



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 SX-101

ALIGNMENT INSTRUCTIONS

Suggested Alignment Tools:

L4, L5, L6, L7, L8 GC ELECTRONICS 5000, 8290

ALL other tunable coils and transformers 940

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 .01 uF to Base of TR3, low side to ground.	455kHz, 1000Hz @ 30% modulation	Any	L6, L7, L8	Set generator output to maintain 0.5V across speaker voice coil. Adjust for maximum.
High side thru .01 uF to Antenna Jack, low side to ground.	27.085MHz, 1000Hz @ 30% modulation, output 1 uV	11	L2, L3, L4, L5 L9, L10	Adjust for maximum.

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
RF GAIN High side thru .01 uF to Antenna Jack, low side to ground.	27.085MHz, 1000Hz, @ 30% modulation, output 0.5 uV.	11	VR9	Adjust for 0.5V output across speaker voice coil.
SQUELCH RANGE High side thru .01 uF to Antenna Jack, low side to ground.	27.085MHz, 1000Hz @ 30% modulation, output 20 uV.	11	VR7	Set squelch control fully clockwise. Adjust so that squelch just breaks.
"S" METER High side thru .01 uF to Antenna Jack, low side to ground.	27.085MHz, 1000Hz @ 30% modulation, output 20 uV.	11	VR1	Adjust for "S" 9 reading on panel meter.

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

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ROBYN MODEL SX-101

TRANSMITTER

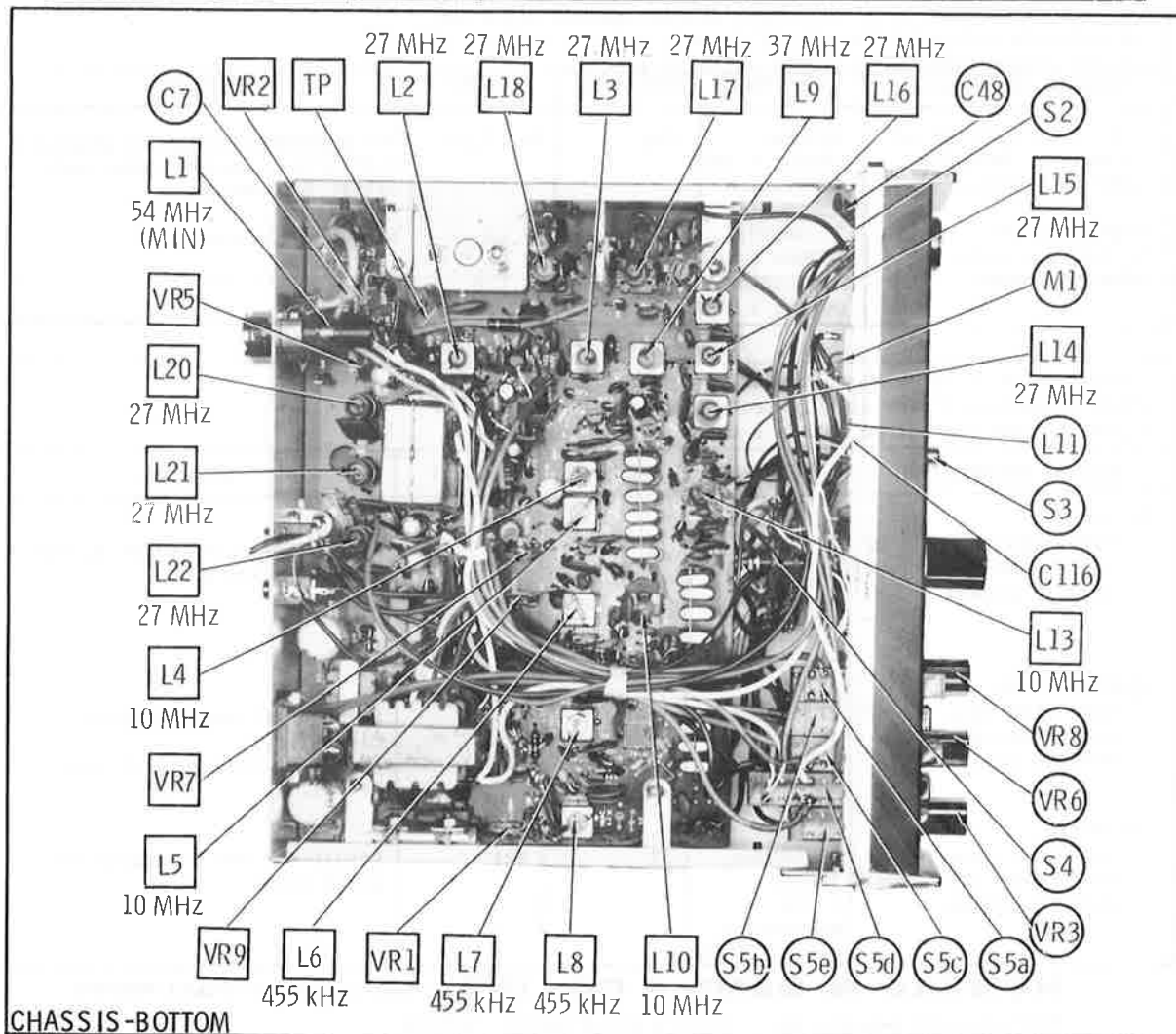
Connect an RF Wattmeter or 50-ohm, 25-watt dummy load to antenna connector.
Adjustments made with 14-volt DC input.

INDICATOR	ADJUST	REMARKS
OSCILLATOR, MIXER, BUFFER, DRIVER, FINAL RF Wattmeter	L9,L13,L14, L15,L16,L17, L18,L19,L21, L22,L23	Channel selector to CH11. Key transmitter. Adjust for maximum.
TVI TRAP TV (Ch. 2)	L1	Key transmitter. Adjust for MINIMUM interference on TV.
FINAL INPUT POWER Remove jumper at TP and connect 0-1000 DC milliammeter between L19 and T1.	L20	Adjust for 5 watts (Max.)

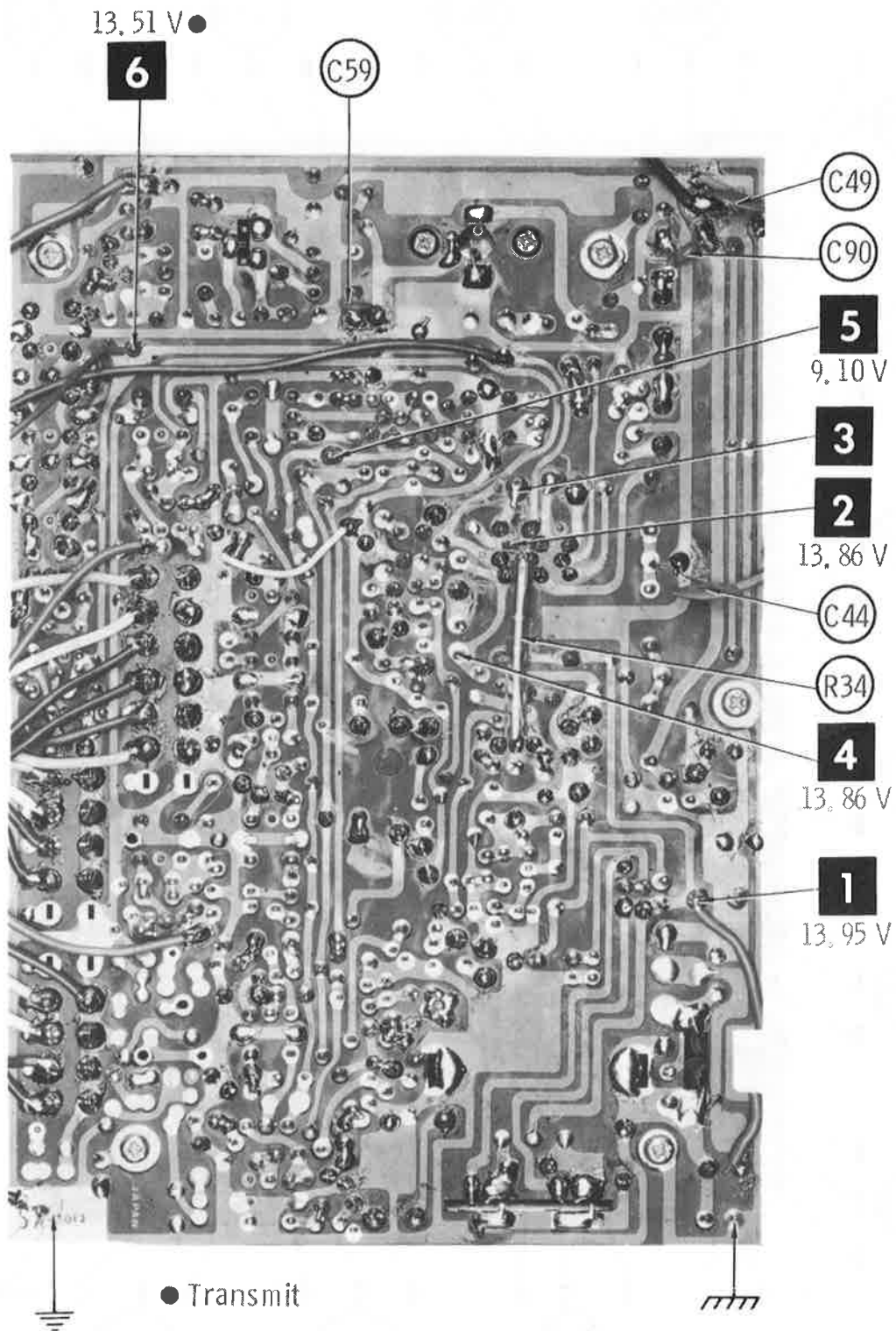
TRANSMITTER ADJUSTMENTS

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

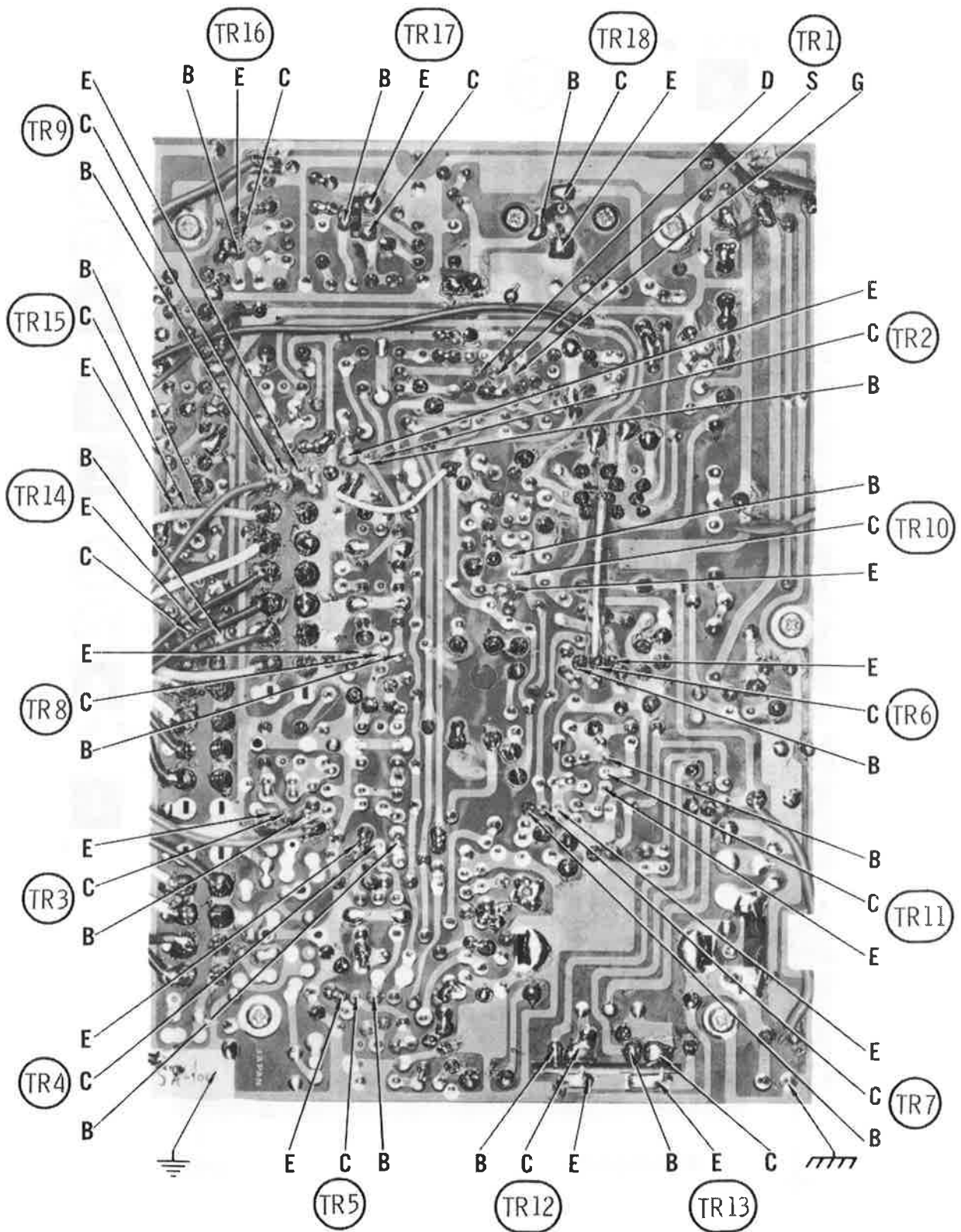
INDICATOR	ADJUST	REMARKS
AMC Modulation Meter connected to Antenna Jack.	VR5	Inject a 1000Hz 5 mV audio signal at mic input. Key transmitter. Adjust for 50% modulation.
RF PANEL METER RF Wattmeter	VR2	Key transmitter. Adjust so that panel RF meter agrees with RF wattmeter.



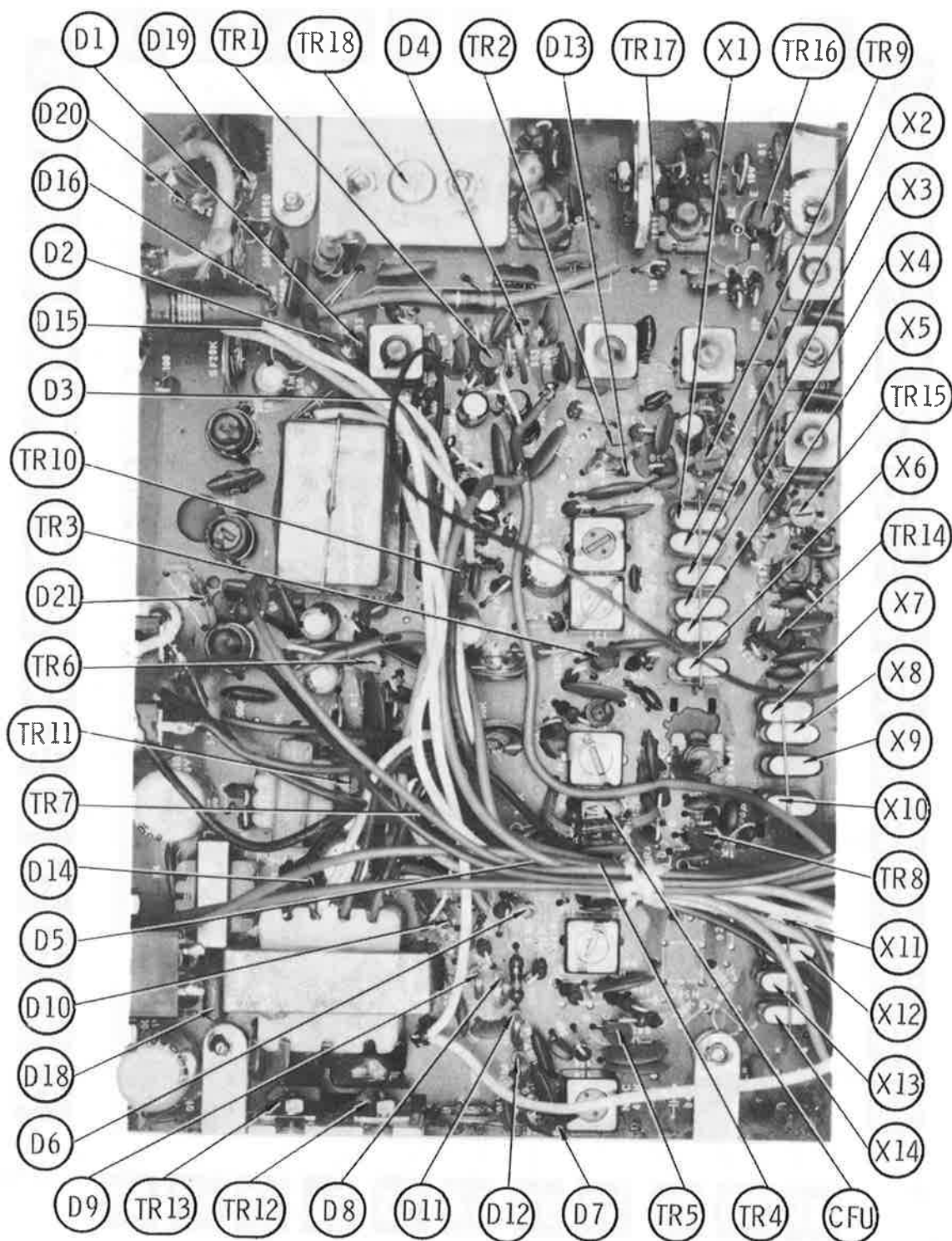
ROBYN MODEL SX-101



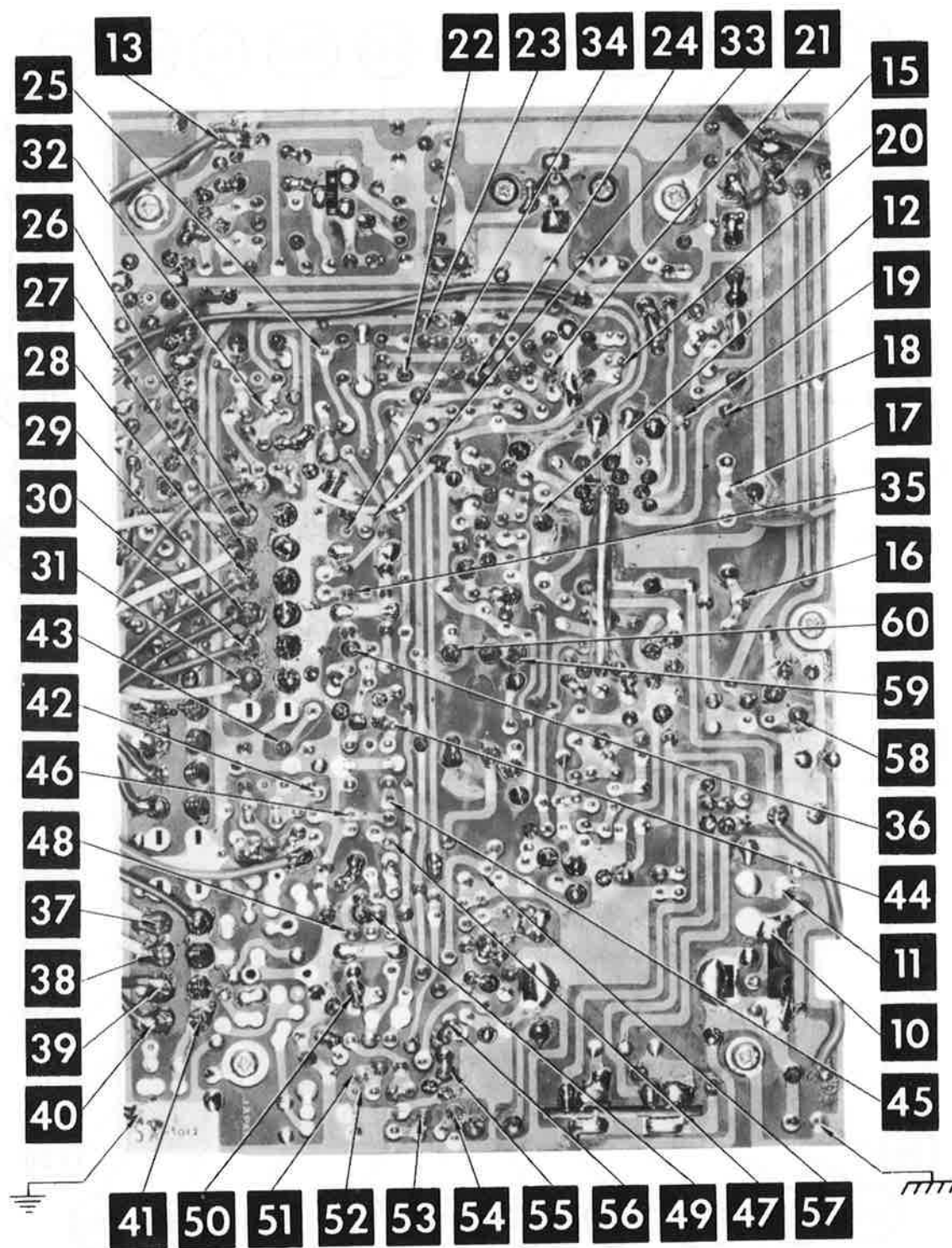
MAIN BOARD



MAIN BOARD

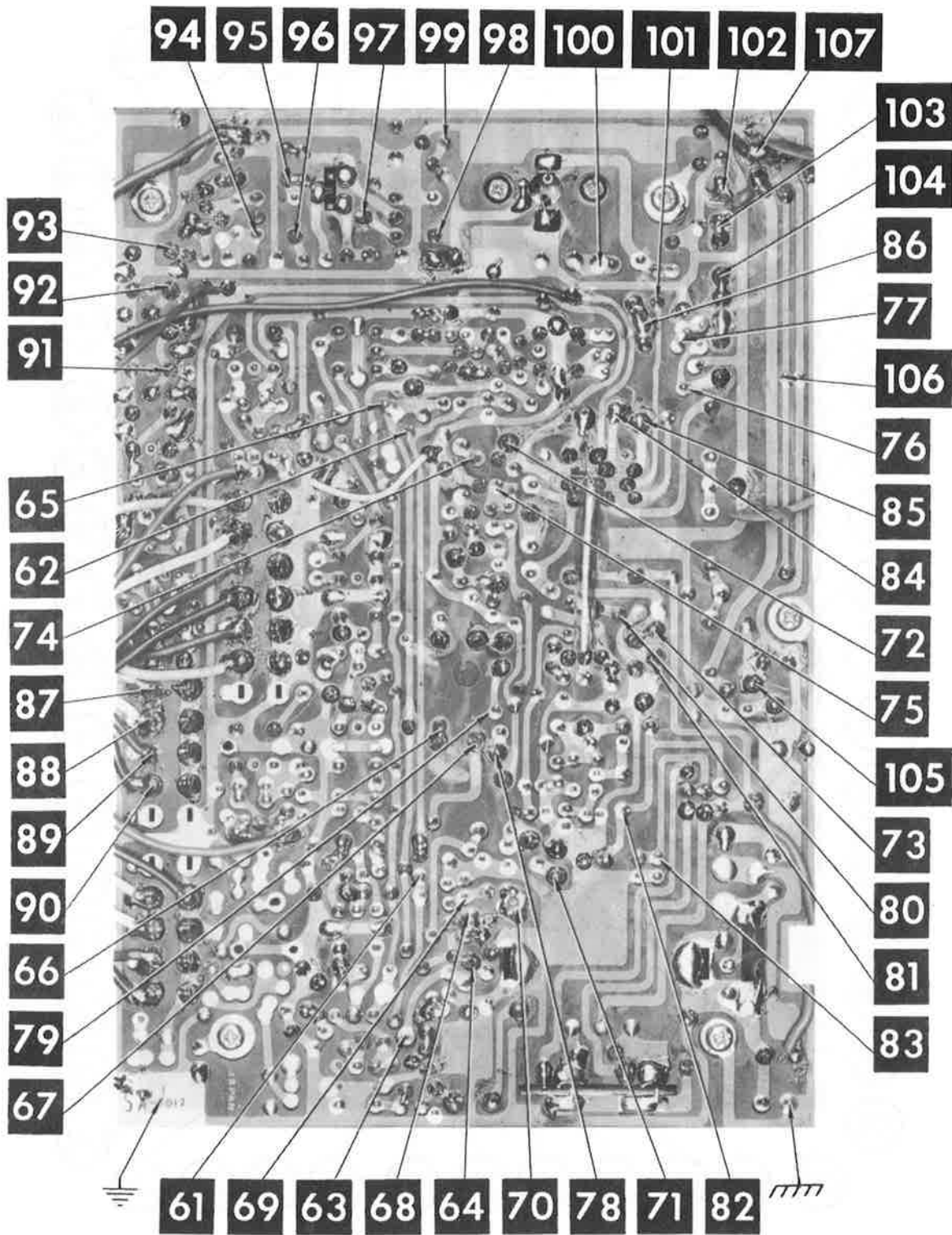


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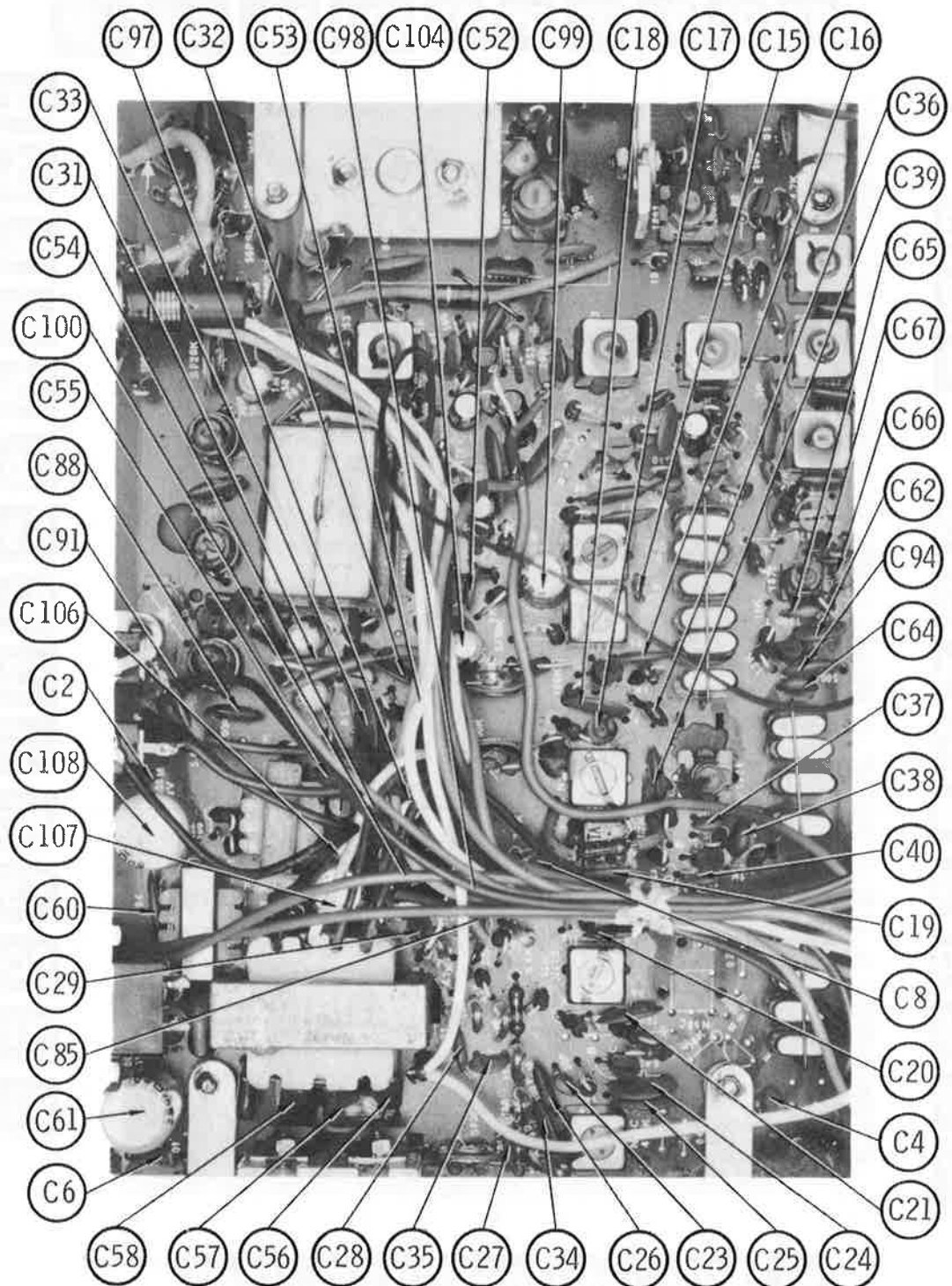


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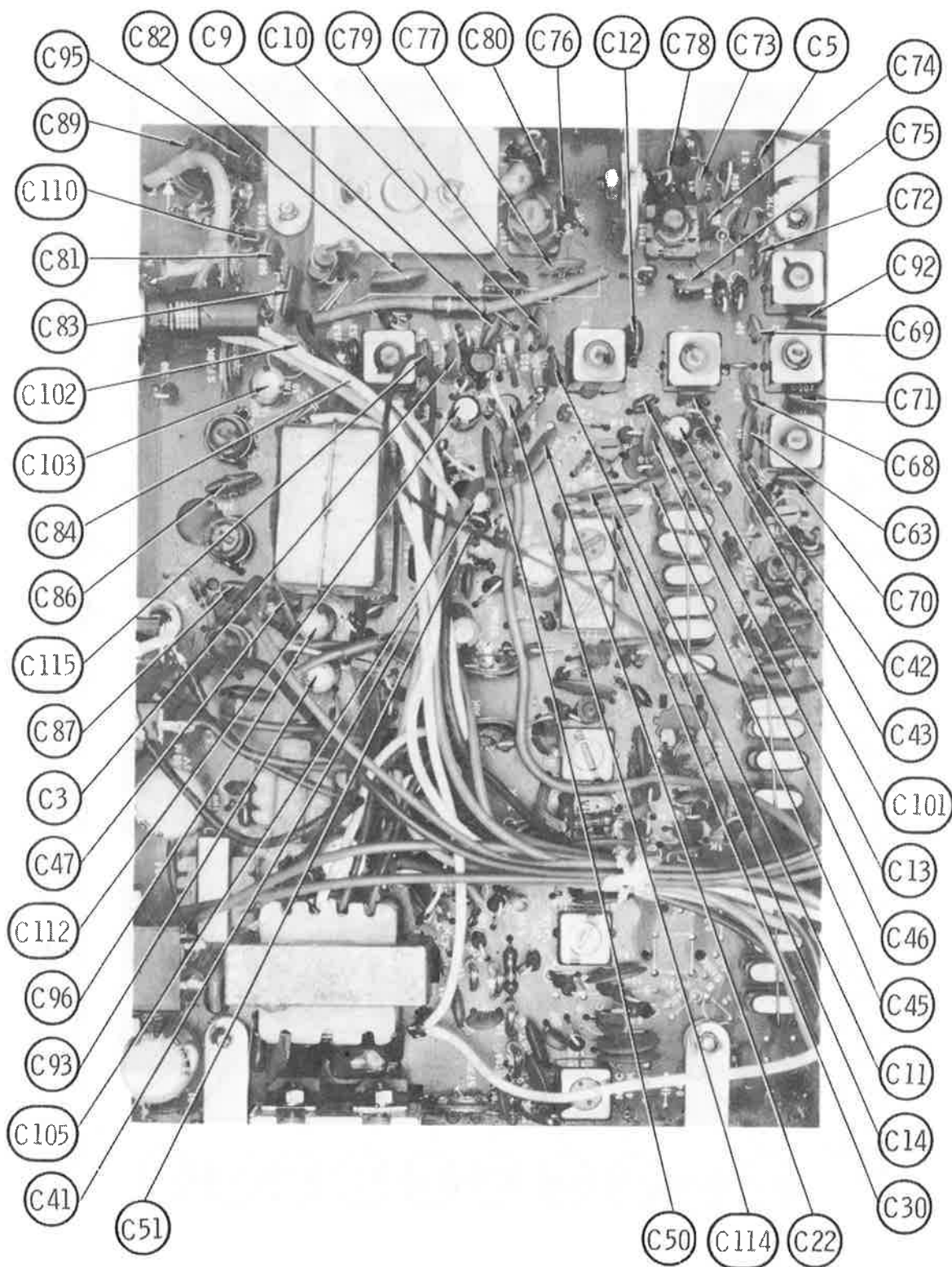
ROBYN MODEL SX-101



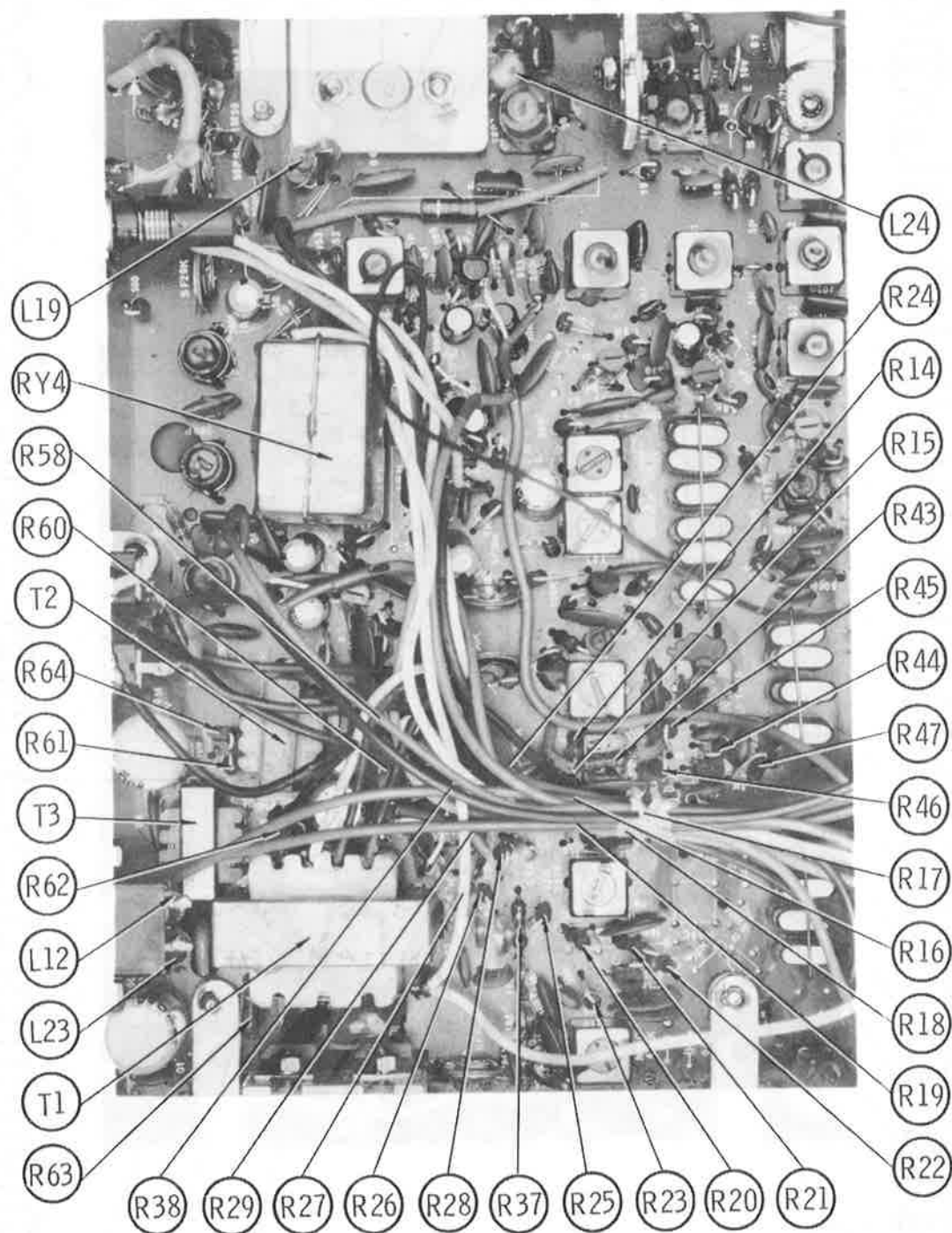
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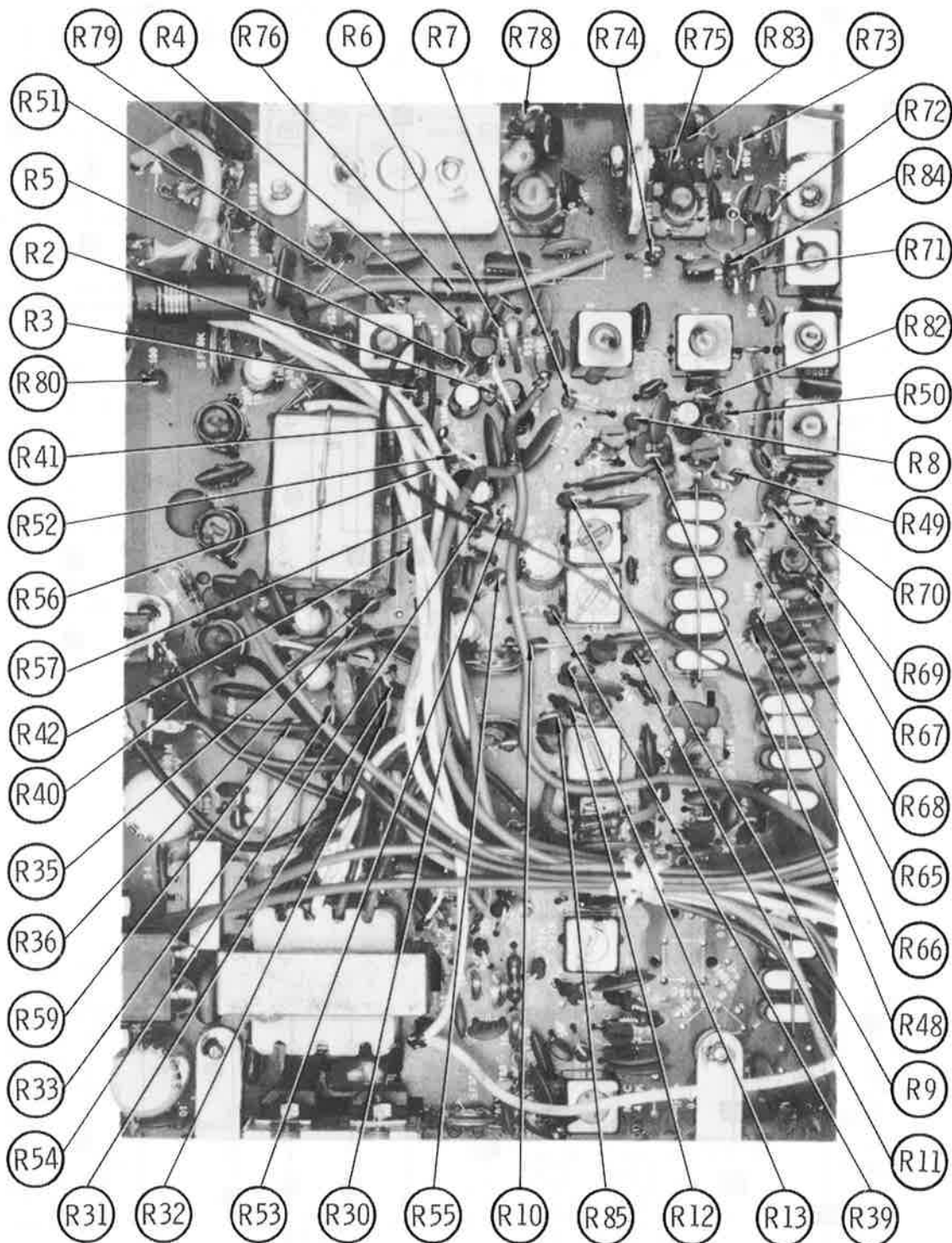
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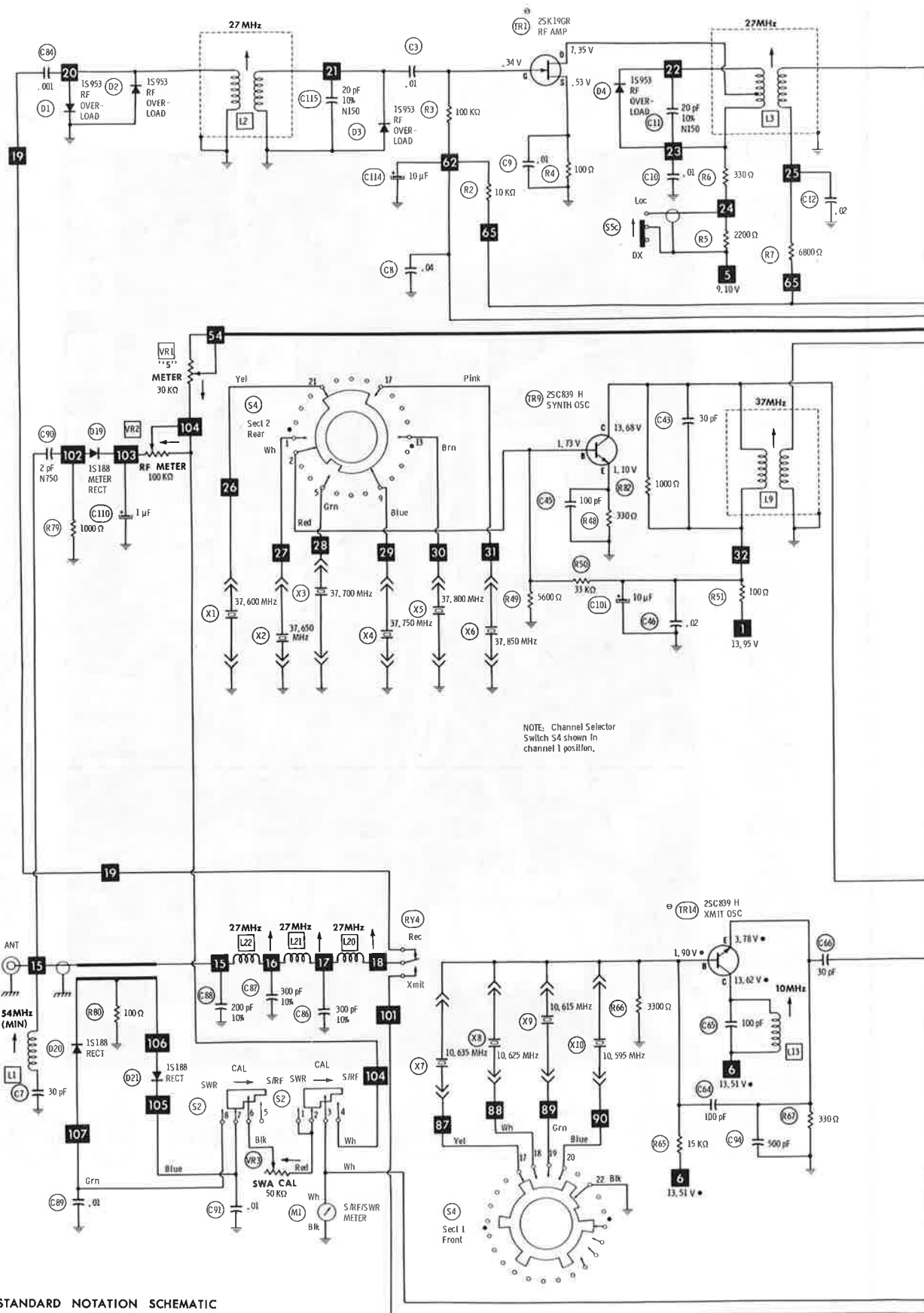
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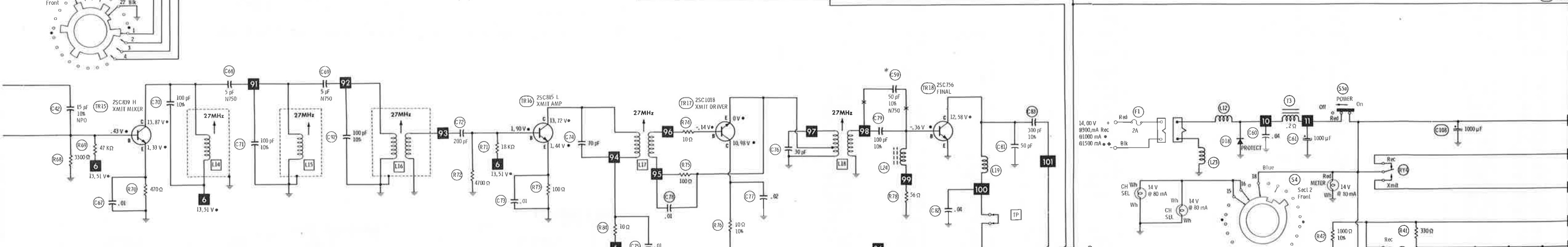
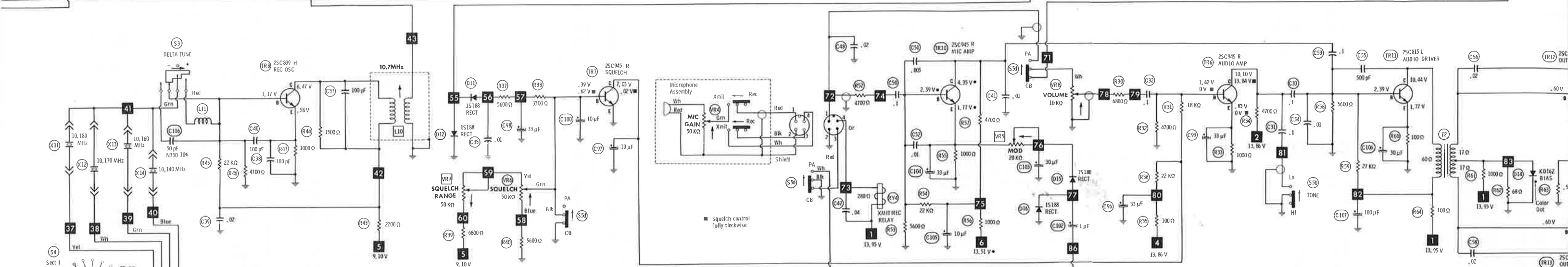
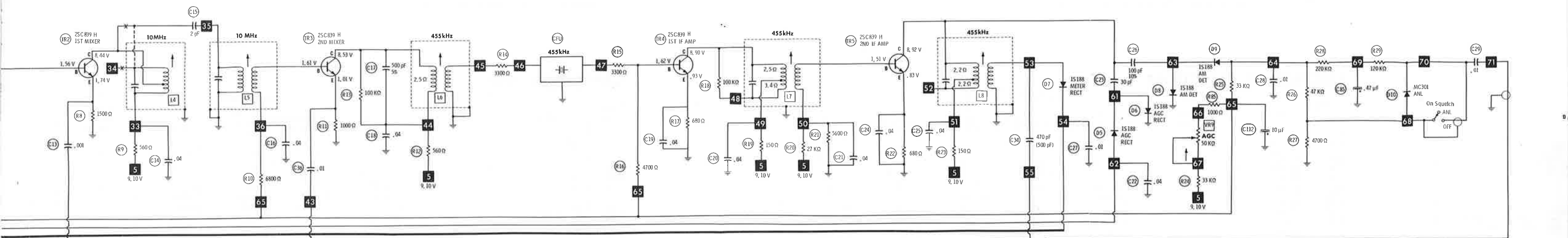
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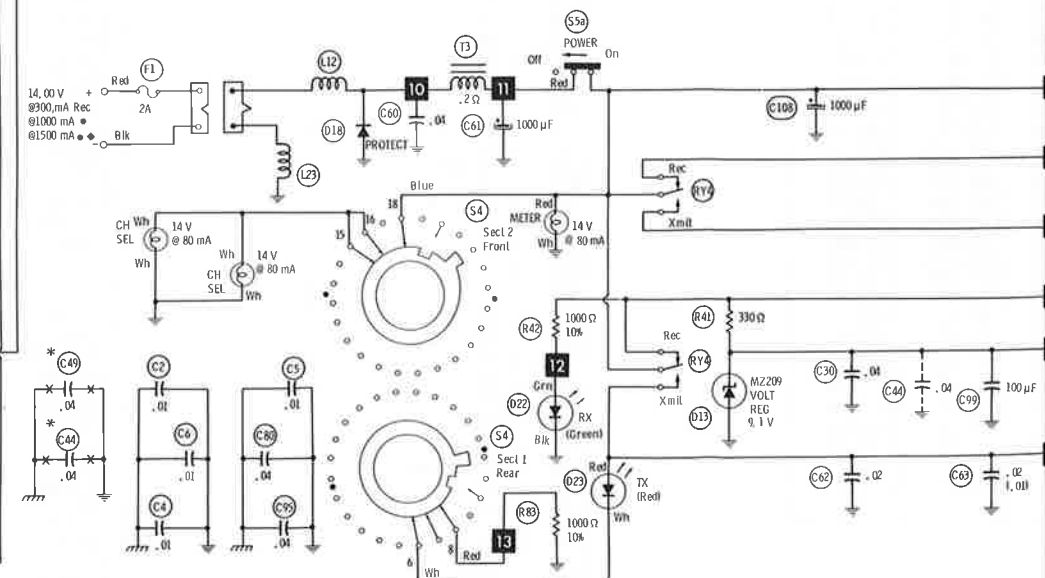
MAIN BOARD

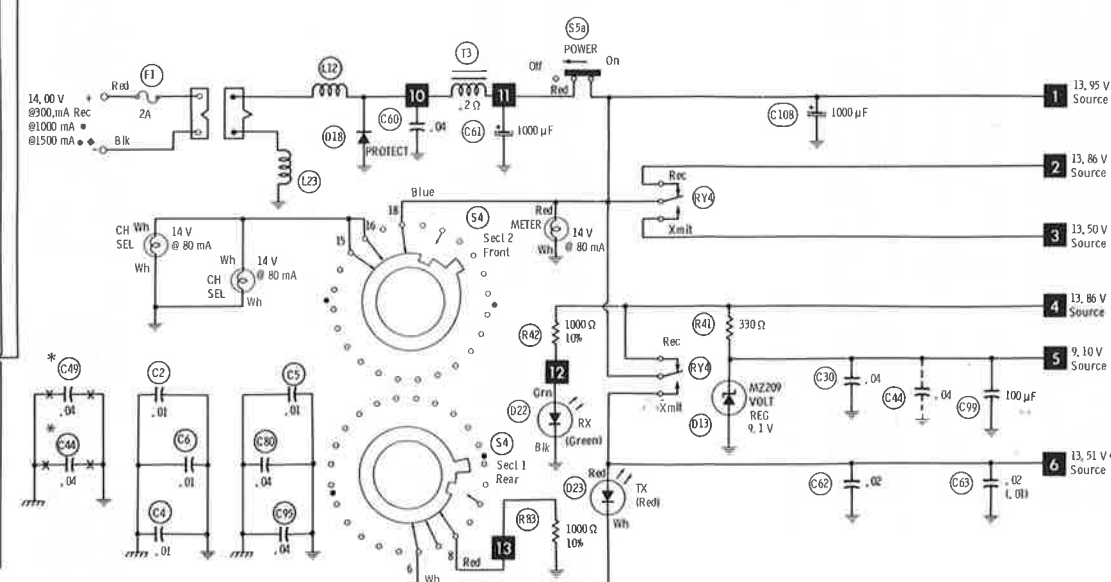
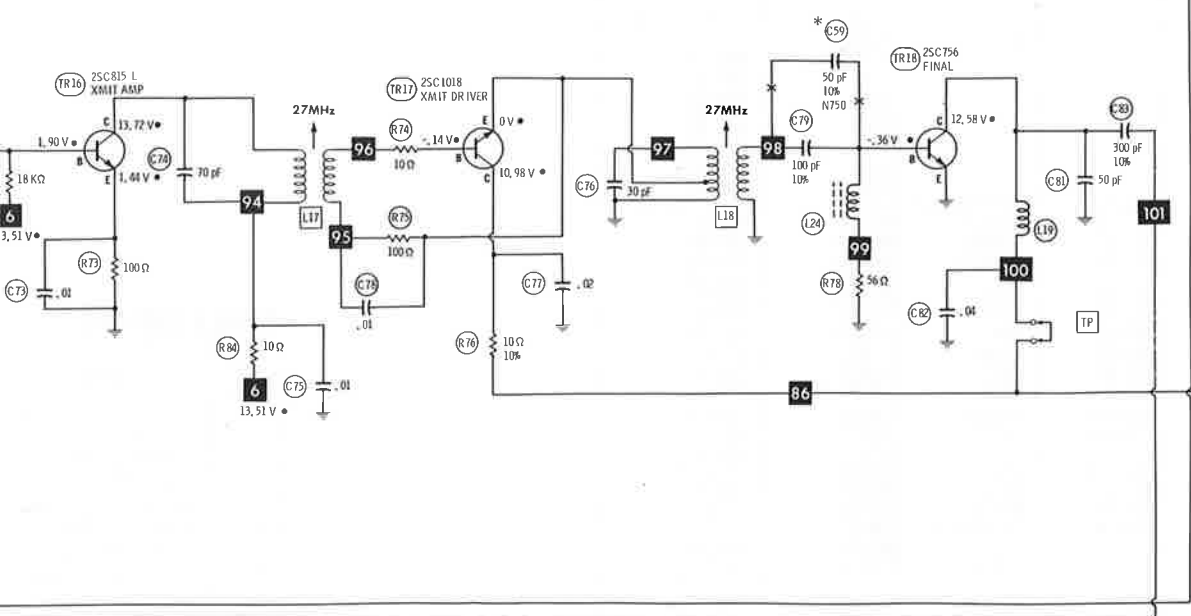
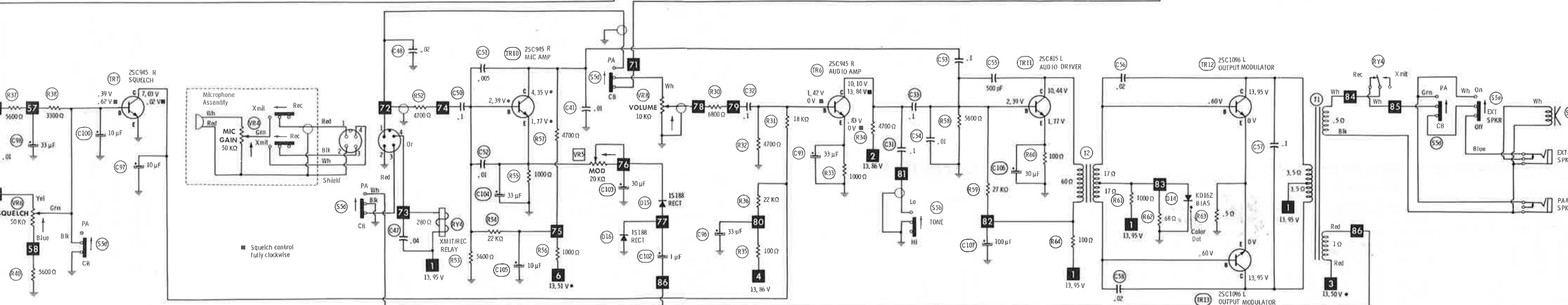
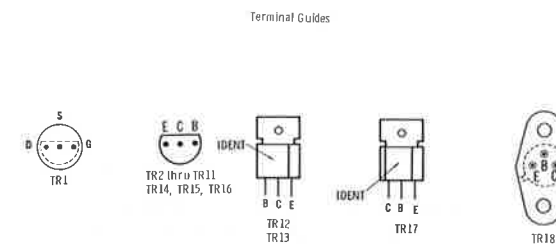
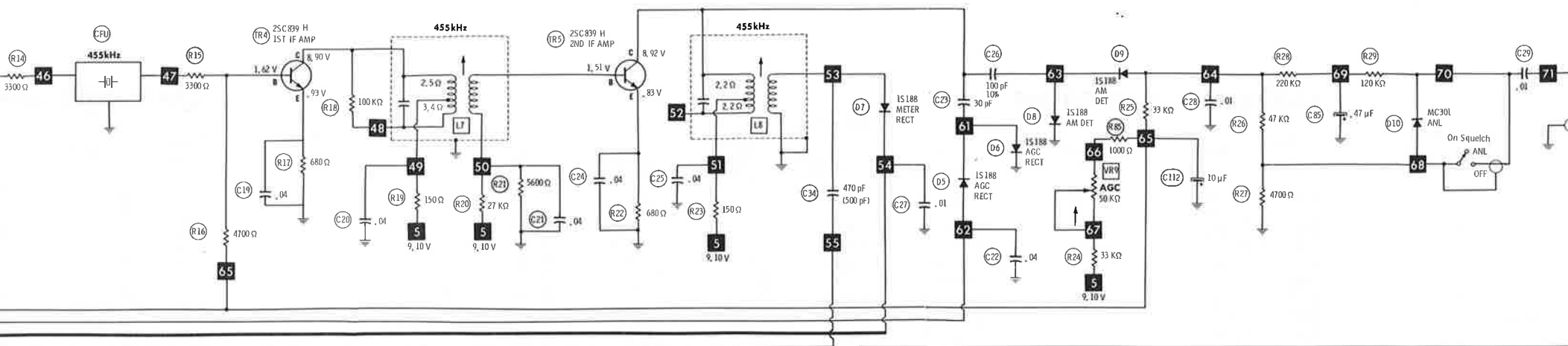


A PHOTOFAC STANDARD NOTATION SCHEMATIC
WITH **CIRCUITRACE**
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Chan	Crystal Complement	Chan	Crystal Complement	Chan	Crystal Complement	Chan	Crystal Complement
1	X1, X7, X11	7	X2, X9, X13	13	X4, X7, X11	19	X5, X9, X13
2	X1, X8, X12	8	X2, X10, X14	14	X4, X8, X12	20	X5, X10, X14
3	X1, X9, X13	9	X3, X7, X11	15	X4, X9, X13	21	X6, X7, X11
4	X1, X10, X14	10	X3, X8, X12	16	X4, X10, X14	22	X6, X8, X12
5	X2, X7, X11	11	X3, X9, X13	17	X5, X7, X11		
6	X2, X8, X12	12	X3, X10, X14	18	X5, X8, X12	23	X6, X10, X14





✕ Circuitry not used in some versions
 --- Circuitry used in some versions
 ⊕ See parts list
 * Nominal value
 ⊕ Ground
 // Chassis
 Measurements with switching as shown unless noted:
 ■ Squelch fully clockwise ♦ 100% modulation
 ● Transmit
 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.

ROBYN MODEL SX-101

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

WIRING DATA

General-use Hook-up Wire	Use BELDEN No.	8530 (Solid) Available in 12 Colors 8524 (Stranded) Available in 12 Colors
Power Cord, 2-Wire	Use BELDEN No.	17106 (Plastic) or 17126 (Rubber) -6 feet 17109 (Plastic) or 17129 (Rubber) -9 feet
Shielded Antenna Lead	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
Ignition Noise Suppression	Use BELDEN No.	7300-Series Spark-Plug Sets
Bonding Strap	Use BELDEN No.	8661 (3/8 inch)

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	1S953	9.1V Zener	GE-300	D200	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177
D2	1S953		GE-300	D200	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177
D3	1S953		GE-300	D200	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177
D4	1S953		GE-300	D200	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177
D5	1S188		1N60	1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109
D6	1S188		1N60	1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109
D7	1S188		1N60	1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109
D8	1S188		1N60	1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109
D9	1S188		1N60	1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109
D10	MC301		GE-300	D200	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177
D11	1S188	2SK33E(1)	1N60	1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109
D12	1S188		1N60	1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109
D13	MZ209		GEZD-9.1	Z1210	PTC505	HEPZ0412	RE 114	SK3060	RT-240	ECG139
D14	KB162		GE-504A	8D4	PTC201	HEPR0052	RE 49	SK3030	RT-213	ECG116
D15	1S188		1N60	1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109
D16	1S188		1N60	1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109
D18			GE-504A	8D4	PTC201	HEPR0052	RE 49	SK3030	RT-213	ECG116
D19	1S188		1N60	1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109
D20	1S188		1N60	1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109
D21	1S188		1N60	1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109
TR1	2SK196R	(2)	GE-FET-2	FE-100	PTC152	HEPF0021	RE 45	SK3116	RT-175	ECG132
	2SK33E(1)		GE-FET-2	FE-100	PTC152	HEPF0021	RE 45	SK3116	RT-175	ECG132
TR2	2SC839H		GE-20	TR-24	PTC121	HEPS0015	RE 13	SK3018	RT-107A	ECG123A
TR3	2SC839H		GE-20	TR-24	PTC121	HEPS0015	RE 13	SK3018	RT-107A	ECG123A
TR4	2SC839H		GE-20	TR-24	PTC121	HEPS0015	RE 13	SK3018	RT-107A	ECG123A
TR5	2SC839H		GE-20	TR-24	PTC121	HEPS0015	RE 13	SK3018	RT-107A	ECG123A
TR6	2SC945R		GE-20	TR-24	PTC136	HEPS0015	RE 13	SK3124	RT-107A	ECG199
TR7	2SC945R		GE-20	TR-24	PTC136	HEPS0015	RE 13	SK3124	RT-107A	ECG199
TR8	2SC839H		GE-20	TR-24	PTC121	HEPS0015	RE 13	SK3018	RT-107A	ECG123A
TR9	2SC839H		GE-20	TR-24	PTC121	HEPS0015	RE 13	SK3018	RT-107A	ECG123A
TR10	2SC945R	(2)	GE-20	TR-24	PTC136	HEPS0015	RE 13	SK3124	RT-107A	ECG199
TR11	2SC815L		GE-18	TR-25	PTC123	HEPS0015	RE 13	SK3024	RT-172	ECG123A
TR12	2SC1096L		GE-28	TR-55	PTC110	HEPS5000	RE 42	SK3054	RT-197	ECG186
TR13	2SC1096L		GE-28	TR-55	PTC110	HEPS5000	RE 42	SK3054	RT-197	ECG186
TR14	2SC839H		GE-20	TR-24	PTC121	HEPS0015	RE 13	SK3018	RT-107A	ECG123A
TR15	2SC839H		GE-20	TR-24	PTC121	HEPS0015	RE 13	SK3018	RT-107A	ECG123A
	25C710C(1)		GE-17	TR-24	PTC121	HEPS0016	RE 9	SK3018	RT-105	ECG123A
	2SC815L		GE-18	TR-25	PTC123	HEPS0015	RE 13	SK3024	RT-172	ECG123A
	25C620D(1)		GE-20	TR-24	PTC136	HEPS0015	RE 13	SK3122	RT-102	ECG123A
TR17	25C1018	(3)	GE-28	TR-55	PTC110	HEPS3020	RE 80	SK3054	RT-154	ECG210
TR18	25C756				PTC176			SK3049	RT-182	ECG237
D22										
D23										

- (1) Alternate.
(2) Rating 10 watts @ 2 amps.
(3) Rating 4 watts @ 1 amp.
(4) Rating 10 watts @ 4 amps.

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

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.
C61	1000 16V		RME-N-E-1000	EP15-1000	PC1000-16	VTT1000L16	EV-1260
C85	.47 30V					TDC474M050EL	SD50-R479
C93	33 16V		ME-4-G-035	EP30-25	PC30-25	VTT33D25	EV-1325
C96	33 16V		ME-4-G-035	EP30-25	PC30-25	VTT33D25	EV-1325
C97	10 16V		RME-B-G-010	EP15-10	PC10-25	VTT10A25	EV-1222
C98	33 16V		ME-4-G-035	EP30-25	PC30-25	VTT33D25	EV-1325
C99	100 10V		CTA-1450		WBR50-450	TC79B	TVA-1713
C100	10 16V		RME-B-G-010	EP15-10	PC10-25	VTT10A25	EV-1222
C101	10 16V		RME-B-G-010	EP15-10	PC10-25	VTT10A25	EV-1222
C102	1 50V		RME-A-J-001	EP50-1	PC1-50	MTV1CB50	EV-1615
C103	33 16V		ME-4-G-035	EP30-25	PC30-25	VTT33D25	EV-1325
C104	33 16V		ME-4-G-035	EP30-25	PC30-25	VTT33D25	EV-1325
C105	10 16V		RME-B-G-010	EP15-10	PC10-25	VTT10A25	EV-1222
C106	33 16V		ME-4-G-035	EP30-25	PC30-25	VTT33D25	EV-1325
C107	100 16V		CTA-1450		WBR50-450	TC79B	TVA-1713
C108	1000 16V		RME-N-E-1000	EP15-1000	PC1000-16	VTT1000L16	EV-1260
C110	1 50V					TDC104M050EL	SD50-R109
C112	10 16V		RME-B-G-010	EP15-10	PC10-25	VTT10A25	EV-1222
C114	10 16V		RME-B-G-010	EP15-10	PC10-25	VTT10A25	EV-1222

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.
C2	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C3	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C4	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C5	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C6	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C7	30		CCT0-300				10TCC-Q30
C8	.04		CCD-403			GP140	5GA-S40
C9	.01		CCD-272			GP227	10TS-D27
C10	.01		CCD-272			GP227	10TS-D27
C11	20 10% N150		* 1MDF-1-203	CPJ-203	DPMS2S2	PVC212	10TCP-Q20
C12	.02		CCD-102	DD-102		GP210	2PS-S20
C13	.001		CCD-102			GP140	10TS-D10
C14	.04		CCD-403			GP140	5GA-S40
C15	2						
C16	.04		CCD-403			GP140	5GA-S40
C17	500 5%		CCT0-330	DTZ-33	NP033	CN0433	10TCC-Q33
C18	.04		CCD-403			GP140	5GA-S40
C19	.04		CCD-403			GP140	5GA-S40
C20	.04		CCD-403			GP140	5GA-S40
C21	.04		CCD-403			GP140	5GA-S40
C22	.04		CCD-403			GP140	5GA-S40
C23	30		CCT0-300				10TCC-Q30
C24	.04		CCD-403			GP140	5GA-S40
C25	.04		CCD-403			GP140	5GA-S40
C26	100 10%		DM10-101J	CPR-100J	CD10FD101J03	SX310	424MC1000J501
C27	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C28	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C29	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C30	.04		CCD-403			GP140	5GA-S40
C31	.1			DC-104	MGP1	MAG5001	TG-P10
C32	.1			DC-104	MGP1	MAG5001	TG-P10
C33	.1			DC-104	MGP1	MAG5001	TG-P10
C34	470		CCD-471	DD-471	GP470	GP347	10TS-T47
C35	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C36	.01		1MDF-1-103	CPJ-103	DPMS4S1	EWF1A110	1PB-S10
C37	100		CCT0-101	DTZ-100	NP0100	CN0310	10TCC-T10
C38	100		CCT0-101	DTZ-100	NP0100	CN0310	10TCC-T10
C39	.02		CCD-203			GP120	5GA-S20
C40	100		CCT0-101	DTZ-100	NP0100	CN0310	10TCC-T10
C41	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C42	15 10% NPO		CCT0-150	DTZ-15	NP015	CN0415	10TCC-Q15
C43	30		DM10-300J	CPR-30J	CD6ED300J03	SX430	
C44	.04		CCD-403			GP140	5GA-S40
C45	100		CCT0-101	DTZ-100	NP0100	CN0310	10TCC-T10
C46	.02		CCD-302				10TS-D30
C47	.04		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C48	.02		6DP-2-153		DPMS6S15	EWF6115	6PS-S15
C49	.04		CCD-403			GP140	5GA-S40
C50	.1			DC-104	MGP1	MAG5001	TG-P10

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

CAPACITORS (cont)

ITEM No.	RATING
C51	.055
C52	.01
C53	.1
C54	.01
C55	500
C56	.02
C57	.1
C58	.02
C59	50 10% N750
C60	.04
C62	.02
C63	.02
C64	100
C65	100
C66	30
C67	.01
C68	5 N750
C69	5 N750
C70	100 10%
C71	100 10%
C72	200
C73	.01
C74	70
C75	.01
C76	30
C77	.02
C78	.01
C79	100 10%
C80	.04
C81	50
C82	.04
C83	300 10%
C84	.001
C86	300 10%
C87	300 10%
C88	200 10%
C89	.01
C90	2 N750
C91	.01
C92	100 10%
C94	500
C95	.04
C115	20 10% N150
C116	50 10% N750

* Not normally in distribution

COILS (RF-IF)

ITEM No.	FUNCTION
L1	TVI Trap (54MHz)
L2	Antenna (27MHz)
L3	RF Output (27mH)
L4	10MHz IF
L5	Harmonic Sup (10MHz)
L6	Input IF (455kHz)
L7	Interstage IF (455kHz)
L8	Output IF (455kHz)
L9	Synth. Osc. (37MHz)
L10	Rec. Osc. (10MHz)
L11	Delta Tune
L12	RF Choke
L13	Xmit. Osc. (10MHz)

PARTS LIST AND DESCRIPTION (CONTINUED)

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

ELECTROLYTIC CAPACITORS

ITEM No.	RATING	REPLACEMENT DATA					
		MFG. PART No.	ARCO PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.
C61	1000 16V		RME-N-E-1000	EP15-1000	PC1000-16	VTT1000L16	EV-1260
C85	.47 30V					TDC474M050EL	SD50-R479
C93	33 16V		ME-4-G-035	EP30-25	PC30-25	VTT33D25	EV-1325
C96	33 16V		ME-4-G-035	EP30-25	PC30-25	VTT33D25	EV-1325
C97	10 16V		RME-B-G-010	EP15-10	PC10-25	VTT10A25	EV-1222
C98	33 16V		ME-4-G-035	EP30-25	PC30-25	VTT33D25	EV-1325
C99	100 10V		CTA-1450		WBR50-450	TC79B	TVA-1713
C100	10 16V		RME-B-G-010	EP15-10	PC10-25	VTT10A25	EV-1222
C101	10 16V		RME-B-G-010	EP15-10	PC10-25	VTT10A25	EV-1222
C102	1 50V		RME-A-J-001	EP50-1	PC1-50	MTV1CB50	EV-1615
C103	33 16V		ME-4-G-035	EP30-25	PC30-25	VTT33D25	EV-1325
C104	33 16V		ME-4-G-035	EP30-25	PC30-25	VTT33D25	EV-1325
C105	10 16V		RME-B-G-010	EP15-10	PC10-25	VTT10A25	EV-1222
C106	33 16V		ME-4-G-035	EP30-25	PC30-25	VTT33D25	EV-1325
C107	100 16V		CTA-1450		WBR50-450	TC79B	TVA-1713
C108	1000 16V		RME-N-E-1000	EP15-1000	PC1000-16	VTT1000L16	EV-1260
C110	1 50V					TDC104M050EL	SD50-R109
C112	10 16V		RME-B-G-010	EP15-10	PC10-25	VTT10A25	EV-1222
C114	10 16V		RME-B-G-010	EP15-10	PC10-25	VTT10A25	EV-1222

CAPACITORS

ITEM No.	RATING	MFG. PART No.	REPLACEMENT DATA				
			ARCO PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.
C2	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C3	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C4	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C5	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C6	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C7	30		CCTO-300				10TCC-Q30
C8	.04		CCD-403			GP140	5GA-S40
C9	.01		CCD-272			GP227	10TS-D27
C10	.01		CCD-272			GP227	10TS-D27
C11	20 10% N150		*			*	10TCP-Q20
C12	.02		1MDF-1-203	CPJ-203	DPMS2S2	PVC212	2PS-S20
C13	.001		CCD-102	DD-102		GP210	10TS-D10
C14	.04		CCD-403			GP140	5GA-S40
C15	2						
C16	.04		CCD-403			GP140	5GA-S40
C17	500 5%		CCTO-330	DTZ-33	NPO33	CN0433	10TCC-Q33
C18	.04		CCD-403			GP140	5GA-S40
C19	.04		CCD-403			GP140	5GA-S40
C20	.04		CCD-403			GP140	5GA-S40
C21	.04		CCD-403			GP140	5GA-S40
C22	.04		CCD-403			GP140	5GA-S40
C23	30		CCTO-300				10TCC-Q30
C24	.04		CCD-403			GP140	5GA-S40
C25	.04		CCD-403			GP140	5GA-S40
C26	100 10%		DM10-101J	CPR-100J	CD10FD101J03	SX310	424MC1000J501
C27	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C28	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C29	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C30	.04		CCD-403			GP140	5GA-S40
C31	.1			DC-104	MGP1	MAG5001	TG-P10
C32	.1			DC-104	MGP1	MAG5001	TG-P10
C33	.1			DC-104	MGP1	MAG5001	TG-P10
C34	470		CCD-471	DD-471	GP470	GP347	10TS-T47
C35	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C36	.01		1MDF-1-103	CPJ-103	DPMS4S1	EWFA1A110	1PB-S10
C37	100		CCTO-101	DTZ-100	NPO100	CN0310	10TCC-T10
C38	100		CCTO-101	DTZ-100	NPO100	CN0310	10TCC-T10
C39	.02		CCD-203			GP120	5GA-S20
C40	100		CCTO-101	DTZ-100	NPO100	CN0310	10TCC-T10
C41	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C42	15 10% NPO		CCTO-150	DTZ-15	NPO15	CN0415	10TCC-Q15
C43	30		DM10-300J	CPR-30J	CD6ED300J03	SX430	5GA-S40
C44	.04		CCD-403			GP140	5GA-S40
C45	100		CCTO-101	DTZ-100	NPO100	CN0310	10TCC-T10
C46	.02		CCD-302				10TS-D30
C47	.04		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C48	.02		6DP-2-153		DPMS6S15	EWF6115	6PS-S15
C49	.04		CCD-403			GP140	5GA-S40
C50	.1			DC-104	MGP1	MAG5001	TG-P10

PARTS LIST AND DESCRIPTION (CONTINUED)

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

CAPACITORS (cont)

ITEM No.	RATING	MFG. PART No.	REPLACEMENT DATA				
			ARCO PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.
C51	.055						
C52	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C53	.1		CCD-103	DC-103	GP10000	MAG5001	TG-P10
C54	.01		CCD-471	DD-471	GP470	MAG5011	2SS-S10
C55	500		1MDF-1-203	CPJ-203	DPMS2S2	GP347	10TS-T47
C56	.02		1MDF-3-104		DPMS2P1	PVC212	2PS-S20
C57	.1		CCD-103	DC-103	GP10000	EWFA1A10	1PB-P10
C58	.02		CCTN-560			MAG5011	2SS-S10
C59	50 10% N750		CCD-103	DC-103	GP10000		10TCU-Q56
C60	.04		CCD-103			MAG5011	2SS-S10
C62	.02		CCD-203			GP120	5GA-S20
C63	.02		CCD-203			GP120	5GA-S20
C64	100		CCTO-101	DTZ-100	NPO100	CN0310	10TCC-T10
C65	100		CCTO-101	DTZ-100	NPO100	CN0310	10TCC-T10
C66	30		CCTO-300				10TCC-Q30
C67	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C68	5 N750		DTN-5		N5	CN7550	10TCU-V50
C69	5 N750		DTN-5		N5	CN7550	10TCU-V50
C70	100 10%		CCTO-101	DTZ-100	NPO100	CN0310	10TCC-T10
C71	100 10%		DM10-101J	CPR-100J	CD10FD101J03	SX310	424MC1000J501
C72	200		CCD-201	DD-201	GP200	GP320	10TS-T20
C73	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C74	70		DM10-750J	CPR-75J	CD6ED750J03	SX475	424MC750J501
C75	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C76	30		DM10-300J	CPR-30J	CD6ED300J03	SX430	5GA-S20
C77	.02		CCD-203			GP120	5GA-S20
C78	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C79	100 10%		DM10-101J	CPR-100J	CD10FD101J03	SX310	424MC1000J501
C80	.04		1MDF-2-473		DPMS2S47	EWFA1A147	1PB-S47
C81	50		DM10-500J		CD6ED500J03		
C82	.04		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C83	300 10%		DM15-301J	CPR-300J	CD15FD301J03	SX330	424ME3000J501
C84	.001		CCD-102	DD-102		GP210	10TS-D10
C86	300 10%		DM15-301J	CPR-300J	CD15FD301J03	SX330	424ME3000J501
C87	300 10%		DM15-301J	CPR-300J	CD15FD301J03	SX330	424ME3000J501
C88	200 10%		DM10-201J	CPR-200J	CD10FD201J03	SX320	424ME2000J501
C89	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C90	2 N750						
C91	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C92	100 10%		DM10-101J	CPR-100J	CD10FD101J03	SX310	424MC1000J501
C94	500		CCD-501	DD-501	GP500	GP350	10TS-T50
C95	.04		1MDF-2-473		DPMS2S47	EWFA1A147	1PB-S47
C115	20 10% N150		*			*	10TCP-Q20
C116	50 10% N750		CCTN-560				10TCU-Q56

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

COILS (RF-IF)

ITEM No.	FUNCTION	REPLACEMENT DATA			REMARKS
		PART No.	OTHER IDENTIFICATION	MILLER PART No.	
L1	TVI Trap (54MHz)	1865			
L2	Antenna (27MHz)	1804	T60		
L3	RF Output (27mH)	1889	T63		
L4	10MHZ IF	1721	T56		
L5	Harmonic Sup (10MHz)	1722			
L6	Input IF (455kHz)	1723	N-50A		
L7	Interstage IF (455kHz)	1278	N-47B		
L8	Output IF (455kHz)	17569	N-50C		
L9	Synth. Osc. (37MHz)	1802	T61		
L10	Rec. Osc. (10MHz)	1806			
L11	Delta Tune	1799			
L12	RF Choke	17245			
L13	Xmit. Osc. (10MHz)	1870			

PARTS LIST AND DESCRIPTION (CONTINUED)

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

COILS (RF-IF) (cont)

ITEM No.	FUNCTION	REPLACEMENT DATA			REMARKS
		PART No.	OTHER IDENTIFICATION	MILLER PART No.	
L14	Xmit. Mixer.	1745	T52		
L15	Harmonic Sup. (27MHz)	1745	T52		
L16	Harmonic Sup. (27MHz)	1800	T58		
L17	Xmit. Driver Input (27MHz)	1801			
L18	Xmit. Driver Output (27MHz)	1807B			
L19	RF Choke	1726			
L20	Antenna	1752			
L21	Pi Filter	1752			
L22	Pi Filter	1752			
L23	RF Choke	1724S			
L24	RF Choke				

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	"S" Meter	30K		TSV-50K (2) or T-50K (2)	C-503 (2)	MTC54L1 (2)	X201R503B (2)
VR2	RF Meter	100K		TSV-100K (2) or T-100K (2)	C-104 (2)	MTC15L1 (2)	X201R104B (2)
VR3	SWR Calib.	50K		TSV-50K (2) or T-50K (2)	C-503 (2)	MTC54L1 (2)	X201R503B (2)
VR4	Mic Gain	50K		T-20K (2) or TSV-25K (2)	C-253 (2)	MTC24L1 (2)	X201R253B (2)
VR5	Modulation	20K					
VR6	Squelch/Switch	50K		TSV-50K (2) or T-50K (2)	C-503 (2)	MTC54L1 (2)	X201R503B (2)
VR7	Squelch Range	50K					
VR8	Volume	10K		TSV-50K (2) or T-50K (2)	C-503 (2)	MTC54L1 (2)	X201R503B (2)
VR9	AGC	50K					

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

TRANSFORMER (Driver)

ITEM No.	TURNS RATIO			REPLACEMENT DATA			NOTES
	PRI.	SEC. 1	SEC. 2	MFGR. PART No.	THORDARSON PART No.	TRIAD PART No.	
T2	2	1		IP T E-19			

TRANSFORMER (Audio Output)

ITEM No.	IMPEDANCE		REPLACEMENT DATA			NOTES
	PRI.	SEC.	MFGR. PART No.	THORDARSON PART No.	TRIAD PART No.	
T1	32	8	OPT E-35			

ROBYN MODEL SX-101

PARTS LIST AND DESCRIPTION (CONTINUED)

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

SPEAKER

ITEM No.	TYPE	REPLACEMENT DATA		NOTES
		MFR. PART No.	QUAM PART No.	
SP	3-5/8" PM, 8 Ohms	SR-92-02		

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	150143	26-2253

CRYSTALS

ITEM No.	CRYSTAL FREQUENCY IN MHz	MFR. PART No.	CTS KNIGHTS PART No.	CHANNEL	ITEM No.	CRYSTAL FREQUENCY IN MHz	MFR. PART No.	CTS KNIGHTS PART No.	CHANNEL
X1	37.600		DA20M37.600	1,2,3,4	X8	10.625		DB90M10.625	2,6,10,14,18,22
X2	37.650		DA20M37.650	5,6,7,8	X9	10.615		DB90M10.615	3,7,11,15,19
X3	37.700		DA20M37.700	9,10,11,12	X10	10.595		DB90M10.595	4,8,12,16,20,23
X4	37.750		DA20M37.750	13,14,15,16	X11	10.180		DC26M10.180	1,5,9,13,17,21
X5	37.800		DA20M37.800	17,18,19,20	X12	10.170		DC26M10.170	2,6,10,14,18,22
X6	37.850		DA20M37.850	21,22,23	X13	10.160		DC26M10.160	3,7,11,15,19
X7	10.635		DB90M10.635	1,5,9,13,17,21	X14	10.140		DC26M10.140	4,8,12,16,20,23

MISCELLANEOUS

ITEM No.	PART NAME	PART No.	NOTES
CFU	Ceramic Filter	CFU455H	IF (455kHz)
M1	Meter	YR-36	
RY4	Relay	MH4P-14	280 Ohm
S2	Switch	SL2-2-3-04	Cal (SWR-S-RF)
S3	Switch	SL2-2-3-04	Delta Tune
S4	Switch	S32CRL-2424	Channel Selector
S5a	Switch	MU-5-5345	Power
b	Switch		PA-CB
c	Switch		Lox-DX
d	Switch		Tone
	Socket	HC-25U	Crystal

ACCESSORIES

ITEM	MFR. PART No.	REMARKS
Microphone	M3	