



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 1-606

ALIGNMENT INSTRUCTIONS

Suggested Alignment Tools:

GC ELECTRONICS

L6, L7, L8.....5000, 8290

ALL other tunable coils and transformers.....9440

ROYCE MODEL 1-606

RECEIVER

Connect an AC VTVM or AF Wattmeter across speaker voice coil.
Adjustments made with 14-volt DC input.
Adjust volume control to obtain suitable reading.

SIGNAL GENERATOR	GEN FREQ	CHANNEL	ADJUST	REMARKS
High side thru .01uF to base of Q4, low side to ground.	455kHz, 1000Hz @ 30% modulation	Any	L6, L7, L8	Set generator for .5V output across speaker voice coil. Adjust for maximum.
High side thru .01uF to Antenna Jack, low side to ground.	27.115MHz, 1000Hz @ 30% modulation, output 2uV	13	L1,L2,L3, L5,L9	Noise Blanker off. Delta Tune to center position. Adjust for maximum.

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

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6CY296

RECEIVER ADJUSTMENTS

Connect an AC VTVM or AF Wattmeter across speaker voice coil.
These adjustments made with 14-volt DC input.
Adjust volume control to obtain a suitable reading.

SIGNAL GENERATOR	GEN FREQ	CHANNEL	ADJUST	REMARKS
SQUELCH RANGE High side thru .01uF to Antenna Jack, low side to ground.	27.115MHz, 1000Hz @ 30% modulation, output 500uV.	13	VR4	Set squelch control fully clockwise. Adjust so that squelch just breaks.
"S" METER High side thru .01uF to Antenna Jack, low side to ground.	27.115MHz 1000Hz @ 30% modulation, output 100uV.	13	VR5	Adjust for "S" 9 reading on panel meter.
DELTA TUNE Frequency Counter		13	L10	Connect counter to Emitter of Q9. Adjust for MINIMUM frequency deviation. Frequency deviation should be +1.5 to 2.5kHz from maximum clockwise to maximum counterclockwise.

TRANSMITTER

Connect an RF Wattmeter or 50-ohm, 25-watt dummy load to antenna connector.
Adjustments made with 14-volt DC input.

INDICATOR	ADJUST	REMARKS
OSCILLATOR, MIXER, BUFFER, DRIVER, FINAL RF Wattmeter	L12,L13, L14,L15	Channel selector to Ch. 13. Key transmitter. Adjust for maximum.
TVI TRAP TV (Ch. 2)	L22	Key transmitter. Adjust for MINIMUM interference on TV.
FINAL INPUT POWER Remove jumper at TP and connect 0-1000DC milliammeter.	L21, L16	Adjust for 5 watts (maximum).
FREQUENCY Frequency Counter	Ck all channels	Check frequencies, must be $\pm .005\%$

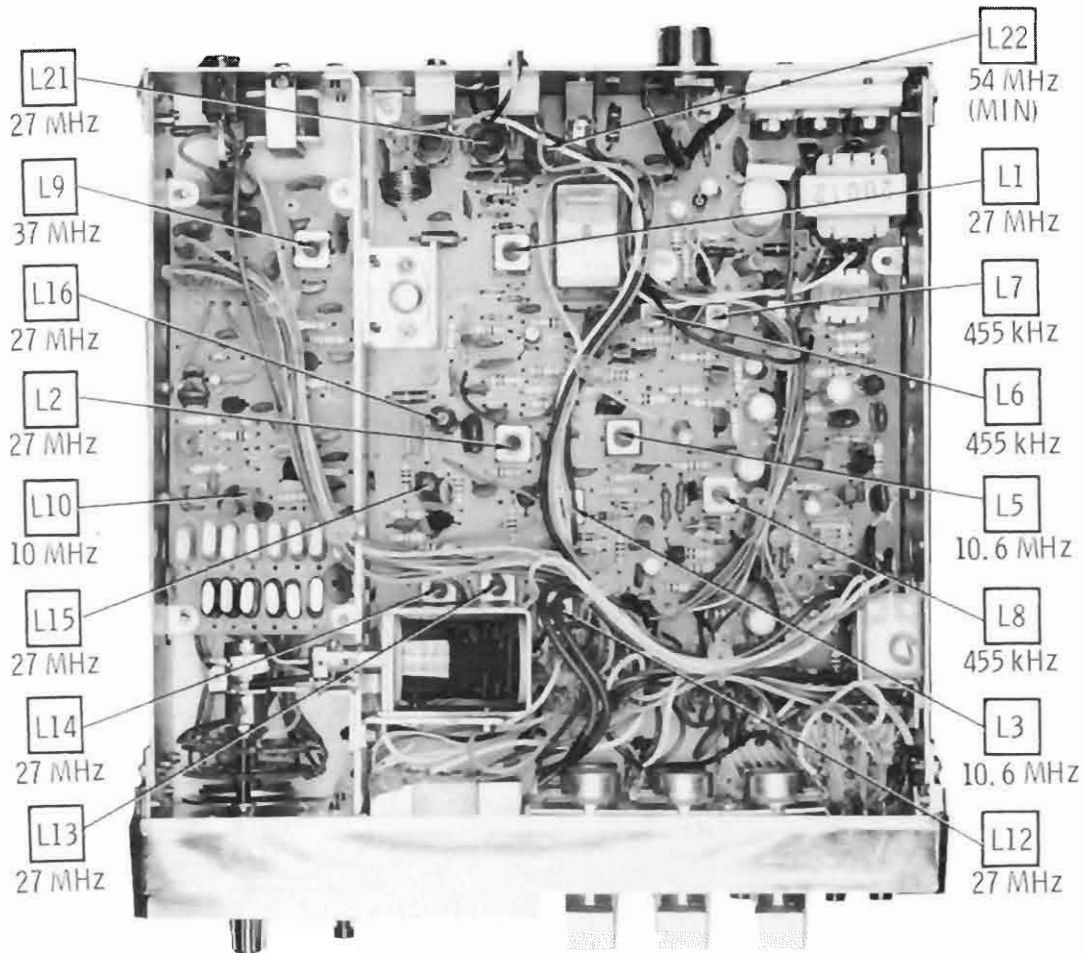
TRANSMITTER ADJUSTMENTS

Connect an RF Wattmeter or 50-ohm, 25-watt dummy load to antenna connector.
Adjustments made with 14-volt DC input.

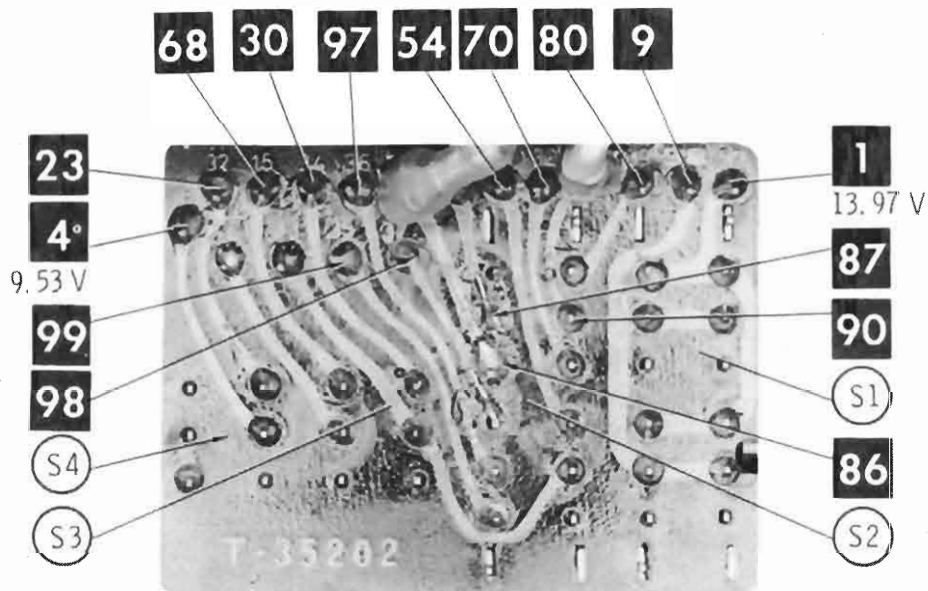
INDICATOR	ADJUST	REMARKS
AMC Modulation Meter connected to Antenna Jack	VR7	Inject a 1000Hz 13mV audio signal at mic input. Key transmitter. Adjust for 100% modulation maximum.
RF PANEL METER RF Wattmeter	VR9	Key transmitter. Adjust so that panel RF Meter indicates at start of red scale.
WPC LAMP	VR10	Inject a 1kHz 50mV signal to microphone input. Disconnect antenna lamp should function on all channels. Connect a 150 ohm, 5W, non-inductive load resistor across antenn jack, lamp should not light on any channel.

CHASSIS - BOTTOM

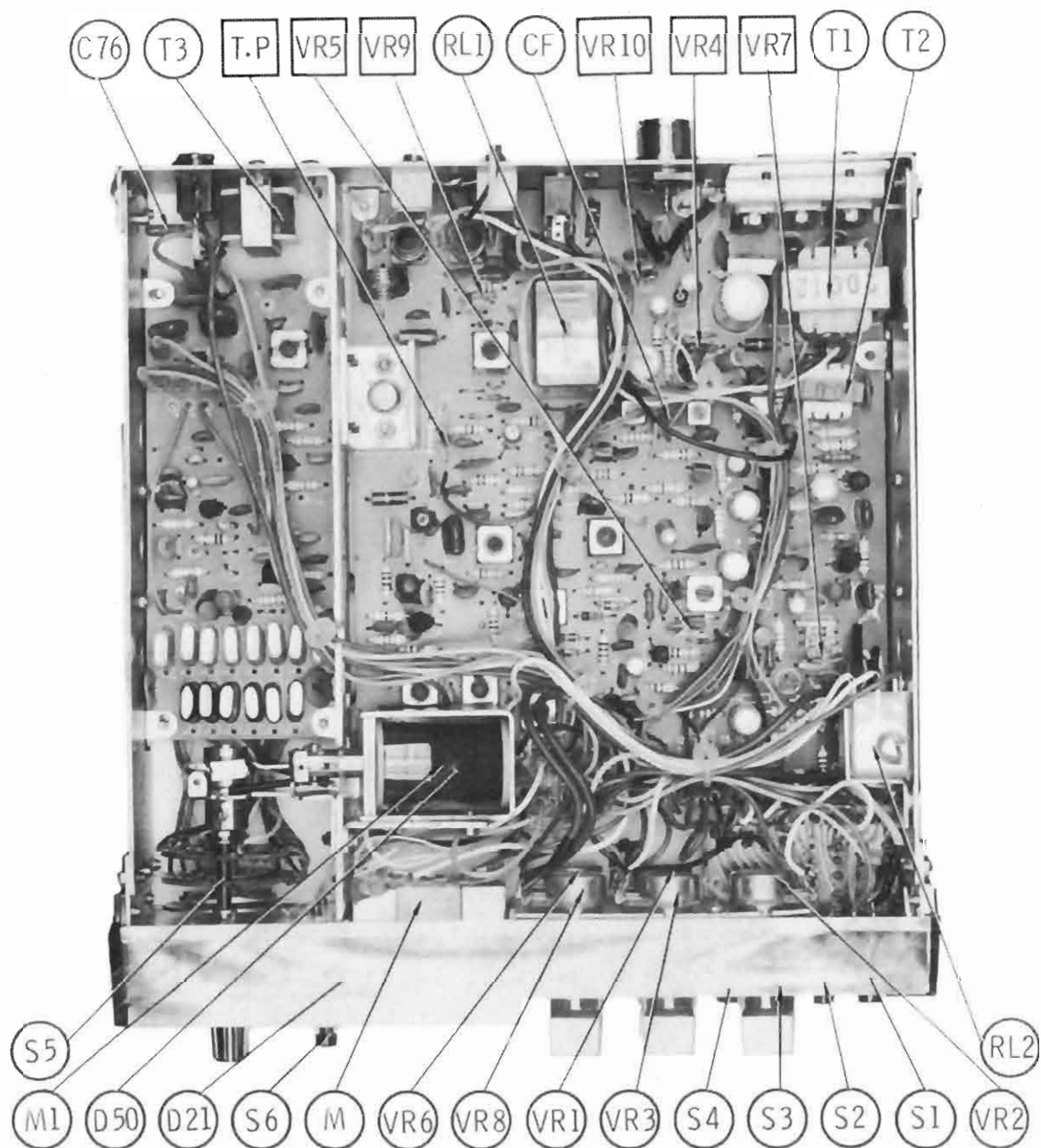
ROYCE MODEL 1-606



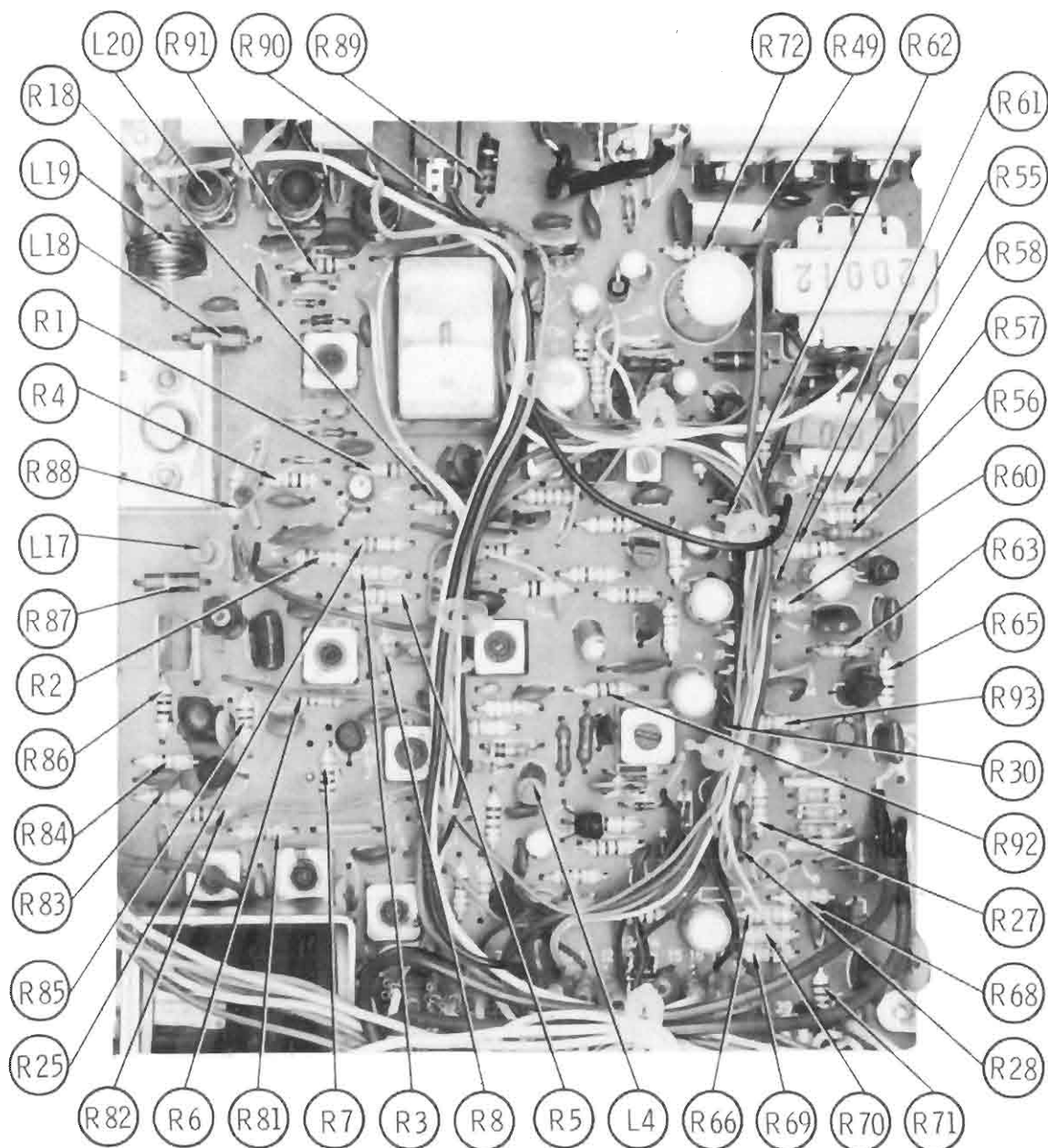
A Howard W. Sams **CIRCUITRACE** Photo



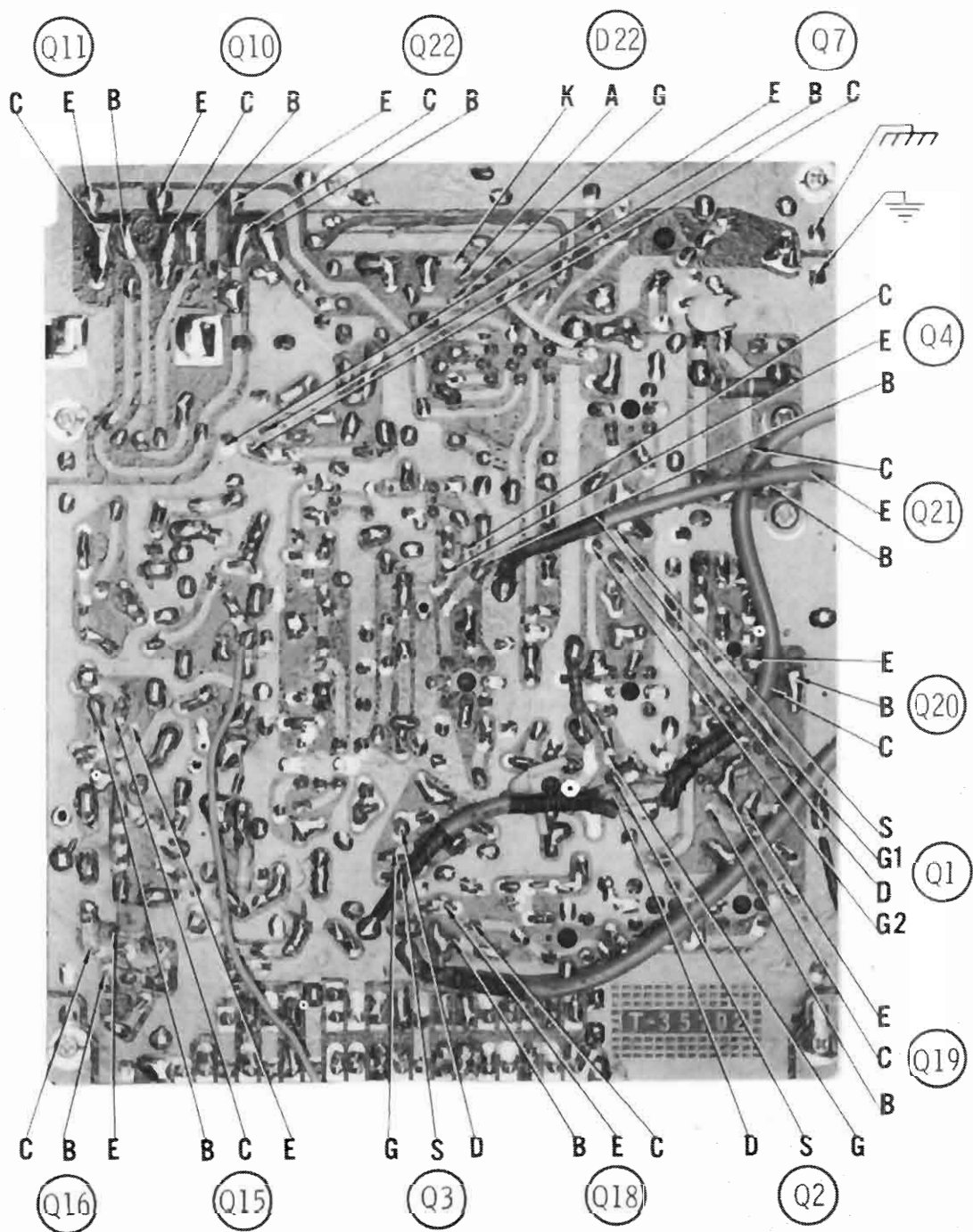
SWITCH BOARD



CHASSIS-BOTTOM



MAIN BOARD

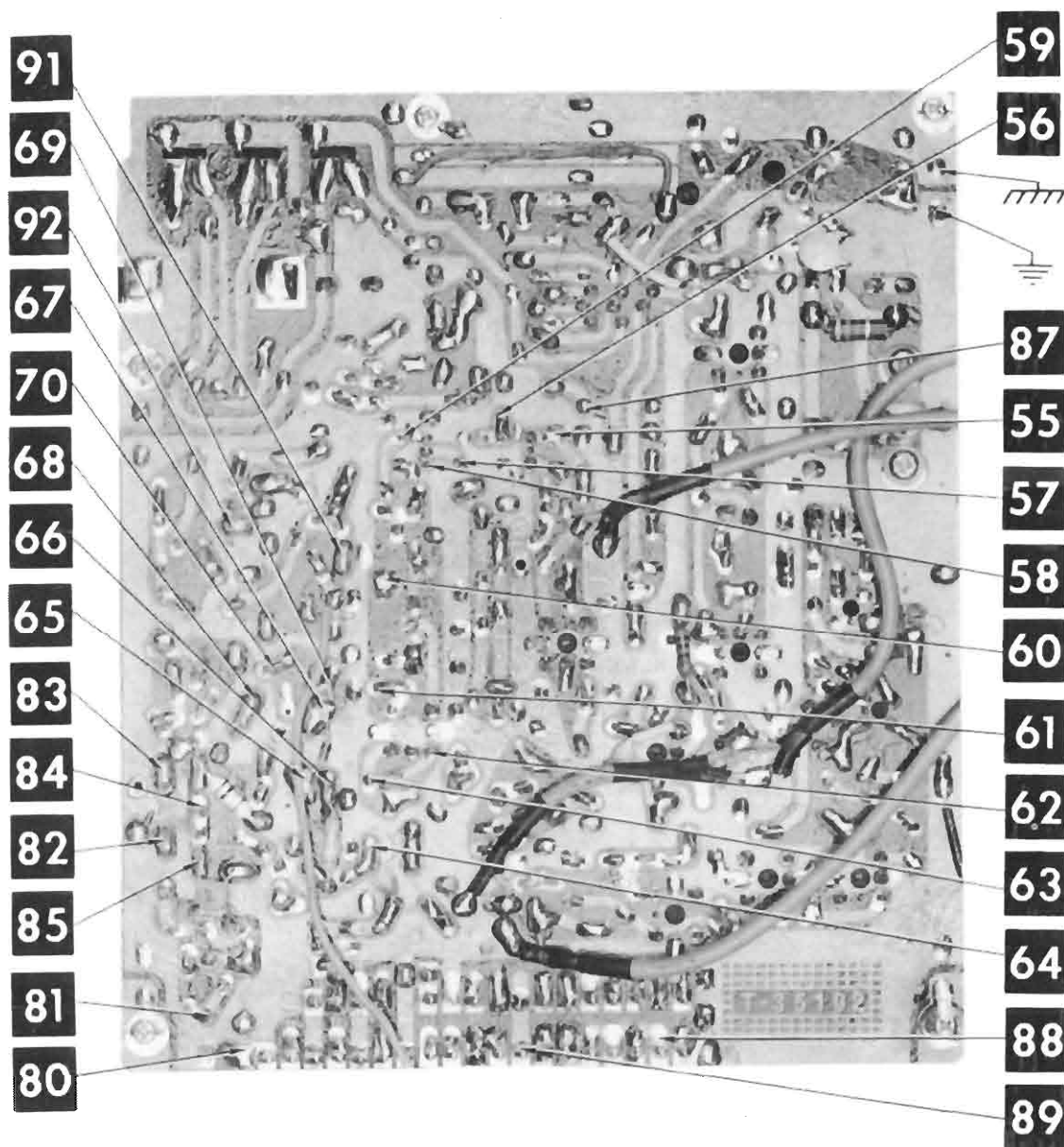


MAIN BOARD

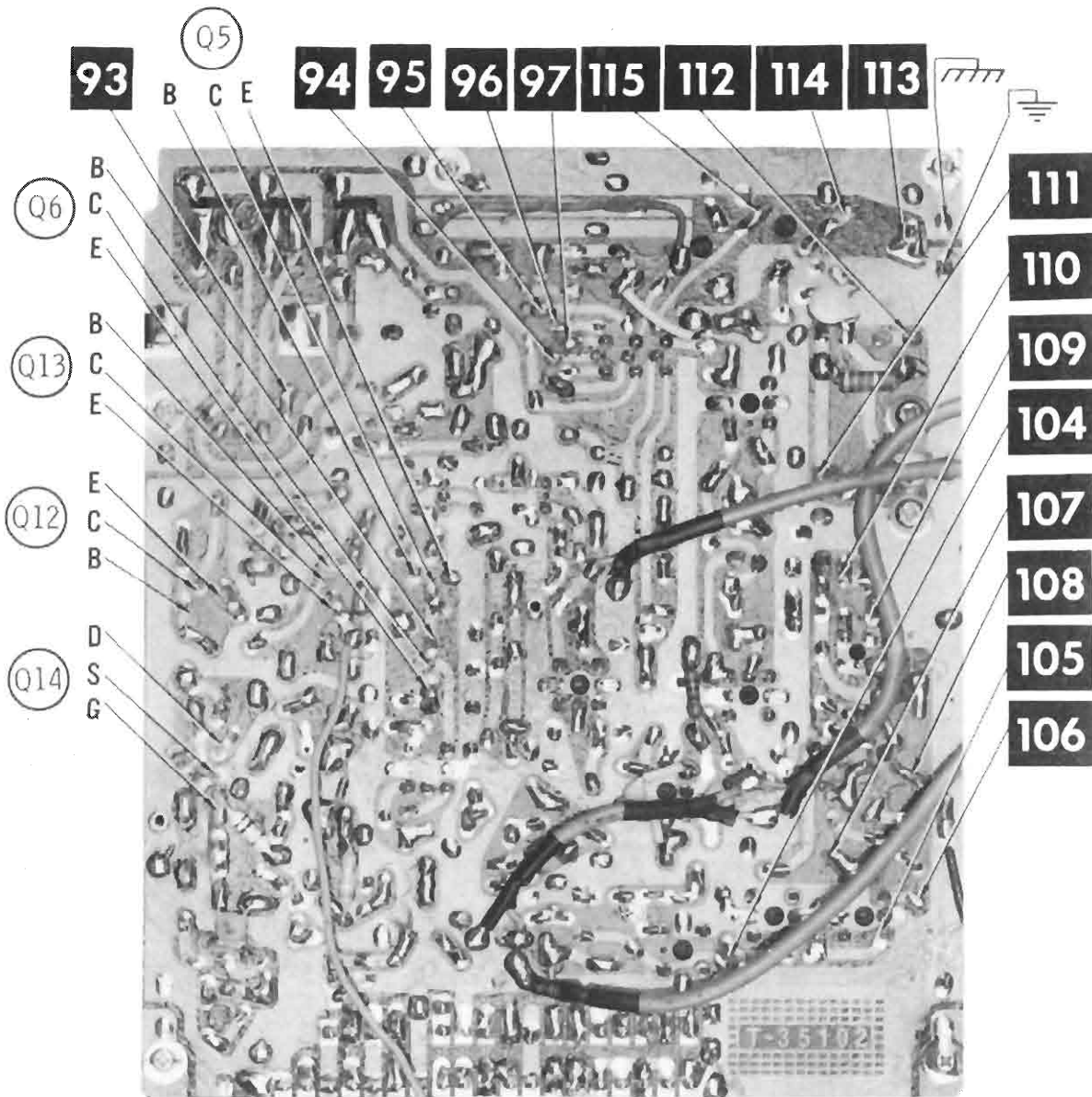


ROYCE MODEL 1-606

MAIN BOARD

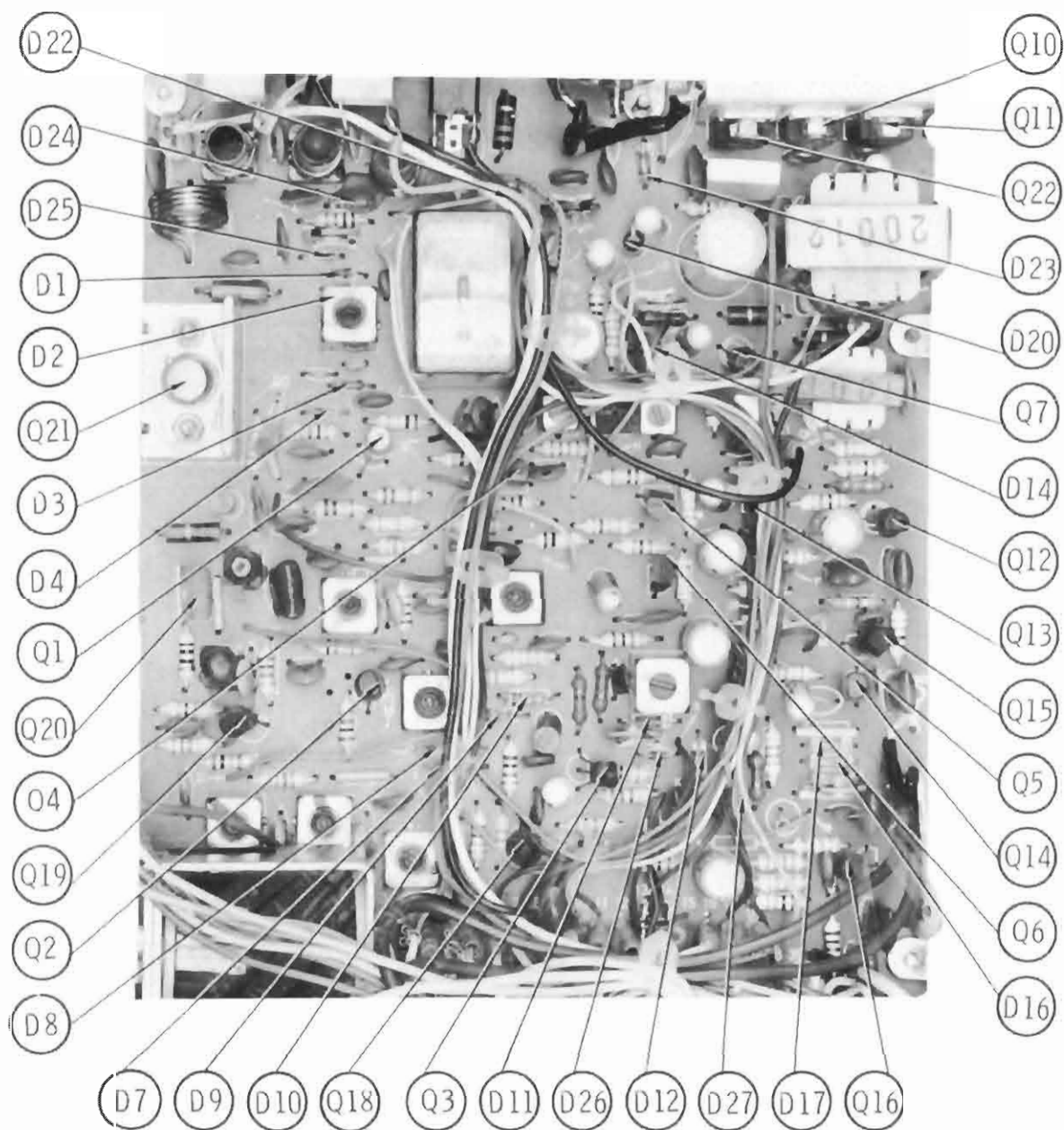


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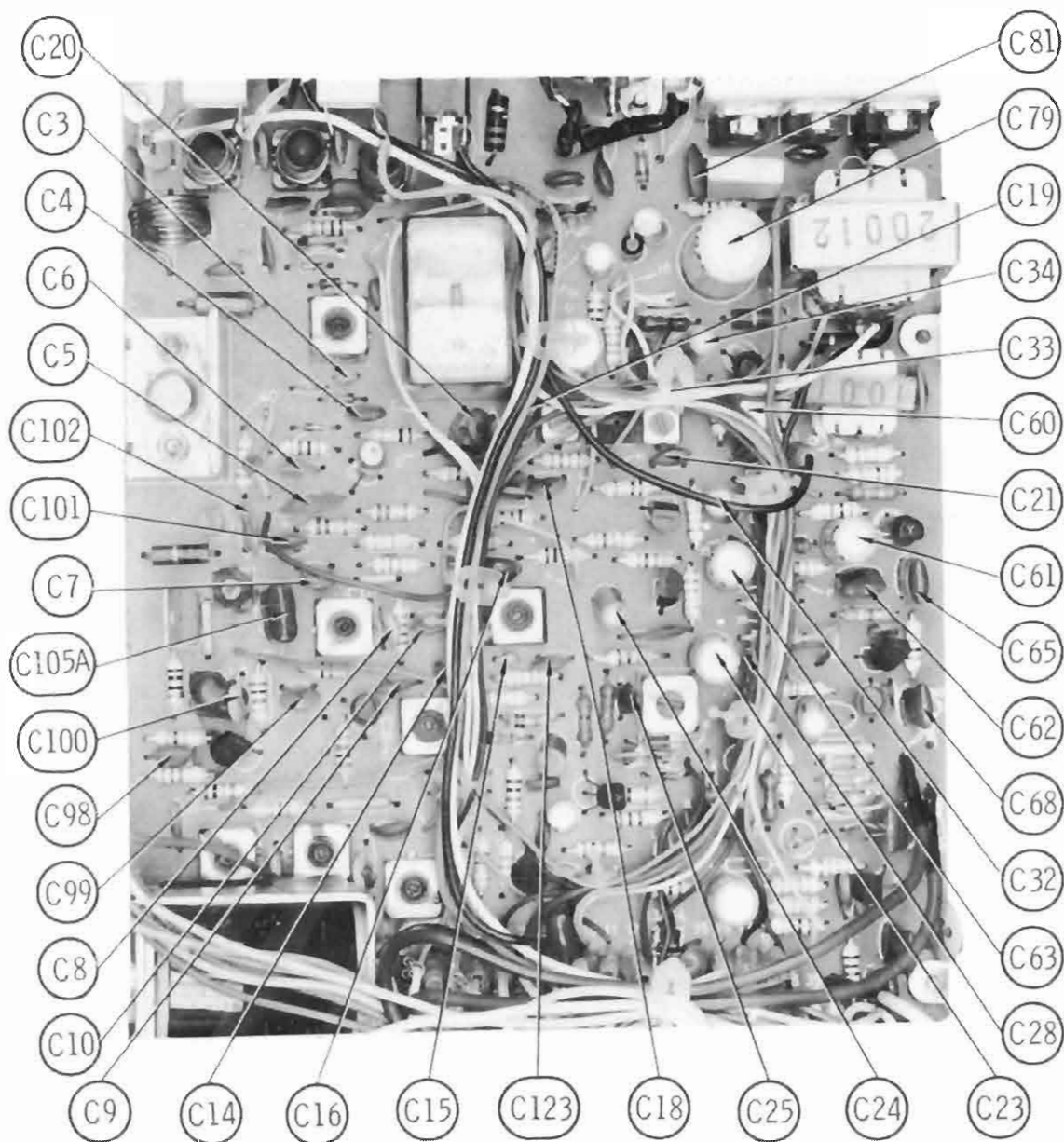


ROYCE MODEL 1-606

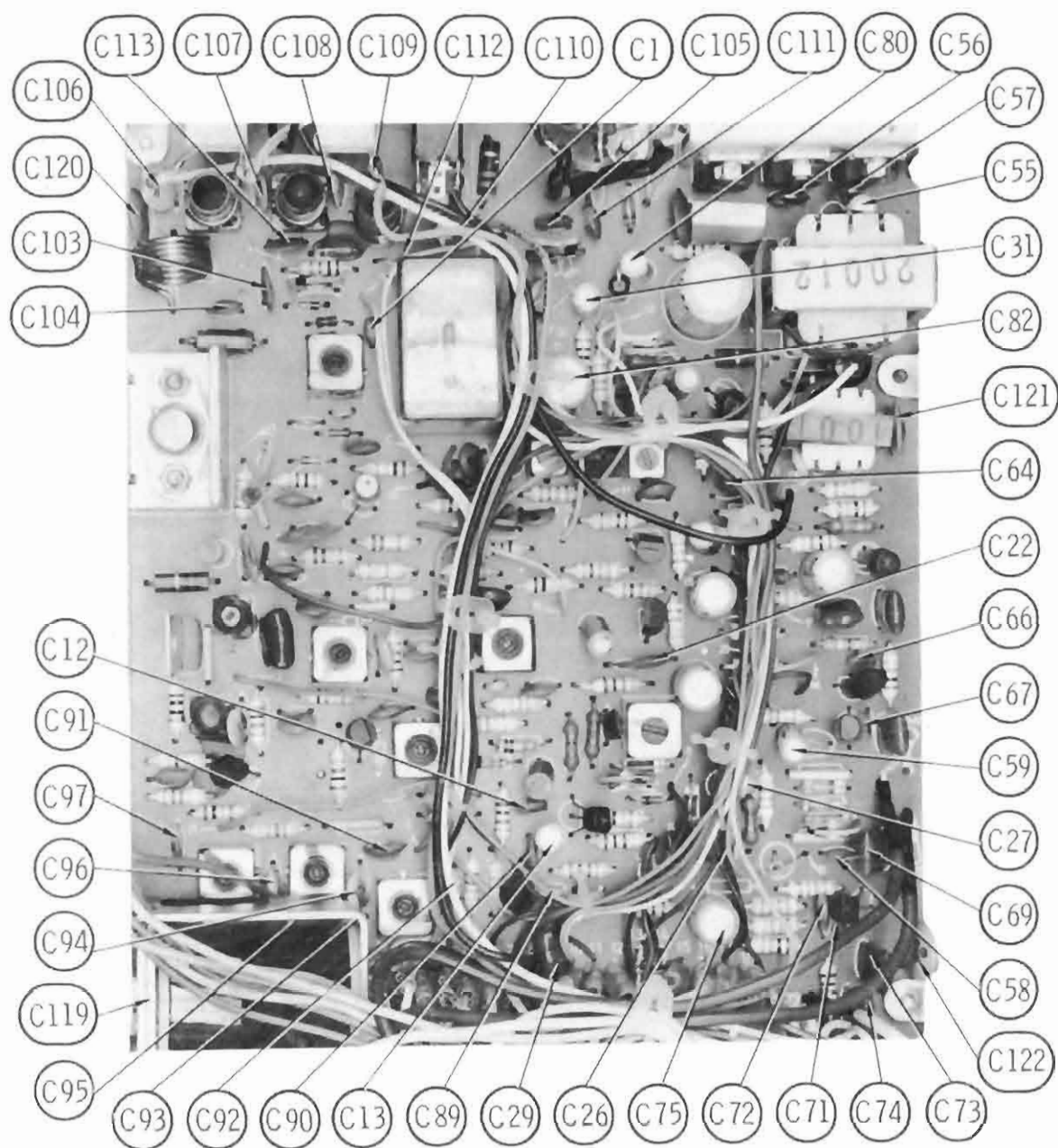
MAIN BOARD



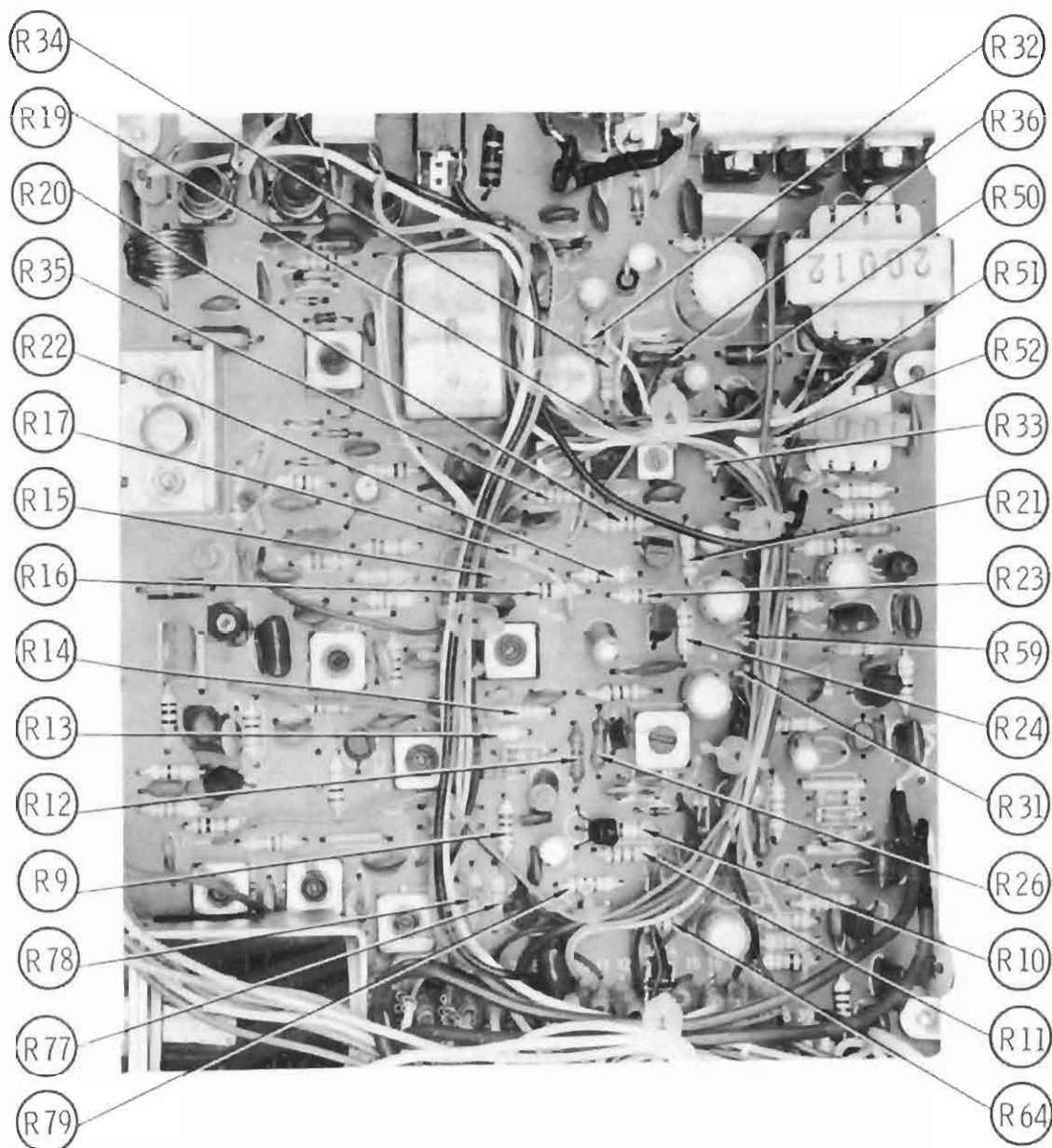
MAIN BOARD



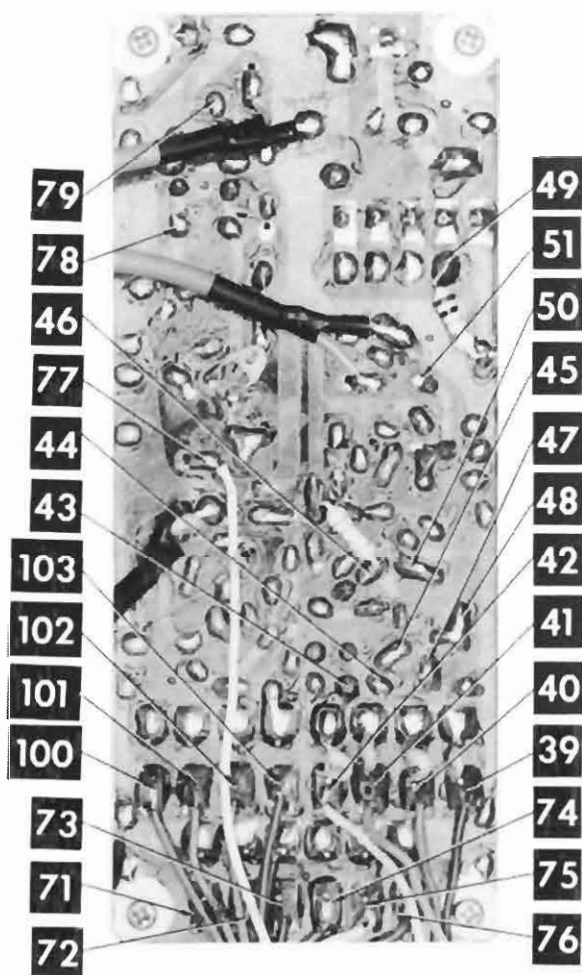
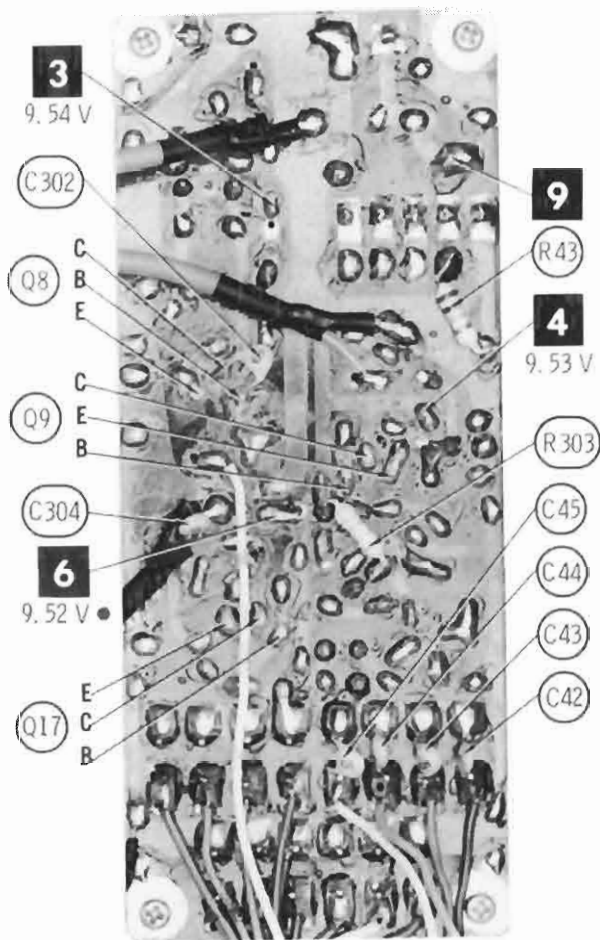
MAIN BOARD



MAIN BOARD

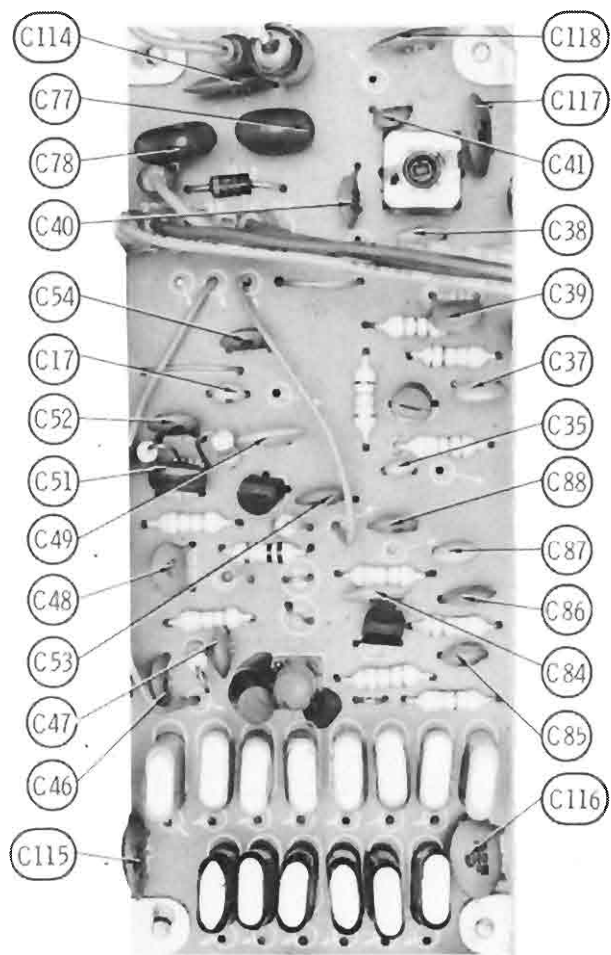
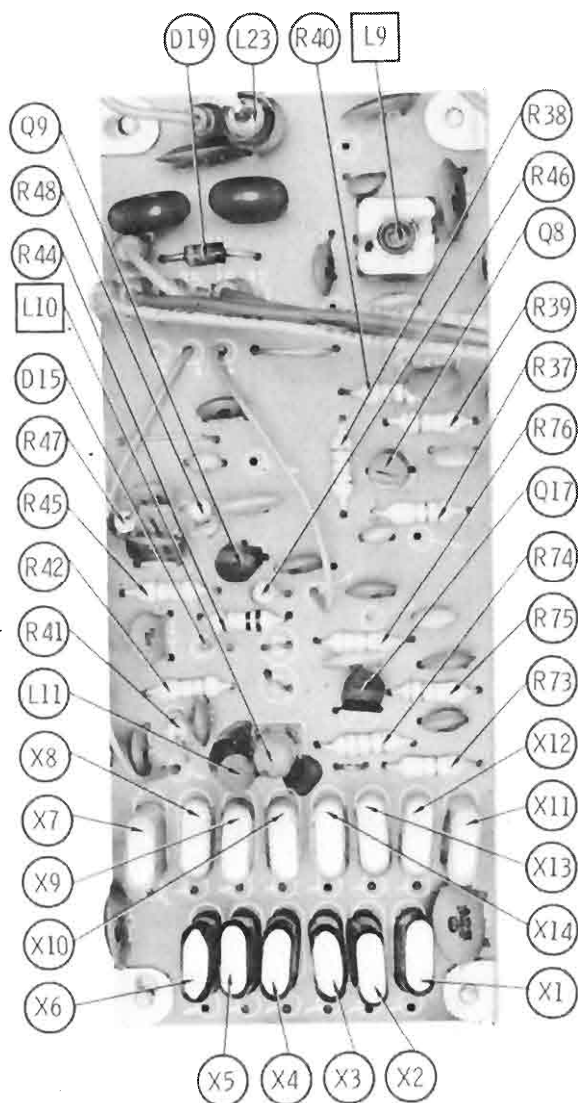


MAIN BOARD

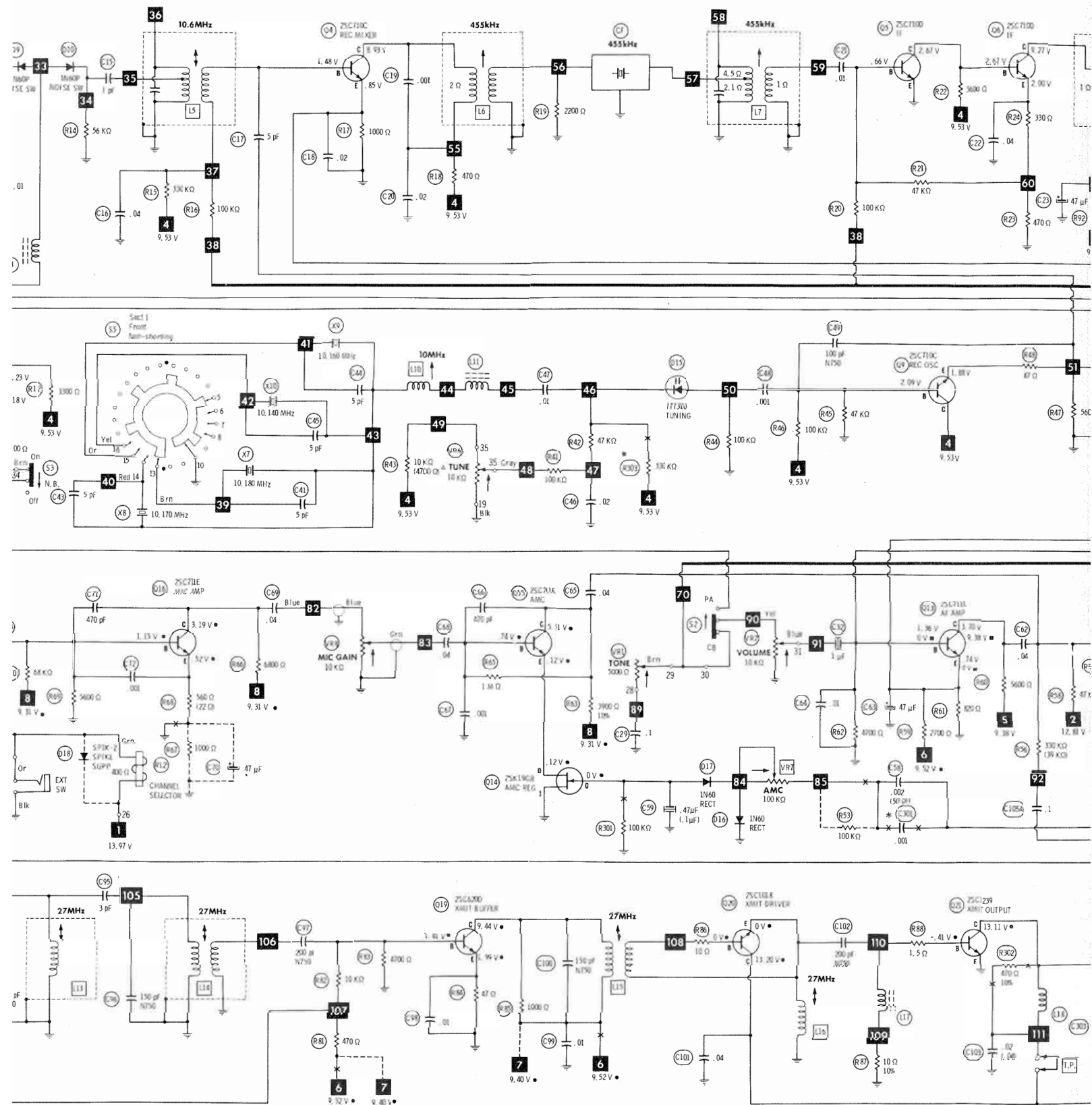


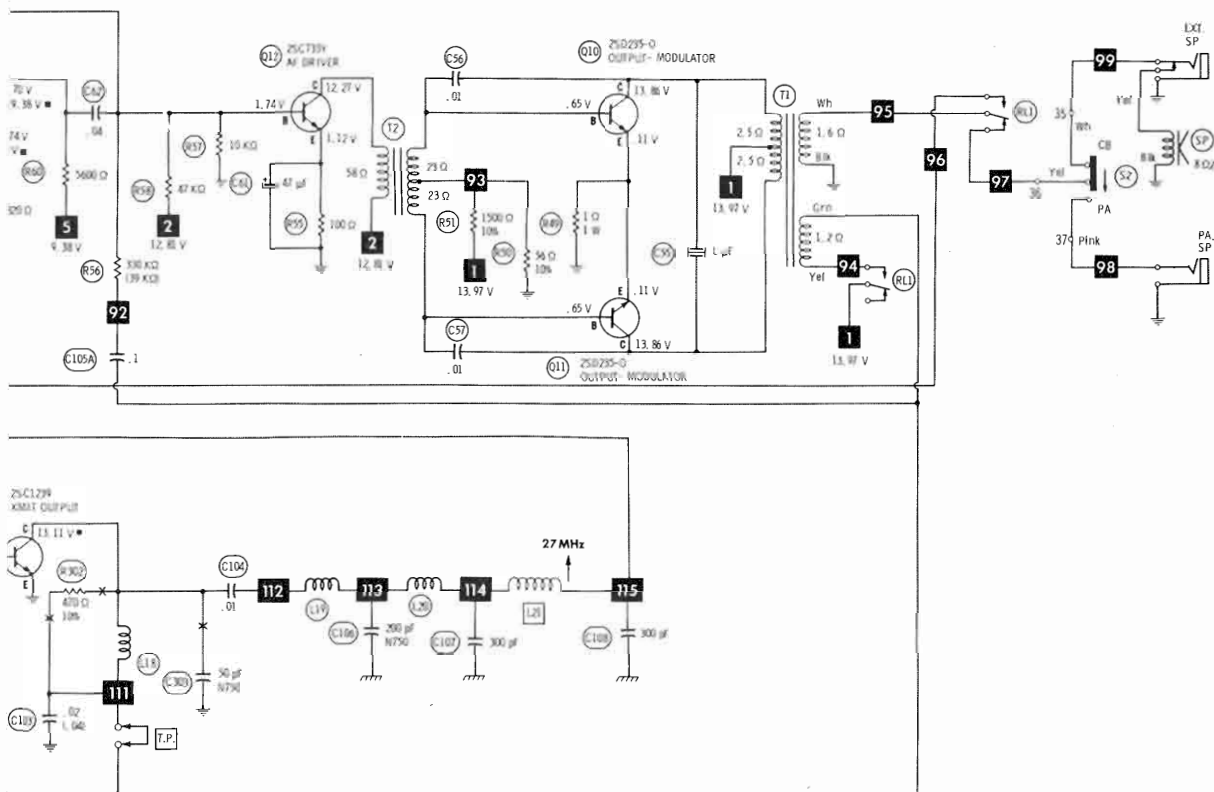
● XMIT

SYNTHESIZER BOARD



SYNTHESIZER BOARD





PARTS LIST AND DESCRIPTION

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

PARTS LIST

(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.	INTERNATIONAL RECTIFIER PART No.	MALLORY PART No.	MOTOROLA PART No.	RAYTHEON PART No.	RCA PART No.	SPRAGUE PART No.	SYLVANIA PART No.
D1	1S1588		GE-300	D200	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177
D2	1S1588		GE-300	D200	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177
D3	1S1588		GE-300	D200	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177
D4	WG1014A		GE-300	D200	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177
D7	1N60P		1N60	1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109
D8	1N60P		1N60	1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109
D9	1N60P		1N60	1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109
D10	1N60P		1N60	1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109
D11	1N60		1N60	1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109
D12	1N60		1N60	1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109
D13	MC301		GE-300	D200	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177
D14	1N60		1N60	1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109
D15	WG1010A(1)		GE-300	D200	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177
D16	ITT310									
D17	1N60		1N60	1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109
D18	SRIK-2		GE-504A	8D4	PTC201	HEPR0052	RE 49	SK3030	RT-213	ECG116
D19	1N4002		GE-504A	8D4	PTC201	HEPR0052	RE 49	SK3030	RT-213	ECG116
D20	EQ801-10		GEZD-10	Z1210	PTC506	HEPZ0413	RE 115	SK3061	RT-241	ECG140
D21	TLR102									
D22	SFOR284T									
D23	1N60		1N60	1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109
D24	1N60		1N60	1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109
D25	WG1010A		GE-300	D200	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177
D26	WG1010A		GE-300	D200	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177
D27	1N60P		1N60	1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109
D50	SRIK-2		GE-504A	8D4	PTC201	HEPR0052	RE 49	SK3030	RT-213	ECG116
Q1	3SK35BL		GE-FET-4		PTC181	HEPF2004	RE 65	SK3050	RT-181	ECG222
Q2	2SK19GR		GE-FET-2	FE-100	PTC152	HEPF0021	RE 45	SK3116	RT-175	ECG132
Q3	2SK30A-Y		GE-FET-1	FE-100	PTC151	HEPF0010	RE 46	SK3112	RT-176	ECG133
Q4	2SC710C		GE-20	TR-24	PTC121	HEPS0015	RE 13	SK3018	RT-105	ECG123A
Q5	2SC710D		GE-20	TR-24	PTC121	HEPS0015	RE 13	SK3018	RT-105	ECG123A
Q6	2SC710D		GE-20	TR-24	PTC121	HEPS0015	RE 13	SK3018	RT-105	ECG123A
Q7	2SC735Y		GE-20	TR-21	PTC123	HEPS0015	RE 13	SK3122	RT-172	ECG289
Q8	2SC710B		GE-20	TR-24	PTC121	HEPS0015	RE 13	SK3018	RT-105	ECG123A
Q9	2SC710C		GE-20	TR-24	PTC121	HEPS0015	RE 13	SK3018	RT-105	ECG123A
Q10	2SD235-0		GE-66	TR-92	PTC110		RE 21	SK3054	RT-154	ECG152
Q11	2SD235-0		GE-66	TR-92	PTC110		RE 21	SK3054	RT-154	ECG152
Q12	2SC735Y		GE-20	TR-21	PTC123	HEPS0015	RE 13	SK3122	RT-172	ECG289
Q13	2SC711E		GE-62	(1R)2SC372	PTC139	HEPS0024	RE 64	SK3122	RT-107A	ECG199
Q14	2SK19GR		GE-FET-2	FE-100	PTC152	HEPF0021	RE 45	SK3116	RT-175	ECG132
Q15	2SC711E		GE-62	(1R)2SC372	PTC139	HEPS0024	RE 64	SK3122	RT-107A	ECG199
Q16	2SC711E		GE-62	(1R)2SC372	PTC139	HEPS0024	RE 64	SK3122	RT-107A	ECG199
Q17	2SC710B		GE-20	TR-24	PTC121	HEPS0015	RE 13	SK3018	RT-105	ECG123A
Q18	2SC710D		GE-20	TR-24	PTC121	HEPS0015	RE 13	SK3018	RT-105	ECG123A
Q19	2SC620D		GE-20	TR-24	PTC136	HEPS0015	RE 13	SK3122	RT-172	ECG123A
Q20	2SC1018(2)						RE 80			
Q21	2SC1239(3)		GE-46		PTC176					
Q22	2SD234-0		GE-66	TR-76	PTC110		RE 21	SK3054	RT-182	ECG237

(1) Used in some versions.

(2) Rating 4.0 watts @ 1.0 amp.

(3) Rating 12 watts @ 4.0 amp.

CAPACITORS

ITEM No.	RA
C1	.001
C3	30
C4	470
C5	.1
C6	.01
C7	.01
C8	50 N750
C9	.01
C10	.01
C11	5
C12	470
C14	.01
C15	1
C16	.04
C17	5
C18	.02
C19	.001
C20	.02
C21	.01
C22	.04
C25	.02
C26	.001
C28	.01
C29	.1
C35	30
C37	50 N750
C38	50 N750
C39	.01
C40	.01
C41	.001
C42	5
C43	5
C44	5
C45	5
C46	.02
C47	.01
C48	.001
C49	100 N750
C51	100 105
C52	.02
C53	.02
C54	.02
C56	.01
C57	.01
C58	.002
C62	.04
C64	.02
C65	.04
C66	470
C67	.001
C68	.04
C69	.04
C71	470
C72	.001
C73	.04
C74	.04
C76	.04
C77	.1
C78	.1
C81	.04
C83	250
C84	200
C85	470
C86	.01
C87	40
C88	.01
C89	50
C90	.01
C91	.01
C92	150 N750
C93	5
C94	150 N750

ELECTROLYTIC CAPACITORS

ITEM No.	RATING	REPLACEMENT DATA					
		MFR. PART No.	ARCO PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.
C13	10 10V		RME-A-D-010	EP15-10	PC10-25	VTT10A25	EV-1222
C23	47 16V		RME-C-B-050	EP6-50	PC50-10	VTT47A6	EV-1026
C24	1 50V NP		CTA-7425	EN50-105	WNP1-50	TCN501A	TVAN-560
C27	.47 50V NP						
C31	10 16V		RME-B-G-010	EP15-10	PC10-25	VTT10A25	EV-1222
C32	1 50V NP		CTA-7425	EN50-105	WNP1-50	TCN501A	TVAN-560
C33	10 16V		RME-B-G-010	EP15-10	PC10-25	VTT10A25	EV-1222
C34	1 50V NP		CTA-7425	EN50-105	WNP1-50	TCN501A	TVAN-560
C55	1 50V NP		CTA-7425	EN50-105	WNP1-50	TCN501A	TVAN-1560
C59	.47 50V NP						
C60	47 6.3V		RME-C-B-050	EP6-50	PC50-10	VTT47A6	EV-1026
C61	47 6.3V		RME-C-B-050	EP6-50	PC50-10	VTT47A6	EV-1026
C63	47 6.3V		RME-C-B-050	EP6-50	PC50-10	VTT47A6	EV-1026
C75	47 16V		RME-E-E-050	EP15-50	PC50-16	VTT47D16	EV-1226
C79	1000 16V		RME-N-E-1000	EP15-1000	PC1000-16	VTT1000L16	EV-1260
C80	10 16V		RME-B-G-010	EP15-10	PC10-25	VTT10A25	EV-1222
C82	100 16V		RME-E-E-100	EP15-100	PC100-16	VTT100F16	EV-1230

PARTS LIST AND DESCRIPTION (CONTINUED)

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

CAPACITORS

ITEM No.	RATING	MFR. PART No.	REPLACEMENT DATA				
			ARCO PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.
C1	.001		CCD-102	DD-102		GP210	10TS-D10
C3	30		CCTO-300				10TCC-Q30
C4	470		CCD-471	DD-471	GP470	GP347	10TS-T47
C5	.1			DC-104	MGP1	MAG5001	TG-P10
C6	.01		CCD-103				10TS-S10
C7	.01		CCD-103				10TS-S10
C8	50 N750			DTN-47	N47	CN7447	10TCU-Q47
C9	.01		CCD-103				10TS-S10
C10	.01		CCD-103				10TS-S10
C11	5		CCTO-050				10TCC-V50
C12	470		CCD-471	DD-471	GP470	GP347	10TS-T47
C14	.01		CCD-103				10TS-S10
C15	1					CN0510	10TCC-V10
C16	.04		6DP-3-393		DPMS6S39	PVC6139	6PS-S39
C17	5		CCTO-050				10TCC-V50
C18	.02		CCD-203			GP120	5GA-S20
C19	.001		DM19-102J	CPR-1000J	CD19FD102J03	SX210	424ME1001J501
C20	.02		CCD-203			GP120	5GA-S20
C21	.01		CCD-103				10TS-S10
C22	.04		CCD-403			GP140	5GA-S40
C25	.02		1MDF-1-203	CPJ-203	DPMS2S2	PVC212	2PS-S20
C26	.001		1MDF-1-102	CPJ-102	DPMS6D1	EWFA1A210	1PB-D10
C28	.01		1MDF-1-103	CPJ-103	DPMS4S1	EWFA1A110	1PB-S10
C29	.1		1MDF-3-104		DPMS2P1	EWFA1A010	1PB-P10
C35	30		CCTO-300				10TCC-Q30
C37	50 N750			DTN-47	N47	CN7447	10TCU-Q47
C38	50 N750			DTN-47	N47	CN7447	10TCU-Q47
C39	.01		CCD-103				10TS-S10
C40	.01		CCD-103				10TS-S10
C41	.001		CCD-102	DD-102		GP210	10TS-D10
C42	5		CCTO-050				10TCC-V50
C43	5		CCTO-050				10TCC-V50
C44	5		CCTO-050				10TCC-V50
C45	5		CCTO-050				10TCC-V50
C46	.02		CCD-203			GP120	5GA-S20
C47	.01		CCD-103				10TS-S10
C48	.001		CCD-102	DD-102		GP210	10TS-D10
C49	100 N750		CCTN-101	DTN-100	N100	CN7310	10TCU-T10
C51	100 10%		DM10-101J	CPR-100J	CD10FD101J03	SX310	424MC1000J501
C52	.02		CCD-203			GP120	5GA-S20
C53	.02		CCD-203			GP120	5GA-S20
C54	.02		CCD-203			GP120	5GA-S20
C56	.01		1MDF-1-103	CPJ-103	DPMS4S1	EWFA1A110	1PB-S10
C57	.01		1MDF-1-103	CPJ-103	DPMS4S1	EWFA1A110	1PB-S10
C58	.002		6DP-1-202	CPR-2000J	DPMS2S2	PVC622	6PS-D20
C62	.04		6DP-3-393		DPMS6S39	PVC6139	6PS-S39
C64	.02		CCD-203			GP120	5GA-S20
C65	.04		6DP-3-393		DPMS6S39	PVC6139	6PS-S39
C66	470		CCD-471	DD-471	GP470	GP347	10TS-T47
C67	.001		CCD-102	DD-102		GP210	10TS-D10
C68	.04		6DP-3-393		DPMS6S39	PVC6139	6PS-S39
C69	.04		6DP-3-393		DPMS6S39	PVC6139	6PS-S39
C71	470		CCD-471	DD-471	GP470	GP347	10TS-T47
C72	.001		CCD-102	DD-102		GP210	10TS-D10
C73	.04		6DP-3-393		DPMS6S39	PVC6139	6PS-S39
C74	.04		6DP-3-393		DPMS6S39	PVC6139	6PS-S39
C76	.04		CCD-403			GP140	5GA-S40
C77	.1		1MDF-3-104		DPMS2P1	EWFA1A010	1PB-P10
C78	.1		1MDF-3-104		DPMS2P1	EWFA1A010	1PB-P10
C81	.04		CCD-403			GP140	5GA-S40
C83	250			DTZ-270			10TCC-T27
C84	200			DTZ-200			10TCC-T20
C85	470		CCD-471	DD-471	GP470	GP347	10TS-T47
C86	.01		CCD-103				10TS-S10
C87	40		CCTO-390			CN0439	10TCC-Q39
C88	.01		CCD-103				10TS-S10
C89	50		CCTO-50	DTZ-50	NP050	CN0450	10TCC-Q50
C90	.01		CCD-103				10TS-S10
C91	.01		CCD-103				10TS-S10
C92	150 N750		CCTN-151	DTN-150	N150	CN7315	10TCU-T15
C93	5		CCTO-050				10TCC-V50
C94	150 N750		CCTN-151	DTN-150	N150	CN7315	10TCU-T15

PARTS LIST AND DESCRIPTION (CONTINUED)

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

CAPACITORS (cont)

ITEM No.	RATING	MFR. PART No.	REPLACEMENT DATA				
			ARCO PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.
C94	3		CCTO-3R3	DTZ-3R3	NP03P3	CN0533	10TCC-V33
C96	150 N750		CCTN-151	DTN-150	N150	CN7315	10TCU-T15
C97	200 N750		CCTN-201	DTN-200			10TCU-T20
C98	.01		CCD-103				10TS-S10
C99	.01		CCD-103				10TS-S10
C100	150 N750		CCTN-151	DTN-150	N150	CN7315	10TCU-T15
C101	.04		CCD-403			GP140	56A-S40
C102	200 N750		CCTN-201	DTN-200			10TCU-T20
C103	.02		CCD-203			GP120	56A-S20
C104	.01		CCD-103				10TS-S10
C105	.01		CCD-103				10TS-S10
C105A	.1		1MDF-3-104		DPMS2P1	EW1A010	1PB-P10
C106	200 N750		CCTN-201	DTN-200			10TCU-T20
C107	300		CCD-301	DD-301	GP300	GP330	10TS-T30
C108	300		CCD-301	DD-301	GP300	GP330	10TS-T30
C109	30 N750			DTN-33	N33	CN7433	10TCU-Q33
C110	.01		CCD-103				10TS-S10
C111	.01		CCD-103				10TS-S10
C112	1					CN0510	10TCC-V10
C113	.02		CCD-203			GP120	56A-S20
C114	.04		CCD-403			GP140	56A-S40
C115	.04		CCD-403			GP140	56A-S40
C116	.04		CCD-403			GP140	56A-S40
C117	.04		CCD-403			GP140	56A-S40
C118	.04		CCD-403			GP140	56A-S40
C119	.04		CCD-403			GP140	56A-S40
C120	.04		CCD-403			GP140	56A-S40
C121	.04		CCD-403			GP140	56A-S40
C122	.04		CCD-403			GP140	56A-S40
C123	.01		CCD-103				10TS-S10
C301	.001		CCD-102	DD-102		GP210	10TS-D10
C302	5		CCD-102	DD-102		GP210	10TS-D10
C303	50 N750			DTN-47	N47	CN7447	10TCU-Q47
C304	30		CCTO-300				10TCC-Q30

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.
VR1	Tone	10K					
VR2	Volume	10K					
VR3	Squelch	10K					
VR4	Squelch Range	30K		TSV-50K (2) or T-50K (2)	C-503 (2)	MTC54L1 (2)	X201R503B (2)
VR5	"S" Meter	30K		TSV-50K (2) or T-50K (2)	C-503 (2)	MTC54L1 (2)	X201R503B (2)
VR6	Tune	10K					
VR7	Modulation	100K		TSV-100K (2) or T-100K (2)	C-104 (2)	MTC15L1 (2)	X201R104B (2)
VR8	Mic Gain	10K					
VR9	RF Meter	30K		TSV-50K (2) or T-50K (2)	C-503 (2)	MTC54L1 (2)	X201R503B (2)
VR10	WPC Lamp	1000		TSV-1K or T-1000	C-102	MTC13L1	X201R102B

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

PARTS LIST AND DESCRIPTION (CONTINUED)

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

COILS (RF-IF)

ITEM No.	FUNCTION	REPLACEMENT DATA			REMARKS
		PART No.	OTHER IDENTIFICATION	MILLER PART No.	
L1	Rec Ant (27MHz)		ETC20106		
L2	Rec RF (27MHz)		ETC15060		
L3	Rec Mixer (10.6MHz)		ETC18062		
L4	RF Choke				
L5	RF Mixer (10.6MHz)		ETC15062		
L6	Input IF (455kHz)				
L7	Interstage IF (455kHz)		10330C		
L8	Output IF (455kHz)		ETC15090		
L9	Synth Osc (37MHz)		ETC15063		
L10	Rec Osc (10MHz)				
L11	RF Choke				
L12	Harmonic Suppressor (27MHz)		ETC15064		
L13	Harmonic Suppressor (27MHz)		ETC10564		
L14	Xmit Mixer (27MHz)		ETC15063		
L15	Xmit Buffer (27MHz)				
L16	Xmit Driver (27MHz)				
L17	RF Choke				
L18	Final Amp				
L19	Final Amp				
L20	Pi Filter				
L21	Pi Filter				
L22	TVI Trap (54MHz)				

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.	
T3	2000mA	.1	.8mH				

TRANSFORMER (Driver)

ITEM No.	TURNS RATIO			REPLACEMENT DATA			NOTES
	PRI.	SEC. 1	SEC. 2	MFGR. PART No.	THORDARSON PART No.	TRIAD PART No.	
T2	1.6	1		1001 (1)			(1) Number on unit.

TRANSFORMER (Audio Output)

ITEM No.	IMPEDANCE		REPLACEMENT DATA			NOTES
	PRI.	SEC.	MFGR. PART No.	THORDARSON PART No.	TRIAD PART No.	
T1	32	8	20012 (1)			(1) Number on unit.

SPEAKER

ITEM No.	TYPE	REPLACEMENT DATA		NOTES
		MFGR. PART No.	QUAM PART No.	
SP1	3" PM 8 Ohms			

ROYCE MODEL 1-606

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	2 Amp Fast Acting			AGC2	HDJ	312002	150145	FG2-2

CRYSTALS

ITEM No.	CRYSTAL FREQUENCY IN MHz	MFGR. PART No.	CTS KNIGHTS PART No.	CHANNEL	ITEM No.	CRYSTAL FREQUENCY IN MHz	MFGR. PART No.	CTS KNIGHTS PART No.	CHANNEL
X1	37.600		DA20W37.600	1,2,3,4	X8	10.170		DC22W10.170	2,6,10,14,18,22
X2	37.650		DA20W37.650	5,6,7,8	X9	10.160		DC22W10.160	3,7,11,15,19
X3	37.700		DA20W37.700	9,10,11,12	X10	10.140		DC22W10.140	4,8,12,16,20,23
X4	37.750		DA20W37.750	13,14,15,16	X11	10.635		DB20W10.635	1,5,9,13,17,21
X5	37.800		DA20W37.800	17,18,19,20	X12	10.625		DB20W10.625	2,6,10,14,18,20
X6	37.850		DA20W37.850	21,22,23	X13	10.615		DB20W10.615	3,7,11,15,19
X7	10.180		DC22W10.180	1,5,9,13,17,21	X14	10.595		DB20W10.595	4,8,12,16,20,23

MISCELLANEOUS

ITEM No.	PART NAME	PART No.	NOTES
CF	Ceramic Filter		455kHz
M	Meter		S-RF
RL1	Relay		Xmit/Rec (300 ohm)
RL2	Relay		Channel Selector (400 ohm)
M1	Solenoid		Channel Selector Advance (6 ohm)
S1	Switch		Power On/Off
S2	Switch		PA/CB
S3	Switch		NB-On/Off
S4	Switch		Loc/DX
S5	Switch		Channel Selector
S6	Switch		Auto Channel-Advance

WIRING DATA

General-use Hook-up Wire	Use BELDEN No. 8530 (Solid) Available in 12 Colors
Power Cord, 2-Wire	8524 (Stranded) Available in 12 Colors
Shielded Antenna Lead	17106 (Plastic) or 17126 (Rubber) -6 feet
	17109 (Plastic) or 17129 (Rubber) -9 feet
	Use BELDEN No. 8214 Lowest-loss (RG-8/U Type)
	8237 Low-loss (RG-8/U)
	8240 (Solid) Miniature (RG-58/U)
	8259 (Stranded) Miniature (RG-58A/U)
Coiled Microphone Cable	Use BELDEN No. 8497 3-Conductor (1 shielded for Press-to-Talk) Neoprene
	8491 4-Conductor (2 shielded, 2 unshielded) Neoprene