



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.



CHANNEL MASTER MODEL CB6835

MODEL CB6835

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

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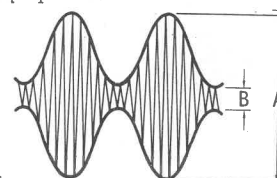
ALIGNMENT INSTRUCTIONS

CAUTION: Use isolation transformer or observe polarity when connecting test equipment. Maintain line voltage at 120V AC. Allow a 15-minute warm-up period. Adjustments made with 13.8-volt DC input. Connect low sides of test equipment to ground unless specified otherwise. Connect 50-ohm dummy load or antenna before keying transmitter. Connect microphone.

Suggested Alignment Tools:

L101, L102, T802, L501, L502, L901, L903 9440
T301 thru T304 5000, 5009, 8276, 8728, 8728A
T801, T803 thru T807 5000, 5009, 8276, 8728, 8728A
L905 9300, 9302, 9304
CT801 5000, 8276

GC ELECTRONICS:



$$\text{Modulation Ratio} = \frac{A - B}{A + B} \times 100 (\%)$$

FIGURE 1

SYNTHESIZER ALIGNMENT

TEST EQUIPMENT	TRANSCEIVER	ADJUST	REMARKS
Input of oscilloscope to TP7 (T801 Secondary).	Ch. 19	T801	Adjust for maximum RF (400mV p-p typical).
Input of frequency counter to TP7 (T801 Secondary).	Ch. 19		Check for 10.240MHz.
Input of DC meter to TP2 (Junction of R815 and R816).	Ch. 1	T802	Adjust for 1.50 volts. Check for approx. 3.70 volts on channel 40.
Input of frequency counter to TP3 (IC802 Pin 16).	Ch. 1		Check for 1.680MHz. Check all channels. (See Truth Chart for correct frequencies.)
Input of oscilloscope to TP4 (T803 Secondary).	Ch. 1	T803	Adjust for maximum RF (175mV p-p typical).
Input of frequency counter to TP4 (T803 Secondary).	Ch. 1, Delta Tune 0	CT801	Adjust for 36.750MHz. Check all channels. (See Truth Chart for correct frequencies.)
Input of oscilloscope to TP5 (T807 Secondary).	Ch. 19, XMT	T804, T805, T806, T807	Adjust for maximum RF (200mV p-p typical).
Input of frequency counter to TP5 (T807 Secondary).	Ch. 1, XMT		Check for 26.965MHz. If necessary readjust CT801 for correct frequency. Check all channels. (See Truth Chart for correct frequencies.)

RECEIVER ALIGNMENT

Connect an AC VTVM or AF wattmeter across speaker voice coil.

Adjust volume control to obtain a suitable indication. Set generator output low enough to prevent AGC limiting. Preset controls as follows, unless otherwise noted: Delta Tune 0, Squelch MINIMUM, ANL Off, RF Gain Maximum

TEST EQUIPMENT	TRANSCEIVER	ADJUST	REMARKS
Output of signal generator thru .01uF to TP6 (Q301 Base). 455kHz, 1000Hz @ 30% modulation.	Ch. 19	T304, T303	Adjust for maximum output.
Output of signal generator thru .01uF to antenna input. 27.185MHz, 1000Hz @ 30% modulation.	Ch. 19	T302, T301, L102, L101	Adjust for maximum output. Readjust T303 and T304 for maximum.
Output of signal generator thru .01uF to antenna input. 27.185MHz, 1000Hz @ 30% modulation. Output 1uV. Input of oscilloscope to TP8 (Q506 Gate). Inject a 100pps, 1uSec pulse with signal at antenna input.	Ch. 19, NB On	L501, L502	Adjust for maximum pulse amplitude. (170mV peak typical).

RECEIVER ADJUSTMENTS

Connect an AC VTVM or AF wattmeter across speaker voice coil.
Adjust volume control to obtain a suitable indication.
Preset controls as follows, unless otherwise noted:
Delta Tune 0, Squelch MINIMUM, ANL Off, RF Gain Maximum

TEST EQUIPMENT	TRANSCEIVER	ADJUST	REMARKS
No signal input. Input of DC meter to TP1	Ch. 19	VR1	AGC Adjust for 1.50 volts.
Output of signal generator thru .01uF to antenna input. 27.185MHz, 1000Hz @ 30% modulation. Output 200uV.	Ch. 19, Squelch Maximum	VR3	SQUELCH RANGE Adjust so squelch just breaks.
Output of signal generator thru .01uF to antenna input. 27.185MHz, 1000Hz @ 30% modulation. Output 100uV.	Ch. 19	VR4	RX SIGNAL METER Adjust for 9 on RX signal scale of meter.
Output of signal generator thru .01uF to antenna input. 27.185MHz, 1000Hz @ 30% modulation. Output 100uV.	Ch. 19, RF Gain MINIMUM Volume Maximum	VR10	RF GAIN RANGE Adjust for 2 volts audio.

TRANSMITTER ALIGNMENT

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

TEST EQUIPMENT	TRANSCEIVER	ADJUST	REMARKS
Input of RF wattmeter to antenna input.	Ch. 19	L901, L903	Adjust for maximum RF output.
Input of RF wattmeter to antenna input.	Ch. 19	L905	Adjust for 4.0 watts RF output maximum.
Input of spectrum analyzer or harmonic meter to antenna input.	Ch. 19	F901	Adjust for MINIMUM at 54MHz (2nd harmonic).

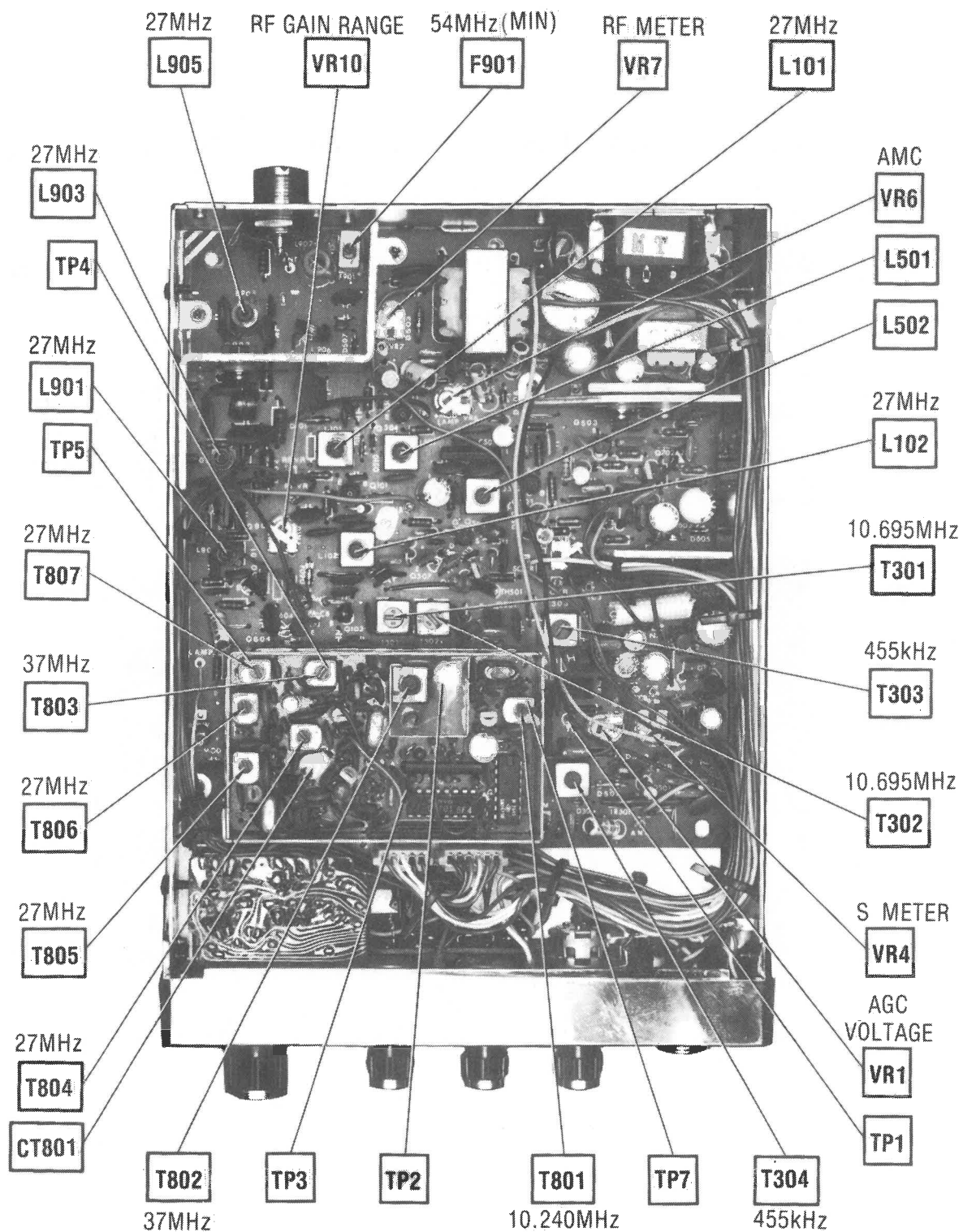
TRANSMITTER ADJUSTMENTS

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

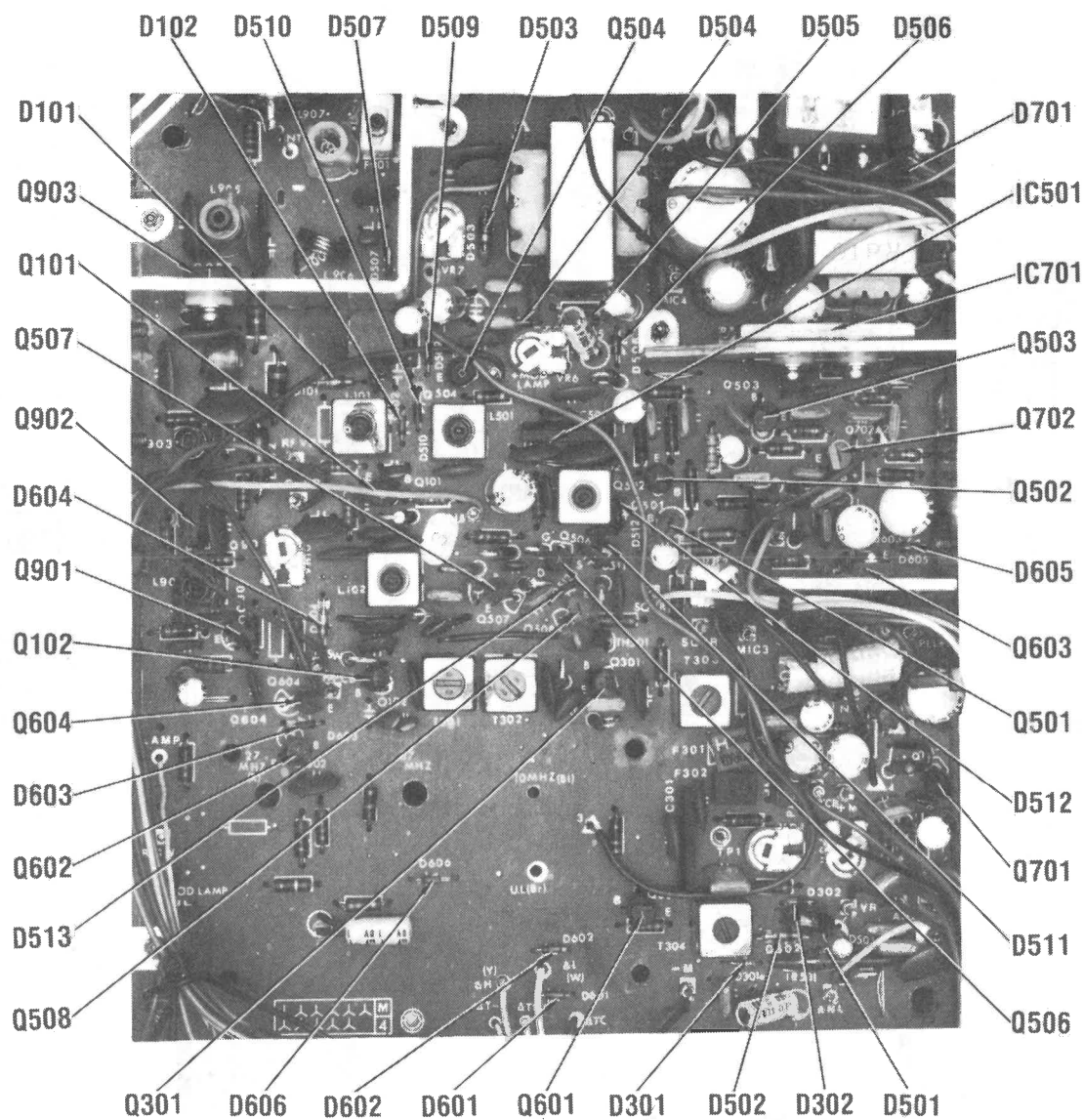
TEST EQUIPMENT	TRANSCEIVER	ADJUST	REMARKS
Input of oscilloscope or modula- tion meter to antenna input.	Ch. 19	VR6	AMC Adjust for 95 to 98% modulation maximum. (See Figure 1.)
Input of RF wattmeter to antenna input.	Ch. 19	VR7	TX POWER METER Adjust so TX Power Meter agrees with RF wattmeter.

TRUTH CHART

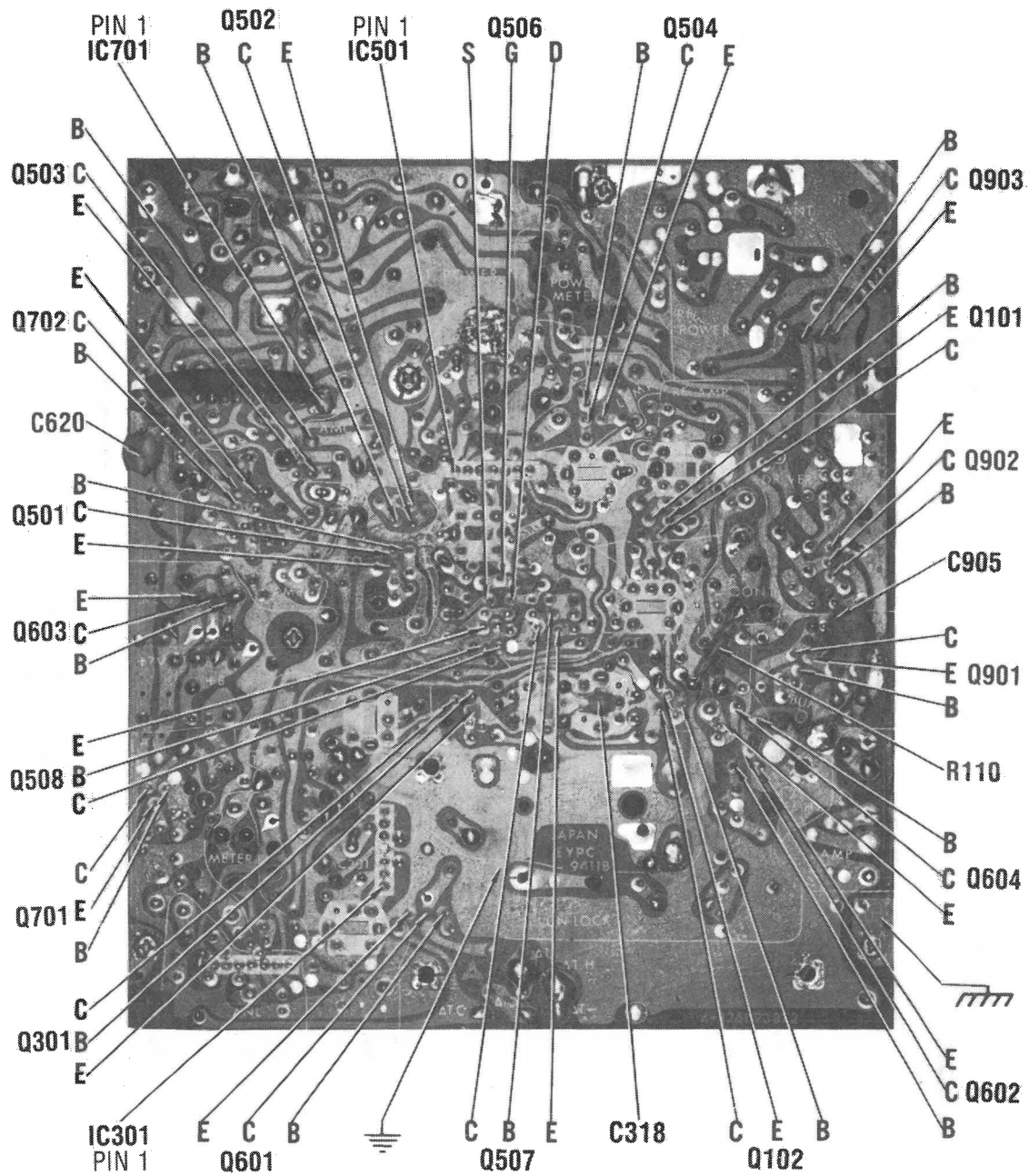
CHANNEL	1 = 7.00 Volts 0 = 0 Volts								DIVIDER INPUT IN MHz AT TP3	REC VCO OUTPUT IN MHz AT TP4	XMIT SYNTHESIZER OUTPUT IN MHz AT TP5
	CHANNEL INPUT CODES IC802										
	PINS										
	1	7	6	5	4	3	2				
1	1	1	1	1	1	0	1		1.680	36.750	26.965
2	1	1	1	1	1	0	0		1.690	36.760	26.975
3	1	1	1	1	0	1	1		1.700	36.770	26.985
4	1	1	1	1	0	0	1		1.720	36.790	27.005
5	1	1	1	1	0	0	0		1.730	36.800	27.015
6	1	1	1	0	1	1	1		1.740	36.810	27.025
7	1	1	1	0	1	1	0		1.750	36.820	27.035
8	1	1	1	0	1	0	0		1.770	36.840	27.055
9	1	1	1	0	0	1	1		1.780	36.850	27.065
10	1	1	1	0	0	1	0		1.790	36.860	27.075
11	1	1	1	0	0	0	1		1.800	36.870	27.085
12	1	1	0	1	1	1	1		1.820	36.890	27.105
13	1	1	0	1	1	1	0		1.830	36.900	27.115
14	1	1	0	1	1	0	1		1.840	36.910	27.125
15	1	1	0	1	1	0	0		1.850	36.920	27.135
16	1	1	0	1	0	1	0		1.870	36.940	27.155
17	1	1	0	1	0	0	1		1.880	36.950	27.165
18	1	1	0	1	0	0	0		1.890	36.960	27.175
19	1	1	0	0	1	1	1		1.900	36.970	27.185
20	1	1	0	0	1	0	1		1.920	36.990	27.205
21	1	1	0	0	1	0	0		1.930	37.000	27.215
22	1	1	0	0	0	1	1		1.940	37.010	27.225
23	1	1	0	0	0	0	0		1.970	37.040	27.255
24	1	1	0	0	0	1	0		1.950	37.020	27.235
25	1	1	0	0	0	0	1		1.960	37.030	27.245
26	1	0	1	1	1	1	1		1.980	37.050	27.265
27	1	0	1	1	1	1	0		1.990	37.060	27.275
28	1	0	1	1	1	0	1		2.000	37.070	27.285
29	1	0	1	1	1	0	0		2.010	37.080	27.295
30	1	0	1	1	0	1	1		2.020	37.090	27.305
31	1	0	1	1	0	1	0		2.030	37.100	27.315
32	1	0	1	1	0	0	1		2.040	37.110	27.325
33	1	0	1	1	0	0	0		2.050	37.120	27.335
34	1	0	1	0	1	1	1		2.060	37.130	27.345
35	1	0	1	0	1	1	0		2.070	37.140	27.355
36	1	0	1	0	1	0	1		2.080	37.150	27.365
37	1	0	1	0	1	0	0		2.090	37.160	27.375
38	1	0	1	0	0	1	1		2.100	37.170	27.385
39	1	0	1	0	0	1	0		2.110	37.180	27.395
40	1	0	1	0	0	0	1		2.120	37.190	27.405



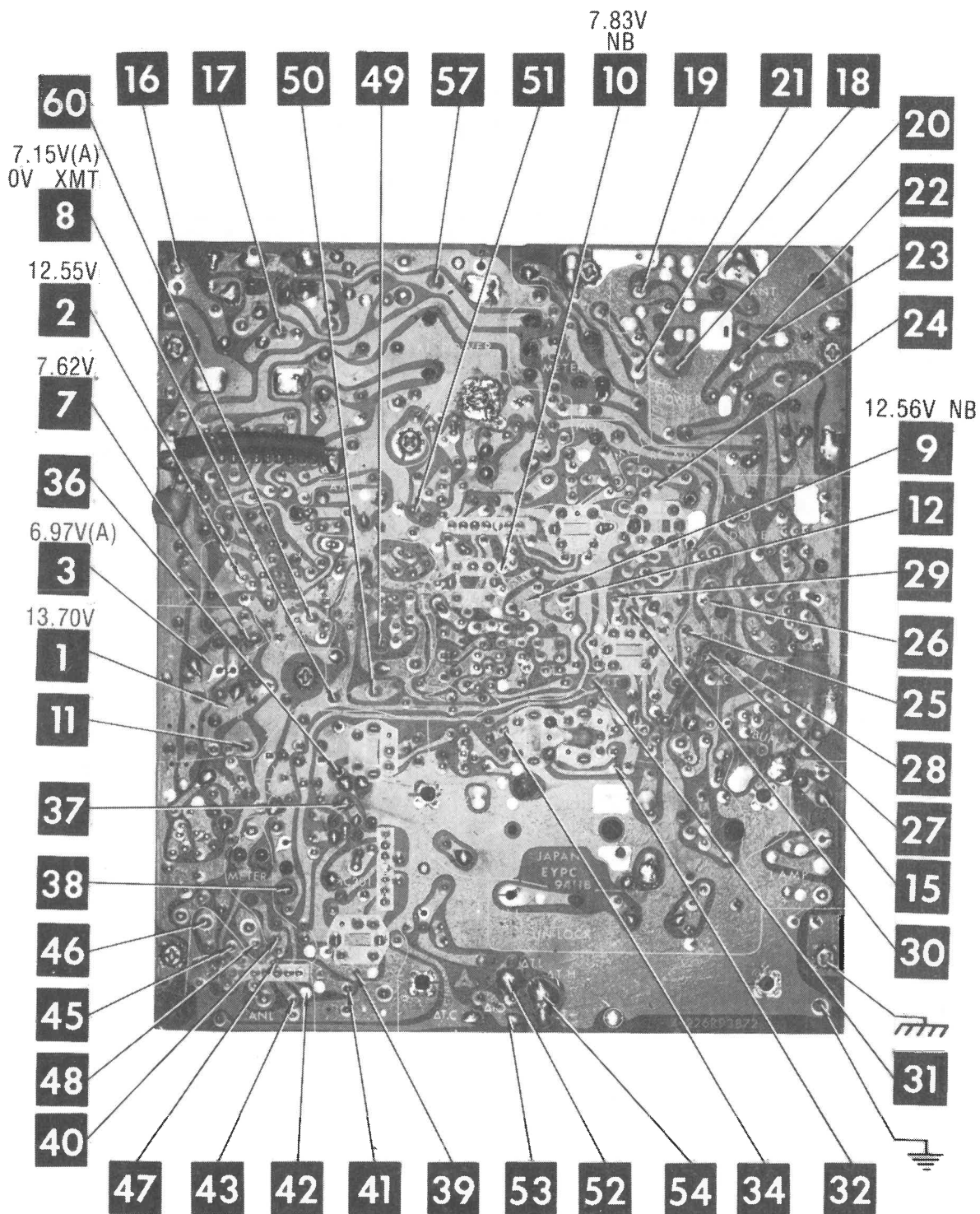
CHASSIS-BOTTOM



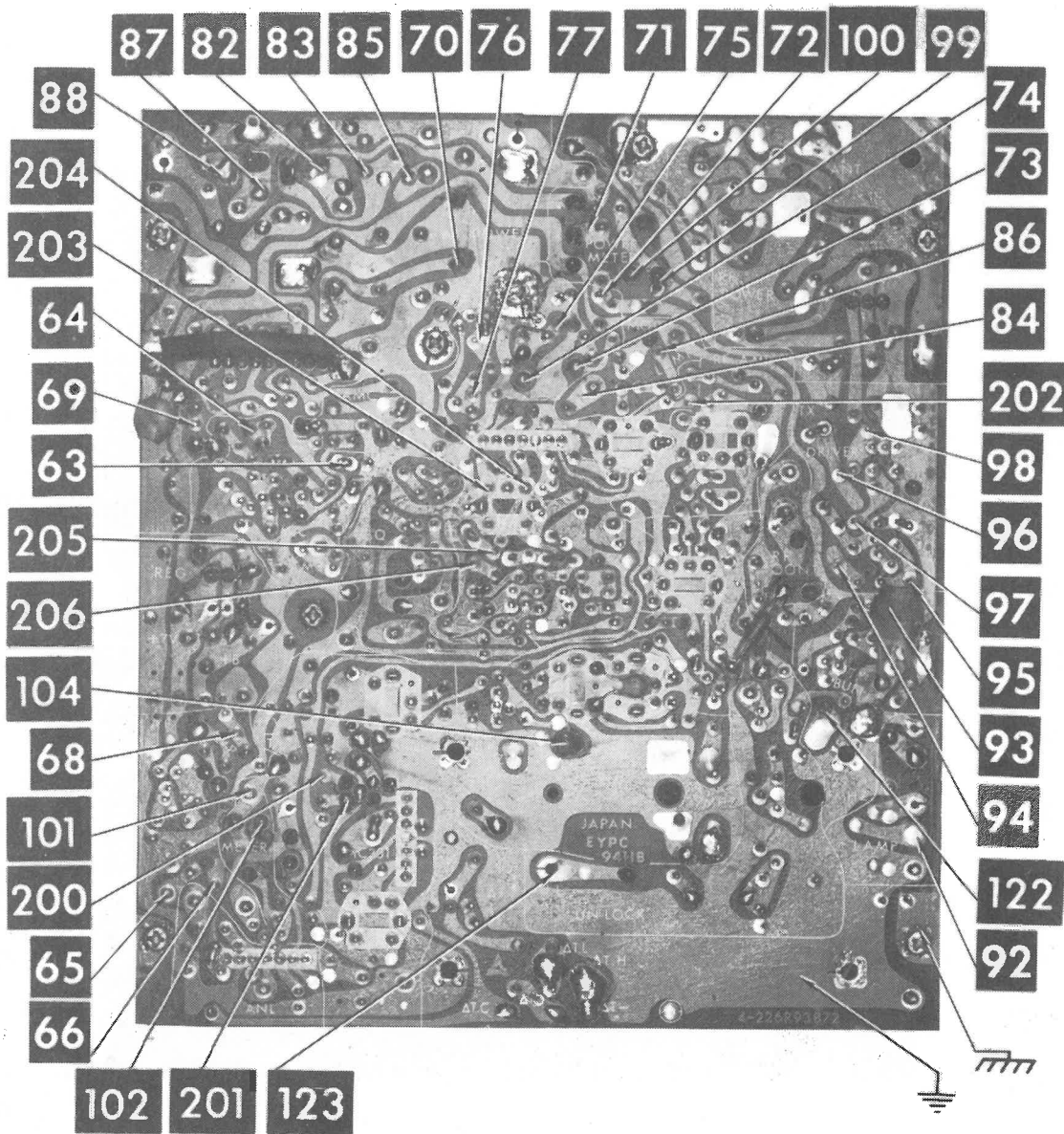
MAIN BOARD



MAIN BOARD

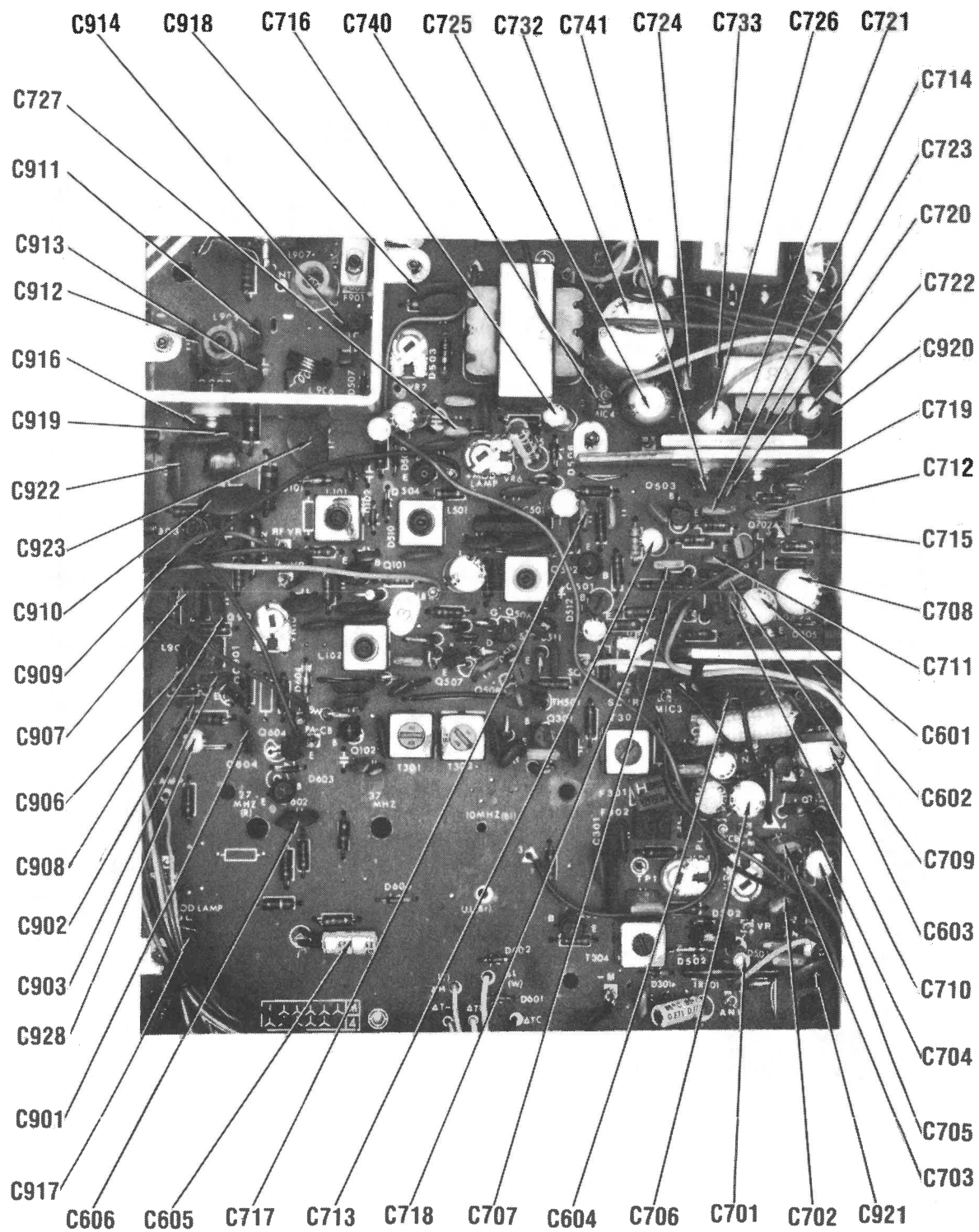


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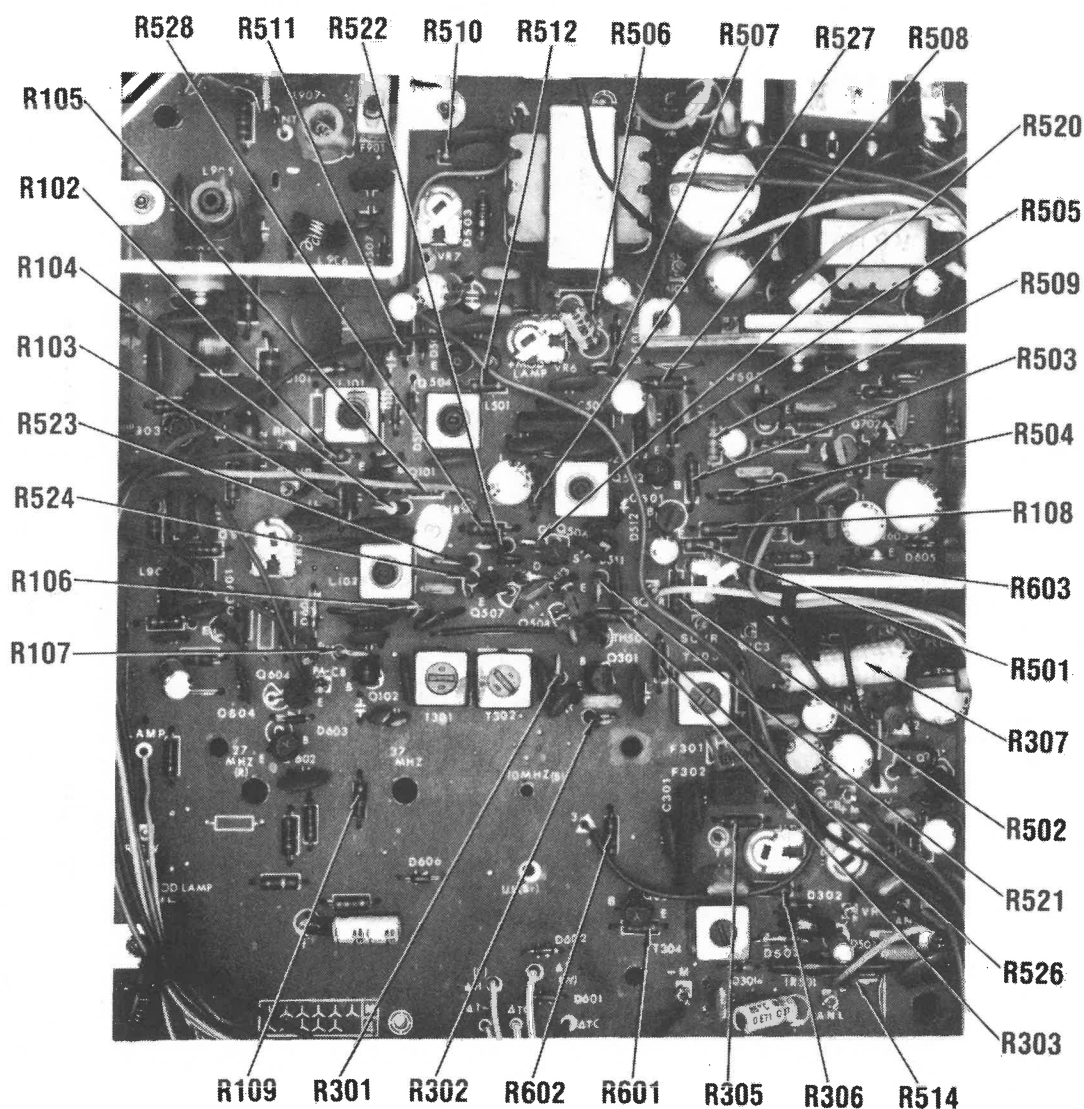


CHANNEL MASTER MODEL CB6835

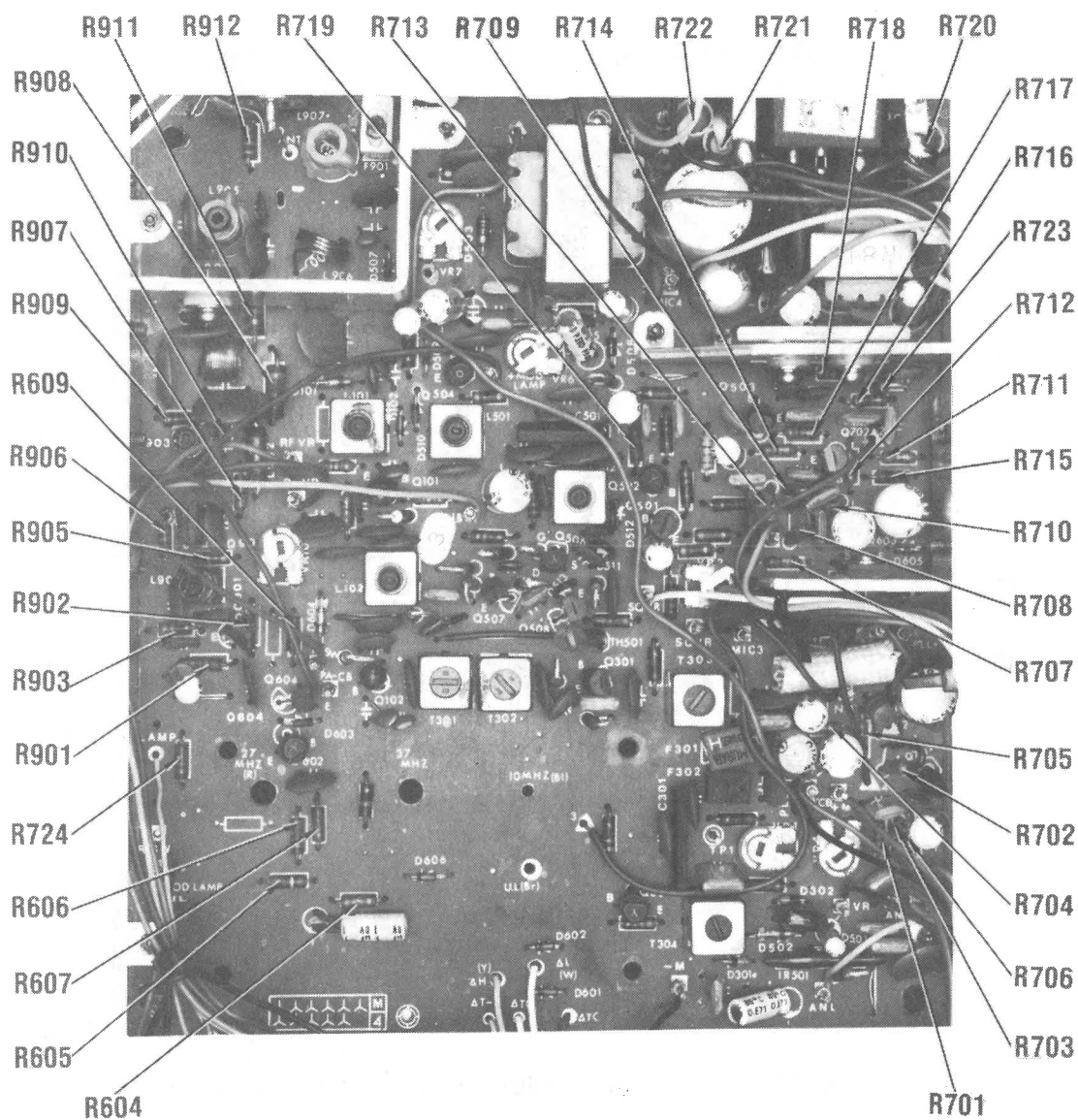
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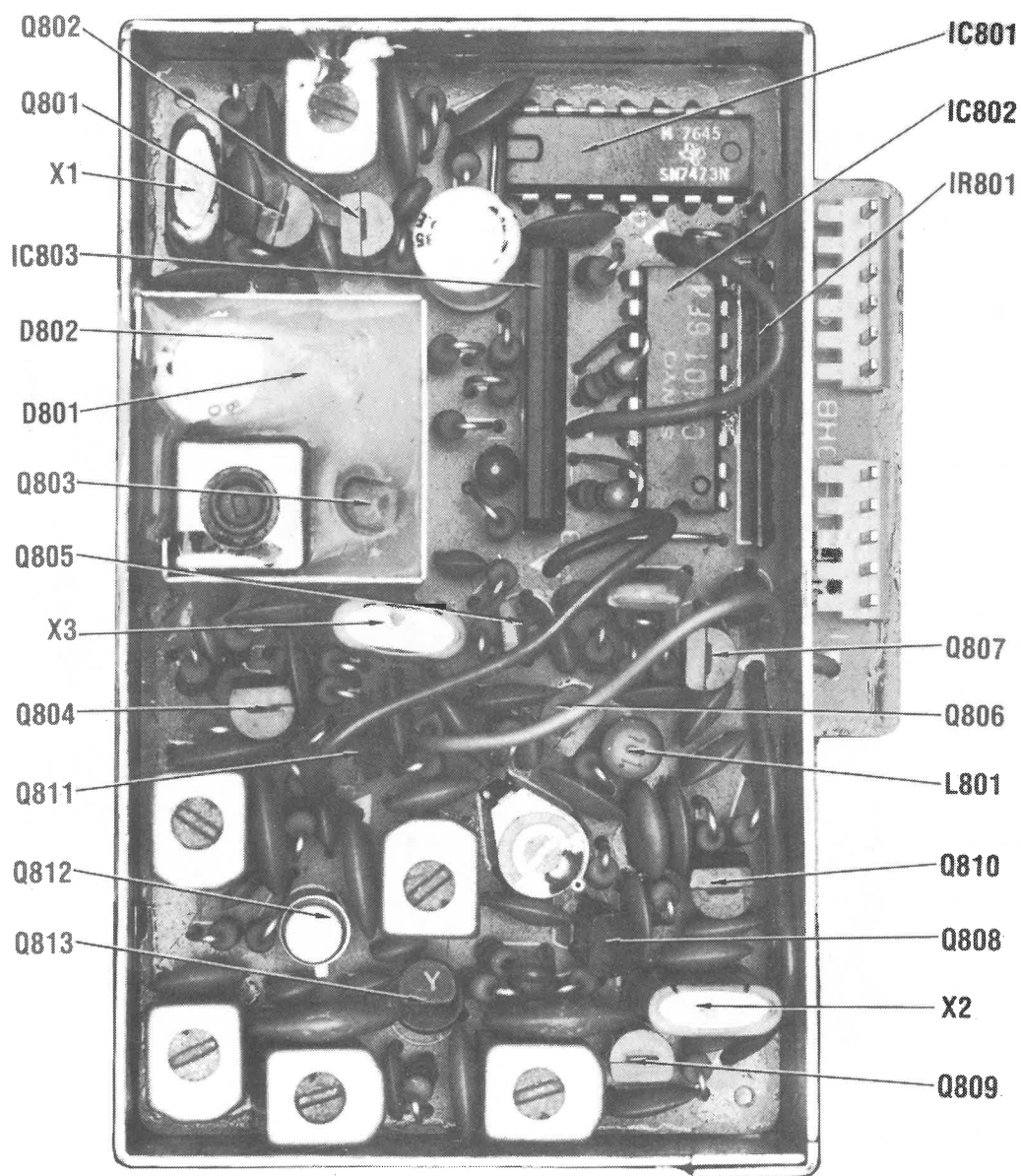
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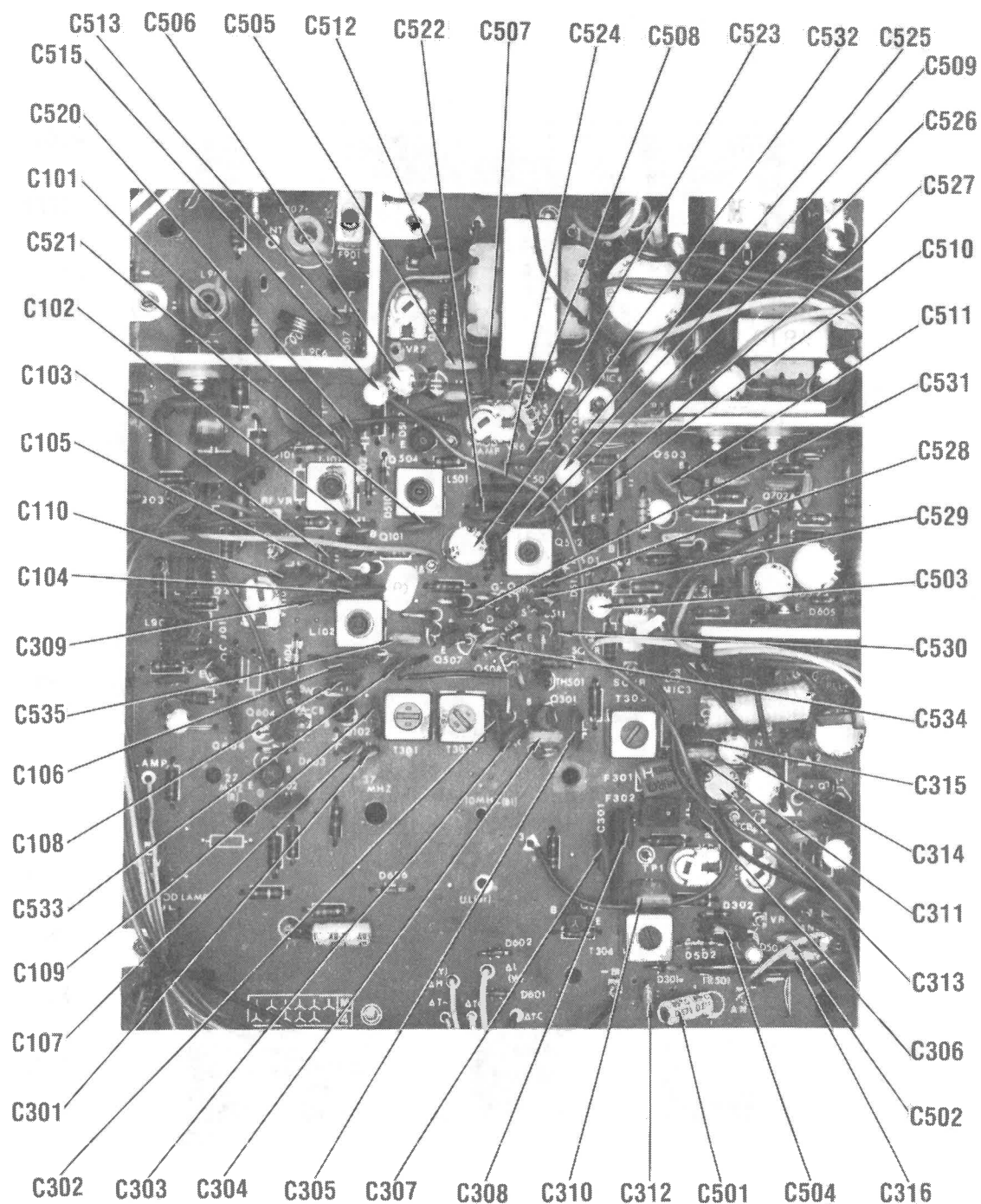
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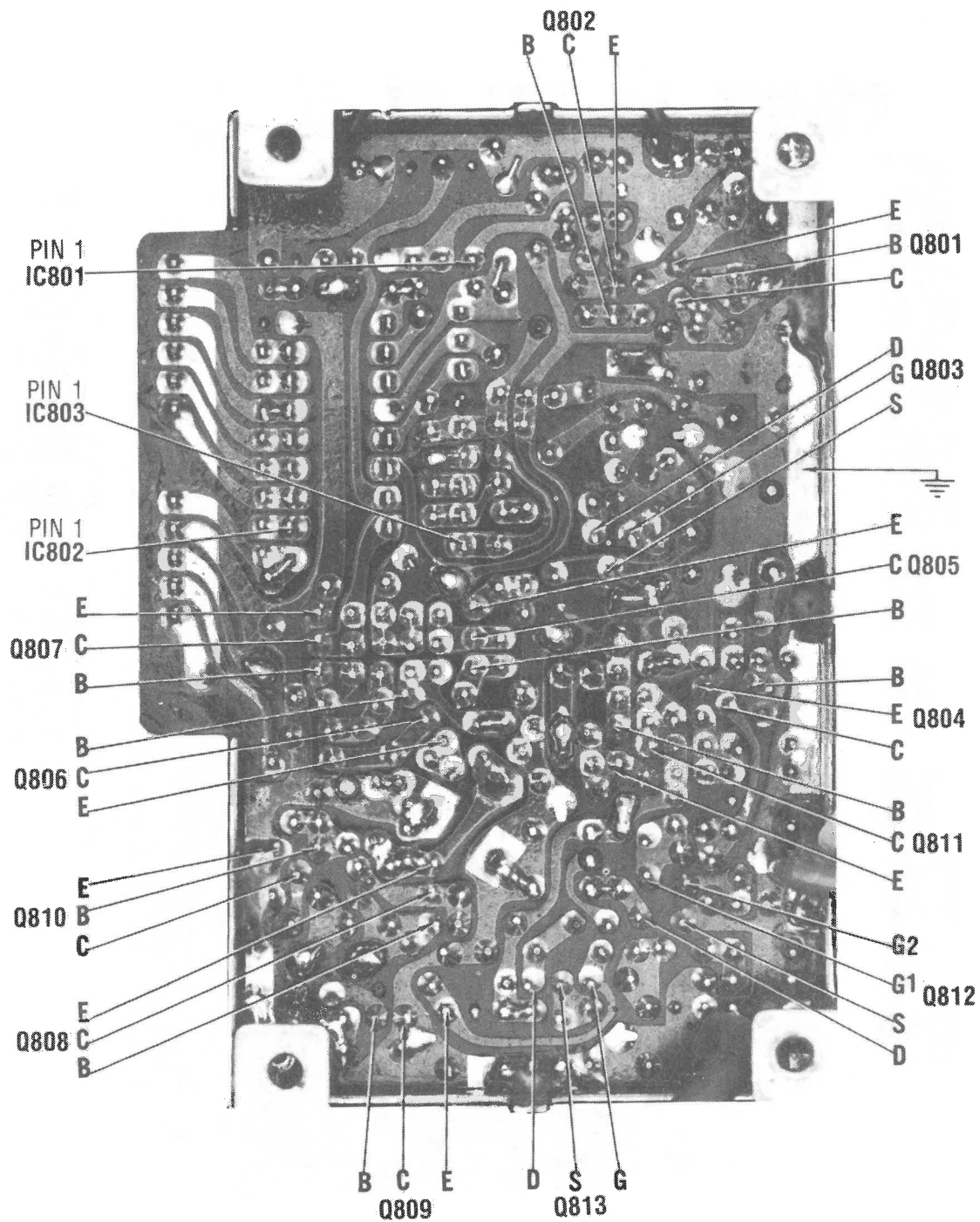
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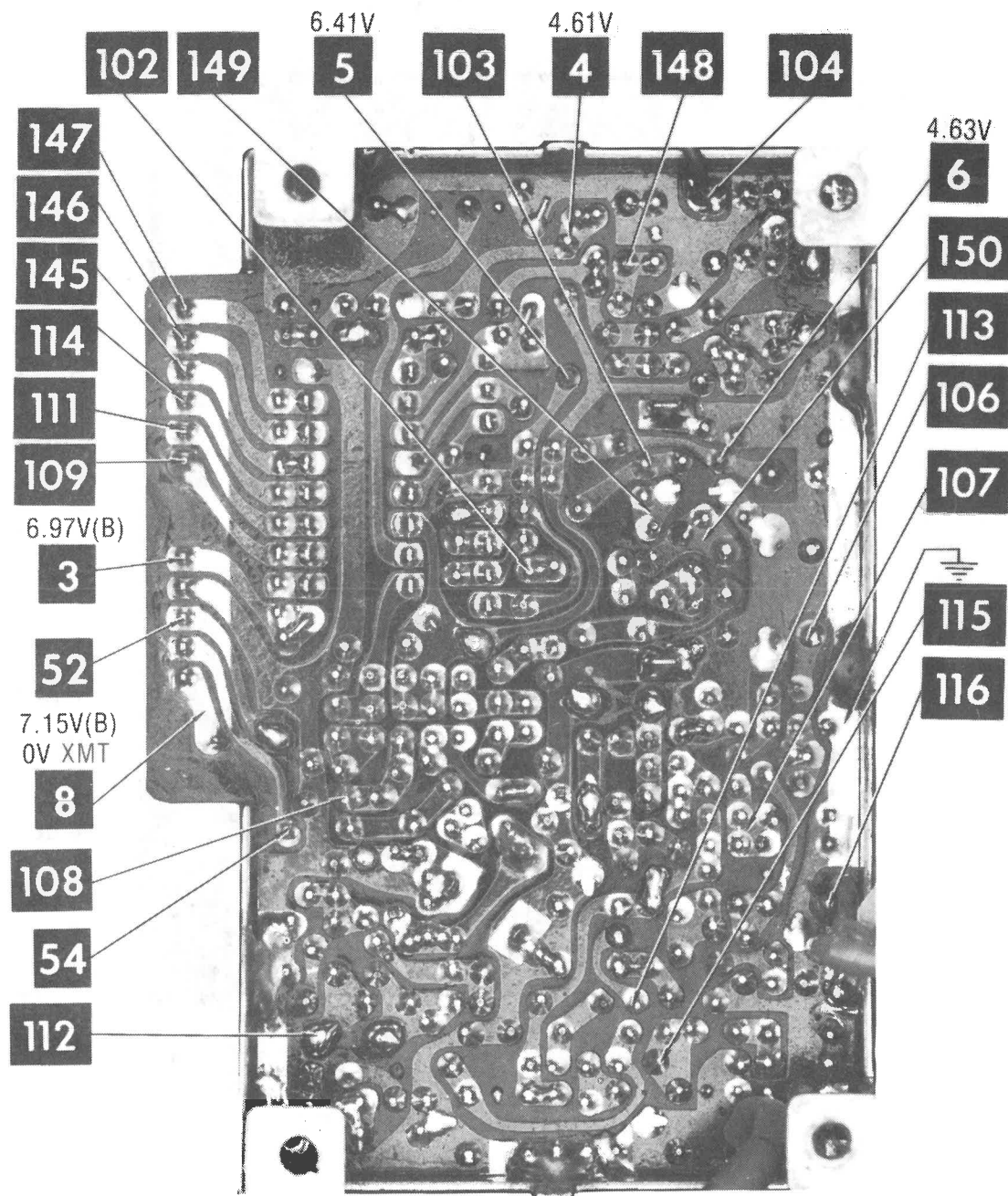
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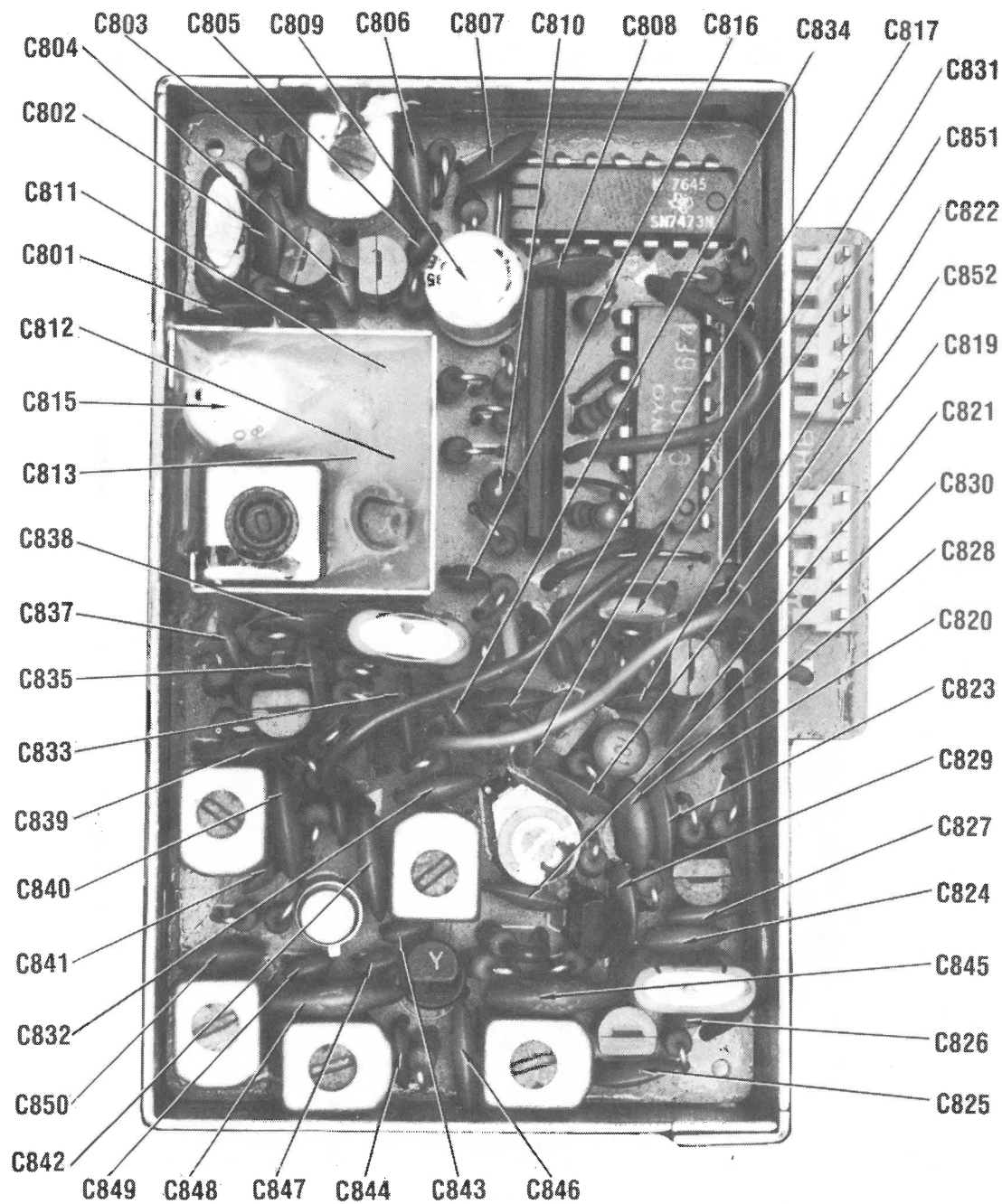
PLL BOARD



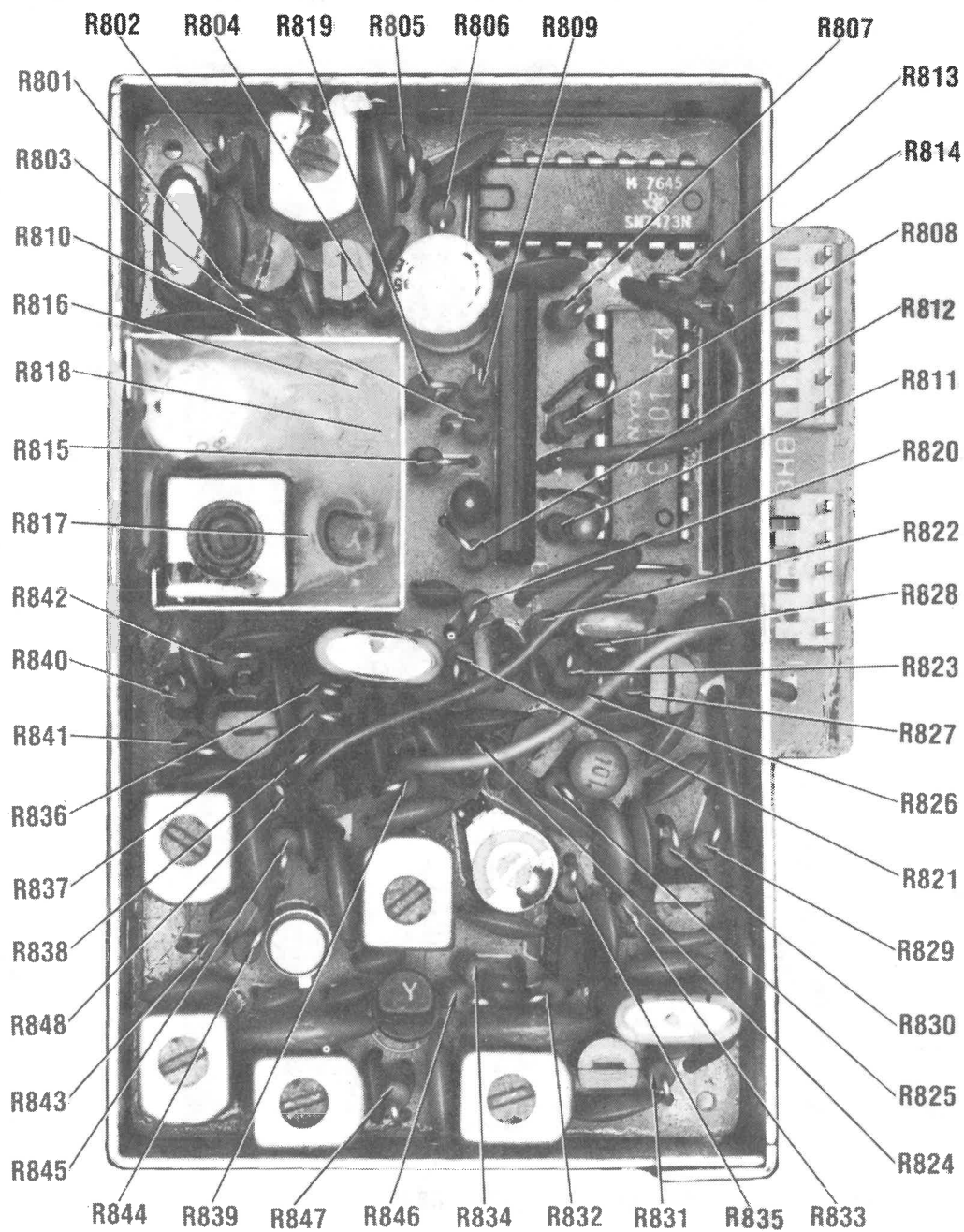
PLL BOARD



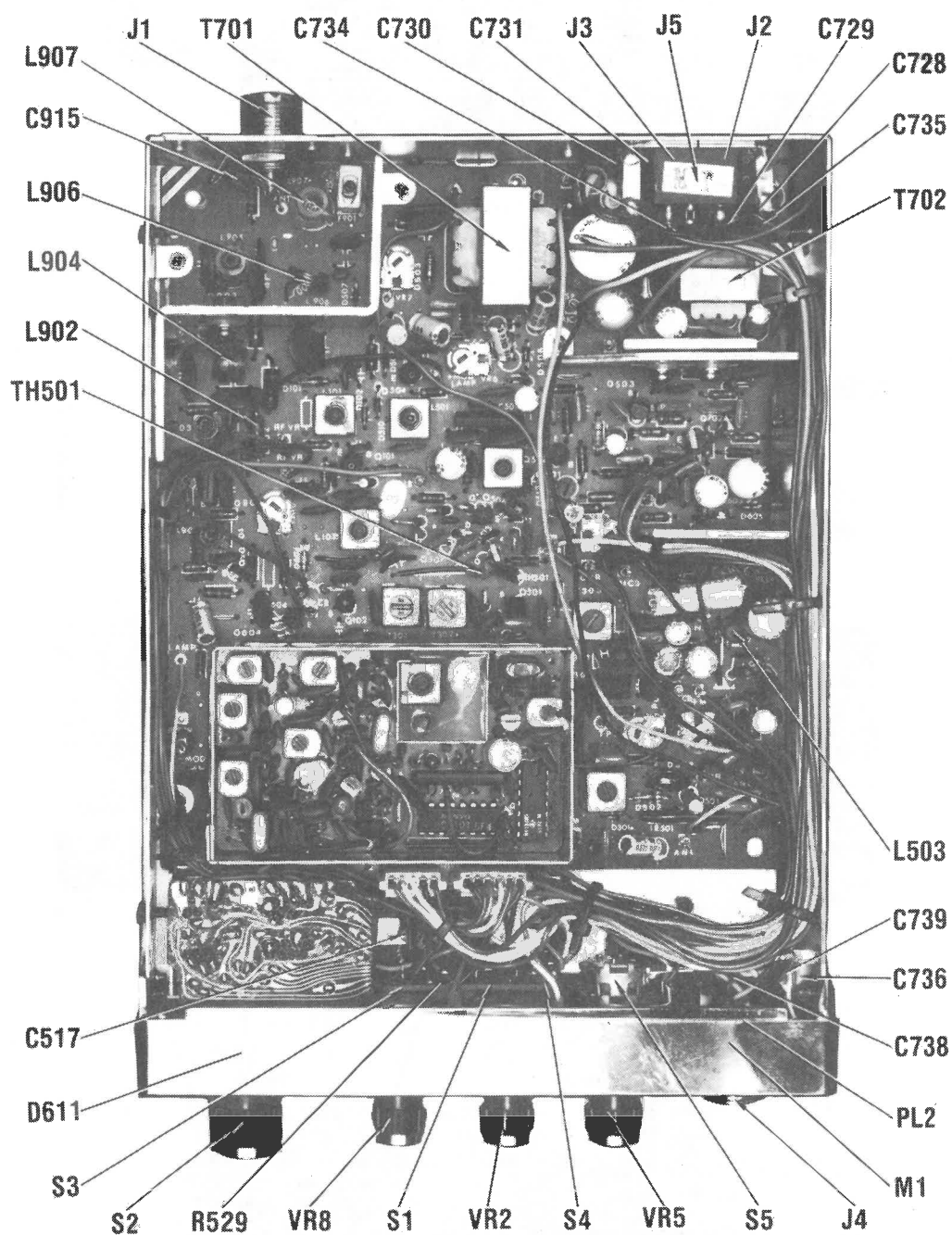
PLL BOARD



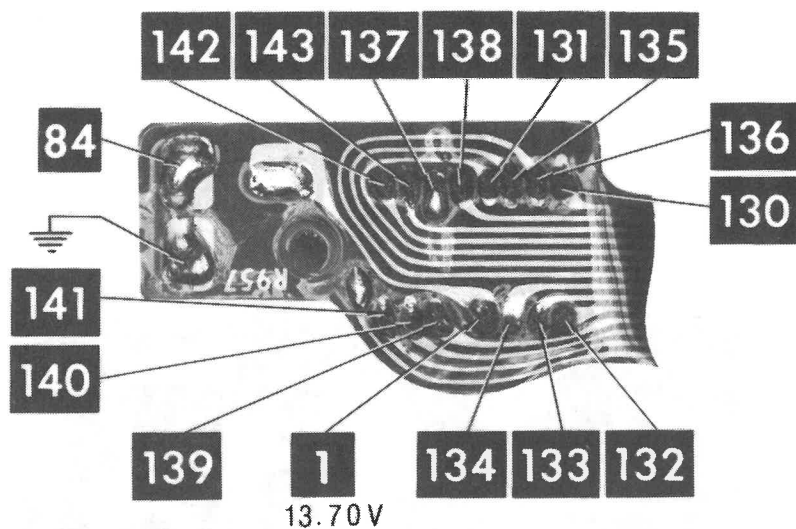
PLL BOARD



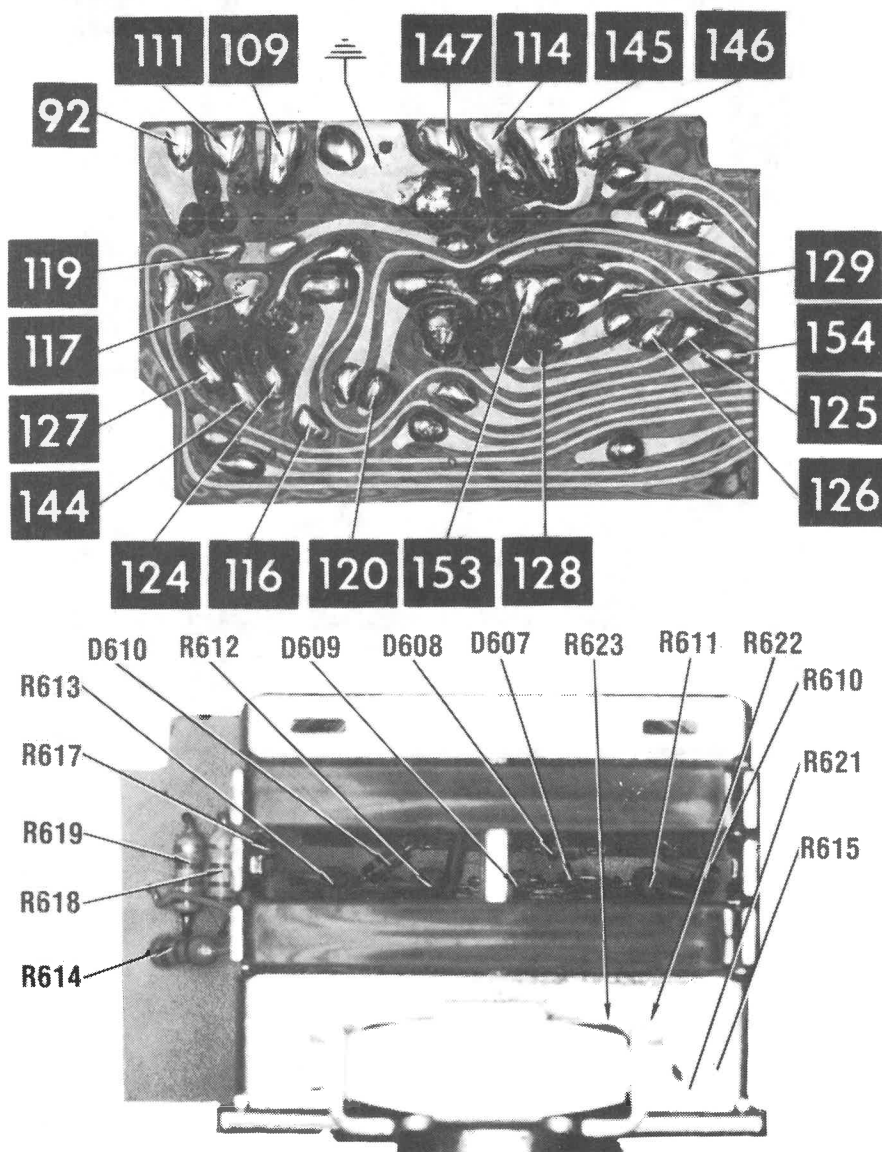
PLL BOARD



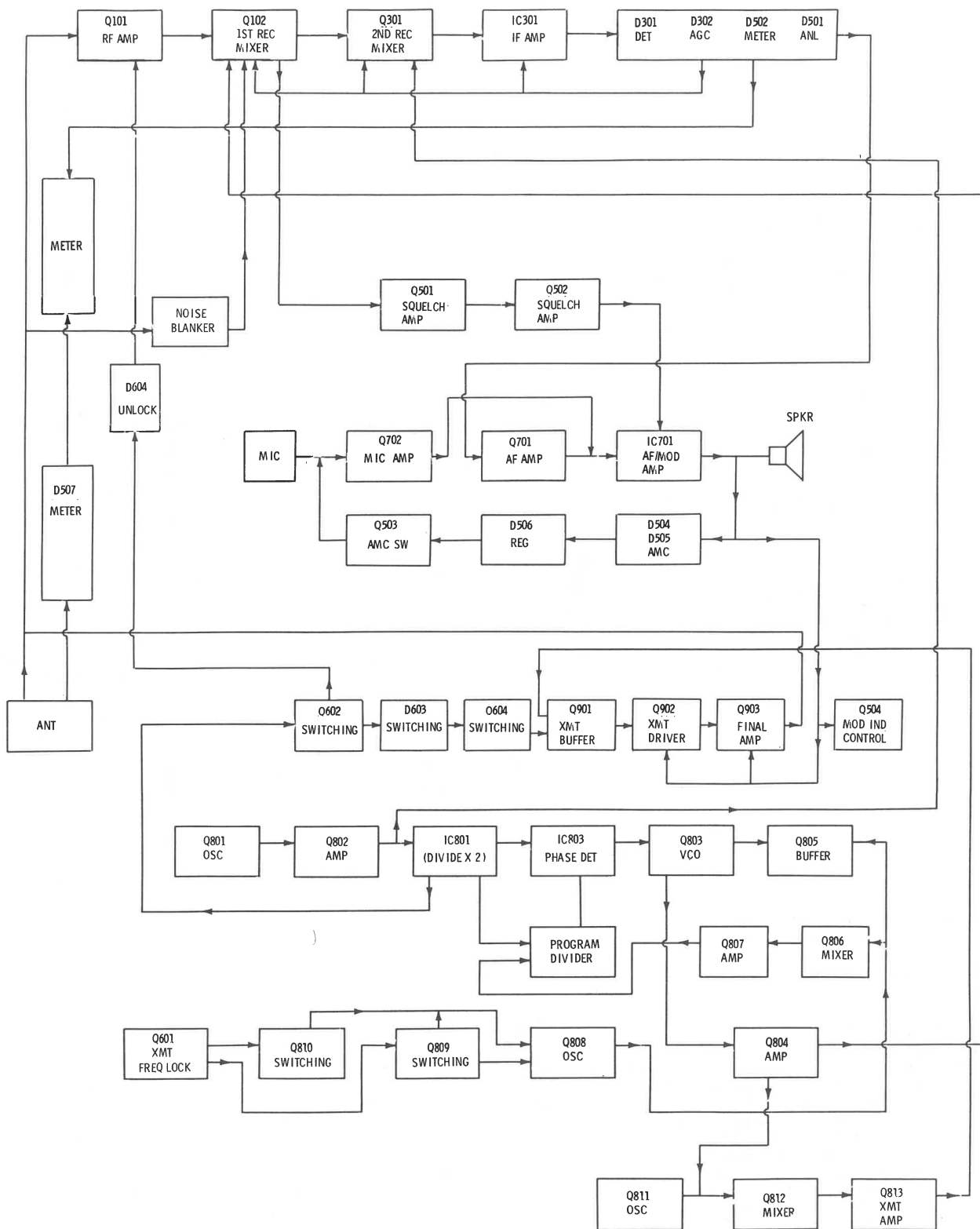
CHASSIS-BOTTOM



LED READOUT BOARD

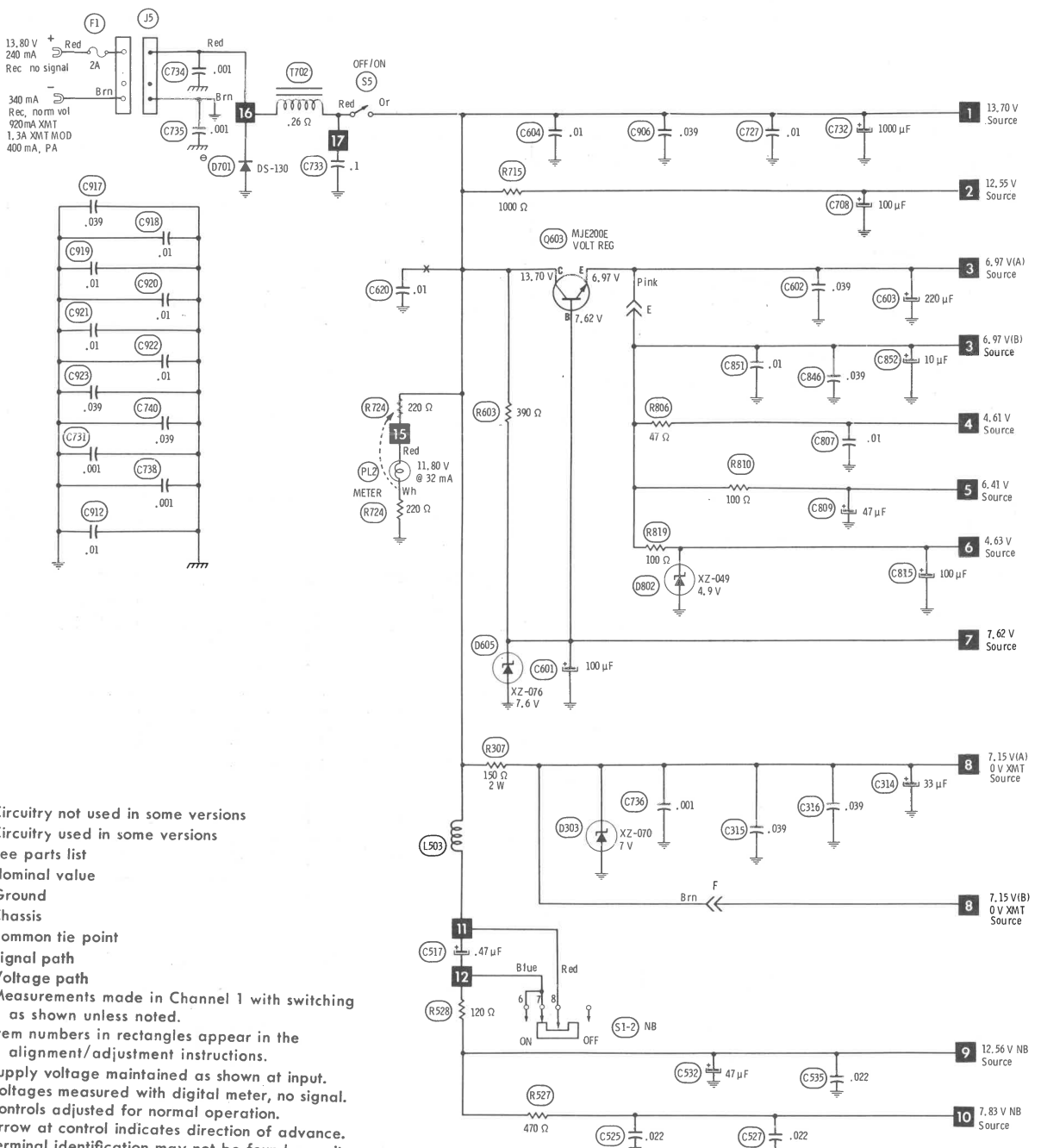
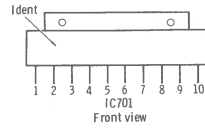
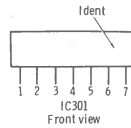
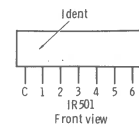
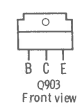
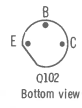
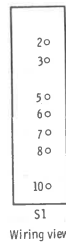


CHANNEL SWITCH BOARD



BLOCK DIAGRAM

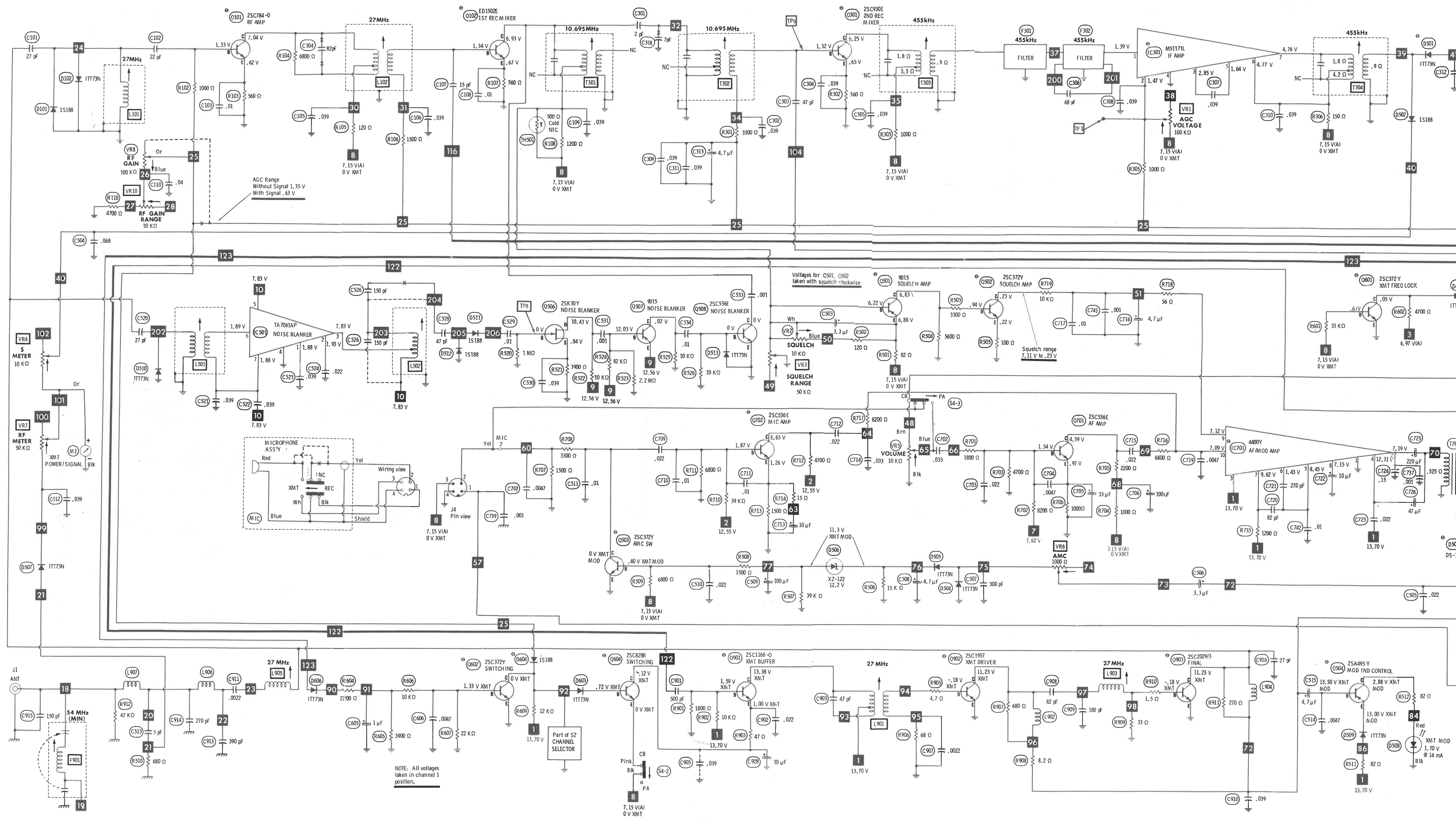
Terminal Guides



- Circuitry not used in some versions
 - - - Circuitry used in some versions
 - ⊙ See parts list
 - ⊗ Nominal value
 - ⊥ Ground
 - ⏏ Chassis
 - ▽ Common tie point
 - Signal path
 - ↗ Voltage path
- Measurements made in Channel 1 with switching as shown unless noted.
- Item numbers in rectangles appear in the alignment/adjustment instructions.
- Supply voltage maintained as shown at input.
- Voltages measured with digital meter, no signal.
- Controls adjusted for normal operation.
- Arrow at control indicates direction of advance.
- Terminal identification may not be found on unit.
- Resistors are 1/2W or less, 5% unless noted.
- Value in () used in some versions.

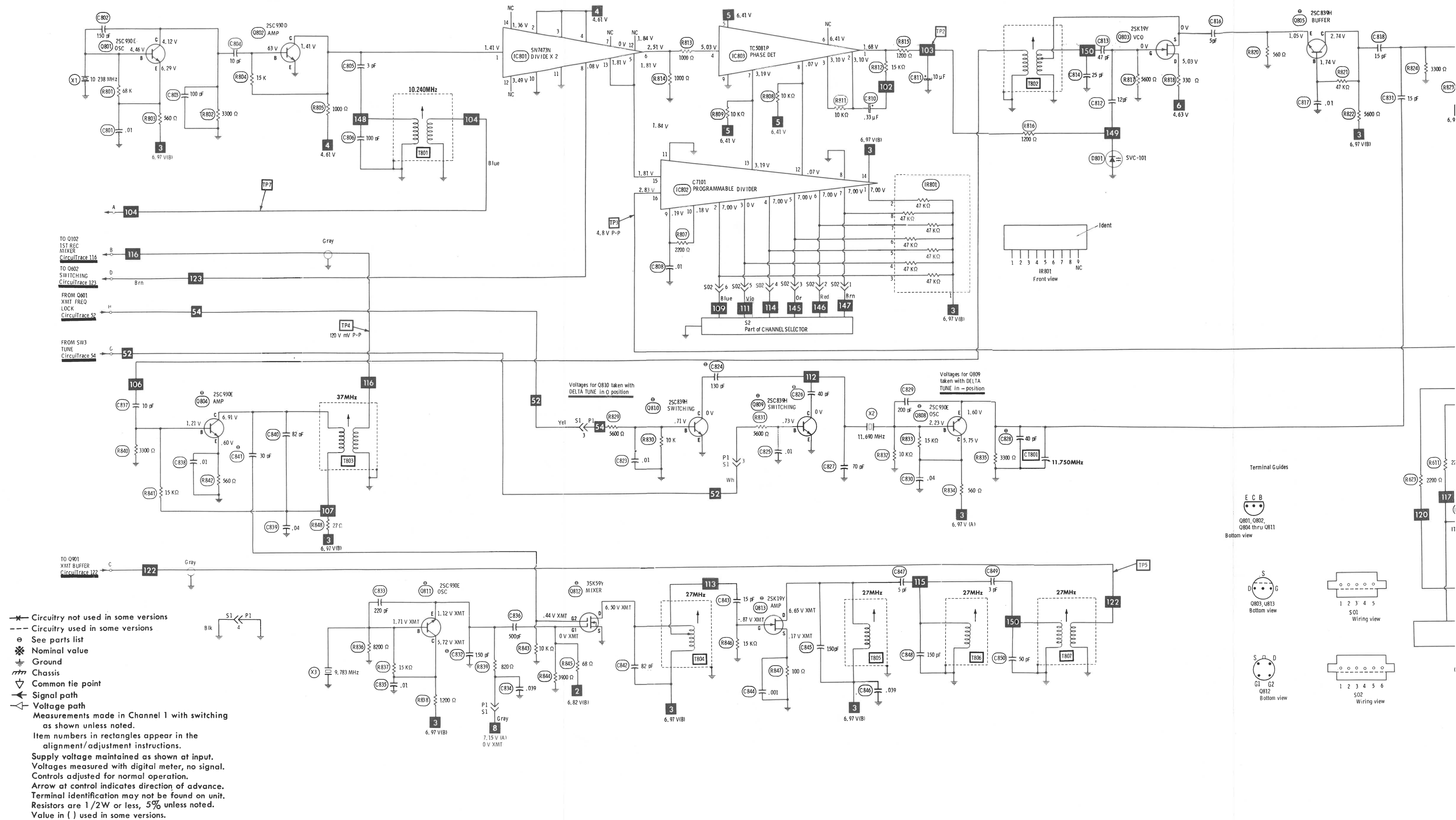
A PHOTOFAC STANDARD NOTATION SCHEMATIC
WITH **CIRCUITRACE**
© Howard W. Sams & Co., Inc. 1979

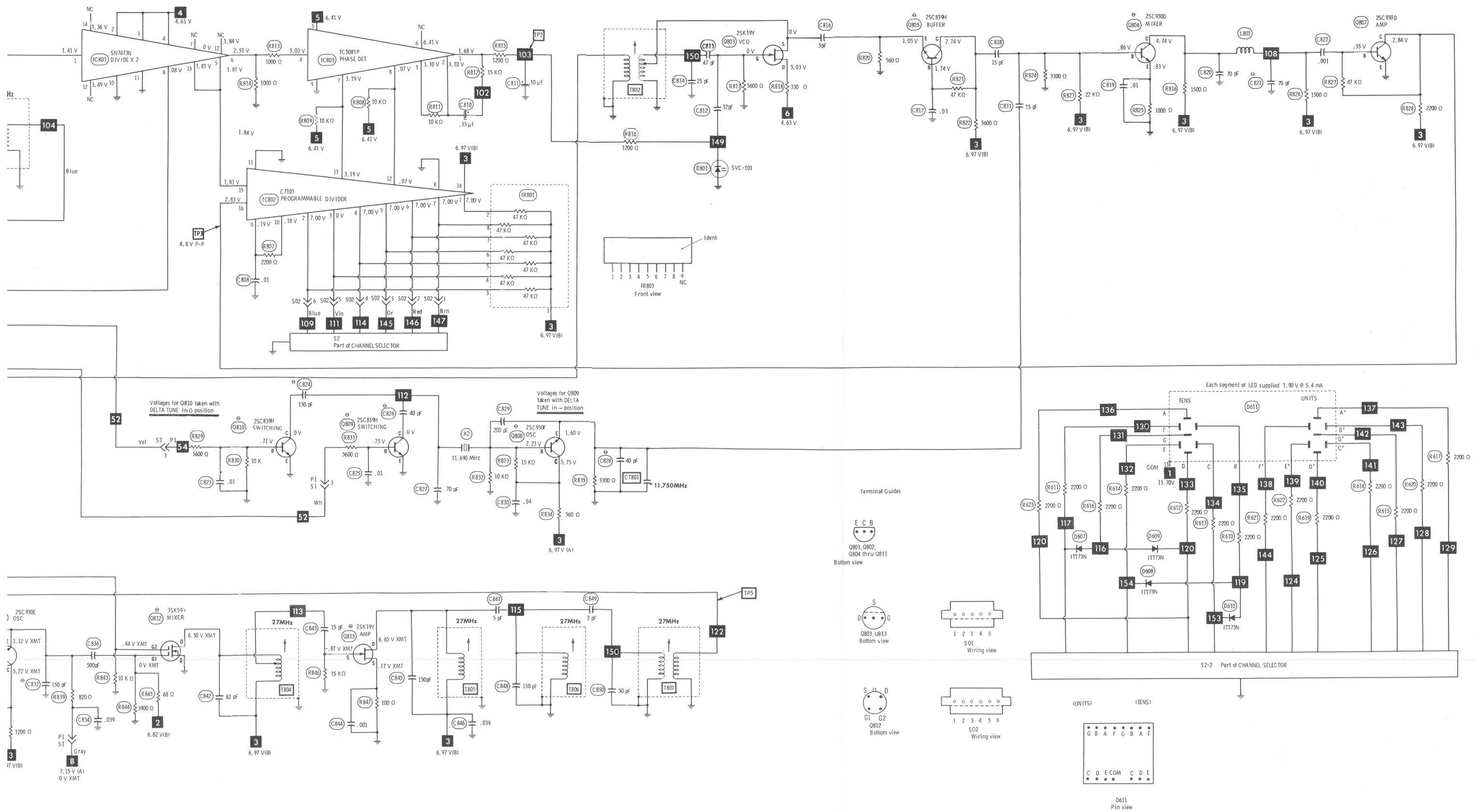
POWER SUPPLY SCHEMATIC



MAIN CB SCHEMATIC







PLL & CHANNEL SELECTOR SCHEMATIC

PARTS LIST AND DESCRIPTION

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

SEMICONDUCTORS (Select replacement transistor for best results)

ITEM No.	TYPE No.	MFRG. 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 1S188FMA		1N34AS 1N34AS	PTC207 PTC207	HEPR9134A HEPR9134A	REN 109 REN 109	SK3087 SK3087	RT-200 RT-200	ECG109 ECG109	TM109/** TM109/**	WEP134 WEP134	103-Z9001 103-Z9001
D102	1T773N 1S1588		GE-514 GE-514	PTC214 PTC214	HEPR9137 HEPR9137	REN 177 REN 177	SK3100 SK3100	RT-218 RT-218	ECG519 ECG519	TM519 TM519	WEP925 WEP925	103-287 103-287
D301	1T773N		GE-514	PTC214	HEPR9137	REN 177	SK3100	RT-218	ECG519	TM519	WEP925	103-287
D302	1T773N		GE-514	PTC214	HEPR9137	REN 177	SK3100	RT-218	ECG519	TM519	WEP925	103-287
	1S1588		GE-514	PTC214	HEPR9137	REN 177	SK3100	RT-218	ECG519	TM519	WEP925	103-287
D303	XZ-070		GEZD-6.8	ZB6.8A	HEPZ0409	REN 5071	SK3334	RT-238	ECG5071	TM5071/**	WEP1106	
D501	1T773N		GE-514	PTC214	HEPR9137	REN 177	SK3100	RT-218	ECG519	TM519	WEP925	103-287
D502	1S188		1N34AS	PTC207	HEPR9134A	REN 109	SK3087	RT-200	ECG109	TM109/**	WEP134	103-Z9001
	1S188FMA		1N34AS	PTC207	HEPR9134A	REN 109	SK3087	RT-200	ECG109	TM109/**	WEP134	103-Z9001
D503	DS-130		GE-504A	PTC201	HEPR0052	REN 116	SK3311	RT-213	ECG116	TM116	WEP156	212-76-02
	DS-130E		GE-504A	PTC201	HEPR0052	REN 116	SK3311	RT-213	ECG116	TM116	WEP156	212-76-02
D504	1T773N		GE-514	PTC214	HEPR9137	REN 177	SK3100	RT-218	ECG519	TM519	WEP925	103-287
D505	1T773N		GE-514	PTC214	HEPR9137	REN 177	SK3100	RT-218	ECG519	TM519	WEP925	103-287
	1S1588		GE-514	PTC214	HEPR9137	REN 177	SK3100	RT-218	ECG519	TM519	WEP925	103-287
D506	XZ-122		GEZD-12	ZB12A	HEPZ0415	REN 142	SK3062	RT-243	ECG142	TM142/**	WEP1112	103-Z9003
D507	1T773N		GE-514	PTC214	HEPR9137	REN 177	SK3100	RT-218	ECG519	TM519	WEP925	103-287
	1S1588		GE-514	PTC214	HEPR9137	REN 177	SK3100	RT-218	ECG519	TM519	WEP925	103-287
D509	1T773N		GE-514	PTC214	HEPR9137	REN 177	SK3100	RT-218	ECG519	TM519	WEP925	103-287
	1S1588		GE-514	PTC214	HEPR9137	REN 177	SK3100	RT-218	ECG519	TM519	WEP925	103-287
D510	1T773N		GE-514	PTC214	HEPR9137	REN 177	SK3100	RT-218	ECG519	TM519	WEP925	103-287
	1S1588		GE-514	PTC214	HEPR9137	REN 177	SK3100	RT-218	ECG519	TM519	WEP925	103-287
D511	1S188		1N34AS	PTC207	HEPR9134A	REN 109	SK3087	RT-200	ECG109	TM109/**	WEP134	103-Z9001
	1S188FMA		1N34AS	PTC207	HEPR9134A	REN 109	SK3087	RT-200	ECG109	TM109/**	WEP134	103-Z9001
D512	1S188		1N34AS	PTC207	HEPR9134A	REN 109	SK3087	RT-200	ECG109	TM109/**	WEP134	103-Z9001
	1S188FMA		1N34AS	PTC207	HEPR9134A	REN 109	SK3087	RT-200	ECG109	TM109/**	WEP134	103-Z9001
D513	1T773N		GE-514	PTC214	HEPR9137	REN 177	SK3100	RT-218	ECG519	TM519	WEP925	103-287
	1S1588		GE-514	PTC214	HEPR9137	REN 177	SK3100	RT-218	ECG519	TM519	WEP925	103-287
D601	1T773N		GE-514	PTC214	HEPR9137	REN 177	SK3100	RT-218	ECG519	TM519	WEP925	103-287
	1S1588		GE-514	PTC214	HEPR9137	REN 177	SK3100	RT-218	ECG519	TM519	WEP925	103-287
D602	1T773N		GE-514	PTC214	HEPR9137	REN 177	SK3100	RT-218	ECG519	TM519	WEP925	103-287
	1S1588		GE-514	PTC214	HEPR9137	REN 177	SK3100	RT-218	ECG519	TM519	WEP925	103-287
D603	1T773N		GE-514	PTC214	HEPR9137	REN 177	SK3100	RT-218	ECG519	TM519	WEP925	103-287
	1S1588		GE-514	PTC214	HEPR9137	REN 177	SK3100	RT-218	ECG519	TM519	WEP925	103-287
D604	1S188		1N34AS	PTC207	HEPR9134A	REN 109	SK3087	RT-200	ECG109	TM109/**	WEP134	103-Z9001
	1S188FMA		1N34AS	PTC207	HEPR9134A	REN 109	SK3087	RT-200	ECG109	TM109/**	WEP134	103-Z9001
D605	XZ-076		GEZD-7.5	ZB7.5B	HEPZ0405	REN 138	SK3059	RT-239	ECG138A	TM138/**	WEP1107	103-Z9002
D606	1T773N		GE-514	PTC214	HEPR9137	REN 177	SK3100	RT-218	ECG519	TM519	WEP925	103-287
	1S1588		GE-514	PTC214	HEPR9137	REN 177	SK3100	RT-218	ECG519	TM519	WEP925	103-287
D607	1T773N		GE-514	PTC214	HEPR9137	REN 177	SK3100	RT-218	ECG519	TM519	WEP925	103-287
	1S1588		GE-514	PTC214	HEPR9137	REN 177	SK3100	RT-218	ECG519	TM519	WEP925	103-287
D608	1T773N		GE-514	PTC214	HEPR9137	REN 177	SK3100	RT-218	ECG519	TM519	WEP925	103-287
	1S1588		GE-514	PTC214	HEPR9137	REN 177	SK3100	RT-218	ECG519	TM519	WEP925	103-287
D609	1T773N		GE-514	PTC214	HEPR9137	REN 177	SK3100	RT-218	ECG519	TM519	WEP925	103-287
	1S1588		GE-514	PTC214	HEPR9137	REN 177	SK3100	RT-218	ECG519	TM519	WEP925	103-287
D610	1T773N		GE-514	PTC214	HEPR9137	REN 177	SK3100	RT-218	ECG519	TM519	WEP925	103-287
	1S1588		GE-514	PTC214	HEPR9137	REN 177	SK3100	RT-218	ECG519	TM519	WEP925	103-287
D701	DS-130		GE-504A	PTC201	HEPR0052	REN 116	SK3311	RT-213	ECG116	TM116	WEP156	212-76-02
	DS-130E		GE-504A	PTC201	HEPR0052	REN 116	SK3311	RT-213	ECG116	TM116	WEP156	212-76-02
D801	SVC-101		GE-90		HEPR2503	REN 614		RT-262	ECG614		WEP200	103-219
D802	XZ-049		GEZD-4.7		HEPZ0405	REN 5069	SK3333		ECG5069		WEP1102	103-279-09
IC301	M51171L CX-075B								ECG1301 ECG1301			
IC501	TA7061AP		GEIC-92	PTC781		REN 1100	SK3223		ECG1100	TA7061AP	WEP941	221-Z9023
IC701	4400Y LA4400Y LA4420						SK3739 SK3739 SK3739		ECG1211 ECG1211 ECG1211		WEP2141 WEP2141 WEP2141	
IC801	SN7473N SN7473		GE-7473 GE-7473		HEPC7473P HEPC7473P	REN 7473 REN 7473	SK7473 SK7473		ECG7473 ECG7473		WEP7473 WEP7473	
IC802	C7101											
IC803	TC5081P TC5081						SK3712 SK3712		ECG1208 ECG1208			
Q101	2SC784-0 2SC784		GE-60* GE-60*	PTC132* PTC132*	HEPS0008* HEPS0008*	REN 229* REN 229*	SK3122 SK3122	RT-187 RT-187	ECG229* ECG229*	TM229*/** TM229*/**	WEP784 WEP784	121-Z9021 121-Z9021
Q102	ED1502E 2SC930		GE-61* GE-60*	PTC132* PTC132*	HEPS0015* HEPS0016*	REN 229* REN 229	SK3018 SK3018	RT-107 RT-308	ECG229* ECG229*	TM229* TM229/**	WEP956 WEP380	121-883* 121-Z9021*
Q301	2SC930E 2SC930		GE-60* GE-60*	PTC132* PTC132*	HEPS0016* HEPS0016*	REN 229 REN 229	SK3018 SK3018	RT-308 RT-308	ECG229* ECG229*	TM229* TM229/**	WEP380 WEP380	121-Z9021* 121-Z9021*
Q501	9015 2SA733		GE-82 GE-48	PTC103 PTC127	HEPS0029 HEPS0019*	REN 159 REN 294	SK3118 SK3138	RT-126A RT-303	ECG159 ECG294	TM159 TM294/**	WEP62 WEP911	121-Z9003 121-952
Q502	2SA7330 2SC372Y		GE-61* GE-212	PTC121* PTC121*	HEPS0015* HEPS0015*	REN 123A* REN 199	SK3444 SK3124	RT-308 RT-107A	ECG123A* ECG199	TM123A*/** TM199/**	WEP372 WEP1945	121-Z9000A* 121-972
Q503	2SC9450 2SC9450		GE-212 GE-61*	PTC121* PTC121*	HEPS0015* HEPS0015*	REN 199 REN 123A*	SK3444 SK3124	RT-308 RT-107A	ECG123A* ECG199	TM123A*/** TM199/**	WEP372 WEP1945	121-Z9000A* 121-972
	2SC9450		GE-212	PTC121*	HEPS0015*	REN 199	SK3124	RT-107A	ECG199	TM199/**	WEP1945	121-972
Q504	2SA495Y 2SA495-0		GE-221* GE-221*	PTC103* PTC103*	HEPS0013* HEPS0013*	REN 159* REN 159*	SK3114 SK3114	RT-303 RT-303	ECG159* ECG159*	TM159*/** TM159*/**	WEP495 WEP495	121-Z9003 121-Z9003
	2SA495		GE-221*	PTC103*	HEPS0013*	REN 159*	SK3114	RT-303	ECG159*	TM159*/**	WEP495	121-Z9003
Q506	2SK30Y 2SK30		GE-FET-2 GE-FET-2	PTC161 PTC161	HEPF0021 HEPF0021	REN 132 REN 132	SK3448 SK3448	RT-175 RT-175	ECG312 ECG312	TM312 TM312	WEP920 WEP920	121-756 121-756
Q507	9015 2SA733P		GE-82 GE-48	PTC103 PTC127	HEPS0029 HEPS0019*	REN 159 REN 294	SK3118 SK3138	RT-126A RT-303	ECG159 ECG294	TM159 TM294/**	WEP62 WEP911	121-Z9003 121-952
	2SA733		GE-48	PTC127	HEPS0019*	REN 294	SK3138	RT-303	ECG294	TM294/**	WEP911	121-952
Q508	2SC36E 2SC536		GE-212 GE-212	PTC121* PTC121*	HEPS0016* HEPS0016*	REN 199 REN 199	SK3124 SK3124	RT-107A RT-107A	ECG199 ECG199	TM199 TM199	WEP536 WEP536	121-972 121-972
Q601	2SC372Y 2SC9450		GE-61* GE-212	PTC121* PTC121*	HEPS0015* HEPS0016*	REN 123A* REN 199	SK3444 SK3124	RT-308 RT-107A	ECG123A* ECG199	TM123A*/** TM199/**	WEP372 WEP1945	121-Z9000A* 121-972
	2SC536		GE-212	PTC121*	HEPS0016*	REN 199	SK3124	RT-107A	ECG199	TM199/**	WEP1945	121-972
Q602	2SC372Y 2SC9450		GE-61* GE-212	PTC121* PTC121*	HEPS0015* HEPS0016*	REN 123A* REN 199	SK3444 SK3124	RT-308 RT-107A	ECG123A* ECG199	TM123A*/** TM199/**	WEP372 WEP1945	121-Z9000A* 121-972
	2SC536		GE-212	PTC121*	HEPS0016*	REN 199	SK3124	RT-107A	ECG199	TM199/**	WEP1945	121-972
Q603	MJE200E MJE200		GE-57 GE-57	PTC163 PTC163	HEPS5000 HEPS5000	REN 184 REN 184	SK3104 SK3104	RT-162 RT-162	ECG184 ECG184	TM184 TM184	WEP880 WEP880	121-Z9002 121-Z9002
	2SC828R		GE-61*	PTC139*	HEPS0015*	REN 199	SK3444	RT-302	ECG199	TM199/**	WEP828	121-972
	2SC536		GE-212	PTC121*	HEPS0016*	REN 199	SK3124	RT-107A	ECG199	TM199	WEP536	121-972
	2SC9450		GE-212	PTC121*	HEPS0015*	REN 199	SK3124	RT-107A	ECG199	TM199/**	WEP1945	121-972

CHANNEL MASTER MODEL CB6835

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.
Q701	2SC536E		GE-212	PTC121*	HEPS0016*	REN 199	SK3124	RT-107A	ECG199	TM199	WEP536	121-972
	2SC536		GE-212	PTC121*	HEPS0016*	REN 199	SK3124	RT-107A	ECG199	TM199	WEP536	121-972
Q702	2SC536E		GE-212	PTC121*	HEPS0016*	REN 199	SK3124	RT-107A	ECG199	TM199	WEP536	121-972
	2SC536		GE-212	PTC121*	HEPS0016*	REN 199	SK3124	RT-107A	ECG199	TM199	WEP536	121-972
Q801	2SC930E		GE-60*	PTC132*	HEPS0016*	REN 229	SK3018	RT-308	ECG229*	TM229*/**	WEP380	121-Z9021*
	2SC930		GE-60*	PTC132*	HEPS0016*	REN 229	SK3018	RT-308	ECG229*	TM229*/**	WEP380	121-Z9021*
Q802	2SC930D		GE-60*	PTC132*	HEPS0016*	REN 229	SK3018	RT-308	ECG229*	TM229*/**	WEP380	121-Z9021*
	2SC930		GE-60*	PTC132*	HEPS0016*	REN 229	SK3018	RT-308	ECG229*	TM229*/**	WEP380	121-Z9021*
Q803	2SK19Y		GE-FET-2	PTC161	HEPF0021	REN 132	SK3448	RT-175	ECG312	TM312	WEP920	121-756
	2SK19		GE-FET-2	PTC161	HEPF0021	REN 132	SK3448	RT-175	ECG312	TM312	WEP920	121-756
Q804	2SC930E		GE-60*	PTC132*	HEPS0016*	REN 229	SK3018	RT-308	ECG229*	TM229*/**	WEP380	121-Z9021*
	2SC930		GE-60*	PTC132*	HEPS0016*	REN 229	SK3018	RT-308	ECG229*	TM229*/**	WEP380	121-Z9021*
Q805	2SC930D		GE-60*	PTC132*	HEPS0016*	REN 229	SK3018	RT-308	ECG229*	TM229*/**	WEP380	121-Z9021*
	2SC930		GE-60*	PTC132*	HEPS0016*	REN 229	SK3018	RT-308	ECG229*	TM229*/**	WEP380	121-Z9021*
	2SC839H		GE-61*	PTC132*	HEPS0015*	REN 123A*	SK3444	RT-308	ECG123A*	TM123A*/**	WEP1945	121-Z9000A*
	2SC839		GE-61*	PTC132*	HEPS0015*	REN 123A*	SK3444	RT-308	ECG123A*	TM123A*/**	WEP1945	121-Z9000A*
Q806	2SC930D		GE-60*	PTC132*	HEPS0016*	REN 229	SK3018	RT-308	ECG229*	TM229*/**	WEP380	121-Z9021*
	2SC930		GE-60*	PTC132*	HEPS0016*	REN 229	SK3018	RT-308	ECG229*	TM229*/**	WEP380	121-Z9021*
Q807	2SC930D		GE-60*	PTC132*	HEPS0016*	REN 229	SK3018	RT-308	ECG229*	TM229*/**	WEP380	121-Z9021*
	2SC930		GE-60*	PTC132*	HEPS0016*	REN 229	SK3018	RT-308	ECG229*	TM229*/**	WEP380	121-Z9021*
Q808	2SC930E		GE-60*	PTC132*	HEPS0016*	REN 229	SK3018	RT-308	ECG229*	TM229*/**	WEP380	121-Z9021*
	2SC930		GE-60*	PTC132*	HEPS0016*	REN 229	SK3018	RT-308	ECG229*	TM229*/**	WEP380	121-Z9021*
Q809	2SC930D		GE-60*	PTC132*	HEPS0016*	REN 229	SK3018	RT-308	ECG229*	TM229*/**	WEP380	121-Z9021*
	2SC930		GE-60*	PTC132*	HEPS0016*	REN 229	SK3018	RT-308	ECG229*	TM229*/**	WEP380	121-Z9021*
	2SC839H		GE-61*	PTC132*	HEPS0015*	REN 123A*	SK3444	RT-308	ECG123A*	TM123A*/**	WEP1945	121-Z9000A*
	2SC839		GE-61*	PTC132*	HEPS0015*	REN 123A*	SK3444	RT-308	ECG123A*	TM123A*/**	WEP1945	121-Z9000A*
Q810	2SC930D		GE-60*	PTC132*	HEPS0016*	REN 229	SK3018	RT-308	ECG229*	TM229*/**	WEP380	121-Z9021*
	2SC930		GE-60*	PTC132*	HEPS0016*	REN 229	SK3018	RT-308	ECG229*	TM229*/**	WEP380	121-Z9021*
	2SC839H		GE-61*	PTC132*	HEPS0015*	REN 123A*	SK3444	RT-308	ECG123A*	TM123A*/**	WEP1945	121-Z9000A*
	2SC839		GE-61*	PTC132*	HEPS0015*	REN 123A*	SK3444	RT-308	ECG123A*	TM123A*/**	WEP1945	121-Z9000A*
Q811	2SC930E		GE-60*	PTC132*	HEPS0016*	REN 229	SK3018	RT-308	ECG229*	TM229*/**	WEP380	121-Z9021*
	2SC930		GE-60*	PTC132*	HEPS0016*	REN 229	SK3018	RT-308	ECG229*	TM229*/**	WEP380	121-Z9021*
Q812	3SK59Y		GE-FET-4	PTC182	HEPF2007	REN 222	SK3065	RT-181	ECG222	TM222	WEP905	121-826
	3SK59		GE-FET-4	PTC182	HEPF2007	REN 222	SK3065	RT-181	ECG222	TM222	WEP905	121-826
Q813	2SK19Y		GE-FET-2	PTC161	HEPF0021	REN 132	SK3448	RT-175	ECG312	TM312	WEP920	121-756
	2SK19		GE-FET-2	PTC161	HEPF0021	REN 132	SK3448	RT-175	ECG312	TM312	WEP920	121-756
Q901	2SC1166-0		GE-81*	PTC143	HEPS5026*	REN 297	SK3122	RT-141	ECG297	TM297/**	WEP910	121-Z9014
	2SC1166		GE-81*	PTC143	HEPS5026*	REN 297	SK3122	RT-141	ECG297	TM297/**	WEP910	121-Z9014
Q902	2SC1957		GE-270	PTC180	HEPS3044	REN 295	SK3197		ECG295	TM295	WEP913	121-880
	2SC2028		GE-270	PTC180	HEPS3044	REN 295	SK3253		ECG295	TM295	WEP755*	121-880
Q903	2SC2029/3		GE-333	PTC186		REN 235	SK3197	RT-146	ECG235	TM235	WEP785	121-Z9039
	2SC2029		GE-333	PTC186		REN 235	SK3197	RT-146	ECG235	TM235	WEP785	121-Z9039

* Lead configuration may vary from original.
/** Also available as exact type replacement.

ELECTROLYTIC CAPACITORS

ITEM No.	RATING	REPLACEMENT DATA				
		MFRG. PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.	
					Q-LINE	GENERAL LINE
C313	4.7 10V		PC5-50	VTT4R7B50	QV1-31	EV-1619.1
C314	33 10V		PC30-25	VTT33B10		EV-1225
C501	1 50V		PC1-50	VTT1A50	QV1-11	EV-1615
C503	3.3 10V		PC5-50	VTT3R3A50	QV1-25	EV-1618.1
C506	3.3 50V		PC5-50	VTT3R3A50	QV1-25	EV-1618.1
C508	4.7 16V		PC5-50	VTT4R7B50	QV1-31	EV-1619.1
C509	100 6.3V		PC100-10	VTT100E10	QV1-93	EV-1131
C515	4.7 16V		PC5-50	VTT4R7B50	QV1-31	EV-1619.1
C517	.47 10V		PC1-50	VTT4R7A63	QV1-3	EV-1610
C532	47 16V		PC50-16	VTT47D16	QV1-73	EV-1226
C601	100 10V		PC100-10	VTT100E10	QV1-93	EV-1131
C603	220 10V		PC250-25	VTT220H16	QV1-117	EV-1240
C605	1 10V		PC1-50	VTT1A50	QV1-11	EV-1615
C701	1 10V		PC1-50	VTT1A50	QV1-11	EV-1615
C705	33 6.3V		PC30-25	VTT33B10		EV-1225
C706	100 10V		PC100-10	VTT100E10	QV1-93	EV-1131
C708	100 16V		PC100-16	VTT100F16	QV1-95	EV-1231
C713	10 10V		PC10-25	VTT10B25	QV1-41	EV-1222
C716	4.7 10V		PC5-50	VTT4R7B50	QV1-31	EV-1619.1
C722	10 10V			TDC106M025FL	QDT1-64	SD25-109
C725	220 16V		PC250-25	VTT220H16	QV1-117	EV-1240
C726	47 16V		PC50-16	VTT47D16	QV1-73	EV-1226
C732	1000 16V		PC1000-16	VTT1000L16	QV1-183	EV-1261
C743	1 10V		PC1-50	VTT1A50	QV1-11	EV-1615
C809	47 16V		PC50-16	VTT47D16	QV1-73	EV-1226
C810	.33 35V			TDC334M050EL	QDT1-14	SD50-R339
C811	10 10V		PC10-25	VTT10B25	QV1-41	EV-1222
C815	100 10V		PC100-10	VTT100E10	QV1-93	EV-1131
C852	10 10V			TDC106M025FL	QDT1-64	SD25-109
C928	10 10V		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	27 N220 5%				*		10TCR-Q27
C102	22 N220 10%				*		10TCR-Q22
C103	.01 25V		UK25-103		MAG2511		HY-520
C104	82 N220 5%				*		10TCR-Q82
C105	.039 25V				GP140		56A-S40
C106	.039 25V				GP140		56A-S40

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
C107	15 N220 5%				*		10TCR-Q15
C108	.01 25V		UK25-103		MAG2511		HY-520
C109	.039 25V				GP140		5GA-S40
C110	.039 25V				GP140		5GA-S40
C301	2 N220 +.25						
C302	.039 25V				GP140		5GA-S40
C303	47 N220 5%				*		10TCR-Q47
C304	.039 50V				M192P3939R8		192P3939R8
C305	.039 25V				GP140		5GA-S40
C306	68 50V 5%		DTZ-68	NP068	CN0468		10TCC-Q68
C307	.039 25V				GP140		5GA-S40
C308	.039 25V				GP140		5GA-S40
C309	.039 25V				GP140		5GA-S40
C310	.039 50V				M192P3939R8		192P3939R8
C311	.039 50V				M192P3939R8		192P3939R8
C312	.022 50V				M192P2239R8		192P2239R8
C315	.039 25V				GP140		5GA-S40
C316	.039 50V				M192P3939R8		192P3939R8
C318	10		DTZ-10	NP010	CN0410		10TCC-Q10
C502	.022 50V				M192P2239R8		192P2239R8
C504	.068 50V			WMF1S68	EWFA1A168	QF1-195	1PB-S68
C505	.022 50V				M192P2239R8		192P2239R8
C507	300 5%			CD15FD301J03	SK330	QW1-38	MMA-301
C510	.022 50V				M192P2239R8		192P2239R8
C511	.01 50V			WMF1S1	EWFA1A110	QF1-91	1PB-S10
C512	.039 25V				GP140		5GA-S40
C513	5 N220 +.25						
C514	.0047 50V		DD-472	GP4700	GP247		5GA-D47
C520	27				CN0427		10TCC-Q27
C521	.039				GP140		5GA-S40
C522	.039				GP140		5GA-S40
C523	.039				GP140		5GA-S40
C524	.022				M192P2239R8		192P2239R8
C525	.022				M192P2239R8		192P2239R8
C526	150 10%		DTZ-150		CN0315		10TCC-T15
C527	.022 50V				M192P2239R8		192P2239R8
C528	47		DTZ-47	NP047	CN0447		10TCC-Q47
C529	.01		UK50-103		MAG5011		
C530	.039				GP140		5GA-S40
C531	.001 50V			DPMS6D1	EWFA1A210	QF1-1	1PB-D10
C533	.001 50V			DPMS6D1	EWFA1A210	QF1-1	1PB-D10
C534	.01 50V			WMF1S1	EWFA1A110	QF1-91	1PB-S10
C535	.022 50V				M192P2239R8		192P2239R8
C602	.039 25V				GP140		5GA-S40
C604	.01 50V		UK50-103		MAG5011		
C606	.0047 50V		DD-472	GP4700	GP247		5GA-D47
C620	.01		UK50-103		MAG5011		
C702	.033 50V				M192P3339R8		192P3339R8
C703	.022 50V				M192P2239R8		192P2239R8
C704	.0047 50V				M192P4729R8		192P4729R8
C707	.0047 50V		DD-472	GP4700	GP247		5GA-D47
C709	.022 50V				M192P2239R8		192P2239R8
C710	.01 50V			WMF1S1	EWFA1A110	QF1-91	1PB-S10
C711	.01 50V			WMF1S1	EWFA1A110	QF1-91	1PB-S10
C712	.022 50V				M192P2239R8		192P2239R8
C714	.033 50V				M192P3339R8		192P3339R8
C715	.022 50V				M192P2239R8		192P2239R8
C717	.01 50V			WMF1S1	EWFA1A110	QF1-91	1PB-S10
C718	.022 50V				M192P2239R8		192P2239R8
C719	.0047 50V		DD-472	GP4700	GP247		5GA-D47
C720	82 50V 5%		DTZ-82	NP082	CN0482		10TCC-Q82
C721	270 50V 10%		DD-271	GP270	GP327		10TS-T27
C723	.022 50V				M192P2239R8		192P2239R8
C724	.15 50V			WMF05P15	EWFO5015		431P1549R5
C727	.01 50V			WMF1S1	EWFA1A110	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
C733	.1 50V		CK-104		MAG5001		
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
C738	.001 50V		DD-102G	GP1000	GP210	QC2-81	5GA-D10
C739	.001 50V		DD-102G	GP1000	GP210	QC2-81	5GA-D10
C737	.001 50V		DD-102G	GP1000	GP210	QC2-81	5GA-D10
C740	.039 25V				GP140		5GA-S40
C741	.001 50V		DD-102G	GP1000	GP210	QC2-81	5GA-D10
C742	.01 50V			WMF1S1	EWFA1A110	QF1-91	1PB-S10
C801	.01		UK50-103		MAG5011		
C802	150		DTZ-150		CN0315		10TCC-T15
C803	100		DTZ-100	NP0100	CN0310		10TCC-T10
C804	10		DTZ-10	NP010	CN0410		10TCC-Q10
C805	3 50V +.25						
C806	100 N220 5%				*		10TCR-T10
C807	.04 25V				GP140		5GA-S40
C808	.01		UK50-103		MAG5011		
C812	12				CN0412		10TCC-Q12
C813	47		DTZ-47	NP047	CN0447		10TCC-Q47
C814	25		DTZ-25	NP025	CN0425		10TCC-Q25
C816	7 50V +.25						
C817	.01		UK50-103		MAG5011		
C818	15 50V 10%		DTZ-15	NP015	CN0415		10TCC-Q15
C819	.01 50V		UK50-103		MAG5011		
C820	70		DTZ-68	NP068	CN0468		10TCC-Q68
C821	70		DTZ-68	NP068	CN0468		10TCC-Q68
C822	.001		DD-102		GP210		10TS-D10
C823	.01 50V		UK50-103		MAG5011		
C824	130						

CHANNEL MASTER MODEL CB6835

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
C825	.01 50V		UK50-103		MAG5011		
C826	40				CN0439		10TCC-Q39
C827	70		DTZ-68	NP068	CN0468		10TCC-Q68
C828	40		DTZ-68	NP068	CN0468		10TCC-Q68
C829	200		DTZ-200				10TCC-T20
C830	.01 50V		UK50-103		MAG5011		
C832	150 5%		DTZ-150		CN0315		10TCC-T15
C833	220		DTZ-220				10TCC-T22
C834	.039				GP140		5GA-S40
C835	.01 50V		UK50-103		MAG5011		
C836	500		DD-501	GP500	GP350		10TS-T50
C837	10		DTZ-10	NP010	CN0410		10TCC-Q10
C838	.01 50V		UK50-103		MAG5011		
C839	.04				GP140		5GA-S40
C840	82		DTZ-82	NP082	CN0482		10TCC-Q82
C841	30		DTZ-33	NP033	CN0433		10TCC-Q33
C842	82		DTZ-82	NP082	CN0482		10TCC-Q82
C843	15		DTZ-15	NP015	CN0415		10TCC-Q15
C844	.001		DD-102		GP210		10TS-D10
C845	150 5%		DTZ-150		CN0315		10TCC-T15
C846	.039				GP140		5GA-S40
C847	5		DTZ-4R7	NP04P7	CN0547		10TCC-V47
C848	150 5%		DTZ-150		CN0315		10TCC-T15
C849	3		DTZ-3R3	NP03P3	CN0533		10TCC-V33
C850	3		DTZ-3R3	NP03P3	CN0533		10TCC-V33
C851	.01 50V		UK50-103		MAG5011		
C901	500 50V 5%		DD-501	GP500	GP350		10TS-T50
C902	.022 25V		UK25-223				HY-725
C903	47 N220 5%				*		10TCR-Q47
C905	.039 25V				GP140		5GA-S40
C906	.039 25V				GP140		5GA-S40
C907	.0022 50V				GP222		10TS-D22
C908	82 N220 5%				*		10TCR-Q82
C909	180 N220 5%				*		10TCR-T18
C910	.039 25V				GP140		5GA-S40
C911	.0022 50V				GP222		10TS-D22
C912	.01 50V		UK50-103		MAG5011		
C913	390 50V 5%		DTN-390				10TCU-T39
C914	270 50V 5%		DTZ-270				10TCC-T27
C915	150 50V 5%		DTZ-150				10TCC-T15
C916	27 50V 5%				CN0315		10TCC-Q27
C917	.039 25V				CN0427		5GA-S40
C918	.01 50V		UK50-103		GP140		
C919	.01 50V		UK50-103		MAG5011		
C920	.01 50V		UK50-103		MAG5011		
C921	.01 50V		UK50-103		MAG5011		
C922	.01 50V		UK50-103		MAG5011		
C923	.039 50V		UK50-103		MAG5011		
CT801	30	4-224R-157			GP140		5GA-S40

*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	RESIST-ANCE	REPLACEMENT DATA			
			MFR. PART No.	CENTRALAB PART No.	MALLORY PART No.	TRW PART No.
VR1	AGC Voltage	100K	4-222R781			U260R104B
VR2	Squelch	10K	4-222R512			
VR3	Squelch Range	50K	4-222R780			U260R503B
VR4	S Meter	10K	4-222R778			U260R103B
VR5	Volume/Power Switch	10K	4-222R526			
VR6	AMC	1000	4-222R775			U260R102B
VR7	RF Meter	50K	4-222R780			U260R503B
VR8	RF Gain	100K				
	RF Gain	50K	4-222R559			
VR10	RF Gain Range	10K	4-222R778			U260R103B

RESISTORS (Power and Special)

ITEM No.	RATING	REPLACEMENT DATA		ITEM No.	RATING	REPLACEMENT DATA	
		MFR. PART No.	WORKMAN PART No.			MFR. PART No.	WORKMAN PART No.
IR501	Resistor Network	4-221R804(1)		TH501	4900 Col'd NTC	SDT-500GR	
IR801	Resistor Network	4-221R803(2)					

(1) Consists of six resistors.

(2) Consists of seven 47K resistors.

COILS (RF-IF)

ITEM No.	FUNCTION	REPLACEMENT DATA			REMARKS
		PART No.	OTHER IDENTIFICATION	MILLER PART No.	
F901	54MHz Trap	4-253R919	3R919		
L101	Rec RF (27MHz)	4-257R815	7R815		
L102	RF Amp (27MHz)	4-259R828	9R828	CBS126	
L501	Noise Blanker	4-259R862	9R862	CBS742-T	
L502	Noise Blanker	4-259R828	9R828		
L503	RF Choke (100uH)	4-253R706	3R706	CBS742-T	
L801	Pi Filter (100uH)	4-253R706	3R706		
L901	XMT Buffer (27MHz)	4-259R865	9R865		
L902	RF Choke	4-253R709	3R709	74F186AP	
L903	Driver (27MHz)	4-259R891	9R891		
L904	RF Choke	4-265R802	5R802		
L905	Loading Final (27MHz)	4-259R80810	9R80810		

PARTS LIST AND DESCRIPTION (CONTINUED)

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

COILS (RF-IF) (cont)

ITEM No.	FUNCTION	REPLACEMENT DATA			REMARKS
		PART No.	OTHER IDENTIFICATION	MILLER PART No.	
L906	Pi Filter	4-253R715	3R715	8535	
L907	Antenna Matching	4-259R89810	9R89810		
T301	Rec Mixer (10.695MHz)	4-256R75130	6R75130		
T302	Rec Mixer (10.695MHz)	4-256R74930	6R74930		
T303	IF Filter (455kHz)	4-256R748	6R748		
T304	IF Amp (455kHz)	4-256R734	6R734		
T801	Splitter (10.24MHz)	4-259R872	9R872		
T802	Oscillator Coil (37MHz)	4-259R890	9R890		
T803	Amp (37MHz)	4-259R875	9R875		
T804	XMT Mixer (27MHz)	4-259R876	9R876		
T805	XMT Amp (27MHz)	4-259R886	9R886		
T806	XMT Amp (27MHz)	4-259R886	9R886		
T807	XMT Buffer (27MHz)	4-259R887	9R887		

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	1.45A	.128	1.3mH	4-255R810 R810 (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	5.29	1 2 8 32	4-254R811 4R809 (1)			(1) Number on unit.

SPEAKER

ITEM No.	TYPE			REPLACEMENT DATA		NOTES
				MFGR. PART No.	QUAM PART No.	
SP	3" PM	8 Ohms		4-151R813 R813S8G50 (1)	30A05Z8R	(1) Number on unit.

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	2A Quick Acting			AGC-2	HDJ	312002	150145	FG2-2

MICROPHONE

ITEM No.	REPLACEMENT DATA				CONNECTION DATA							
	MFGR. PART No.	GC PART No.	GC NOISE CANCEL	GC POWER	GC CONNECTOR	GC Red	GC Shield	GC Yellow	GC Blue	GC White	GC Black	
Mic	4-153R80901A	18-032	18-034	18-010	18-092	2	4	3	1	NC	4	

MISCELLANEOUS

ITEM No.	PART NAME	PART No.	NOTES
D508	LED	SLP123B02	XMT Mod (1.70V @ 14mA)
D611	LED	SL-1271	Channel Readout (Each segment 1.90V @ 5.4mA)
F301	Filter	4-253R910	(455kHz)
F302	Filter	4-253R804	(455kHz)
J1	Jack	4-235R806	Antenna
J2	Jack	4-235R829	PA Speaker
J3	Jack	4-235R829	External Speaker
J4	Jack	4-235R815	Microphone
M1	Meter	4-511R809	XMT Power/Signal
S1	Switch	4-231R223	ANL
S2	Switch	4-231R526	Channel Selector
S3	Switch	4-231R223	Delta Tune
S4	Switch	4-231R221	CB/PA
S5	Switch	4-222R526 (1)	Power On/Off (Part of volume control)
X1	Crystal	4-225R830	10.240MHz
X2	Crystal	4-225R840	11.690MHz
X3	Crystal	4-225R842	9.783MHz
	P.C. Board	4-226R963A	PLL
	P.C. Board	4-226R95701	Channel Selector Switch

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

ITEM	PART No.	ITEM	PART No.
Cabinet, Front	176-9-122R134	Knob, Squelch	176-2-372R102
Knob, Channel Selector	176-9-163R126	Knob, RF Gain	176-2-372R102
Knob, Off/On/Volume	176-2-372R102		

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')

CHANNEL MASTER MODEL CB6835

CHANNEL	CENTER FREQUENCY	LOWER FREQUENCY LIMIT	UPPER FREQUENCY LIMIT
1	26.965000	26.963651	to 26.966348
2	26.975000	26.973651	to 26.976348
3	26.985000	26.983650	to 26.986349
4	27.005000	27.003649	to 27.006350
5	27.015000	27.013649	to 27.016350
6	27.025000	27.023648	to 27.026351
7	27.035000	27.033648	to 27.036351
8	27.055000	27.053647	to 27.056352
9	27.065000	27.063646	to 27.066353
10	27.075000	27.073646	to 27.076353
11	27.085000	27.083645	to 27.086354
12	27.105000	27.103644	to 27.106355
13	27.115000	27.113644	to 27.116355
14	27.125000	27.123643	to 27.126356
15	27.135000	27.133643	to 27.136356
16	27.155000	27.153642	to 27.156357
17	27.165000	27.163641	to 27.166358
18	27.175000	27.173641	to 27.176358
19	27.185000	27.183640	to 27.186359
20	27.205000	27.203639	to 27.206360
21	27.215000	27.213639	to 27.216360
22	27.225000	27.223638	to 27.226361
23	27.255000	27.253637	to 27.256362
24	27.235000	27.233638	to 27.236361
25	27.245000	27.243637	to 27.246362
26	27.265000	27.263636	to 27.266363
27	27.275000	27.273636	to 27.276363
28	27.285000	27.283635	to 27.286364
29	27.295000	27.293635	to 27.296364
30	27.305000	27.303634	to 27.306365
31	27.315000	27.313634	to 27.316365
32	27.325000	27.323633	to 27.326366
33	27.335000	27.333633	to 27.336366
34	27.345000	27.343632	to 27.346367
35	27.355000	27.353632	to 27.356367
36	27.365000	27.363631	to 27.366368
37	27.375000	27.373631	to 27.376368
38	27.385000	27.383630	to 27.386369
39	27.395000	27.393630	to 27.396369
40	27.405000	27.403629	to 27.406370