



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.



LAFAYETTE MODEL TELSAT SSB-75

MODEL Telsat SSB-75 (99-33052W)

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

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ALIGNMENT INSTRUCTIONS

Suggested Alignment Tools:	GC Electronics:
L1, L10, L13, L14.....	5000, 8290
L5, L6, L7, L301.....	9300
ALL other tunable coils and transformers.....	9440

SYNTHESIZER

INDICATOR	CHANNEL	ADJUST	FREQUENCY	REMARKS
OSCILLOSCOPE Response to 50kHz, Frequency Counter	13	L201	23.480MHz	See mode switch to AM. Connect counter to collector of Q201. Connect scope to collector at Q201 and PC board ground. Adjust for MINIMUM amplitude at this frequency plus 1/2 turn clockwise.
	1	TC201	14.910MHz +100Hz	Set mode switch to AM. Connect counter to emitter of Q204 and PC board ground. Key transmitter and adjust for these frequencies.
	2	TC202	14.920MHz +100Hz	
	3	TC203	14.930MHz +100Hz	
	4	TC204	14.950MHz +100Hz	
	1	TC205	14.907MHz +100Hz	Set mode switch to AM. Connect counter to emitter of Q204 and PC board ground. Adjust for this frequency.
	Any	TC1	11.275MHz +50Hz -0Hz	Connect counter emitter at Q6 and PC board ground. Adjust for this frequency.

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 antenna jack, low side to ground.	27.115Hz, 1000Hz @30% modulation, output 1uV.	13	L18, L19, L20, L10, L11	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
AGC High side thru .01uF to antenna jack, low side to ground.	27.115MHz, 1000Hz @30% modulation, output 50,000uV.	13	RV10	Set mode switch to AM. Adjust volume control to obtain 0db. Decrease generator to 50uV. Adjust RV10 so that signal does not drop more than 10db.
SQUELCH RANGE High side thru .01uF to antenna jack, low side to ground.	27.115MHz, 1000Hz @ 30% modulation, output 500uV.	13	RV6	Set squelch control fully clockwise. Adjust RV6 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	RV9	Adjust RV9 for S9 on Panel Meter.

TRANSMITTER

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

AM

INDICATOR	ADJUST	REMARKS
38MHz Amp MIXERS, BUFFER, DRIVER, FINAL Input of RF Wattmeter to antenna jack, common to ground.	L202, L203, L204, L2, L3, L4, L5, L6, L7	Mode switch to AM. Channel selector to Ch. 13. Key transmitter. Adjust for maximum.
OUTPUT POWER Input of RF Wattmeter to antenna jack, common to ground.	RV304	Mode switch to AM. Key transmitter. Adjust for 4 watts output.
TVI TRAP TV (Ch 2)	L301	Mode switch to AM. Key transmitter. Adjust for MINIMUM interference on TV.

TRANSMITTER

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

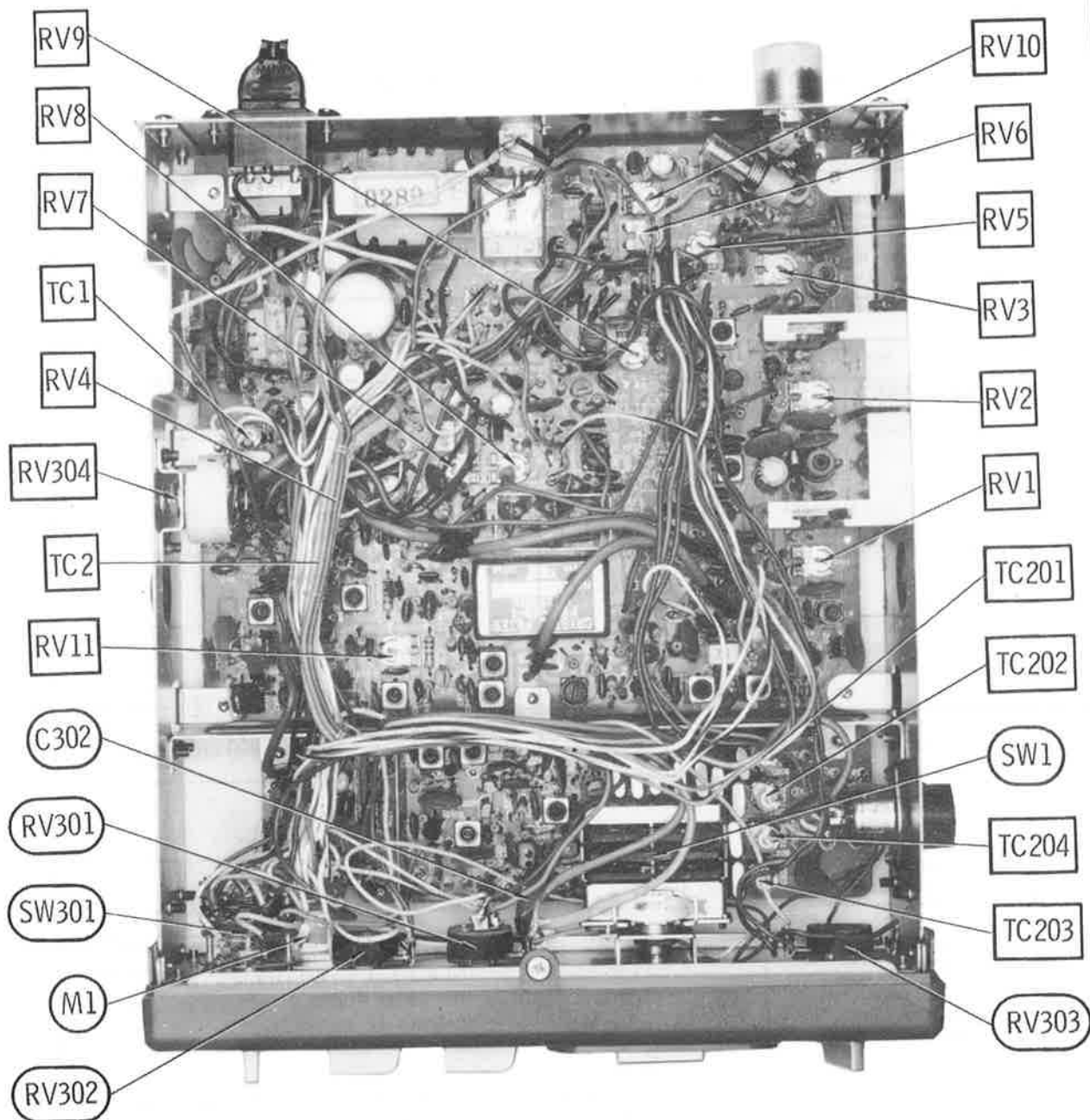
SSB

INDICATOR	ADJUST	REMARKS
CARRIER BALANCE Input of oscilloscope to antenna jack, common to ground.	RV4, TC2, L9	Short mic input. Set mode switch to LSB. Key transmitter and adjust for MINIMUM on scope (less than 0.3V p-p).
SSB EXCITER Input of oscilloscope (usable to 30MHz) to antenna jack, common to ground.	L12, L13, L14, L15, L16, L17	Set channel selector to CH 13. Set mode switch to LSB. Inject a 1000Hz 10mV audio signal at mic input. Key transmitter and adjust for maximum.
BIAS FINAL Input of DC-VTVM to base of Q32, common to PC board ground.	RV2	Set mode switch to USB. Short mic input. Key transmitter. Adjust bias for 0.6V.
BIAS DRIVER Input of DC-VTVM to base of Q31, common to PC board ground.	RV1	Set mode switch to USB. Short mic input. Key transmitter. Adjust bias for 0.6V.

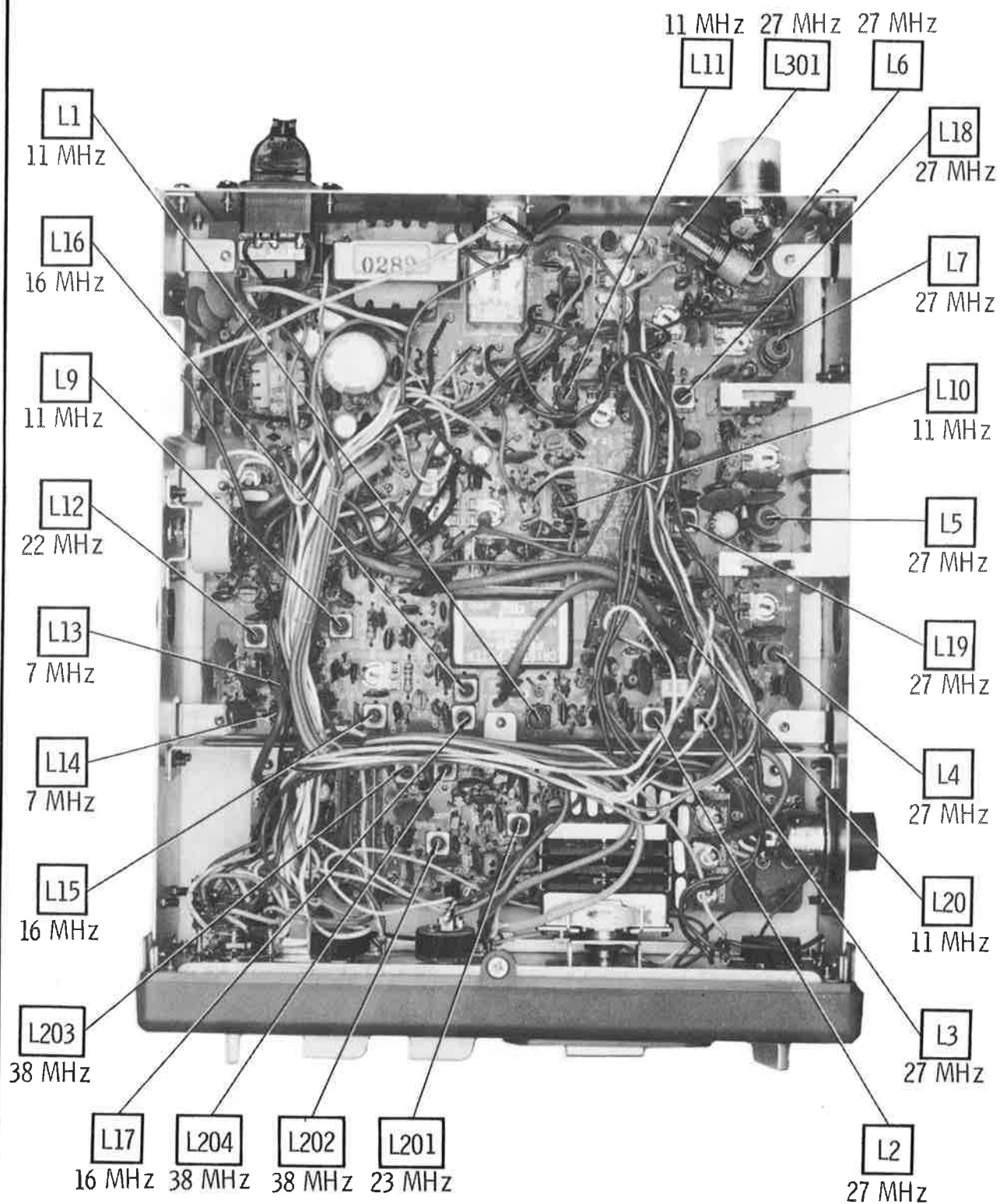
TRANSMITTER ADJUSTMENTS

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

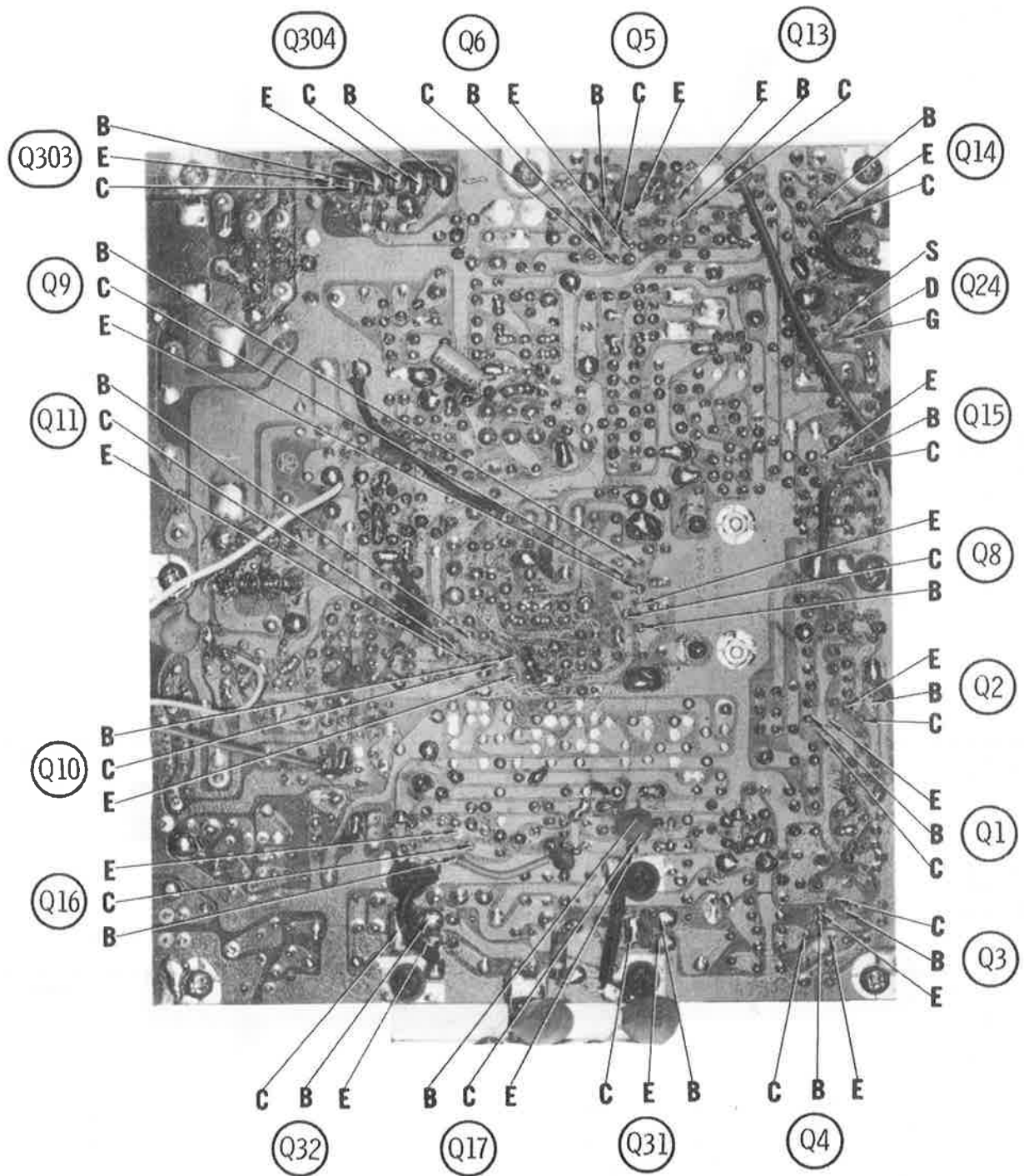
INDICATOR	ADJUST	REMARKS
SSB MODULATION Input of RF Wattmeter to antenna jack, common to ground.	RV8	Inject a 2 tone 10mV audio signal at mic input. Key transmitter. Adjust for 11 watts.
ALC Input of RF Wattmeter to antenna jack, common to ground.	RV5	Set mode switch to LSB. Inject a 1000Hz 10mV audio signal at mic input. Key transmitter. Adjust for 11 watts.
AM MODULATION Input of Modulation Meter to antenna jack, common to ground.	RV7	Set mode switch to AM. Inject a 1000Hz 10mV audio signal at mic input. Key transmitter. Adjust for 100% modulation maximum.
RF PANEL METER Input of RF Wattmeter to antenna jack, common to ground.	RV3	Set mode switch to AM. Key transmitter. Adjust so that panel RF meter agrees with RF wattmeter.



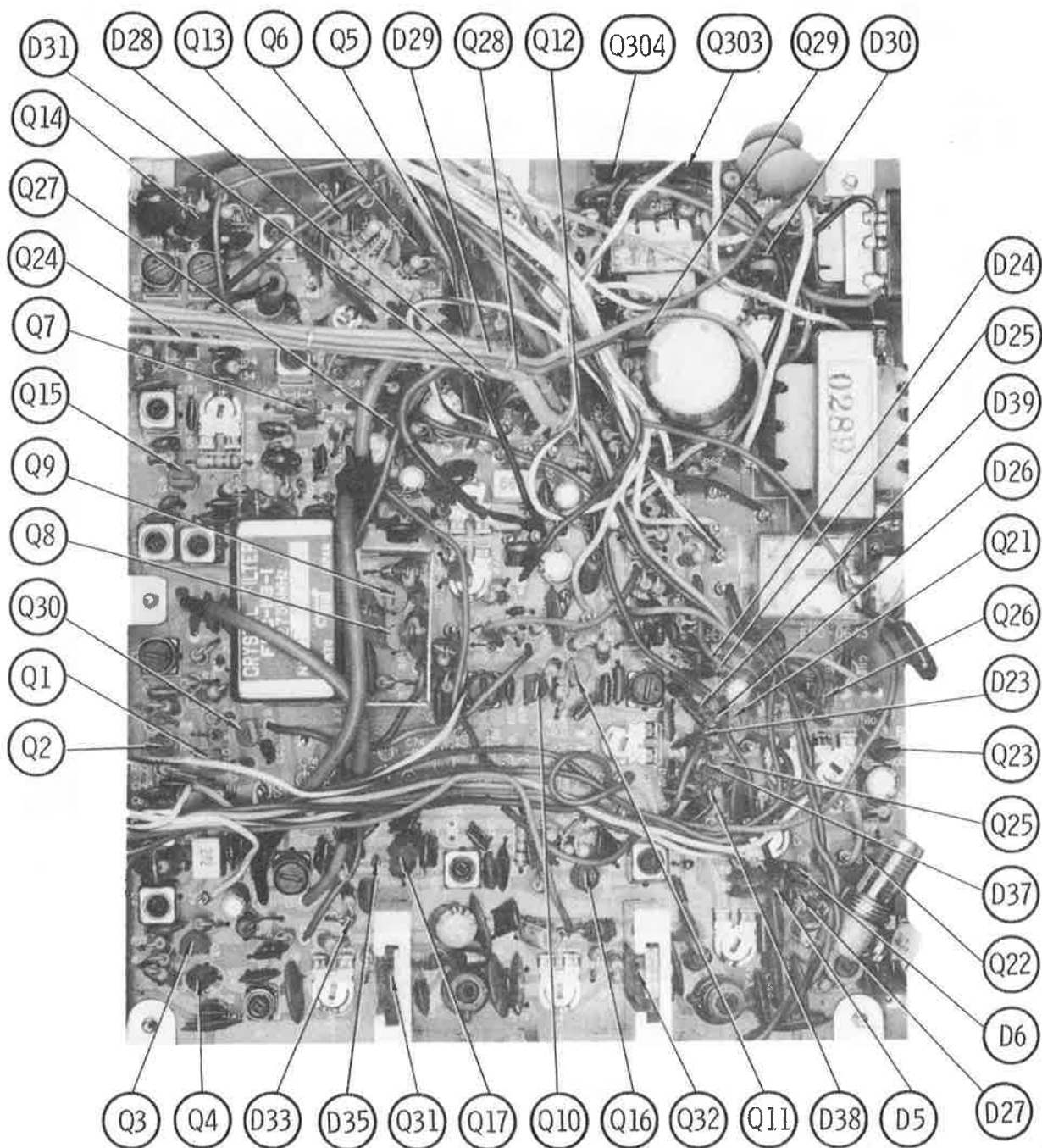
CHASSIS-BOTTOM



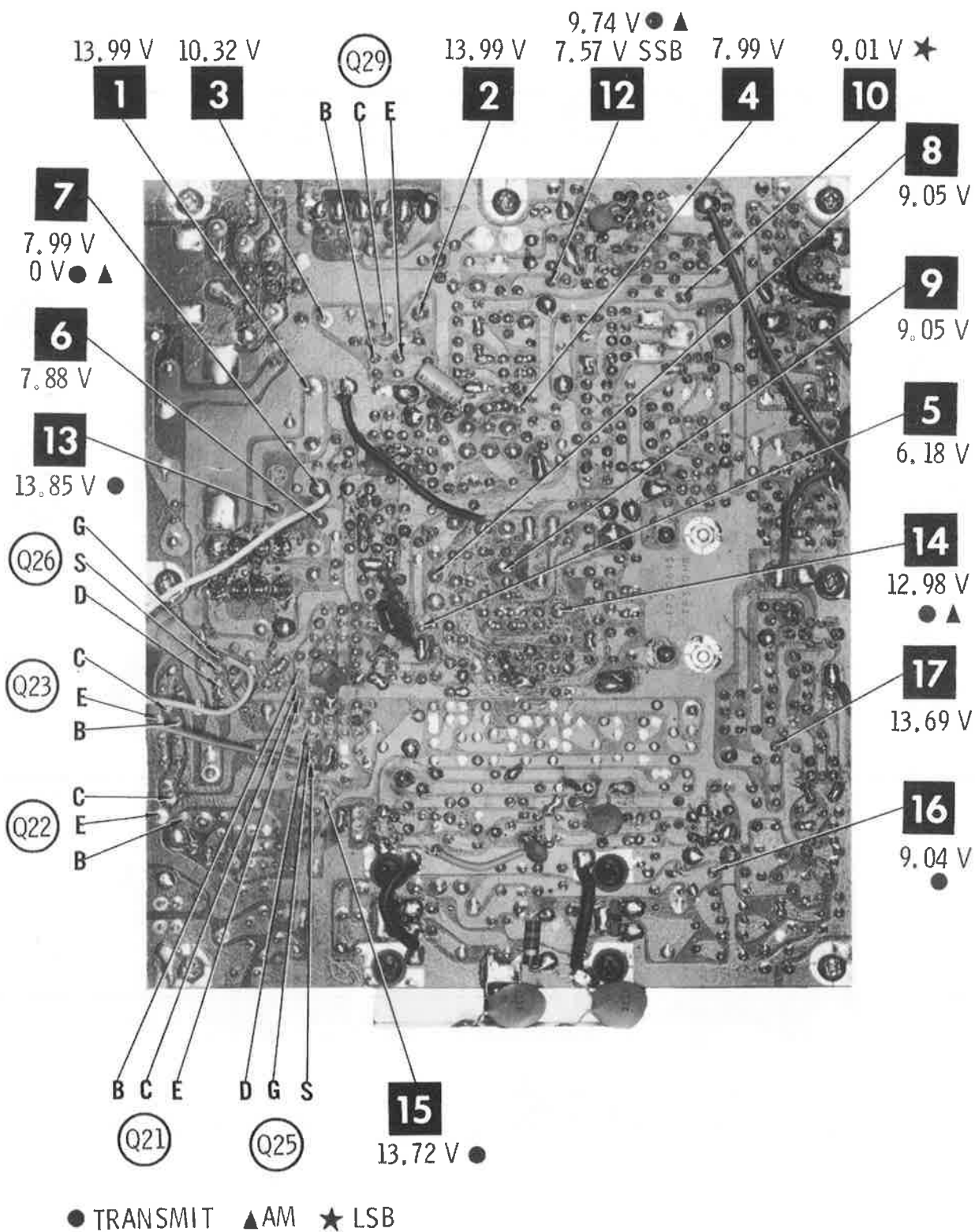
CHASSIS-BOTTOM



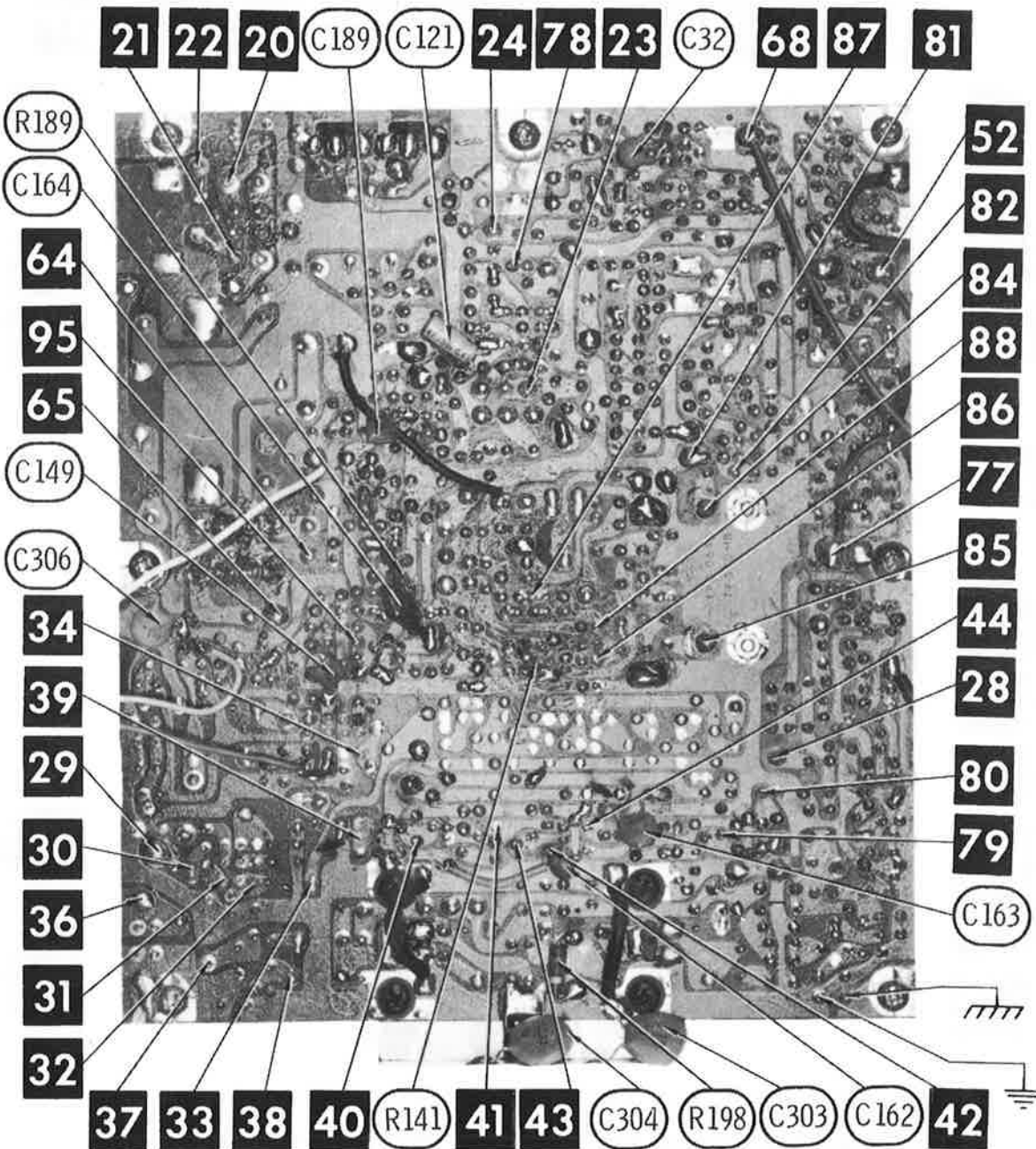
MAIN BOARD



MAIN BOARD

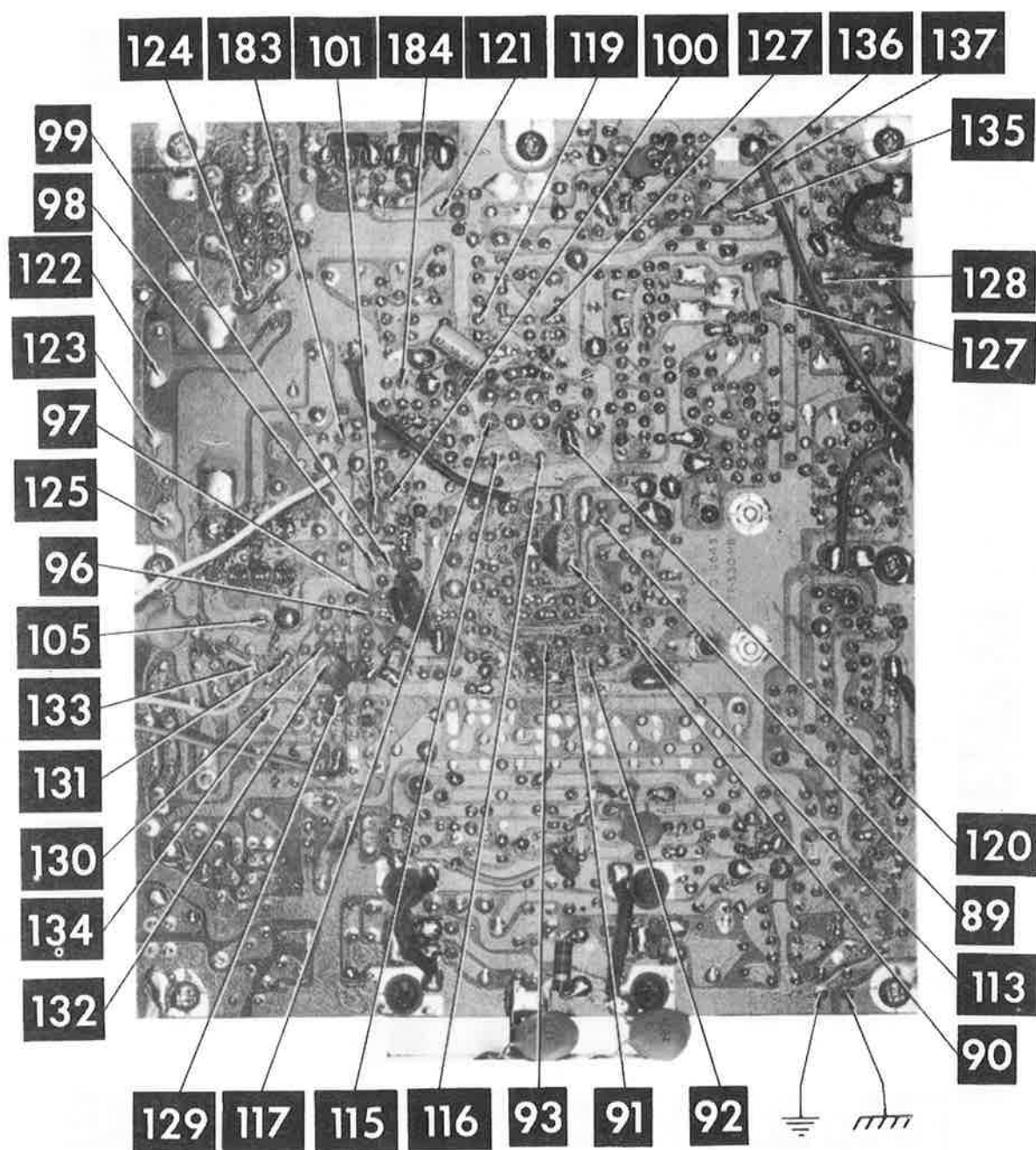


MAIN BOARD

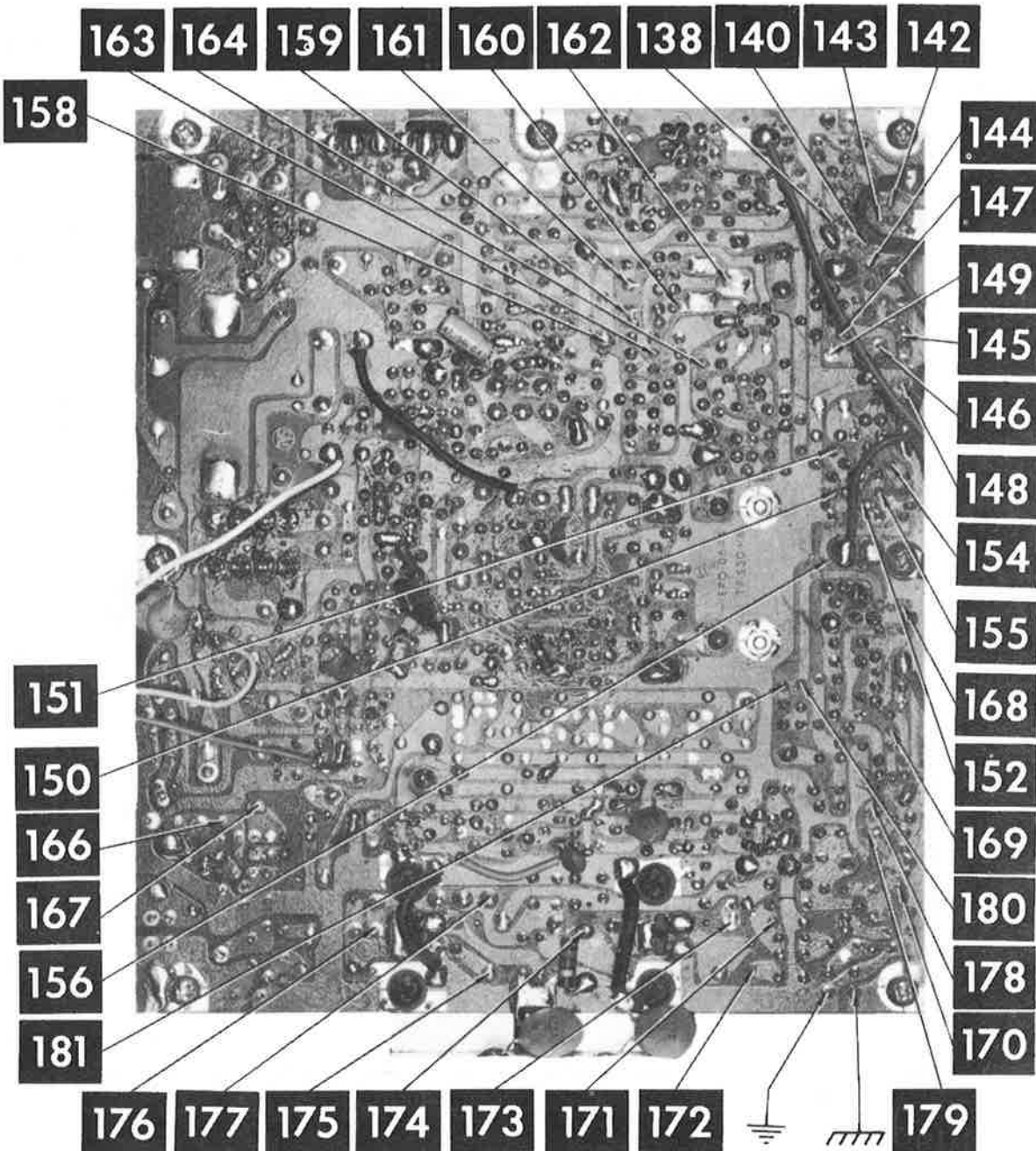


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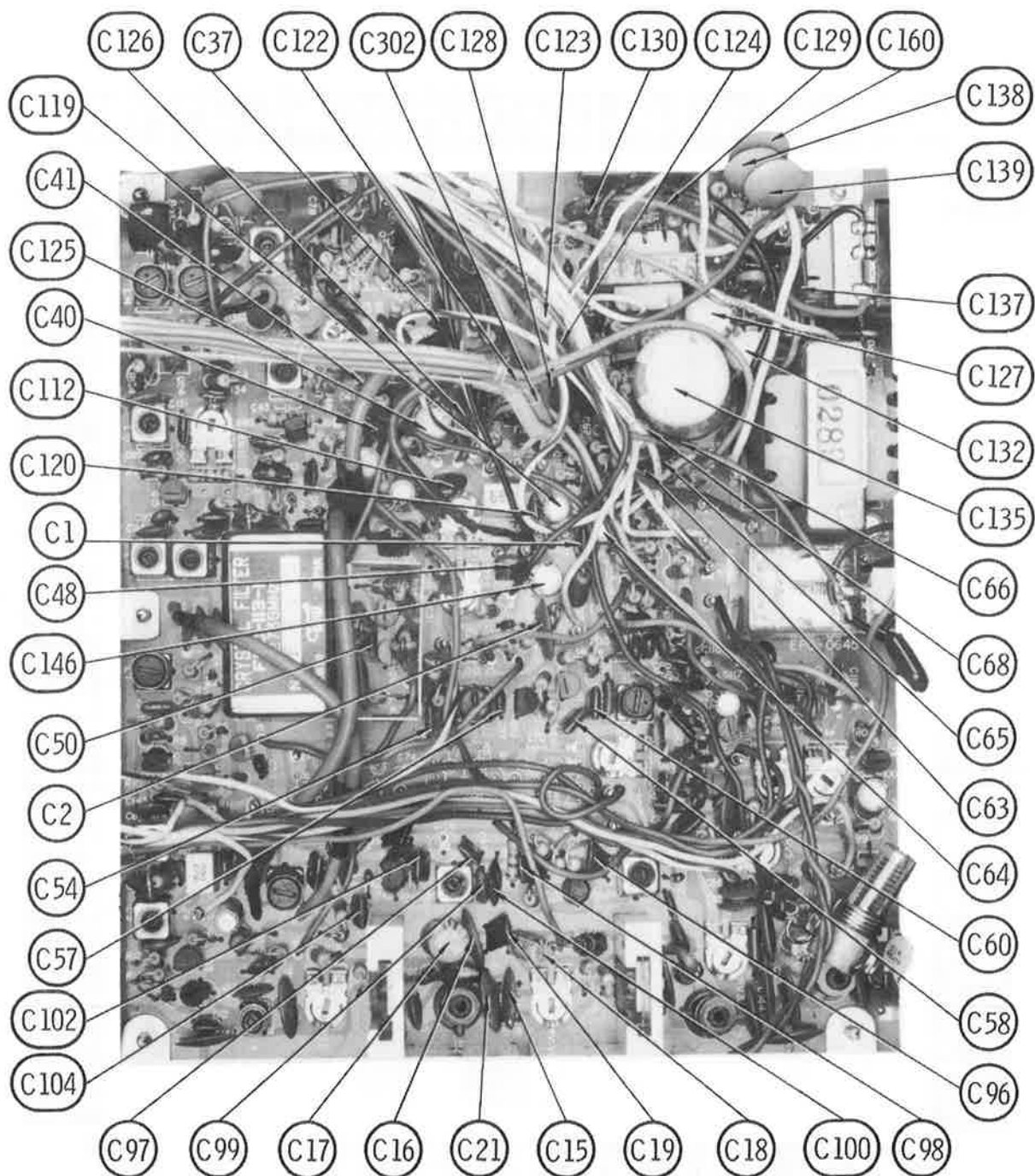
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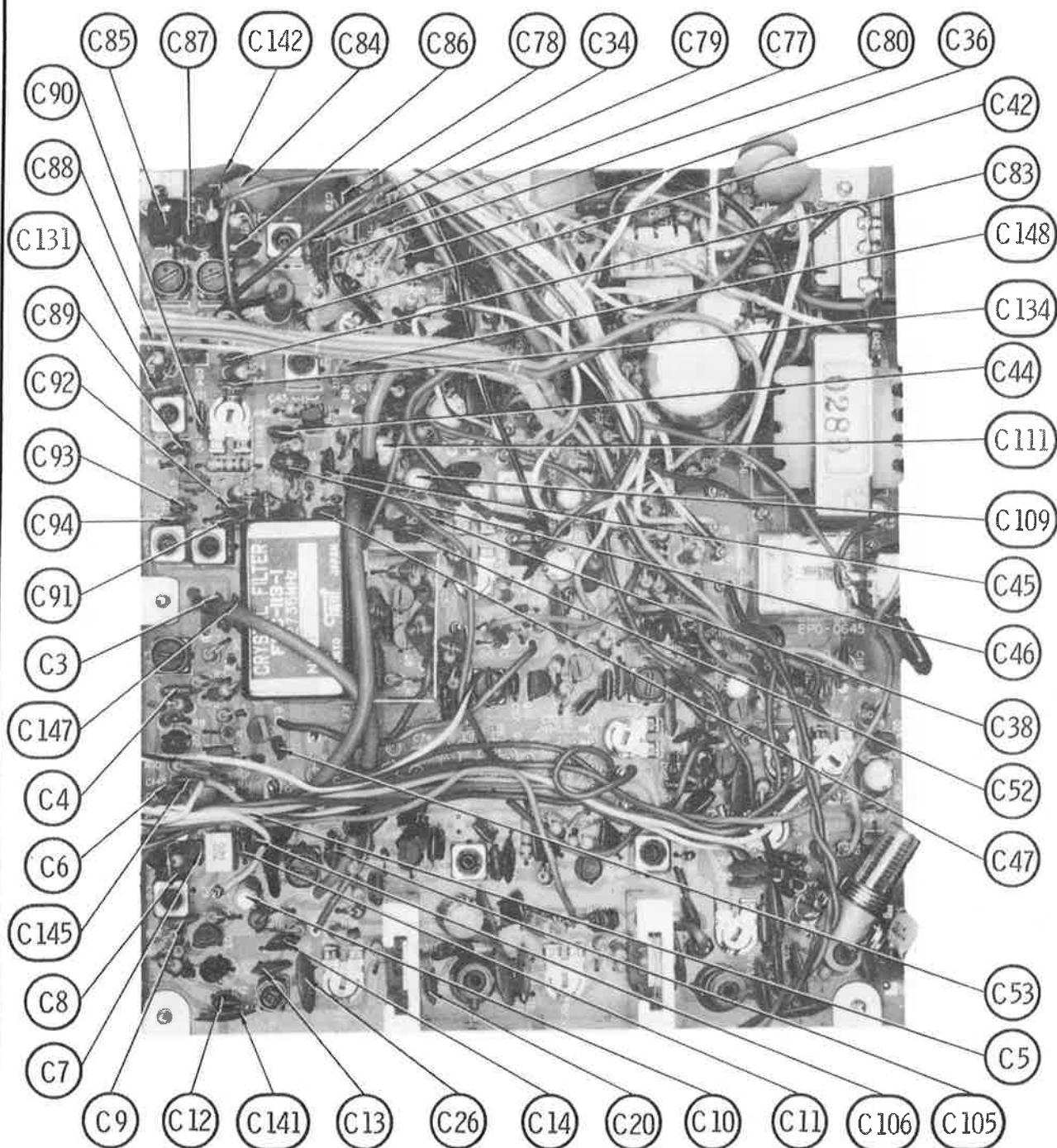
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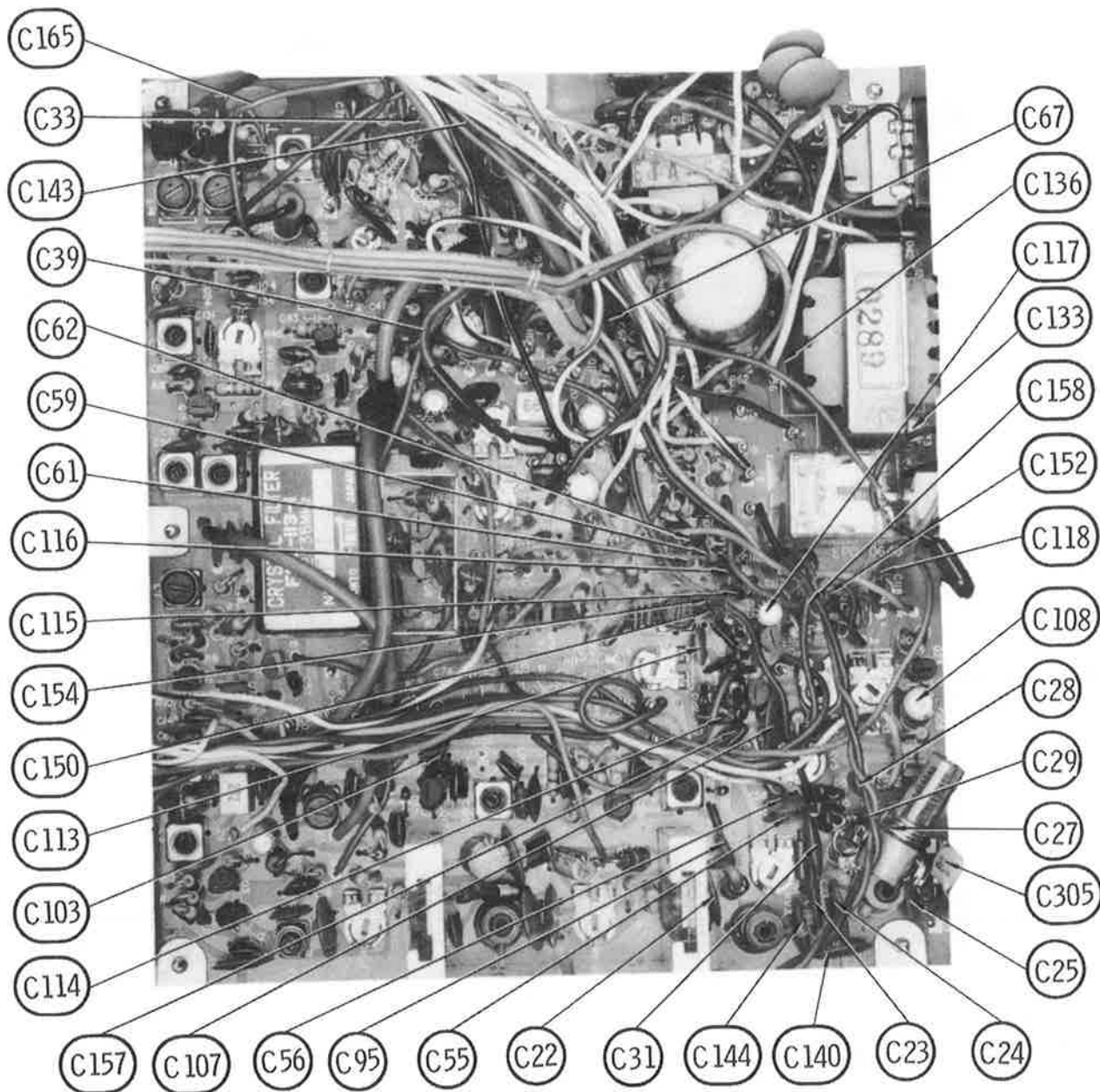
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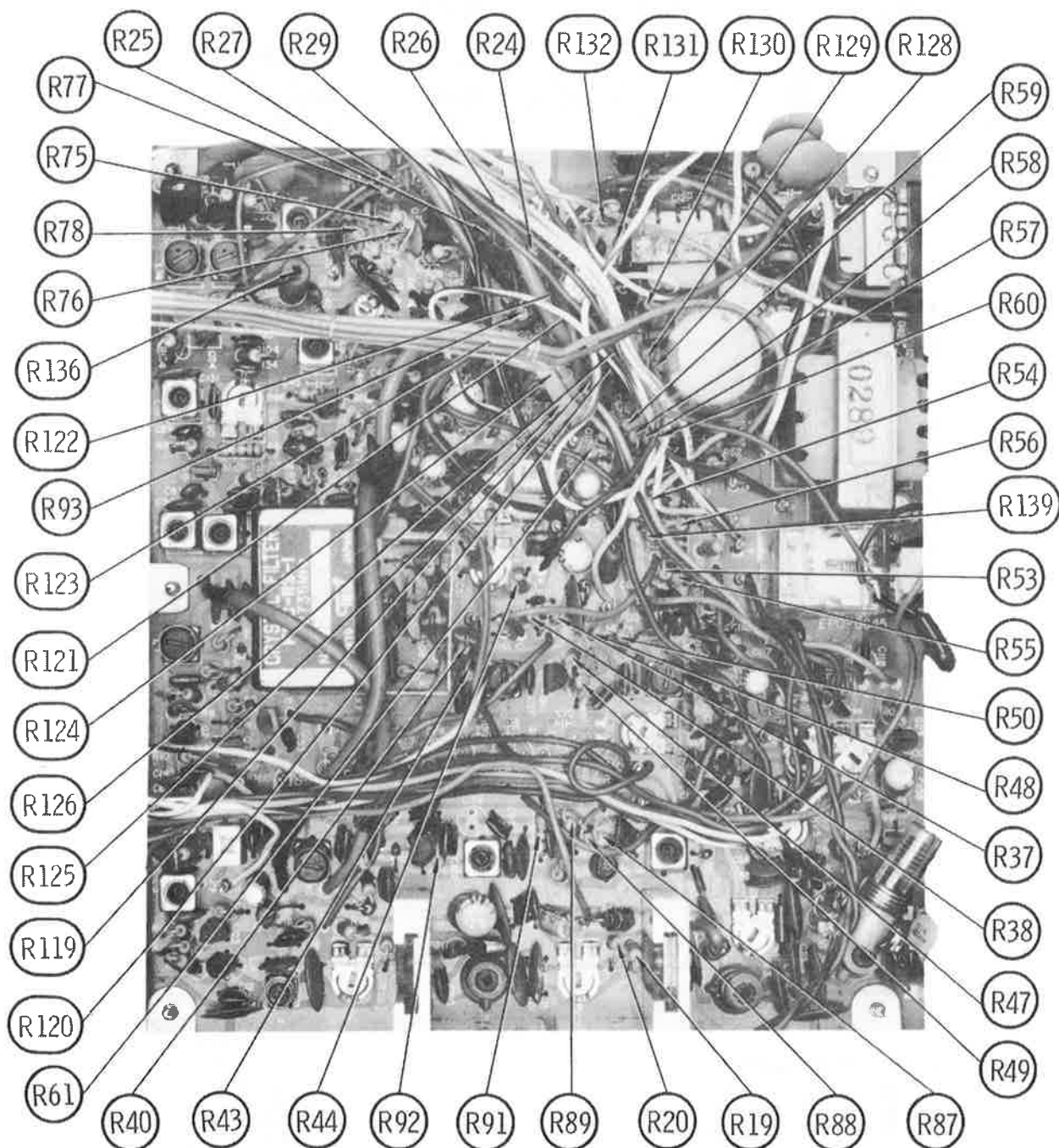
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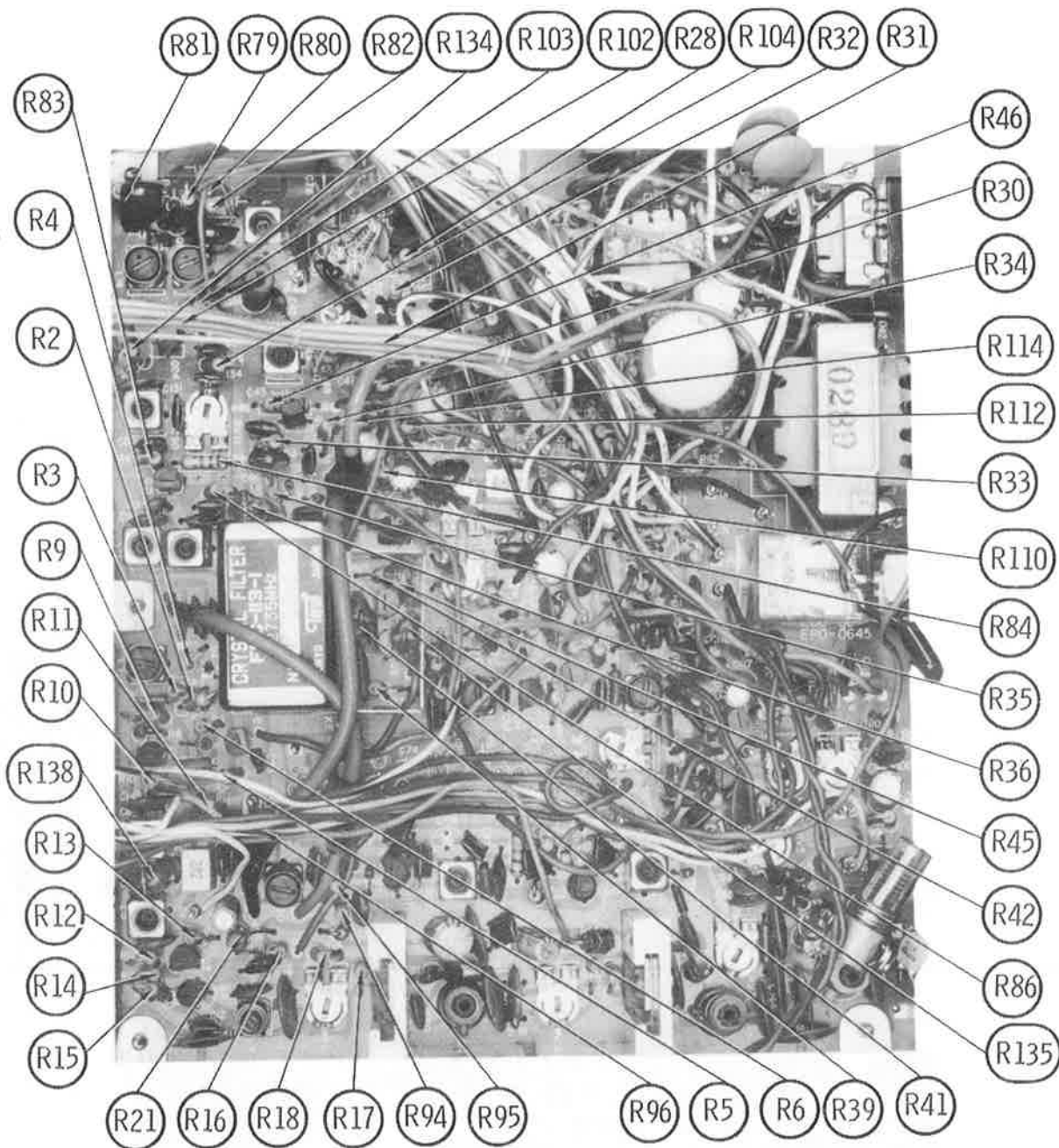
MAIN BOARD



MAIN BOARD

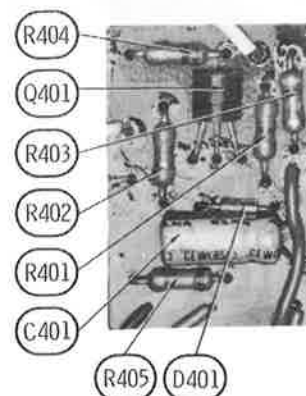
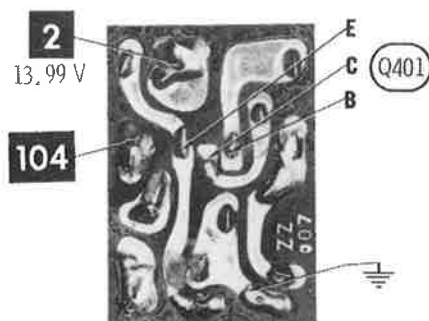


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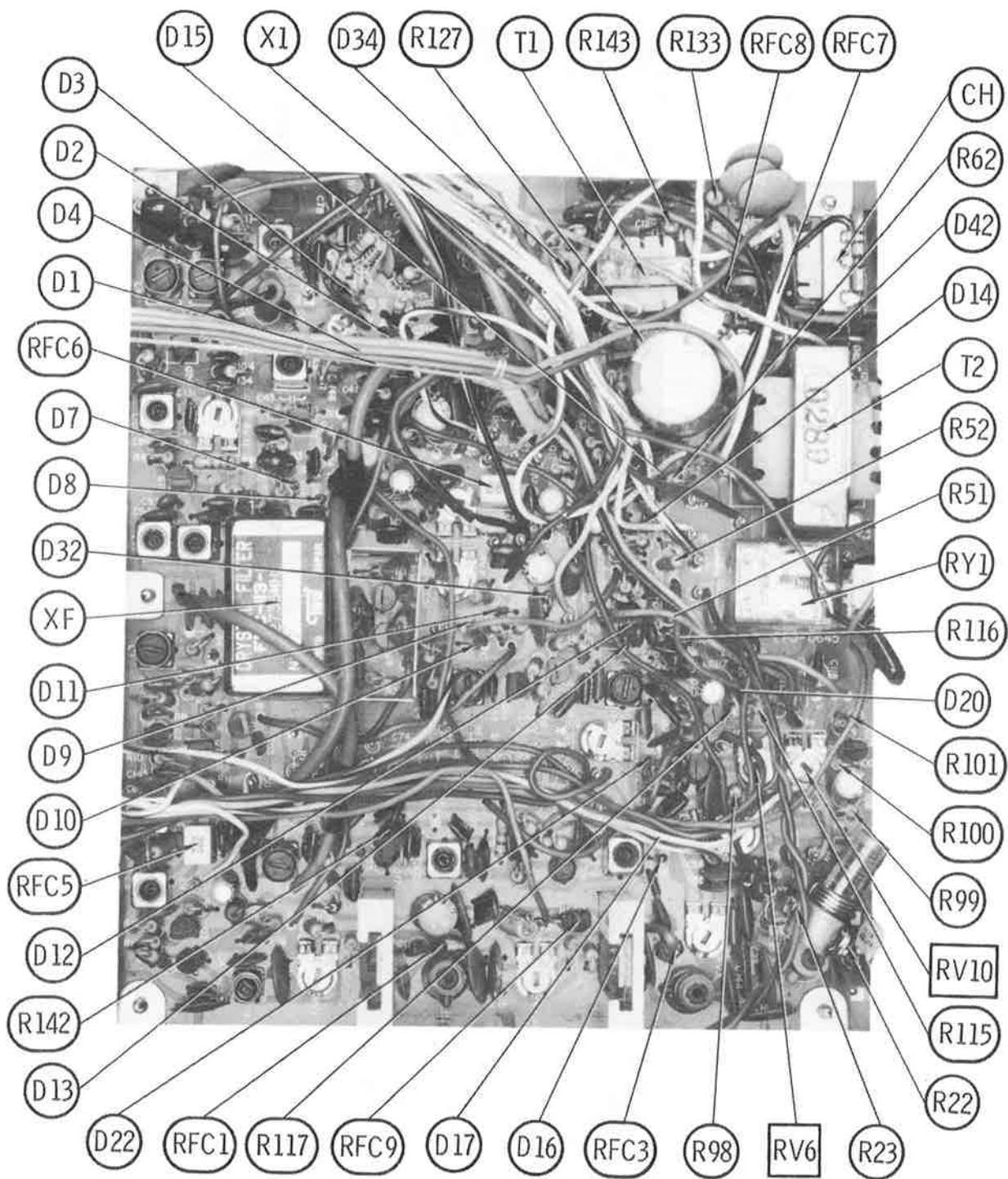


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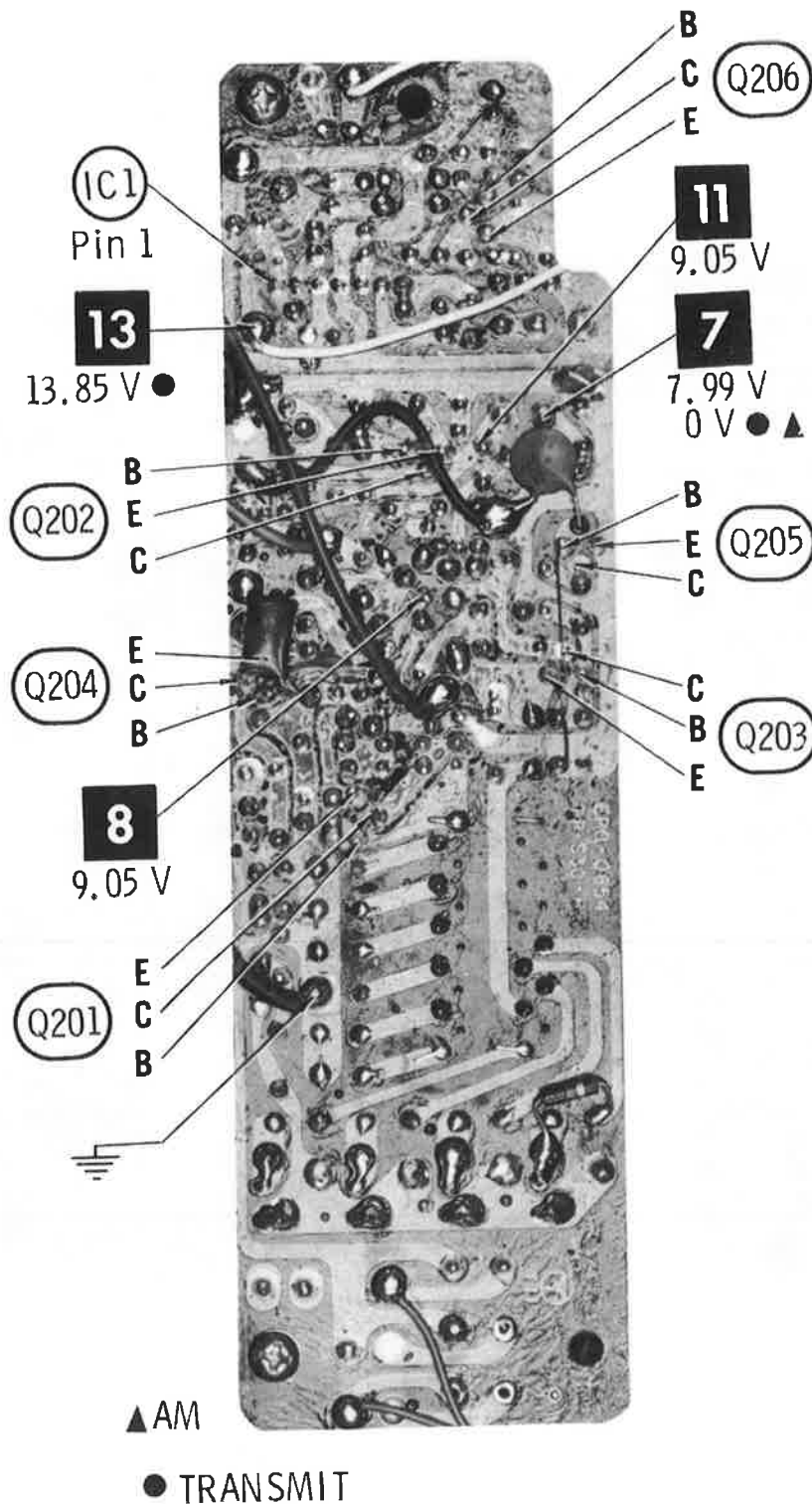
A Howard W. Sams **CIRCUITRACE** Photo



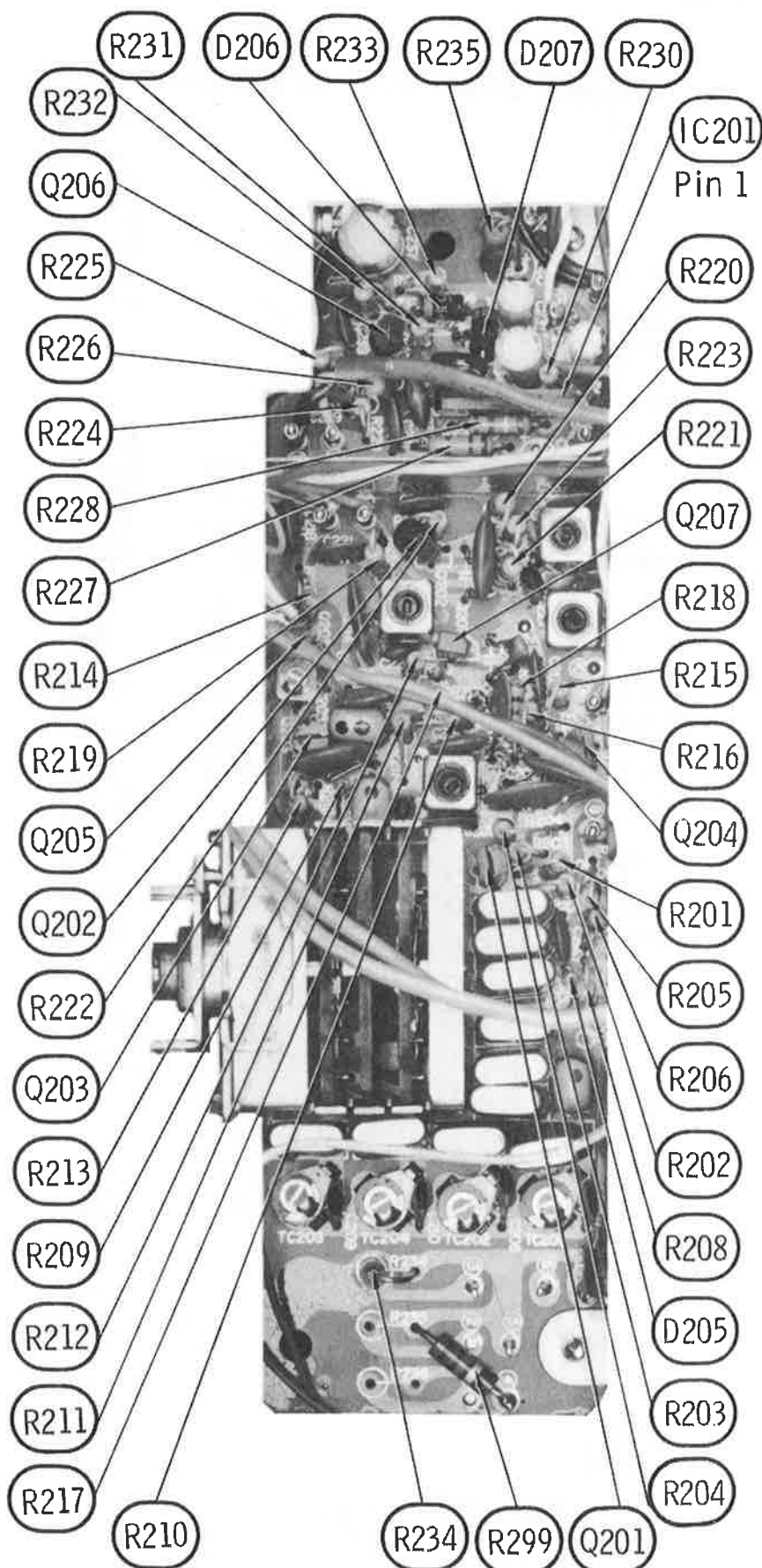
AGC BOARD



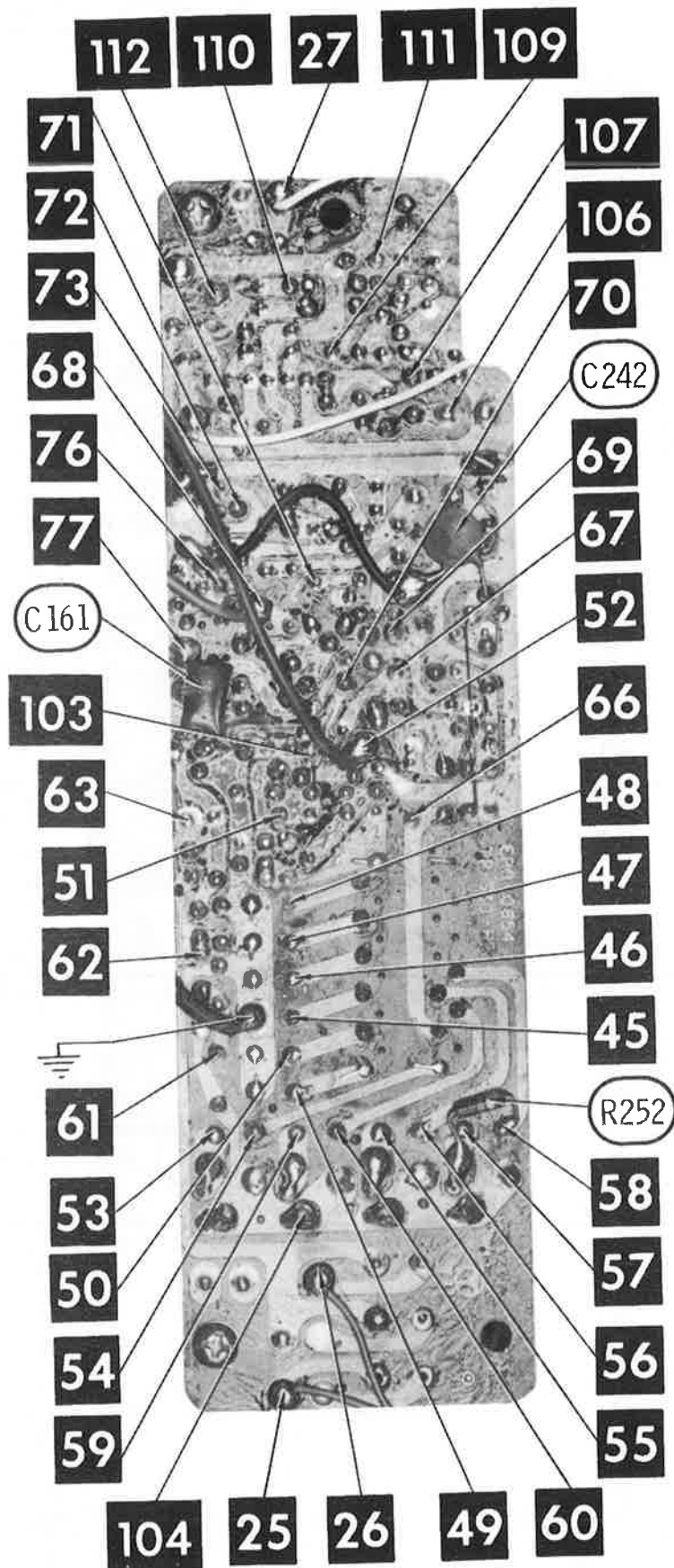
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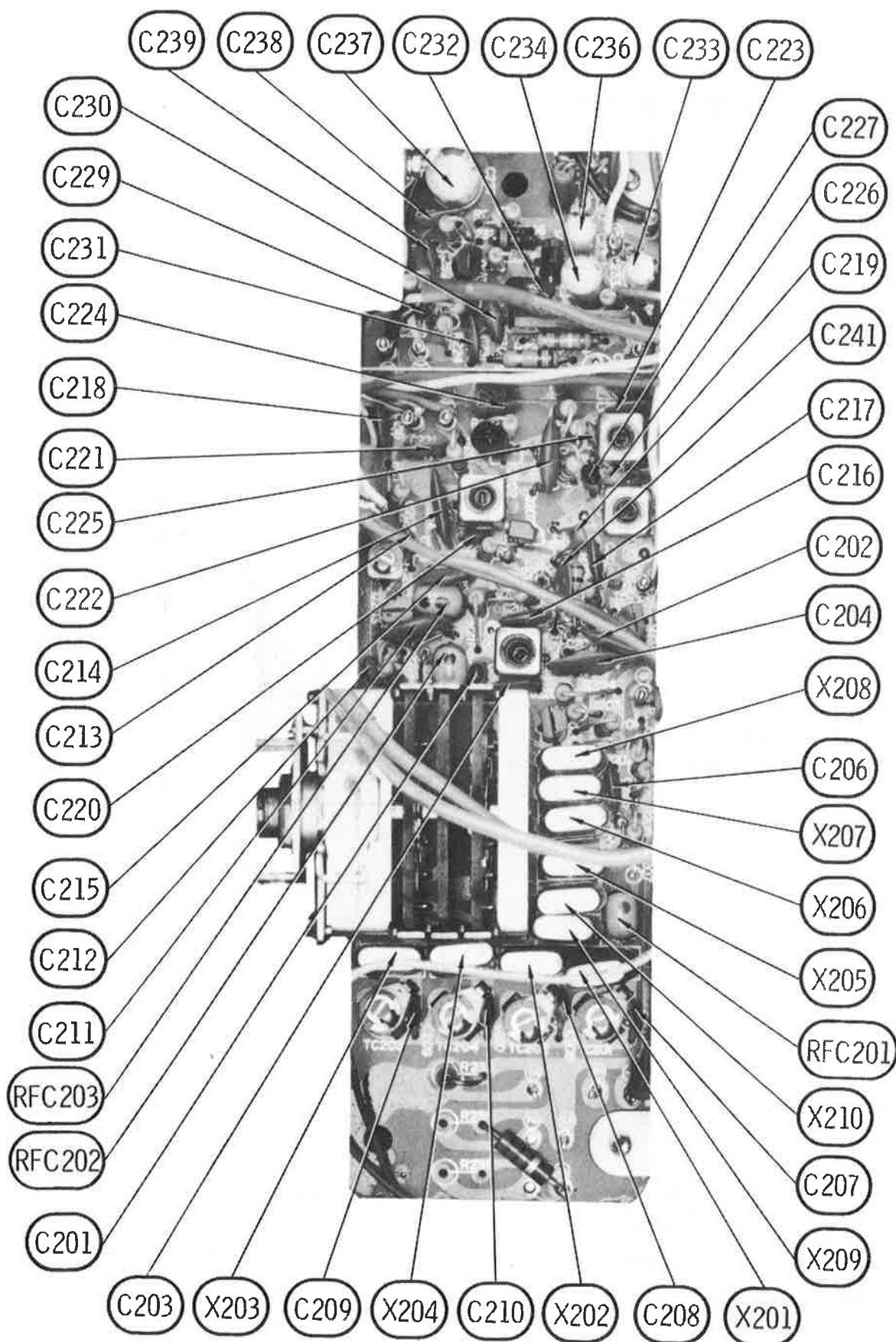
CRYSTAL BOARD



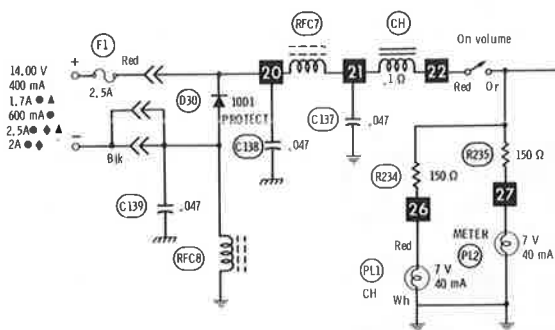
CRYSTAL BOARD



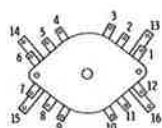
CRYSTAL BOARD



CRYSTAL BOARD



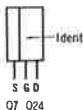
Terminal Guides



SW301
Sect 1
Front view



Q16
Bottom View



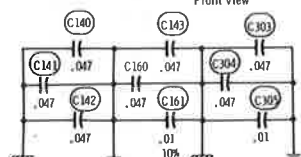
Q7 Q24
Q207
Front View



Q1 Q2
Q5 Q6
Q12 Q27
Q201 Q202
Q203 Q204
Q206 Q401
Q205
Bottom View



Q8 Q9
Q10 Q11
Q13 Q14
Q17 Q30
Q205
Bottom View



—*— Circuitry not used in some versions

--- Circuitry used in some versions

⊙ See parts list

⊕ Ground

mtm Chassis

Measurements with switching as shown unless noted:

■ Squelch fully clockwise ◆ 100% modulation

● Transmit ★ LSB ▲ AM

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.

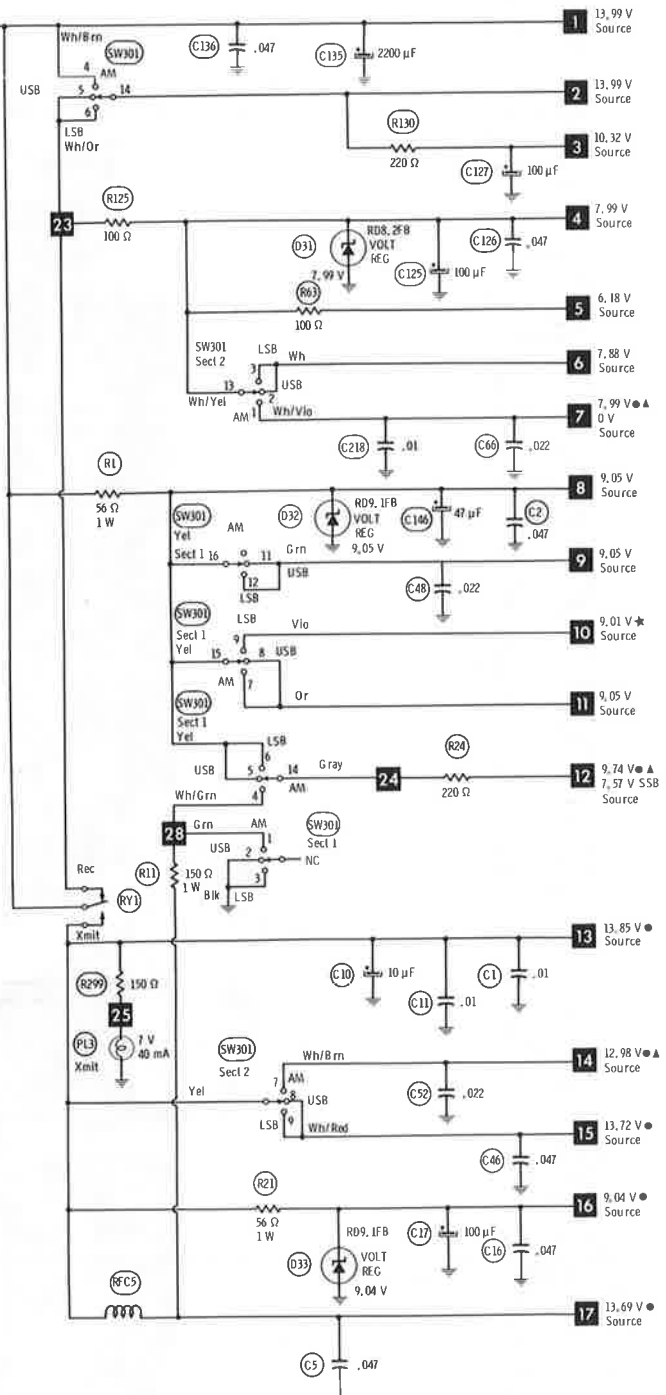
Resistors are 1/2W or less, 5% unless noted.

Value in () used in some versions.

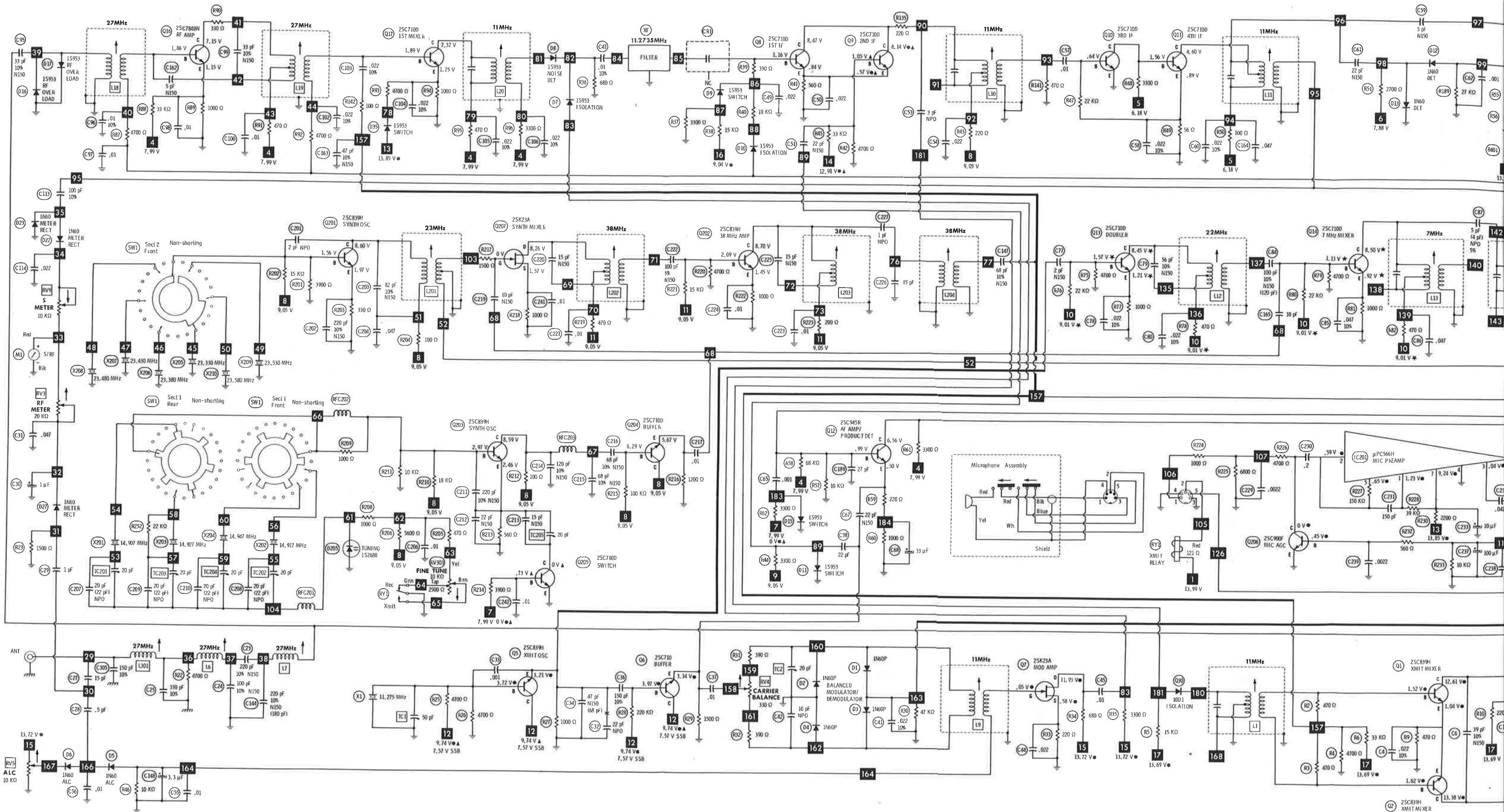
A PHOTOFAC STANDARD NOTATION SCHEMATIC

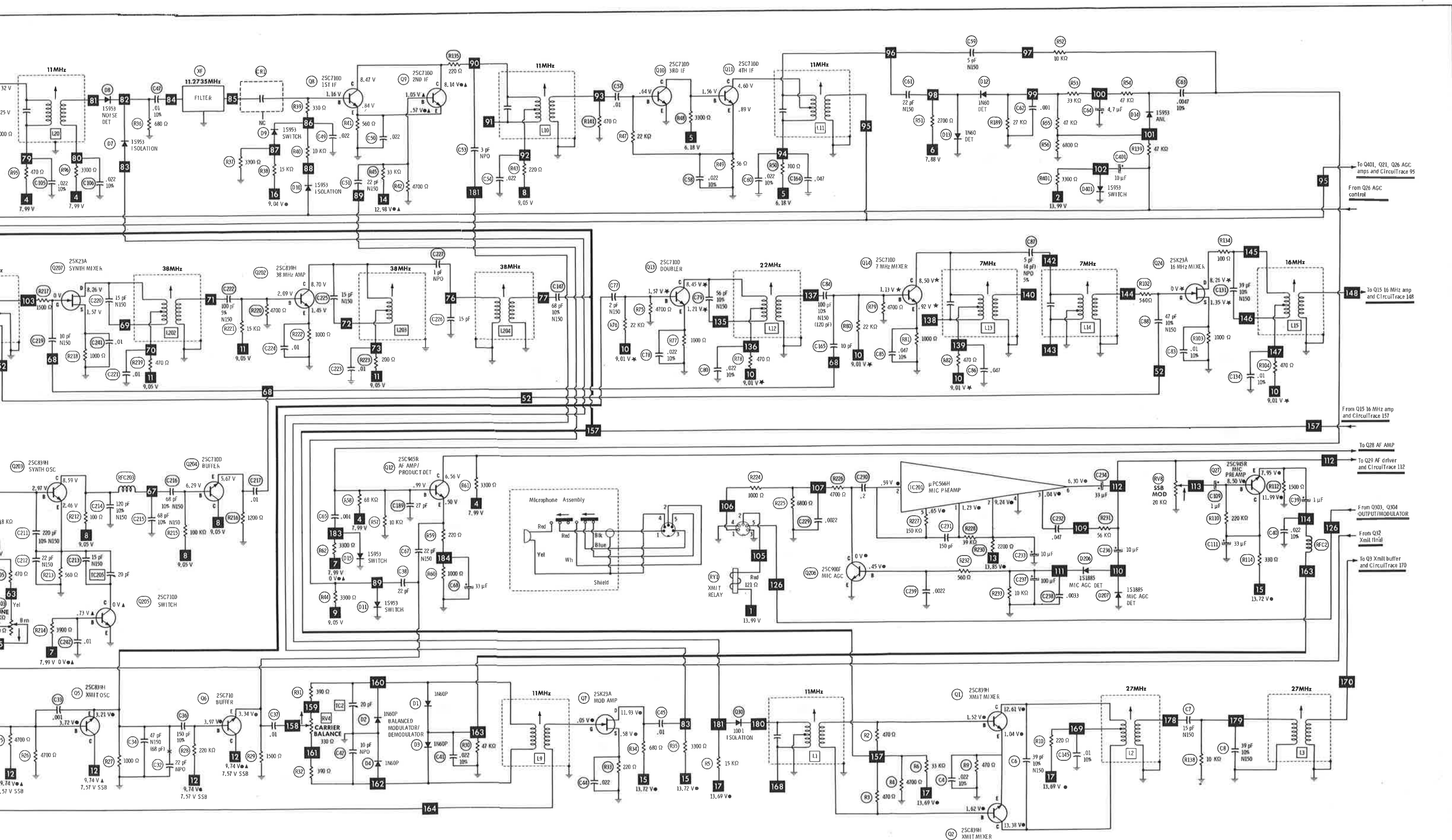
WITH CIRCUITRACE

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Chan	Crystal Complement	Chan	Crystal Complement	Chan	Crystal Complement	Chan	Crystal Complement
1	X205, X201	7	X206, X203	13	X208, X201	19	X209, X203
2	X205, X202	8	X206, X204	14	X208, X202	20	X209, X204
3	X205, X203	9	X207, X201	15	X208, X203	21	X210, X201
4	X205, X204	10	X207, X202	16	X208, X204	22	X210, X202
5	X206, X201	11	X207, X203	17	X209, X201		
6	X206, X202	12	X207, X204	18	X209, X202	23	X210, X204





LAFAYETTE MODEL TELSAT SSB-75

WIRING DATA

General-use Hook-up Wire
Power Cord, 2-Wire
Shielded Antenna Lead
Coiled Microphone Cable

SEMICONDUCTORS (S

ITEM No.	TYPE No.	MFR. PART No.	GE EL PA
D1	1N60P	2196-17	1N
D2	1N60P	2196-17	1N
D3	1N60P	2196-17	1N
D4	1N60P	2196-17	1N
D5	1N60	1000-17	1N
D6	1N60	1000-17	1N
D7	1S953	2066-17	GE
D8	1S953	2066-17	GE
D9	1S953	2066-17	GE
D10	1S953	2066-17	GE
D11	1S953	2066-17	GE
D12	1N60	1000-17	1N
D13	1N60	1000-17	1N
D14	1S953	2066-17	GE
D15	1S953	2066-17	GE
D16	1S953	2066-17	GE
D17	1S953	2066-17	GE
D20	1S953	2066-17	GE
D22	1N60	1000-17	1N
D23	1N60	1000-17	1N
D24	1N60	1000-17	1N
D25	1S953	2066-17	GE
D26	1S953	2066-17	GE
D27	1N60	1000-17	1N
D28	1S953	2066-17	GE
D29	1S953	2066-17	GE
D30	10D1	1674-17	GE
D31	RD8.2FB	2451-17	GE
D32	RD9.1FB	2452-17	GE
D33	RD9.1FB	2452-17	GE
D34	1S1124	2453-17	GE
D35	1S953	2066-17	GE
D37	1N60	1000-17	1N
D38	1N60	1000-17	1N
D39	1N60	1000-17	1N
D42	SR3AM-2	2454-17	GE
D205	1S2688	2402-17	GE
D206	1S1885	2084-17(1)	GE
	F14A		GE
D207	1S1885	2084-17(1)	GE
	F14A		GE
D401	1S953	2066-17	GE
IC201	uPC566H	1047-25	GE
Q1	2SC839H	1961-17	GE
Q2	2SC839H	1961-17	GE
Q3	2SC710D	2448-17	GE
Q4	BC546B	2449-17	GE
Q5	2SC839H	1961-17	GE
Q6	2SC710D	2448-17	GE
	2SC839H	1961-17(1)	GE
Q7	2SK23A	2336-17	GE
Q8	2SC710D	2448-17	GE
Q9	2SC710D	2448-17	GE
Q10	2SC710D	2448-17	GE
Q11	2SC710D	2448-17	GE

— Circuitry not used in some versions
--- Circuitry used in some versions
e See parts list
⊥ Ground
Chassis
Measurements with switching as shown unless noted:
■ Squelch fully clockwise ♦ 100% modulation
● Transmit ★ LSB ▲ AM
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
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LAFAYETTE MODEL TELSAT SSB-75

PARTS LIST AND DESCRIPTION (CONTINUED)

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

SEMICONDUCTORS (Select replacement transistor for best results)(cont)

ITEM No.	TYPE No.	MFR. PART No.	REPLACEMENT DATA							
			GENERAL ELECTRIC PART No.	IR WORKMAN PART No.	MALLORY PART No.	MOTOROLA PART No.	RAYTHEON PART No.	RCA PART No.	SPRAGUE PART No.	SYLVANIA PART No.
Q12	2SC945R	2063-17	GE-210	(IR)2SC945	PTC121	HEPS0015	RE 192	SK3124	RT-107A	ECG199
Q13	2SC710D	2448-17	GE-211	(IR)2SC710	PTC115	HEPS0016	RE 13	SK3018	RT-105	ECG123A
Q14	2SC710D	2448-17	GE-211	(IR)2SC710	PTC115	HEPS0016	RE 13	SK3018	RT-105	ECG123A
Q15	2SC710D	2448-17	GE-211	(IR)2SC710	PTC115	HEPS0016	RE 13	SK3018	RT-105	ECG123A
Q16	2SC784R	2127-17	GE-60	(IR)2SC380A0	PTC132	HEPS0008	RE 9	SK3018	RT-108A	ECG229
Q17	2SC710D	2448-17	GE-211	(IR)2SC710	PTC115	HEPS0016	RE 13	SK3018	RT-105	ECG123A
Q21	2SC945R	2063-17	GE-210	(IR)2SC945	PTC121	HEPS0015	RE 192	SK3124	RT-107A	ECG199
Q22	2SC945R	2063-17	GE-210	(IR)2SC945	PTC121	HEPS0015	RE 192	SK3124	RT-107A	ECG199
Q23	2SC945R	2063-17	GE-210	(IR)2SC945	PTC121	HEPS0015	RE 192	SK3124	RT-107A	ECG199
Q24	2SK23A	2336-17	GE-FET-2	FE-100	PTC161	HEPF0021	RE 45	SK3116	RT-175	ECG312
Q25	2SK33F	2450-17	GE-FET-1	FE-100	PTC151	HEPF0010	RE 46	SK3112	RT-176	ECG133
Q26	2SK33F	2450-17	GE-FET-1	FE-100	PTC151	HEPF0010	RE 46	SK3112	RT-176	ECG133
Q27	2SC945R	2063-17	GE-210	(IR)2SC945	PTC121	HEPS0015	RE 192	SK3124	RT-107A	ECG199
Q28	2SC945R	2063-17	GE-210	(IR)2SC945	PTC121	HEPS0015	RE 192	SK3124	RT-107A	ECG199
Q29	2SC945R	2063-17	GE-210	(IR)2SC945	PTC121	HEPS0015	RE 192	SK3124	RT-107A	ECG199
Q30	2SC710D	2448-17	GE-211	(IR)2SC710	PTC115	HEPS0016	RE 13	SK3018	RT-105	ECG123A
Q31	2SC1306	2399-17(10)	GE-215		PTC186		RE 203	SK3197		ECG235
Q32	2SC1307	2437-17(11)	GE-216		PTC186		RE 201	SK3197		ECG236
Q201	2SC839H	1961-17	GE-61	(IR)2SC644	PTC132	HEPS0015	RE 13	SK3018	RT-107A	ECG123A
Q202	2SC839H	1961-17	GE-61	(IR)2SC644	PTC132	HEPS0015	RE 13	SK3018	RT-107A	ECG123A
Q203	2SC839H	1961-17	GE-61	(IR)2SC644	PTC132	HEPS0015	RE 13	SK3018	RT-107A	ECG123A
Q204	2SC710D	2448-17	GE-211	(IR)2SC710	PTC115	HEPS0016	RE 13	SK3018	RT-105	ECG123A
Q205	2SC710D	2448-17	GE-211	(IR)2SC710	PTC115	HEPS0016	RE 13	SK3018	RT-105	ECG123A
Q206	2SC900F	2132-17	GE-62	(IR)2SC644	PTC132	HEPS0015	RE 192	SK3124	RT-107A	ECG199
Q207	2SK23A	2336-17	GE-FET-2	FE-100	PTC161	HEPF0021	RE 45	SK3116	RT-175	ECG312
Q303	2SD325E	2408-17(12)	GE-66	TR-76	PTC110	HEPS0027	RE 21	SK3054	RT-197	ECG152
Q304	2SD325E	2408-17(12)	GE-66	TR-76	PTC110	HEPS0027	RE 21	SK3054	RT-197	ECG152
Q401	2SC945R	2063-17	GE-210	(IR)2SC945	PTC121	HEPS0015	RE 192	SK3124	RT-107A	ECG199

- (1) Used in some versions.
 (10) Rating, 12 watts @ 3.0 amps.
 (11) Rating, 25 watts @ 8.0 amps.
 (12) Rating, 10 watts @ 1.5 amps.

LAFAYETTE MODEL TELSAT SSB-75

ELECTROLYTIC CAPACITORS

ITEM No.	RATING	REPLACEMENT DATA			
		MFR. PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.
C10	10 16V	1043-52	PC10-25	VTT10A25	EV-1222
C17	100 10V	1077-52	PC100-10	VTT100E10	EV-1130
C18	3.3 16V	1025-52	PC5-50	VTT3R3A50	EV-1318
C39	1 50V	1015-52	PC1-50	MTV1CB50	EV-1615
C64	4.7 25V	1031-52	PC5-50	VTT4R7A50	EV-1319
C68	33 10V	1057-52	PC30-25	VTT33A10	EV-1125
C108	33 16V	1049-52	PC30-25	VTT33D25	EV-1325
C109	1 50V	1015-52	PC1-50	MTV1CB50	EV-1615
C111	33 16V	1058-52	PC30-25	VTT33D25	EV-1325
C117	1 50V	1015-52	PC1-50	MTV1CB50	EV-1615
C119	.47 50V		PC1-50	VTT4R7B63	EV-1610
C121	.47 50V		PC1-50	VTT4R7B63	EV-1610
C123	100 16V	1080-52	PC100-16	VTT100F16	EV-1230
C125	100 16V	1080-52	PC100-16	VTT100F16	EV-1230
C127	100 16V	1080-52	PC100-16	VTT100F16	EV-1230
C128	100 16V	1080-52	PC100-16	VTT100F16	EV-1230
C132	100 16V	1080-52	PC100-16	VTT100F16	EV-1230
C133	33 16V	1058-52	PC30-25	VTT33D25	EV-1325
C135	2200 16V	1120-52	WBR2000-16	MTA2000G15	TVA-1170
C146	47 10V	1062-52	PC50-16	VTT47D16	EV-1226
C148	3.3 16V	1025-52	PC5-50	VTT3R3A50	EV-1318
C158	1 50V	1015-52	PC1-50	MTV1CB50	EV-1615
C233	10 16V	1043-52	PC10-25	VTT10A25	EV-1222
C234	33 16V	1058-52	PC30-25	VTT33D25	EV-1325
C236	10 16V	1043-52	PC10-25	VTT10A25	EV-1222
C237	100 16V	1080-52	PC100-16	VTT100F16	EV-1230
C401	10 16V	1043-52	PC10-25	VTT10A25	EV-1222

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.
C222	100 5% N150	1054-51	DC-103	GP10000	* MAG5011	10TCP-T10
C223	.01		DC-103	GP10000	MAG5011	2SS-S10
C224	.01				* MAG5011	2SS-S10
C225	15 N150	1003-51	DTZ-15	NP015	CN0415	10TCP-Q15
C226	15				CN0510	10TCC-Q15
C227	1 NPO				GP222	10TCC-V10
C229	.0022	1123-51	DD-222		PVC602	2SS-D22
C230	.2			DPMS2P2	CN0315	2PS-P20
C231	150	1190-51	DTZ-150		EWFA1A147	10TCC-T15
C232	.047 10% 50V			DPMS2S47	GP233	1PB-S47
C238	.0033	1191-51	DD-332	GP3300	GP222	2SS-D33
C239	.0022		DD-222		MAG5011	2SS-D22
C241	.01		DC-103	GP10000	MAG5011	2SS-S10
C242	.01		DC-103	GP10000	MAG5011	2SS-S10
C302	.047		DC-503	MGP05	MAG5015	TGL-S50
C303	.047		DC-503	MGP05	MAG5015	TGL-S50
C304	.047		DC-503	MGP05	MAG5015	TGL-S50
C305	150 10%		DTZ-150		CN0315	10TCC-T15
C306	.01		DC-103	GP10000	MAG5011	2SS-S10
C307	.047 10%			DPMS2S47	EWFA1A147	1PB-S47
TC1	50	1100-57				
TC201	20	1091-57				
TC205	20	1099-57				

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

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

ITEM No.	FUNCTION	RESIST-ANCE	REPLACEMENT DATA				
			MFR. PART No.	CENTRALAB PART No.	CLAROSTAT PART No.	MALLORY PART No.	TRW PART No.
RV1	Bias	1000	2737-13				
RV2	Bias	500	2489-13				
RV3	RF Meter	20K	2533-13				
RV4	Carrier Balance	330	2851-13				
RV5	ALC	10K	2801-13				
RV6	Squelch Range	50K					
RV7	AM Mod	20K	2533-13				
RV8	SSB Mod	20K	2533-13				
RV9	S Meter	10K	2801-13				
RV10	AGC	5000	2755-13				
RV11	Bias	1000	2737-13				
RV301	Volume/Switch	10K	1747-11				
RV302	Squelch	10K	1749-11				
RV303	Fine Tuning	10K	1803-11				
RV304	AM RF	Tap 2500 10 5W	1804-11				

COILS (RF-IF)

ITEM No.	FUNCTION	REPLACEMENT DATA			REMARKS
		PART No.	OTHER IDENTIFICATION	MILLER PART No.	
L1	Mod Amp (11MHz)	2223-24	ETI-0107		
L2	Xmit Mixer (27MHz)	2224-24	ETR-0293		
L3	Harmonic Suppressor (27MHz)	2225-24	ETR-0345		
L4	Xmit Amp (27MHz)	2226-24	ETR-0354		

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.	
L5	Xmit Driver (27MHz)	2227-24	ETR-0346		
L6	Pi Filter (27MHz)				
L7	Pi Filter (27MHz)	2228-24	ETR-0347		
L9	Balance Mod (11MHz)	2229-24	ETR-0350		
L10	IF (11MHz)				
L11	IF (11MHz)	2230-24	ETI-0126		
L12	Rec Doubler (22MHz)	2231-24	ETR-0290		
L13	Rec Mixer (7MHz)				
L14	Rec Mixer (7MHz)	2233-24	ETI-0127		
L15	Rec Mixer (16MHz)	2232-24	ETR-0353		
L16	Rec Mixer (16MHz)				
L17	Rec Mixer (16MHz)				
L18	Rec Ant (27MHz)	2234-24	ETR-0328		
L19	Rec RF (27MHz)	2731-23	ETR-0261		
L20	Rec Mixer (11MHz)	2235-24	ETR-0255		
L201	Synth Osc (23MHz)	2236-24	ETR-0351		
L202	Synth Mixer (38MHz)	2237-24	ETR-0291		
L203	Synth Mixer (38MHz)				
L204	Harmonic Suppressor (38MHz)				
L301	Pi Filter (27MHz)	2489-23	ETR-0135		
RFC1	RF Choke	2342-23	ELR-0004		
RFC2	RF Choke (1uH)	2746-23	ELR-0080		
RFC3	RF Choke	2217-23	ELR-0011		
RFC5	RF Choke (2.2uH)	2812-23	ELR-0128		
RFC6	RF Choke (68uH)	2813-23	ELR-0125		
RFC7	RF Choke				
RFC8	RF Choke				
RFC9	RF Choke				
RFC201	RF Choke (4.3uH)	2815-23	ELR-0132		
RFC202	RF Choke (2.7uH)	2816-23	ELR-0133		
RFC203	RF Choke (2.0uH)	2817-23	ELR-0134		

LAFAYETTE MODEL TELSAT SSB-75

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	2.4A	.1	.17mH	2814-23 ELA17 (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.	
T1	1.5	1		1852-15 ETA55 (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.	
T2	18	8	1853-15 ETA68 (1)			(1) Number on unit.

PARTS LIST AND DESCRIPTION (CONTINUED)

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

SPEAKER

ITEM No.	TYPE	REPLACEMENT DATA		NOTES
		MFGR. PART No.	QUAM PART No.	
SP	3" PM 8 Ohms	1309-36	30A05Z8	

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	2.5 Amp Fast Acting			AGC2 1/2	HDJ	31202.5	150145	

MISCELLANEOUS

ITEM No.	PART NAME	PART No.	NOTES
XF	Filter	1392-35	(11.2735MHz)
CR1	Module	1453-50	(Rec IF)
M1	Meter	1224-27	
RL	Relay	1090-37	
SW1	Switch	2135-14	Channel Selector
SW301	Switch	2134-14	LSB-USB-AM
	Printed Circuit Board	1354-31	Main (EPO-0645)
	Printed Circuit Board	1355-31	Synthesizer (EPO-0654)

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	11.275	139135	AT60M11.275	Xmit Osc.	X206	23.380	139835	ATA14W23.380	5,6,7,8
X201	14.907	139335	ATC32W14.907	1,5,9,13,17,21	X207	23.430	139935	ATA14W23.430	9,10,11,12
X202	14.917	139435	AFC32W14.917	2,6,10,14,18,22	X208	23.480	140035	ATA14W23.480	13,14,15,16
X203	14.929	139535	AFC32W14.929	3,7,11,15,19	X209	23.530	140135	ATA14W23.530	17,18,19,20
X204	14.947	139635	ATC32W14.947	4,8,12,16,20,23	X210	23.580	140235	ATA14W23.580	21,22,23
X205	23.330	139735	ATA14W23.330	1,2,3,4					

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

ITEM	PART No.	ITEM	PART No.
Case A	1902-80	Rear Panel	1907-80
Case B	1903-80	Side Panel Right	1906-80
Knob, Volume	2033-18	Side Panel Left	1905-80
Knob, Channel Selector	2034-18	Microphone Holder	9672-10
Front Panel	1904-80	Mounting Bracket	9678-10

ACCESSORIES

ITEM	MFGR. PART No.	REMARKS
Microphone	1093-34	
DC Power Cord	1328-38	

PARTS LIST AND DESCRIPTION (CONTINUED)

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

SEMICONDUCTORS (Select replacement transistor for best results)(cont)

ITEM No.	TYPE No.	MFG. PART No.	REPLACEMENT DATA							
			GENERAL ELECTRIC PART No.	IR WORKMAN PART No.	MALLORY PART No.	MOTOROLA PART No.	RAYTHEON PART No.	RCA PART No.	SPRAGUE PART No.	SYLVANIA PART No.
Q12	2SC945R	2063-17	GE-210	(IR)2SC945	PTC121	HEPS0015	RE 192	SK3124	RT-107A	ECG199
Q13	2SC710D	2448-17	GE-211	(IR)2SC710	PTC115	HEPS0016	RE 13	SK3018	RT-105	ECG123A
Q14	2SC710D	2448-17	GE-211	(IR)2SC710	PTC115	HEPS0016	RE 13	SK3018	RT-105	ECG123A
Q15	2SC710D	2448-17	GE-211	(IR)2SC710	PTC115	HEPS0016	RE 13	SK3018	RT-105	ECG123A
Q16	2SC784R	2127-17	GE-60	(IR)2SC380A0	PTC132	HEPS0008	RE 9	SK3018	RT-108A	ECG229
Q17	2SC710D	2448-17	GE-211	(IR)2SC710	PTC115	HEPS0016	RE 13	SK3018	RT-105	ECG123A
Q21	2SC945R	2063-17	GE-210	(IR)2SC945	PTC121	HEPS0015	RE 192	SK3124	RT-107A	ECG199
Q22	2SC945R	2063-17	GE-210	(IR)2SC945	PTC121	HEPS0015	RE 192	SK3124	RT-107A	ECG199
Q23	2SC945R	2063-17	GE-210	(IR)2SC945	PTC121	HEPS0015	RE 192	SK3124	RT-107A	ECG199
Q24	2SK23A	2336-17	GE-FET-2	FE-100	PTC161	HEPF0021	RE 45	SK3116	RT-175	ECG312
Q25	2SK33F	2450-17	GE-FET-1	FE-100	PTC151	HEPF0010	RE 46	SK3112	RT-176	ECG133
Q26	2SK33F	2450-17	GE-FET-1	FE-100	PTC151	HEPF0010	RE 46	SK3112	RT-176	ECG133
Q27	2SC945R	2063-17	GE-210	(IR)2SC945	PTC121	HEPS0015	RE 192	SK3124	RT-107A	ECG199
Q28	2SC945R	2063-17	GE-210	(IR)2SC945	PTC121	HEPS0015	RE 192	SK3124	RT-107A	ECG199
Q29	2SC945R	2063-17	GE-210	(IR)2SC945	PTC121	HEPS0015	RE 192	SK3124	RT-107A	ECG199
Q30	2SC710D	2448-17	GE-211	(IR)2SC710	PTC115	HEPS0016	RE 13	SK3018	RT-105	ECG123A
Q31	2SC1306	2399-17(10)	GE-215		PTC186		RE 203	SK3197		ECG235
Q32	2SC1307	2437-17(11)	GE-216		PTC186		RE 201	SK3197		ECG236
Q201	2SC839H	1961-17	GE-61	(IR)2SC644	PTC132	HEPS0015	RE 13	SK3018	RT-107A	ECG123A
Q202	2SC839H	1961-17	GE-61	(IR)2SC644	PTC132	HEPS0015	RE 13	SK3018	RT-107A	ECG123A
Q203	2SC839H	1961-17	GE-61	(IR)2SC644	PTC132	HEPS0015	RE 13	SK3018	RT-107A	ECG123A
Q204	2SC710D	2448-17	GE-211	(IR)2SC710	PTC115	HEPS0016	RE 13	SK3018	RT-105	ECG123A
Q205	2SC710D	2448-17	GE-211	(IR)2SC710	PTC115	HEPS0016	RE 13	SK3018	RT-105	ECG123A
Q206	2SC900F	2132-17	GE-62	(IR)2SC644	PTC132	HEPS0015	RE 192	SK3124	RT-107A	ECG199
Q207	2SK23A	2336-17	GE-FET-2	FE-100	PTC161	HEPF0021	RE 45	SK3116	RT-175	ECG312
Q303	2SD325E	2408-17(12)	GE-66	TR-76	PTC110	HEPS0027	RE 21	SK3054	RT-197	ECG152
Q304	2SD325E	2408-17(12)	GE-66	TR-76	PTC110	HEPS0027	RE 21	SK3054	RT-197	ECG152
Q401	2SC945R	2063-17	GE-210	(IR)2SC945	PTC121	HEPS0015	RE 192	SK3124	RT-107A	ECG199

(1) Used in some versions.

(10) Rating, 12 watts @ 3.0 amps.

(11) Rating, 25 watts @ 8.0 amps.

(12) Rating, 10 watts @ 1.5 amps.

LAFAYETTE MODEL TELSAT 55B-75

ELECTROLYTIC CAPACITORS

ITEM No.	RATING	REPLACEMENT DATA			
		MFG. PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.
C10	10 16V	1043-52	PC10-25	VTT10A25	EV-1222
C17	100 10V	1077-52	PC100-10	VTT100E10	EV-1130
C18	3.3 16V	1025-52	PC5-50	VTT3R3A50	EV-1318
C39	1 50V	1015-52	PC1-50	MTV1CB50	EV-1615
C64	4.7 25V	1031-52	PC5-50	VTT4R7A50	EV-1319
C68	33 10V	1057-52	PC30-25	VTT33A10	EV-1125
C108	33 16V	1049-52	PC30-25	VTT33D25	EV-1325
C109	1 50V	1015-52	PC1-50	MTV1CB50	EV-1615
C111	33 16V	1058-52	PC30-25	VTT33D25	EV-1325
C117	1 50V	1015-52	PC1-50	MTV1CB50	EV-1615
C119	.47 50V		PC1-50	VTT4R7B63	EV-1610
C121	.47 50V		PC1-50	VTT4R7B63	EV-1610
C123	100 16V	1080-52	PC100-16	VTT100F16	EV-1230
C125	100 16V	1080-52	PC100-16	VTT100F16	EV-1230
C127	100 16V	1080-52	PC100-16	VTT100F16	EV-1230
C128	100 16V	1080-52	PC100-16	VTT100F16	EV-1230
C132	100 16V	1080-52	PC100-16	VTT100F16	EV-1230
C133	33 16V	1058-52	PC30-25	VTT33D25	EV-1325
C135	2200 16V	1120-52	WBR2000-16	MTA2000G15	TVA-1170
C146	47 10V	1062-52	PC50-16	VTT47D16	EV-1226
C148	3.3 16V	1025-52	PC5-50	VTT3R3A50	EV-1318
C158	1 50V	1015-52	PC1-50	MTV1CB50	EV-1615
C233	10 16V	1043-52	PC10-25	VTT10A25	EV-1222
C234	33 16V	1058-52	PC30-25	VTT33D25	EV-1325
C236	10 16V	1043-52	PC10-25	VTT10A25	EV-1222
C237	100 16V	1080-52	PC100-16	VTT100F16	EV-1230
C401	10 16V	1043-52	PC10-25	VTT10A25	EV-1222

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	.01			DPMS4S1	EWFA1A110	1PB-S10
C2	.047			MGP05	MAG5015	TGL-S50
C3	68 10% N150	1044-51	DC-503		*	10TCP-Q68
C4	.022 10%			DPMS2S22	EWFA1A122	1PB-S22
C5	.047		DC-503	MGP05	MAG5015	TGL-S50
C6	39 10% N150	1031-51			*	10TCP-Q39
C7	15 N150	1003-51			*	10TCP-Q15
C8	39 10% N150	1031-51			*	10TCP-39
C9	39 10% N150	1031-51			*	10TCP-39
C11	.01			DPMS4S1	EWFA1A110	1PB-S10
C12	.01 10%			DPMS4S1	EWFA1A110	1PB-S10
C13	82 10% N150	1050-51			*	10TCP-Q82
C14	.01 10%			DPMS4S1	EWFA1A110	1PB-S10
C15	.01		DC-103	GP10000	MAG5011	2SS-S10
C16	.047		DC-503	MGP05	MAG5015	TGL-S50
C19	.047			DPMS2S47	EWFA1A147	1PB-S47
C20	68 10% N150	1044-51			*	10TCP-Q68
C21	150		DTZ-150		CN0315	10TCC-T15
C22	.047		DC-503	MGP05	MAG5015	TGL-S50
C23	220 10% N150	1061-51			*	10TCP-T22
C24	100 10% N150	1054-51			*	10TCP-T10
C25	330 10%		DD-331	GP330	GP333	10TS-T33
C26	330 10%		DD-331	GP330	GP333	10TS-T33
C27	15		DTZ-15	NP015	CN0415	10TCC-Q15
C28	.5	1119-51			CN0510	10TCC-V10
C29	1				CN0510	10TCC-V10
C31	.047		DC-503	MGP05	MAG5015	TGL-S50
C32	22 NPO		DTZ-22	NP022	CN0422	10TCC-Q22
C33	.001		DD-102	GP1000	GP210	2SS-D10
C34	47 N150	1036-51			*	10TCP-Q47
C36	150 10%		DTZ-150		CN0315	10TCC-T15
C37	.01		DC-103	GP10000	MAG5011	2SS-S10
C38	22		DTZ-22	NP022	CN0422	10TCC-Q22
C40	.022 10%			DPMS2S22	EWFA1A122	1PB-S22
C41	.022 10%			DPMS2S22	EWFA1A122	1PB-S22
C42	10 NPO		DTZ-10	NP010	CN0410	10TCC-Q10
C44	.022			DPMS2S22	EWFA1A122	1PB-S22
C45	.01			DPMS4S1	EWFA1A110	1PB-S10
C46	.047			DPMS2S47	EWFA1A147	1PB-S47
C47	.01 10%			DPMS4S1	EWFA1A110	1PB-S10
C48	.022			DPMS2S22	EWFA1A122	1PB-S22
C49	.022			DPMS2S22	EWFA1A122	1PB-S22
C50	.022			DPMS2S22	EWFA1A122	1PB-S22
C51	22 N150	1019-51			*	10TCP-Q22
C52	.022			DPMS2S22	EWFA1A122	1PB-S22
C53	3 NPO		DTZ-3R3	NP03P3	CN0533	10TCC-V33
C54	.022		DD-202	GP2000	GP220	2SS-D20
C55	.01		DC-103	GP10000	MAG5011	2SS-S10
C56	.01		DC-103	GP10000	MAG5011	2SS-S10
C57	.01		DC-103	GP10000	MAG5011	2SS-S10
C58	.022 10%			DPMS2S22	EWFA1A122	1PB-S22
C59	5 N150	1009-51			*	10TCP-V50
C60	.022 10%			DPMS2S22	EWFA1A122	1PB-S22
C61	22 N150	1019-51			*	10TCP-Q22
C62	.002		DD-202	GP2000	GP220	2SS-D20
C63	.0047 10%			DPMS6D47	EWFA1A247	1PB-D47
C65	.001			DPMS6D1	EWFA1A210	1PB-D10
C66	.022			DPMS2S22	EWFA1A122	1PB-S22
C67	22 N150	1019-51			*	10TCP-Q22
C77	2 N150	1003-51			*	10TCP-V20
C78	.022 10%			DPMS2S22	EWFA1A122	1PB-S22
C79	56 10% N150	1164-51			*	10TCP-Q56
C80	.022 10%			DPMS2S22	EWFA1A122	1PB-S22
C83	.01 10%			DPMS4S1	EWFA1A110	1PB-S10
C84	110 10% N150	1054-51			*	10TCP-T10
C85	.047 10%			DPMS2S47	EWFA1A147	1PB-S47
C86	.047			DPMS2S47	EWFA1A147	1PB-S47
C87	5 5% NPO	1008-51			*	10TCC-V50
C88	47 10% N150	1036-51			*	10TCP-Q47
C89	.01 10%			DPMS4S1	EWFA1A110	1PB-S10
C90	.01 10%			DPMS4S1	EWFA1A110	1PB-S10
C91	39 5% NPO				CN0439	10TCC-Q39

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.
C92	.01 10%			DPMS4S1	EWFA1110	1PB-S10
C92	2 N150	1003-51			*	10TCP-V20
C94	47 10% N150	1036-51			*	10TCP-Q47
C95	33 10% N150	1027-51			*	10TCP-Q33
C96	.01 10%		DC-103	GP10000	MAG5011	2SS-S10
C97	.01			DPMS4S1	EWFA1110	1PB-S10
C98	.01			DPMS4S1	EWFA1110	1PB-S10
C99	33 10% N150	1027-51			*	10TCP-Q33
C100	.01			DPMS4S1	EWFA1110	1PB-S10
C102	.022 10%			DPMS2S22	EWFA1122	1PB-S22
C103	.022 10%			DPMS2S22	EWFA1122	1PB-S22
C104	.022 10%			DPMS2S22	EWFA1122	1PB-S22
C105	.022 10%			DPMS2S22	EWFA1122	1PB-S22
C106	.022 10%			DPMS2S22	EWFA1122	1PB-S22
C107	.047			DPMS2S47	EWFA1147	1PB-S47
C112	.047			DPMS2S47	EWFA1147	1PB-S47
C113	100 10%		DTZ-100	NP0100	CNO310	10TCC-T10
C115	10 NPO		DTZ-10	NP010	CNO410	10TCC-Q10
C116	.01			DPMS4S1	EWFA1110	1PB-S10
C118	.01 10%			DPMS4S1	EWFA1110	1PB-S10
C120	.01			DPMS4S1	EWFA1110	1PB-S10
C122	.01			DPMS4S1	EWFA1110	1PB-S10
C124	.1			DPMS2P1	EWFA1010	1PB-P10
C126	.047		DC-503	MGP05	MAG5015	TGL-S50
C129	.022 10%			DPMS2S22	EWFA1122	1PB-S22
C130	.022 10%			DPMS2S22	EWFA1122	1PB-S22
C131	39 10% N150	1031-51			*	10TCP-Q39
C134	.01 10%			DPMS4S1	EWFA1110	1PB-S10
C136	.047		DC-503	MGP05	MAG5015	TGL-S50
C137	.047		DC-503	MGP05	MAG5015	TGL-S50
C138	.047		DC-503	MGP05	MAG5015	TGL-S50
C139	.047		DC-503	MGP05	MAG5015	TGL-S50
C140	.047		DC-503	MGP05	MAG5015	TGL-S50
C141	.047		DC-503	MGP05	MAG5015	TGL-S50
C142	.047		DC-503	MGP05	MAG5015	TGL-S50
C143	.047		DC-503	MGP05	MAG5015	TGL-S50
C144	220 10% N150	1061-51			*	10TCP-T22
C145	.01 10%			DPMS4S1	EWFA1110	1PB-S10
C147	68 10% N150	1044-51			*	10TCP-Q68
C149	47 10% N150	1036-51			*	
C150	2 NPO		DTZ-2R2	NP02P2	CNO522	10TCC-V22
C152	.01		DC-103	GP10000	MAG5011	2SS-S10
C154	5 N750		DTN-5	N5	CN7550	10TCU-V50
C157	.022 10%			DPMS2S22	EWFA1122	1PB-S22
C160	.047		DC-503	MGP05	MAG5015	TGL-S50
C161	.01 10%			DPMS4S1	EWFA1110	1PB-S10
C162	5 N150	1009-5			*	10TCP-V50
C163	47 10% N150	1036-51			*	10TCP-Q47
C164	.047 10%			DPMS2S47	EWFA1147	1PB-S47
C165	10 10% N150	1014-51			*	10TCP-Q10
C189	27 10% N150	1023-51			*	10TCP-Q27
C201	2 NPO		DTZ-2R2	NP02P2	CNO522	10TCC-V22
C202	220 10% N150	1061-51			*	10TCP-T22
C203	82 10% N150	1056-51			*	10TCP-Q82
C204	.047					TGL-S50
C206	.01		DC-503	MGP05	MAG5015	2SS-S10
C207	20 NPO		DC-103	GP10000	MAG5011	10TCC-Q20
C208	20 NPO		DTZ-20	NP020	CNO420	10TCC-Q20
C209	20 NPO		DTZ-20	NP020	CNO420	10TCC-Q20
C210	20 NPO		DTZ-20	NP020	CNO420	10TCC-Q20
C211	220 10% N150	1061-51			*	10TCP-T22
C212	22 N150				*	10TCP-Q22
C213	15 N150	1003-51			*	10TCP-Q15
C214	120 10% N150	1055-51			*	10TCP-T12
C215	68 10% N150	1044-51			*	10TCP-Q68
C216	68 10% N150	1044-51			*	10TCP-Q68
C217	.01				*	10TCP-Q68
C218	.01		DC-103	GP10000	MAG5011	2SS-S10
C219	10 N150		DC-103	GP10000	MAG5011	2SS-S10
C220	15 N150	1003-51			*	10TCP-Q10
C221	.01		DC-103	GP10000	MAG5011	10TCP-Q15
						2SS-S10

LAFAYETTE MODEL TELSAT 55B-75

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.
C222	100 5% N150	1054-51	DC-103	GP10000	* MAG5011	10TCP-T10
C223	.01		DC-103	GP10000	MAG5011	2SS-S10
C224	.01				*	2SS-S10
C225	15 N150	1003-51	DTZ-15	NP015	CN0415	10TCP-Q15
C226	15				CN0510	10TCC-Q15
C227	1 NPO				GP222	10TCC-V10
C229	.0022	1123-51	DD-222	DPMS2P2	PVC602	2SS-D22
C230	.2				CN0315	2PS-P20
C231	150	1190-51	DTZ-150		EWFTA147	10TCC-T15
C232	.047 10% 50V			DPMS2S47	GP233	1PB-S47
C238	.0033	1191-51	DD-222	GP3300	GP233	2SS-D33
C239	.0022		DC-103	GP10000	GP233	2SS-D22
C241	.01		DC-103	GP10000	MAG5011	2SS-S10
C242	.01		DC-503	MGP05	MAG5011	2SS-S10
C302	.047		DC-503	MGP05	MAG5015	TGL-S50
C303	.047		DC-503	MGP05	MAG5015	TGL-S50
C304	.047		DC-503	MGP05	MAG5015	TGL-S50
C305	150 10%		DTZ-150		CN0315	10TCC-T15
C306	.01		DC-103	GP10000	MAG5011	2SS-S10
C307	.047 10%			DPMS2S47	EWFTA147	1PB-S47
TC1	50	1100-57				
TC201	20	1091-57				
TC205	20	1099-57				

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

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

ITEM No.	FUNCTION	RESIST-ANCE	REPLACEMENT DATA				
			MFR. PART No.	CENTRALAB PART No.	CLAROSTAT PART No.	MALLORY PART No.	TRW PART No.
RV1	Bias	1000	2737-13				
RV2	Bias	500	2489-13				
RV3	RF Meter	20K	2533-13				
RV4	Carrier Balance	330	2851-13				
RV5	ALC	10K	2801-13				
RV6	Squelch Range	50K					
RV7	AM Mod	20K	2533-13				
RV8	SSB Mod	20K	2533-13				
RV9	S Meter	10K	2801-13				
RV10	AGC	5000	2755-13				
RV11	Bias	1000	2737-13				
RV301	Volume/Switch	10K	1747-11				
RV302	Squelch	10K	1749-11				
RV303	Fine Tuning	10K	1803-11				
RV304	AM RF	Tap 2500 10 5W	1804-11				

COILS (RF-IF)

ITEM No.	FUNCTION	REPLACEMENT DATA			REMARKS
		PART No.	OTHER IDENTIFICATION	MILLER PART No.	
L1	Mod Amp (11MHz)	2223-24	ETI-0107		
L2	Xmit Mixer (27MHz)	2224-24	ETR-0293		
L3	Harmonic Suppressor (27MHz)	2225-24	ETR-0345		
L4	Xmit Amp (27MHz)	2226-24	ETR-0354		

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.	
L5	Xmit Driver (27MHz)	2227-24	ETR-0346		
L6	Pi Filter (27MHz)				
L7	Pi Filter (27MHz)	2228-24	ETR-0347		
L9	Balance Mod (11MHz)	2229-24	ETR-0350		
L10	IF (11MHz)				
L11	IF (11MHz)	2230-24	ETI-0126		
L12	Rec Doubler (22MHz)	2231-24	ETR-0290		
L13	Rec Mixer (7MHz)				
L14	Rec Mixer (7MHz)	2233-24	ETI-0127		
L15	Rec Mixer (16MHz)	2232-24	ETR-0353		
L16	Rec Mixer (16MHz)				
L17	Rec Mixer (16MHz)				
L18	Rec Ant (27MHz)	2234-24	ETR-0328		
L19	Rec RF (27MHz)	2731-23	ETR-0261		
L20	Rec Mixer (11MHz)	2235-24	ETR-0255		
L201	Synth Osc (23MHz)	2236-24	ETR-0351		
L202	Synth Mixer (38MHz)	2237-24	ETR-0291		
L203	Synth Mixer (38MHz)				
L204	Harmonic Suppressor (38MHz)				
L301	Pi Filter (27MHz)	2489-23	ETR-0135		
RFC1	RF Choke	2342-23	ELR-0004		
RFC2	RF Choke (1uH)	2746-23	ELR-0080		
RFC3	RF Choke	2217-23	ELR-0011		
RFC5	RF Choke (2.2uH)	2812-23	ELR-0128		
RFC6	RF Choke (68uH)	2813-23	ELR-0125		
RFC7	RF Choke				
RFC8	RF Choke				
RFC9	RF Choke				
RFC201	RF Choke (4.3uH)	2815-23	ELR-0132		
RFC202	RF Choke (2.7uH)	2816-23	ELR-0133		
RFC203	RF Choke (2.0uH)	2817-23	ELR-0134		

LAFAYETTE MODEL TELSAT 5SB-75

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	2.4A	.1	.17mH	2814-23 ELA17 (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.	
T1	1.5	1		1852-15 ETA55 (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.	
T2	18	8	1853-15 ETA68 (1)			(1) Number on unit.

PARTS LIST AND DESCRIPTION (CONTINUED)

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

SPEAKER

ITEM No.	TYPE	REPLACEMENT DATA		NOTES
		MFGR. PART No.	QUAM PART No.	
SP	3" PM 8 Ohms	1309-36	30A05Z8	

FUSE DEVICES

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	2.5 Amp Fast Acting			AGC2 1/2	HDJ	31202.5	150145		

MISCELLANEOUS

ITEM No.	PART NAME	PART No.	NOTES
XF	Filter	1392-35	(11.2735MHz)
CR1	Module	1453-58	(Rec IF)
M1	Meter	1224-27	
RL	Relay	1090-37	
SW1	Switch	2135-14	Channel Selector
SW301	Switch	2134-14	LSB-USB-AM
	Printed Circuit Board	1354-31	Main (EPO-0645)
	Printed Circuit Board	1355-31	Synthesizer (EPO-0654)

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	11.275	139135	AT60M11.275	Xmit Osc.	X206	23.380	139835	ATA14W23.380	5,6,7,8
X201	14.907	139335	ATC32W14.907	1,5,9,13,17,21	X207	23.430	139935	ATA14W23.430	9,10,11,12
X202	14.917	139435	AFC32W14.917	2,6,10,14,18,22	X208	23.480	140035	ATA14W23.480	13,14,15,16
X203	14.929	139535	AFC32W14.929	3,7,11,15,19	X209	23.530	140135	ATA14W23.530	17,18,19,20
X204	14.947	139635	ATC32W14.947	4,8,12,16,20,23	X210	23.580	140235	ATA14W23.580	21,22,23
X205	23.330	139735	ATA14W23.330	1,2,3,4					

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

ITEM	PART No.	ITEM	PART No.
Case A	1902-80	Rear Panel	1907-80
Case B	1903-80	Side Panel Right	1906-80
Knob, Volume	2033-18	Side Panel Left	1905-80
Knob, Channel Selector	2034-18	Microphone Holder	9672-10
Front Panel	1904-80	Mounting Bracket	9678-10

ACCESSORIES

ITEM	MFGR. PART No.	REMARKS
Microphone	1093-34	
DC Power Cord	1328-38	