



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 CR-142

ALIGNMENT INSTRUCTIONS

Suggested Alignment Tools:	GC ELECTRONICS
T3, T4, T5	5000, 8290
ALL Other Tunable Coils and Transformers	9440

REGENCY MODEL CR-142

RECEIVER

Connect an AC VTVM or AF Wattmeter across speaker voice coil.
Adjustments made with 120-volt AC input to power supply.
Adjust volume control to obtain suitable reading.

SIGNAL GENERATOR	GEN FREQ	CHANNEL	ADJUST	REMARKS
High side thru .01uF to base of TR4, low side to ground.	455kHz, 1000Hz @ 30% modulation.	Any	T5, T4, T3	Set generator output to maintain 0.5V across speaker voice coil. Adjust for maximum.
High side thru .01uF to antenna jack, low side to ground.	27.115MHz, 1000Hz @ 30% modulation, output 1uV.	13	T2, T1, L6, L5	Adjust for maximum.

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

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RECEIVER ADJUSTMENTS

Connect an AC VTVM or AF Wattmeter across speaker voice coil.
These adjustments made with 120-volt AC input to power supply.
Adjust volume control to obtain a suitable reading.

SIGNAL GENERATOR	GEN FREQ	CHANNEL	ADJUST	REMARKS
AGC High side thru .01uF to antenna jack, low side to ground.	27.115MHz, 1000Hz @ 30% modulation, output 50,000uV.	13	VR3	Adjust volume control to obtain 0db. Decrease generator to 50uV. Adjust so that signal does not drop more than 6db.
SQUELCH RANGE High side thru .01uF to antenna jack, low side to ground.	27.115MHz, 1000Hz @ 30% modulation, output 500uV.	13	VR5	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	VR2	Adjust for "S"9 reading on panel meter.

TRANSMITTER

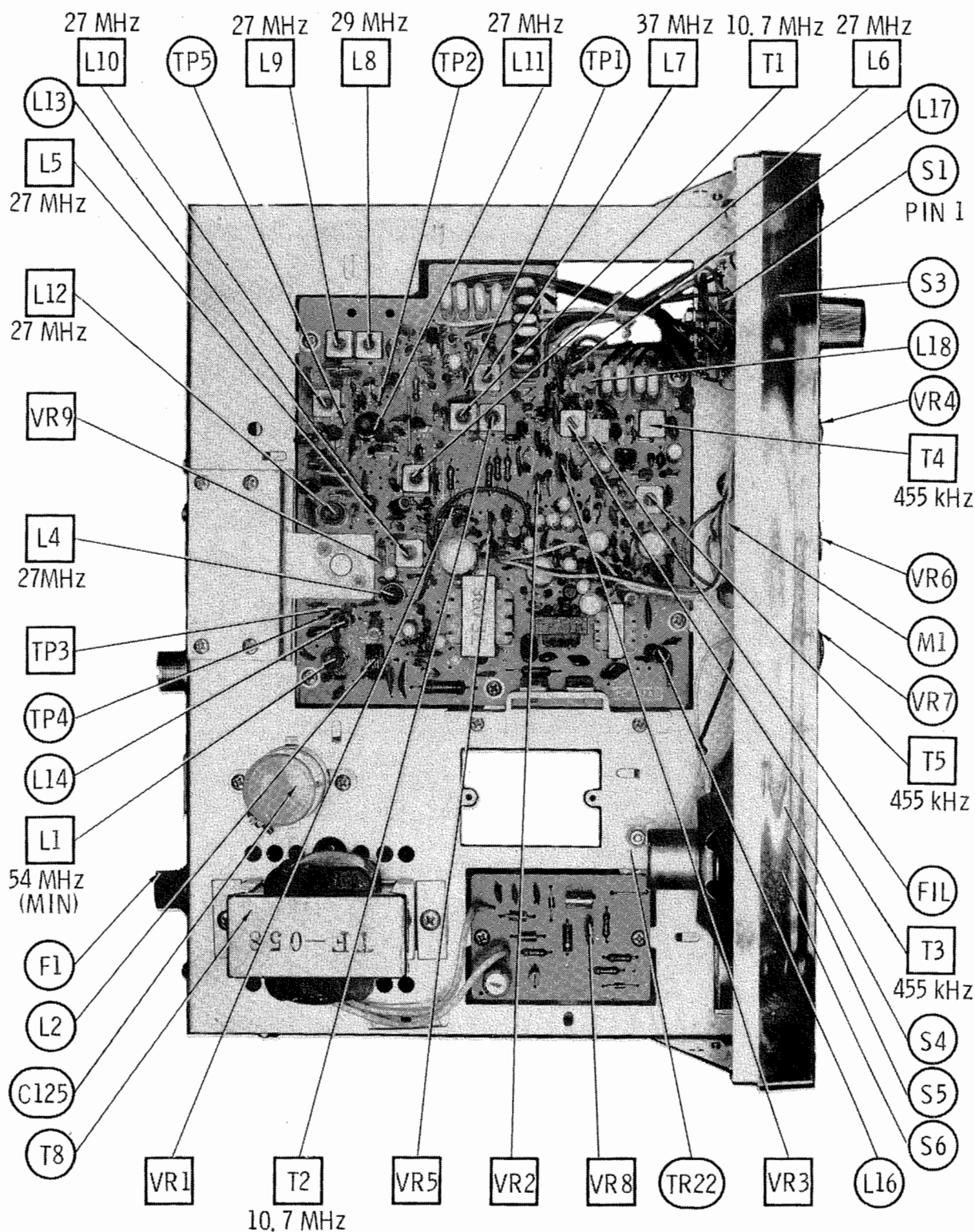
Connect an RF Wattmeter or 50-ohm, 25-watt dummy load to antenna connector.
Adjustments made with 120-volt AC input to power supply.

INDICATOR	ADJUST	REMARKS
OSCILLATOR, MIXER, BUFFER, DRIVER, FINAL RF Wattmeter	L7,L8,L9, L10,L11, L12,L4	Channel selector to CH 13. 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 TP3 and connect 0-1500 DC milliammeter between L14, and D12.	L4	Adjust for 5 watts (max.).

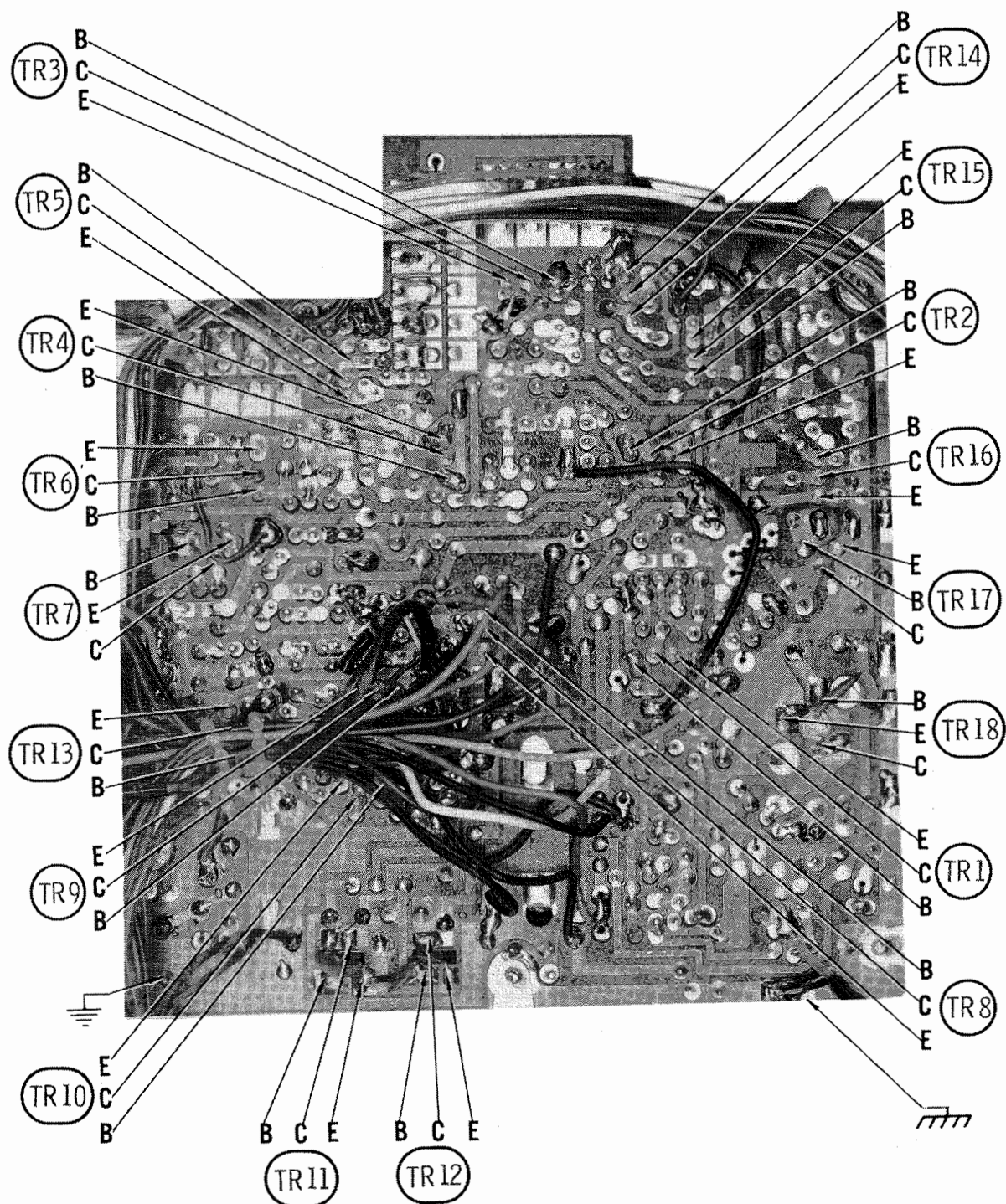
TRANSMITTER ADJUSTMENTS

Connect an RF Wattmeter or 50-ohm, 25-watt dummy load to antenna connector.
Adjustments made with 120-volt AC input to power supply.

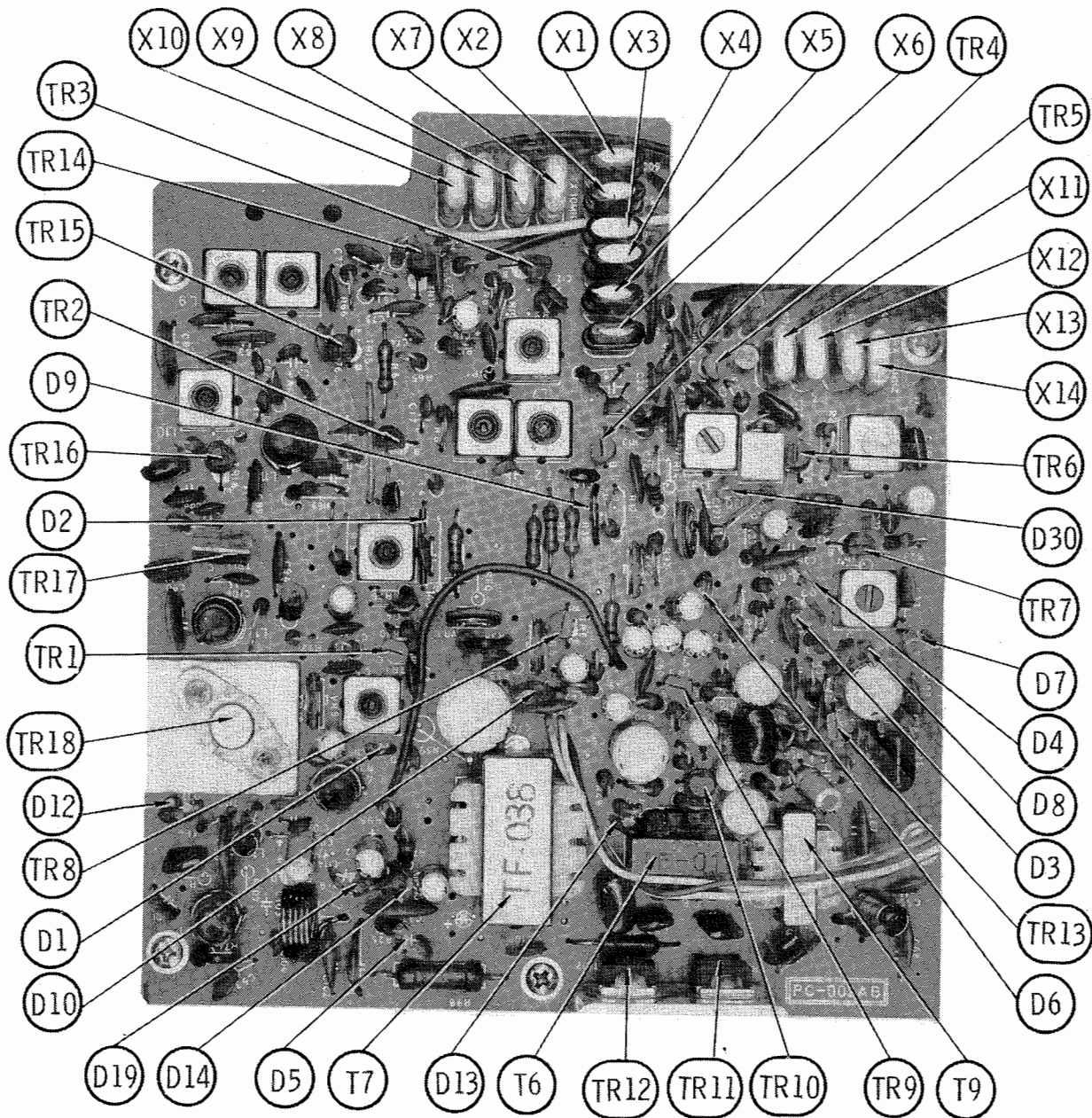
INDICATOR	ADJUST	REMARKS
VOLTAGE REGULATOR DC Voltmeter connected to L16 and ground.	VR8	Adjust for 14V DC at L16. Key transmitter. Voltage should not vary.
PANEL MODULATION METER Oscilloscope or Modulation Indicator connected to antenna jack.	VR9	Inject a 1000Hz audio signal at mic input. Key transmitter. Adjust so that panel meter agrees with scope or indicator.
RF PANEL METER RF Wattmeter	VR1	Key transmitter. Adjust so that panel RF meter agrees with RF wattmeter.



CHASSIS-TOP

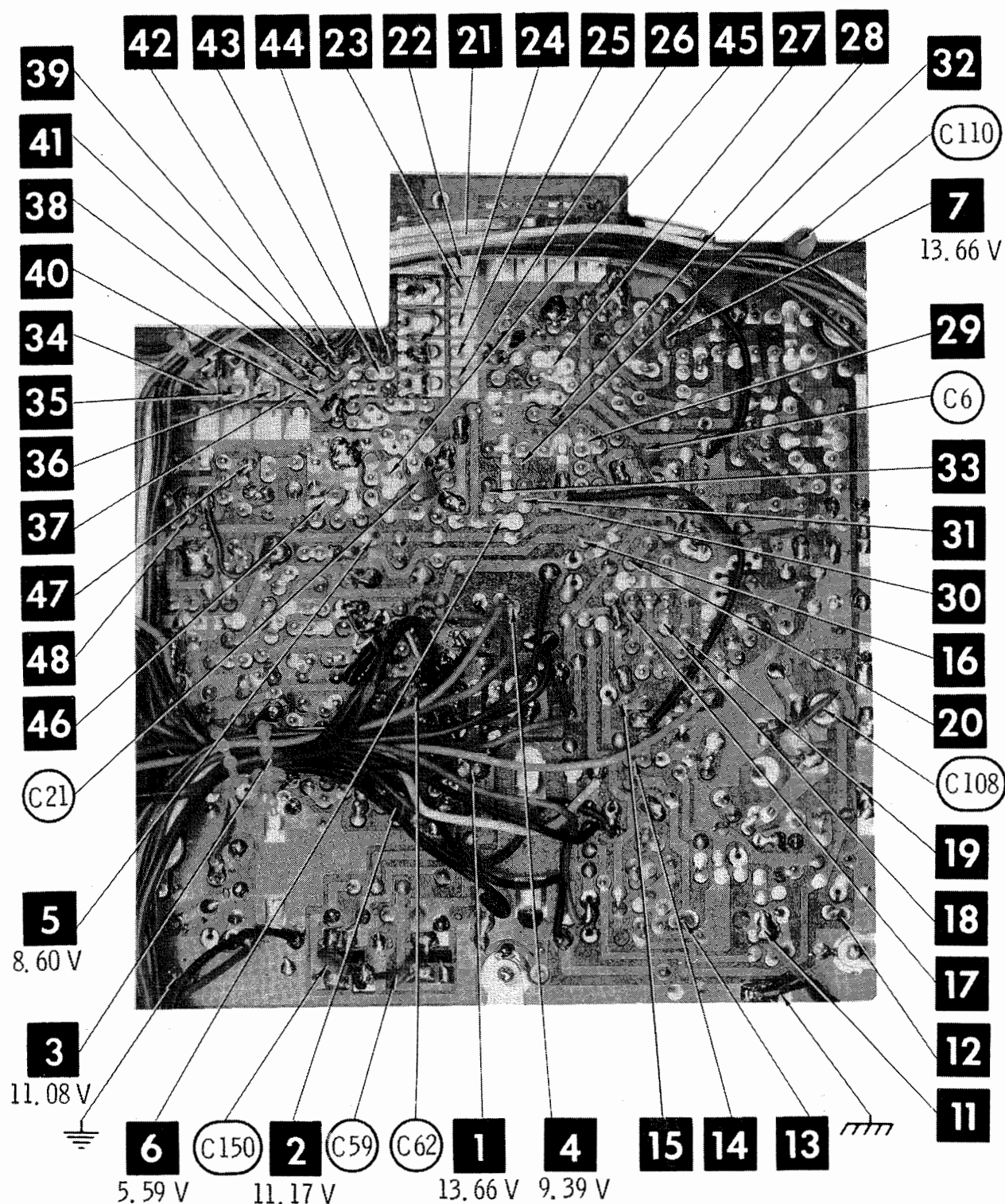


MAIN BOARD

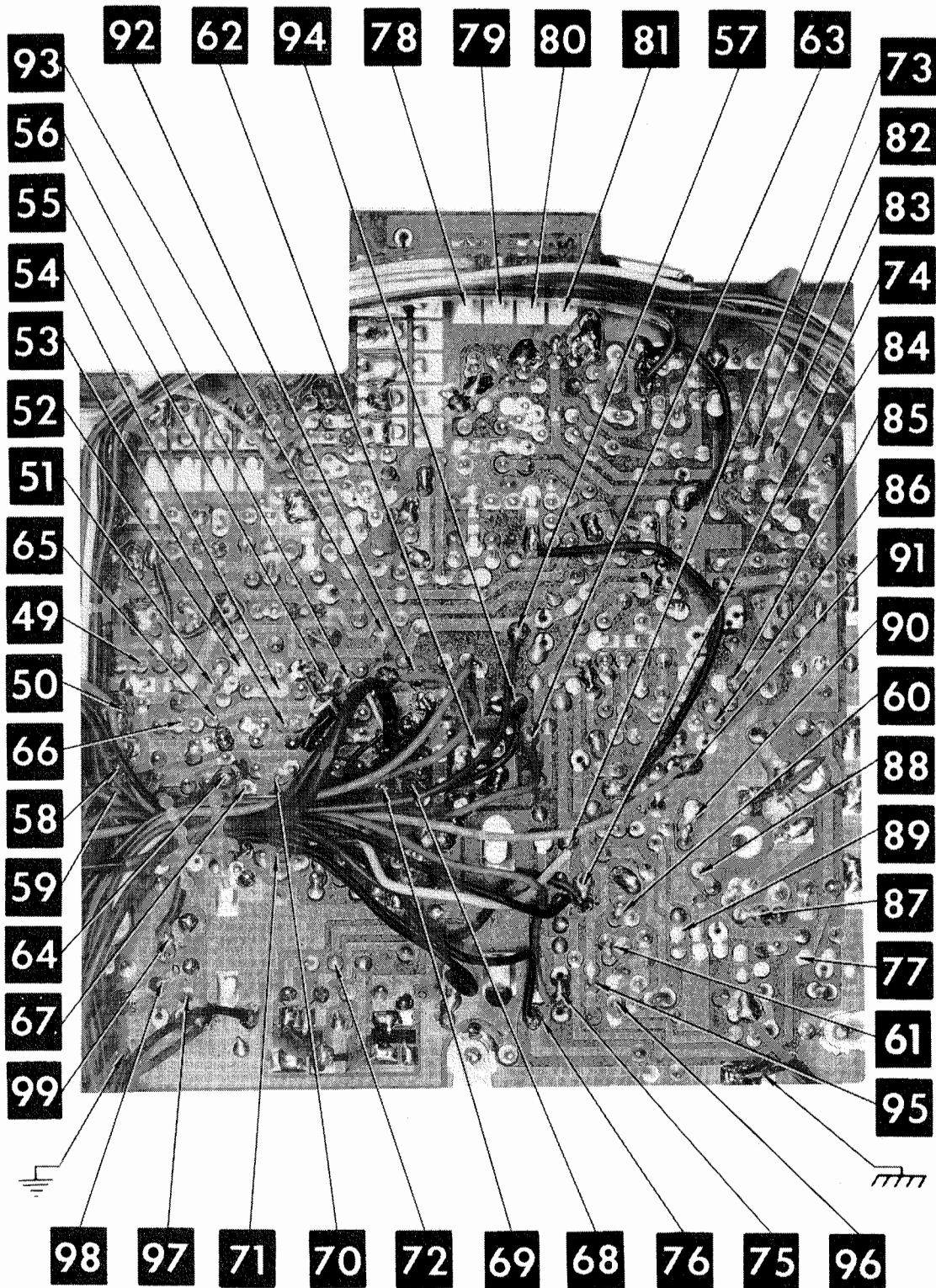


REGENCY MODEL CR-142

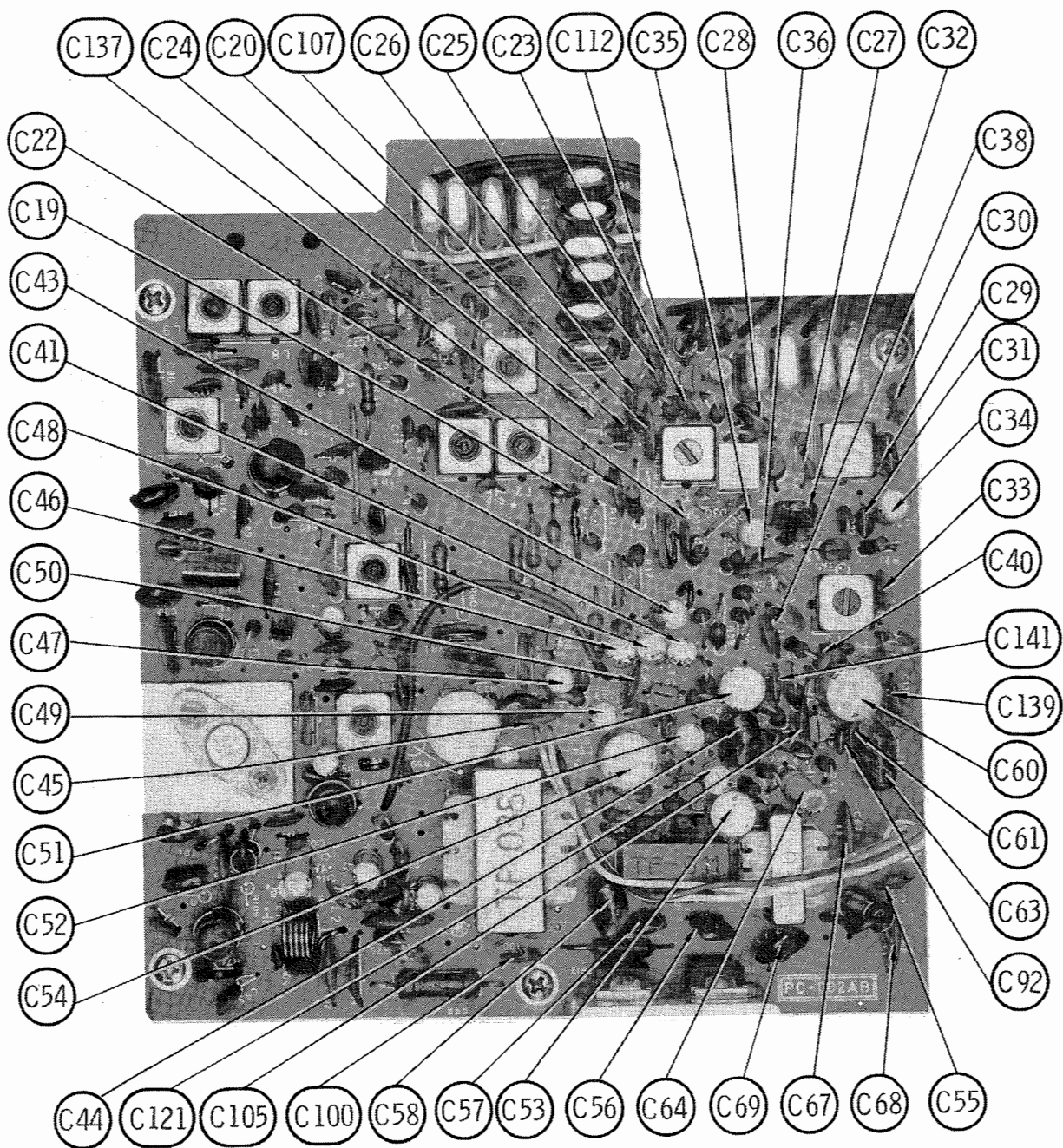
MAIN BOARD



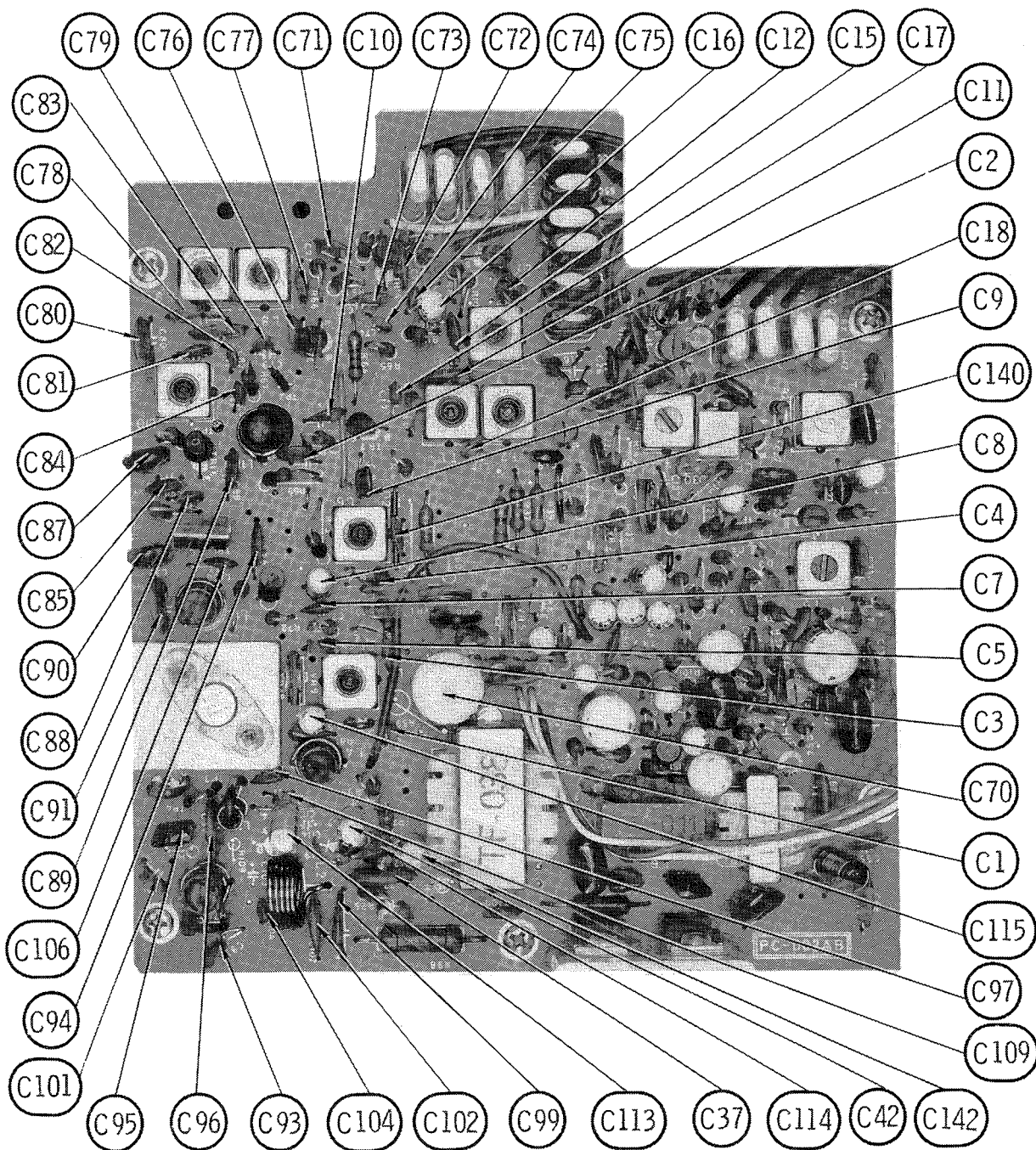
REGENCY MODEL CR-142



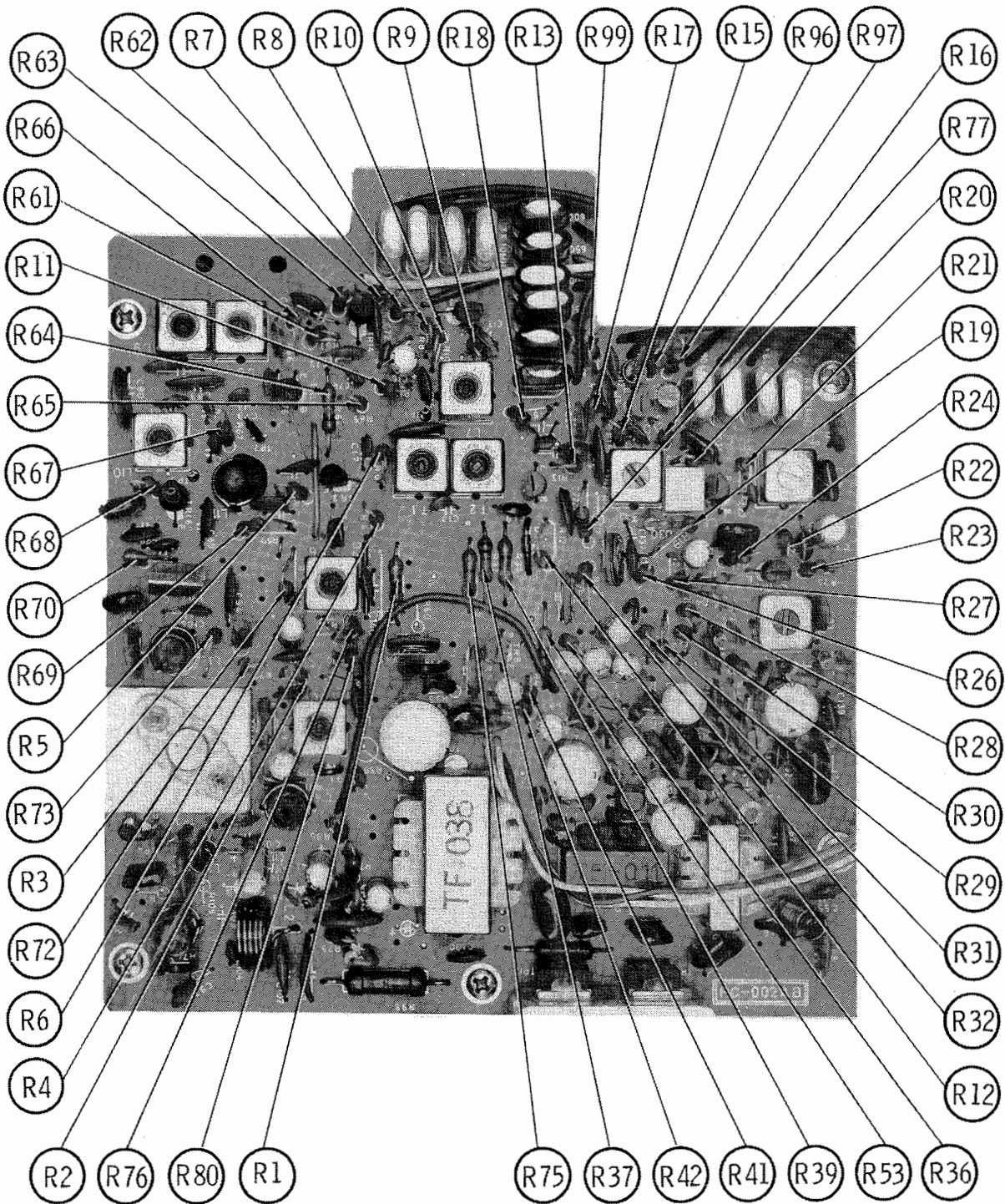
MAIN BOARD



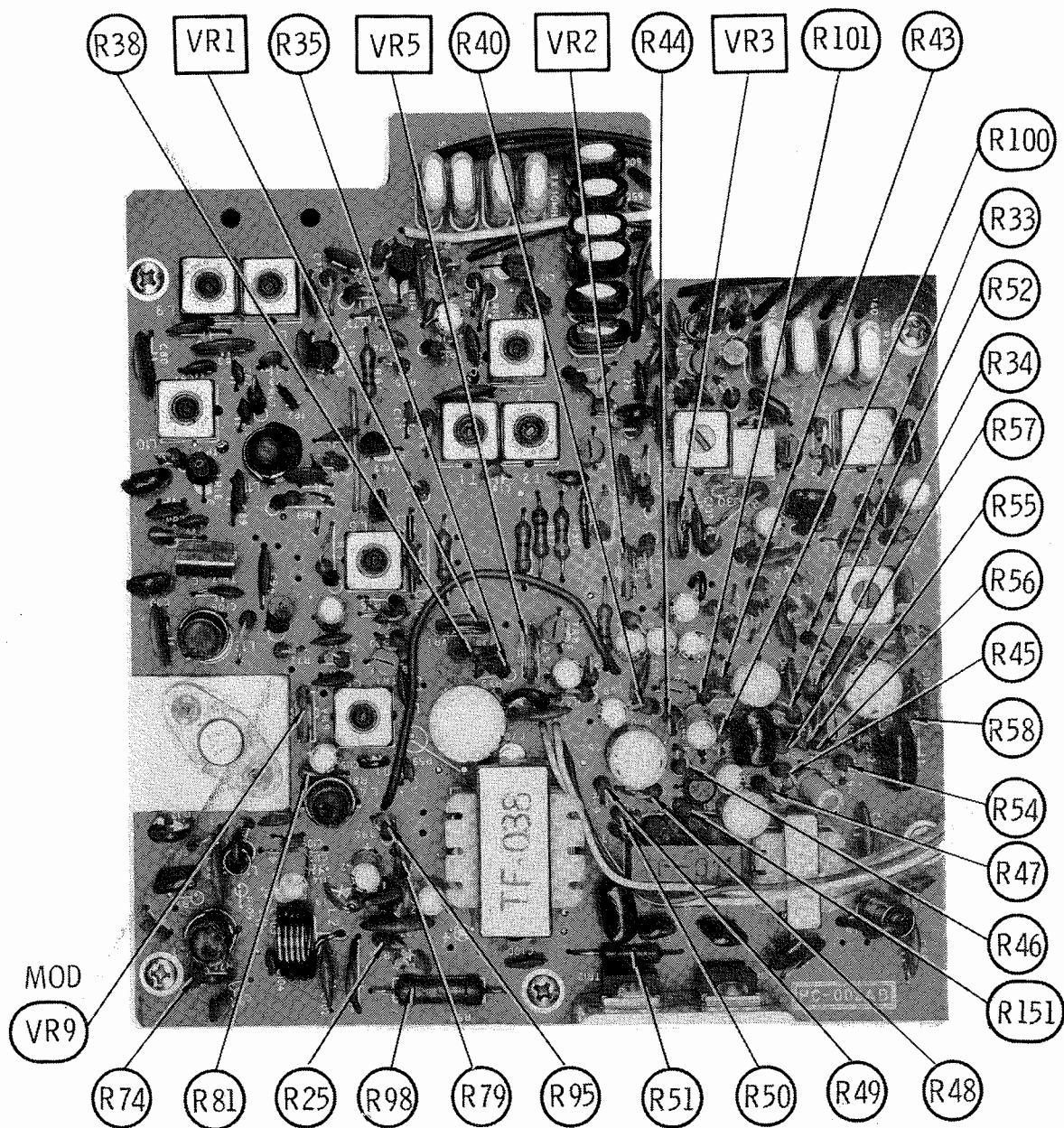
MAIN BOARD



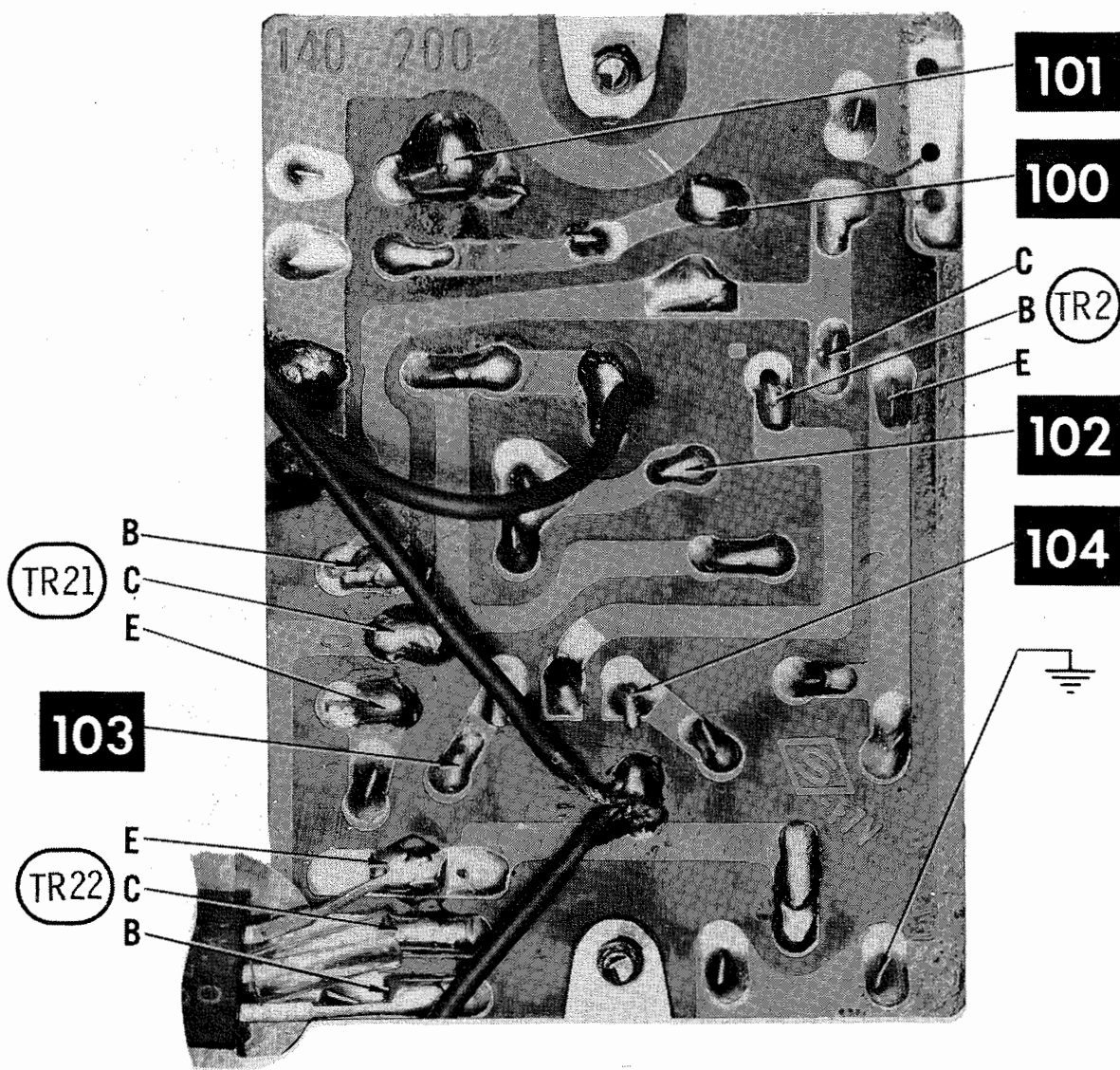
MAIN BOARD



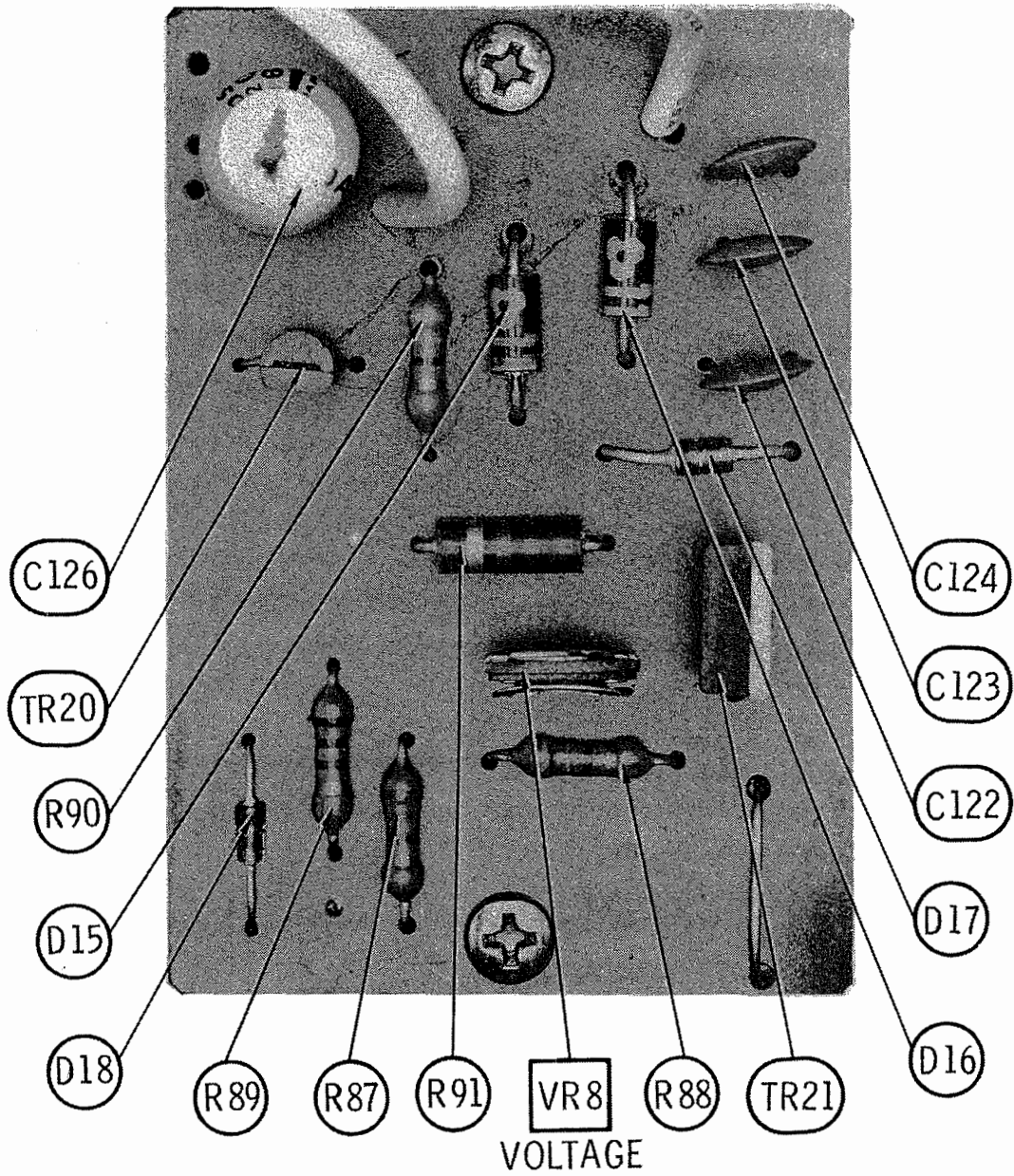
MAIN BOARD



MAIN BOARD

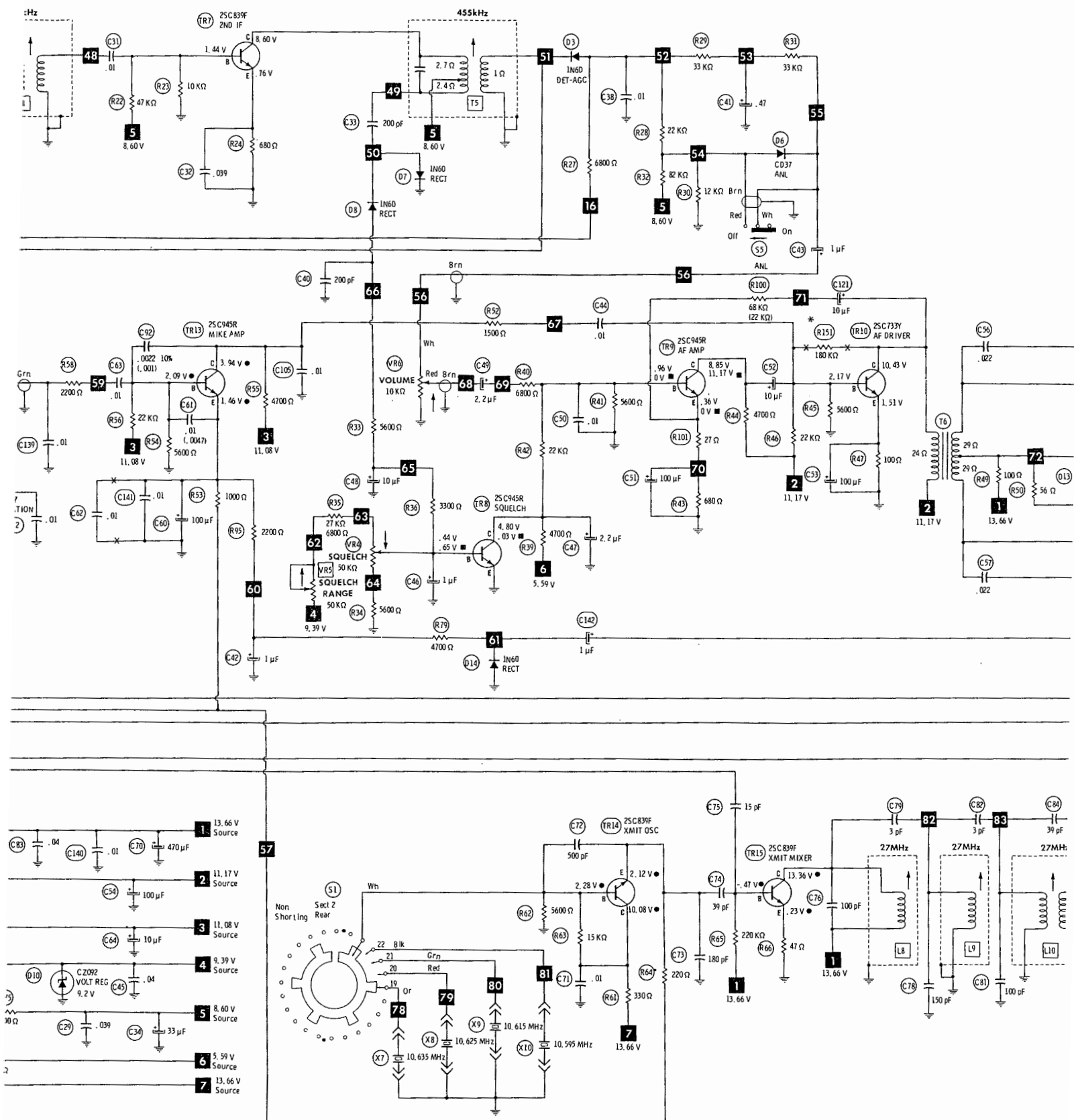


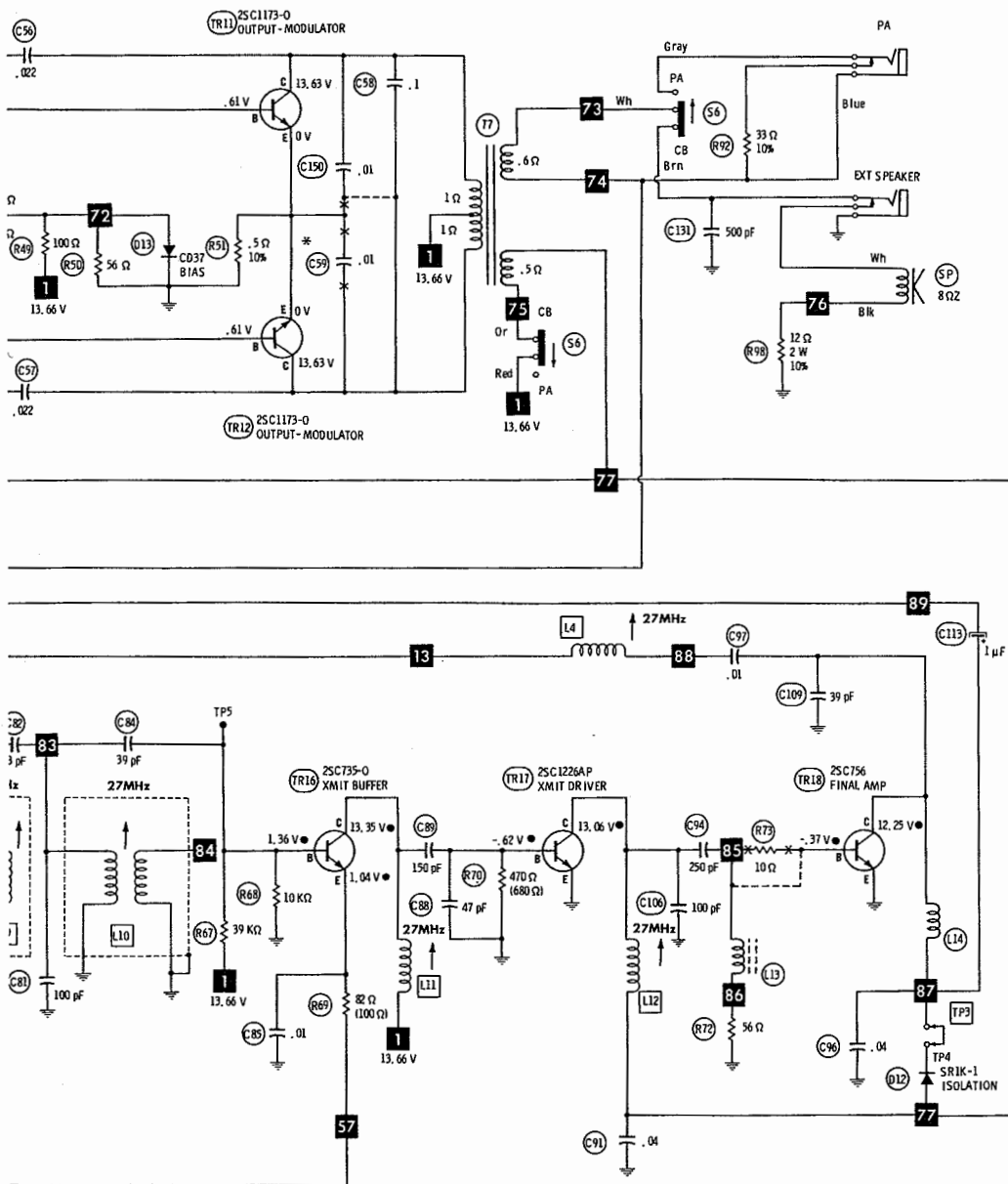
POWER SUPPLY BOARD



POWER SUPPLY BOARD







REGENCY MODEL CR-142

PARTS LIST AND DESCRIPTION

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

PARTS LIST

(When c

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

ELECTRIC

ITEM No.	R
C8	4.7
C16	10 1
C34	33 1
C35	10 1
C41	.47
C42	1 16
C43	1 16
C46	1 16
C47	2.2
C48	10 1
C49	2.2
C51	100
C52	10 1
C53	100
C54	100
C60	100
C64	10 1
C70	470
C113	1 25
C115	1 16
C121	10 1
C125	2200
C126	220
C142	1 16

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	CD37A	142-009	GE-300	D200	PTC214	HEPRO602	RE 52	SK3100	RT-218	ECG177
D2	CD37	142-010	GE-300	D200	PTC214	HEPRO602	RE 52	SK3100	RT-218	ECG177
D3	1N60	142-011	1N60	1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109
D4	1N60	142-011	1N60	1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109
D5	1N60	142-011	1N60	1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109
D6	CD37	142-010	GE-300	D200	PTC214	HEPRO602	RE 52	SK3100	RT-218	ECG177
D7	1N60	142-011	1N60	1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109
D8	1N60	142-011	1N60	1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109
D9	CD37	142-010	GE-300	D200	PTC214	HEPRO602	RE 52	SK3100	RT-218	ECG177
D10	CZ092	142-012	GEZD-9.1	Z1209	PTC505	HEPZ0412	RE 114	SK3060	RT-240	ECG139
9.2V Zener										
D12	SR1K-1	142-013	GE-504A	8D4	PTC201	HEPRO052	RE 49	SK3030	RT-213	ECG116
D13	CD37	142-010	GE-300	D200	PTC214	HEPRO602	RE 52	SK3100	RT-218	ECG177
D14	1N60	142-011	1N60	1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109
D15	SR1K-2	142-014	GE-504A	8D4	PTC201	HEPRO052	RE 49	SK3030	RT-213	ECG116
D16	SR1K-2	142-014	GE-504A	8D4	PTC201	HEPRO052	RE 49	SK3030	RT-213	ECG116
D17	BZ162	142-015	GEZD-15	Z1214	ZB16A	HEPZ0419	RE 122	SK3063	RT-246	ECG5075
16.2V Zener										
D18	WZ071	142-016	GEZD-6.8	Z1206	ZB6.8A	HEPZ0409	RE 110	SK3058	RT-238	ECG5071
7.1V Zener										
D19	1N60	142-011	1N60	1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109
D30	1N60	142-011	1N60	1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109
TR1	2SC839F	142-001	GE-17	TR-24	PTC121	HEPS0015	RE 13	SK3018	RT-107A	ECG123A
TR2	2SC839F	142-001	GE-17	TR-24	PTC121	HEPS0015	RE 13	SK3018	RT-107A	ECG123A
TR3	2SC839F	142-001	GE-17	TR-24	PTC121	HEPS0015	RE 13	SK3018	RT-107A	ECG123A
TR4	2SC839F	142-001	GE-17	TR-24	PTC121	HEPS0015	RE 13	SK3018	RT-107A	ECG123A
TR5	2SC839F	142-001	GE-17	TR-24	PTC121	HEPS0015	RE 13	SK3018	RT-107A	ECG123A
TR6	2SC839F	142-001	GE-17	TR-24	PTC121	HEPS0015	RE 13	SK3018	RT-107A	ECG123A
TR7	2SC839F	142-001	GE-17	TR-24	PTC121	HEPS0015	RE 13	SK3018	RT-107A	ECG123A
TR8	2SC945R	142-002	GE-20	TR-24	PTC136	HEPS0015	RE 13	SK3124	RT-107A	ECG199
TR9	2SC945R	142-002	GE-20	TR-24	PTC136	HEPS0015	RE 13	SK3124	RT-107A	ECG199
TR10	2SC733Y	142-003	GE-20	TR-24	PTC139	HEPS0025	RE 13	SK3122	RT-102	ECG199
TR11	2SC1173-0	142-004(1)	GE-66	TR-55	PTC110	HEPS5000	RE 21	SK3054	RT-154	ECG152
TR12	2SC1173-0	142-004(1)	GE-66	TR-55	PTC110	HEPS5000	RE 21	SK3054	RT-154	ECG152
TR13	2SC945R	142-002	GE-20	TR-24	PTC136	HEPS0015	RE 13	SK3124	RT-107A	ECG199
TR14	2SC839F	142-001	GE-17	TR-24	PTC121	HEPS0015	RE 13	SK3018	RT-107A	ECG123A
TR15	2SC839F	142-001	GE-17	TR-24	PTC121	HEPS0015	RE 13	SK3018	RT-107A	ECG123A
TR16	2SC735-0	142-005	GE-63	TR-55	PTC123	HEPS0014	RE 78	SK3124	RT-107A	ECG289
TR17	2SC1226AP	142-006(1)	GE-28	TR-55	PTC110	HEPS5000	RE 42	SK3054	RT-197	ECG186
TR18	2SC756	142-007(2)	GE-46		PTC158			SK3049	RT-182	ECG282
TR20	2SC945R	142-002	GE-20	TR-24	PTC136	HEPS0015	RE 13	SK3124	RT-107A	ECG199
TR21	2SC1173-0	142-004(1)	GE-66	TR-55	PTC110	HEPS5000	RE 21	SK3054	RT-154	ECG152
TR22	2SD235-0	142-008(3)	GE-66	TR-92	PTC110	HEPS5000	RE 21	SK3054	RT-154	ECG152

- (1) Rating 10 watts @ 3 amps.
(2) Rating 10 watts @ 4 amps.
(3) Rating 1.5 watts @ 3 amps.

CAPACITORS

ITEM No.	
C1	33
C2	.01
C3	.01
C4	3
C5	.01
C6	22
C7	.01
C9	.01
C10	.01
C11	.04
C12	90
C15	.01
C17	10
C18	2
C19	.01
C20	.01
C21	47
C22	500
C23	120
C24	10
C25	500
C26	.01
C27	2

PARTS LIST AND DESCRIPTION (CONTINUED)

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

ELECTROLYTIC CAPACITORS

ITEM No.	RATING	REPLACEMENT DATA					
		MFGR. PART No.	ARCO PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.
C8	4.7 16V		RME-A-J-005	EP30-5	PC5-50	VTT4R7A50	EV-1319
C16	10 16V		RME-B-G-010	EP15-10	PC10-25	VTT10A25	EV-1222
C34	33 16V		ME-4-G-035	EP30-25	PC30-25	VTT33025	EV-1325
C35	10 16V		RME-B-G-010	EP15-10	PC10-25	VTT10A25	EV-1222
C41	.47 50V		RME-B-J-005	EP50-5	PC5-50	VTT4R7A50	EV-1519
C42	1 16V		RME-A-J-001	EP15-1	PC1-50	TT15X1	EV-1315
C43	1 16V		RME-A-J-001	EP15-1	PC1-50	TT15X1	EV-1315
C46	1 16V		RME-A-J-001	EP15-1	PC1-50	TT15X1	EV-1315
C47	2.2 25V		RME-A-J-002	EP30-2	PC2-100	VTT2R2A50	EV-1317
C48	10 16V		RME-B-G-010	EP15-10	PC10-25	VTT10A25	EV-1222
C49	2.2 16V		RME-A-J-002	EP30-2	PC2-100	VTT2R2A50	EV-1317
C51	100 10V		RME-E-E-100	EP15-100	PC100-10	VTT100E10	EV-1130
C52	10 16V		RME-B-G-010	EP15-10	PC10-25	VTT10A25	EV-1222
C53	100 10V		RME-E-E-100	EP15-100	PC100-10	VTT100E10	EV-1130
C54	100 16V		RME-E-E-100	EP15-100	PC100-16	VTT100F16	EV-1230
C60	100 16V		RME-E-E-100	EP15-100	PC100-16	VTT100F16	EV-1230
C64	10 16V		RME-B-G-010	EP15-10	PC10-25	VTT10A25	EV-1222
C70	470 16V		RME-L-E-500	EP15-500	PC500-16	VTT470J16	EV-1250
C113	1 25V		RME-A-J-001	EP30-1	PC1-50	TT25X1	EV-1315
C115	1 16V		RME-A-J-001	EP15-1	PC1-50	TT15X1	EV-1315
C121	10 16V		RME-B-G-010	EP15-10	PC10-25	VTT10A25	EV-1222
C125	2200 25V		ME-G2000		WBR2000-25	TC2520A	TVA-1213.5
C126	220 16V		RME-J-E-250	EP15-250	PC250-25	VTT220G16	EV-1240
C142	1 16V		RME-A-J-001	EP15-1	PC1-50	TT15X1	EV-1315

CAPACITORS

ITEM No.	RATING	MFGR. PART No.	REPLACEMENT DATA				
			ARCO PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.
C1	33		CCT0-330	DTZ-33	NP033	CN0433	10TCC-Q33
C2	.01		CCD-103				10TS-S10
C3	.01		CCD-103				10TS-S10
C4	3		CCT0-3R3	DTZ-3R3	NP03P3	CN0533	10TCC-V33
C5	.01		CCD-103				10TS-S10
C6	22		CCT0-220	DTZ-22	NP022	CN0422	10TCC-Q22
C7	.01		CCD-103				10TS-S10
C9	.01		1MDF-1-103	CPJ-103	DPMS4S1	EWFA1110	1PB-S10
C10	.01		CCD-103				10TS-S10
C11	.04		CCD-403			GP140	5GA-S40
C12	90						
C15	.01		CCD-103				10TS-S10
C17	10		CCT0-100	DTZ-10	NP010	CN0410	10TCC-Q10
C18	2		CCT0-2R2	DTZ-2R2	NP02P2	CN0522	10TCC-V22
C19	.01		1MDF-1-103	CPJ-103	DPMS4S1	EWFA1110	1PB-S10
C20	.01		1MDF-1-103	CPJ-103	DPMS4S1	EWFA1110	1PB-S10
C21	47		CCT0-470	DTZ-47	NP047	CN0447	10TCC-Q47
C22	500 N1200		*			*	
C23	120		CCT0-121	DTZ-120		CN0312	10TCC-T12
C24	10		CCT0-100	DTZ-10	NP010	CN0410	10TCC-Q10
C25	500		CCD-501	DD-501	GP500	GP350	10TS-T50
C26	.01		CCD-103				10TS-S10
C27	2		CCT0-2R2	DTZ-2R2	NP02P2	CN0522	10TCC-V22

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.
C28	.039		6DP-3-393		DPMS6S39	PVC6139	6PS-S39
C29	.039		6DP-3-393		DPMS6S39	PVC6139	6PS-S39
C30	.01		CCD-103				10TS-S10
C31	.01		1MDF-1-103	CPJ-103	DPMS4S1	EWFA1110	1PB-S10
C32	.039		6DP-3-393		DPMS6S39	PVC6139	6PS-S39
C33	200		CCD-201	DD-201	GP200	GP320	10TS-T20
C36	.04		CCD-403			GP140	5GA-S40
C37	.1			DC-104	MGP1	MAG5001	TG-P10
C38	.01		CCD-103				10TS-S10
C40	200		CCD-201	DD-201	GP200	GP320	10TS-T20
C44	.01		1MDF-1-103	CPJ-103	DPMS4S1	EWFA1110	1PB-S10
C45	.04		CCD-403			GP140	5GA-S40
C50	.01		CCD-103				10TS-S10
C55	.01		CCD-103				10TS-S10
C56	.022		1MDF-1-223	CPJ-223	DPMS2S22	EWFA122	1PB-S22
C57	.022		1MDF-1-223	CPJ-223	DPMS2S22	EWFA122	1PB-S22
C58	.1		1MDF-3-104		DPMS2P1	EWFA010	1PB-P10
C59	.01		CCD-103				10TS-S10
C61	.01		CCD-103				10TS-S10
C62	.01		CCD-103				10TS-S10
C63	.01		1MDF-1-103	CPJ-103	DPMS4S1	EWFA1110	1PB-S10
C67	.04		CCD-403			GP140	5GA-S40
C68	.04		CCD-403			GP140	5GA-S40
C69	.039		6DP-3-393		DPMS6S39	PVC6139	6PS-S39
C71	.01		CCD-103				10TS-S10
C72	500		CCD-501	DD-501	GP500	GP350	10TS-T50
C73	180		CCD-181	DD-181		GP318	10TS-T18
C74	39		CCTO-390			CN0439	10TCC-Q39
C75	15		CCTO-150	DTZ-15	NP015	CN0415	10TCC-Q15
C76	100		CCD-101	DD-101	GP100	GP310	10TS-T10
C77	.01		CCD-103				10TS-S10
C78	150		CCD-151	DD-151		CN0315	10TCC-T15
C79	3		CCTO-3R3	DTZ-3R3	NP03P3	CN0533	10TCC-V33
C80	.039		CCD-403			GP140	5GA-S40
C81	100		CCD-101	DD-101	GP100	GP310	10TS-T10
C82	3		CCTO-3R3	DTZ-3R3	NP03P3	CN0533	10TCC-V33
C83	.04		CCD-403			GP140	5GA-S40
C84	39		CCTO-390			CN0439	10TCC-Q39
C85	.01		CCD-103				10TS-S10
C87	.039		6DP-3-393		DPMS6S39	PVC6139	6PS-S39
C88	47		CCTO-470	DTZ-47	NP047	CN0447	10TCC-Q47
C89	150			DTZ-270			10TCC-T27
C90	.039		6DP-3-393		DPMS6S39	PVC6139	6PS-S39
C91	.04		CCD-403			GP140	5GA-S40
C93	100		CCD-101	DD-101	GP100	GP310	10TS-T10
C94	250			DTZ-270			10TCC-T27
C95	.039		6DP-3-393		DPMS6S39	PVC6139	6PS-S39
C96	.04		CCD-403			GP140	5GA-S40
C92	.0022 10%		6DP-1-222	CPR-2200J	DPMS6D22	EWFA222	6PS-D22
C97	.01		CCD-103				10TS-S10
C99	220		CCD-221	DD-221		GP322	10TS-T22
C100	.01		CCD-103				10TS-S10
C101	47		CCTO-470	DTZ-47	NP047	CN0447	10TCC-Q47
C102	.039		CCD-403			GP140	5GA-S40
C104	2		CCTO-2R2	DTZ-2R2	NP02P2	CN0522	10TCC-V22
C105	.01		CCTO-2R2	DTZ-2R2	NP02P2	CN0522	10TCC-V22
C106	100		CCD-101	DD-101	GP100	GP310	10TS-T10
C107	.04		CCD-403			GP140	5GA-S40
C108	.04		CCD-403			GP140	5GA-S40
C109	39		CCTO-390			CN0439	10TCC-Q39
C110	.01		CCD-103				10TS-S10
C112	91		DM10-910J	CPR-91J	CD10FD910J03	SX491	424MC91R0J501
C114	.01		CCD-103				10TS-S10
C118	.01		CCD-103				10TS-S10
C122	.01		CCD-103				10TS-S10
C123	.01		CCD-103				10TS-S10
C124	.01		CCD-103				10TS-S10
C131	500		CCD-501	DD-501	GP500	GP350	10TS-T50
C137	.01		CCD-103				10TS-S10
C139	.01		CCD-103				10TS-S10
C140	.01		CCD-103				10TS-S10
C141	.01		CCD-103				10TS-S10
C150	.01		CCD-103				10TS-S10

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

PARTS LIST AND DESCRIPTION (CONTINUED)

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

CONTROLS (All wattages 1/2 watt, or less, unless listed)

ITEM No.	FUNCTION	RESISTANCE	REPLACEMENT DATA				
			MFGR. PART No.	CENTRALAB PART No.	CLAROSTAT PART No.	MALLORY PART No.	TRW PART No.
VR1	RF Meter	10K	142-018	TSV-10K (2) or T-10K (2)	C-103 (2)	MTC14L1 (2)	X201R103B (2)
VR2	"S"	10K	142-018	TSV-10K (2) or T-10K (2)	C-103 (2)	MTC14L1 (2)	X201R103B (2)
VR3	AGC	30K	142-019	TSV-50K (2) or T-50K (2)	C-503 (2)	MTC54L1 (2)	X201R503B (2)
VR4	Squelch	50K	142-023	F1-50K (1), SSK010	A47-50K-S (1), KSS-3 or [NP-50K-S (1), UP-C-400]	RU54L, SL36 SL3250 or [UA54L (1), SK1000] or U20 (1)	BU1 (1), CF9, SS1, DC1
VR5	Squelch Range	50K	142-020	TSV-50K (2) or T-50K (2)	C-503 (2)	MTC54L1 (2)	X201R503B (2)
VR6	Volume/Switch	10K	142-021	F1-50K (1), SSK010	A47-50K-S (1), KSS-3 or [NP-50K-S (1), UP-C-400]	RU54L, SL36, SL3250 or [UA54L (1), SK1000] or U20 (1)	BU1 (1), CF9, SS1, DC1
VR7	MIC Gain	10K	142-022				
VR8	Voltage Regulator	300	142-017	T-300 (1) or TSV-500	C-501 (1)	MTC32L1 (1)	X201R351B (1)
VR9	Modulation	30K	142-019	TSV-50K (2) or T-50K (2)	C-503 (2)	MTC54L1 (2)	X201R503B (2)

(1) Enlarge mounting hole.

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

REGENCY MODEL CR-142

COILS (RF-IF)

ITEM No.	FUNCTION	REPLACEMENT DATA			REMARKS
		PART No.	OTHER IDENTIFICATION	MILLER PART No.	
L1	TVI Trap (54MHz)	LC-018	TC-71024	74F226AP 4594 74F226AP	
L2	Pi Filter	LE-004	TC-71031		
L4	Antenna (27MHz)	LC-019	TC-71025		
L5	RF Amp Input (27MHz)	LA-029	TKXN-22160BU		
L6	Rec. Mixer Input (27MHz)	LA-041	TKXC-22534BU		
L7	Synth Osc. (37MHz)	LA-042	TKXC-22535BM		
L8	Harmonic Sup (27MHz)	LA-009	TKN-13638HM		
L9	Harmonic Sup (27MHz)	LA-009	TKN-13638HM		
L10	Harmonic Sup (27MHz)	LA-008	KXN-13636BM		
L11	Buffer Out (27MHz)	LC-020	TC-71026		
L12	Driver (27MHz)	LC-017	TC-71023	74F226AP	
L13	RF Choke	LD-012	2R2		
L14	Final Tank		TC-71029		
L15	RF Choke	LD-013	2R2		
L16	RF Choke		TC-71030		
L17	RF Choke	LD-008	NS-1373	74F226AP	
L18	RF Choke		2R2		
T1	10.7MHz IF	LA-043	TKAC-22536IE		
T2	10.7MHz IF	LA-019	TKAC-21165A		
T3	Input IF (455kHz)	LA-073	YLN-20844BM		
T4	Interstage IF (455kHz)	LA-039	YMC-20845AC		
T5	Output IF (455kHz)	LA-040	YMC-20846AC		

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.	
T9	1200mA	.1	1.3mH	TF-017 (1)			(1) Number on unit.

TRANSFORMER (Driver)

ITEM No.	TURNS RATIO			REPLACEMENT DATA			NOTES
	PRI.	SEC. 1	SEC. 2	MFGR. PART No.	THORDARSON PART No.	TRIAD PART No.	
T6	1	1		TF-011 (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.	
T7	50	8	TF-038 (1)			(1) Number on unit.

PARTS LIST AND DESCRIPTION (CONTINUED)

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

TRANSFORMER (Power)

ITEM No.	RATING		REPLACEMENT DATA			NOTES
	PRI.	SEC. 1	MFGR. PART No.	THORDARSON PART No.	TRIAD PART No.	
T8	120V AC @ 410mA AC	43V AC @ 820mA AC	TF-058 (1)			(1) Number on unit.

SPEAKER

ITEM No.	TYPE	REPLACEMENT DATA		NOTES
		MFGR. PART No.	QUAM PART No.	
SP	3" x 5" PM, 8 Ohms	142-046	35A0528	

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 F2	.7 Amp, Fast Acting 2 Amp, Fast Acting	142-056 142-057	142-054 142-055	AGC7/10 AGC2	HKP HDJ	312002	342012A 150145	FG2-2

REGENCY MODEL CR-142

PARTS LIST AND DESCRIPTION (CONTINUED)

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

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	142-032	DA20M37.600	1,2,3,4	X8	10.625	142-030	DB90M10.625	2,6,10,14,18,22
X2	37.650	142-033	DA20M37.650	5,6,7,8	X9	10.615	142-029	DB90M10.615	3,7,11,15,19
X3	37.700	142-034	DA20M37.700	9,10,11,12	X10	10.595	142-028	DB90M10.595	4,8,12,16,20,23
X4	37.750	142-035	DA20M37.750	13,14,15,16	X11	10.180	142-027	DC90M10.180	1,5,9,13,17,21
X5	37.800	142-036	DA20M37.800	17,18,19,20	X12	10.170	142-026	DC90M10.170	2,6,10,14,18,22
X6	37.850	142-037	DA20M37.850	21,22,23	X13	10.160	142-025	DC90M10.160	3,7,11,15,19
X7	10.635	142-031	DB90M10.635	1,5,9,13,17,21	X14	10.140	142-024	DC90M10.140	4,8,12,16,20,23

MISCELLANEOUS

ITEM No.	PART NAME	PART No.	NOTES
FIL	Ceramic Filter	142-040(LF-B6)	455kHz IF
M1	Meter	142-047(MT-008)	"S"/RF
S1	Switch	142-045(SR-046)	Channel Selector
S3	Switch		Delta Tune
S4	Switch	142-044(SW-023)	RF/MOD
S5	Switch	142-044(SW-023)	ANL (On-Off)
S6	Switch	142-042	PA/CB
	Socket	142-041	Crystal
	Printed Circuit Board	142-038	Main (PC-002AB)
	Printed Circuit Board	142-039	Power (140-200)

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

ITEM	PART No.	ITEM	PART No.
Cabinet	142-063	Knob, Channel	142-069
Chassis	142-062	Knob, Volume	142-070
Front Panel	142-068	Channel Knob Plate	142-073

ACCESSORIES

ITEM	MFGR. PART No.	REMARKS
Microphone	142-059	22-115-45
AC Power Cord	142-058	(SPT-1)
DC Power Cord	142-061	