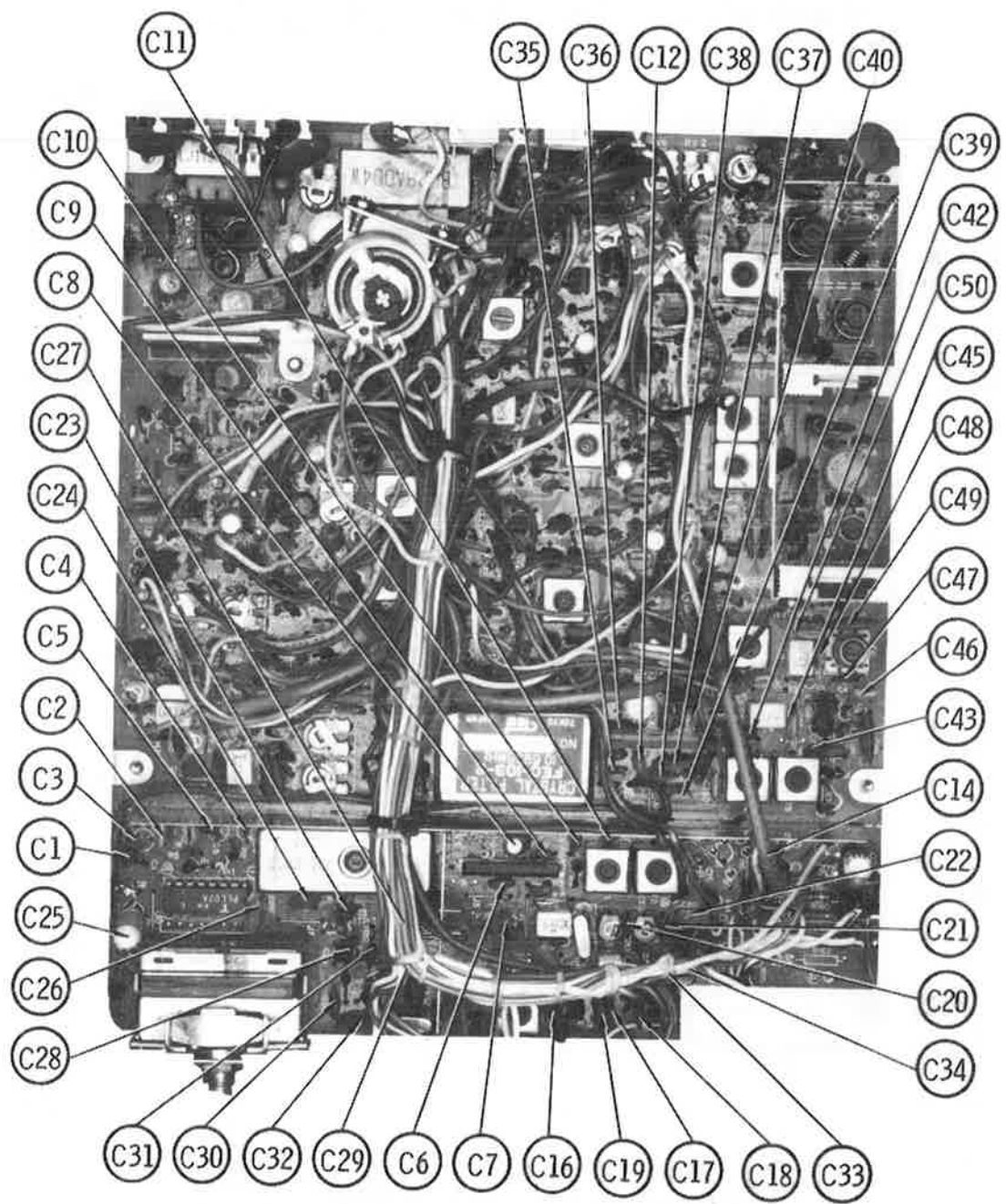


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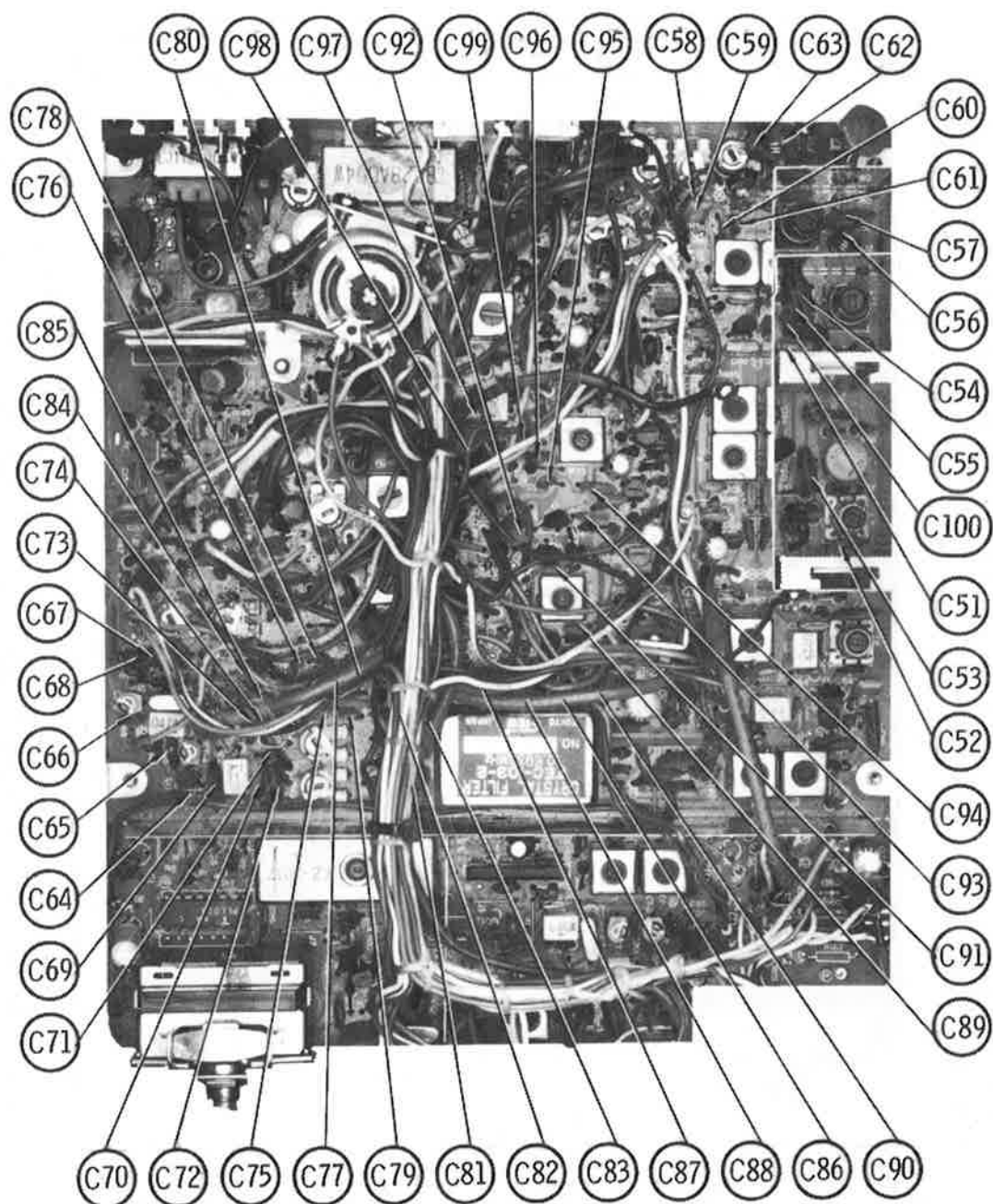
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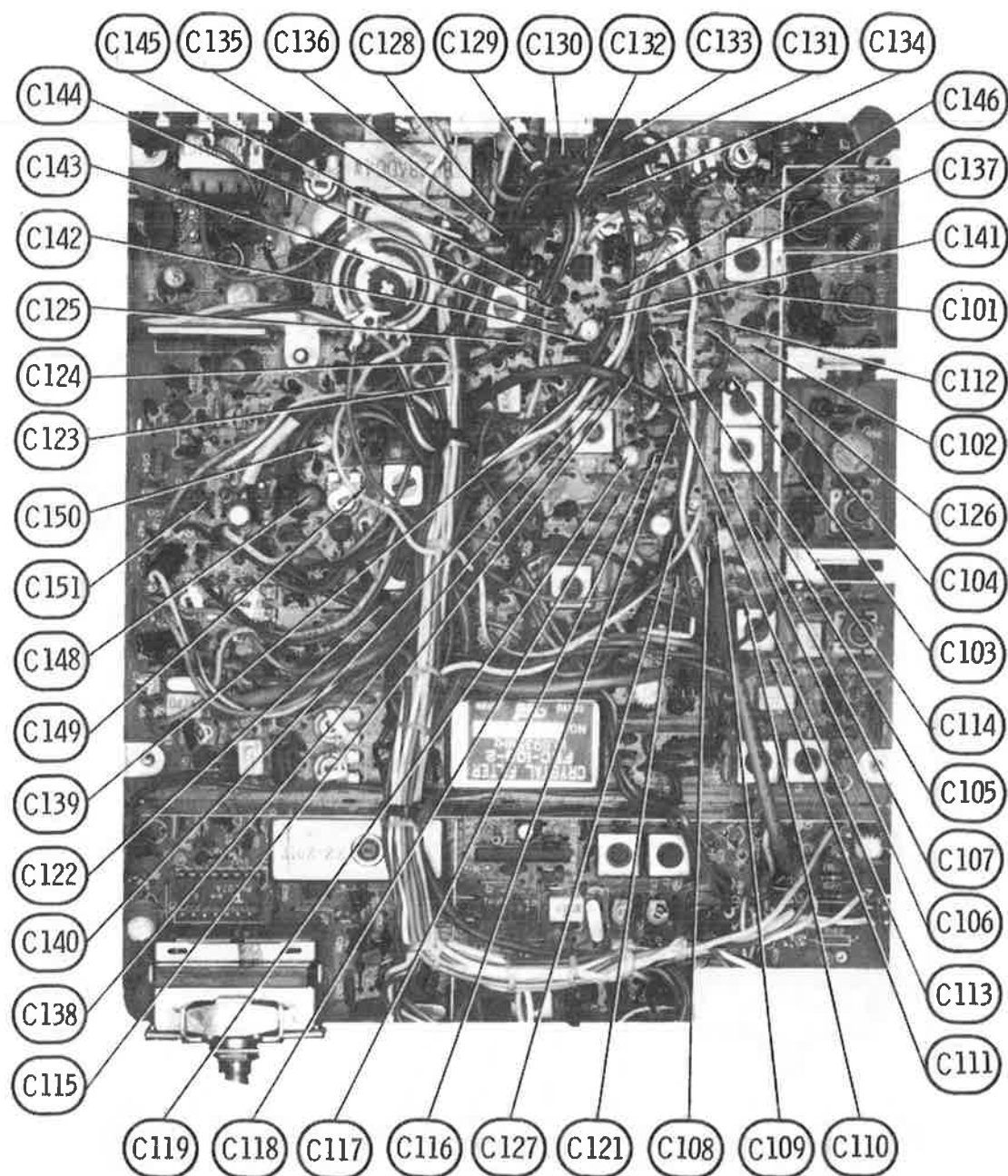
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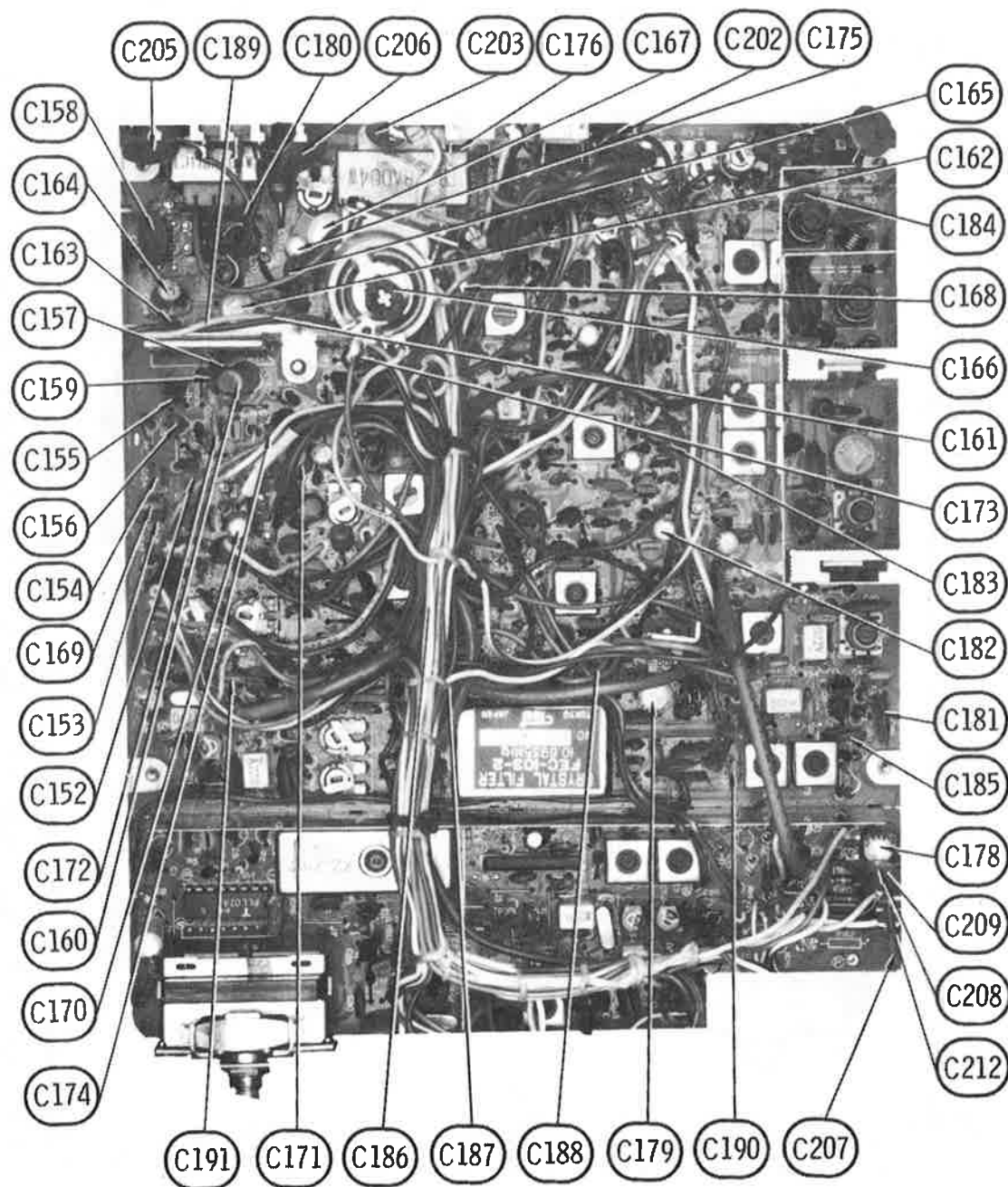
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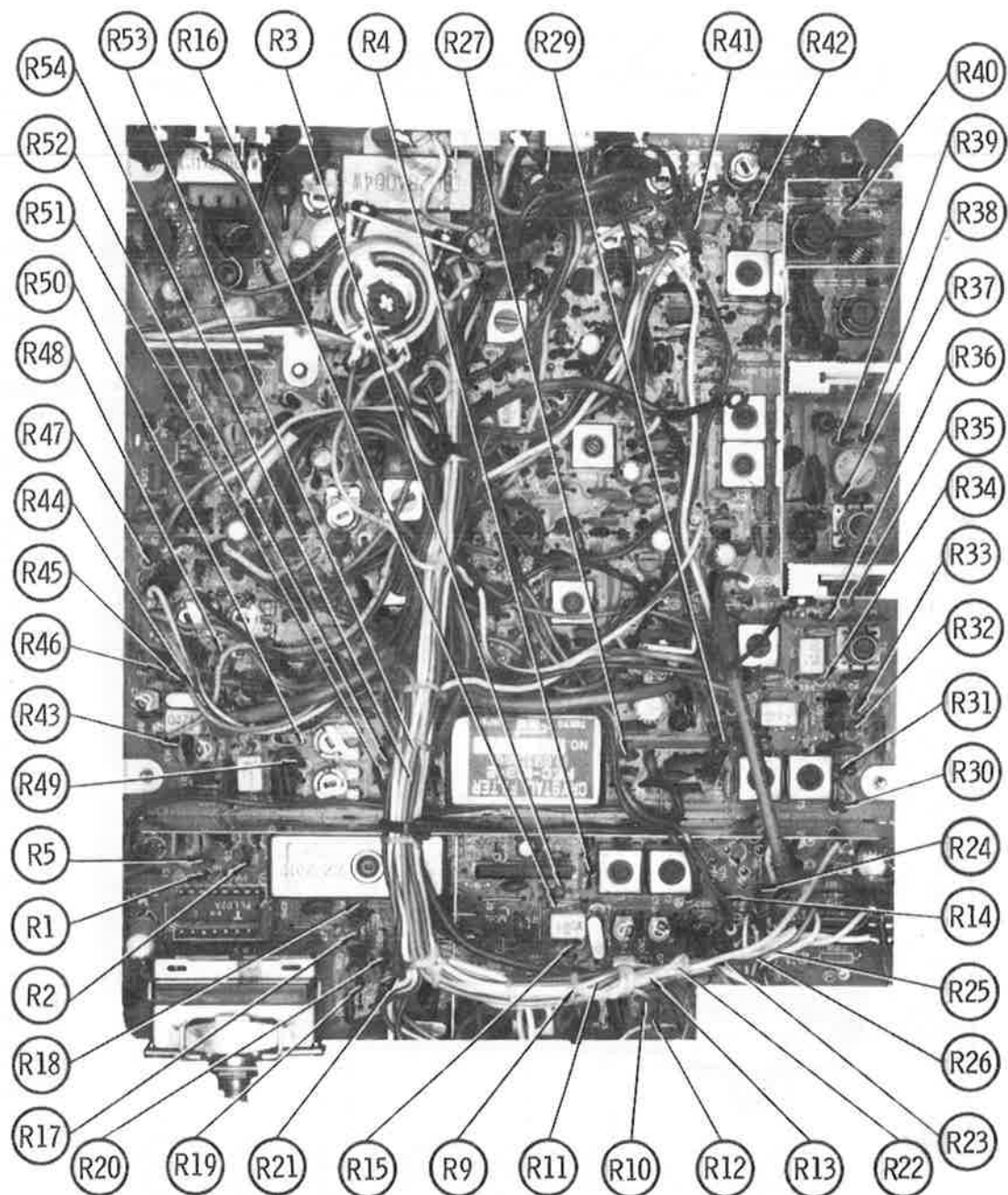
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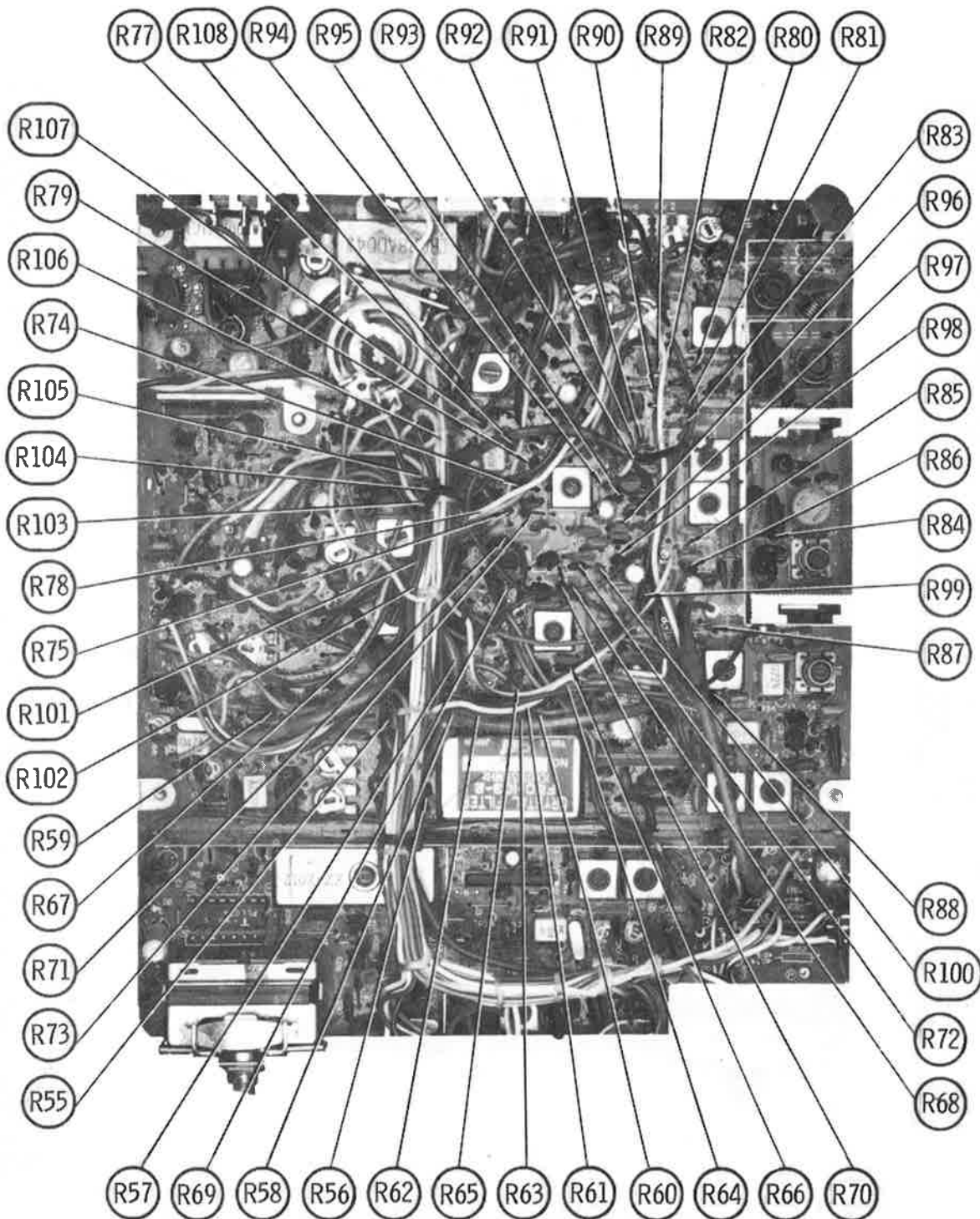
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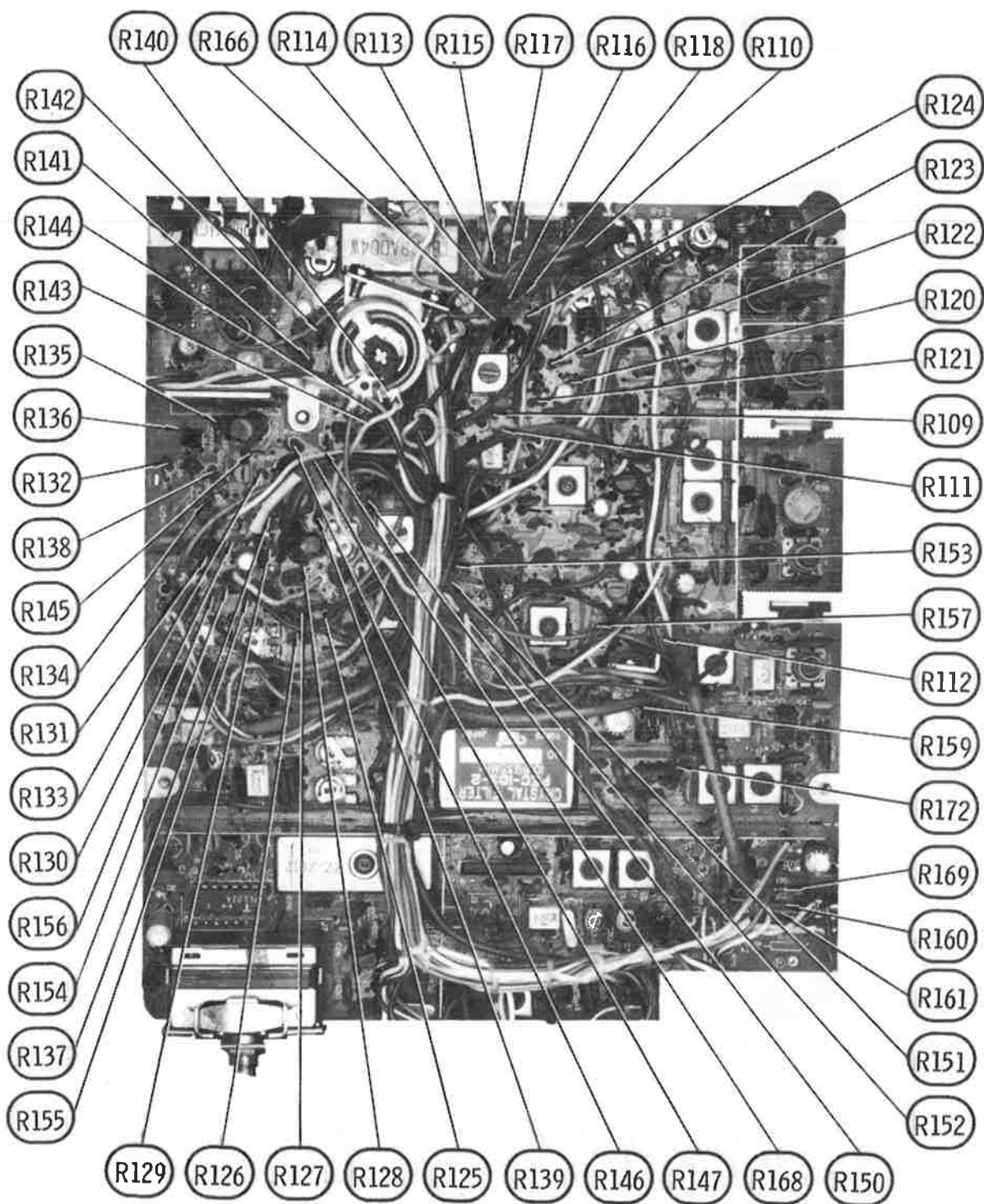
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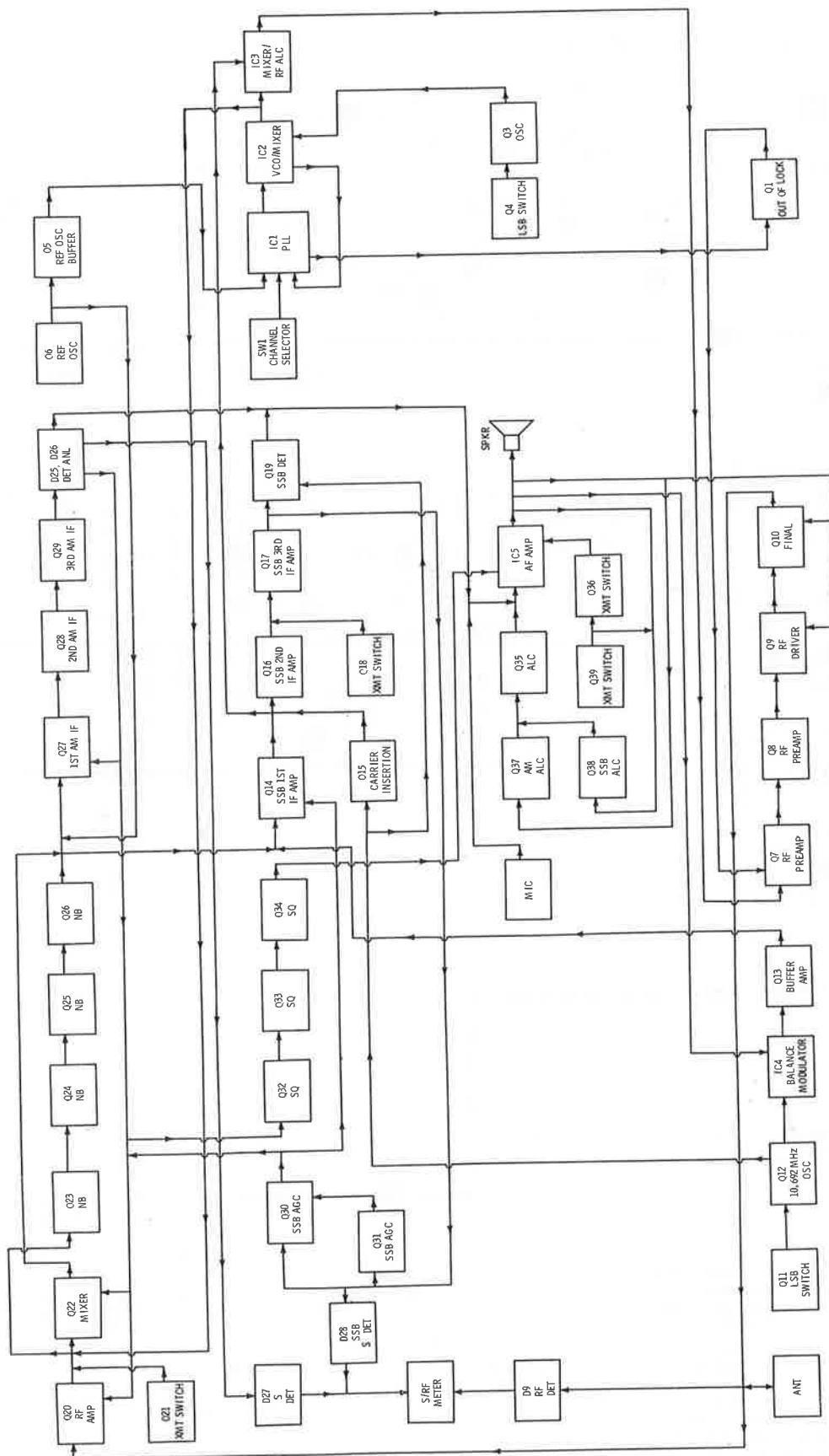
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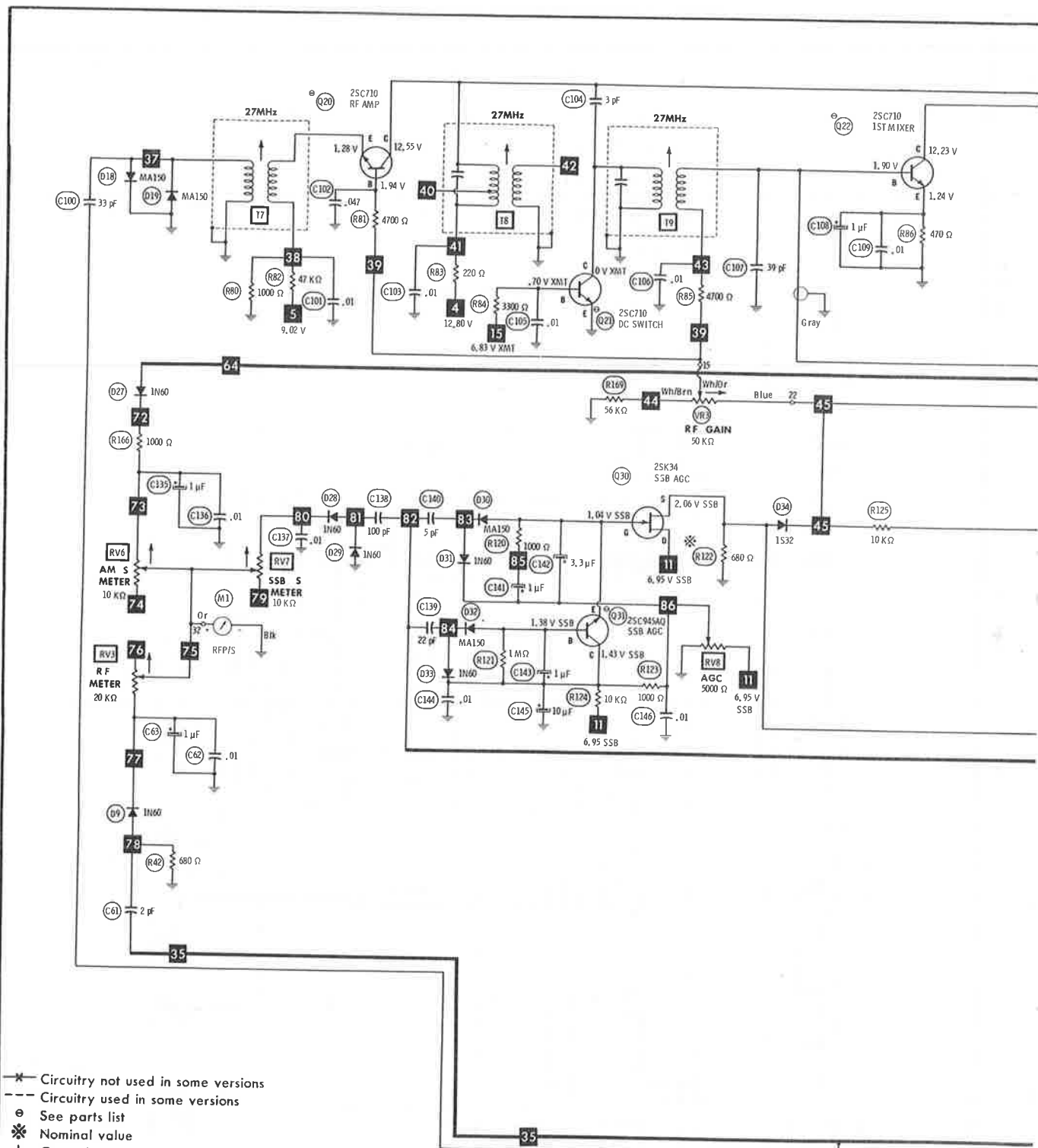


MAIN BOARD



MAIN BOARD





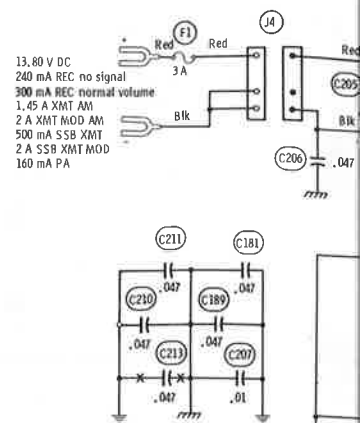
- * Circuitry not used in some versions
- Circuitry used in some versions
- ⊕ See parts list
- * Nominal value
- ⊥ Ground
- Chassis
- ▽ Common tie point
- Measurements made in Channel 1 with switching as shown unless noted.
- Item numbers in rectangles appear in the alignment/adjustment instructions.
- 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 **CIRCUITRACE**

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TRUTH CHART

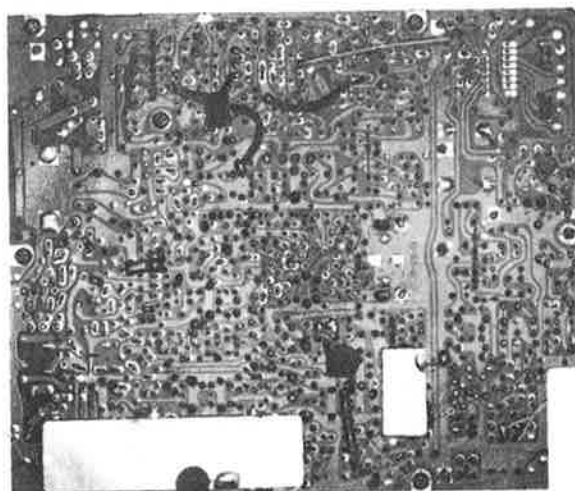
1 = 5.34 Volts 0 = 0 Volts

CHANNEL	IC1 PROGRAM DIVIDER						AM & USB VCO OUTPUT IN MHz AT TP13	LSB VCO OUTPUT IN MHz AT TP13
	PINS							
	10	11	12	13	14	15		
1	1	1	1	1	1	1	37.660	37.657
2	1	1	1	1	1	0	37.670	37.667
3	1	1	1	1	0	1	37.680	37.677
4	1	1	1	0	1	1	37.700	37.697
5	1	1	1	0	1	0	37.710	37.707
6	1	1	1	0	0	1	37.720	37.717
7	1	1	1	0	0	0	37.730	37.727
8	1	1	0	1	1	0	37.750	37.747
9	1	1	0	1	0	1	37.760	37.757
10	1	1	0	1	0	0	37.770	37.767
11	1	1	0	0	1	1	37.780	37.777
12	1	1	0	0	0	1	37.800	37.797
13	1	1	0	0	0	0	37.810	37.807
14	1	0	1	1	1	1	37.820	37.817
15	1	0	1	1	1	0	37.830	37.827
16	1	0	1	1	0	0	37.850	37.847
17	1	0	1	0	1	1	37.860	37.857
18	1	0	1	0	1	0	37.870	37.867
19	1	0	1	0	0	1	37.880	37.877
20	1	0	0	1	1	1	37.900	37.897

1 = 5.34 Volts 0 = 0 Volts

CHANNEL	IC1 PROGRAM DIVIDER						AM & USB VCO OUTPUT IN MHz AT TP13	LSB VCO OUTPUT IN MHz AT TP13
	PINS							
	10	11	12	13	14	15		
	10	11	12	13	14	15		
21	1	0	0	1	1	0	37.910	37.907
22	1	0	0	1	0	1	37.920	37.917
23	1	0	0	0	1	0	37.950	37.947
24	1	0	0	1	0	0	37.930	37.927
25	1	0	0	0	1	1	37.940	37.937
26	1	0	0	0	0	1	37.960	37.957
27	1	0	0	0	0	0	37.970	37.967
28	0	1	1	1	1	1	37.980	37.977
29	0	1	1	1	1	0	37.990	37.987
30	0	1	1	1	0	1	38.000	37.997
31	0	1	1	1	0	0	38.010	38.007
32	0	1	1	0	1	1	38.020	38.017
33	0	1	1	0	1	0	38.030	38.027
34	0	1	1	0	0	1	38.040	38.037
35	0	1	1	0	0	0	38.050	38.047
36	0	1	0	1	1	1	38.060	38.057
37	0	1	0	1	1	0	38.070	38.067
38	0	1	0	1	0	1	38.080	38.077
39	0	1	0	1	0	0	38.090	38.087
40	0	1	0	0	1	1	38.100	38.097

MIDLAND MODEL 79-892



SHIELD LOCATION

PARTS LIST AND DESCRIPTION

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

WIRING DATA

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

SEMICONDUCTORS (Select replacement transistor for best results)

ITEM No.	TYPE No.	MFG. PART No.	REPLACEMENT DATA									
			GENERAL ELECTRIC PART No.	MALLORY PART No.	MOTOROLA PART No.	RAYTHEON PART No.	RCA PART No.	SPRAGUE PART No.	SYLVANIA PART No.	THORDARSON PART No.	WORKMAN PART No.	ZENITH PART No.
D1	MA150		GE-300	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177		WEP1062	
D2	MZ205					RE 105			ECG135			
D3	ITT310								ECG614			
D4	MA150		GE-90		HEPR2503			RT-262	ECG177		WEP200	103-290
D5	MA150		GE-300	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177		WEP1062	ZEN-453
D6	MA150		GE-300	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177		WEP1062	
D7	MZ205		GE-300	PTC214	HEPR0602	RE 105		RT-218	ECG177		WEP1062	
D8	MA150								ECG135			
D9	1N60		GE-300	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177		WEP1062	103-290
D10	MA150		1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109	1N60	WEP134	ZEN-430
D11	MA150		GE-300	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177		WEP1062	
D12	MA150		GE-300	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177		WEP1062	
D13	MA150		GE-300	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177		WEP1062	
D14	MA150		GE-300	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177		WEP1062	
D15	MA150		GE-300	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177		WEP1062	
D16	1S32		1N60	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177		WEP1062	
D17	MA150		1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109	1N60	WEP134	ZEN-430
D18	MA150		GE-300	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177		WEP1062	
D19	MA150		GE-300	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177		WEP1062	
D20	1N60		GE-300	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177		WEP1062	
D21	1N60		1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109	1N60	WEP134	ZEN-430
D22	1N60		1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109	1N60	WEP134	ZEN-430
D23	1N60		1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109	1N60	WEP134	ZEN-430
D24	1S32		1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109	1N60	WEP134	ZEN-430
D25	1N60		1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109	1N60	WEP134	ZEN-430
D26	MA150		1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109	1N60	WEP134	ZEN-430
D27	1N60		GE-300	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177		WEP1062	
D28	1N60		1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109	1N60	WEP134	ZEN-430
D29	1N60		1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109	1N60	WEP134	ZEN-430
D30	MA150		1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109	1N60	WEP134	ZEN-430
D31	1N60		GE-300	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177		WEP1062	
D32	MA150		1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109	1N60	WEP134	ZEN-430
D33	1N60		GE-300	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177		WEP1062	
D34	1S32		1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109	1N60	WEP134	ZEN-430
D35	MA150		GE-300	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177		WEP1062	
D36	MA150		GE-300	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177		WEP1062	
D37	MA150		GE-300	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177		WEP1062	
D38	MA150		GE-300	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177		WEP1062	
D39	MA150		GE-300	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177		WEP1062	
D40	MA150		GE-300	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177		WEP1062	
D41	MA150		GE-300	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177		WEP1062	
D42	MA150		GE-300	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177		WEP1062	
D43	GP25G		GE-300	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177		WEP1062	
D44	MA150		GE-512	PTC204	HEPR0098	RE 92	SK3051	RT-218	ECG177		WEP1062	
D45	MA150		GE-300	PTC214	HEPR0602	RE 52	SK3100	RT-201	ECG156		WEP4008	
D46	MA150		GE-300	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177		WEP1062	
D47	MA150		GE-300	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177		WEP1062	
D48	MA150		GE-300	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177		WEP1062	
D49	MA150		GE-300	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177		WEP1062	
D50	MZ310		GE-300	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177		WEP1062	
D51	1S1885		GEZE-9.1	ZM9.1B		RE 114	SK3060	RT-240	ECG5018	1N4739A	WEP1419	103-279-18
D52	MA150		GE-504A	PTC202	HEPR0054	RE 49	SK3017A	RT-215	ECG116	1N4007	WEP158	212-76
D53	MA150		GE-300	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177		WEP1062	
IC1	PLL02A		GE-300	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177		WEP1062	
IC2	C3001					RE 360-IC			ECG1167		WEP2007	
IC3	TA7310P								ECG1167		WEP2007	
IC4	AN612								ECG1192			
IC5	TA7205P								ECG1192			
Q1	2SC900		GEIC-179	PTC780	HEPS0015*	RE 357-IC	SK3231	TVCM-81	ECG1155	TA7205P	WEP949	
Q2	2SC710		GE-62	PTC139*	HEPS0016*	RE 192	SK3124	RT-302	ECG199	2SC900	WEP66	ZEN-119
Q3	2SC710		GE-211*	PTC132	HEPS0016*	RE 13*	SK3018*	RT-308*	ECG123A*	2SC710	WEP710	ZEN-114
Q4	2SC710		GE-211*	PTC132	HEPS0016*	RE 13*	SK3018*	RT-308*	ECG123A*	2SC710	WEP710	ZEN-114
Q5	2SC710		GE-211*	PTC132	HEPS0016*	RE 13*	SK3018*	RT-308*	ECG123A*	2SC710	WEP710	ZEN-114
Q6	2SC710		GE-211*	PTC132	HEPS0016*	RE 13*	SK3018*	RT-308*	ECG123A*	2SC710	WEP710	ZEN-114
Q7	2SC710		GE-211*	PTC132	HEPS0016*	RE 13*	SK3018*	RT-308*	ECG123A*	2SC710	WEP710	ZEN-114
Q8	2SC460A		GE-61*	PTC136*	HEPS0014*	RE 9	SK3018*	RT-134	ECG107	2SC460	WEP460	ZEN-114
Q9	2SC2166		GE-61*	PTC136*	HEPS0014*	RE 9	SK3018*	RT-134	ECG107	2SC460	WEP460	121-722
Q10	2SC1969		GE-215	PTC186		RE 203	SK3197	RT-146	ECG235	2SC1306	WEP785	121-722
Q11	2SC710		GE-216	PTC186		RE 201	SK3197	RT-158	ECG236		WEP840	
Q12	2SC710		GE-211*	PTC132	HEPS0016*	RE 13*	SK3018*	RT-308*	ECG123A*	2SC710	WEP710	ZEN-114
Q13	2SC710		GE-211*	PTC132	HEPS0016*	RE 13*	SK3018*	RT-308*	ECG123A*	2SC710	WEP710	ZEN-114
Q14	2SC710		GE-211*	PTC132	HEPS0016*	RE 13*	SK3018*	RT-308*	ECG123A*	2SC710	WEP710	ZEN-114
Q15	2SC710		GE-211*	PTC132	HEPS0016*	RE 13*	SK3018*	RT-308*	ECG123A*	2SC710	WEP710	ZEN-114
Q16	2SC710		GE-211*	PTC132	HEPS0016*	RE 13*	SK3018*	RT-308*	ECG123A*	2SC710	WEP710	ZEN-114
Q17	2SC710		GE-211*	PTC132	HEPS0016*	RE 13*	SK3018*	RT-308*	ECG123A*	2SC710	WEP710	ZEN-114
Q18	2SC710		GE-211*	PTC132	HEPS0016*	RE 13*	SK3018*	RT-308*	ECG123A*	2SC710	WEP710	ZEN-114
Q19	2SC945AQ		GE-212	PTC121*	HEPS0015*	RE 192	SK3124	RT-107A	ECG199	2SC945	WEP1945	121-29000
Q20	2SC710		GE-212	PTC121*	HEPS0015*	RE 192	SK3124	RT-107A	ECG199	2SC945	WEP1945	121-29000
Q21	2SC710		GE-211*	PTC132	HEPS0016*	RE 13*	SK3018*	RT-308*	ECG123A*	2SC710	WEP710	ZEN-114
Q22	2SC710		GE-211*	PTC132	HEPS0016*	RE 13*	SK3018*	RT-308*	ECG123A*	2SC710	WEP710	ZEN-114
Q23	2SC763		GE-211*	PTC132	HEPS0016*	RE 13*	SK3018*	RT-308*	ECG123A*	2SC710	WEP710	ZEN-114
Q24	2SK34		GE-61*	PTC115	HEPS0020*	RE 10*	SK3018*	RT-309	ECG108*	2SC380*	WEP56	ZEN-127
Q25	2SA733Q		GE-FET-2	PTC161	HEPP0021	RE 45	SK3116	RT-175	ECG312		WEP80J	ZEN-123
Q26	2SA733		GE-48	PTC103*	HEPS0019*	RE 219	SK3138	RT-303	ECG294	2SA733	WEP916	
Q27	2SC710C		GE-48	PTC103*	HEPS0019*	RE 219	SK3138	RT-303	ECG294	2SA733	WEP916	
Q28	2SC710		GE-211*	PTC115	HEPS0020*	RE 10*	SK3018*	RT-309	ECG108*	2SC380*	WEP56	ZEN-127
	2SC710		GE-211*	PTC132	HEPS0016*	RE 13*	SK3018*	RT-308*	ECG123A*	2SC710	WEP710	ZEN-114
	2SC710		GE-211*	PTC132	HEPS0016*	RE 13*	SK3018*	RT-308*	ECG123A*	2SC710	WEP710	ZEN-114

PARTS LIST AND DESCRIPTION (CONTINUED)

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

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

ITEM No.	TYPE No.	MFR. PART No.	REPLACEMENT DATA									
			GENERAL ELECTRIC PART No.	MALLORY PART No.	MOTOROLA PART No.	RAYTHEON PART No.	RCA PART No.	SPRAGUE PART No.	SYLVANIA PART No.	THORDARSON PART No.	WORKMAN PART No.	ZENITH PART No.
Q29	2SC710D		GE-211*	PTC132	HEPS0016*	RE 13*	SK3018*	RT-308*	ECG123A*	2SC710	WEP710	ZEN-114
Q30	2SK34		GE-FET-2	PTC161	HEPF0021	RE 45	SK3116	RT-175	ECG312		WEP801	ZEN-123
Q31	2SC945AQ		GE-212	PTC121*	HEPS0015*	RE 192	SK3124	RT-107A	ECG199	2SC945	WEP1945	121-29000
	2SC945		GE-212	PTC121*	HEPS0015*	RE 192	SK3124	RT-107A	ECG199	2SC945	WEP1945	121-29000
Q32	2SA733Q		GE-48	PTC103*	HEPS0019*	RE 219	SK3138	RT-303	ECG294	2SA733	WEP916	
	2SA733		GE-48	PTC103*	HEPS0019*	RE 219	SK3138	RT-303	ECG294	2SA733	WEP916	
Q33	2SC945AQ		GE-212	PTC121*	HEPS0015*	RE 192	SK3124	RT-107A	ECG199	2SC945	WEP1945	121-29000
	2SC945		GE-212	PTC121*	HEPS0015*	RE 192	SK3124	RT-107A	ECG199	2SC945	WEP1945	121-29000
Q34	2SC945AQ		GE-212	PTC121*	HEPS0015*	RE 192	SK3124	RT-107A	ECG199	2SC945	WEP1945	121-29000
	2SC945		GE-212	PTC121*	HEPS0015*	RE 192	SK3124	RT-107A	ECG199	2SC945	WEP1945	121-29000
Q35	2SC900		GE-62	PTC139*	HEPS0015*	RE 192	SK3124	RT-107A	ECG199	2SC945	WEP1945	ZEN-119
Q36	2SC945AQ		GE-212	PTC121*	HEPS0015*	RE 192	SK3124	RT-107A	ECG199	2SC945	WEP1945	121-29000
	2SC945		GE-212	PTC121*	HEPS0015*	RE 192	SK3124	RT-107A	ECG199	2SC945	WEP1945	121-29000
Q37	2SA719Q		GE-269	PTC103*	HEPS0019*	RE 26*	SK3114	RT-305	ECG290		WEP911	121-879
	2SA719		GE-269	PTC103*	HEPS0019*	RE 26*	SK3114	RT-305	ECG290		WEP911	121-879
Q38	2SA719Q		GE-269	PTC103*	HEPS0019*	RE 26*	SK3114	RT-305	ECG290		WEP911	121-879
	2SA719		GE-269	PTC103*	HEPS0019*	RE 26*	SK3114	RT-305	ECG290		WEP911	121-879
Q39	2SC945AQ		GE-212	PTC121*	HEPS0015*	RE 192	SK3124	RT-107A	ECG199	2SC945	WEP1945	121-29000
	2SC945		GE-212	PTC121*	HEPS0015*	RE 192	SK3124	RT-107A	ECG199	2SC945	WEP1945	121-29000
Q40	2SA683R		GE-48	PTC103*	HEPS0019*	RE 219	SK3138	RT-303	ECG294	2SA733	WEP916	
	2SA683		GE-48	PTC103*	HEPS0019*	RE 219	SK3138	RT-303	ECG294	2SA733	WEP916	
Q41	2SC1363R		GE-47	PTC143*	HEPS3001*	RE 220	SK3024*	RT-302	ECG293		WEP912	
	2SC1363		GE-47	PTC143*	HEPS3001*	RE 220	SK3024*	RT-302	ECG293		WEP912	
Q42	2SA683R		GE-48	PTC103*	HEPS0019*	RE 219	SK3138	RT-303	ECG294	2SA733	WEP916	
	2SA683		GE-48	PTC103*	HEPS0019*	RE 219	SK3138	RT-303	ECG294	2SA733	WEP916	
Q43	2SC1383R		GE-47	PTC143*	HEPS3001*	RE 220	SK3024*	RT-302	ECG293		WEP912	
	2SC1383		GE-47	PTC143*	HEPS3001*	RE 220	SK3024*	RT-302	ECG293		WEP912	
Q44	2SC1398Q		GE-66	PTC154	HEPS3001*	RE 21	SK3054	RT-197	ECG152	2SC1061	WEP745	
	2SC1847		GE-270	PTC180		RE 209			ECG295		WEP913	
Q45	2SC710		GE-211*	PTC132	HEPS0016*	RE 13*	SK3018*	RT-308*	ECG123A*	2SC710	WEP710	ZEN-114

* Lead configuration may vary from original.

(12) Rating 20 WATTS @ 6 AMPS.

(13) Rating 1.5 WATTS @ 4 AMPS.

(14) Rating 15 WATTS @ 3 AMPS.

ELECTROLYTIC CAPACITORS

ITEM No.	RATING	MFR. PART No.	REPLACEMENT DATA			
			CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.	
					Q-LINE	GENERAL LINE
C3	.1 35V			TDC104M050EL	QDT1-2	SD50-R109
C4	.22 35V			TDC224M050EL	QDT1-10	SD50-R229
C5	10 16V			TDC106M025FL	QDT1-64	SD25-109
C8	1 50V		PC1-50	VTT1A50	QV1-11	EV-1615
C25	47 6.3V		PC50-16	VTT47D16	QV1-73	EV-1226
C33	1 50V		PC1-50	VTT1A50	QV1-11	EV-1615
C58	.22 35V			TDC224M050EL	QDT1-10	SD50-R229
C63	1 50V		PC1-50	VTT1A50	QV1-11	EV-1615
C76	.22 35V			TDC224M050EL	QDT1-10	SD50-R229
C78	.22 35V			TDC224M050EL	QDT1-10	SD50-R229
C80	10 16V		PC10-25	VTT10B25	QV1-41	EV-1222
C87	.22 35V			TDC224M050EL	QDT1-10	SD50-R229
C97	33 6.3V		PC30-25	VTT33B10	QV1-61	EV-1125
C108	1 50V		PC1-50	VTT1A50	QV1-11	EV-1615
C119	10 16V		PC10-25	VTT10B25	QV1-41	EV-1222
C127	10 16V		PC10-25	VTT10B25	QV1-41	EV-1222
C129	3.3 25V		PC5-50	VTT3R3A50	QV1-23	EV-1318
C131	4.7 25V		PC5-50	VTT4R7B50	QV1-27	EV-1319
C135	1 50V		PC1-50	VTT1A50	QV1-11	EV-1615
C141	1 25V			TDC105M035EL	QDT1-25	SD35-19
C142	3.3 25V		PC5-50	VTT3R3A50	QV1-23	EV-1318
C143	1 25V			TDC105M035EL	QDT1-25	SD35-19
C145	10 16V		PC10-25	VTT10B25	QV1-41	EV-1222
C148	10 16V		PC10-25	VTT10B25	QV1-41	EV-1222
C150	4.7 25V		PC5-50	VTT4R7B50	QV1-27	EV-1319
C156	3.9 10V			TDC475M010EL	QDT1-48	SD10-4R79
C160	33 6.3V		PC30-25	VTT33B10	QV1-61	EV-1125
C162	47 16V		PC50-16	VTT47D16	QV1-73	EV-1226
C164	1 50V		PC1-50	VTT1A50	QV1-11	EV-1615
C166	2200 16V		WBR2000-16	TC1520C	QE1-643	TVA-1175.3
C167	330 16V		WBR300-35	VTT330H16	QV1-133	EV-1245
C168	100 16V		PC100-16	VTT100F16	QV1-95	EV-1230
C170	.47 50V		PC1-50	VTT47A63	QV1-3	EV-1610
C171	47 6.3V		PC50-16	VTT47D16	QV1-73	EV-1226
C173	1 50V		PC1-50	VTT1A50	QV1-11	EV-1615
C175	2.2 25V		PC2-100	VTT2R2A50	QV1-19	EV-1517
C176	47 16V		PC50-16	VTT47D16	QV1-73	EV-1226
C178	33 16V		PC30-25	VTT33D25	QV1-63	EV-1325
C179	47 16V		PC50-16	VTT47D16	QV1-73	EV-1226
C182	.47 50V		PC1-50	VTT47A63	QV1-3	EV-1610
C901	.22 35V			TDC224M050EL	QDT1-10	SD50-R229

CAPACITORS

ITEM No.	RATING	MFR. PART No.	REPLACEMENT DATA			
			CENTRALAB PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.
						Q-LINE
C1	.0047			WMF1D47	EWF1A247	QF1-57
C2	.022			DPMS2S22	EWF1A122	QF1-127
C6	33 N150				*	
C7	12 N150				*	
C9	.001			DPMS6D1	EWF1A210	QF1-1
C10	.0012			DPMS6D12	PVC6212	
C11	2 N150				*	
C12	33 N150				*	
C13	33 N150				*	
C14	10 N150				*	
C15	.01			WMF1S1	EWF1A110	QF1-91
C16	.01			WMF1S1	EWF1A110	QF1-91
C17	33 N150				*	

MIDLAND MODEL 79-892

PARTS LIST AND DESCRIPTION (CONTINUED)

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

CAPACITORS (cont)

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
C18	.001		DTZ-15	DPMS6D1	EWFA1210	QF1-1	1PB-D10
C19	220 N150				*		10TCP-T22
C20	22 N150				*		10TCP-Q22
C21	15 NPO			NP015	CN0415		10TCC-Q15
C22	.01			WMF1S1	EWFA1110	QF1-91	1PB-S10
C23	.001			DPMS6D1	EWFA1210	QF1-1	1PB-D10
C24	68 N150				*		10TCP-Q68
C26	.047			DPMS2S47	EWFA147	QF1-171	1PB-S47
C27	.047			DPMS2S47	EWFA147	QF1-171	1PB-S47
C28	.001			DPMS6D1	EWFA1210	QF1-1	1PB-D10
C29	5 N150		DD-561		*		10TCP-V50
C30	68 N150				*		10TCP-Q68
C31	27 NPO				CN0427		10TCC-Q27
C32	560				GP356		10TS-T56
C34	.01			WMF1S1	EWFA1110	QF1-91	1PB-S10
C35	.01			WMF1S1	EWFA1110	QF1-91	1PB-S10
C36	150 N150				*		10TCP-T15
C37	82 N150				*		10TCP-Q82
C38	56 N150				*		10TCP-Q56
C39	.01			WMF1S1	EWFA1110	QF1-91	1PB-S10
C40	.01			WMF1S1	EWFA1110	QF1-91	1PB-S10
C42	3 N150		DD-391		*		10TCP-V30
C43	47 N150				*		10TCP-Q47
C45	.01			WMF1S1	EWFA1110	QF1-91	1PB-S10
C46	.01			WMF1S1	EWFA1110	QF1-91	1PB-S10
C47	47 N150				*		10TCP-Q47
C48	.01			WMF1S1	EWFA1110	QF1-91	1PB-S10
C49	390			GP390	GP339		10TS-T39
C50	.01			WMF1S1	EWFA1110	QF1-91	1PB-S10
C51	.047			DPMS2S47	EWFA147	QF1-171	1PB-S47
C52	82 N150				*		10TCP-Q82
C53	220 N150		DD-561		*		10TCP-T22
C54	150 N150				*		10TCP-T15
C55	560				GP356		10TS-T56
C56	47 N150				*		10TCP-Q47
C57	470				GP347		10TS-T47
C59	.01			GP470	EWFA1110	QF1-91	1PB-S10
C60	5 N150			WMF1S1			10TCP-V50
C61	2 N150				*		10TCP-V22
C62	.01				*		1PB-S10
C64	.01			WMF1S1	EWFA1110	QF1-91	1PB-S10
C65	39 N150			WMF1S1	EWFA1110	QF1-91	1PB-S10
C66	10 NPO		DTZ-10	NP010	CN0410		10TCP-Q39
C67	.001			DPMS6D1	EWFA1210	QF1-1	10TCC-Q10
C68	22 N150				*		1PB-D10
C69	220 N150				*		10TCP-Q22
C70	220 N150				*		10TCP-T22
C71	8 N150				*		10TCP-T22
C72	100 N150				*		10TCP-V82
C73	33 N150				*		10TCP-T10
C74	22 N150				*		10TCP-Q33
C75	.01				*		10TCP-Q22
C77	.01			WMF1S1	EWFA1110	QF1-91	1PB-S10
C79	.01			WMF1S1	EWFA1110	QF1-91	1PB-S10
C81	.01			WMF1S1	EWFA1110	QF1-91	1PB-S10
C82	.01			WMF1S1	EWFA1110	QF1-91	1PB-S10
C83	.01			WMF1S1	EWFA1110	QF1-91	1PB-S10
C84	.01			WMF1S1	EWFA1110	QF1-91	1PB-S10
C85	.01			WMF1S1	EWFA1110	QF1-91	1PB-S10
C86	.01			WMF1S1	EWFA1110	QF1-91	1PB-S10
C88	.01			WMF1S1	EWFA1110	QF1-91	1PB-S10
C89	.01			WMF1S1	EWFA1110	QF1-91	1PB-S10
C90	.01			WMF1S1	EWFA1110	QF1-91	1PB-S10
C91	.01			WMF1S1	EWFA1110	QF1-91	1PB-S10
C92	.01			WMF1S1	EWFA1110	QF1-91	1PB-S10
C93	.01			WMF1S1	EWFA1110	QF1-91	1PB-S10
C94	.01			WMF1S1	EWFA1110	QF1-91	1PB-S10
C95	6 N150				*		1PB-S10
C96	33 N150				*		10TCP-V56
C98	.001				*		10TCP-Q33
C99	.01			DPMS6D1	EWFA1210	QF1-1	1PB-D10
C100	33 N150			WMF1S1	EWFA1110	QF1-91	1PB-S10
C101	.01				*		10TCP-Q33
C102	.047			WMF1S1	EWFA1110	QF1-91	1PB-S10
C103	.01			DPMS2S47	EWFA147	QF1-171	1PB-S47
C104	3 N150			WMF1S1	EWFA1110	QF1-91	1PB-S10
C105	.01				*		10TCP-V30
C106	.01			WMF1S1	EWFA1110	QF1-91	1PB-S10
C107	39 N150			WMF1S1	EWFA1110	QF1-91	1PB-S10
C109	.01				*		10TCP-Q39
C110	.01			WMF1S1	EWFA1110	QF1-91	1PB-S10
C111	.01			WMF1S1	EWFA1110	QF1-91	1PB-S10
C112	5 N150		DD-221	WMF1S1	EWFA1110	QF1-91	1PB-S10
C113	220 N150				*		10TCP-V50
C114	.0047				*		10TCP-T22
C115	.001			WMF1D47	EWFA1247	QF1-57	1PB-D47
C116	.033			DPMS6D1	EWFA1210	QF1-1	1PB-D10
C117	.0047			DPMS6S33	EWFA133		6PS-S33
C118	.01			WMF1D47	EWFA1247	QF1-57	1PB-D47
C121	.001			WMF1S1	EWFA1110	QF1-91	1PB-S10
C122	27 N150			DPMS6D1	EWFA1210	QF1-1	1PB-D10
C123	.033				*		10TCP-Q27
C124	.01			DPMS6S33	EWFA133	QF1-91	6PS-S33
C125	.033			WMF1S1	EWFA1110		1PB-S10
C126	.01			DPMS6S33	EWFA133		6PS-S33
C128	.0047			WMF1S1	EWFA1110	QF1-91	1PB-S10
C130	.033			WMF1D47	EWFA1247	QF1-57	1PB-D47
C132	.0047			DPMS6S33	EWFA133		6PS-S33
C133	220			WMF1D47	EWFA1247	QF1-57	1PB-D47
C134	.0082				GP322		10TS-T22
C136	.01			WMF1D82	EWFA1282		1PB-D82
C137	.01			WMF1S1	EWFA1110	QF1-91	1PB-S10
C138	100 N150			WMF1S1	EWFA1110	QF1-91	1PB-S10
					*		10TCP-T10

PARTS LIST AND DESCRIPTION (CONTINUED)

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

CAPACITORS (cont)

ITEM No.	RATING	MFG. PART No.	REPLACEMENT DATA				
			CENTRALAB PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.	Q-LINE
C139	22 N150				*	10TCP-Q22	
C140	5 N150				*	10TCP-V50	
C144	.01			WMF1S1	EWFA1A110	QF1-91	1PB-S10
C146	.01			WMF1S1	EWFA1A110	QF1-91	1PB-S10
C149	.01			WMF1S1	EWFA1A110	QF1-91	1PB-S10
C151	.0022			DPMS6D22	BWF6222	QF1-127	6PS-D22
C152	.0022			DPMS2S22	EWFA1A122		1PB-S22
C153	220		DD-221		GP322		10TS-T22
C154	.01			WMF1S1	EWFA1A110	QF1-91	1PB-S10
C155	.002			WMF1D33	EWFA1A233	QF1-43	1PB-D33
C157	68		DD-680	GP68	GP468		10TS-Q68
C158	150		DD-151		GP315		10TS-T15
C159	68		DD-680		GP468		10TS-Q68
C161	.068			WMF1S68	EWFA1A168	QF1-195	1PB-S68
C163	100		DD-101	GP100	GP310		10TS-T10
C165	.047			DPMS2S47	BWFA1A147	QF1-171	1PB-S47
C169	.01			WMF1S1	EWFA1A110	QF1-91	1PB-S10
C172	.01			WMF1S1	EWFA1A110	QF1-91	1PB-S10
C174	.01			WMF1S1	EWFA1A110	QF1-91	1PB-S10
C180	.047		DC-503	MGP05	TA150	QC2-207	TG-S50
C181	.047		DC-503	MGP05	TA150	QC2-207	TG-S50
C183	.001			DPMS6D1	BWFA1A210	QF1-1	1PB-D10
C184	270		DD-271	GP270	GP327		10TS-T27
C185	39 N150				*	10TCP-Q39	
C186	220 N150				*	10TCP-T22	
C187	18 N150				*	10TCP-Q18	
C188	18 N150				*	10TCP-Q18	
C189	.047		DC-503	MGP05	TA150	QC2-207	TG-S50
C190	.01			WMF1S1	EWFA1A110	QF1-91	1PB-S10
C191	.01			WMF1S1	EWFA1A110	QF1-91	1PB-S10
C192	.047		DD-101	DPMS2S47	EWFA1A147	QF1-171	1PB-S47
C194	100			GP100	GP310		10TS-T10
C195	.0022			DPMS6D22	EWFA1A122		6PS-D22
C196	82		DD-820		GP482		10TS-Q82
C197	.0022		DD-222		GP222	QC2-97	5GA-D22
C198	.047		DC-503	MGP05	TA150	QC2-207	TG-S50
C201	39 N150				*	10TCP-Q39	
C202	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C203	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C204	.001		DD-102G	GP1000	GP210	QC2-81	5GA-D10
C205	.047		DC-503	MGP05	TA150	QC2-207	TG-S50
C206	.047		DC-503	MGP05	TA150	QC2-207	TG-S50
C207	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C208	.001		DD-102G	GP1000	GP210	QC2-81	5GA-D10
C209	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C210	.047		DC-503	MGP05	TA150	QC2-207	TG-S50
C211	.047		DC-503	MGP05	TA150	QC2-207	TG-S50
C213	.047	(1)	DC-503	MGP05	TA150	QC2-207	TG-S50
CT1	20	13-123069					
CT2	20	13-123069					
CT3	20	13-123069					
CT4	20	13-123069					
CT5	20	13-123069					

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

(1) Used in some versions.

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

ITEM No.	FUNCTION	RESISTANCE	REPLACEMENT DATA				
			MFG. PART No.	CENTRALAB PART No.	CLAROSTAT PART No.	MALLORY PART No.	TRW PART No.
RV1	Bias	100	79-164001				U260R502B
RV2	SSB Power	5000	79-164002				U260R253B
RV3	RF Meter	20K	13-164134				U260R102B
RV4	Balance	1000	79-164003				U260R103B
RV5	Balance	10K	13-164132				U260R103B
RV7	SSB S Meter	10K	13-164132				U260R502B
RV8	AGC	5000	79-164002				U260R253B
RV9	AM Squelch Range	20K	13-164134				U260R254B
RV10	SSB Squelch Range	200K	79-164004				U260R501B
RV11	SSB MIC Gain	500	13-164141				U260R252B
RV12	AMC	2000	13-164133				
VR1	Volume/PA Switch	50K	79-160001				
VR2	Squelch	50K	79-166001				
VR3	RF Gain	50K	79-166001				
VR4	AM Power	10 10W	79-166002				
VR5	Clarifier	50K					

COILS (RF-IF)

ITEM No.	FUNCTION	REPLACEMENT DATA			REMARKS
		PART No.	OTHER IDENTIFICATION	MILLER PART No.	
L1	RF Choke(2.2uH)	13-176564			
L2	RF Choke(68uH)	13-178210			
L3	RF Choke(.75uH)	79-178001			
L4	RF Choke(2.2uH)	13-176564			
L5	RF Choke(2.2uH)	13-176564			
L6	RF Choke(1.95uH)	79-178002			
L7	Xmt Driver(27MHz)	79-178003			
L8	RF Choke(.75uH)	79-178004			
L9	RF Choke(.75uH)	13-178209			
L10	RF Choke(.75uH)	79-178004			
L11	Final(27MHz)	79-178005			
L12	RF Choke(.11uH)	79-178006			
L13	Pi Filter(27MHz)	79-178007			
L14	RF Choke(4.7uH)	79-178008			
L15	RF Choke(2.2uH)	13-176564			

MIDLAND MODEL 79-892

PARTS LIST AND DESCRIPTION (CONTINUED)

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

COILS (RF-IF) (cont)

ITEM No.	FUNCTION	REPLACEMENT DATA			REMARKS
		PART No.	OTHER IDENTIFICATION	MILLER PART No.	
L16	RF Choke(1uH)	79-178009			(1) Used in some versions.
L17	RF Choke(68uH)	13-178210			
L18	RF Choke(1mH)	79-178010			
L19	RF Choke(68uH)	13-178210			
L20	RF Choke(1.15uH)	79-178011			
L21	RF Choke(1.15uH)	79-178011			
L22	RF Choke(.75uH)	13-178209			
L23	RF Choke(.75uH)	13-178209			
L24	RF Choke	(1)			
L201	RF Choke(.1uH)	79-178012			
T1	VCO Mixer(38.100MHz)	13-090405			
T2	VCO Mixer(38.100MHz)	79-176001			
T3	Osc(20.100MHz)	79-090001			
T4	Mixer(27MHz)	79-176002			
T5	Mixer(27MHz)	79-176003			
T6	Xmt Buffer(27MHz)	79-176004			
T7	Rec Antenna(27MHz)	13-094234			
T8	Rec RF(27MHz)	79-176002			
T9	Rec RF(27MHz)	79-176005			
T10	IF(10.695MHz)	79-090002			
T11	IF(10.6935MHz)	79-090003			
T12	IF(10.6935MHz)	79-090003			
T13	IF(10.695MHz)	79-090004			
T14	IF(455kHz)	79-090005			
T15	IF(455kHz)	79-090006			

FILTER CHOKE

ITEM No.	RATINGS			REPLACEMENT DATA			NOTES
	CURRENT (Measured)	DC RES.	INDUCTANCE (0 CURRENT 1000~)	MFGR. PART No.	THORDARSON PART No.	TRIAD PART No.	
CH	2A	.241	3.72mH	79-178013 (LJ119H004W) (1)			(1) Number on Unit

TRANSFORMER (Audio Output)

ITEM No.	IMPEDANCE		REPLACEMENT DATA			NOTES
	PRI.	SEC.	MFGR. PART No.	THORDARSON PART No.	TRIAD PART No.	
T16	8	8	79-096001 (TB628A004W) (1)		MCB26	(1) Number on unit.

SPEAKER

ITEM No.	TYPE	REPLACEMENT DATA		NOTES
		MFGR. PART No.	QUAM PART No.	
SP	3" PM, 8	79-060001	30A05Z8R	

FUSE DEVICES

ITEM No.	DESCRIPTION	REPLACEMENT DATA					
		PART No.		BUSS PART No.		LITTELFUSE PART No.	
		DEVICE	HOLDER	DEVICE	HOLDER	DEVICE	HOLDER
F1	3A		79-034001	AGC3	HDJ	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	79-038001 79-038002(1)										

MISCELLANEOUS

(1) Used in some versions.

ITEM No.	PART NAME	PART No.	NOTES
CF	Ceramic Filter	79-179002	455kHz
J1	Jack	13-159220	Antenna
J2	Jack	13-153168	PA
J3	Jack	13-153168	External Speaker
J4	Jack	13-159235	Power
J5	Jack	79-159001	Microphone
M1	Meter	79-200001	S/R
PL1	Lamp		Meter(60mA @ 5.04V)
PL2	Lamp	13-201077	Channel Indicator(30mA @ 5.12V)
S1	Switch		Power(Part of Volume Control)
S2	Switch	79-180001	Mode(AM-USB-LSB)
S3	Switch	79-183001	PA/CB(Part of Squelch Control)
S4	Switch	79-183001	N.B.
S5	Switch	79-183001	Tone
SW1	Switch	79-180002	Channel Selector
X1	Crystal	79-128001	10.0525MHz
X2	Crystal	79-128002	10.240MHz
X3	Crystal	79-128003	10.692MHz
XF	Crystal Filter	79-179001	10.695MHz(SC-107A)
VCO	Printed Circuit Board		Main(PTBM048A0X)
	Printed Circuit Board	79-075001	VCO Osc(ZZ-Z017)

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

ITEM	PART No.	ITEM	PART No.
Escutcheon	79-010005	Cabinet Bottom	79-013002
Knob, Channel Selector	79-115002	Cabinet Bottom	79-013003(1)
Knob, Control	79-110001	Channel Indicator Disc	79-115003
Knob, Control	13-110198(1)	Mounting Bracket	79-158004
Cabinet Top	79-011001	Mounting Bracket	79-158005(1)
Cabinet Top	79-011002(1)	Microphone Hanger	79-158008

(1) Used in some versions.