

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 3-5871A

MANUFACTURER'S SPECIFICATIONS

SERVICE SPECIFICATIONS	
RECEIVER	TRANSMITTER
Sensitivity: Better than 0.5uv for 500mw audio output Frequency Coverage: 26.965 to 27.405 MHz Adjacent Channel Selectivity: Better than 40db Audio Output Power (power to speaker): @ 10% DIST. better than 2.2 watts Spurious Rejection: Better than 40db IF Frequencies: 455kHz, 10.695MHz Squelch Range (Sensitivity): 0.5 to 5,000uv Image Rejection Ratio: Better than 40db	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.

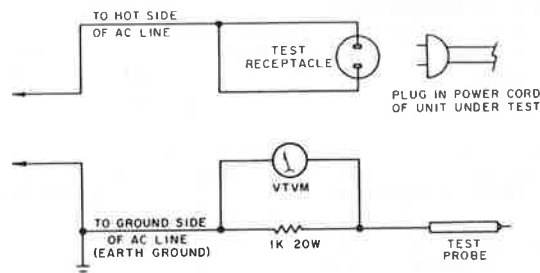
GENERAL ELECTRIC MODEL 3-5871A

SAFETY PRECAUTIONS

PERFORM THE FOLLOWING SAFETY CHECKS AFTER SERVICING THIS UNIT:

1. Remove all externally connected test equipment and wires before safety testing this unit.
2. Use RT6440 Safety Test Box or construct circuit as shown.
3. Plug power cord of unit to be tested into Test Receptacle.
4. Switch unit being tested to ON position.
5. Connect VTVM across 1K resistor in test circuit. Set meter on high (150V AC) scale to avoid meter damage and touch the following points with Test Probe.
 - a) Earphone Jack
 - b) Metal cabinet bottom plate

If meter reading indicates less than 3 volts on all test points, set meter to low (3V AC) scale and repeat test.



6. Any reading greater than two tenths (.2) volt indicates a potential shock hazard. If this occurs, determine the cause of the leakage, correct the problem, and repeat safety test.

Courtesy of the Manufacturer

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

© 1977 Howard W. Sams & Co., Inc.

Printed in U. S. of America 7CE652

ALIGNMENT INSTRUCTIONS

CAUTION: Use an 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.
Suggested Alignment Tools: GC Electronics:
T301 thru T304, T801 thru T807.....5009
L101, L102, L901, L903, F901.....9440
L905.....9304
CT801.....5000

SYNTHESIZER ALIGNMENT

TEST EQUIPMENT	TRANSCEIVER	ADJUST	REMARKS
Input of frequency counter and RF VTVM to 10M(A) (Secondary of T801).	Ch. 19	T801	Adjust for maximum RF voltage. Check for 10.240MHz.
Input of frequency counter thru 47pF capacitor to TP3 (Emitter of Q808).	Ch. 19, Delta Tune 0	CT801	Adjust for 11.750MHz.
Input of RF VTVM to 37M(B) (Secondary of T803).	Ch. 19, Delta Tune 0	T802, T803	Adjust for maximum RF voltage.
Input of frequency counter to 37M(B) (Secondary of T803).	Ch. 1 Delta Tune 0		Check for 36.750MHz. Repeat for all channels. (Channel frequency + 9.785MHz = frequency on counter).
Input of RF VTVM to 27M(C) (Secondary of T807).	Ch. 19, XMT	T804, T805, T806, T807	Adjust for maximum RF voltage.
Input of frequency counter to 27M(C) (Secondary of T807).	Ch. 1, XMT		Check for 26.965MHz. Repeat for 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 (base of Q301). 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, 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	TRANSCIVER	ADJUST	REMARKS
Input of DC meter to TP1. No signal input.	Ch. 19, Delta Tune 0 RF Gain Max Squelch Min ANL Off	VR1	AGC Adjust VR1 for 1.45+ 0.1 volts.
Output of signal generator thru .01uF to antenna jack. 27.185MHz, 1000Hz @ 30% modulation. Output 50,000uV.	Ch. 19, Delta Tune 0 RF Gain Min Squelch Min ANL Off	VR10	RF GAIN Output VR10 for maximum 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	VR3	SQUELCH RANGE Set Squelch Control VR2 fully clockwise. Adjust VR3 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	VR4	S METER Adjust VR4 for 9 on S scale of meter.

TRANSMITTER ALIGNMENT

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

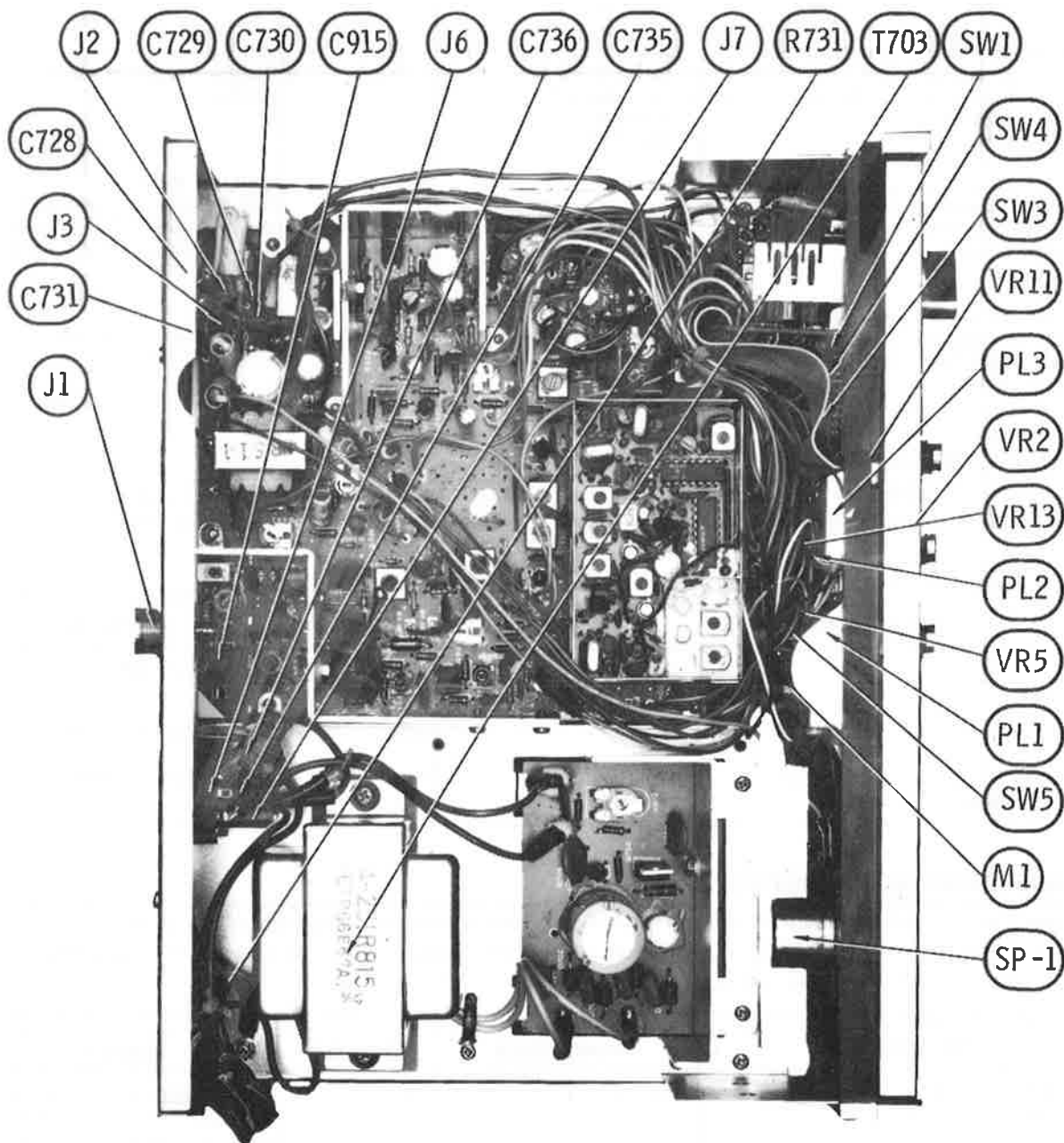
TEST EQUIPMENT	TRANSCIVER	ADJUST	REMARKS
Tunable field strength meter set at 54MHz.	Ch. 19	L901, L903, L905	Adjust for maximum.
	Ch. 19	L905	Adjust for 3.7 watts.
	Ch. 19	F901	Adjust for MINIMUM signal.

TRANSMITTER ADJUSTMENTS

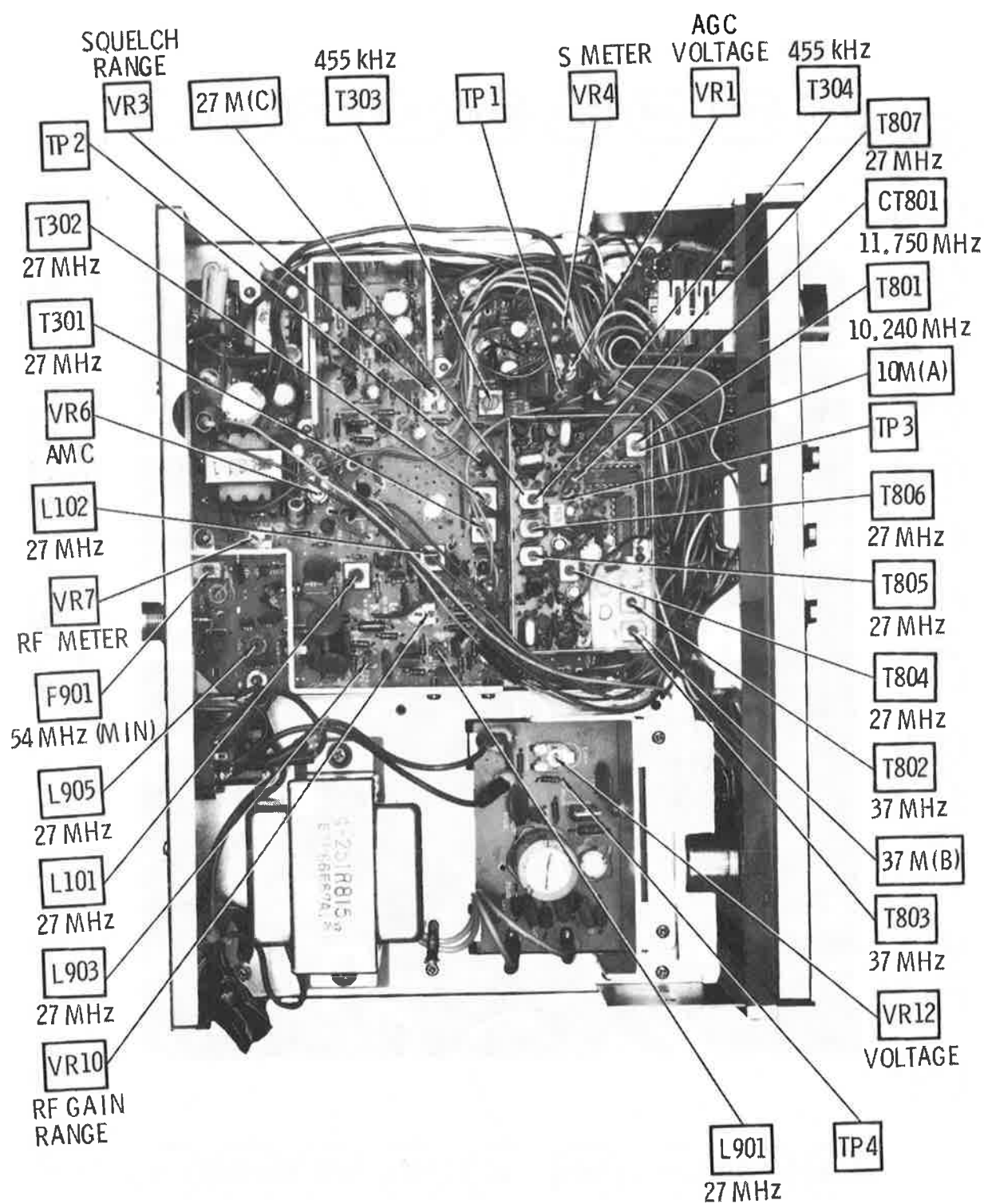
Connect an RF wattmeter and 50-ohm, 25-watt dummy load to antenna connector at all times.
NOTE: Check transmit frequency and power on all active channels after adjustment of transmitter.
See page 4 for channel frequencies.

TEST EQUIPMENT	TRANSCIVER	ADJUST	REMARKS
DC meter to TP4 (Emitter of Q703).	Ch. 19	VR12	Adjust VR12 for 13.8V DC. Voltages should not vary when transmitter keyed.
Modulation meter to antenna jack. Inject a 1000Hz, 300 millivolt signal to MIC input.	Ch. 19	VR6	AMC Adjust for 95-98% modulation.
Connect an RF wattmeter and 50 ohm, 25 watt, dummy load to antenna connector.	Ch. 19	VR7	RF PANEL METER Adjust VR7 so RF Panel Meter agrees with RF Wattmeter.

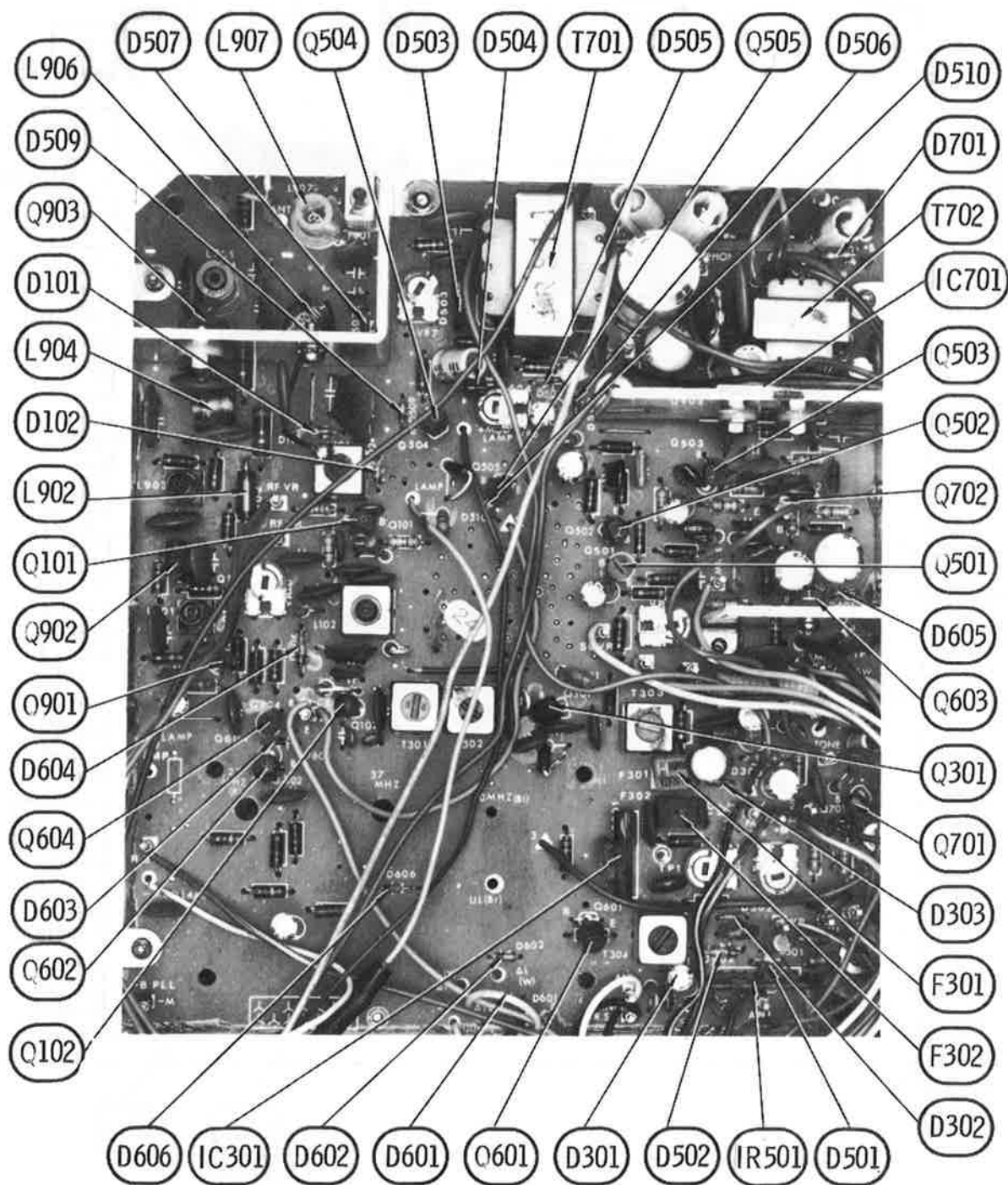
GENERAL ELECTRIC MODEL 3-5871A



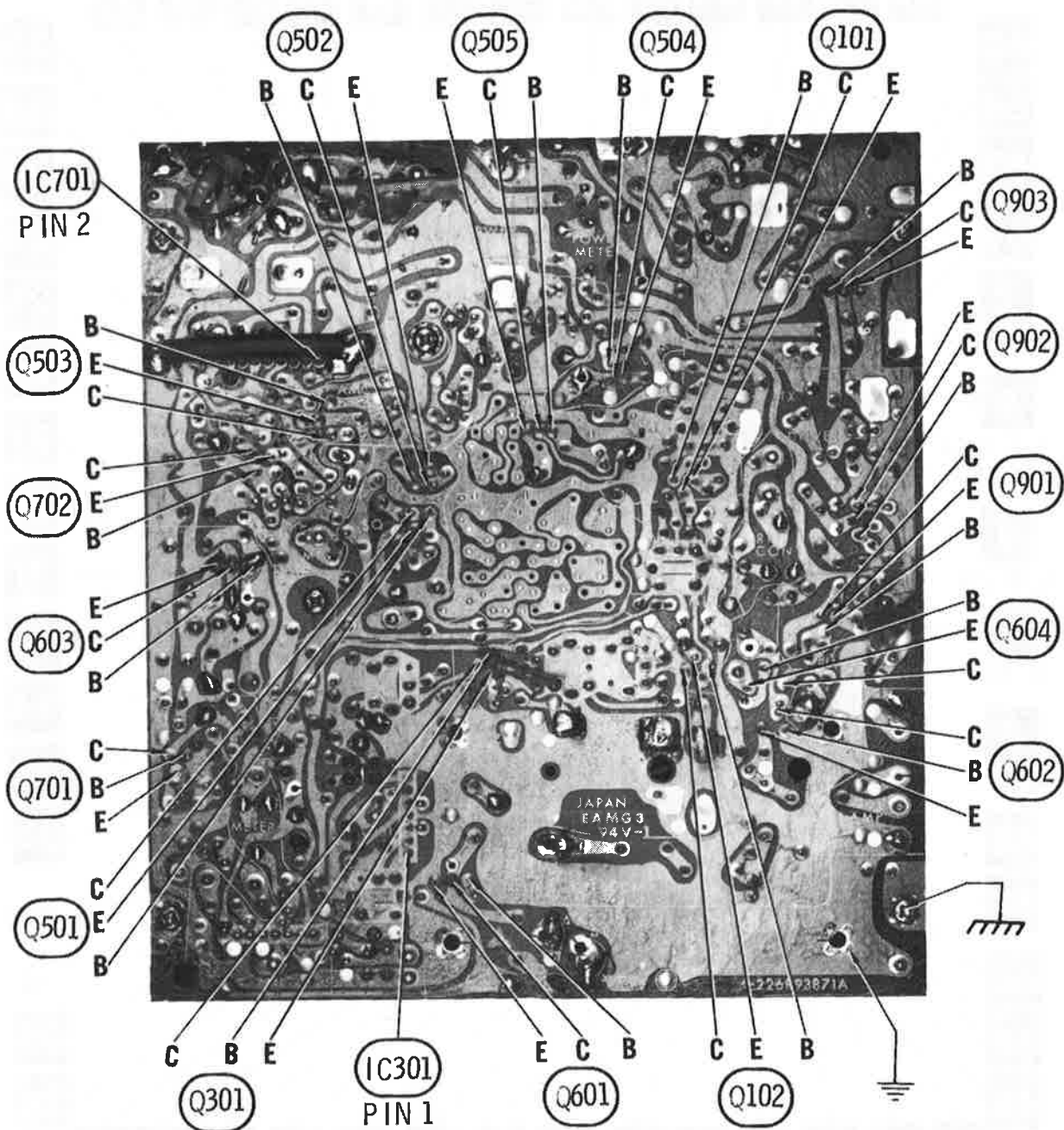
CHASSIS-TOP



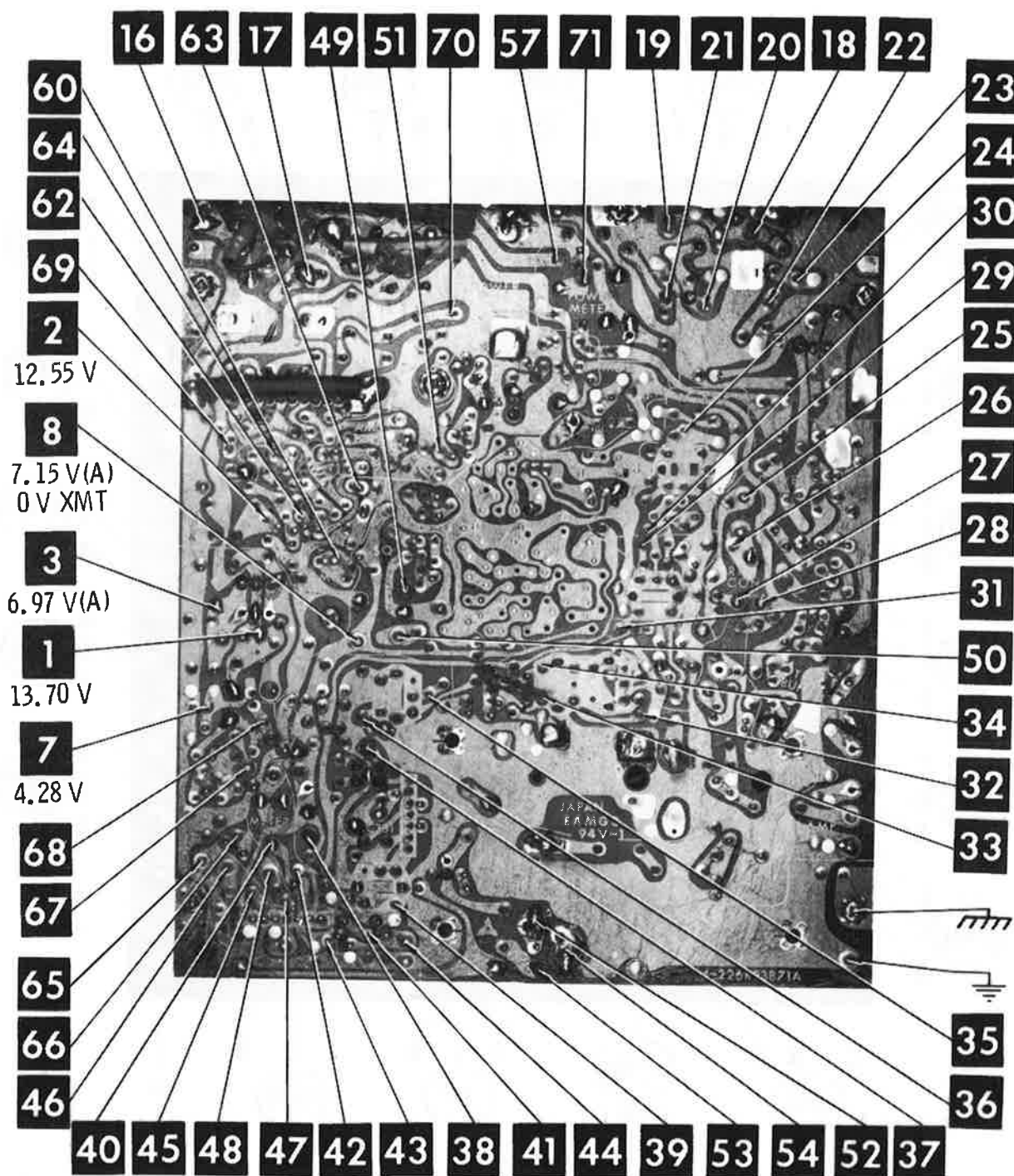
CHASSIS-TOP



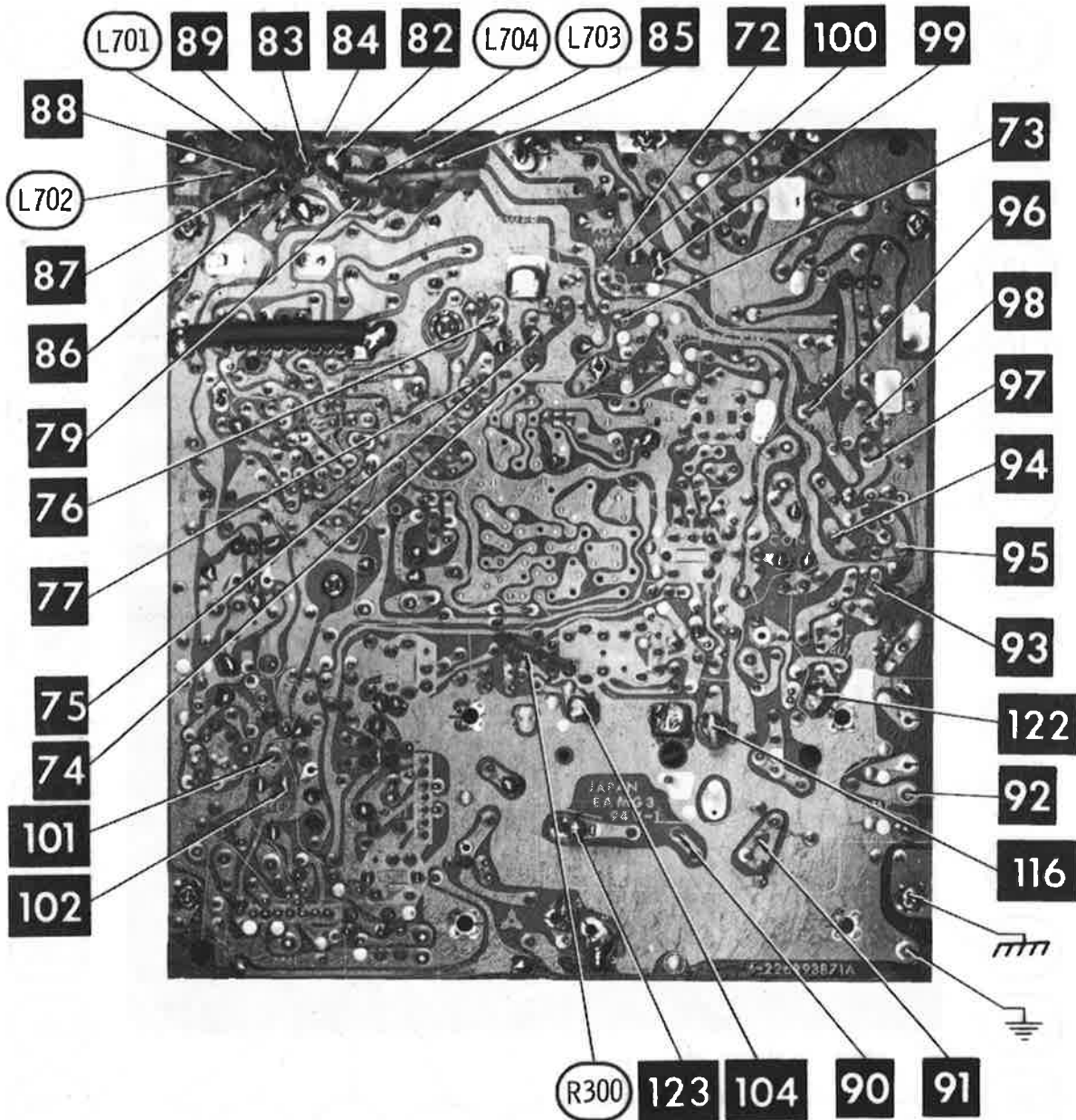
MAIN BOARD



MAIN BOARD

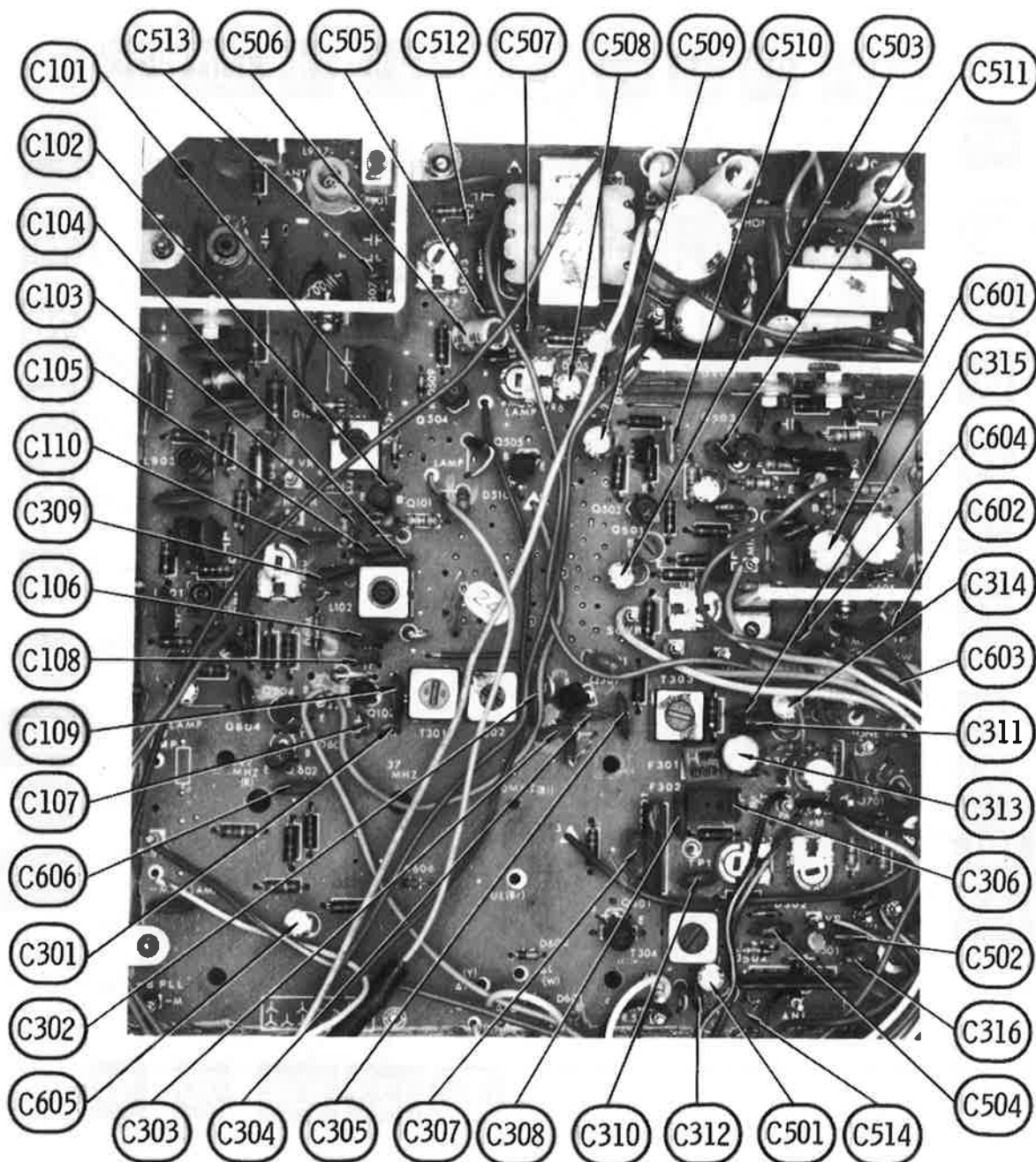


MAIN BOARD

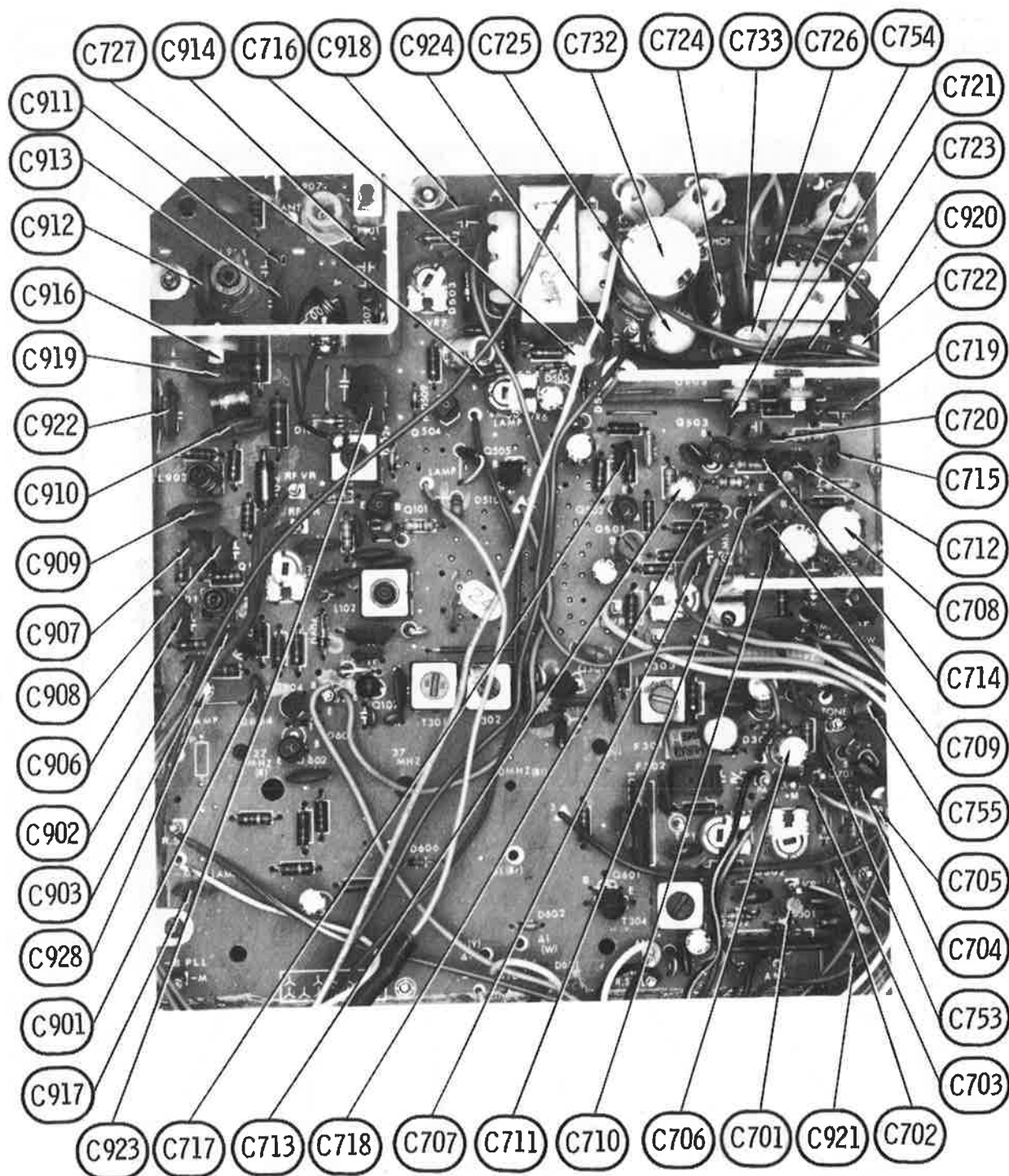


GENERAL ELECTRIC MODEL 3-5871A

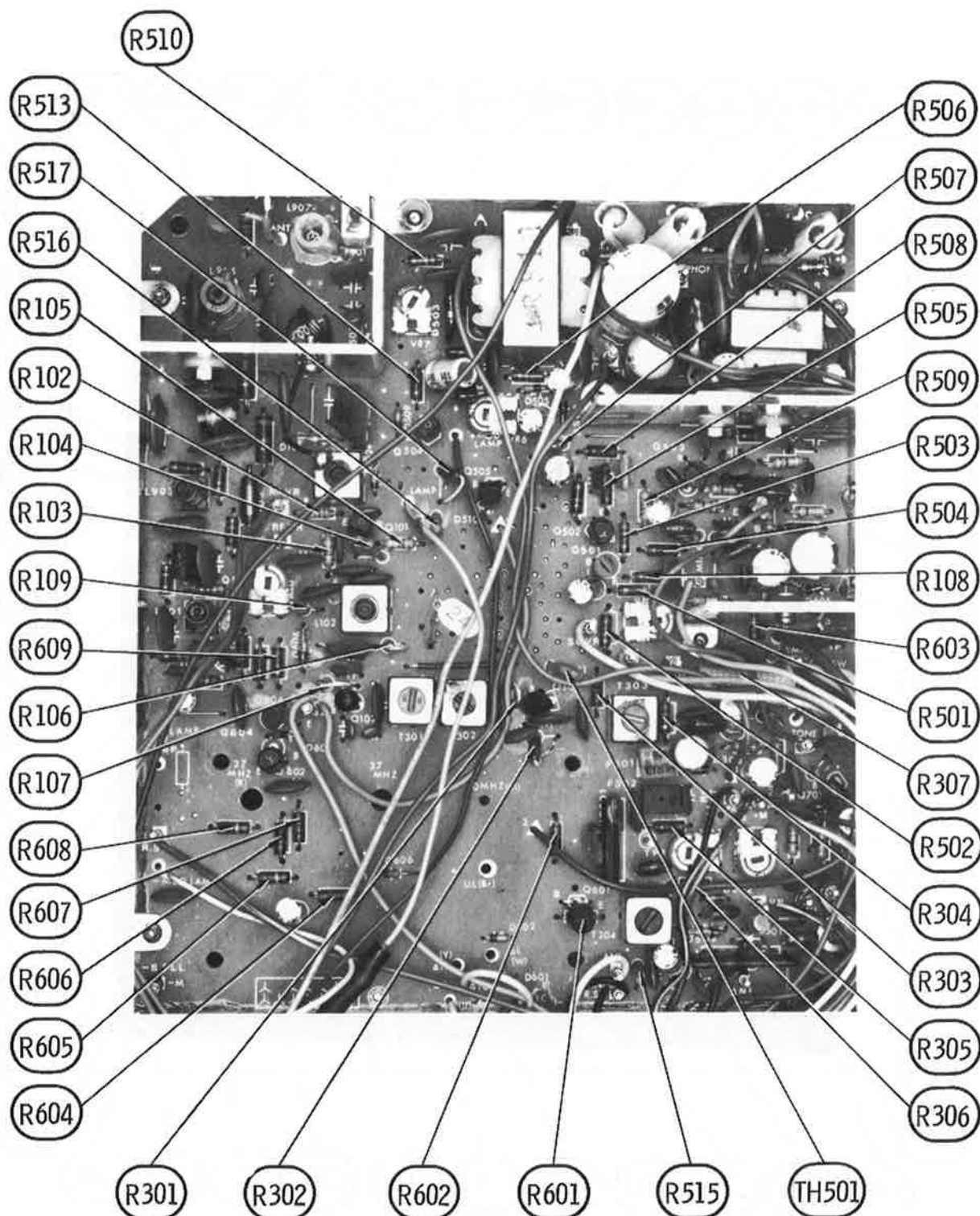
MAIN BOARD



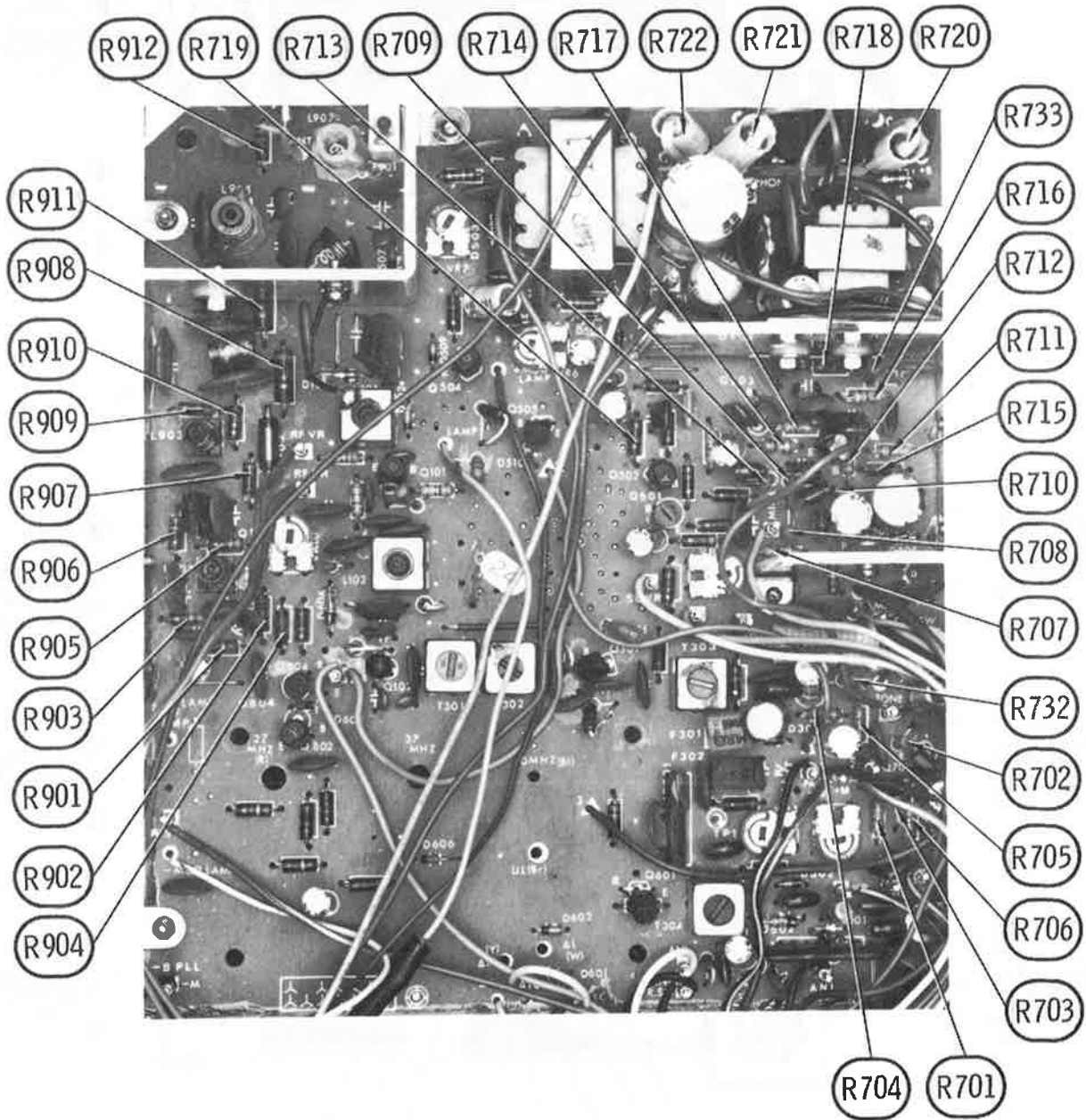
MAIN BOARD



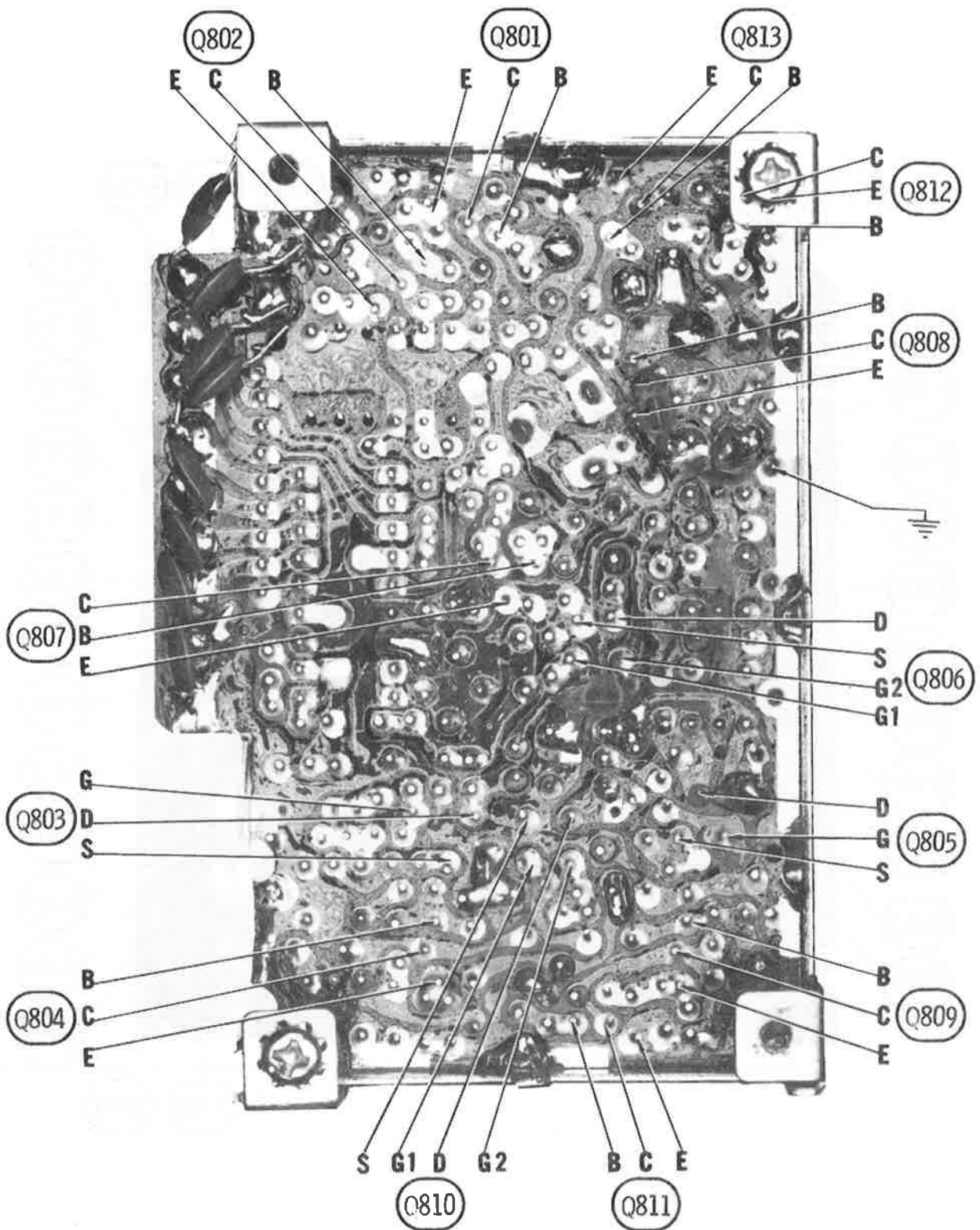
MAIN BOARD



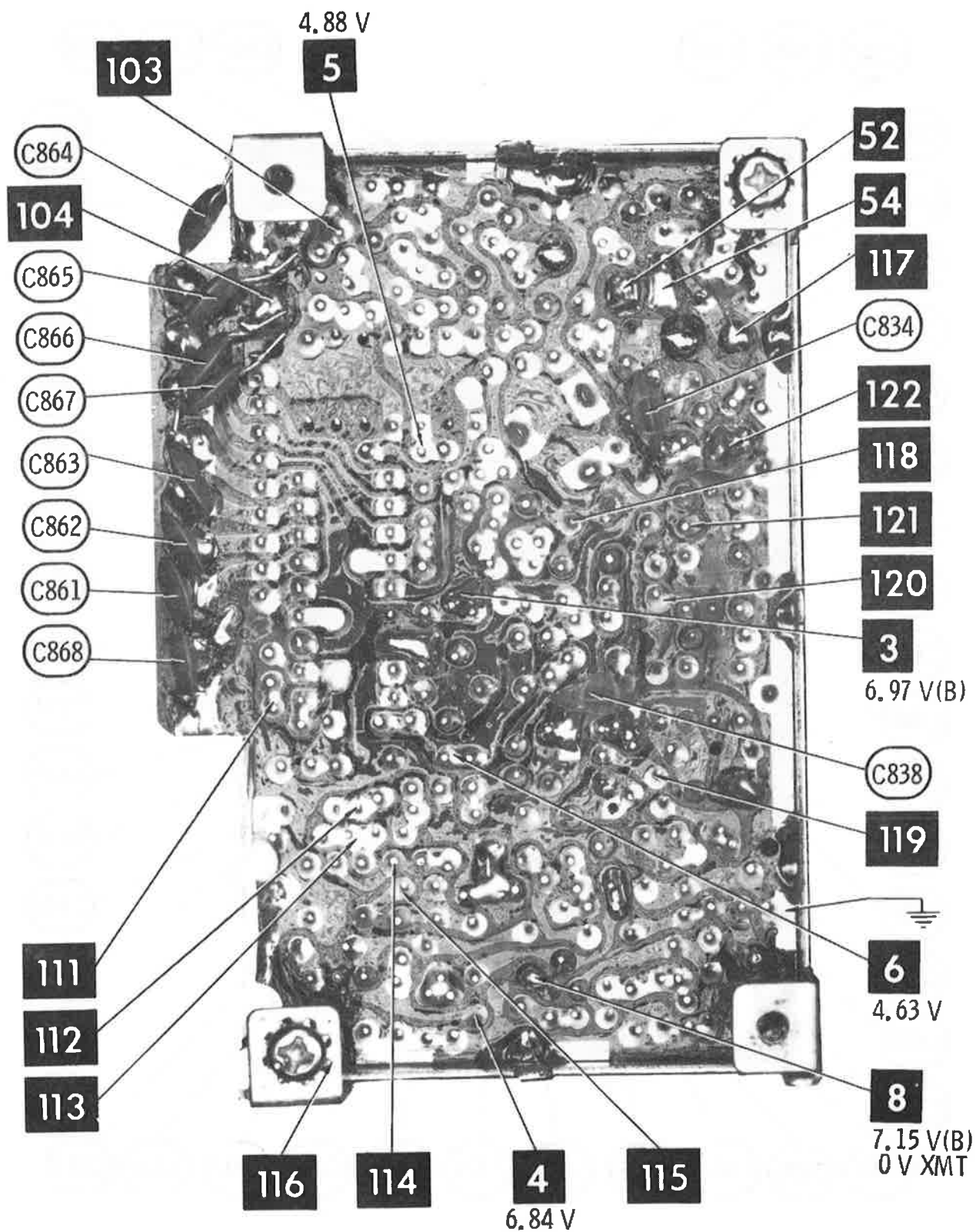
MAIN BOARD



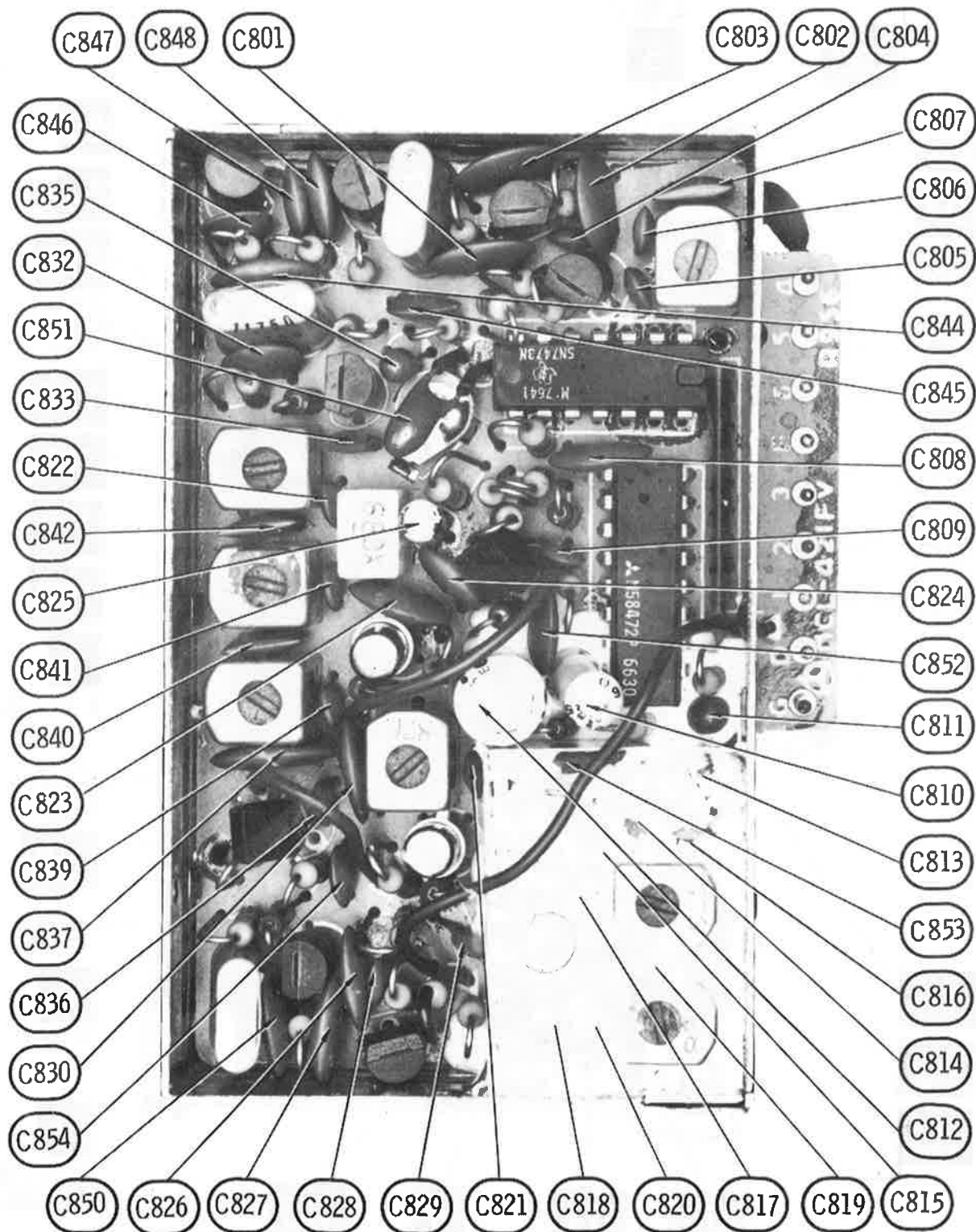
MAIN BOARD



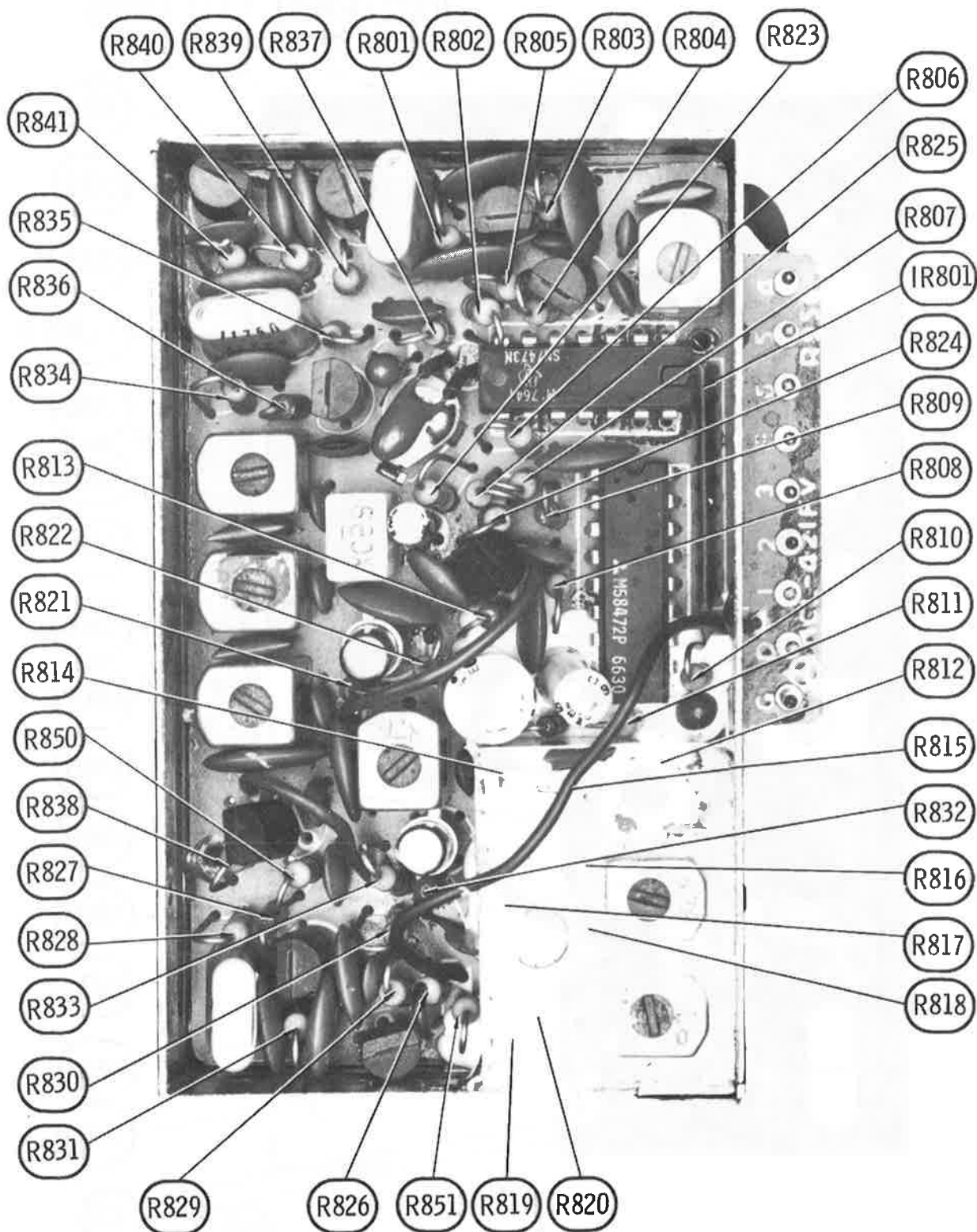
PLL BOARD



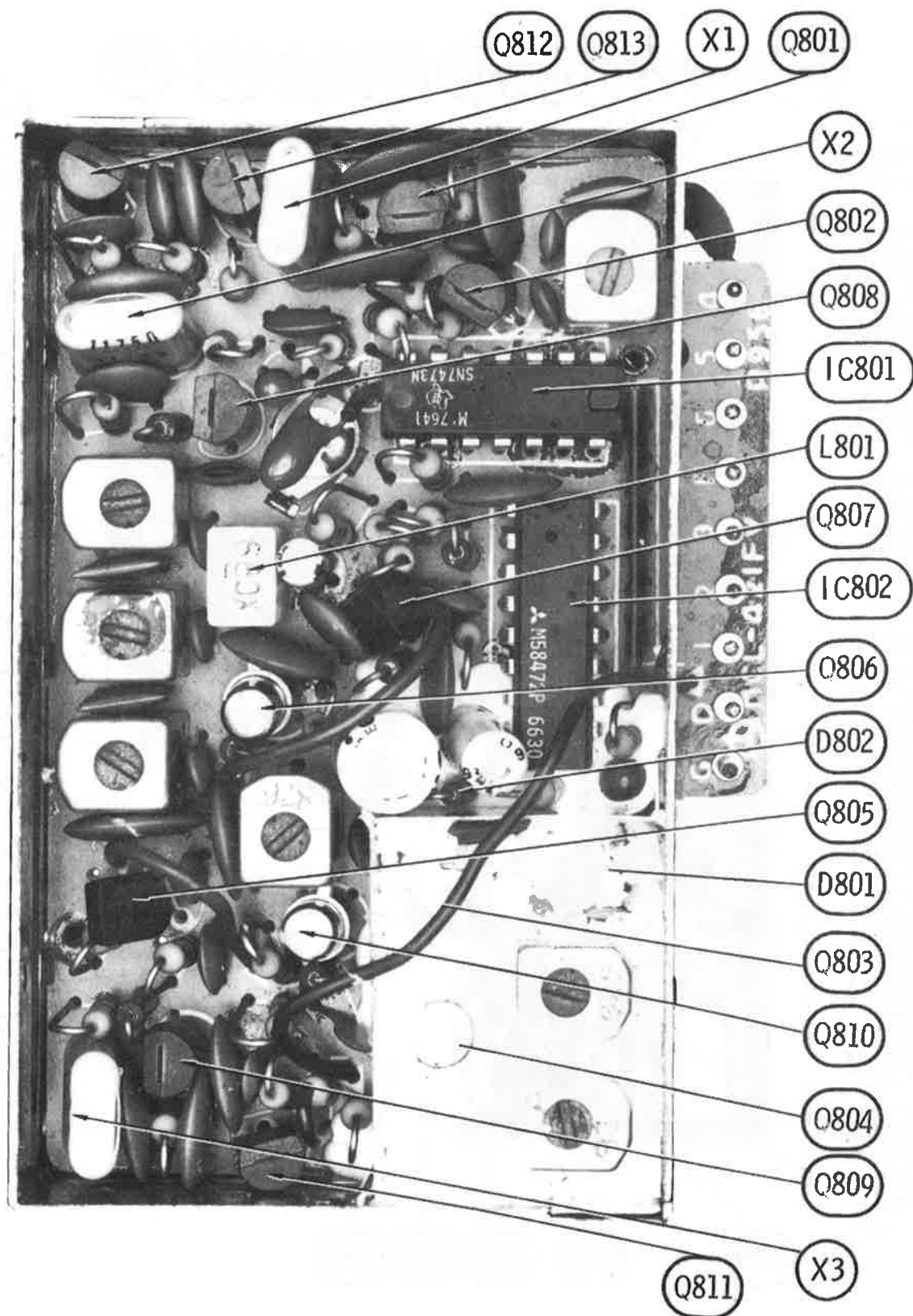
PLL BOARD



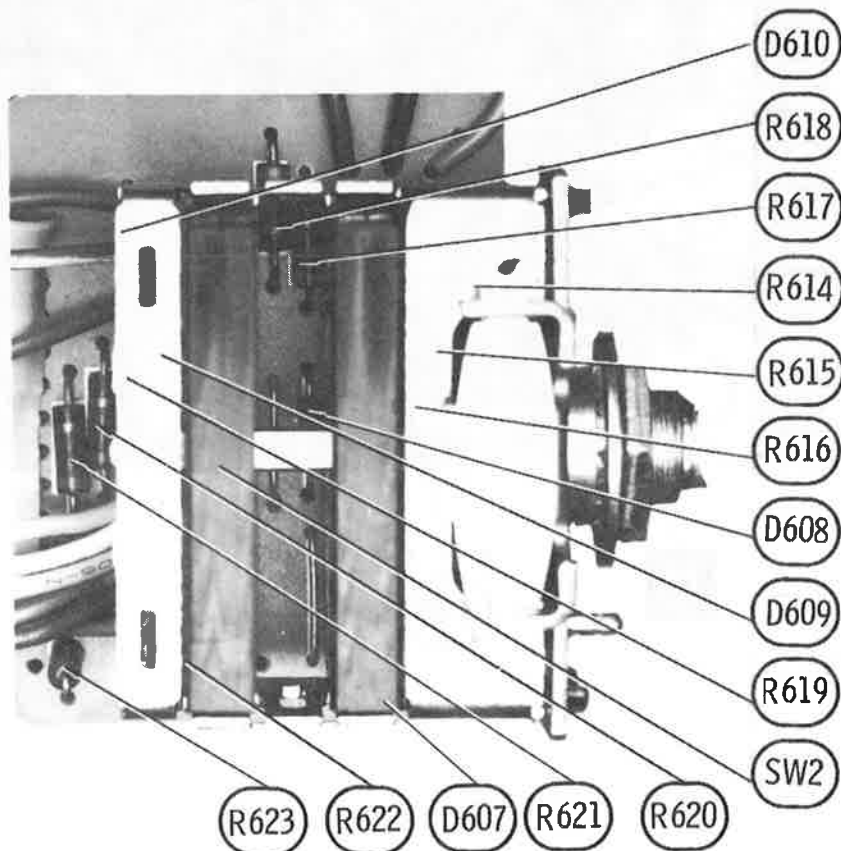
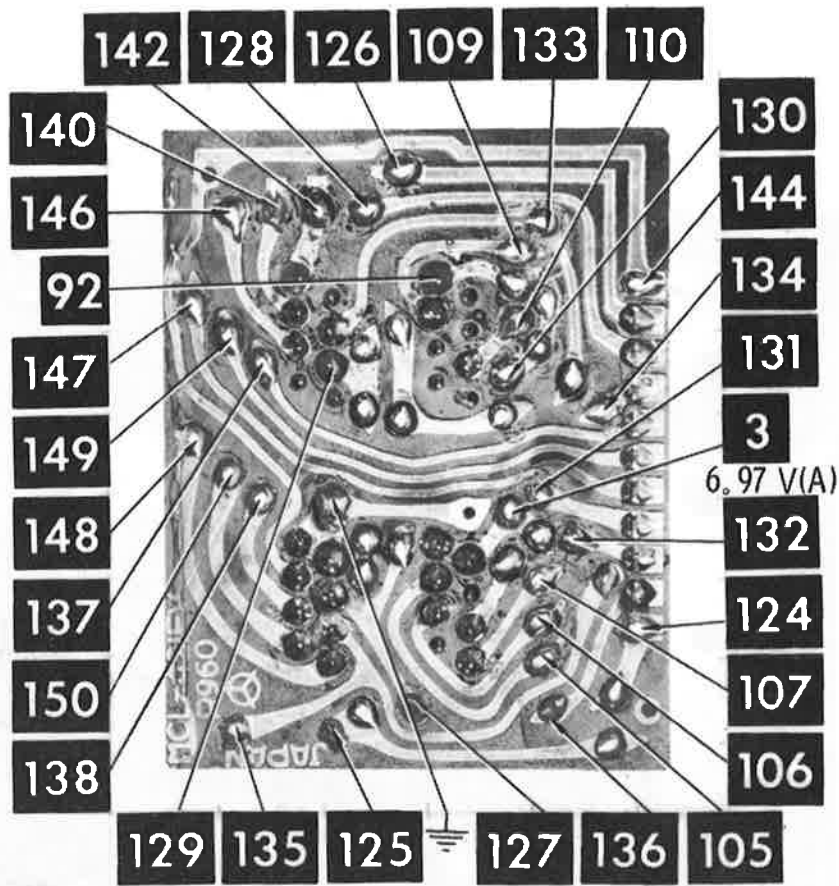
PLL BOARD



PLL BOARD

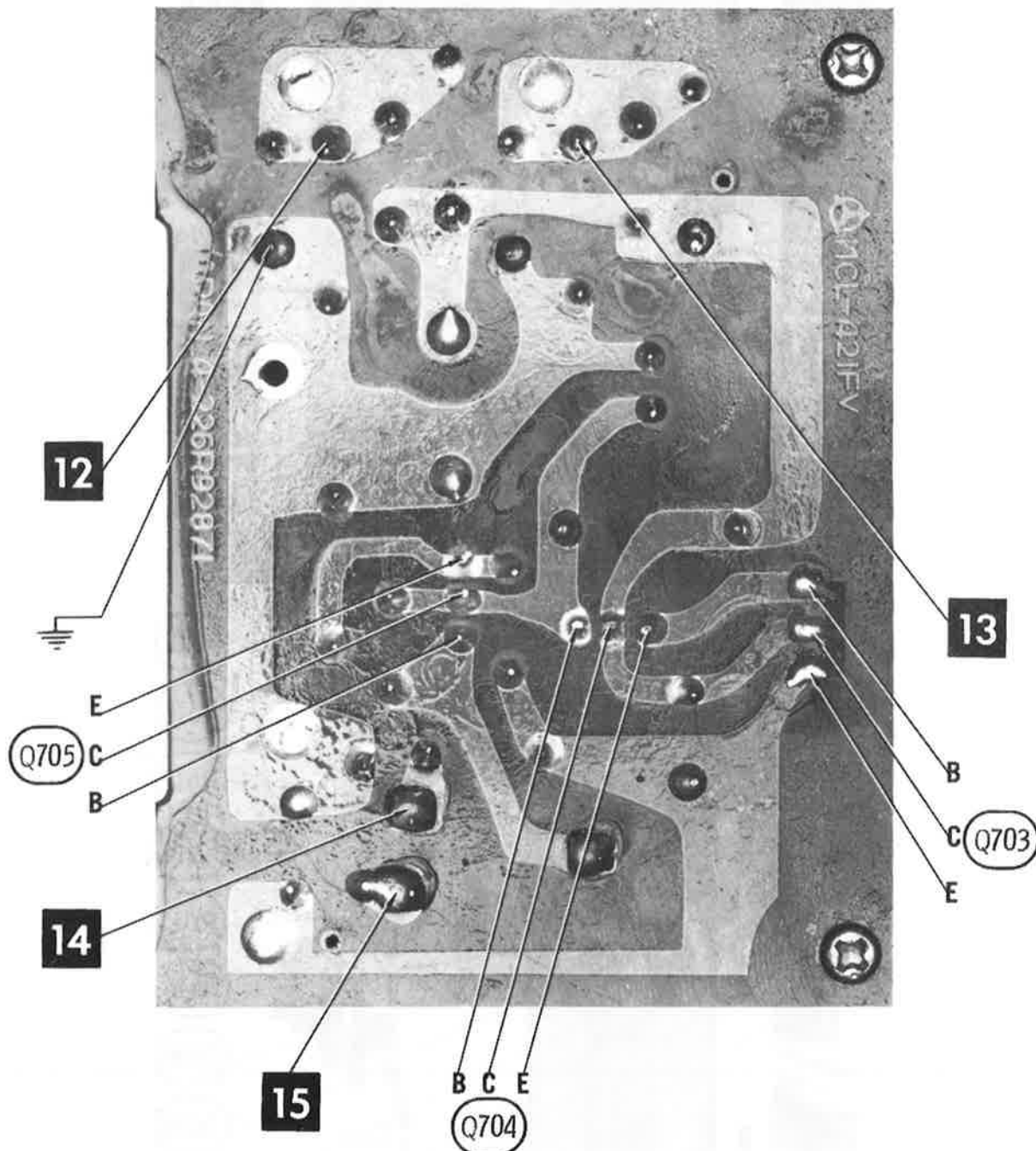


PLL BOARD

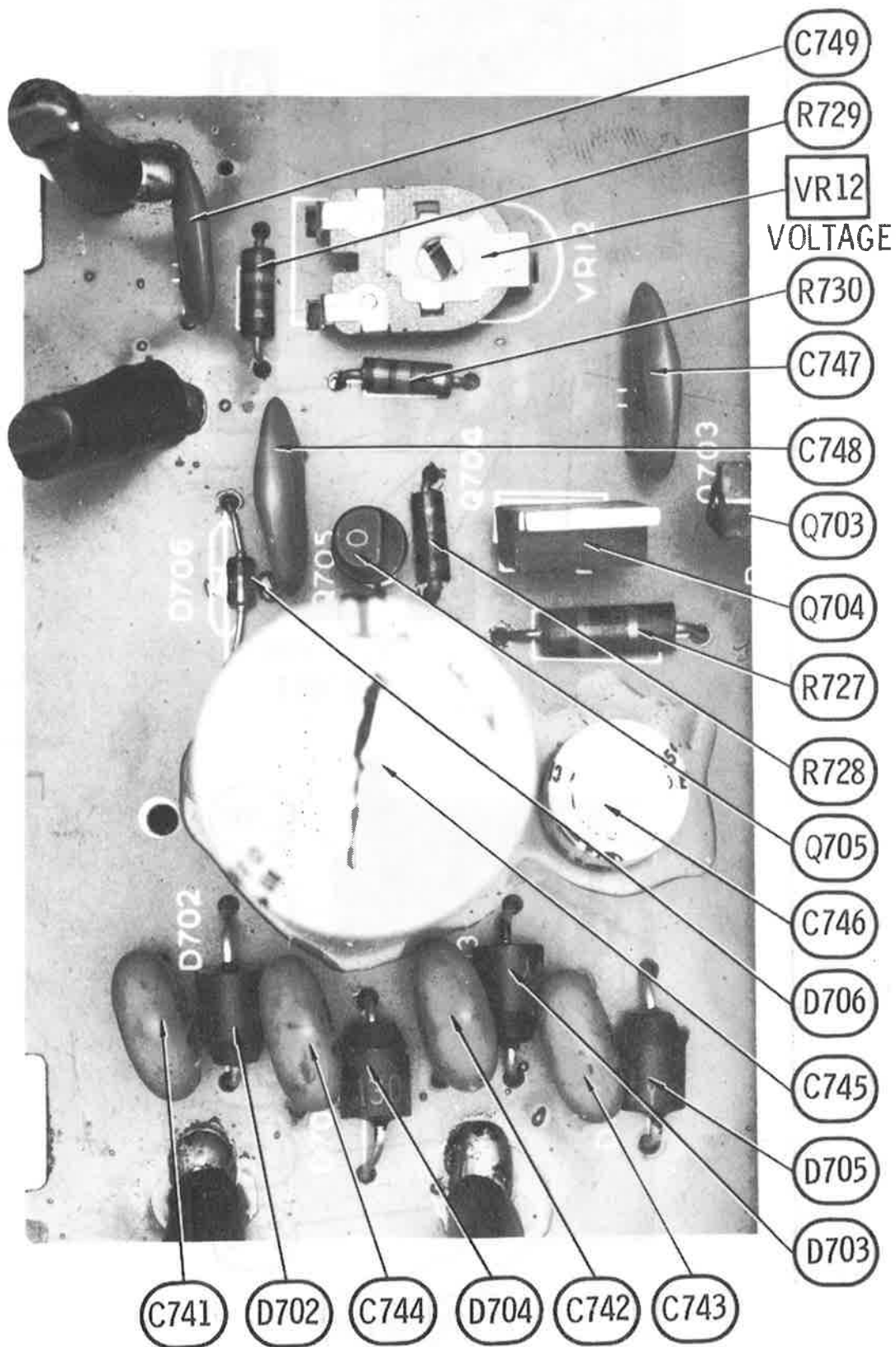


SWITCH BOARD

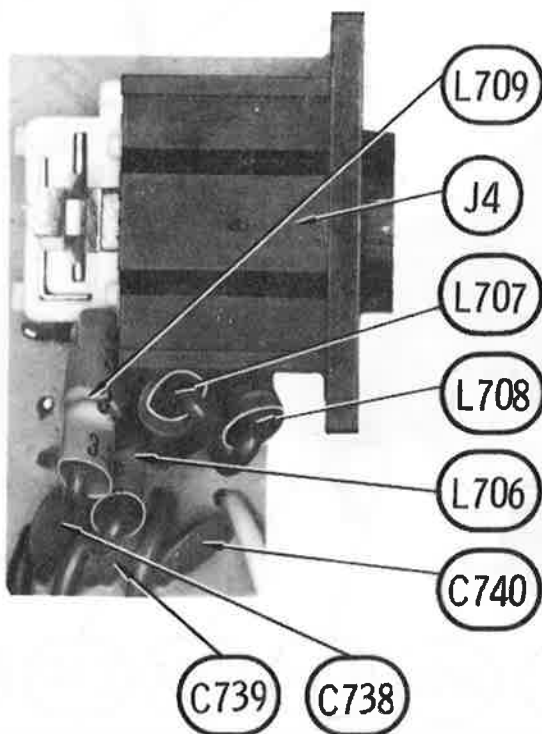
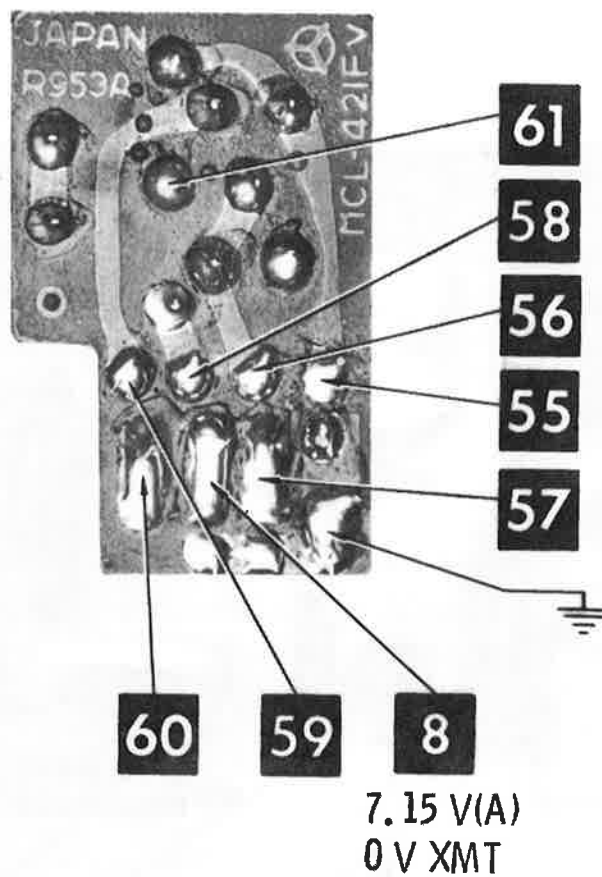
GENERAL ELECTRIC MODEL 3-5871A



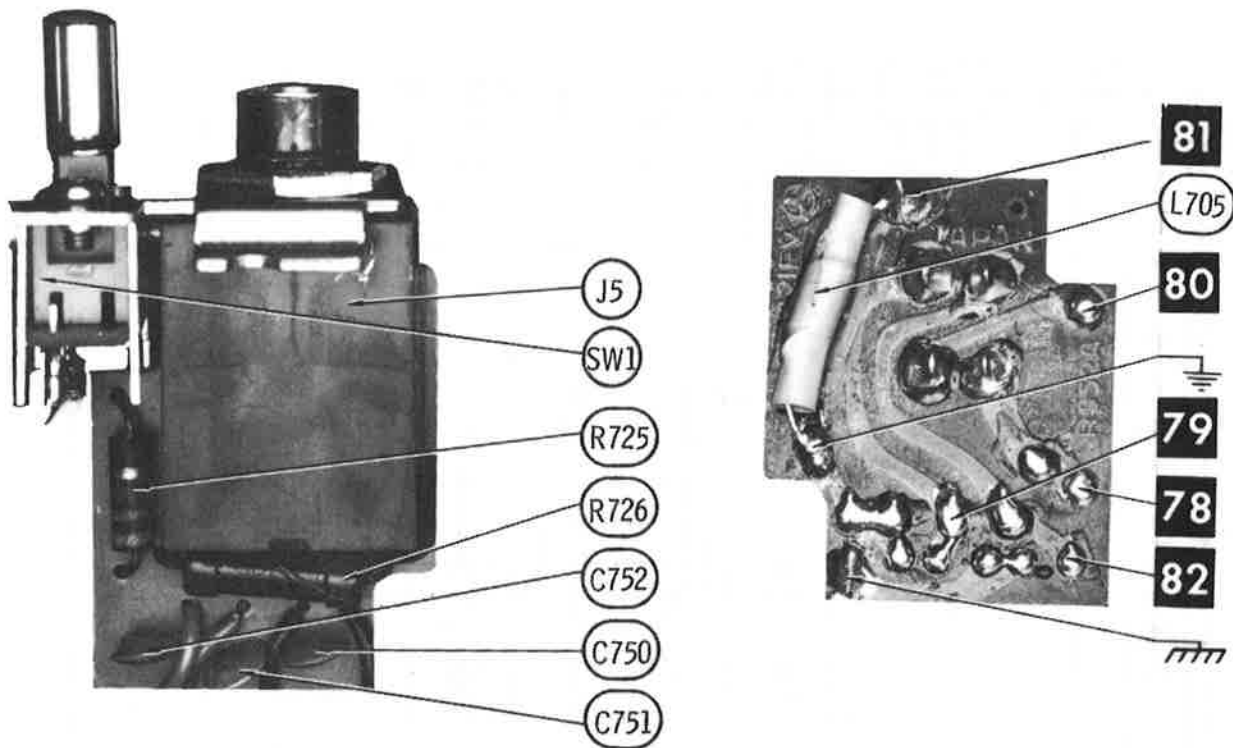
POWER SUPPLY BOARD



POWER SUPPLY BOARD

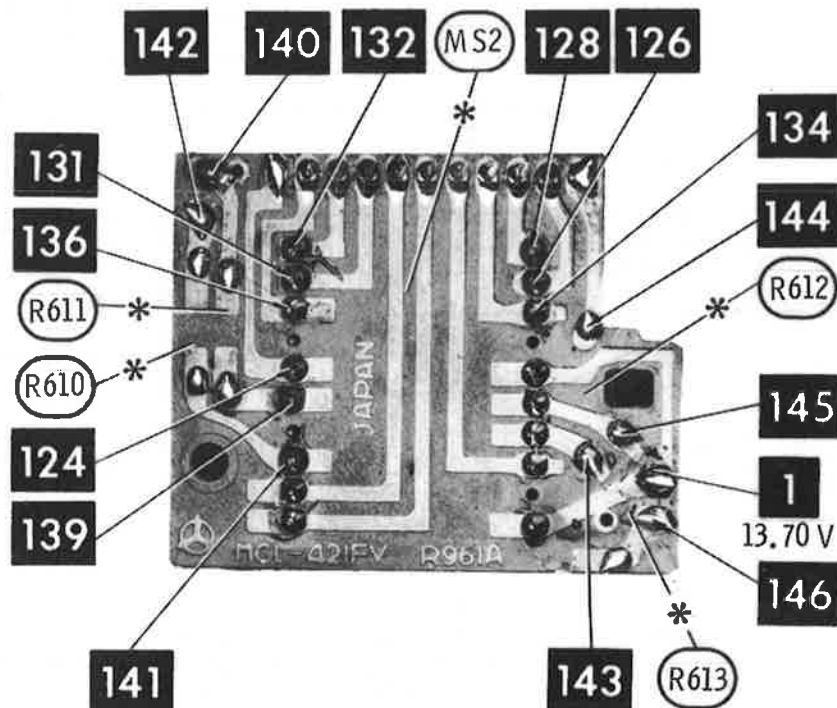


MICROPHONE JACK BOARD



HEADPHONE JACK BOARD

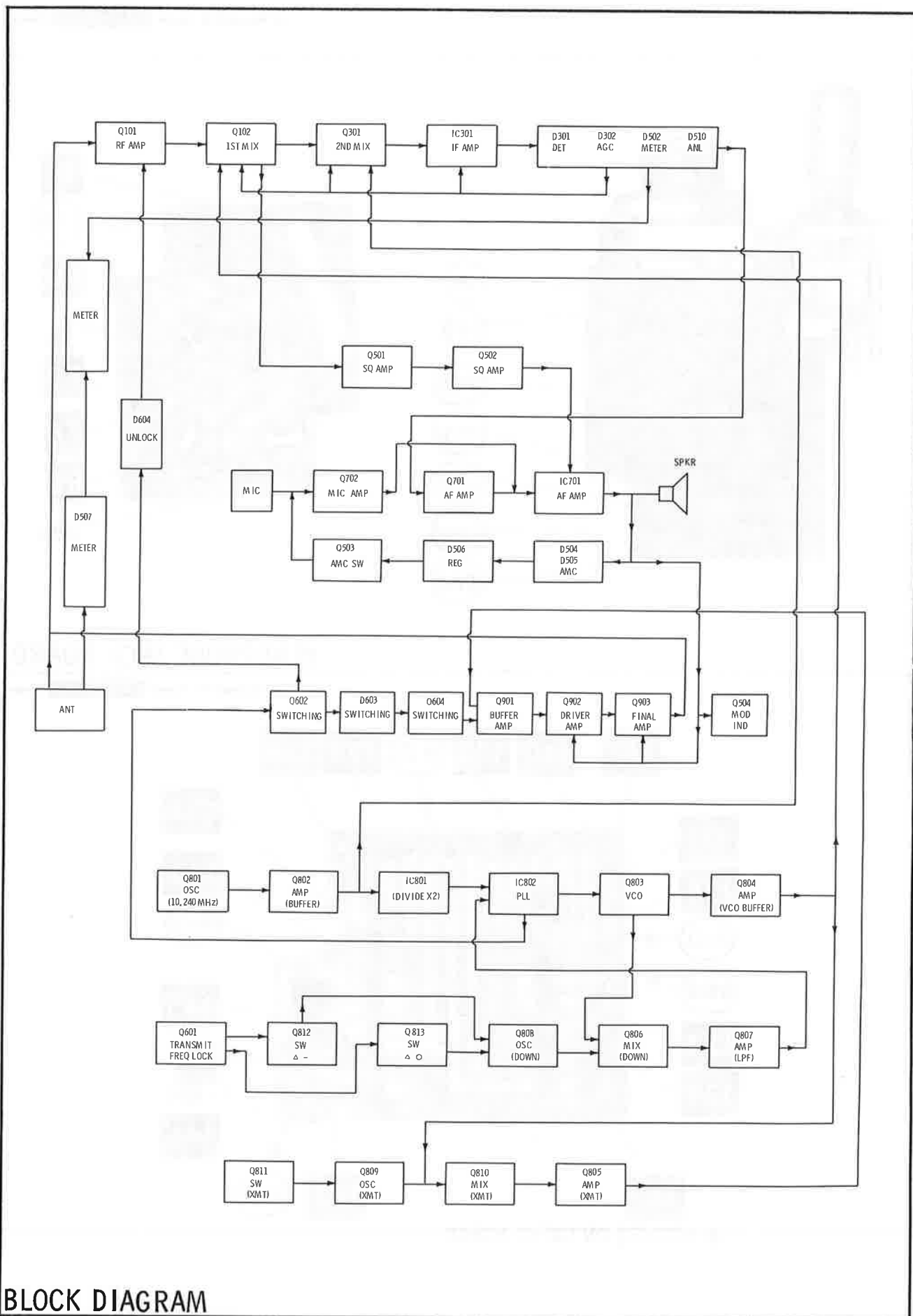
A Howard W. Sams **CIRCUITRACE** Photo



* LOCATED ON TOP OF BOARD.

LED BOARD

GENERAL ELECTRIC MODEL 3-5871A



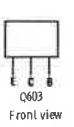
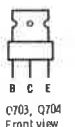
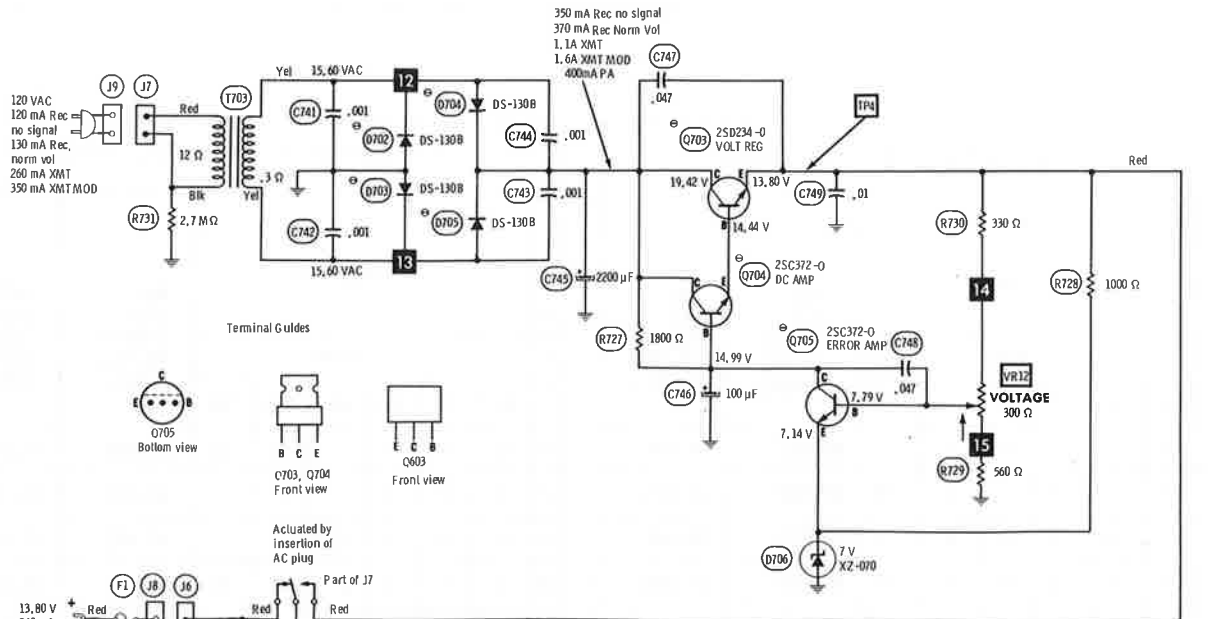
BLOCK DIAGRAM

TRUTH CHART

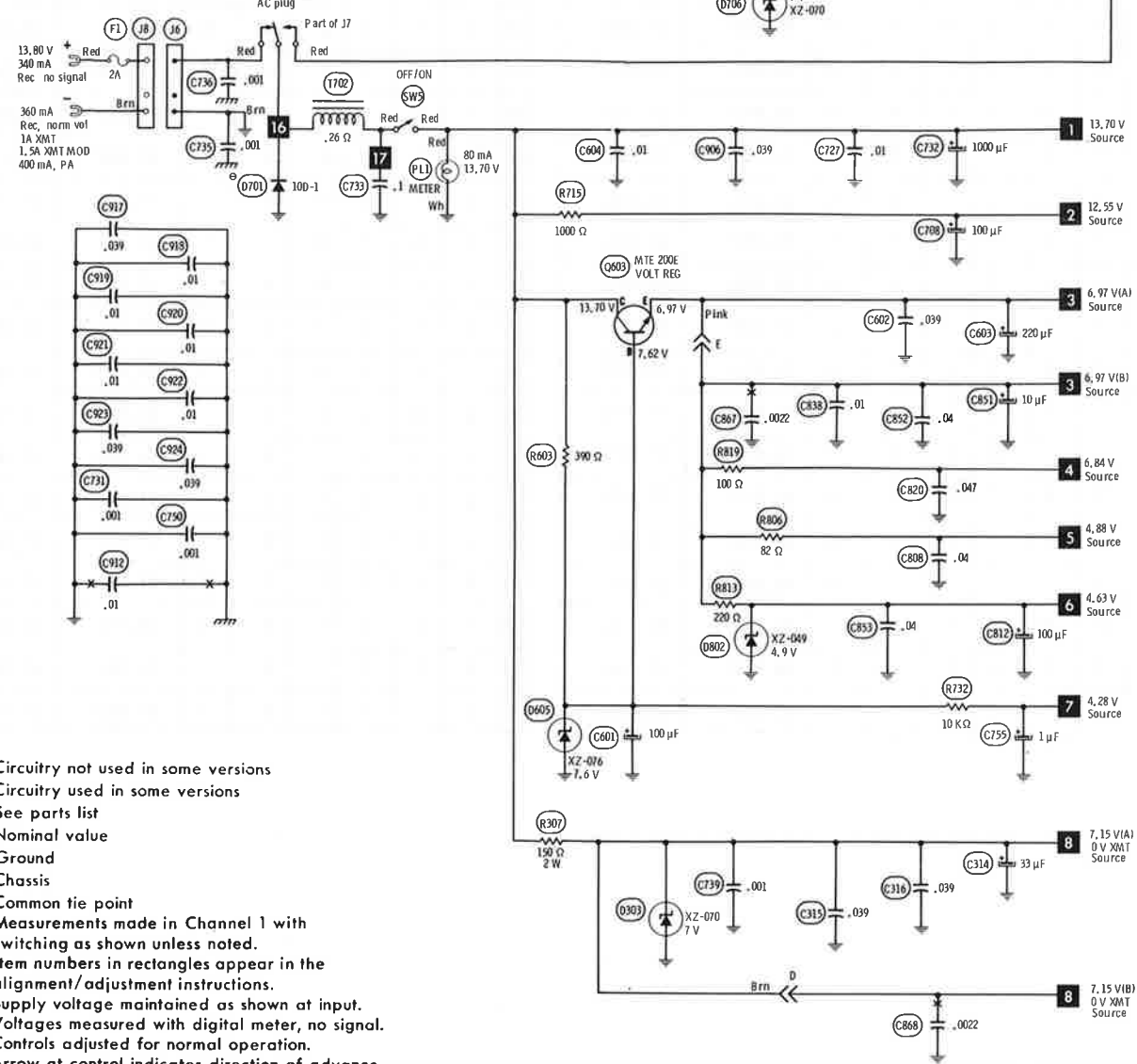
1 = <u>6.97</u> Volts 0 = <u>0</u> Volts								
C H A N N E L	PLL UNIT						REC VCO OUTPUT IN MHz 37M(B)	XMT VCO OUTPUT IN MHz 27M(C)
	PINS							
	S1	S2	S3	S4	S5	S6		
1	1	1	0	0	0	0	36.750	26.965
2	0	0	1	0	0	0	36.760	26.975
3	1	0	1	0	0	0	36.770	26.985
4	1	1	1	0	0	0	36.790	27.005
5	0	0	0	1	0	0	36.800	27.015
6	1	0	0	1	0	0	36.810	27.025
7	0	1	0	1	0	0	36.820	27.035
8	0	0	1	1	0	0	36.840	27.055
9	1	0	1	1	0	0	36.850	27.065
10	0	1	1	1	0	0	36.860	27.075
11	1	1	1	1	0	0	36.870	27.085
12	1	0	0	0	1	0	36.890	27.105
13	0	1	0	0	1	0	36.900	27.115
14	1	1	0	0	1	0	36.910	27.125
15	0	0	1	0	1	0	36.920	27.135
16	0	1	1	0	1	0	36.940	27.155
17	1	1	1	0	1	0	36.950	27.165
18	0	0	0	1	1	0	36.960	27.175
19	1	0	0	1	1	0	36.970	27.185
20	1	1	0	1	1	0	36.990	27.205

1 = <u>6.97</u> Volts 0 = <u>0</u> Volts								
C H A N N E L	PLL UNIT						REC VCO OUTPUT IN MHz 37M(B)	XMT VCO OUTPUT IN MHz 27M(C)
	PINS							
	S1	S2	S3	S4	S5	S6		
21	0	0	1	1	1	0	37.000	27.215
22	1	0	1	1	1	0	37.010	27.225
23	0	0	0	0	0	1	37.040	27.255
24	0	1	1	1	1	0	37.020	27.235
25	1	1	1	1	1	0	37.030	27.245
26	1	0	0	0	0	1	37.050	27.265
27	0	1	0	0	0	1	37.060	27.275
28	1	1	0	0	0	1	37.070	27.285
29	0	0	1	0	0	1	37.080	27.295
30	1	0	1	0	0	1	37.090	27.305
31	0	1	1	0	0	1	37.100	27.315
32	1	1	1	0	0	1	37.110	27.325
33	0	0	0	1	0	1	37.120	27.335
34	1	0	0	1	0	1	37.130	27.345
35	0	1	0	1	0	1	37.140	27.355
36	1	1	0	1	0	1	37.150	27.365
37	0	0	1	1	0	1	37.160	27.375
38	1	0	1	1	0	1	37.170	27.385
39	0	1	1	1	0	1	37.180	27.395
40	1	1	1	1	0	1	37.190	27.405

GENERAL ELECTRIC MODEL 3-5871A



Actuated by insertion of AC plug



- ✱ 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 1/2 W or less, 5% unless noted.
 Value in () used in some versions.

A PHOTOFAC STANDARD NOTATION SCHEMATIC

WITH CIRCUITACE

© Howard W. Sams & Co., Inc. 1977

PARTS LIST AND DESCRIPTION

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

SEMICONDUCTORS (Select replacement transistor for best results)

ITEM No.	TYPE No.	MFG. PART No.	REPLACEMENT DATA							
			GENERAL ELECTRIC PART No.	IR WORKMAN PART No.	MALLORY PART No.	MOTOROLA PART No.	RAYTHEON PART No.	RCA PART No.	SPRAGUE PART No.	SYLVANIA PART No.
D101	1S188	RT2334	1N60	1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109
D102	1S1588	EA16X152	GE-300	D200	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177
D301	1S1588		GE-300	D200	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177
	ITT-73N	EA16X35(1)	GE-300	D200	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177
D302	1S1588	EA16X152	GE-300	D200	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177
D303	XZ-070	EA16X123	GEZD-6.8	Z1206	ZB6.8A	HEPZ0409	RE 110	SK3334	RT-238	ECG5071
D501	1S188FM-A	EA16X140	1N60	1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109
	1S188	(1)	1N60	1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109
D502	1S188FM-A	EA16X140	1N60	1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109
	1S188	(1)	1N60	1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109
D503	10D-1		GE-504A	5A4D	PTC201	HEPR0052	RE 49	SK3030	RT-213	ECG116
	DS-130E	RV1424(1)	GE-504A	5A4D	PTC201	HEPR0052	RE 49	SK3030	RT-213	ECG116
D504	1S1588	EA16X152	GE-300	D200	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177
D505	1S1588	EA16X152	GE-300	D200	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177
D506	XZ-122	EA16X162								
D507	1S1588	EA15X152	GE-300	D200	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177
D509	1S1588	EA15X152	GE-300	D200	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177
D510	1S1588	EA15X152	GE-300	D200	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177
D601	1S1588	EA15X152	GE-300	D200	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177
D602	1S1588	EA15X152	GE-300	D200	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177
D603	1S1588	EA15X152	GE-300	D200	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177
D604	1S188FM-A	EA16X140	1N60	1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109
	1S188	(1)	1N60	1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109
D605	XZ-076	EA16X125	GEZD-7.5	Z1207	ZB7.5A	HEPZ0410	RE 111	SK3059	RT-239	ECG138
D606	1S1588	EA16X152	GE-300	D200	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177
D607	1S1588	EA16X152	GE-300	D200	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177
D608	1S1588	EA16X152	GE-300	D200	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177
D609	1S1588	EA16X152	GE-300	D200	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177
D610	1S1588	EA16X152	GE-300	D200	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177
D701	10D-1	RV1424	GE-504A	5A4D	PTC201	HEPR0052	RE 49	SK3030	RT-213	ECG116
	DS-130E	RV1424(1)	GE-504A	5A4D	PTC201	HEPR0052	RE 49	SK3030	RT-213	ECG116
D702	DS-130B	RV1424	GE-504A	5A4D	PTC201	HEPR0052	RE 49	SK3030	RT-213	ECG116
	DS-130C	RV1424(1)	GE-504A	5A4D	PTC201	HEPR0052	RE 49	SK3030	RT-213	ECG116
D703	DS-130B	RV1424	GE-504A	5A4D	PTC201	HEPR0052	RE 49	SK3030	RT-213	ECG116
	DS-130C	RV1424(1)	GE-504A	5A4D	PTC201	HEPR0052	RE 49	SK3030	RT-213	ECG116
D704	DS-130B	RV1424	GE-504A	5A4D	PTC201	HEPR0052	RE 49	SK3030	RT-213	ECG116
	DS-130C	RV1424(1)	GE-504A	5A4D	PTC201	HEPR0052	RE 49	SK3030	RT-213	ECG116
D705	DS-130B	RV1424	GE-504A	5A4D	PTC201	HEPR0052	RE 49	SK3030	RT-213	ECG116
	DS-130C	RV1424(1)	GE-504A	5A4D	PTC201	HEPR0052	RE 49	SK3030	RT-213	ECG116
D706	XZ-070	EA16X123	GEZD-6.8	Z1206	ZB6.8A	HEPZ0409	RE 110	SK3334	RT-238	ECG5071
D801	SVC-201	EA16X127	GE-90	D201	PTC311	HEPR2503	RE 195	SK3126	RT-262	ECG610
D802	XZ-049	EA16X126	GEZD-4.7	Z1202		HEPZ0405	RE 104	SK3333		ECG5069
IC301	CX-075B	EA33X8383								
IC701	LA44000Y									
	LA4420	EA33X8398(1)								ECG1193
IC801	SN7473N			WEP7473						ECG7473
	M53273P	EA33X8385(1)		WEP7473			RE 383-IC			ECG7473
IC802	M58472P	EA33X8386								
Q101	2SC784-0	EA15X176	GE-60 *	(IR)2SC380A0	PTC132 *	HEPS0008 *	RE 28 *	SK3018 *	RT-187	ECG229 *
	2SC784(1)		GE-60 *	(IR)2SC380A0	PTC132 *	HEPS0008 *	RE 28 *	SK3018 *	RT-187	ECG229 *
Q102	ED1502E	EA15X338	GE-39 *	TR-24 *	PTC136	HEPS0015 *	RE 28 *	SK3018 *	RT-107 *	ECG161 *
	2SC930E	RT6787(1)	GE-60 *	(IR)2SC772	PTC132 *	HEPS0016 *	RE 9	SK3039 *	RT-308	ECG229 *
	2SC930(1)		GE-60 *	(IR)2SC772	PTC132 *	HEPS0016 *	RE 9	SK3039 *	RT-308	ECG229 *
Q301	2SC930E	RT6787	GE-60 *	(IR)2SC772	PTC132 *	HEPS0016 *	RE 9	SK3039 *	RT-308	ECG229 *
	2SC930(1)		GE-60 *	(IR)2SC772	PTC132 *	HEPS0016 *	RE 9	SK3039 *	RT-308	ECG229 *
Q501	2SA733Q	EA15X185	GE-48	TR-31	PTC103 *	HEPS0019 *	RE 26 *	SK3138	RT-303	ECG294
	2SA733(1)		GE-48	TR-31	PTC103 *	HEPS0019 *	RE 26 *	SK3138	RT-303	ECG294
Q502	2SC372Y	EA15X180	GE-61 *	(IR)2SC372	PTC121 *	HEPS0015 *	RE 13 *	SK3122	RT-308	ECG123A *
	2SC945Q	EA15X404(1)	GE-212	(IR)2SC945	PTC121 *	HEPS0015 *	RE 192	SK3124	RT-107A	ECG199
	2SC945(1)		GE-212	(IR)2SC945	PTC121 *	HEPS0015 *	RE 192	SK3124	RT-107A	ECG199
	2SC536E	RT7326(1)	GE-212	(IR)2SC536	PTC121 *	HEPS0016 *	RE 192	SK3124	RT-107A	ECG199
	2SC536(1)		GE-212	(IR)2SC536	PTC121 *	HEPS0016 *	RE 192	SK3124	RT-107A	ECG199
Q503	2SC372Y	EA15X180	GE-61 *	(IR)2SC372	PTC121 *	HEPS0015 *	RE 13 *	SK3122	RT-308	ECG123A *
	2SC945Q	EA15X404(1)	GE-212	(IR)2SC945	PTC121 *	HEPS0015 *	RE 192	SK3124	RT-107A	ECG199
	2SC945(1)		GE-212	(IR)2SC945	PTC121 *	HEPS0015 *	RE 192	SK3124	RT-107A	ECG199
	2SC536E	RT7326(1)	GE-212	(IR)2SC536	PTC121 *	HEPS0016 *	RE 192	SK3124	RT-107A	ECG199
	2SC536(1)		GE-212	(IR)2SC536	PTC121 *	HEPS0016 *	RE 192	SK3124	RT-107A	ECG199
Q504	2SA495-0		GE-221 *	(IR)2SA495	PTC103 *	HEPS0013 *	RE 26 *	SK3114	RT-303	ECG159 *
	2SA495Q(1)		GE-221 *	(IR)2SA495	PTC103 *	HEPS0013 *	RE 26 *	SK3114	RT-303	ECG159 *
	2SA495(1)		GE-221 *	(IR)2SA495	PTC103 *	HEPS0013 *	RE 26 *	SK3114	RT-303	ECG159 *
Q505	2SC828R	EA15X325	GE-61 *	(IR)2SC828A	PTC121 *	HEPS0015 *	RE 192	SK3122	RT-302	ECG199
	2SC828(1)		GE-61 *	(IR)2SC828A	PTC121 *	HEPS0015 *	RE 192	SK3122	RT-302	ECG199
	2SC945(1)		GE-212	(IR)2SC945	PTC121 *	HEPS0015 *	RE 192	SK3124	RT-107A	ECG199
	2SC945-Q	EA15X404(1)	GE-212	(IR)2SC945	PTC121 *	HEPS0015 *	RE 192	SK3124	RT-107A	ECG199
	2SC536E	RT7326(1)	GE-212	(IR)2SC536	PTC121 *	HEPS0016 *	RE 192	SK3124	RT-107A	ECG199
	2SC536(1)		GE-212	(IR)2SC536	PTC121 *	HEPS0016 *	RE 192	SK3124	RT-107A	ECG199
Q601	2SC372Y	EA15X180	GE-61 *	(IR)2SC372	PTC121 *	HEPS0015 *	RE 13 *	SK3122	RT-308	ECG123A *
	2SC372(1)		GE-61 *	(IR)2SC372	PTC121 *	HEPS0015 *	RE 13 *	SK3122	RT-308	ECG123A *
	2SC945Q	EA15X404(1)	GE-212	(IR)2SC945	PTC121 *	HEPS0015 *	RE 192	SK3124	RT-107A	ECG199
	2SC945(1)		GE-212	(IR)2SC945	PTC121 *	HEPS0015 *	RE 192	SK3124	RT-107A	ECG199

GENERAL ELECTRIC MODEL 3-5871A

PARTS LIST AND DESCRIPTION (CONTINUED)

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

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

ITEM No.	TYPE No.	MFR. PART No.	REPLACEMENT DATA							
			GENERAL ELECTRIC PART No.	IR WORKMAN PART No.	MALLORY PART No.	MOTOROLA PART No.	RAYTHEON PART No.	RCA PART No.	SPRAGUE PART No.	SYLVANIA PART No.
Q602	2SC536E	RT7326(1)	GE-212	(IR)2SC536	PTC121 *	HEPS0016 *	RE 192	SK3124	RT-107A	ECG199
	2SC536(1)		GE-212	(IR)2SC536	PTC121 *	HEPS0016 *	RE 192	SK3124	RT-107A	ECG199
	2SC372Y		GE-61 *	(IR)2SC372	PTC121 *	HEPS0015 *	RE 13 *	SK3122	RT-308	ECG123A *
	2SC372	EA15X180(1)	GE-212	(IR)2SC536	PTC121 *	HEPS0016 *	RE 192	SK3124	RT-107A	ECG199
	2SC945Q	EA15X404(1)	GE-212	(IR)2SC945	PTC121 *	HEPS0015 *	RE 192	SK3124	RT-107A	ECG199
Q603	2SC945(1)		GE-212	(IR)2SC945	PTC121 *	HEPS0015 *	RE 192	SK3124	RT-107A	ECG199
	2SC536E	RT7326(1)	GE-278	TR-95 *	PTC115 *	HEPS0020 *	RE 28 *	SK3018 *	RT-308 *	ECG313
	2SC536(1)		GE-212	(IR)2SC536	PTC121 *	HEPS0016 *	RE 192	SK3124	RT-107A	ECG199
	MJE200E	EA15X406	GE-28	WEP1096	PTC110	HEPS0027	RE 42	SK3197	RT-166	ECG186a
	2SC828R	EA15X325	GE-61 *	(IR)2SC828A	PTC121 *	HEPS0015 *	RE 192	SK3122	RT-302	ECG199
Q604	2SC945Q	EA15X404(1)	GE-212	(IR)2SC945	PTC121 *	HEPS0015 *	RE 192	SK3124	RT-107A	ECG199
	2SC945(1)		GE-212	(IR)2SC945	PTC121 *	HEPS0015 *	RE 192	SK3124	RT-107A	ECG199
	2SC536E	RT7326(1)	GE-212	(IR)2SC536	PTC121 *	HEPS0016 *	RE 192	SK3124	RT-107A	ECG199
	2SC536(1)		GE-212	(IR)2SC536	PTC121 *	HEPS0016 *	RE 192	SK3124	RT-107A	ECG199
	2SC536E	RT7326	GE-212	(IR)2SC536	PTC121 *	HEPS0016 *	RE 192	SK3124	RT-107A	ECG199
Q701	2SC536(1)		GE-212	(IR)2SC536	PTC121 *	HEPS0016 *	RE 192	SK3124	RT-107A	ECG199
	2SC536E	RT7326	GE-212	(IR)2SC536	PTC121 *	HEPS0016 *	RE 192	SK3124	RT-107A	ECG199
	2SC536(1)		GE-212	(IR)2SC536	PTC121 *	HEPS0016 *	RE 192	SK3124	RT-107A	ECG199
	2SC536E	RT7326	GE-212	(IR)2SC536	PTC121 *	HEPS0016 *	RE 192	SK3124	RT-107A	ECG199
	2SC536(1)		GE-212	(IR)2SC536	PTC121 *	HEPS0016 *	RE 192	SK3124	RT-107A	ECG199
Q702	2SC536E		GE-212	(IR)2SC536	PTC121 *	HEPS0016 *	RE 192	SK3124	RT-107A	ECG199
	2SC536(1)		GE-212	(IR)2SC536	PTC121 *	HEPS0016 *	RE 192	SK3124	RT-107A	ECG199
	2SD234-0	EA15X407	GE-66	TR-76	HEPS5027	RE 21	SK3054	RT-197	ECG152	
	2SD234(1)		GE-66	TR-76	HEPS5027	RE 21	SK3054	RT-197	ECG152	
	2SC1173-0	EA15X271	GE-215	WEP1306	PTC186	RE 201	SK3197	RT-160	ECG236	
Q704	2SC1173(1)		GE-215	WEP1306	PTC186	RE 201	SK3197	RT-160	ECG236	
	2SC372-0	EA15X180	GE-61 *	(IR)2SC372	PTC121 *	HEPS0015 *	RE 13 *	SK3122	RT-308	ECG123A *
	2SC372(1)		GE-61 *	(IR)2SC372	PTC121 *	HEPS0015 *	RE 13 *	SK3122	RT-308	ECG123A *
	2SC710C	EA15X364	GE-211 *	(IR)2SC710	PTC115	HEPS0016 *	RE 13 *	SK3018 *	RT-308 *	ECG123A *
	2SC710(1)		GE-211 *	(IR)2SC710	PTC115	HEPS0016 *	RE 13 *	SK3018 *	RT-308 *	ECG123A *
Q801	2SC710C	EA15X365	GE-211 *	(IR)2SC710	PTC115	HEPS0016 *	RE 13 *	SK3018 *	RT-308 *	ECG123A *
	2SC710(1)		GE-211 *	(IR)2SC710	PTC115	HEPS0016 *	RE 13 *	SK3018 *	RT-308 *	ECG123A *
	2SC710C	EA15X365	GE-211 *	(IR)2SC710	PTC115	HEPS0016 *	RE 13 *	SK3018 *	RT-308 *	ECG123A *
	2SC710(1)		GE-211 *	(IR)2SC710	PTC115	HEPS0016 *	RE 13 *	SK3018 *	RT-308 *	ECG123A *
	2SK33E	EA15X400	GE-FET-2	FE-100	PTC161	HEPF0021	RE 45	SK3116	RT-175	ECG312
Q803	2SK33(1)		GE-FET-2	FE-100	PTC161	HEPF0021	RE 45	SK3116	RT-175	ECG312
	2SC710C	EA15X365	GE-211 *	(IR)2SC710	PTC115	HEPS0016 *	RE 13 *	SK3018 *	RT-308 *	ECG123A *
	2SC710(1)		GE-211 *	(IR)2SC710	PTC115	HEPS0016 *	RE 13 *	SK3018 *	RT-308 *	ECG123A *
	2SK33F	EA15X401	GE-FET-2	FE-100	PTC161	HEPF0021	RE 45	SK3116	RT-175	ECG312
	2SK33(1)		GE-FET-2	FE-100	PTC161	HEPF0021	RE 45	SK3116	RT-175	ECG312
Q806	MEN680Y	EA15X402	GE-FET-4	WEP905	PTC181	HEPF2004	RE 199	SK3050	RT-181	ECG222
	MEN680(1)		GE-FET-4	WEP905	PTC181	HEPF2004	RE 199	SK3050	RT-181	ECG222
	2SC710C	EA15X365	GE-211 *	(IR)2SC710	PTC115	HEPS0016 *	RE 13 *	SK3018 *	RT-308 *	ECG123A *
	2SC710(1)		GE-211 *	(IR)2SC710	PTC115	HEPS0016 *	RE 13 *	SK3018 *	RT-308 *	ECG123A *
	2SC710C	EA15X364	GE-211 *	(IR)2SC710	PTC115	HEPS0016 *	RE 13 *	SK3018 *	RT-308 *	ECG123A *
Q808	2SC710(1)		GE-211 *	(IR)2SC710	PTC115	HEPS0016 *	RE 13 *	SK3018 *	RT-308 *	ECG123A *
	2SC710C	EA15X364	GE-211 *	(IR)2SC710	PTC115	HEPS0016 *	RE 13 *	SK3018 *	RT-308 *	ECG123A *
	2SC710(1)		GE-211 *	(IR)2SC710	PTC115	HEPS0016 *	RE 13 *	SK3018 *	RT-308 *	ECG123A *
	2SC710C	EA15X364	GE-211 *	(IR)2SC710	PTC115	HEPS0016 *	RE 13 *	SK3018 *	RT-308 *	ECG123A *
	2SC710(1)		GE-211 *	(IR)2SC710	PTC115	HEPS0016 *	RE 13 *	SK3018 *	RT-308 *	ECG123A *
Q809	2SC710C	EA15X364	GE-211 *	(IR)2SC710	PTC115	HEPS0016 *	RE 13 *	SK3018 *	RT-308 *	ECG123A *
	2SC710(1)		GE-211 *	(IR)2SC710	PTC115	HEPS0016 *	RE 13 *	SK3018 *	RT-308 *	ECG123A *
	3N201	EA15X405	GE-FET-4	WEP905	PTC181	HEPF2004	RE 199	SK3050	RT-181	ECG222
	2SC710B	EA15X367	GE-211 *	(IR)2SC710	PTC115	HEPS0016 *	RE 13 *	SK3018 *	RT-308 *	ECG123A *
	2SC710(1)		GE-211 *	(IR)2SC710	PTC115	HEPS0016 *	RE 13 *	SK3018 *	RT-308 *	ECG123A *
Q812	2SC710B	EA15X367	GE-211 *	(IR)2SC710	PTC115	HEPS0016 *	RE 13 *	SK3018 *	RT-308 *	ECG123A *
	2SC710(1)		GE-211 *	(IR)2SC710	PTC115	HEPS0016 *	RE 13 *	SK3018 *	RT-308 *	ECG123A *
	2SC710B	EA15X367	GE-211 *	(IR)2SC710	PTC115	HEPS0016 *	RE 13 *	SK3018 *	RT-308 *	ECG123A *
	2SC710(1)		GE-211 *	(IR)2SC710	PTC115	HEPS0016 *	RE 13 *	SK3018 *	RT-308 *	ECG123A *
	2SC710B	EA15X367	GE-211 *	(IR)2SC710	PTC115	HEPS0016 *	RE 13 *	SK3018 *	RT-308 *	ECG123A *
Q813	2SC710(1)		GE-211 *	(IR)2SC710	PTC115	HEPS0016 *	RE 13 *	SK3018 *	RT-308 *	ECG123A *
	2SC710B	EA15X367	GE-211 *	(IR)2SC710	PTC115	HEPS0016 *	RE 13 *	SK3018 *	RT-308 *	ECG123A *
	2SC710(1)		GE-211 *	(IR)2SC710	PTC115	HEPS0016 *	RE 13 *	SK3018 *	RT-308 *	ECG123A *
	2SC710B	EA15X367	GE-211 *	(IR)2SC710	PTC115	HEPS0016 *	RE 13 *	SK3018 *	RT-308 *	ECG123A *
	2SC710(1)		GE-211 *	(IR)2SC710	PTC115	HEPS0016 *	RE 13 *	SK3018 *	RT-308 *	ECG123A *
Q901	2SC1166-0	EA15X408(13)	GE-81 *	TR-63 *	PTC143	HEPS5026 *	RE 210	SK3122	RT-141	ECG297
	2SC1166(1)		GE-81 *	TR-63 *	PTC143	HEPS5026 *	RE 210	SK3122	RT-141	ECG297
	2SC2028/2		GE-270	WEP913	PTC180	HEPS3044	RE 209	SK3122	RT-141	ECG295
	2SC2028(1)		GE-270	WEP913	PTC180	HEPS3044	RE 209	SK3122	RT-141	ECG295
	2SC1957	EA15X409	GE-270	WEP913	PTC180	HEPS3044	RE 209	SK3122	RT-141	ECG295
Q902	(12)(1)		GE-270	WEP913	PTC180	HEPS3044	RE 209	SK3122	RT-141	ECG295
	2SC2028(1)		GE-270	WEP913	PTC180	HEPS3044	RE 209	SK3122	RT-141	ECG295
	2SC1957	EA15X409	GE-270	WEP913	PTC180	HEPS3044	RE 209	SK3122	RT-141	ECG295
	(12)(1)		GE-270	WEP913	PTC180	HEPS3044	RE 209	SK3122	RT-141	ECG295
	2SC2029	EA15X410	GE-333	WEP1306	PTC186		RE 203	SK3197	RT-146	ECG235

* Lead configuration may vary from original.

(1) Used in some versions.

(12) 750 M WATTS @ 1 AMP

(13) 600 M WATTS @ 200 mA

ELECTROLYTIC CAPACITORS

ITEM No.	RATING	REPLACEMENT DATA				
		MFR. PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.	
					Q-LINE	GENERAL LINE
C313	4.7 10V	EA31X211	PC5-50	VTT4R7B50	QV1-27	EV-1319
C314	33 10V	RT5269	PC30-25	VTT33B10	QV1-61	EV-1125
C501	1 50V	EA31X204	PC1-50	VTT1A50	QV1-11	EV-1615
C503	3.3 10V	EA2552		TDC335M015FL	QDT1-41	SD15-3R39
C506	3.3 50V	EA31X239	PC5-50	VTT3R3A50	QV1-25	EV-1618
C508	4.7 16V	EA31X150	PC5-50	VTT4R7B50	QV1-27	EV-1319
C509	33 10V	RT5269	PC30-25	VTT33B10	QV1-61	EV-1125
C601	100 10V	EA31X198	PC700-10	VTT100E10	QV1-93	EV-1130
C603	220 10V	EA31X236	PC250-10	VTT220F10	QV1-115	EV-1140
C605	1 10V	EA2149	PC1-50	VTT1A50	QV1-9	EV-1315
C701	.1 10V	RT7332		TDC104M050EL	QDT1-2	SD50-R109
C705	33 6.3V	RT5269	PC30-25	VTT33B10	QV1-61	EV-1125
C706	33 10V	RT5269	PC30-25	VTT33B10	QV1-61	EV-1125
C708	100 16V	RT4769	PC100-16	VTT100F16	QV1-95	EV-1230

PARTS LIST AND DESCRIPTION (CONTINUED)

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

ELECTROLYTIC CAPACITORS (cont)

ITEM No.	RATING	REPLACEMENT DATA				
		MFR. PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.	
					Q-LINE	GENERAL LINE
C713	10 10V	EA31X213	PC10-25	VTT10825	QV1-41	EV-1222
C716	4.7 10V	EA31X211	PC5-50	VTT4R7B50	QV1-27	EV-1319
C722	10 10V	EA31X213	PC10-25	VTT10825	QV1-41	EV-1222
C725	220 16V	RT5047	PC250-25	VTT220H16	QV1-117	EV-1240
C726	47 16V	EA31X214	PC50-16	VTT47D16	QV1-73	EV-1226
C732	1000 16V	EA31X200	PC1000-16	VTT1000L16	QV1-183	EV-1260
C745	2200 35V	EA31X206	WBR2000-50	TC50200A	QE1-648	TVA-1318.3
C746	100 25V	RT4769	PC100-25	VTT100G25	QV1-97	EV-1330
C755	1 10V	EA2149	PC1-50	VTT1A50	QV1-9	EV-1315
C810	3.3 25V	EA2552	PC5-50	VTT3R3A50	QV1-23	EV-1318
C811	.33 35V	EA31X208		TDC334M050EL	QDT1-14	SD50-R339
C812	100 6.3V	EA31X199	PC100-10	VTT100E10	QV1-93	EV-1130
C813	.47 50V			TDC474M050EL	QDT1-19	SD50-R479
C825	.22 10V	EA31X240		TDC224M050EL	QDT1-10	SD50-R229
C835	3.3 10V	EA18X183		TDC335M015FL	QDT1-41	SD15-3R39
C851	10 10V	EA31X213		TDC106M025FL	QDT1-64	SD25-109
C928	10 10V	EA31X213	PC10-25	VTT10825	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	27 N220 10% 50V	EA18X181			*		10TCR-Q27
C102	22 N220 10% 50V	EA18X151			*		10TCR-Q22
C103	.01 25V		DC-103	MGP01	TA110	QC2-141	TG-S10
C104	82 N220 5% 50V	EA18X234			*		10TCR-Q82
C105	.039 25V		UK25-333		MAG25133		HY-730
C106	.039 25V		UK25-333		MAG25133		HY-730
C107	15 N220 5% 50V	EA18X201			*		10TCR-Q15
C108	.01 25V		DC-103	MGP01	TA110	QC2-141	TG-S10
C109	.039 25V		UK25-333		MAG25133		HY-730
C110	.04 25V		UK25-333		MAG25133		HY-730
C301	2 N220 +.25 50V	EA18X160			*		HY-730
C302	.039 25V		UK25-333		MAG25133		10TCR-Q47
C303	47 N220 5% 50V	EA18X246			*		HY-730
C304	.039 25V		UK25-333		MAG25133		HY-730
C305	.039 25V		UK25-333		MAG25133		HY-730
C306	68 5% 50V		DTZ-68	NPO68	CNO468		10TCC-Q68
C307	.039 25V		UK25-333		MAG25133		HY-730
C308	.039 25V		UK25-333		MAG25133		HY-730
C309	.039 25V		UK25-333		MAG25133		HY-730
C310	.039 50V				M192P3939R8		192P3939R8
C311	.039 50V				M192P3939R8		192P3939R8
C312	.01 50V		DC-103	MGP01	TA110	QC2-141	TG-S10
C315	.039 25V		UK25-333		MAG25133		HY-730
C316	.039 50V				M192P3939R8		192P3939R8
C502	.022 25V				M192P2239R8		192P2239R8
C504	.039 50V				M192P3939R8		192P3939R8
C505	.022				M192P2239R8		192P2239R8
C507	300 10% 50V		DD-301	GP300	GP330		10TS-T30
C510	.022				M192P2239R8		192P2239R8
C511	.01 50V			WMF1S1	EWFA110	QF1-91	1PB-S10
C512	.039 25V		UK25-333		MAG25133		HY-730
C513	5 N220 +.25 50V	EA2153			*		10TCR-V50
C514	.01 25V		DC-103	MGP01	TA110	QC2-141	TG-S10
C602	.039 25V		UK25-333		MAG25133		HY-730
C604	.01 50V		DC-103	MGP01	TA110	QC2-141	TG-S10
C606	.0047 50V		DD-472	GP4700	GP247		5GA-D47
C702	.039 50V				M192P3939R8		192P3939R8
C703	.01 50V			WMF1S1	EWFA110	QF1-91	1PB-S10
C704	.0047		DD-472	GP4700	GP247		5GA-D47
C707	.0047 50V		DD-472	GP4700	GP247		5GA-D47
C709	.022 50V				M192P2239R8		192P2239R8
C710	.01 50V			WMF1S1	EWFA110	QF1-91	1PB-S10
C711	.01 50V			WMF1S1	EWFA110	QF1-91	1PB-S10
C712	.022 50V				M192P2239R8		192P2239R8
C714	.033 50V				M192P3339R8		192P3339R8
C715	.022 50V				M192P2239R8		192P2239R8
C717	.01 50V			WMF1S1	EWFA110	QF1-91	1PB-S10
C718	.033 50V				M192P3339R8		192P3339R8
	.02	(1)			M192P2239R8		192P2239R8
C719	.0047 50V		DD-472	GP4700	GP247		5GA-D47
C720	82 N220 5% 50V	EA18X234			*		10TCR-Q82
C721	270 10% 50V		DD-271	GP270	GP327		10TS-T27
C723	.022 50V				M192P2239R8		192P2239R8
C724	.15 50V			WMF05P15	EWFO5015		431P1549R5
C727	.01 50V			WMF1S1	EWFA110	QF1-91	1PB-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

GENERAL ELECTRIC MODEL 3-5871A

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
C733	.1 50V	(1)	CK-104		MAG5001		
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		DD-102G	GP1000	GP210	QC2-81	5GA-D10
C738	.001 50V		DD-102G	GP1000	GP210	QC2-81	5GA-D10
C739	.001 50V		DD-102G	GP1000	GP210	QC2-81	5GA-D10
C740	.001 50V		DD-102G	GP1000	GP210	QC2-81	5GA-D10
C741	.001 150V		DD-102G	GP1000	GP210	QC2-81	5GA-D10
C742	.001 150V		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
C747	.047 50V		UK50-503		MAG5015		
C748	.047 50V		UK50-503		MAG5015		
C749	.01 50V		DC-103	MGP01	TA110	QC2-141	TG-S10
C750	.001 50V		DD-102G	GP1000	GP210	QC2-81	5GA-D10
C751	.001 50V		DD-102G	GP1000	GP210	QC2-81	5GA-D10
C752	.001 50V		DD-102G	GP1000	GP210	QC2-81	5GA-D10
C753	.0047 50V		DD-472	GP4700	GP247		5GA-D47
C754	.001 50V		DD-102G	GP1000	GP210	QC2-81	5GA-D10
C801	390 10% 50V		DD-391	GP390	GP339		10TS-T39
C802	120 10% 50V		DTZ-120		CNO312		10TCC-T12
C803	.04 50V		UK50-333		MAG50133		
C804	16 10% 50V		DTZ-15	NP015	CNO415		10TCC-Q15
C805	3 +.25 50V	EA18X174					
C806	4 +.25 50V	EA2533					
C807	100 N220 5% 50V	EA18X117					
C808	.04 50V		UK50-333		MAG50133		10TCR-T10
C809	500 10% 50V		DD-501	GP500	GP350		10TS-T50
C814	10 N220 5% 50V	EA18X152					10TCR-Q10
C815	33 10% 50V		DTZ-33	NP033	CNO433		10TCC-Q33
C816	20 N220 5% 50V	EA18X214					10TCR-Q20
C817	5 +.25 50V	EA18X110					
C818	.001 10% 50V		DD-102		GP210		10TS-D10
C819	47 N220 5% 50V	EA18X246					10TCR-Q47
C820	.047 50V		UK50-503		MAG5015		
C821	30 10% 50V		DTZ-33	NP033	CNO433		10TCC-Q33
C822	22 10% 50V		DTZ-22	NP022	CNO422		10TCC-Q22
C823	120 10% 50V		DTZ-120		CNO312		10TCC-T12
C824	130 10% 50V		DTZ-120		CNO312		10TCC-T12
C826	390 10% 50V		DD-391	GP390	GP339		10TS-T39
C827	120 N220 5% 50V	EA18X187					10TCR-T12
C828	500 10% 50V		DD-501	GP500	GP350		10TS-T50
C829	30 10% 50V		DTZ-33	NP033	CNO433		10TCC-Q33
C830	82 N220 5% 50V	EA18X234					10TCR-Q82
C832	200		DTZ-200				10TCC-T20
C833	25 N220 5% 50V	EA5259					10TCR-Q25
C834	.01 50V		DC-103	MGP01	TA110	QC2-141	TG-S10
C836	18 10% 50V				CNO418		10TCC-Q18
C837	180 N220 5% 50V	EA18X255					10TCR-T18
C838	.01 50V		DC-103	MGP01	TA110	QC2-141	TG-S10
C839	3 +.25 50V	EA18X174					
C840	82 N220 5% 50V	EA18X234					10TCR-Q82
C841	3 +.25 50V	EA18X174					
C842	82 N220 5% 50V	EA18X234					10TCR-Q82
C844	50 NPO 5% 50V		DTZ-50	NP050	CNO450		10TCC-Q50
C845	.005 50V		DC-502	MGP005	TA250	QC2-123	TG-D50
C846	.005 50V		DC-502	MGP005	TA250	QC2-123	TG-D50
C847	100 10% 50V		DD-101	GP100	GP310		10TS-T10
C848	30 NPO 5% 50V		DTZ-33	NP033	CNO433		10TCC-Q33
C850	.04 50V		UK50-333		MAG50133		
C852	.04 50V		UK50-333		MAG50133		
C853	.04 50V		UK50-333		MAG50133		
C861	.0022 50V				GP222		10TS-D22
C862	.0022 50V				GP222		10TS-D22
C863	.0022 50V				GP222		10TS-D22
C864	.0022 50V				GP222		10TS-D22
C865	.0022 50V				GP222		10TS-D22
C866	.0022 50V				GP222		10TS-D22
C867	.0022 50V				GP222		10TS-D22
C868	.0022 50V				GP222		10TS-D22
C901	500 5% 50V		DD-501	GP500	GP350		10TS-D22
C902	.022 25V		DC-203	MGP02	TA120	QC2-157	10TS-T50
C903	47 N220 5% 50V	EA18X246					TG-S20
C905	.039 25V	(1)	UK25-333		MAG25133		10TCR-Q47
C906	.039 25V		UK25-333		MAG25133		HY-730
C907	.0022 50V				GP222		10TS-D22
C908	82 N220 5% 50V	EA18X234					10TCR-Q82
C909	150 N220 10% 50V	EA18X217					10TCR-T15
C910	.039 50V		UK50-333		MAG50133		
C911	.001 50V		DD-102G	GP1000	GP210	QC2-81	5GA-D10
C912	.01 50V		DC-103	MGP01	TA110	QC2-141	TG-S10

PARTS LIST AND DESCRIPTION (CONTINUED)

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

CAPACITORS (cont)

ITEM No.	RATING	MFR. PART No.	REPLACEMENT DATA				
			CENTRALAB PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE Q-LINE	PART No. GENERAL LINE
C913	390 5% 50V	EA18X217	DD-391	GP390	GP339		10TS-T39
C914	270 10% 50V		DD-271	GP270	GP327		10TS-T27
C915	150 N220 10% 50V				*		10TCR-T15
C916	39 5% 50V				CN0439		10TCC-Q39
C917	.039 25V		UK25-333	MGP01	MAG25133	QC2-141	HY-730
C918	.01 50V		DC-103	MGP01	TA110	TA110	TG-S10
C919	.01 50V		DC-103	MGP01	TA110	QC2-141	TG-S10
C920	.01 50V		DC-103	MGP01	TA110	QC2-141	TG-S10
C921	.01 50V		DC-103	MGP01	TA110	QC2-141	TG-S10
C922	.01 50V		DC-103	MGP01	TA110	QC2-141	TG-S10
C923	.039 25V	EA30X56	UK25-333		MAG25133		HY-730
C924	.039 25V		UK25-333		MAG25133		HY-730
CT801	30						

* 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				
			MFR. PART No.	CENTRALAB PART No.	CLAROSTAT PART No.	MALLORY PART No.	TRW PART No.
VR1	AGC Voltage	100K	EA49X325				
VR2	Squelch	10K	EA49X377(18)				
VR13	Tone	100K					
VR3	Squelch Range	50K	EA49X313				
VR4	S Meter	10K	EA49X378				
VR5	Volume/Switch	10K	EA49X379	F2-10K(1), SSK010, KR1	NP-10K-Z(1), UP-C-400, NWE-12	RU14A, SL36, SK750, US41	BU1(1), CF61, SS1, GC
VR6	AMC	1000	EA49X316				
VR7	RF Meter	50K	EA49X313				
VR10	RF Gain Range	10K	EA49X378				
VR11	RF Gain	50K	EA49X380				
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.

(18) Includes VR2 and VR13.

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.
IR501	Resistor Network		EA42X1	TH501	4900 NTC Co1d		EA16X121
IR801	Resistor Network		EA42X2(1)				

(1) Consists of seven 47K-ohm resistors.

COILS (RF-IF)

ITEM No.	FUNCTION	REPLACEMENT DATA			REMARKS
		PART No.	OTHER IDENTIFICATION	MILLER PART No.	
F901	TVI Trap	EA36X306			
L101	Rec. Antenna (27MHz)	EA36X201			
L102	Rec. RF (27MHz)	EA36X202			
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 (68uH)	EA36X315			
L901	Xmt Buffer (27MHz)	EA36X206			
L902	RF Choke	EA36X207			
L903	Xmt Driver (27MHz)	EA36X310			
L904	RF Choke	EA36X320			
L905	Final Amp (27MHz)	EA36X211			
L906	Pi Filter	EA36X311			
L907	Antenna Match	EA36X321			
T301	Rec. Mixer (27MHz)	EA56X53			
T302	Rec. Mixer (27MHz)	EA56X54			
T303	IF (455kHz)	EA56X55			
T304	IF (455kHz)	EA56X51			
T801	Buffer Amp (10.240MHz)	EA36X212			
T802	VCO (37MHz)	EA35X110			
T803	VCO Buffer (37MHz)	EA35X111			
T804	Xmt Mixer (27MHz)	EA36X213			
T805	Xmt Amp (27MHz)	EA36X215			
T806	Xmt Amp (27MHz)	EA36X213			
T807	Xmt Amp (27MHz)	EA36X214			

GENERAL ELECTRIC MODEL 3-5871A

PARTS LIST AND DESCRIPTION (CONTINUED)

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

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	1.5A	.26	1.13mH	EA36X204 RB10(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.	
T701	3.9	1 2 8 23	EA64X34 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 @ 350mA AC	15.6V AC @ 1550mA DC	EA88X156 4-251RB15(1)			(1) Number on unit.

SPEAKER

ITEM No.	TYPE	REPLACEMENT DATA		NOTES
		MFGR. PART No.	QUAM PART No.	
SP	3" PM, 8 Ohms	EA95X124	30C25Z8R	

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
FI	2A Fast Acting	EA68X64		AGC2	HDJ	312002	150145	FG2-2

PARTS LIST AND DESCRIPTION (CONTINUED)

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

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	EA68X63	18-032	18-034	18-010	18-105	4	1	3	5	NC	1

MISCELLANEOUS

ITEM No.	PART NAME	PART No.	NOTES
F301	Filter	EA36X203	455kHz
F302	Filter	EA36X231	455kHz
J1	Jack	EA38X24	Antenna
J2	Jack	EA41X131	PA
J3	Jack	EA41X131	External Speaker
J4	Jack	EA41X168	Microphone
J5	Jack	EA41X169	Headphones
J6	Jack	EA41X162	DC Power
J7	Jack	EA41X170	AC Power
J8	Power Cord	EA68X58	DC Power
J9	Power Cord	EA66X43	AC Power
M1	Meter	EA62X160	S/RF
MS2	LED	EA16X304	Channel Readout
PL1	Lamp	EA41X73	Meter Illumination (13.70V @ 80mA)
PL2	Lamp	RV1153	Xmt Modulation (5.15V @ 25mA)
PL3	Lamp	EA6X30	On the air (13.09V @ 48mA)
SW1	Switch	EA39X242	ANL
SW2	Switch	EA55X138	Channel Selector
SW3	Switch	EA39X243	Delta Tune
SW4	Switch	EA39X242	PA/CB
X1	Crystal	EA75X12	10.240MHz (10.240MHz Oscillator)
X2	Crystal	EA75X13	11.750MHz (Down Oscillator)
X3	Crystal	EA75X14	9.785MHz (Xmt Oscillator)
	PLL Unit	EA93X303	
	Printed Circuit Board	EA93X306	Power Supply

GENERAL ELECTRIC MODEL 3-5871A

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

ITEM	PART No.	ITEM	PART No.
Panel Assembly, Front	EA90X197	Holder, Mic (Adhesive)	EA68X67
Cabinet Assembly, Top	EA98X513	Knob, Channel Selector	EA43X694
Foot, Cabinet	EA78X68	Knob, Volume/RF Gain	EA43X695
Holder, Mic (Standard)	EA68X65	Knob, Squelch	EA43X696
Holder, Mic (Magnetic)	EA68X66	Knob, Tone	EA43X697

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')