

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 13-857

ALIGNMENT INSTRUCTIONS

Suggested Alignment Tools: GC ELECTRONICS
L12 thru L165000, 8290
L7 thru L99300
L1 thru L6, L10, L119440

MIDLAND MODEL 13-857

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 Q21, low side to ground.	455kHz, 1-00Hz @ 30% modulation.	Any	L14,L15, L16	Set generator output low enough to prevent AGC limiting. Adjust for maximum.
High side thru .01uF to antenna jack, low side to ground.	27.115MHz, 1000Hz @ 30% modulation.	CH13	L10,L11, L12,L13	Set generator output low enough to prevent AGC limiting. Adjust for maximum.

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

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6CY338

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 200uV.	13	RV1	Set squelch control fully clockwise. Adjust so that squelch just breaks.
S METER	27.115MHz 1000Hz @ 30% modulation output 100uV.	13	RV3	Set S meter for a 9 reading.

TRANSMITTER

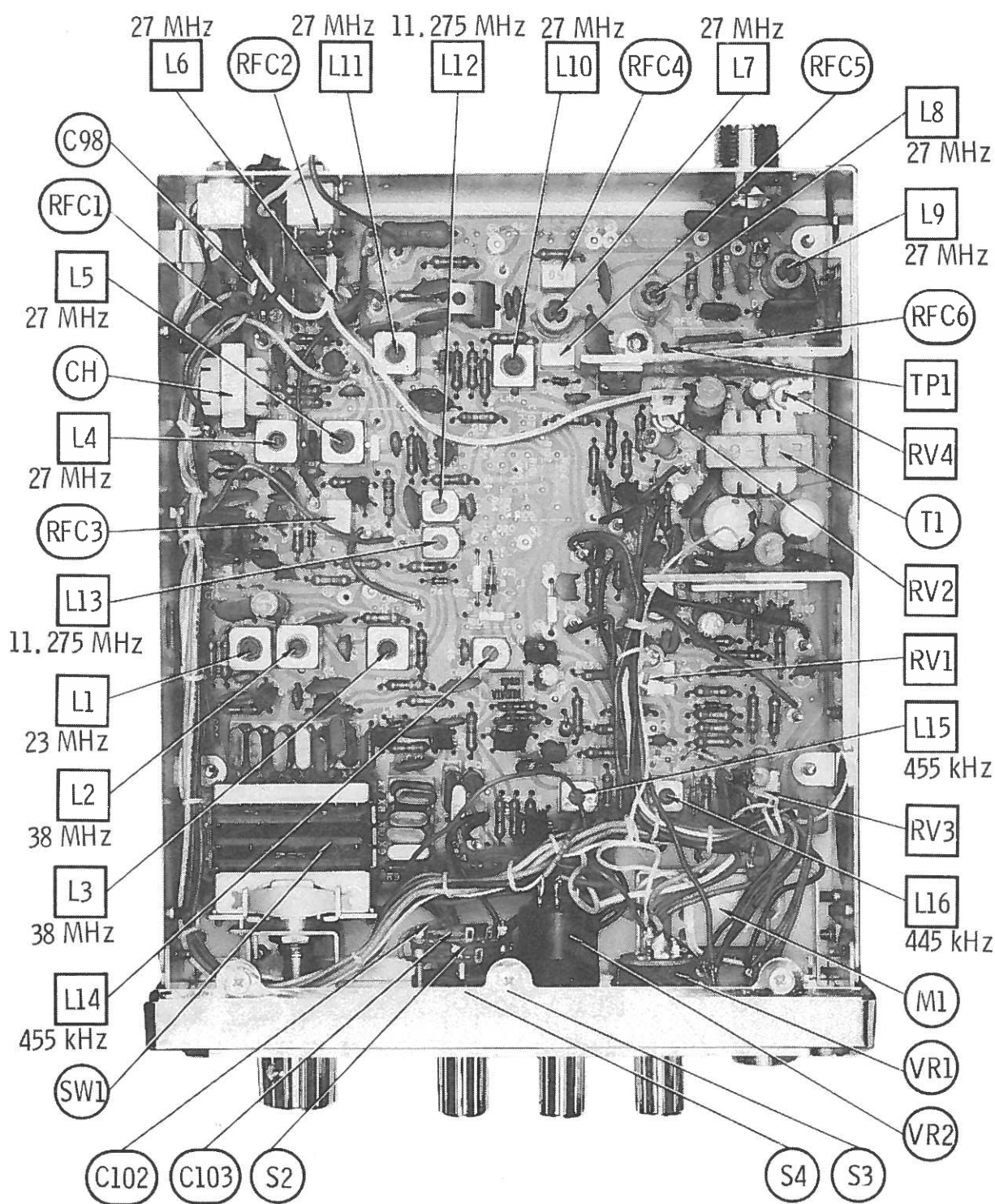
Connect an RF Wattmeter or 50-ohm, 25-watt dummy load to antenna connector.
 Adjustments made with 14-volt DC input.

INDICATOR	ADJUST	REMARKS
OSCILLATOR, MIXER, BUFFER, DRIVER, FINAL RF Wattmeter	L1, L2, L3, L4, L5, L6, L7, L8, L9	Channel selector to Ch. 13. Key transmitter. Adjust for maximum.
FINAL INPUT POWER Remove jumper at TP1 and connect 0-1500DC milliammeter.	L9	Adjust for 5 watts. Current in final should not exceed 950mA.

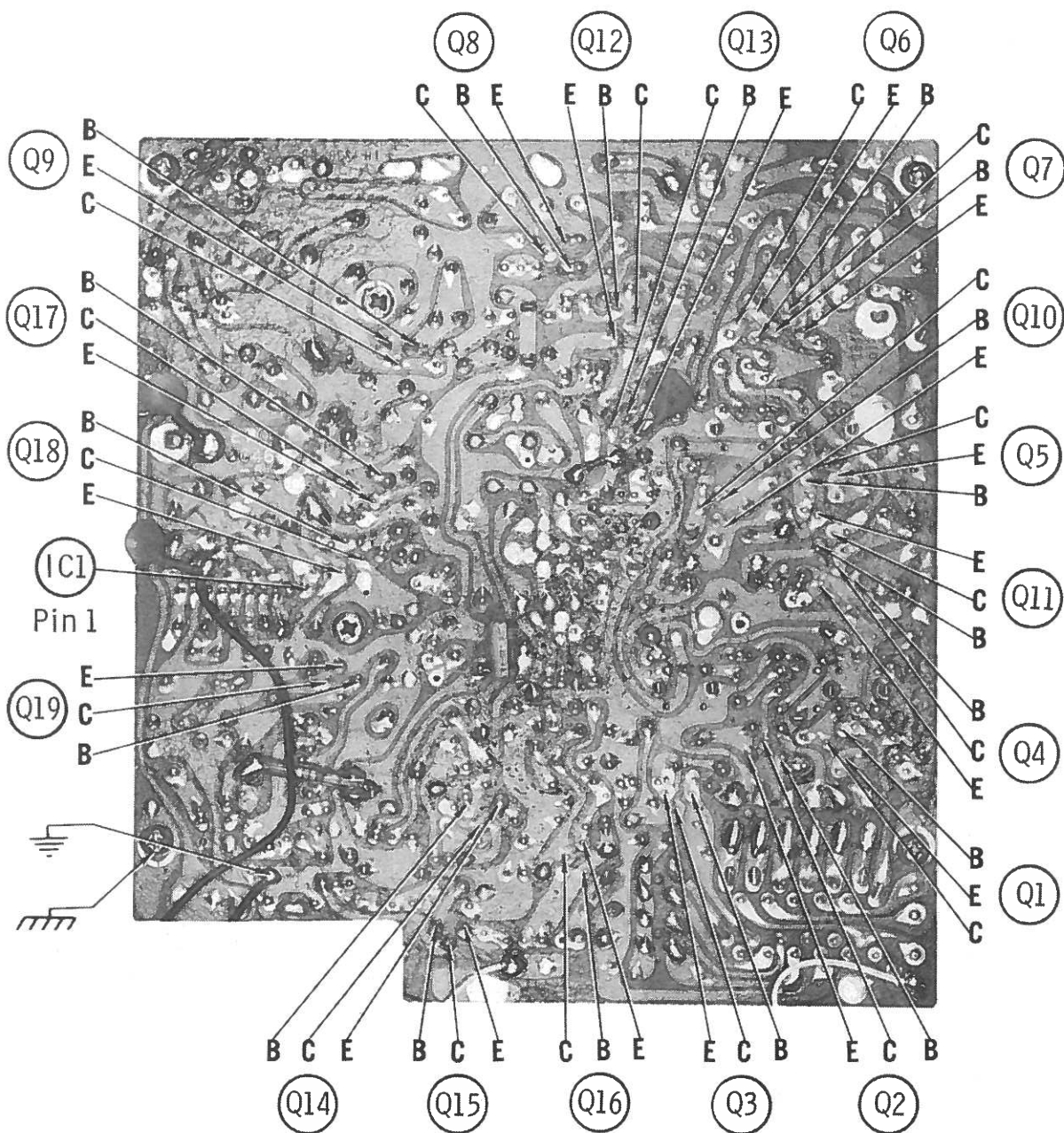
TRANSMITTER ADJUSTMENTS

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

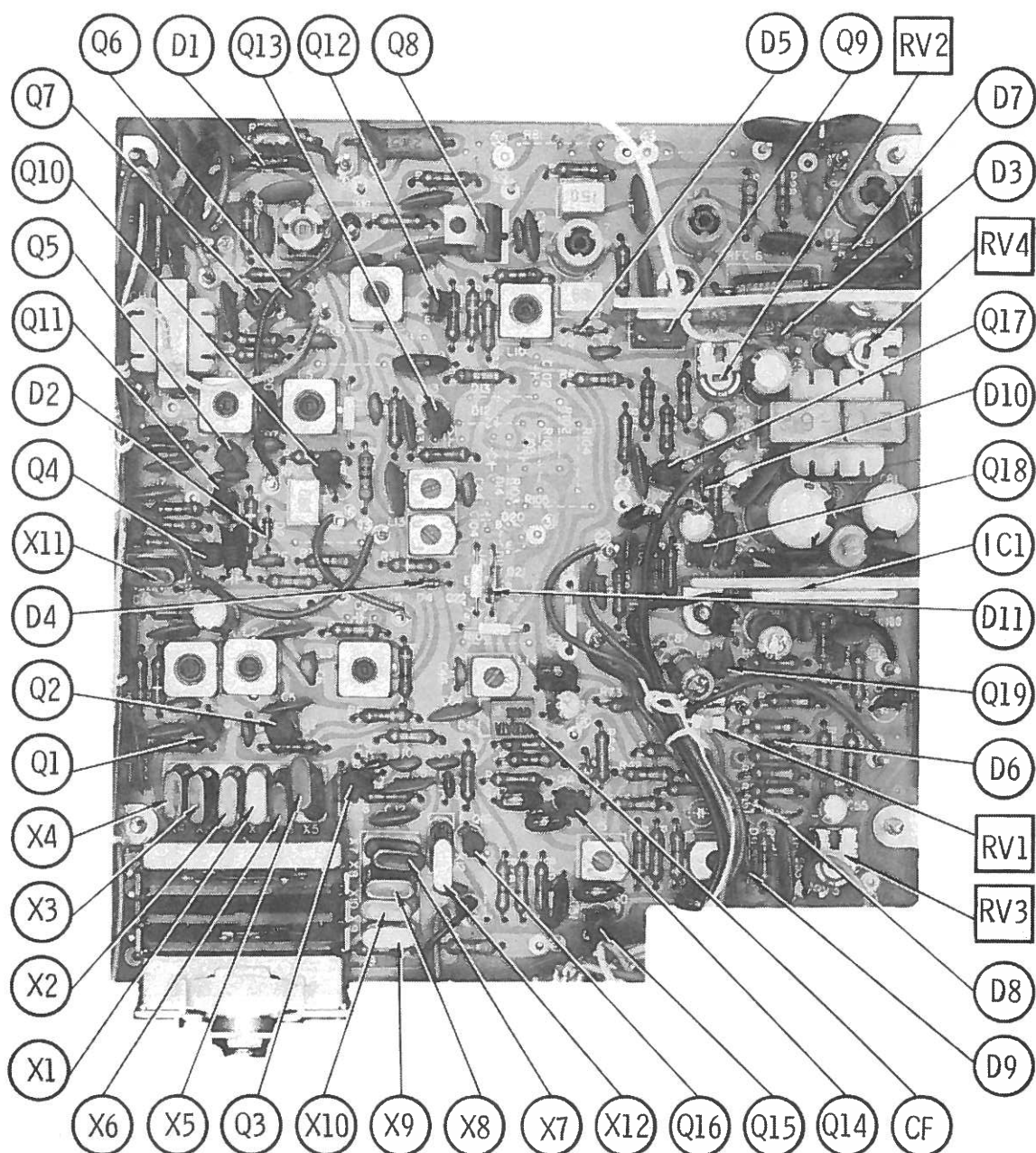
INDICATOR	ADJUST	REMARKS
AMC Modulation Meter connected to antenna jack.	RV2	Inject a 1000Hz 20mV audio signal at mic input. Key transmitter. Adjust for 90% modulation maximum.
RF PANEL METER RF Wattmeter	RV4	Key transmitter. Adjust so that panel RF meter agrees with RF wattmeter.



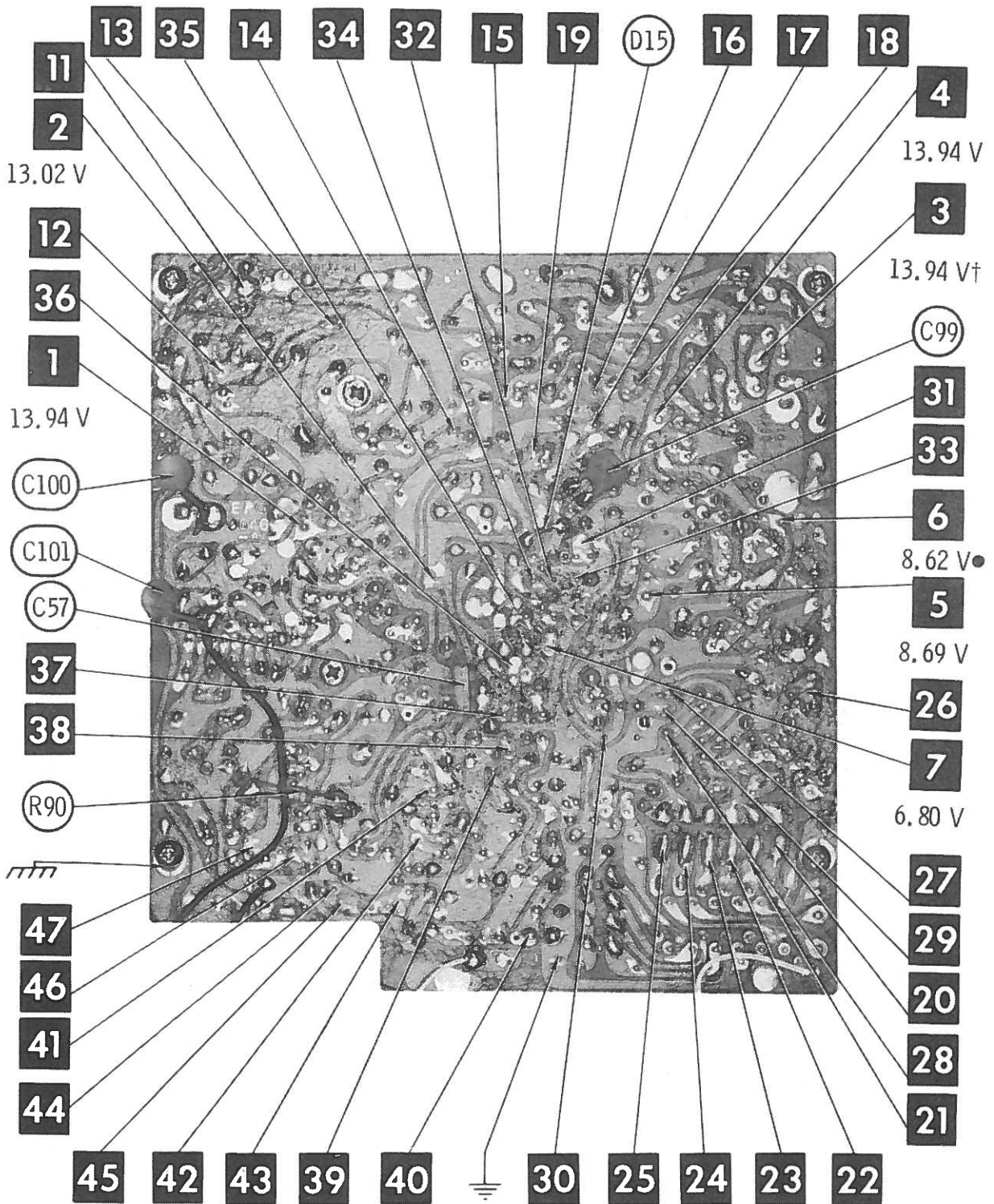
CHASSIS - BOTTOM



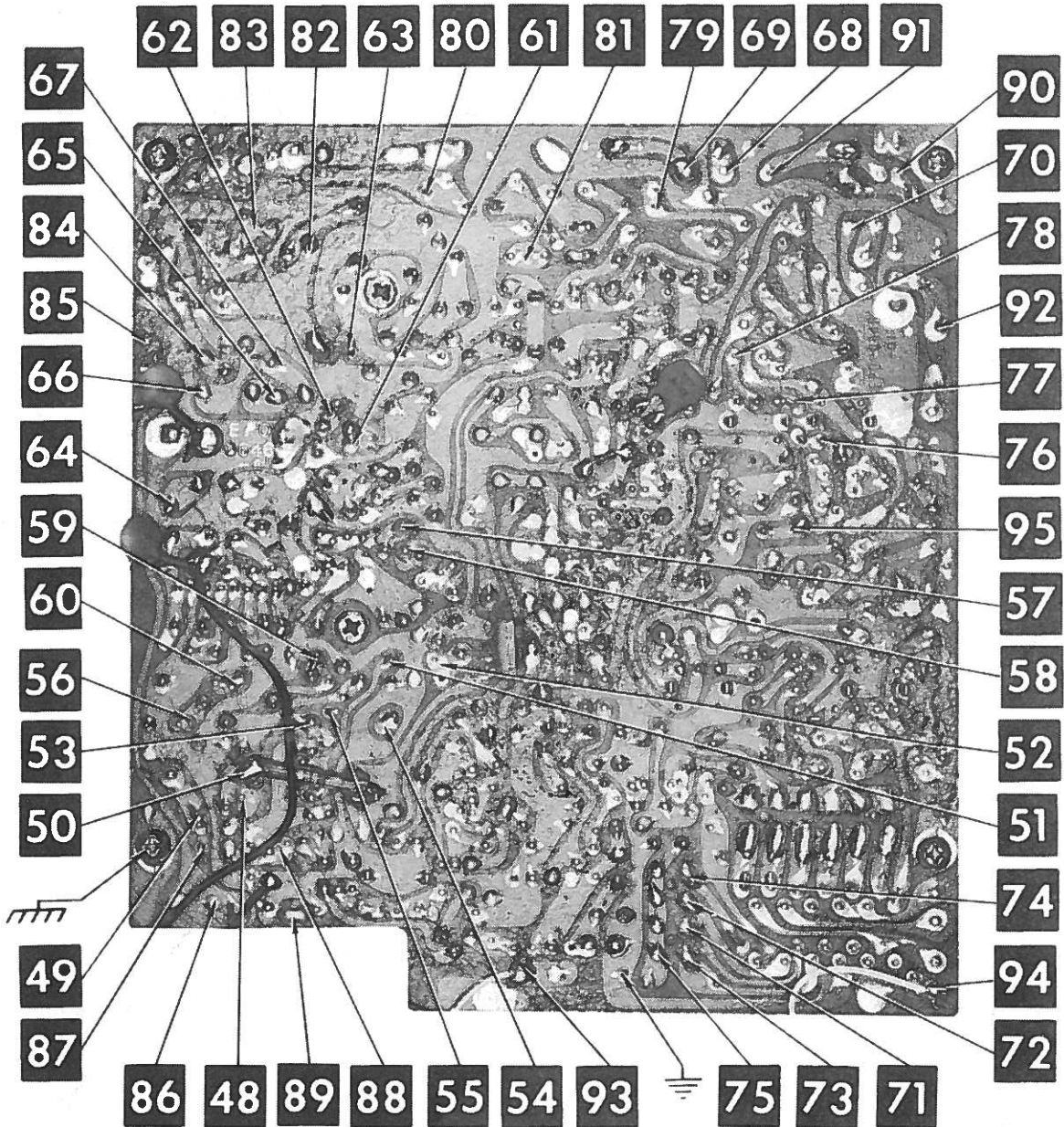
MAIN BOARD



MAIN BOARD

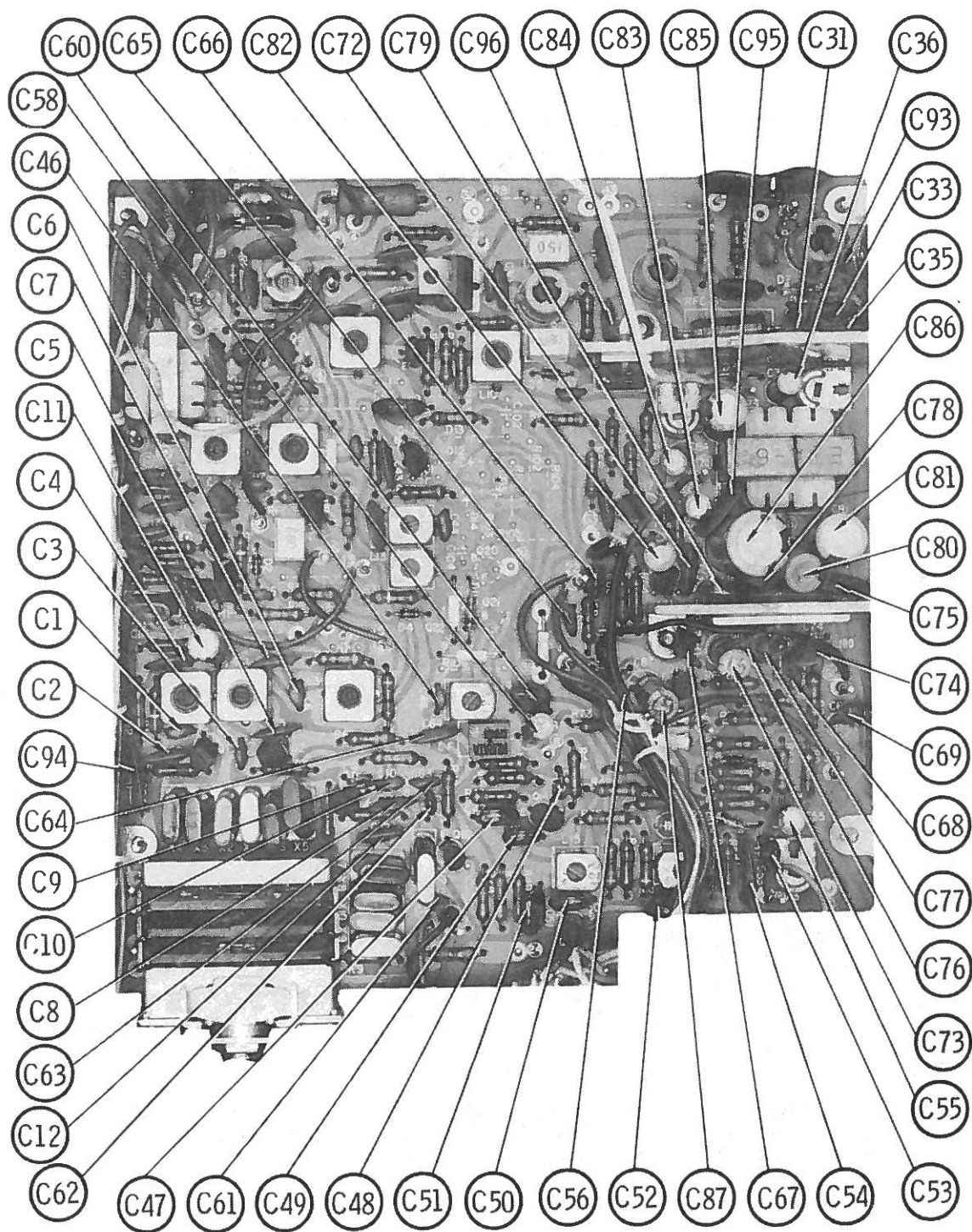


MAIN BOARD

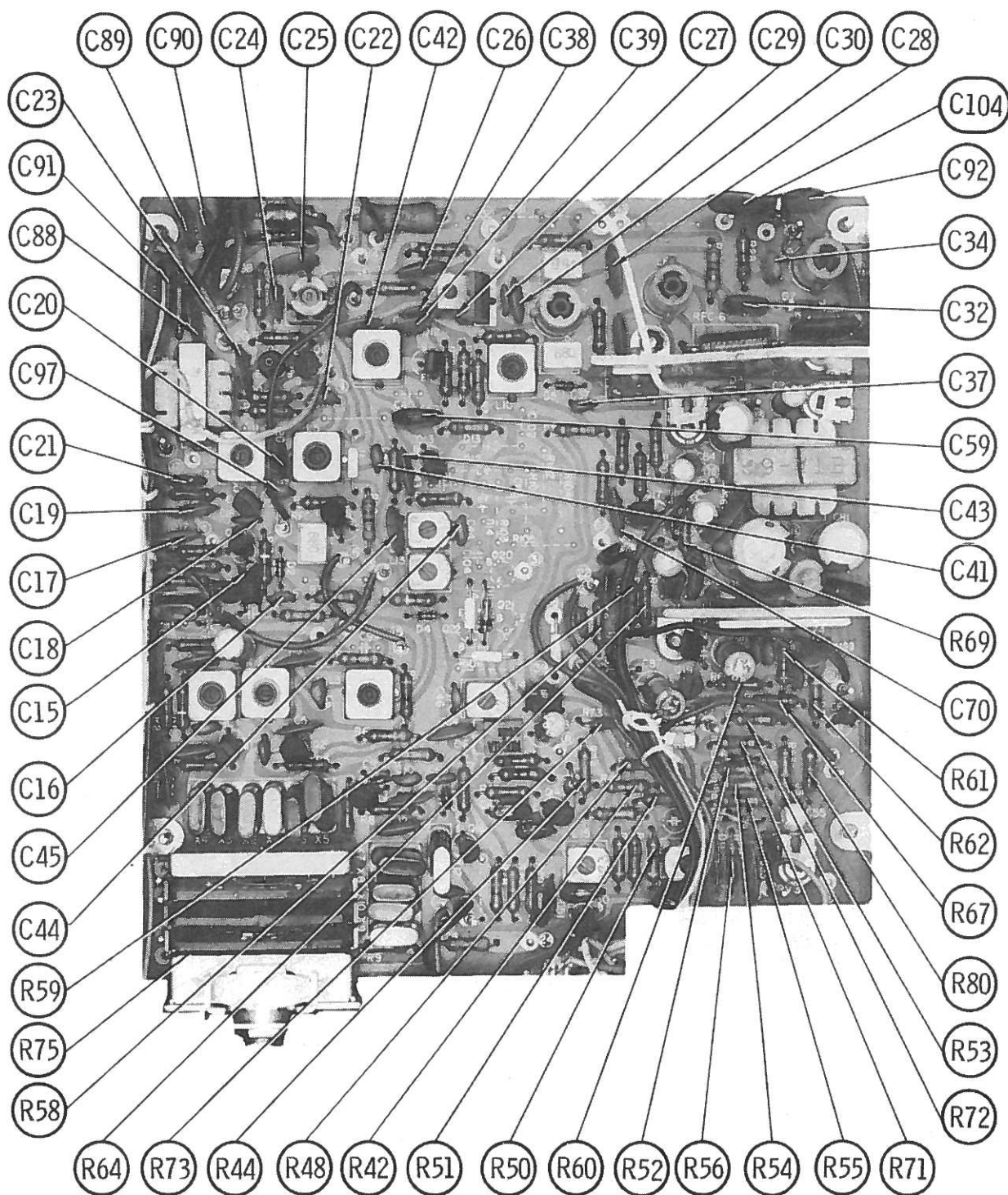


MIDLAND MODEL 13-857

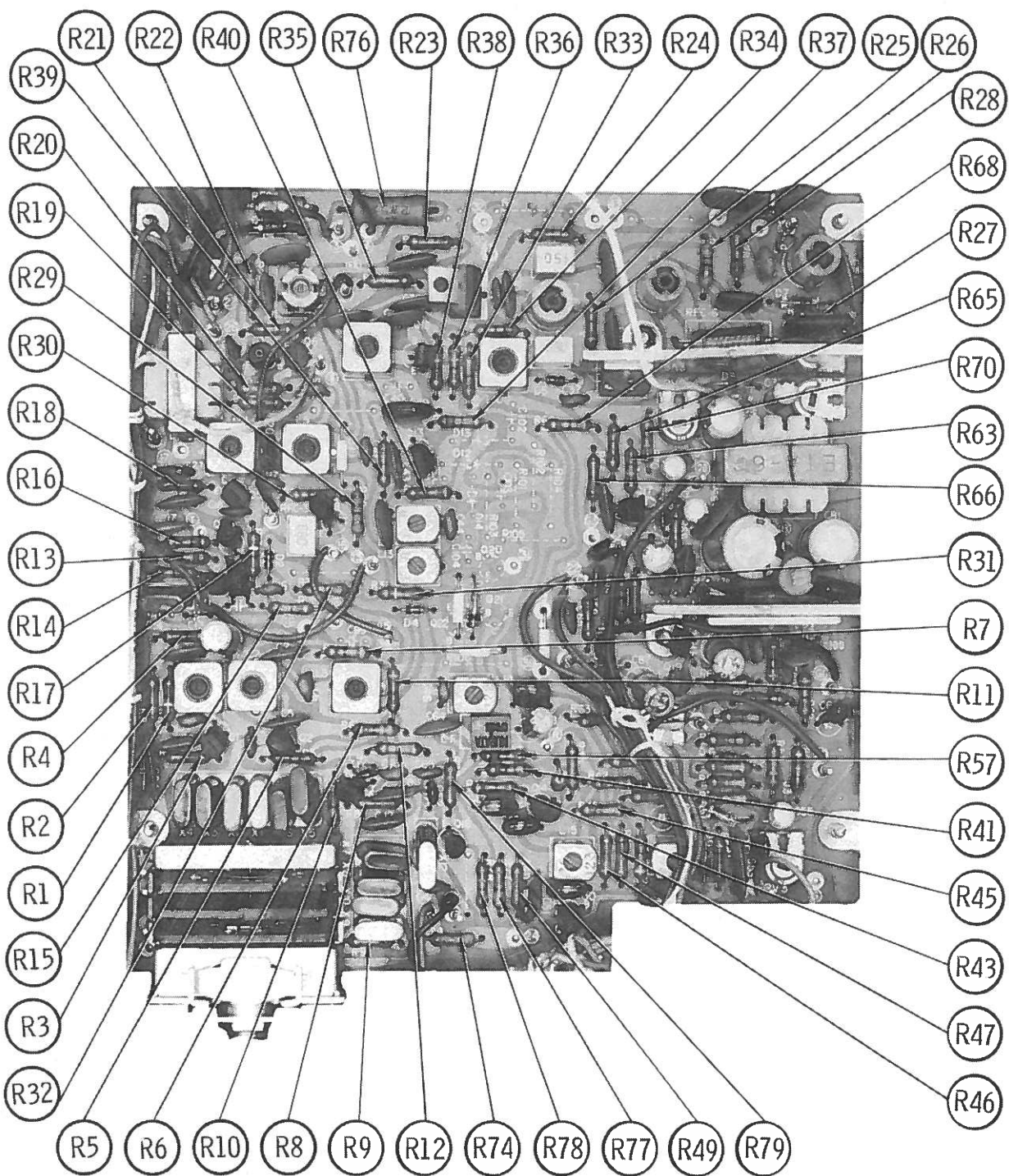
MAIN BOARD



MAIN BOARD



MAIN BOARD



MAIN BOARD

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.
D1	10D1	Zener)	GE-504A	PTC201	HEPR0052	RE 49	SK3030	RT-213	ECG116
D2	SR1K-4		GE-504A	PTC201	HEPR0052	RE 49	SK3030	RT-213	ECG116
	RD9.1E		GEZD-9.1	ZB9.1B	HEPZ0412	RE 114	SK3060	RT-240	ECG139
D3	V06C		GE-504A	PTC201	HEPR0052	RE 49	SK3030	RT-210	ECG116
D4	1S1555		GE-300	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177
D5	1S1555		GE-300	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177
D6	1S1555		GE-300	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177
D7	1N60		1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109
D8	1N60		1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109
D9	1N60		1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109
D10	1N60		1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109
D11	1N60		1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109
D15	1S1555		GE-300	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177
IC1	TA7205P								ECG1155
Q1	2SC839F		GE-61	PTC121	HEPS0015	RE 13	SK3018	RT-107A	ECG123A
Q2	2SC710C		GE-20	PTC121	HEPS0016	RE 13	SK3018	RT-105	ECG123A
	2SC829(1)		GE-20	PTC132	HEPS0011	RE 9	SK3018	RT-105	ECG229
	2SC839(1)		GE-61	PTC121	HEPS0015	RE 13	SK3018	RT-107A	ECG123A
Q3	2SC839F		GE-61	PTC121	HEPS0015	RE 13	SK3018	RT-107A	ECG123A
Q4	2SC839F		GE-61	PTC121	HEPS0015	RE 13	SK3018	RT-107A	ECG123A
Q5	2SC710C		GE-20	PTC121	HEPS0016	RE 13	SK3018	RT-105	ECG123A
	2SC829(1)		GE-20	PTC132	HEPS0011	RE 9	SK3018	RT-105	ECG229
	2SC839(1)		GE-61	PTC121	HEPS0015	RE 13	SK3018	RT-107A	ECG123A
Q6	2SC710C		GE-20	PTC121	HEPS0016	RE 13	SK3018	RT-105	ECG123A
	2SC839(1)		GE-61	PTC121	HEPS0015	RE 13	SK3018	RT-107A	ECG123A
Q7	2SC735-0		GE-210	PTC123	HEPS0015	RE 13	SK3122	RT-107A	ECG123A
Q8	2SC1760			PTC180					ECG289
Q9	2SC1306I(10)		GE-215	PTC186		RE 203			ECG306
	2SC1816(1)(11)		GE-215	PTC186		RE 203			ECG235
Q10	2SC1318Q		GE-210	PTC123	HEPS0015	RE 17	SK3122	RT-114	ECG297
Q11	2SA719Q		GE-21	PTC103	HEPS0019	RE 26	SK3114	RT-126A	ECG159
Q12	2SC460B		GE-210	PTC136	HEPS0014	RE 9	SK3018	RT-187	ECG233
	2SC710(1)		GE-20	PTC121	HEPS0016	RE 13	SK3018	RT-105	ECG123A
Q13	2SC710C		GE-20	PTC121	HEPS0016	RE 13	SK3018	RT-105	ECG123A
	2SC839(1)		GE-61	PTC121	HEPS0015	RE 13	SK3018	RT-107A	ECG123A
Q14	2SC710C		GE-20	PTC121	HEPS0016	RE 13	SK3018	RT-105	ECG123A
	2SC829(1)		GE-20	PTC132	HEPS0011	RE 9	SK3018	RT-105	ECG229
	2SC839 (1)		GE-61	PTC121	HEPS0015	RE 13	SK3018	RT-107A	ECG123A
Q15	2SC710C		GE-20	PTC121	HEPS0016	RE 13	SK3018	RT-105	ECG123A
	2SC829(1)		GE-20	PTC132	HEPS0011	RE 9	SK3018	RT-105	ECG229
	2SC839(1)		GE-61	PTC121	HEPS0015	RE 13	SK3018	RT-107A	ECG123A
Q16	2SC839F		GE-61	PTC121	HEPS0015	RE 13	SK3018	RT-107A	ECG123A
Q17	2SC945R		GE-210	PTC121	HEPS0015	RE 192	SK3124	RT-107A	ECG199
	2SC828(1)		GE-61	PTC132	HEPS0015	RE 192	SK3122	RT-172	ECG199
Q18	2SC945AQ		GE-210	PTC121	HEPS0015	RE 192	SK3124	RT-107A	ECG199
	2SC828(1)		GE-61	PTC132	HEPS0015	RE 192	SK3122	RT-172	ECG199
Q19	2SC945AQ		GE-210	PTC121	HEPS0015	RE 192	SK3124	RT-107A	ECG199
	2SC828(1)		GE-61	PTC132	HEPS0015	RE 192	SK3122	RT-172	ECG199

(1) Used in some versions.

(10) Rating, 12 watts @ 3.0 amps.

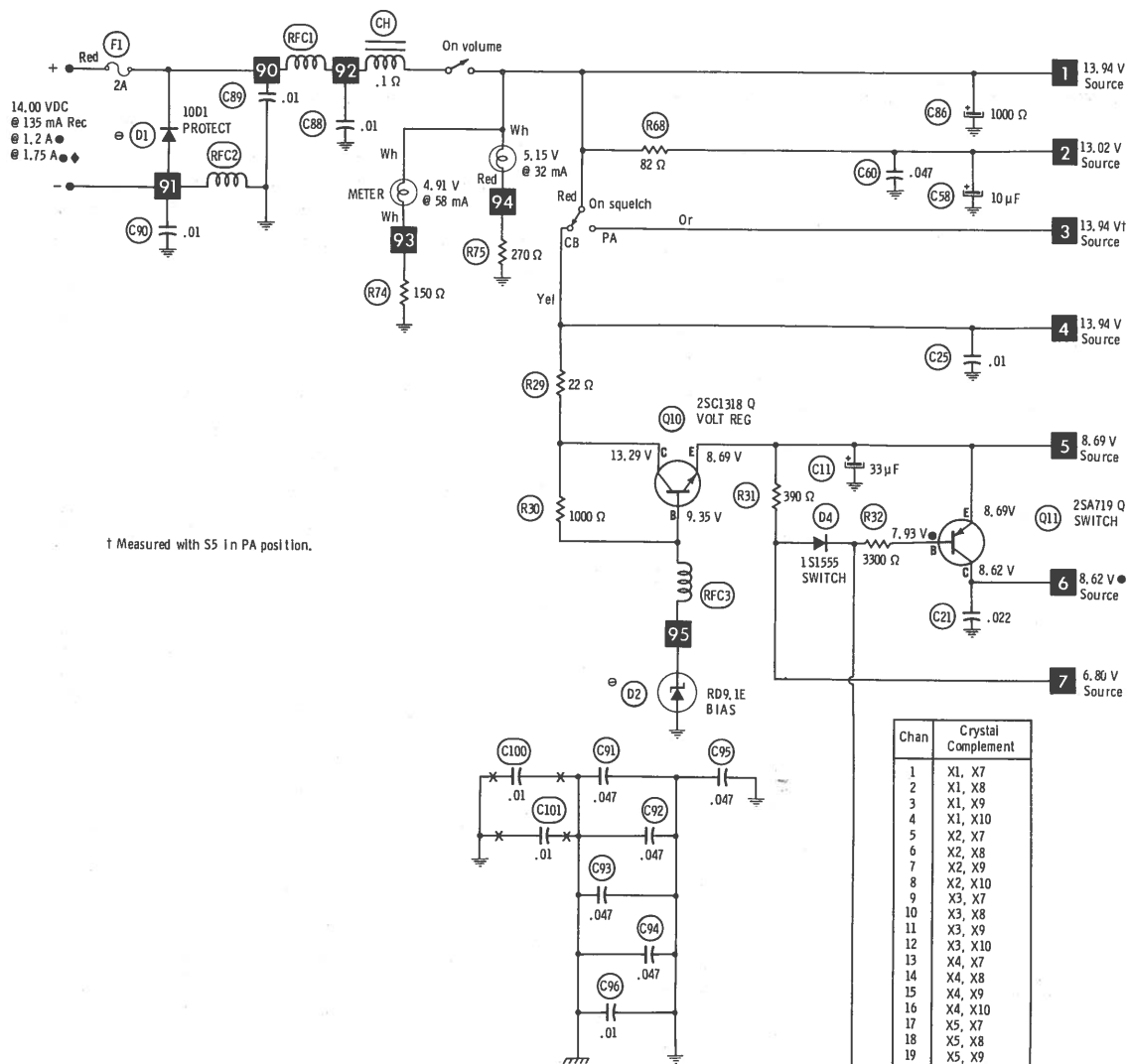
(11) Rating, 16 watts @ 4.0 amps.

MIDLAND MODEL 13-857

ELECTROLYTIC CAPACITORS

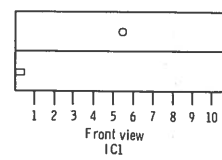
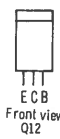
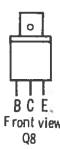
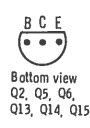
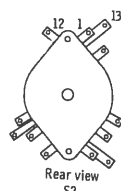
ITEM No.	RATING	REPLACEMENT DATA			
		MFR. PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.
C11	33 16V		PC30-25	VTT33D25	EV-1325
C36	1 50V		PC1-50	MTV1CB50	EV-1615
C55	1 50V		PC1-50	MTV1CB50	EV-1615
C57	3.3 25V		PC5-50	VTT33A50	EV-1318
C58	10 16V		PC10-25	VTT10A25	EV-1222
C69	3.9 25V			TDC335M035FL	SD35-3R99
C73	33 6.3V		PC30-25	VTT33A10	EV-1125
C80	47 16V		PC50-16	VTT47D16	EV-1226
C81	220 10V		PC250-10	VTT220F10	EV-1140
C82	33 6.3V		PC30-25	VTT33A10	EV-1125
C83	10 16V		PC10-25	VTT10A25	EV-1222
C84	1 50V		PC1-50	MTV1CB50	EV-1615
C85	47 16V		PC50-16	VTT47D16	EV-1226
C86	1000 16V		PC1000-16	VTT1000L16	EV-1260
C87	33 6.3V		PC30-25	VTT33A10	EV-1125
C98	33 16V		PC30-25	VTT33D25	EV-1325

(CONTINUED ON PAGE 82)



† Measured with S5 in PA position.

Chan	Crystal Complement
1	X1, X7
2	X1, X8
3	X1, X9
4	X1, X10
5	X2, X7
6	X2, X8
7	X2, X9
8	X2, X10
9	X3, X7
10	X3, X8
11	X3, X9
12	X3, X10
13	X4, X7
14	X4, X8
15	X4, X9
16	X4, X10
17	X5, X7
18	X5, X8
19	X5, X9
20	X5, X10
21	X6, X7
22	X6, X8
23	X6, X10



—X— Circuitry not used in some versions
 --- Circuitry used in some versions
 ○ See parts list
 ⏏ 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.

A PHOTOFAC STANDARD NOTATION SCHEMATIC
 WITH CIRCUITRACE™

PARTS LIST AND DESCRIPTION (CONTINUED)

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

CAPACITORS

ITEM No.	RATING	MFR. PART No.	REPLACEMENT DATA			
			CENTRALAB PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.
C1	2		DTZ-2R2	NP02P2	CN0522	10TCC-V22
C2	220 10%		DD-221		GP322	10TS-T22
C3	6		DTZ-6R8	NP06P8	CN0568	10TCC-V68
C4	.01		DC-103	GP10000	MAG5011	2SS-S10
C5	.01		DC-103	GP10000	MAG5011	2SS-S10
C6	1				CN0510	10TCC-V10
C7	.01		DC-103	GP10000	MAG5011	2SS-S10
C8	.01		DC-103	GP10000	MAG5011	2SS-S10
C9	560 10% 50V			CD19FD561J03	SX356	424ME5600J501
C10	68		DTZ-68	NP068	CN0468	10TCC-Q68
C12	220 10%		DD-221		GP322	10TS-T22
C15	.001 10% 50V			DPMS6D1	EWFA1A210	1PB-D10
C16	68		DTZ-68	NP068	CN0468	10TCC-Q68
C17	.01		DC-103	GP10000	MAG5011	2SS-S10
C18	68		DTZ-68	NP068	CN0468	10TCC-Q68
C19	.01		DC-103	GP10000	MAG5011	2SS-S10
C20	1.5		DTZ-1R5	NP01P5	CN0515	10TCC-V15
C21	.022 10% 50V			DPMS2S22	EWFA1A122	1PB-S22
C22	22 10%		DTZ-22	NP022	CN0422	10TCC-Q22
C23	.01		DC-103	GP10000	MAG5011	2SS-S10
C24	82 N150 10%				*	10TCP-Q82
C25	.01		DC-103	GP10000	MAG5011	2SS-S10
C26	.01		DC-103	GP10000	MAG5011	2SS-S10
C27	330 10%		DD-331	GP330	GP333	10TS-T33
C28	.01		DC-103	GP10000	MAG5011	2SS-S10
C29	120 10%		DTZ-120		CN0312	10TCC-T12
C30	220 10%		DD-221		GP322	10TS-T22
C31	.01		DC-103	GP10000	MAG5011	2SS-S10
C32	100 10%			CD10FD101J03	SX310	424MC1000J501
C33	270 10%			CD15FD271J03	SX327	424ME2700J501
C34	4		DTZ-4R7	NP04P7	CN0537	10TCC-V47
C35	.0047		DD-472	GP4700	GP247	2SS-D47
C37	27				CN0427	10TCC-Q27
C38	.01		DC-103	GP10000	MAG5011	2SS-S10
C39	.01		DC-103	GP10000	MAG5011	2SS-S10
C41	12				CN0412	10TCC-Q12
C42	.01		DC-103	GP10000	MAG5011	2SS-S10
C43	.01		DC-103	GP10000	MAG5011	2SS-S10
C44	2		DTZ-2R2	NP02P2	CN0522	10TCC-V22
C45	.01		DC-103	GP10000	MAG5011	2SS-S10
C46	47		DTZ-47	NP047	CN0447	10TCC-Q47
C47	.047 10% 50V			DPMS2S47	EWFA1A147	1PB-S47
C48	2.2 10% 50V		DTZ-2R2	NP02P2	CN0522	10TCC-V22
C49	.047 10% 50V			DPMS2S47	EWFA1A147	1PB-S47
C50	.047 10% 50V			DPMS2S47	EWFA1A147	1PB-S47
C51	.047 10% 50V			DPMS2S47	EWFA1A147	1PB-S47
C52	.047 10% 50V			DPMS2S47	EWFA1A147	1PB-S47
C53	.0047 10% 50V			DPMS6D47	EWFA1A247	1PB-D47
C54	.022		DC-203		MAG5012	2SS-S20
C56	.0022 10% 50V			DPMS6D22	EWFA1A222	6PS-D22
C59	.047 50V 10%			DPMS2S47	EWFA1A147	1PB-S47
C60	.047 10% 50V			DPMS2S47	EWFA1A147	1PB-S47
C61	18 N150				*	10TCP-Q18
C62	560 10% 50V			CD19FD561J03	SX356	424ME5600J501
C63	68		DTZ-68	NP068	CN0468	10TCC-Q68
C64	.04				GP140	56A-S40
C65	.0022 10%		DD-222		GP222	2SS-D22
C66	.022 10% 50V			DPMS2S22	EWFA1A122	1PB-S22
C67	.02 10% 50V			DPMS2S2	PVC212	2PS-S20
C68	.0022				GP222	2SS-D22
C70	.01		DC-103	GP10000	MAG5011	2SS-S10
C72	.02		DC-203		MAG5012	2SS-S20
C74	100 5%		DTZ-100	NP0100	CN0310	10TCC-T10
C75	.068 10% 50V			DPMS4S68	EWFA1A168	1PB-S68
C76	68		DTZ-68	NP068	CN0468	10TCC-Q68
C77	68		DTZ-68	NP068	CN0468	10TCC-Q68
C78	100 5%		DTZ-100	NP0100	CN0310	10TCC-T10
C79	.068 10% 50V			DPMS4S68	EWFA1A168	1PB-S68
C88	.01		DC-103	GP10000	MAG5011	2SS-S10
C89	.01		DC-103	GP10000	MAG5011	2SS-S10
C90	.01		DC-103	GP10000	MAG5011	2SS-S10
C91	.047		DC-503	MGP05	MAG5015	TGL-S50
C92	.047		DC-503	MGP05	MAG5015	TGL-S50
C93	.047		DC-503	MGP05	MAG5015	TGL-S50
C94	.047		DC-503	MGP05	MAG5015	TGL-S50
C95	.047		DC-503	MGP05	MAG5015	TGL-S50
C96	.01		DC-103	GP10000	MAG5011	2SS-S10
C97	22		DTZ-22	NP022	CN0422	10TCC-Q22
C99	39 5% N220				*	10TCP-Q39
C100	.01		DC-103	GP10000	MAG5011	2SS-S10
C101	.01		DC-103	GP10000	MAG5011	2SS-S10
C102	10 N150				*	10TCP-Q10
C103	33 N150				*	10TCP-Q33
C104	220 10%			CD10FD221J03	SX322	424ME2200J501

*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	RESIST-ANCE	REPLACEMENT DATA				
			MFGR. PART No.	CENTRALAB PART No.	CLAROSTAT PART No.	MALLORY PART No.	TRW PART No.
RV1	Squelch Range	10K	13-164120				
RV2	AMC	2000	13-164124				
RV3	S Meter	20K	13-164119				
RV4	RF Meter	20K	13-164119				
VR1	Volume/Power Switch	50K	13-160124				
VR2	Squelch/PA Switch	10K	13-166068				

COILS (RF-IF)

ITEM No.	FUNCTION	REPLACEMENT DATA			REMARKS
		PART No.	OTHER IDENTIFICATION	MILLER PART No.	
L1	Synth Osc (23MHz)	13-170211	ETR-336		
L2	Synth Mixer (38MHz)	13-176483			
L3	Synth Mixer (38MHz)	13-176484	ETR-340		
L4	Xmit Mixer (27MHz)	13-176485	ETR339		
L5	Xmit Mixer (27MHz)	13-176486	ETR-340		
L6	Xmit Buffer (27MHz)	13-176487	0341		
L7	Xmit Driver (27MHz)	13-176488			
L8	Final Tank (27MHz)	13-176489			
L9	Antenna Load (27MHz)	13-176490			
L10	Rec Antenna (27MHz)	13-176491	ETR-333		
L11	Rec RF (27MHz)	13-176492	ETR-334		
L12	Rec Mixer (11MHz)	13-176493	335		
L13	Rec Mixer (11MHz)		335		
L14	IF (455kHz)	13-090362	122		
L15	IF (455kHz)	13-090363	123		
L16	IF (455kHz)	13-090364	129		
RFC1	RF Choke	13-178203			
RFC2	RF Choke	13-178203			
RFC3	RF Choke (68uH)	13-178204			
RFC4	RF Choke (15uH)	13-178205			
RFC5	RF Choke (68uH)	13-178204			
RFC6	RF Choke	13-178206			

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.	
CH	1.775A	.1	.37mH	13-178202 ELA-16(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	13-096193 ETA-66 (1)			(1) Number on unit

SPEAKER

ITEM No.	TYPE	REPLACEMENT DATA		NOTES
		MFGR. PART No.	QUAM PART No.	
SP1	3" PM 8 ohms	13-060105	30A0528R	

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

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	23.290	13-128114	MA20W23.290	1,2,3,4	X7	14.950	13-128120	MB90W14.950	1,5,9,13,17,21
X2	23.340	13-128115	MA20W23.340	5,6,7,8	X8	14.960	13-128121	MB90W14.960	2,6,10,14,18,22
X3	23.390	13-128116	MA20W23.390	9,10,11,12	X9	14.970	13-128122	MB90W14.970	3,7,11,15,19
X4	23.440	13-128117	MA20W23.440	13,14,15,16	X10	14.990	13-128123	MB90W14.990	4,8,12,16,20,23
X5	23.490	13-128118	MA20W23.490	17,18,19,20	X11	11.275	13-128124	MC90W11.275	Xmit Osc
X6	23.540	13-128119	MA20W23.540	21,22,23	X12	11.730	13-128125	MC140W11.730	Rec Osc

MISCELLANEOUS

ITEM No.	PART NAME	PART No.	NOTES
CF	Filter, Ceramic	13-179057	455kHz
M1	Meter	13-200066	S/R
SW1	Switch	13-180101	Channel Selector
SW2	Switch	13-183211	DELTA Tune
SW3	Switch	13-183205	ANL
SW4	Switch	13-183205	EXT/CB
	Printed Circuit Board	EPO-0646-01	Main

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

ITEM	PART No.	ITEM	PART No.
Cabinet, Upper	13-011022	Plate, Channel	13-115126
Cabinet, Lower	13-013130	Knob, Channel Assembly	13-115121
Cabinet, Front	13-010289	Knob (Control)	13-110188
Panel, Front	13-020657		

ACCESSORIES

ITEM	MFGR. PART No.	REMARKS
Microphone	13-038075	
DC Power Cord w/Fuse	13-034083	

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. 8491 4-Conductor (2 shielded, 2 unshielded) Neoprene