



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 562.38200700

MANUFACTURER'S SPECIFICATIONS

GENERAL

Frequency tolerance	: 0.005%
Operating temperature range	: -30° C to +50° C
Microphone	: 600 ohms dynamic, plug-in type (DIN 5 pin)
Input voltage	: 120V AC 60 Hz/13.8V DC
Power consumption (120VAC)	: AC 50 watts max.
Current drain (13.8V DC)	: DC 1.8 amp. max.
Size	: 9-1/8" (L) x 11-7/8" (W) x 4-3/8" (H)
Weight	: 8.4 lbs.
Antenna connector	: UHF, SO239
Semiconductors	: 38 transistors, 28 diodes
Integrated Circuits	: 7
Light Emission Diode (LED)	: 2
Meter	: Illuminated, indicates relative power output and received signal strength.
Controls	: Volume with ON-OFF switch, Squelch, Fine tuning, Antenna matcher (Semi-fixed)
Indicator	: Transmitter lamp (LED), Antenna alert lamp (LED)

TRANSMITTER

Power	: Less than 4 watts
Frequency response	: 500 to 2,000 Hz
Output impedance	: 50 ohms, unbalanced
Spurious harmonic suppression	: Better than 60 dB

RECEIVER

Sensitivity	: Less than 1 μ V for 10 dB (S+N)/N
Selectivity	: 6 dB @ 4 kHz, 50 dB @ 20 kHz
IF frequency	: 1st IF, 4,665 kHz 2nd IF, 455 kHz
Squelch	: Adjustable, 1 to 1,000 μ V
Audio output power	: 3 watts (THD 10%)
Frequency response	: 500 to 2,000 Hz
Built in speaker	: 8 ohms
External speaker	: 8 ohms, disables built in speaker when connected

Courtesy of the Manufacturer

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

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SEARS MODEL 562.38200700

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 R502 adjusted for 13.80 volts at TP20 (Q502, Emitter). 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:

L14 5009, 8275, 9089
T4 thru T8, T13, L13 5009, 8728A, 8728
L3, L4, L5, L11, L12, T1, T2, T3, T9 ... 9440
C173, C301 8276, 5000

SYNTHESIZER ALIGNMENT

TEST EQUIPMENT	TRANSCIVER	ADJUST	REMARKS
Input of oscilloscope to TP21 (T13, Tap).	Ch. 19	T13	Adjust for maximum RF.
Input of frequency counter to TP21 (T13, Tap).	Ch. 19		Check for 5.120MHz.
Input of frequency counter to TP27 (Q38, Emitter).	Ch. 19, Fine Tune Midrange	L14	Adjust for 10.825MHz.
Input of frequency counter to TP22 (Q37, Emitter).	Ch. 19, XMT	C173	Adjust for 13.1575MHz.
Input of DC meter to TP23 (IC7 Pin 1).	Ch. 19, Fine Tune Midrange	L12	Adjust for 2.8 volts.
	Ch. 19, XMT	L11	Adjust for 2.6 volts.
Input of frequency counter to TP24 (Junction of C159 and R252).	Ch. 1, Fine Tune Midrange		Check for 22.300MHz. Check all frequencies. (See Truth Chart for correct frequencies.)
	Ch. 1, XMT		Check for 26.965MHz. Check all frequencies. (See Truth Chart for correct frequencies.)
Input of oscilloscope to TP25 (Q36, Collector).	Ch. 19	L13	Adjust for symmetrical square wave.
Input of frequency counter to TP25 (Q36, Collector).	Ch. 1		Check for .650MHz. Check all channels. (See Truth Chart for correct frequencies.)
Input of frequency counter to TP26 (Q43, Collector).	Ch. 1, XMT		Check for .650MHz. Check all channels. (See Truth Chart for correct frequencies.)
Input of frequency counter to antenna jack.	Ch. 1, XMT	C173	Check for 26.965MHz. If necessary adjust C173 for 26.965MHz.

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. Fine Tune Midrange, Squelch MINIMUM.

TEST EQUIPMENT	TRANSCIVER	ADJUST	REMARKS
Output of signal generator thru .01uF to TP3. 455kHz, 1000Hz @ 30% modulation.	Ch. 19	T8, T7, T6	Adjust for maximum output.
Output of signal generator thru .01uF to antenna jack. 27.185MHz, 1000Hz @ 30% modulation.	Ch. 19	T5, T4, T3, T2, T1	Adjust for maximum output. If necessary readjust T6, T7 and T8.

RECEIVER ADJUSTMENTS

Connect an AC VTVM or AF wattmeter across speaker voice coil.
Adjust volume control to obtain a suitable indication.
Fine Tune Midrange, Squelch Maximum.

TEST EQUIPMENT	TRANSCEIVER	ADJUST	REMARKS
Output of signal generator thru .01uF to antenna jack. 27.185MHz, 1000Hz @ 30% modulation. Output 6,000uV.	Ch. 19	R60	SQUELCH RANGE Adjust so that squelch just breaks.
Output of signal generator thru .01uF to antenna jack. 27.185MHz, 1000Hz @ 30% modulation. Output 100uV	Ch. 19 Squelch MINIMUM	R28	S METER Adjust for 9 on S scale of meter.

TRANSMITTER ALIGNMENT

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

TEST EQUIPMENT	TRANSCEIVER	ADJUST	REMARKS
	Ch. 19	T9, L4, L5 L3, C301	Adjust for maximum.
	Ch. 19	L3	Adjust for 4 watts maximum.

TRANSMITTER ADJUSTMENTS

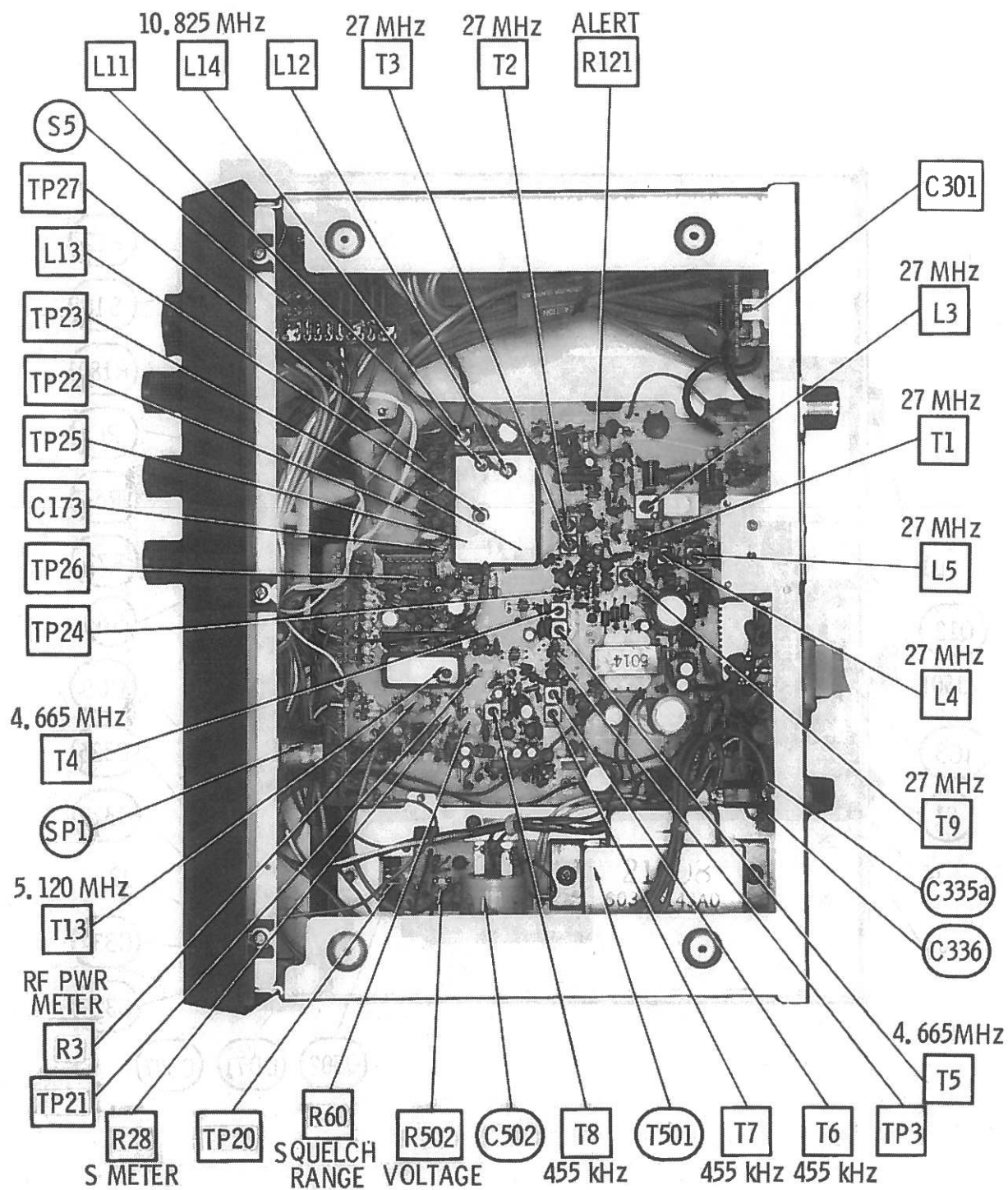
Connect an RF wattmeter and 50-ohm, 25-watt dummy load to antenna connector.
NOTE: Be sure to check transmit frequency and power on all active channels after alignment of transmitter.
See page 4 for channel frequencies.

TEST EQUIPMENT	TRANSCEIVER	ADJUST	REMARKS
Input of DC meter to TP20 (Q502, Emitter).	Ch. 19	R502	VOLT REG Adjust for 13.80 volts.
Connect an RF wattmeter and 50-ohm, 25 watt dummy load to antenna connector.	Ch. 19	R3	RF POWER METER Adjust so that RF power meter reads in the center of the red on RF power scale of meter.
Connect a 150 ohm, 5 watt non-inductive resistor to the antenna connector.	Ch. 19	R121	ALERT Adjust so that ALERT indicator just lights.

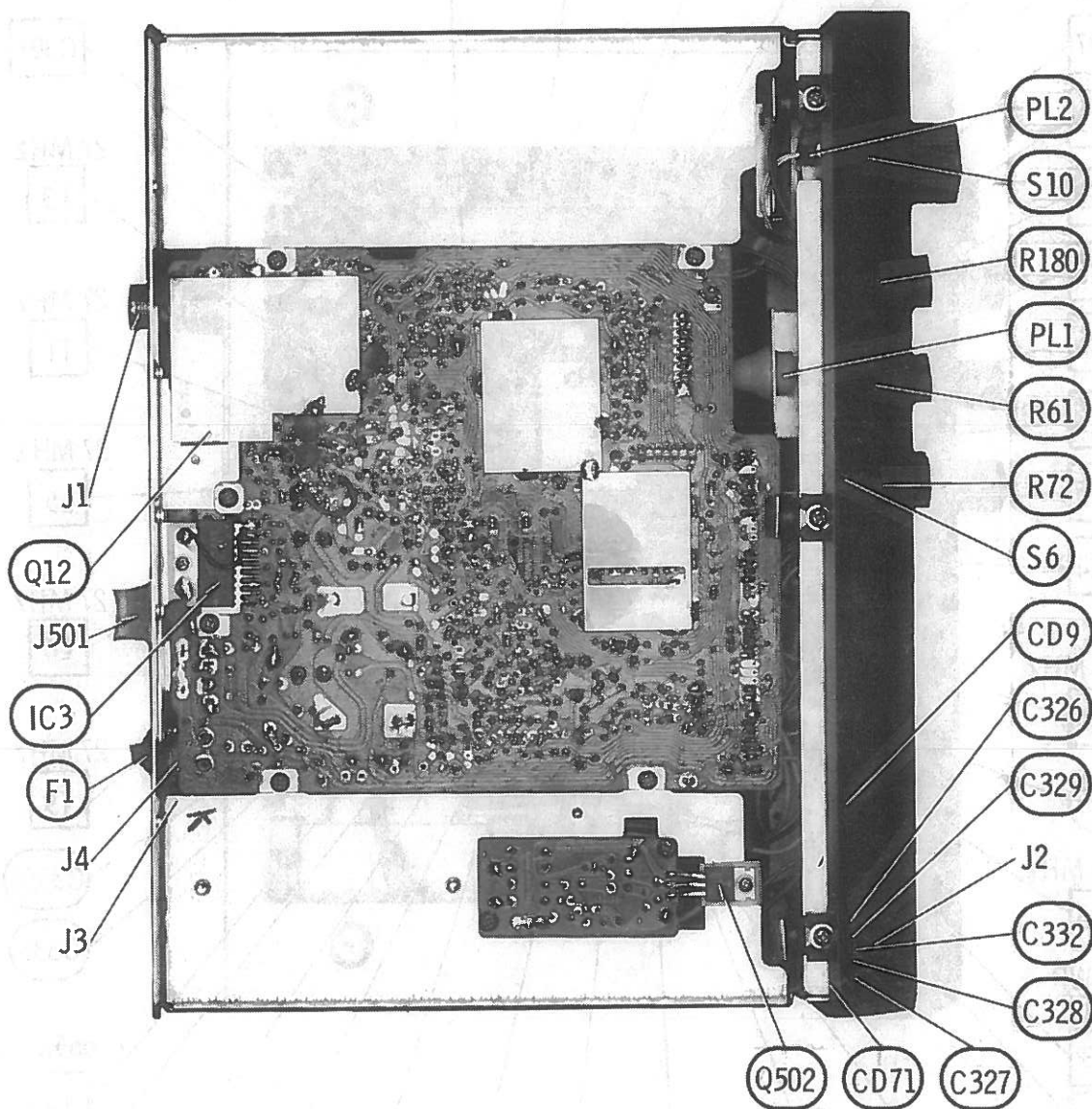
SEARS MODEL 562.38200700

TRUTH CHART

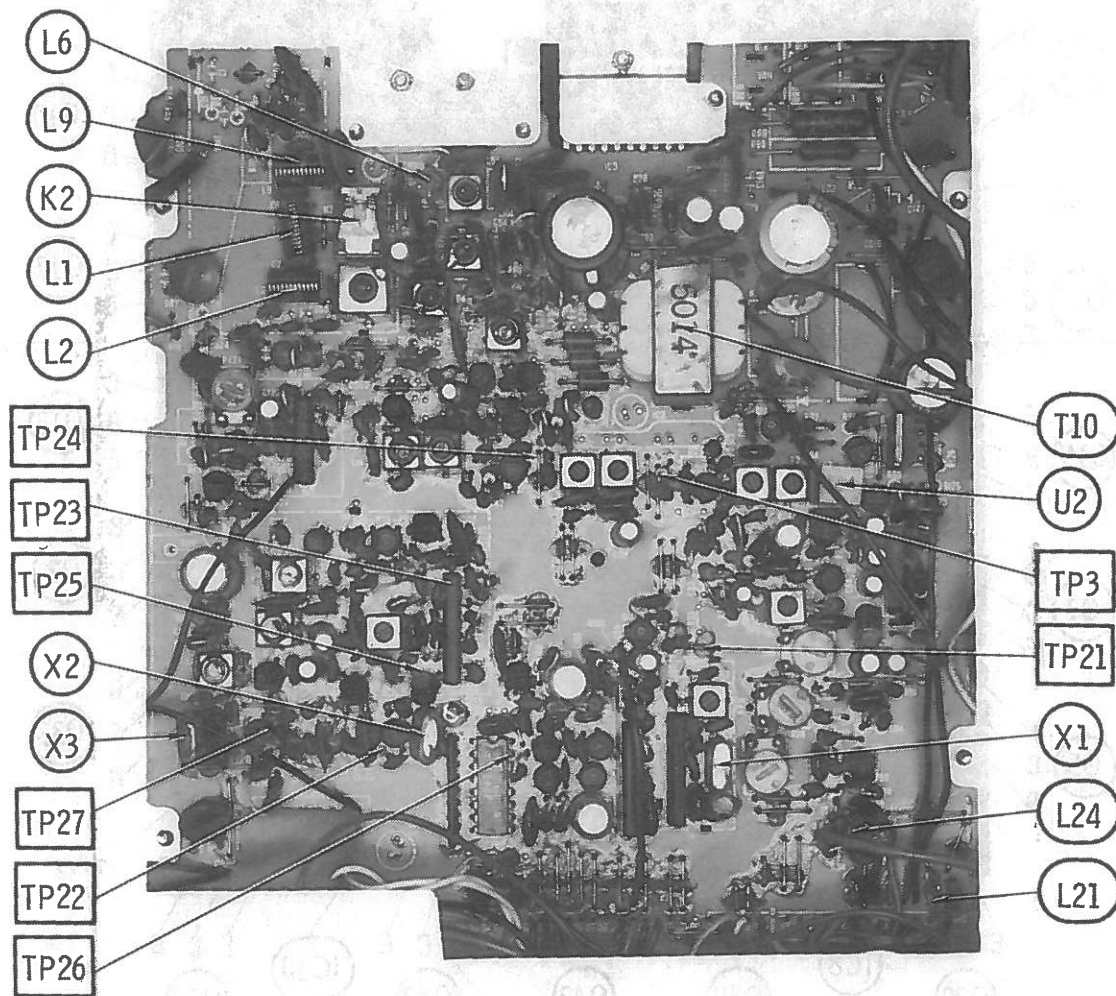
CHANNEL	1 = 8.00 Volts 0 = 0 Volts							REC SYNTHESIZER OUTPUT IN MHz AT TP24	XMT SYNTHESIZER OUTPUT IN MHz AT TP24	DIVIDER OUTPUT REC & XMT IN MHz AT TP25 (Q36 COLLECTOR)	VCM REC & XMT OUTPUT IN MHz AT TP26 (Q43, COLLECTOR)
	IC10 PROGRAM DIVIDER										
	PINS										
	7	6	5	4	3	2					
1	0	0	0	0	0	1		22.300	26.965	.650	.650
2	0	0	0	0	1	0		22.310	26.975	.660	.660
3	0	0	0	0	1	1		22.320	26.985	.670	.670
4	0	0	0	1	0	1		22.340	27.005	.690	.690
5	0	0	0	1	1	0		22.350	27.015	.700	.700
6	0	0	0	1	1	1		22.360	27.025	.710	.710
7	0	0	1	0	0	0		22.370	27.035	.720	.720
8	0	0	1	0	1	0		22.390	27.055	.740	.740
9	0	0	1	0	1	1		22.400	27.065	.750	.750
10	0	0	1	1	0	0		22.410	27.075	.760	.760
11	0	0	1	1	0	1		22.420	27.085	.770	.770
12	0	0	1	1	1	1		22.440	27.105	.790	.790
13	0	1	0	0	0	0		22.450	27.115	.800	.800
14	0	1	0	0	0	1		22.460	27.125	.810	.810
15	0	1	0	0	1	0		22.470	27.135	.820	.820
16	0	1	0	1	0	0		22.490	27.155	.840	.840
17	0	1	0	1	0	1		22.500	27.165	.850	.850
18	0	1	0	1	1	0		22.510	27.175	.860	.860
19	0	1	0	1	1	1		22.520	27.185	.870	.870
20	0	1	1	0	0	1		22.540	27.205	.890	.890
21	0	1	1	0	1	0		22.550	27.215	.900	.900
22	0	1	1	0	1	1		22.560	27.225	.910	.910
23	0	1	1	1	1	0		22.590	27.255	.940	.940
24	0	1	1	1	0	0		22.570	27.235	.920	.920
25	0	1	1	1	0	1		22.580	27.245	.930	.930
26	0	1	1	1	1	1		22.600	27.265	.950	.950
27	1	0	0	0	0	0		22.610	27.275	.960	.960
28	1	0	0	0	0	1		22.620	27.285	.970	.970
29	1	0	0	0	1	0		22.630	27.295	.980	.980
30	1	0	0	0	1	1		22.640	27.305	.990	.990
31	1	0	0	1	0	0		22.650	27.315	1.000	1.000
32	1	0	0	1	0	1		22.660	27.325	1.010	1.010
33	1	0	0	1	1	0		22.670	27.335	1.020	1.020
34	1	0	0	1	1	1		22.680	27.345	1.030	1.030
35	1	0	1	0	0	0		22.690	27.355	1.040	1.040
36	1	0	1	0	0	1		22.700	27.365	1.050	1.050
37	1	0	1	0	1	0		22.710	27.375	1.060	1.060
38	1	0	1	0	1	1		22.720	27.385	1.070	1.070
39	1	0	1	1	0	0		22.730	27.395	1.080	1.080
40	1	0	1	1	0	1		22.740	27.405	1.090	1.090



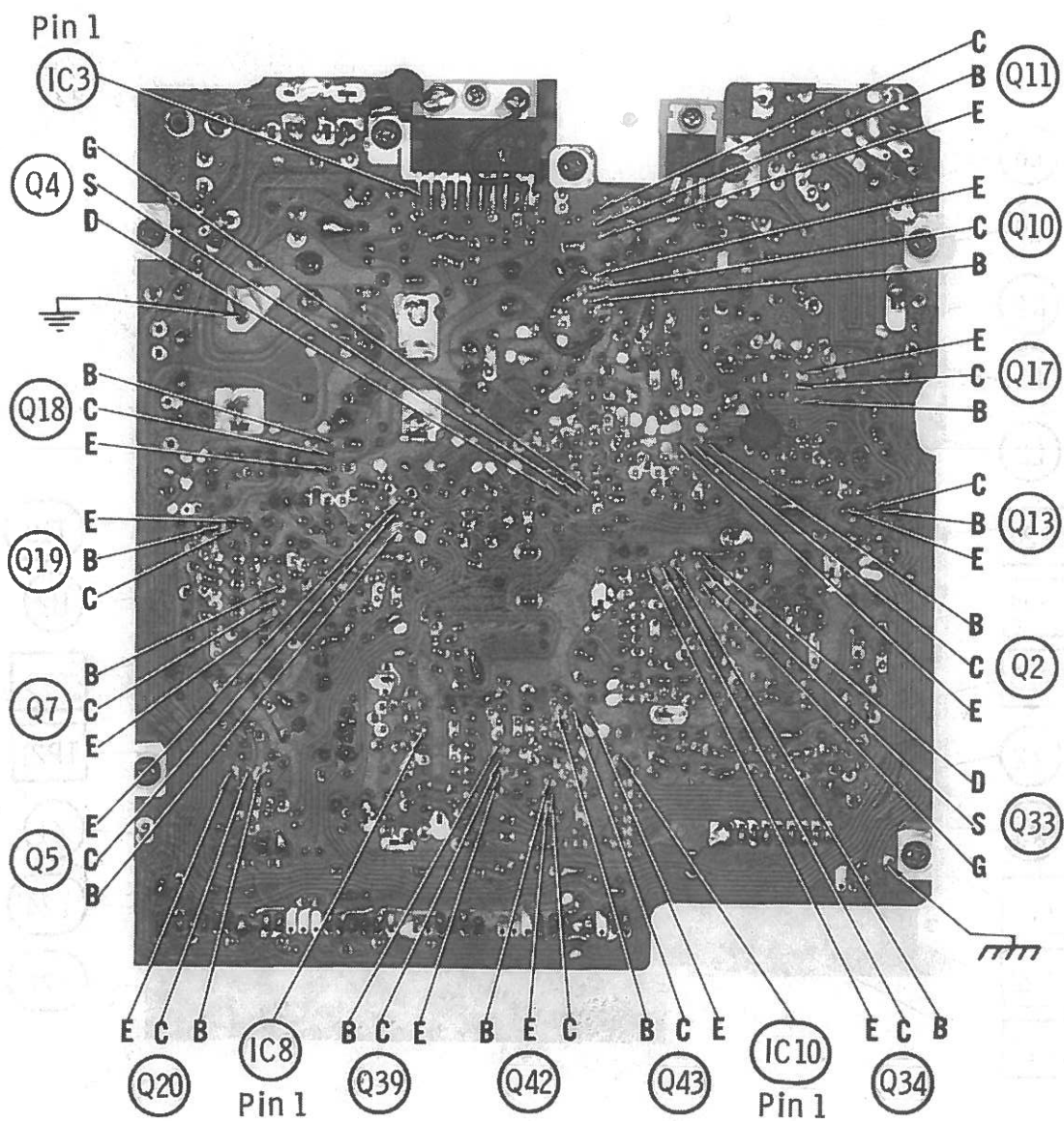
CHASSIS - BOTTOM



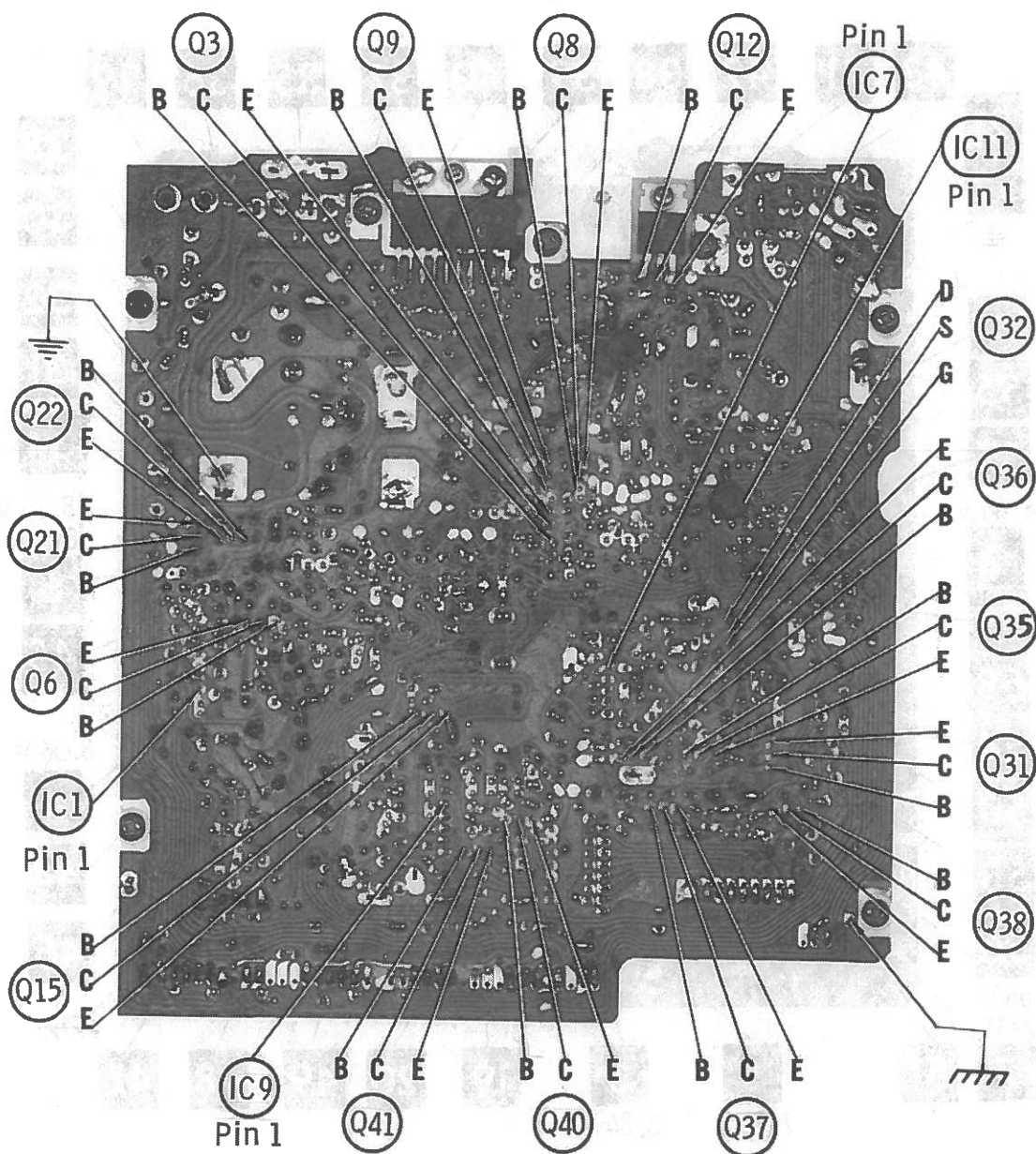
CHASSIS - TOP



MAIN BOARD

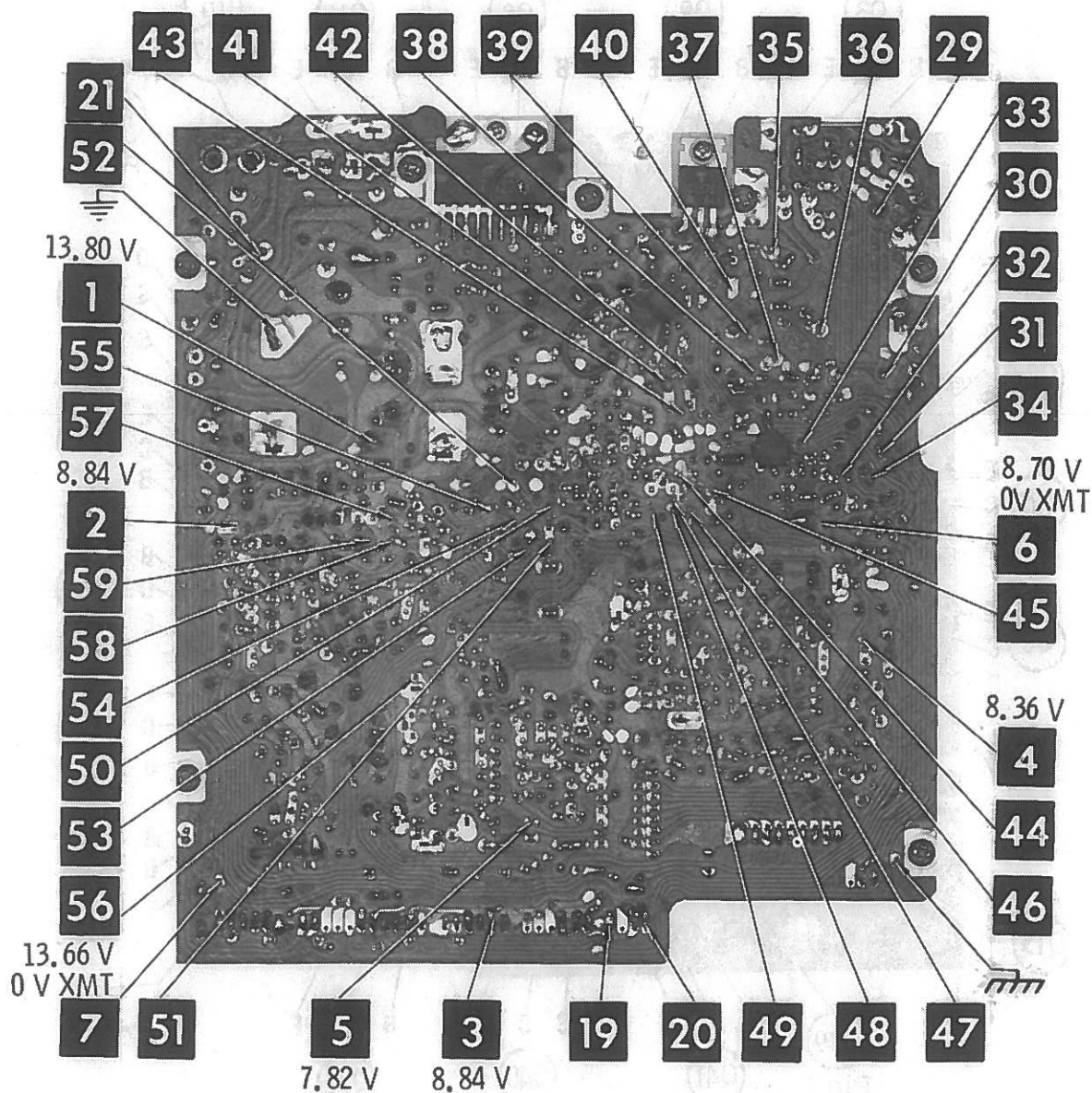


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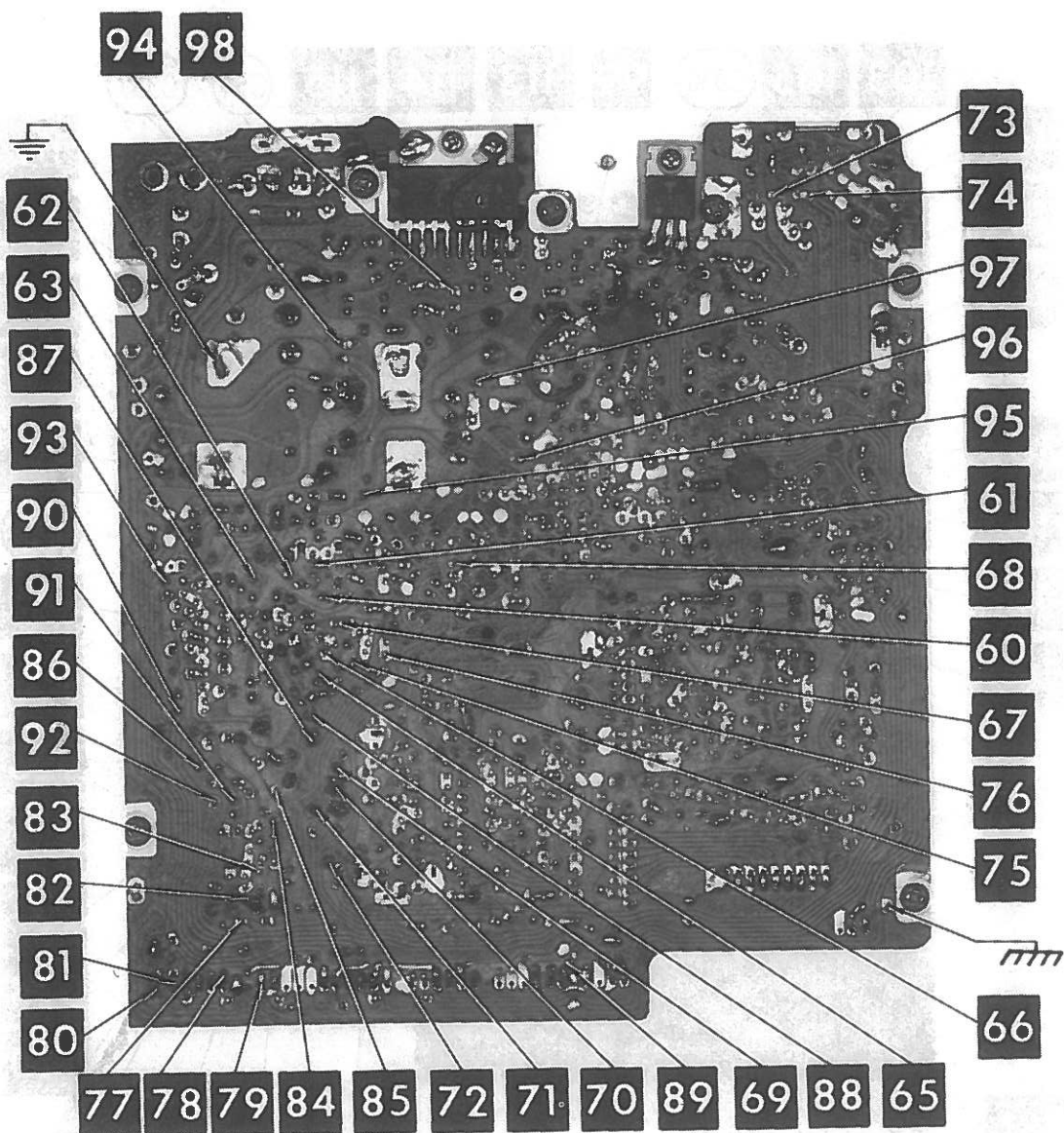


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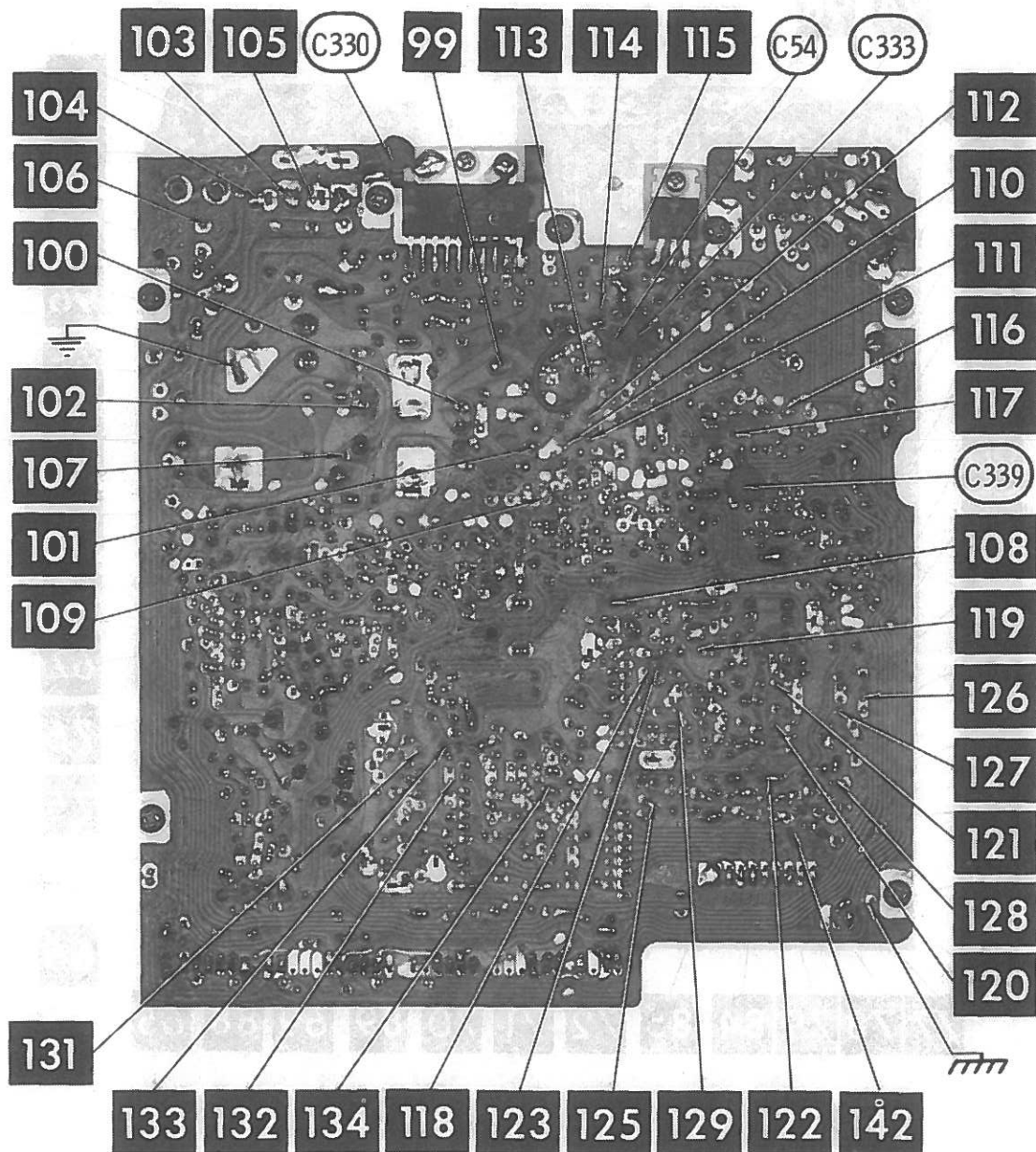
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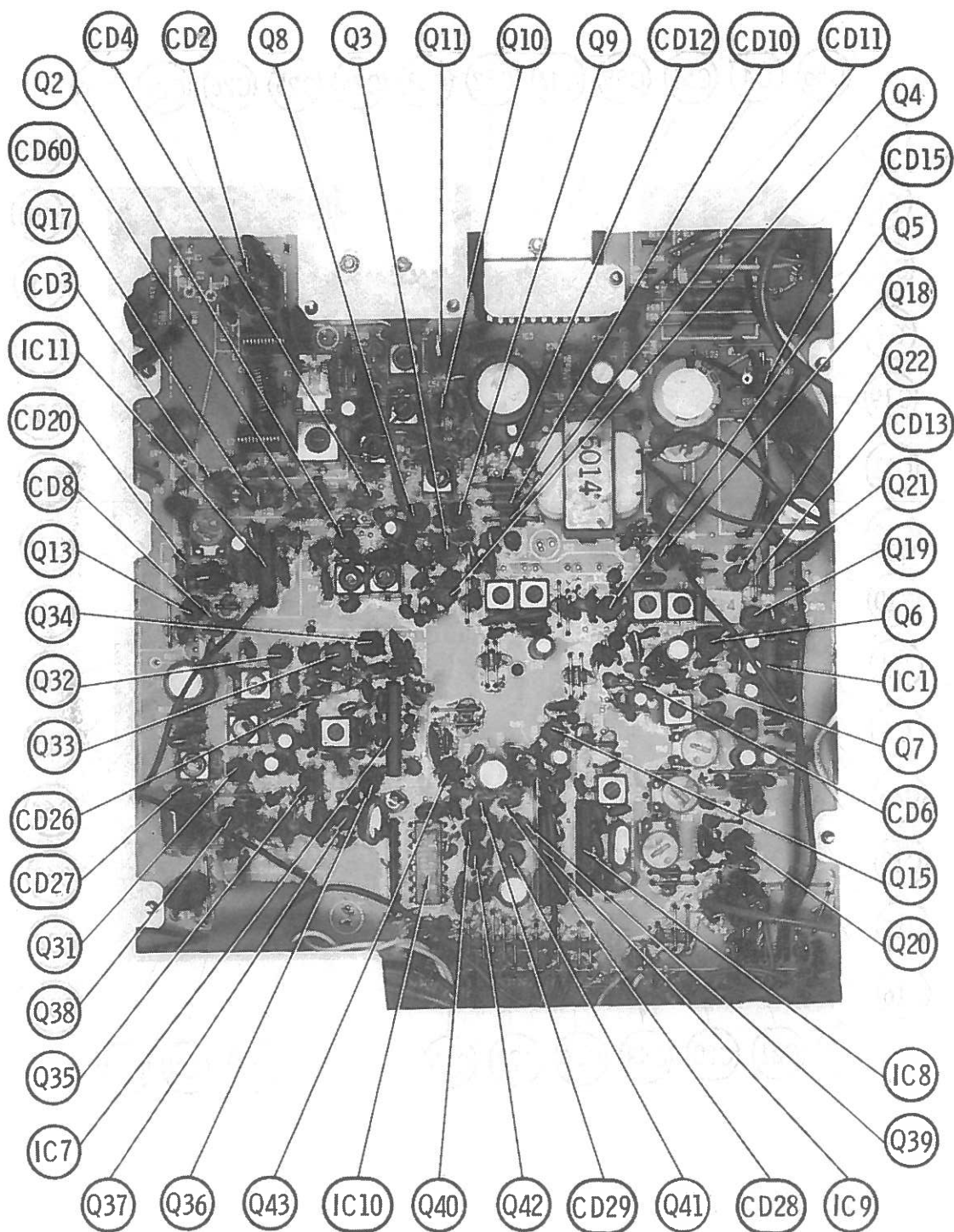
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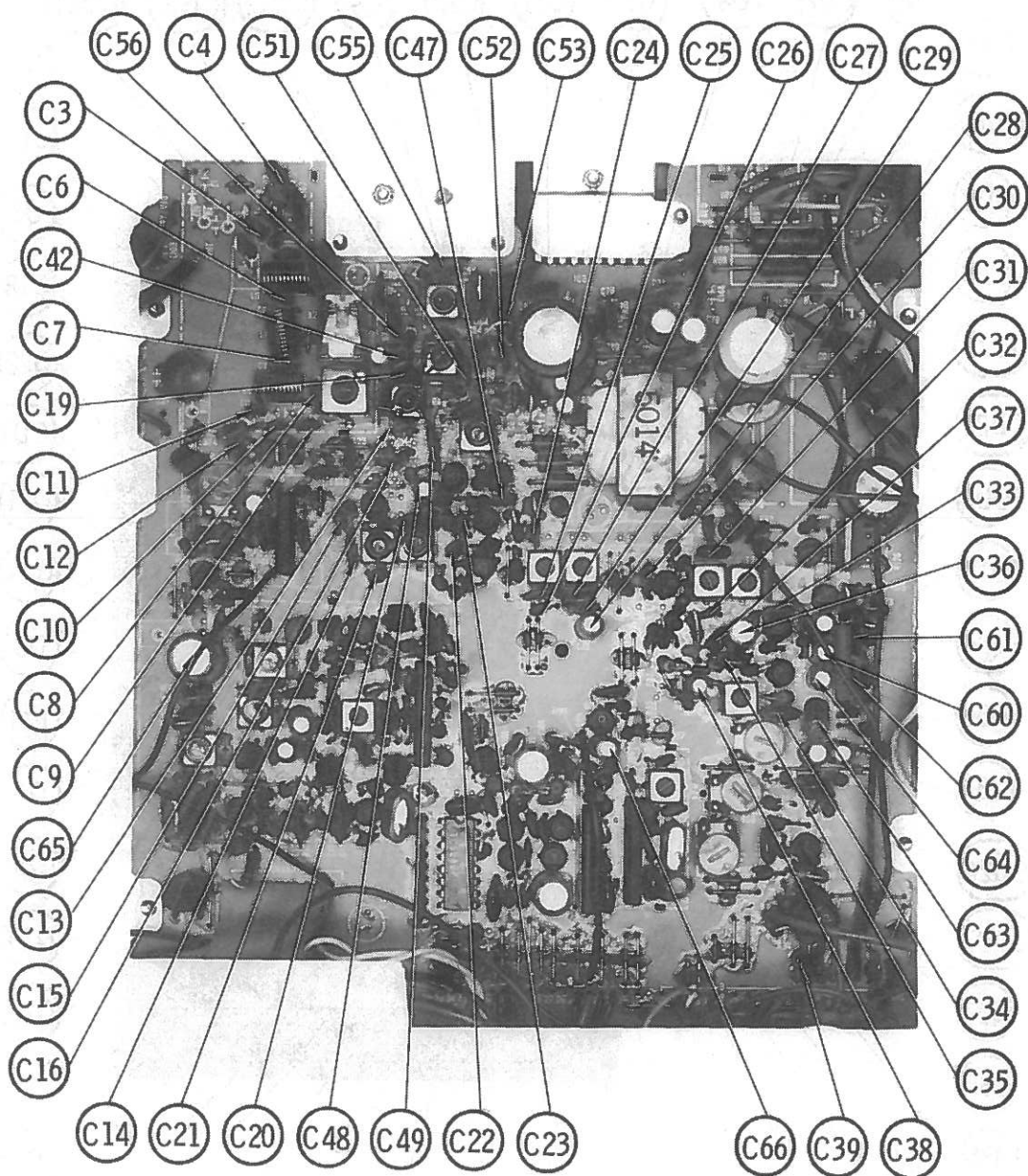
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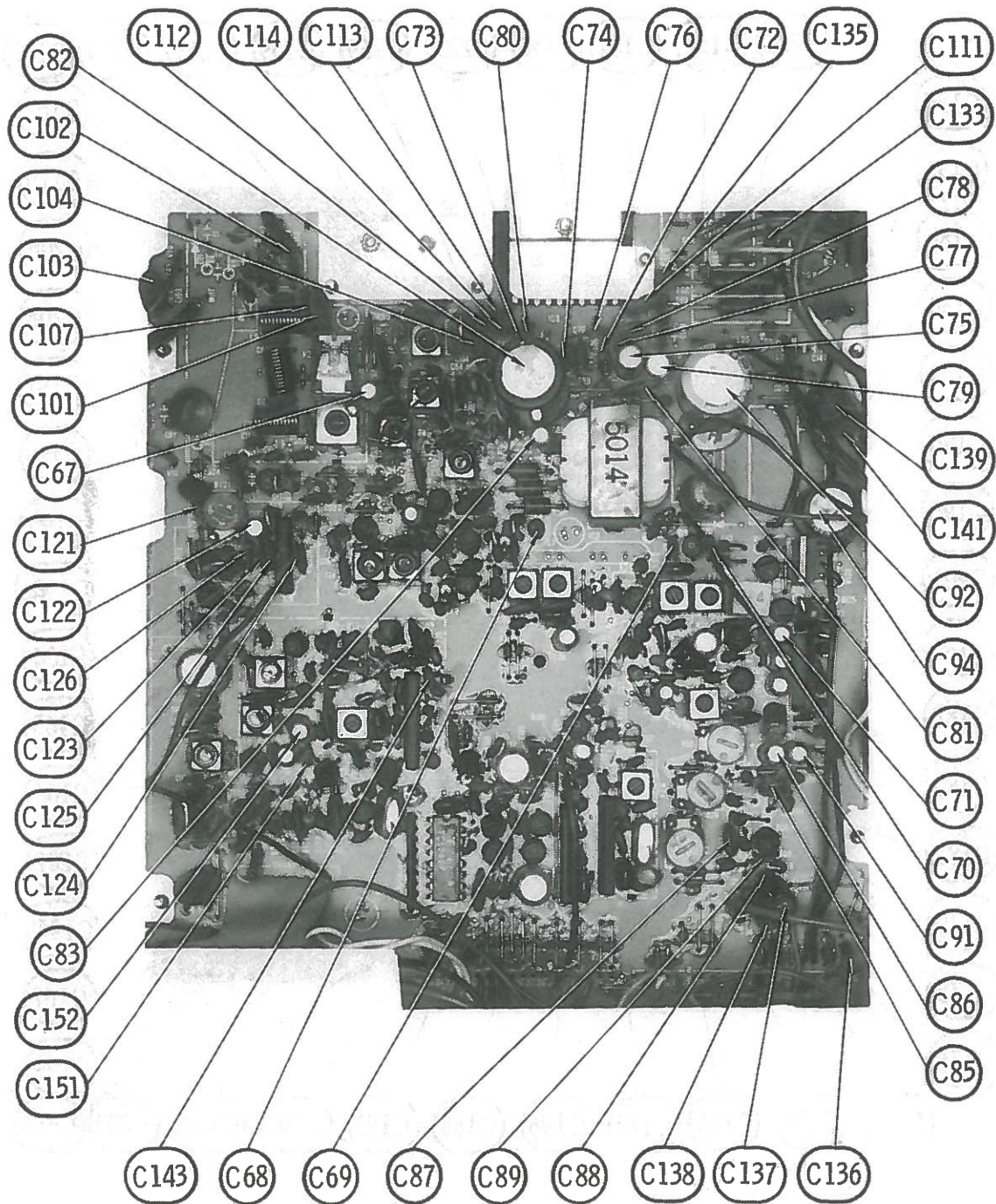
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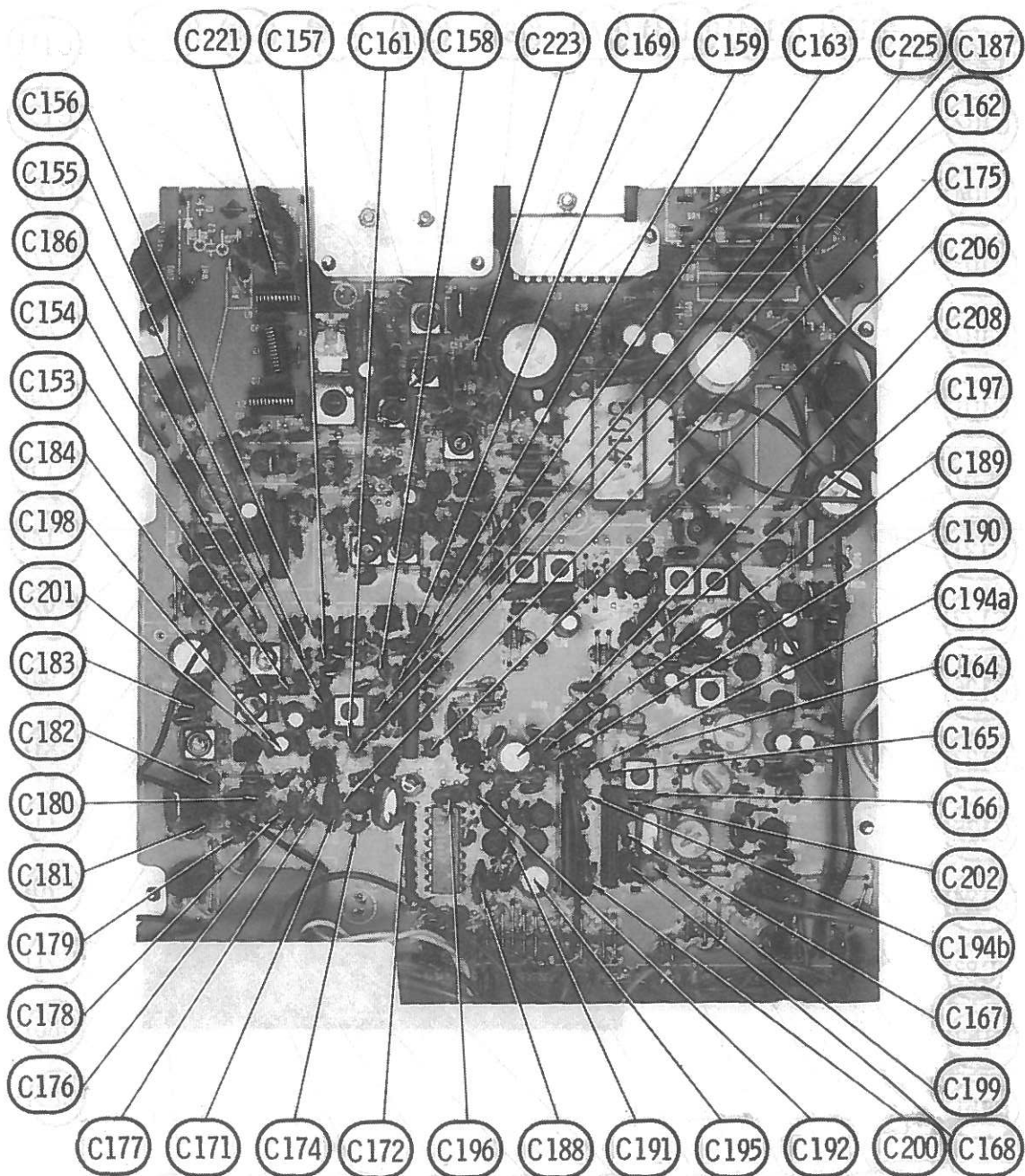
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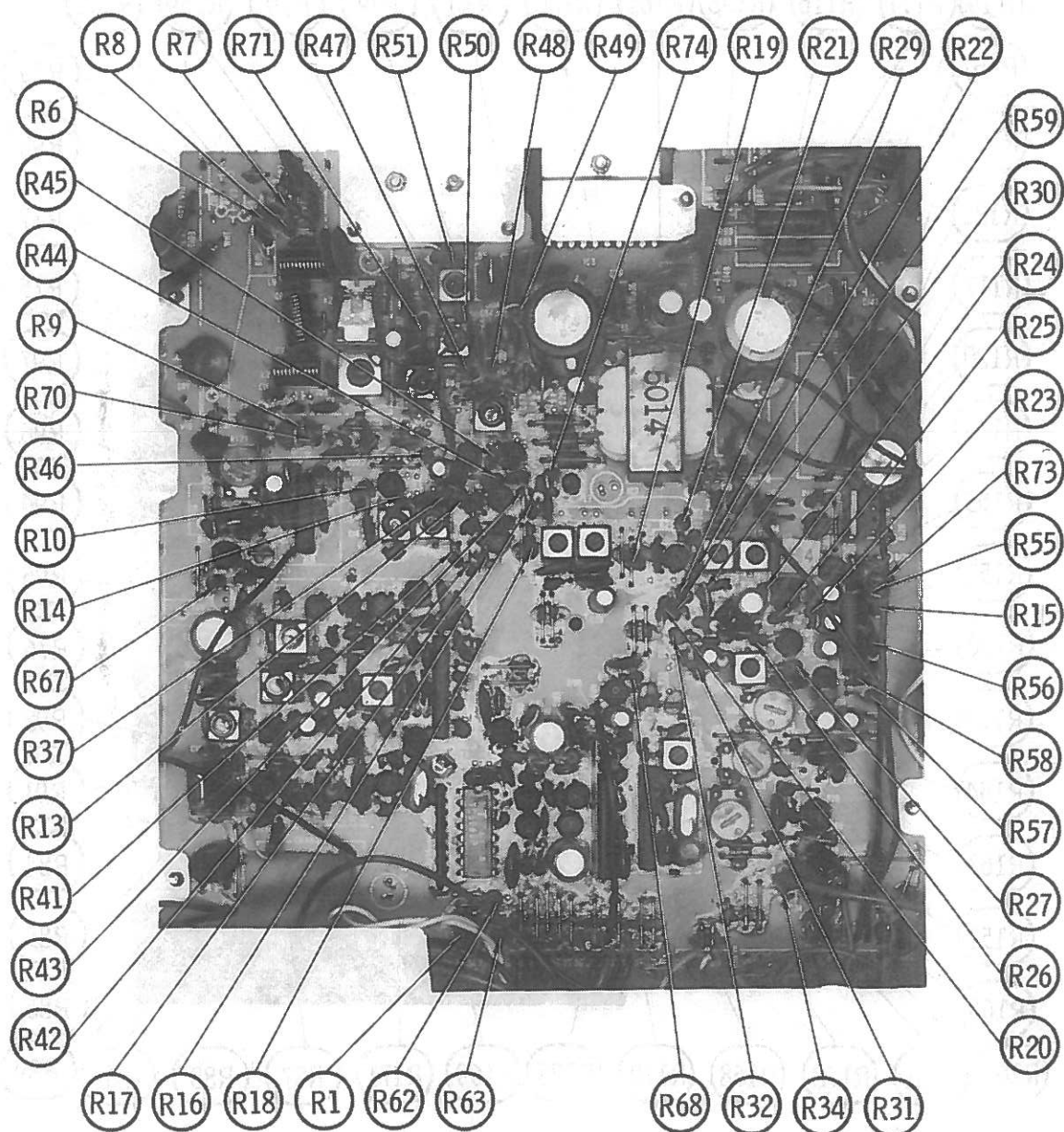
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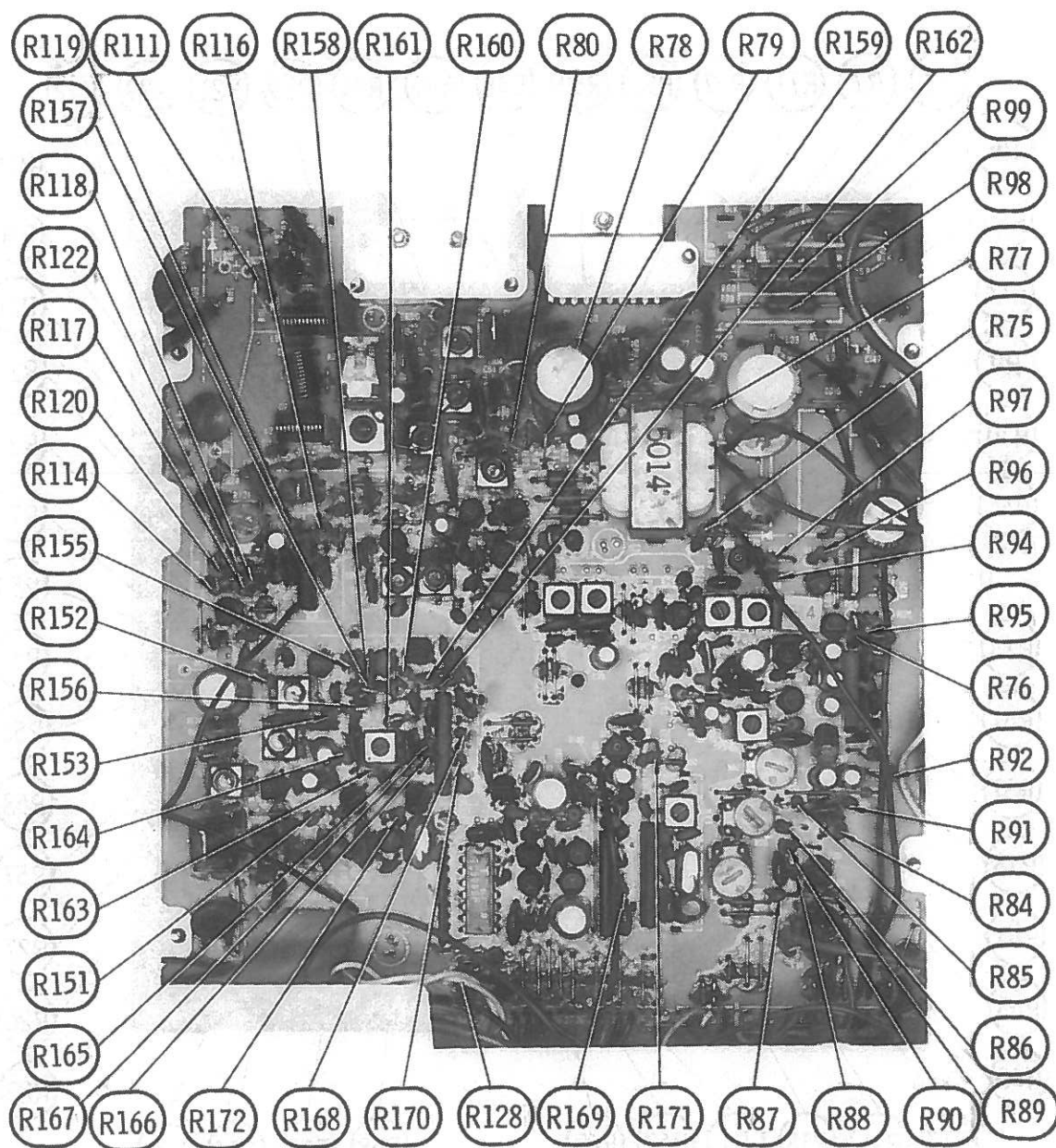
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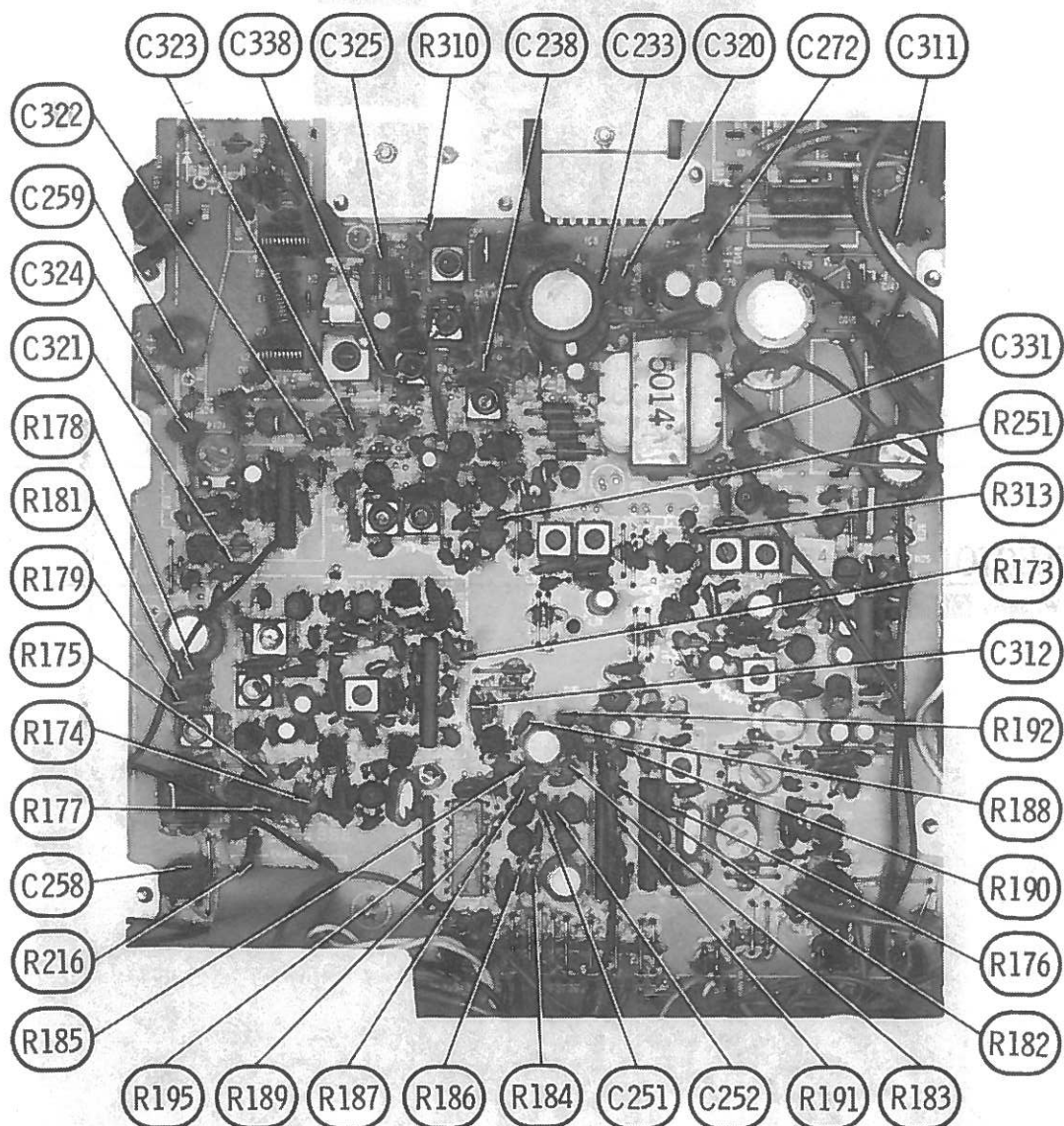
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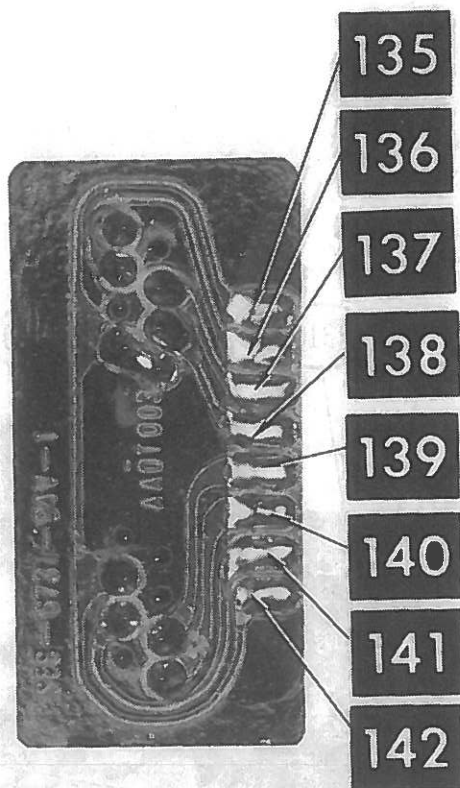
MAIN BOARD



MAIN BOARD

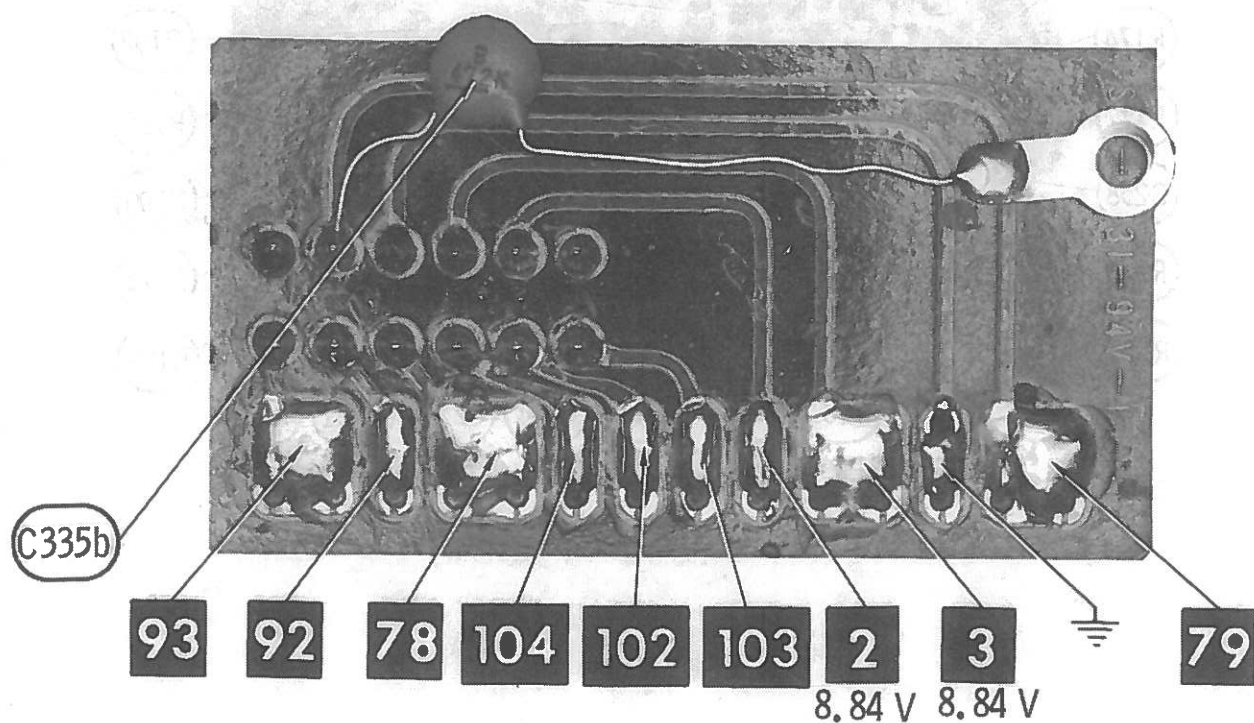


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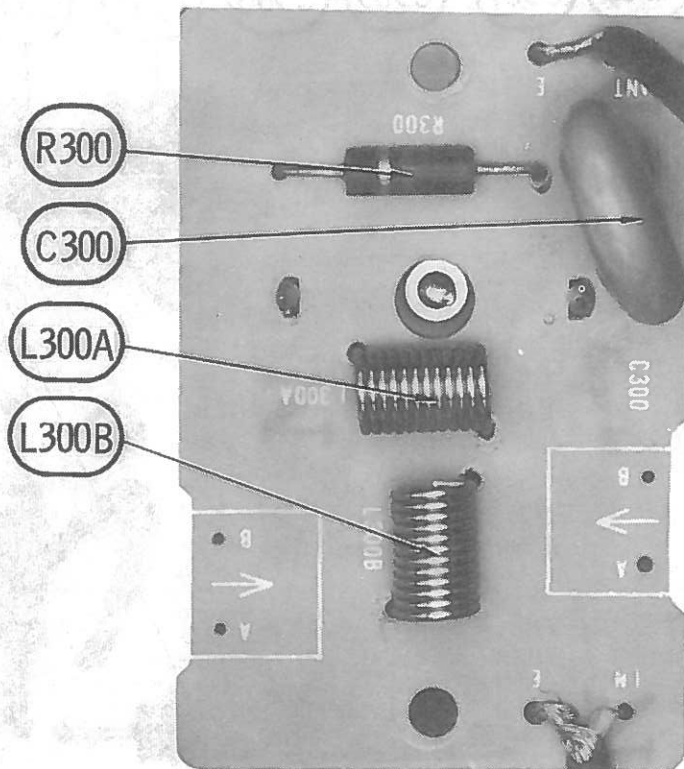
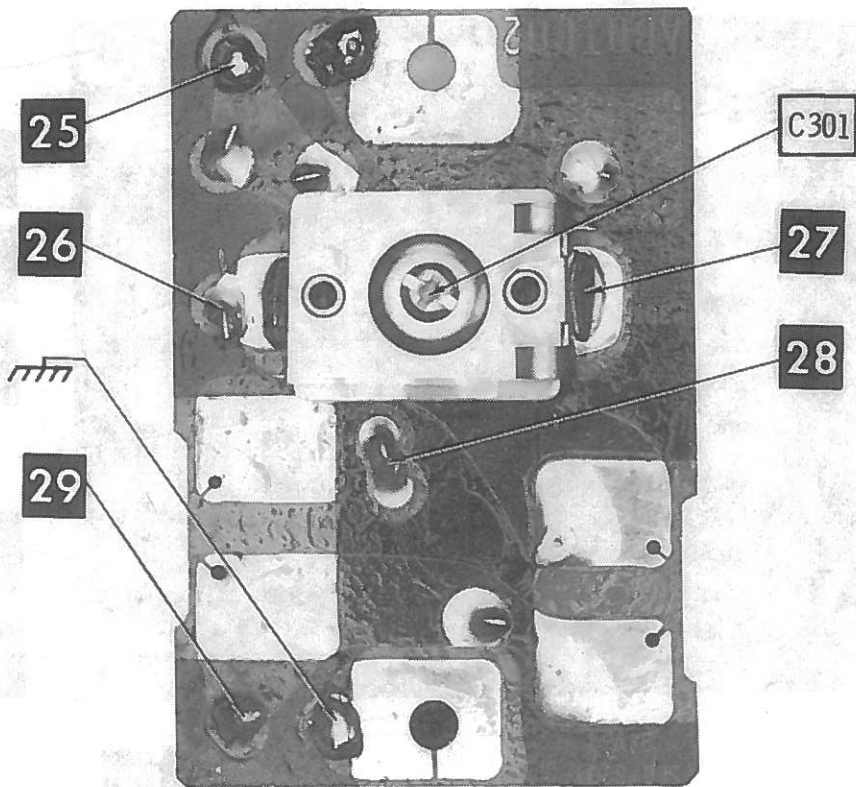


CH. SELECTOR BOARD

A Howard W. Sams CIRCUITRACE® Photo

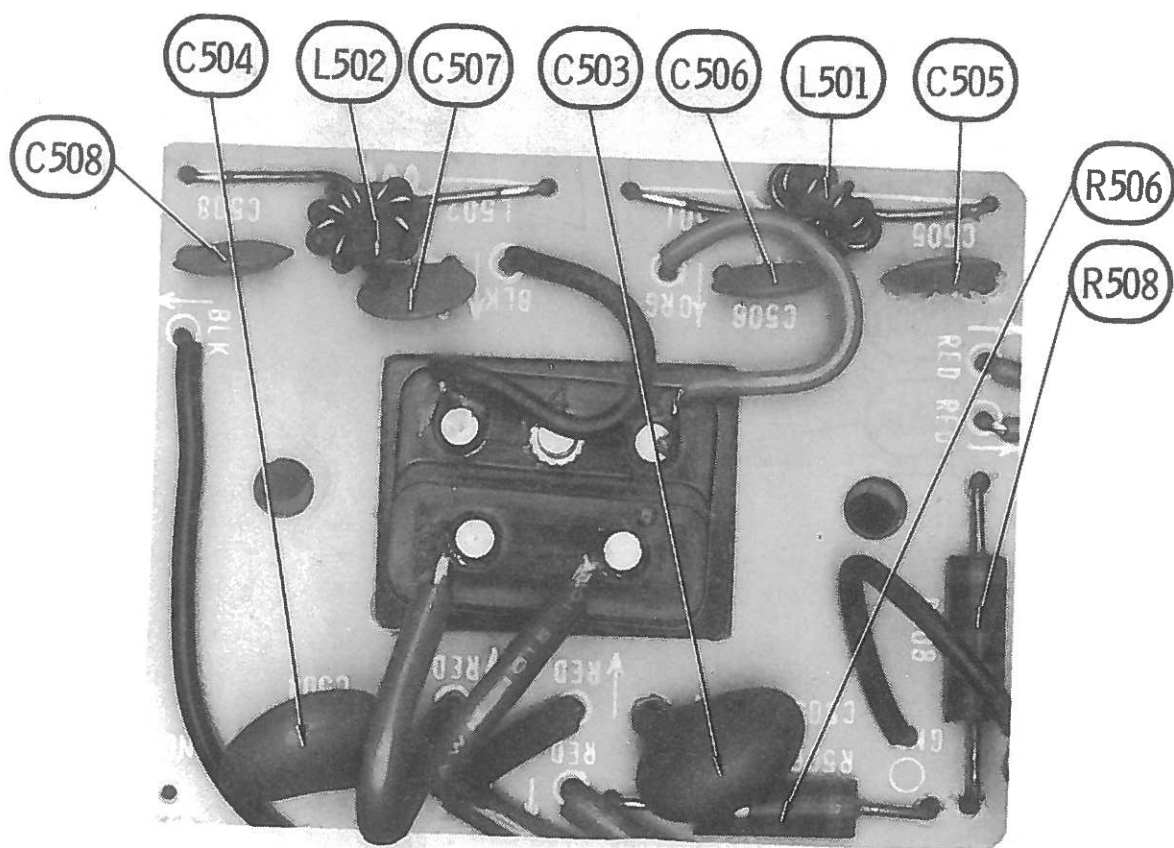
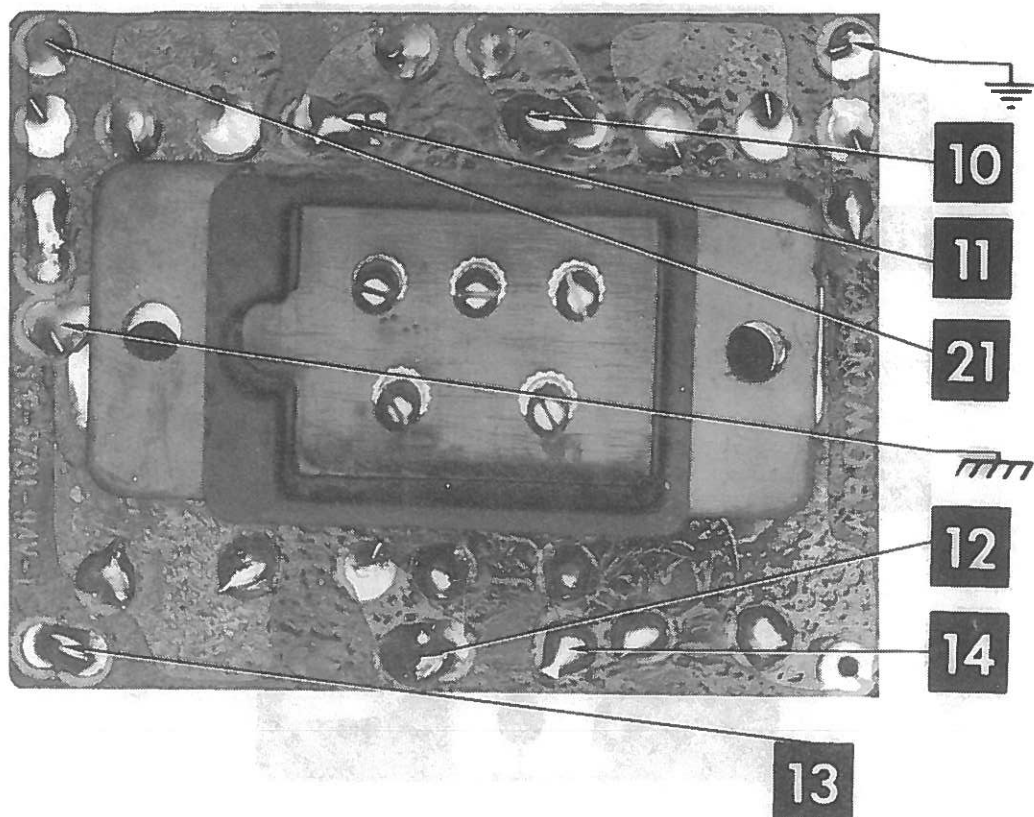


CB- PA SWITCH BOARD

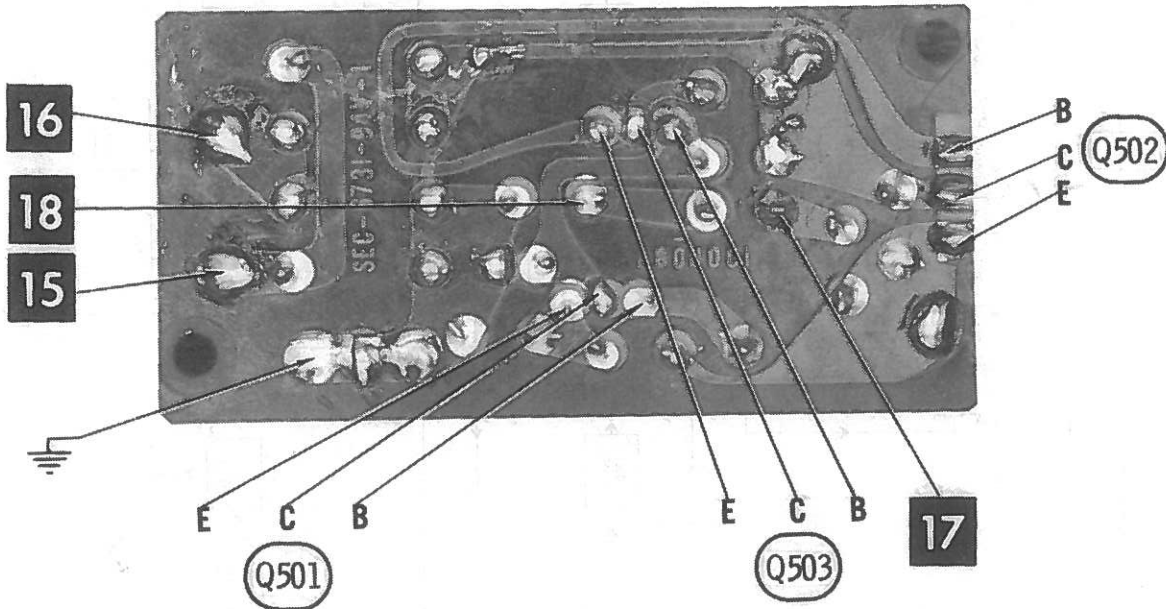


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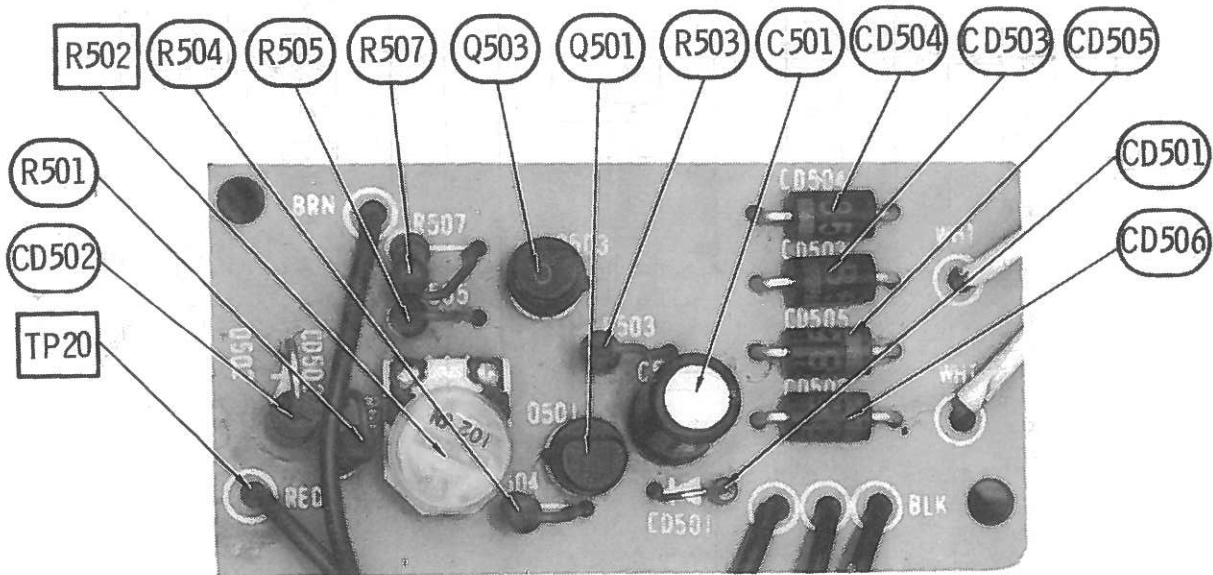
ANT. BOARD



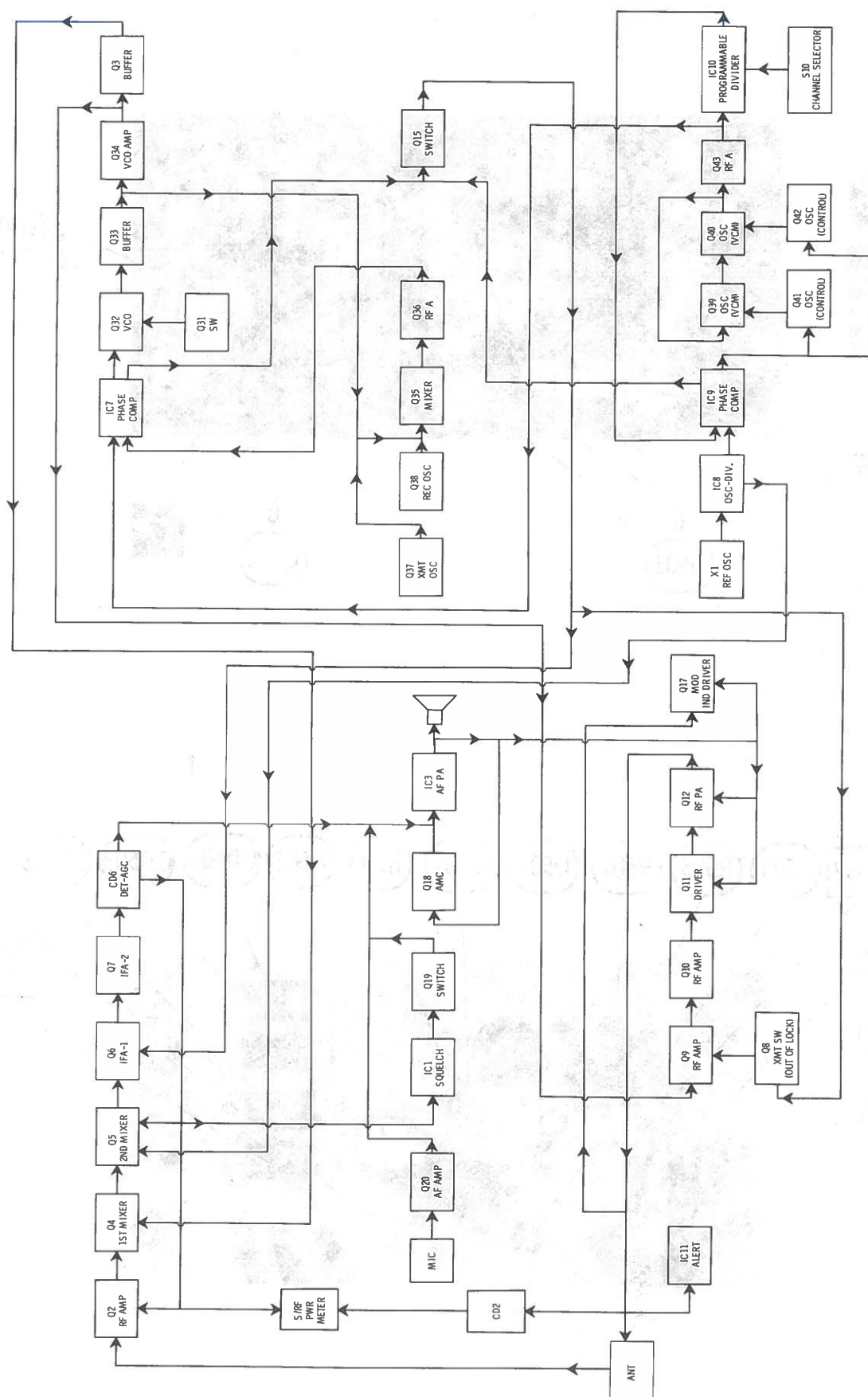
POWER BOARD



SEARS MODEL 562.38200700



POWER SUPPLY BOARD



BLOCK DIAGRAM

PARTS LIST AND DESCRIPTION

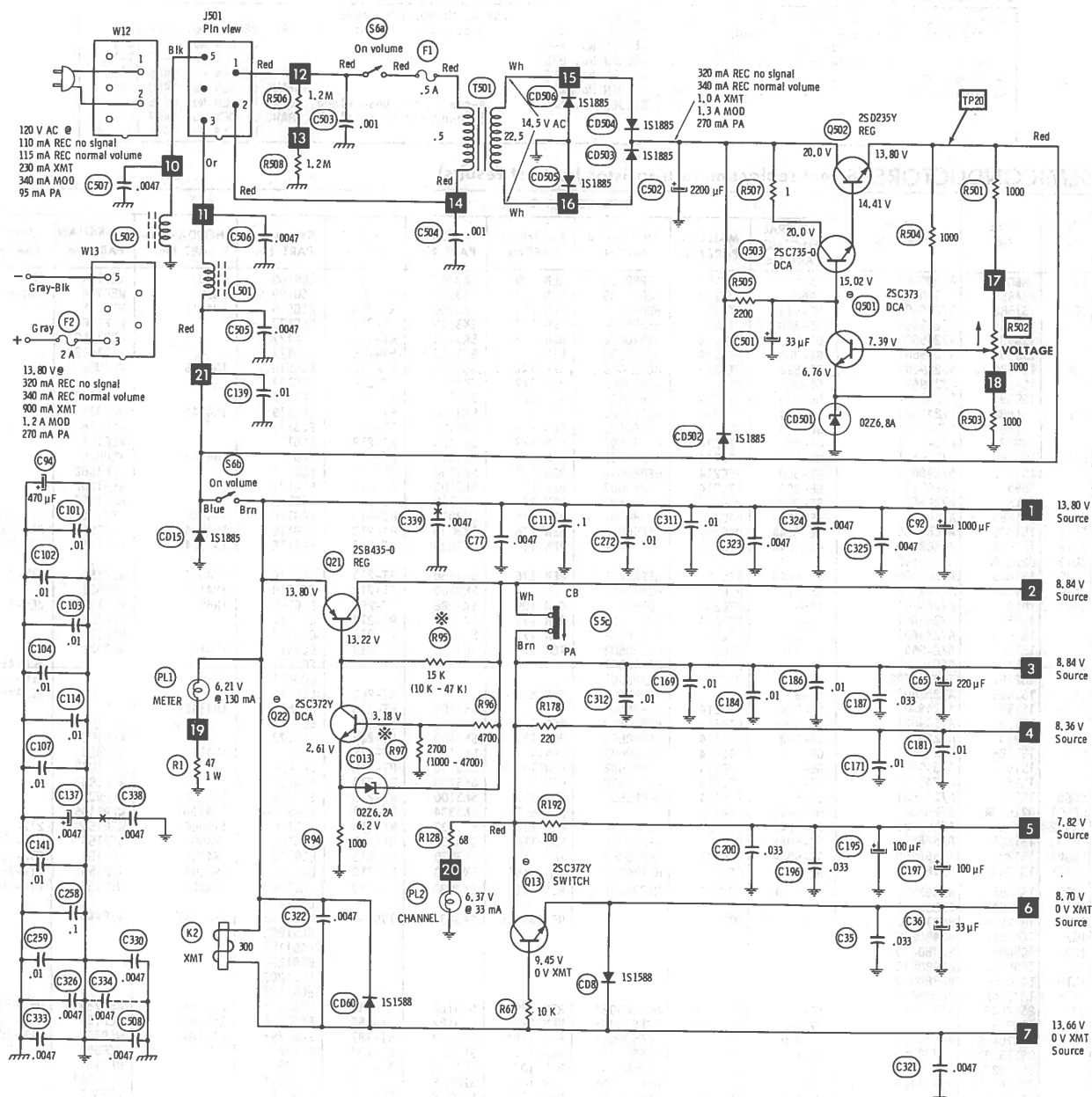
(When ordering parts, state Model, Part Number, and Description.)

WIRING DATA

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

SEMICONDUCTORS (Select replacement transistor for best results)

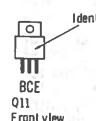
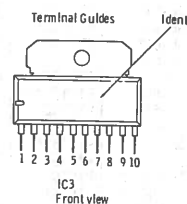
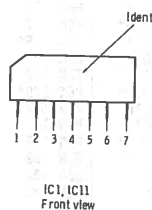
REPLACEMENT DATA												
ITEM No.	TYPE No.	MFG. PART No.	GENERAL ELECTRIC PART No.	MALLORY PART No.	MOTOROLA PART No.	RAYTHEON PART No.	RCA PART No.	SPRAGUE PART No.	SYLVANIA PART No.	THORDARSON PART No.	WORKMAN PART No.	ZENITH PART No.
CD2	1N60	A7000900	1N60	PTC206	HEPR9135	REN 109	SK3088	RT-263	ECG109	1N60	WEP134	ZEN-430
CD3	M8485	A7000900	1N60	PTC206	HEPR9135	REN 109	SK3088	RT-263	ECG109	1N60	WEP134	ZEN-430
	1S1588	A7249601	GE-514	PTC214	HEPR0602	REN 177	SK3100	RT-218	ECG519	1N4148	WEP925	
	1S1555	A7249601	GE-300	PTC214	HEPR0602	REN 177	SK3100	RT-218	ECG177		WEP1062	
	1S953	A7249601	GE-300	PTC214	HEPR0602	REN 177	SK3100	RT-218	ECG177		WEP1062	
CD4	1S553	A7249601	GE-300	PTC214	HEPR0602	REN 177	SK3100	RT-218	ECG177		WEP1062	
	1S1588	A7249601	GE-514	PTC214	HEPR0602	REN 177	SK3100	RT-218	ECG519	1N4148	WEP925	
	1S1555	A7249601	GE-300	PTC214	HEPR0602	REN 177	SK3100	RT-218	ECG177		WEP1062	
	1S953	A7249601	GE-300	PTC214	HEPR0602	REN 177	SK3100	RT-218	ECG177		WEP1062	
CD6	1S1588	A7249601	GE-514	PTC214	HEPR0602	REN 177	SK3100	RT-218	ECG519	1N4148	WEP925	
	1S1555	A7249601	GE-300	PTC214	HEPR0602	REN 177	SK3100	RT-218	ECG177		WEP1062	
	1S953	A7249601	GE-300	PTC214	HEPR0602	REN 177	SK3100	RT-218	ECG177		WEP1062	
	1S1588	A7249601	GE-514	PTC214	HEPR0602	REN 177	SK3100	RT-218	ECG519	1N4148	WEP925	
CD8	1S1555	A7249601	GE-300	PTC214	HEPR0602	REN 177	SK3100	RT-218	ECG177		WEP1062	
	1S953	A7249601	GE-300	PTC214	HEPR0602	REN 177	SK3100	RT-218	ECG177		WEP1062	
	1S553	A7249601	GE-300	PTC214	HEPR0602	REN 177	SK3100	RT-218	ECG177		WEP1062	
	1S1885	A7568500	GE-504A	PTC201	HEPR0052	REN 116	SK3030	RT-213	ECG116	1N4004	WEP156	212-76
CD10	1S1885	A7568500	GE-504A	PTC201	HEPR0052	REN 116	SK3030	RT-213	ECG116	1N4004	WEP156	212-76
CD11	1S1885	A7568500	GE-504A	PTC201	HEPR0052	REN 116	SK3030	RT-213	ECG116	1N4004	WEP156	212-76
CD12	1S1885	A7568500	GE-504A	PTC201	HEPR0052	REN 116	SK3030	RT-213	ECG116	1N4004	WEP156	212-76
CD13	02Z6.2A	A7286100	GE-504A	PTC201	HEPR0052	REN 116	SK3030	RT-213	ECG116	1N4004	WEP156	212-76
CD15	1S1885	A7568500	GE-514	PTC214	HEPR0602	REN 177	SK3100	RT-218	ECG519	1N4148	WEP925	
CD20	1S1588	A7249601	1N60	PTC206	HEPR9135	REN 109	SK3088	RT-263	ECG109	1N60	WEP134	ZEN-430
CD25	1N60	A7249601	GE-300	PTC214	HEPR0602	REN 177	SK3100	RT-218	ECG177		WEP1062	
	1S953	A7249601	GE-300	PTC214	HEPR0602	REN 177	SK3100	RT-218	ECG177		WEP1062	
	1S1555	A7249601	GE-300	PTC214	HEPR0602	REN 177	SK3100	RT-218	ECG177		WEP1062	
	1S1588	A7249601	GE-514	PTC214	HEPR0602	REN 177	SK3100	RT-218	ECG519	1N4148	WEP925	
CD26	1S2208	260100602		PTC311	HEPR2501				ECG611			ZEN-451
	1S2787	260100602		PTC311	HEPR2501				ECG611			ZEN-451
	1S1658	A7252802	GE-90	PTC214	HEPR2503	REN 614	SK3100	RT-262	ECG614	1N4148	WEP200	
	1S1588	A7249601	GE-514	PTC214	HEPR0602	REN 177	SK3100	RT-218	ECG519		WEP925	
CD28	1S1555	A7249601	GE-300	PTC214	HEPR0602	REN 177	SK3100	RT-218	ECG177		WEP1062	
	1S953	A7249601	GE-300	PTC214	HEPR0602	REN 177	SK3100	RT-218	ECG177		WEP1062	
	1S1588	A7249601	GE-514	PTC214	HEPR0602	REN 177	SK3100	RT-218	ECG519	1N4148	WEP925	
	1S1555	A7249601	GE-300	PTC214	HEPR0602	REN 177	SK3100	RT-218	ECG177		WEP1062	
CD29	1S953	A7249601	GE-300	PTC214	HEPR0602	REN 177	SK3100	RT-218	ECG177		WEP1062	
	1S1588	A7249601	GE-300	PTC214	HEPR0602	REN 177	SK3100	RT-218	ECG519	1N4148	WEP925	
	1S953	A7249601	GE-300	PTC214	HEPR0602	REN 177	SK3100	RT-218	ECG177		WEP1062	
	1S1588	A7249601	GE-514	PTC214	HEPR0602	REN 177	SK3100	RT-218	ECG519	1N4148	WEP925	
CD60	02Z6.8A	A7286300	GE-504A	PTC201	HEPR0052	REN 116	SK3030	RT-213	ECG116	1N4004	WEP156	212-76
CD501	1S1885	A7568500	GE-504A	PTC201	HEPR0052	REN 116	SK3030	RT-213	ECG116	1N4004	WEP156	212-76
CD502	1S1885	A7568500	GE-504A	PTC201	HEPR0052	REN 116	SK3030	RT-213	ECG116	1N4004	WEP156	212-76
CD503	1S1885	A7568500	GE-504A	PTC201	HEPR0052	REN 116	SK3030	RT-213	ECG116	1N4004	WEP156	212-76
CD504	1S1885	A7568500	GE-504A	PTC201	HEPR0052	REN 116	SK3030	RT-213	ECG116	1N4004	WEP156	212-76
CD505	1S1885	A7568500	GE-504A	PTC201	HEPR0052	REN 116	SK3030	RT-213	ECG116	1N4004	WEP156	212-76
CD506	1S1885	A7568500	GE-504A	PTC201	HEPR0052	REN 116	SK3030	RT-213	ECG116	1N4004	WEP156	212-76
IC1	TA7064P	B0305401	GEIC-179	PTC780		RE 351-IC	SK3231	TVMC-81	ECG1235	TA7205P	WEP949	
IC3	TA7205P	B0319200							ECG1155			
IC7	TC508LP	B0480810							ECG1208			
IC8	TC5082P	B0480820							ECG1197			
IC9	TC5081P	B0480810							ECG1208			
IC10	TC5080P	B0480800							ECG1207			
IC11	TA7064P	B0305401							ECG1235			
Q2	2SC784R	A6737940	GE-60*	PTC132*	HEPS0008*	REN 229*	SK3122	RT-187	ECG229*	2SC784	WEP784	ZEN-104
	2SC784		GE-60*	PTC132*	HEPS0008*	REN 229*	SK3122	RT-187	ECG229*	2SC784	WEP784	ZEN-104
	2SC784-O	A6737940	GE-60*	PTC132*	HEPS0008*	REN 229*	SK3122	RT-187	ECG229*	2SC784	WEP784	ZEN-104
	2SC1923R	A6737940	GE-61	PTC132	HEPS0016	REN 107	SK3018	RT-107	ECG229		WEP956	
	2SC1923-O	A6737940	GE-61	PTC132	HEPS0016	REN 107	SK3018	RT-107	ECG229		WEP956*	
	2SC1674-M	A6737940	GE-61	PTC132	HEPS0016	REN 107	SK3018	RT-107	ECG229		WEP956	
	2SC1923A		GE-61	PTC132	HEPS0016	REN 107	SK3018	RT-107	ECG229		WEP956	
	2SC1674		GE-61	PTC132*	HEPS0010*	REN 107	SK3275	RT-308	ECG229*		WEP956*	
	2SC785R	A6738040	GE-60*	PTC132*	HEPS0016*	REN 229*	SK3018*	RT-187	ECG229*	2SC784	WEP535	ZEN-104
	2SC785		GE-60*	PTC132*	HEPS0016*	REN 229*	SK3018*	RT-187	ECG229*	2SC784	WEP535	ZEN-104
	2SC1674		GE-61	PTC132*	HEPS0010*	REN 107	SK3275	RT-308	ECG229*		WEP956*	
	2SC785-O	A6738040	GE-60*	PTC132*	HEPS0016*	REN 229*	SK3018*	RT-187	ECG229*	2SC784	WEP535	ZEN-104
Q3	2SC1923R	A6738040	GE-61	PTC132	HEPS0016	REN 107	SK3018	RT-107	ECG229		WEP956	
	2SC1923-O	A6738040	GE-61	PTC132	HEPS0016	REN 107	SK3018	RT-107	ECG229		WEP956*	
	2SC1674-M	A6738040	GE-61	PTC132	HEPS0016	REN 107	SK3018	RT-107	ECG229		WEP956	
	2SC1923A		GE-61	PTC132	HEPS0016	REN 107	SK3018	RT-107	ECG229		WEP956*	
	2SC1674		GE-61	PTC132*	HEPS0010*	REN 107	SK3275	RT-308	ECG229*		WEP956*	
	2SC785R	A6738040	GE-60*	PTC132*	HEPS0016*	REN 229*	SK3018*	RT-187	ECG229*	2SC784	WEP535	ZEN-104
	2SC785		GE-60*	PTC132*	HEPS0016*	REN 229*	SK3018*	RT-187	ECG229*	2SC784	WEP535	ZEN-104
	2SC1674		GE-61	PTC132*	HEPS0010*	REN 107	SK3275	RT-308	ECG229*		WEP956*	
	2SC785-O	A6738040	GE-60*	PTC132*	HEPS0016*	REN 229*	SK3018*	RT-187	ECG229*	2SC784	WEP535	ZEN-104
	2SC1923R	A6738040	GE-61	PTC132	HEPS0016	REN 107	SK3018	RT-107	ECG229		WEP956	
	2SC1923-O	A6738040	GE-61	PTC132	HEPS0016	REN 107	SK3018	RT-107	ECG229		WEP956	
	2SC1674-M	A6738040	GE-61	PTC132	HEPS0016	REN 107	SK3018	RT-107	ECG229		WEP956	
Q4	2SK196R	A6046940	GE-FET-2	PTC161	HEPF0021	REN 132	SK3448	RT-175	ECG312			ZEN-123
	2SK19		GE-FET-2	PTC161	HEPF0021	REN 132	SK3448	RT-175	ECG312			ZEN-123
	2SK61		GE-FET-2	PTC161	HEPF0021	REN 132	SK3448	RT-175	ECG312			ZEN-123
	2SK198L	A6046940	GE-FET-2	PTC161	HEPF0021	REN 132	SK3448	RT-175	ECG312			ZEN-123
	2SK49	A6046940	GE-FET-2	PTC161	HEPF0021	REN 132	SK3448	RT-175	ECG312			ZEN-123
	2SK61Y	A6046940	GE-FET-2	PTC161	HEPF0021	REN 132	SK3448	RT-175	ECG312			ZEN-123
	2SK61GR	A6046940	GE-FET-2	PTC161	HEPF0021	REN 132	SK3448	RT-175	ECG312			ZEN-123
	JF1033		GE-FET-2	PTC161	HEPF0021	REN 132	SK3448	RT-175	ECG312			ZEN-123
	2SC785R	A6738040	GE-60*	PTC132*	HEPS0016*	REN 229*	SK3018*	RT-187	ECG229*	2SC784	WEP535	ZEN-104
	2SC785		GE-60*	PTC132*	HEPS0016*	REN 229*	SK3018*	RT-187	ECG229*	2SC784	WEP535	ZEN-104
	2SC1674		GE-61	PTC132*	HEPS0016*	REN 107	SK3275	RT-308	ECG229*		WEP956*	
	2SC785-O	A6738040	GE-60*	PTC132*	HEPS0016*	REN 229*	SK3018*	RT-187	ECG229*	2SC784	WEP535	ZEN-104
Q5	2SC1923R	A6738040	GE-61	PTC132	HEPS0016	REN 107	SK3018	RT-107	ECG229		WEP956	
	2SC1923-O	A6738040	GE-61	PTC132	HEPS0016	REN 107	SK3018	RT-107	ECG229		WEP956*	
	2SC1674-M	A6738040	GE-61	PTC132	HEPS0016	REN 107	SK3018	RT-107	ECG229		WEP956	
	2SK196R	A6046940	GE-FET-2	PTC161	HEPF0021	REN 132	SK3448	RT-175	ECG312			ZEN-123
	2SK19		GE-FET-2	PTC161	HEPF0021	REN 132	SK3448	RT-175	ECG312			ZEN-123
	2SK61		GE-FET-2	PTC161	HE							

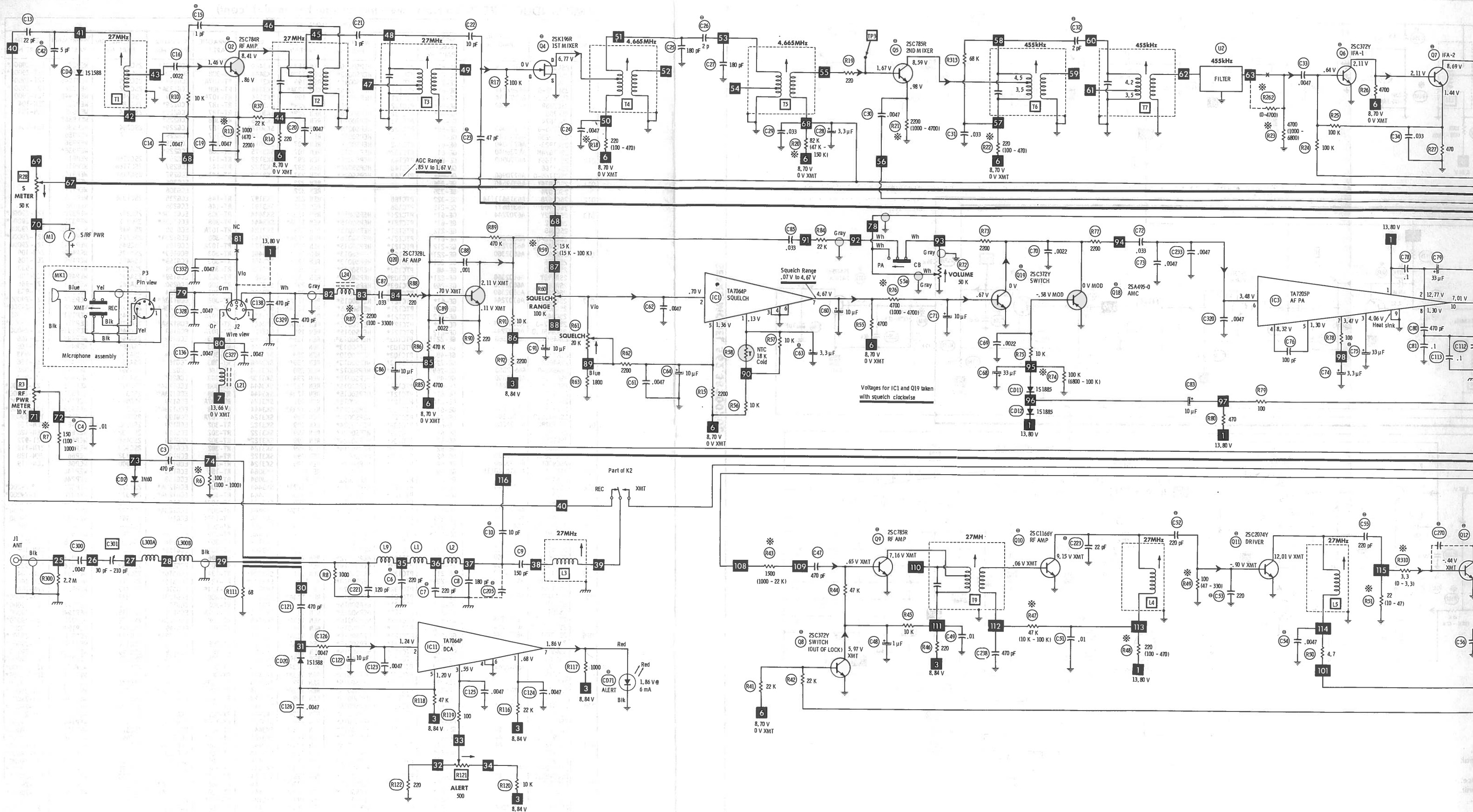


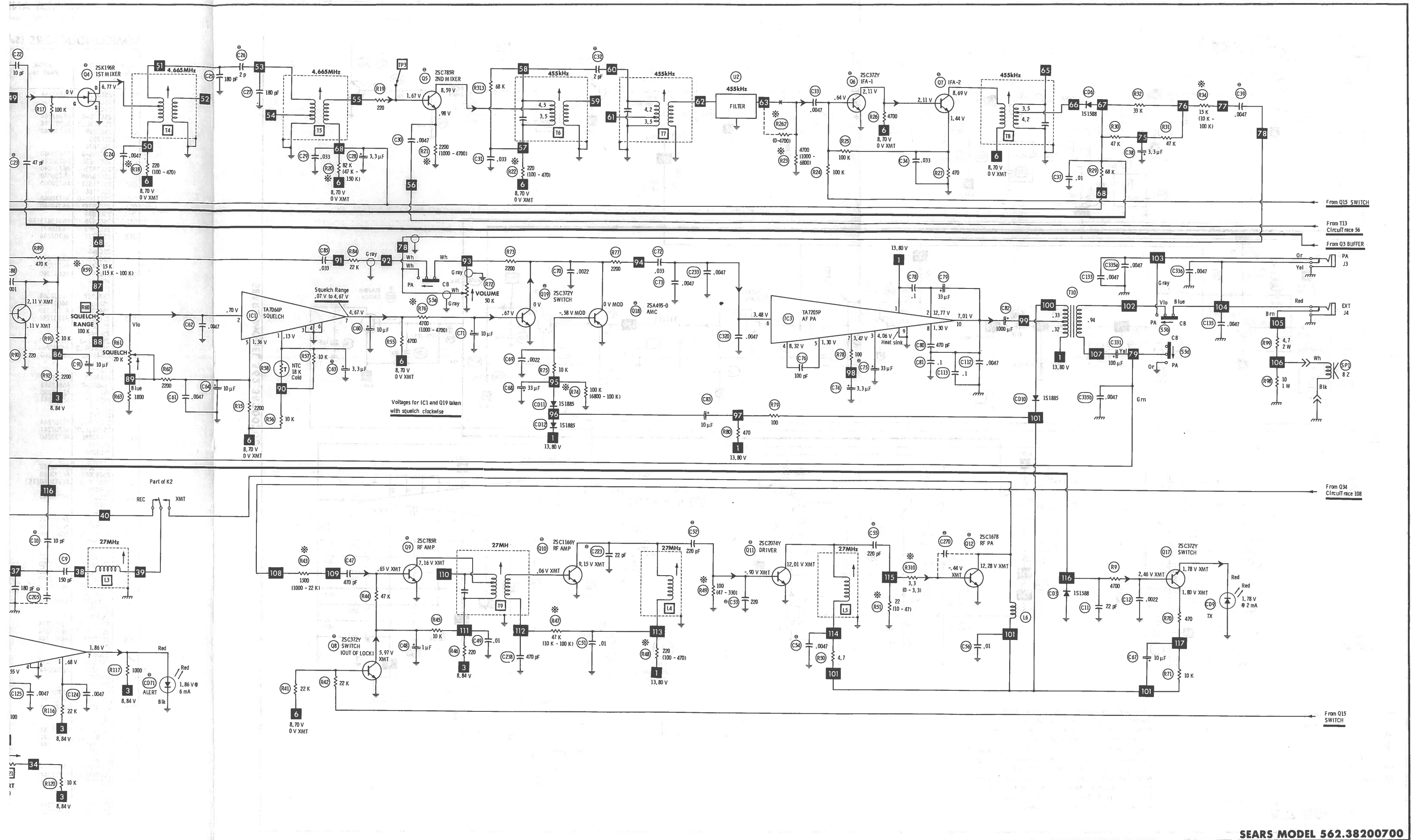
- ✖ Circuitry not used in some versions
 - Circuitry used in some versions
 - ⊙ See parts list
 - ✱ Nominal value
 - ⊥ Ground
 - ⏏ Chassis
 - ▽ Common tie point
- Measurements made in Channel 1 with switching as shown unless noted.
Item numbers in rectangles appear in the alignment/adjustment instructions.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

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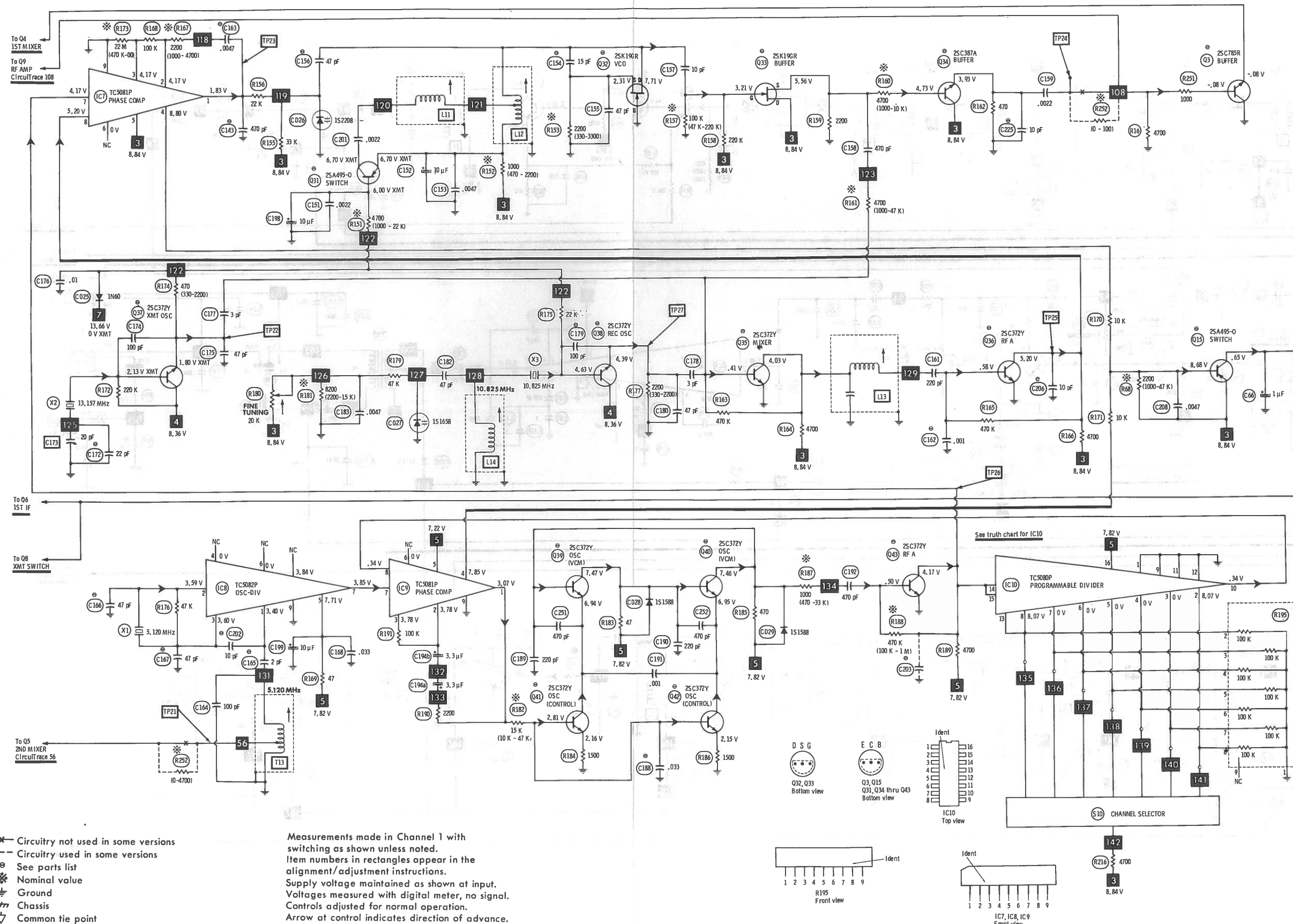




SEMICONDUCTORS

ITEM No.	TYPE No.	MFR. PART No.
Q8	2SC372Y 2SC372Z 2SC945	A6707244
Q9	2SC372-0 2SC945L,Q 2SC785R 2SC785	A6707244 A6707244 A6738040
Q10	2SC1674 2SC785-0 2SC1923R 2SC1923-0 2SC1674M 2SC1166Y 2SC1166	A6738040 A6738040 A6738040 A6738040 A6738040 A6770960
Q11	2SC1166-0 2SC2074Y 2SC2074	A6770960 A6319640
Q12	2SC1678 2SC1909	A6315611 (1)
Q13	2SC372Y 2SC372Z 2SC945	A6707244
Q15	2SC372-0 2SC945L,Q 2SA495-0 2SA495 2SA733 2SA495Y 2SA562-0 2SA733R 2SC372Y 2SC945	A6707244 A6707244 A6502360 A6502360 A6502360 A6707244
Q17	2SC372-0 2SC945L,Q 2SA495-0 2SA495 2SA733 2SA495Y 2SA562-0 2SA733R 2SC372Y 2SC945	A6707244 A6707244 A6502360 A6502360 A6502360 A6707244
Q18	2SC372-0 2SC945L,Q 2SA495-0 2SA495 2SA733 2SA495Y 2SA562-0 2SA733R 2SC372Y 2SC945	A6707244 A6707244 A6502360 A6502360 A6502360 A6707244
Q19	2SC372-0 2SC945L,Q 2SC732BL 2SC732 2SC1000 2SC900 2SC732GR 2SC900F 2SB435-0 2SB435 2SC372Y 2SC945	A6707244 A6707244 A6733280 A6733280 A6610140 (1)
Q20	2SC372-0 2SC945L,Q 2SC732BL 2SC732 2SC1000 2SC900 2SC732GR 2SC900F 2SB435-0 2SB435 2SC372Y 2SC945	A6707244 A6707244 A6733280 A6733280 A6610140 (1)
Q21	2SC372-0 2SC945L,Q 2SC732BL 2SC732 2SC1000 2SC900 2SC732GR 2SC900F 2SB435-0 2SB435 2SC372Y 2SC945	A6707244 A6707244 A6733280 A6733280 A6610140 (1)
Q22	2SC372-0 2SC945L,Q 2SC732BL 2SC732 2SC1000 2SC900 2SC732GR 2SC900F 2SB435-0 2SB435 2SC372Y 2SC945	A6707244 A6707244 A6733280 A6733280 A6610140 (1)
Q31	2SC372-0 2SC945L,Q 2SC732BL 2SC732 2SC1000 2SC900 2SC732GR 2SC900F 2SB435-0 2SB435 2SC372Y 2SC945	A6707244 A6707244 A6733280 A6733280 A6610140 (1)
Q34	2SC372-0 2SC945L,Q 2SC732BL 2SC732 2SC1000 2SC900 2SC732GR 2SC900F 2SB435-0 2SB435 2SC372Y 2SC945	A6707244 A6707244 A6733280 A6733280 A6610140 (1)
Q35	2SC372-0 2SC945L,Q 2SC732BL 2SC732 2SC1000 2SC900 2SC732GR 2SC900F 2SB435-0 2SB435 2SC372Y 2SC945	A6707244 A6707244 A6733280 A6733280 A6610140 (1)
Q36	2SC372-0 2SC945L,Q 2SC732BL 2SC732 2SC1000 2SC900 2SC732GR 2SC900F 2SB435-0 2SB435 2SC372Y 2SC945	A6707244 A6707244 A6733280 A6733280 A6610140 (1)
Q37	2SC372-0 2SC945L,Q 2SC732BL 2SC732 2SC1000 2SC900 2SC732GR 2SC900F 2SB435-0 2SB435 2SC372Y 2SC945	A6707244 A6707244 A6733280 A6733280 A6610140 (1)
Q38	2SC372-0 2SC945L,Q 2SC732BL 2SC732 2SC1000 2SC900 2SC732GR 2SC900F 2SB435-0 2SB435 2SC372Y 2SC945	A6707244 A6707244 A6733280 A6733280 A6610140 (1)
Q39	2SC372-0 2SC945L,Q 2SC732BL 2SC732 2SC1000 2SC900 2SC732GR 2SC900F 2SB435-0 2SB435 2SC372Y 2SC945	A6707244 A6707244 A6733280 A6733280 A6610140 (1)
Q40	2SC372-0 2SC945L,Q 2SC732BL 2SC732 2SC1000 2SC900 2SC732GR 2SC900F 2SB435-0 2SB435 2SC372Y 2SC945	A6707244 A6707244 A6733280 A6733280 A6610140 (1)

SEARS MODEL 562.38200700



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.
Q41	2SC372Y	A6707244	GE-61*	PTC121*	HEPS0015*	REN 123A*	SK3444	RT-308	ECG123A*	2SC372	WEP372	121-Z9000*
	2SC372		GE-61*	PTC121*	HEPS0015*	REN 123A*	SK3444	RT-308	ECG123A*	2SC372	WEP372	121-Z9000*
Q42	2SC372-0	A6707244	GE-212	PTC121*	HEPS0015*	REN 199	SK3124	RT-107A	ECG199	2SC945	WEP1945	121-Z9000*
	2SC945L,Q	A6707244	GE-61*	PTC121*	HEPS0015*	REN 123A*	SK3444	RT-308	ECG123A*	2SC372	WEP372	121-Z9000*
Q43	2SC372Y	A6707244	GE-212	PTC121*	HEPS0015*	REN 199	SK3124	RT-107A	ECG199	2SC945	WEP1945	121-Z9000*
	2SC372		GE-61*	PTC121*	HEPS0015*	REN 123A*	SK3444	RT-308	ECG123A*	2SC372	WEP372	121-Z9000*
Q501	2SC372-0	A6707244	GE-212	PTC121*	HEPS0015*	REN 199	SK3124	RT-107A	ECG199	2SC945	WEP1945	121-Z9000*
	2SC945L,Q	A6707244	GE-61*	PTC121*	HEPS0015*	REN 123A*	SK3444	RT-308	ECG123A*	2SC372	WEP372	121-Z9000*
Q502	2SC372Y	A6707244	GE-212	PTC121*	HEPS0015*	REN 199	SK3124	RT-107A	ECG199	2SC945	WEP1945	121-Z9000*
	2SC372		GE-61*	PTC121*	HEPS0015*	REN 123A*	SK3444	RT-308	ECG123A*	2SC372	WEP372	121-Z9000*
Q503	2SC372Y	A6707244	GE-61*	PTC121*	HEPS0015*	REN 123A*	SK3444	RT-308	ECG123A*	2SC372	WEP372	121-Z9000*
	2SD235Y	A6823560	GE-66	PTC154	HEPS3061	REN 152	SK3054	RT-197	ECG152	2SD235	WEP745	ZEN-119
Q503	2SD235		GE-66	PTC154	HEPS3061	REN 152	SK3054	RT-197	ECG152	2SD235	WEP745	ZEN-119
	2SC735-0	A6733540	GE-210*	PTC123*	HEPS0014*	REN 289	SK3122	RT-308*	ECG289	2SC735	WEP735A	ZEN-127
	2SC735		GE-210*	PTC123*	HEPS0014*	REN 289	SK3122	RT-308*	ECG289	2SC735	WEP735A	ZEN-127

* Lead configuration may vary from original.

(14) 10 WATT @ 3.0 AMP.

(15) 1.5 WATT @ 3.0 AMP.

ELECTROLYTIC CAPACITORS

ITEM No.	RATING	MFR. PART No.	REPLACEMENT DATA			
			CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.	
					Q-LINE	GENERAL LINE
C28	3.3 50V		PC5-50	VTT3R3A50	QV1-25	EV-1618
C36	33 16V		PC30-25	VTT33D25	QV1-63	EV-1325
C38	3.3 50V		PC5-50	VTT3R3A50	QV1-25	EV-1618
C48	1 50V		PC1-50	VTT1A50	QV1-11	EV-1615
C60	10 16V		PC10-25	VTT10B25	QV1-41	EV-1222
C63	3.3 50V		PC5-50	VTT3R3A50	QV1-25	EV-1618
C64	10 16V		PC10-25	VTT10B25	QV1-41	EV-1222
C65	220 10V		PC250-10	VTT220F10	QV1-115	EV-1140
C66	1 50V		PC1-50	VTT1A50	QV1-11	EV-1615
C67	10 16V		PC10-25	VTT10B25	QV1-41	EV-1222
C68	33 3V			TDC336M010FL	QDT1-89	SD10-339
C71	10 16V		PC10-25	VTT10B25	QV1-41	EV-1222
C74	3.3 16V			TDC335M015FL	QDT1-41	SD15-3R39
C75	33 16V			VTT33D25	QV1-63	EV-1325
C79	33 16V		PC30-25	VTT33D25	QV1-63	EV-1325
C82	1000 25V		WBR1000-25	VTT100M25	QV1-185	EV-1360
C83	10 16V		PC10-25	VTT10B25	QV1-41	EV-1222
C86	10 16V		PC10-25	VTT10B25	QV1-41	EV-1222
C91	10 16V		PC10-25	VTT10B25	QV1-41	EV-1222
C92	1000 16V		PC1000-16	VTT100L16	QV1-183	EV-1260
C94	470 10V		PC500-16	VTT470K16	QV1-149	EV-1150
C122	10 16V		PC10-25	VTT10B25	QV1-41	EV-1222
C137	22 16V		PC25-25	VTT22B16	QV1-55	EV-1224
C152	10 16V		PC10-25	VTT10B25	QV1-41	EV-1222
C194A	3.3 16V			TDC335M015FL	QDT1-41	SD15-3R39
C194B	3.3 16V			TDC335M015FL	QDT1-41	SD15-3R39
C195	100 10V		PC100-10	VTT100E10	QV1-93	EV-1130
C197	100 10V		PC100-10	VTT100E10	QV1-93	EV-1130
C198	10 16V		PC10-25	VTT10B25	QV1-41	EV-1222
C199	10 16V		PC10-25	VTT10B25	QV1-41	EV-1222
C331	100 16V		PC100-16	VTT100F16	QV1-95	EV-1230
C501	33 16V		PC30-25	VTT33D25	QV1-63	EV-1325
C502	2200 25V		AA0080A	FP060.2	TVLU-1093	EP25-272

CAPACITORS

ITEM No.	RATING	MFR. PART No.	REPLACEMENT DATA			
			CENTRALAB PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.
						Q-LINE
						GENERAL LINE
C3	470		DD-471	GP470	GP347	10TS-T47
C4	.01		UK25-103		MAG2511	HY-520
C6	220 10%		DTZ-220			10TCC-T22
C7	220 10%		DTZ-220			10TCC-T22
C8	180 10%		DTZ-180			10TCC-T18
C9	150		DTZ-150			10TCC-T15
C10	10		DTZ-10	NP010	CN0315	10TCC-Q10
C11	22		DTZ-22	NP022	CN0410	10TCC-Q22
C12	.0022				CN0422	10TS-D22
C13	22 N220	26036049			GP222	10TCR-Q22
C14	.0047 10%				*	192P4729R8
C15	1				M192P4729R8	10TCC-V10
C16	.0022				CN0510	10TS-D22
C19	.0047 10%				GP222	192P4729R8
C20	.0047 10%				M192P4729R8	10TCC-V10
C21	1				CN0510	10TCC-Q10
C22	10 N220	26036057			*	10TCC-Q47
C23	47		DTZ-47	NP047	CN0447	192P4729R8
C24	.0047 10%				M192P4729R8	10TCT-T18
C25	180 N470 5%	26036020			*	10TCC-V22
C26	2		DTZ-2R2	NP02P2	CN0522	10TCT-T18
C27	180 N470 5%				*	
C29	.033 50V	26036020	UK50-333		MAG50133	
C30	.0047 10%				M192P4729R8	1FT-Q47
C31	.033 50V				M192P3339R8	1FT-S33
C32	2		DTZ-2R2	NP02P2	CN0522	10TCC-V22

SEARS MODEL 562.38200700

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
C33	.0047 10%				M192P3339R8	QFT2-149	1FT-S33
C34	.033 50V				M192P3339R8	QFT2-149	1FT-S33
C35	.033 50V				MAG50133		
C37	.01		UK50-333	WMF1S1	EW1A110	QFT2-91	1FT-S10
C39	.0047 10%				M192P4729R8	QFT2-63	1FT-D47
C42	5		DTZ-4R7	NP04P7	CN0547		10TCC-V47
C47	470		DD-471	GP470	GP347		10TS-T47
C49	.01 10%			WMF1S1	EW1A110	QF1-91	1PB-S10
C51	.01 10%			WMF1S1	EW1A110	QF1-91	1PB-S10
C52	220 10%		DTZ-220				10TCC-T22
C53	220 10%		DTZ-220				10TCC-T22
C54	.0047 10%				M192P4729R8		192P4729R8
C55	220 10%		DTZ-220				10TCC-T22
C56	.01			WMF1S1	EW1A110	QF1-91	1PB-S10
C61	.0047 10%				M192P4729R8		192P4729R8
C62	.0047 10%				M192P4729R8		192P4729R8
C69	.0022		DD-222		GP222	QC2-97	5GA-D22
C70	.0022		DD-222		GP222	QC2-97	5GA-D22
C72	.033 50V				M192P3339R8	QFT2-149	1FT-S33
C73	.0047 10%				M192P4729R8		192P4729R8
C76	100		DTZ-100	NP0100	CN0310		10TCC-T10
C77	.0047 10%				M192P4729R8		192P4729R8
C78	.1		UK25-104		MAG2501		HY-750
C80	470		DD-471	GP470	GP347		10TS-T47
C81	.1		UK25-104		MAG2501		HY-750
C85	.033 50V				M192P3339R8	QFT2-149	1FT-S33
C87	.033 50V				M1923339R8	QFT2-149	1FT-S33
C88	.001		DD-102		GP210		10TS-D10
C89	.0022		DD-222		GP222	QC2-97	5GA-D22
C101	.01 10%			WMF1S1	EW1A110	QF1-91	1PB-S10
C102	.01 10%			WMF1S1	EW1A110	QF1-91	1PB-S10
C103	.01 10%			WMF1S1	EW1A110	QF1-91	1PB-S10
C104	.01 10%			WMF1S1	EW1A110	QF1-91	1PB-S10
C107	.01			WMF1S1	EW1A110	QF1-91	1PB-S10
C111	.1		UK25-104		MAG2501		HY-750
C112	.0047 10%				M192P4729R8		192P4729R8
C113	.1		UK25-104		MAG2501		HY-750
C114	.01 10%			WMF1S1	EW1A110	QF1-91	1PB-S10
C121	470		DD-471	GP470	GP347		10TS-T47
C123	.0047 10%				M192P4729R8		192P4729R8
C124	.0047 10%				M192P4729R8		192P4729R8
C125	.0047 10%				M192P4729R8		192P4729R8
C126	.0047 10%				M192P4729R8		192P4729R8
C133	.0047 10%				M192P4729R8		192P4729R8
C135	.0047 10%				M192P4729R8		192P4729R8
C136	.0047 10%				M192P4729R8		192P4729R8
C138	470		DD-471	GP470	GP347		10TS-T47
C139	.01 10%			WMF1S1	EW1A110	QF1-91	1PB-S10
C141	.01 10%			WMF1S1	EW1A110	QF1-91	1PB-S10
C143	470		DD-471	GP470	GP347		10TS-T47
C151	.0022		DD-222		GP222	QC2-97	5GA-D22
C153	.0047 10%				M192P4729R8		192P4729R8
C154	15 N470	26036017			*		10TCT-Q15
C155	47 N750		DTN-47	N47	CN7447		10TCU-Q47
C156	47 N750		DTN-47	N47	CN7447		10TCU-Q47
C157	10 N750		DTN-10	N10	CN7410		10TCU-Q10
C158	470		DD-471	GP470	GP347		10TS-T47
C159	.0022		DD-222		GP222	QC2-97	5GA-D22
C161	220		DTZ-220				10TCC-T22
C162	.001		DD-102		GP210		10TS-D10
C163	.0047 10%				M192P3339R8	QFT2-63	1FT-D47
C164	100		DTZ-100	NP0100	CN0310		10TCC-T10
C165	2		DTZ-2R2	NP02P2	CN0522		10TCC-V22
C166	47 N220 5%	26036007			*		10TCR-Q47
C167	47 N220 5%	26036007			*		10TCR-Q47
C168	.033 50V		UK50-333		MAG50133		
C169	.01 10%			WMF1S1	EW1A110	QF1-91	1PB-S10
C171	.01 10%			WMF1S1	EW1A110	QF1-91	1PB-S10
C172	22 N220	26030049			*		10TCR-Q22
C173	20						
C174	100		DTZ-100	NP0100	CN0310		10TCC-T10
C175	47		DTZ-47	NP047	CN0447		10TCC-Q47
C176	.01 10%			WMF1S1	EW1A110	QF1-91	1PB-S10
C177	3		DTZ-3R3	NP03P3	CN0533		10TCC-V33
C178	3		DTZ-3R3	NP03P3	CN0533		10TCC-V33
C179	100		DTZ-100	NP0100	CN0310		10TCC-T10
C180	47		DTZ-47	NP047	CN0447		10TCC-Q47
C181	.01			WMF1S1	EW1A110	QFT2-91	1FT-S10
C182	47 N750		DTN-47	N47	CN7447		10TCU-Q47
C183	.0047 10%				M192P4729R8		192P4729R8
C184	.01 10%			WMF1S1	EW1A110	QF1-91	1PB-S10
C186	.01 10%			WMF1S1	EW1A110	QF1-91	1PB-S10
C187	.033 50V				M192P3339R8	QFT2-149	1FT-S33
C188	.033 50V				M192P3339R8	QFT2-149	1FT-S33
C189	220		DD-221		GP322		10TS-T22
C190	220		DD-221		GP322		10TS-T22
C191	.001 10%		DD-102		GP210		10TS-D10
C192	470		DD-471	GP470	GP347		10TS-T47
C196	.033 50V				M192P3339R8	QFT2-149	1FT-S33
C200	.033 50V				M192P3339R8	QFT2-149	1FT-S33
C201	.0022				GP222		10TS-D22
C202	10		DTZ-10	NP010	CN0410		10TCC-Q10
C206	10		DTZ-10	NP010	CN0410		10TCC-Q10
C208	.0047 10%				M192P4729R8		192P4729R8
C221	120 10%	26036049	DTZ-120		CN0312		10TCC-T12
C223	22 N220				*		10TCR-Q22
C225	10 N220				*		10TCR-Q10
C233	.0047 10%	26034021			M192P4729R8		192P4729R8

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
C238	470	26030004	DD-471	GP470	GP347	QF1-91	10TS-T47
C251	470		DD-471	GP470	GP347		10TS-T47
C252	470		DD-471	GP470	GP347		10TS-T47
C258	.1		UK25-104		MAG2501		HY-750
C259	.01 10%			WMF1S1	EWFI A110		1PB-S10
C272	.01 10%			WMF1S1	EWFI A110		1PB-S10
C300	.0047 10%				M192P4729R8		192P4729R8
C301	30-210						
C311	.01 10%			WMF1S1	EWFI A110	QF1-91	1PB-S10
C312	.01 10%			WMF1S1	EWFI A110		1PB-S10
C320	.0047 10%				M192P4729R8		192P4729R8
C321	.0047 10%				M192P4729R8		192P4729R8
C322	.0047 10%				M192P4729R8		192P4729R8
C323	.0047 10%				M192P4729R8		192P4729R8
C324	.0047 10%				M192P4729R8		192P4729R8
C325	.0047 10%				M192P4729R8		192P4729R8
C326	.0047 10%				M192P4729R8		192P4729R8
C327	.0047 10%				M192P4729R8		192P4729R8
C328	.0047 10%				M192P4729R8		192P4729R8
C329	470		DD-471	GP470	GP347		10TS-T47
C330	.0047 10%				M192P4729R8		192P4729R8
C332	.0047 10%				M192P4729R8		192P4729R8
C333	.0047 10%				M192P4729R8		192P4729R8
C334	.0047						
C335A	.0047 10%				M192P4729R8		192P4729R8
C335B	.0047 10%				M192P4729R8		192P4729R8
C336	.0047 10%				M192P4729R8		192P4729R8
C338	.0047 10%				M192P4729R8		192P4729R8
C339	.0047 10%				M192P4729R8		192P4729R8
C503	.001		DD-102		GP210		10TS-D10
C504	.001				GP210		10TS-D10
C505	.0047 10%				M192P4729R8		192P4729R8
C506	.0047 10%				M192P4729R8		192P4729R8
C507	.0047 10%				M192P4729R8		192P4729R8
C508	.0047 10%				M192P4729R8		192P4729R8

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

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

ITEM No.	FUNCTION	RESISTANCE	REPLACEMENT DATA			
			MFR. PART No.	CENTRALAB PART No.	MALLORY PART No.	TRW PART No.
R3	RF Power Meter	10K	26061077			U260R103B
R28	S Meter	50K	26061078			U260R503B
R60	Squelch Range	100K	26061071			U260R104B
R61	Squelch	20K	26061099			
R72	Volume/Switch	50K	26061105	F2-50K(1), SSK012, KR7	UA5AA(1) SK750, US28	BU1(1), CF63 SS1, WF U260R501B
R121	Alert	500	26061073			
R180	Fine Tune	20K	26061099			U260R102B
R502	Voltage	1000	26061076			

(1) Enlarge mounting hole.

RESISTORS (Power and Special)

ITEM No.	RATING	REPLACEMENT DATA		ITEM No.	RATING	REPLACEMENT DATA	
		WORKMAN PART No.	MFR. PART No.			WORKMAN PART No.	MFR. PART No.
R58	18K Cold NTC		A8503300	R195	Resistor Network		26054103(1)

(1) Consists of seven 100K ohm resistors.

COILS (RF-IF)

ITEM No.	FUNCTION	REPLACEMENT DATA			REMARKS
		PART No.	OTHER IDENTIFICATION	MILLER PART No.	
L1	RF Choke	26025071			
L2	RF Choke	26025071			
L3	Antenna Tuning (27MHz)	26025106			
L4	RF Amp (27MHz)	26025082	25082		
L5	Driver	26025082	25082		
L6	RF Choke	26025072			
L9	RF Choke	26025071			
L11	VCO	26025082	25082		
L12	VCO	26025085	25085		
L13	RF Choke	26025090	25090		
L14	Rec Osc (10.825MHz)	26025086	25086		
L21	RF Choke	26025110			
L24	RF Choke	26025110			
L300A	RF Choke	26025071			
L300b	RF Choke	26025071			
L501	RF Choke	26020010			
L502	RF Choke	26020010			
T1	Rec RF (27MHz)	26025087	25087		
T2	RF Amp (27MHz)	26025037	1641		
T3	RF Amp (27MHz)	26025038	1642		
T4	Mixer (4.665MHz)	26025088	25088		
T5	Mixer (4.665MHz)	26025088	25088		
T6	IF (455kHz)	26027008	0753		
T7	IF (455kHz)	26027008	0753		
T8	IF (455kHz)	26027008	0753		
T9	XMT RF Amp (27MHz)	26025037	1641		
T13	Osc Div (5.120MHz)	26025088	25088		

SEARS MODEL 562.38200700

PARTS LIST AND DESCRIPTION (CONTINUED)

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

TRANSFORMER (Audio Output)

ITEM No.	IMPEDANCE		REPLACEMENT DATA			NOTES
	PRI.	SEC.	MFR. PART No.	THORDARSON PART No.	TRIAD PART No.	
T10	32	18	26023017 5014(1)		MCB-18	(1) Number on unit.

TRANSFORMER (Power)

ITEM No.	RATING		REPLACEMENT DATA			NOTES
	PRI.	SEC. 1	MFR. PART No.	THORDARSON PART No.	TRIAD PART No.	
T501	120V AC @ 340mA AC	14.52V AC @ 2.34A AC	26021009 21008(1)		PCB-2(2)	(1) Number on unit. (2) Drill new mtg. holes.

SPEAKER

ITEM No.	TYPE	REPLACEMENT DATA		NOTES
		MFR. PART No.	QUAM PART No.	
SP	2 3/4" X 4" PM 8 Ohms	26015280		

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	.5A Quick Acting	26014082		AGC 1/2	HKP-HH	312.500	342038AL	FG 1/2-2	
F2	2A Quick Acting	26014084		AGC 2	HDJ	312002	150145	FG 2.2	

MICROPHONE

ITEM No.	REPLACEMENT DATA				CONNECTION DATA							
	MFR. PART No.	GC PART No.	GC NOISE CANCEL	GC POWER	GC CONNECTOR	GC Red	GC Shield	GC Yellow	GC Blue	GC White	GC Black	
MK1	26015296	18-032	18-034	18-010	18-105	4	1	3	5	NC	1	

MISCELLANEOUS

ITEM No.	PART NAME	PART No.	NOTES
CD9	LED	26010067	TX (1.78V @ 2.0mA)
CD71	LED	26010067	Alert (1.86V @ 6.0mA)
J1	Jack	26016060	Antenna
J2	Jack	26016063	Mic
J3	Jack	26016047	PA
J4	Jack	26016047	External Speaker
J501	Jack	26016062	Power
K2	Relay	26014079	XMT
M1	Meter	26019030	S/Rf
PL1	Lamp	26011016	Meter (6.21V @ 130mA)
PL2	Lamp	26011017	Channel (6.37V @ 33mA)
S5	Switch	26014083	CB/PA
S6	Switch		Power (Part of Volume Control)
S10	Switch	26014077	Channel Selector
U2	Filter	26019009	455kHz
W12	Plug	26017018	AC Power
W13	Plug	26017020	DC Power
X1	Crystal	26015283	5.120MHz
X2	Crystal	26015285	13.157MHz
X3	Crystal	26015284	10.820MHz
Z1	Printed Circuit Board	26001068	Main
Z2	Printed Circuit Board	26001069	Channel
Z3	Printed Circuit Board	26001070	Regulator
Z4	Printed Circuit Board	26001071	PA/CB
Z5	Printed Circuit Board	26001072	Power Line Connector
Z6	Printed Circuit Board	26001073	Antenna

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

ITEM	PART No.	ITEM	PART No.
Case	26083071	Panel, Front	26084039
Channel Indicator	26082008	Knob, Channel	26086090
Cover, Bottom	26083072	Knob, Volume	26086091