

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 HB-740(99-33573)

MANUFACTURER'S SPECIFICATIONS

GENERAL

CIRCUITRY	Digital Phase Lock Loop Synthesizer
CHANNELS	40 channels in 27 MHz CB Band
MODE OF OPERATION	AM
POWER SOURCE	13.8V DC [neg or pos gnd]

RECEIVER SECTION

CIRCUIT TYPE	Dual conversion superheterodyne with RF stage and 455 KHz ceramic filter
SENSITIVITY	0.7 μ V for 10 dB S/N
SELECTIVITY	45 dB down at $\pm$ 10 KHz
IMAGE REJECTION	40 dB
SPURIOUS REJECTION	50 dB
DELTA TUNE RANGE	Approx. $\pm$ 1.2 KHz
AGC RANGE [for 10 dB level change]	80 dB
AUDIO OUTPUT POWER	3 Watts into EXT SPKR jack [at 8 ohms]
SQUELCH RANGE	0.7 μ V to 500 μ V
IF FREQUENCIES	1st: 10.695 MHz 2nd: 455 KHz

TRANSMITTER SECTION

RF POWER OUTPUT	Up to 4 Watts [at 13.8V DC] FCC max.
EMISSION	6 A 3
HARMONIC AND SPURIOUS SUPPRESSION	Exceeds FCC requirements
MODULATION	AM, 90% typical with Range Boost

MISCELLANEOUS

ANTENNA INPUT IMPEDANCE	Nominal 50 ohms
CURRENT DRAIN	Less than 1.2 amp at 12V DC
DIMENSIONS	7-1/8"W x 2-1/2"H x 9-1/4"D (overall) 181 mm x 64 mm x 235 mm (overall)
NET WEIGHT	3.7 lbs, 1.7 kg
ACCESSORIES	1. Push-to-Talk Dynamic Mic 2. DC power Cable [fused] 3. Mobile Mounting Bracket

Courtesy of the Manufacturer

LAFAYETTE MODEL HB-740

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:

GC Electronics:

L14,T7 thru T10.....5009

L7,L11,L12.....9304

L1,L2,L5,T1 thru T6.....9440

CT1.....5000

SYNTHESIZER ALIGNMENT

TEST EQUIPMENT	TRANSCEIVER	ADJUST	REMARKS
Input of frequency counter to TP1 (Q1, Emitter).	Ch. 19, Delta Tune 0	CT1	Adjust for 10.240MHz. +50Hz.
Input of RF VTVM to TP2 (T1, Secondary).	Ch. 19	T1	Adjust for maximum.
Input of DC meter to TP8.	Ch. 1	L1	Adjust for 3.6 volts +.1 volt.
Input of frequency counter to TP3 (IC3, Pin 2).	Ch. 19, Xmit		Check for 10.695MHz.
Input of RF VTVM to TP4 (IC3, Pin 4).	Ch. 19	L2,T2	Adjust for maximum.
Input of frequency counter to TP4 (IC3, Pin 4).	Ch. 1		Check for 37.660MHz. Check all channels (channel frequency + 10.695MHz = frequency on counter).

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 TP10 (Q10, Emitter). 455kHz,1000Hz @ 30% modulation.	Ch. 19, Delta Tune 0 LOC/Dist Dist Squelch MINIMUM	T10,T9,T8	Adjust for maximum output.
Output of signal generator thru .01uF to antenna jack. 27.185MHz,1000Hz @ 30% modulation.	Ch. 19, Delta Tune 0 LOC/Dist Dist Squelch MINIMUM	T7,L14,T6, T5	Adjust for maximum output. If necessary readjust T8, T9, and T10.

RECEIVER ADJUSTMENTS

Connect an AC VTVM or AF wattmeter across speaker voice coil.
Adjust volume control to obtain a suitable indication.

TEST EQUIPMENT	TRANSCEIVER	ADJUST	REMARKS
Output of signal generator thru .01uF to antenna jack. 27.185MHz, 1000Hz @ 30% modulation. Output 1000uV.	Ch. 19, Delta Tune 0 LOC/Dist Dist	RV1	SQUELCH RANGE Set Squelch Control VR2 fully clockwise. Adjust RV1 so that squelch just breaks.
Output of signal generator thru .01uF to antenna jack. 27.185MHz, 1000Hz @ 30% modulation. Output 100uV.	Ch. 19, Delta Tune 0 LOC/Dist Dist	RV3	SIGNAL METER Adjust RV3 for 9 on 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	TRANSCEIVER	ADJUST	REMARKS
	Ch. 19	L5, T3, T4, L7, L11, L12	Adjust for maximum.
	Ch. 19	L7	Adjust for 3.8 watts.

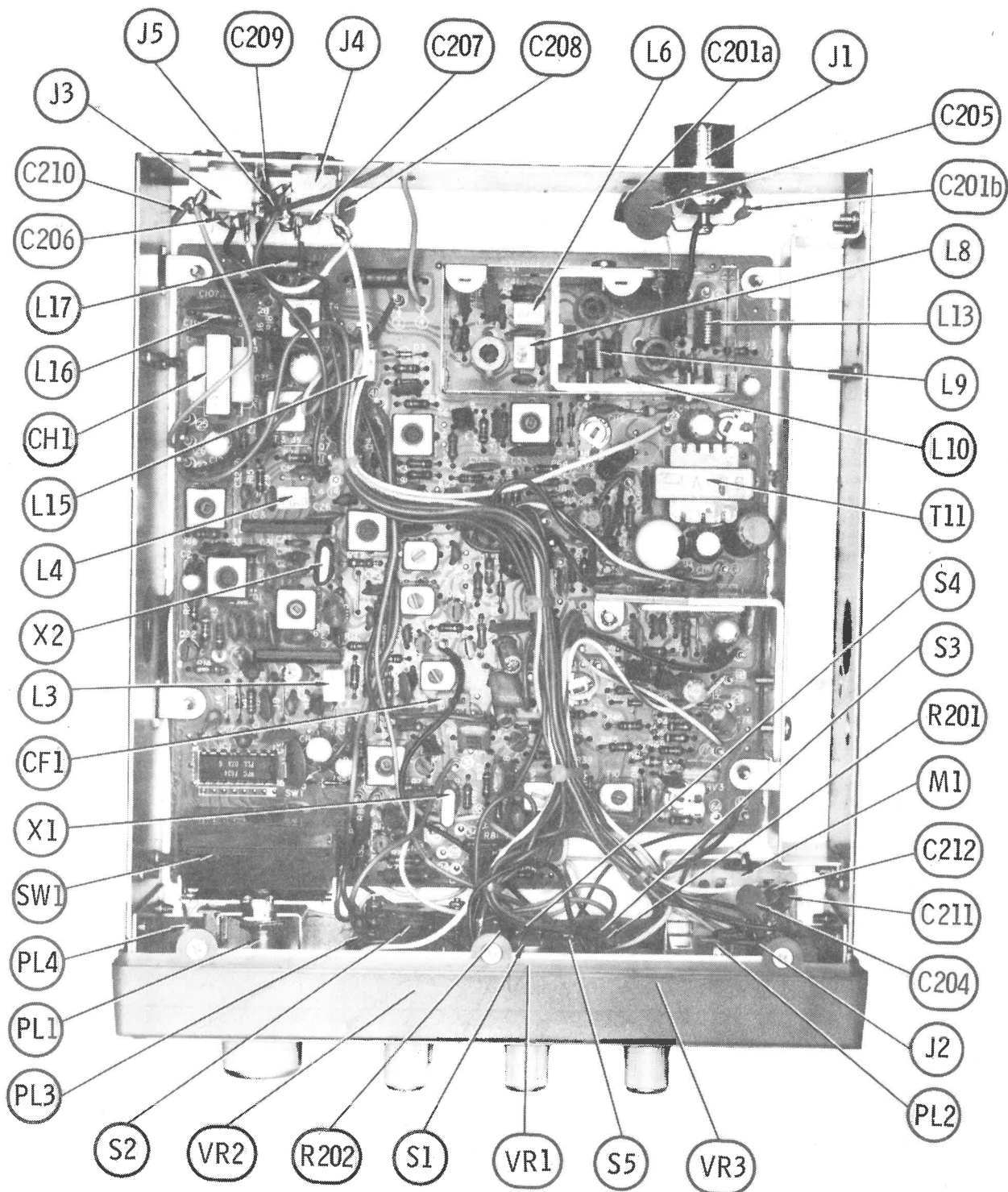
TRANSMITTER ADJUSTMENTS

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

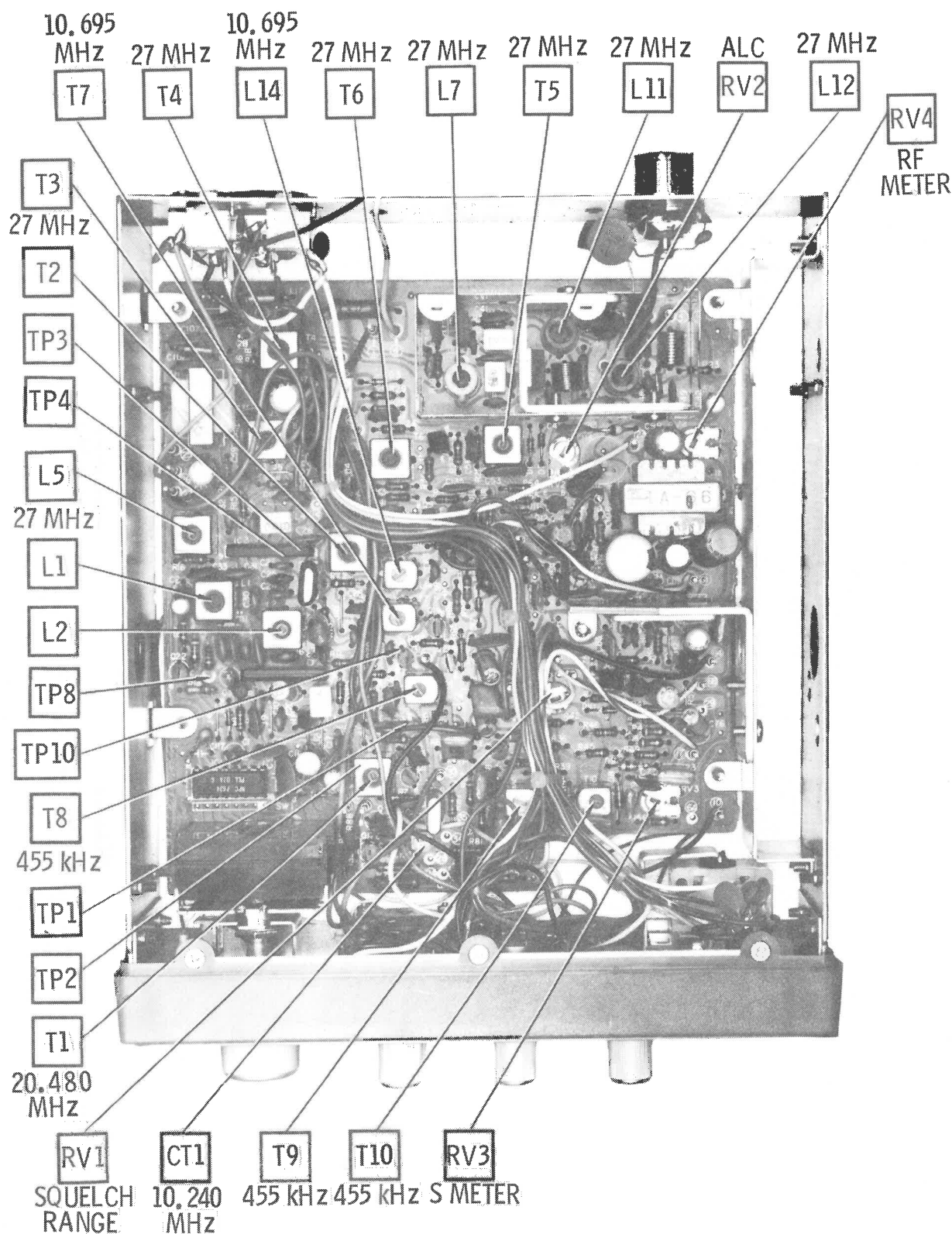
NOTE: Be sure to check transmit frequency and power on all active channels after adjustment of transmitter.

See page 4 for channel frequencies.

TEST EQUIPMENT	TRANSCEIVER	ADJUST	REMARKS
Modulation meter to antenna jack. Inject a 60mV, 1000Hz signal at MIC input.	Ch. 19	RV2	ALC Adjust for 90% modulation.
Connect an RF wattmeter and 50-ohm, 25-watt dummy load to antenna connector.	Ch. 19	RV4	RF PANEL METER Adjust RV4 so that RF Panel meter agrees with RF wattmeter.

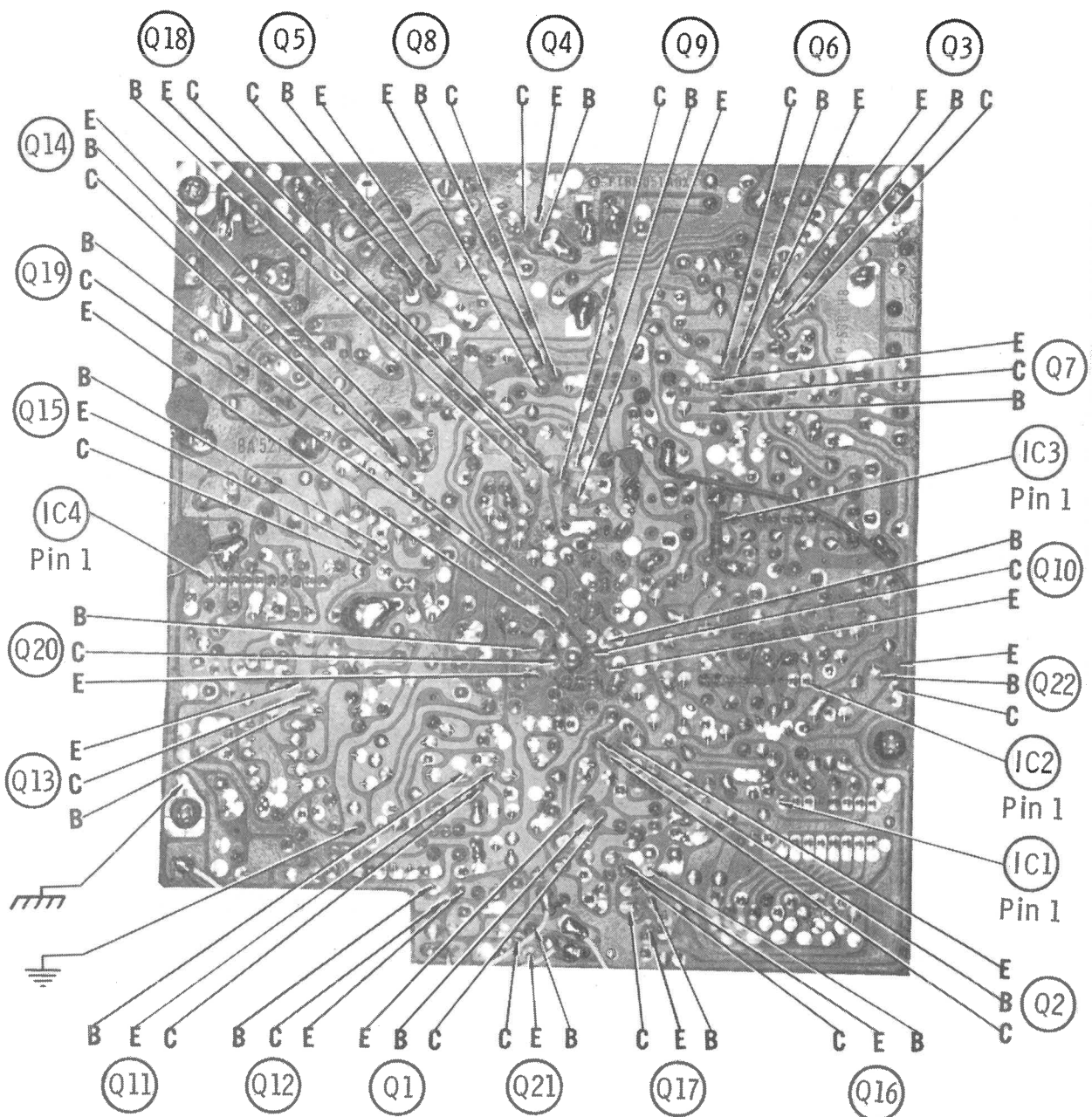


CHASSIS - BOTTOM

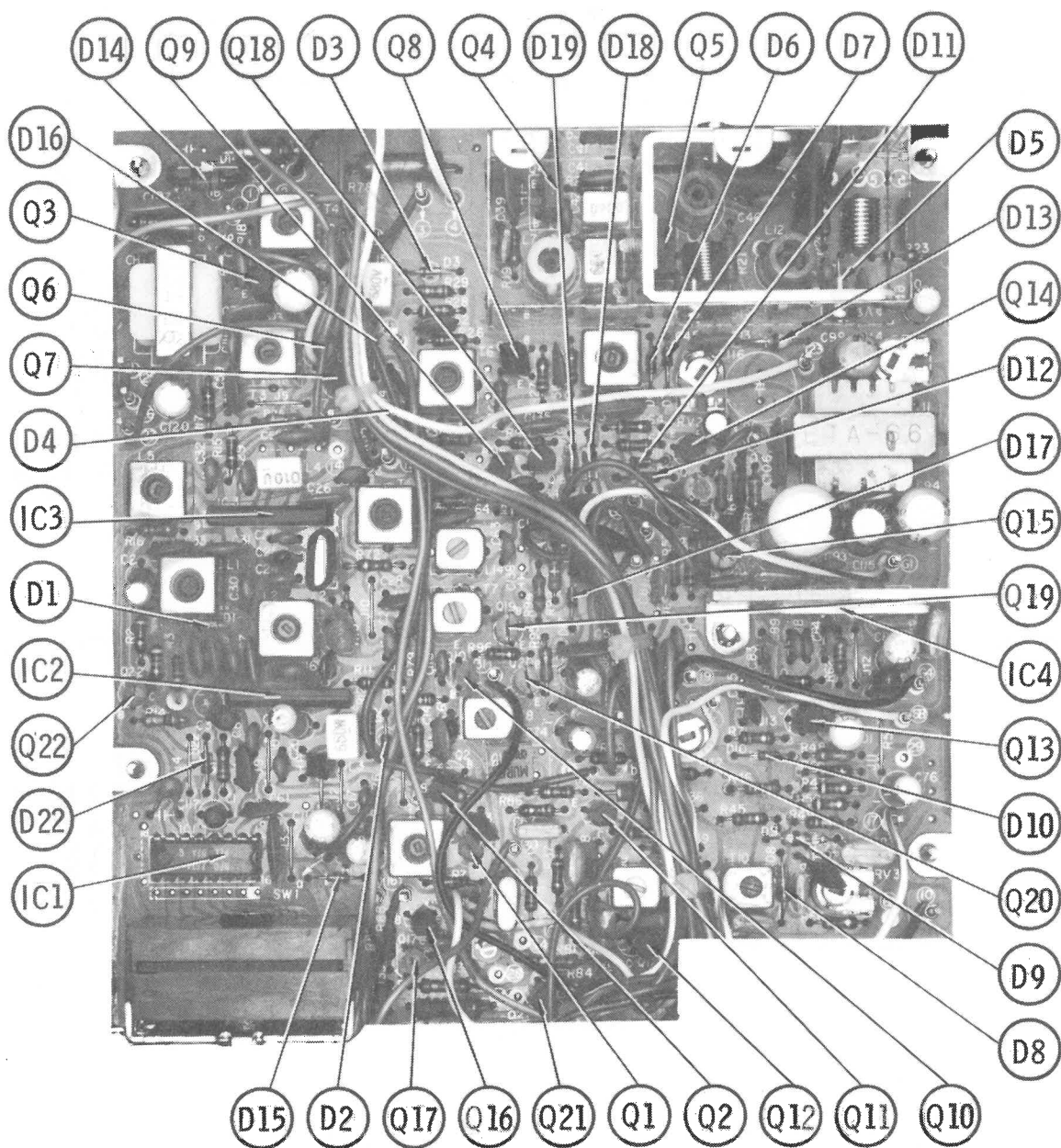


LAFAYETTE MODEL HB-740

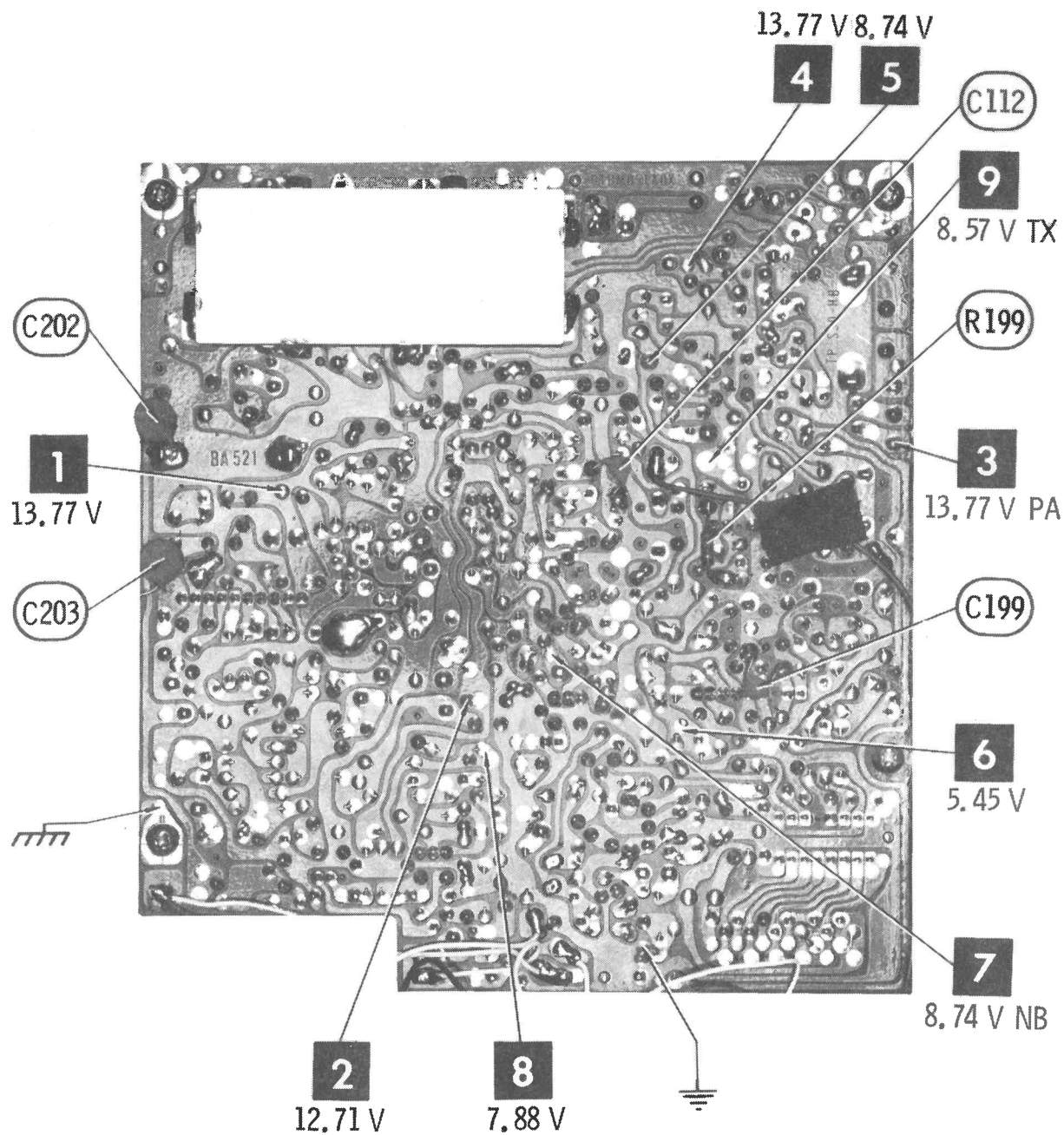
CHASSIS - BOTTOM



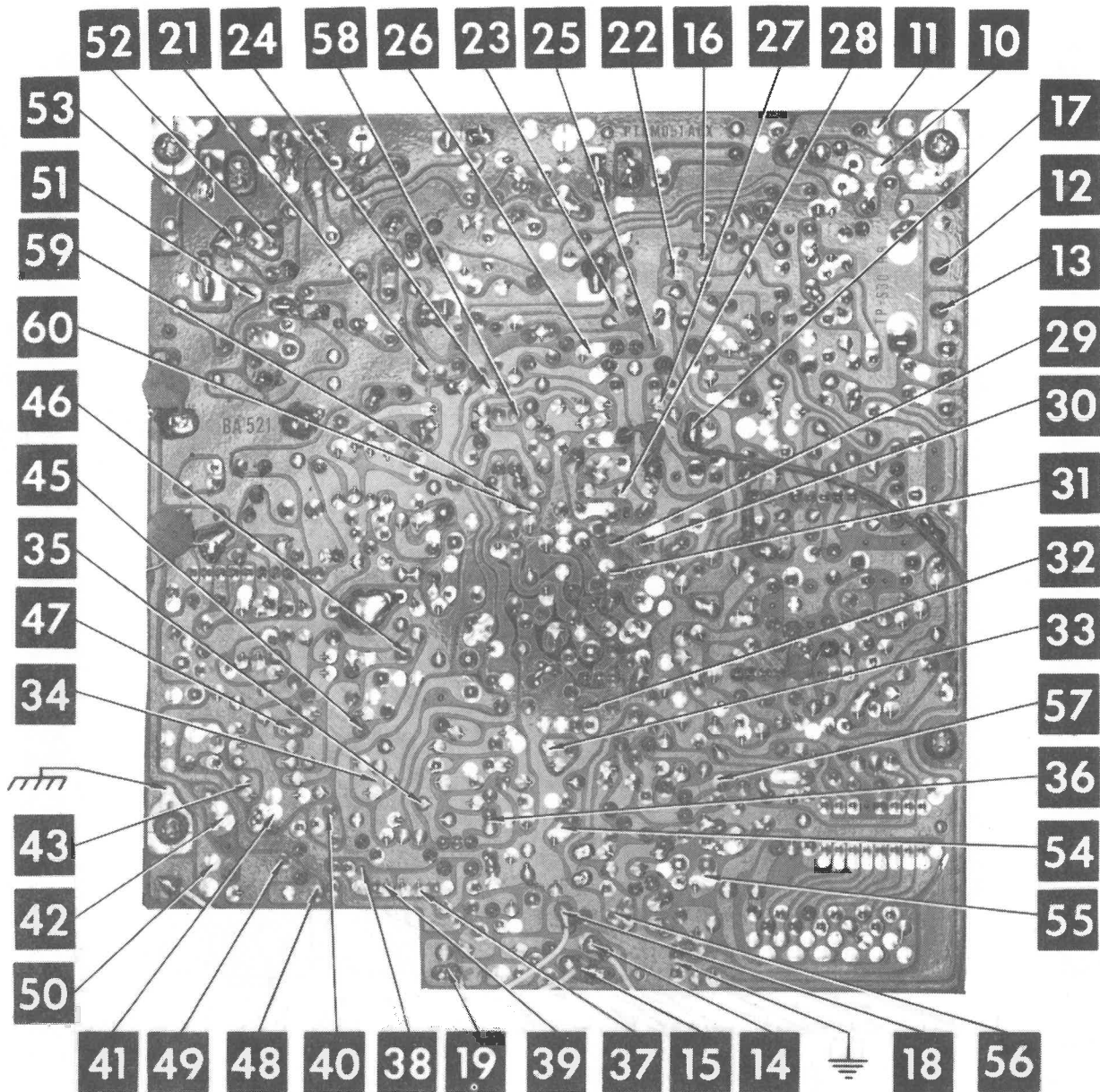
MAIN BOARD



MAIN BOARD

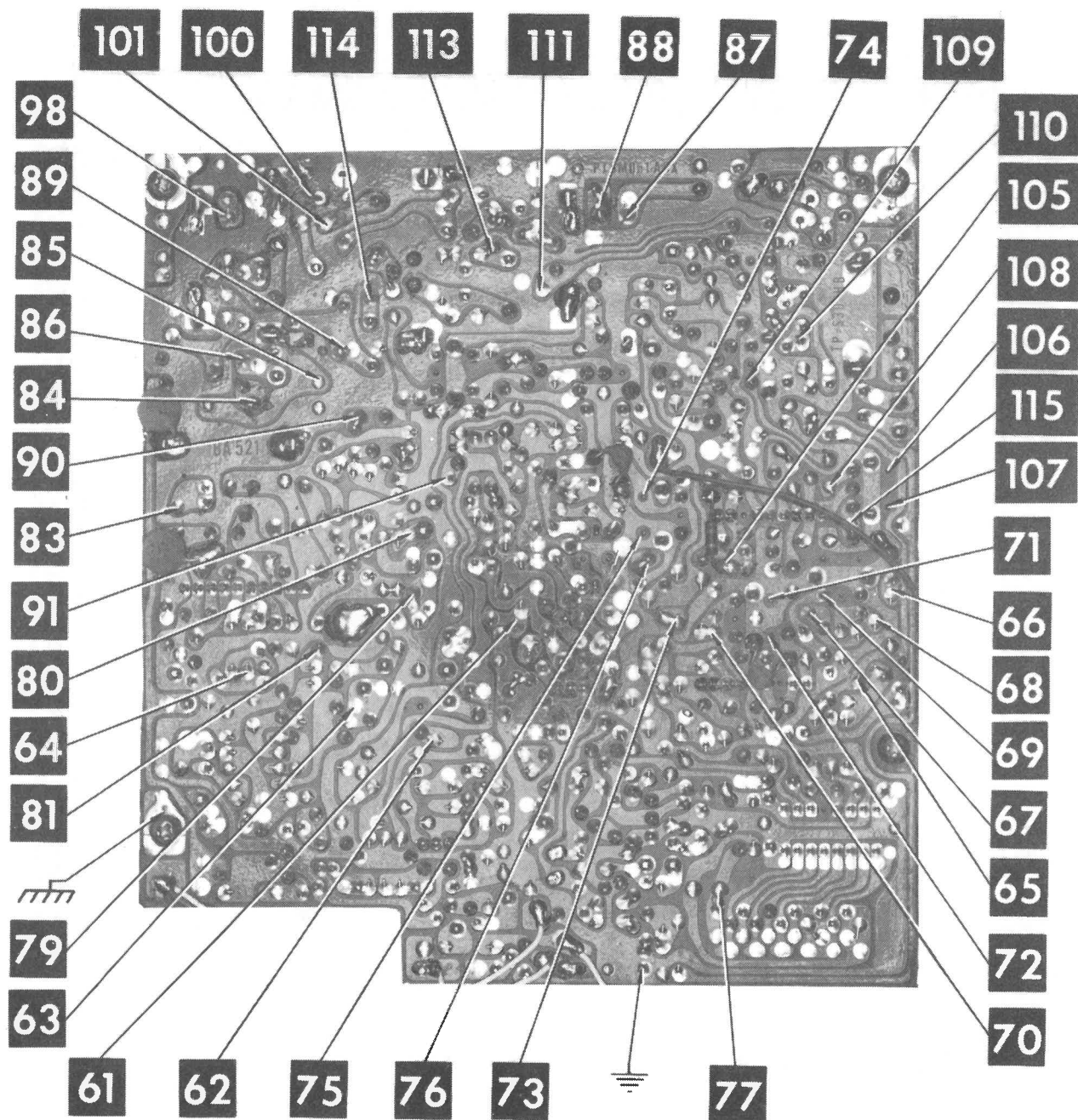


MAIN BOARD

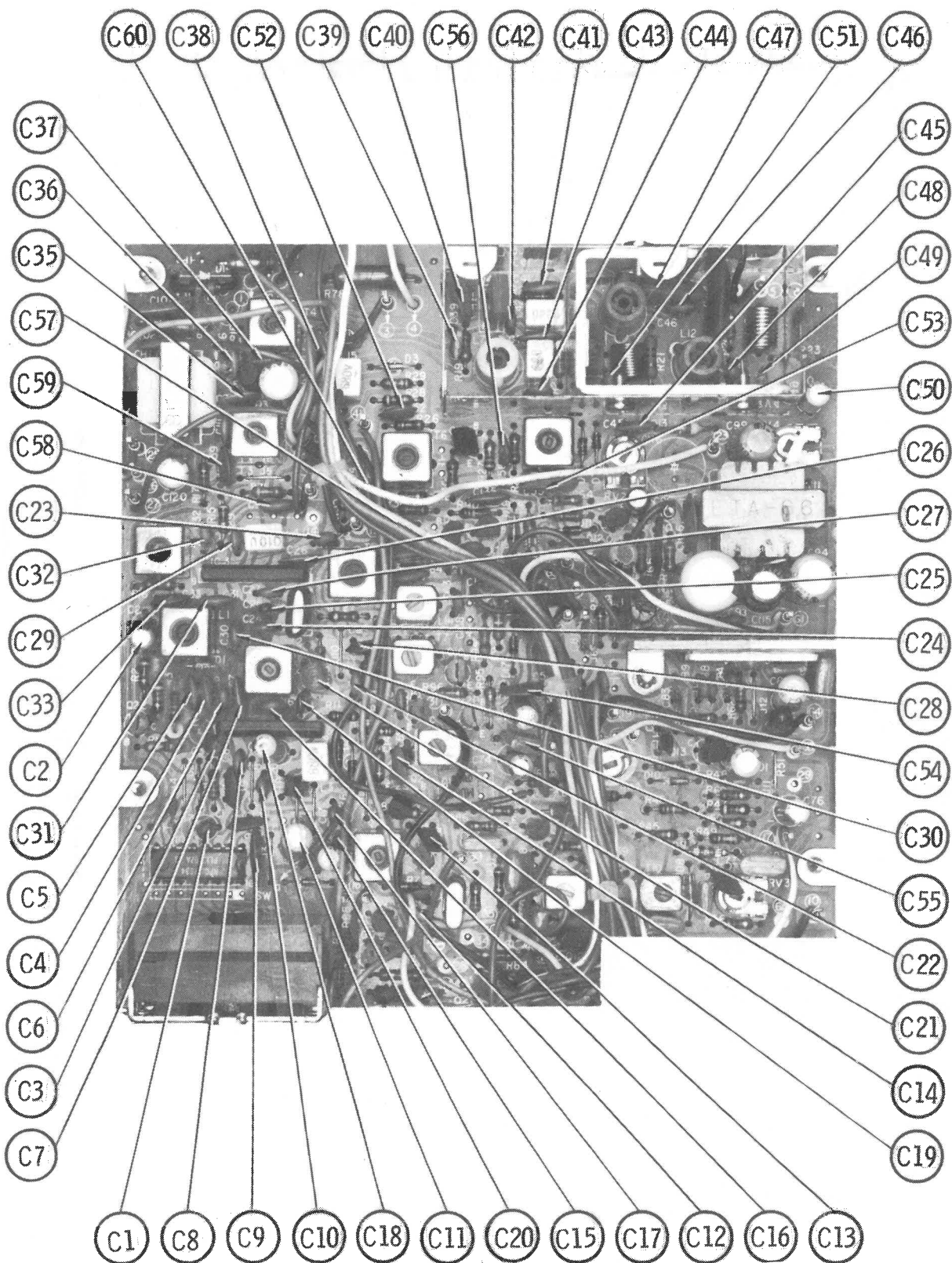


LAFAYETTE MODEL HB-740

MAIN BOARD

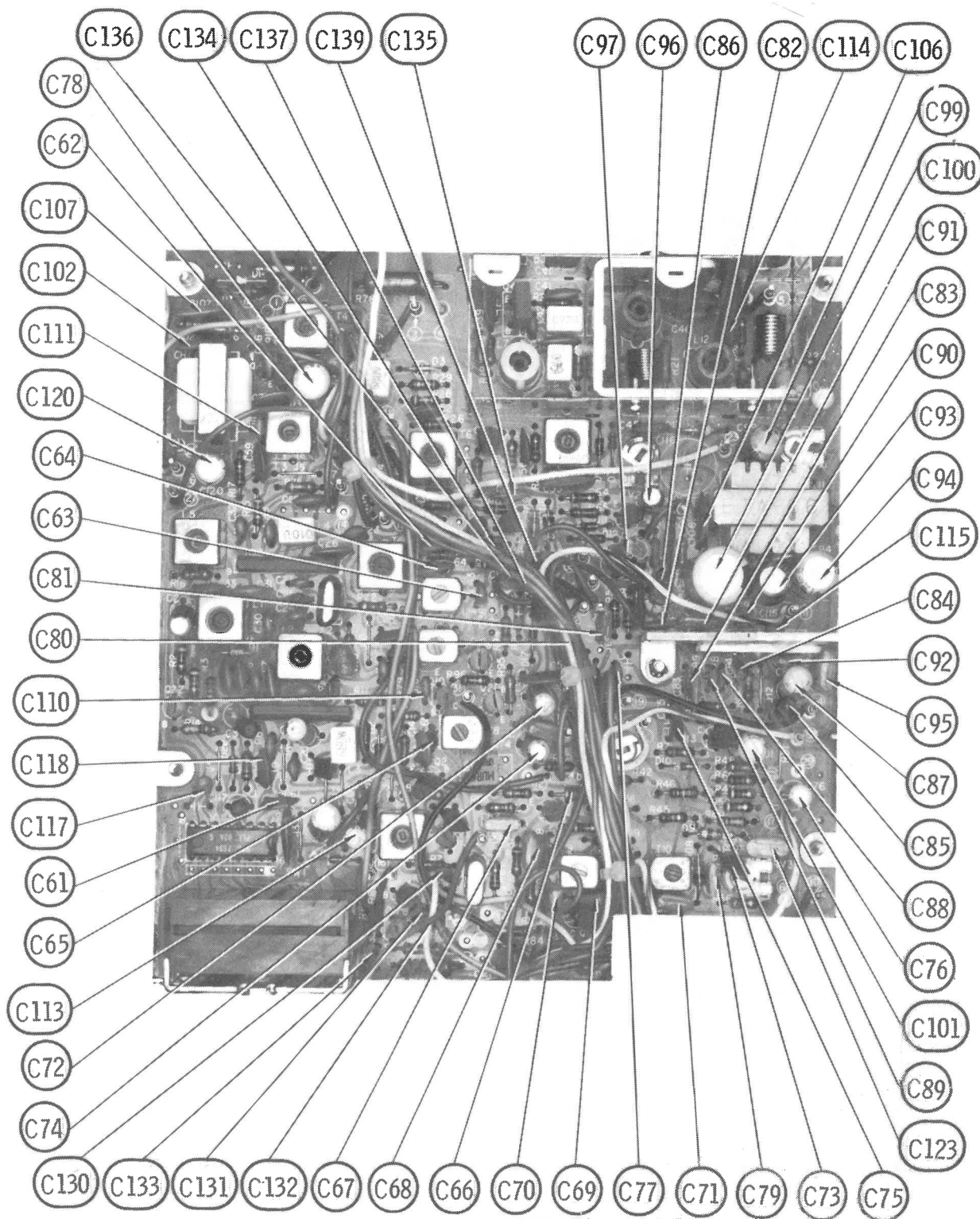


MAIN BOARD

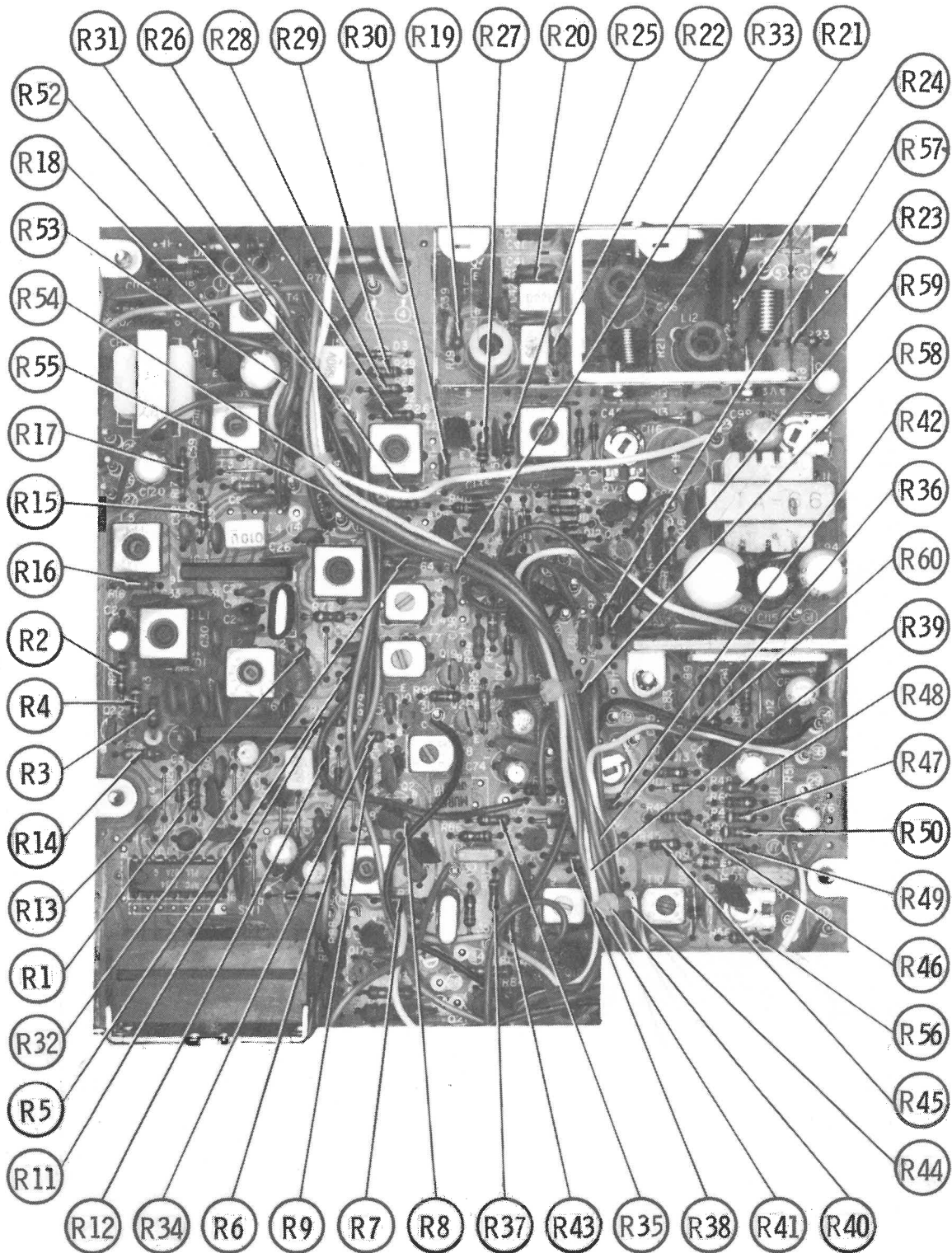


LAFAYETTE MODEL HB-740

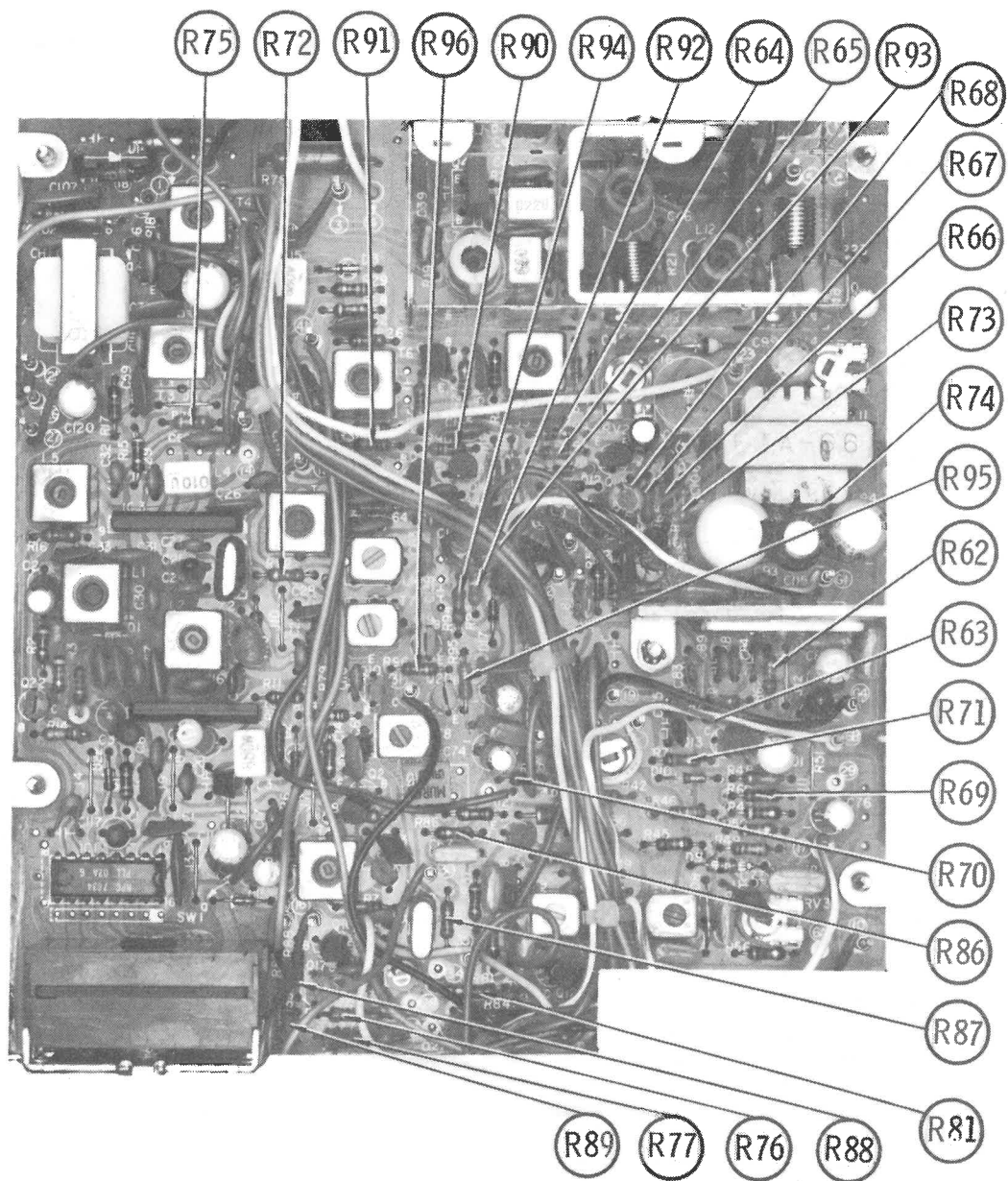
MAIN BOARD



MAIN BOARD



MAIN BOARD



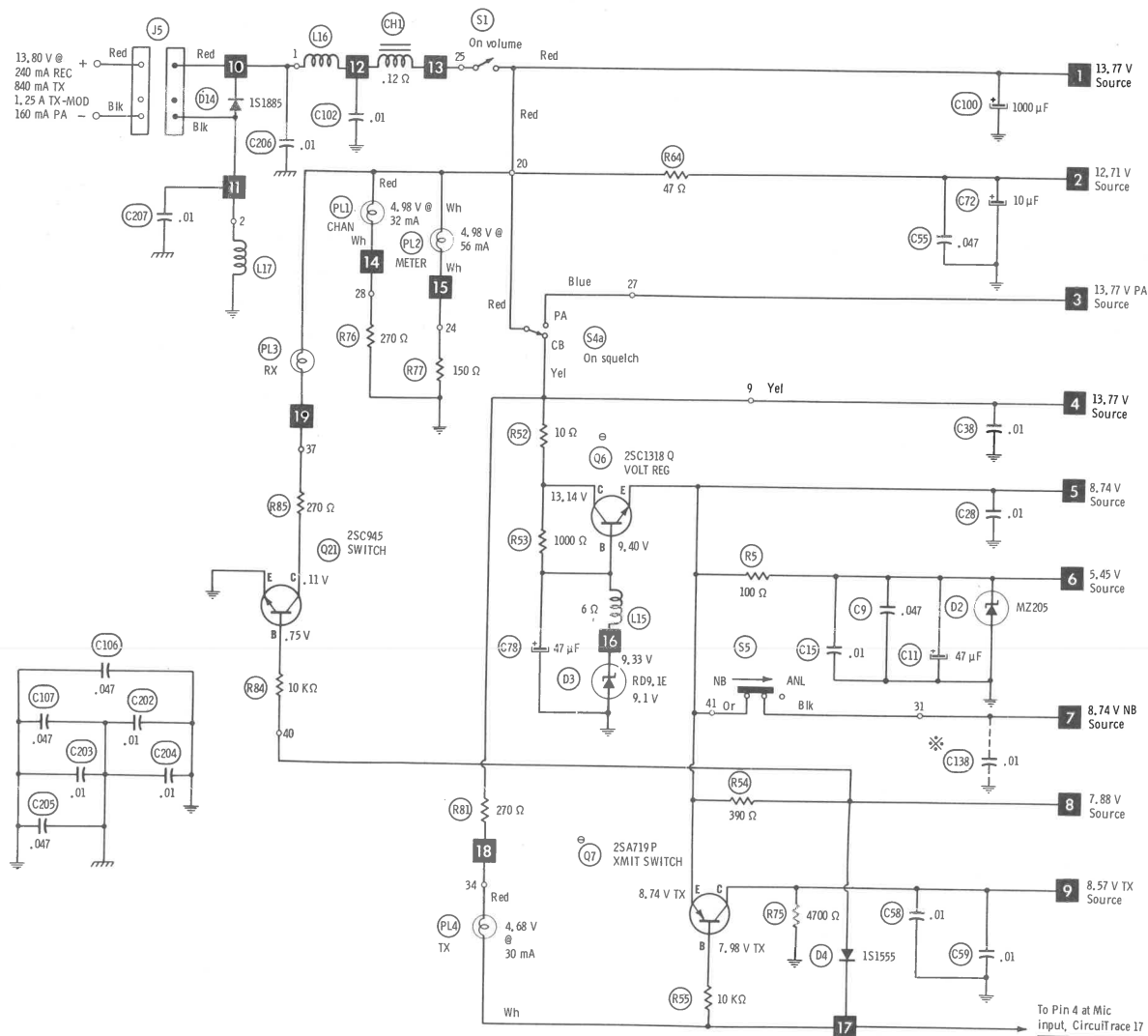
MAIN BOARD

TRUTH CHART

1 = <u>5.25</u> Volts 0 = <u>0</u> Volts								
C H A N N E L	IC1 PROGRAM DIVIDER							REC & XMT VCO OUTPUT IN MHz AT TP4
	PINS							
	9	10	11	12	13	14	15	
1	1	0	0	1	0	1	0	37.660
2	1	0	0	1	0	0	1	37.670
3	1	0	0	1	0	0	0	37.680
4	1	0	0	0	1	1	0	37.700
5	1	0	0	0	1	0	1	37.710
6	1	0	0	0	1	0	0	37.720
7	1	0	0	0	0	1	1	37.730
8	1	0	0	0	0	0	1	37.750
9	1	0	0	0	0	0	0	37.760
10	0	1	1	1	1	1	1	37.770
11	0	1	1	1	1	1	0	37.780
12	0	1	1	1	1	0	0	37.800
13	0	1	1	1	0	1	1	37.810
14	0	1	1	1	0	1	0	37.820
15	0	1	1	1	0	0	1	37.830
16	0	1	1	0	1	1	1	37.850
17	0	1	1	0	1	1	0	37.860
18	0	1	1	0	1	0	1	37.870
19	0	1	1	0	1	0	0	37.880
20	0	1	1	0	0	1	0	37.900

1 = <u>5.25</u> Volts 0 = <u>0</u> Volts								
C H A N N E L	IC1 PROGRAM DIVIDER							REC & XMT VCO OUTPUT IN MHz AT TP4
	PINS							
	9	10	11	12	13	14	15	
21	0	1	1	0	0	0	1	37.910
22	0	1	1	0	0	0	0	37.920
23	0	1	0	1	1	0	1	37.950
24	0	1	0	1	1	1	1	37.930
25	0	1	0	1	1	1	0	37.940
26	0	1	0	1	1	0	0	37.960
27	0	1	0	1	0	1	1	37.970
28	0	1	0	1	0	1	0	37.980
29	0	1	0	1	0	0	1	37.990
30	0	1	0	1	0	0	0	38.000
31	0	1	0	0	1	1	1	38.010
32	0	1	0	0	1	1	0	38.020
33	0	1	0	0	1	0	1	38.030
34	0	1	0	0	1	0	0	38.040
35	0	1	0	0	0	1	1	38.050
36	0	1	0	0	0	1	0	38.060
37	0	1	0	0	0	0	1	38.070
38	0	1	0	0	0	0	0	38.080
39	0	0	1	1	1	1	1	38.090
40	0	0	1	1	1	1	0	38.100

LAFAYETTE MODEL HB-740



✱ Circuitry not used in some versions

--- Circuitry used in some versions

⊙ See parts list

✱ Nominal value

⊥ Ground

⏏ Chassis

▽ Common tie point

Measurements made in Channel 1 with switching as shown unless noted.

Item numbers in rectangles appear in the alignment/adjustment instructions.

Supply voltage maintained as shown at input.

Voltages measured with digital meter, no signal.

Controls adjusted for normal operation.

Arrow at control indicates direction of advance.

Terminal identification may not be found on unit.

Resistors are 1/2W or less, 5% unless noted.

Value in () used in some versions.

A PHOTOFAC STANDARD NOTATION SCHEMATIC

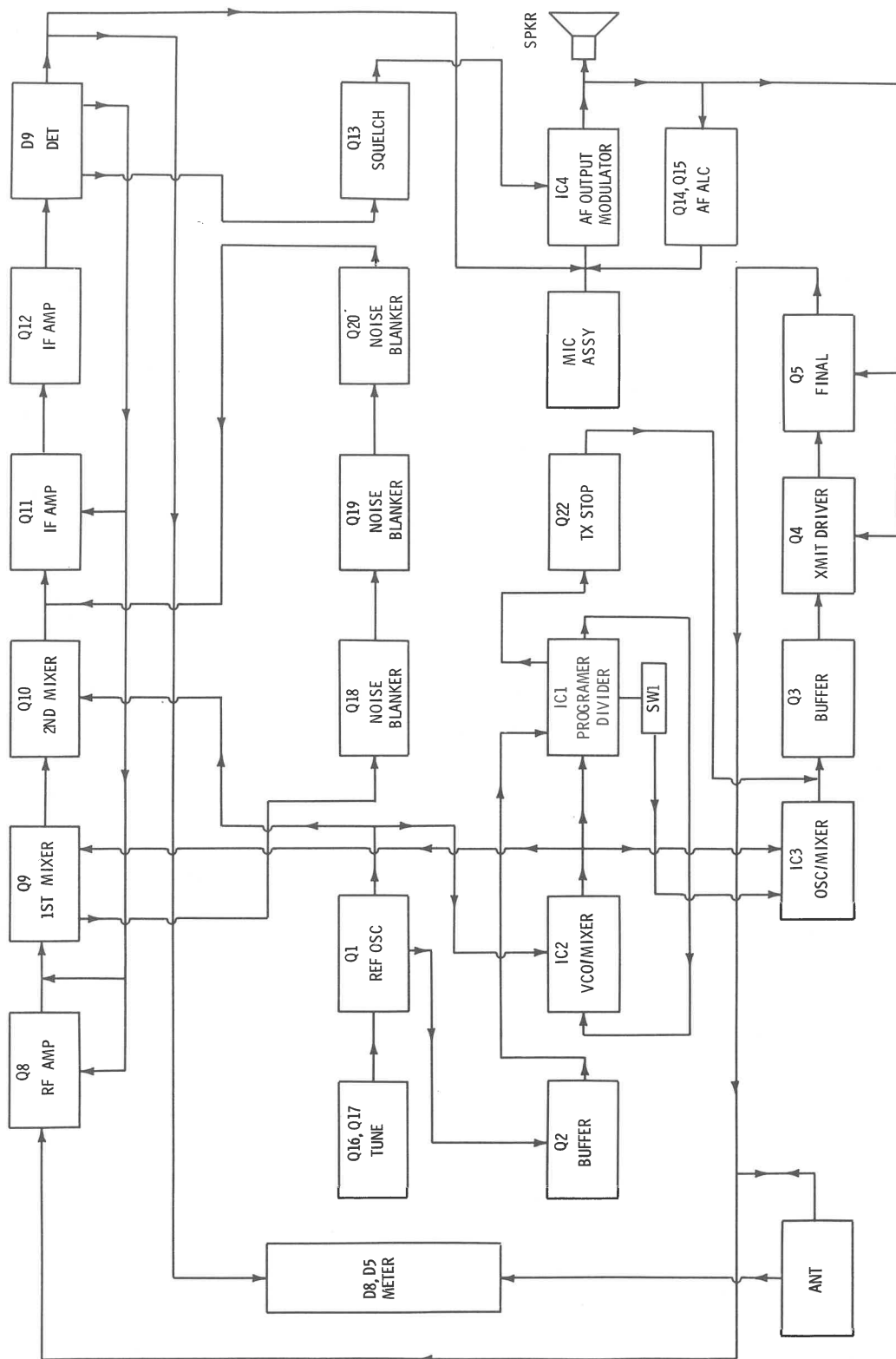
WITH **CIRCUITRACE**

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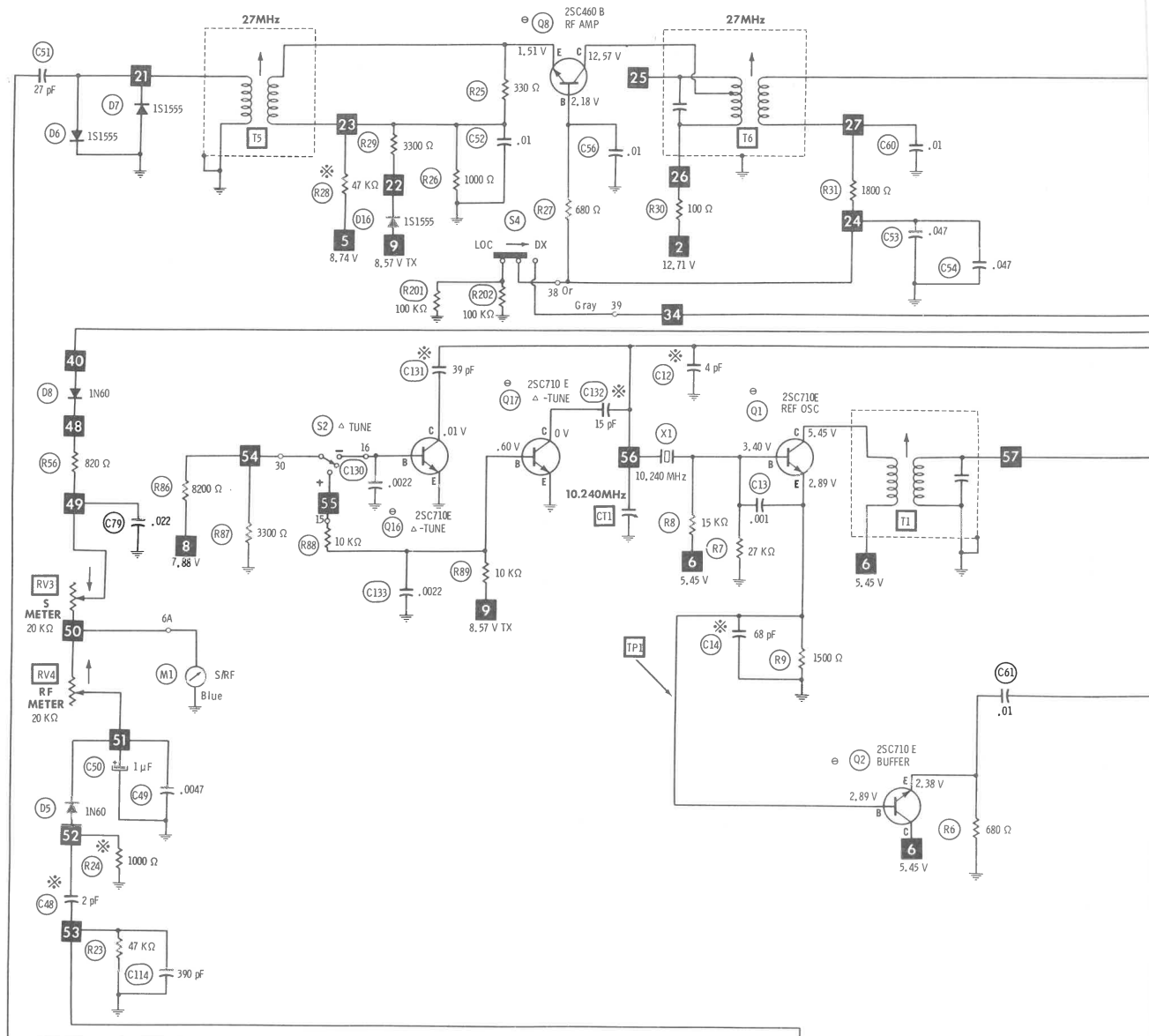
Transistor Terminal Guide



Q6, Q7, Q21
Bottom view



BLOCK DIAGRAM

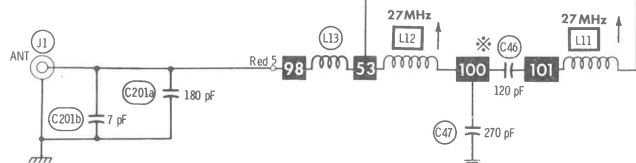


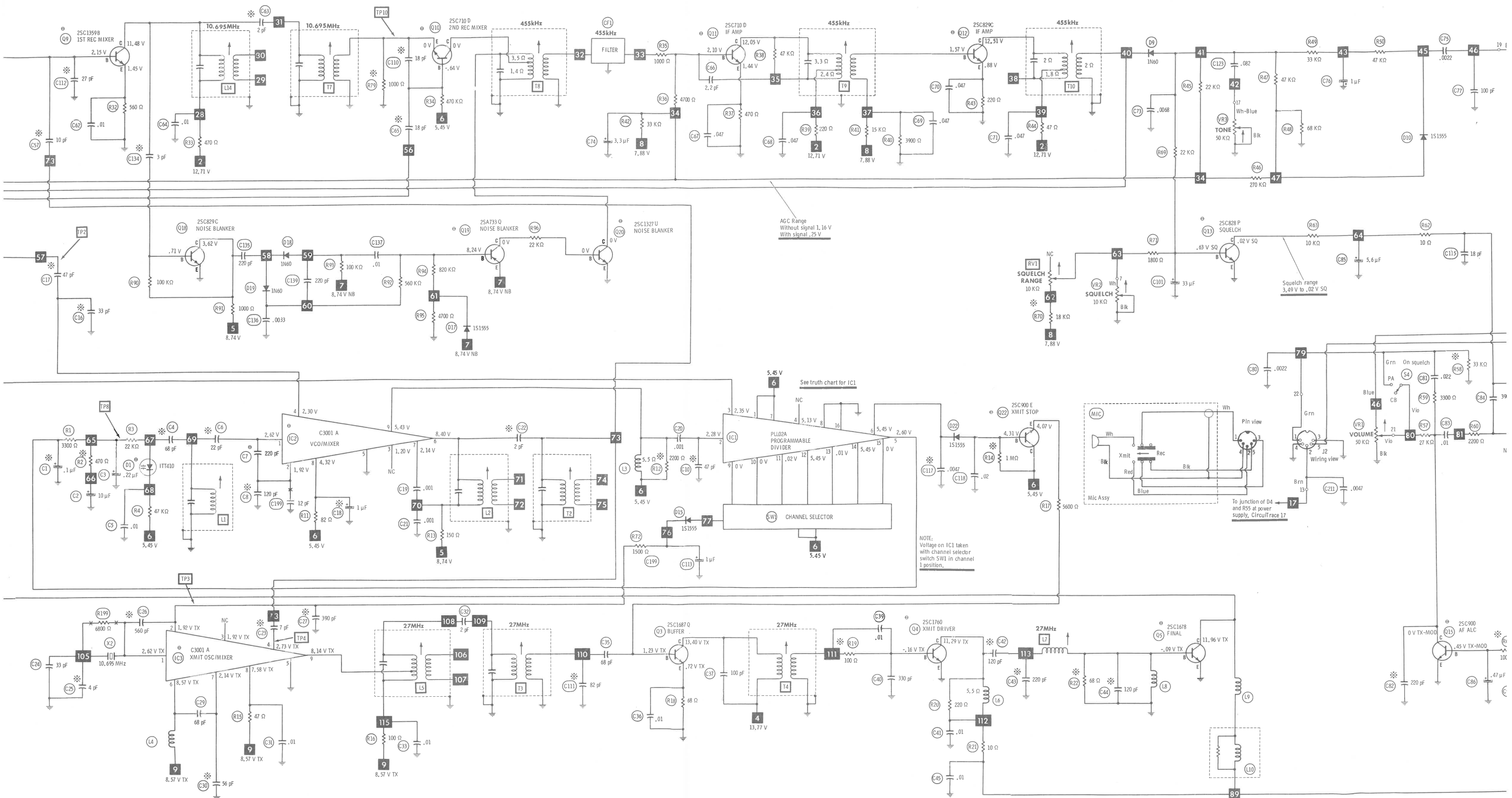
- ✖ Circuitry not used in some versions
 - Circuitry used in some versions
 - ⊖ See parts list
 - ✱ Nominal value
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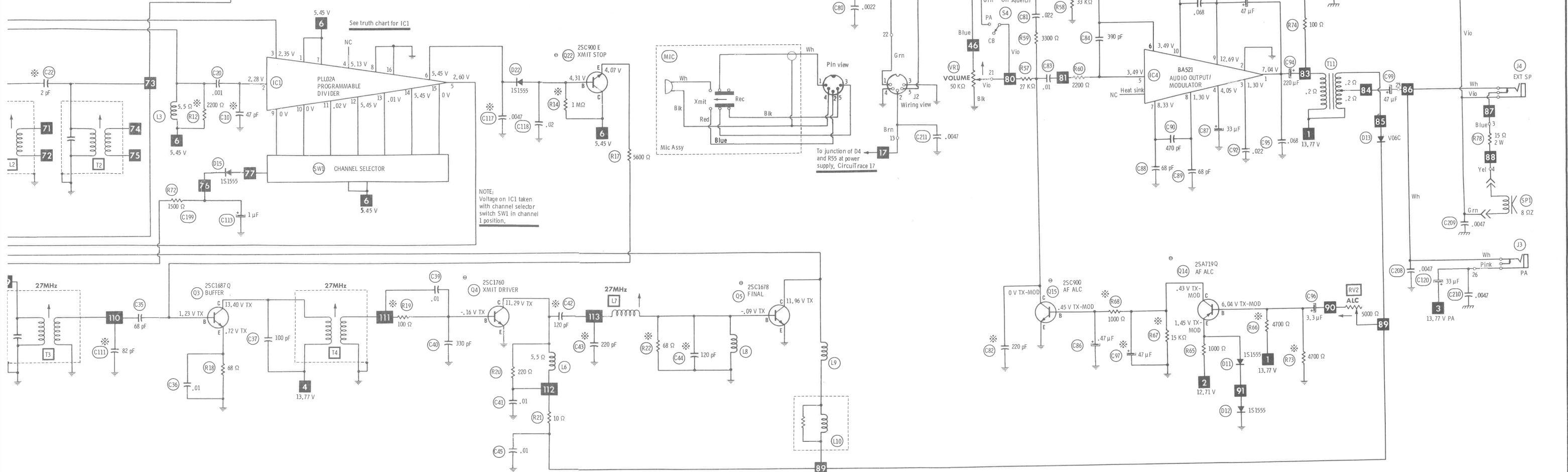
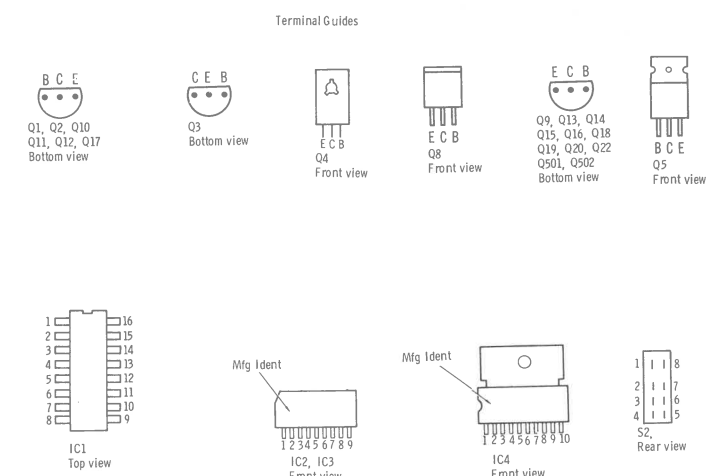
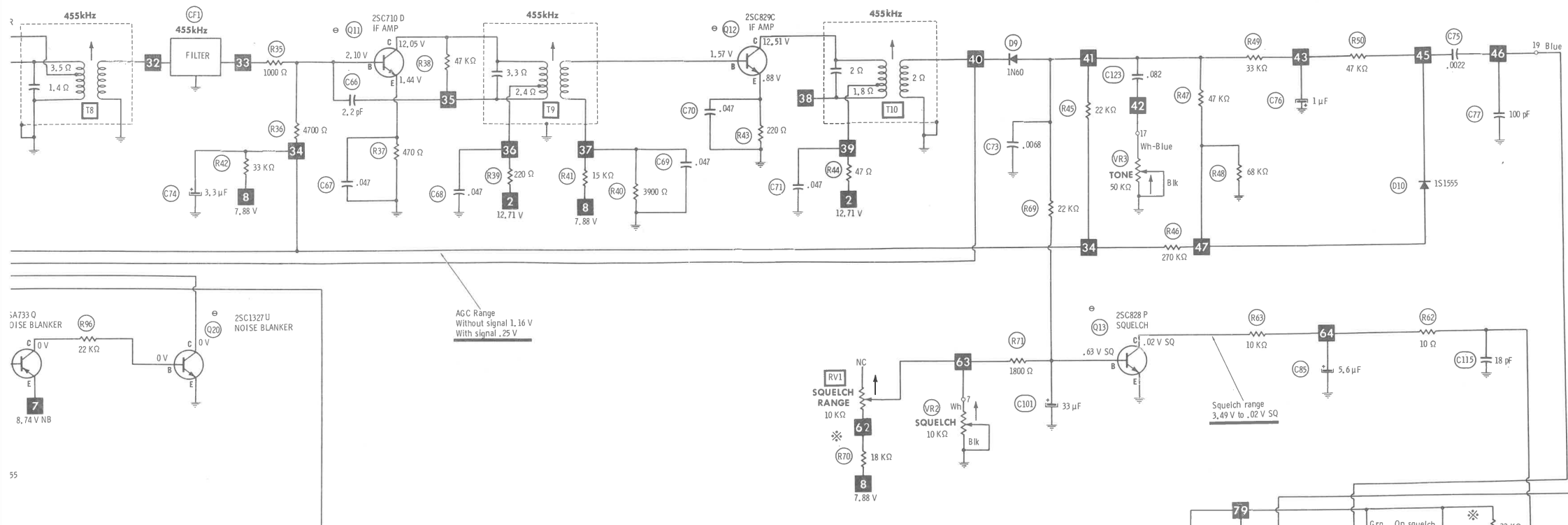
A PHOTOFACT STANDARD NOTATION SCHEMATIC

WITH **CIRCUITRACE**

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PARTS LIST AND DESCRIPTION
(When ordering parts, state Model, Part Number, and Description.)

SEMICONDUCTORS (Select replacement transistor for best results)

ITEM No.	TYPE No.	MFR. PART No.	REPLACEMENT DATA							
			GENERAL ELECTRIC PART No.	IR WORKMAN PART No.	MALLORY PART No.	MOTOROLA PART No.	RAYTHEON PART No.	RCA PART No.	SPRAGUE PART No.	SYLVANIA PART No.
D1	1TT410	256717				HEPR2502				ECG612
D2	MZ205	256817					RE 105			ECG135
D3	RD9.1E	245217	GEZD-9.1	WEP602			RE 114		RT-240	ECG139A
D4	1S1555	193717	GE-300	D200	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177
D5	1N60	218017	1N60	1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109
D6	1S1555	193717	GE-300	D200	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177
D7	1S1555	193717	GE-300	D200	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177
D8	1N60	218017	1N60	1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109
D9	1N60	218017	1N60	1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109
D10	1S1555	193717	GE-300	D200	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177
D11	1S1555	193717	GE-300	D200	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177
D12	1S1555	193717	GE-300	D200	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177
D13	V06C	194917	GE-504A	5A6D	PTC202	HEPR0054	RE 49	SK3017A	RT-215	ECG116
D14	1S1885	252817	GE-504A	5A4D	PTC201	HEPR0052	RE 49	SK3030	RT-213	ECG116
D15	1S1555	193717	GE-300	D200	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177
D16	1S1555	193717	GE-300	D200	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177
D17	1S1555	193717	GE-300	D200	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177
D18	1N60	218017	1N60	1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109
D19	1N60	218017	1N60	1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109
D22	1S1555	193717	GE-300	D200	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177
IC1	PLL02A	106525					RE 360-IC			ECG1167
IC2	C3001A									ECG1192
	TA7310P	107225(1)								ECG1192
IC3	C3001A									ECG1192
	TA7310P	107225(1)								ECG1192
IC4	BA521	106625					RE 359-IC			ECG1166
Q1	2SC710		GE-211 *	(IR)2SC710	PTC115	HEPS0016 *	RE 13 *	SK3018 *	RT-308 *	ECG123A *
	2SC710DE	227517 (1)	GE-211 *	(IR)2SC710	PTC115	HEPS0016 *	RE 13 *	SK3018 *	RT-308 *	ECG123A *
	2SC710E	(1)	GE-211 *	(IR)2SC710	PTC115	HEPS0016 *	RE 13 *	SK3018 *	RT-308 *	ECG123A *
Q2	2SC710		GE-211 *	(IR)2SC710	PTC115	HEPS0016 *	RE 13 *	SK3018 *	RT-308 *	ECG123A *
	2SC710DE	227517 (1)	GE-211 *	(IR)2SC710	PTC115	HEPS0016 *	RE 13 *	SK3018 *	RT-308 *	ECG123A *
	2SC710E	(1)	GE-211 *	(IR)2SC710	PTC115	HEPS0016 *	RE 13 *	SK3018 *	RT-308 *	ECG123A *
Q3	2SC1687Q		GE-20 *	TR-24 *	PTC121 *	HEPS0015 *	RE 13 *	SK3018 *	RT-107A *	ECG123A *
	2SC1687	256517 (1)	GE-20 *	TR-24 *	PTC121 *	HEPS0015 *	RE 13 *	SK3018 *	RT-107A *	ECG123A *
Q4	2SC1760	(12)	GE-276	WEP1014			RE 224		RT-310	ECG306
	2SC1846	(1)	GE-336	WEP913			RE 209			ECG295
	2SC1846Q, R, S	261317 (1)	GE-336	WEP913			RE 209			ECG295
Q5	2SC1306	239917 (13)	GE-215	WEP1306	PTC186		RE 203	SK3197	RT-146	ECG235
	2SC2075	(1)	GE-215	WEP1306	PTC186		RE 203	SK3197	RT-146	ECG235
	2SC1678	(1)	GE-322	WEP1678	PTC186		RE 203	SK3197	RT-146	ECG235
	2SC1974	(1)	GE-337	WEP1306	PTC186		RE 203	SK3197	RT-146	ECG235
Q6	2SC1318Q		GE-210 *	TR-21 *	PTC178	HEPS0015 *	RE 17 *	SK3122	RT-302	ECG128 *
	2SC1318QR	231017 (1)	GE-210 *	TR-21 *	PTC178	HEPS0015 *	RE 17 *	SK3122	RT-302	ECG128 *
	2SC1318	(1)	GE-210 *	TR-21 *	PTC178	HEPS0015 *	RE 17 *	SK3122	RT-302	ECG128 *
Q7	2SA719R		GE-269	TR-28 *	PTC103 *	HEPS0019 *	RE 26 *	SK3114	RT-305	ECG290
	2SA719Q	261417 (1)	GE-269	TR-28 *	PTC103 *	HEPS0019 *	RE 26 *	SK3114	RT-305	ECG290
	2SA719P	(1)	GE-269	TR-28 *	PTC103 *	HEPS0019 *	RE 26 *	SK3114	RT-305	ECG290
	2SA720	(1)	GE-82 *	TR-19 *	PTC127 *	HEPS0026	RE 211	SK3114	RT-126A *	ECG298
Q8	2SC460		GE-61 *	(IR)2SC460B	PTC136 *	HEPS0014 *	RE 9	SK3018 *	RT-134	ECG107
	2SC460B	(1)	GE-61 *	(IR)2SC460B	PTC136 *	HEPS0014 *	RE 9	SK3018 *	RT-134	ECG107
	2SC710	(1)	GE-211 *	(IR)2SC710	PTC115	HEPS0016 *	RE 13 *	SK3018 *	RT-308 *	ECG123A *
	2SC1047	(1)	GE-60 *	(IR)2SC829B	PTC132 *	HEPS0016 *	RE 28 *	SK3018 *	RT-107	ECG161 *
	2SC1047BC	256617 (1)	GE-60 *	(IR)2SC829B	PTC132 *	HEPS0016 *	RE 28 *	SK3018 *	RT-107	ECG161 *
Q9	2SC1359B		GE-212	(IR)2SC380A0	PTC121 *	HEPS0014 *	RE 192	SK3038 *	RT-308	ECG199
	2SC1359BC	256417 (1)	GE-212	(IR)2SC380A0	PTC121 *	HEPS0014 *	RE 192	SK3038 *	RT-308	ECG199
	2SC1359	(1)	GE-212	(IR)2SC380A0	PTC121 *	HEPS0014 *	RE 192	SK3038 *	RT-308	ECG199
	2SC710	(1)	GE-211 *	(IR)2SC710	PTC115	HEPS0016 *	RE 13 *	SK3018 *	RT-308 *	ECG123A *
Q10	2SC710		GE-211 *	(IR)2SC710	PTC115	HEPS0016 *	RE 13 *	SK3018 *	RT-308 *	ECG123A *
	2SC710D	(1)	GE-211 *	(IR)2SC710	PTC115	HEPS0016 *	RE 13 *	SK3018 *	RT-308 *	ECG123A *
	2SC710DE	227517 (1)	GE-211 *	(IR)2SC710	PTC115	HEPS0016 *	RE 13 *	SK3018 *	RT-308 *	ECG123A *
	2SC829	(1)	GE-20 *	(IR)2SC829B	PTC121 *	HEPS0015 *	RE 9 *	SK3122	RT-308	ECG229 *
Q11	2SC839	(1)	GE-61 *	(IR)2SC644	PTC132 *	HEPS0015 *	RE 13 *	SK3018 *	RT-308	ECG123A *
	2SC710	(1)	GE-211 *	(IR)2SC710	PTC115	HEPS0016 *	RE 13 *	SK3018 *	RT-308 *	ECG123A *
	2SC710D	(1)	GE-211 *	(IR)2SC710	PTC115	HEPS0016 *	RE 13 *	SK3018 *	RT-308 *	ECG123A *
	2SC710DE	227517 (1)	GE-211 *	(IR)2SC710	PTC115	HEPS0016 *	RE 13 *	SK3018 *	RT-308 *	ECG123A *
Q12	2SC829	(1)	GE-20 *	(IR)2SC829B	PTC121 *	HEPS0015 *	RE 9 *	SK3122	RT-308	ECG229 *
	2SC829B	(1)	GE-20 *	(IR)2SC829B	PTC121 *	HEPS0015 *	RE 9 *	SK3122	RT-308	ECG229 *
	2SC829C	(1)	GE-20 *	(IR)2SC829B	PTC121 *	HEPS0015 *	RE 9 *	SK3122	RT-308	ECG229 *
	2SC829BC	229117 (1)	GE-20 *	(IR)2SC829B	PTC121 *	HEPS0015 *	RE 9 *	SK3122	RT-308	ECG229 *
Q13	2SC710		GE-211 *	(IR)2SC710	PTC115	HEPS0016 *	RE 13 *	SK3018 *	RT-308 *	ECG123A *
	2SC828P	202617	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
	2SC372	(1)	GE-61 *	(IR)2SC372	PTC121 *	HEPS0015 *	RE 13 *	SK3122	RT-308	ECG123A *
Q14	2SA719Q	261417	GE-269	TR-28 *	PTC103 *	HEPS0019 *	RE 26 *	SK3114	RT-305	ECG290
	2SA719	(1)	GE-269	TR-28 *	PTC103 *	HEPS0019 *	RE 26 *	SK3114	RT-305	ECG290
	2SA720	(1)	GE-82 *	TR-19	PTC127 *	HEPS0026	RE 211	SK3114	RT-126A	ECG298
	2SA564	(1)	GE-65	(IR)2SA564A	PTC103 *	HEPS0019 *	RE 193	SK3114	RT-303	ECG234
Q15	2SC945L		GE-212	(IR)2SC945	PTC121 *	HEPS0015 *	RE 192	SK3124	RT-107A	ECG199
Q	2SC945L	(1)	GE-212	(IR)2SC945	PTC121 *	HEPS0015 *	RE 192	SK3124	RT-107A	ECG199
	2SC945L, P, Q	233817 (1)	GE-212	(IR)2SC945	PTC121 *	HEPS0015 *	RE 192	SK3124	RT-107A	ECG199
Q16	2SC900	(1)	GE-62	(IR)2SC644	PTC139 *	HEPS0015 *	RE 192	SK3124	RT-302	ECG199
	2SC710	(1)	GE-211 *	(IR)2SC710	PTC115	HEPS0016 *	RE 13 *	SK3018 *	RT-308 *	ECG123A *
	2SC710E	(1)	GE-211 *	(IR)2SC710	PTC115	HEPS0016 *	RE 13 *	SK3018 *	RT-308 *	ECG123A *
	2SC710DE	227517 (1)	GE-211 *	(IR)2SC710	PTC115	HEPS0016 *	RE 13 *	SK3018 *	RT-308 *	ECG123A *
	2SC829	(1)	GE-20 *	(IR)2SC829B	PTC121 *	HEPS0015 *	RE 9 *	SK3122	RT-308	ECG229 *
	2SC839	(1)	GE-61 *	(IR)2SC644	PTC132 *	HEPS0015 *	RE 13 *	SK3018 *	RT-308	ECG123A *

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.
Q17	2SC710	(1) 227517 (1)	GE-211 *	(IR)2SC710	PTC115	HEPS0016 *	RE 13 *	SK3018 *	RT-308 *	ECG123A *
	GE-211 *		(IR)2SC710	PTC115	HEPS0016 *	RE 13 *	SK3018 *	RT-308 *	ECG123A *	
	GE-211 *		(IR)2SC710	PTC115	HEPS0016 *	RE 13 *	SK3018 *	RT-308 *	ECG123A *	
Q18	2SC829	(1)	GE-20 *	(IR)2SC829B	PTC121 *	HEPS0015 *	RE 9 *	SK3122	RT-308	ECG229 *
	2SC839	(1)	GE-61 *	(IR)2SC644	PTC132 *	HEPS0015 *	RE 13 *	SK3018 *	RT-308	ECG123A *
	2SC829C	229117 (1)	GE-20 *	(IR)2SC829B	PTC121 *	HEPS0015 *	RE 9 *	SK3122	RT-308	ECG229 *
	2SC829		GE-20 *	(IR)2SC829B	PTC121 *	HEPS0015 *	RE 9 *	SK3122	RT-308	ECG229 *
	2SC829BC		GE-20 *	(IR)2SC829B	PTC121 *	HEPS0015 *	RE 9 *	SK3122	RT-308	ECG229 *
Q19	2SA733	(1)	GE-48	TR-31	PTC103 *	HEPS0019 *	RE 26 *	SK3138	RT-303	ECG294
	2SA733Q		GE-48	TR-31	PTC103 *	HEPS0019 *	RE 26 *	SK3138	RT-303	ECG294
Q20	2SA733P	231517 (1)	GE-48	TR-31	PTC103 *	HEPS0019 *	RE 26 *	SK3138	RT-303	ECG294
	2SC900	231417 (1)	GE-62	(IR)2SC644	PTC139 *	HEPS0015 *	RE 192	SK3124	RT-302	ECG199
	2SC900UE		GE-62	(IR)2SC644	PTC139 *	HEPS0015 *	RE 192	SK3124	RT-302	ECG199
Q21	2SC1327U	(1)	GE-85 *	(IR)2SC945	PTC139 *	HEPS0024 *	RE 192	SK3124	RT-107A	ECG199
	2SC1327	(1)	GE-85 *	(IR)2SC945	PTC139 *	HEPS0024 *	RE 192	SK3124	RT-107A	ECG199
	2SC945	233817 (1)	GE-212	(IR)2SC945	PTC121 *	HEPS0015 *	RE 192	SK3124	RT-107A	ECG199
	2SC945L, P, Q		GE-212	(IR)2SC945	PTC121 *	HEPS0015 *	RE 192	SK3124	RT-107A	ECG199
Q22	2SC828	(1)	GE-61 *	(IR)2SC828A	PTC121 *	HEPS0015 *	RE 192	SK3122	RT-302	ECG199
	2SC900	231417 (1)	GE-62	(IR)2SC644	PTC139 *	HEPS0015 *	RE 192	SK3124	RT-302	ECG199
	2SC900UE		GE-62	(IR)2SC644	PTC139 *	HEPS0015 *	RE 192	SK3124	RT-302	ECG199
	2SC900E		GE-62	(IR)2SC644	PTC139 *	HEPS0015 *	RE 192	SK3124	RT-302	ECG199

* Lead configuration may vary from original.
(1) Used in some versions.
(12) (Q4) 950 MW @ 500mA.
(13) (Q5) 12 Watt @ 3.0 Amp.

ELECTROLYTIC CAPACITORS

ITEM No.	RATING	MFR. PART No.	REPLACEMENT DATA		
			CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.
C1	.1 10V	119152		TDC104M050EL	QDT1-2
C2	10 16V	104352		VTT10B25	EV-1222
C3	.22 10V	119252		TDC224M050EL	QDT1-10
C11	47 10V	106252	PC10-25	VTT47D16	EV-1226
C18	1 50V	101552	PC50-16	VTT1A50	QV1-11
C50	1 50V	101552	PC1-50	VTT1A50	QV1-11
C72	10 16V	104352	PC10-25	VTT10B25	QV1-41
C74	3.3 25V	102652	PC5-50	VTT3R3A50	QV1-23
C76	1 50V	101552	PC1-50	VTT1A50	QV1-11
C78	47 16V	106352	PC50-16	VTT47D16	QV1-73
C85	5.6 25V			TDC475M010EL	QDT1-48</

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.
Q17	2SC710	(1) 227517 (1)	GE-211 *	(IR)2SC710	PTC115	HEPS0016 *	RE 13 *	SK3018 *	RT-308 *	ECG123A *
	2SC710E		GE-211 *	(IR)2SC710	PTC115	HEPS0016 *	RE 13 *	SK3018 *	RT-308 *	ECG123A *
	2SC710DE		GE-211 *	(IR)2SC710	PTC115	HEPS0016 *	RE 13 *	SK3018 *	RT-308 *	ECG123A *
	2SC829		GE-20 *	(IR)2SC829B	PTC121 *	HEPS0015 *	RE 9 *	SK3122	RT-308	ECG229 *
Q18	2SC829C	(1) 229117 (1)	GE-61 *	(IR)2SC644	PTC132 *	HEPS0015 *	RE 13 *	SK3018 *	RT-308	ECG123A *
	2SC829		GE-20 *	(IR)2SC829B	PTC121 *	HEPS0015 *	RE 9 *	SK3122	RT-308	ECG229 *
	2SC829		GE-20 *	(IR)2SC829B	PTC121 *	HEPS0015 *	RE 9 *	SK3122	RT-308	ECG229 *
	2SC829BC		GE-20 *	(IR)2SC829B	PTC121 *	HEPS0015 *	RE 9 *	SK3122	RT-308	ECG229 *
Q19	2SA733	(1) 231517 (1)	GE-48	TR-31	PTC103 *	HEPS0019 *	RE 26 *	SK3138	RT-303	ECG294
	2SA733Q		GE-48	TR-31	PTC103 *	HEPS0019 *	RE 26 *	SK3138	RT-303	ECG294
	2SA733P		GE-48	TR-31	PTC103 *	HEPS0019 *	RE 26 *	SK3138	RT-303	ECG294
	2SC900		GE-62	(IR)2SC644	PTC139 *	HEPS0015 *	RE 192	SK3124	RT-302	ECG199
Q20	2SC900UE	(1) 231417 (1)	GE-62	(IR)2SC644	PTC139 *	HEPS0015 *	RE 192	SK3124	RT-302	ECG199
	2SC1327U		GE-85 *	(IR)2SC945	PTC139 *	HEPS0024 *	RE 192	SK3124	RT-107A	ECG199
	2SC1327		GE-85 *	(IR)2SC945	PTC139 *	HEPS0024 *	RE 192	SK3124	RT-107A	ECG199
	2SC945		GE-212	(IR)2SC945	PTC121 *	HEPS0015 *	RE 192	SK3124	RT-107A	ECG199
Q21	2SC945L	(1) 233817 (1)	GE-212	(IR)2SC945	PTC121 *	HEPS0015 *	RE 192	SK3124	RT-107A	ECG199
	P,Q									
	2SC828		GE-61 *	(IR)2SC828A	PTC121 *	HEPS0015 *	RE 192	SK3122	RT-302	ECG199
	2SC900		GE-62	(IR)2SC644	PTC139 *	HEPS0015 *	RE 192	SK3124	RT-302	ECG199
Q22	2SC900UE	(1) 231417 (1)	GE-62	(IR)2SC644	PTC139 *	HEPS0015 *	RE 192	SK3124	RT-302	ECG199
	2SC900E		GE-62	(IR)2SC644	PTC139 *	HEPS0015 *	RE 192	SK3124	RT-302	ECG199

- * Lead configuration may vary from original.
(1) Used in some versions.
(12) (Q4) 950 MW @ 500mA.
(13) (Q5) 12 Watt @ 3.0 Amp.

ELECTROLYTIC CAPACITORS

ITEM No.	RATING	REPLACEMENT DATA				
		MFRG. PART No.	CORNELL- DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.	
					Q-LINE	GENERAL LINE
C1	.1 10V	119152	PC10-25	TDC104M050EL	QDT1-2	SD50-R109
C2	10 16V	104352		VTT10B25	QV1-41	EV-1222
C3	.22 10V	119252		TDC224M050EL	QDT1-10	SD50-R229
C11	47 10V	106252		PC50-16	VTT47D16	QV1-73
C18	1 50V	101552	PC1-50	VTT1A50	QV1-11	EV-1615
C50	1 50V	101552	PC1-50	VTT1A50	QV1-11	EV-1615
C72	10 16V	104352	PC10-25	VTT10B25	QV1-41	EV-1222
C74	3.3 25V	102652	PC5-50	VTT3R3A50	QV1-23	EV-1318
C76	1 50V	101552	PC1-50	VTT1A50	QV1-11	EV-1615
C78	47 16V	106352	PC50-16	VTT47D16	QV1-73	EV-1226
C85	5.6 25V	119352	PC30-25	TDC475M010EL	QDT1-48	SD10-4R79
C86	.47 10V			TDC474M050EL	QDT1-19	SD50-R479
C87	33 6.3V			VTT33B10	QV1-61	EV-1125
C93	47 16V			VTT47D16	QV1-73	EV-1226
C94	220 16V	109452	PC250-25	VTT220H16	QV1-117	EV-1240
C96	3.3 25V	102652	PC5-50	VTT3R3A50	QV1-23	EV-1318
C97	47 10V	106252	PC50-16	VTT47D16	QV1-73	EV-1226
C99	47 25V	106452	PC50-25	VTT47E25	QV1-75	EV-1326
C100	1000 16V	111652	PC1000-16	VTT1000L16	QV1-183	EV-1260
C101	33 6.3V	105652	PC30-25	VTT33B10	QV1-61	EV-1125
C113	1 50V	101552	PC1-50	VTT1A50	QV1-11	EV-1615
C120	33 16V	105852	PC30-25	VTT33D25	QV1-63	EV-1325

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	
C4	68 N150 50V		DC-103	MGP01	*	QC2-141	10TCP-Q68	
C5	.01 50V				TA110		TG-S10	
C6	22 N150 50V				*		10TCP-Q22	
C7	220 50V				GP322		10TS-T22	
C8	120 50V		CN0312	QC2-207	10TCC-T12			
C9	.047 50V		TA150		TG-S50			
C10	47 50V		CN0447		10TCC-Q47			
C12	4 NPO 50V		CN0547		10TCC-V47			
C13	.001 50V		DPMS6D1	QF1-1	1PB-D10			
C14	68 N150 50V			DC-103	MGP01	*	QC2-141	10TCP-Q68
C15	.01 50V					TA110		TG-S10
C16	33 50V					CN0433		10TCC-Q33
C17	12 N150 50V	*				10TCP-Q12		
C19	.001 50V	DPMS6D1		QF1-1	1PB-D10			
C20	.001 50V	DPMS6D1		QF1-1	1PB-D10			
C21	.001 50V	CD19FD102J03			MWC-102			
C22	2 50V	NP02P2			10TCC-V22			
C23	7 500V	NP06P8			10TCC-V68			
C24	33 N150 50V	DTZ-4R7		NP04P7	*	10TCP-Q33		
C25	4 NPO 50V				CN0547	10TCC-V47		
C26	560 50V				GP356	10TS-T56		
C27	390 50V		GP339		10TS-T39			

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	
C28	.01 50V	(1)	DC-103	MGP01	TA110	QC2-141	TG-S10	
C29	68 50V		DD-680	GP68	GP468		10TS-Q68	
C30	56 N150 50V				*		10TCP-Q56	
C31	.01 50V			DC-103	MGP01	TA110	QC2-141	TG-S10
C32	2 50V			DTZ-2R2	NP02P2	CN0522		10TCC-V22
C33	.01 50V			DC-103	MGP01	TA110	QC2-141	TG-S10
C35	68 50V			DD-680	GP68	GP468		10TS-Q68
C36	.01 50V			DC-103	MGP01	TA110	QC2-141	TG-S10
C37	100 N150 50V					*		10TCP-T10
C38	.01 50V			DC-103	MGP01	TA110	QC2-141	TG-S10
C39	.01 50V				WMF1S1	EWFA1A110	QC2-141	1PB-S10
C40	330 50V			DD-331	GP330	GP333	QC2-141	10TS-T33
C41	.01 50V			DC-103	MGP01	TA110		TG-S10
C42	120 50V			DTZ-120		CN0312		10TCC-T12
C43	220 50V			DD-221		GP322		10TS-T22
C44	120 50V			DTZ-120		CN0312		10TCC-T12
C45	.01 50V			DC-103	MGP01	TA110	QC2-141	TG-S10
C46	120 50V			DTZ-120		CN0312		10TCC-T12
C47	270 500V				CD15FD271J03	SX327	QW1-37	MWB-271
C48	2 50V			DTZ-2R2	NP02P2	CN0522		10TCC-V22
C49	.0047 50V			DD-472	GP4700	GP247		5GA-D47
C51	27 50V					CN0427		10TCC-Q27
C52	.01 50V			DC-103	MGP01	TA110	QC2-141	TG-S10
C53	.047 50V			DC-503	MGP05	TA150	QC2-207	TG-S50
C54	.047 50V			DC-503	MGP05	TA150	QC2-207	TG-S50
C55	.047 50V				DPMS2S47	EWFA1A147	QF1-171	1PB-S47
C56	.01 50V			DC-103	MGP01	TA110	QC2-141	TG-S10
C57	10 50V			DTZ-10	NP010	CN0410		10TCC-Q10
C58	.01 50V			DC-103	MGP01	TA110	QC2-141	TG-S10
C59	.01 50V			DC-103	MGP01	TA110	QC2-141	TG-S10
C60	.01 50V			DC-103	MGP01	TA110	QC2-141	TG-S10
C61	.01 50V			DC-103	MGP01	TA110	QC2-141	TG-S10
C62	.01 50V			DC-103	MGP01	TA110	QC2-141	TG-S10
C63	2 50V			DTZ-2R2	NP02P2	CN0522		10TCC-V22
C64	.01 50V			DC-103	MGP01	TA110	QC2-141	TG-S10
C65	18 NPO 50V					CN0418		10TCC-Q18
C66	2.2 500V			DTZ-2R2	NP02P2	CN0522		10TCC-V22
C67	.047 50V				DPMS2S47	EWFA1A147	QF1-171	1PB-S47
C68	.047 50V				DPMS2S47	EWFA1A147	QF1-171	1PB-S47
C69	.047 50V				DPMS2S47	EWFA1A147	QF1-171	1PB-S47
C70	.047 50V				DPMS2S47	EWFA1A147	QF1-171	1PB-S47
C71	.047 50V				DPMS2S47	EWFA1A147	QF1-171	1PB-S47
C73	.0068 50V				WMF1D68	EWFA1A268	QF1-73	1PB-D68
C75	.0022 50V				CD19FD222J03	SX222		MWC-222
C77	100 50V			DD-101	GP100	GP310		10TS-T10
C79	.022 50V				DPMS2S22	EWFA1A122	QF1-127	1PB-S22
C80	.0022 50V			DD-222		GP222	QC2-97	5GA-D22
C81	.022 50V				DPMS2S22	EWFA1A122	QF1-127	1PB-S22
C82	220 50V			DD-221		GP322		10TS-T22
C83	.01 50V				WMF1S1	EWFA1A110	QF1-91	1PB-S10
C84	390 50V			DD-391	GP390	GP339		10TS-T39
C88	68 50V			DD-680	GP68	GP468		10TS-Q68
C89	68 50V			DD-680	GP68	GP468		10TS-Q68
C90	470 50V			DD-471	GP470	GP347		10TS-T47
C91	.068 50V			UK50-683		MAG50168		
C92	.022 50V				DPMS2S22	EWFA1A122	QF1-127	1PB-S22
C95	.068 50V				WMF1S68	EWFA1A168	QF1-195	1PB-S68
C102	.01 50V			DC-103	MGP01	TA110	QC2-141	TG-S10
C106	.047 50V			DC-503	MGP05	TA150	QC2-207	TG-S50
C107	.047 50V			DC-503	MGP05	TA150	QC2-207	TG-S50
C110	18 50V					CN0418		10TCC-Q18
C111	82 50V			DD-820		GP482		10TS-Q82
C112	27 50V					CN0427		10TCC-Q27
	39 50V					CN0439		10TCC-Q39
C114	340 500V				CD15FD391J03	SX339	QW1-41	MWA-391
C115	18 50V					CN0418		10TCC-Q18
C117	.001 50V				CD19FD102J03	SX210		MWC-102
	.0047 50V				CD19FD472J03	SX247		MWC-472
C118	.022 50V			DC-253	MGP025	TA125		TG-S25
C123	.082 50V				WMF1S82	EWFA1A182		1PB-S82
C130	.0022 50V			DD-222		GP222	QC2-97	5GA-D22
C131	39 N150 50V					*		10CP-Q39
C132	15 N150 50V					*		10CP-Q39
C133	.0022 50V			DD-222		GP222	QC2-97	5GA-D22
C134	3 50V			DTZ-3R3	NP03P3	CN0533		10TCC-V33
C135	220 50V			DD-221		GP322		10TS-T22
C136	.0033 50V				CD19FD332J03	SX233		MWC-332
C137	.01 50V			DC-103	MGP01	TA110	QC2-141	TG-S10
C138	.01 50V			DC-103	MGP01	TA110	QC2-141	TG-S10
C139	220 50V			DD-221		GP322		10TS-T22
C199	12 50V					CN0412		10TCC-Q12
C201A	180 500V				CD15FD181J03	SX318	QW1-33	MWA-181
C201B	7 500V			DTZ-6R8	NP06P8	CN0568		10TCC-V68
C202	.01 50V			DC-103	MGP01	TA110	QC2-141	TG-S10
C203	.01 50V			DC-103	MGP01	TA110	QC2-141	TG-S10
C204	.01 50V			DC-103	MGP01	TA110	QC2-141	TG-S10
C205	.047 50V			DC-503	MGP05	TA150	QC2-207	TG-S50
C206	.01 50V			DC-103	MGP01	TA110	QC2-141	TG-S10
C207	.01 50V			DC-103	MGP01	TA110	QC2-141	TG-S10
C208	.0047 50V			DD-472	GP4700	GP247		5GA-D47

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
C209	.0047 50V	109957	DD-472	GP4700	GP247		5GA-D47
C210	.0047 50V		DD-472	GP4700	GP247		5GA-D47
C211	.0047 50V		DD-472	GP4700	GP247		5GA-D47
C212	.0047 50V		DD-472	GP4700	GP247		5GA-D47
CT1	20						

* 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.
RV1	Squelch Range	10K	271613				U260R103B
RV2	ALC	5000	292513				U260R502B
RV3	S Meter	20K	278013				U260R253B
RV4	RF Meter	20K	278013				U260R253B
VR1	Volume/Power Switch	50K	186611				
VR2	Squelch	10K	184411				
VR3	Tone	50K	184611				

COILS (RF-IF)

ITEM No.	FUNCTION	REPLACEMENT DATA			REMARKS
		PART No.	OTHER IDENTIFICATION	MILLER PART No.	
L1	VCO	294623	TR-10DD003S		
L2	VCO Mixer (38MHz)	227924	TR-10MB003T		
L3	RF Choke (68uH)	287323	LF-680KD01N		
L4	RF Choke (1uH)	294723	LF-1R0KD01N		
L5	Xmit Mixer (27MHz)	294823	TR-10CB002M		
L6	RF Choke (2.2uH)	287423	LF-2R2KD01N		
L7	Xmit Driver (27MHz)	226324	TR-A5CZ001M		
L8	RF Choke (68uH)	287323	LF-680KD01N		
L9	RF Choke (.55uH)	287623	LA-1KE1011A		
L10	RF Choke (1uH)	287523	LD-ADX3825M		
L11	Final (27MHz)	226424	TR-A5CZ002M		
L12	Pi Filter (27MHz)	226524	TR-A5CZ003M		
L13	RF Choke	294923	LA-1JG1010A		
L14	IF (10.695MHz)	291923	TR-07MB008N		
L15	RF Choke (68uH)	287323	LF-680KD01N		
L16	RF Choke (.75uH)	251723	LD-ADB4024B		
L17	RF Choke (.75uH)	251723	LD-ADB4024B		
T1	OSC (10.240MHz)	230024	TR-10DB002S		
T2	VCO Mixer (38MHz)	230124	TR-10MB005S		
T3	Xmit Mixer (27MHz)	291623	TR-10CB001S		
T4	Xmit Buffer (27MHz)	291723	TR-10CP005S		
T5	Rec Antenna (27MHz)	226624	TR-10MP003T		
T6	Rec RF (27MHz)	226724	TR-10CA003T		
T7	IF (10.695MHz)	291423	TR-07MB008N		
T8	IF (455kHz)	227024	TR-07LA004N		
T9	IF (455kHz)	227124	TR-07LA005N		
T10	IF (455kHz)	227824	TR-07LA023N		

FILTER CHOKE

ITEM No.	RATINGS			REPLACEMENT DATA			NOTES
	CURRENT (Measured)	DC RES.	INDUCTANCE (0 CURRENT 1000~)	MFR. PART No.	THORDARSON PART No.	TRIAD PART No.	
CH1	1.4A	.116	.48mH	287223 ELA-16 (1)	TR523		(1) Number on unit.

TRANSFORMER (Audio Output)

TRANSFORMER (Audio Output)							
ITEM No.	IMPEDANCE			REPLACEMENT DATA			NOTES
				MFG. PART No.	THORDARSON PART No.	TRIAD PART No.	
	PRI.	SEC.					
T11	2.88	1 8	2 13.52	188015 ETA-66 (1)	TR723	MCB-16	(1) Number on unit.

LAFAYETTE MODEL HB-740

PARTS LIST AND DESCRIPTION (CONTINUED)

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

SPEAKER

ITEM No.	TYPE	REPLACEMENT DATA		NOTES
		MFRG. PART No.	QUAM PART No.	
SPL	3" PM 8 Ohms	133536	30A05Z8R	

FUSE DEVICES

ITEM No.	DESCRIPTION	REPLACEMENT DATA					
		PART No.		BUSS PART No.		LITTELFUSE PART No.	
		DEVICE	HOLDER	DEVICE	HOLDER	DEVICE	HOLDER
F1	2Amp		135438	AGC2	HDJ	312002	150145

MICROPHONE

ITEM No.	REPLACEMENT DATA				CONNECTION DATA						
	MFRG. 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	110334	18-032	18-034	18-010	18-105	1	4	2	5	NC	3

MISCELLANEOUS

ITEM No.	PART NAME	PART No.	NOTES
CF1	Ceramic Filter	141135	455kHz
J1	Jack	221819	Antenna
J2	Jack	237419	Microphone
J3	Jack	206319	PA
J4	Jack	206319	External Speaker
J5	Jack	239119	Power
M1	Meter	124427	S/Rf
PL1	Lamp	562620	Channel Indicator (4.98V @ 32mA)
PL2	Lamp		Meter (4.98V @ 56mA)
PL3	Lamp	562620	RX (5.13V @ 30mA)
PL4	Lamp	540320	TX (4.68V @ 30mA)
S1	Switch		Power (Part of Volume Control)
S2	Switch	203214	Delta Tune
S3	Switch	222914	CB/PA
S4	Switch	222914	Dist/LOC
S5	Switch	222914	NB/ANL
SW1	Switch	226614	Channel Selector
X1	Crystal	142035	10.240MHz
X2	Crystal	142135	10.695MHz

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

ITEM	PART No.	ITEM	PART No.
Escutcheon	123209	Knob, Channel	210218
Mounting Bracket	125609	Channel Indicator Disc	589920
Microphone Hanger	105709	Cabinet Top	196980
Knob, Control	210318	Cabinet Bottom	197080

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')