

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 CB-740

MANUFACTURER'S SPECIFICATIONS

1) Receiver Section:

- | | |
|--|-----------------------|
| 1. Sensitivity at 10 dB S/N | : 0.5 uV (nominal) |
| 2. Spurious rejection ratio at all frequencies | : Better than 50 dB |
| 3. Squelch sensitivity at max. point | : 500 uV |
| 4. Squelch sensitivity at threshold | : Better than 0.5 uV |
| 5. A.G.C. (Input 94 dB; output 10 dB down) | : Better than 80 dB |
| 6. I.F. response; bandwidth at 6 dB down | : 5 KHz |
| 7. I.F. response selectivity at 10 KHz detuned | : Better than 45 dB |
| 8. Audio output power at max. (Input 60 dB) | : Better than 3W |
| 9. Audio output power at 10 percent distortion | : Better than 2.5W |
| 10. Audio Fidelity (output 6 dB down) | : 300 Hz — 2 KHz |
| 11. Current drain at no signal | : Better than 400 mA |
| 12. Current drain at max. output power | : Better than 1500 mA |
| 13. P.A. output power | : Better than 3 W |
| 14. Overload signal for 10 percent distortion | : Better than 100 dB |
| 15. Hum and noise ratio (Input 1,000 uV unsquelched) | : Better than 50 dB |

2) Transmitter Section:

- | | |
|--|--------------------------|
| 1. R.F. output power | : Better than 3.0 W |
| 2. Modulation capability at 1 KHz | : Better than 80 percent |
| 3. Spurious Suppression | : Better than 60 dB |
| 4. Current drain at no modulation | : Less than 1200 mA |
| 5. Current drain at 100 percent modulation | : Less than 1,500 mA |
| 6. Frequency tolerance | : 0.005 percent |

3) Measurement Condition:

- | | |
|-------------------------|--------------|
| 1. Output power | : 0.5 W |
| 2. Ant. impedance | : 50 ohms |
| 3. Load | : 8 ohms |
| 4. Measurement Channel | : Channel 20 |
| 5. Modulation Frequency | : 1,000 Hz |
| 6. Modulation | : 30 percent |
| 7. Power Source | : 13.8 VDC |

Courtesy of the Manufacturer

RAY JEFFERSON MODEL CB-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:
T3, T4 5009
T1, T2 9440
L4, T6, T7 8282

SYNTHESIZER ALIGNMENT

TEST EQUIPMENT	TRANSCEIVER	ADJUST	REMARKS
Input of frequency counter to TP1. PLL unit, Pin 2.	Ch. 19		Check for 10.240MHz.
Input of frequency counter to TP2. PLL unit, Pin 19.	Ch. 1		Check for 37.660MHz. Check all channels. (Channel frequency +10.695MHz = frequency on counter).
Input of frequency counter to TP3. PLL unit, Pin 23.	Ch. 1, XMT		Check for 26.965MHz. Check all channels. (Counter 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 TP1. (Q4, Base) 455kHz, 1000Hz, @ 30% modulation.	Ch. 19, Squelch Min.	T4, T3	Adjust for maximum output.
Output of signal generator thru .01uF to antenna jack. 27.185MHz, 1000Hz @ 30% modulation.	Ch. 19, Squelch Min.	T2, T1	Adjust for maximum output. It may be necessary to readjust T3, T4.

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 100uV.	Ch. 19	R20	S METER Adjust R20 for 9 on S 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	T6, T7, L4	Adjust for maximum.
	Ch. 19	L4	Adjust for 4 watts maximum.

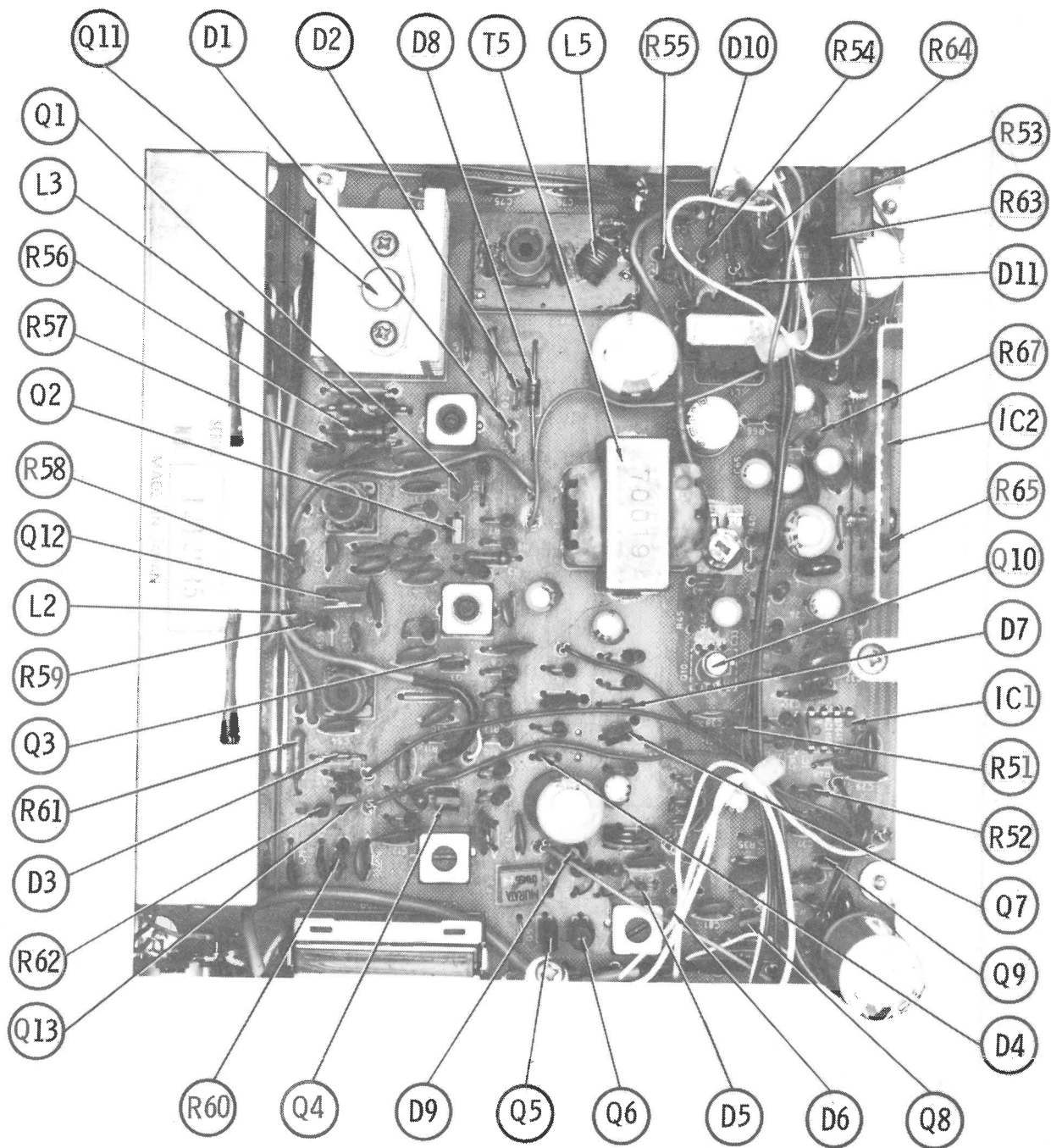
TRANSMITTER ADJUSTMENTS

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

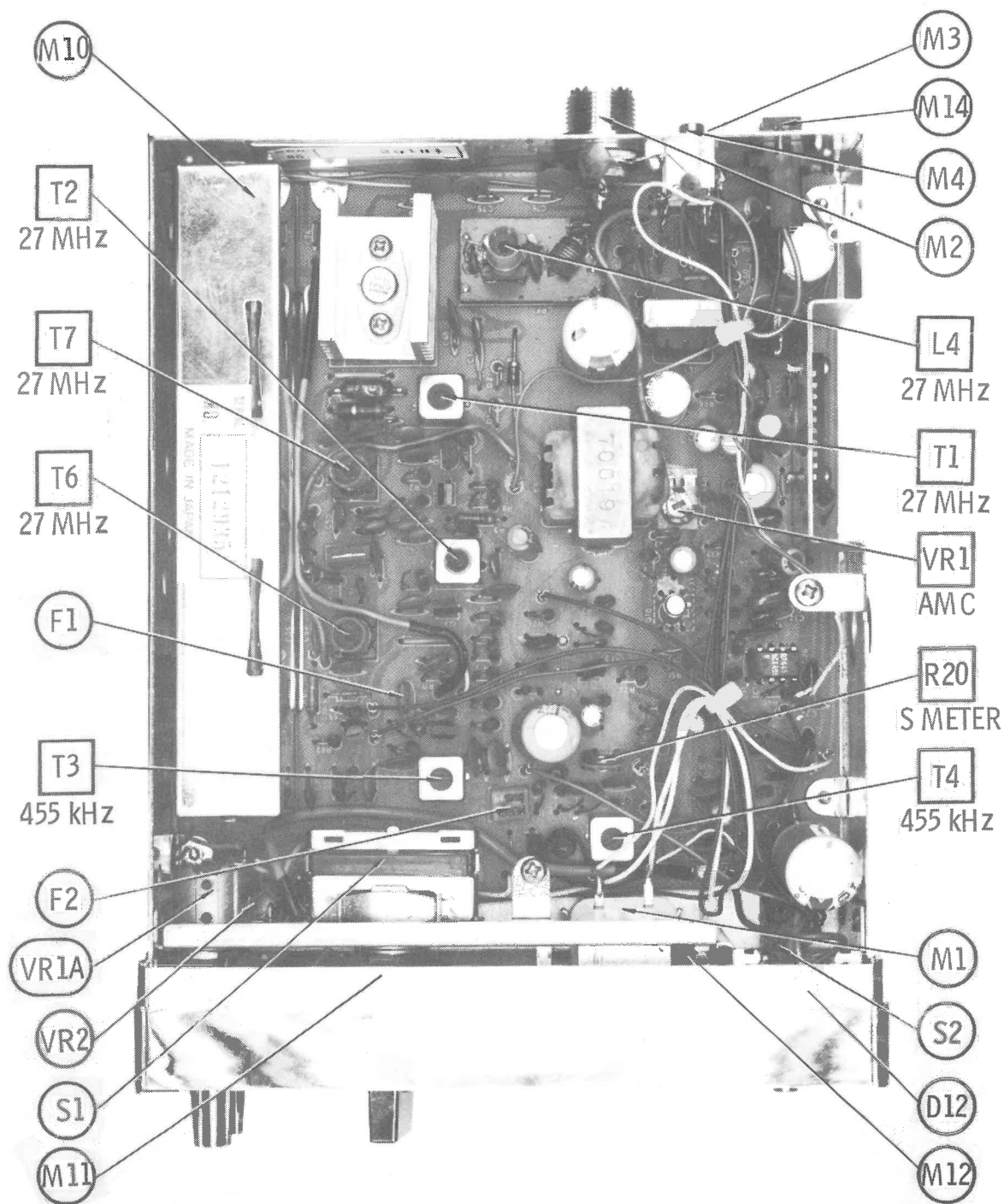
NOTE: Be sure to check transmit frequency and power on all active channels after adjustment of transmitter.

See page 4 for channel frequencies.

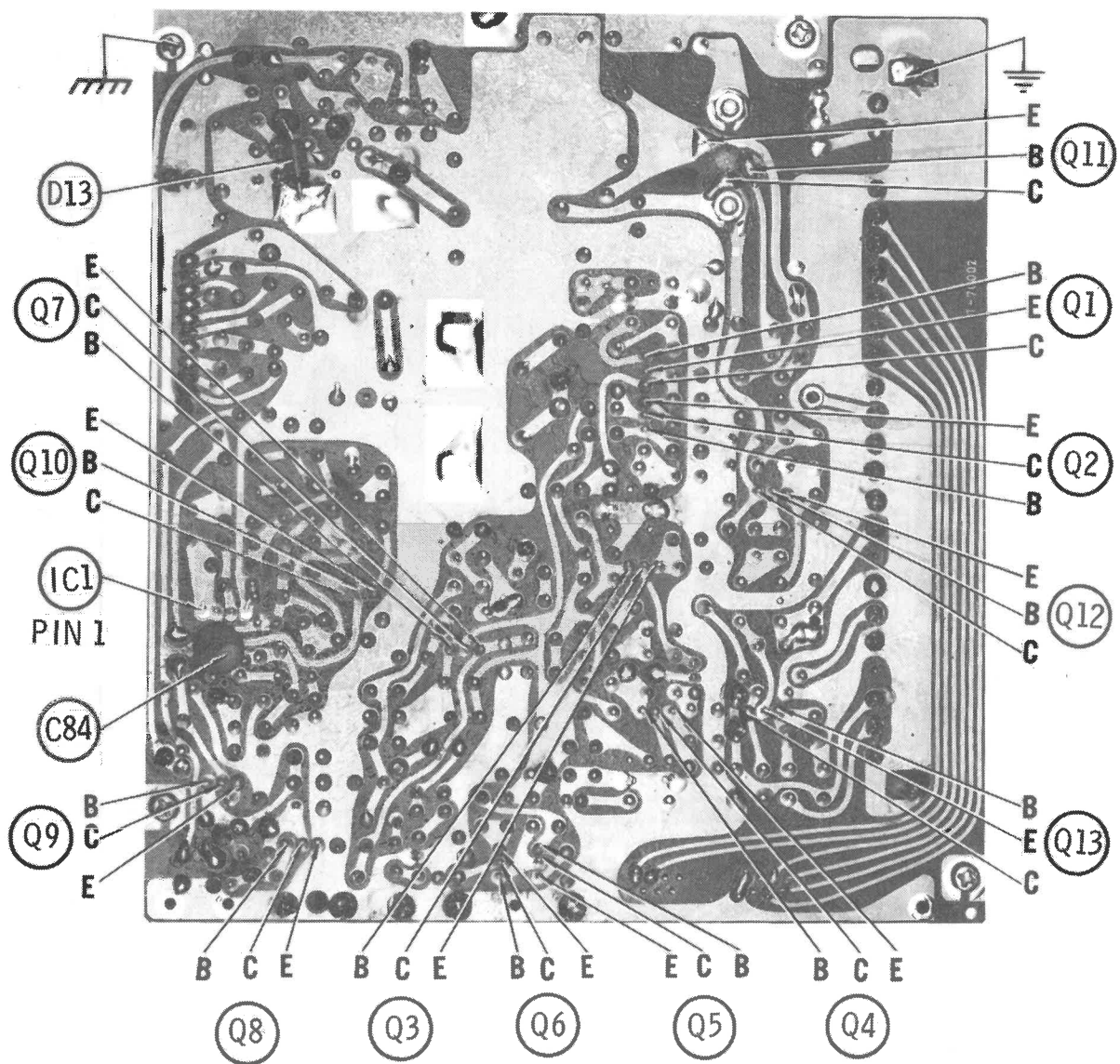
TEST EQUIPMENT	TRANSCEIVER	ADJUST	REMARKS
Modulation meter to antenna jack. Inject a 1000Hz, 20 mV signal at MIC input.	Ch. 19	VR1	AMC Adjust VR1 for 90% modulation.



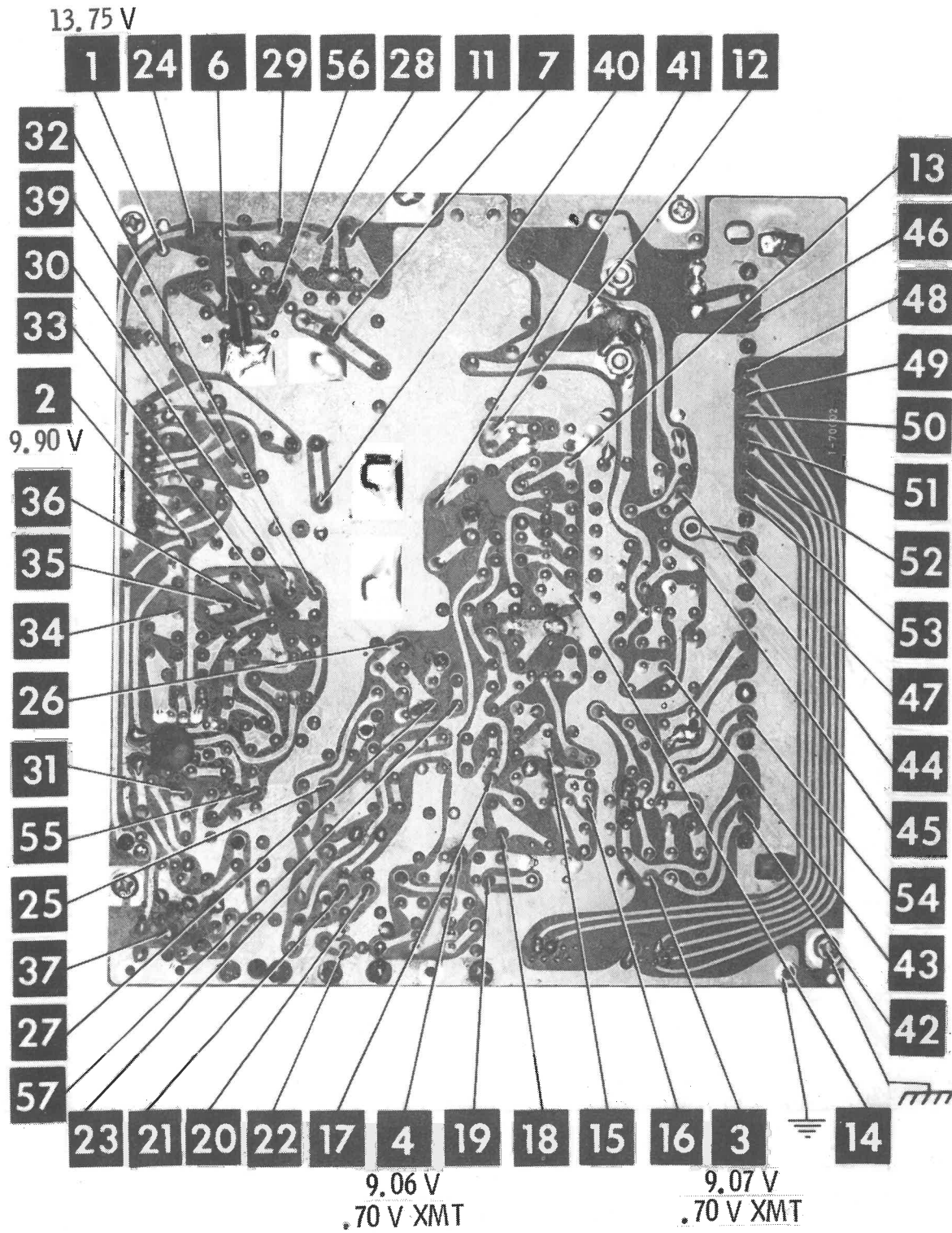
MAIN BOARD



CHASSIS-BOTTOM

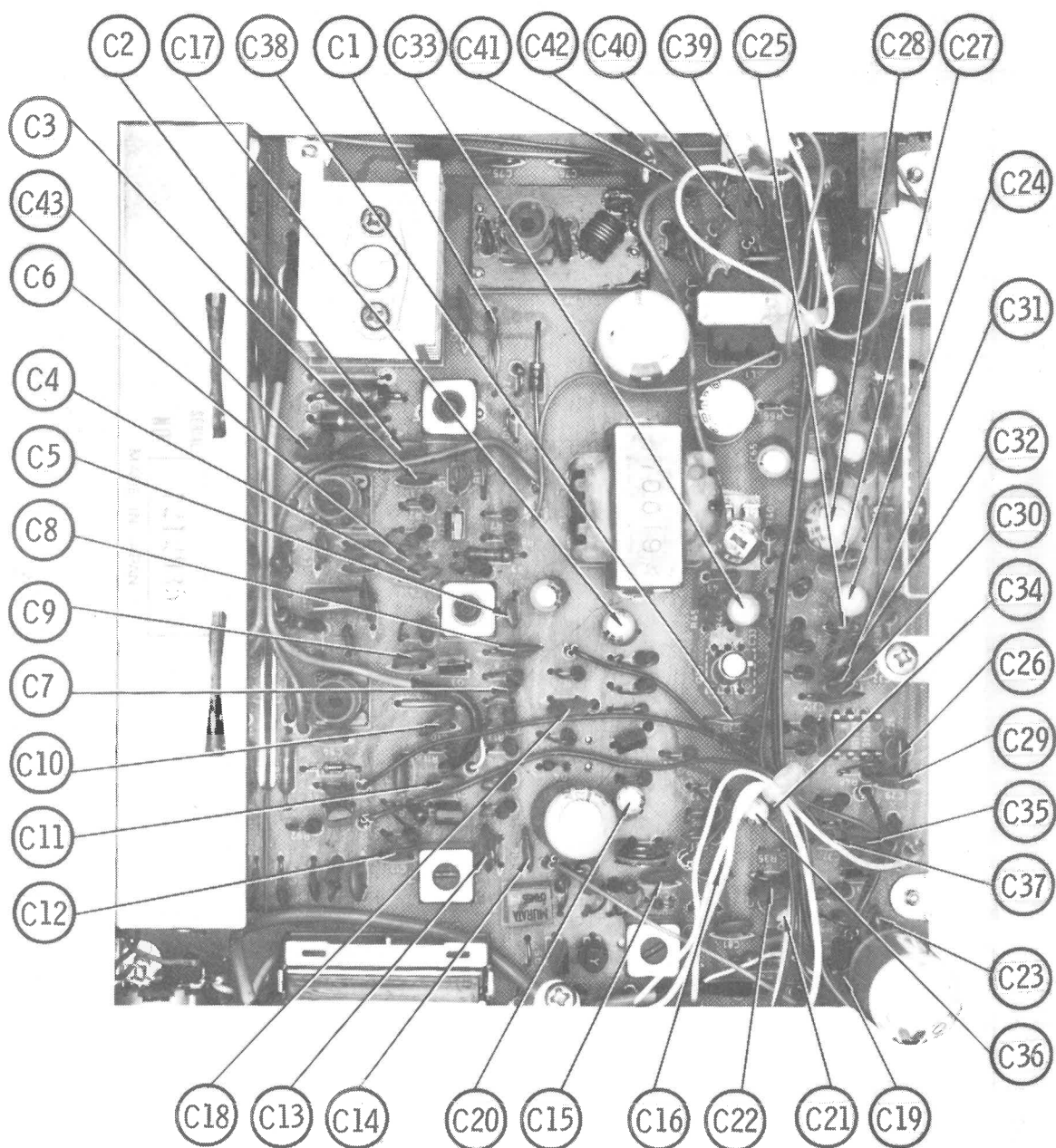


MAIN BOARD

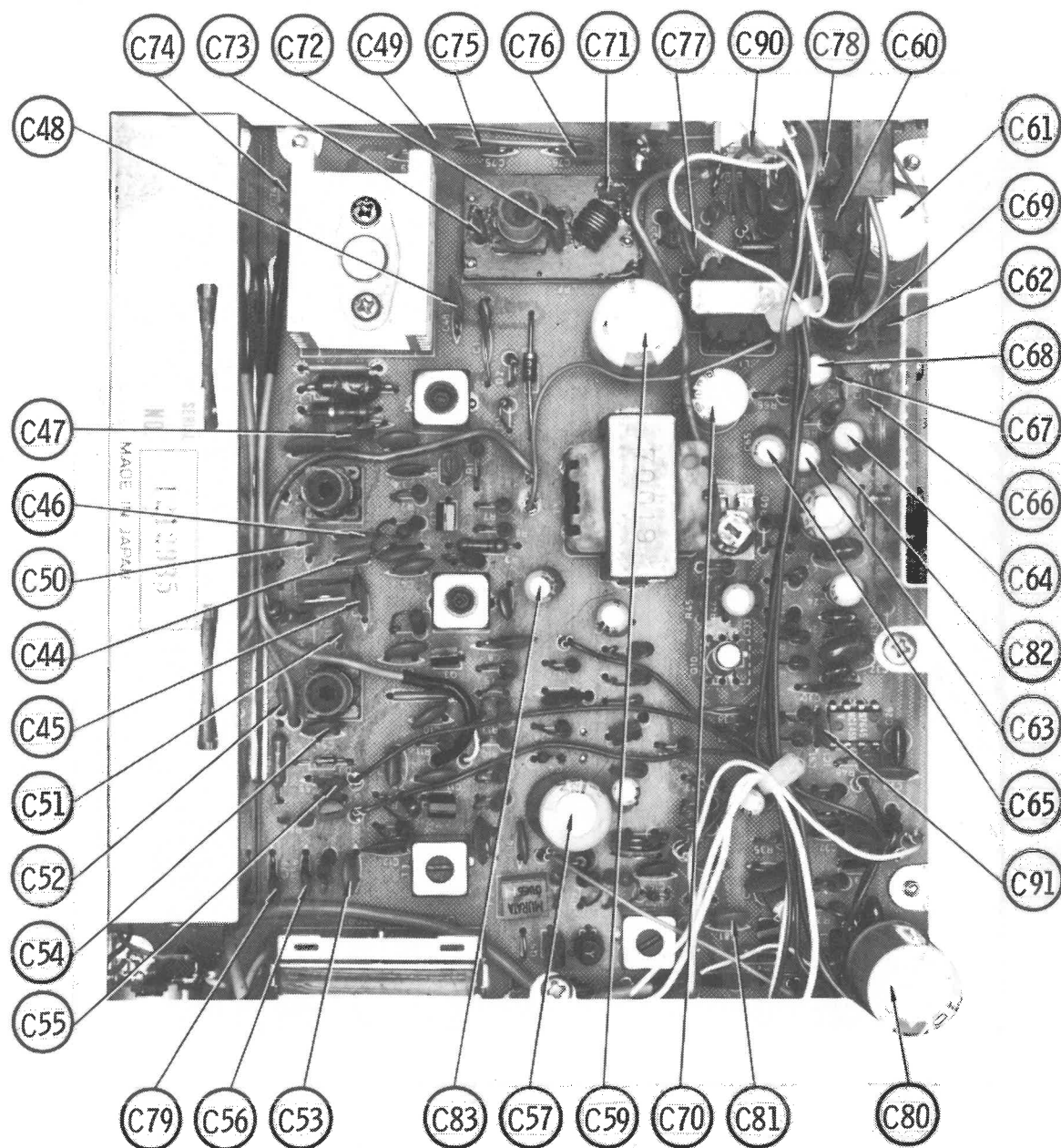


RAY JEFFERSON MODEL CB-740

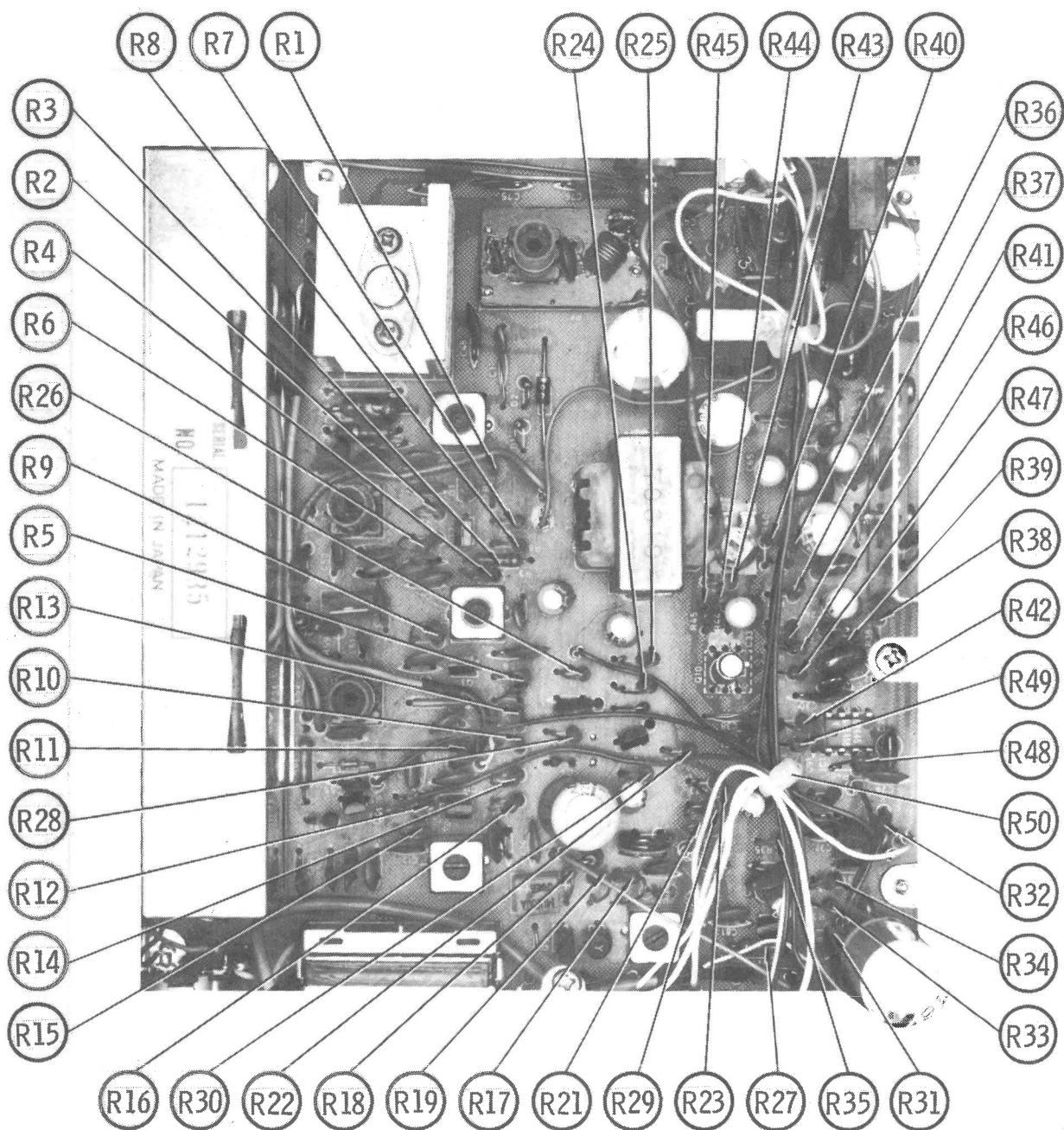
MAIN BOARD



MAIN BOARD



MAIN BOARD



MAIN BOARD

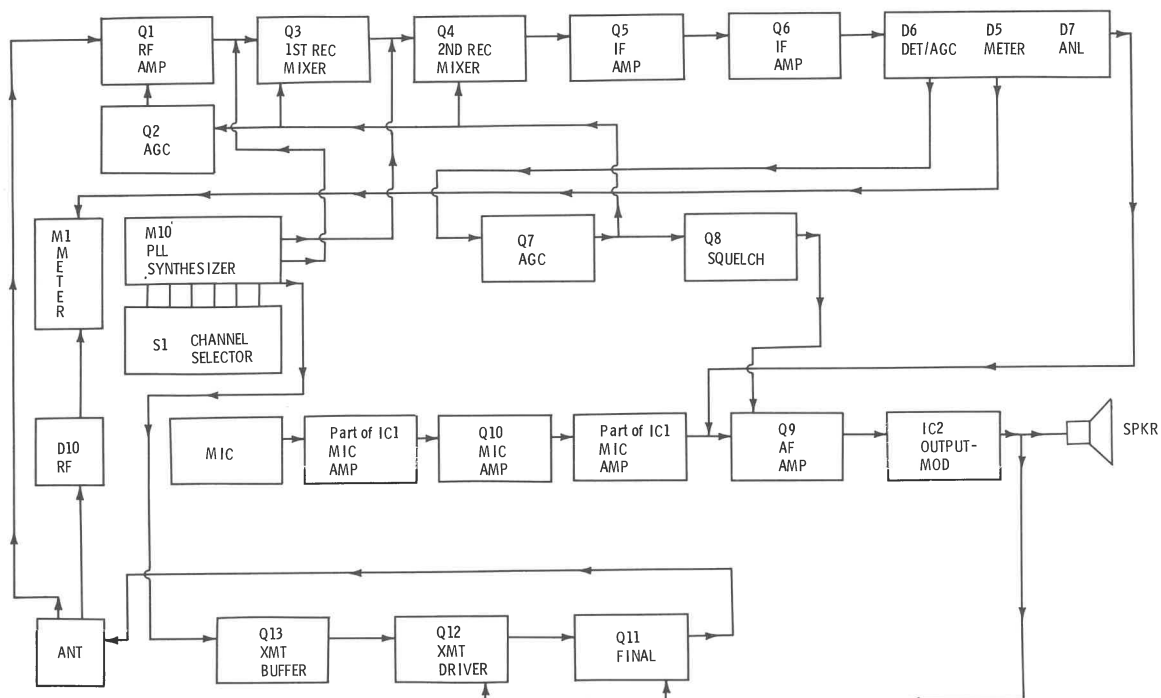
TRUTH CHART

1 = 5.97 Volts 0 = 0 Volts

1 = <u>5.97</u> Volts 0 = <u>0</u> Volts								
CHANNEL	M10 PLL SYNTHESIZER UNIT						REC VCO OUTPUT IN MHZ AT TP2	XMT VCO OUTPUT IN MHZ AT TP3
	PINS							
	5	6	7	8	9	10		
1	0	0	0	0	0	0	37.660	26.965
2	0	0	0	0	1	0	37.670	26.975
3	0	0	0	0	0	1	37.680	26.985
4	0	0	0	1	0	0	37.700	27.005
5	0	0	0	1	1	0	37.710	27.015
6	0	0	0	1	0	1	37.720	27.025
7	0	0	0	1	1	1	37.730	27.035
8	0	0	1	0	1	0	37.750	27.055
9	0	0	1	0	0	1	37.760	27.065
10	0	0	1	0	1	1	37.770	27.075
11	0	0	1	1	0	0	37.780	27.085
12	0	0	1	1	0	1	37.800	27.105
13	0	0	1	1	1	1	37.810	27.115
14	1	0	0	0	0	0	37.820	27.125
15	1	0	0	0	1	0	37.830	27.135
16	1	0	0	0	1	1	37.850	27.155
17	1	0	0	1	0	0	37.860	27.165
18	1	0	0	1	1	0	37.870	27.175
19	1	0	0	1	0	1	37.880	27.185
20	1	0	1	0	0	0	37.900	27.205

1 = 5.97 Volts 0 = 0 Volts

1 = <u>5.97</u> Volts 0 = <u>0</u> Volts								
CHANNEL	M10 PLL SYNTHESIZER UNIT						REC VCO OUTPUT IN MHZ AT TP2	XMT VCO OUTPUT IN MHZ AT TP3
	PINS							
	5	6	7	8	9	10		
21	1	0	1	0	1	0	37.910	27.215
22	1	0	1	0	0	1	37.920	27.225
23	1	0	1	1	1	0	37.950	27.255
24	1	0	1	0	1	1	37.930	27.235
25	1	0	1	1	0	0	37.940	27.245
26	1	0	1	1	0	1	37.960	27.265
27	1	0	1	1	1	1	37.970	27.275
28	0	1	1	0	0	0	37.980	27.285
29	0	1	0	0	1	0	37.990	27.295
30	0	1	0	0	0	1	38.000	27.305
31	0	1	0	0	1	1	38.010	27.315
32	0	1	0	1	0	0	38.020	27.325
33	0	1	0	1	1	0	38.030	27.335
34	0	1	0	1	0	1	38.040	27.345
35	0	1	0	1	1	1	38.050	27.355
36	0	1	1	0	0	0	38.060	27.365
37	0	1	1	0	1	0	38.070	27.375
38	0	1	1	0	0	1	38.080	27.385
39	0	1	1	0	1	1	38.090	27.395
40	0	1	1	1	0	0	38.100	27.405



BLOCK DIAGRAM

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.
D1	BA243		GE-300	D200	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177
D2	BA243		GE-300	D200	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177
D3	1S2076		GE-300	D200	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177
D4	HV46				PTC301					ECG605
D5	1S2076		GE-300	D200	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177
D6	1S2076		GE-300	D200	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177
D7	1S2075K		GE-300	D200	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177
D8	10E1		GE-504A	5A4D	PTC201	HEPR0052	RE 49	SK3030	RT-213	ECG116
D9	EQB01-09		GEZD-9.1	Z1209	ZB9.1A	HEPZ0412	RE 114	SK3060	RT-240	ECG139
D10	1S2076		GE-300	D200	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177
D11	10D6		GE-504A	5A4D	PTC201	HEPR0052	RE 49	SK3030	RT-213	ECG116
D12	10E1	(1)	GE-504A	5A4D	PTC201	HEPR0052	RE 49	SK3030	RT-213	ECG116
D13	EQB01-09		GEZD-9.1	Z1209	ZB9.1A	HEPZ0412	RE 114	SK3060	RT-240	ECG139
IC1	MC1458V									
	MC1458	(1)								
IC2	AN315									
Q1	2SC1856		GE-20	TR-24	PTC132	HEPS0015	RE 13	SK3018	RT-107A	ECG123A
Q2	2SC458D		GE-210 *	(IR)2SC458B	PTC121 *	HEPS0009 *	RE 13 *	SK3124	RT-187	ECG123A *
	2SC458C	(1)	GE-210 *	(IR)2SC458B	PTC121 *	HEPS0009 *	RE 13 *	SK3124	RT-187	ECG123A *
Q3	2SC460B		GE-61 *	(IR)2SC460B	PTC136 *	HEPS0014 *	RE 9	SK3018 *	RT-134	ECG107
Q4	2SC458C		GE-210 *	(IR)2SC458B	PTC121 *	HEPS0009 *	RE 13 *	SK3124	RT-187	ECG123A *
Q5	2SC458B		GE-210 *	(IR)2SC458B	PTC121 *	HEPS0009 *	RE 13 *	SK3124	RT-187	ECG123A *
Q6	2SA561Y		GE-269	TR-31	PTC103 *	HEPS0012 *	RE 197 *	SK3114	RT-106	ECG290
	2SA844C	(1)	GE-244 *	TR-30 *	PTC103 *	HEPS0019 *	RE 18 *	SK3114	RT-126A *	ECG129 *
	2SA495Y	(1)	GE-221 *	(IR)2SA495	PTC103 *	HEPS0013 *	RE 26 *	SK3114	RT-303	ECG159 *
	2SA562Y	(1)	GE-269	TR-31	PTC103 *	HEPS0012 *	RE 197 *	SK3114	RT-106	ECG290
Q7	2SC458D		GE-210 *	(IR)2SC458B	PTC121 *	HEPS0009 *	RE 13 *	SK3124	RT-187	ECG123A *
	2SC458C	(1)	GE-210 *	(IR)2SC458B	PTC121 *	HEPS0009 *	RE 13 *	SK3124	RT-187	ECG123A *
Q8	2SC458B		GE-210 *	(IR)2SC458B	PTC121 *	HEPS0009 *	RE 13 *	SK3124	RT-187	ECG123A *
Q9	2SC458C		GE-210 *	(IR)2SC458B	PTC121 *	HEPS0009 *	RE 13 *	SK3124	RT-187	ECG123A *
Q10	32310									
Q11	2SC756A		GE-46	WEP909	PTC158		RE 206		RT-306F	ECG282
Q12	2SC1728		GE-275	WEP918			RE 204		RT-310	ECG302
Q13	2SC1908E	(1)	GE-20 *	TR-21 *	PTC136 *	HEPS0015 *	RE 9 *	SK3124 *	RT-107A *	ECG107 *
	2SC1908	(1)	GE-20 *	TR-21 *	PTC136 *	HEPS0015 *	RE 9 *	SK3124 *	RT-107A *	ECG107 *

* Lead configuration may vary from original.

(1) Used in some versions.

PARTS LIST AND DESCRIPTION (CONTINUED)

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

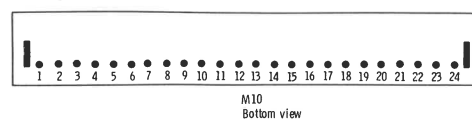
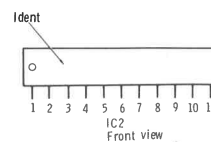
ELECTROLYTIC CAPACITORS

ITEM No.	RATING	REPLACEMENT DATA				
		MFRG. PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.	
					Q-LINE	GENERAL LINE
C17	.33 50V			TDC334M050EL	QDT1-14	SD50-R339
C19	10 16V		PC10-25	VTT10B25	QV1-41	EV-1222
C20	1 50V		PC1-50	VTT1A50	QV1-11	EV-1615
C21	4.7 25V		PC5-50	VTT4R7B50	QV1-27	EV-1319
C24	10 16V		PC10-25	VTT10B25	QV1-41	EV-1222
C28	220 16V		PC250-25	VTT220H16	QV1-117	EV-1240
C33	10 16V		PC10-25	VTT10B25	QV1-41	EV-1222
C36	1 50V		PC1-50	VTT1A50	QV1-11	EV-1615
C57	220 16V		PC250-25	VTT220H16	QV1-117	EV-1240
C59	1000 16V		PC1000-16	VTT1000L16	QV1-183	EV-1260
C61	470 16V		PC500-16	VTT470K16	QV1-151	EV-1250
C63	10 16V		PC10-25	VTT10B25	QV1-41	EV-1222
C64	47 10V		PC50-16	VTT47D16	QV1-73	EV-1226
C65	10 16V		PC10-25	VTT10B25	QV1-41	EV-1222
C68	47 10V		PC50-16	VTT47D16	QV1-73	EV-1226
C70	220 16V		PC250-25	VTT220H16	QV1-117	EV-1240
C78	10 16V		PC10-25	VTT10B25	QV1-41	EV-1222
C80	1000 16V		PC250-25	VTT220H16	QV1-117	EV-1240
C83	10 16V		PC10-25	VTT10B25	QV1-41	EV-1222

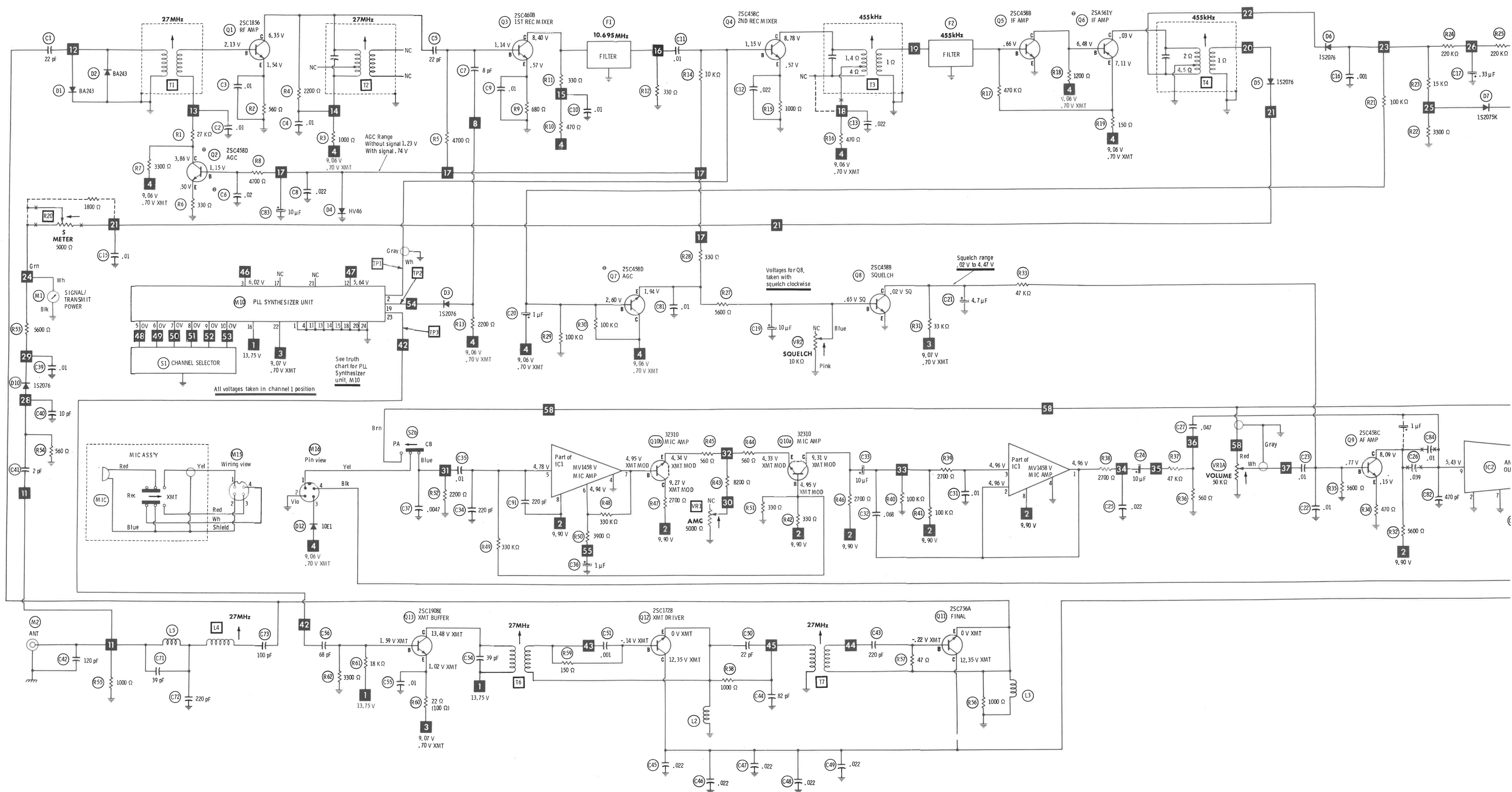
CAPACITORS

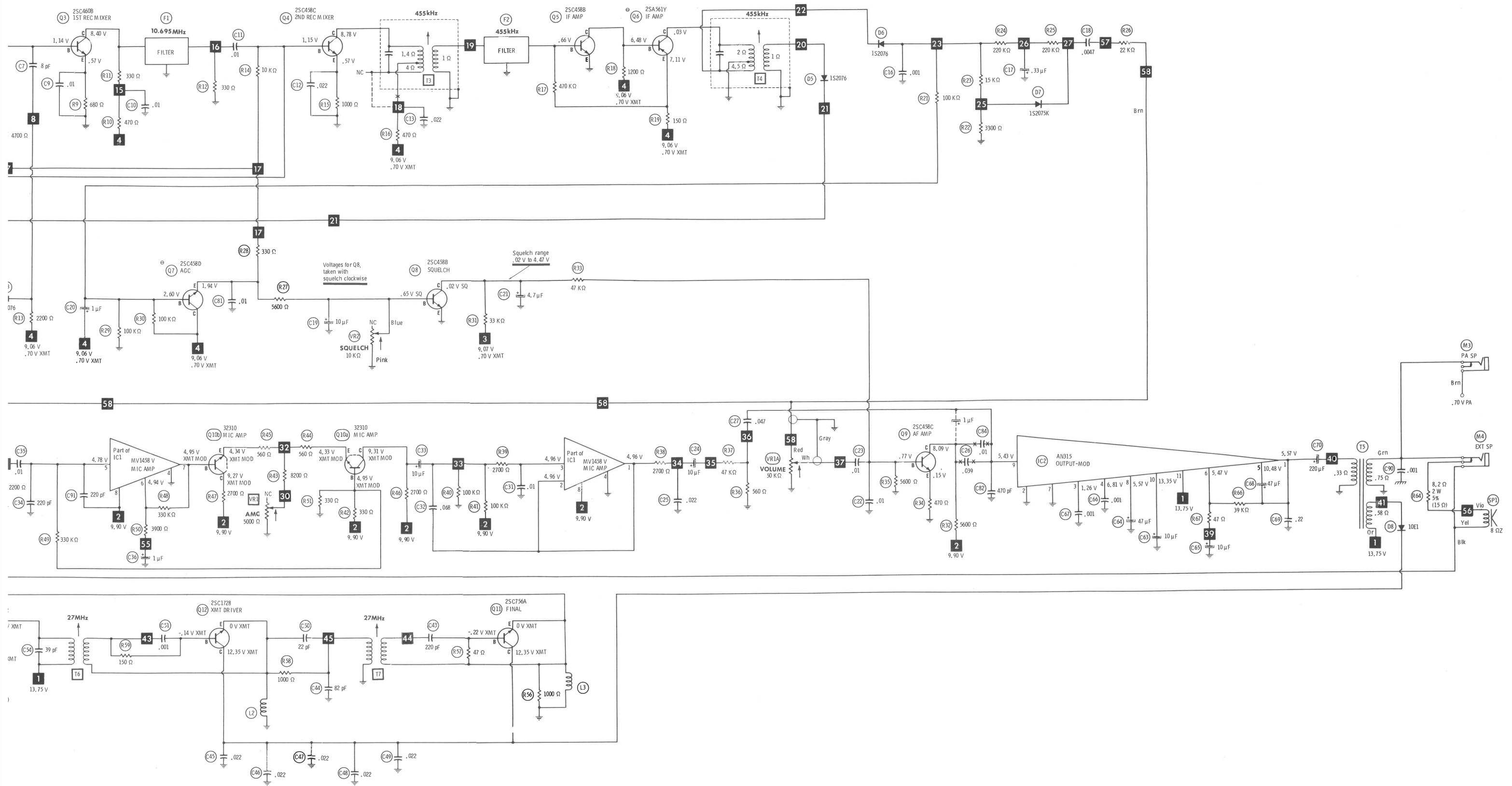
ITEM No.	RATING	MFRG. PART No.	REPLACEMENT DATA				
			CENTRALAB PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.	
						Q-LINE	GENERAL LINE
C1	22 N220 10%	(1)			*		10TCR-Q22
C2	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C3	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C4	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C5	22 N220 10%				*		10TCR-Q22
C6	.02		DC-203	MGP02	TA120	QC2-157	TG-S20
	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C7	8 NPO						
C8	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C9	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C10	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C11	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C12	.022		DC-203	MGP02	TA120	QC2-157	TG-S20
C13	.022		DC-203	MGP02	TA120	QC2-157	TG-S20
C14	.022		DC-203	MGP02	TA120	QC2-157	TG-S20
C15	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C16	.001		DD-102		GP210		10TS-D10
C18	.0047		DD-472	GP4700	GP247		5GA-D47
C22	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C23	.01 10%			WMF1S1	EWFA1A110	QFT2-91	1FT-S10
C25	.022 10%				M192P2239R8	QFT2-127	1FT-S22
C26	.039 10%				M192P3939R8	QFT2-159	1FT-S39
C27	.047 10%				EWFA1A147	QFT2-171	1FT-S47
C29	.022		DC-203	DPMS2S47	TA120	QC2-157	TG-S20
C30	.022		DC-203	MGP02	TA120	QC2-157	TG-S20
C31	.01			WMF1S1	EWFA1A110	QFT2-91	1FT-S10
C32	.068			WMF1S68	EWFA1A168	QF1-195	1PB-S68
C34	220 N750 10%		DTN-220	N220	CN7322		10TCU-T22
C35	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C37	.0047		DD-472	GP4700	GP247		5GA-D47
C38	.022		DC-203	MGP02	TA120	QC2-157	TG-S20
C39	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C40	10		DTZ-10	NP010	CN0410		10TCC-Q10
C41	2		DTZ-2R2	NP02P2	CN0522		10TCC-V22
C42	120 N750 10%		DTN-120				10TCU-T12
C43	220 N220 10%				*		10TCR-T22
C44	82 N220 5%				*		10TCR-Q82
C45	.022		DC-203	MGP02	TA120	QC2-157	TG-S20
C46	.022		DC-203	MGP02	TA120	QC2-157	TG-S20
C47	.022		DC-203	MGP02	TA120	QC2-157	TG-S20
C48	.022		DC-203	MGP02	TA120	QC2-157	TG-S20
C49	.022		DC-203	MGP02	TA120	QC2-157	TG-S20
C50	22 N220 10%				*		10TCR-Q22
C51	.001		DD-102		GP210		10TS-D10
C52	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C53	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C54	39 N220 10%				*		10TCR-Q39
C55	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C56	68 N750 10%		DTN-68	N68	CN7468		10TCU-Q68
C60	.033		UK50-333		MAG50133		
C62	.033		UK50-333		MAG50133		
C66	.001		DD-102		GP210		10TS-D10
C67	.001		DD-102		GP210		10TS-D10
C69	.22 10%			WMF05P22	EWFO5022	QFT2-253	1FT-P22
C71	39				CN0439		10TCC-Q39
C72	220 5%						
C73	100		DD-101	GP100	GP310		10TS-T10
C74	.022		DC-203	MGP02	TA120	QC2-157	TG-S20
C75	.022		DC-203	MGP02	TA120	QC2-157	TG-S20
C76	.022		DC-203	MGP02	TA120	QC2-157	TG-S20

RAY JEFFERSON MODEL CB-740



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PARTS LIST AND DESCRIPTION (CONTINUED)

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

CAPACITORS (cont)

ITEM No.	RATING	MFGR. PART No.	REPLACEMENT DATA				
			CENTRALAB PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.	
						Q-LINE	GENERAL LINE
C77	.022		DC-203	MGP02	TA120	QC2-157	TG-S20
C79	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C81	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C82	470		DD-471	GP470	GP347		10TS-T47
C84	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C90	.001		DD-102		GP210		10TS-D10
C91	220 N750 10%		DTN-220	N220	CN7322		10TCU-T22

*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	RESIST-ANCE	REPLACEMENT DATA				
			MFGR. PART No.	CENTRALAB PART No.	CLAROSTAT PART No.	MALLORY PART No.	TRW PART No.
VR1	AMC	5000					
VR1A	Volume/Switch	50K					
VR2	Squelch	10K					
R20	S Meter	5000		T-5000 (2)	C-502 (2)	MTC53L1 (2)	X201R502B (2)

(2) Cut off one of the end terminals and bend to fit PC board.

COILS (RF-IF)

ITEM No.	FUNCTION	REPLACEMENT DATA			REMARKS
		PART No.	OTHER IDENTIFICATION	MILLER PART No.	
L2	RF Choke				
L2	RF Choke				
L4	Final Amp (27MHz)				
L5	RF Choke				
T1	Rec Antenna (27MHz)				
T2	Rec RF (27MHz)				
T3	IF (455kHz)				
T4	IF (455kHz)				
T6	XMT Buffer (27MHz)				
T7	XMT Driver (27MHz)				

PARTS LIST AND DESCRIPTION (CONTINUED)

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

FILTER CHOKE

ITEM No.	RATINGS			REPLACEMENT DATA			NOTES
	CURRENT (Measured)	DC RES.	INDUCTANCE (0 CURRENT 1000~)	MFGR. PART No.	THORDARSON PART No.	TRIAD PART No.	
L1	1.075A	.1	1.1mH	1002 (1)	TR509		(1) Number on Unit.

PARTS LIST AND DI

(When ordering parts, state Mod

FUSE DEVICES

ITEM No.	DESCRIPTION
F1	2A Fast Acting

MICROPHONE

ITEM No.	REPLACEMENT DATA	
	MFGR. PART No.	GENERAL PART No.
MIC		18-03

TRANSFORMER (Audio Output)

ITEM No.	IMPEDANCE		REPLACEMENT DATA			NOTES
	PRI.	SEC.	MFGR. PART No.	THORDARSON PART No.	TRIAD PART No.	
T5	3.92	1 2 8 23.12	70019 (1)			(1) Number on unit.

MISCELLANEOUS

ITEM No.	PART NAME
F1	Filter
F2	Filter
M1	Meter
M2	Jack
M3	Jack
M4	Jack
M10	PLL Unit
M11	Lamp
M12	Lamp
M14	Jack
M16	Jack
S1	Switch
S2	Switch

SPEAKER

ITEM No.	TYPE	REPLACEMENT DATA		NOTES
		MFGR. PART No.	QUAM PART No.	
SP1	2 1/2" PM 8 Ohms		25A05Z8R	

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

SPRAGUE PART No.	
LINE	GENERAL LINE
-157 -141 -141 -141	TG-S20 TG-S10 TG-S10 10TS-T47 TG-S10 10TS-D10 10TCU-T22

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.	
L1	1.075A	.1	1.1mH	1002 (1)	TR509		(1) Number on Unit.

ORY No.	TRW PART No.
(2)	X201R502B (2)

TRANSFORMER (Audio Output)

ITEM No.	IMPEDANCE		REPLACEMENT DATA			NOTES
	PRI.	SEC.	MFGR. PART No.	THORDARSON PART No.	TRIAD PART No.	
T5	3.92	1 2 8 23.12	70019 (1)			(1) Number on unit.

REMARKS

SPEAKER

ITEM No.	TYPE	REPLACEMENT DATA		NOTES
		MFGR. PART No.	QUAM PART No.	
SP1	2 1/2" PM 8 Ohms		25A05Z8R	

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

FUSE DEVICES

ITEM No.	DESCRIPTION	REPLACEMENT DATA						
		PART No.		BUSS PART No.		LITTELFUSE PART No.		WORKMAN PART No.
		DEVICE	HOLDER	DEVICE	HOLDER	DEVICE	HOLDER	DEVICE
F1	2A Fast Acting			AGC2	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		18-032	18-034	18-010	18-092	1	2	3	4	NC	2

MISCELLANEOUS

ITEM No.	PART NAME	PART No.	NOTES
F1 F2 M1 M2 M3 M4 M10 M11 M12 M14 M16 S1 S2	Filter Filter Meter Jack Jack Jack PLL Unit Lamp Lamp Jack Jack Switch Switch		10.695MHz 455kHz S/Rf Antenna PA Sp. Ext. Sp. Channel (13.75V @ 80mA) Meter (13.75V @ 50mA) DC Power Microphone Channel Selector PA/CB