

PHOTOFACT[®] with

CIRCUITRACE[®]

For Supplier Address See PHOTOFACT Index

NOTE

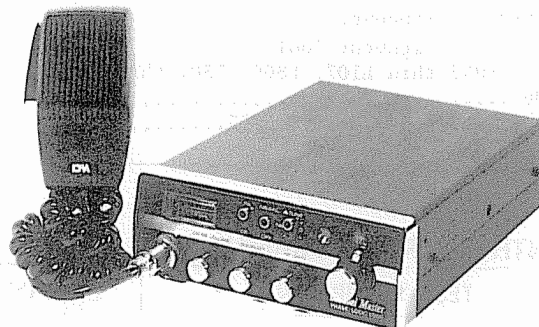
Repair or adjustment of transmitter circuits must be under supervision of a person with first-or second-class radiotelephone license.

(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 CB6832

MANUFACTURER'S SPECIFICATIONS

RECEIVER SECTION

Frequency Coverage	All 23 channels 26.965 to 27.255 MHz
Sensitivity	0.5 μ V for 10 dB S + N/N
Selectivity	$\pm$ 3 kHz at -6 dB
Adjacent Channel Rejection..	55 dB
Audio Distortion at 1000Hz..	Less than 10% at 4 watts output
I.F.	1st 10.695 MHz 2nd 455 kHz
Squelch	Adjustable from 0.25 μ V

TRANSMITTER SECTION

Frequency Coverage	All 23 channels 26.965 to 27.255 MHz
Power Output.....	4 watts maximum
Modulation	+90%, -100%
Spurious Output	-55 dB
Emission	6A3
Frequency Tolerance	0.005%
Antenna Impedance	50 ohms
Current Drain (13.8 volts DC)	250 - 1600 mA (from no signal receive to full modulation on transmit)

MICROPHONE SPECIFICATIONS

Type - Dynamic (Standard)
Impedance - 500 ohms
Switching - Electronic
System - 4 wires

Courtesy of the Manufacturer

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

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CHANNEL MASTER MODEL CB-6832

ALIGNMENT INSTRUCTIONS

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

Suggested Alignment Tools: GC ELECTRONICS;
L801, L803 thru L107, L809, T301 thru T304 5009
L906 9304
L101, L102, L501, L901, L903..... 9440

SYNTHESIZER ALIGNMENT

TEST EQUIPMENT	TRANSCEIVER	ADJUST	REMARKS
Input of frequency counter to TP10.	Ch. 13, Delta Tune 0	L809	Adjust for 8.650MHz.
Input of frequency counter and RF VTVM to 10M.	Ch. 13	L801	Adjust for maximum at 10.240MHz.
Input of frequency counter and RF VTVM to 37M.	Ch. 13	L806, L807	Adjust for maximum at 37.810MHz. Check all channels (Channel frequency + 10.695MHz = frequency on counter).
Input of DC meter to TP15.	Ch. 13	L803	Adjust for 3.30 volts.
Input of frequency counter to 27M.	Ch. 1		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 TP13. 455kHz, 1000Hz @ 30% modulation.	Ch. 13, Delta Tune 0 RF Gain Max	T304, T303	Adjust for maximum output.
Output of signal generator thru .01uF to antenna jack. 27.115MHz, 1000Hz @ 30% modulation.	Ch. 13, Delta Tune 0 RF Gain Max	T302, T301, L102, L101	Adjust for maximum output. If necessary, readjust T303 and T304.
Output of signal generator thru .01uF to antenna jack. 20.550MHz, no modulation. Input of oscilloscope to TP16.	Ch. 13	L501, L502	Adjust for maximum.

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
Output of signal generator thru .01uF to antenna jack. 27.115MHz, 1000Hz @ 30% modulation. Output 50,000uV.	Ch. 13, Delta Tune 0 RF Gain Max	VR10	RF CONT (AGC) Adjust volume for 0db. Decrease generator to 50uV. Adjust VR10 so that audio does not drop more than 10db.
No signal. Input of DC meter to TP1.	Ch. 13, Delta Tune 0 RF Gain Max	VR1	IF GAIN Adjust VR1 for 1.45 volts.
Output of signal generator thru .01uF to antenna jack. 27.115MHz, 1000Hz @ 30% modulation.	Ch. 13, Delta Tune 0 RF Gain Max	VR3	SQUELCH RANGE Set squelch control VR2 fully clockwise. Adjust VR3 so that squelch just breaks.
Output of signal generator thru .01uF to antenna jack. 27.115MHz, 1000Hz @ 30% modulation. Output 200uV.	Ch. 13, Delta Tune 0 RF Gain Max	VR4	RX SIGNAL METER Adjust VR4 for 9 on RX Signal scale of meter.

TRANSMITTER ALIGNMENT

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

NOTE: Be sure to check transmit frequency and power on all active channels after alignment of transmitter.

See page 4 for channel frequencies.

TEST EQUIPMENT	TRANSCIVER	ADJUST	REMARKS
	Ch. 13	L804, L805, L901, L903, L906	Adjust for maximum.
	Ch. 13	L906	Adjust for 4 watts maximum.

TRANSMITTER ADJUSTMENTS

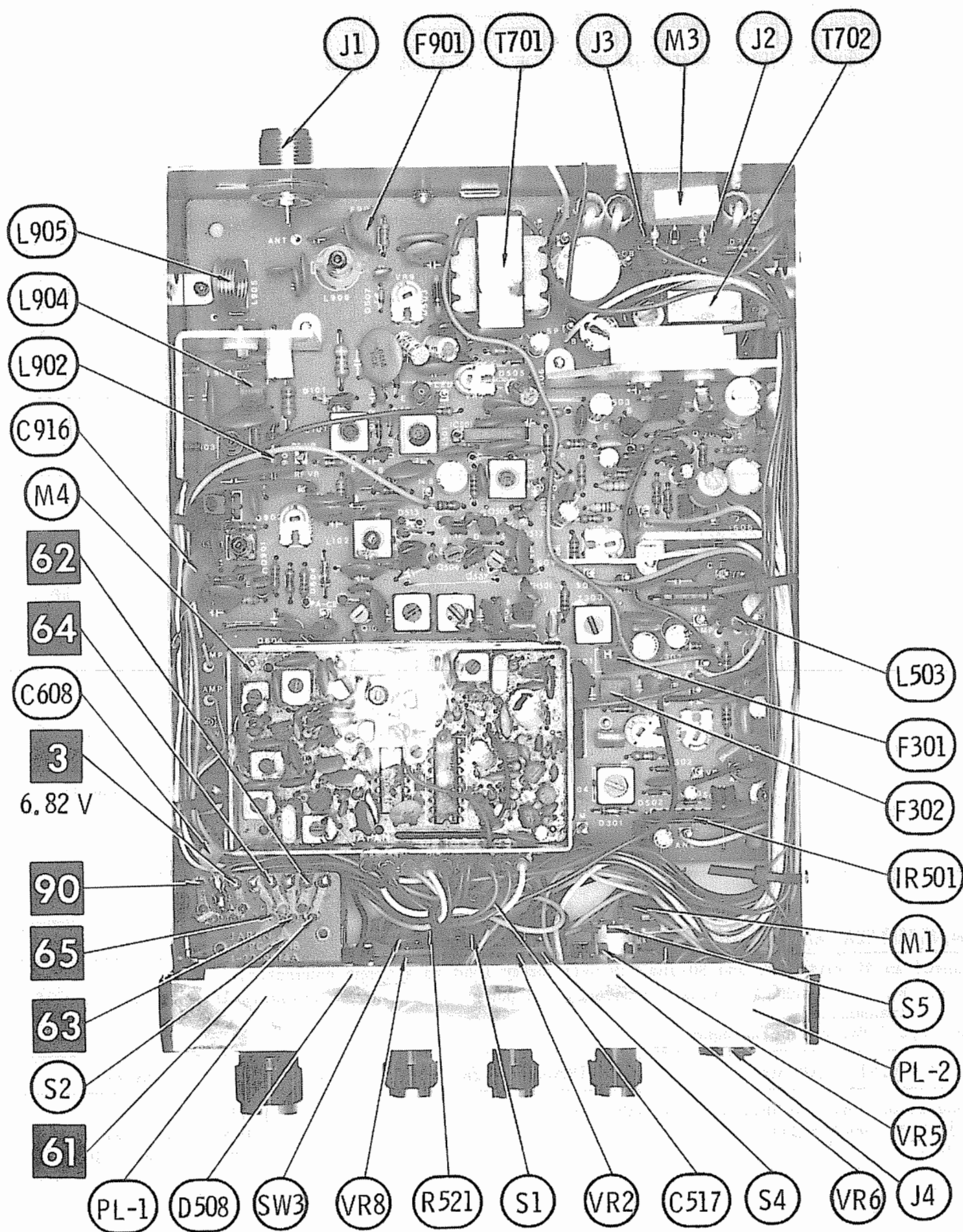
Connect an RF wattmeter and 50-ohm, 25-watt dummy load to antenna connector.

NOTE: Be sure to check transmit frequency and power on all active channels after adjustments of transmitter.

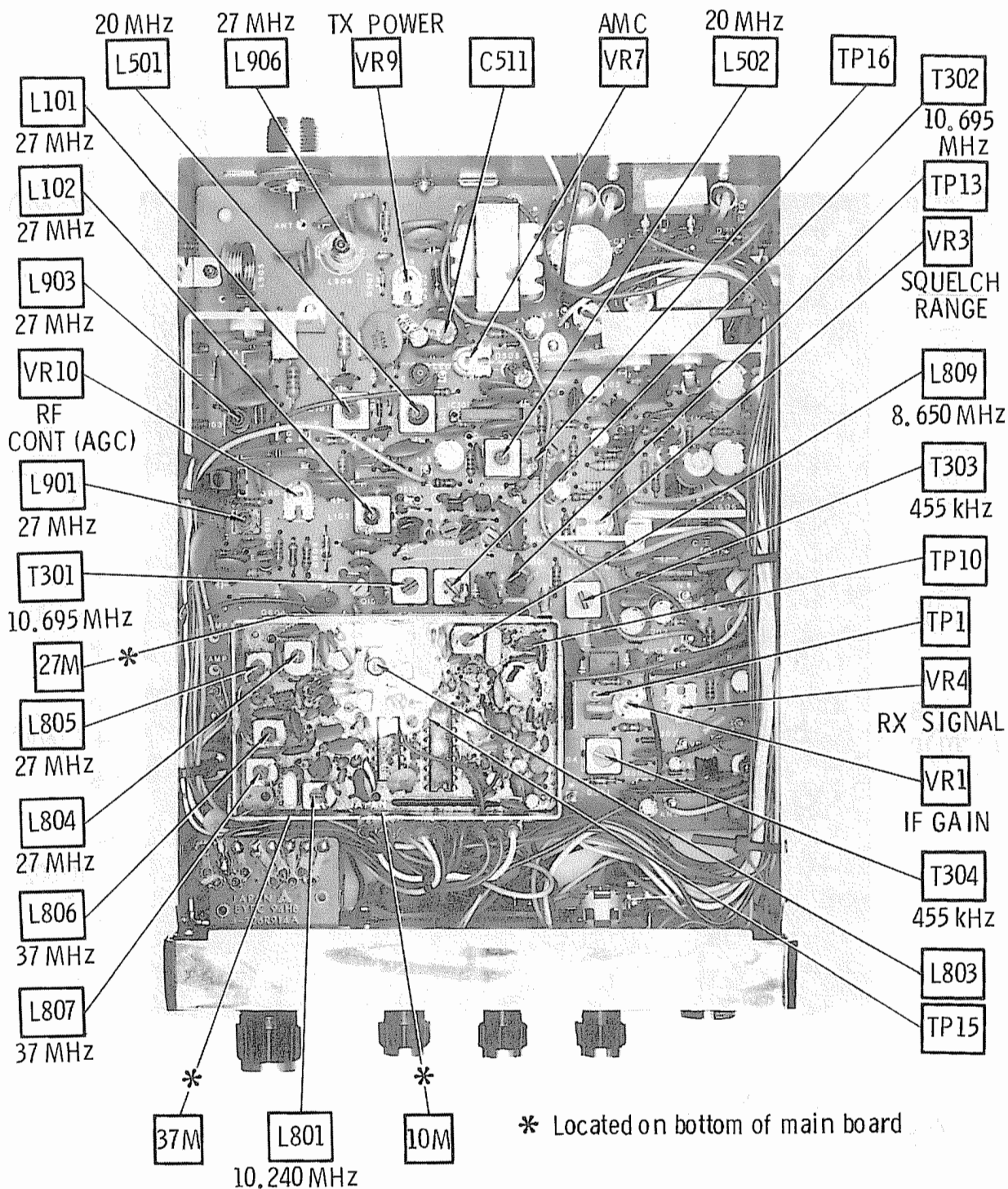
See page 4 for channel frequencies.

TEST EQUIPMENT	TRANSCIVER	ADJUST	REMARKS
Modulation meter to antenna jack. Inject a 1000Hz signal at MIC input.	Ch. 13	VR7	AMC Disconnect C511 to disable AMC. Adjust signal for overmodulation. Restore AMC operation. Adjust VR7 for 100% modulation maximum.
Connect an RF wattmeter and 50-ohm, 25-watt dummy load to antenna connector.	Ch. 13	VR9	TX POWER METER Adjust for 3/4 reading on TX Power scale of meter.

CHANNEL MASTER MODEL CB-6832

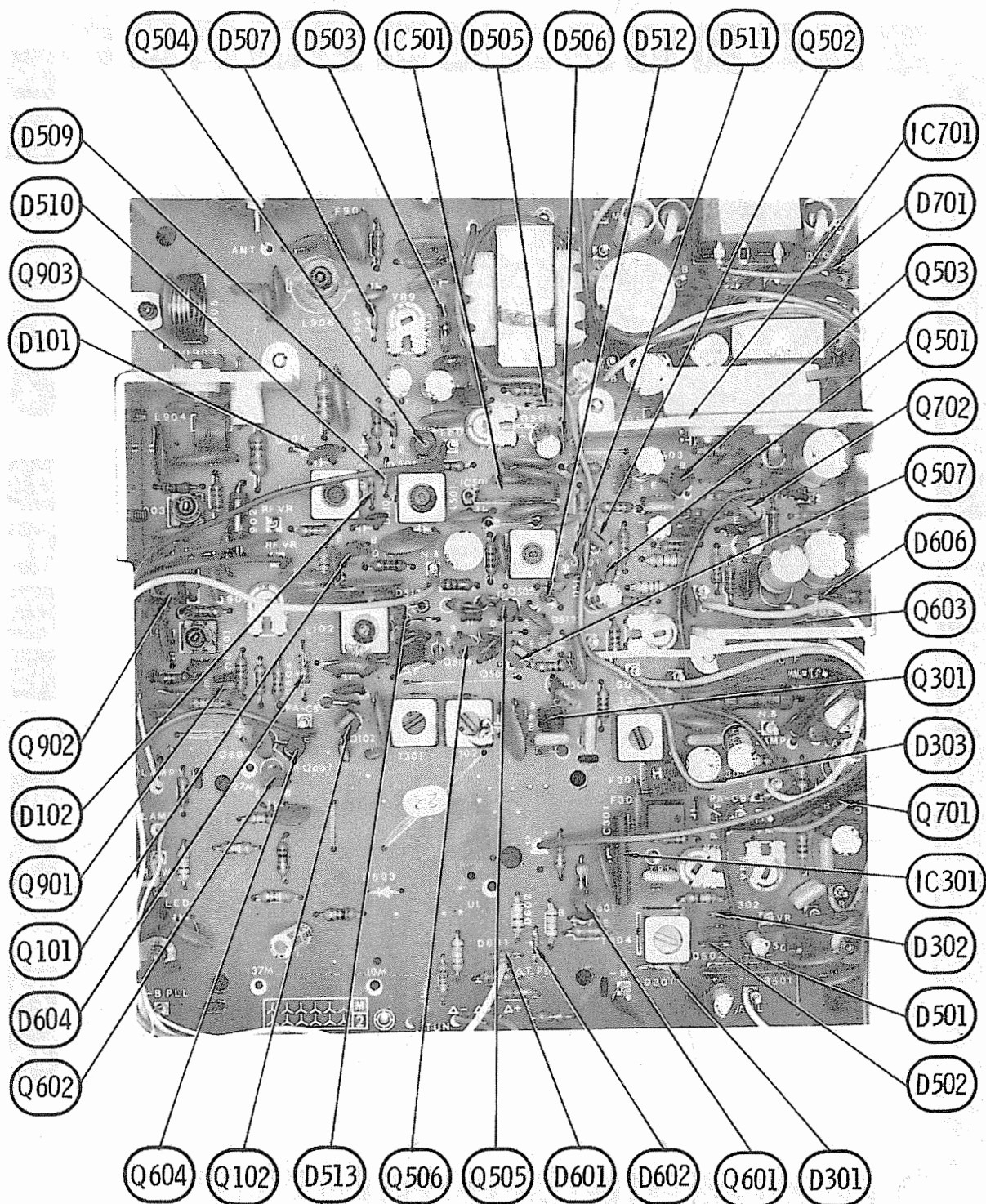


CHASSIS - BOTTOM

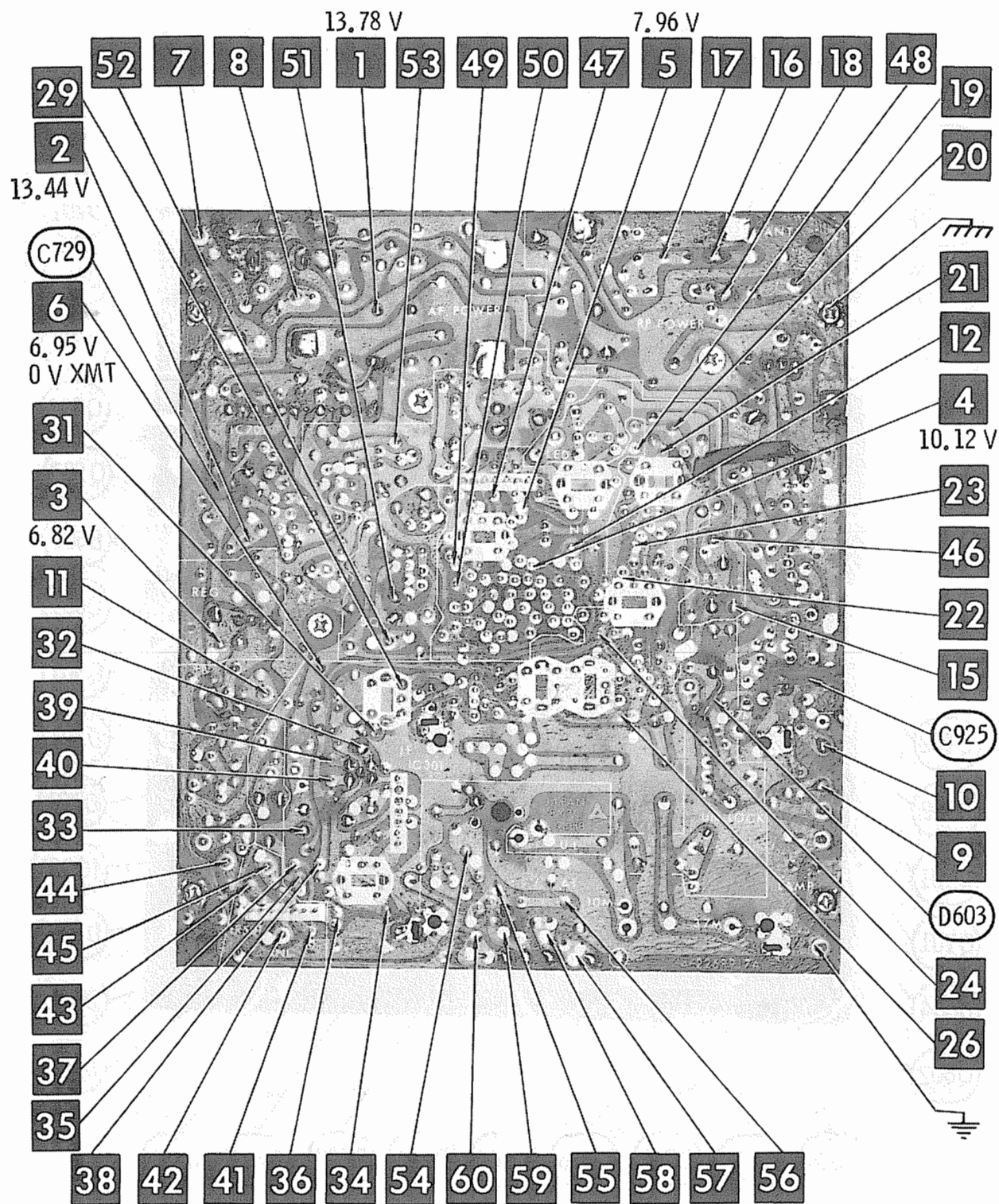


CHASSIS - BOTTOM

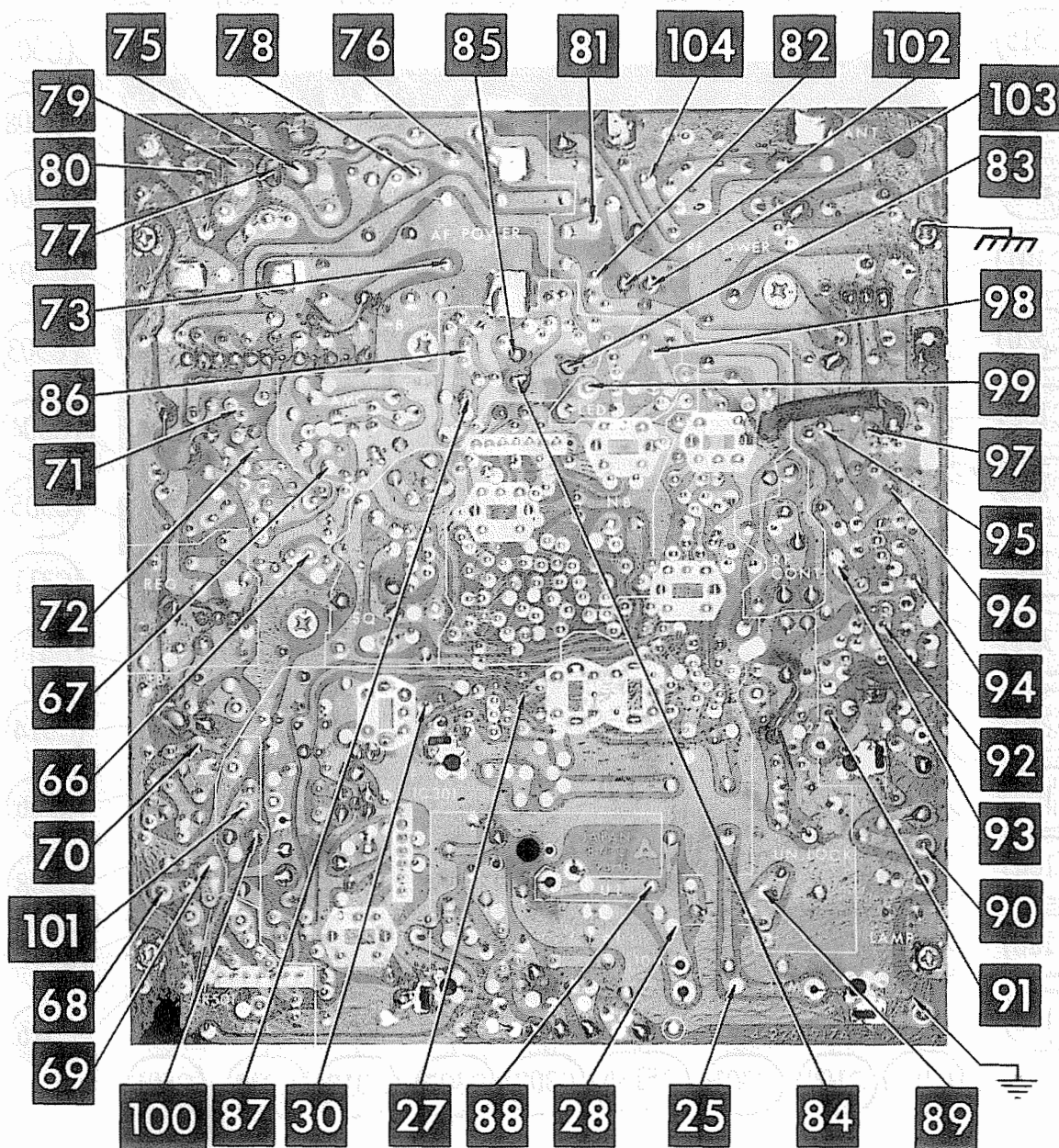




MAIN BOARD

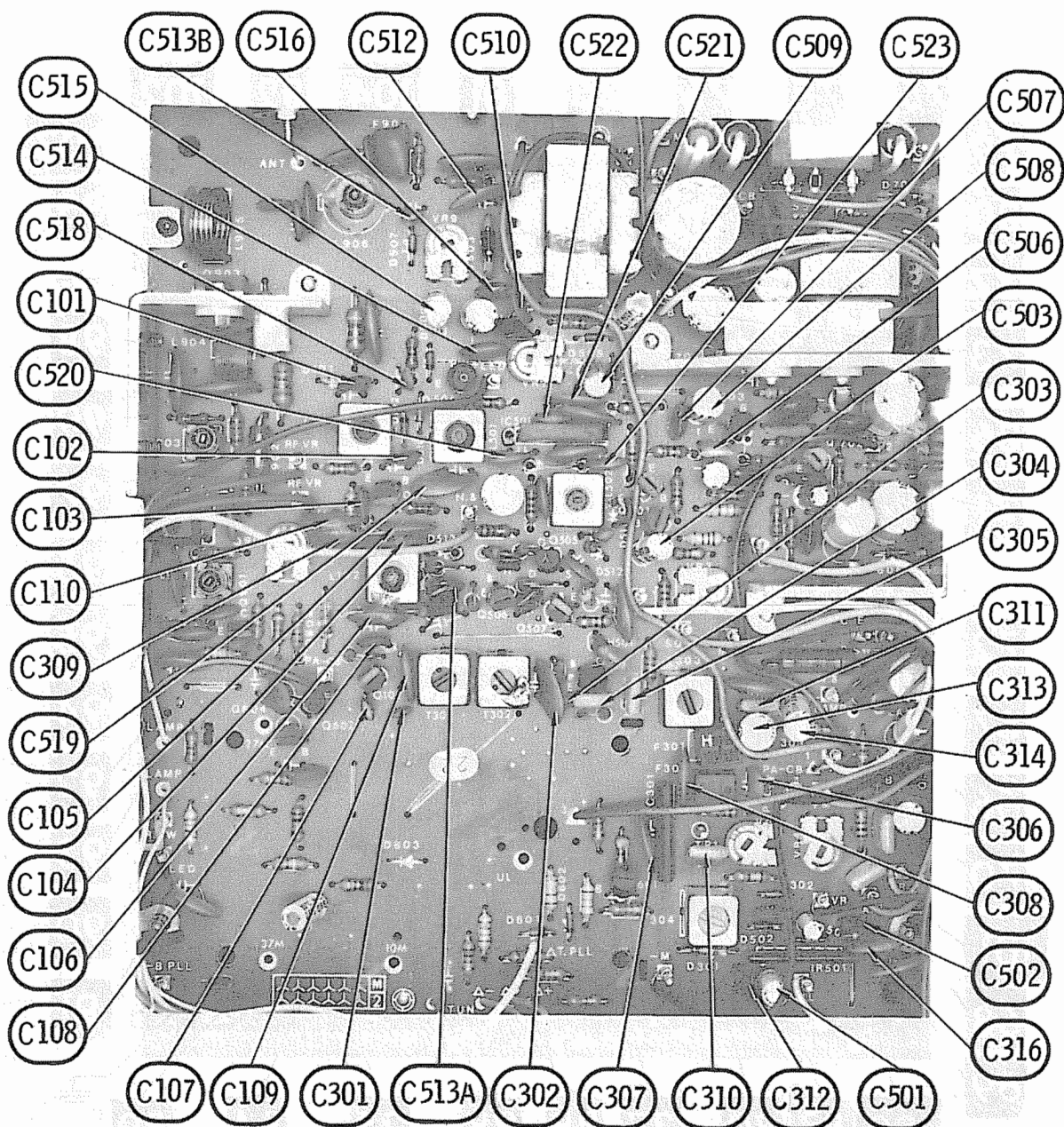


MAIN BOARD

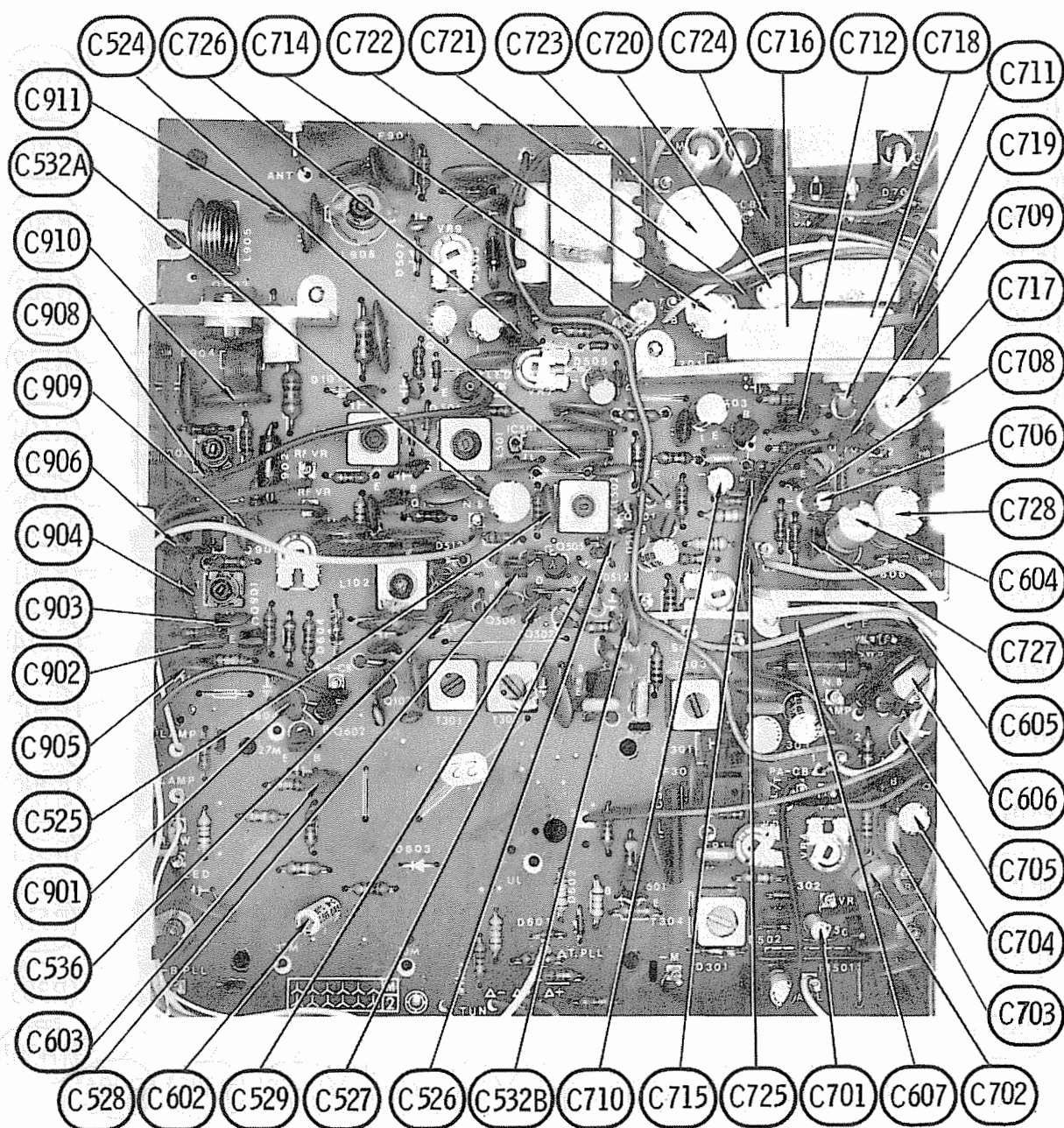


CHANNEL MASTER MODEL CB-6832

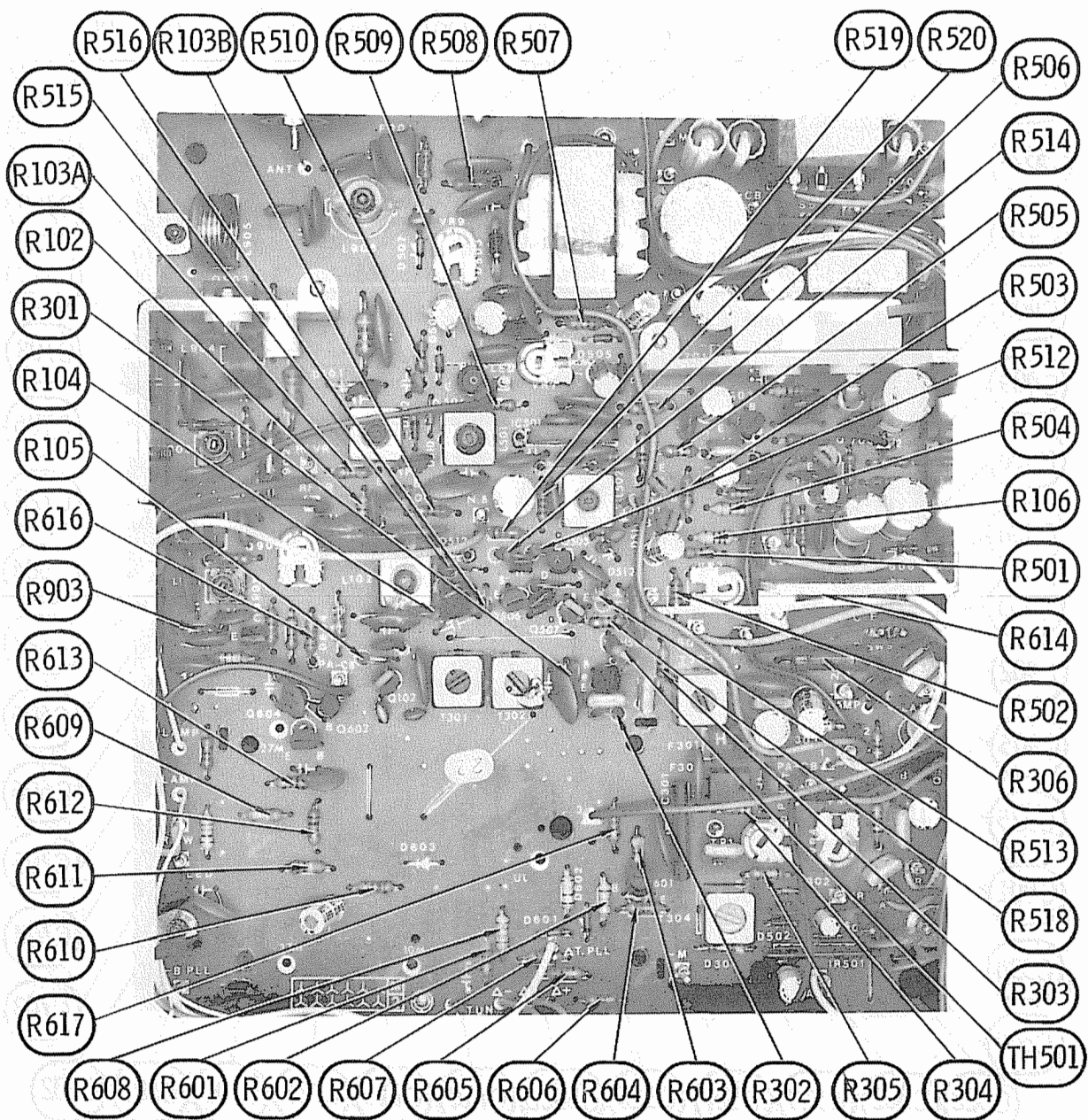
MAIN BOARD



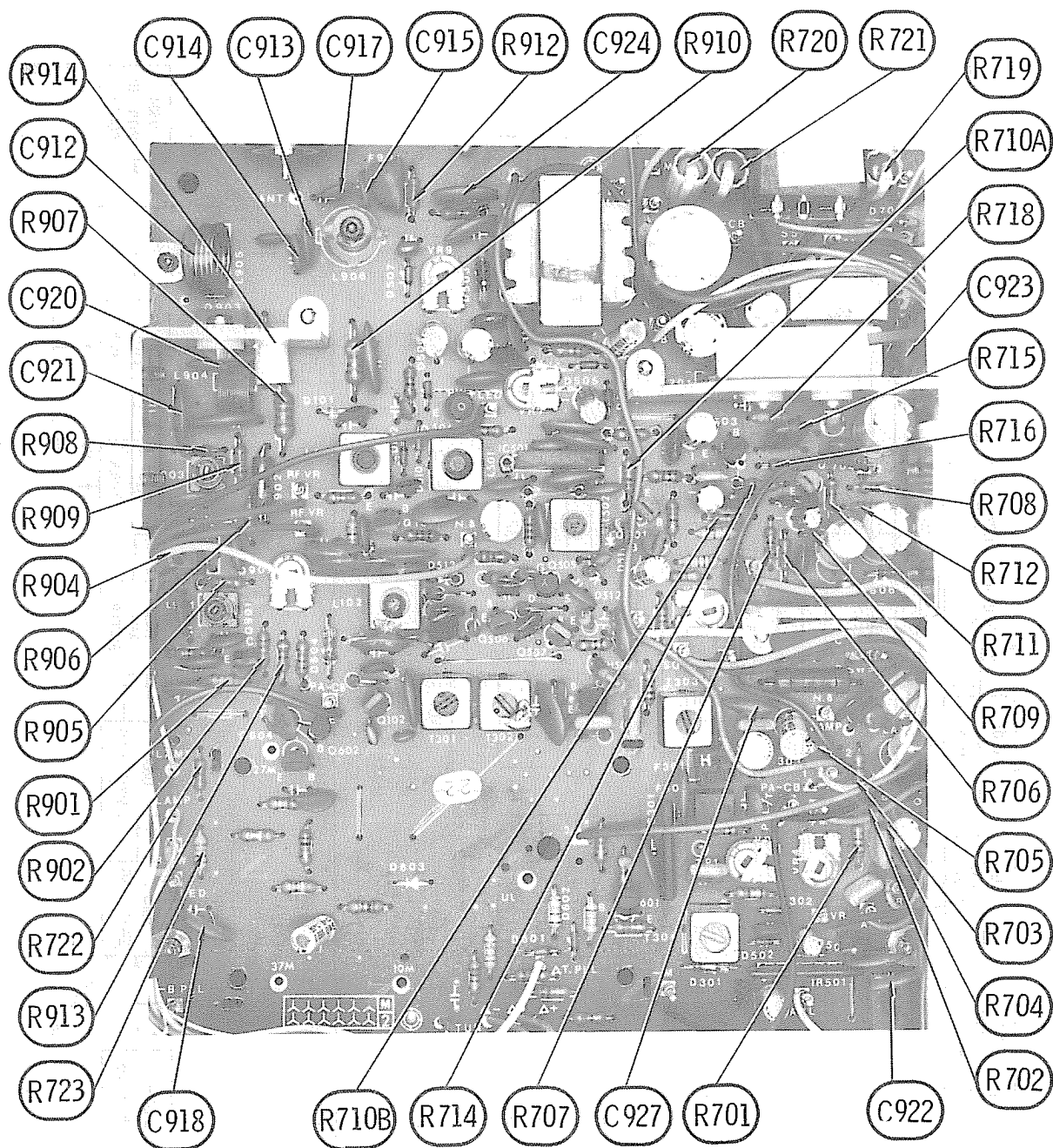
MAIN BOARD

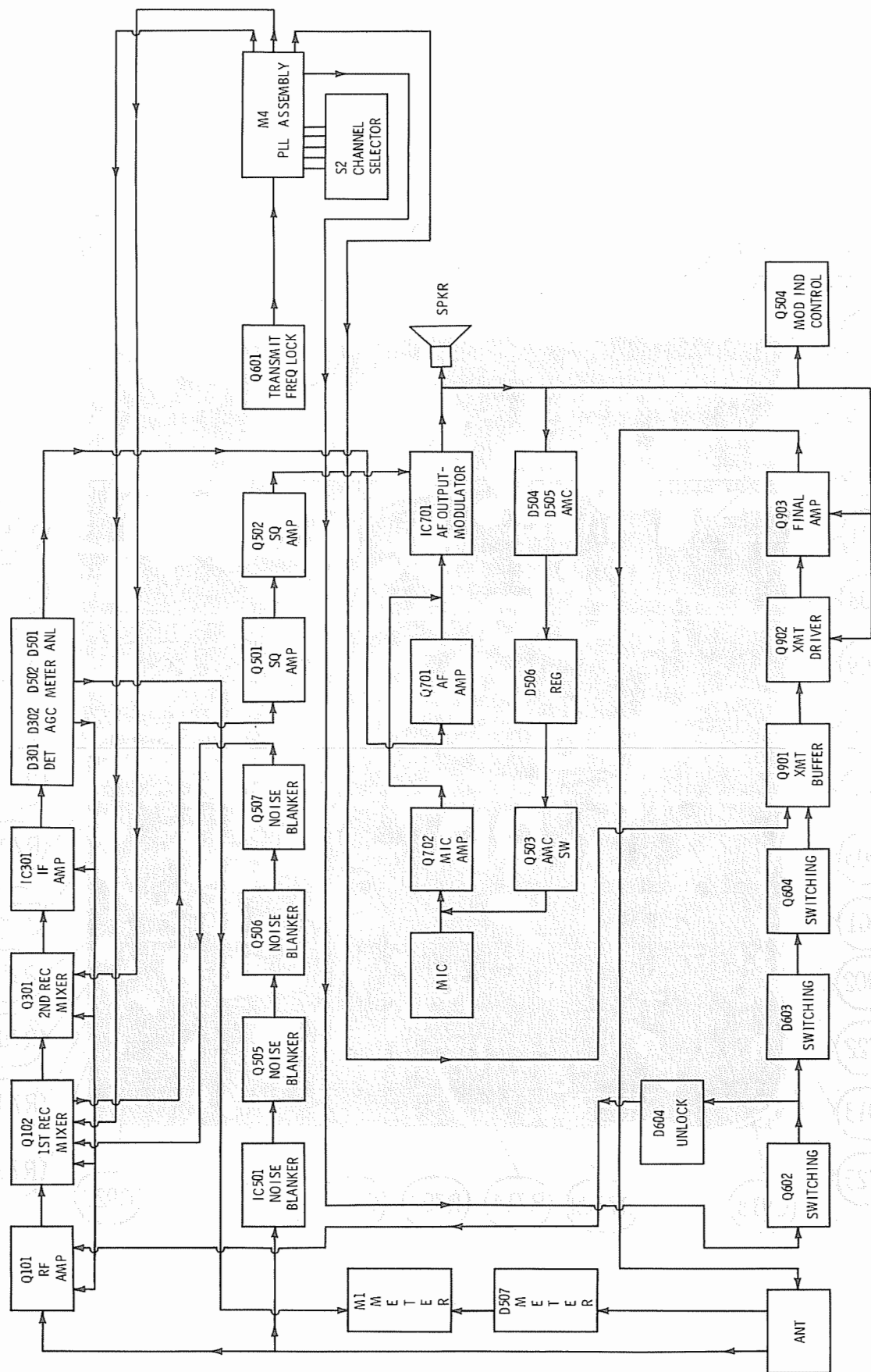


MAIN BOARD



MAIN BOARD





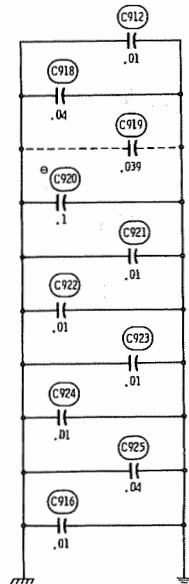
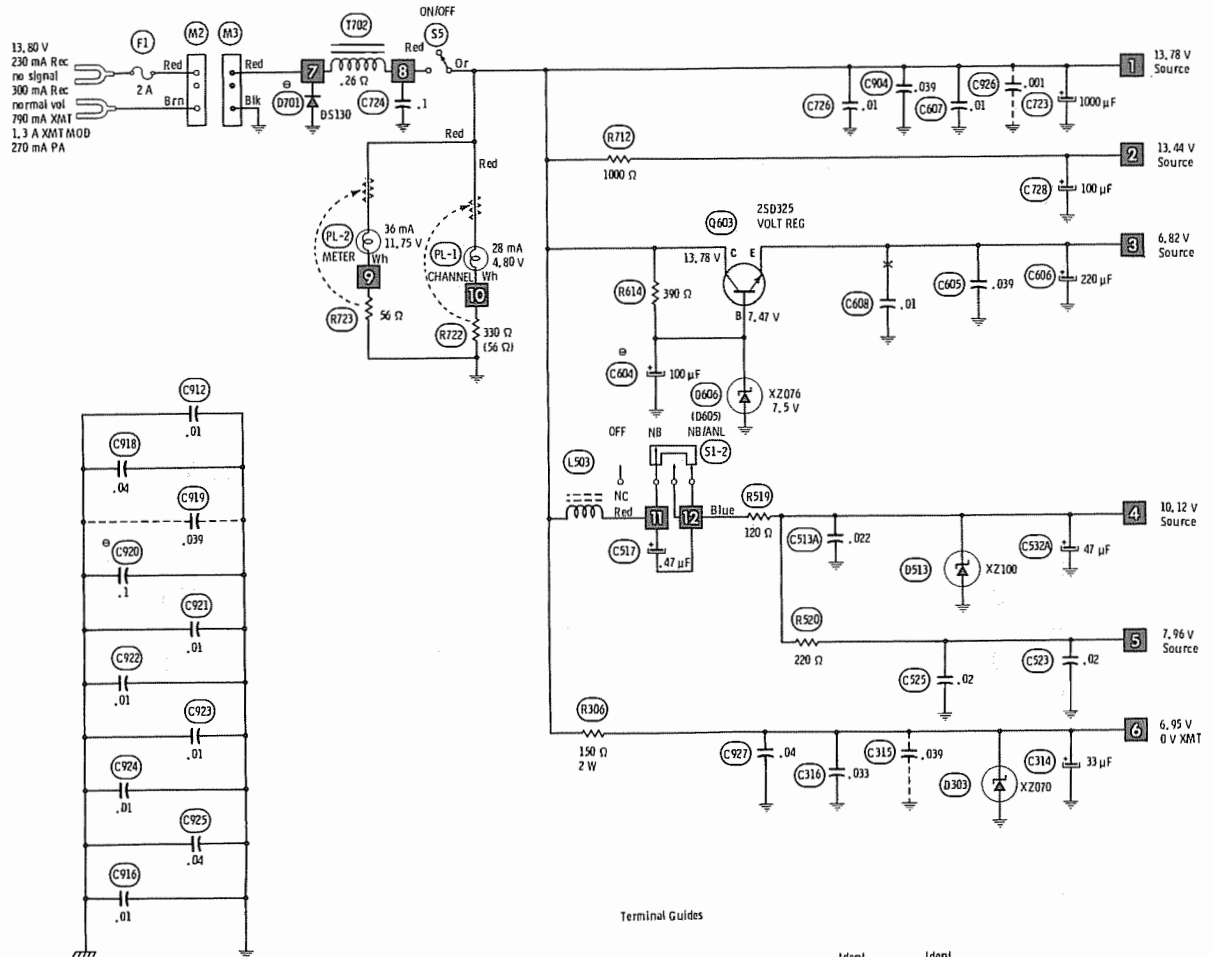
BLOCK DIAGRAM

TRUTH CHART

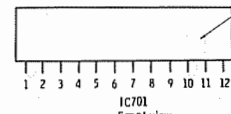
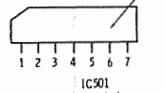
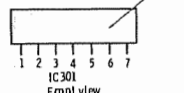
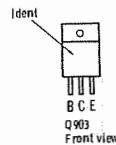
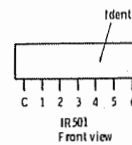
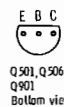
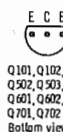
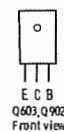
1 = 6.85 Volts 0 = 0 Volts

C H A N N E L	PLL PACK ASSEMBLY							REC VCO OUTPUT IN MHz	XMT VCO OUTPUT IN MHz
	PINS							AT TP12	AT TP15
	G	F	E	D	C				
1	0	0	0	0	0			37.660	26.965
2	0	0	0	0	1			37.670	26.975
3	0	0	0	1	0			37.680	26.985
4	0	0	1	0	0			37.700	27.005
5	0	0	1	0	1			37.710	27.015
6	0	0	1	1	0			37.720	27.025
7	0	0	1	1	1			37.730	27.035
8	0	1	0	0	1			37.750	27.055
9	0	1	0	1	0			37.760	27.065
10	0	1	0	1	1			37.770	27.075
11	0	1	1	0	0			37.780	27.085
12	0	1	1	1	0			37.800	27.105
13	0	1	1	1	1			37.810	27.115
14	1	0	0	0	0			37.820	27.125
15	1	0	0	0	1			37.830	27.135
16	1	0	0	1	1			37.850	27.155
17	1	0	1	0	0			37.860	27.165
18	1	0	1	0	1			37.870	27.175
19	1	0	1	1	0			37.880	27.185
20	1	1	0	0	0			37.900	27.205
21	1	1	0	0	1			37.910	27.215
22	1	1	0	1	0			37.920	27.225
23	1	1	1	0	1			37.950	27.255

CHANNEL MASTER MODEL CB-6832



Terminal Guides

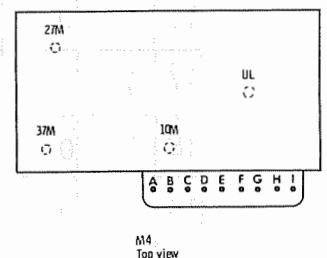
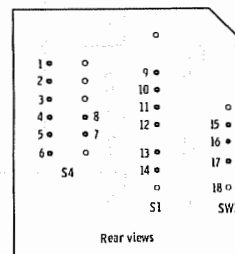


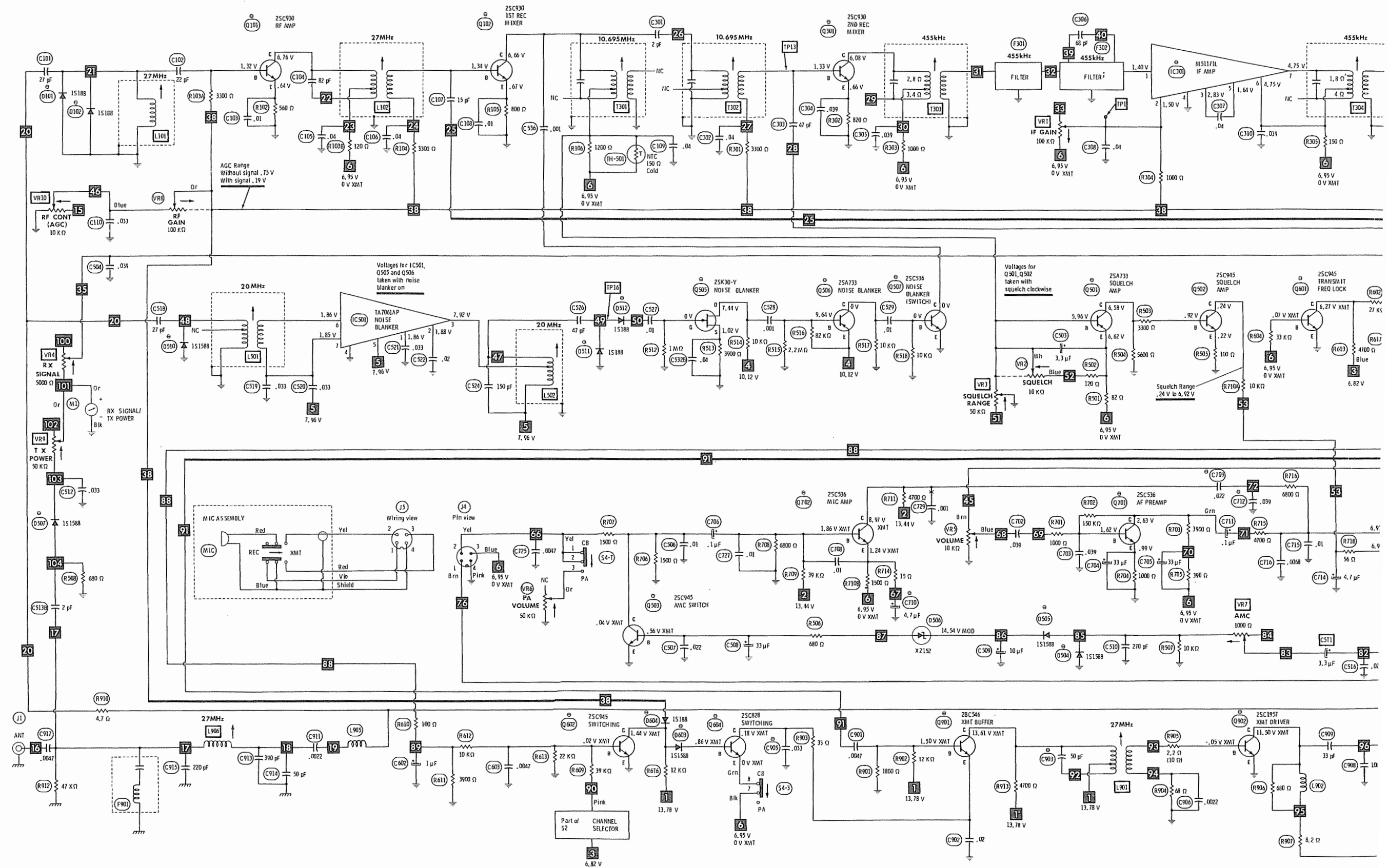
- ✱ Circuitry not used in some versions
 - Circuitry used in some versions
 - ⊙ See parts list
 - ✱ Nominal value
 - ⊕ Ground
 - ⏏ Chassis
 - ▽ Common tie point
- Measurements made in Channel 1 with switching as shown unless noted.
Item numbers in rectangles appear in the alignment/adjustment instructions.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

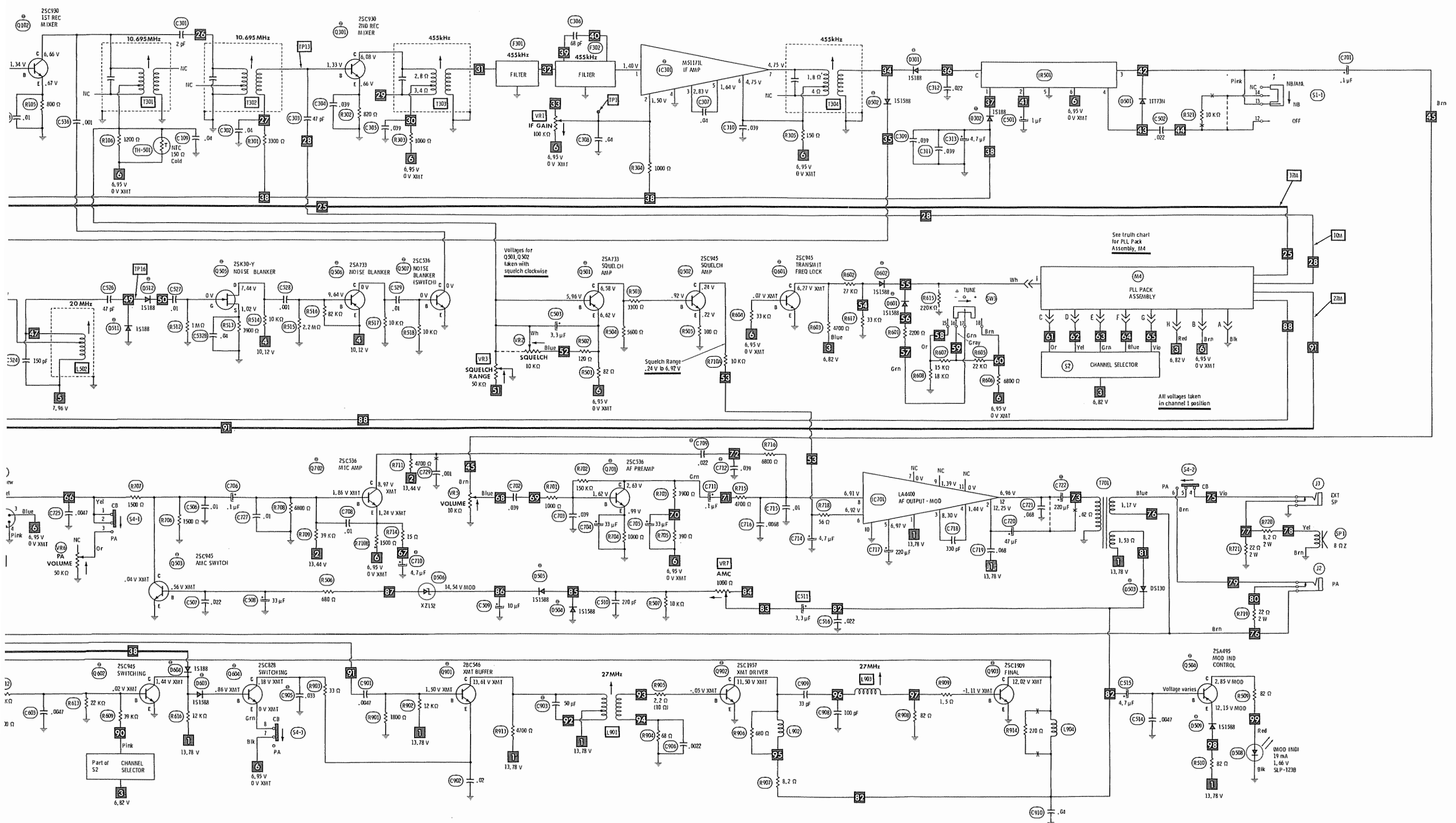
A PHOTOFAC STANDARD NOTATION SCHEMATIC

WITH **CIRCUITACE**

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CHANNEL MASTER MODEL CB-6832

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	(1)	1N34AS	1N34A	PTC207	HEPR9134A	RE 47	SK3087	RT-200	ECG109
	1N60		1N60	1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109
D102	1S188	(1)	1N34AS	1N34A	PTC207	HEPR9134A	RE 47	SK3087	RT-200	ECG109
	1N60		1N60	1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109
D301	1S188	(1)	1N34AS	1N34A	PTC207	HEPR9134A	RE 47	SK3087	RT-200	ECG109
	1N60		1N60	1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109
O302	1S188	(1)	1N34AS	1N34A	PTC207	HEPR9134A	RE 47	SK3087	RT-200	ECG109
	ITT73N		GE-514	1R914	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG519
D303	XZ070	(1)	GEZD-6.8	Z1206	ZB6.8A	HEPZ0409	RE 110	SK3334	RT-238	ECG5071
D501	ITT73N		GE-514	1R914	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG519
D502	1S1588	(1)	GE-300	D200	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177
	ITT73N		GE-514	1R914	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG519
O503	DS130	(1)	GE-504A	5A40	PTC201	HEPR0052	RE 49	SK3030	RT-213	ECG116
	1001		GE-504A	5A40	PTC201	HEPR0052	RE 49	SK3030	RT-213	ECG116
O505	1S1588	(1)	GE-300	D200	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177
	ITT73N		GE-514	1R914	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG519
O506	XZ152	(1)	GEZD-15	Z1214	ZB15A	HEPZ0418	RE 121	SK3063	RT-245	ECG145
D507	1S1588	(1)	GE-300	D200	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177
	ITT73N		GE-514	1R914	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG519
D509	1S1588	(1)	GE-300	D200	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177
	ITT73N		GE-514	1R914	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG519
D510	1S1588	(1)	GE-300	D200	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177
	ITT73N		GE-514	1R914	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG519
D511	1S188	(1)	1N34AS	1N34A	PTC207	HEPR9134A	RE 47	SK3087	RT-200	ECG109
	1N60		1N60	1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109
D512	1S188	(1)	1N34AS	1N34A	PTC207	HEPR9134A	RE 47	SK3087	RT-200	ECG109
	1N60		1N60	1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109
D513	XZ100	(1)	GEZD-10	Z1210	ZB10A	HEPZ0413	RE 115	SK3061	RT-241	ECG140
O601	1S1588	(1)	GE-300	D200	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177
	ITT73N		GE-514	1R914	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG519
O602	1S1588	(1)	GE-300	D200	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177
	ITT73N		GE-514	1R914	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG519
D603	1S1588	(1)	GE-300	D200	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177
	ITT73N		GE-514	1R914	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG519
D604	1S188	(1)	1N34AS	1N34A	PTC207	HEPR9134A	RE 47	SK3087	RT-200	ECG109
	1N60		1N60	1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109
D606	XZ076	(1)	GEZD-7.5	Z1207	ZB7.5A	HEPZ0410	RE 111	SK3059	RT-239	ECG138
D701	DS130	(1)	GE-504A	5A40	PTC201	HEPR0052	RE 49	SK3030	RT-213	ECG116
	1001		GE-504A	5A40	PTC201	HEPR0052	RE 49	SK3030	RT-213	ECG116
IC301	M51171L	(1)								
	CX-075B									
IC501	TA7061AP	(1)	GEIC-92	WEP941	PTC781		RE 344-M	SK3223	TVCN-78	ECG1100
IC701	LA4400	(1)								ECG1193
Q101	2SC930	(1)	GE-60 *	(IR)2SC772	PTC132 *	HEPS0016 *	RE 9	SK3039 *	RT-308	ECG229 *
	2SC839		GE-61 *	(IR)2SC644	PTC132 *	HEPS0015 *	RE 13 *	SK3018 *	RT-308	ECG123A *
Q102	2SC930	(1)	GE-60 *	(IR)2SC772	PTC132 *	HEPS0016 *	RE 9	SK3039 *	RT-308	ECG229 *
	2SC839		GE-61 *	(IR)2SC644	PTC132 *	HEPS0015 *	RE 13 *	SK3018 *	RT-308	ECG123A *
Q301	2SC930	(1)	GE-60 *	(IR)2SC772	PTC132 *	HEPS0016 *	RE 9	SK3039 *	RT-308	ECG229 *
	2SC839		GE-61 *	(IR)2SC644	PTC132 *	HEPS0015 *	RE 13 *	SK3018 *	RT-308	ECG123A *
Q501	2SA733	(1)	GE-48	TR-31	PTC103 *	HEPS0019 *	RE 26 *	SK3138	RT-303	ECG294
	2SA562		GE-269	TR-31	PTC103 *	HEPS0012 *	RE 197 *	SK3114	RT-106	ECG290
Q502	2SC945	(1)	GE-212	(IR)2SC945	PTC121 *	HEPS0015 *	RE 192	SK3124	RT-107A	ECG199
	2SC536		GE-212	(IR)2SC536	PTC121 *	HEPS0016 *	RE 192	SK3124	RT-107A	ECG199
	2SC828	(1)	GE-61 *	(IR)2SC828A	PTC121 *	HEPS0015 *	RE 192	SK3122	RT-302	ECG199
Q503	2SC945	(1)	GE-212	(IR)2SC945	PTC121 *	HEPS0015 *	RE 192	SK3124	RT-107A	ECG199
	2SC536		GE-212	(IR)2SC536	PTC121 *	HEPS0016 *	RE 192	SK3124	RT-107A	ECG199
Q504	2SA495-0	(1)	GE-221 *	(IR)2SA495	PTC103 *	HEPS0013 *	RE 26 *	SK3114	RT-303	ECG159 *
	2SA495		GE-221 *	(IR)2SA495	PTC103 *	HEPS0013 *	RE 26 *	SK3114	RT-303	ECG159 *
Q505	2SK30-Y	(1)	GE-FET-2	FE-100	PTC161	HEPF0021	RE 45	SK3116	RT-175	ECG312
	2SK84		GE-FET-2	FE-100	PTC161	HEPF0021	RE 45	SK3116	RT-175	ECG312
Q506	2SA733	(1)	GE-48	TR-31	PTC103 *	HEPS0019 *	RE 26 *	SK3138	RT-303	ECG294
	2SA562		GE-269	TR-31	PTC103 *	HEPS0012 *	RE 197 *	SK3114	RT-106	ECG290
	2SA608	(1)	GE-82 *	TR-20 *	PTC103 *	HEPS0013 *	RE 26 *	SK3114	RT-103A *	ECG159 *
Q507	2SC536	(1)	GE-212	(IR)2SC536	PTC121 *	HEPS0016 *	RE 192	SK3124	RT-107A	ECG199
	2SC945		GE-212	(IR)2SC945	PTC121 *	HEPS0015 *	RE 192	SK3124	RT-107A	ECG199
	2SC828	(1)	GE-61 *	(IR)2SC828A	PTC121 *	HEPS0015 *	RE 192	SK3122	RT-302	ECG199
Q601	2SC945	(1)	GE-212	(IR)2SC945	PTC121 *	HEPS0015 *	RE 192	SK3124	RT-107A	ECG199
	2SC536		GE-212	(IR)2SC536	PTC121 *	HEPS0016 *	RE 192	SK3124	RT-107A	ECG199
	2SC828	(1)	GE-61 *	(IR)2SC828A	PTC121 *	HEPS0015 *	RE 192	SK3122	RT-302	ECG199
Q602	2SC945	(1)	GE-212	(IR)2SC945	PTC121 *	HEPS0015 *	RE 192	SK3124	RT-107A	ECG199
	2SC536		GE-212	(IR)2SC536	PTC121 *	HEPS0016 *	RE 192	SK3124	RT-107A	ECG199
	2SC828	(1)	GE-61 *	(IR)2SC828A	PTC121 *	HEPS0015 *	RE 192	SK3122	RT-302	ECG199
Q603	2SD325	(1)	GE-28	WEP1306	PTC110	HEPS5027	RE 42	SK3197	RT-197	ECG186
Q604	2SC828	(1)	GE-61 *	(IR)2SC828A	PTC121 *	HEPS0015 *	RE 192	SK3122	RT-302	ECG199
	2SC945		GE-212	(IR)2SC945	PTC121 *	HEPS0015 *	RE 192	SK3124	RT-107A	ECG199
	2SC536	(1)	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
	2SC945		GE-212	(IR)2SC945	PTC121 *	HEPS0015 *	RE 192	SK3124	RT-107A	ECG199
	2SC828	(1)	GE-61 *	(IR)2SC828A	PTC121 *	HEPS0015 *	RE 192	SK3122	RT-302	ECG199
Q702	2SC536	(1)	GE-212	(IR)2SC536	PTC121 *	HEPS0016 *	RE 192	SK3124	RT-107A	ECG199
	2SC945		GE-212	(IR)2SC945	PTC121 *	HEPS0015 *	RE 192	SK3124	RT-107A	ECG199

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.
Q901	2SC828	(1)	GE-61 *	(IR)2SC828A	PTC121 *	HEP50015 *	RE 192	SK3122	RT-302	ECG199
	BC546		GE-61 *		PTC132 *	HEP50015	RE 13	SK3018	RT-308	ECG123A
	2SC1247	(1)	GE-210 *	TR-24	PTC123 *	HEP50025	RE 17 *	SK3122	RT-300	ECG128 *
Q902	2SC1175	(1)	GE-210 *	TR-24 *	PTC123 *	HEP50025 *	RE 17 *	SK3122	RT-300	ECG128 *
	2SC1957	(12)	GE-270	WEP913	PTC180	HEP5044	RE 209			ECG295
	2SC2028	(1)	GE-270	WEP913	PTC180	HEP5044	RE 209			ECG295
Q903	2SC2079	(1)	GE-270	WEP913	PTC180	HEP5044	RE 209			ECG295
	2SC1909	(13)	GE-215	WEP1306	PTC186		RE 203	SK3197	RT-146	ECG235
	2SC2029	(1)	GE-333	WEP1306	PTC186		RE 203	SK3197	RT-146	ECG235
	2SC2078	(1)	GE-215	WEP1306	PTC186		RE 203	SK3197	RT-146	ECG235

* Lead configuration may vary from original.

(1) Used in some versions.

(12) 6 WATT @ 1.0 AMPS.

(13) 10 WATT @ 3 AMPS.

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	(1)	PC5-50	VTT4R7B50	QV1-27	EV-1319
C314	33 10V		PC30-25	VTT33B10	QV1-61	EV-1125
C501	1 50V		PC1-50	VTT1A50	QV1-11	EV-1615
C503	3.3 25V		PC5-50	VTT3R3A50	QV1-23	EV-1318
C508	33 10V		PC30-25	VTT33B10	QV1-61	EV-1125
C509	10 16V		PC10-25	VTT10B25	QV1-41	EV-1222
C511	3.3 50V		PC5-50	VTT3R3A50	QV1-25	EV-1618
C515	4.7 25V		PC5-50	VTT4R7B50	QV1-27	EV-1319
C517	47 10V		PC1-50	VTT4R7A63	QV1-3	EV-1610
C532A	47 16V		PC50-16	VTT47016	QV1-73	EV-1226
C602	1 10V		PC1-50	VTT1A50	QV1-9	EV-1315
C604	100 10V		PC100-10	VTT100E10	QV1-93	EV-1130
C606	47 10V		PC50-16	VTT47D16	QV1-73	EV-1226
C606	220 10V		PC250-10	VTT220F10	QV1-115	EV-1140
C701	.1 10V	(1)	PC30-25	VTT33B10	QV1-61	EV-1125
C704	33 10V		PC30-25	VTT33B10	QV1-61	EV-1125
C705	33 10V			TOC104M050EL	QOT1-2	SD50-R109
C706	.1 10V		PC5-50	TT6X5	QE1-107	TVA-1203
C710	4.7 6.3V		PC10-25	VTT10B25	QV1-41	EV-1222
C711	.1 10V			TDC104M050EL	QOT1-2	SD50-R109
C714	4.7 10V		PC5-50	VTT4R7B50	QV1-27	EV-1319
C717	220 10V		PC250-10	VTT220F10	QV1-115	EV-1140
C720	47 16V		PC50-16	VTT47D16	QV1-73	EV-1226
C722	220 16V		PC250-25	VTT220H16	QV1-117	EV-1240
C723	470 16V	(1)	PC500-16	VTT470K16	QV1-151	EV-1250
C728	1000 16V		PC1000-16	VTT1000L16	QV1-183	EV-1260
	100 16V		PC100-16	VTT100F16	QV1-95	EV-1230

(1) Used in some versions.

CAPACITORS

			REPLACEMENT DATA				
ITEM No.	RATING	MFR. PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.	
						Q-LINE	GENERAL LINE
C101	27 NPO 10%		DTZ-22 UK50-103	NP022	CN0427		10TCC-Q27
C102	22 NPO 10%				CN0422		10TCC-Q22
C103	.01				MAG5011		
C104	82 N220 5%				*		10TCR-Q82
C105	.04		UK50-103	NP02P2	GP140		5GA-S40
C106	.04				GP140		5GA-S40
C107	15 N220				*		10TCR-Q15
C108	.01				MAG5011		
C109	.04		UK50-333 DTZ-2R2	NP047	GP140		5GA-S40
C110	.033				MAG50133		
C301	2				CN0522		10TCC-V22
C302	.04				GP140		5GA-S40
C303	47		DTZ-47	NP047	CN0447	QFT2-159 QFT2-159	10TCC-Q47
C304	.039 50V		DTZ-68	NP068	M192P3939R8		1FT-S39
C305	.039 50V				M192P3939R8		1FT-S39
C306	68 5%				CN0468		10TCC-Q68
C307	.04				GP140	5GA-S40	
C308	.04				GP140		5GA-S40
C309	.04				GP140		5GA-S40
C310	.039 50V				M192P3939R8	QFT2-159	1FT-S39

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
C311	.039 50V	(1)	UK50-333 DC-253	MGP025 WMF1S1	M192P3939RB	QFT2-159	1FT-S39
C312	.022 50V				M192P2239RB	QFT2-127	1FT-S22
C315	.039				MAG50133		TG-S25
C316	.033				TA125		1FT-S10
C502	.022				EWFA1A110	QFT2-91	1FT-S22
C506	.01 50V				M192P2239RB	QFT2-127	10TCC-T27
C507	.022 50V						
C510	270 10%		DTZ-270				
C512	.033		UK50-333		MAG50133		1FT-S22
C513A	.022 50V				M192P2239RB	QFT2-127	10TCR-V30
C513B	2 N220	(1)	OD-472	GP4700	*		56A-D47
C514	.0047				GP247		1FT-S22
C516	.022				M192P2239RB	QFT2-127	10TCC-Q27
C518	27				CN0427		
C519	.033		UK50-333		MAG50133		
C520	.033		UK50-333		MAG50133		
C521	.033		UK50-333		MAG50133		
C522	.02		UK50-223		MAG5012		
C523	.02		UK50-223		MAG5012		
C524	150 N220 5%				*		10TCR-T15
C525	.02	(1)	UK50-223	NP047	MAG5012		
C526	47		DTZ-47		CN0447		10TCC-Q47
C527	.01		UK50-103		MAG5011		
C528	.001 50V				EWFA1A210	QFT2-1	1FT-D10
C529	.01 50V				EWFA1A110	QFT2-91	1FT-S10
C532B	.04				GP140		56A-S40
C536	.001				EWFA1A210	QFT2-1	1FT-D10
C603	.0047		DD-472		GP247		56A-D47
C605	.039				GP140		56A-S40
C607	.01		UK50-103		MAG5011		
C608	.01	(1)	UK50-103	WMF1S1	MAG5011		
C702	.039 50V				M192P3939RB	QFT2-159	1FT-S39
C703	.039 50V				M192P3939RB	QFT2-159	1FT-S39
C708	.01 50V				EWFA1A110	QFT2-91	1FT-S10
C709	.022 50V				M192P2239RB	QFT2-127	1FT-S22
	.039				M192P3939RB	QFT2-159	1FT-S39
C712	.039 50V				M192P3939RB	QFT2-159	1FT-S39
	.068				EWFA1A168	QF1-195	1PB-S68
C715	.01 50V				EWFA1A110	QFT2-91	1FT-S10
C716	.0068 50V				EWFA1A268	QFT2-73	1FT-D68
C718	330	(1)	DD-331	WMF1S68	GP333		10TS-T33
C719	.068 50V				EWFA1A168	QF1-195	1PB-S68
C721	.068 50V				EWFA1A168	QF1-195	1PB-S68
C724	.1		CK-104		MAG5001		
C725	.0047		DD-472		GP247		56A-D47
C726	.01 50V				EWFA1A110	QFT2-91	1FT-S10
C727	.01 50V				EWFA1A110	QFT2-91	1FT-S10
C729	.001		DD-102		GP210		10TS-D10
C901	.0047		DD-472		GP247		56A-D47
C902	.02		UK50-223	GP4700	MAG5012		10TCR-Q50
C903	50 N220 5%	(1)		GP390	*		
C904	.033		UK50-333		MAG50133		
C905	.033		UK50-333		MAG50133		
	.039				GP140		56A-S40
C906	.0022				GP222		10TS-D22
C908	100 N220 5%				*		10TCR-T10
C909	33 N220 5%				*		10TCR-Q33
C910	.04				GP140		56A-S40
C911	.0022				GP222		10TS-D22
C912	.01		UK50-103		MAG5011		
C913	390	(1)	DD-391	GP4700	GP339		10TS-T39
C914	50 N220 5%				*		10TCR-Q50
C915	220 10%		DTZ-220				10TCC-T22
C916	.01		UK50-103		MAG5011		
C917	.0047		DD-472		GP247		56A-D47
C918	.04				GP140		56A-S40
C919	.039						
C920	.1		CK-104		MAG5001		
	.01		UK50-103		MAG5011		
C921	.01		UK50-103		MAG5011		
C922	.01	(1)	UK50-103		MAG5011		
C923	.01		UK50-103		MAG5011		
C924	.01		UK50-103		MAG5011		
C925	.04				GP140		56A-S40
C927	.04				GP140		56A-S40

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

(1) Used in some versions.

PARTS LIST AND DESCRIPTION (CONTINUED)

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

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

ITEM No.	FUNCTION	RESISTANCE	REPLACEMENT DATA				
			MFGR. PART No.	CENTRALAB PART No.	CLAROSTAT PART No.	MALLORY PART No.	TRW PART No.
VR1	IF Gain	100K	(18)	T-100K (3)	C-104 (3)	MTC15L1 (3)	X201R104B (3)
VR2	Squelch	10K					
VR3	Squelch Range	50K		T-50K (3)	C-503 (3)	MTC54L1 (3)	X201R503B (3)
VR4	RX Signal	5000		T-5000 (3)	C-502 (3)	MTC53L1 (3)	X201R502B (3)
VR5	Volume	10K					
VR6	PA Volume/ Power Switch	100K					
VR7	AMC	1000					
VR8	RF Gain	100K					
VR9	TX Power	50K		T-50K (3)	C-503 (3)	MTC54L1 (3)	X201R503B (3)
VR10	RF Cont (AGC)	10K		T-10K (3)	C-103 (3)	MTC14L1 (3)	X201R103B (3)

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

(18) Includes VR5 and VR6.

RESISTORS (Power and Special)

ITEM No.	RATING	REPLACEMENT DATA		ITEM No.	RATING	REPLACEMENT DATA	
		WORKMAN PART No.	MFGR. PART No.			WORKMAN PART No.	MFGR. PART No.
IR501	Resistor Network						

COILS (RF-IF)

ITEM No.	FUNCTION	REPLACEMENT DATA			REMARKS
		PART No.	OTHER IDENTIFICATION	MILLER PART No.	
F901	RF Choke		54		
L101	Rec Antenna (27MHz)		7R815	CBS126	
L102	Rec RF		9R828	CBS742-T	
L501	Blanker Input (20MHz)		9R862		
L502	Blanker Output (20MHz)		9R828	CBS742-T	
L901	XMT Buffer (27MHz)				
L903	XMT Driver (27MHz)				
L904	RF Choke				
L905	RF Choke				
L906	Pi Filter (27MHz)				
T301	Rec Mixer (10.695MHz)		6R717		
T302	Rec Mixer (10.695MHz)				
T303	IF (455kHz)		10-TC		
T304	IF (455kHz)		6R7346603		

FILTER CHOKE

ITEM No.	RATINGS			REPLACEMENT DATA			NOTES
	CURRENT (Measured)	DC RES.	INDUCTANCE (O CURRENT 1000~)	MFGR. PART No.	THORDARSON PART No.	TRIAD PART No.	
T702	1.3A	.26	1.13mH	R810 (1)	TR574		(1) Number on unit.

CHANNEL MASTER MODEL CB-6832

PARTS LIST AND DESCRIPTION (CONTINUED)

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

TRANSFORMER (Audio Output)

ITEM No.	IMPEDANCE			REPLACEMENT DATA			NOTES
	PRI.	SEC.		MFG. PART No.	THORDARSON PART No.	TRIAD PART No.	
T701	3.9	1 8	2 39	4R809 (1)	TR836		(1) Number on unit.

SPEAKER

ITEM No.	TYPE	REPLACEMENT DATA		NOTES
		MFG. PART No.	QUAM PART No.	
SP1	2 3/4" PM 8 Ohms		27A05Z8	

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			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		18-032	18-034	18-010	18-092	2	4	3	1	NC	4	

MISCELLANEOUS

ITEM No.	PART NAME	PART No.	NOTES
F301	Filter		455kHz
F302	Filter		455kHz
S1	Switch		NB/ANL
S2	Switch		Channel Selector
S3	Switch		Delta Tune
S4	Switch		CB/PA

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')