



# PHOTOFACT<sup>®</sup> with

# CIRCUITRACE<sup>®</sup>

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 1-673

ROYCE MODEL 1-673

## MANUFACTURER'S SPECIFICATIONS

### RECEIVER

- |   |                                  |
|---|----------------------------------|
| 1. Frequency Range (MHz)                              | : 26.965- 27.405.                |
| 2. Sensitivity  | : 0.5uV for 10db S+N/N           |
| 3. Selectivity  | 5KHz minimum at 6db down         |
| 4. Adj. Channel Rejection                             | : More than 60db.                |
| 5. Audio Power output at 8 ohms                       | : More than 4W at 10% distortion |
| 6. Audio fidelity (1KHz=0db, 6db down)                | : 400Hz-2,000Hz                  |
| 7. A.G.C. figure of merit (Input 94db for 10db range) | : More than 80db                 |
| 8. Squelch sensitivity (Threshold)                    | : Less than 0.5uV                |
| 9. Spurious Rejection                                 | : More than 45db                 |

### TRANSMITTER

- |                          |                   |
|--------------------------|-------------------|
| 1. Frequency Range (MHz) | : 26.965— 27.405. |
| 2. RF Output Power       | : 4W average      |
| 3. Modulation Capability | : 100%            |
| 4. Spurious Suppression  | : More than 60db. |
| 5. Frequency Tolerance   | : $\pm 0.005\%$   |

Courtesy of the Manufacturer

**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.

Suggested Alignment Tools: GC ELECTRONICS:

T201.....5009, 8728-A, 8728

T101, T102.....9440

L403, L404, T401, T402.....9091, 8728-A, 8728

## SYNTHESIZER ALIGNMENT

TEST EQUIPMENT	TRANSCEIVER	ADJUST	REMARKS
Input of frequency counter to TP1 (PLL-1, Pin 2).	Ch.1		Check for 10.240MHz.
Input of frequency counter to TP2 (PLL-1, Pin 19).	Ch.1		Check for 37.660MHz. Check all channels. (See Truth Chart for correct frequencies).
Input of frequency counter to TP4 (PLL-1, Pin 23).	Ch.1, Xmt		Check for 26.965MHz. Check all channels. (See Truth Chart for correct frequencies).

## RECEIVER ALIGNMENT

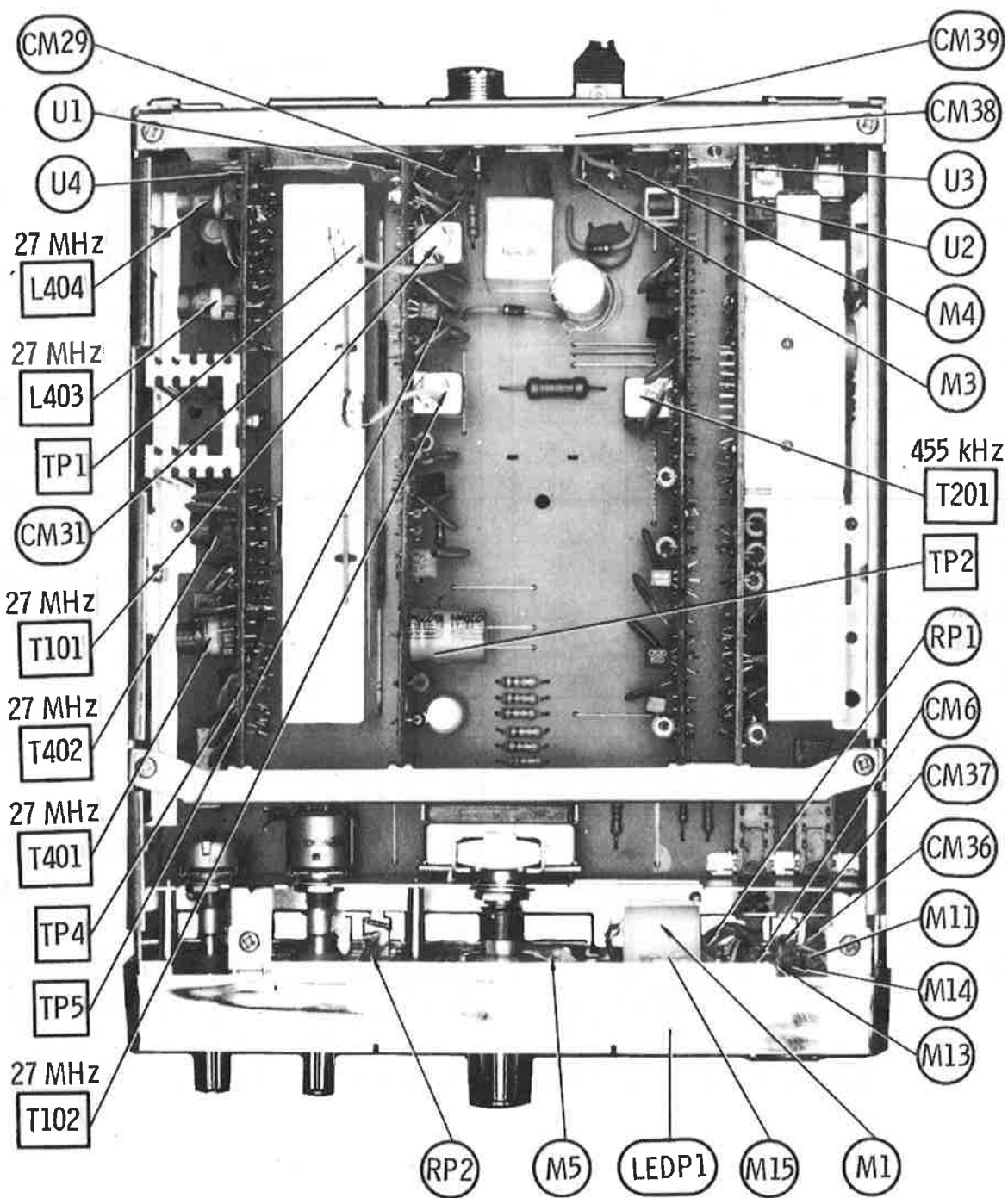
Connect an AC VTVM or AF wattmeter across speaker voice coil.  
Adjust volume control to obtain a suitable indication.  
Set generator output low enough to prevent AGC limiting.

TEST EQUIPMENT	TRANSCEIVER	ADJUST	REMARKS
Output of signal generator thru .01uF to TP5 (Q201, base). 455kHz, 1000Hz @ 30% modulation.	Ch. 19, Squelch-MINIMUM ANL-Off	T201	Adjust for maximum output.
Output of signal generator thru .01uF to antenna Jack. 27.185MHz, 1000Hz @ 30% modulation.	Ch. 19, Squelch-MINIMUM ANL-Off	T102,T101	Adjust for maximum output. If necessary readjust T201.

## 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	T401,T402, L403,L404	Adjust for maximum.
	Ch. 19	T402	Adjust for 4 watts maximum.

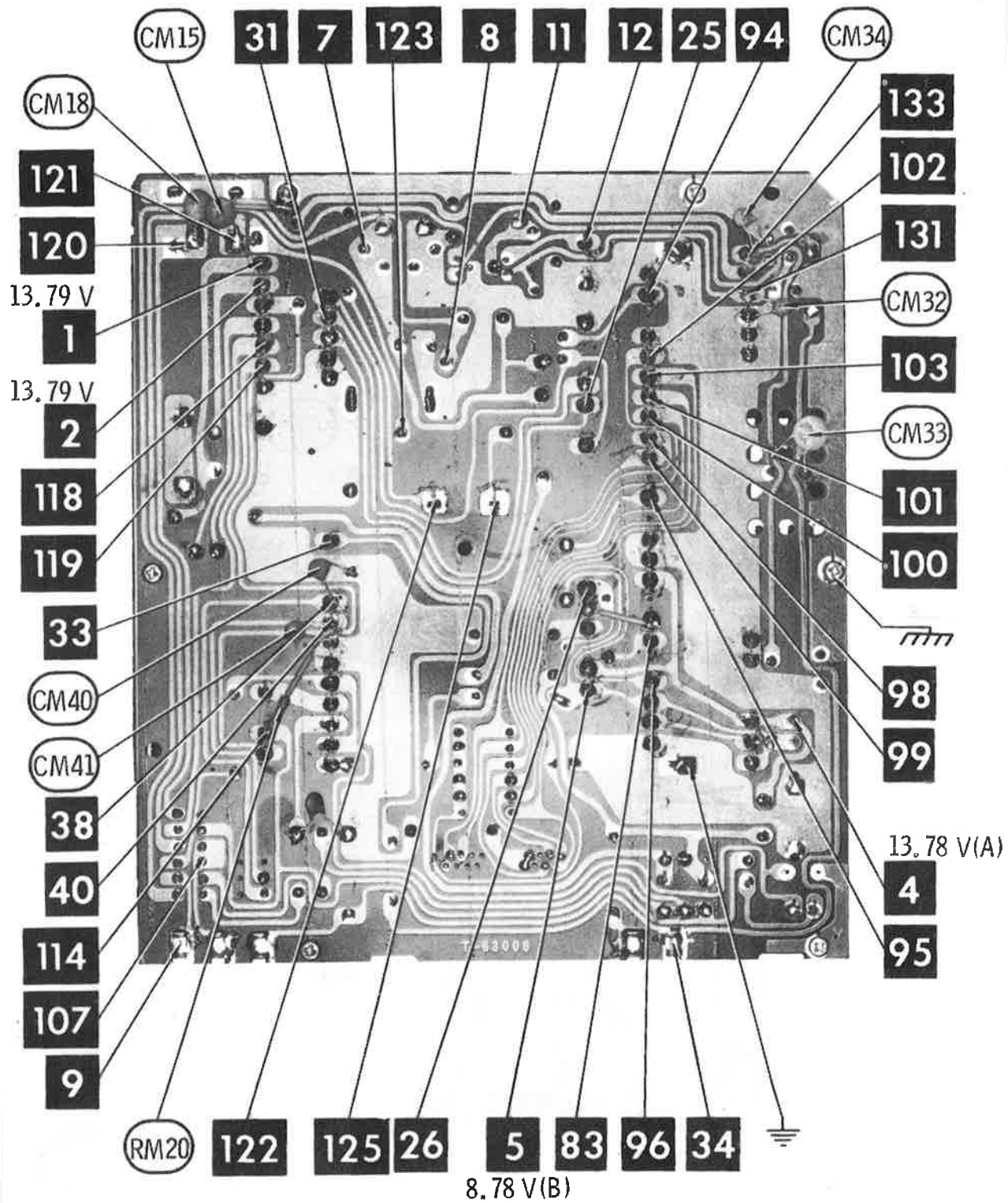


CHASSIS-BOTTOM

# TRUTH CHART

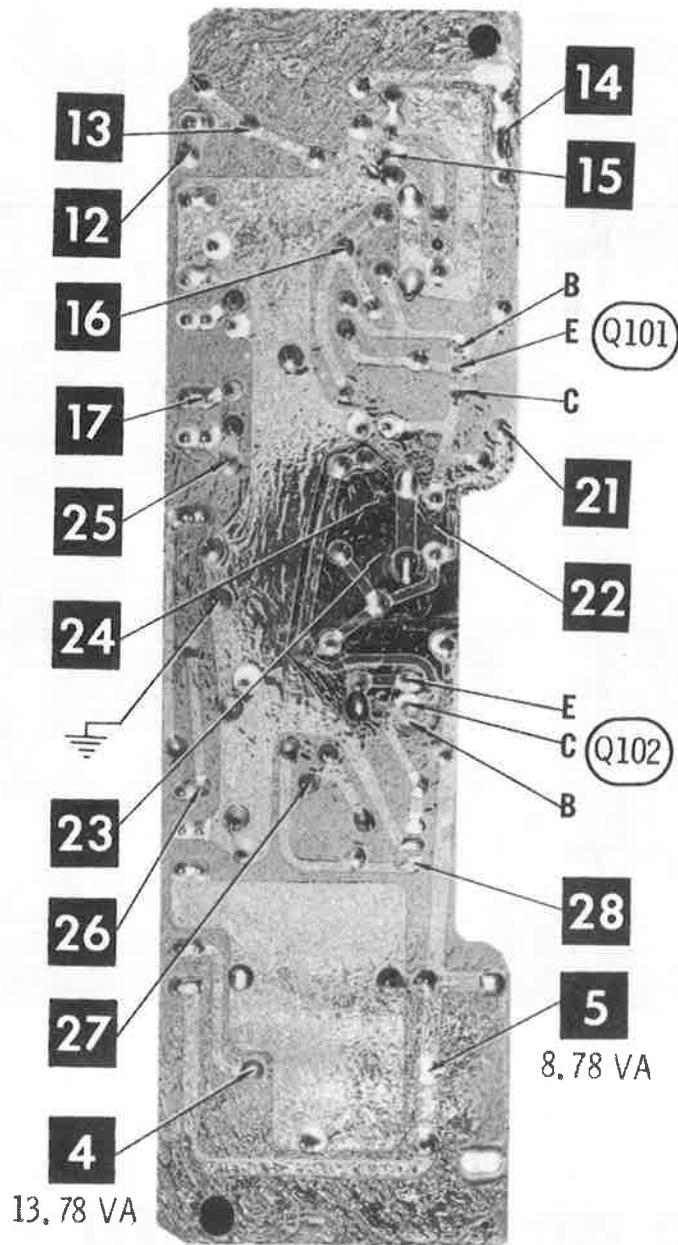
1 = <u>7.58</u> Volts    0 = <u>0</u> Volts								
C H A N N E L	PLL-1 PROGRAM DIVIDER						REC VCO OUTPUT IN MHz AT TP2	XMT VCO OUTPUT IN MHz AT TP3
	PINS							
	6	5	7	8	10	9		
1	0	0	0	0	0	0	37.660	26.965
2	0	0	0	0	0	1	37.670	26.975
3	0	0	0	0	1	0	37.680	26.985
4	0	0	0	1	0	0	37.700	27.005
5	0	0	0	1	0	1	37.710	27.015
6	0	0	0	1	1	0	37.720	27.025
7	0	0	0	1	1	1	37.730	27.035
8	0	0	1	0	0	1	37.750	27.055
9	0	0	1	0	1	0	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	1	0	37.800	27.105
13	0	0	1	1	1	1	37.810	27.115
14	0	1	0	0	0	0	37.820	27.125
15	0	1	0	0	0	1	37.830	27.135
16	0	1	0	0	1	1	37.850	27.155
17	0	1	0	1	0	0	37.860	27.165
18	0	1	0	1	0	1	37.870	27.175
19	0	1	0	1	1	0	37.880	27.185
20	0	1	1	0	0	0	37.900	27.205

1 = <u>7.58</u> Volts    0 = <u>0</u> Volts								
CHANNEL	PLL-1 PROGRAM DIVIDER						REC VCO OUTPUT IN MHz AT TP2	XMT VCO OUTPUT IN MHz AT TP3
	PINS							
	6	5	7	8	10	9		
21	0	1	1	0	0	1	37.910	27.215
22	0	1	1	0	1	0	37.920	27.225
23	0	1	1	1	0	1	37.950	27.255
24	0	1	1	0	1	1	37.930	27.235
25	0	1	1	1	0	0	37.940	27.235
26	0	1	1	1	1	0	37.960	27.265
27	0	1	1	1	1	1	37.970	27.275
28	1	0	0	0	0	0	37.980	27.285
29	1	0	0	0	0	1	37.990	27.295
30	1	0	0	0	1	0	38.000	27.305
31	1	0	0	0	1	1	38.010	27.315
32	1	0	0	1	0	0	38.020	27.325
33	1	0	0	1	0	1	38.030	27.335
34	1	0	0	1	1	0	38.040	27.345
35	1	0	0	1	1	1	38.050	27.355
36	1	0	1	0	0	0	38.060	27.365
37	1	0	1	0	0	1	38.070	27.375
38	1	0	1	0	1	0	38.080	27.385
39	1	0	1	0	1	1	38.090	27.395
40	1	0	1	1	0	0	38.100	27.405

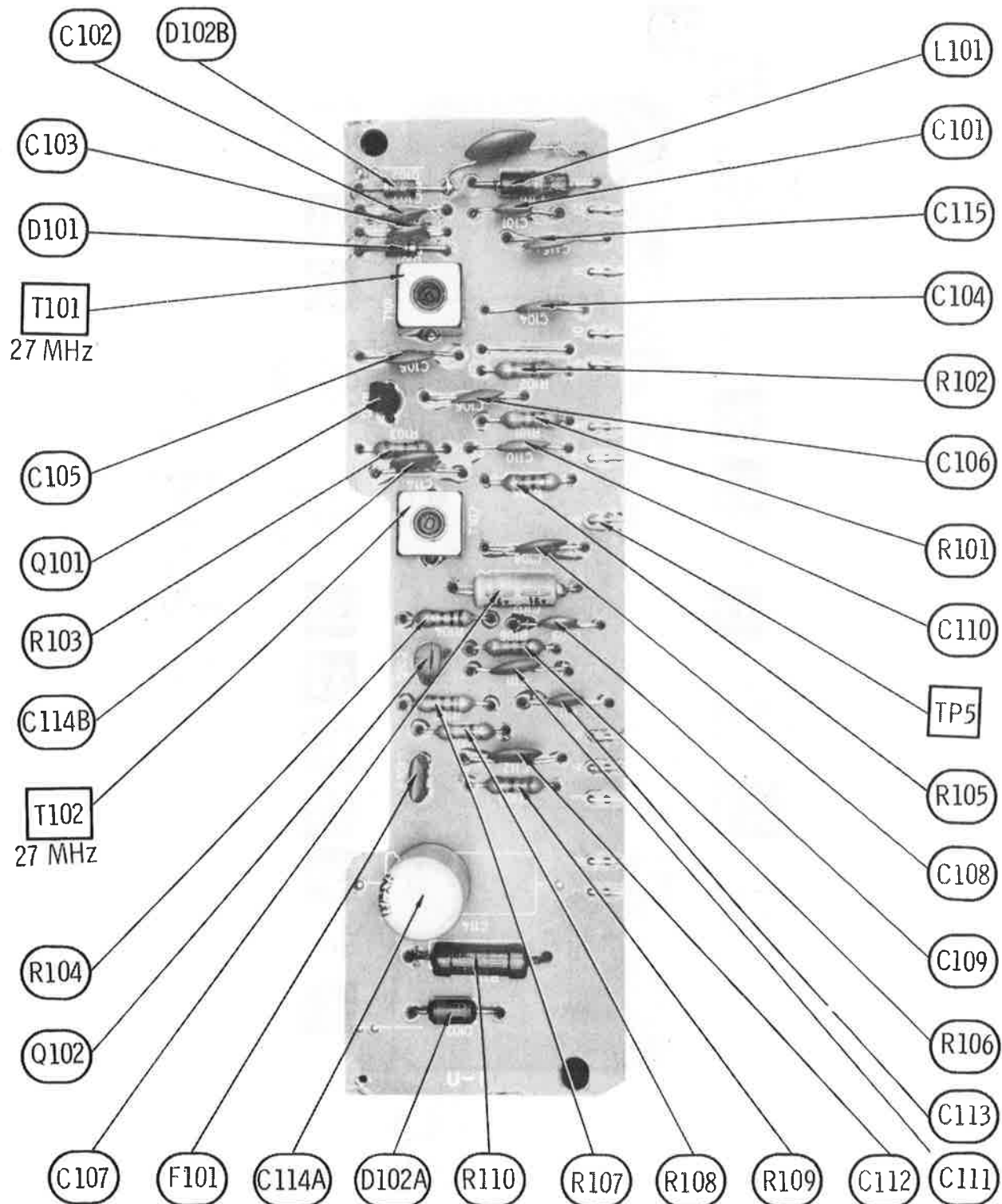


ROYCE MODEL 1-673

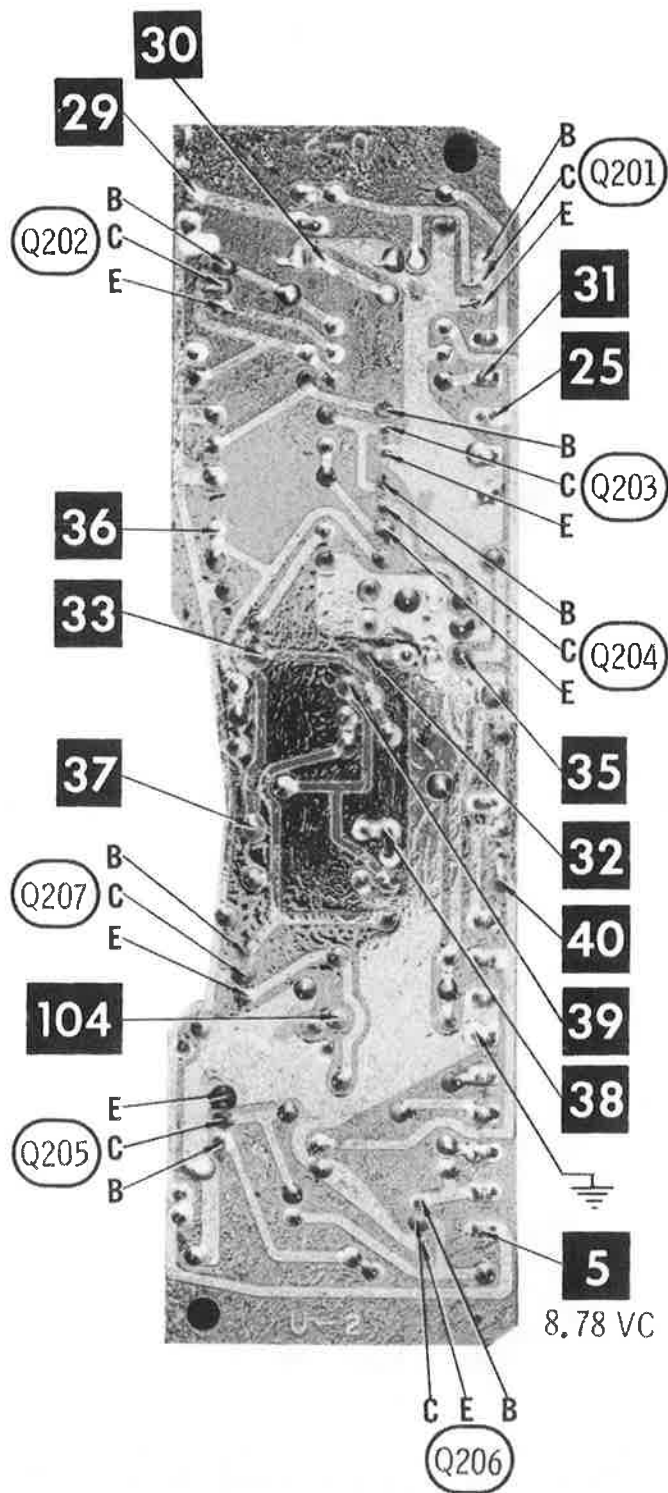
MOTHER BOARD



U-1 BOARD



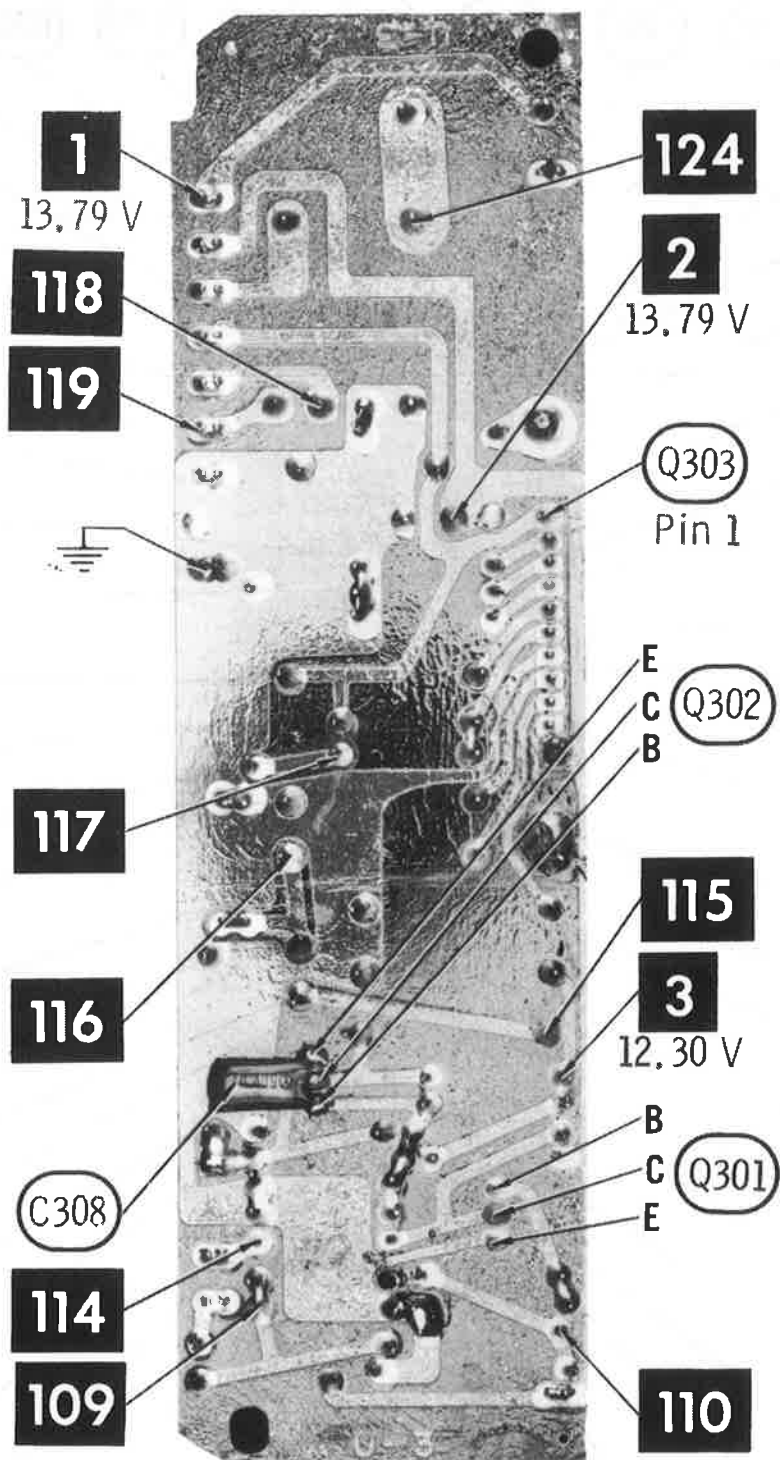
U-1 BOARD



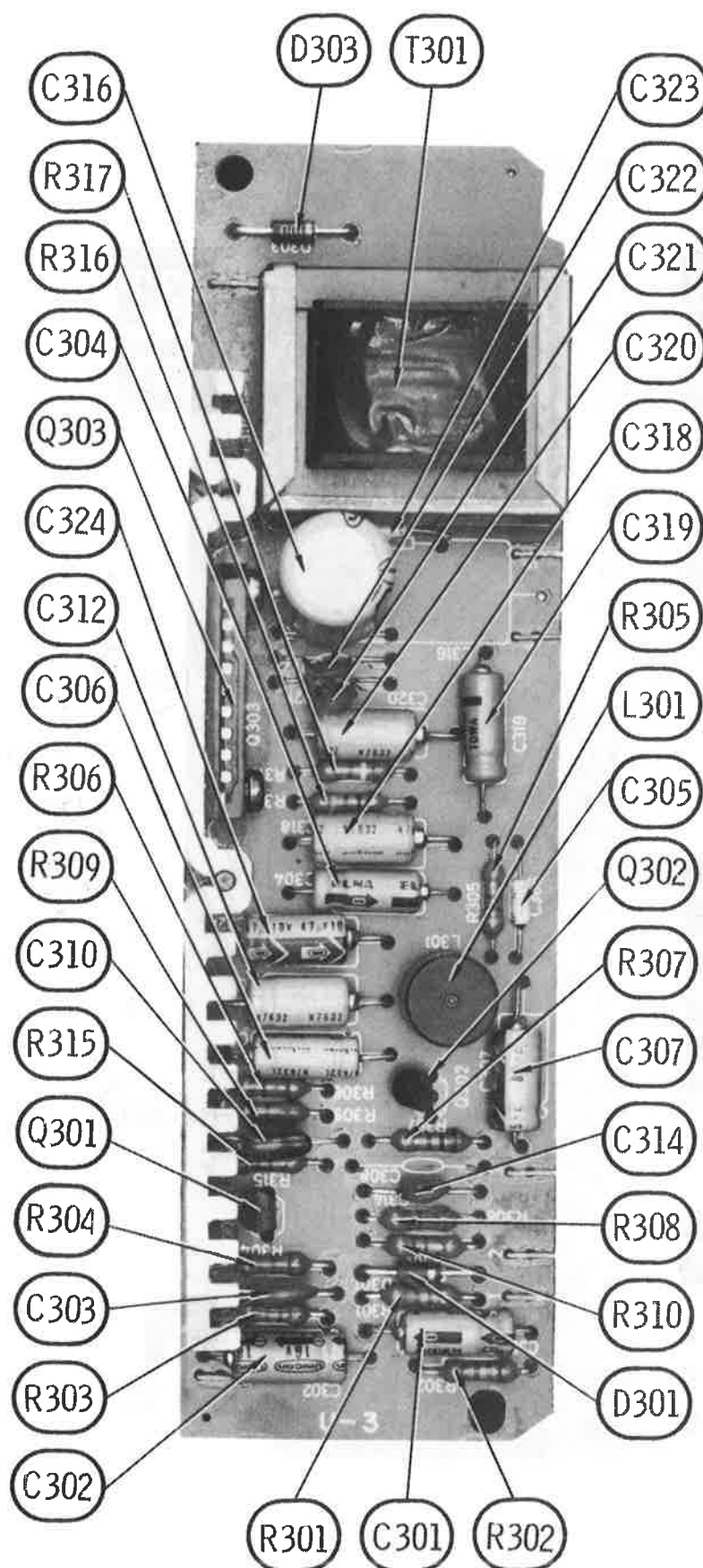
U-2 BOARD



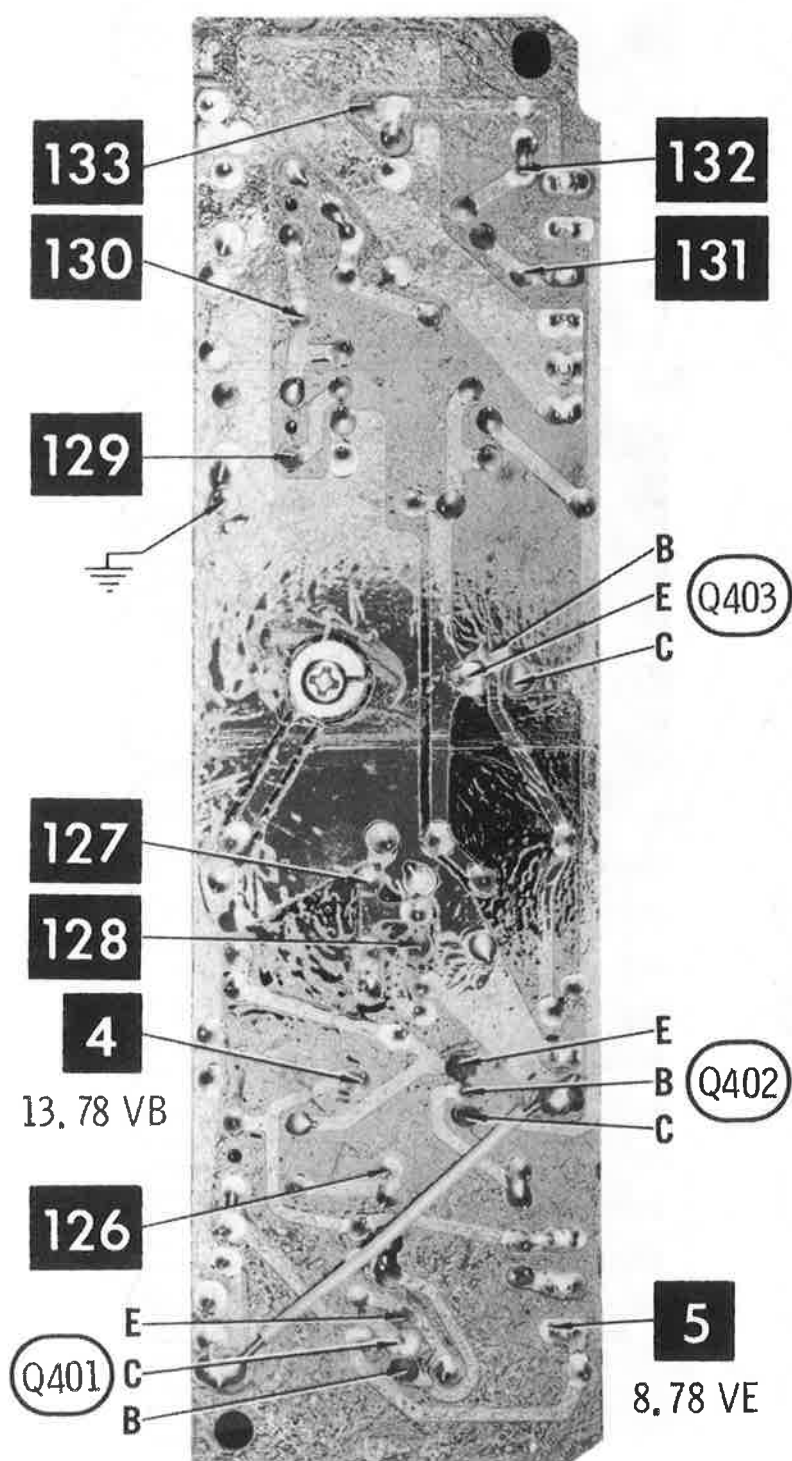




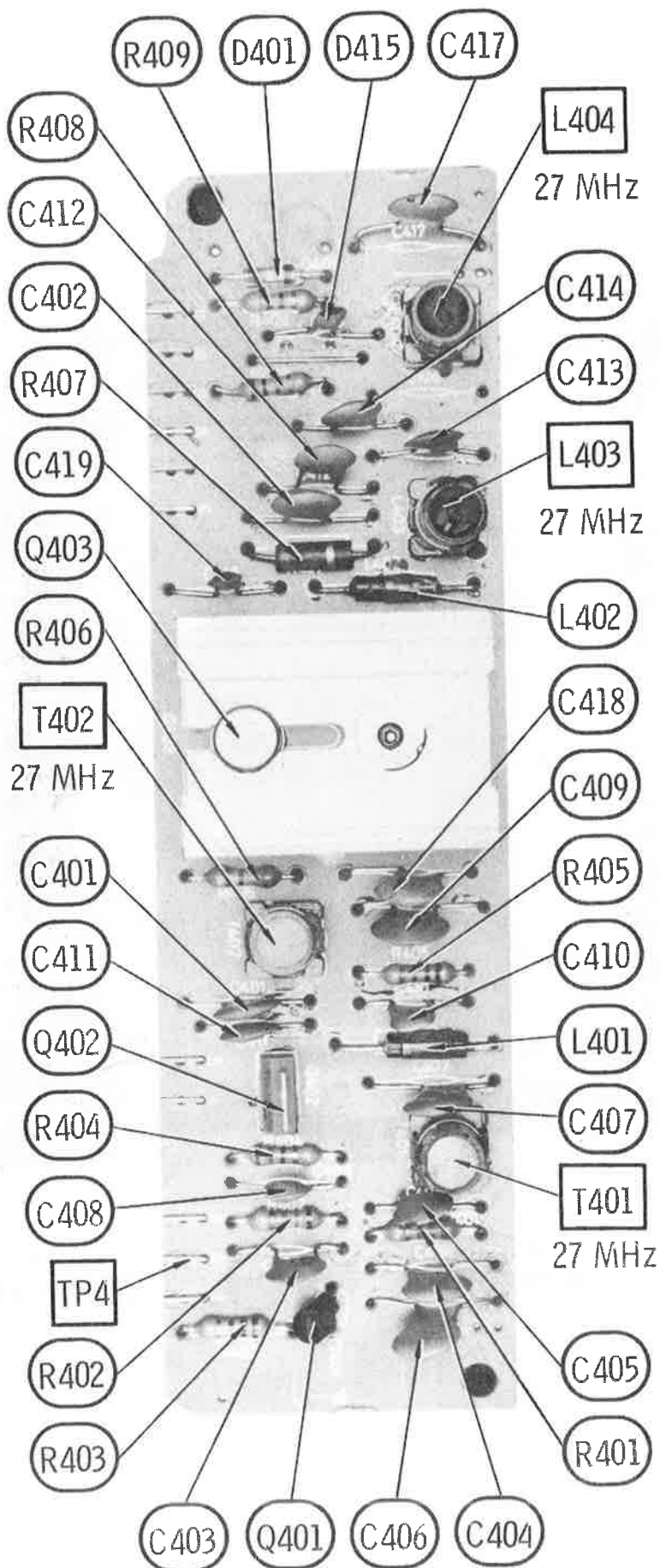
U-3 BOARD



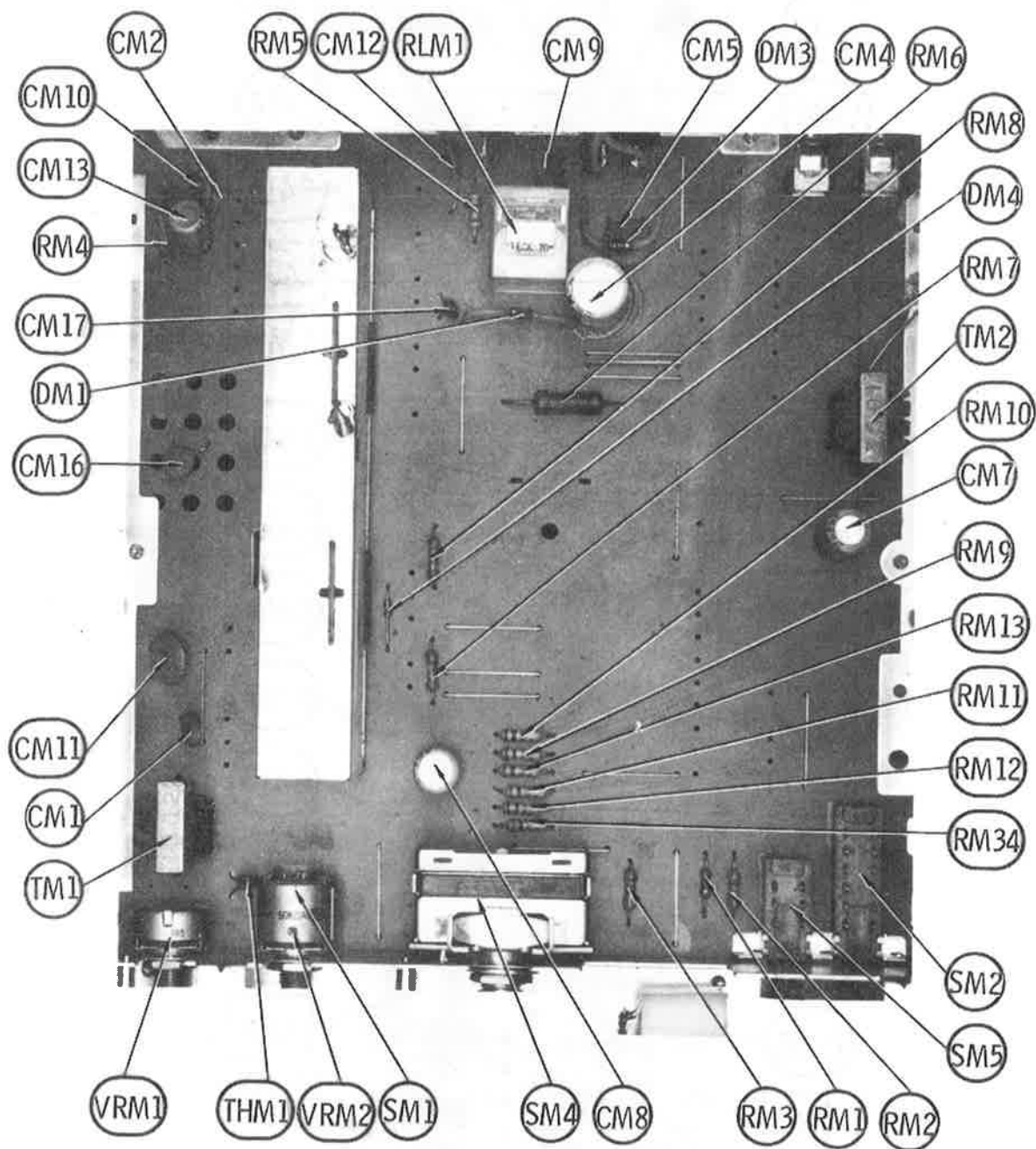
U-3 BOARD



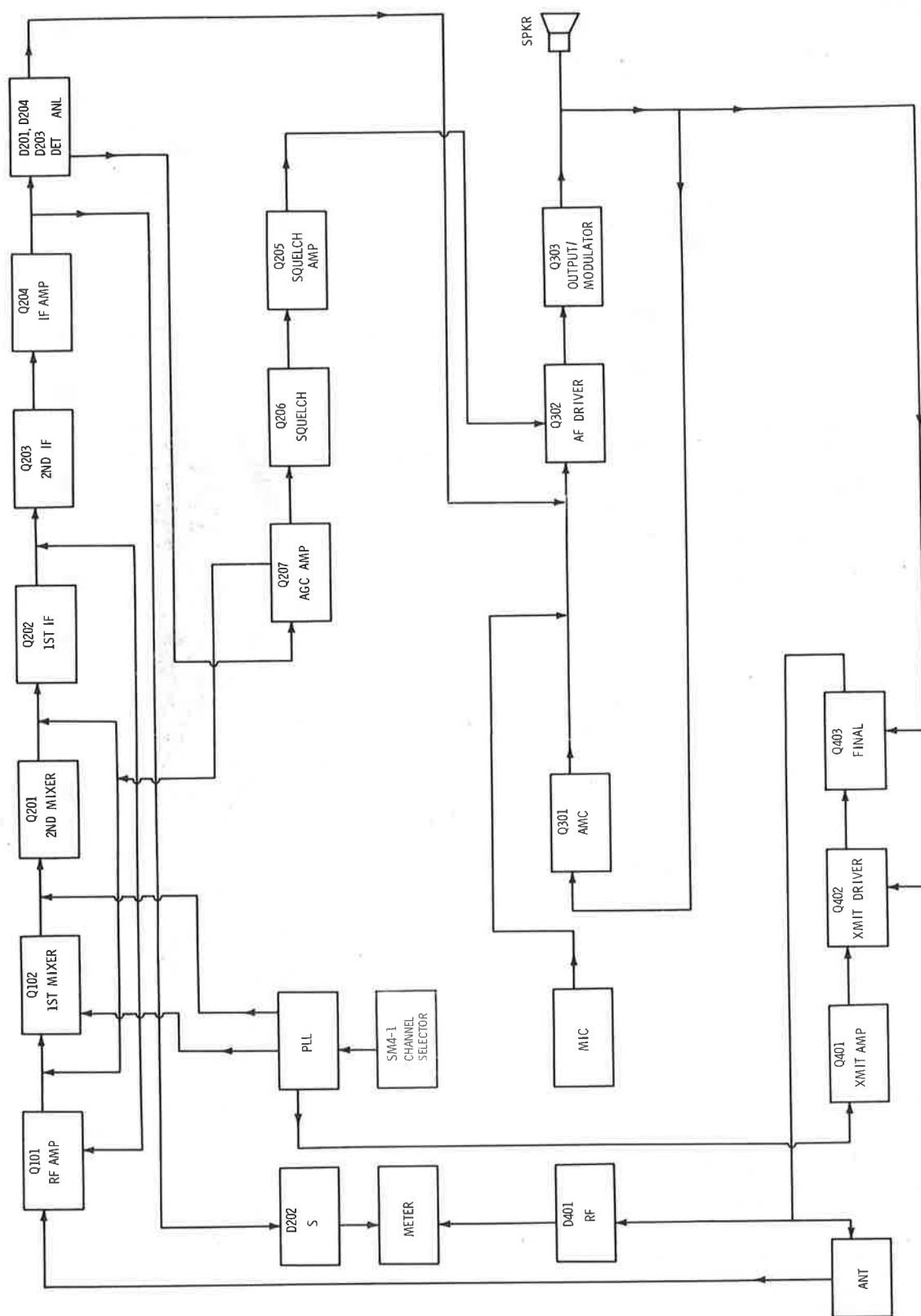
U-4 BOARD



U-4 BOARD

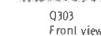


MOTHER BOARD



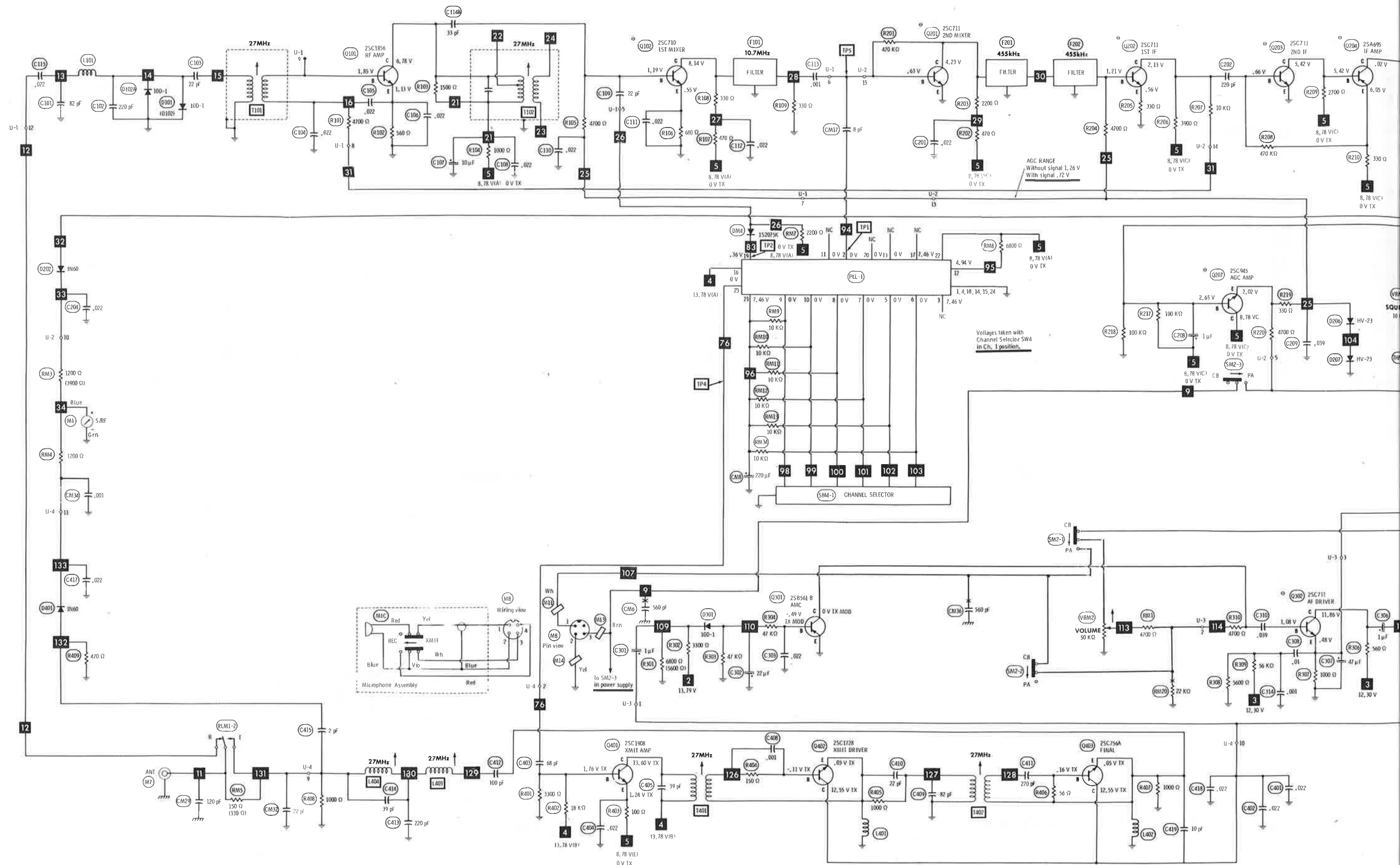
BLOCK DIAGRAM

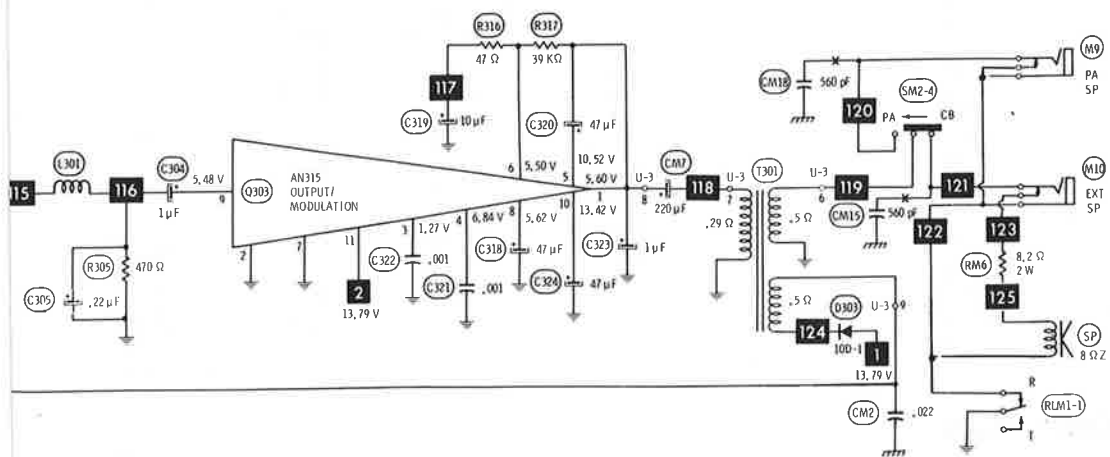
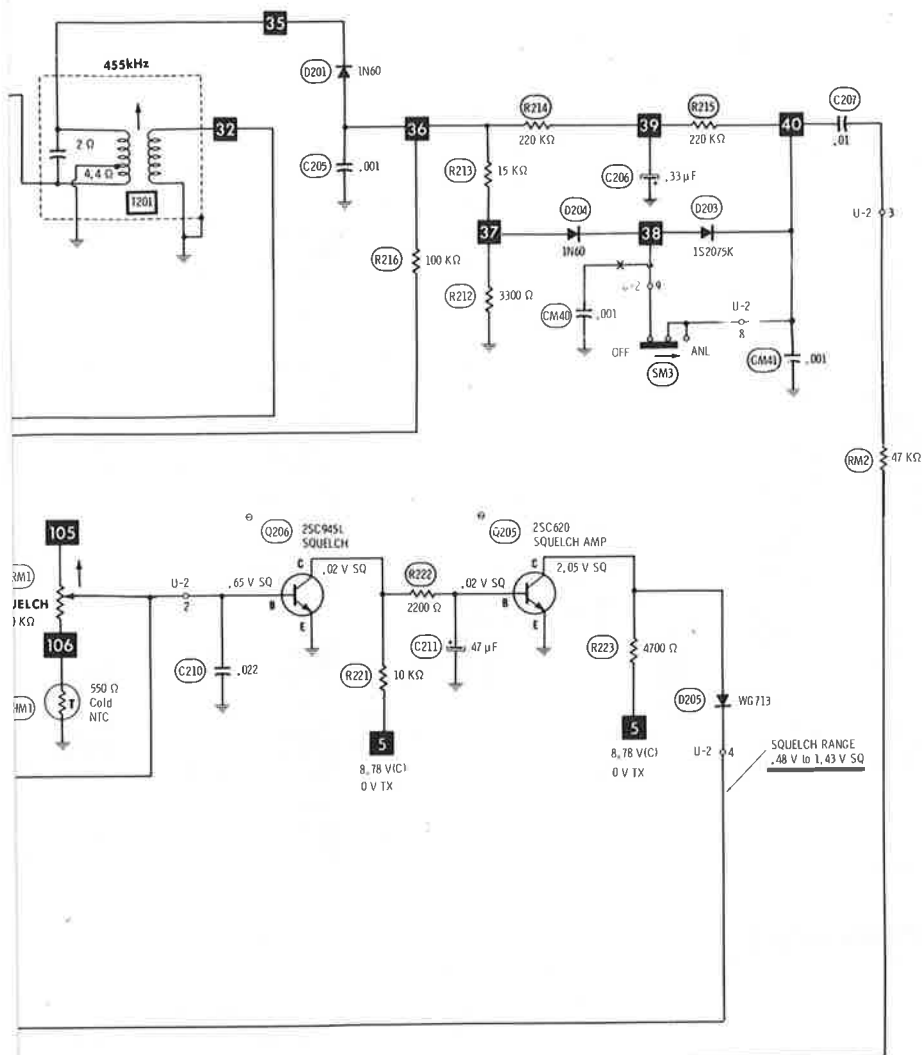




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PARTS LIST AND DESCRIPTION  
(When ordering parts, state Model, Part Number, and Description.)

SEMICONDUCTORS (Select replacement transistor for best results)

ITEM No.	TYPE No.	MFR. PART No.	REPLACEMENT DATA									
			GENERAL ELECTRIC PART No.	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	10D-1		GE-504A	PTC201	HEPR0052	RE 49	SK3030	RT-213	ECG116	1N4004	WEP156	212-61
D102a	10D-1		GE-504A	PTC201	HEPR0052	RE 49	SK3030	RT-213	ECG116	1N4004	WEP156	212-61
D102b	EQB01-09		GEZD-5.1		HEPZ0406		SK3056	RT-235		1N4733A	WEP1103	
D201	1N60		1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109	1N60	WEP134	ZEN-430
D202	1N60		1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109	1N60	WEP134	ZEN-430
D203	1S2075K		GE-300	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177		WEP1062	
D204	1N60		1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109		WEP134	
D205	WG713		GE-300	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177		WEP1062	
D206	HV-23		GE-300	PTC201		RE 250			ECG601			
D207	HV-23			PTC301		RE 250			ECG601			
D301	10D-1		GE-300	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177		WEP1062	
D303	10D-1		GE-300	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177	1N60	WEP1062	ZEN-430
D401	1N60		1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109		WEP134	
DM1	10D-1		GE-300	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177		WEP1062	
DM3	10D-1		GE-300	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177		WEP1062	
DM4	1S2075K		GE-300	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177		WEP1062	
Q101	2SC1856		GE-81	PTC121	HEPS0010	RE 10	SK3018	RT-107A	ECG108		WEP56	ZEN-104
Q102	2SC710		GE-211*	PTC132	2SC710	RE 13*	SK3018*	RT-308*	ECG123A*	2SC710	WEP710	ZEN-114
	2SC710C		GE-211*	PTC132	2SC710	RE 13*	SK3018*	RT-308*	ECG123A*	2SC710	WEP710	ZEN-114
Q201	2SC711		GE-211*	PTC132	2SC710	RE 13*	SK3018*	RT-308*	ECG123A*	2SC710	WEP710	ZEN-114
	2SC711E		GE-211*	PTC132	2SC710	RE 13*	SK3018*	RT-308*	ECG123A*	2SC710	WEP710	ZEN-114
Q202	2SC711		GE-211*	PTC132	2SC710	RE 13*	SK3018*	RT-308*	ECG123A*	2SC710	WEP710	ZEN-114
	2SC711E		GE-211*	PTC132	2SC710	RE 13*	SK3018*	RT-308*	ECG123A*	2SC710	WEP710	ZEN-114
Q203	2SC711		GE-211*	PTC132	2SC710	RE 13*	SK3018*	RT-308*	ECG123A*	2SC710	WEP710	ZEN-114
	2SC711D		GE-211*	PTC132	2SC710	RE 13*	SK3018*	RT-308*	ECG123A*	2SC710	WEP710	ZEN-114
	2SC710D		GE-62*	PTC121	2SC711	RE 192*	SK3124*	RT-302*	ECG199*	2SC711	WEP66*	ZEN-116
Q204	2SA695		GE-48	PTC144*	HEPS3012*	RE 18*	SK3025*	RT-115*	ECG129*		WEP60*	
	2SA695D		GE-48	PTC144*	HEPS3012*	RE 18*	SK3025*	RT-115*	ECG129*		WEP60*	
Q205	2SC620		GE-20*	PTC125*	2SC620	RE 13*	SK3020*	RT-107A*	ECG123A*	2SC620	WEP736*	ZEN-127
	2SC620D		GE-20*	PTC125*	2SC620	RE 13*	SK3020*	RT-107A*	ECG123A*	2SC620	WEP736*	ZEN-127
Q206	2SC945L		GE-212	PTC121*	2SC945	RE 192	SK3124	RT-107A	ECG199	2SC945	WEP1945	121-Z9000
	2SC945Q		GE-212	PTC121*	2SC945	RE 192	SK3124	RT-107A	ECG199	2SC945	WEP1945	121-Z9000
Q207	2SC945		GE-212	PTC121*	2SC945	RE 192	SK3124	RT-107A	ECG199	2SC945	WEP1945	121-Z9000
	2SC945Q		GE-212	PTC121*	2SC945	RE 192	SK3124	RT-107A	ECG199	2SC945	WEP1945	121-Z9000
Q301	2SB561B		GE-82	HEPS0019		RE 26	SK3114	RT-126A	ECG159		WEP740	
Q302	2SC711		GE-62*	PTC121	2SC711	RE 192*	SK3124*	RT-302*	ECG199*	2SC711	WEP66*	ZEN-116
	2SC711E		GE-62*	PTC121	2SC711	RE 192*	SK3124*	RT-302*	ECG199*	2SC711	WEP66*	ZEN-116
Q303	AN315								ECG1240			
Q401	2SC1908E		GE-20*	PTC136*	HEPS0015*	RE 9*	SK3124*	RT-107A*	ECG107*	2SC380*	WEP535*	
Q402	2SC1728		GE-275			RE 204		RT-310	ECG302		WEP918	
Q403	2SC756A	(12)	GE-46	PTC158		RE 206		RT-306F	ECG282		WEP909	

\* Lead configuration may vary from original.  
(12) 10 WATTS @ 4 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
C107	10 16V		WBR10-25	TT15X10	QE1-177	TVA-1145
C114A	220 16V		WBR250-16	TT15X260A	QE1-495	TVA-1161
C206	.33 50V			TDC334M050EL	QDT1-14	SD50-R339
C208	1 50V		WBR1-50	TT50X1	QE1-11	TVA-1300
C211	47 10V		WBR50-25	TT10X50A	QE1-351	TVA-1150
C301	1 50V		WBR1-50	TT50X1	QE1-11	TVA-1300
C302	22 10V		WBR25-25	TT10X25	QE1-291	TVA-1148
C304	1 50V		WBR1-50	TT50X1	QE1-11	TVA-1300
C305	.22 25V			TDC224M050EL	QDT1-10	SD50-R229
C306	1 50V		WBR1-50	TT50X1	QE1-11	TVA-1300
C307	47 10V		WBR50-25	TT10X50A	QE1-351	TVA-1150
C312	47 10V		WBR50-25	TT10X50A	QE1-351	TVA-1150
C316	1000 16V		WBR1000-16	TT15X1000B	QE1-591	TVA-1163
C318	47 10V		WBR50-25	TT10X50A	QE1-351	TVA-1150
C319	10 16V		WBR10-25	TT15X10	QE1-177	TVA-1145
C320	47 10V		WBR50-25	TT10X50A	QE1-351	TVA-1150
C323	1 25V		WBR1-50	TT25X1	QE1-11	TVA-1300
C324	47 10V		WBR50-25	TT10X50A	QE1-351	TVA-1150
CM4	1000 16V		PC1000-16	VTT1000L16	QV1-183	EV-1260
CM7	220 16V		PC250-25	VTT220H16	QV1-117	EV-1240
CM8	220 16V		PC250-25	VTT220H16	QV1-117	EV-1240
CM13	47 16V		PC50-16	VTT47D16	QV1-73	EV-1226

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	82 N750		DTN-220	N220	CN7482		10TCU-Q82	
C102	220 N750				CN7322		10TCU-T22	
C103	22 N220				*		10TCR-Q22	
C104	.022		DC-253	MGP025	TA125		TG-S25	
C105	.022		DC-253	MGP025	TA125		TG-S25	
C106	.022		DC-253	MGP025	TA125		TG-S25	
C108	.022		DC-253	MGP025	TA125		TG-S25	
C109	22 N220				*		10TCR-Q22	
C110	.022		DC-253	MGP025	TA125		TG-S25	
C111	.022		DC-253	MGP025	TA125		TG-S25	
C112	.022		DC-253	MGP025	TA125		TG-S25	
C113	.001		DD-102G	GP1000	GP210		QC2-81	5GA-D10

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
C114B	33 N220				*		10TCR-Q33
C115	.022		DC-253	MGP025	TA125		TG-S25
C201	.022		DC-253	MGP025	TA125		TG-S25
C202	220 N750		DTN-220	N220	CN7322		10TCU-T22
C203	.039		UK50-333		MAG50133		
C204	.022		DC-253	MGP025	TA125		TG-S25
C205	.001		DD-102G	GP1000	GP210	QC2-81	5GA-D10
C207	.01			WMF1S1	EWF1A110	QF1-91	1PB-S10
C209	.039		UK50-333		MAG50133		
C210	.022		DC-253	MGP025	TA125		TG-S25
C212	.039		UK50-333		MAG50133		
C303	.022		DC-253	MGP025	TA125		TG-S25
C308	.01			WMF1S1	EWF1A110	QF1-91	1PB-S10
C310	.039			DPMSG539	PVC6139		6PS-S39
C314	.001		DD-102G	GP1000	GP210	QC2-81	5GA-D10
C321	.001		DD-102G	GP1000	GP210	QC2-81	5GA-D10
C322	.001		DD-102G	GP1000	GP210	QC2-81	5GA-D10
C401	.022		DC-253	MGP025	TA125		TG-S25
C402	.022		DC-253	MGP025	TA125		TG-S25
C403	68 N220				*		10TCR-Q68
C404	.022		DC-253	MGP025	TA125		TG-S25
C405	39 N220				*		10TCR-Q39
C406	.022		DC-253	MGP025	TA125		TG-S25
C407	.022		DC-253	MGP025	TA125		TG-S25
C408	.001		DD-102G	GP1000	GP210	QC2-81	5GA-D10
C409	82 N220				*		10TCR-Q82
C410	22 N220				*		10TCR-Q22
C411	220 N750		DTN-220	N220	CN7322		10TCU-T22
C412	100 N470				*		10TCT-T100
C413	220 N750		DTN-220	N220	CN7322		10TCU-T22
C414	39 N220				*		10TCR-Q39
C415	2 NPO		DTZ-2R2	NPO2P2	CN0522		10TCC-V22
C416	120 N750		DTN-120				10TCU-T12
C417	.022		DC-253	MGP025	TA125		TG-S25
C418	.022		DC-253	MGP025	TA125		TG-S25
C419	10 NPO		DTZ-10	NPO10	CN0410		10TCC-Q10
CM1	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
CM2	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
CM5	.039		UK50-333		MAG50133		10TS-T56
CM6	560		DD-561		GP356		
CM9	.039		UK50-333		MAG50133		
CM10	.039		UK50-333		MAG50133		
CM11	.039		UK50-333		MAG50133		
CM12	.039		UK50-333		MAG50133		
CM15	560		DD-561		GP356		10TS-T56
CM16	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
CM17	8 NPO		DTZ-6R8	NPO6P8	CN0568		10TCC-V68
CM18	560		DD-561		GP356		10TS-T56
CM29	120 NPO		DTZ-120		CN0312		10TCC-T12
CM31	.039		UK50-333		MAG50133		
CM32	32		DTZ-33	NPO33	CN0433		10TCC-Q33
CM33	.022		DC-253	MGP025	TA125		TG-S25
CM34	.001		DD-102G	GP1000	GP210	QC2-81	5GA-D10
CM36	560		DD-561		GP356		10TS-T56
CM37	560		DD-561		GP356		10TS-T56
CM38	.001		DD-102G	GP1000	GP210	QC2-81	5GA-D10
CM39	.001		DD-102G	GP1000	GP210	QC2-81	5GA-D10
CM40	.001		DD-102G	GP1000	GP210	QC2-81	5GA-D10
CM41	.001		DD-102G	GP1000	GP210	QC2-81	5GA-D10

## PARTS LIST AND DESCRIPTION (CONTINUED)

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

### 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.
THM1	550 Cold NTC		TD5-165				

### COILS (RF-IF)

ITEM No.	FUNCTION	REPLACEMENT DATA			REMARKS
		PART No.	OTHER IDENTIFICATION	MILLER PART No.	
L101 L301 L401 L402 L403 L404 T101 T102 T201 T401 T402	RF Choke RF Choke RF Choke RF Choke Final(27MHz) Pi Filter(27MHz) Rec Antenna(27MHz) Rec RF(27MHz) IF(455kHz) Xmt Amp(27MHz) Xmt Driver(27MHz)		ETC15089 ETC15061 ETC15090	CBS774 CBS708-TC CBS506-4TC	

### 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.	
TM1 TM2	1.4A 1.4A	.1 .1	1.45mH 1.45mH	1002(1) 1002(1)	TR509 TR509		(1) Number on Unit

### TRANSFORMER (Audio Output)

ITEM No.	IMPEDANCE		REPLACEMENT DATA			NOTES
	PRI.	SEC.	MFGR. PART No.	THORDARSON PART No.	TRIAD PART No.	
T301	3.92	1 8 20.48	62017(1)	TR827		(1) Number on Unit

### SPEAKER

ITEM No.	TYPE	REPLACEMENT DATA		NOTES
		MFGR. PART No.	QUAM PART No.	
SP	3" PM. 8 Ohms		30A05Z8R	

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

ITEM No.	DESCRIPTION	REPLACEMENT DATA						
		PART No.		BUSS PART No.		LITTELFUSE PART No.		WORKMAN PART No.
		DEVICE	HOLDER	DEVICE	HOLDER	DEVICE	HOLDER	DEVICE
M16	2 Amps			AGC2	HDJ	312002	150145	FG2-2

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	NC	NC	2

ITEM No.	PART NAME	PART No.	NOTES
F101	Ceramic Filter		10.7MHz
F201	Ceramic Filter		455kHz
F202	Ceramic Filter		455kHz
LED P1	LED		TX Indicator
M1	Meter		S/R
M3	Ferrite Bead		
M4	Ferrite Bead		
M5	Lamp		Channel Indicator(45mA @ 13.78V)
M6	Jack		Power
M7	Jack		Antenna
M8	Jack		Microphone
M9	Jack		PA
M10	Jack		External Speaker
M11	Ferrite Bead		
M13	Ferrite Bead		
M14	Ferrite Bead		
M15	Lamp		Meter(29mA @ 10.13V)
PLM1	Relay		XT/REC
SM1	Switch		Power(Part of Volume Control)
SM2	Switch		CB/PA
SM3	Switch		ANL
SM4	Switch		Channel Selector

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')

