



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 3-5875A

GENERAL ELECTRIC MODEL 3-5875A

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

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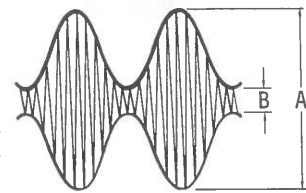
ALIGNMENT INSTRUCTIONS

CAUTION: Use isolation transformer or observe polarity when connecting test equipment.
 Maintain line voltage at 120V AC. Allow a 15-minute warm-up period.
 Adjust RV1 at TP14 for 13.8-volts DC.
 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:

T4, T201, T202, T203, T204, T205, T206	9440
T1, T2	5000, 5009, 8276, 8728, 8728A
T207, T208	5000, 5009, 8276, 8728, 8728A
L212, L214	8282, 9304, 8728, 8728A
L209, T209	8728, 8728A, 9304
VCO	9440
CT1, CT2, CT201, CT202, CT203	5000, 8276

GC ELECTRONICS:



$$\text{Modulation Ratio} = \frac{A - B}{A + B} \times 100 (\%)$$

FIGURE 1

SYNTHESIZER ALIGNMENT

TEST EQUIPMENT	TRANSCIVER	ADJUST	REMARKS
Input of DC meter to TP10 (Q225 Base).	Ch. 19	RV204	Adjust for .21 volts bias.
Input of frequency counter to TP2.	Ch. 19 AM/USB	CT201	Adjust for 10.240MHz <u>+50Hz.</u>
Input of oscilloscope to TP3.	Ch. 19 AM/USB Clarifier Midrange	T201	Adjust for maximum RF.
Input of frequency counter to TP3.	Ch. 19 AM/USB Clarifier Midrange	CT203	Adjust for 20.1050MHz <u>+20Hz.</u>
Input of frequency counter to TP3.	Ch. 19 LSB Clarifier Midrange	CT202	Adjust for 20.1035MHz <u>+20Hz.</u>
Input of DC meter to TP1.	Ch. 1 AM/USB	VCO	Adjust for 3.60 volts.
Input of frequency counter to TP6 (IC203 Pin 2).	Ch. 1		Check for 2.550MHz. Check all channels. (See Truth Chart for correct frequencies.)
Input of oscilloscope to TP7 (T203 Secondary).	Ch. 19	T202, T203	Adjust for maximum RF.
Input of frequency counter to TP7 (T203 Secondary).	Ch. 1 AM/USB Clarifier Midrange		Check for 37.660MHz. Check all channels. (See Truth Chart for correct frequencies.)
Input of frequency counter to TP7 (T203 Secondary).	Ch. 1 LSB Clarifier Midrange		Check for 37.657MHz. Check all channels. (See Truth Chart for correct frequencies.)
Input of frequency counter to TP5 (Q4 Emitter).	Ch. 19 USB/ AM XMIT	CT1	Adjust for 10.695MHz <u>+50Hz.</u>
Input of frequency counter to TP5 (Q4 Emitter).	Ch. 19 LSB	CT2	Adjust for 10.692MHz <u>+50Hz.</u>

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.
 Clarifier Midrange, RF Gain Maximum, Squelch MINIMUM, NB/ANL Off

AM

TEST EQUIPMENT	TRANSCIVER	ADJUST	REMARKS
Output of signal generator thru .01uF to TP8 (Base of Q5). 455kHz, 1000Hz @ 30% modulation.	Ch. 19	T2, T1	Adjust for maximum output.
Output of signal generator thru .01uF to antenna input. 27.185MHz, 1000Hz @ 30% modulation.	Ch. 19	T208, T207, T204, T205, T206	Adjust for maximum output. If necessary readjust T1 and T2 for maximum.

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.
 Clarifier Midrange, RF Gain Maximum, Squelch MINIMUM, NB Off, ANL Off

SSB

TEST EQUIPMENT	TRANSCIVER	ADJUST	REMARKS
Output of signal generator thru .01uF to TP9 (Base of Q7). 10.694MHz, no modulation.	Ch. 19 USB	T4, T3	Adjust for maximum output.
Output of signal generator thru .01uF to antenna input. 27.186MHz no modulation.	Ch. 19 USB	T208, T207, T204, T205, T206	Adjust for maximum output. If necessary readjust T3 and T4 for maximum.

RECEIVER ADJUSTMENTS

Connect an AC VTVM or AF wattmeter across speaker voice coil.
 Adjust volume control to obtain a suitable indication.
 Clarifier Midrange, RF Gain Maximum, Squelch MINIMUM, NB Off, ANL Off

TEST EQUIPMENT	TRANSCIVER	ADJUST	REMARKS
Input of DC meter to TP11 (Junction of R226 and R248). No signal input.	Ch. 19	RV10	RF GAIN RANGE Adjust for 2.00 volts.
Output of signal generator thru .01uF to antenna input. 27.186MHz, no modulation. Output 50,000uV.	Ch. 19 USB	RV6	SSB AGC Set volume VR2 for 0db. Decrease generator output to 10uV. Adjust so that audio does not drop more than 10db.

RECEIVER ADJUSTMENTS (Continued)

TEST EQUIPMENT	TRANSCEIVER	ADJUST	REMARKS
Output of signal generator thru .01uF to antenna input. 27.185MHz, 1000Hz @ 30% modulation. Output 500uV.	Ch. 19 AM	RV7	AM SQUELCH RANGE Adjust so that squelch just breaks.
Output of signal generator thru .01uF to antenna input. 27.186MHz, no modulation. Output 500uV.	Ch. 19 USB	RV8	SSB SQUELCH RANGE Adjust so that squelch just breaks.
Output of signal generator thru .01uF to antenna input. 27.185MHz, 1000Hz @ 30% modulation. Output 100uV.	Ch. 19 AM	RV5	AM S METER Adjust for 9 on RX SIGNAL scale of meter.
Output of signal generator thru .01uF to antenna input. 27.186MHz no modulation. Output 100uV.	Ch. 19 USB	RV4	SSB S METER Adjust for 9 on RX SIGNAL scale of meter.

TRANSMITTER ALIGNMENT

Connect an RF wattmeter and 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.

SSB

TEST EQUIPMENT	TRANSCEIVER	ADJUST	REMARKS
Input of RF wattmeter and 50-ohm, 25-watt dummy load to antenna input. Inject a 2400Hz, 10mV signal at Mic input.	Ch. 19 USB Mic Power Maximum Speech Comp. Normal	T204, T205, T3, T209, L209, L212 L214	Adjust for maximum RF output.

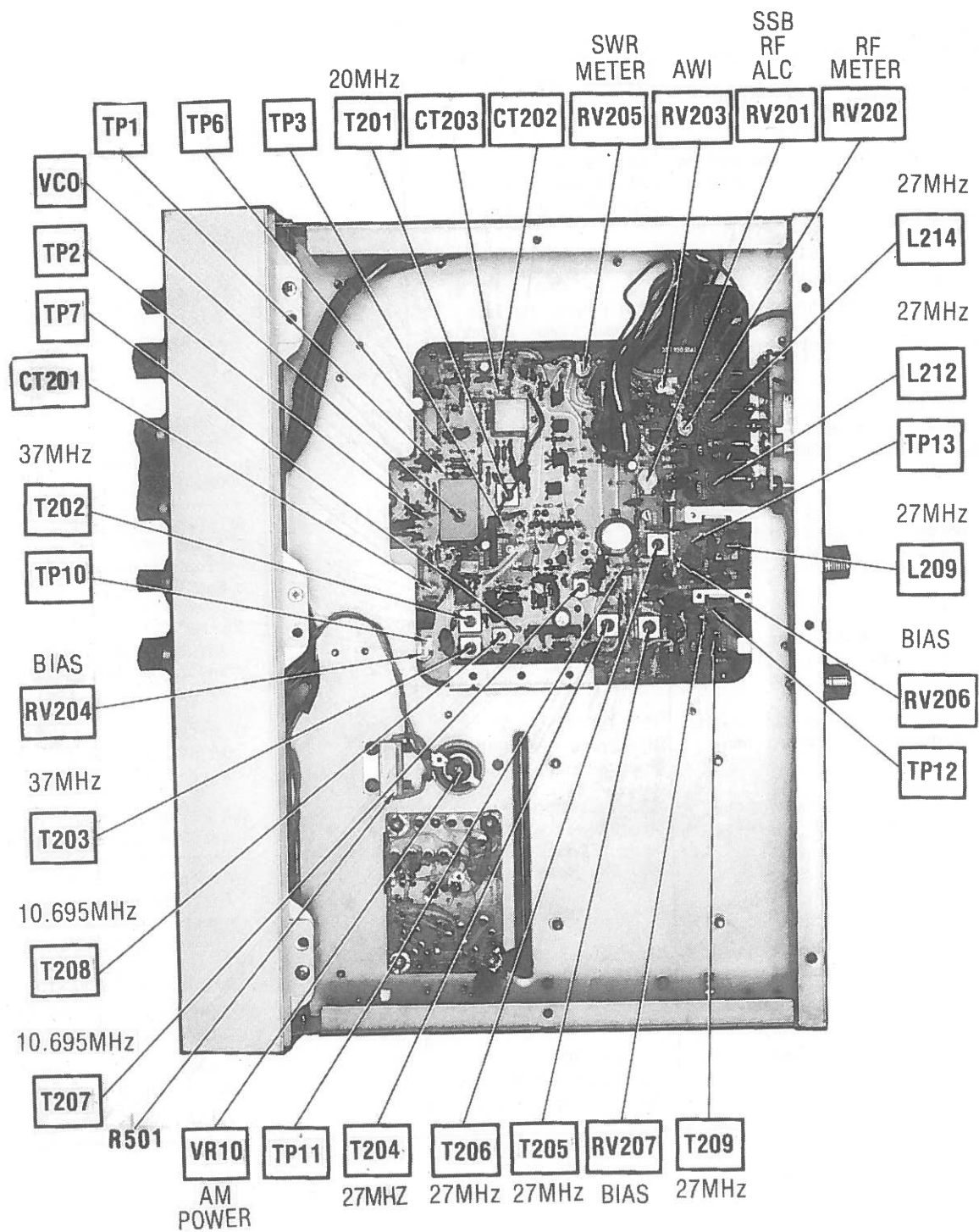
TRANSMITTER ADJUSTMENTS

Connect an RF wattmeter and 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.

TEST EQUIPMENT	TRANSCEIVER	ADJUST	REMARKS
Input of RF wattmeter and 50-ohm, 25-watt dummy load to antenna input. No signal input.	Ch. 19 USB Mic Power MINIMUM Speech Comp Normal	RV1, RV2	CARRIER BALANCE Adjust for MINIMUM RF output.

TRANSMITTER ADJUSTMENTS (Continued)

TEST EQUIPMENT	TRANSCEIVER	ADJUST	REMARKS
Input of RF wattmeter and 50-ohm, 25-watt dummy load to antenna input. No signal input. Input of DC meter to TP12 (Q207 Base).	Ch. 19 USB Mic Power MINIMUM Speech Comp Normal	RV207	XMT DRIVER BIAS Adjust for .70 volts bias.
Input of RF wattmeter and 50-ohm, 25-watt dummy load to antenna input. No signal input. Input of DC meter to TP13 (Q208 Base).	Ch. 19 USB Mic Power MINIMUM Speech Comp Normal	RV206	XMT FINAL BIAS Adjust for .70 volts bias.
Input of RF wattmeter and 50-ohm, 25-watt dummy load to antenna input. Inject a 2400Hz, 2.5mV signal at Mic input.	Ch. 19 USB Mic Power Maximum Speech Comp Normal	RV3	SSB MOD GAIN Adjust for 12 watts RF output.
Input of RF wattmeter and 50-ohm, 25-watt dummy load to antenna input. Inject a 2400Hz, 20mV signal at Mic input.	Ch. 19 USB Mic Power Maximum Speech Comp Normal	RV201	SSB RF ALC Adjust for 12 watts RF output maximum.
Input of oscilloscope or modulation meter to antenna input. Inject a 1000Hz, 100mV signal at Mic input.	Ch. 19 AM Mic Power Maximum Speech Comp Normal	RV9	AM AMC Adjust for 100% modulation maximum. See Figure 1.
Input of oscilloscope or modulation meter to antenna input. Inject a 2400Hz, 20mV signal at Mic input.	Ch. 19 AM Mic Power Maximum Speech Comp Maximum	RV1	SPEECH COMPRESSOR Adjust for 100% modulation maximum. See Figure 1.
Input of oscilloscope or modulation meter to antenna input. Inject a 1000Hz, 20mV signal at Mic input.	Ch. 19 AM Mic Power Maximum Speech Comp Normal	RV11	MOD METER Adjust so that meter indicates 100% modulation.
Input of RF wattmeter and 50-ohm, 25-watt dummy load to antenna input.	Ch. 19 AM Mic Power MINIMUM Speech Comp Normal	RV202	RF METER Adjust so that RF meter agrees with RF wattmeter.
Connect a 150-ohm, 5-watt non-inductive resistor to antenna input.	Ch. 19 AM Mic Power MINIMUM Speech Comp Normal MOD/SWR Meter CAL	RV205	SWR METER Set SWR CAL for SET on meter. Place MOD/SWR meter to SWR. Adjust for 3 on SWR scale of meter.
Connect a 150-ohm, 5-watt non-inductive resistor to antenna input.	Ch. 19 Mic Power MINIMUM Speech Comp Normal MOD/SWR Meter MOD	RV203	AWI Adjust so that AWI indicator just lights up.
Input of RF wattmeter and 50-ohm, 25-watt dummy load to antenna input.	Ch. 19 AM Mic Power MINIMUM Speech Comp Normal	VR10	AM POWER Adjust for 4.0-watts RF output maximum.

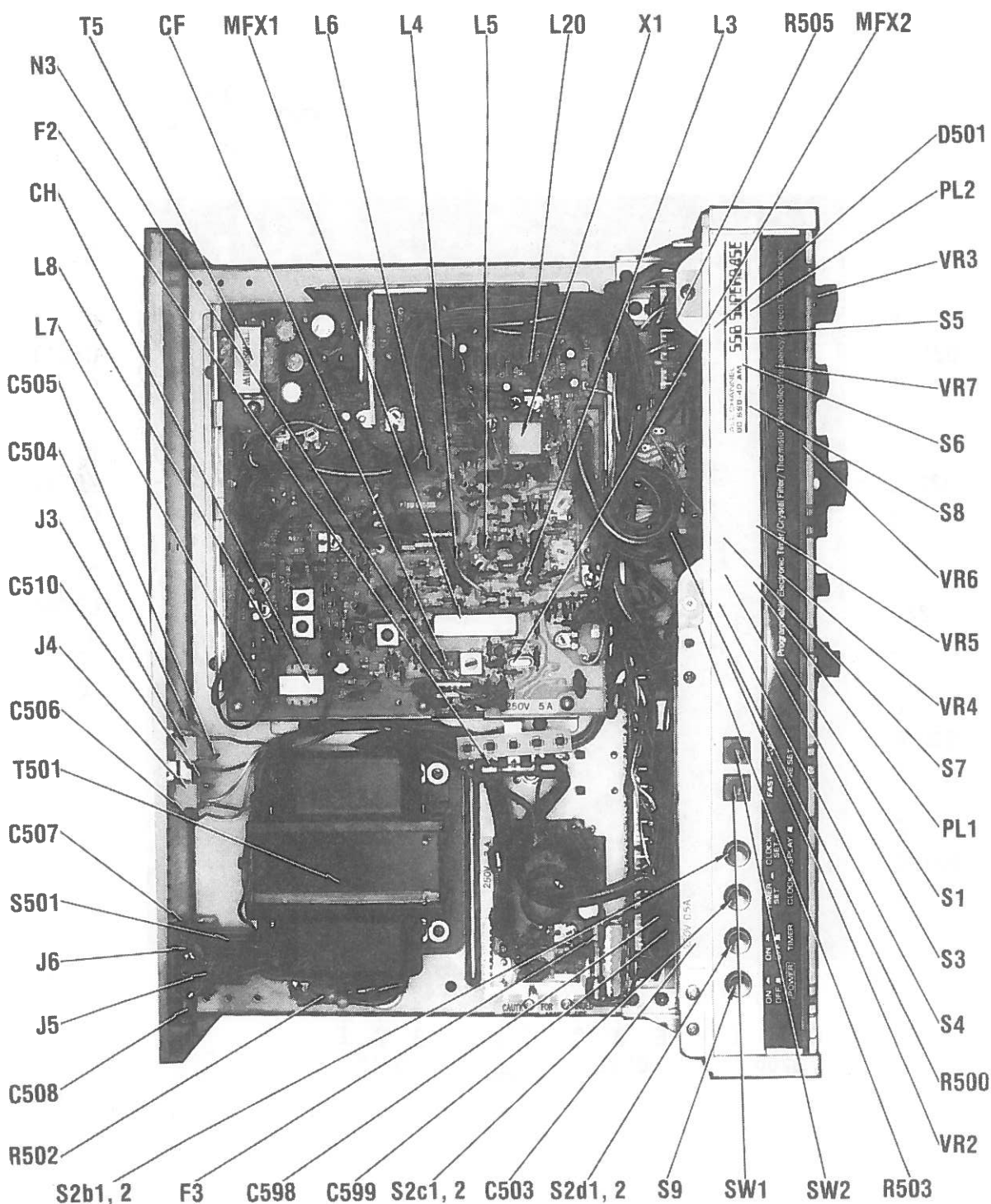


CHASSIS-BOTTOM

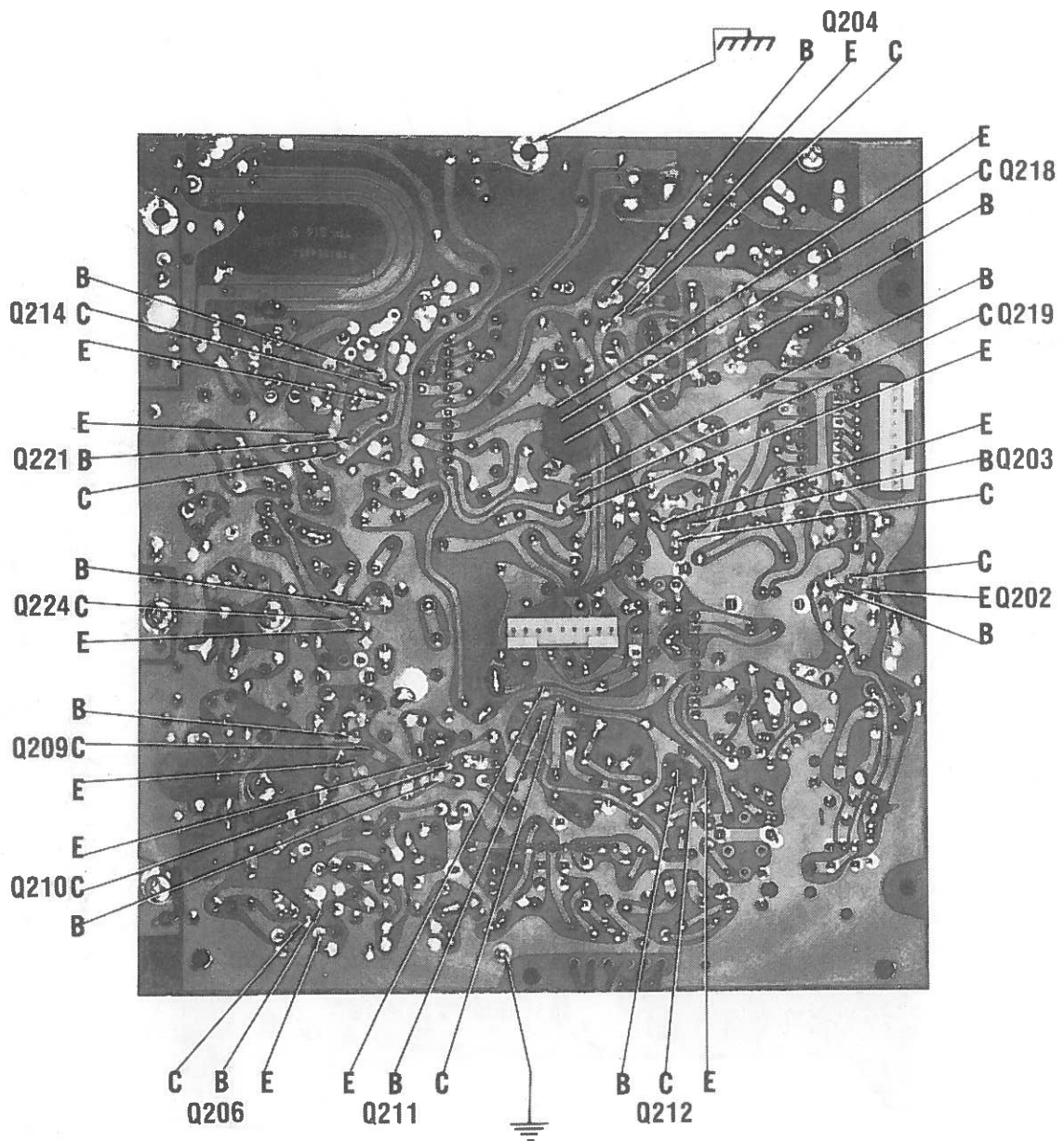
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TRUTH CHART

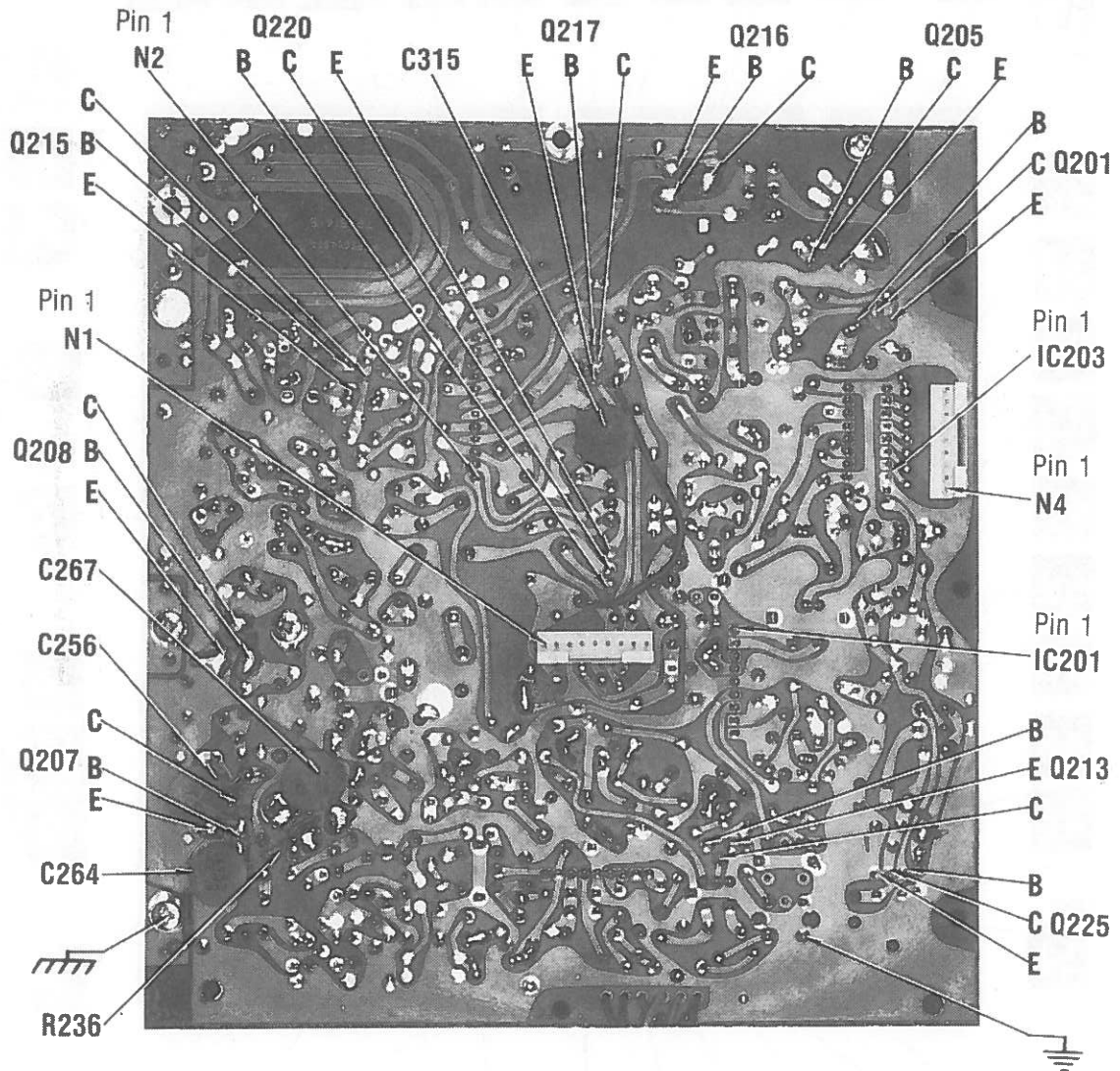
C H A N N E L	1 = 5.40 Volts 0 = 0 Volts								DIVIDER INPUT IN MHz AT TP6	AM/USB REC & XMIT SYNTHESIZER OUTPUT IN MHz AT TP7	LSB REC & XMIT SYNTHESIZER OUTPUT IN MHz AT TP7
	PROGRAM DIVIDER IC203										
	PINS										
	10	11	12	13	14	15					
1	1	1	1	1	1	1			2.550	37.660	37.657
2	1	1	1	1	1	0			2.540	37.670	37.667
3	1	1	1	1	0	1			2.530	37.680	37.677
4	1	1	1	0	1	1			2.510	37.700	37.697
5	1	1	1	0	1	0			2.500	37.710	37.707
6	1	1	1	0	0	1			2.490	37.720	37.717
7	1	1	1	0	0	0			2.480	37.730	37.727
8	1	1	0	1	1	0			2.460	37.750	37.747
9	1	1	0	1	0	1			2.450	37.760	37.757
10	1	1	0	1	0	0			2.440	37.770	37.767
11	1	1	0	0	1	1			2.430	37.780	37.777
12	1	1	0	0	0	1			2.410	37.800	37.797
13	1	1	0	0	0	0			2.400	37.810	37.807
14	1	0	1	1	1	1			2.390	37.820	37.817
15	1	0	1	1	1	0			2.380	37.830	37.827
16	1	0	1	1	0	0			2.360	37.850	37.847
17	1	0	1	0	1	1			2.350	37.860	37.857
18	1	0	1	0	1	0			2.340	37.870	37.867
19	1	0	1	0	0	1			2.330	37.880	37.877
20	1	0	0	1	1	1			2.310	37.900	37.897
21	1	0	0	1	1	0			2.300	37.910	37.907
22	1	0	0	1	0	1			2.290	37.920	37.917
23	1	0	0	0	1	0			2.260	37.950	37.947
24	1	0	0	1	0	0			2.280	37.930	37.927
25	1	0	0	0	1	1			2.270	37.940	37.937
26	1	0	0	0	0	1			2.250	37.960	37.957
27	1	0	0	0	0	0			2.240	37.970	37.967
28	0	1	1	1	1	1			2.230	37.980	37.977
29	0	1	1	1	1	0			2.220	37.990	37.987
30	0	1	1	1	0	1			2.210	38.000	37.997
31	0	1	1	1	0	0			2.200	38.010	38.007
32	0	1	1	0	1	1			2.190	38.020	38.017
33	0	1	1	0	1	0			2.180	38.030	38.027
34	0	1	1	0	0	1			2.170	38.040	38.037
35	0	1	1	0	0	0			2.160	38.050	38.047
36	0	1	0	1	1	1			2.150	38.060	38.057
37	0	1	0	1	1	0			2.140	38.070	38.067
38	0	1	0	1	0	1			2.130	38.080	38.077
39	0	1	0	1	0	0			2.120	38.090	38.087
40	0	1	0	0	1	1			2.110	38.100	38.097



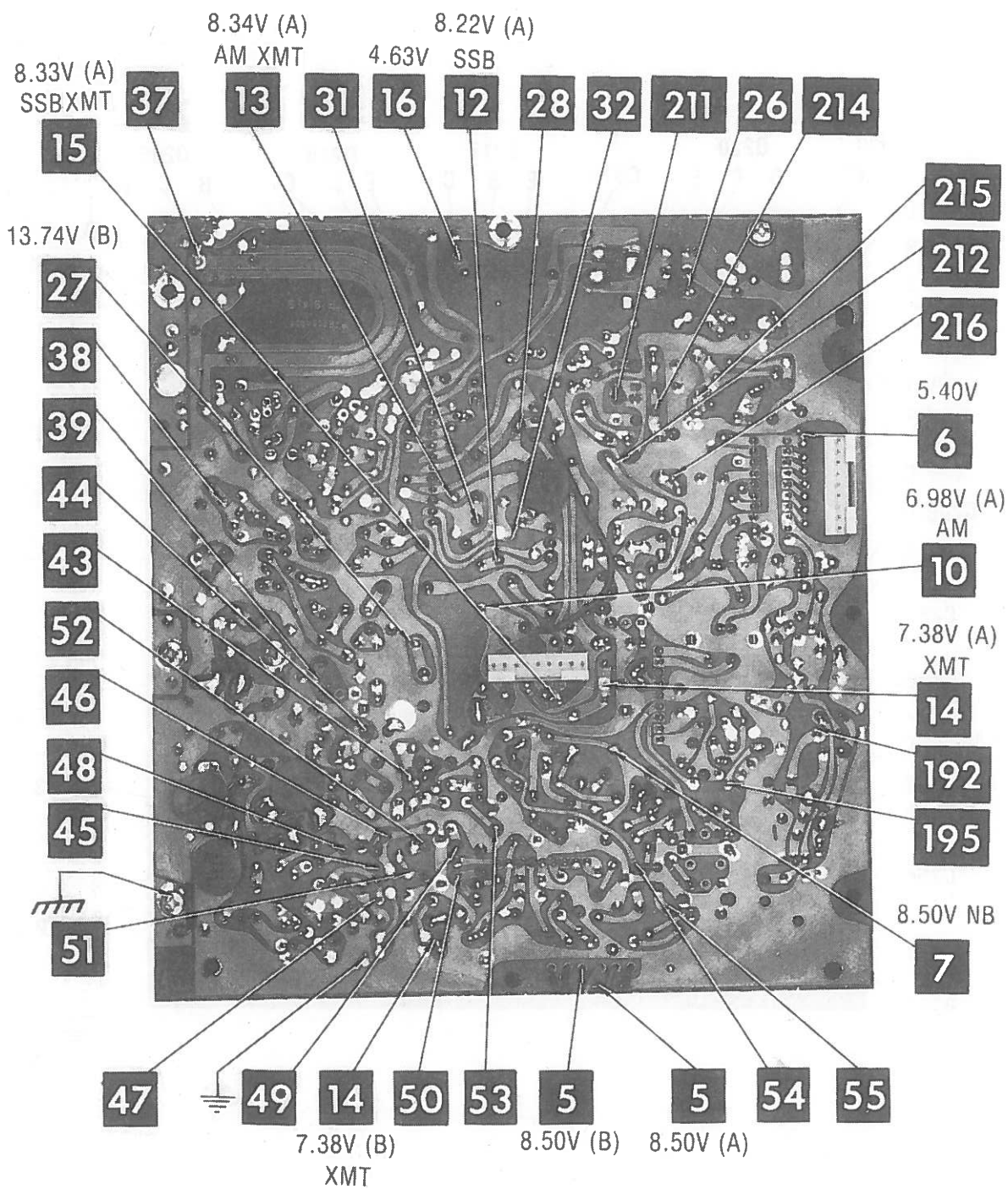
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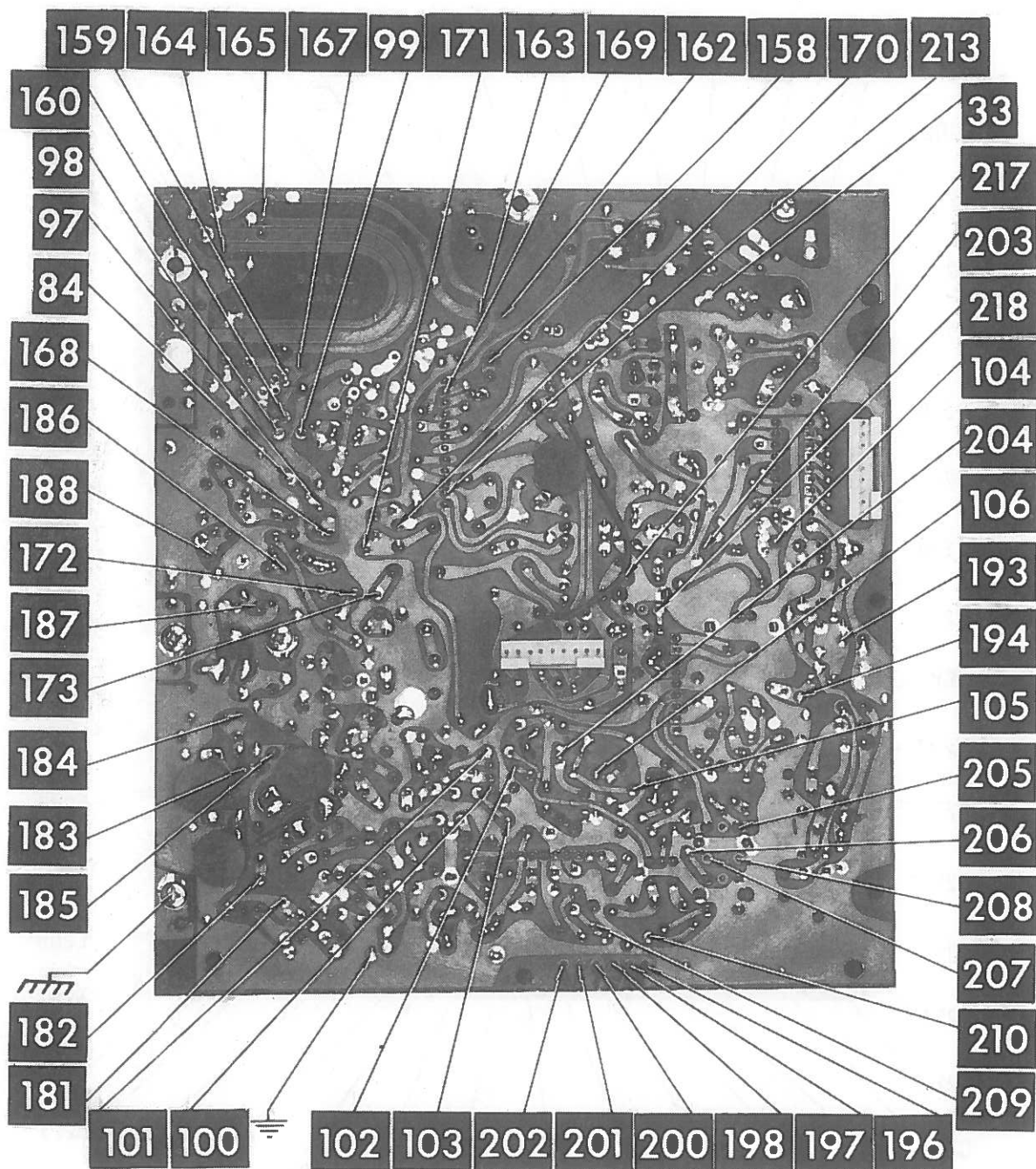
RF BOARD



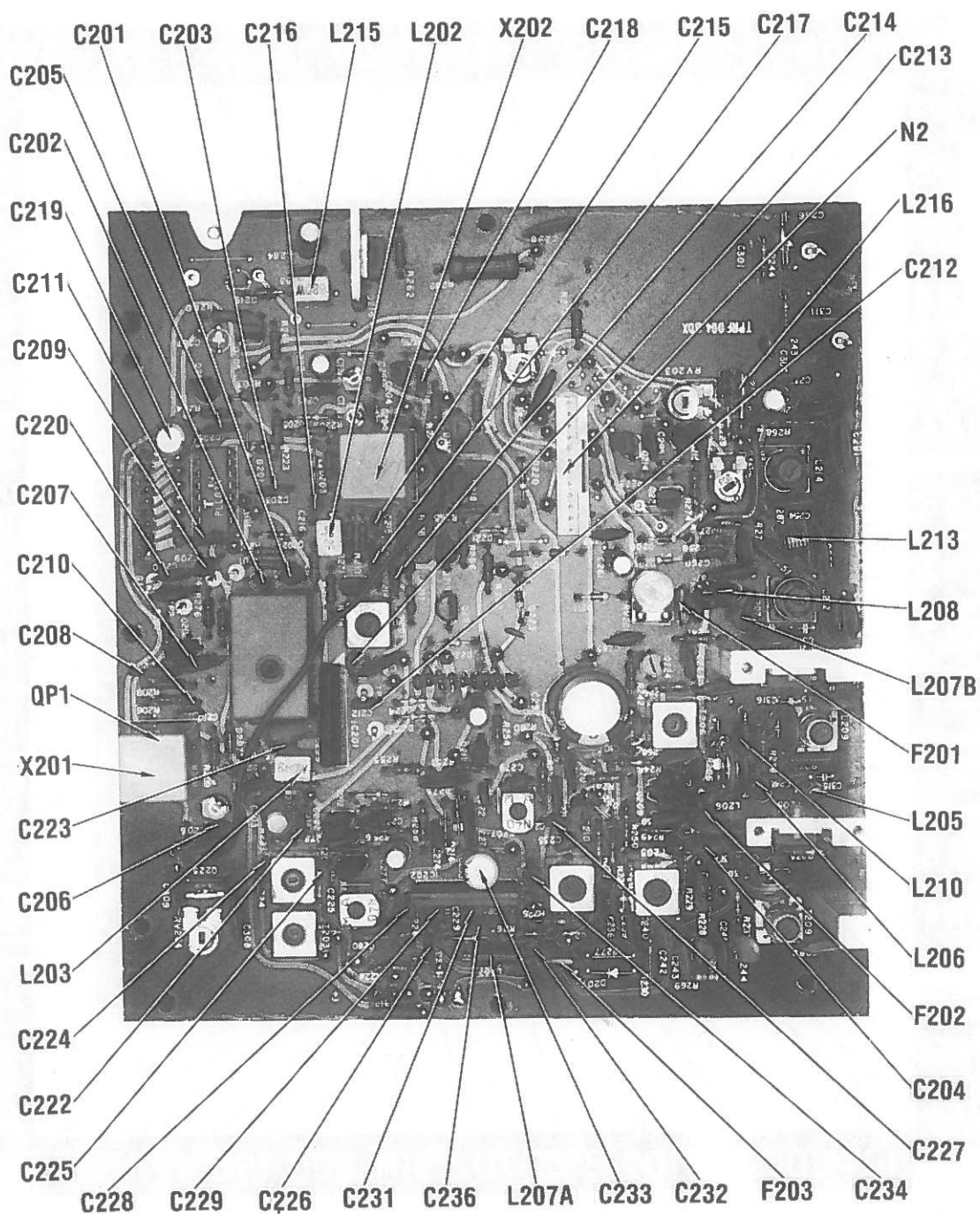
RF BOARD



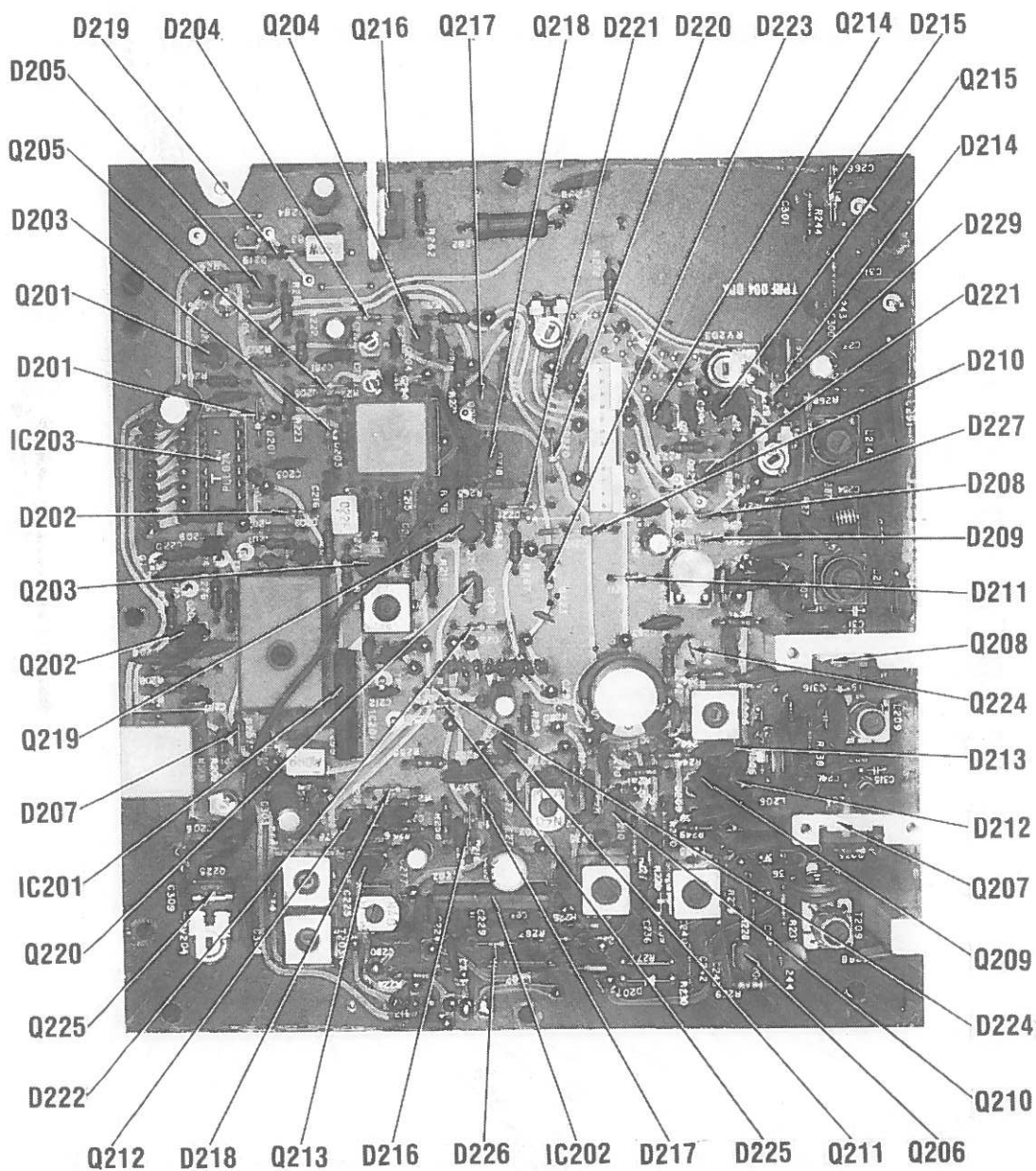
RF BOARD



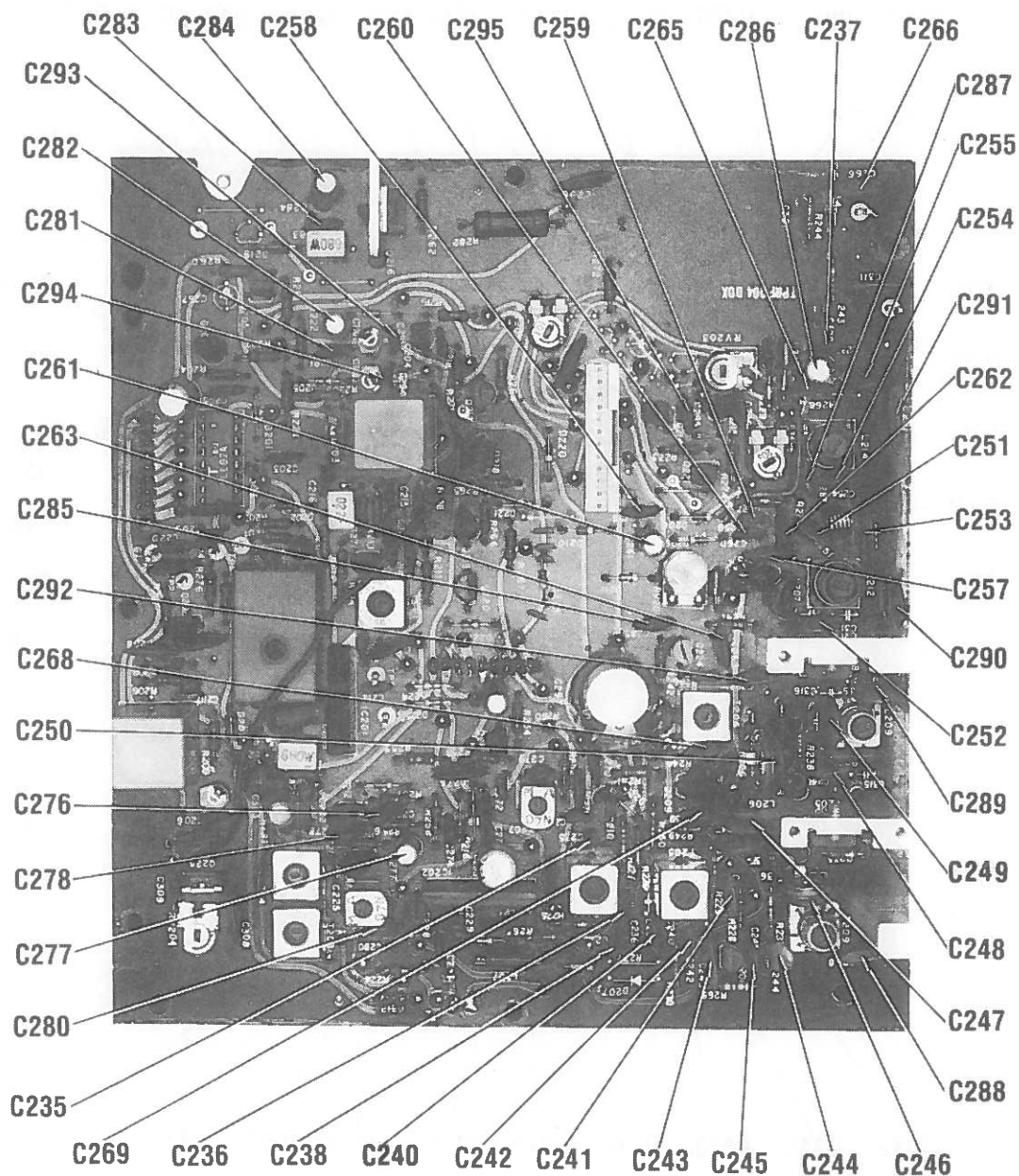
RF BOARD



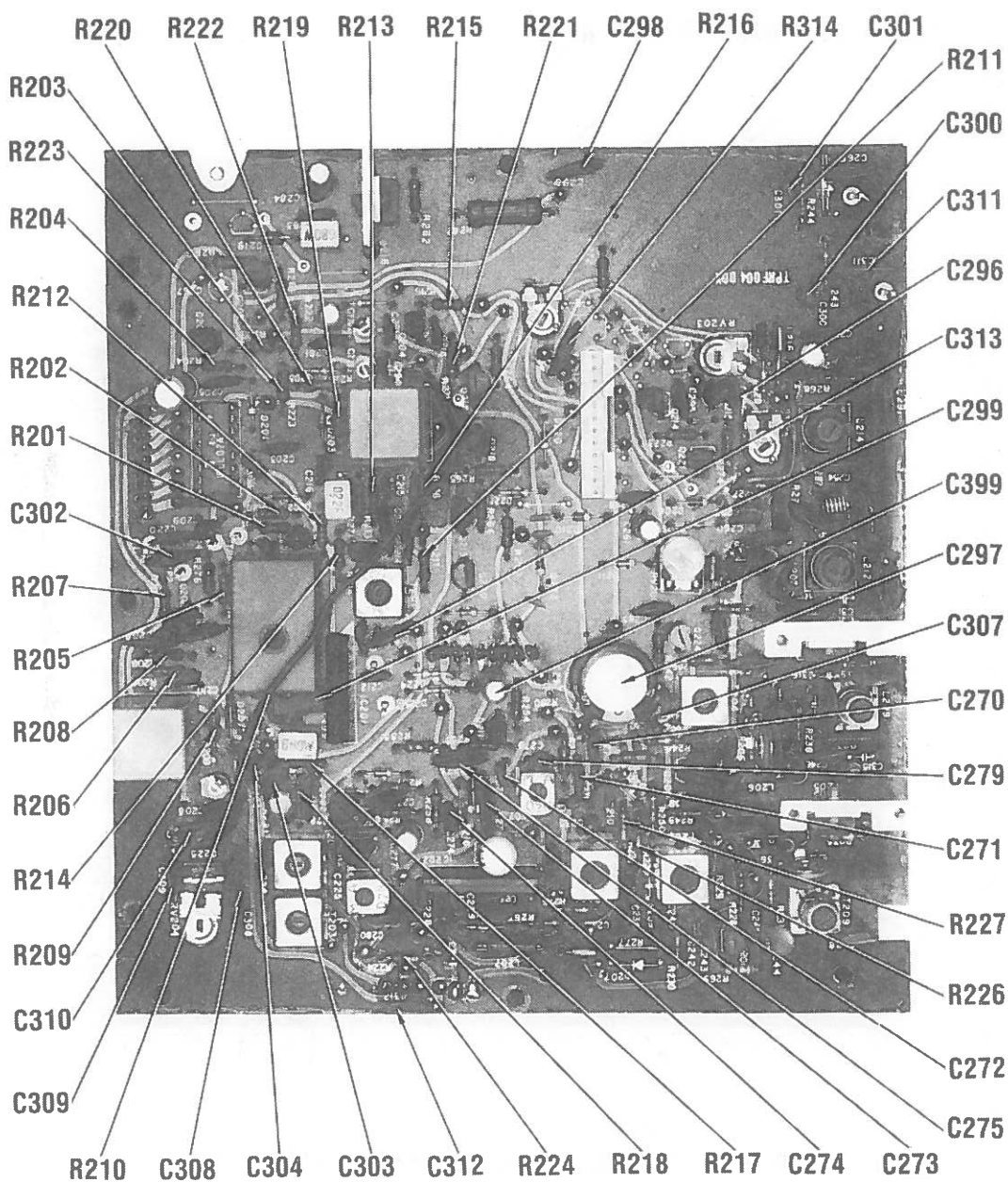
RF BOARD



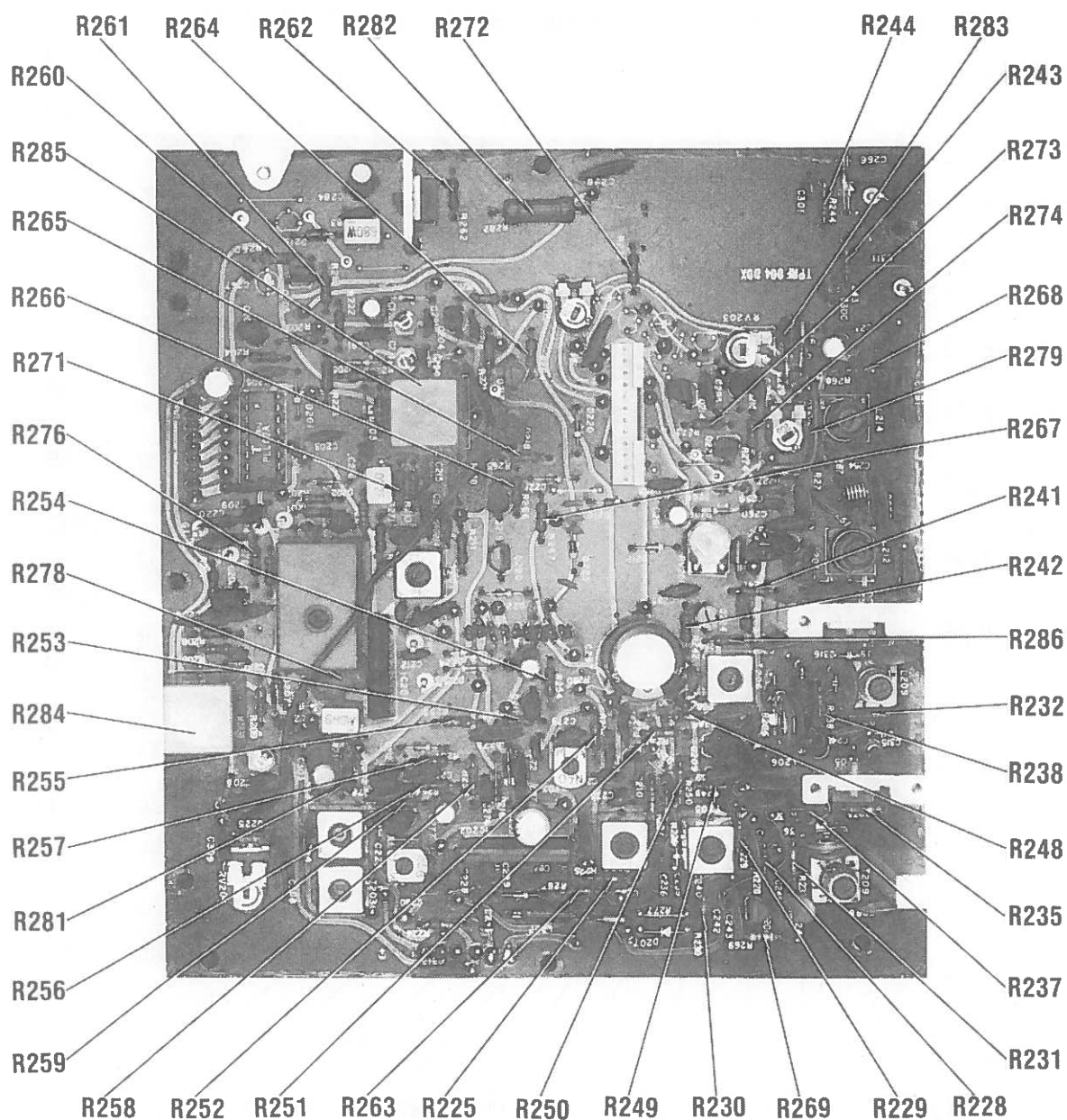
RF BOARD



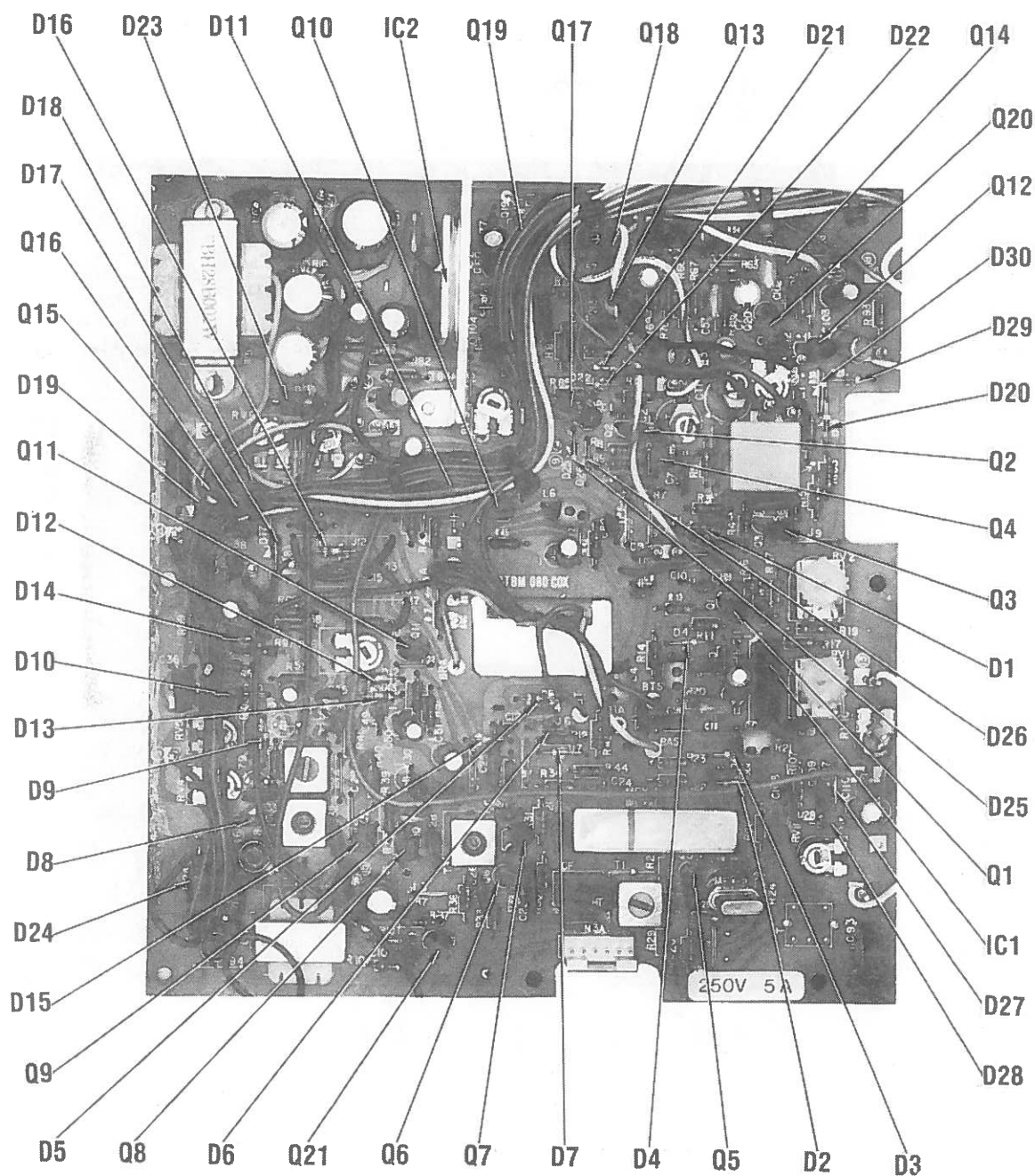
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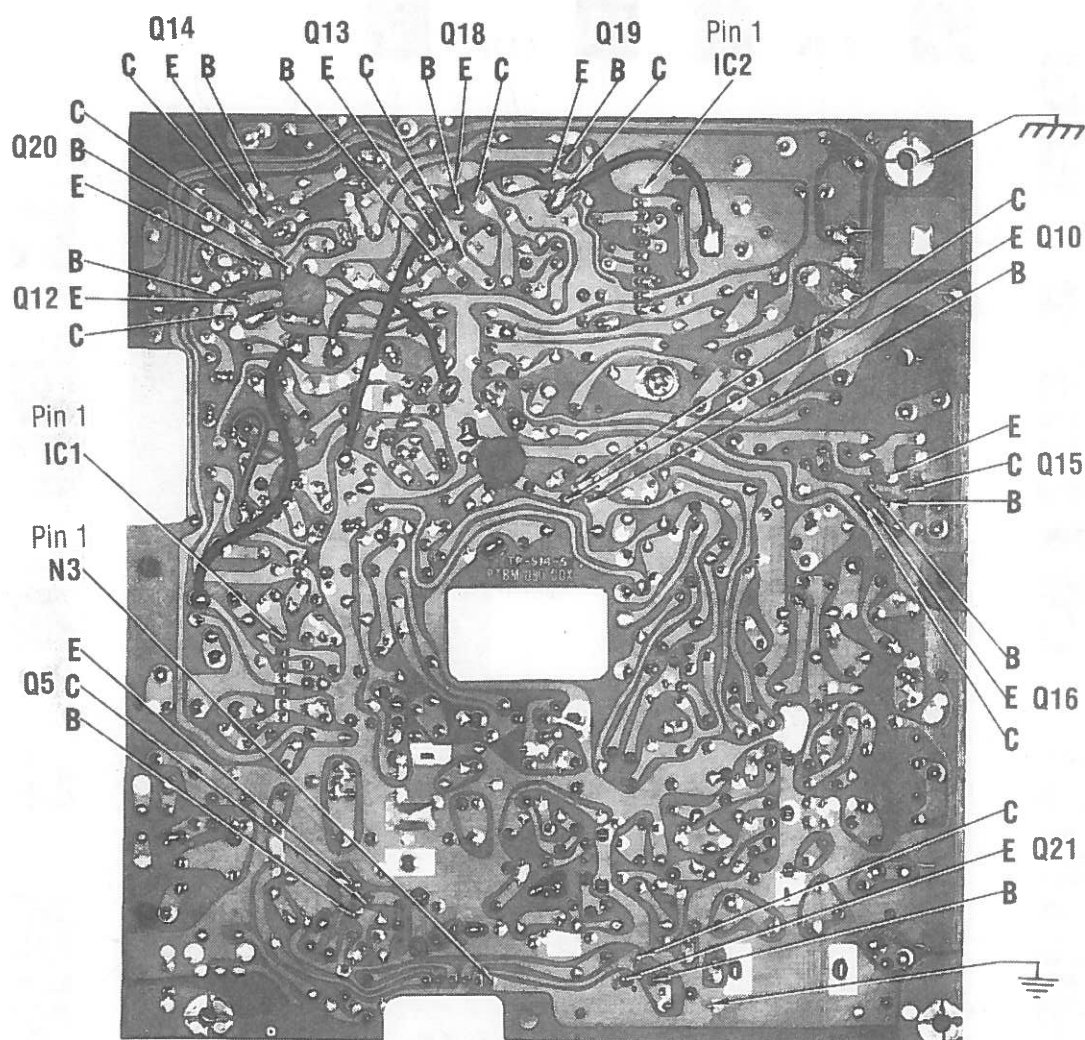
RF BOARD



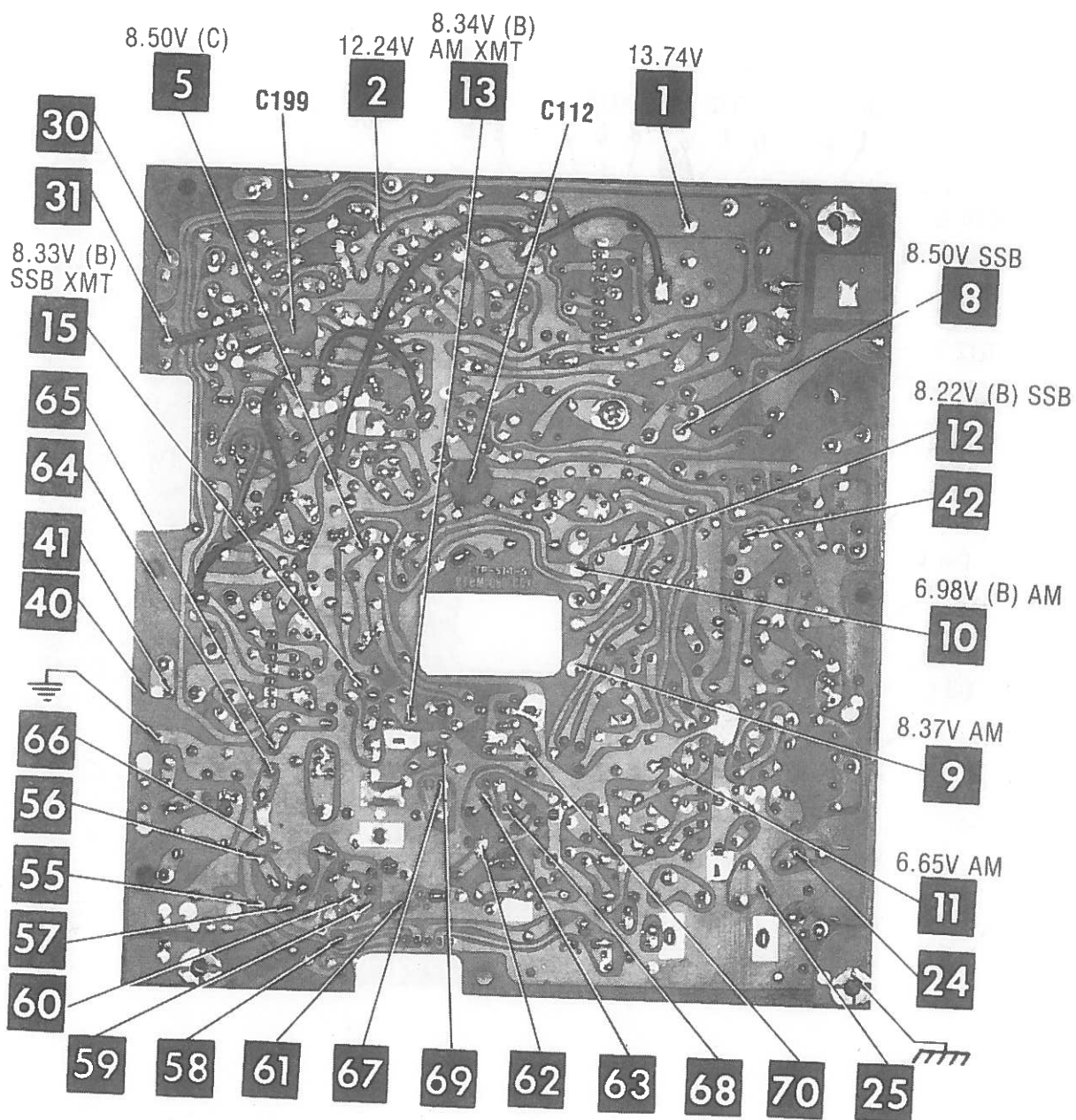
RF BOARD



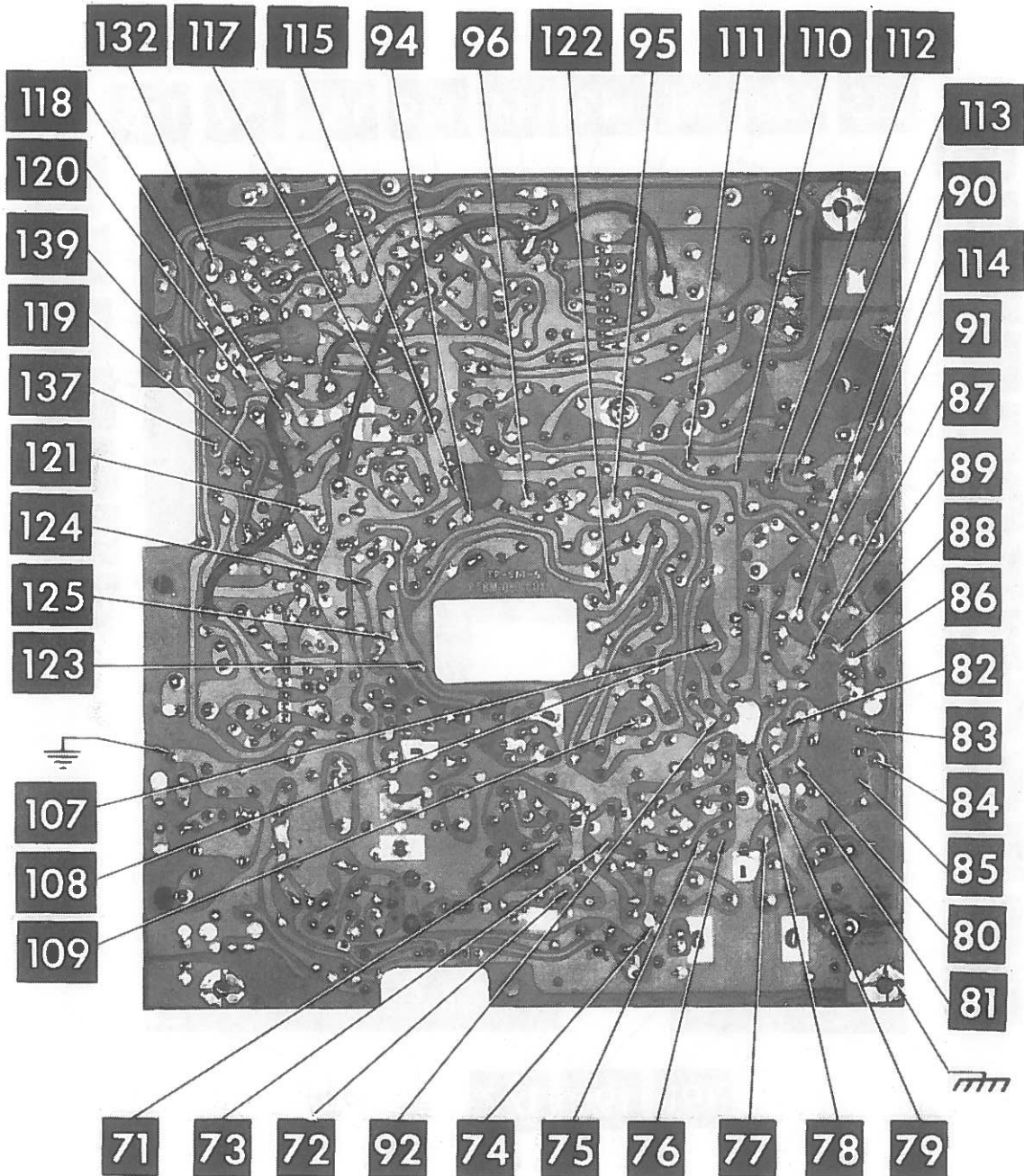
IF & AUDIO BOARD



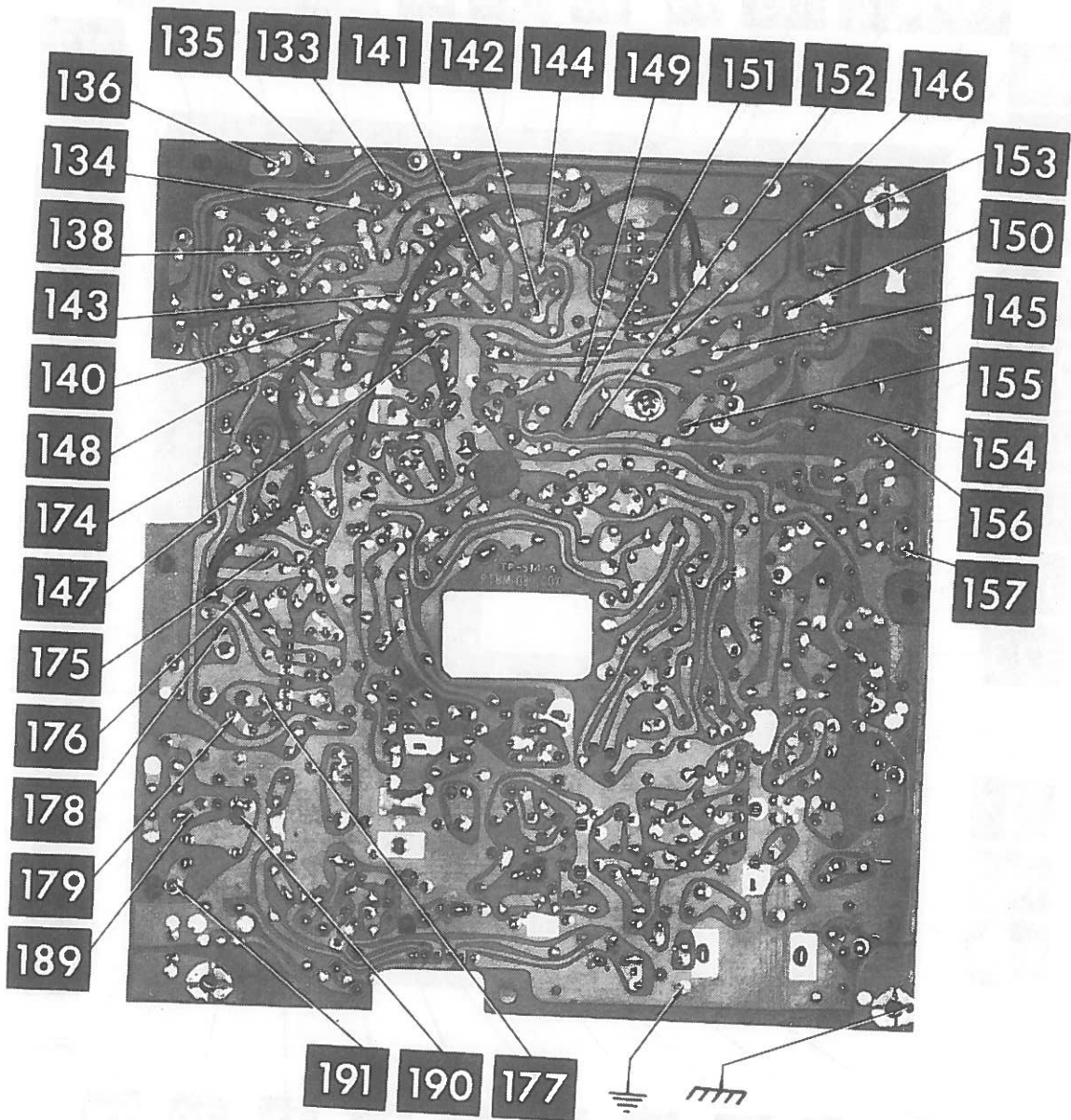
IF & AUDIO BOARD



IF & AUDIO BOARD

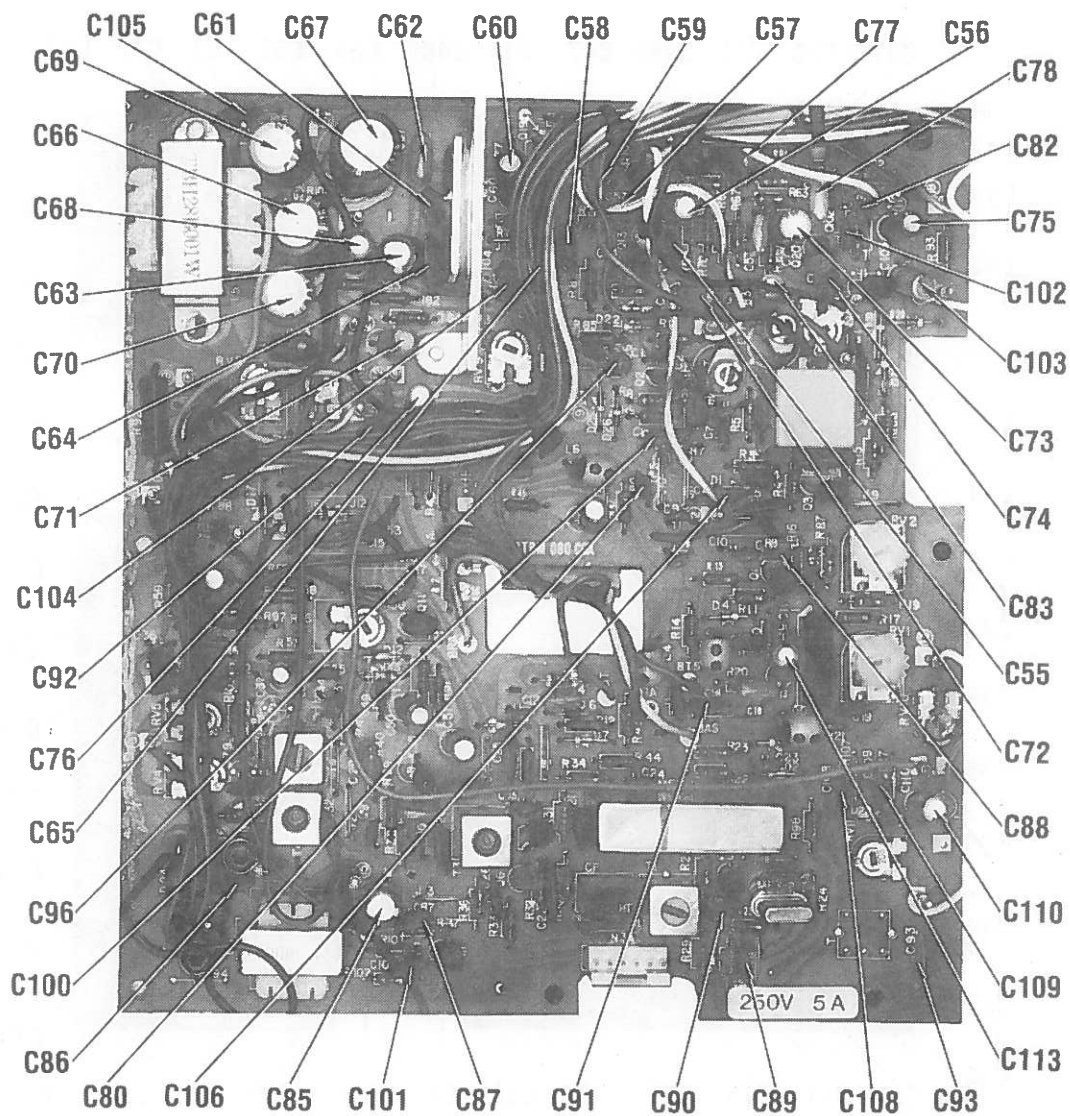


GENERAL ELECTRIC MODEL 3-5875A

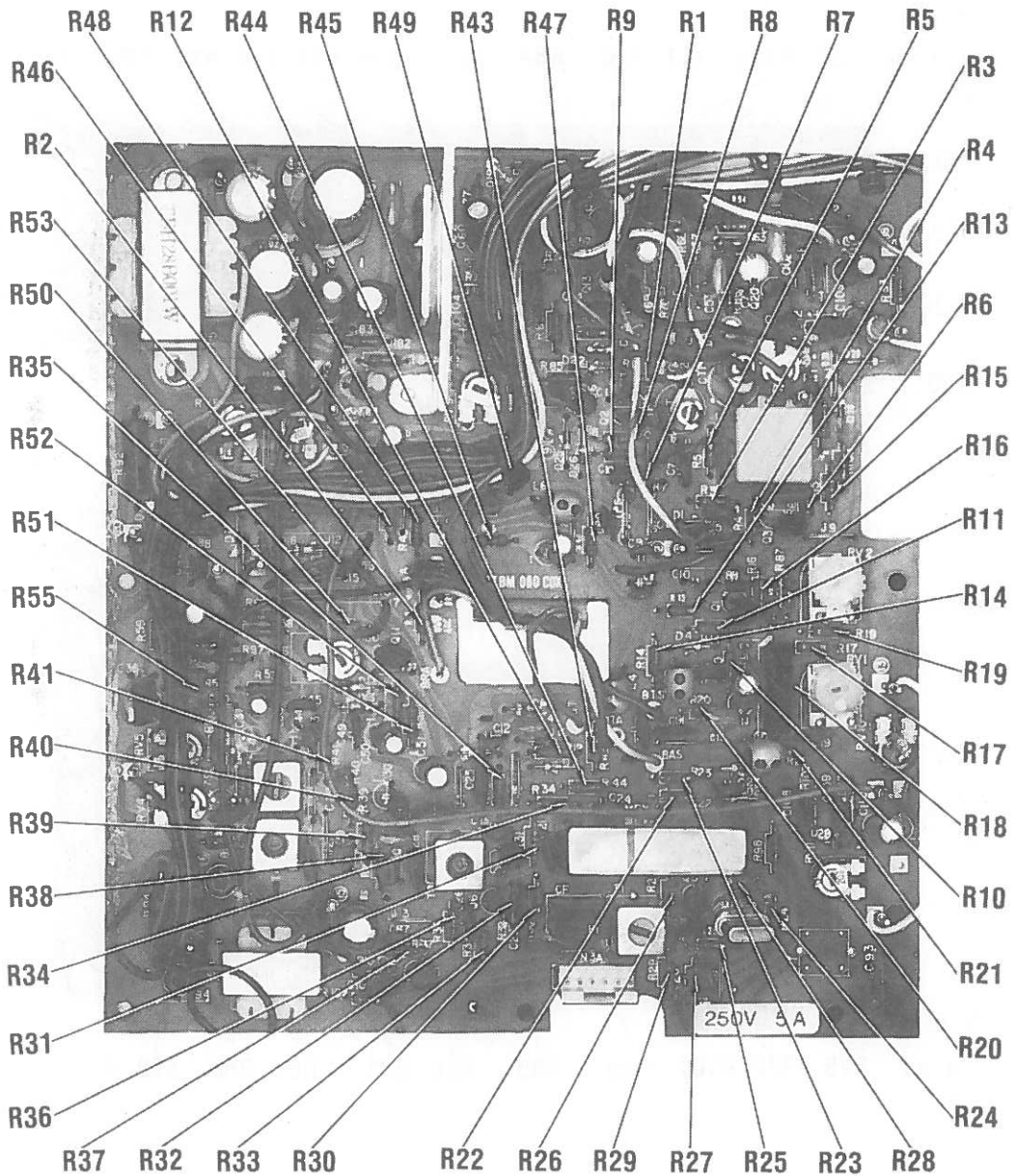


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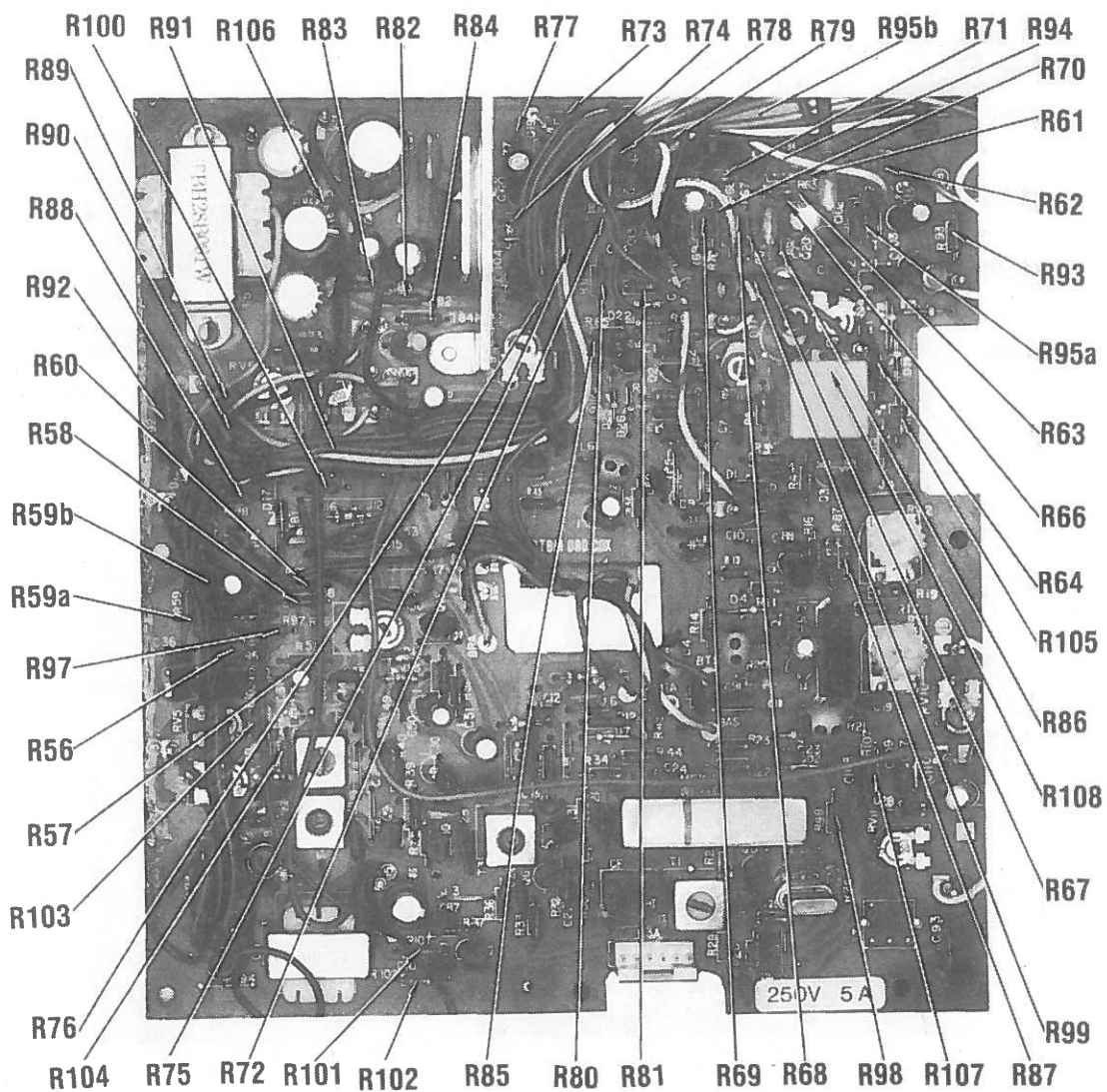




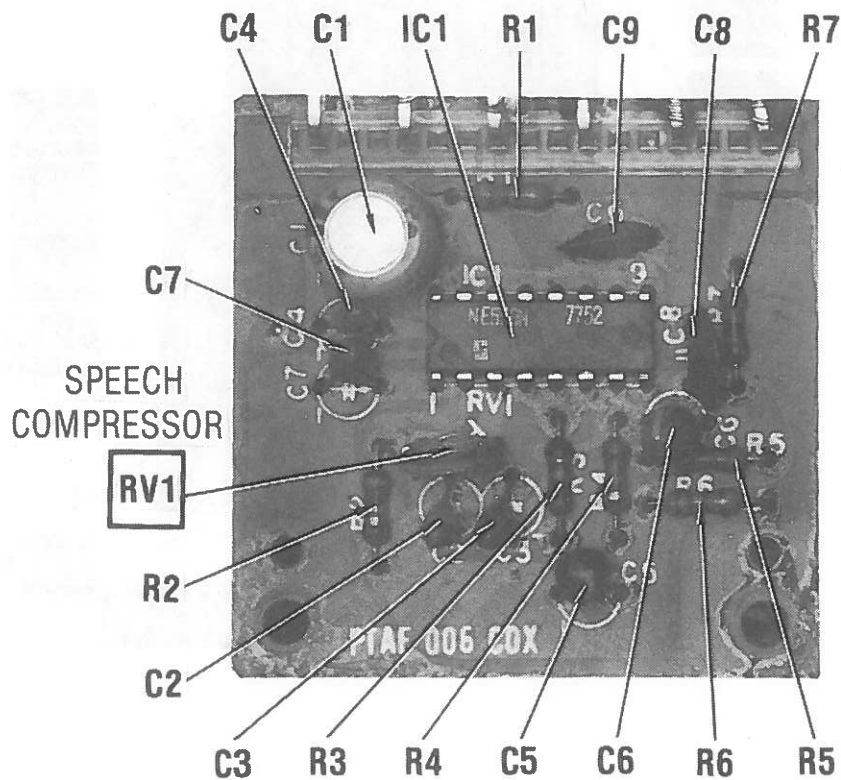
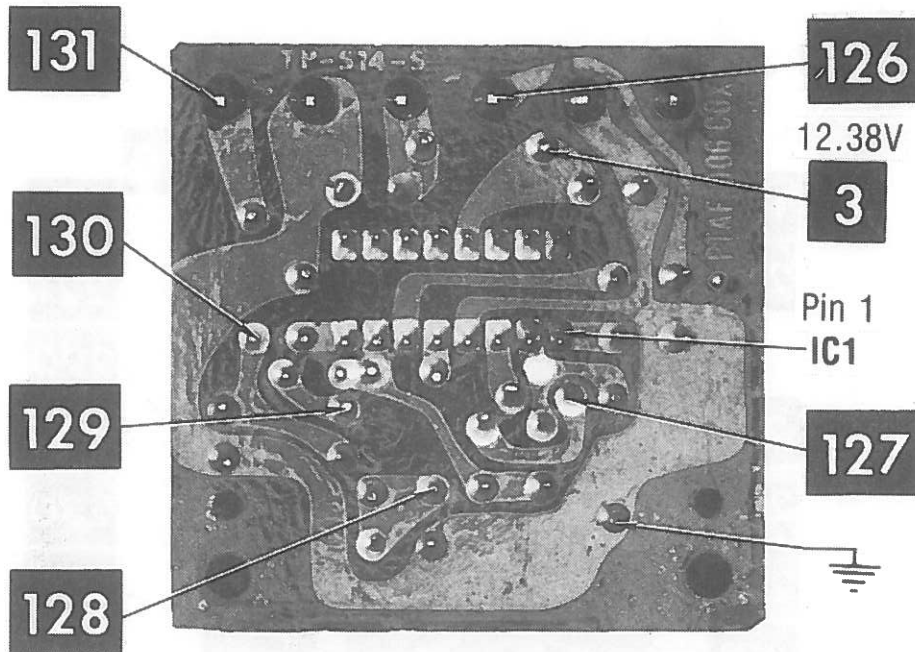
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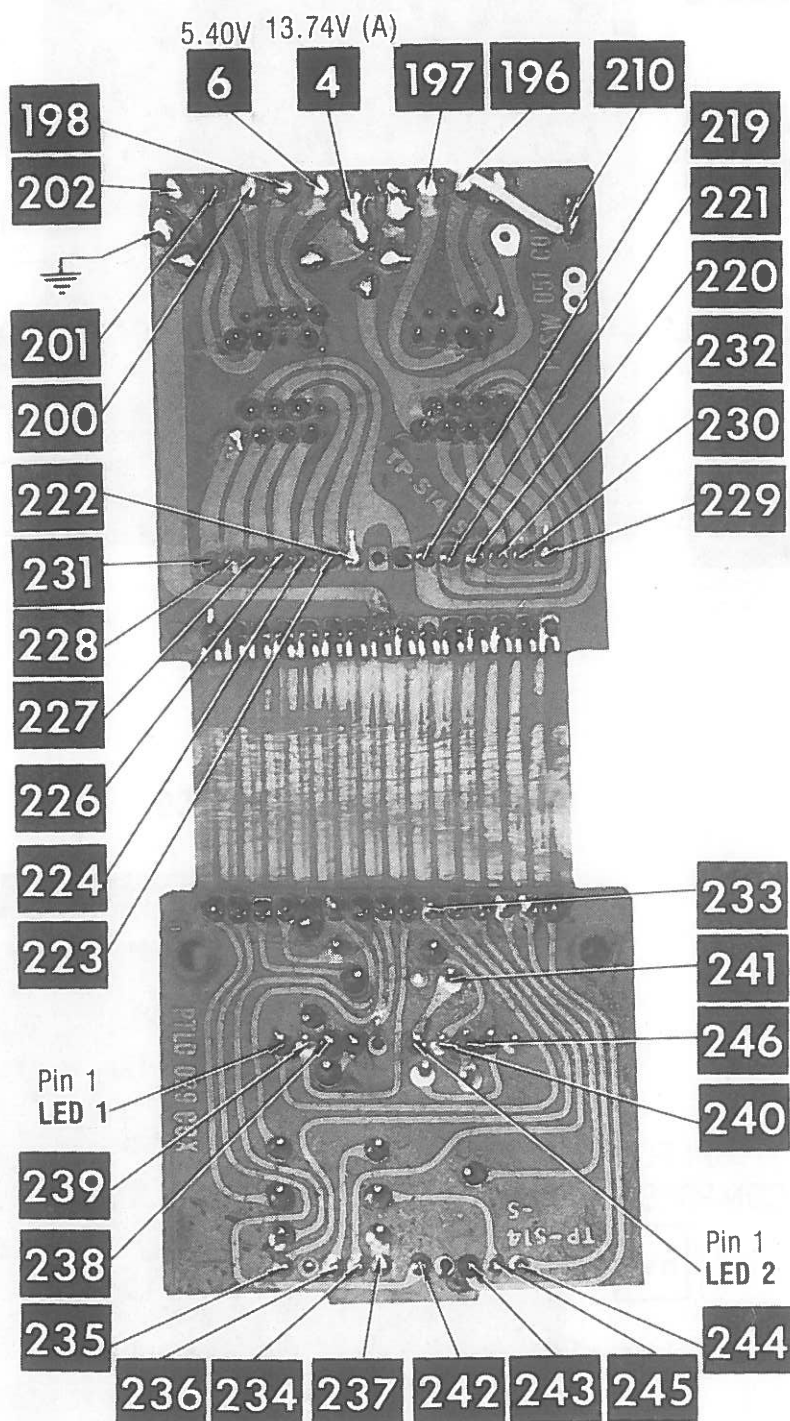
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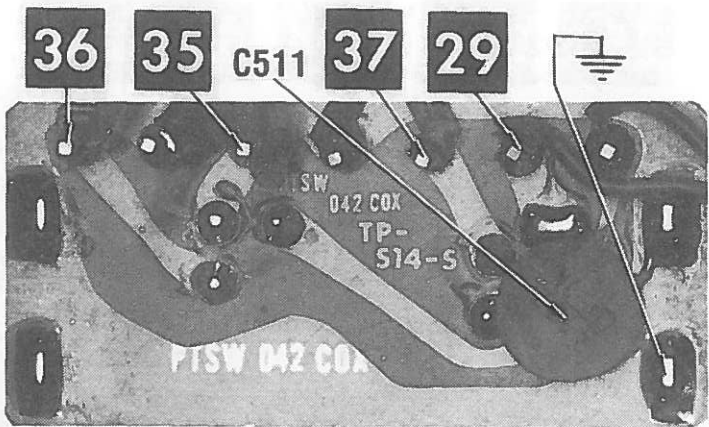
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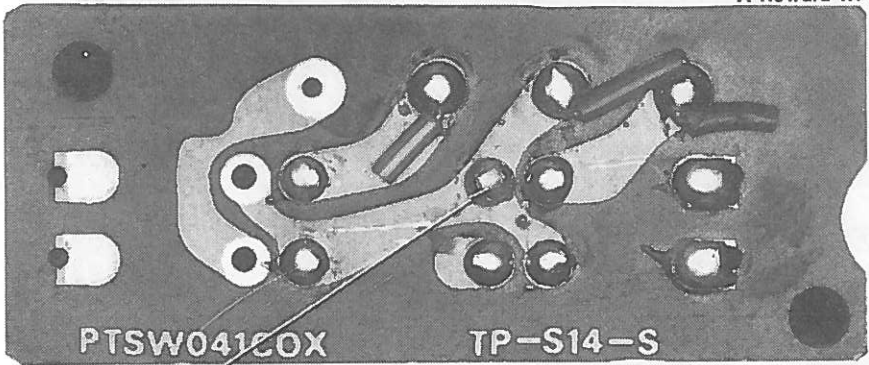
SPEECH COMPRESSOR BOARD



CH. SELECTOR LED BOARD



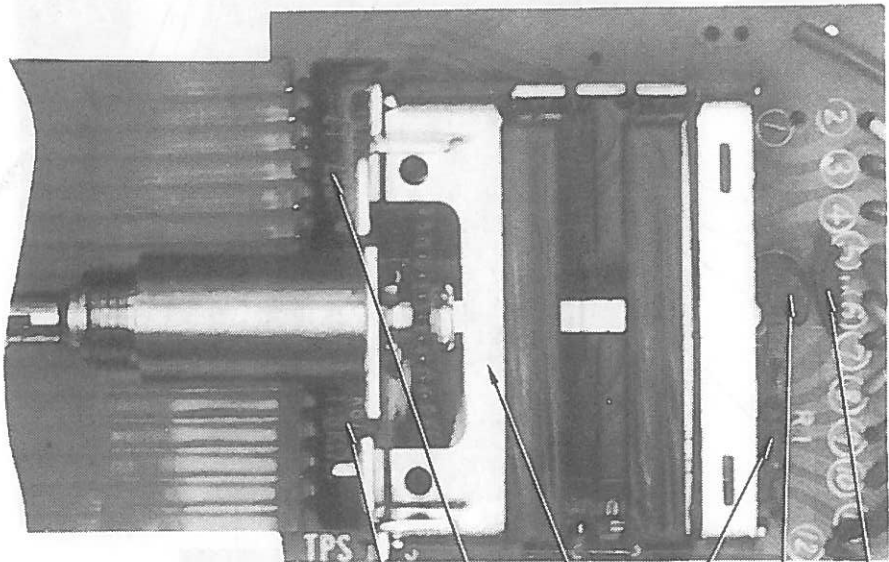
ANT. RELAY BOARD



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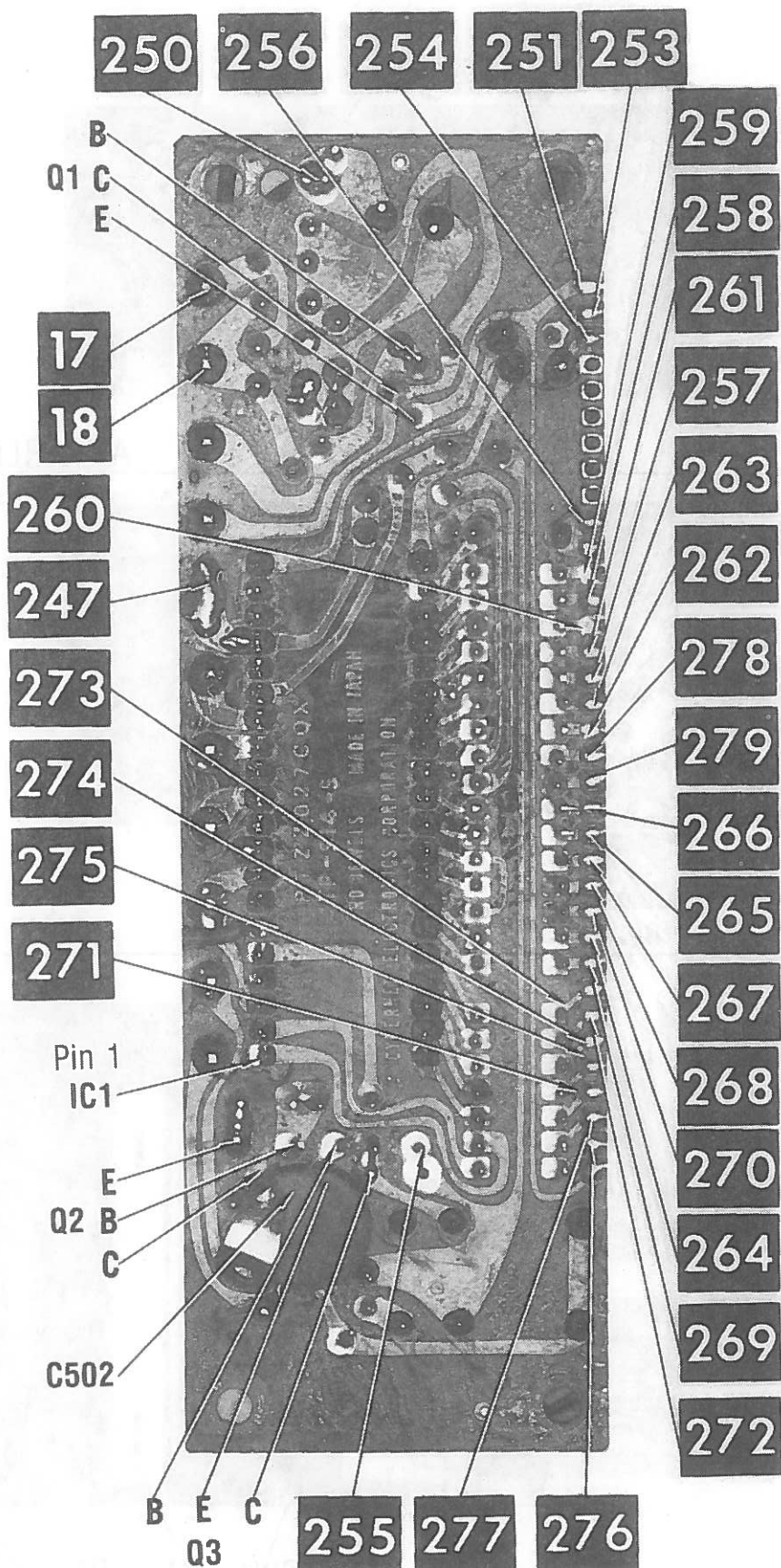
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TIME SET BOARD



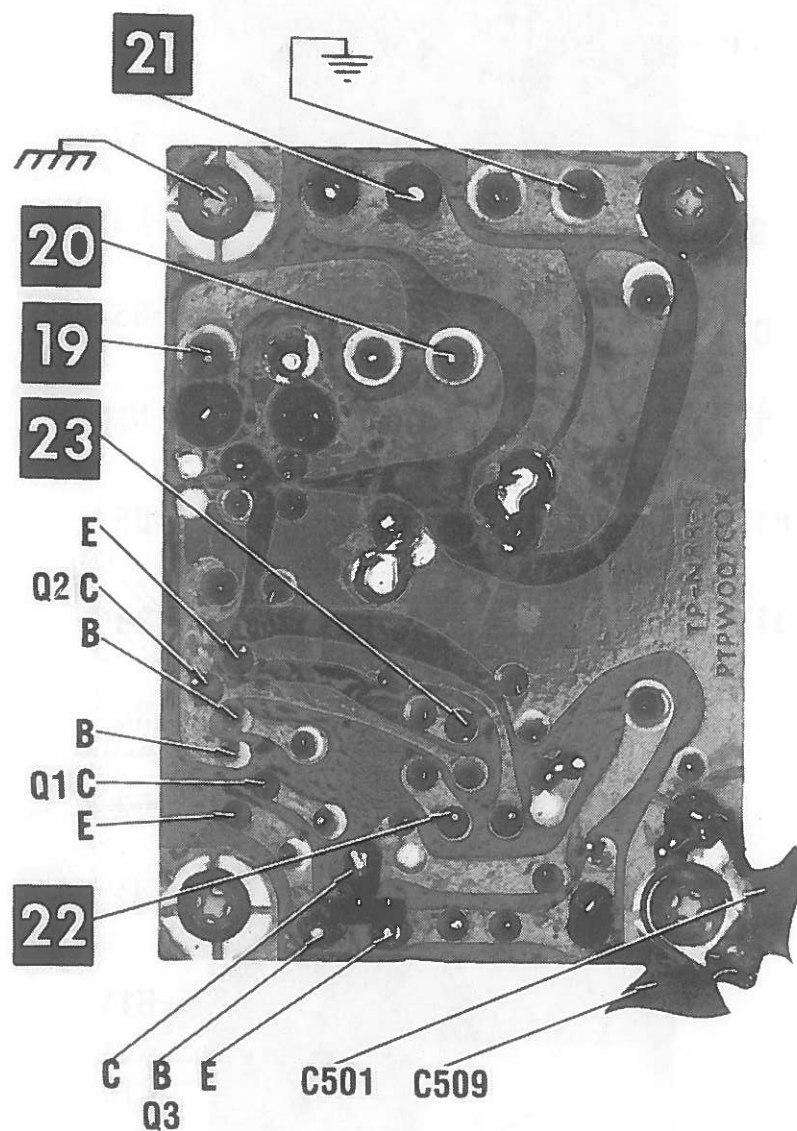
CH. SELECTOR BOARD

GENERAL ELECTRIC MODEL 3-5875A

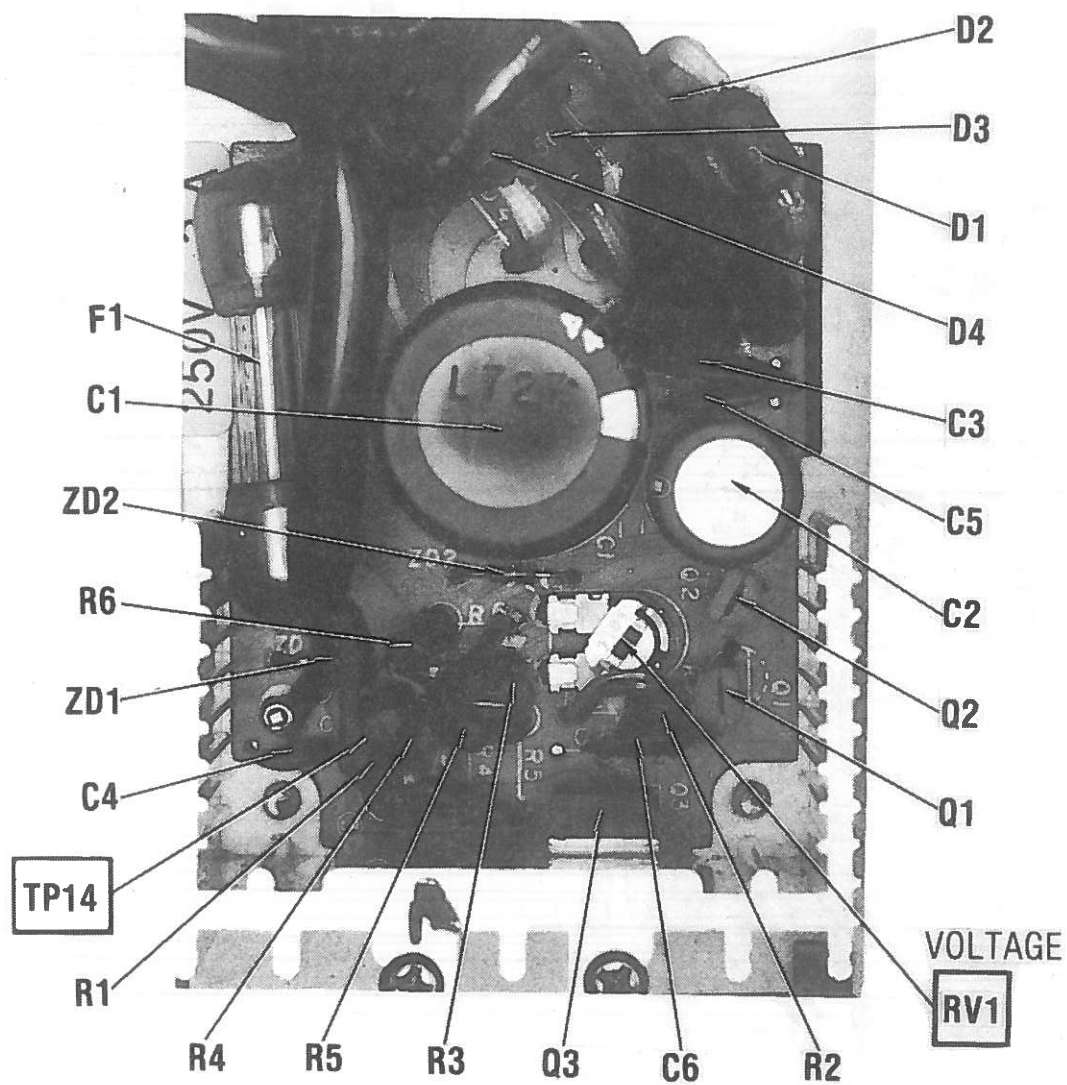


CLOCK BOARD

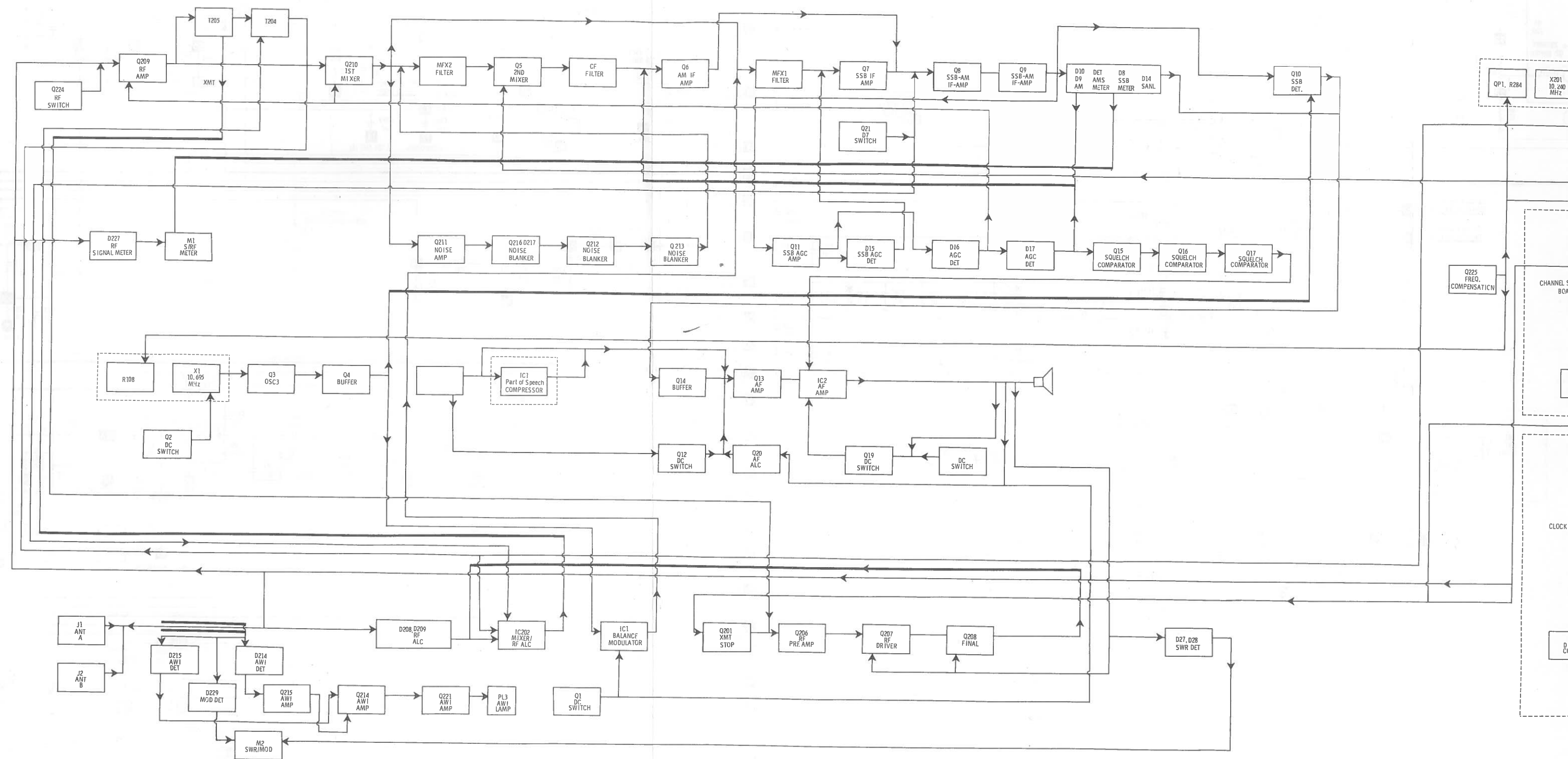




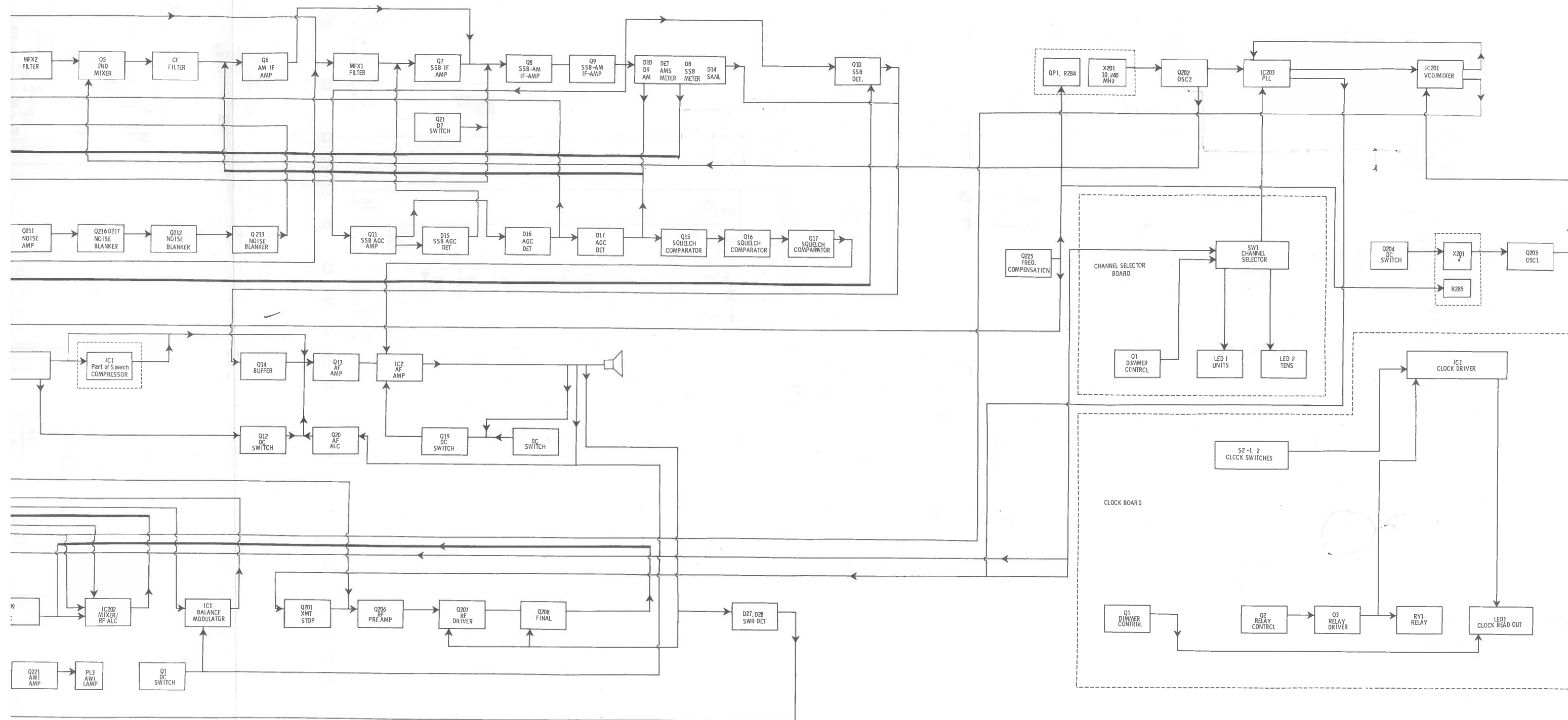
AC POWER SUPPLY BOARD



AC POWER SUPPLY BOARD

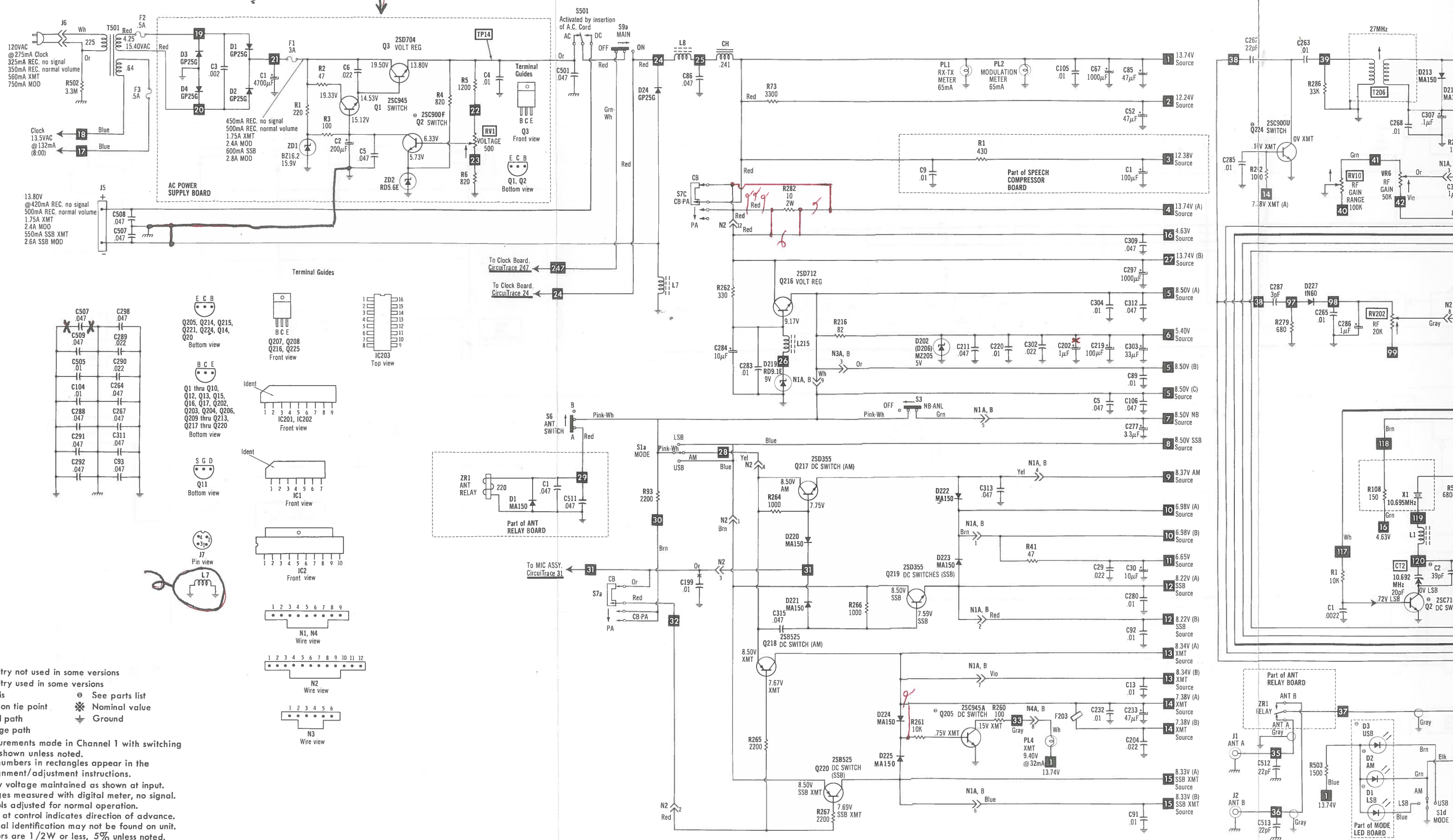


BLOCK DIAGRAM



BLOCK DIAGRAM

INSIDE DOTTED LINE!
ALL $\frac{1}{2}$ TO BE FMT



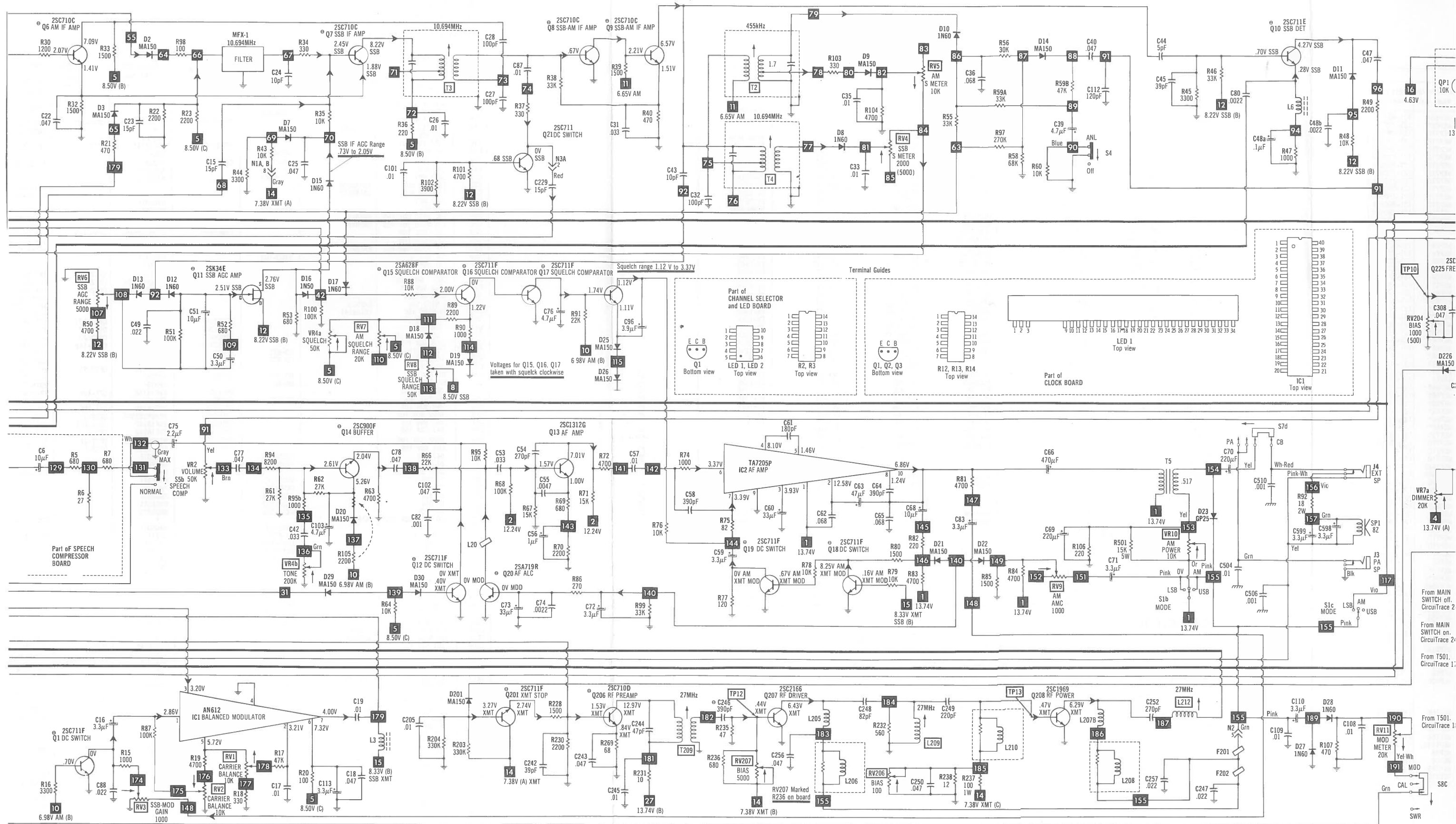
* Circuitry not used in some versions
 --- Circuitry used in some versions
 Chassis
 Common tie point
 Signal path
 Voltage path
 Measurements made in Channel 1 with switching as shown unless noted.
 Item numbers in rectangles appear in the alignment/adjustment instructions.
 Supply voltage maintained as shown at input.
 Voltages measured with digital meter, no signal.
 Controls adjusted for normal operation.
 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 PHOTOFACT STANDARD NOTATION SCHEMATIC

WITH CIRCUITTRACE®

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AC & DC POWER SUPPLY SCHEMATIC



* Circuitry not used in some versions
 --- Circuitry used in some versions
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Chassis
 Common tie point
 Signal path
 Voltage path

See parts list
 Nominal value
 Ground

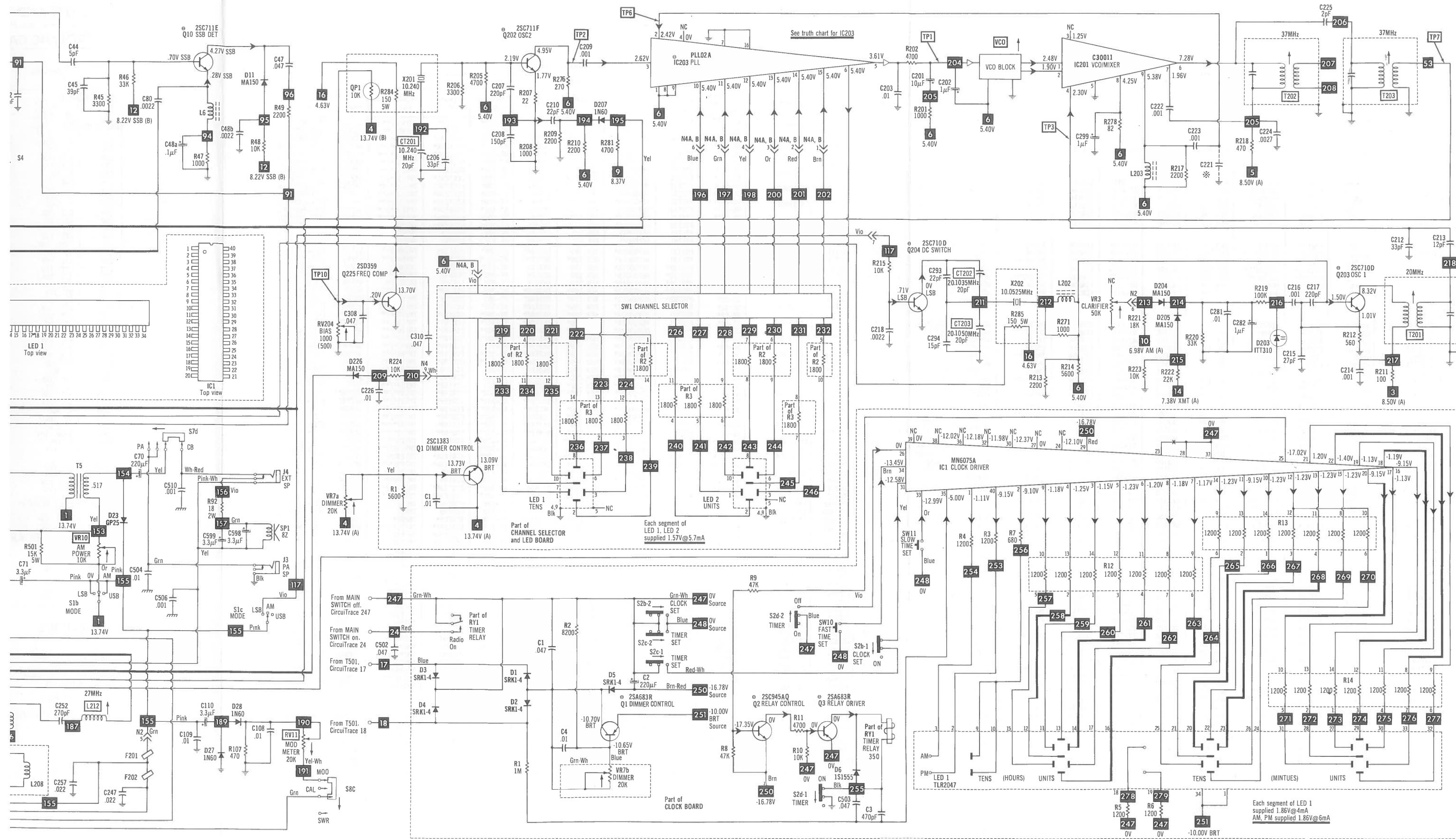
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 Supply voltage maintained as shown at input.
 Voltages measured with digital meter, no signal.

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 () used in some versions.

MAIN SCHEMATIC

77

78



PLL & CLOCK SCHEMATIC

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.	THORDARSON PART No.	WORKMAN PART No.	ZENITH PART No.
ANTENNA BOARD												
D1	MA150	EA16X146	GE-514	PTC214	HEPRO602	REN 177	SK3100	RT-218	ECG519	TM519	WEP925	103-287
CHANNEL SELECTOR BOARD												
Q1	2SC1383	EA15X250	GE-47	PTC143*	HEPS3001*	REN 293	SK3024*	RT-302	ECG293	TM293	WEP912	
CLOCK BOARD												
D1	SRK1-4	EA16X187	GE-504A	PTC201	HEPRO052	REN 116	SK3311	RT-213	ECG116	TM116	WEP156	212-76-02
D2	SRK1-4	EA16X187	GE-504A	PTC201	HEPRO052	REN 116	SK3311	RT-213	ECG116	TM116	WEP156	212-76-02
D3	SRK1-4	EA16X187	GE-504A	PTC201	HEPRO052	REN 116	SK3311	RT-213	ECG116	TM116	WEP156	212-76-02
D4	SRK1-4	EA16X187	GE-504A	PTC201	HEPRO052	REN 116	SK3311	RT-213	ECG116	TM116	WEP156	212-76-02
D5	SRK1-4	EA16X187	GE-504A	PTC201	HEPRO052	REN 116	SK3311	RT-213	ECG116	TM116	WEP156	212-76-02
D6	1S1555	RT-5217	GE-514	PTC214	HEPRO602	REN 177	SK3100	RT-218	ECG519	TM519	WEP925	103-287
IC	MN6075A											
Q1	MN6075A	EA33X8513										
	2SA683R											
	2SA683	RV2069	GE-48	PTC177	HEPS5013*	REN 294	SK3513	RT-115*	ECG294	TM294	WEP916	121-952
	25A683R		GE-48	PTC177	HEPS5013*	REN 204	SK3513	RT-115*	ECG294	TM294	WEP916	121-952
Q2	2SC945AQ		GE-212	PTC121*	HEPS0015*	REN 199	SK3124	RT-107A	ECG199	TM199/**	WEP1945	121-972
	2SC945Q	EA15X404	GE-212	PTC121*	HEPS0015*	REN 199	SK3124	RT-107A	ECG199	TM199/**	WEP1945	121-972
	2SC945		GE-212	PTC121*	HEPS0015*	REN 199	SK3124	RT-107A	ECG199	TM199/**	WEP1945	121-972
Q3	2SA683R		GE-48	PTC171	HEPS5013*	REN 294	SK3513	RT-115*	ECG294	TM294	WEP916	121-952
	2SA683	RV2069	GE-48	PTC171	HEPS5013*	REN 294	SK3513	RT-115*	ECG294	TM294	WEP916	121-952
MAIN BOARD												
D1	MA150	EA16X146	GE-514	PTC214	HEPRO602	REN 177	SK3100	RT-218	ECG519	TM519	WEP925	103-287
D2	MA150	EA16X146	GE-514	PTC214	HEPRO602	REN 177	SK3100	RT-218	ECG519	TM519	WEP925	103-287
D3	MA150	EA16X146	GE-514	PTC214	HEPRO602	REN 177	SK3100	RT-218	ECG519	TM519	WEP925	103-287
D4	MA150	EA16X146	GE-514	PTC214	HEPRO602	REN 177	SK3100	RT-218	ECG519	TM519	WEP925	103-287
D5	1N60	EA16X48	1N60	PTC206	HEPR9135	REN 109	SK3088	RT-263	ECG109	TM109/**	WEP134	103-29001
D6	MC301	EA16X176	GE-300	PTC214	HEPRO602	REN 177	SK3100	RT-218	ECG519	TM519	WEP925	103-287
D7	MA150	EA16X146	GE-514	PTC214	HEPRO602	REN 177	SK3100	RT-218	ECG519	TM519	WEP925	103-287
D8	1N60	EA16X48	1N60	PTC206	HEPR9135	REN 109	SK3088	RT-263	ECG109	TM109/**	WEP134	103-29001
D9	MA150	EA16X146	GE-514	PTC214	HEPRO602	REN 177	SK3100	RT-218	ECG519	TM519	WEP925	103-287
D10	1N60	EA16X48	1N60	PTC206	HEPR9135	REN 109	SK3088	RT-263	ECG109	TM109/**	WEP134	103-29001
D11	MA150	EA16X146	GE-514	PTC214	HEPRO602	REN 177	SK3100	RT-218	ECG519	TM519	WEP925	103-287
D12	1N60	EA16X48	1N60	PTC206	HEPR9135	REN 109	SK3088	RT-263	ECG109	TM109/**	WEP134	103-29001
D13	1N60	EA16X48	1N60	PTC206	HEPR9135	REN 109	SK3088	RT-263	ECG109	TM109/**	WEP134	103-29001
D14	MA150	EA16X146	GE-514	PTC214	HEPRO602	REN 177	SK3100	RT-218	ECG519	TM519	WEP925	103-287
D15	1N60	EA16X48	1N60	PTC206	HEPR9135	REN 109	SK3088	RT-263	ECG109	TM109/**	WEP134	103-29001
D16	1N60	EA16X48	1N60	PTC206	HEPR9135	REN 109	SK3088	RT-263	ECG109	TM109/**	WEP134	103-29001
D17	1N60	EA16X48	1N60	PTC206	HEPR9135	REN 109	SK3088	RT-263	ECG109	TM109/**	WEP134	103-29001
D18	MA150	EA16X146	GE-514	PTC214	HEPRO602	REN 177	SK3100	RT-218	ECG519	TM519	WEP925	103-287
D19	MA150	EA16X146	GE-514	PTC214	HEPRO602	REN 177	SK3100	RT-218	ECG519	TM519	WEP925	103-287
D20	MA150	EA16X146	GE-514	PTC214	HEPRO602	REN 177	SK3100	RT-218	ECG519	TM519	WEP925	103-287
D21	MA150	EA16X146	GE-514	PTC214	HEPRO602	REN 177	SK3100	RT-218	ECG519	TM519	WEP925	103-287
D22	MA150	EA16X146	GE-514	PTC214	HEPRO602	REN 177	SK3100	RT-218	ECG519	TM519	WEP925	103-287
D23	GP258	EA16X149	GE-504A	PTC201	HEPRO052	REN 116	SK3311	RT-213	ECG116	TM116	WEP156	212-76-02
D24	GP258	EA16X149	GE-504A	PTC201	HEPRO052	REN 116	SK3311	RT-213	ECG116	TM116	WEP156	212-76-02
D25	MA150	EA16X146	GE-514	PTC214	HEPRO602	REN 177	SK3100	RT-218	ECG519	TM519	WEP925	103-287
D26	MA150	EA16X146	GE-514	PTC214	HEPRO602	REN 177	SK3100	RT-218	ECG519	TM519	WEP925	103-287
D29	MA150	EA16X146	GE-514	PTC214	HEPRO602	REN 177	SK3100	RT-218	ECG519	TM519	WEP925	103-287
D30	MA150	EA16X146	GE-514	PTC214	HEPRO602	REN 177	SK3100	RT-218	ECG519	TM519	WEP925	103-287
D201	MA150	EA16X146	GE-514	PTC214	HEPRO602	REN 177	SK3100	RT-218	ECG519	TM519	WEP925	103-287
D202	MZ205	EA16X136	GEZD-5.0			REN 135			ECG135A	TM135	WEP1103	103-29006
D203	ITT310	EA16X177	GE-90		HEPR2503	REN 614	SK3100	RT-262	ECG614	TM614	WEP200	
D204	MA150	EA16X146	GE-514	PTC214	HEPRO602	REN 177	SK3100	RT-218	ECG519	TM519	WEP925	103-287
D205	MA150	EA16X146	GE-514	PTC214	HEPRO602	REN 177	SK3100	RT-218	ECG519	TM519	WEP925	103-287
D207	MA150	EA16X146	GE-514	PTC214	HEPRO602	REN 177	SK3100	RT-218	ECG519	TM519	WEP925	103-287
D208	MA150	EA16X146	GE-514	PTC214	HEPRO602	REN 177	SK3100	RT-218	ECG519	TM519	WEP925	103-287
D209	MA150	EA16X146	GE-514	PTC214	HEPRO602	REN 177	SK3100	RT-218	ECG519	TM519	WEP925	103-287
D210	MA150	EA16X146	GE-514	PTC214	HEPRO602	REN 177	SK3100	RT-218	ECG519	TM519	WEP925	103-287
D211	MA150	EA16X146	GE-514	PTC214	HEPRO602	REN 177	SK3100	RT-218	ECG519	TM519	WEP925	103-287
D212	MA150	EA16X146	GE-514	PTC214	HEPRO602	REN 177	SK3100	RT-218	ECG519	TM519	WEP925	103-287
D213	MA150	EA16X146	GE-514	PTC214	HEPRO602	REN 177	SK3100	RT-218	ECG519	TM519	WEP925	103-287
D214	1N60	EA16X48	1N60	PTC206	HEPR9135	REN 109	SK3088	RT-263	ECG109	TM109/**	WEP134	103-29001
D215	1N60	EA16X48	1N60	PTC206	HEPR9135	REN 109	SK3088	RT-263	ECG109	TM109/**	WEP134	103-29001
D216	1N60	EA16X48	1N60	PTC206	HEPR9135	REN 109	SK3088	RT-263	ECG109	TM109/**	WEP134	103-29001
D217	1N60	EA16X48	1N60	PTC206	HEPR9135	REN 109	SK3088	RT-263	ECG109	TM109/**	WEP134	103-29001
D218	MA150	EA16X146	GE-514	PTC214	HEPRO602	REN 177	SK3100	RT-218	ECG519	TM519	WEP925	103-287
D219	RD9.1E	EA16X137	GEZD-9.1	ZB9.1B		REN 139	SK3060	RT-240	ECG139A	TM139/**	WEP1109	103-272
D220	MA150	EA16X146	GE-514	PTC214	HEPRO602	REN 177	SK3100	RT-218	ECG519	TM519	WEP925	103-287
D221	MA150	EA16X146	GE-514	PTC214	HEPRO602	REN 177	SK3100	RT-218	ECG519	TM519	WEP925	103-287
D222	MA150	EA16X146	GE-514	PTC214	HEPRO602	REN 177	SK3100	RT-218	ECG519	TM519	WEP925	103-287
D223	MA150	EA16X146	GE-514	PTC214	HEPRO602	REN 177	SK3100	RT-218	ECG519	TM519	WEP925	103-287
D224	MA150	EA16X146	GE-514	PTC214	HEPRO602	REN 177	SK3100	RT-218	ECG519	TM519	WEP925	103-287
D225	MA150	EA16X146	GE-514	PTC214	HEPRO602	REN 177	SK3100	RT-218	ECG519	TM519	WEP925	103-287
D226	MA150	EA16X146	GE-514	PTC214	HEPRO602	REN 177	SK3100	RT-218	ECG519	TM519	WEP925	103-287
D227	1N60	EA16X48	1N60	PTC206	HEPR9135	REN 109	SK3088	RT-263	ECG109	TM109/**	WEP134	103-29001
D229	1N60	EA16X48	1N60	PTC206	HEPR9135	REN 109	SK3088	RT-263	ECG109	TM109/**	WEP134	103-29001
IC1	AN612	EA33X8508							ECG1249			
IC2	TA7205P	EA33X8396	GEIC-179	PTC780		REN 1155	SK3231	TVCM-81	ECG1155	TM1155	WEP949	
IC201	C3001A					REN 1192	SK3445		ECG1192			
	C3001					REN 1192	SK3445		ECG1192			
	MC3001AT	EA33X3894				REN 1192	SK3445		ECG1192			
IC202	C3001-0					REN 1192	SK3445		ECG1192			
	C3001					REN 1192	SK3445		ECG1192			
	MC3001AN	EA33X8509				REN 1192	SK3445		ECG1192			
IC203	PLL-02A	EA33X8388				REN 1167	SK3732		ECG1167	TM1167	WEP2007	
	PLL02					REN 1167	SK3732		ECG1167	TM1167	WEP2007	
Q1	2SC711F	EA15X354	GE-62*	PTC121	HEPS0024*	REN 199*	SK3124*	RT-302*	ECG199*	TM199/**	WEP66*	121-972
	2SC711		GE-62*	PTC121	HEPS0024*	REN 199*	SK3124*	RT-302*	ECG199*	TM199/**	WEP66*	121-972
Q2	2SC710D	EA15X364	GE-211*	PTC132	HEPS0016*	REN 123A*	SK3444	RT-308*	ECG123A*	TM123A/**	WEP710	121-29000A
	2SC710		GE-211*	PTC132	HEPS0016*	REN 123A*</						

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.	MALLORY PART No.	MOTOROLA PART No.	RAYTHEON PART No.	RCA PART No.	SPRAGUE PART No.	SYLVANIA PART No.	THORDARSON PART No.	WORKMAN PART No.	ZENITH PART No.
Q4	25C711E 25C711	EA15X364	GE-62* GE-62*	PTC121 PTC121	HEPS0024* HEPS0024*	REN 199* REN 199*	SK3124* SK3124*	RT-302* RT-302*	ECG199* ECG199*	TM199**/ TM199**/		

PARTS LIST AND DESCRIPTION (CONTINUED)

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

ELECTROLYTIC CAPACITORS

ITEM No.		RATING	REPLACEMENT DATA				
			MFRG. PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.	
						Q-LINE	GENERAL LINE
CLOCK BOARD							
C2	220 25V	EA3180	PC250-25	VTT220K25	QV1-119	EV-1340	
MAIN BOARD							
C16	3.3 25V	EA31X126		TDC335M035FL		SD35-3R39	
C30	10 16V	EA31X246		TDC106M025FL	QDT1-64	SD25-109	
C38	3.3 25V	EA2552	PC5-50	VTT3R3A50	QV1-23	EV-1318	
C39	4.7 25V	EA31X211	PC5-50	VTT4R7B50	QV1-27	EV-1319	
C48A	1 50V		PC1-50	VTT1A50	QV1-11	EV-1615	
C50	3.3 25V	EA2552	PC5-50	VTT3R3A50	QV1-23	EV-1318	
C51	10 16V	EA31X246	PC10-25	VTT10B25	QV1-41	EV-1222	
C52	47 16V	EA31X214	PC50-16	VTT47D16	QV1-73	EV-1226	
C56	1 50V	EA31X204	PC1-50	VTT1A50	QV1-11	EV-1615	
C59	3.3 35V	EA31X239		TDC335M035FL		SD35-3R39	
C60	33 16V	RT2315	PC30-25	VTT33D25	QV1-63	EV-1325	
C63	47 16V	EA31X214	PC50-16	VTT47D16	QV1-73	EV-1226	
C66	470 16V	RT4637	PC500-16	VTT470K16	QV1-151	EV-1250	
C67	1000 16V	EA31X200	PC1000-16	VTT1000L16	QV1-183	EV-1260	
C68	10 16V	EA31X246	PC10-25	VTT10B25	QV1-41	EV-1222	
C69	220 16V	RT5047	PC250-25	VTT220H16	QV1-117	EV-1240	
C70	220 16V	RT5047	PC250-25	VTT220H16	QV1-117	EV-1240	
C71	3.3 25V	EA2552	PC5-50	VTT3R3A50	QV1-23	EV-1318	
C72	3.3 25V	EA2552	PC5-50	VTT3R3A50	QV1-23	EV-1318	
C73	33 10V		PC30-25	VTT33B10	QV1-61	EV-1125	
C75	2.2 50V		PC2-100	VTT2R2A50	QV1-19	EV-1517	
C76	4.7 25V		PC5-50	VTT4R7B50	QV1-27	EV-1319	
C83	3.3 25V	EA31X211	PC5-50	VTT3R3A50	QV1-23	EV-1318	
C85	47 16V	EA31X214	PC50-16	VTT47D16	QV1-73	EV-1226	
C96	3.9 25V	EA31X261		TIM395025POX		SD35-3R99	
C103	4.7 25V	EA31X211	PC5-50	VTT4R7B50	QV1-27	EV-1319	
C110	3.3 25V	EA2552	PC5-50	VTT3R3A50	QV1-23	EV-1318	
C113	3.3 25V	EA2552	PC5-50	VTT3R3A50	QV1-23	EV-1318	
C201	10 16V	EA31X246		TDC106M025FL	QDT1-64	SD25-109	
C202	1 35V	EA31X204		TDC105M035EL		SD35-19	
C219	100 10V	RS6480	PC100-10	VTT100E10	QV1-93	EV-1130	
C233	47 25V	RT4632	PC50-25	VTT47E25	QV1-75	EV-1326	
C261	3.3 25V	EA2552	PC5-50	VTT3R3A50	QV1-23	EV-1318	
C277	3.3 25V	EA2552	PC5-50	VTT3R3A50	QV1-23	EV-1318	
C282	1 50V	EA31X204	PC1-50	VTT1A50	QV1-11	EV-1615	
C284	10 16V		PC10-25	VTT10B25	QV1-41	EV-1222	
C286	1 50V	EA31X204	PC1-50	VTT1A50	QV1-11	EV-1615	
C297	1000 16V	EA31X200	PC1000-16	VTT1000L16	QV1-183	EV-1260	
C299	1 50V	EA31X204	PC1-50	VTT1A50	QV1-11	EV-1615	
C303	33 10V		PC30-25	VTT33B10	QV1-61	EV-1125	
C305	1						
C307	.1 25V			TDC104M050EL	QDT1-2	SD50-R109	
C399	1 50V	EA31X204	PC1-50	VTT1A50	QV1-11	EV-1615	
C598	3.3 25V	EA2552	PC5-50	VTT3R3A50	QV1-23	EV-1318	
C599	3.3 25V	EA2552	PC5-50	VTT3R3A50	QV1-23	EV-1318	
POWER SUPPLY BOARD							
C1	4700 25V	EA31X268	AA0140A	FP060.6A		TVLU-1093	
C2	220 25V	EA31X210	PC250-25	VTT220K25	QV1-119	EV-1340	
SPEECH COMPRESSION BOARD							
C1	100 16V	EA31X235	PC100-16	VTT100F16	QV1-95	EV-1230	
C2	.1 35V	EA31X247		TDC104M050EL	QDT1-2	SD50-R109	
C3	.1 35V	EA31X247		TDC104M050EL	QDT1-2	SD50-R109	
C4	1 25V	RT5443		TDC105M035EL		SD35-19	
C5	10 25V	EA31X221		TDC106M025FL	QDT1-64	SD25-109	
C6	10 25V	EA31X221		TDC106M025FL	QDT1-64	SD25-109	
C7	.33 35V	EA31X208		TDC334M050EL	QDT1-14	SD50-R339	

GENERAL ELECTRIC MODEL 3-5875A

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.	
						Q-LINE	GENERAL LINE
C10	10 N150 50V 10%	EA18X152			*		10TCP-Q10
C11	100 50V 10%		DD-101	GP100	GP310		10TS-T10
C12	5 N150 50V 10%	EA2525			*		10TCP-V50
C13	.01 50V		UK50-103		MAG5011		
C14	.022 50V 10%			DPMS2S22	M192P2239R8	QFT2-127	1FT-S22
C15	15 N150 50V	EA18X200			*		10TCP-Q15
C17	.01 50V		UK50-103		MAG5011		
C18	.047 50V 10%			DPMS2S47	EWFA1A147	QFT2-171	1FT-S47
C19	.01 50V		UK50-103		MAG5011		
C20	270 50V 10%		DD-271	GP270	GP327		10TS-T27
C21	.01 50V		UK50-103		MAG5011		
C22	.047 50V		UK50-503		MAG5015		
C23	15 N150 50V	EA18X200			*		10TCP-Q15
C24	10 N150 50V	EA18X152			*		10TCP-Q10
C25	.047 50V		UK50-503		MAG5015		
C26	.01 50V		UK50-103		MAG5011		
C27	100 N150 50V 10%	EA18X186			*		10TCP-T10
C28	100 N150 50V 10%	EA18X186			*		10TCP-T10
C29	.022 50V 10%			DPMS2S22	M192P2239R8	QFT2-127	1FT-S22
C31	1033 50V 10%			DPMS6S33	M192P3339R8	QFT2-149	1FT-S33
C32	100 N150 50V 10%	EA18X186			*		10TCP-T10
C33	.01 50V		UK50-103		MAG5011		
C35	.01 50V		UK50-103		MAG5011		
C36	.0068 50V 10%			WMF1D68	EWFA1A268	QFT2-73	1FT-D68
C40	.0047 50V 10%			WMF1D47	M192P4729R8	QFT2-63	1FT-D47
C42	.033 50V 10%			DPMS6S33	M192P3339R8	QFT2-149	1FT-S33
C43	10 N150 50V	EA18X152			*		10TCP-Q10
C44	5 N150 50V	EA2525			*		10TCP-V50
C45	39 N150 50V	EA18X141			*		10TCP-Q37
C47	.047 50V 10%				*		1FT-S47
C48	.0022 50V 10%			DPMS2S47	EWFA1A147	QFT2-171	1FT-D22
C49	.0022 50V 10%			DPMS6D22	M192P2229R8	QFT2-27	1FT-D22
C53	.033 50V 10%			DPMS6D22	M192P2229R8	QFT2-27	1FT-D22
C54	270 50V 10%		DD-271	DPMS6S33	M192P3339R8	QFT2-149	1FT-S33
C55	.0047 50V		DD-472	GP270	GP327		10TS-T27
C57	.01 50V 10%			GP4700	GP247		5GA-D47
C58	390 50V 10%		DD-391	WMF1S1	EWFA1A110	QFT2-91	1FT-S10
C61	180 50V 10%		DD-181	GP390	GP339		10TS-T39
C62	.068 50V 10%				GP318		10TS-T18
C64	390 50V 10%		DD-391	WMF1S68	EWFA1A168	QF1-195	1PB-S68
C65	.068 50V 10%			GP390	GP339		10TS-T39
C74	.0022 50V 10%			WMF1S68	EWFA1A168	QF1-195	1PB-S68
C77	.047 50V 10%			DPMS6D22	M192P2229R8	QFT2-27	1FT-D22
C78	.047 50V 10%			DPMS2S47	EWFA1A147	QFT2-171	1FT-S47
C80	.0022 50V 10%			DPMS2S47	EWFA1A147	QFT2-171	1FT-S47
C82	.001 50V 10%			DPMS6D22	M192P2229R8	QFT2-27	1FT-D22
C86	.047 50V		UK50-503	DPMS6D1	EWFA1A210	QFT2-1	1FT-D10
C87	.01 50V		UK50-103		MAG5015		
C88	.0022 50V				MAG5011		
C89	.01 50V		UK50-103		GP222		10TS-D22
C90	.01 50V		UK50-103		MAG5011		
C91	.01 50V		UK50-103		MAG5011		
C92	.01 50V		UK50-103		MAG5011		
C93	.047 50V		UK50-503		MAG5011		
C100	100 N150 50V 10%	EA18X186			MAG5015		
C101	.01 50V		UK50-103		*		10TCP-T10
C102	.0047 50V		DD-472	GP4700	MAG5011		
C104	.01 50V		UK50-103		GP247		5GA-D47
C105	.01 50V		UK50-103		MAG5011		
C106	.047 50V		UK50-503		MAG5011		
C108	.01 50V		UK50-103		MAG5015		
C109	.01 50V		UK50-103		MAG5011		
C112	120 N150 50V 10%	EA18X187			MAG5011		
C199	.01 50V		UK50-103		*		10TCP-T12
C203	.01 50V		UK50-103		MAG5011		
C204	.022 50V		DC-253	MGPO25	MAG5011		
C205	.01 50V		UK50-103		TA125		TG-S25
C206	33 NPO 50V 10%		DTZ-33	NP033	MAG5011		
C207	220 N150 50V 10%	EA18X218			CN0433		10TCC-Q33
C208	150 N150 50V 10%	EA18X217			*		10TCP-T22
C209	.001 50V 10%			DPMS6D1	*		10TCP-T15
C210	22 N150 50V	EA18X155			EWFA1A210	QFT2-1	1FT-D10
C211	.047 50V		UK50-503		*		10TCP-Q22
C212	33 N150 50V 10%	EA31X194			MAG5015		
C213	12 N150 50V	EA18X248			*		10TCP-Q33
C214	.01 50V		UK50-103		*		10TCP-Q12
C215	27 N150 50V	EA18X181			MAG5011		
C216	.001 50V 10%			DPMS6D1	*		10TCP-Q27
C217	220 N150 50V 10%	EA18X218			EWFA1A210	QFT2-1	1FT-D10
C218	.0022 50V				*		10TCP-T22
C220	.01 50V		UK50-103		GP222		10TS-D22
C222	.001 50V		DD-102		MAG5011		
C223	.001 50V		DD-102		GP210		10TS-D10
C224	.0027 50V 10%	EA22X26			GP210		10TS-D10
C225	2 N150 50V	EA18X160			M192P2729R8		192P2729R8
C226	.01 50V		UK50-103		*		10TCP-V22
C227	10 N150 50V	EA18X152			MAG5011		
C228	33 N150 50V 10%	EA31X194			*		10TCP-Q10
C229	15 N150 50V	EA18X200			*		10TCP-Q33
C230	82 N150 50V 10%	EA18X234			*		10TCP-Q15
C231	56 N150 50V 10%	EA18X207			*		10TCP-Q82
C232	.01 50V		UK50-103		*		10TCP-Q56
C234	.01 50V		UK50-103		MAG5011		
C235	3 N150 50V	EA18X174			MAG5011		
C236	.01 50V		UK50-103		*		10TCP-V30
C237	.01 50V		UK50-103		MAG5011		
C238	.01 50V		UK50-103		MAG5011		
C240	.01 50V		UK50-103		MAG5011		
C241	82 N150 50V 10%	EA18X234			*		10TCP-Q82
C242	39 N150 50V 10%	EA18X141			*		10TCP-Q39
C243	.047 50V		UK50-503		MAG5015		

CAPACITORS

ITEM No.	RATING	MFR. PART No.	REPLACEMENT DATA				
			CENTRALAB PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.	
						Q-LINE	GENERAL LINE
ANTENNA BOARD			UK50-503	GP470	MAG5015	QFT2-27	1FT-D22 10TCP-Q39 10TCP-T15 10TCP-Q47
C511	.047 50V						
CHANNEL SELECTOR BOARD							
C1	.01 50V		UK50-103		MAG5011		
CLOCK BOARD			UK50-503 DD-471 UK50-103 UK50-503	GP470	MAG5015 GP347 MAG5011 MAG5015	10TS-T47	
C1	.047 50V						
C3	470 50V 10%						
C4	.01 50V						
C503	.047 50V						
MAIN BOARD			UK50-503	DPMS6D22	M192P2229R8 * * * MAG5015 * * *	QFT2-27	1FT-D22 10TCP-Q39 10TCP-T15 10TCP-Q47 10TCP-Q10 10TCP-Q33 10TCP-Q22 10TCP-Q22
C1	.0022 50V 10%						
C2	39 N150 50V 10%	EA18X217					
C3	150 N150 50V 10%	EA18X246					
C4	47 N150 50V 10%						
C5	.047 50V 10%						
C6	10 N150 50V 10%	EA18X152					
C7	33 N150 50V 10%	EA18X232					
C8	22 N150 50V 10%	EA18X155					
C9	22 N150 50V 10%	EA18X155					

PARTS LIST AND DESCRIPTION (CONTINUED)

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

CAPACITORS (cont)

ITEM No.	RATING	MFR. PART No.	REPLACEMENT DATA				PART No.
			CENTRALAB PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE	
						Q-LINE	GENERAL LINE
C244	47 N150 50V 10%	EA18X246			*		10TCP-Q47
C245	.01 50V		UK50-103		MAG5011		
C246	390 NPO 50V						10TCC-T39
C247	.022 50V		DC-253	MGP025	TA125		TG-S25
C248	82 N150 50V 10%	EA18X234			*		10TCP-Q82
C249	220 NPO 50V		DTZ-220				10TCC-T22
C250	.047 50V		UK50-503		MAG5015		
C251	82 N150 50V 10%	EA18X234			*		10TCP-Q82
C252	270 NPO 50V		DTZ-270				10TCC-T27
C253	560 50V		DD-561		GP356		10TS-T56
C254	470 NPO 50V						
C255	330 NPO 50V						10TCC-T33
C256	.047 50V		UK50-503		MAG5015		
C257	.022 50V		DC-253	MGP025	TA125		TG-S25
C258	.01 50V		UK50-103		MAG5011		
C259	5 N150 50V				*		10TCP-V50
C260	33 N150 50V 10%				*		10TCP-Q33
C262	22 N150 50V 10%	EA18X155			*		10TCP-Q22
C263	.01 50V		UK50-103		MAG5011		
C264	.047 50V		UK50-503		MAG5015		
C265	.01 50V		UK50-103		MAG5011		
C266	.01 50V		UK50-103		MAG5011		
C267	.047 50V		UK50-503		MAG5015		
C268	.01 50V		UK50-103		MAG5011		
C269	.01 50V		UK50-103		MAG5011		
C270	.01 50V		UK50-103		MAG5011		
C271	.01 50V		UK50-103		MAG5011		
C272	18 N150 50V	EA18X202			*		10TCP-Q18
C273	220 N150 50V 10%	EA18X218			*		10TCP-T22
C274	.0047 50V		DD-472	GP4700	GP247		5GA-D47
C275	220 N150 50V 10%	EA18X218			*		10TCP-T22
C276	.01 50V		UK50-103		MAG5011		
C278	82 N150 50V 10%	EA18X234			*		10TCP-Q82
C279	2 N150 50V	EA18X160			*		10TCP-V22
C280	.01 50V		UK50-103		MAG5011		
C281	.01 50V		UK50-103		MAG5011		
C283	.01 50V		UK50-103		MAG5011		
C285	.01 50V		UK50-103		MAG5011		
C287	3 N150 50V	EA18X174			*		10TCP-V30
C288	.047 50V		UK50-503		MAG5015		
C289	.022 50V		DC-253	MGP025	TA125		TG-S25
C290	.022 50V		DC-253	MGP025	TA125		TG-S25
C291	.047 50V		UK50-503		MAG5015		
C292	.047 50V		UK50-503		MAG5015		
C293	22 NPO 50V		DTZ-22	NP022	CN0422		10TCC-Q22
C294	15 NPO 50V		DTZ-15	NP015	CN0415		10TCC-Q15
C295	.01 50V		UK50-103		MAG5011		
C296	.01 50V		UK50-103		MAG5011		
C298	.047 50V		UK50-503		MAG5015		
C300	3 N150 50V	EA18X174			*		10TCP-V30
C301	3 N150 50V	EA18X174			*		10TCP-V30
C302	.022 50V		DC-253	MGP025	TA125		TG-S25
C304	.01 50V		UK50-103		MAG5011		
C308	.047 50V		UK50-503		MAG5015		
C309	.047 50V		UK50-503		MAG5015		
C310	.047 50V		UK50-503		MAG5015		
C311	.047 50V		UK50-503		MAG5015		
C312							
C313	.047 50V		UK50-503		MAG5015		
C314	.047 50V		UK50-503		MAG5015		
C315	.047 50V		UK50-503		MAG5015		
C501	.047 50V		UK50-503		MAG5015		
C502	.047 50V		UK50-503		MAG5015		
CT1	20	EA30X62					
CT2	20	EA30X62					
CT201	20	EA30X62					
CT202	20	EA30X62					
CT203	20	EA30X62					
POWER SUPPLY BOARD							
C3	.022 50V		DC-253	MGP025	TA125		TG-S25
C4	.01 50V		UK50-103		MAG5011		
C5	.047 50V		UK50-503		MAG5015		
C6	.022 50V		DC-253	MGP025	TA125		TG-S25
SPEECH COMPRESSION BOARD							
C8	.01 50V		UK50-103		MAG5011		
C9	.01 50V		UK50-103		MAG5011		
CHASSIS							
C1	.047		UK50-503		MAG5015		
C503	.047 50V		UK50-503		MAG5015		
C504	.01 50V		UK50-103		MAG5011		
C505	.01 50V		UK50-103		MAG5011		
C506	.001 50V		DD-102		GP210		10TS-D10
C507	.047 50V		UK50-503		MAG5015		
C508	.047 50V		UK50-503		MAG5015		
C509	.047 50V		UK50-503		MAG5015		
C510	.001 50V		DD-102		GP210		10TS-D10

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

GENERAL ELECTRIC MODEL 3-5875A

PARTS LIST AND DESCRIPTION (CONTINUED)

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

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

			REPLACEMENT DATA			
ITEM No.	FUNCTION	RESIST-ANCE	MFGR. PART No.	CENTRALAB PART No.	MALLORY PART No.	TRW PART No.
MAIN BOARD						
RV1	Carrier Balance	10K	EA49X363			U260R103B
	Carrier Balance	1000	EA49X434(6)			
RV2	Carrier Balance	10K	EA49X435			U260R103R
RV3	SSB MOD Gain	1000	EA49X360			U260R102R
RV4	SSB S Meter	2000				U260R252R
	SSB S Meter	5000	EA49X359(6)			U260R502B
RV5	AM S Meter	10K	EA49X363			U260R103B
RV6	SSB AGC Range	5000	EA49X359			U260R502R
RV7	AM Squelch Range	20K	EA49X332			U260R253B
RV8	SSB Squelch Range	50K	EA49X438			U260R503B
RV9	AM AMC	1000	EA49X360			U260R102B
RV10	RF Gain Range	100K	EA49X436			U260R104R
RV11	MOD Meter	20K	EA49X332			U260R502B
RV201	SSB RF ALC	5000	EA49X437			U260R502B
RV202	RF Meter	20K	EA49X332			U260R253B
RV203	AWI	50K	EA49X438			U260R503B
RV204	Bias-	1000	EA49X360			U260R102B
	Bias	500	EA49X439(6)			
RV205	SWR Meter	10K	EA49X363			U260R103B
RV206	Bias	100	EA49X458	T-100(2)	MTC12L1(2)	X201R101B(2)
RV207	Bias	5000	EA49X459	T-5000(2)	MTC53L1(2)	X201R502B(2)
VR2	Volume	50K	EA49X456			
VR3	Clarifier	50K	EA49X433			
VR4a	Squelch	50K	EA49X455			
VR4b	Tone	200K				
VR5	Mic Power	5000	EA49X450			
VR6	RF Gain	50K	EA49X449			
VR7	CAL	10K	EA49X448			
VR7a	Dimmer	20K				
VR7b	Dimmer	20K				
VR10	AM Power	10 10W	EA49X366			
POWER SUPPLY BOARD						
RV1	Voltage	500	EA49X362			
SPEECH COMPRESSION BOARD						
RV1	Speech Comp	20K	EA49X457			

(2) Cut off one of the end terminals and bend to fit PC board.
(6) Alternate part, may be used in some versions.

RESISTORS (Power and Special)

RESISTORS (Power and Special)

ITEM No.	RATING	REPLACEMENT DATA		ITEM No.	RATING	REPLACEMENT DATA	
		WORKMAN PART No.	MFGR. PART No.			WORKMAN PART No.	MFGR. PART No.
CHANNEL SELECTOR BOARD				CLOCK BOARD (CONT.)			
R2	Resistor Network		EA42X4(1)	R13	Resistor Network		EA62X191(2)
R3	Resistor Network		EA42X4(1)	R14	Resistor Network		EA62X191(2)
CLOCK BOARD				CHASSIS			
R12	Resistor Network		EA62X191(2)	R501	15K 5W		

COILS (RF-IF)

ITEM No.	FUNCTION	REPLACEMENT DATA			REMARKS
		PART No.	OTHER IDENTIFICATION	MILLER PART No.	
L1	Oscillator (10.695MHz)	EA35X135		9310-34	(1) Part of L207B
L3	RF Choke (150uH)	EA36X377			
L4	RF Choke (150uH)	EA36X377			
L5	RF Choke (150uH)	EA36X377			
L6	RF Choke (150uH)	EA36X377			
L7	B+ Choke	EA36X263			
L8	B+ Choke	EA36X263			
L202	Oscillator (2.2uH)	EA36X237	022F 680W	70F226A1	
L203	B+ Choke (68uH)	EA36X239			
L205	RF Driver (.75uH)	EA36X294			
L206	RF Choke (.75uH)	EA36X293			
L207A	RF Choke (1.95uH)	EA36X290			
L207B	RF PWR (.75uH)	EA36X294			
L208	RF Choke (.75uH)	EA36X293			
L209	Matching (.15uH)	EA36X292			
L210	B+ Choke (.75uH)	EA36X293			
L212	Bandpass	EA36X422			
L213	Pi Filter (.11uH)	EA36X297			
L214	Pi Filter (.113uH)	EA36X378			
L215	B+ Choke	EA36X239	680W		
T1	IF (455kHz)	EA36X288			
T2	SSB AM IF (455kHz)	EA36X379			
T3	SSB IF (10.695MHz)	EA36X286			
T4	IF 10.694MHz	EA36X286			
T201	Oscillator (20MHz)	EA36X281			
T202	Bandpass (37MHz)	EA36X258			
T203	Bandpass (37MHz)	EA36X280			
T204	RF Amp (27MHz)	EA36X282			
T205	RF Amp (27MHz)	EA36X283			
T206	Antenna Matching	EA36X249			
T207	Mixer (10.695MHz)	EA36X380			
T208	Mixer (10.695MHz)	EA36X380			

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.	
T209	RF Preamp (.56uH)	EA36X284			

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	2.8A	.241	3.72mH	EA36X256 LJ119H004W(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.	
T5	8	32	EA64X37 TBH28B001W (1)			(1) Number on unit.

TRANSFORMER (Power)

ITEM No.	RATING		REPLACEMENT DATA			NOTES
	PRI.	SEC. 1	MFGR. PART No.	THORDARSON PART No.	TRIAD PART No.	
T501	120V AC @ 700mA AC	15.40V AC @ 5.04A AC	EA88X169 TP-V76V001Y(1)			(1) Number on unit.
	SEC. 2	SEC. 3				
	13.50V AC @ 132mA AC					

SPEAKER

ITEM No.	TYPE	REPLACEMENT DATA		NOTES
		MFGR. PART No.	QUAM PART No.	
SP	2 1/4" X 3 1/2" PM 8 Ohms	EA95X133		

FUSE DEVICES

ITEM No.	DESCRIPTION	REPLACEMENT DATA							
		PART No.		BUSS PART No.		LITTELFUSE PART No.		WORKMAN PART No.	
		DEVICE	HOLDER	DEVICE	HOLDER	DEVICE	HOLDER	DEVICE	
F1 F2 F3	3 250V Quick Acting .5 250V Quick Acting .5 250V Quick Acting	EA10X129		GJV3 GJV1/2 GJV1/2		315003 315.500 315.500		F63-2	

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	5-1728	18-032	18-034	18-010	18-092	1	2	4	3	NC	2

PARTS LIST AND DESCRIPTION (CONTINUED)

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

MISCELLANEOUS

ITEM No.	PART NAME	PART No.	NOTES
ANTENNA BOARD			
ZR1	Relay	EA62X193	Antenna
CHANNEL SELECTOR BOARD			
LED1	LED	EA16X216	TENS 1.57V @ 5.7mA
LED2	LED	EA16X216	UNITS 1.57V @ 5.7mA
CLOCK BOARD			
LED1	LED	EA16X309	Clock (1.86V @ 4mA)
RY1	Relay	EA62X192	
S10	Switch	EA39X288	Fast Time
S11	Switch	EA39X288	Slow Time
LED BOARD			
D1	LED	EA16X146	LSB (1.57V @ 7mA)
D2	LED	EA16X146	AM (1.57V @ 7mA)
D3	LED	EA16X146	USB (1.57V @ 7mA)
MAIN BOARD			
CF	Ceramic Filter	EA36X418	455kHz
F201	Ferrite Bead	EA2X941	
F202	Ferrite Bead	EA2X941	
F203	Ferrite Bead	EA2X941	
L20	Ferrite Bead	EA2X941	
L216	Ferrite Bead	EA2X941	
MFY-1	Filter	EA36X333	10.695MHz
MFY-2	Filter	EA36X333	10.695MHz
X1	Crystal		10.695MHz
X201	Crystal		10.240MHz
X202	Crystal		10.0525MHz
CHASSIS			
	Connector	5-1728	Microphone Standard (4 Pin)
	Connector	EA65X26	Flex (3 Conductor) WIRE
	Connector	EA65X25	Flex (13 Conductor) WIRE
	Connector	EA65X27	Flex (15 Conductor) WIRE
	Cord	EA66X45	AC PWR
	Cord	5-1231	Cigarette Lighter (2 Pin)
	Cord	5-1722	DC (2 Pin)
J1	Jack	EA41X208	Antenna A
J2	Jack	EA41X208	Antenna B
J3	Jack	EA41X135	PA
J4	Jack	EA41X135	External Speaker
J5	Jack	EA41X136	Power DC
J6	Jack	EA41X159	Power AC
J7	Jack	EA41X175	Microphone
	Jack	EA8X206	Assembly (12 Pin)
	Jack	EA8X205	Assembly (9 Pin)
M1	Meter	EA62X190	S/R/F
M2	Meter	EA62X189	SWR/MOD
PL1	Lamp	EA41X206	Meter (13.70V @ 65mA)
PL2	Lamp	EA41X206	Modulation Meter (13.70V @ 65mA)
PL3	Lamp	EA41X207	AWI (8.15V @ 30mA)
PL4	Lamp	EA41X207	XMT (9.40V @ 32mA)
S1	Switch	EA55X148	LSB/USB
S2	Switch	EA55X148	Clock Set
S3	Switch	EA39X226	Off/NB ANL
S4	Switch	EA39X226	ANL/Off
S5	Switch	EA39X226	Speech Compressor
S6	Switch	EA39X226	Antenna B/A
S7	Switch	EA39X286	CB/PA
S8	Switch	EA39X286	Modulation SWR
S9	Switch	EA39X287	On/Off Main
S501	Switch		AC/DC (Activated by insertion of cord)
SW1	Switch	EA55X148	Channel Selector
	Printed Circuit Board	EA93X362	Antenna SW
	Printed Circuit Board	EA93X356	Channel LED
	Printed Circuit Board	EA93X357	Channel Switch
	Printed Circuit Board	EA93X358	Modulation LED
	Printed Circuit Board	EA93X361	PWR Board w/Components
	Printed Circuit Board	EA93X360	Speech Compressor
	Printed Circuit Board	EA93X359	Timer, Fast/Slow

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

ITEM	PART No.	ITEM	PART No.
Bottom Cover	EA98X616	Knob Squelch Volume	EA43X854
Cabinet Top	EA98X615	Knob Volume	EA43X853
Escutcheon Assembly	EA89X268	Knob, Fine Tune/Clar/CAL/SQ	EA43X852
Feet	EA78X68	Pushbutton On/Off Display	EA43X856
Knob Channel Select	EA43X851	Pushbutton Time Set	EA43X857
Knob Funct/Vol	EA43X855		

WIRING DATA

General-use Hook-up Wire (available in 5 colors)	BELDEN No. 8523	Coiled Microphone Cable	
Shielded Hook-up Wire (spiral wrapped)	BELDEN No. 8421	3-conductor (1 shielded) 23AWG	BELDEN No. 9471 (5')
(braided)	BELDEN No. 8401		BELDEN No. 8497 (6')
Speaker Cable (available in 4 colors)	BELDEN No. 8782		BELDEN No. 9472 (7-1/2')
Bonding Strap	BELDEN No. 8672		28AWG BELDEN No. 9466 (6')
AC Power Cord	(6') BELDEN No. 17106		31AWG BELDEN No. 9468 (10')
	(9') BELDEN No. 17109	4-conductor (unshielded) 23AWG	BELDEN No. 8415 (6')
		5-conductor (1 shielded) 28AWG	BELDEN No. 9467 (6')
			BELDEN No. 9465 (7-1/2')