

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 3-5871B

MANUFACTURER'S SPECIFICATIONS

GENERAL

CHANNELS: 40 channels, PLL digital logic synthesizer circuitry

POWER REQUIREMENT: Consumption - 18 watts, Current drain - 1.3 amps (100% mod.) at 13.8 Volt DC

POWER SUPPLY: 12 Volts DC nominal (Positive or Negative ground)

SEMICONDUCTORS: Integrated circuits, transistors and diodes

OPERATING TEMPERATURE RANGE: -30 to +50°C

MICROPHONE: Dynamic with push-to-talk switch, 500 ohm

BUILT-IN SPEAKER: 8 ohms impedance, 77mm (3 inches) in size

CONTROLS: Volume with ON/OFF switch, Squelch control, Tone control, RF Gain and MIC power control, Channel selector switch, Automatic noise limiter switch. MOD (modulation) transmit indicator light.

CONNECTORS: External speaker jack 3.5mm (8 ohms impedance). Antenna receptacle to match PL-259 coax plug (50 ohms impedance), 12 V DC power jack (polarized type).

CIRCUIT PROTECTION: Prevents transistor burn-out when transmitting without antenna (5 min. limit)

DIMENSIONS: 11⁷/₁₆" W, 4" H, 9" D

RECEIVER

SENSITIVITY: Better than 0.5uv for 500 mw audio output at "MIN." position, Squelch setting

FREQUENCY COVERAGE: 26.965 to 27.405 MHz

ADJACENT CHANNEL SELECTIVITY: Better than 60db

AUDIO OUTPUT POWER (power to speaker): @ 10% DIST., better than 2.2 watts

SPURIOUS REJECTION: Better than 60db

IF FREQUENCIES: 455 KHz, 10.695 MHz

SQUELCH RANGE (SENSITIVITY): 0.5 to 500 uv NOMINAL

IMAGE REJECTION RATIO: Better than 60db

TRANSMITTER

FREQUENCY RESPONSE: 400 Hz to 2.5 KHz

FREQUENCY COVERAGE: 26.965 to 27.405 MHz

TRANSMIT POWER OUTPUT (RF [radio frequency] power to antenna): 4 watts maximum as limited by FCC Regulations at 13.8 Volts DC

MODULATION: Capable of 100%; factory pre-set limit

FREQUENCY TOLERANCE: Better than .005% MAX.

Courtesy of the Manufacturer

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

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GENERAL ELECTRIC MODEL 3-5871B

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 at emitter of Q703. 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, L901, L903, F901.....	9440
L102, L103, T301 thru T304, T801 thru T807.....	5009, 8728-A, 8728
L905.....	9304, 9300, 9302
CT801.....	8276, 5000
L903.....	9304, 9300, 9302

SYNTHESIZER ALIGNMENT

TEST EQUIPMENT	TRANSCEIVER	ADJUST	REMARKS
Input of frequency counter to 10M(A).	Ch. 19		Check for 10,240MHz.
Input of oscilloscope to 10M(A).	Ch. 19	T801	Adjust for maximum RF.
Input of frequency counter thru 5pF to TP10. (Q808, Emitter).	Ch. 19, Delta Tune 0	CT801	Adjust for 11.750MHz.
Input of DC meter to TP11. (IC801 pin 7).	Ch. 1, Delta Tune 0	T802	Adjust for 1.3 volts.
Input of oscilloscope to 37M(B).	Ch. 19, Delta Tune 0	T803	Adjust for maximum RF.
Input of frequency counter to (37M(B)).	Ch. 1, Delta Tune 0		Check for 36.750MHz. Check all channels (Channel frequency + 9.785MHz = frequency on counter)
Input of frequency counter to TP12. (Q805, Emitter).	Ch. 19, XMT		Check for 9.785MHz.
Input of oscilloscope to 27M(C).	Ch. 19, XMT	T804, T805 T806, T807	Adjust for maximum RF.
Input of frequency counter to 27M(C).	Ch. 1, XMT		Check for 26.965MHz. Check all channels. (Should indicate channel frequency).

RECEIVER ALIGNMENT

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

TEST EQUIPMENT	TRANSCEIVER	ADJUST	REMARKS
Output of signal generator thru .01uF to TP2 (Q301, base). 455kHz, 1000Hz @ 30% modulation.	Ch. 19, Delta Tune 0 RF Gain Max Squelch MIN ANL Off	T304, T303	Adjust for maximum output.
Output of signal generator thru .01uF to antenna jack. 27.185MHz, 1000Hz @ 30% modulation.	Ch. 19, Delta Tune 0 RF Gain Max Squelch MIN ANL Off	T302, T301, L103, L102 L101	Adjust for maximum output. Repeat above steps if necessary.

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 TP3. (IC301, pin 2). No signal input.	Ch. 19, Delta Tune 0 RF Gain Max Squelch MIN ANL Off	VR7	AGC Adjust VR7 for 1.5+ 0.1 volts.
Output of signal generator thru .01uF to antenna jack. 27.185MHz, 1000Hz @ 30% modulation. Output 100uV.	Ch. 19, Delta Tune 0 RF Gain MIN Squelch MIN ANL Off	VR6	RF GAIN Adjust VR6 for 2 watts audio.
Output of signal generator thru .01uF to antenna jack. 27.185MHz, 1000Hz @ 30% modulation. Output 1000uV.	Ch. 19, Delta Tune 0 RF Gain Max Squelch MIN ANL Off	VR8	SQUELCH RANGE Set Squelch Control VR2 fully clockwise. Adjust VR8 so squelch just breaks.
Output of signal generator thru .01uF to antenna jack. 27.185MHz, 1000Hz @ 30% modulation. Output 100uV.	Ch. 19, Delta Tune 0	VR9	S METER Adjust VR9 for 9 on S scale of meter.

TRANSMITTER ALIGNMENT

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

NOTE: Check transmit frequency and power on all active channels after alignment of transmitter.
See page 4 for channel frequencies.

TEST EQUIPMENT	TRANSCEIVER	ADJUST	REMARKS
RF Wattmeter (See connection above).	Ch. 19	L901, L903, L905	Adjust for maximum.
RF Wattmeter (See connection above).	Ch. 19	L903	Adjust for 3.7 watts.
Tunable field strength meter set at 54MHz.	Ch. 19	F901	Adjust for MINIMUM signal.

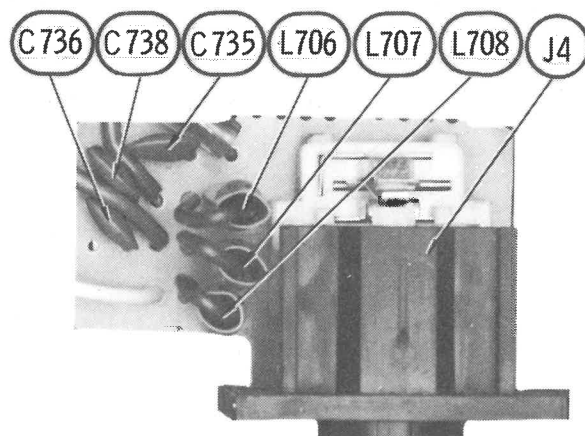
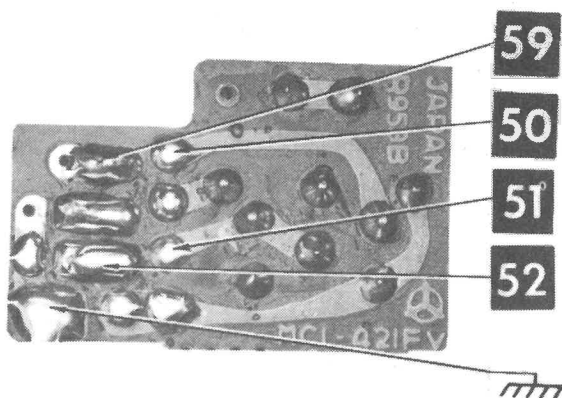
TRANSMITTER ADJUSTMENTS

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

NOTE: Check transmit frequency and power on all active channels after adjustment of transmitter.
See page 4 for channel frequencies.

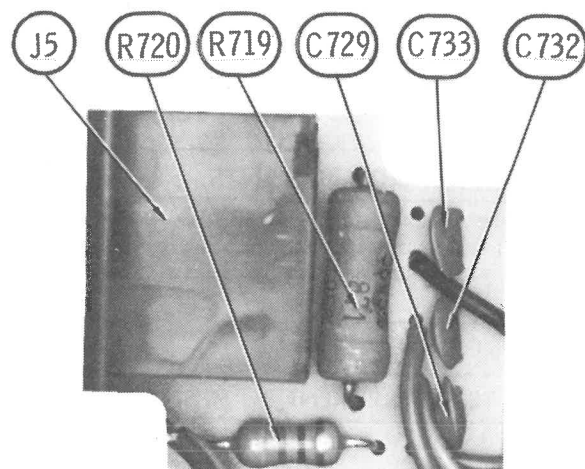
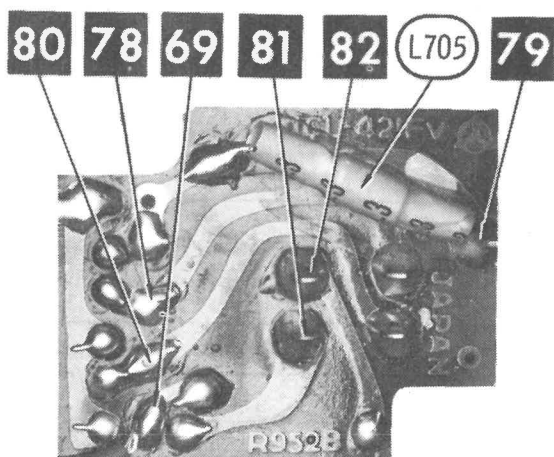
TEST EQUIPMENT	TRANSCEIVER	ADJUST	REMARKS
DC meter to TP4 (Q703, Emitter).	Ch. 19	VR12	Adjust VR12 for 13.8V DC. Voltages should not vary when transmitter keyed.
Modulation meter to antenna jack. Inject a 1000Hz, 30 millivolt signal to MIC input.	Ch. 19 MIC. Power Max	VR11	AMC Adjust for 95-98% modulation.
Connect an RF wattmeter and 50 ohm, 25 watt, dummy load to antenna connector.	Ch. 19	VR10	RF PANEL METER Adjust VR10 so RF Panel Meter agrees with RF Wattmeter.

GENERAL ELECTRIC MODEL 3-5871B

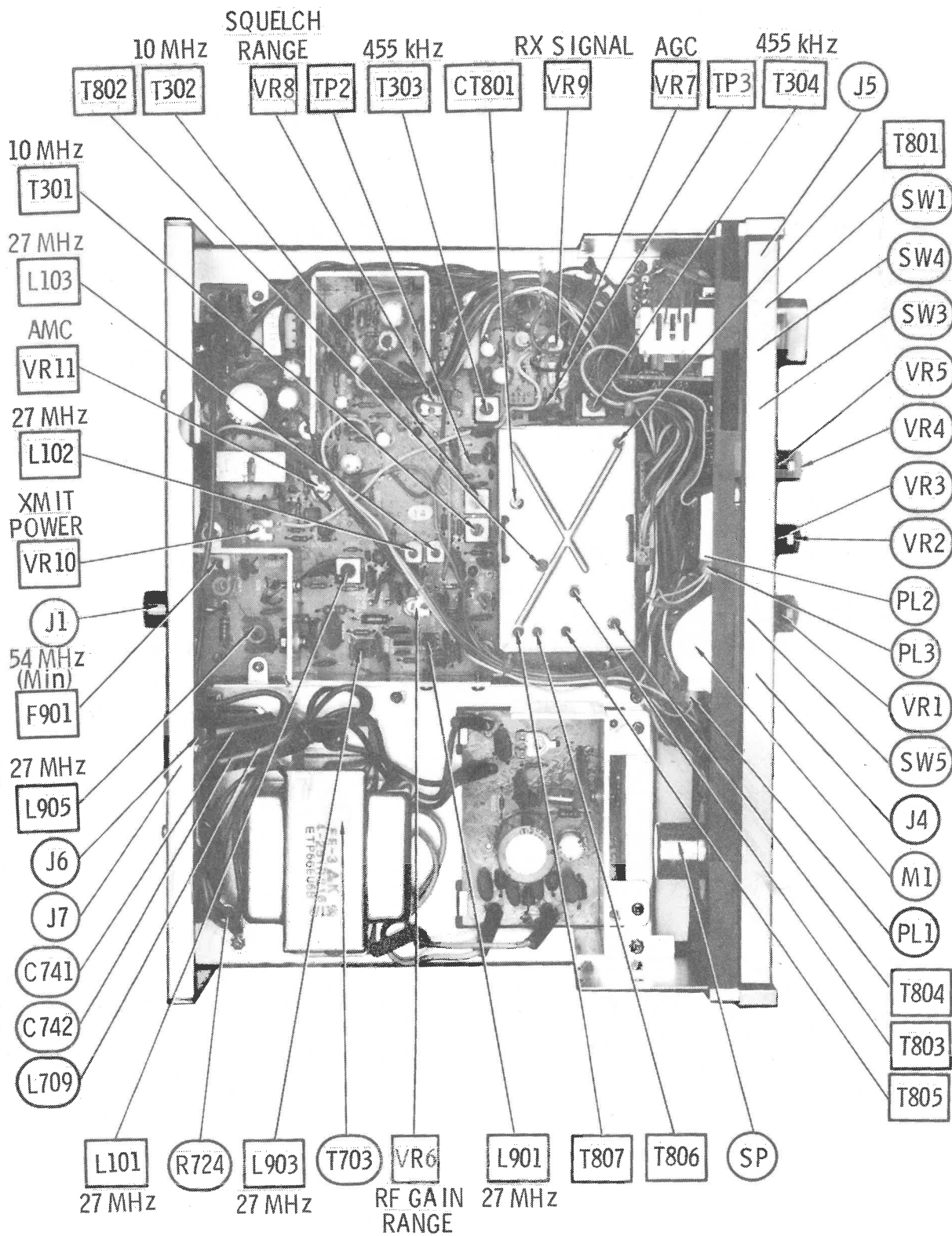


MIC BOARD

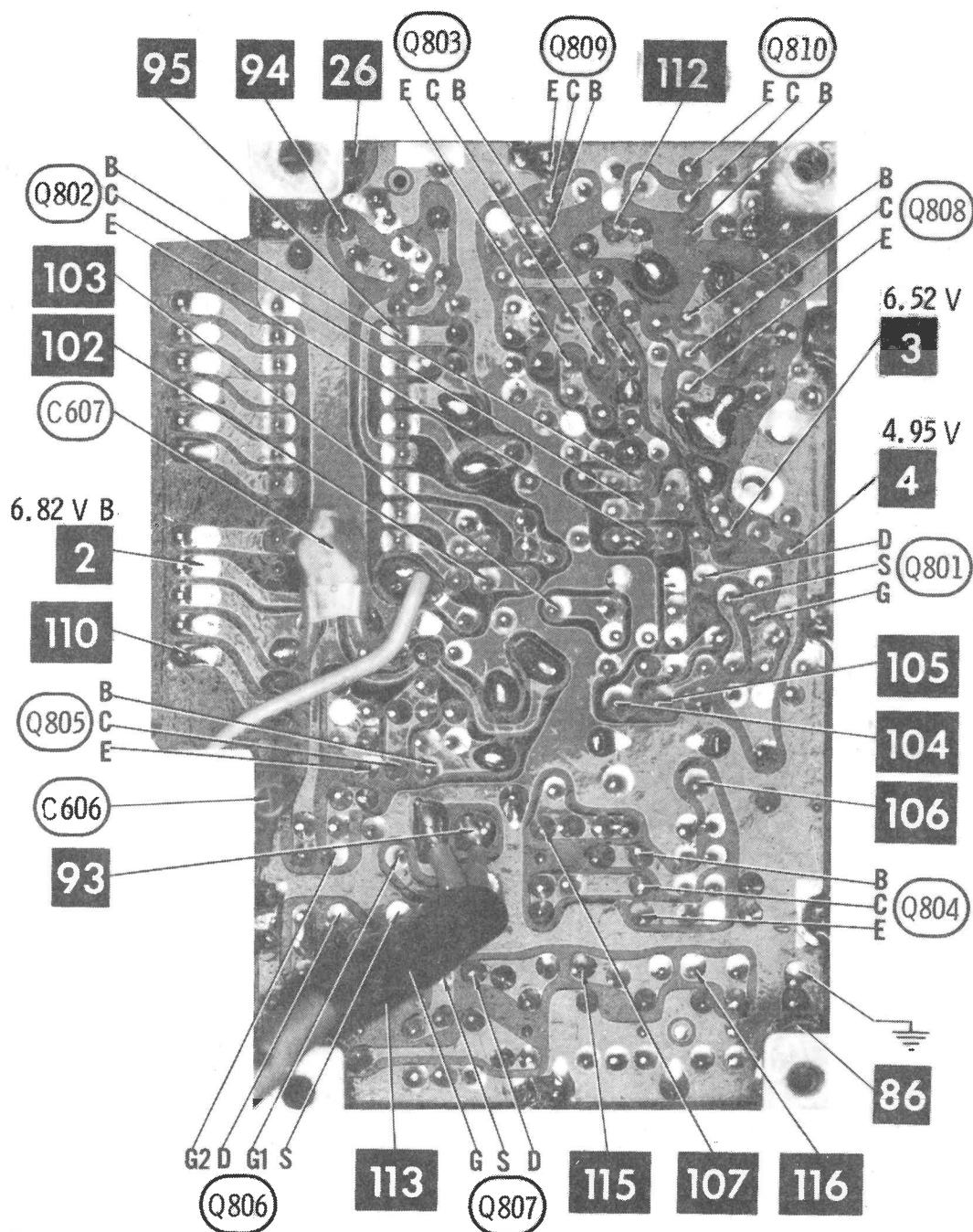
A Howard W. Sams CIRCUITRACE® Photo



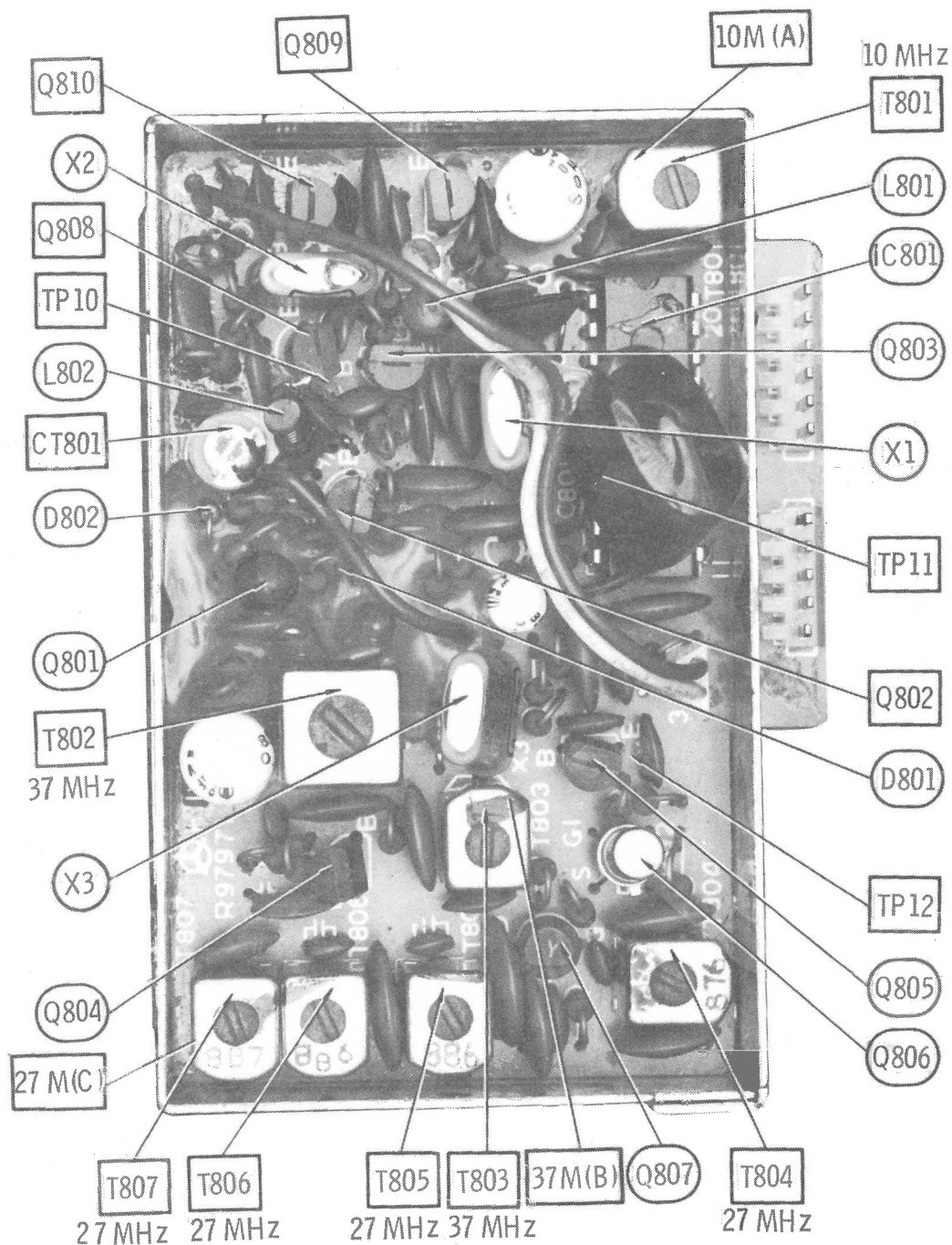
EARPHONE BOARD



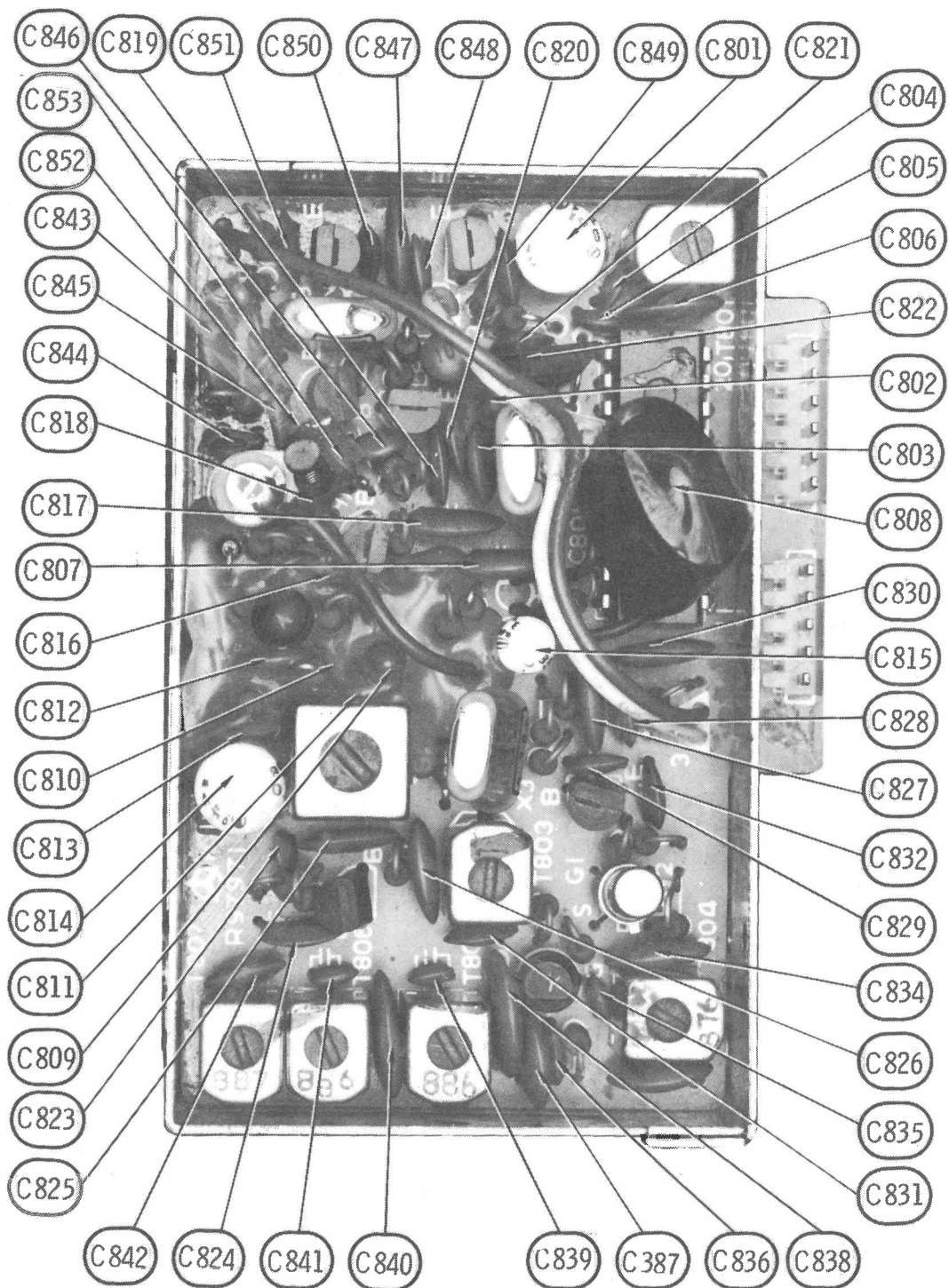
CHASSIS-BOTTOM



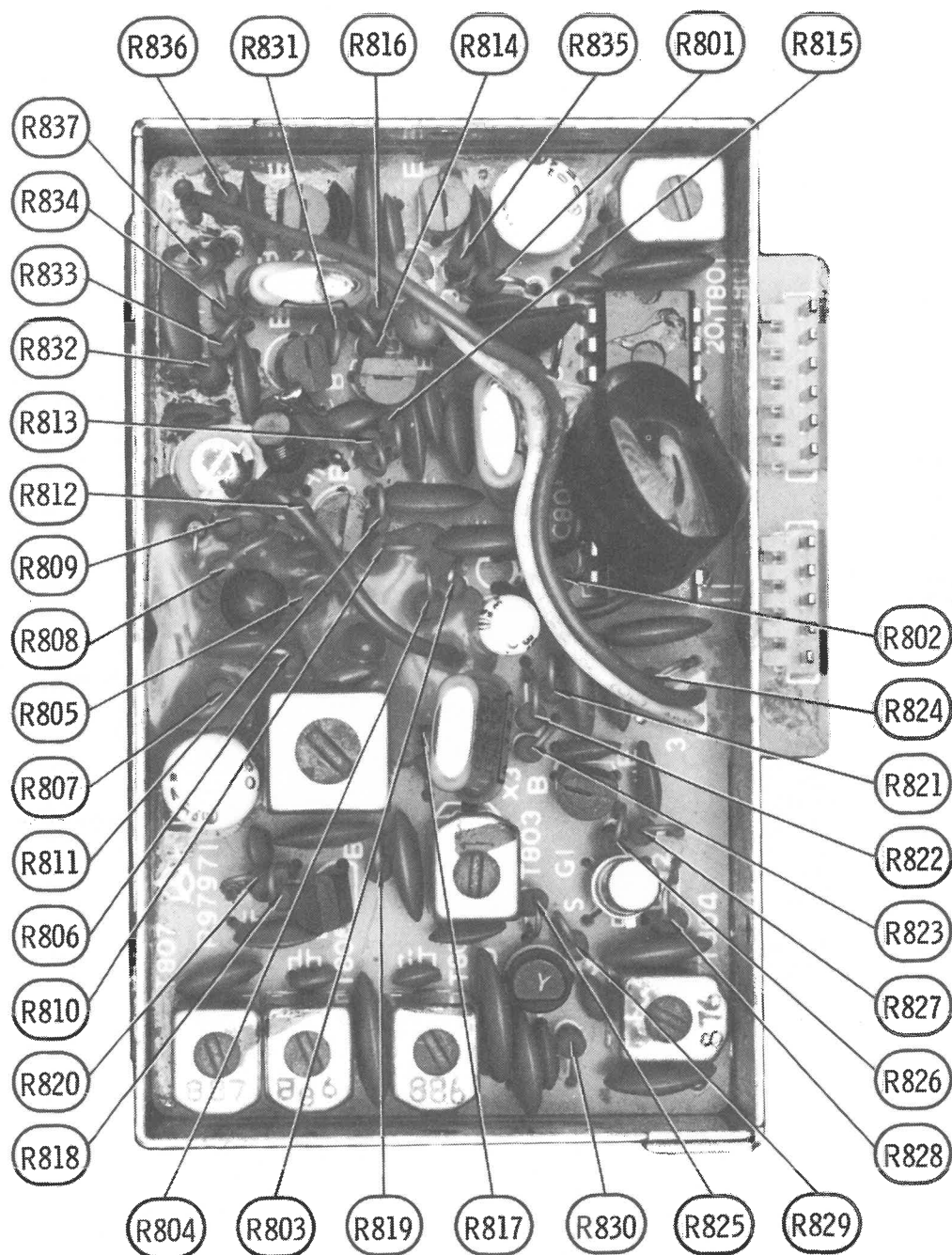
PLL BOARD



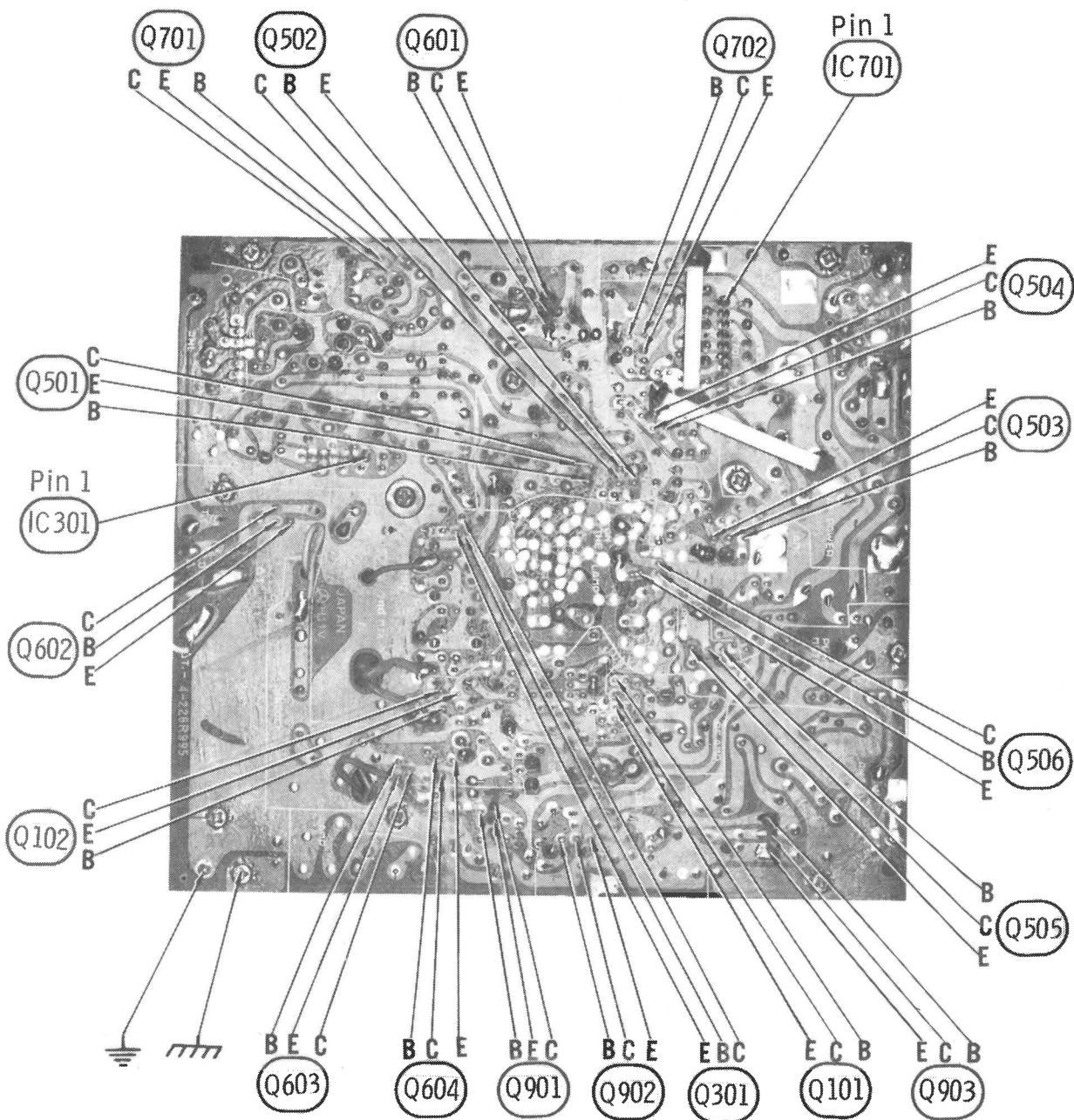
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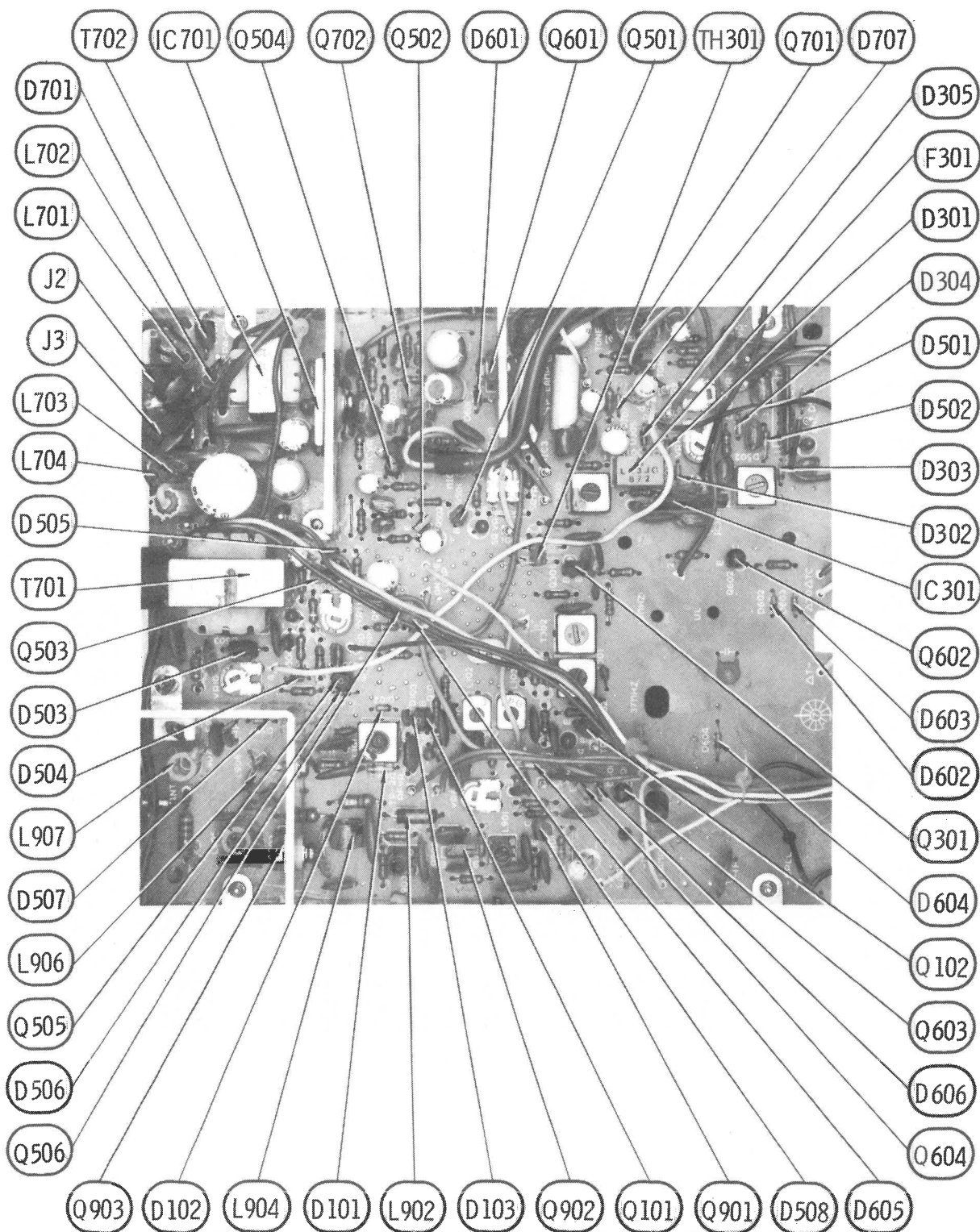
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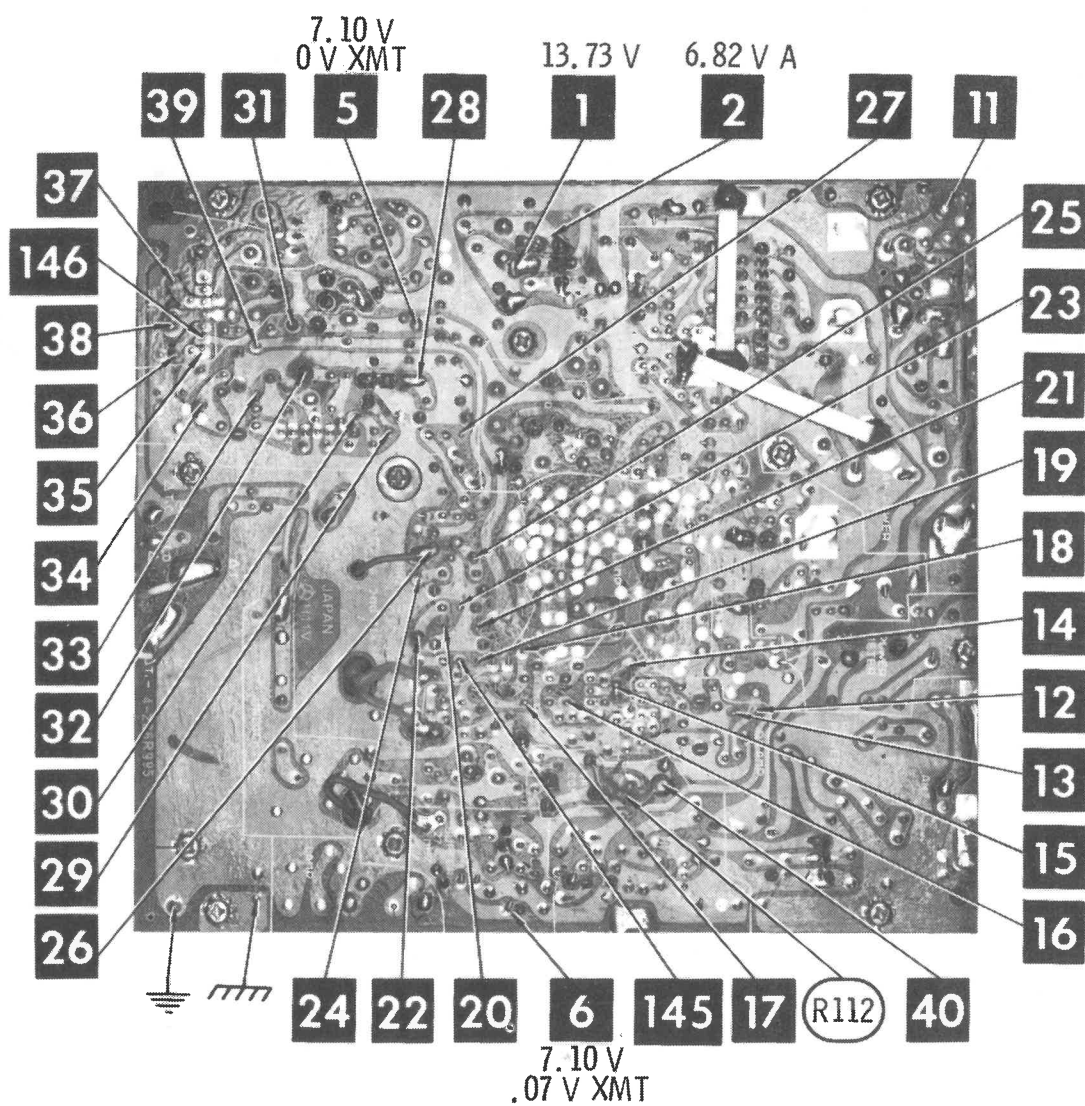
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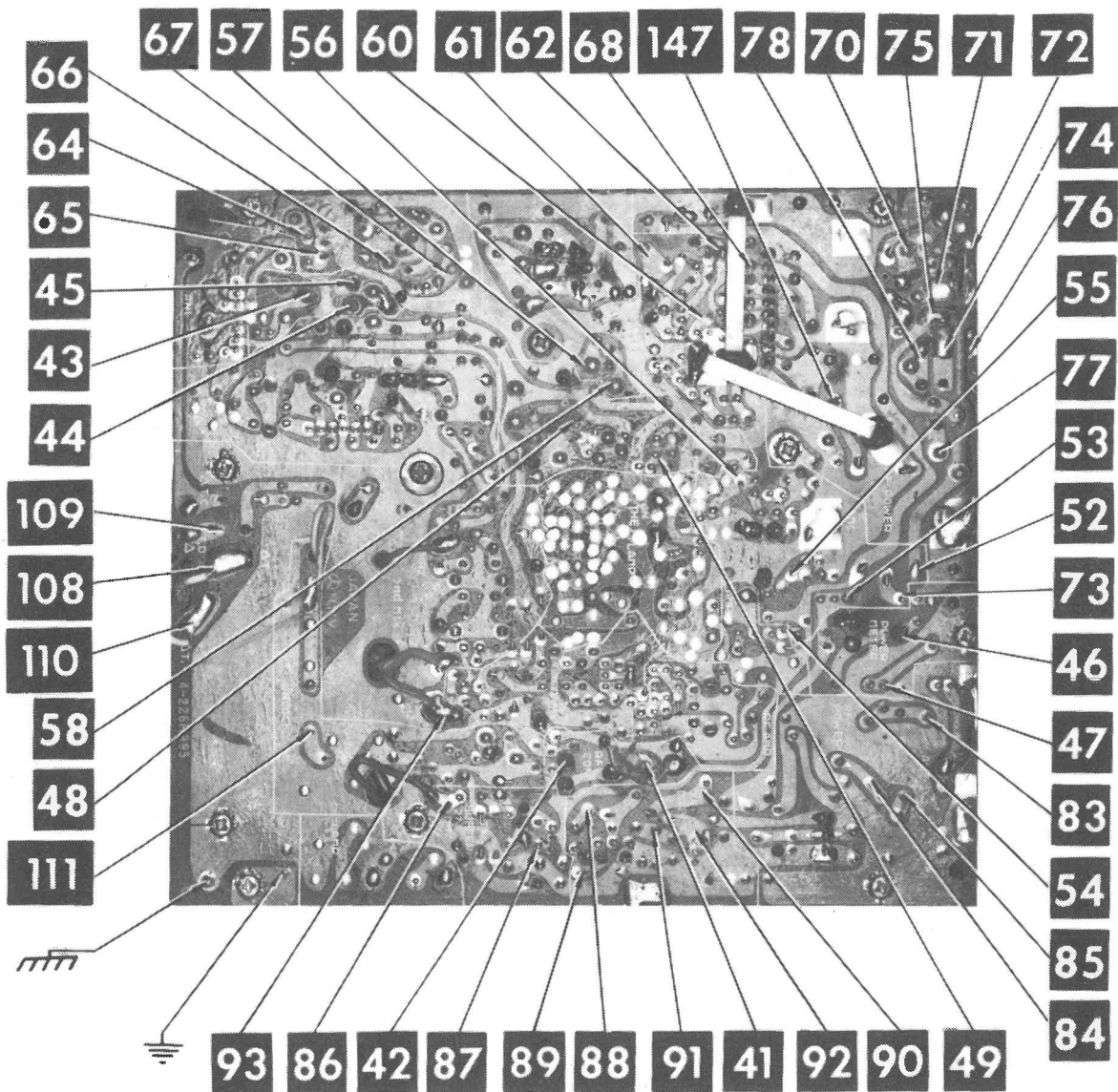
MAIN BOARD



MAIN BOARD

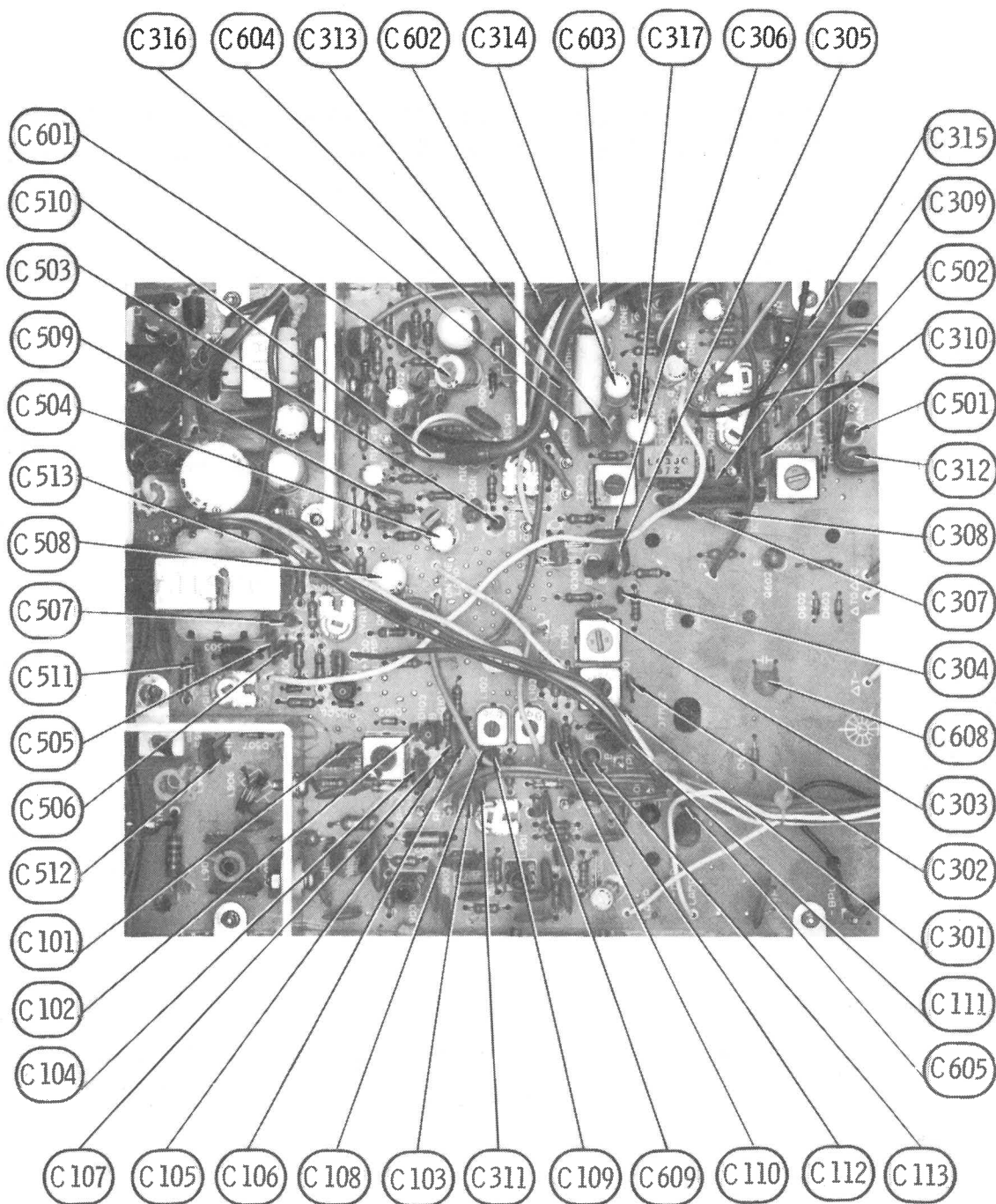


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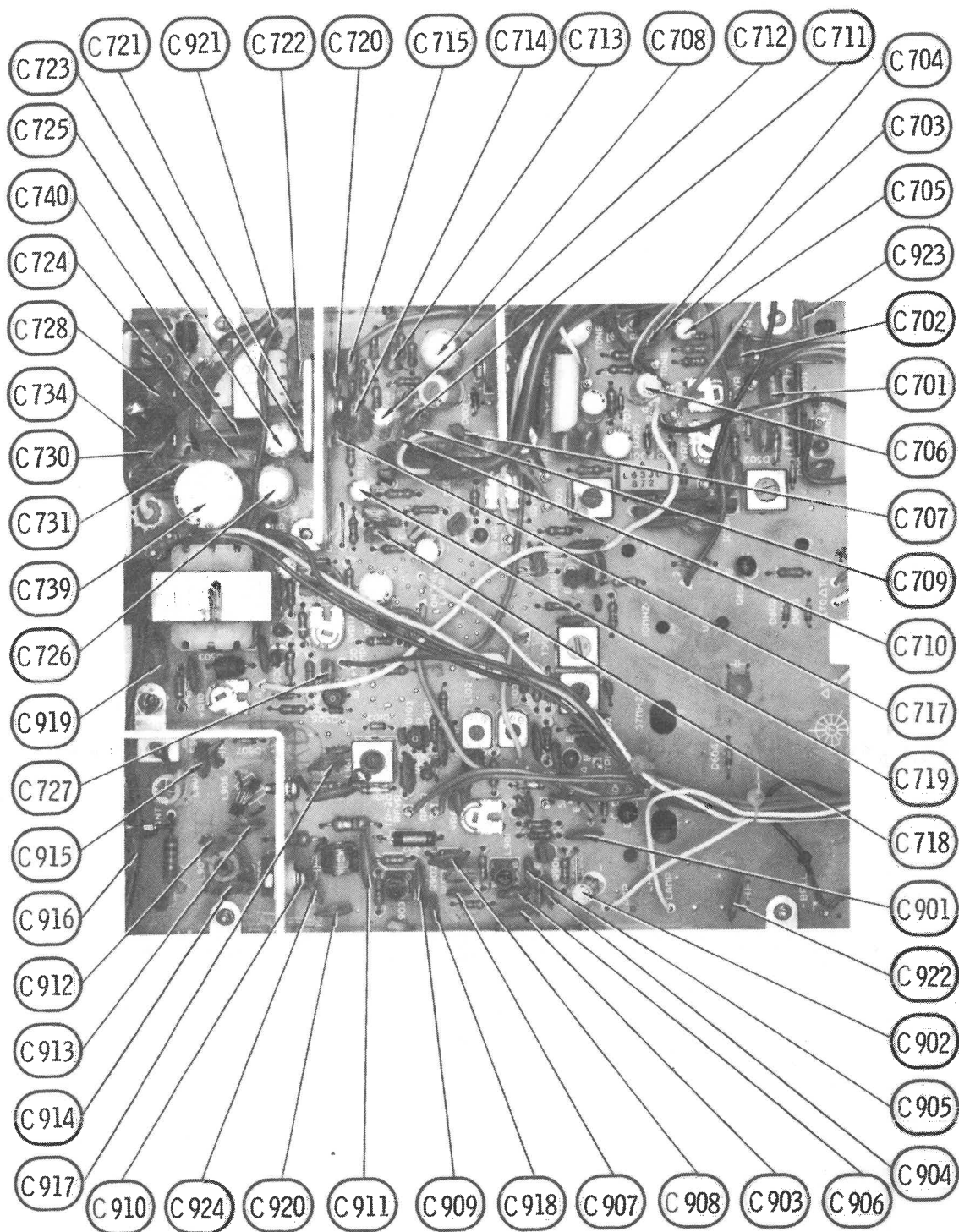


GENERAL ELECTRIC MODEL 3-5871B

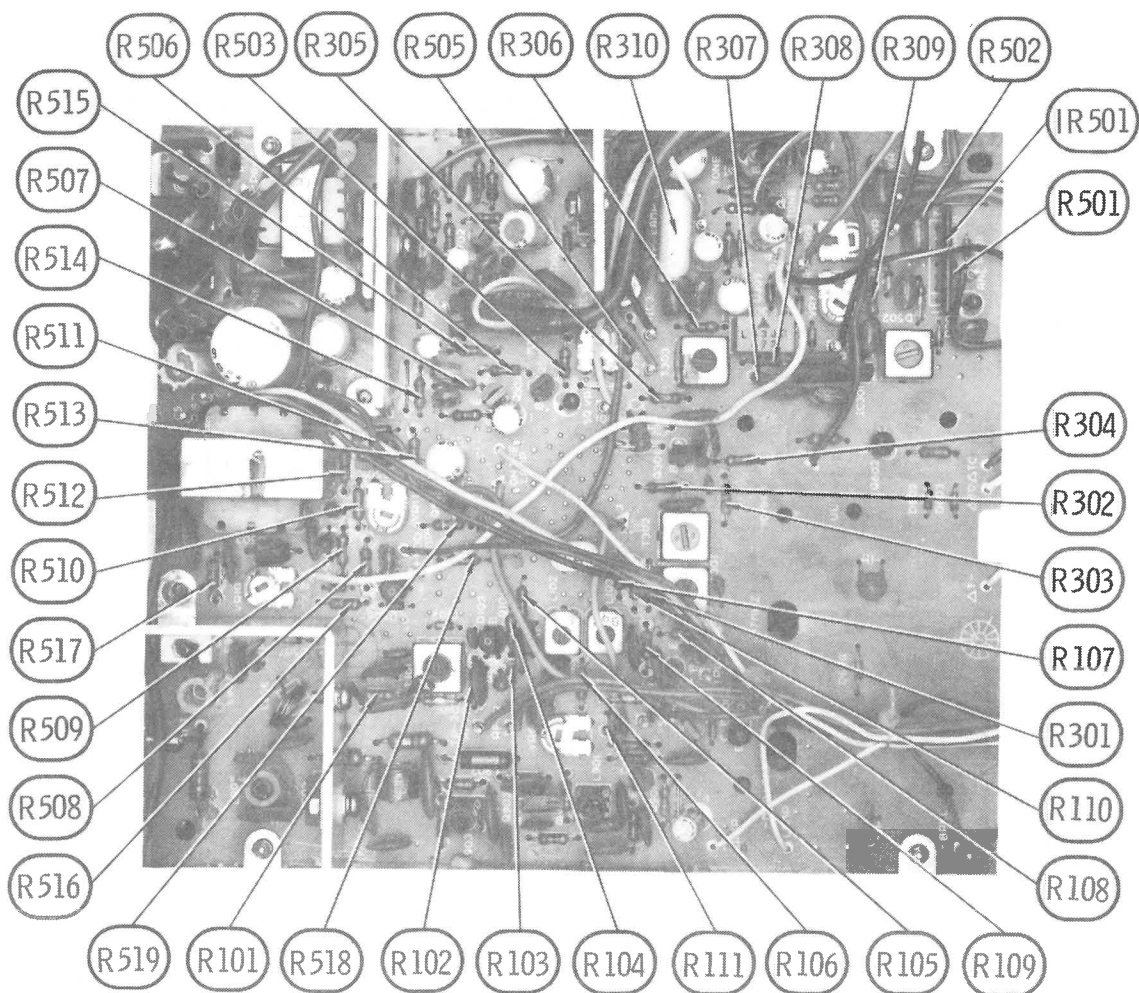
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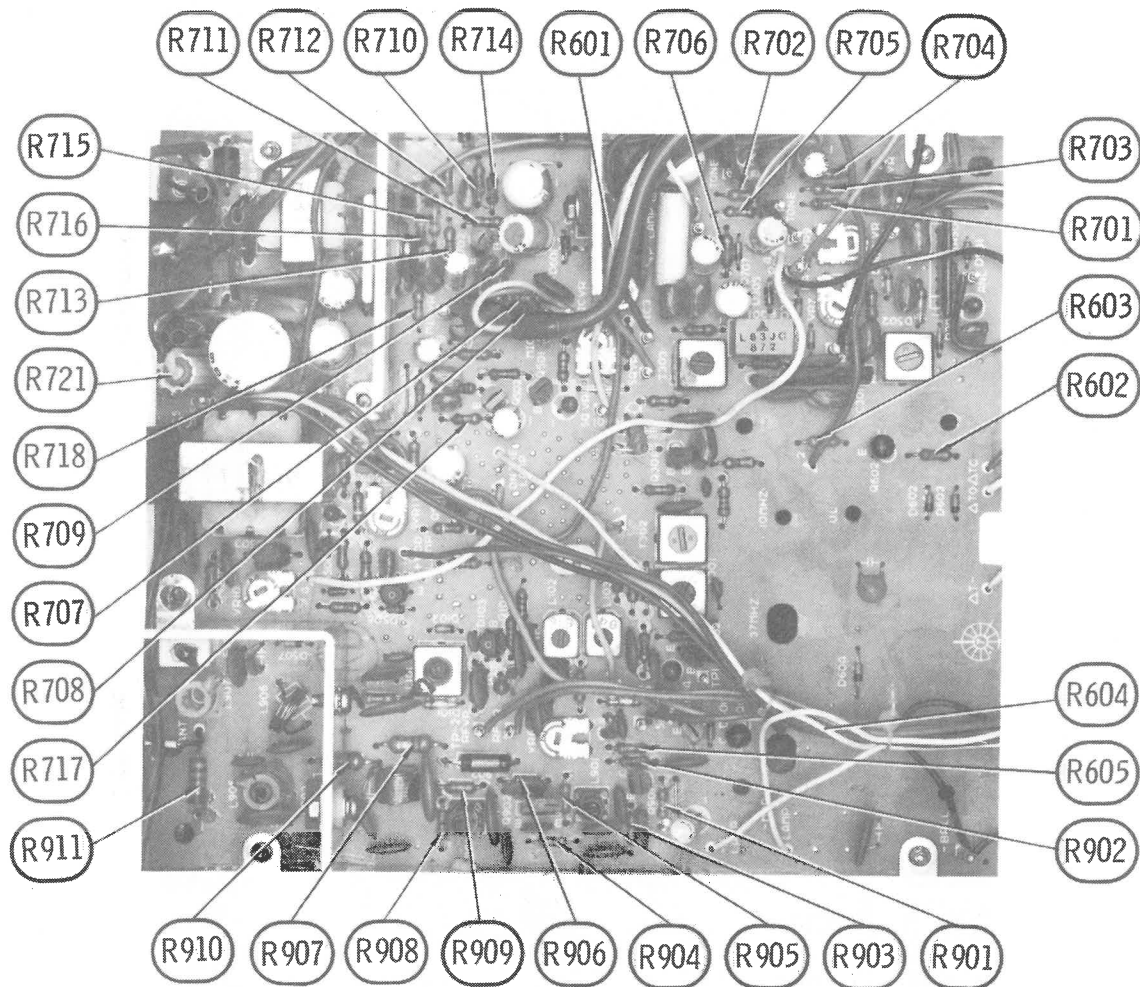
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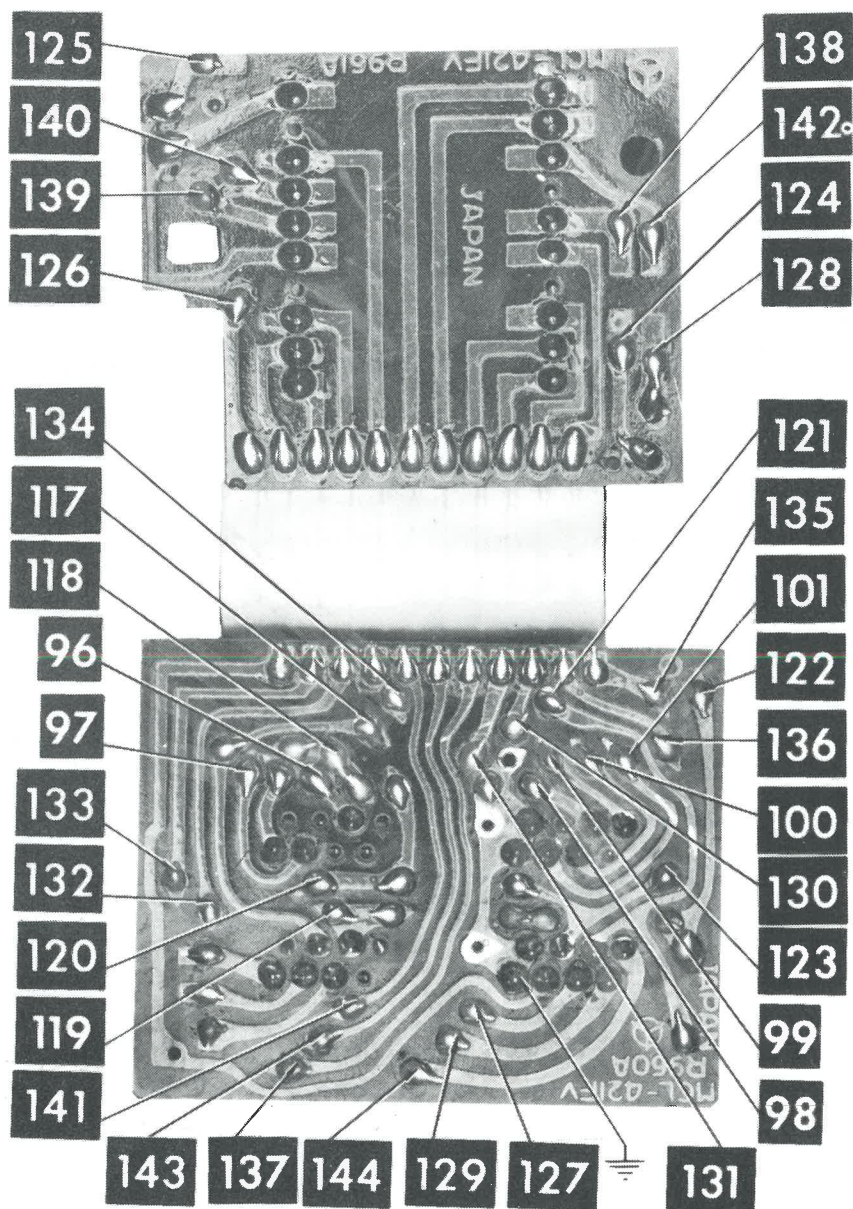
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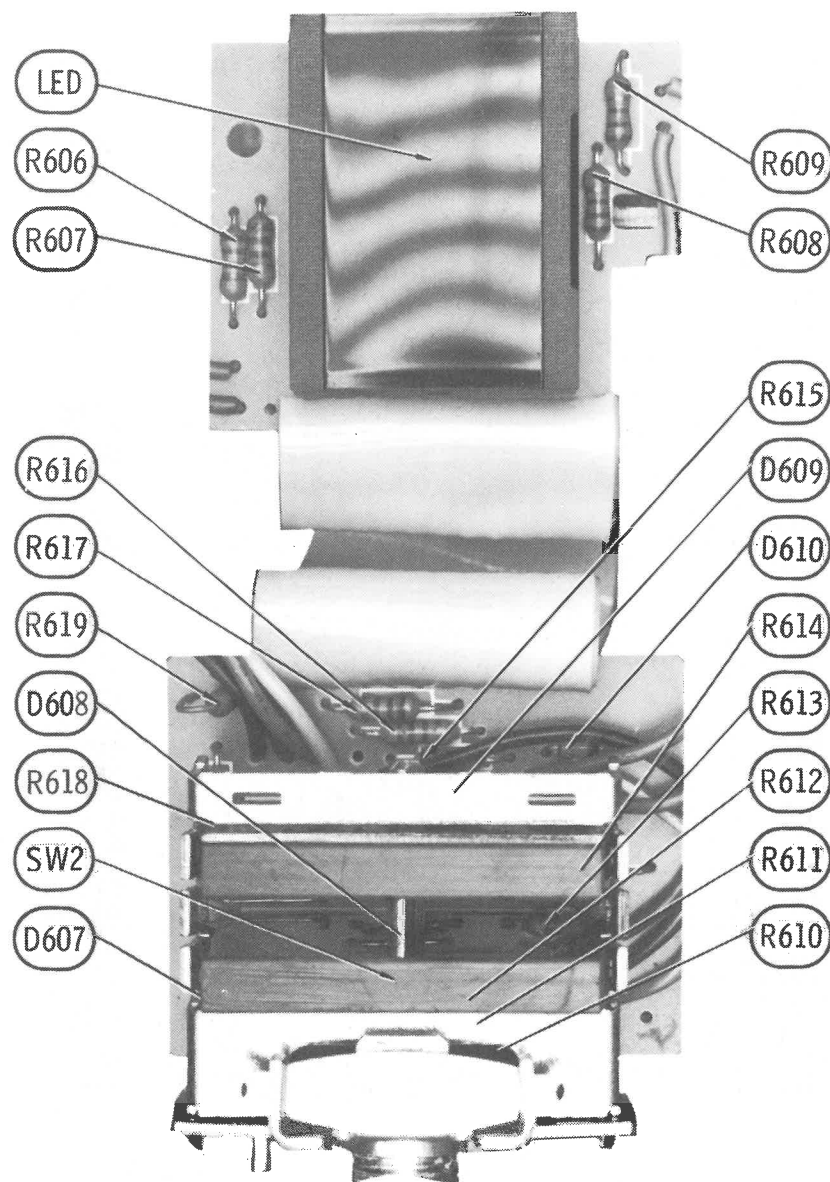
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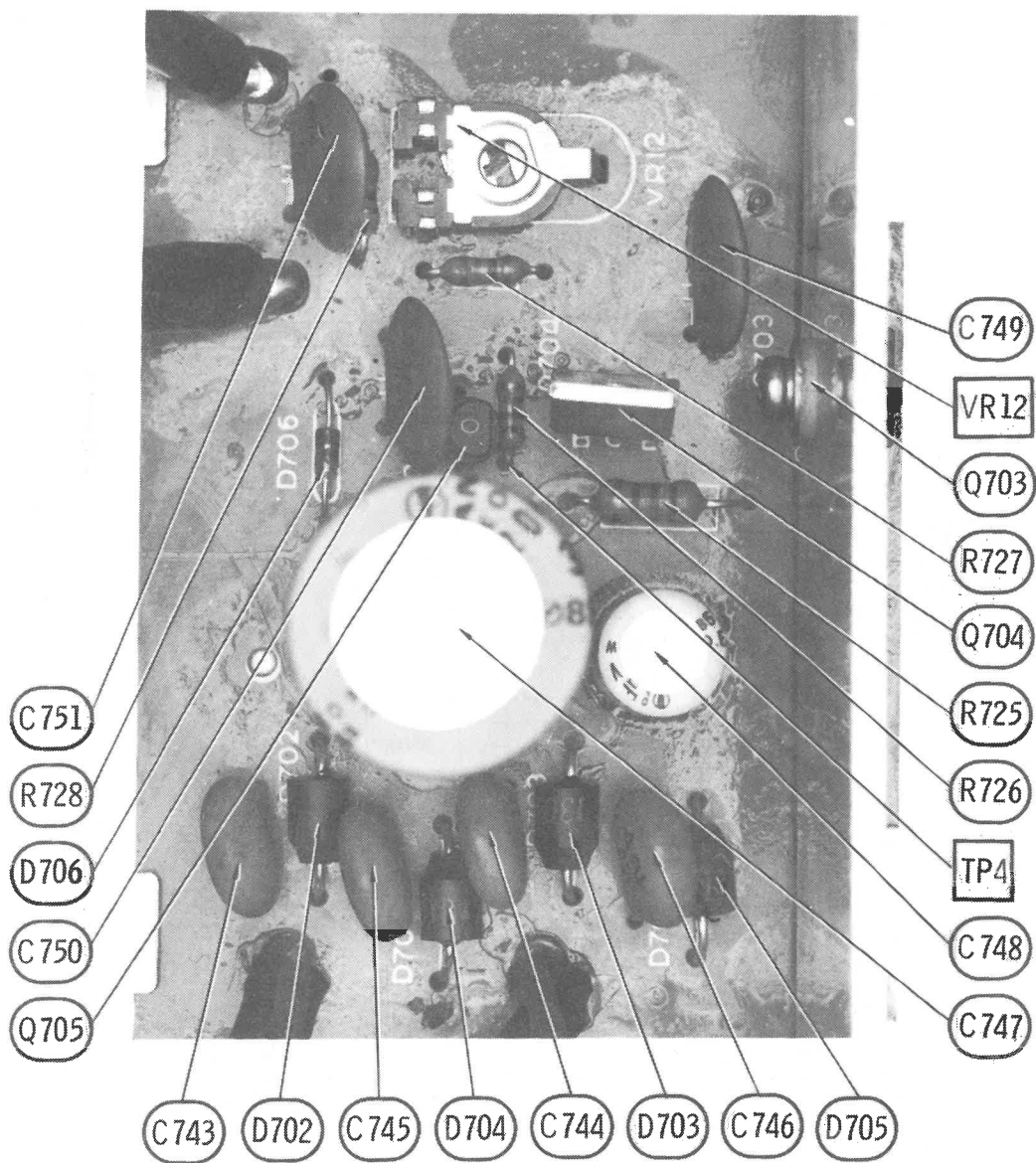
MAIN BOARD



CH. SEL. & LED BOARD



CH. SEL. & LED BOARD



POWER SUPPLY BOARD



PARTS LIST AND DESCRIPTION

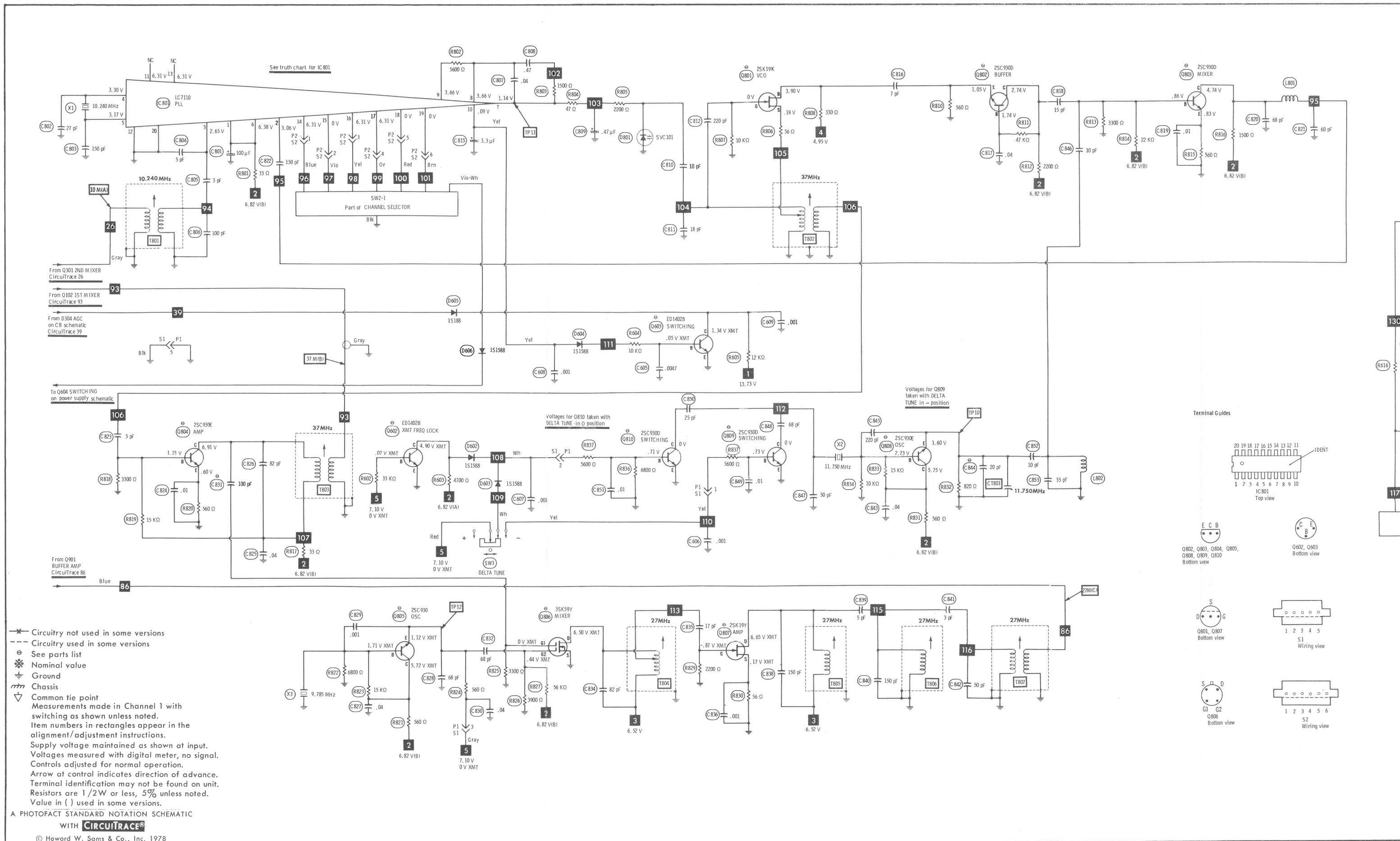
(When ordering parts, state Model, Part Number, and Description.)

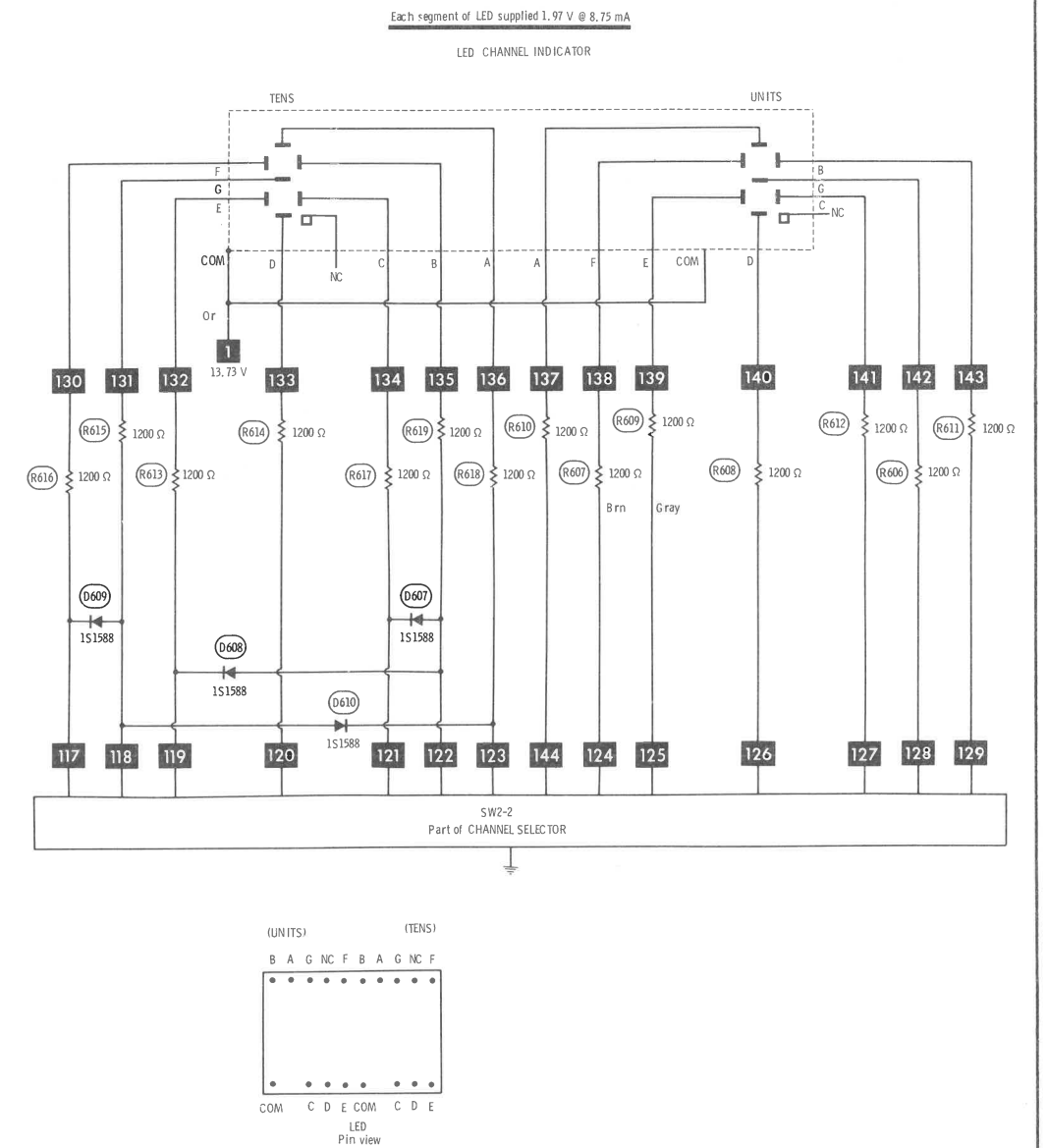
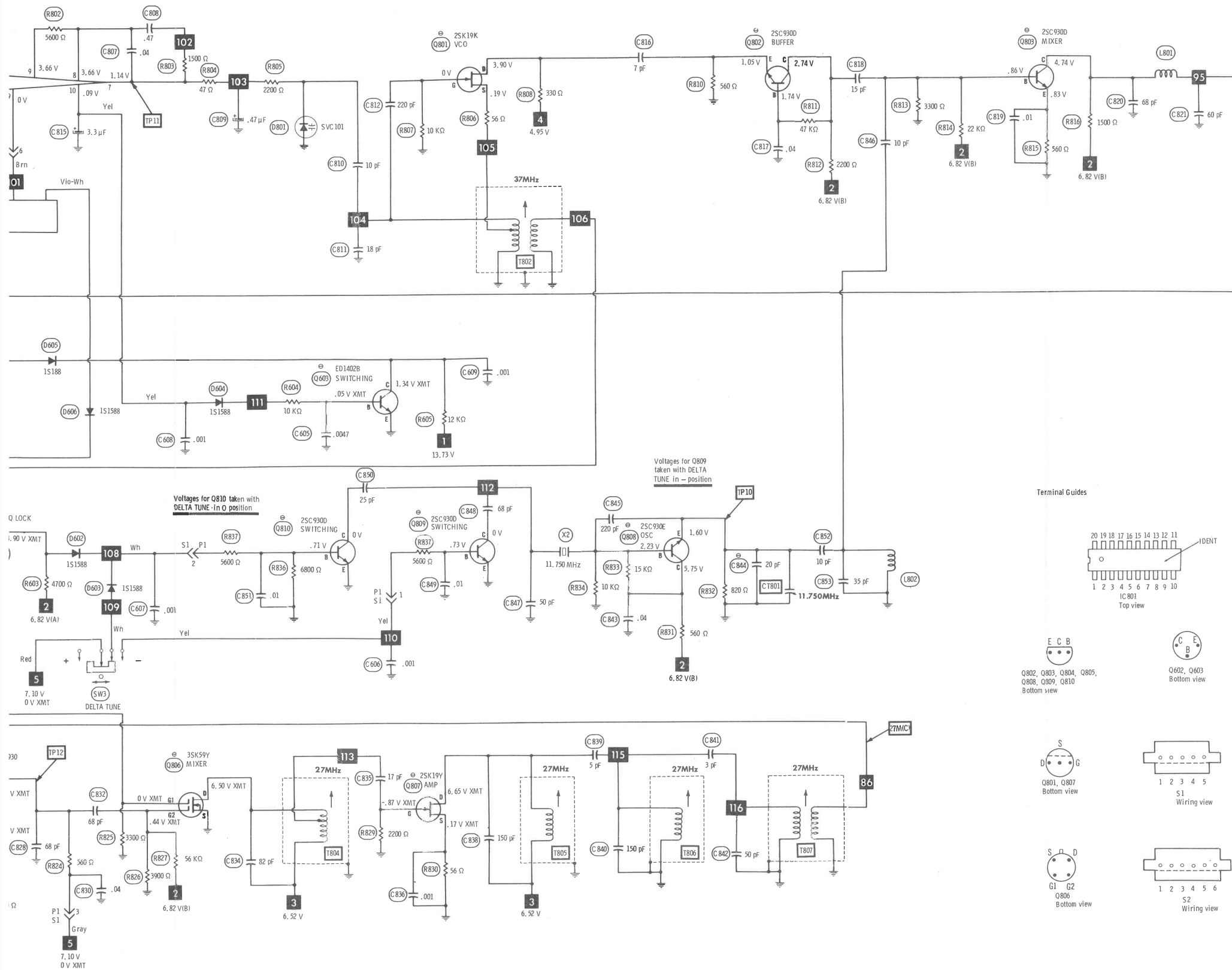
SEMICONDUCTORS (Select replacement transistor for best results)

ITEM No.	TYPE No.	MFR. PART No.	REPLACEMENT DATA									
			GENERAL ELECTRIC PART No.	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.
D101	1S188	EA16X140	1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109	1N60	WEP134	ZEN-430
D102	ITT-73	EA16X35	GE-300	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177		WEP1062	
	1S1588	EA16X152	GE-300	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177		WEP1062	
D301	ITT-73	EA16X35	GE-300	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177		WEP1062	
	1S1588	EA16X152	GE-300	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177		WEP1062	
D302	ITT-73	EA16X35	GE-300	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177		WEP1062	
	1S1588	EA16X152	GE-300	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177		WEP1062	
D303	ITT-73	EA16X35	GE-300	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177		WEP1062	
D304	ITT-73	EA16X35	GE-300	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177		WEP1062	
	1S1588	EA16X152	GE-300	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177		WEP1062	
D305	XZ-070	EA16X123	GEZD-7.5	ZM7.5A	HEPZ0216A	RE 111	SK3059	RT-239	ECG5015	1N4737A	WEP1416	ZEN-501
D501	ITT-73	EA16X123	GE-300	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177		WEP1062	
D502	1S188	EA16X140	1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109	1N60	WEP134	ZEN-430
D503	DS130	RV1424	GE-504A	PTC201	HEPR0052	RE 49	SK8017A	RT-213	ECG116	1N4004	WEP156	212-61
	10D-1	EA57X14	GE-504A	PTC201	HEPR0052	RE 49	SK3017A	RT-213	ECG116	1N4004	WEP156	
D504	1S1587	EA16X172	GE-300	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177		WEP1062	
D505	ITT-73	EA16X35	GE-300	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177		WEP1062	
	1S1588	EA16X152	GE-300	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177		WEP1062	
D506	1S1588	EA16X152	GE-300	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177		WEP1062	
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D507	ITT-73	EA16X35	GE-300	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177		WEP1062	
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	1S553		GE-300	PTC214	HEPR0602	RE 52	SK3175	RT-218	ECG177		WEP1062	
D601	XZ-084	EA16X173	GEZD-8.2	ZM8.2A	HEPZ0217A	RE 112	SK3059	RT-257	ECG5016	1N4738A	WEP1417	
D602	1S1588	EA16X152	GE-300	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177		WEP1062	
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D603	1S1588	EA16X152	GE-300	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177		WEP1062	
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D604	1S1588	EA16X152	GE-300	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177		WEP1062	
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D605	1S188	EA16X140	1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109	1N60	WEP134	ZEN-430
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D610	1S1588	EA16X152	GE-300	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177		WEP1062	
D701	DS-130	RV1424	GE-504A	PTC201	HEPR0052	RE 49	SK3017A	RT-213	ECG116	1N4004	WEP156	212-61
	10D-1		GE-504A	PTC201	HEPR0052	RE 49	SK3017A	RT-213	ECG116	1N4004	WEP156	212-61
D703	DS130	RV1424	GE-504A	PTC201	HEPR0052	RE 49	SK3017A	RT-213	ECG116	1N4004	WEP156	212-61
D704	DS130	RV1424	GE-504A	PTC201	HEPR0052	RE 49	SK3017A	RT-213	ECG116	1N4004	WEP156	212-61
D705	DS130	RV1424	GE-504A	PTC201	HEPR0052	RE 49	SK3017A	RT-213	ECG116	1N4004	WEP156	212-61
D706	XZ-070		GEZD-7.5	ZM7.5A	HEPZ0216A	RE 111	SK3059	RT-239	ECG5015	1N4737A	WEP1416	ZEN-501
D801	SVC-101		GE-90		HEPR2503			RT-262	ECG614		WEP200	ZEN-453
D802	XZ-049					RE 105	SK3126		ECG135			103-290
							SK3333					
IC301	CX-075B	EA33X8383										
IC701	TA7205P	EA33X8396	GEIC-179	PTC78		RE 357-1C	SK3231	TVMC-81	ECG1155	TA7205P	WEP949	
IC801	LC7110											
Q101	2SC784-0	EA15X176	GE-60*	PTC132*	HEPS0008*	RE 28*	SK3122	RT-187	ECG229*	2SC784	WEP784	ZEN-104
	2SC784		GE-60*	PTC132*	HEPS0008*	RE 28*	SK3122	RT-187	ECG229*	2SC784	WEP784	ZEN-104
Q102	2SC1674K	EA15X376	GE-61	PTC132*	HEPS0010*	RE 9*	SK3275	RT-308	ECG229*		WEP956*	
	2SC1674		GE-61	PTC132*	HEPS0010*	RE 9*	SK3275	RT-308	ECG229*		WEP956*	
Q301	2SC930E	RT6787	GE-60*	PTC132*	HEPS0016*	RE 9	SK3122	RT-308	ECG229*	2SC930	WEP956*	ZEN-127
	2SC930		GE-60*	PTC132*	HEPS0016*	RE 9	SK3122	RT-308	ECG229*	2SC930	WEP956*	ZEN-127
Q501	2SA733Q	EA15X185	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	
Q502	2SC945Q	EA16X404	GE-212	PTC121*	HEPS0015*	RE 192	SK3124	RT-107A	ECG199	2SC945	WEP1945	121-Z9000
	2SC945		GE-212	PTC121*	HEPS0015*	RE 192	SK3124	RT-107A	ECG199	2SC945	WEP1945	121-Z9000
	2SC372Y	EA15X180	GE-61*	PTC121*	HEPS0015*	RE 13*	SK3444	RT-308	ECG123A*	2SC372	WEP372	ZEN-114
	2SC536E	RT7326	GE-212	PTC121*	HEPS0016*	RE 192	SK3124	RT-107A	ECG199	2SC945	WEP536	ZEN-119
Q503	2SB564L	EA15X420	GE-67	PTC177	HEPS3032	RE 197	SK3114	RT-115	ECG193		WEP242	
	2SB564		GE-67	PTC177	HEPS3032	RE 197	SK3114	RT-115	ECG193		WEP242	
Q504	2SC945Q	EA15X404	GE-212	PTC121*	HEPS0015*	RE 192	SK3124	RT-107A	ECG199	2SC945	WEP1945	121-Z9000
	2SC372Y	EA15X180	GE-61*	PTC121*	HEPS0015*	RE 13*	SK3444	RT-308	ECG123A*	2SC372	WEP372	ZEN-114
	2SC536E	RT7326	GE-212	PTC121*	HEPS0016*	RE 192	SK3124	RT-107A	ECG199	2SC945	WEP536	ZEN-119
	MTE200E		GE-212	PTC121*	HEPS0016*	RE 192	SK3124	RT-107A	ECG199	2SC945	WEP536	ZEN-119
Q505	2SA495-0	EA7314	GE-221*	PTC103*	HEPS0013*	RE 26*	SK3118	RT-303	ECG159*	2SA495	WEP495	ZEN-106
	2SA945		GE-221*	PTC103*	HEPS0013*	RE 26*	SK3118	RT-303	ECG159*	2SA495	WEP495	ZEN-106
Q206	JE9014B	EA15X421	GE-212	PTC121*	HEPS0015*	RE 192	SK3124	RT-107A	ECG199	2SC945	WEP1945	121-Z9000
	JE9014, C, D, E		GE-212	PTC121*	HEPS0015*	RE 192	SK3124	RT-107A	ECG199	2SC945	WEP1945	121-Z9000
Q601	MJE200E	EA15X406	GE-28	PTC110	HEPS5027	RE 42	SK3197	RT-160	ECG186A			
Q602	BC408B	EA15X370	GE-20	PTC123	HEPS0015	RE 192	SK3122	RT-102	ECG199			
	ED1402B	EA15X422	GE-20	PTC121	HEPS0015	RE 13	SK3444	RT-102	ECG123A			
	ED1402		GE-20	PTC121	HEPS0015	RE 13	SK3018	RT-102	ECG123A			
Q603	BC408B	EA15X370	GE-20	PTC123	HEPS0015	RE 192	SK3122	RT-102	ECG199			
	ED1402B	EA15X422	GE-20	PTC121	HEPS0015	RE 13	SK3444	RT-102	ECG199			
	ED1402		GE-20	PTC121	HEPS0015	RE 13	SK3018	RT-102	ECG199			
Q604	JE9014B	EA15X421	GE-212	PTC121*	HEPS0015*	RE 192	SK3124	RT-107A	ECG199	2SC945	WEP1945	121-Z9000
	JE9014, C, D, E		GE-212	PTC121*	HEPS0015*	RE 192	SK3124	RT-107A	ECG199	2SC945	WEP1945	121-Z9000
Q701	2SC536E	RT7326	GE-212	PTC121*	HEPS0016*	RE 192	SK3124	RT-107A	ECG199	2SC945	WEP536	ZEN-119
	2SC536		GE-212	PTC121*	HEPS0016*	RE 192	SK3124	RT-107A	ECG199	2SC945	WEP536	ZEN-119
Q702	2SC536E	RT7326	GE-212	PTC121*	HEPS0016*	RE 192	SK3124	RT-107A	ECG199	2SC945	WEP536	ZEN-119
	2SC536		GE-212	PTC121*	HEPS0016*	RE 192	SK3124	RT-107A	ECG199	2SC945	WEP536	ZEN-119
Q703	2SD234-0	EA15X407	GE-66	HEPS5027		RE 21	SK3054	RT-197	ECG152		WEP745	
	2SD234		GE-66	HEPS5027		RE 21	SK3054	RT-197	ECG152		WEP745	

GENERAL ELECTRIC MODEL 3-5871B







TRUTH CHART

1 = <u>6.31</u> Volts 0 = <u>0</u> Volts								
C H A N N E L	IC801 PROGRAM DIVIDER						REC VCO OUTPUT IN MHz AT 37M(B)	XMT VCO OUTPUT IN MHz AT 27M(C)
	PINS							
	14	15	16	17	18	19		
1	1	0	1	1	0	0	36.750	26.965
2	1	0	1	0	1	1	36.760	26.975
3	1	0	1	0	1	0	36.770	26.985
4	1	0	1	0	0	0	36.790	27.005
5	1	0	0	1	1	1	36.800	27.015
6	1	0	0	1	1	0	36.810	27.025
7	1	0	0	1	0	1	36.820	27.035
8	1	0	0	0	1	1	36.840	27.055
9	1	0	0	0	1	0	36.850	27.065
10	1	0	0	0	0	1	36.860	27.075
11	1	0	0	0	0	0	36.870	27.085
12	0	1	1	1	1	0	36.890	27.105
13	0	1	1	1	0	1	36.900	27.115
14	0	1	1	1	0	0	36.910	27.125
15	0	1	1	0	1	1	36.920	27.135
16	0	1	1	0	0	1	36.940	27.155
17	0	1	1	0	0	0	36.950	27.165
18	0	1	0	1	1	1	36.960	27.175
19	0	1	0	1	1	0	36.970	27.185
20	0	1	0	1	0	0	36.990	27.205

1 = <u>6.31</u> Volts 0 = <u>0</u> Volts								
C H A N N E L	IC801 PROGRAM DIVIDER						REC VCO OUTPUT IN MHz AT 37M(B)	XMT VCO OUTPUT IN MHz AT 27M(C)
	PINS							
	14	15	16	17	18	19		
21	0	1	0	0	1	1	37.000	27.215
22	0	1	0	0	1	0	37.010	27.225
23	0	0	1	1	1	1	37.040	27.255
24	0	1	0	0	0	1	37.020	27.235
25	0	1	0	0	0	0	37.030	27.245
26	0	0	1	1	1	0	37.050	27.265
27	0	0	1	1	0	1	37.060	27.275
28	0	0	1	1	0	0	37.070	27.285
29	0	0	1	0	1	1	37.080	27.295
30	0	0	1	0	1	0	37.090	27.305
31	0	0	1	0	0	1	37.100	27.315
32	0	0	1	0	0	0	37.110	27.325
33	0	0	0	1	1	1	37.120	27.335
34	0	0	0	1	1	0	37.130	27.345
35	0	0	0	1	0	1	37.140	27.355
36	0	0	0	1	0	0	37.150	27.365
37	0	0	0	0	1	1	37.160	27.375
38	0	0	0	0	1	0	37.170	27.385
39	0	0	0	0	0	1	37.180	27.395
40	0	0	0	0	0	0	37.190	27.405

GENERAL ELECTRIC MODEL 3-5871B

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.
Q704	2SC1173-0	EA15X271	GE-215	PTC186		RE 201	SK3041	RT-160	ECG236	2SC1173	WEP840	
Q705	2SC1173	EA15X180	GE-215	PTC186		RE 201	SK3041	RT-160	ECG236	2SC1173	WEP840	
	2SC372-0		GE-61*	PTC121*	HEPS0015*	RE 13*	SK3444	RT-308	ECG123A*	2SC372	WEP372	ZEN-114
	2SC372		GE-61*	PTC121*	HEPS0015*	RE 13*	SK3444	RT-308	ECG123A*	2SC372	WEP372	ZEN-114
Q801	2SK19Y		GE-FET-2	PTC161	HEPF0021	RE 45	SK3448	RT-175	ECG312		WEP920	ZEN-123
	2SK19H		GE-FET-2	PTC161	HEPF0021	RE 45	SK3448	RT-175	ECG312		WEP920	ZEN-123
Q802	2SC930D		GE-60*	PTC132*	HEPS0016*	RE 9	SK3018*	RT-308	ECG229*	2SC930	WEP956*	ZEN-127
Q803	2SC930D		GE-60*	PTC132*	HEPS0016*	RE 9	SK3018*	RT-308	ECG229*	2SC930	WEP956*	ZEN-127
Q804	2SC930E		GE-60*	PTC132*	HEPS0016*	RE 9	SK3122	RT-308	ECG229*	2SC930	WEP956*	ZEN-127
Q805	2SC930E		GE-60*	PTC132*	HEPS0016*	RE 9	SK3122	RT-308	ECG229*	2SC930	WEP956*	ZEN-127
Q806	3SK59Y		GE-FET-4	PTC182	HEPF2004	RE 199	SK3050	RT-181	ECG222		WEP905	121-826
	3SK40ML		GE-FET-4	PTC182	HEPF2004	RE 199	SK3448	RT-181	ECG222		WEP905	121-826
Q807	2SK19Y		GE-FET-2	PTC161	HEPF0021	RE 45	SK3448	RT-175	ECG312		WEP920	ZEN-123
	2SK19H		GE-FET-2	PTC161	HEPF0021	RE 45	SK3122	RT-175	ECG312		WEP920	ZEN-123
Q808	2SC930E		GE-60*	PTC132*	HEPS0016*	RE 9	SK3018*	RT-308	ECG229*	2SC930	WEP956*	ZEN-127
Q809	2SC930D		GE-60*	PTC132*	HEPS0016*	RE 9	SK3018*	RT-308	ECG229*	2SC930	WEP956*	ZEN-127
Q810	2SC930D		GE-60*	PTC132*	HEPS0016*	RE 9	SK3018*	RT-308	ECG229*	2SC930	WEP956*	ZEN-127
Q901	BC546	EA15X361	GE-62*	PTC139	HEPS0015*	RE 13*	SK3197	RT-172*	ECG123A*	2SC930	WEP956*	ZEN-127
Q902	2SC1957(13)	EA15X409	GE-270	PTC180	HEPS3044	RE 209	SK3197	RT-172*	ECG295		WEP913	ZEN-116
Q903	2SC1909	EA15X363(12)	GE-215	PTC186		RE 203	SK3197	RT-146	ECG235		WEP785	

* Lead configuration may vary from original.

(12) 10 WATTS @ 3 AMPS.

(13) 750 M WATTS @ 1.0 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
C105	.1 35V	EA31K247		TDC104M050EL	QDT1-2	SD50-R109
C113	10 10V	EA31X249		TDC106M025FL	QDT1-64	SD25-109
C314	33 10V	RT2315	PC30-25	VTT33B10	QV1-61	EV-1125
C317	4.7 10V	EA31X211	PC5-50	VTT4R7B50	QV1-27	EV-1319
C501	1 25V	RT5443		TDC105M035EL		SD35-19
C503	3.3 10V	RT2315		TDC335M015FL	QDT1-41	SD15-3R39
C504	2.2 16V	EA31X216	PC2-100	VTT2R2A50	QV1-19	EV-1517
C506	1 50V	EA31X204		TDC105M050EL	QDT1-25	SD50-19
C507	1 35V	RT5443		TDC105M035EL		SD35-19
C508	100 10V	RS6480	PC100-10	VTT100E10	QV1-93	EV-1130
C513	10 10V	EA31X246	PC10-25	VTT10B25	QV1-41	EV-1222
C601	100 10V	RS6480	PC100-10	VTT100E10	QV1-93	EV-1130
C603	220 10V	RT4768	PC250-10	VTT220F10	QV1-115	EV-1140
C705	10 10V	EA31X246	PC10-25	VTT10B25	QV1-41	EV-1222
C706	33 10V	RT2315	PC30-25	VTT33B10	QV1-61	EV-1125
C708	220 16V	RT5047	PC250-25	VTT220H16	QV1-117	EV-1240
C712	10 10V	EA31X246	PC10-25	VTT10B25	QV1-41	EV-1222
C719	4.7 25V	EA31X211	PC5-50	VTT4R7B50	QV1-27	EV-1319
C721	10 10V	EA31K249		TDC106M025FL	QDT1-64	SD25-109
C725	47 16V	EA31X214	PC50-16	VTT47D16	QV1-73	EV-1226
C726	220 16V	RT5047	PC250-25	VTT220H16	QV1-117	EV-1240
C739	1000 16V	EA31X200	PC1000-16	VTT1000L16	QV1-183	EV-1260
C747	2200 35V	EA31X192	WBR2000-50	TC50200A	QET-648	TVA-1318.3
C748	100 25V	EA31X226	PC100-25	VTT100G25	QV1-97	EV-1330
C801	100 10V	CE10107	PC100-10	VTT100E10	QV1-93	EV-1130
C809	.47 35V	CE135474		TDC474R050EL	QDT1-19	SD50-R479
C814	100 10V	CE10107	PC100-10	VTT100E10	QV1-93	EV-1130
C815	3.3 25V	CE10355	PC5-50	VTT3R3A50	QV1-23	EV-1318
C902	10 10V	EA31X246	PC10-25	VTT10B25	QV1-41	EV-1222

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
C101	30 N220 5% 50V	EA18X108			*	10TCR-Q30
C102	15 5% 50V		DTZ-15	NP015	CN0415	10TCC-Q15
C103	.039 50V				GP140	56A-S40
C104	.0047 50V		DD-472	GP4700	GP247	56A-D47
C106	35 N220 5% 50V	RT7405			*	10TCR-Q33
C107	.0047 50V		DD-472	GP4700	GP247	56A-D47
C108	2 N220 +.25 50V		DTZ-2R2	NP02P2	CN0522	10TCC-V22
C109	35 N220 5% 50V	RT7405			*	10TCR-Q33
C110	.0047 50V		DD-472	GP4700	GP247	56A-D47
C111	15 5% 50V		DTZ-15	NP015	CN0415	10TCC-Q15
C112	.022 50V		UK25-223			HY-725
C301	.039 50V				GP140	56A-S40
C302	2 N220 +.25 50V		DTZ-2R2	NP02P2	CN0522	10TCC-V22
C303	.039 50V				GP140	56A-S40
C304	30 5% 50V			CD15ED300J03	SX430	MMA-300
C305	.039 50V				M192P3939R8	1FT-S39
C306	.039 50V				GP140	56A-S40
C307	.0047 50V		DD-472	GP4700	GP247	56A-D47
C308	.039 50V				M192P3939R8	1FT-S39
C309	.039 50V				GP140	56A-S40
C310	.039 50V				M192P3939R8	1FT-S39
C311	.039 50V				GP140	56A-S40
C312	.01 50V			WMF1S1	EWFTA110	1FT-S10

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	GENERAL LINE
C313	.039 50V				M192P3939R8	QFT2-159	1FT-S39
C315	.039 50V				GP140		5GA-S40
C316	.039 50V				M192P3939R8	QFT2-159	1FT-S39
C502	.039 50V				M192P3939R8	QFT2-159	1FT-S39
C505	.0047 50V		DD-472	GP4700	GP247		5GA-D47
C509	.022 50V				M192P2239R8	QFT2-127	1FT-S22
C510	.01 50V			WMF1S1	EWFA1A110	QFT2-91	1FT-S10
C511	.039 50V				GP140		5GA-S40
C512	5		DTZ-4R7	NP04P7	CN0547		10TCC-V47
C602	.039 50V				GP140		5GA-S40
C604	.01 50V		UK50-103		MAG5011		
C605	.0047		DD-472	GP4700	GP247		5GA-D47
C606	.001 50V		DD-102G	GP1000	GP210	QC2-81	5GA-D10
C607	.001 50V		DD-102G	GP1000	GP210	QC2-81	5GA-D10
C608	.001 50V		DD-102G	GP1000	GP210	QC2-81	5GA-D10
C609	.001 50V		DD-102G	GP1000	GP210	QC2-81	5GA-D10
C701	.039 50V				M192P3939R8		192P3939R8
C702	.033 50V				M192P3339R8	QFT2-149	1FT-S33
C703	.01 50V			WMF1S1	EWFA1A110	QFT2-91	1FT-S10
C704	.0047 50V				M192P4729R8	QFT2-63	1FT-D47
C707	.0047 50V		DD-472	GP4700	GP247		5GA-D47
C709	.022 50V				M192P2239R8	QFT2-127	1FT-S22
C710	.01 50V			WMF1S1	EWFA1A110	QFT2-91	1FT-S10
C711	.01 50V			WMF1S1	EWFA1A110	QFT2-91	1FT-S10
C713	.033 50V			WMF1S68	M192P3339R8	QFT2-149	1FT-S33
C714	.068 50V 10%				EWFA1A168	QF1-195	1PB-S68
C715	.033 50V				M192P3339R8	QFT2-149	1FT-S33
C717	.033 50V				M192P3339R8	QFT2-149	1FT-S33
C718	.01 50V			WMF1S1	EWFA1A110	QFT2-91	1FT-S10
C720	68		DD-680	GP68	GP468		10TS-Q68
C722	.022 50V				M192P2239R8	QFT2-127	1FT-S22
C723	120	(1)	DTZ-120		CN0312		10TCC-T12
	100		DD-101	GP100	GP310		10TS-T10
C724	.15 50V			WMF05P15	EWFO5015		431P1549R5
C727	.01 50V			WMF1S1	EWFA1A110	QFT2-91	1FT-S10
C728	.001 50V		DD-102G	GP1000	GP210	QC2-81	5GA-D10
C729	.001 50V		DD-102G	GP1000	GP210	QC2-81	5GA-D10
C730	.001 50V		DD-102G	GP1000	GP210	QC2-81	5GA-D10
C731	.001 50V		DD-102G	GP1000	GP210	QC2-81	5GA-D10
C732	.001 50V		DD-102G	GP1000	GP210	QC2-81	5GA-D10
C733	.001 50V		DD-102G	GP1000	GP210	QC2-81	5GA-D10
C734	.001 50V		DD-102G	GP1000	GP210	QC2-81	5GA-D10
C735	.001 50V		DD-102G	GP1000	GP210	QC2-81	5GA-D10
C736	.001 50V		DD-102G	GP1000	GP210	QC2-81	5GA-D10
C737	.001 50V	(1)	DD-102G	GP1000	GP210	QC2-81	5GA-D10
C738	.001 50V		DD-102G	GP1000	GP210	QC2-81	5GA-D10
C740	.1		CK-104		MAG5001		
C741	.001 50V		DD-102G	GP1000	GP210	QC2-81	5GA-D10
C742	.001 50V		DD-102G	GP1000	GP210	QC2-81	5GA-D10
C743	.001 150V		DD-102G	GP1000	GP210	QC2-81	5GA-D10
C744	.001 150V		DD-102G	GP1000	GP210	QC2-81	5GA-D10
C745	.001 150V		DD-102G	GP1000	GP210	QC2-81	5GA-D10
C746	.001 150V		DD-102G	GP1000	GP210	QC2-81	5GA-D10
C749	.047 50V		UK50-503		MAG5015		
C750	.047 50V		UK50-503		MAG5015		
C751	.01 50V		UK50-103		MAG5011		
C802	27 NPO 5%				CN0427		10TCC-Q27
C803	150		DD-151		GP315		10TS-T15
C804	5		DTZ-4R7	NP04P7	CN0547		10TCC-V47
C805	3		DTZ-3R3	NP03P3	CN0533		10TCC-V33
C806	100 N220 5%				*		10TCR-T10
C807	.04				GP140		5GA-S40
C808	.47 50V			WMF05P47	EWFO5047	QFT2-287	1FT-P47
C810	10		DTZ-10	NP010	CN0410		10TCC-Q10
C811	18 N220 5%				*		10TCR-Q18
C812	220		DD-221		GP322		10TS-T22
C813	.01		UK50-103		MAG5011		
C816	7		DTZ-6R8	NP06P8	CN0568		10TCC-V68
C817	.04				GP140		5GA-S40
C818	15		DTZ-15	NP015	CN0415		10TCC-Q15
C819	.01		UK50-103		MAG5011		
C820	68		DD-680	GP68	GP468		10TS-Q68
C821	60						
C822	120 NPO 5%		DTZ-120		CN0312		10TCC-T12
C823	5		DTZ-4R7	NP04P7	CN0547		10TCC-V47
C824	.01		UK50-103		MAG5011		
C825	.04				GP140		5GA-S40
C826	82 N220 5%				*		10TCR-Q82
C827	.04				GP140		5GA-S40
C828	68	(1)	DD-680	GP68	GP468		10TS-Q68
	100		DD-101	GP100	GP310	QC2-81	5GA-D10
	100		DD-102G	GP1000	GP210		5GA-S40
C829	.001				GP140		10TS-T10
C830	.04	(1)			GP310		10TS-Q68
	100		DD-101	GP100	GP468		10TS-Q68
	68		DD-680	GP68	GP468		10TS-Q68
C832	68		DD-680	GP68	*		10TCR-Q82
C834	82 N220 5%				CN0418		10TCC-Q18
C835	17				GP210	QC2-81	5GA-D10
C836	.001		DD-102G	GP1000	GP140		5GA-S40
C837	.04						10TCR-T15
C838	150 N220 5%				CN0547		10TCC-V47
C839	5		DTZ-4R7	NP04P7	*		10TCR-T15
C840	150 N220 5%				CN0533		10TCC-V33
C841	3		DTZ-3R3	NP03P3	*		10TCR-Q50
C842	50 N220 5%				GP140		5GA-S40
C843	.04				CN0420		10TCC-Q20
C844	20 NPO 5%	(1)	DTZ-20	NP020	CN0425		10TCC-Q25
	25		DTZ-25	NP025	GP322		10TS-T22
C845	220 5%		DD-221				

GENERAL ELECTRIC MODEL 3-5871B

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	GENERAL LINE
C846	10		DTZ-10	NP010	CN0410		10TCC-Q10
C847	50 NPO 5%		DTZ-50	NP050	CN0450		10TCC-Q50
C848	68		DD-680	GP68	GP468		10TS-Q68
C849	.01		UK50-103		MAG5011		
C850	25 NPO 5%		DTZ-25	NP025	CN0425		10TCC-Q25
C851	.01		UK50-103		MAG5011		
C852	10		DTZ-10	NP010	CN0410		10TCC-Q10
C853	35		DTZ-33	NP033	CN0433		10TCC-Q33
C901	500 50V 5%			CD15FD511J03	SX351	QW1-43	MMA-511
C903	.039 50V				GP140		5GA-S40
C904	.022 50V		UK25-223		*		HY-725
C905	47 50V N220 5%	RT3281	UK25-223		*		10TCR-Q47
C906	.022 50V				GP222		HY-725
C907	.0022 50V				*		10TS-D22
C908	82 50V N220 5%	EA18X234			*		10TCR-Q82
C909	150 50V N220 5%	EA18X217			*		10TCR-T15
C910	30 50V			CD15ED300J03	SX430	QW1-14	MMA-300
C911	.04				GP140		5GA-S40
C912	.0022 50V				GP222		10TS-D22
C913	390 50V 5%			CD15FD391J03	SX339	QW1-41	MMA-391
C914	.01 50V		UK50-103		MAG5011		
C915	300 50V		DD-301	GP300	GP330		10TS-T30
C916	150 50V N220 10%	EA18X217			*		10TCR-T15
C917	.039 50V				GP140		5GA-S40
C918	.01 50V		UK50-103		MAG5011		
C919	.01 50V		UK50-103		MAG5011		
C920	.0047 50V		DD-472	GP4700	GP247		5GA-D47
C921	.0047 50V		DD-472	GP4700	GP247		5GA-D47
	.01	(1)					
C922	.01		UK50-103		MAG5011		
C923	.039				GP140		5GA-S40
C924	.039 50V				GP140		5GA-S40

(1) Used in some versions.

* 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				
			MFG. PART No.	CENTRALAB PART No.	CLAROSTAT PART No.	MALLORY PART No.	TRW PART No.
VR1	Volume/Power Switch	10K	EA49X379 5J141110 (5)	F2-10K, (1) SSK012, KR1	A47-10K-Z, (1) KSS-3, SWE-12	RU14A, SL36, SL1500, US41	BU1, (1) CF61, SS1, GC
VR2	Squelch	10K	EA49X377 (18)				
VR3	Tone	100K					
VR4	RF Gain	50K	EA49X420 (19)				
VR5	MIC Power	10K					
VR6	RF Gain Range	10K	EA49X378				U260R103B
VR7	AGC	100K	EA49X325				U260R104B
VR8	Squelch Range	20K	EA49X421				U260R203B
VR9	RX Signal	10K	EA49X378				U260R103B
VR10	Xmit Power	50K	EA49X313				U260R503B
VR11	AMC	10K	EA49X378				U260R103B
VR12	Voltage	300	EA49X381	T-300 (3)		MTC32L1 (3)	X201R351B (3)

(1) Enlarge mounting hole.

(3) For horizontal mounting, bend the two outside terminals to fit PC board. Use jumper to connect center terminal to PC board.

(5) Number on unit.

(18) Includes VR2 and VR3.

(19) Includes VR4 and VR5.

RESISTORS (Power and Special)

ITEM No.	RATING	REPLACEMENT DATA		ITEM No.	RATING	REPLACEMENT DATA	
		WORKMAN PART No.	MFG. PART No.			WORKMAN PART No.	MFG. PART No.
IR501	Resistor Network		EA42X1	TH301	650 Co1d NTC		EA16X121

PARTS LIST AND DESCRIPTION (CONTINUED)

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

COILS (RF-IF)

ITEM No.	FUNCTION	REPLACEMENT DATA			REMARKS
		PART No.	OTHER IDENTIFICATION	MILLER PART No.	
F901	TVI Trap (54MHz)	EA36X306			
L101	Rec Antenna (27MHz)	EA36X201			
L102	RF Amp (27MHz)	EA36X308			
L103	RF Amp (27MHz)	EA36X309			
L701	RF Choke	EA36X319			
L702	RF Choke	EA36X319			
L703	RF Choke	EA36X319			
L704	RF Choke	EA36X319			
L705	RF Choke	EA36X319			
L706	RF Choke	EA36X319			
L707	RF Choke	EA36X319			
L708	RF Choke	EA36X319			
L709	RF Choke	EA36X319			
L801	RF Choke	EA36X372			
L802	RF Choke				
L901	Buffer Amp (27MHz)	EA36X206			
L902	RF Choke	EA36X207			
L903	Driver Amp (27MHz)	EA36X310			
L904	RF Choke	EA36X320			
L905	Antenna Match (27MHz)	EA36X350			
L906	RF Choke	EA36X311			
L907	RF Choke	EA36X321			
T301	Mixer (10MHz)	EA61X202			
T302	Mixer (10MHz)	EA61X203			
T303	IF (455kHz)	EA56X55			
T304	IF (455kHz)	EA56X51			
T801	PLL				
T802	VCO (37MHz)				
T803	Amp (37MHz)				
T804	Mixer				
T805	Amp				
T806	Amp				
T807	Amp				

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.	
T702	1.3A	.288	1.13mH	EA36X204 R810 (1)	TR574		(1) Number on unit.

TRANSFORMER (Audio Output)

ITEM No.	IMPEDANCE		REPLACEMENT DATA			NOTES
	PRI.	SEC.	MFGR. PART No.	THORDARSON PART No.	TRIAD PART No.	
T701	3.92	1 8 2 23.12	EAG4X34 4R811 (1)			(1) Number on unit.

TRANSFORMER (Power)

ITEM No.	RATING		REPLACEMENT DATA			NOTES
	PRI.	SEC. 1	MFGR. PART No.	THORDARSON PART No.	TRIAD PART No.	
# T703	120V AC @ .320A AC	14.10V AC @ 2.52A DC	EA88X165 4-251R816(1)			# For SAFETY use only equivalent replacement part.

SPEAKER

ITEM No.	TYPE	REPLACEMENT DATA		NOTES
		MFGR. PART No.	QUAM PART No.	
SP	3" PM 8 Ohms	EA95X124 R811S8648(1)	30A05Z8R	(1) Number on unit.

GENERAL ELECTRIC MODEL 3-5871B

PARTS LIST AND DESCRIPTION (CONTINUED)

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

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	Fast Acting (2 Amp)	EA68X64		AGC2	HDJ	312002	150145	FG2-2

MICROPHONE

ITEM No.	REPLACEMENT DATA				CONNECTION DATA						
	MFG. 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	EA68X63(1) EA68X123(2)	18-032	18-034	18-010	18-105	4	1	3	5	NC	1

(1) 500 Ohms, D1n Type.

(2) 500 Ohms, Screw Type.

MISCELLANEOUS

ITEM No.	PART NAME	PART No.	NOTES
F301	Filter	EA36X371	455MHz
J1	Socket	EA41X196	Antenna
J2	Socket	EA41X131	PA
J3	Socket	EA41X131	External Speaker
J4	Socket	EA41X197	MIC
J5	Socket	EA41X198	Headphone
J6	Socket	EA41X199	DC Power
J7	Socket	EA41X200	AC Power
PL1	Lamp	EA41X73	Meter (13.73VC @ 80mA)
PL2	Lamp	RV1153	Mod Ind (5.25V @ 21mA)
PL3	Lamp	EA6X30	XMT Ind (13.00V @ 44mA)
P1	Jack	EA8X193	5 Pin Nylon
P2	Jack	EA8X194	6 Pin Nylon
RX	Meter	EA62X160	Xmit
SW1	Switch	EA39X242	ANL
SW2	Switch	EA55X146	Channel Selector
SW3	Switch	EA55X147	Delta Tune
SW4	Switch	EA39X274	CB-PA
SW5	Switch		On/Off (Part of Volume Control)
X1	Crystal		10.240MHz
X2	Crystal		10.750MHz
X3	Crystal		9.785MHz
#	Cord	EA66X43	AC Power
#	Cover	EA2X916	Jack AC Power
#	Printed Circuit Board	EA16X304	Channel Selector & LED
#	Printed Circuit Board	EA93X337	Power Supply
	Connector	RT2988	Amp
	Display	EA16X304	Digital

For SAFETY use only equivalent replacement part.

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

ITEM	PART No.	ITEM	PART No.
Cabinet, Bottom	EA98X588	Knob, Channel Selector	EA43X694
Cabinet, Top	EA98X587	Knob, Volume	EA43X813
Panel Assembly, Front	EA98X586	Knob, Squelch/Rf Gain	EA43X814
Panel, Right Side	EA9X287	Knob, Tone/Mike Power	EA43X815
Panel, Left Side	EA9X288		

WIRING DATA

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