



PHOTOFACT[®] with

CIRCUITRACE[®]

For Supplier Address See PHOTOFACT Index

NOTE

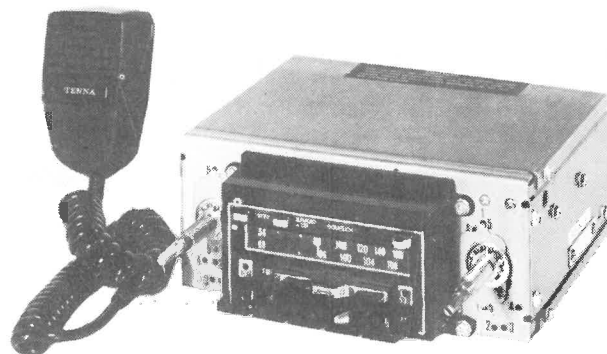
Repair or adjustment of transmitter circuits must be under supervision of a person with first-or second-class radiotelephone license.

(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 11302

MANUFACTURER'S SPECIFICATIONS

GENERAL

1. Channels (CB)
2. Frequency Range (CB)
3. Frequency Control (CB)
4. Frequency Tolerance (CB)
5. Power Supply
6. Polarity
7. Microphone (CB)
8. External Speaker (CB)
9. Public Address Speaker (CB)
10. Dimensions
11. Weight

40 Channel AM
26.965 to 27.405 MHz
PLL (Phase Locked-Loop Synthesizer)
± 0.005%
13.8 V DC (2 amp fused)
Neg. Ground
Dynamic (600 Ohms)
8 Ohms (not supplied)
3 Watts into 8 Ohms (not supplied)
3.18" H x 7.50" W x 6.00" Dp
5.62 Lbs.

CB RECEIVER

1. Sensitivity
2. Selectivity
3. Spurious Response
4. IF Frequency
5. Automatic Gain Control
6. Squelch Range
7. Frequency Response
8. Audio Output Power

Less than 1.0uV for 10dB S/N
Less than 10dB down ± 4KHz, more than 50dB down
± 10KHz
More than 30dB down
Double Conversion 9.785MHz and 455KHz from 10uV
Change in audio output less than 10dB for 10uV to 10mV
Threshold — Less than 0.5uV
Tight — More than 500uV
300 to 3,000 Hz
2.0 Watts @ 10% Distortion

CB TRANSMITTER

1. RF Output Power
2. Modulation Capability
3. Frequency Response
4. Harmonic Suppression
5. Output Impedance
6. Current Drain

4 Watts
More than 85%
300 to 3,000 Hz
More than 60dB
50 Ohms
1.5 amp

AM/FM RADIO

1. Power Output
2. Recommended Speaker Impedance
3. Distortion @ 1 Watt
4. Frequency Response
5. FM Stereo Separation
6. AM Sensitivity
7. FM Sensitivity

3.5 Watts per Channel
4 Ohms per Channel
Less than 3% @ 1KHz
70 Hz to 8KHz ± 5dB
More than 20dB
Less than 20uV for 20dB S/N and 1 Watt Output
Less than 5uV for 30dB S/N and 1 Watt Output

Courtesy of the Manufacturer

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

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TENNA MODEL 11302

ALIGNMENT INSTRUCTIONS

CAUTION: Use isolation transformer or observe polarity when connecting test equipment.
 Maintain line voltage at 120V AC. Allow a 15-minute warm-up period.
 Adjustments made with 13.8 volt DC input.
 Connect low sides of test equipment to ground unless specified otherwise.
 Connect 50-ohm dummy load or antenna before keying transmitter.
 Connect microphone.

Suggested Alignment Tools:

GC ELECTRONICS:

L1001, L503 thru L507, L601 5000, 5009, 8276, 8728, 9089

L1002 thru L1004, L501, L502, L602 thru L604 9440

L605, L606, L609, L610, L613 8728, 9304, 9089

SYNTHESIZER ALIGNMENT

TEST EQUIPMENT	TRANSCEIVER	ADJUST	REMARKS
Input of oscilloscope to TP1.	Ch. 19	L1001	Adjust for maximum RF (275mV p-p typical). (See Figure 1.)
Input of frequency counter to TP1.	Ch. 19		Check for 10.240MHz.
Input of DC meter to TP5 (Junction of R1026 and R1027).	Ch. 1	L1002	Adjust for 2.50 volts. Check for approximately 3.50 volts on Channel 40.
Input of oscilloscope to TP6 (LSI 1001 Pin 11).	Ch. 19	L1004	Adjust for maximum RF (1.5 volts p-p typical). (See Figure 2.)
Input of frequency counter to TP6 (LSI 1001 Pin 11).	Ch. 1		Check for 1.280MHz. Check all channels. (See Truth Chart for correct frequencies.)
Input of oscilloscope to TP4 (L1003 Secondary).	Ch. 19	L1003	Adjust for maximum RF (200mV p-p typical). (See Figure 3.)
Input of frequency counter to TP4 (L1003 Secondary).	Ch. 19		Check for 36.750MHz. Check all channels. (See Truth Chart for correct frequencies.)
Input of oscilloscope to TP7 (L601 Secondary).	Ch. 19, XMT	L601	Adjust for maximum RF (400mV p-p typical). (See Figure 4.)
Input of frequency counter to TP7 (L601 Secondary).	Ch. 19, XMT		Check for 9.785MHz.

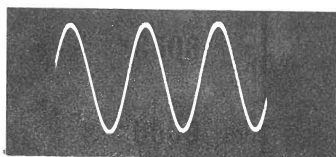


Figure 1

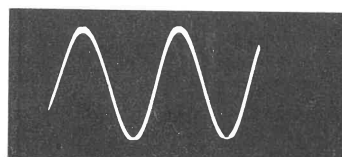


Figure 2

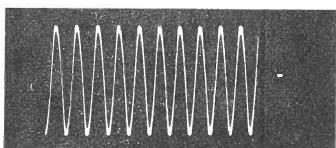


Figure 3

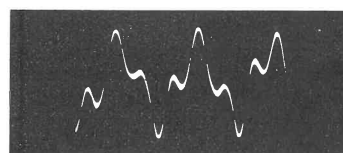


Figure 4

RECEIVER ALIGNMENT

Connect an AC VTVM or AF wattmeter across speaker voice coil.
Adjust volume control to obtain a suitable indication. Set generator output low enough to prevent AGC limiting. Preset controls as follows, unless otherwise noted:
Squelch MINIMUM, Standby Off, Tone Fully Clockwise.

TEST EQUIPMENT	TRANSCEIVER	ADJUST	REMARKS
Output of signal generator to TP8 (Q503 Base). 455kHz, 1000Hz @ 30% modulation.	Ch. 19	L507,L506, L505	Adjust for maximum output.
Output of signal generator to antenna input. 27.185MHz, 1000Hz @ 30% modulation.	Ch. 19	L504,L503, L502,L501	Adjust for maximum output. Readjust L505, L506 and L507 for maximum.

RECEIVER ADJUSTMENTS

Connect an AC VTVM or AF wattmeter across speaker voice coil.
Adjust volume control to obtain a suitable indication.
Preset controls as follows, unless otherwise noted:
Squelch MINIMUM, Standby Off, Tone Fully Clockwise.

TEST EQUIPMENT	TRANSCEIVER	ADJUST	REMARKS
Output of signal generator to antenna input. 27.185MHz, 1000Hz @ 30% modulation.	Ch. 19 Squelch Maximum	RV501	SQUELCH RANGE Adjust so squelch just breaks.

TRANSMITTER ALIGNMENT

Connect a 50-ohm, 25-watt dummy load to antenna connector.
NOTE: Be sure to check transmit frequency and power on all active channels after alignment of transmitter.
See page 4 for channel frequencies.

TEST EQUIPMENT	TRANSCEIVER	ADJUST	REMARKS
Input of RF wattmeter to antenna input.	Ch. 19	L602,L603, L604,L605, L607,L609	Adjust for maximum RF output.
Input of RF wattmeter to antenna input.	Ch. 19	L610	Adjust for 4.0 watts RF output maximum.
Input of spectrum analyzer or harmonic meter to antenna input.	Ch. 19	L613	Adjust for MINIMUM at 54MHz (2nd harmonic).

TRANSMITTER ADJUSTMENTS

Connect a 50-ohm, 25-watt dummy load to antenna connector.
NOTE: Be sure to check transmit frequency and power on all active channels after adjustment of transmitter.
See page 4 for channel frequencies.

ALIGNMENT INSTRUCTIONS

Check for specified source voltage
Connect low sides of generator and indicator to ground unless specified otherwise.
Use only enough generator output to provide a usable indication.

Suggested Alignment Tools: GC ELECTRONICS:
L105, L201, L202, L404 5000,5009,8276,8278,9089
L407 5000,5009,8276,8278,9089
T101, T102, T103, T402, T403 5000,8276,9089

PUSH-BUTTON ADJUSTMENT

- 
1. Pull button out.
 2. Tune manually to desired station.
 3. Press button in firmly.
 4. Repeat for remaining buttons.

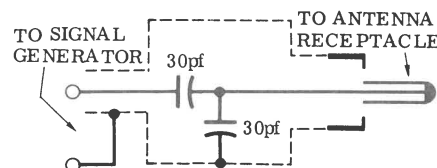
FIG. 2

AM ALIGNMENT—SELECTOR IN AM POSITION

Connect output meter across speaker voice coil.

GENERATOR COUPLING	GENERATOR FREQUENCY	RADIO DIAL SETTING	ADJUST	REMARKS
High side thru .1uF to antenna input.	455kHz 400Hz mod.	High freq end stop	L407	Adjust for maximum.
Thru dummy antenna to antenna input.	540kHz 400Hz mod.	540kHz	L404	Adjust for maximum.
Thru dummy antenna to antenna input.	1600kHz 400Hz mod.	1600kHz	T403	Adjust for maximum.
Thru dummy antenna to antenna input.	1400kHz 400Hz mod.	1400kHz	T402	Adjust for maximum. Repeat alignment until no further improvement is noted.

With radio installed in car and antenna extended 36", tune in a weak station near 1400kHz and adjust T401 for maximum output. Antenna adjustment is located at right rear of chassis.



FM IF ALIGNMENT USING FM SIGNAL GENERATOR—SELECTOR IN FM POSITION

High side of generator thru .001uF to TPIF.
Use 60-hertz, frequency-modulated signal, 450kHz sweep.
Use 60-hertz sawtooth voltage in scope for horizontal deflection.

GENERATOR FREQUENCY	RADIO DIAL SETTING	INDICATOR	ADJUST	REMARKS
10.7MHz 450kHz Sweep	Point of non-interference	Vert input of scope to TPFM (Junction of R301 & C302).	(1)L201, L202, L105	Adjust for maximum amplitude and straightness of line, similar to Fig. 2.

FM RF ALIGNMENT—SELECTOR IN FM POSITION

Connect generator across antenna terminals with 120-ohm carbon resistor in series with each lead.
Adjustment of coils by bending should not be attempted unless the coil is deformed or replaced.

GENERATOR FREQUENCY	RADIO DIAL SETTING	INDICATOR	ADJUST	REMARKS
88MHz Unmodulated	88MHz	AC probe of VTVM across speaker.	T103	Adjust for maximum.
108MHz Unmodulated	108MHz	"	L106	Adjust for maximum.
90MHz Unmodulated	90MHz	"	T101, T102	Adjust for maximum.
106MHz Unmodulated	106MHz	"	L101, L103	Adjust for maximum. Repeat FM RF steps until no further improvement is noted.

(1) Before adjusting, vary generator frequency slightly. Maximum output indicates exact IF.

FM STEREO ALIGNMENT USING AUDIO GENERATOR

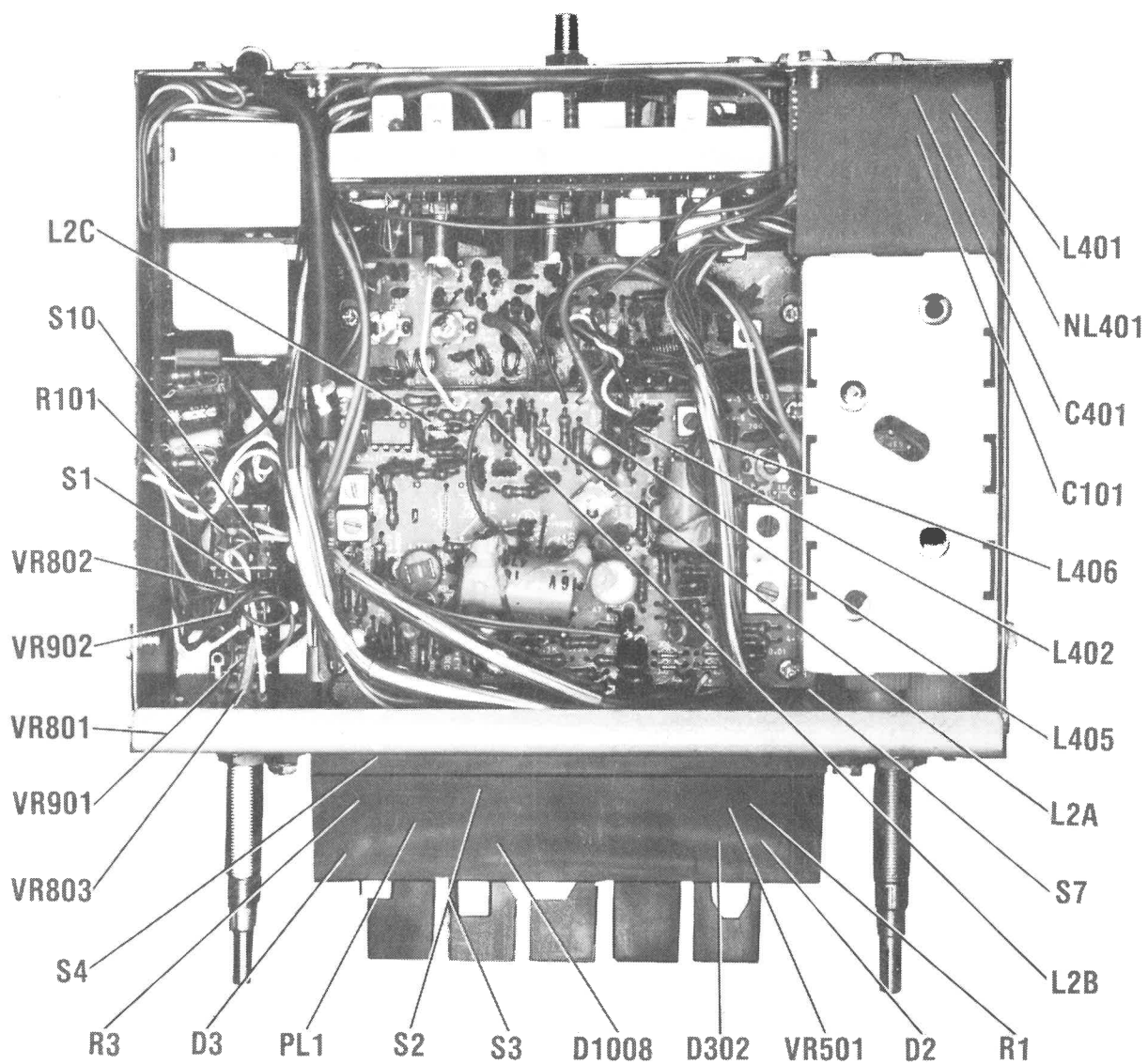
Connect a jumper from TPFM to ground.

GENERATOR FREQUENCY	INDICATOR	ADJUST	REMARKS
	Input of frequency counter to TP 19kHz.	VR301	Adjust for 19kHz $\pm$ 20Hz.

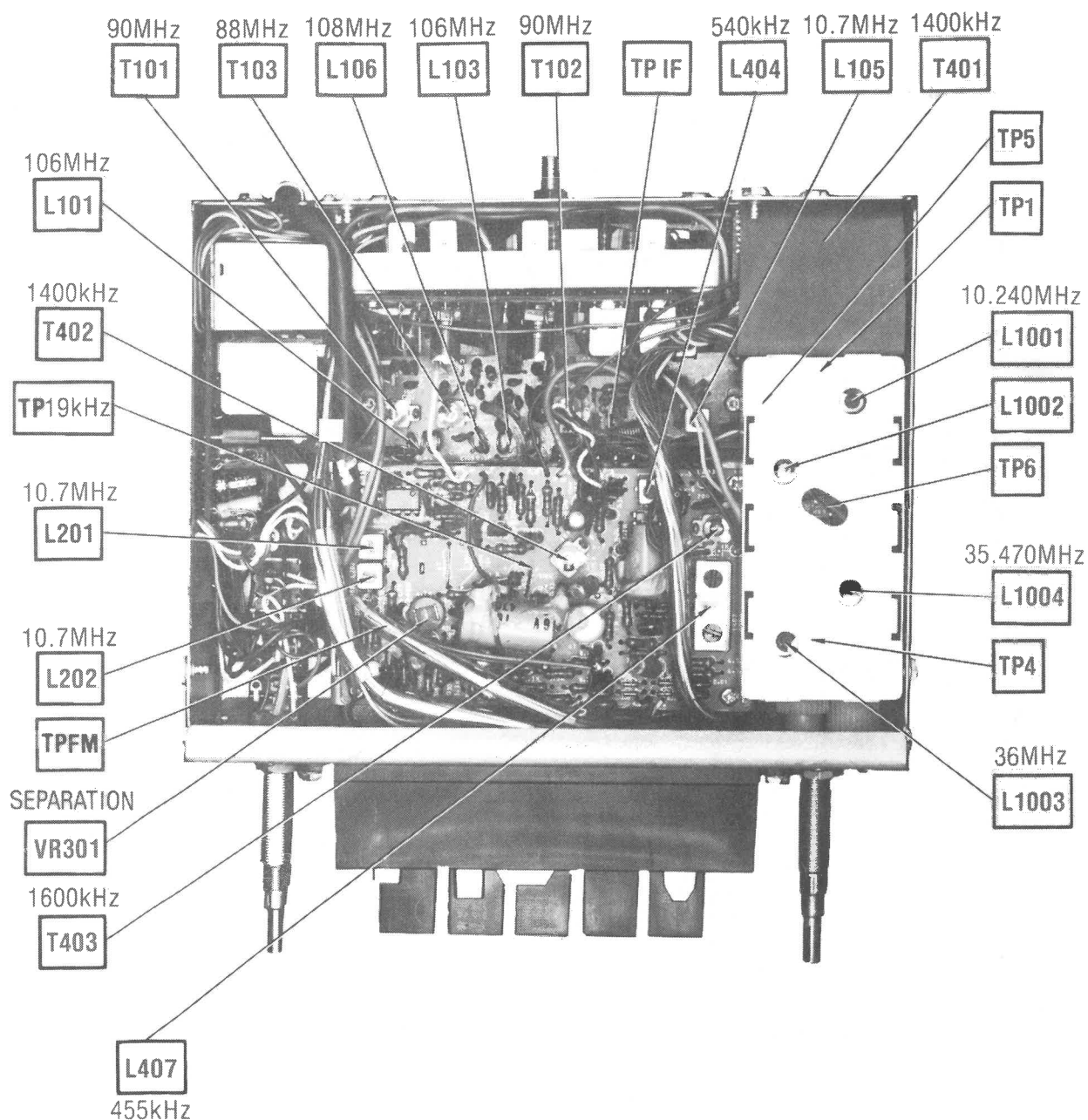
TRUTH CHART

C H A N N E L	1 = 5.96 Volts 0 = 0 Volts								DIVIDER INPUT IN MHz AT TP6	VCO OUTPUT IN MHz AT TP4	
	CHANNEL INPUT CODES										
	LSI1001 PINS										
	2	1	15	14	13	12					
1	0	0	0	0	0	0			1.280	36.750	
2	0	0	0	0	0	1			1.290	36.760	
3	0	0	0	0	1	0			1.300	36.770	
4	0	0	0	1	0	0			1.320	36.790	
5	0	0	0	1	0	1			1.330	36.800	
6	0	0	0	1	1	0			1.340	36.810	
7	0	0	0	1	1	1			1.350	36.820	
8	0	0	1	0	0	1			1.370	36.840	
9	0	0	1	0	1	0			1.380	36.850	
10	0	0	1	0	1	1			1.390	36.860	
11	0	0	1	1	0	0			1.400	36.870	
12	0	0	1	1	1	0			1.420	36.890	
13	0	0	1	1	1	1			1.430	36.900	
14	0	1	0	0	0	0			1.440	36.910	
15	0	1	0	0	0	1			1.450	36.920	
16	0	1	0	0	1	1			1.470	36.940	
17	0	1	0	1	0	0			1.480	36.950	
18	0	1	0	1	0	1			1.490	36.960	
19	0	1	0	1	1	0			1.500	36.970	
20	0	1	1	0	0	0			1.520	36.990	
21	0	1	1	0	0	1			1.530	37.000	
22	0	1	1	0	1	0			1.540	37.010	
23	0	1	1	1	0	1			1.570	37.040	
24	0	1	1	0	1	1			1.550	37.020	
25	0	1	1	1	0	0			1.560	37.030	
26	0	1	1	1	1	0			1.580	37.050	
27	0	1	1	1	1	1			1.590	37.060	
28	1	0	0	0	0	0			1.600	37.070	
29	1	0	0	0	0	1			1.610	37.080	
30	1	0	0	0	1	0			1.620	37.090	
31	1	0	0	0	1	1			1.630	37.100	
32	1	0	0	1	0	0			1.640	37.110	
33	1	0	0	1	0	1			1.650	37.120	
34	1	0	0	1	1	0			1.660	37.130	
35	1	0	0	1	1	1			1.670	37.140	
36	1	0	1	0	0	0			1.680	37.150	
37	1	0	1	0	0	1			1.690	37.160	
38	1	0	1	0	1	0			1.700	37.170	
39	1	0	1	0	1	1			1.710	37.180	
40	1	0	1	1	0	0			1.720	37.190	

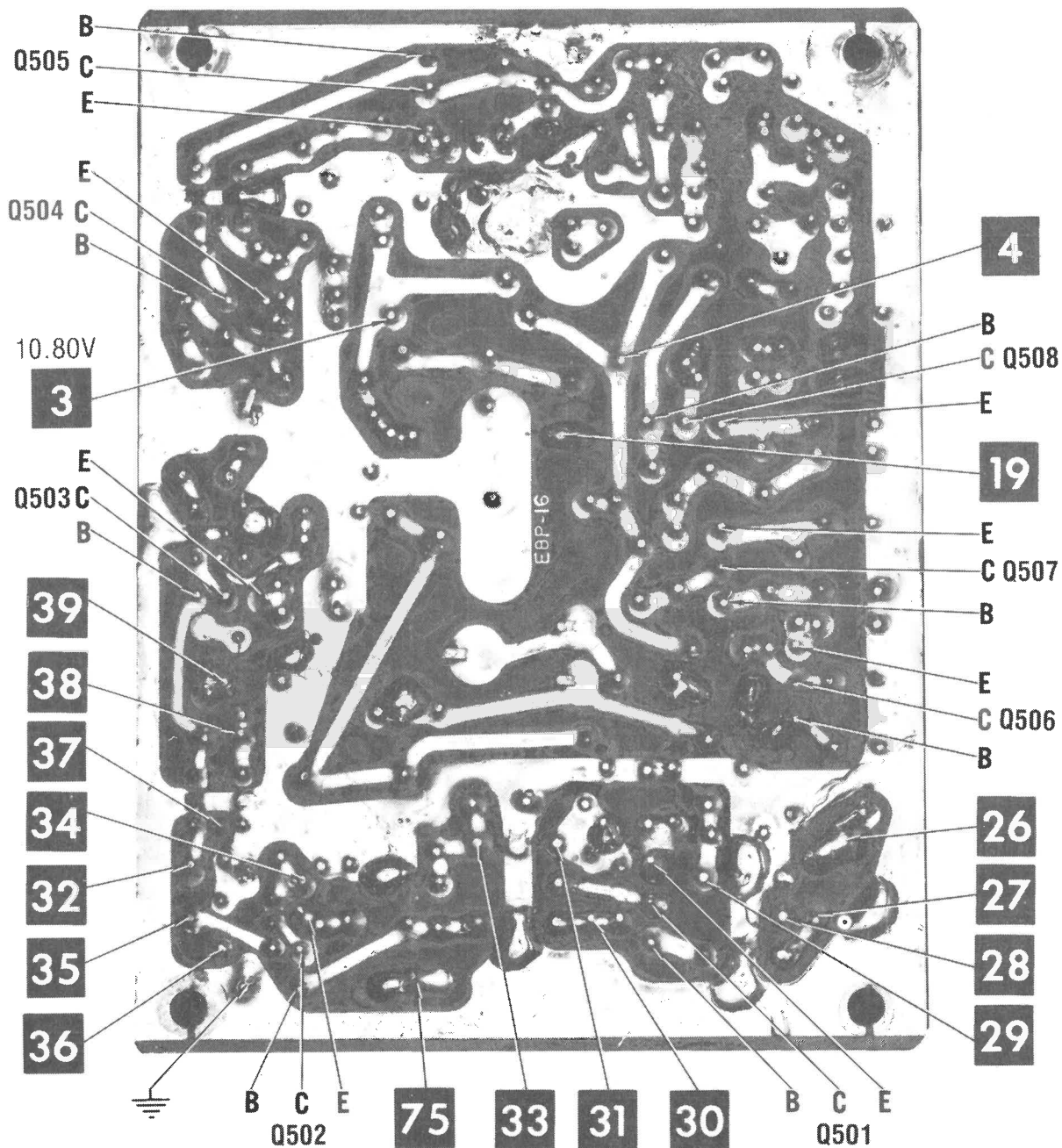
TENNA MODEL 11302



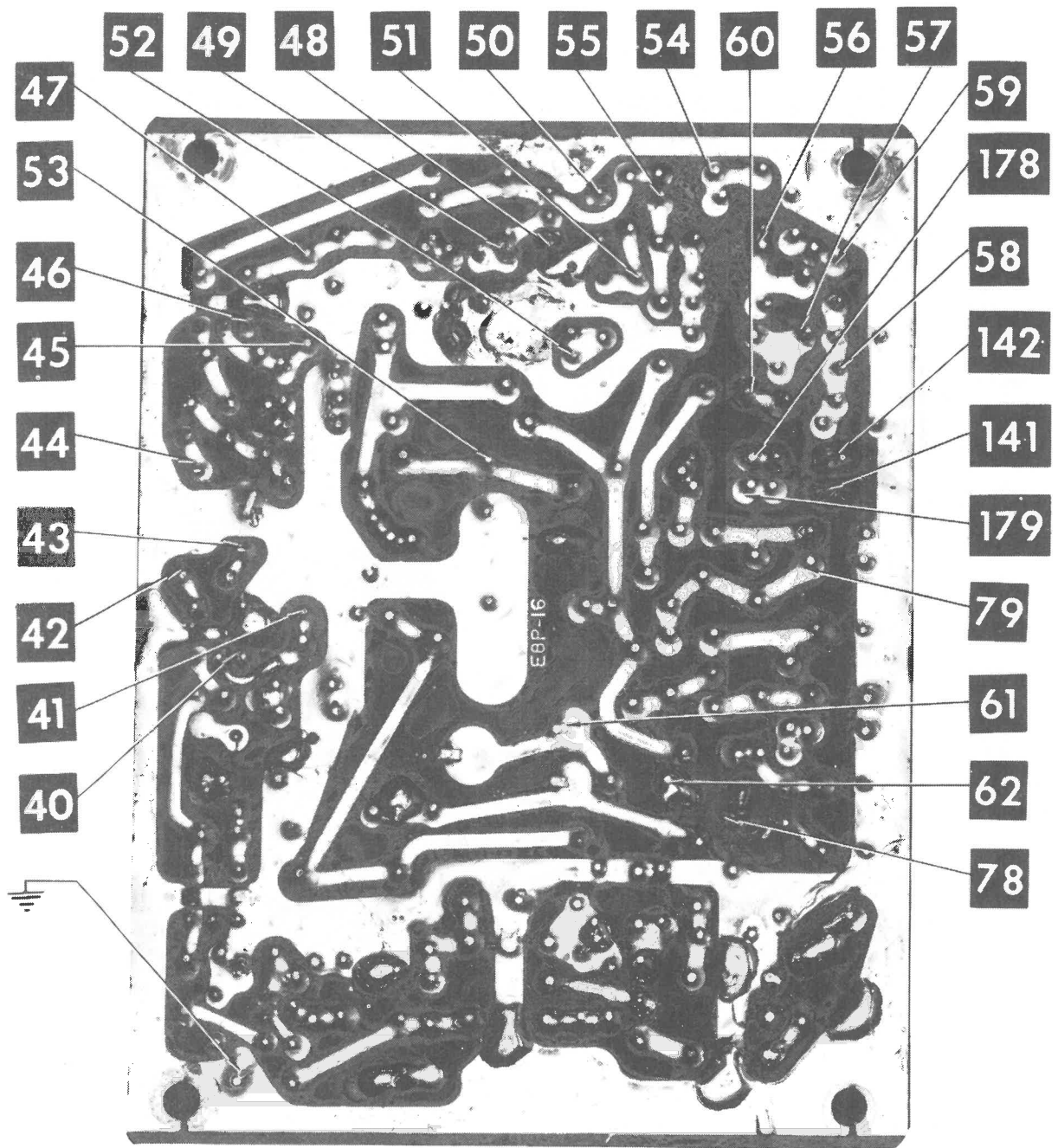
CHASSIS VIEW



CHASSIS VIEW

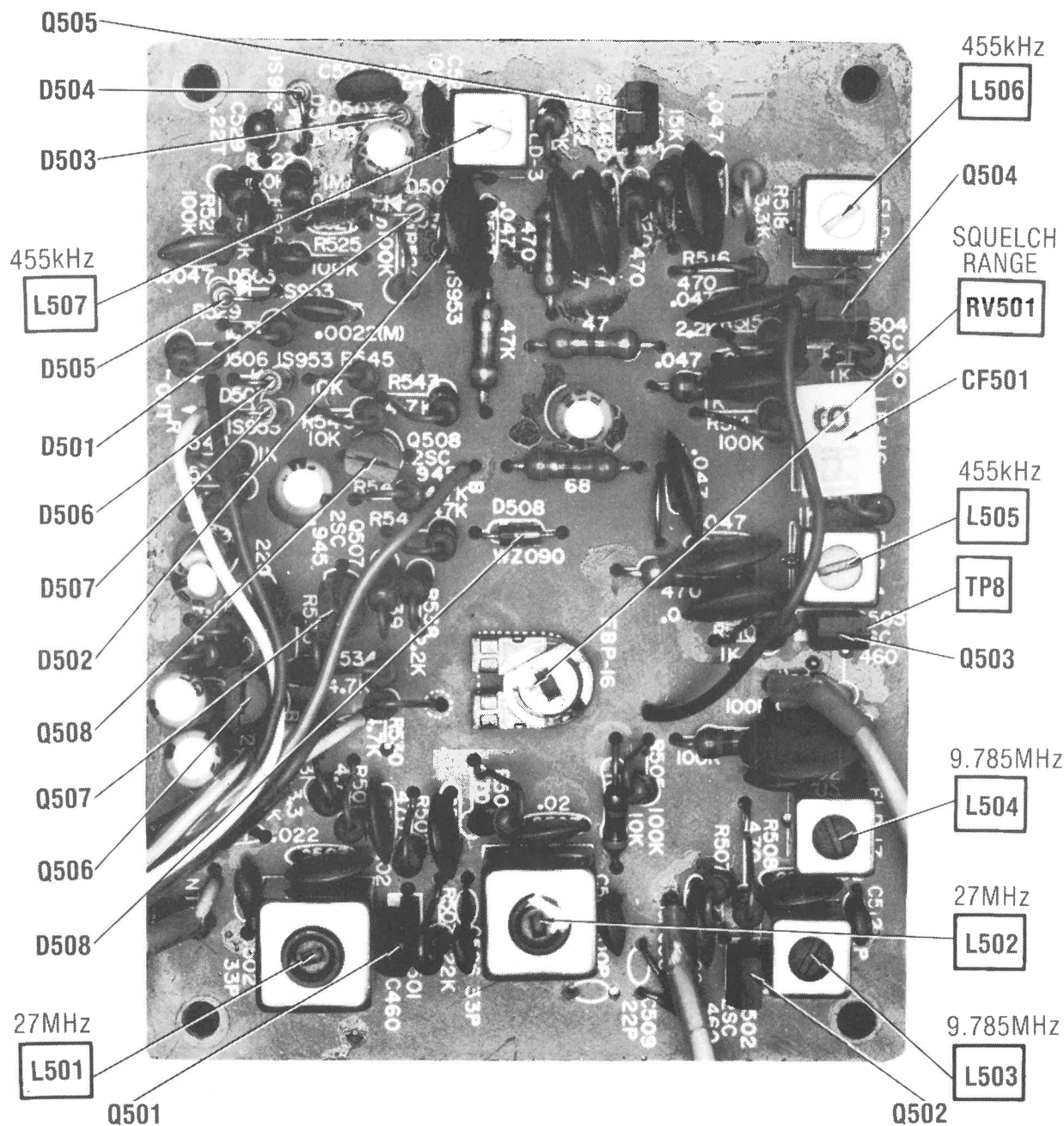


CB RECEIVE BOARD

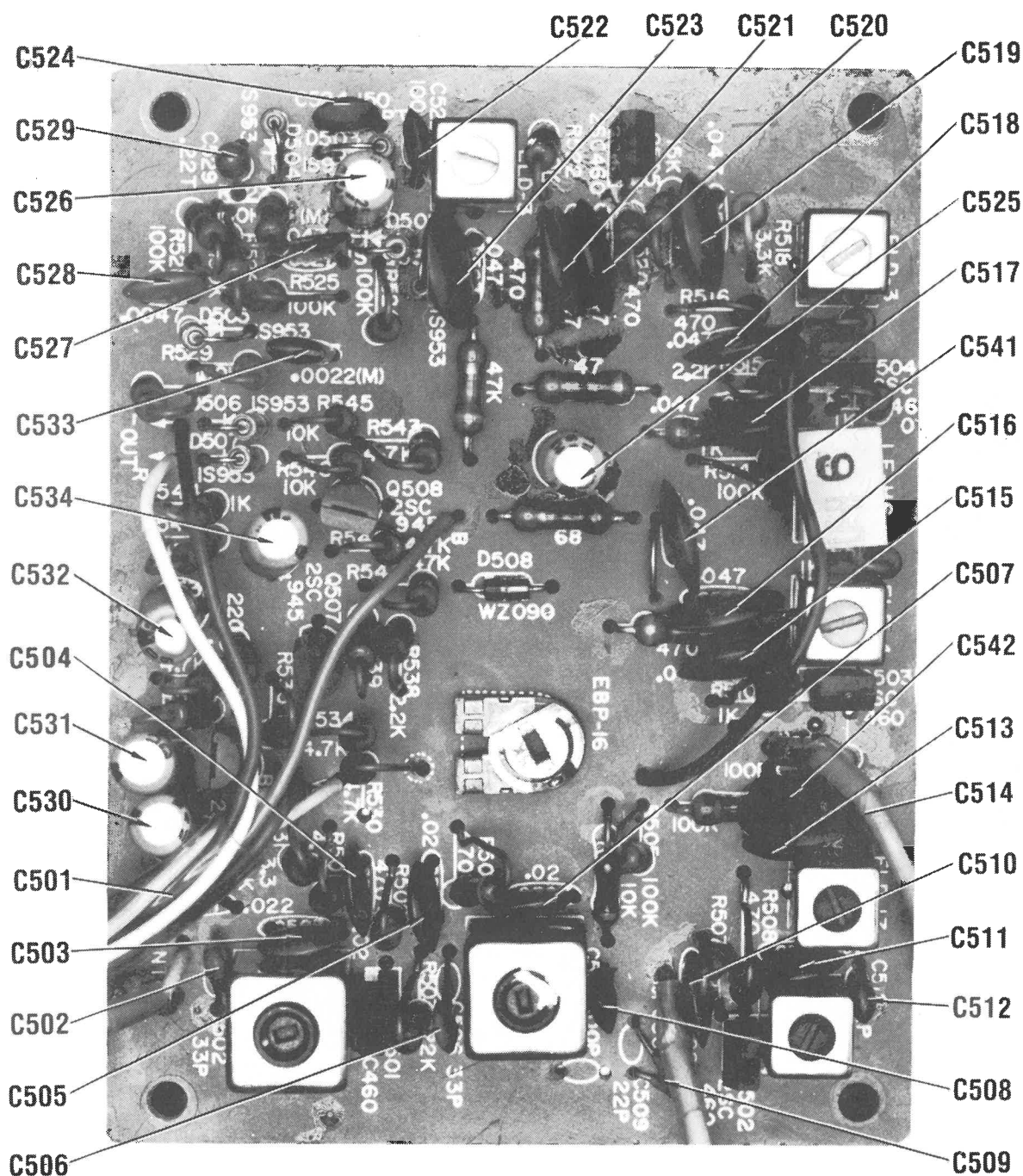


TENNA MODEL 11302

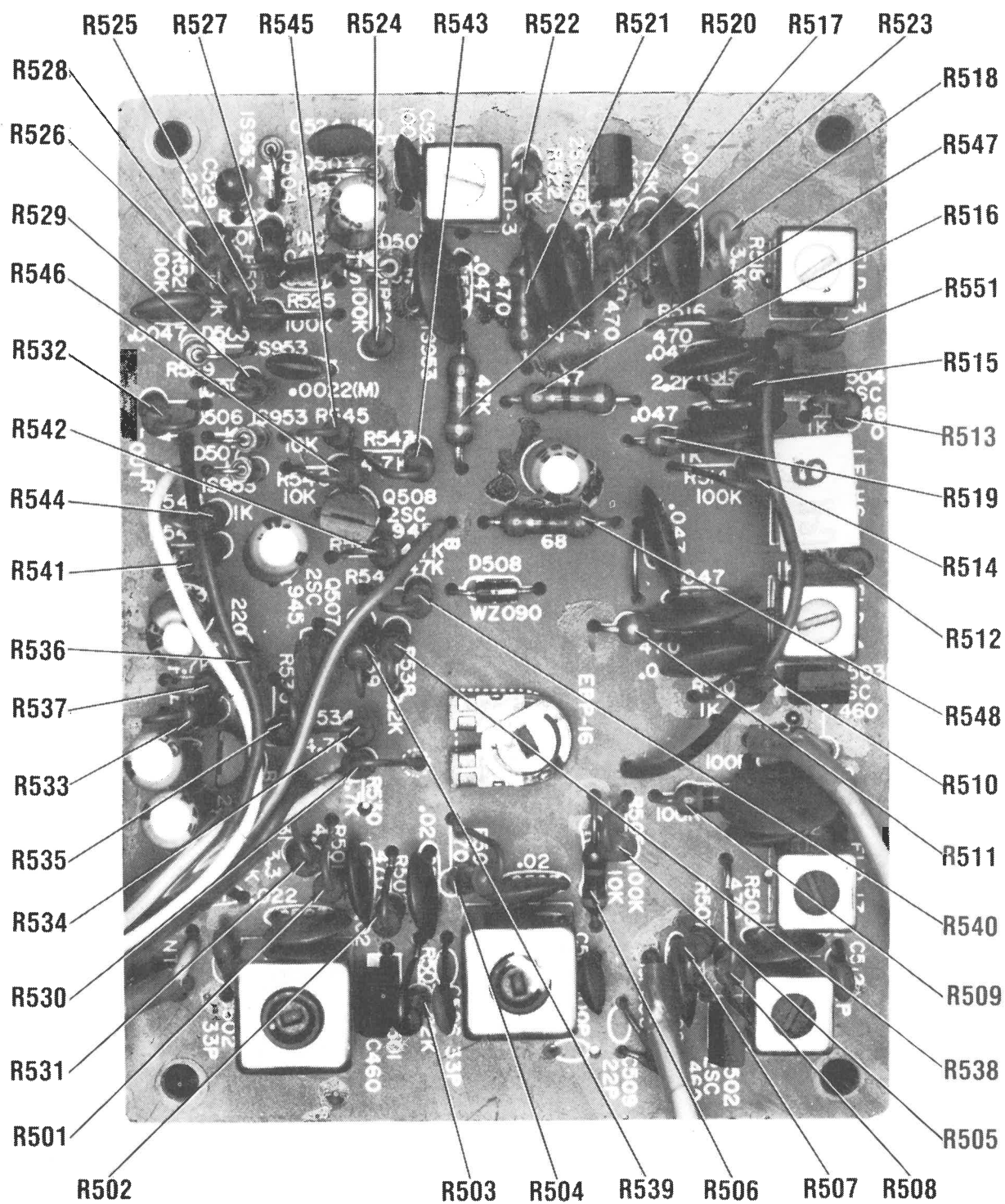
CB RECEIVE BOARD



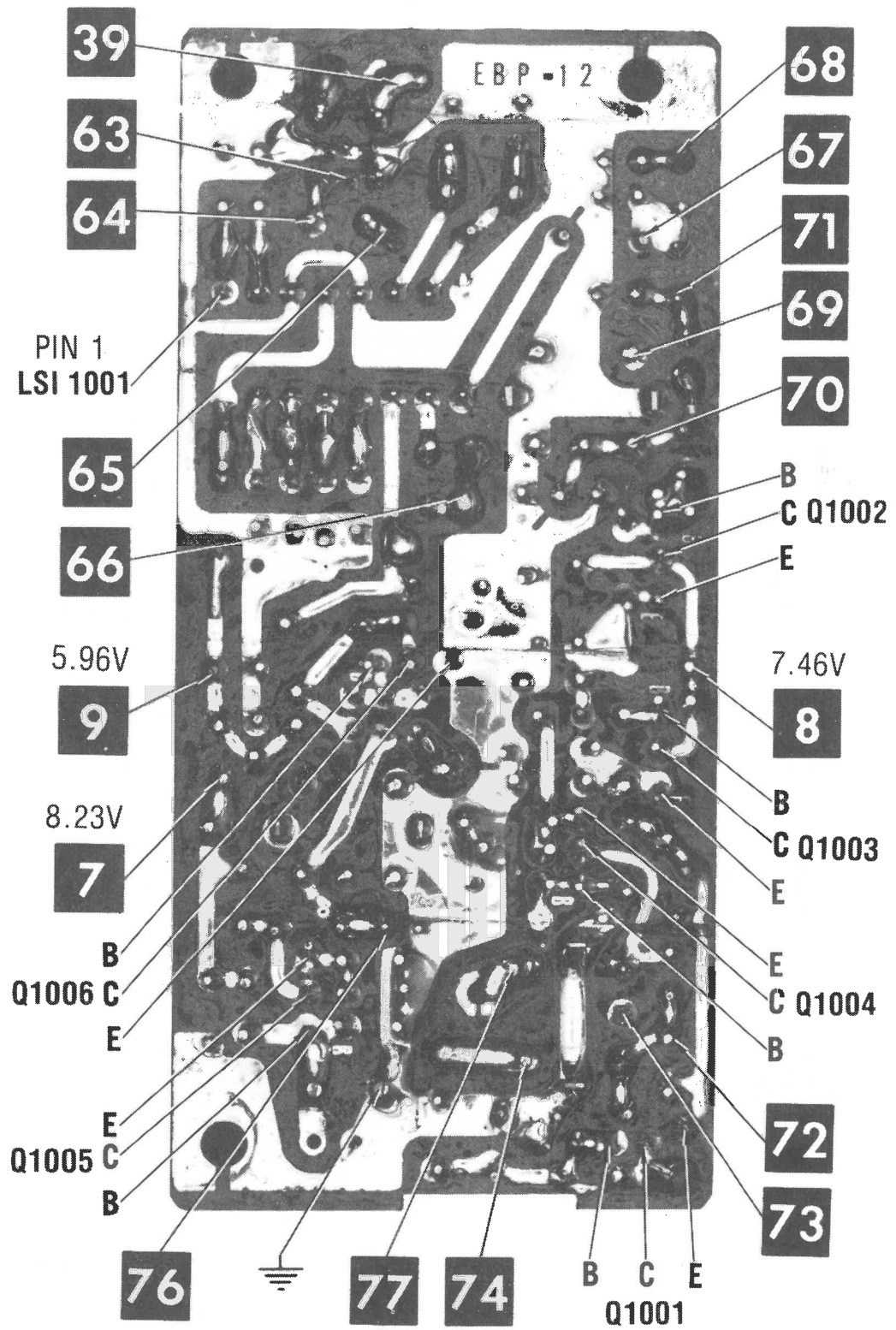
CB RECEIVE BOARD



CB RECEIVE BOARD

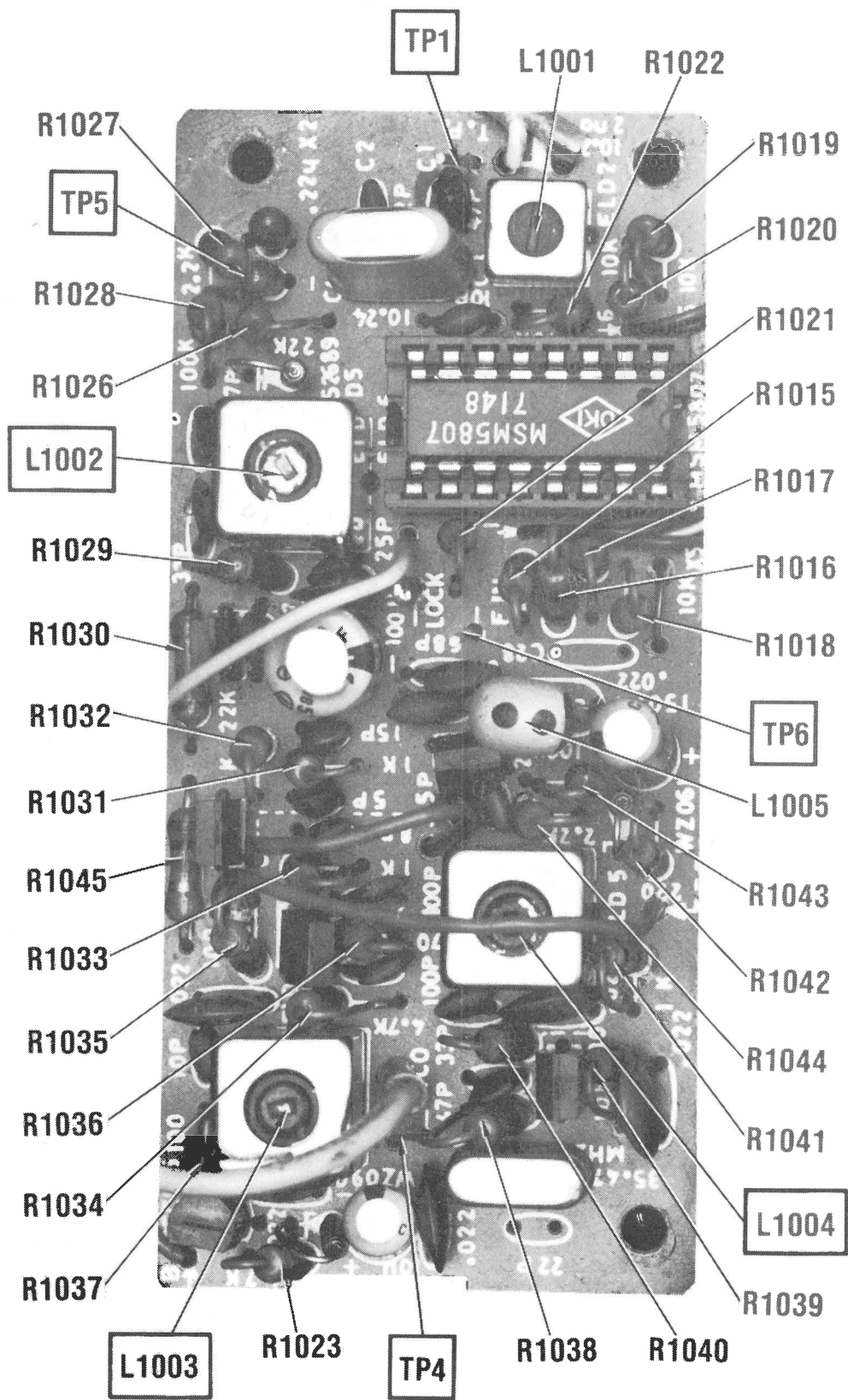


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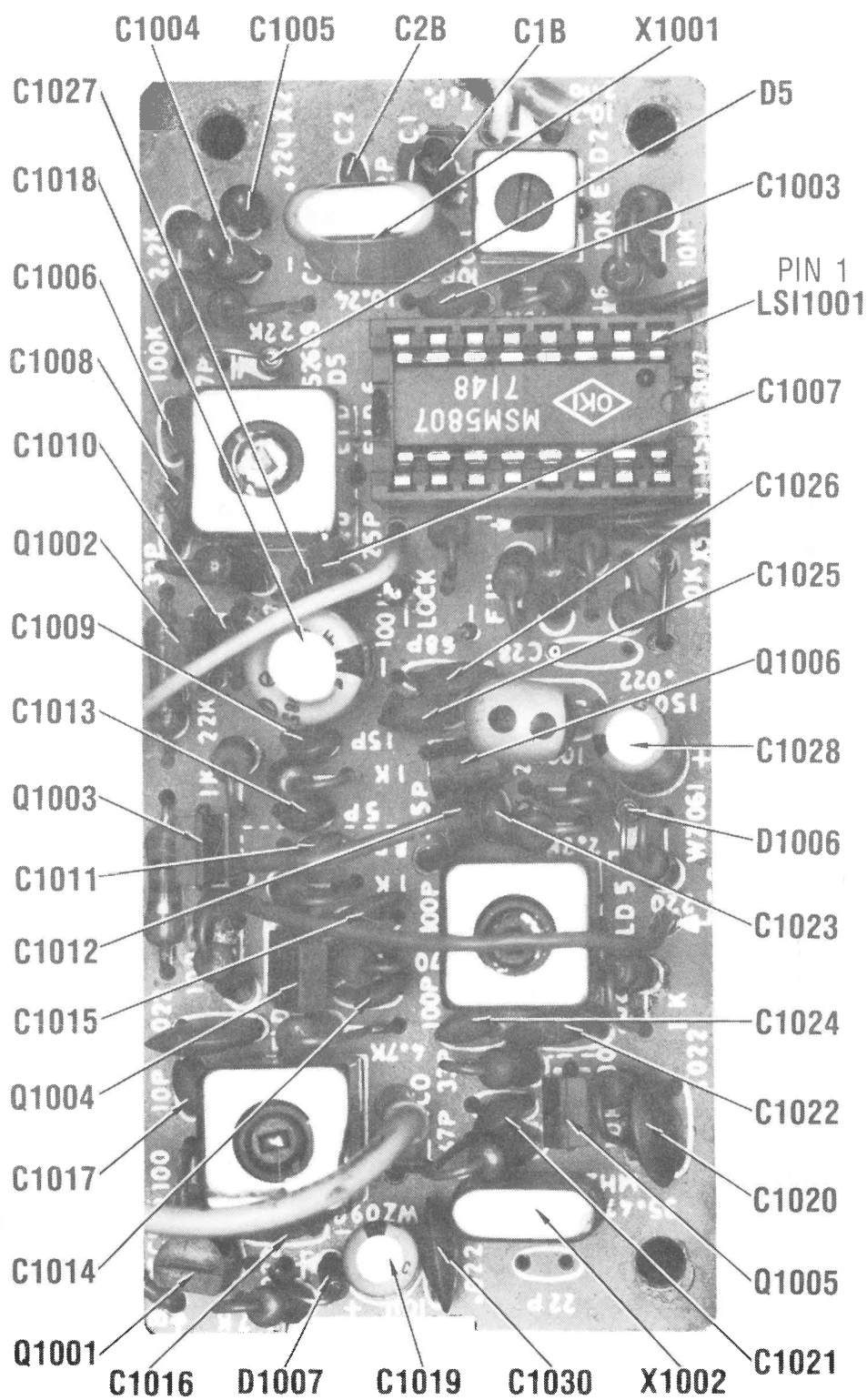


TENNA MODEL 11302

PLL BOARD

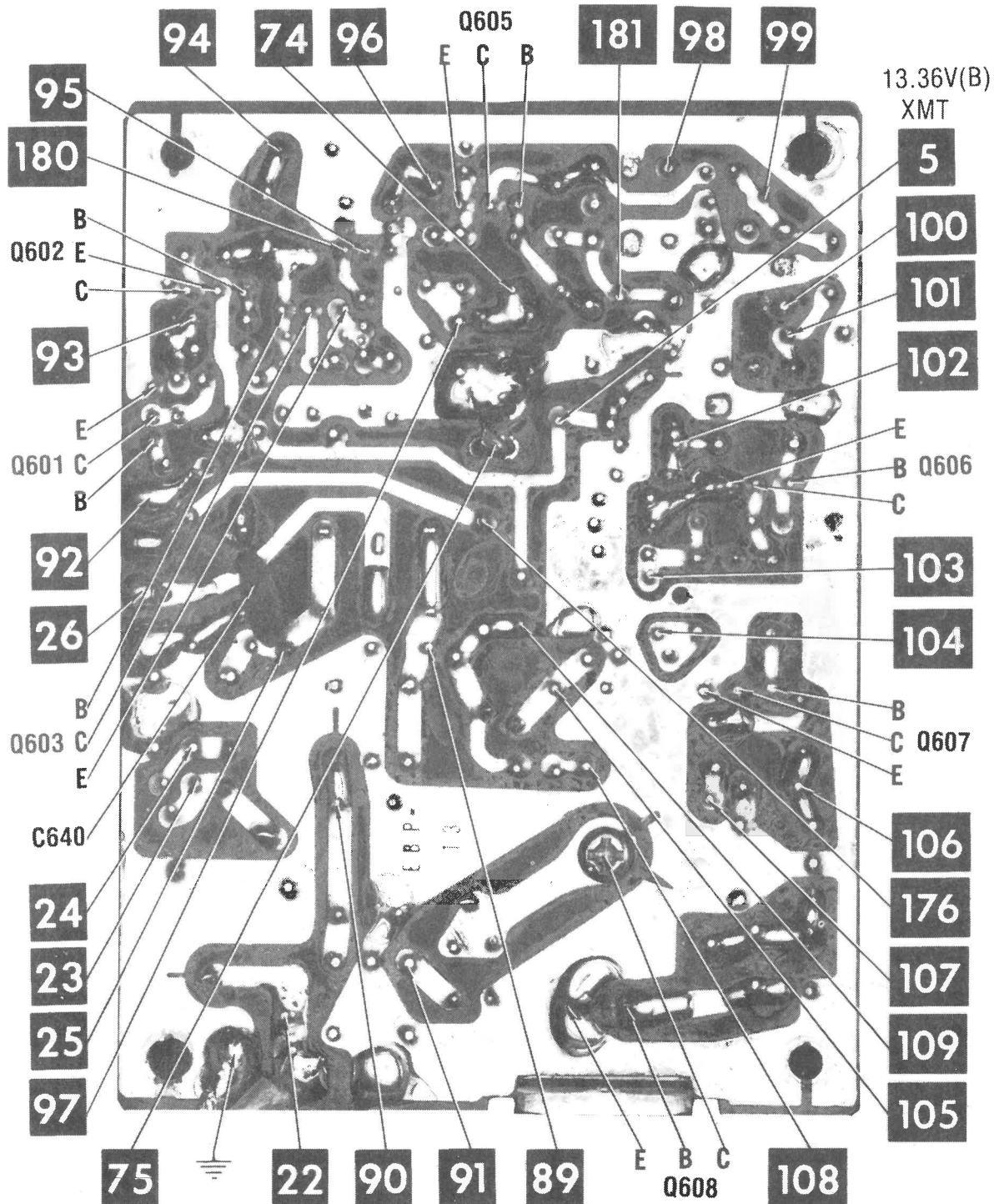


PLL BOARD



PLL BOARD

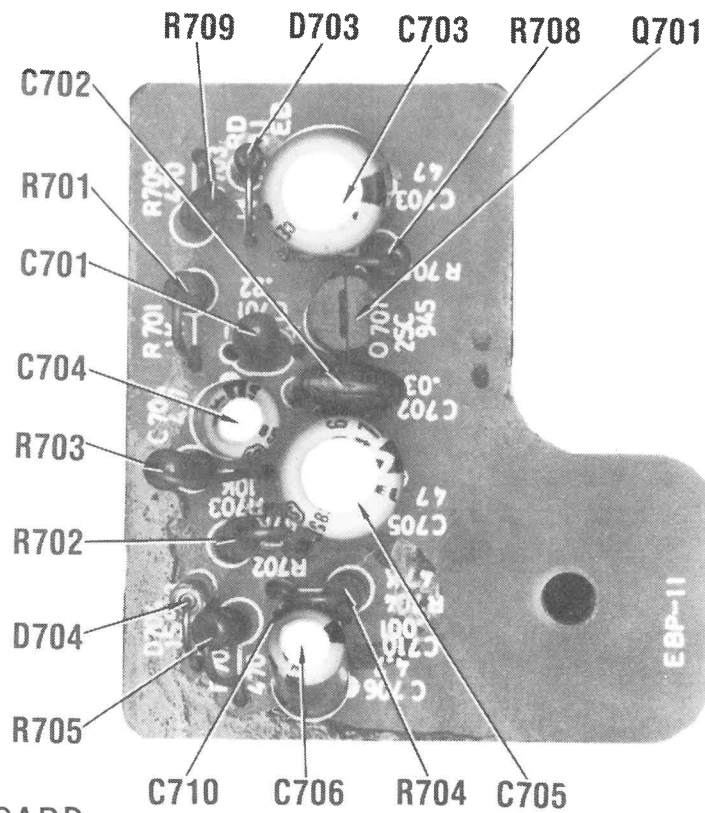
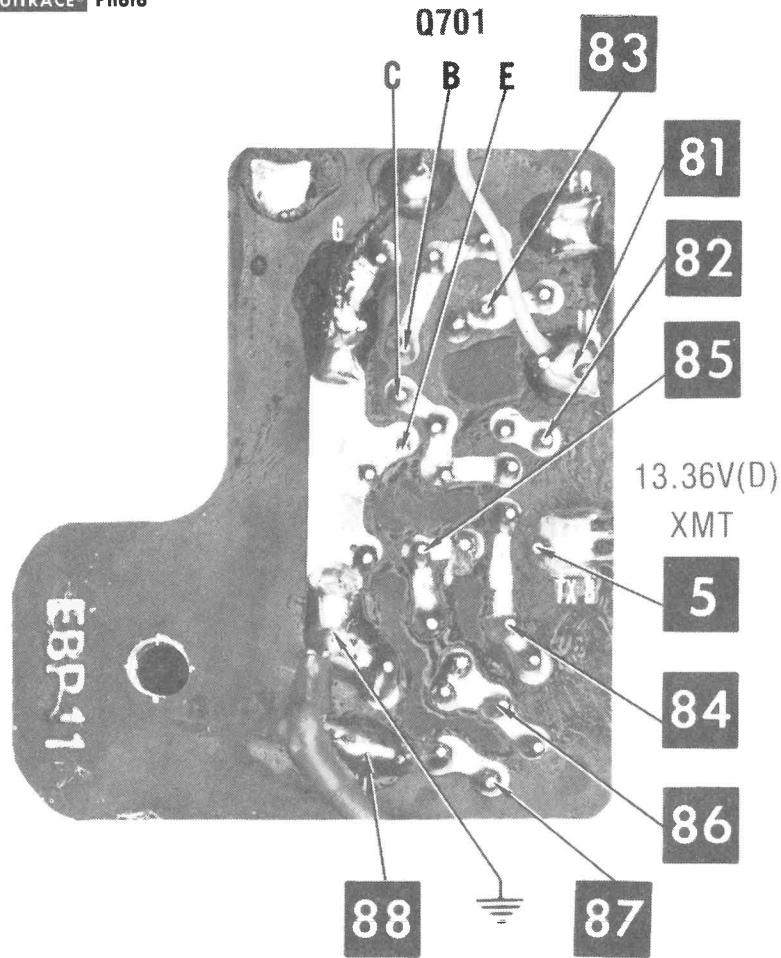




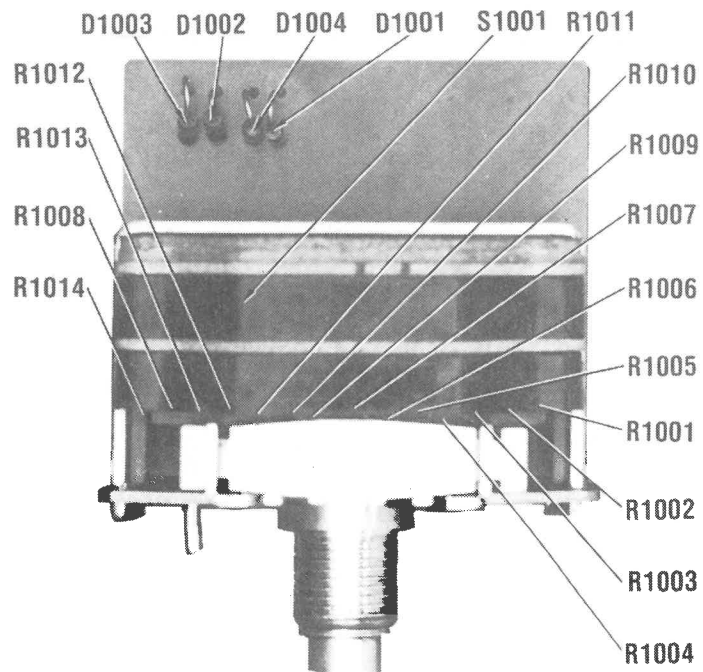
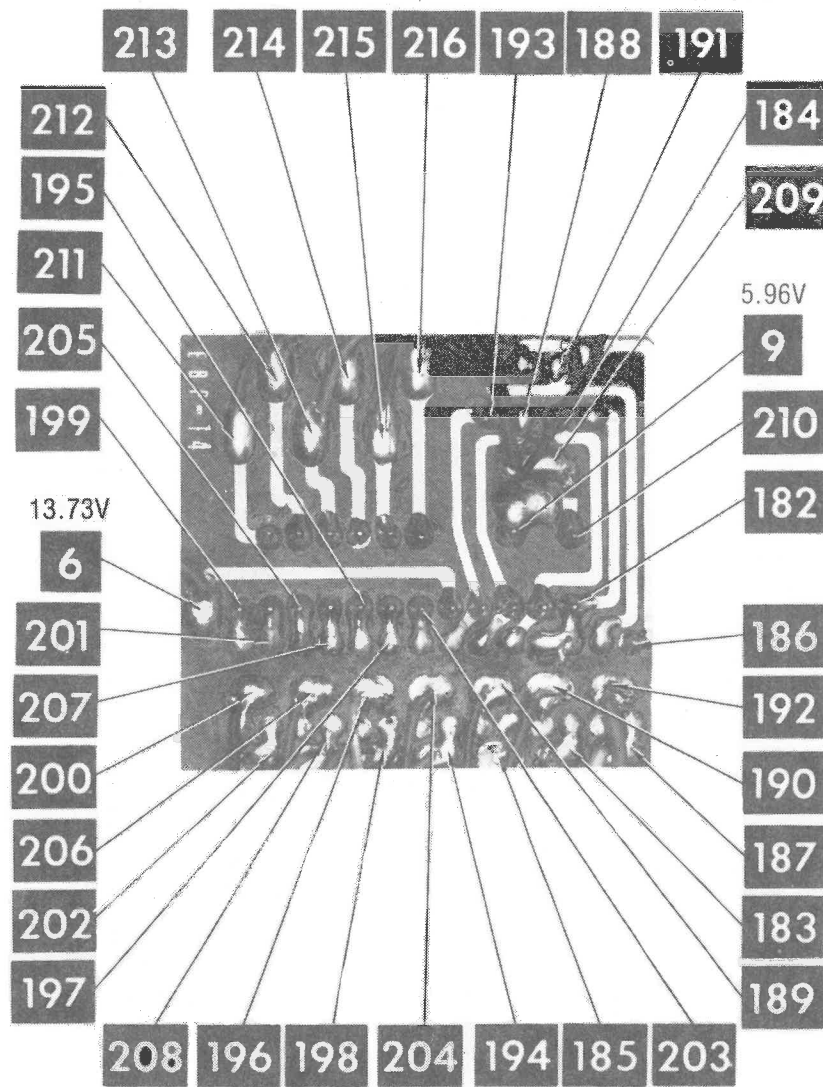
TENNA MODEL 11302

TRANSMIT BOARD

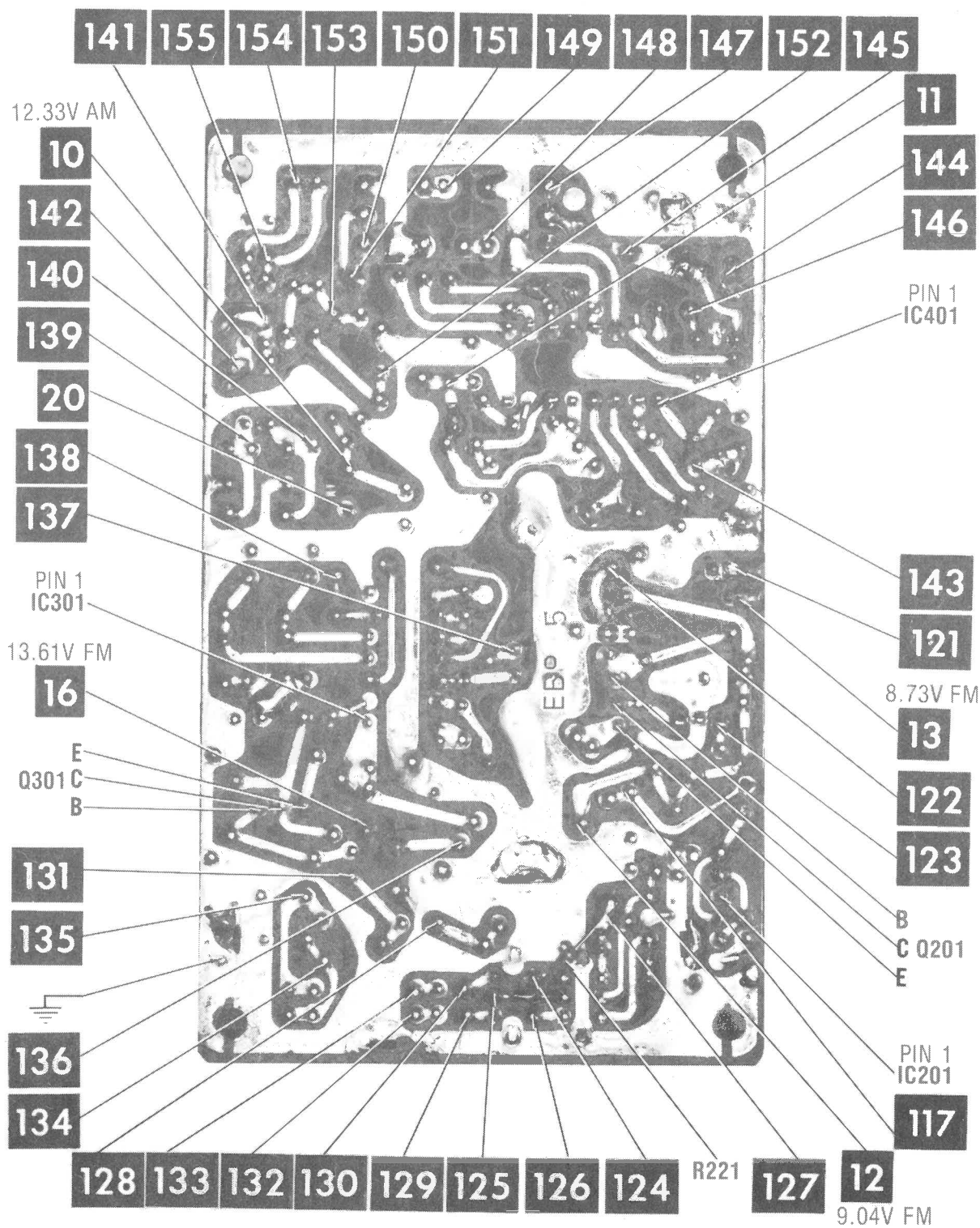




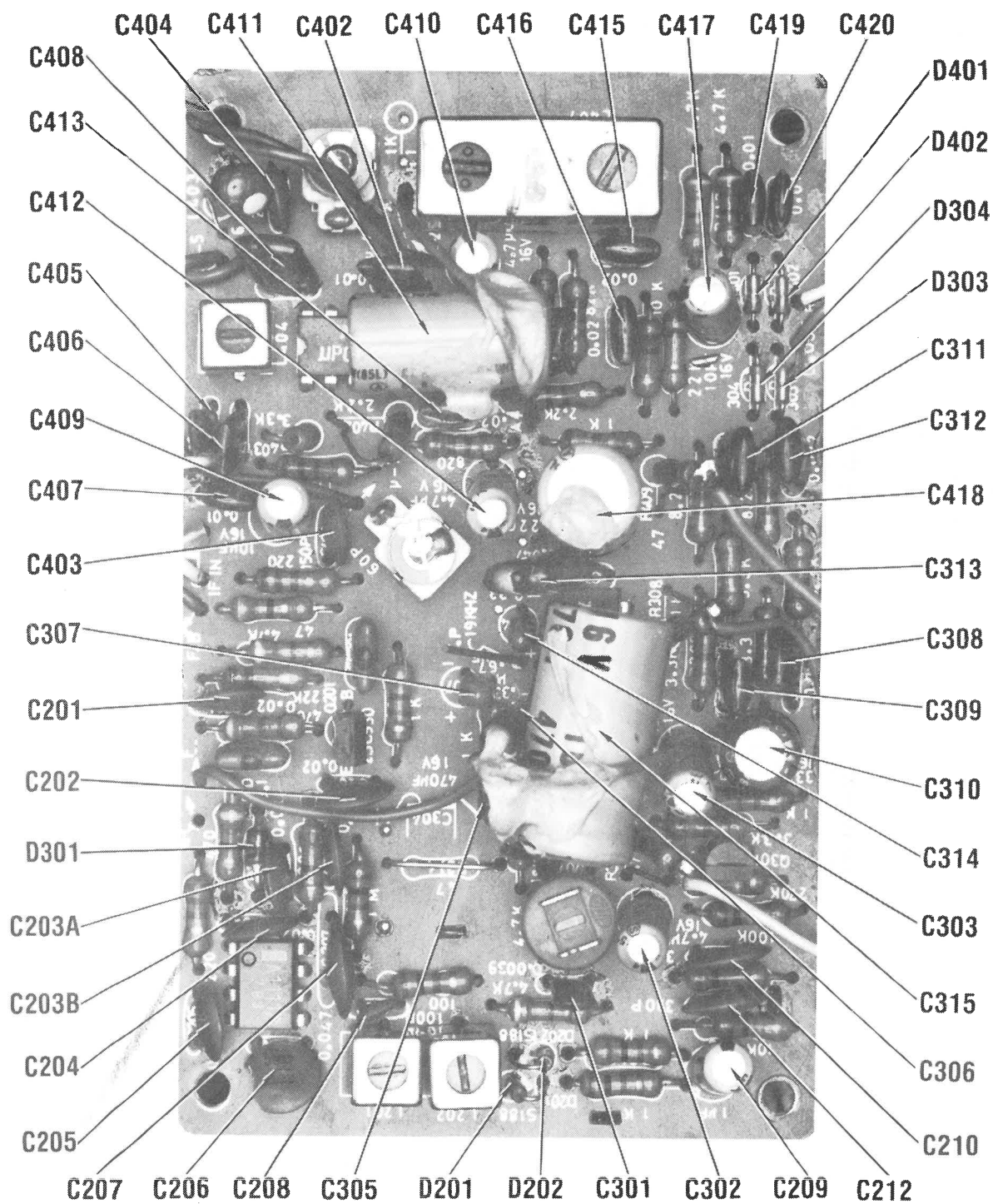
MIC PREAMP BOARD



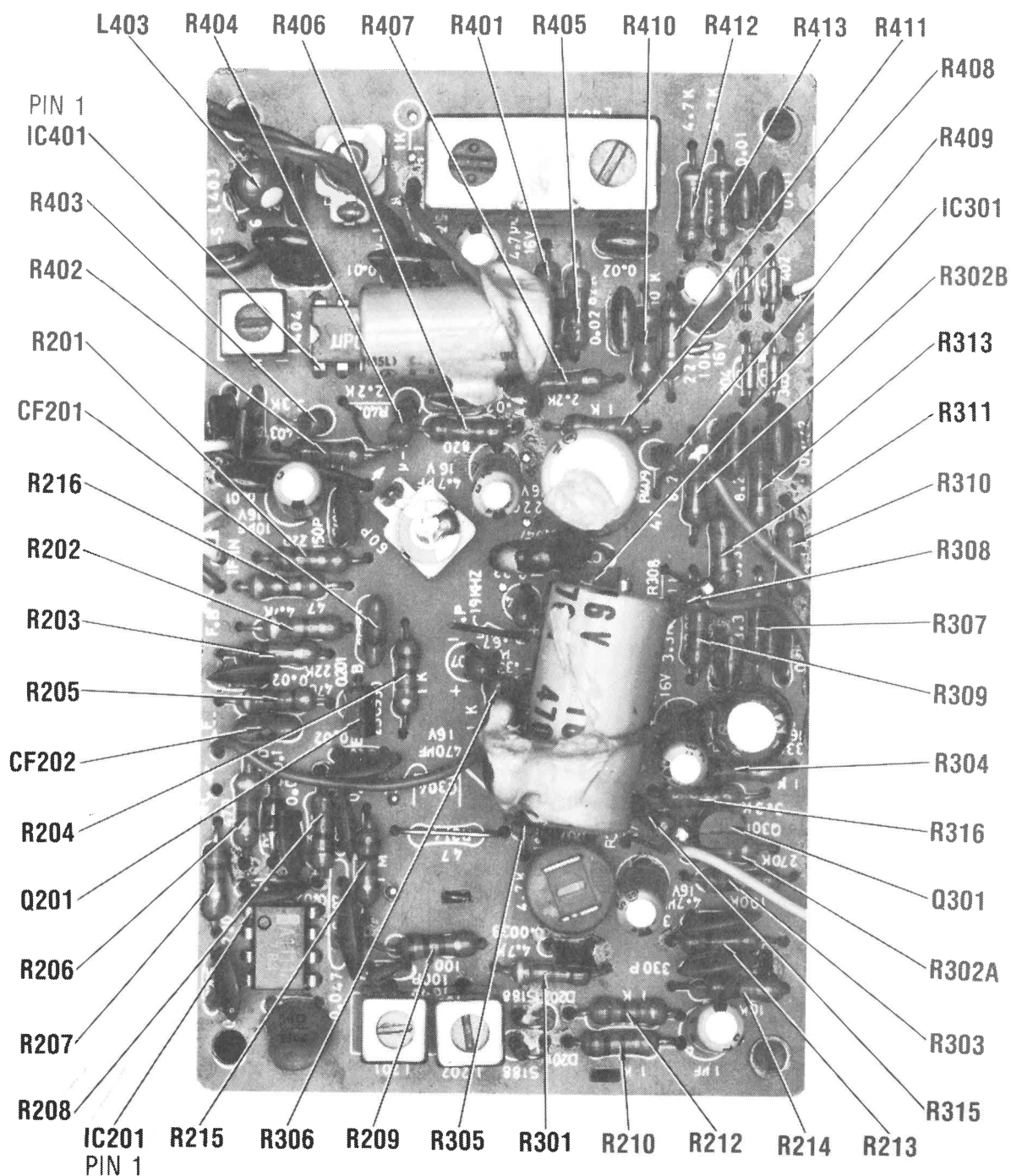
CH. SWITCH BOARD



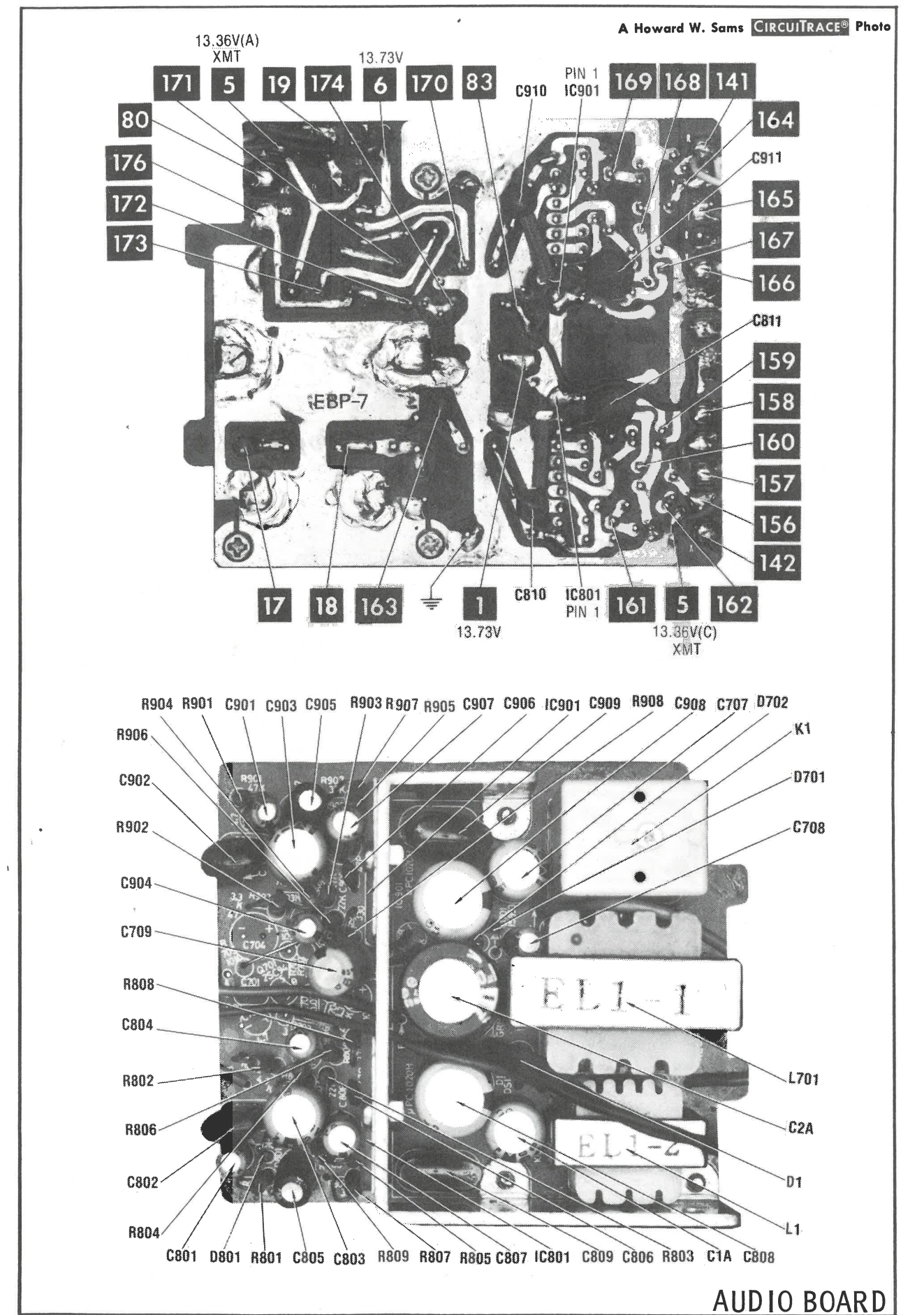
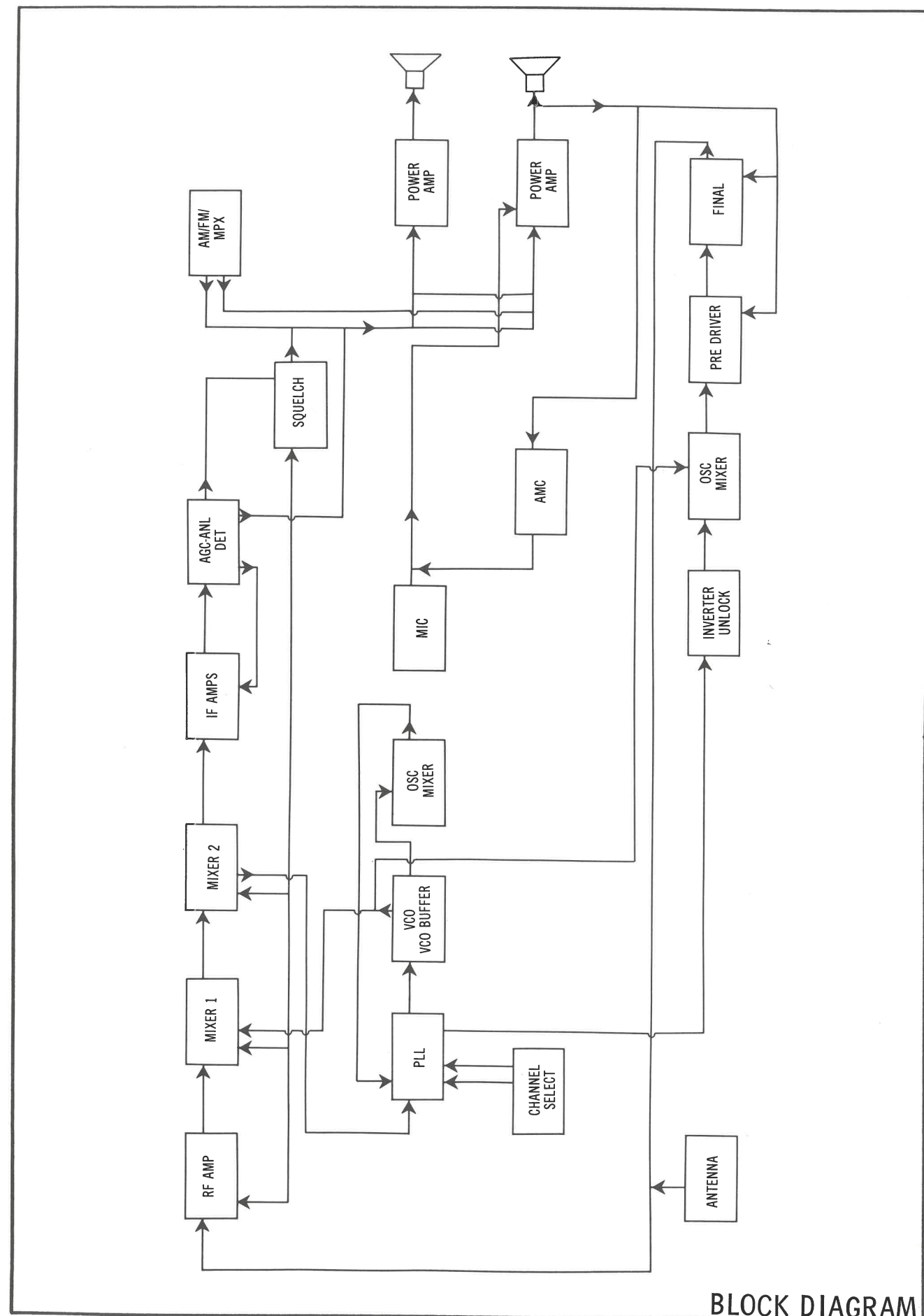
AM-FM BOARD

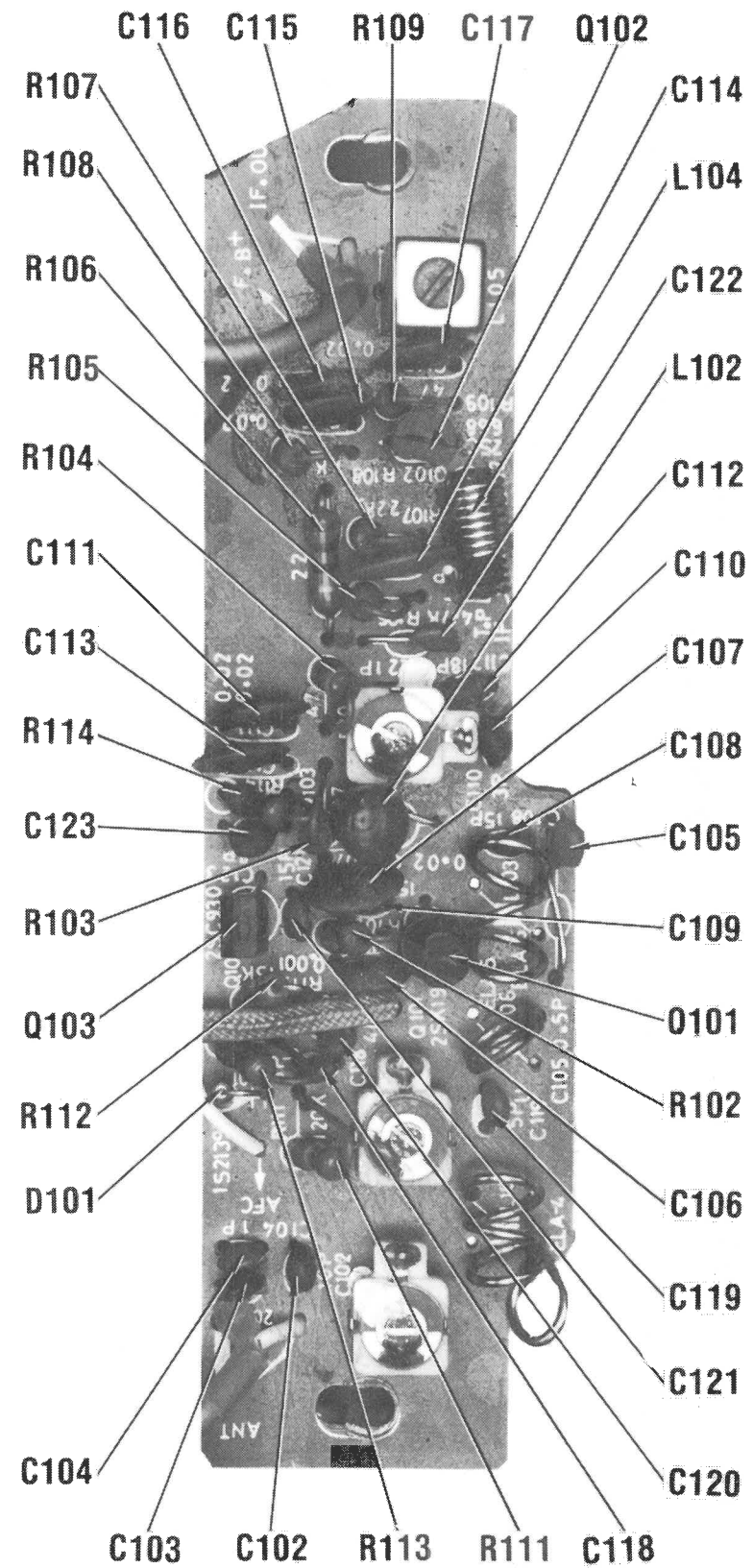


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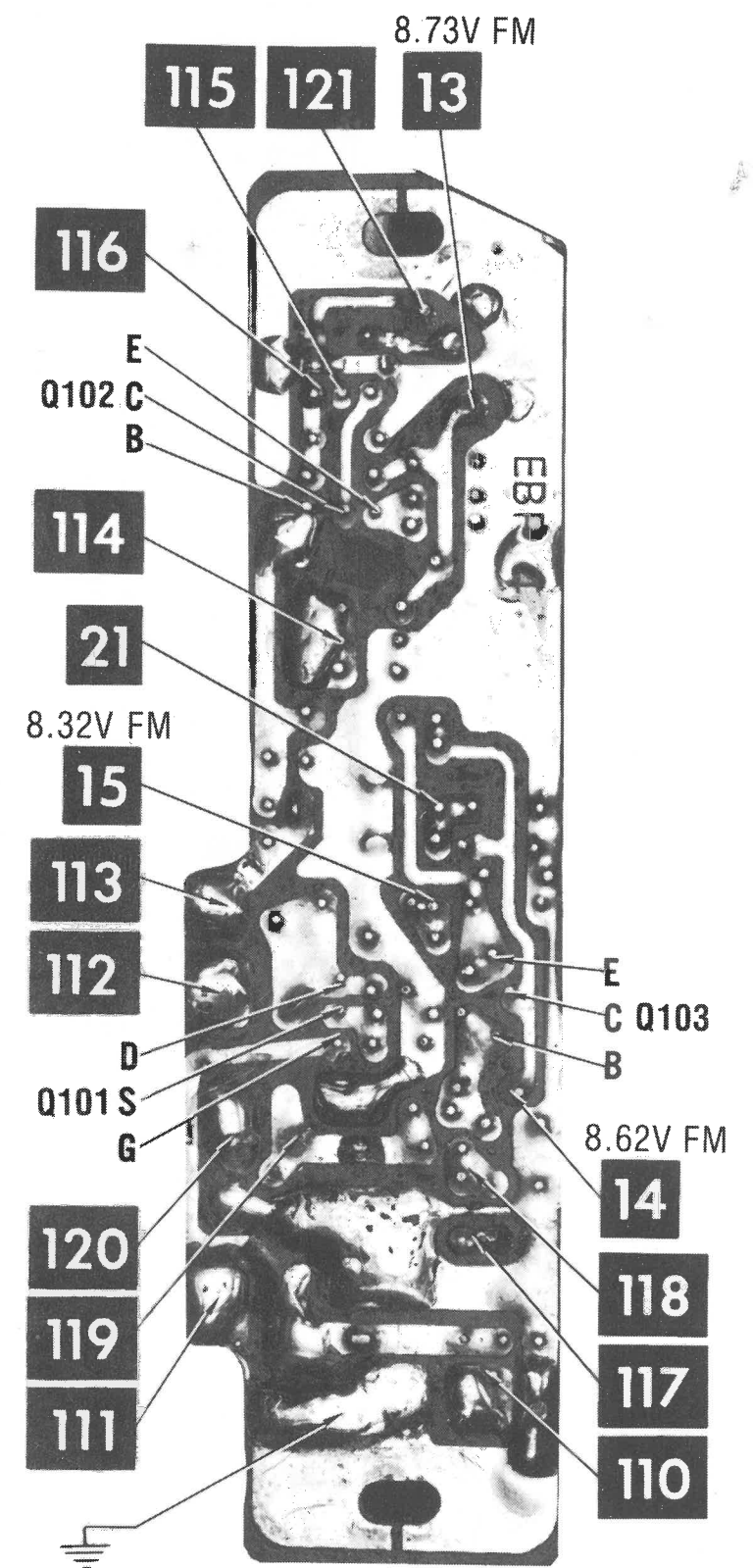


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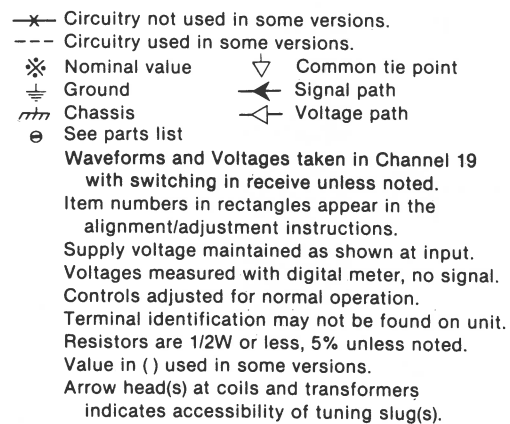


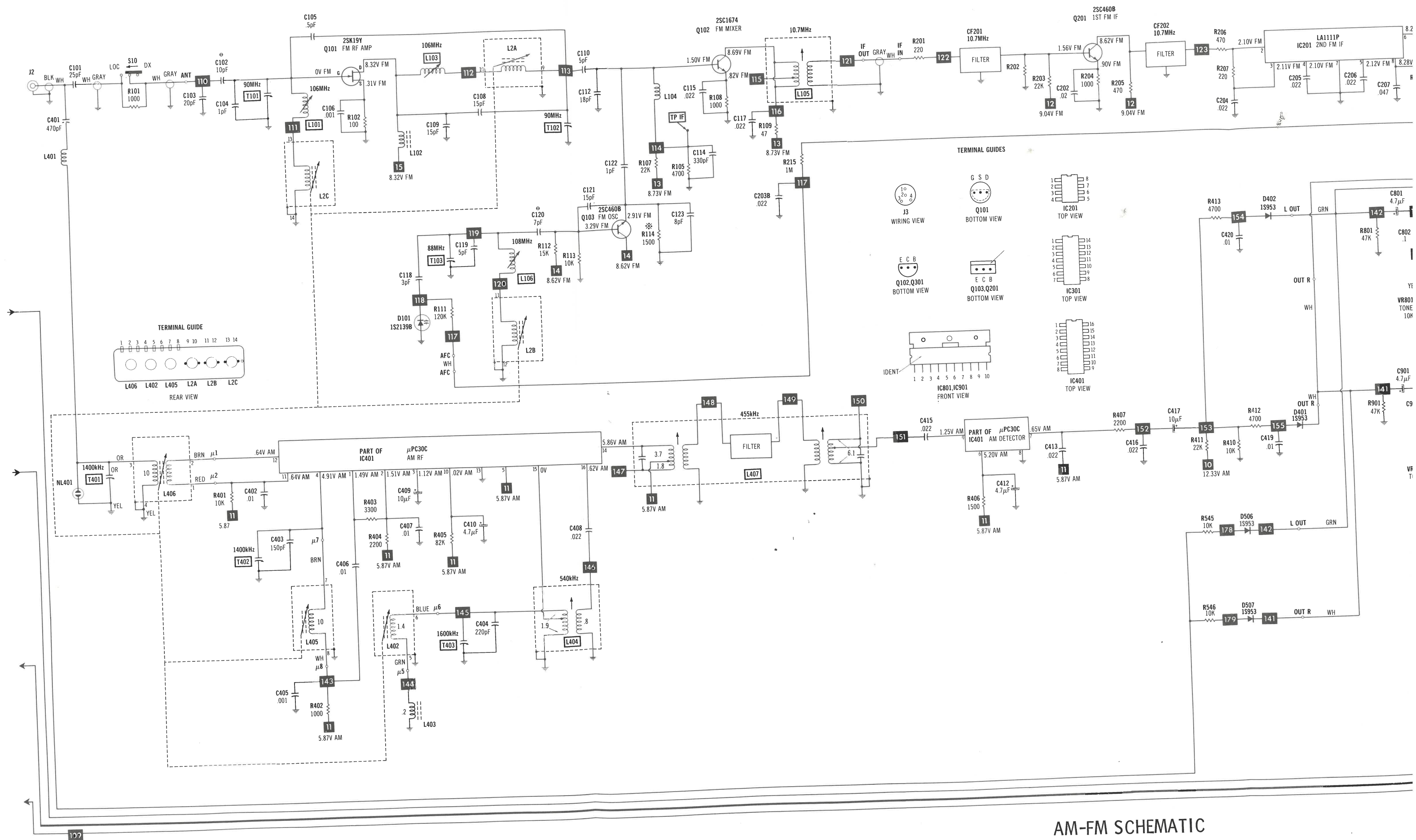


FM RF BOARD

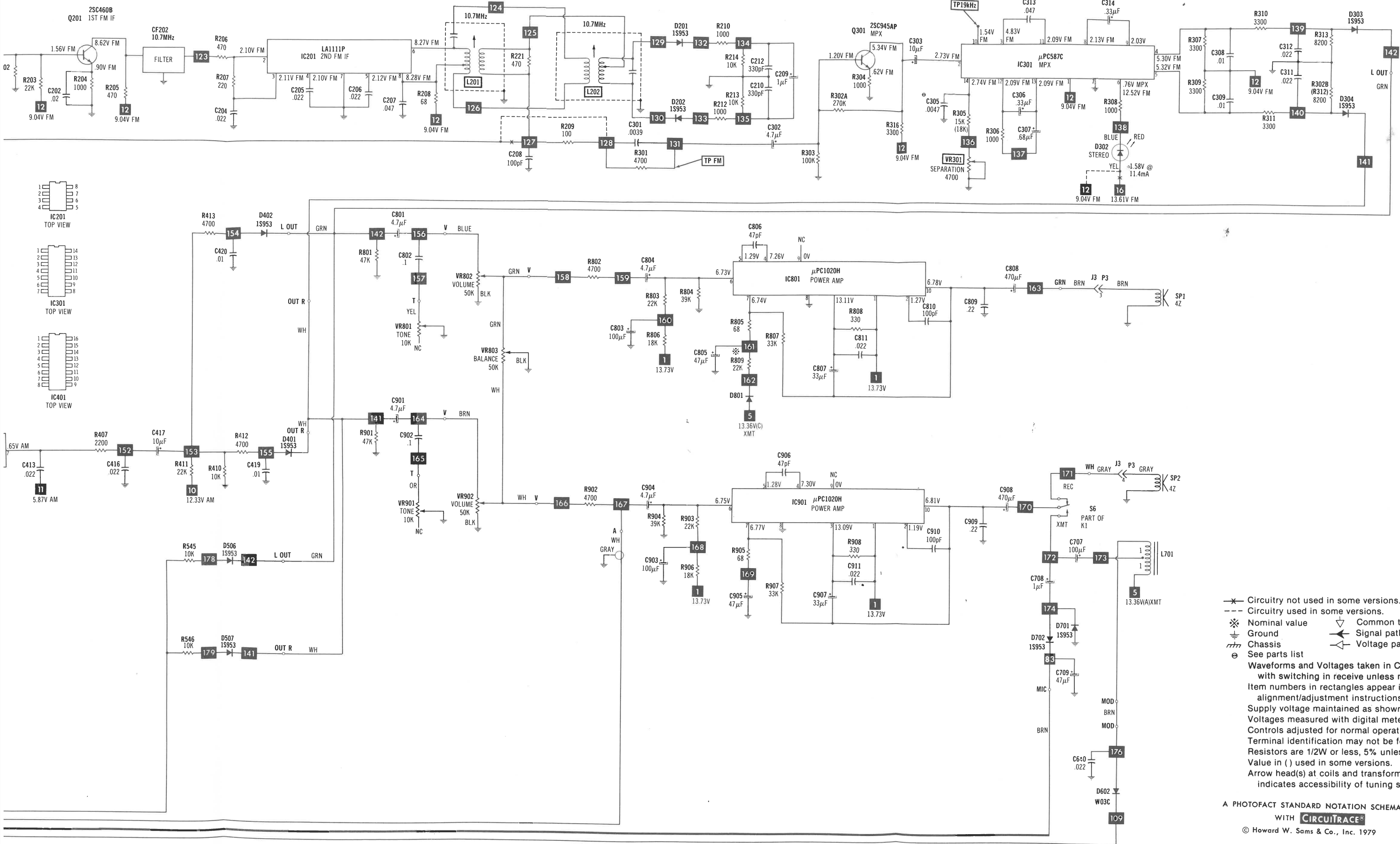


FM RF BOARD





AM-FM SCHEMATIC



✕ Circuitry not used in some versions.
 --- Circuitry used in some versions.
 ※ Nominal value
 ⏏ Ground
 ⏏ Chassis
 ⏏ See parts list
 ▽ Common tie point
 ⤴ Signal path
 ⤵ Voltage path

Waveforms and Voltages taken in Channel 19
 with switching in receive unless noted.
 Item numbers in rectangles appear in the
 alignment/adjustment instructions.
 Supply voltage maintained as shown at input.
 Voltages measured with digital meter, no signal.
 Controls adjusted for normal operation.
 Terminal identification may not be found on unit.
 Resistors are 1/2W or less, 5% unless noted.
 Value in () used in some versions.
 Arrow head(s) at coils and transformers
 indicates accessibility of tuning slug(s).

A PHOTOFAC STANDARD NOTATION SCHEMATIC
 WITH **CIRCUITRACE®**
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PARTS LIST AND DESCRIPTION
(When ordering parts, state Model, Part Number, and Description.)

WIRING DATA

Cable (Speaker)(Unshielded).....	Use BELDEN No. 8782 (AWG24)(4 colors)
Shielding Strap.....	Use BELDEN No. 8660 (3/16" width)
Hook-up Wire (General Use).....	Use BELDEN No. 8524 (AWG22)(13 colors)
Hook-up Wire (Shielded).....	Use BELDEN No. 8401 (Braided Shield)(1 conductor)(AWG25)
	Use BELDEN No. 8421 (Spiral Shield)(1 conductor)(AWG25)
	Use BELDEN No. 8737 (Spiral Shield)(2 conductor)(AWG22)
Coax (Transmission Line).....	Use BELDEN No. 8259 (RG-58A/U, 50 ohms)
Coax (Transmission Line).....	Use BELDEN No. 8219 (RG-58A/U, 50 ohms)(Low Loss)
Microphone Cable (Coiled).....	Use BELDEN No. 8491 (4 conductor-2 shielded)(6 ft.)(AWG23)

SEMICONDUCTORS (Select replacement transistor for best results)

ITEM No.	TYPE No.	MFRG. PART No.	REPLACEMENT DATA							ZENITH PART No.
			GENERAL ELECTRIC PART No.	MALLORY PART No.	RAYTHEON PART No.	RCA PART No.	SYLVANIA PART No.	THORDARSON PART No.	WORKMAN PART No.	
D1	W03C	ESD-W03C	GE-504A	PTC201	REN 116	SK3311	ECG116	TM116	WEP156	212-76-02
D5	1S2689B	ESD-1S2689B	GE-90		REN 614		ECG614	TM614	WEP200	103-219
D101	1S2139B	ESD-1S2139B		PTC311			ECG611	TM611		103-146
D201	1S953	ESD-1S953	GE-300	PTC214	REN 177	SK3175/177	ECG177	TM177	WEP1062	103-131
D202	1S953	ESD-1S953	GE-300	PTC214	REN 177	SK3175/177	ECG177	TM177	WEP1062	103-131
D301	BZ090	ESD-BZ090	GEZD-9.1	ZB9.1B	REN 139	SK3060/139A	ECG139A	TM139A/**	WEP1109	103-272
	RD9.1EB		GEZD-9.1	ZB9.1B	REN 139	SK3060/139A	ECG139A	TM139A/**	WEP1109	103-272
D303	1S953	ESD-1S953	GE-300	PTC214	REN 177	SK3175/177	ECG177	TM177	WEP1062	103-131
D304	1S953	ESD-1S953	GE-300	PTC214	REN 177	SK3175/177	ECG177	TM177	WEP1062	103-131
D401	1S953	ESD-1S953	GE-300	PTC214	REN 177	SK3175/177	ECG177	TM177	WEP1062	103-131
D402	1S953	ESD-1S953	GE-300	PTC214	REN 177	SK3175/177	ECG177	TM177	WEP1062	103-131
D501	1S953	ESD-1S953	GE-300	PTC214	REN 177	SK3175/177	ECG177	TM177	WEP1062	103-131
D502	1S953	ESD-1S953	GE-300	PTC214	REN 177	SK3175/177	ECG177	TM177	WEP1062	103-131
D503	1S953	ESD-1S953	GE-300	PTC214	REN 177	SK3175/177	ECG177	TM177	WEP1062	103-131
D504	1S953	ESD-1S953	GE-300	PTC214	REN 177	SK3175/177	ECG177	TM177	WEP1062	103-131
D505	1S953	ESD-1S953	GE-300	PTC214	REN 177	SK3175/177	ECG177	TM177	WEP1062	103-131
D506	1S953	ESD-1S953	GE-300	PTC214	REN 177	SK3175/177	ECG177	TM177	WEP1062	103-131
D507	1S953	ESD-1S953	GE-300	PTC214	REN 177	SK3175/177	ECG177	TM177	WEP1062	103-131
D508	WZ090	ESD-WZ090	GEZD-9.1	ZB9.1B	REN 139	SK3060/139A	ECG139A	TM139A/**	WEP1109	103-272
D601	1S953	ESD-1S953	GE-300	PTC214	REN 177	SK3175/177	ECG177	TM177	WEP1062	103-131
D602	W03C	ESD-W03C	GE-504A	PTC201	REN 116	SK3311	ECG116	TM116	WEP156	212-76-02
D701	1S953	ESD-1S953	GE-300	PTC214	REN 177	SK3175/177	ECG177	TM177	WEP1062	103-131
D702	1S953	ESD-1S953	GE-300	PTC214	REN 177	SK3175/177	ECG177	TM177	WEP1062	103-131
D703	WZ071	ESD-WZ071	GEZD-7.5	ZB7.5B	REN 138	SK3059/138A	ECG138A	TM138A/**	WEP1107	103-29002
D704	1S953	ESD-1S953	GE-300	PTC214	REN 177	SK3175/177	ECG177	TM177	WEP1062	103-131
D801	1S953	ESD-1S953	GE-300	PTC214	REN 177	SK3175/177	ECG177	TM177	WEP1062	103-131
D1001	1S953	ESD-1S953	GE-300	PTC214	REN 177	SK3175/177	ECG177	TM177	WEP1062	103-131
D1002	1S953	ESD-1S953	GE-300	PTC214	REN 177	SK3175/177	ECG177	TM177	WEP1062	103-131
D1003	1S953	ESD-1S953	GE-300	PTC214	REN 177	SK3175/177	ECG177	TM177	WEP1062	103-131
D1004	1S953	ESD-1S953	GE-300	PTC214	REN 177	SK3175/177	ECG177	TM177	WEP1062	103-131
D1006	WZ061	ESD-WZ061	GEZD-6.2	ZB6.2B	REN 137	SK3058/137A	ECG137A	TM137A/**	WEP1154	103-29008
	RD6.1EB		GEZD-6.2	ZB6.2B	REN 137	SK3058/137A	ECG137A	TM137A/**	WEP1154	103-29008
D1007	WZ090	ESD-WZ090	GEZD-9.1	ZB9.1B	REN 139	SK3060/139A	ECG139A	TM139A/**	WEP1109	103-272
	RD9.1EB		GEZD-9.1	ZB9.1B	REN 139	SK3060/139A	ECG139A	TM139A/**	WEP1109	103-272
IC201	LA1111P	ESI-A1111P								
IC301	UPC587C									
IC401	UPC30C	ESI-SN76115N	GEIC-35	PTC735	REN 801	SK3160/801	ECG801	TM801	WEP2075	221-29027
IC801	UPC1020H	ESI-UPC30C	GEIC-121			SK3470/1049	ECG1049	TM1049		
IC901	UPC1020H	ESI-UPC1020H	GEIC-196			SK3243/1160	ECG1160	TM1160	WEP2258	
			GEIC-196			SK3243/1160	ECG1160	TM1160	WEP2258	
LS11001	MSM5807	ESI-MSM5807								
Q101	2SK19Y	ESF-2SK19	GE-FET-2	PTC161	REN 132*	SK3834/132	ECG312*	TM312*	WEP920	121-756
Q102	2SK19	EST-2SK19	GE-FET-2	PTC161	REN 132*	SK3834/132	ECG312*	TM312*	WEP920	121-756
Q103	2SC1674		GE-61*	PTC136*	REN 229*	SK3132	ECG229*	TM229*	WEP784	121-29021
	2SC460B	EST-2SC460	GE-61*	PTC136*	REN 107	SK3122	ECG107	TM107/**	WEP460	121-29000*
	2SC460B		GE-61*	PTC136*	REN 107	SK3122	ECG107	TM107/**	WEP460	121-29000*
Q201	2SC460B	EST-2SC460	GE-61*	PTC136*	REN 107	SK3122	ECG107	TM107/**	WEP460	121-29000*
	2SC460B		GE-61*	PTC136*	REN 107	SK3122	ECG107	TM107/**	WEP460	121-29000*
Q301	2SC945AP	EST-2SC945	GE-212	PTC121*	REN 199	SK3124/289	ECG199	TM199/**	WEP1945	121-972
	2SC945		GE-212	PTC121*	REN 199	SK3124/289	ECG199	TM199/**	WEP1945	121-972
Q501	2SC460B	EST-2SC460	GE-61*	PTC136*	REN 107	SK3122	ECG107	TM107/**	WEP460	121-29000*
	2SC460B		GE-61*	PTC136*	REN 107	SK3122	ECG107	TM107/**	WEP460	121-29000*
Q502	2SC460B	EST-2SC460	GE-61*	PTC136*	REN 107	SK3122	ECG107	TM107/**	WEP460	121-29000*
	2SC460B		GE-61*	PTC136*	REN 107	SK3122	ECG107	TM107/**	WEP460	121-29000*
Q503	2SC460B	EST-2SC460	GE-61*	PTC136*	REN 107	SK3122	ECG107	TM107/**	WEP460	121-29000*
	2SC460B		GE-61*	PTC136*	REN 107	SK3122	ECG107	TM107/**	WEP460	121-29000*
Q504	2SC460B	EST-2SC460	GE-61*	PTC136*	REN 107	SK3122	ECG107	TM107/**	WEP460	121-29000*
	2SC460B		GE-61*	PTC136*	REN 107	SK3122	ECG107	TM107/**	WEP460	121-29000*
Q505	2SC460B	EST-2SC460	GE-61*	PTC136*	REN 107	SK3122	ECG107	TM107/**	WEP460	121-29000*
	2SC460B		GE-61*	PTC136*	REN 107	SK3122	ECG107	TM107/**	WEP460	121-29000*
Q506	2SC945AP	EST-2SC945	GE-212	PTC121*	REN 199	SK3124/289	ECG199	TM199/**	WEP1945	121-972
	2SC945		GE-212	PTC121*	REN 199	SK3124/289	ECG199	TM199/**	WEP1945	121-972
Q507	2SC945AP	EST-2SC945	GE-212	PTC121*	REN 199	SK3124/289	ECG199	TM199/**	WEP1945	121-972
	2SC945		GE-212	PTC121*	REN 199	SK3124/289	ECG199	TM199/**	WEP1945	121-972
Q508	2SC945AP	EST-2SC945	GE-212	PTC121*	REN 199	SK3124/289	ECG199	TM199/**	WEP1945	121-972
	2SC945		GE-212	PTC121*	REN 199	SK3124/289	ECG199	TM199/**	WEP1945	121-972
Q601	2SC945AP	EST-2SC945	GE-212	PTC121*	REN 199	SK3124/289	ECG199	TM199/**	WEP1945	121-972
	2SC945		GE-212	PTC121*	REN 199	SK3124/289	ECG199	TM199/**	WEP1945	121-972
Q602	2SA733P	EST-2SA733	GE-48	PTC127	PEN 294	SK3114/290	ECG294	TM294/**	WEP911	121-952
	2SA733		GE-48	PTC127	PEN 294	SK3114/290	ECG294	TM294/**	WEP911	121-952
Q603	2SC460B	EST-2SC460	GE-61*	PTC136*	REN 107	SK3122	ECG107	TM107/**	WEP460	121-29000*
	2SC460B		GE-61*	PTC136*	REN 107	SK3122	ECG107	TM107/**	WEP460	121-29000*
Q605	2SC460B	EST-2SC460	GE-61*	PTC136*	REN 107	SK3122	ECG107	TM107/**	WEP460	121-29000*
	2SC460B		GE-61*	PTC136*	REN 107	SK3122	ECG107	TM107/**	WEP460	121-29000*
Q606	2SC460B	EST-2SC460	GE-61*	PTC136*	REN 107	SK3122	ECG107	TM107/**	WEP460	121-29000*
	2SC460B		GE-61*	PTC136*	REN 107	SK3122	ECG107	TM107/**	WEP460	121-29000*
Q607	2SC2091	EST-2SC495	GE-270	PTC186	REN 295	SK3253/295	ECG295	TM295	WEP913	121-880
	2SC495		GE-270	PTC186	REN 295	SK3253/295	ECG295	TM295	WEP913	121-880
Q608	2SC2092	EST-2SC1306	GE-337	PTC186	REN 235	SK3197/235	ECG235	TM235/**	WEP840*	121-29039
	2SC1306		GE-215	PTC186	REN 235	SK3239/236	ECG235	TM235/**	WEP785	121-29039

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.	MFRG. PART No.	REPLACEMENT DATA							
			GENERAL ELECTRIC PART No.	MALLORY PART No.	RAYTHEON PART No.	RCA PART No.	SYLVANIA PART No.	THORDARSON PART No.	WORKMAN PART No.	ZENITH PART No.
Q701	2SC945AP	EST-2SC945	GE-212	PTC121*	REN 199	SK3124/289	ECG199	TM199/**	WEP1945	121-972
	2SC945		GE-212	PTC121*	REN 199	SK3124/289	ECG199	TM199/**	WEP1945	121-972
Q1001	2SC945AP	EST-2SC945	GE-212	PTC121*	REN 199	SK3124/289	ECG199	TM199/**	WEP1945	121-972
	2SC945		GE-212	PTC121*	REN 199	SK3124/289	ECG199	TM199/**	WEP1945	121-972
Q1002	2SC460B	EST-2SC460	GE-210	PTC121*	REN 289	SK3124/289	ECG289	TM289/**	WEP458	121-29000A*
	2SC460B		GE-61*	PTC136*	REN 107	SK3122	ECG107	TM107/**	WEP460	121-29000*
	2SC930		GE-60*	PTC132*	REN 229	SK3356	ECG229*	TM229/**	WEP380	121-29000*
Q1003	2SC460B	EST-2SC460	GE-61*	PTC136*	REN 107	SK3122	ECG107	TM107/**	WEP460	121-29000*
	2SC460B		GE-61*	PTC136*	REN 107	SK3122	ECG107	TM107/**	WEP460	121-29000*
Q1004	2SC460B	EST-2SC460	GE-61*	PTC136*	REN 107	SK3122	ECG107	TM107/**	WEP460	121-29000*
	2SC460B		GE-61*	PTC136*	REN 107	SK3122	ECG107	TM107/**	WEP460	121-29000*
Q1005	2SC460B	EST-2SC460	GE-61*	PTC136*	REN 107	SK3122	ECG107	TM107/**	WEP460	121-29000*
	2SC460B		GE-61*	PTC136*	REN 107	SK3122	ECG107	TM107/**	WEP460	121-29000*
Q1006	2SC460B	EST-2SC460	GE-61*	PTC136*	REN 107	SK3122	ECG107	TM107/**	WEP460	121-29000*
	2SC930		GE-60*	PTC132*	REN 229	SK3356	ECG229*	TM229/**	WEP380	121-29021*

* Lead configuration may vary from original.
/** Also available as exact type replacement.

ELECTROLYTIC CAPACITORS

ITEM No.	RATING	REPLACEMENT DATA				
		MFRG. PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.	
					Q-LINE	GENERAL LINE
C1A	100 16V	ECC-100/16	PC100-16	VT1100F16	QV1-95	EV-1231
C2A	1000 16V	ECC-1000/16	PC1000-16	VT11000L16	QV1-183	EV-1261
C209	1 50V		PC1-50	VT11A50	QV1-11	EV-1615
	1 16V	ECC-1u16V	PC1-50	VT11A50	QV1-31	EV-1615
C302	4.7 16V	ECC-4.7uF16V	PC5-50	VT14R7B50	QV1-31	EV-1619.1
C303	10 16V	ECC-10uF16V	PC10-25	VT110B25	QV1-41	EV-1222
C306	.33 35V	ECT-0.33		TDC334M050EL	QDT1-14	SD50-R339
C307	.68 35V	ECT-0.68		TDC684M050EL	QDT1-22	SD50-R689
C310	33 16V	ECC-33uF16V	PC30-25	VT133D25	QV1-63	EV-1325
C314	.33 35V	ECT-0.68		TDC334M050EL	QDT1-14	SD50-R339
C315	470 16V		PC500-16	VT1470K16	QV1-151	EV-1251
C409	10 16V	ECC-10uF16V	PC10-25	VT110B25	QV1-41	EV-1222
C410	4.7 16V	ECC-4.7uF16V	PC5-50	VT14R7B50	QV1-31	EV-1619.1
C411	220 16V	ECC-220uF16V	PC250-25	VT1220H16	QV1-117	EV-1240
C412	4.7 16V	ECC-4.7uF16V	PC5-50	VT14R7B50	QV1-31	EV-1619.1
C417	10 16V	ECC-10uF16V	PC10-25	VT110B25	QV1-41	EV-1222
C418	220 16V	ECC-220uF16V	PC250-25	VT1220H16	QV1-117	EV-1240
C525	4.7 25V	ECC-4.7	PC5-50	VT14R7B50	QV1-31	EV-1619.1
C526	4.7 25V	ECC-4.7	PC5-50	VT14R7B50	QV1-31	EV-1619.1
C529	.22 35V	ECT-0.22		TDC224M050EL	QDT1-10	SD50-R229
C530	4.7 25V	ECC-4.7				
C531	1 50V		PC5-50	VT14R7B50	QV1-31	EV-1619.1
	1 16V	ECC-1	PC1-50	VT11A50	QV1-11	EV-1615
C532	10 16V	ECC-10	PC10-25	VT110B25	QV1-41	EV-1222
	1 50V		PC1-50	VT11A50	QV1-11	EV-1615
C534	1 16V	ECC-1	PC1-50	VT11A50	QV1-11	EV-1615
C638	4.7 25V	ECF-4.7uF	PC5-50	VT14R7B50	QV1-31	EV-1619.1
C701	.22 35V	ECT-0.22		TDC224M050EL	QDT1-10	SD50-R229
C703	47 16V	ECC-47	PC50-16	VT147D16	QV1-73	EV-1226
C704	4.7 16V	ECC-4.7	PC5-50	VT14R7B50	QV1-31	EV-1619.1
C705	47 16V	ECC-47	PC50-16	VT147D16	QV1-73	EV-1226
C706	4.7 16V	ECC-4.7	PC5-50	VT14R7B50	QV1-31	EV-1619.1
C707	100 16V	ECC-100/16	PC100-16	VT1100F16	QV1-95	EV-1231
C708	1 50V		PC1-50	VT11A50	QV1-11	EV-1615
	1 10V	ECC-1/10	PC1-50	VT11A50	QV1-11	EV-1615
C709	47 16V	ECC-47/16	PC50-16	VT147D16	QV1-73	EV-1226
C801	4.7 16V	ECC-4.7/16	PC5-50	VT14R7B50	QV1-31	EV-1619.1
C803	100 16V	ECC-100/16	PC100-16	VT1100F16	QV1-95	EV-1231
C804	4.7 16V	ECC-4.7/16	PC5-50	VT14R7B50	QV1-31	EV-1619.1
C805	47 10V	ECC-47/10	PC50-16	VT147D16	QV1-73	EV-1226
C807	33 10V	ECC-33/10	PC30-25	VT133B10	QV1-25	EV-1225
C808	470 10V	ECC-470/16	PC500-16	VT1470K16	QV1-151	EV-1251
C901	4.7 16V	ECC-4.7/16	PC5-50	VT14R7B50	QV1-31	EV-1619.1
C903	100 16V	ECC-100/16	PC100-16	VT1100F16	QV1-95	EV-1231
C904	4.7 16V	ECC-4.7/16	PC5-50	VT14R7B50	QV1-31	EV-1619.1
C905	47 10V	ECC-47/10	PC50-16	VT147D16	QV1-73	EV-1226
C907	33 10V	ECC-33/10	PC30-25	VT133B10	QV1-25	EV-1225
C908	470 10V	ECC-470/10	PC500-16	VT1470K16	QV1-151	EV-1251
C1004	.22 35V	ECT-0.22uF		TDC224M050EL	QDT1-10	SD50-R229
C1005	.22 35V	ECT-0.22uF		TDC224M050EL	QDT1-10	SD50-R229
C1018	100 10V	ECC-100uF10V	PC100-10	VT1100E10	QV1-93	EV-1131
C1019	10 16V	ECC-10uF10V	PC10-25	VT110B25	QV1-41	EV-1222
C1028	10 16V	ECC-10uF10V	PC10-25	VT110B25	QV1-41	EV-1222

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

CAPACITORS

ITEM No.	RATING	MFG. PART No.	REPLACEMENT DATA				
			CENTRALAB PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.	
						Q-LINE	GENERAL LINE
C18	47	ECD-0.5pSL	DTZ-47	NP047	CN0447		10TCC-Q47
C28	22		DTZ-22	NP022	CN0422		10TCC-Q22
C101	25		DTZ-25	NP025	CN0425		10TCC-Q25
C102	10		DTZ-20	NP020	CN0420		10TCC-Q20
	3		DTZ-3R3	NP03P3	CN0533		10TCC-V33
C103	20		DTZ-20	NP020	CN0420		10TCC-Q20
C104	1				CN0510		10TCC-V10
C105	.5						
C106	.001		DD-102		GP210		10TS-D10
C107	.022				M192P2239R8		192P2239R8
C108	15		DTZ-15	NP015	CN0415		10TCC-Q15
C109	15		DTZ-15	NP015	CN0415		10TCC-Q15
C110	5		DTZ-4R7	NP04P7	CN0547		10TCC-V47
C111	.022				M192P2239R8		192P2239R8
C112	18				CN0418		10TCC-Q18
C113	.022	ECD-3pN750	DD-331	GP330	M192P2239R8		192P2239R8
C114	330 10%				GP333		10TS-T33
C115	.022				M192P2239R8		192P2239R8
C116	.022				M192P2239R8		192P2239R8
C117	.022				M192P2239R8		192P2239R8
C118	3 N750						
C119	5 N750				CN7547		10TCU-V47
C120	7 N750				CN7568		10TCU-V68
	4						
C121	15		DTZ-15	NP015	CN0415		10TCC-Q15
C122	1				CN0510		10TCC-V10
C123	8	ECD-8pSL					
C201	.022		UK50-223		M192P2239R8		192P2239R8
C202	.02				MA65012		
C203	.022				M192P2239R8		192P2239R8
C204	.022				M192P2239R8		192P2239R8
C205	.022				M192P2239R8		192P2239R8
C206	.022				M192P2239R8		192P2239R8
C207	.047			DPMS2S47	EWFI1A147	QF1-171	1PB-S47
C208	100		DTZ-100	NP0100	CN0310		10TCC-T10
C210	330 10%		DD-331	GP330	GP333		10TS-T33
C212	330 10%		DD-331	GP330	GP333		10TS-T33
C301	.0039 100V			DPMS6D39	PVC6239		6PS-D39
C305	.0047			CD19FD472J03	SX247		MWC-472
	470		DTN-470				10TCU-T47
C306	.33			WMF05P33	EWFO5033		431P3349R5
C308	.01 50V	ECD-8pSL		WMF1S1	EWFI1A110	QF1-91	1PB-S10
C309	.01 50V			WMF1S1	EWFI1A110	QF1-91	1PB-S10
C311	.022 50V				M192P2239R8		192P2239R8
C312	.022 50V				M192P2239R8		192P2239R8
C313	.047 50V			DPMS2S47	EWFI1A147	QF1-171	1PB-S47
C401	470		DD-471	GP470	GP347		10TS-T47
C402	.01 50V 10%			WMF1S1	EWFI1A110	QF1-91	1PB-S10
C403	150 10%		DTZ-150		CN0315		10TCC-T15
C404	220 5%		DTZ-220				10TCC-T22
C405	.001 50V 10%			DPMS6D1	EWFI1A210	QF1-1	1PB-D10
C406	.01 50V 10%			WMF1S1	EWFI1A110	QF1-91	1PB-S10
C407	.01 50V			WMF1S1	EWFI1A110	QF1-91	1PB-S10
C408	.022 50V 10%				M192P2239R8		192P2239R8
C413	.022 50V				M192P2239R8		192P2239R8
C415	.022 50V				M192P2239R8		192P2239R8
C416	.022 50V				M192P2239R8		192P2239R8
C419	.01 50V	ECD-8pSL		WMF1S1	EWFI1A110	QF1-91	1PB-S10
C420	.01 50V			WMF1S1	EWFI1A110	QF1-91	1PB-S10
C501	100 10%		DTZ-100	NP0100	CN0310		10TCC-T10
	220		DTZ-220				10TCC-T22
C502	33		DTZ-33	NP033	CN0433		10TCC-Q33
C503	.022				M192P2239R8		192P2239R8
C504	.022				M192P2239R8		192P2239R8
C505	.022				M192P2239R8		192P2239R8
C506	33		DTZ-33	NP033	CN0433		10TCC-Q33
C507	.022				M192P2239R8		192P2239R8
C508	100		DTZ-100	NP0100	CN0310		10TCC-T10
C509	22		DTZ-22	NP022	CN0422		10TCC-Q22
C510	.022				M192P2239R8		192P2239R8
C511	.022				M192P2239R8		192P2239R8
C512	2		DTZ-2R2	NP02P2	CN0522		10TCC-V22
C513	.022	ECD-8pSL	DTZ-4R7		M192P2239R8		192P2239R8
C514	5			NP04P7	CN0547		10TCC-V47
C515	.047			DPMS2S47	EWFI1A147	QF1-171	1PB-S47
C516	.047			DPMS2S47	EWFI1A147	QF1-171	1PB-S47
C517	.047			DPMS2S47	EWFI1A147	QF1-171	1PB-S47
C518	.047			DPMS2S47	EWFI1A147	QF1-171	1PB-S47
C519	.047			DPMS2S47	EWFI1A147	QF1-171	1PB-S47
C520	.047			DPMS2S47	EWFI1A147	QF1-171	1PB-S47
C521	.047 50V			DPMS2S47	EWFI1A147	QF1-171	1PB-S47
C522	100 10%		DTZ-100	NP0100	CN0310		10TCC-T10
C523	.047			DPMS2S47	EWFI1A147	QF1-171	1PB-S47
C524	150 10%		DTZ-150		CN0315		10TCC-T15
C527	.0047 50V				M192P4729R8		192P4729R8
C528	.005			WMF1D5	EWFI1A250		
C533	.0022 50V				M192P2229R8		192P2229R8
C541	.047	ECD-8pSL		DPMS2S47	EWFI1A147	QF1-171	1PB-S47
C601	.022				M192P2239R8		192P2239R8
C602	68		DTZ-68	NP068	CN0468		10TCC-Q68
C603	.001 50V			DPMS6D1	EWFI1A210	QF1-1	1PB-D10
C604	5		DTZ-4R7	NP04P7	CN0547		10TCC-V47
C605	.022				M192P2239R8		192P2239R8
C606	.022				M192P2239R8		192P2239R8
C607	33		DTZ-33	NP033	CN0433		10TCC-Q33
C608	.022				M192P2239R8		192P2239R8
C609	.022				M192P2239R8		192P2239R8
C610	5		DTZ-4R7	NP04P7	CN0547		10TCC-V47
C611	5		DTZ-4R7	NP04P7	CN0547		10TCC-V47

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

CAPACITORS (cont)

ITEM No.	RATING	MFG. PART No.	REPLACEMENT DATA					
			CENTRALAB PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.		
						Q-LINE	GENERAL LINE	
C612	120 10%	ECD-8P	DTZ-120		CN0312		10TCC-T12	
C613	100		DTZ-100	NP0100	CN0310		10TCC-T10	
C614	.022				M192P2239R8		192P2239R8	
C615	68 10%		DTZ-68	NP068	CN0468		10TCC-Q68	
C616	.027				M192P2739R8		192P2739R8	
C617	330 10%		DD-331	GP330	GP333		10TS-T33	
C618	150 10%		DTZ-150		CN0315		10TCC-T15	
C619	68 10%		DTZ-68	NP068	CN0468		10TCC-Q68	
C620	100		DTZ-100	NP0100	CN0310		10TCC-T10	
C621	.022				M192P2239R8		192P2239R8	
C622	.022				M192P2239R8		192P2239R8	
C623	47		DTZ-47	NP047	CN0447		10TCC-Q47	
	100		DTZ-100	NP0100	CN0310		10TCC-T10	
C624	.022				M192P2239R8		192P2239R8	
C625	100		DTZ-100	NP0100	CN0310		10TCC-T10	
C626	150 10%		DTZ-150		CN0315		10TCC-T15	
C627	100		DTZ-100	NP0100	CN0310		10TCC-T10	
C628	100		DTZ-100	NP0100	CN0310		10TCC-T10	
C629	100		DTZ-100	NP0100	CN0310		10TCC-T10	
C630	25		DTZ-25	NP025	CN0425		10TCC-T10	
C631	120		DTZ-120		CN0425		10TCC-Q25	
C632	120		DTZ-120		CN0312		10TCC-T12	
C633	.022				CN0312		10TCC-T12	
C634	100		DTZ-100	NP0100	M192P2239R8		192P2239R8	
C635	120 10%		DTZ-120		CN0310		10TCC-T10	
C636	120 10%		DTZ-120		CN0312		10TCC-T12	
C637	120 10%		DTZ-120		CN0312		10TCC-T12	
C640	.022					M192P2239R8		192P2239R8
C701	.22					M192P2239R8		192P2239R8
C702	.033 50V					M192P3339R8		192P3339R8
C710	.001		DD-102			GP210		192P3339R8
C802	.1 50V							10TS-D10
C806	47		DTZ-47	WMF05P1	EWFO5010			431P1049R5
C809	.22 50V			NP047	CN0447			10TCC-Q47
C810	100 10%		DTZ-100	WMF05P22	EWFO5022			431P2249R5
C811	.022			NP0100	CN0310			10TCC-T10
C902	.1 50V				M192P2239R8			192P2239R8
C906	47		DTZ-47	WMF05P1	EWFO5010			431P1049R5
C909	.22 50V			NP047	CN0447			10TCC-Q47
C910	100 10%		DTZ-100	WMF05P22	EWFO5022			431P2249R5
			NP0100	CN0310			10TCC-T10	
C911	.022				M192P2239R8		192P2239R8	
C1003	10	DTZ-10	NP010	CN0410			10TCC-Q10	
C1006	47	DTZ-47	NP047	CN0447			10TCC-Q47	
C1007	25	DTZ-25	NP025	CN0425			10TCC-Q25	
C1008	33	DTZ-33	NP033	CN0433			10TCC-Q33	
C1009	15	DTZ-15	NP015	CN0415			10TCC-Q15	
C1010	47	DTZ-47	NP047	CN0447			10TCC-Q47	
C1011	8							
C1012	5	DTZ-4R7	NP04P7	CN0547			10TCC-V47	
C1013	5	DTZ-4R7	NP04P7	CN0547			10TCC-V47	
C1014	100	DTZ-100	NP0100	CN0310			10TCC-T10	
C1015	100	DTZ-100	NP0100	CN0310			10TCC-T10	
C1016	.022			M192P2239R8			192P2239R8	
C1017	10	DTZ-10	NP010	CN0410			10TCC-Q10	
C1020	.022			M192P2239R8			192P2239R8	
C1021	47	DTZ-47	NP047	CN0447			10TCC-Q47	
C1022	.022			M192P2239R8			192P2239R8	
C1023	3	DTZ-3R3	NP03P3	CN0533			10TCC-V33	
C1024	33	DTZ-33	NP033	CN0433			10TCC-Q33	
C1025	68 10%	DTZ-68	NP068	CN0468			10TCC-Q68	
C1026	68 10%	DTZ-68	NP068	CN0468			10TCC-Q68	
C1027A	.022			M192P2239R8			192P2239R8	
C1029B	.022			M192P2239R8			192P2239R8	
C1030	.022			M192P2239R8			192P2239R8	
C1031	22	DTZ-22	NP022	CN0422			10TCC-Q22	
T101	Trimmer, 10pF	ECV-2						
T102	Trimmer, 10pF	ECV-2						
T103	Trimmer, 10pF	ECV-2						
T401	Trimmer	ECV-1						
T402	Trimmer							
T403	Trimmer							

PARTS LIST AND DESCRIPTION (CONTINUED)

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

COILS (RF-IF)

ITEM No.	FUNCTION	REPLACEMENT DATA			REMARKS
		PART No.	OTHER IDENTIFICATION	MILLER PART No.	
L2A	FM RF Amp	(1)	CFU-60A		
L2B	FM Oscillator	(1)			
L2C	FM Rec Antenna	(1)			
L101	FM Rec Antenna	ELA-4			
L102	RF Choke (2.2uH)	ELD-10			
L103	FM RF Amp (106MHz)	ELA-6			
L104	RF Choke	ELD-12			
L105	FM Mixer (10.7MHz)	ELD-2			
L106	FM Oscillator (108MHz)	ELA-5			
L201	Ratio Detector (10.7MHz)	ELD-13			
L202	Ratio Detector (10.7MHz)	ELD-14			
L401	RF Choke	ELA-8			
L402	AM Oscillator	(1)			
L403	AM RF Choke (4.7uH)	ELD-11			
L404	AM Oscillator (540kHz)	ELD-16			
L405	AM RF	(1)			
L406	AM Rec Antenna	(1)			
L407	AM IF Filter (455kHz)	ELD-15			
L501	Rec Antenna (27MHz)	ELD-1			
L502	RF Amp (27MHz)	ELD-1			
L503	Mixer (9.785MHz)	ELD-17			
L504	Mixer (9.785MHz)	ELD-17			
L505	IF (455kHz)	ELD-4			
L506	IF (455kHz)	ELD-4			
L507	IF (455kHz)	ELD-3			
L601	Oscillator (9.785MHz)	ELD-17			
L602	Mixer (27MHz)	ELD-6			
L603	Mixer (27MHz)	ELD-6			
L604	Mixer (27MHz)	ELD-6			
L605	Predriver (27MHz)	ELD-7			
L606	RF Choke (2.2uH)	ELA-2			
L607	Driver (27MHz)	ELD-8			
L608	RF Choke (.65uH)	ELA-3			
L609	Final (27MHz)	ELD-18			
L610	Pi Filter (27MHz)	ELD-18			
L611	RF Choke (.47uH)	ELA-9			
L612	RF Choke (.22uH)	ELA-7			
L613	TVI Trap (54MHz)	ELD-9			
L1001	PLL (10.240MHz)	ELD-2			
L1002	VCO	ELD-6			
L1003	VCO Buffer (36.750MHz)	ELD-1			
L1004	Oscillator (35.470MHz)	ELD-5			
L1005	RF Choke (150uH)	ELD-19			

(1) Part of Tuner Assembly (EXT-1ASY).

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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.	
L1	1.3A	.12	1.2mH	EL1-2			

TRANSFORMER

ITEM No.	TURNS RATIO			REPLACEMENT DATA			NOTES
	PRI.	SEC. 1	SEC. 2	MFGR. PART No.	THORDARSON PART No.	TRIAD PART No.	
L701	1	1		EL1-1			

PARTS LIST AND DESCRIPTION (CONTINUED)

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

FUSE DEVICES

ITEM No.	DESCRIPTION	REPLACEMENT DATA						
		PART No.		BUSS PART No.		LITTELFUSE PART No.		WORKMAN PART No.
		DEVICE	HOLDER	DEVICE	HOLDER	DEVICE	HOLDER	DEVICE
F1	2A Quick-acting	EXF-2	EDX-1(1)	AGC-2	HRK	312002	150145	FG2-2

(1) Holder includes cord.

MICROPHONE

ITEM No.	REPLACEMENT DATA				CONNECTION DATA						
	MFGR. PART No.	GC PART No.	GC NOISE CANCEL	GC POWER	GC CONNECTOR	GC Red	GC Shield	GC Yellow	GC Blue	GC White	GC Black
MIC	EAM-1	18-032	18-034	18-010	18-105	1	2	5	NC	NC	3

MISCELLANEOUS

ITEM No.	PART NAME	PART No.	NOTES
CF201	Filter	EPC-1	(10.7MHz)
CF202	Filter	EPC-1	(10.7MHz)
CF501	Filter	EPC-2	(455kHz)
D2	LED	EBP-8ASY	Transmit (1.73V @ 11.7mA) Assembly
D3	LED	EBP-9ASY	Receive (1.97V @ 25mA) Assembly
D302	LED	EBP-10ASY	Stereo (1.58V @ 11.4mA) Assembly
D1008	LED	EBP-15ASY	Tens & Units Assembly
J1	Jack	EDJ-3	CB Antenna
J2	Jack	EDJ-1	Radio Antenna
J3	Jack	EDJ-5	DC Power
J4	Jack	EDJ-4	Microphone
K1	Relay	EKL-1	XMT (310 Ohm)
K2	Relay	EKL-2	XMT (240 Ohm)
NL401	Lamp	EIN-1	Neon, Static Discharge
PL1	Lamp	EIL-1	Dial (13.61V @ 75mA)
S1	Switch		On/Volume (Part of VR801)
S2	Switch	EKP-1	CB/Radio
S3	Switch	EKP-1(1)	CB/Radio
S4	Switch	EKP-1	On/Off Standby
S5	Switch	EKL-1	XMT/REC (Part of K1)
S6	Switch	EKL-1	XMT/REC (Part of K1)
S7	Switch		AM/FM
S10	Switch		Local/DX (Part of VR801)
S1001	Switch	EKR-2	Channel Selector
X601	Crystal	EXP-17-9.785	9.785MHz
X1001	Crystal	EPX-15-10.24	10.240MHz
X1002	Crystal	EPX-16-35.47	35.470MHz
	Cord	EDJ-3	CB Antenna
	Tuner	EXT-1ASY	Assembly
	P.C. Board	EBP-5ASY	AM/FM IF Board Assembly
	P.C. Board	EBP-6ASY	Antenna Assembly
	P.C. Board	EBP-7ASY	Audio Amp Assembly
	P.C. Board	EBP-15	Channel Indicator LED Holder
	P.C. Board	EBP-14	Channel Switch Circuit
	P.C. Board	EBP-4ASY	FM Front Assembly
	P.C. Board	EBP-11ASY	Limiter Assembly
	P.C. Board	EBP-12ASY	PLL Assembly
	P.C. Board	EBP-16ASY	Receive Assembly
	P.C. Board	EBP-13ASY	Trans. Assembly

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

ITEM	PART No.	ITEM	PART No.
Back Plate	PL-4	Side Plate (L)	PL-3
Balance Knob B	MP-23	Side Plate (R)	PL-2
Bottom Cover	PL-15	Squelch Knob	MP-21
Function Knob C	MP-19	Switch Knob	MP-8
Function Knob D Assembly	MP-20ASY	Tone Knob B Assembly	MP-22ASY
Front Chassis Plate	PL-1	Top Cover	PL-14
Nose Piece G Assembly	AA-5ASY	Tuning Knob B Assembly	MP-24ASY
Radio Switch Knob D	MC-4		