

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 TIGER 40A

MANUFACTURER'S SPECIFICATIONS

Circuitry	2 ICs, 26 Transistors, 14 Diodes, 2 Zener Diodes
Frequency Control	PLL (Phase Lock Loop) Synthesizing System
Channels	40 channels all installed
Mode of Operation.....	AM
Receiver System	Dual Conversion Superheterodyne
Sensitivity	Nominal 0.7 μ V (S/N 10 dB)
Selectivity	1st : 10.695 MHz 2nd: 455 KHz
Frequency Tolerance	± 0.005 %
Spurious Rejection	More than 50 dB
RF Output Power	Maximum 4.0 W (F.C.C. Maximum)
Squelch Range	0.5 μ V – 500 μ V
Receiv-O-Slide	About ± 1 KHz (Receiving only)
Audio Output Power	More than 3 W (EXT. SP at 8 ohms)

Courtesy of the Manufacturer

PEARCE-SIMPSON MODEL TIGER 40A

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. 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:
 L103,L104,T101 thru T105,T111.....9440
 L112,T106 thru T109.....5000,5009,8276,8228,8728A
 L106,L109,L110.....9300,9302,9304
 CT101.....5000,8276

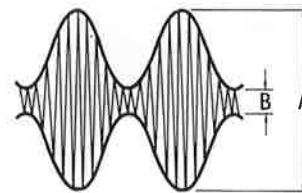


FIGURE 1

SYNTHESIZER ALIGNMENT

TEST EQUIPMENT	TRANSCIVER	ADJUST	REMARKS
Input of frequency counter to TP1 (IC101 Pin 3).	Ch. 19		Check for 10.2392MHz <u>+130Hz.</u>
Input of DC meter to TP8.	Ch. 1	T101	Adjust for 1.50 volts <u>+.1 volts.</u>
Input of oscilloscope to TP2 (T111 Secondary).	Ch. 19	T111	Adjust for maximum RF Output.
Input of frequency counter to TP2 (T111 Secondary).	Ch. 1	CT101	Adjust for 37.6592MHz <u>+380Hz.</u> Check all channels. (See Truth Chart for correct frequencies.)
Input of frequency counter to TP3 (IC101 Pin 2).	Ch. 1		Check for 2.2398MHz. Check all channels. (See Truth Chart for correct frequencies.)
Input of frequency counter to TP4 (Q109 Emitter).	Ch. 19, XMT		Check for 10.6942MHz <u>+120Hz.</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. Recv-o-slide 0, RF Gain Maximum, Squelch MINIMUM, NB Off, ANL Off.

TEST EQUIPMENT	TRANSCIVER	ADJUST	REMARKS
Output of signal generator thru .01uF to TP5 (Q116 Emitter). 455kHz,1000Hz @ 30% Modulation.	Ch. 19	T109,T108, T107	Adjust for maximum output.
Output of signal generator thru .01uF to antenna input. 27.185MHz,1000Hz @ 30% modulation.	Ch. 19	T106,L112, T105,T104	Adjust for maximum output. If necessary readjust T107, T108 and T109 for maximum.

RECEIVER ADJUSTMENTS

Connect an AC VTVM or AF wattmeter across speaker voice coil.
Adjust volume control to obtain a suitable indication.
Recv-o-slide 0, RF Gain Maximum, Squelch MINIMUM, NB Off, ANL Off

TEST EQUIPMENT	TRANSCEIVER	ADJUST	REMARKS
Output of signal generator thru .01uF to antenna input. 27.185MHz, 1000Hz @ 30% modulation. Output 300uV.	Ch. 19	RV101	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	RV103	S METER Adjust for 9 on 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.

TEST EQUIPMENT	TRANSCEIVER	ADJUST	REMARKS
Input of RF wattmeter and 50-ohm, 25-watt dummy load to antenna input.	Ch. 19	L103, L104, T102, T103, L106, L109, L110	Adjust for maximum RF output.
Input of RF wattmeter and 50-ohm, 25-watt dummy load to antenna input.	Ch. 19	L106, L110	Readjust for 4.0 watts RF output maximum.

PEARCE-SIMPSON MODEL TIGER 40A

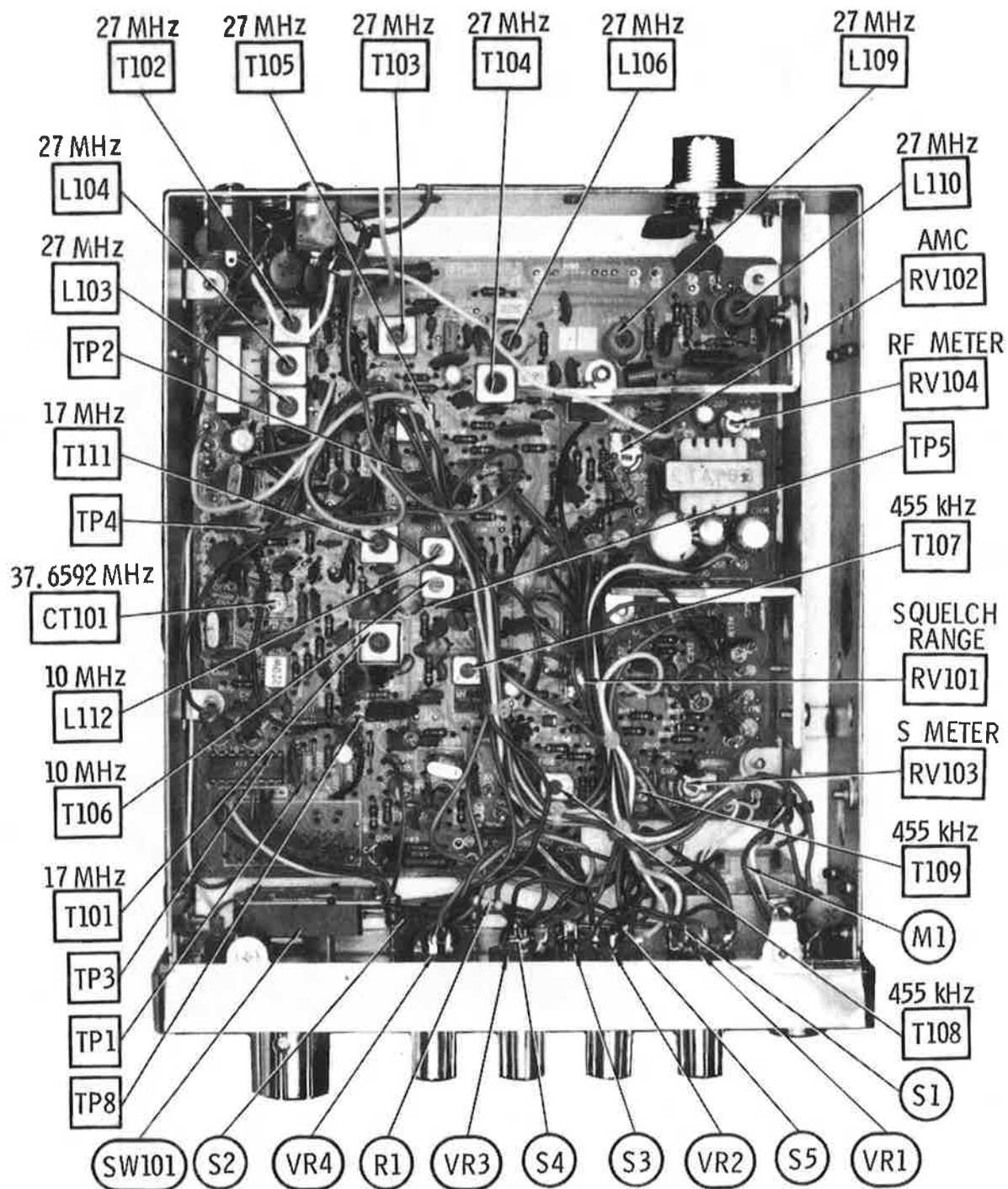
TRANSMITTER ADJUSTMENTS

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 oscilloscope or modulation meter to antenna input. Inject a 1000Hz, 20mV signal at MIC input.	Ch. 19	RV102	AMC Adjust for 90% modulation maximum. See Figure 1.
Input of RF wattmeter and 50-ohm, 25-watt dummy load to antenna input.	Ch. 19	RV104	RF METER Adjust so that RF meter agrees with RF wattmeter.

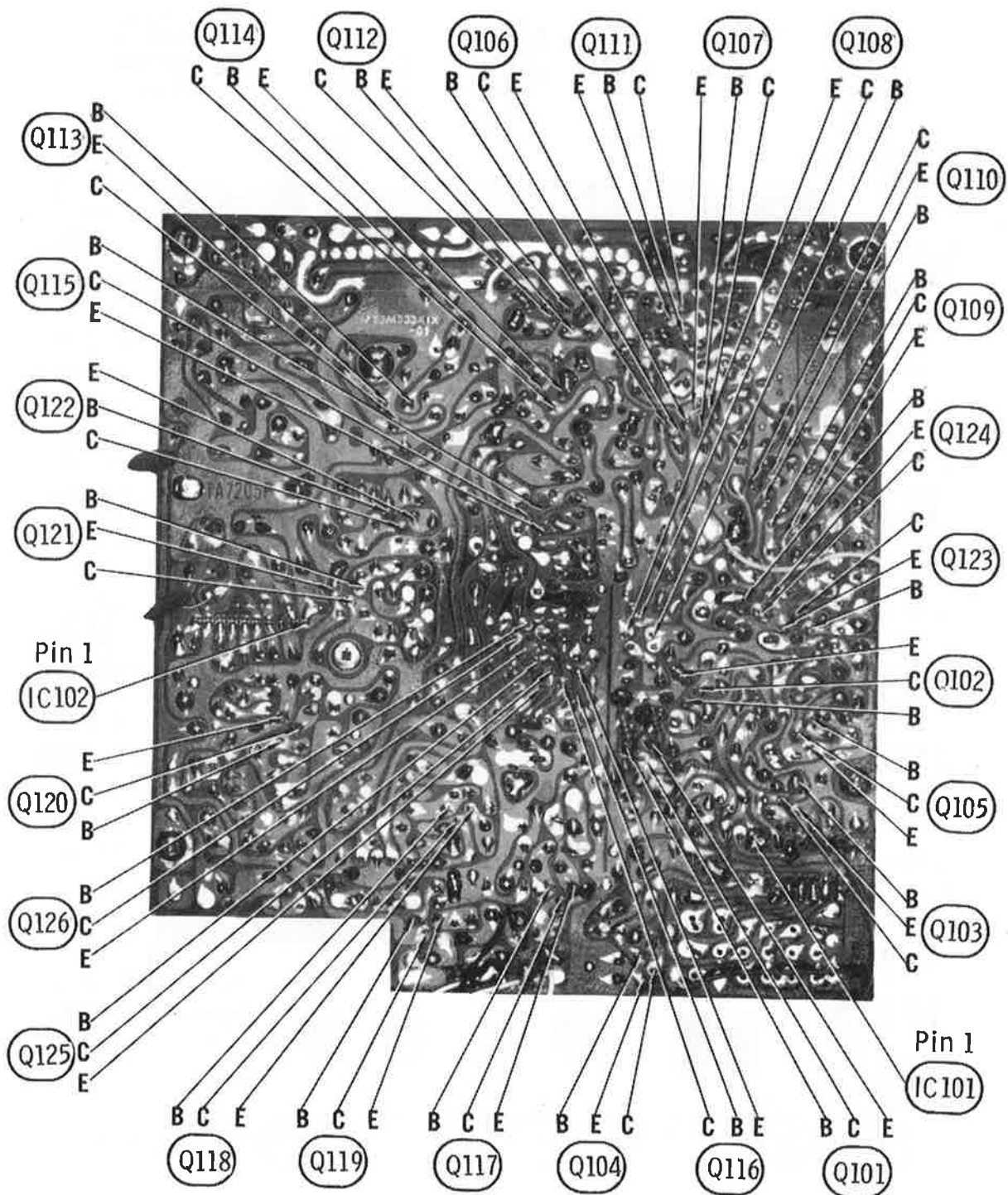
TRUTH CHART

C H A N N E L	1 = 5.30 Volts 0 = 0 Volts IC101 PROGRAM DIVIDER								DIVIDER INPUT IN MHz AT TP	Rec AND XMT SYNTH OUTPUT IN MHz AT TP2	
	PINS										
	8	9	10	11	12	13	14	15			
1	1	1	1	0	0	0	0	0	2.2398	37.6592	
2	1	1	1	0	0	0	0	1	2.2498	37.6692	
3	1	1	1	0	0	0	1	0	2.2598	37.6792	
4	1	1	1	0	0	1	0	0	2.2798	37.6992	
5	1	1	1	0	0	1	0	1	2.2898	37.7092	
6	1	1	1	0	0	1	1	0	2.2998	37.7192	
7	1	1	1	0	0	1	1	1	2.3098	37.7292	
8	1	1	1	0	1	0	0	1	2.3298	37.7492	
9	1	1	1	0	1	0	1	0	2.3398	37.7592	
10	1	1	1	0	1	0	1	1	2.3498	37.7692	
11	1	1	1	0	1	1	0	0	2.3598	37.7792	
12	1	1	1	0	1	1	1	0	2.3798	37.7992	
13	1	1	1	0	1	1	1	1	2.3898	37.8092	
14	1	1	1	1	0	0	0	0	2.3998	37.8192	
15	1	1	1	1	0	0	0	1	2.4098	37.8292	
16	1	1	1	1	0	0	1	1	2.4298	37.8492	
17	1	1	1	1	0	1	0	0	2.4398	37.8592	
18	1	1	1	1	0	1	0	1	2.4498	37.8692	
19	1	1	1	1	0	1	1	0	2.4598	37.8792	
20	1	1	1	1	1	0	0	0	2.4798	37.8992	
21	1	1	1	1	1	0	0	1	2.4898	37.9092	
22	1	1	1	1	1	0	1	0	2.4998	37.9192	
23	1	1	1	1	1	1	0	1	2.5298	37.9492	
24	1	1	1	1	1	0	1	1	2.5098	37.9292	
25	1	1	1	1	1	1	0	0	2.5198	37.9392	
26	1	1	1	1	1	1	1	0	2.5398	37.9592	
27	1	1	1	1	1	1	1	1	2.5498	37.9692	
28	1	0	0	0	0	0	0	0	2.5598	37.9792	
29	0	0	0	0	0	0	0	1	2.5698	37.9892	
30	0	0	0	0	0	0	1	0	2.5798	37.9992	
31	0	0	0	0	0	0	1	1	2.5898	38.0092	
32	0	0	0	0	0	1	0	0	2.5998	38.0192	
33	0	0	0	0	0	1	0	1	2.6098	38.0292	
34	0	0	0	0	0	1	1	0	2.6198	38.0392	
35	0	0	0	0	0	1	1	1	2.6298	38.0492	
36	0	0	0	0	1	0	0	0	2.6398	38.0592	
37	0	0	0	0	1	0	0	1	2.6498	38.0692	
38	0	0	0	0	1	0	1	0	2.6598	38.0792	
39	0	0	0	0	1	0	1	1	2.6698	38.0892	
40	0	0	0	0	1	1	0	0	2.6798	38.0992	

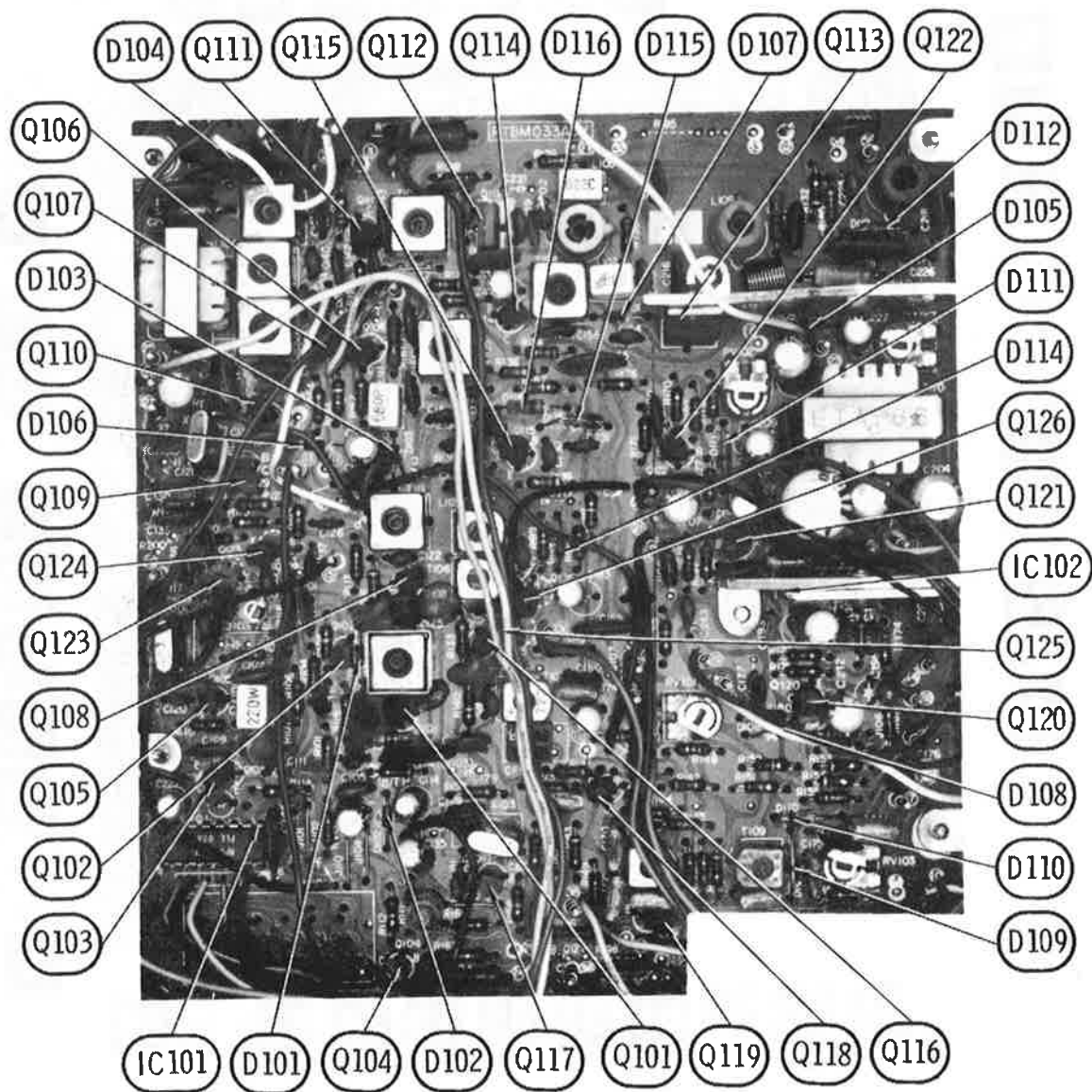


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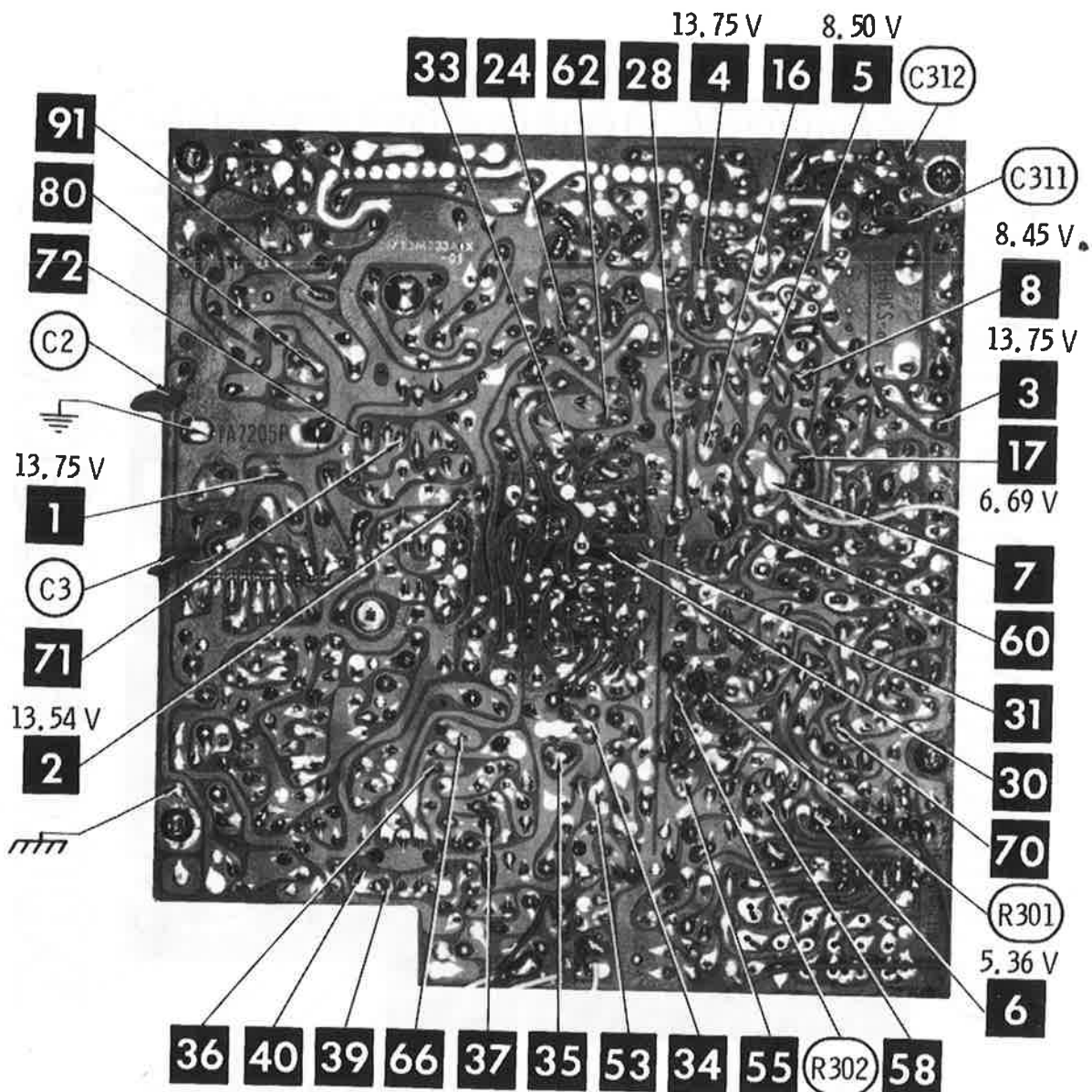
CHASSIS - BOTTOM



MAIN BOARD

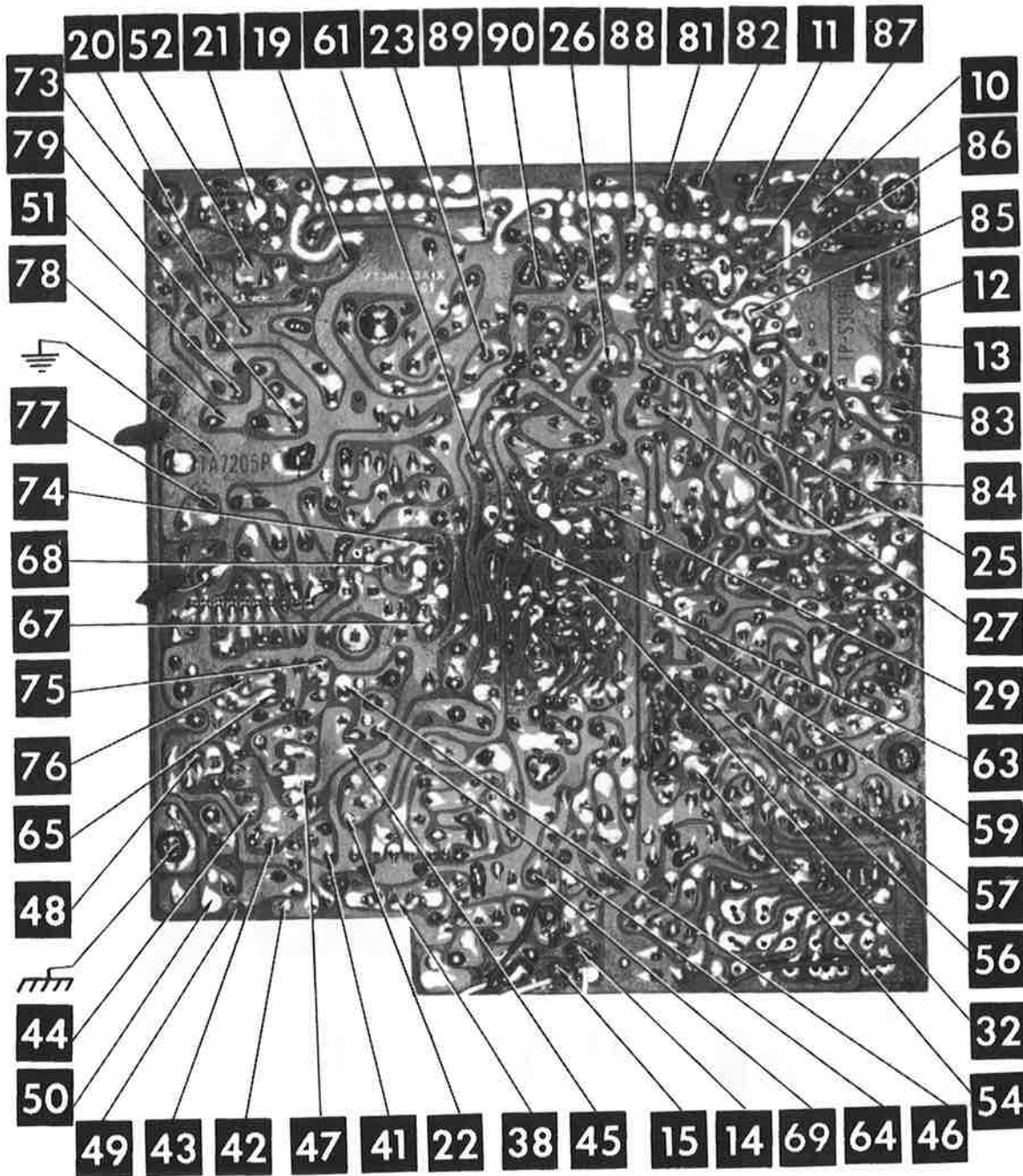


MAIN BOARD



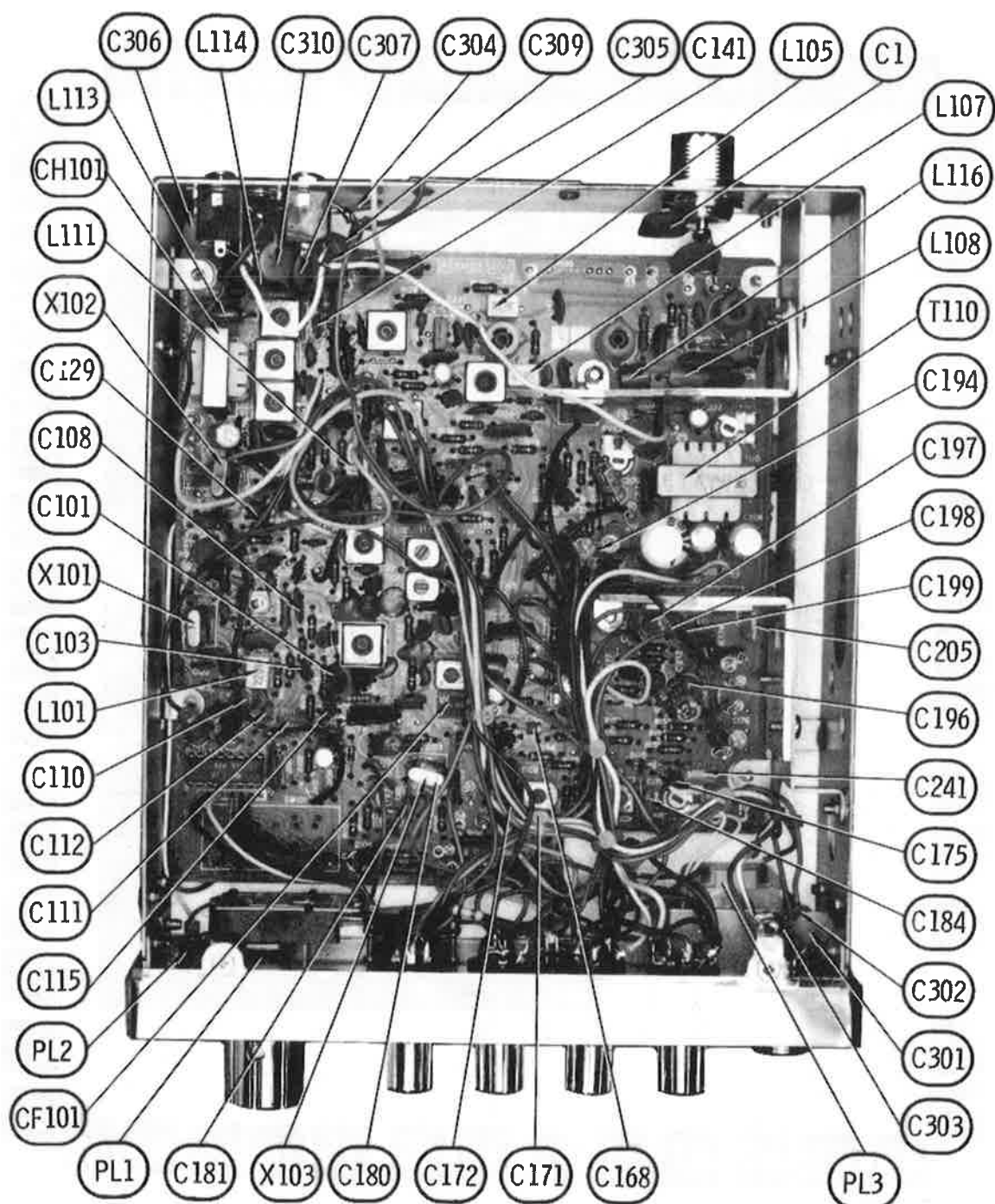
● Measured in XMT

MAIN BOARD

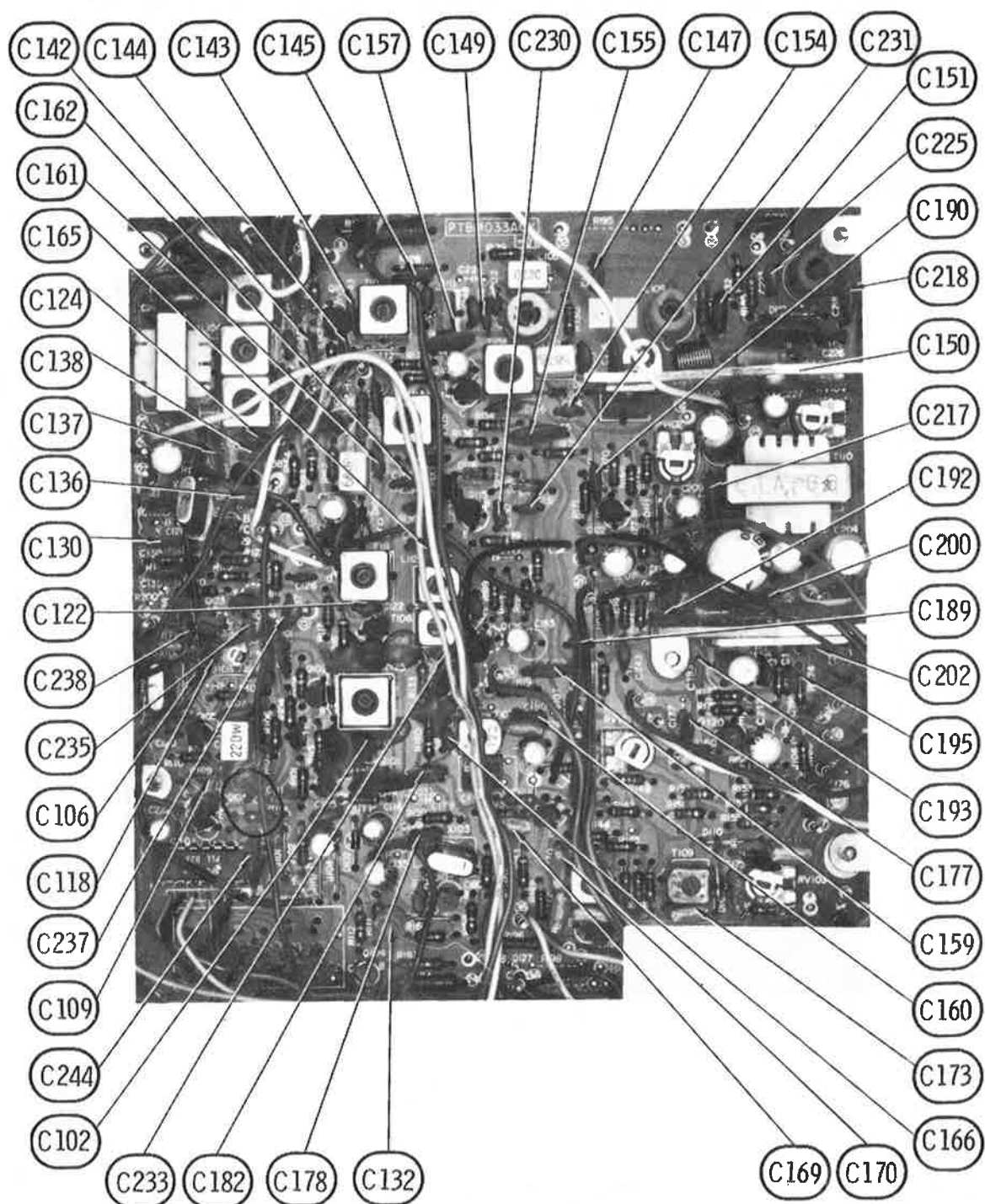


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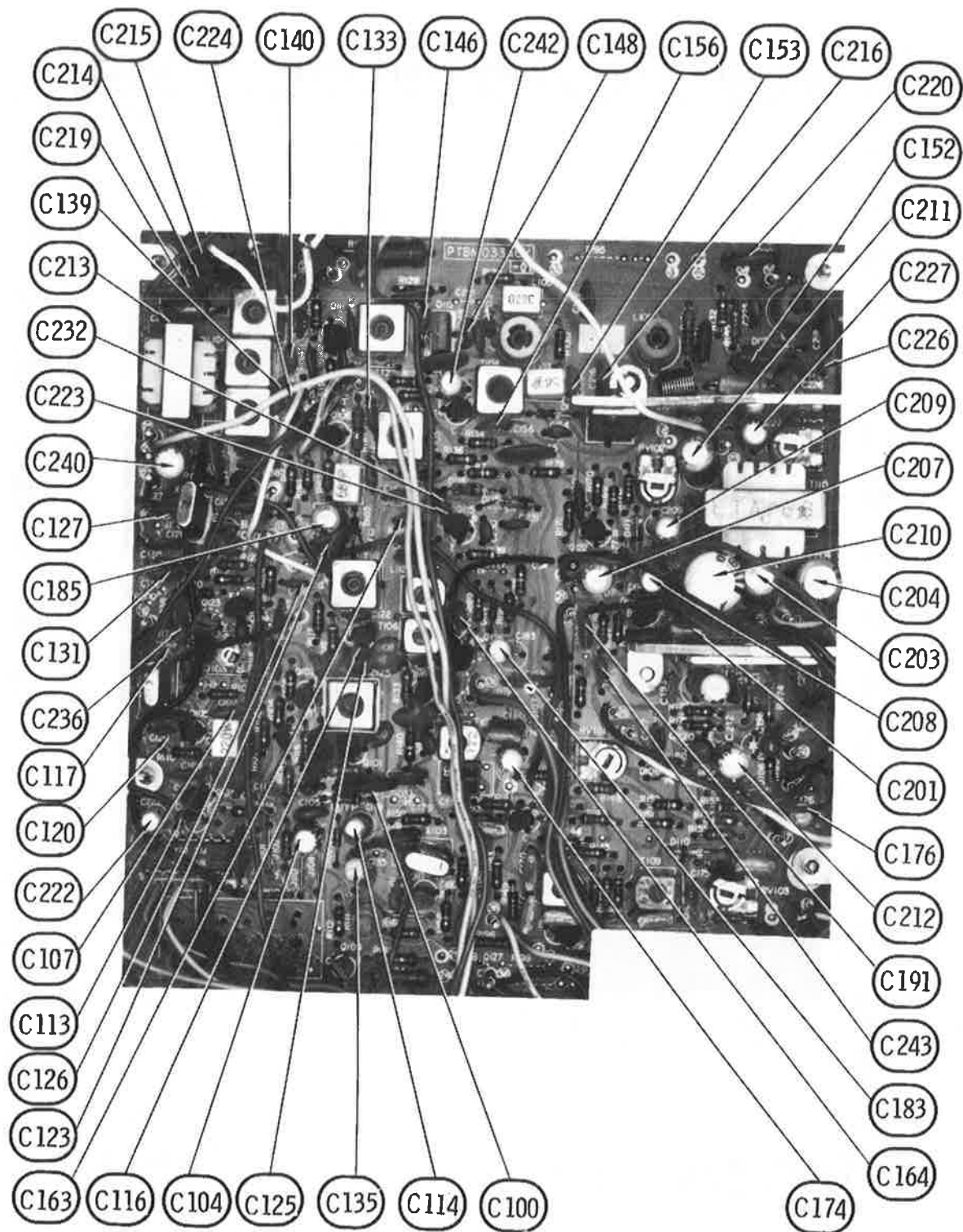
MAIN BOARD



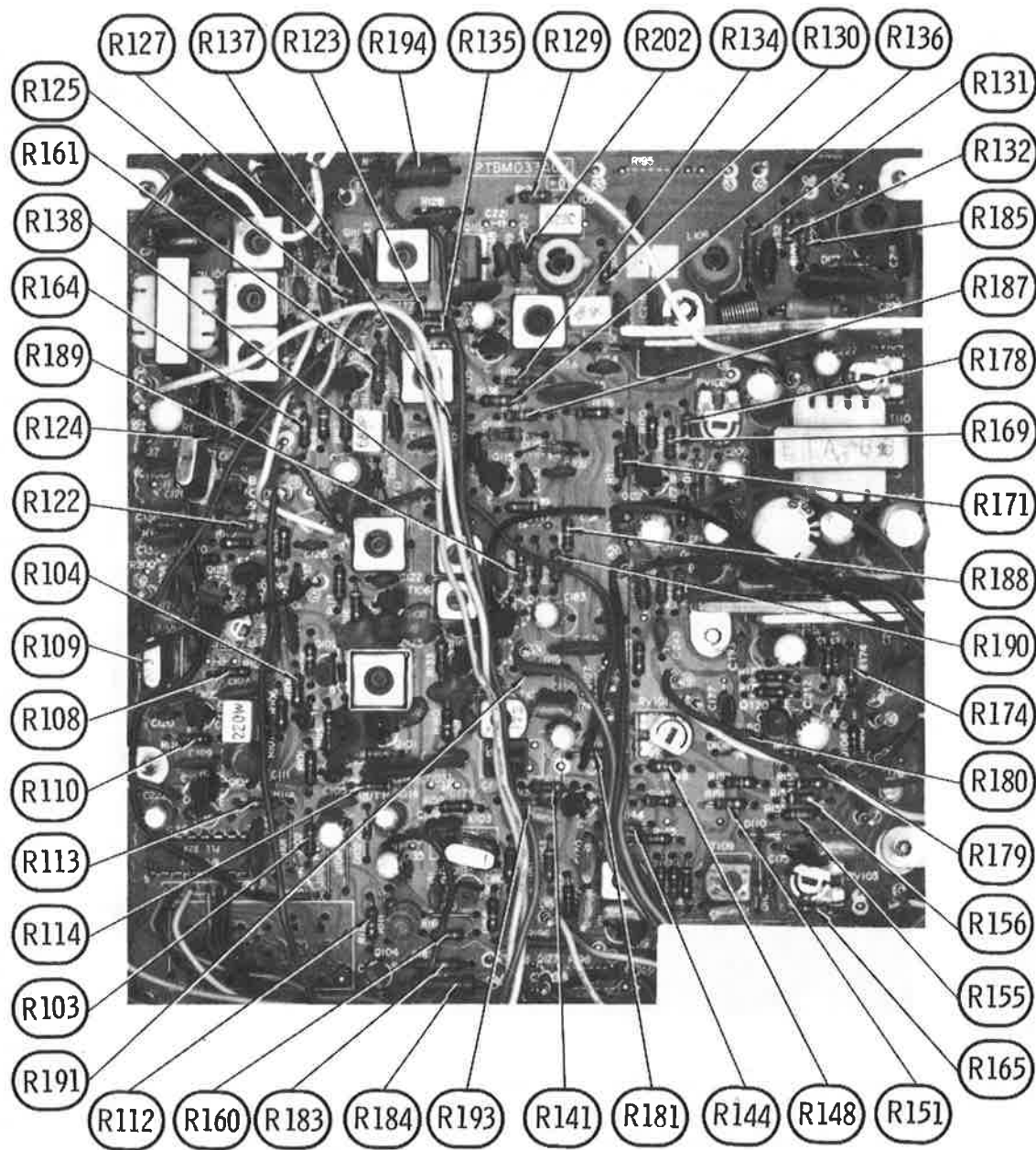
CHASSIS - BOTTOM



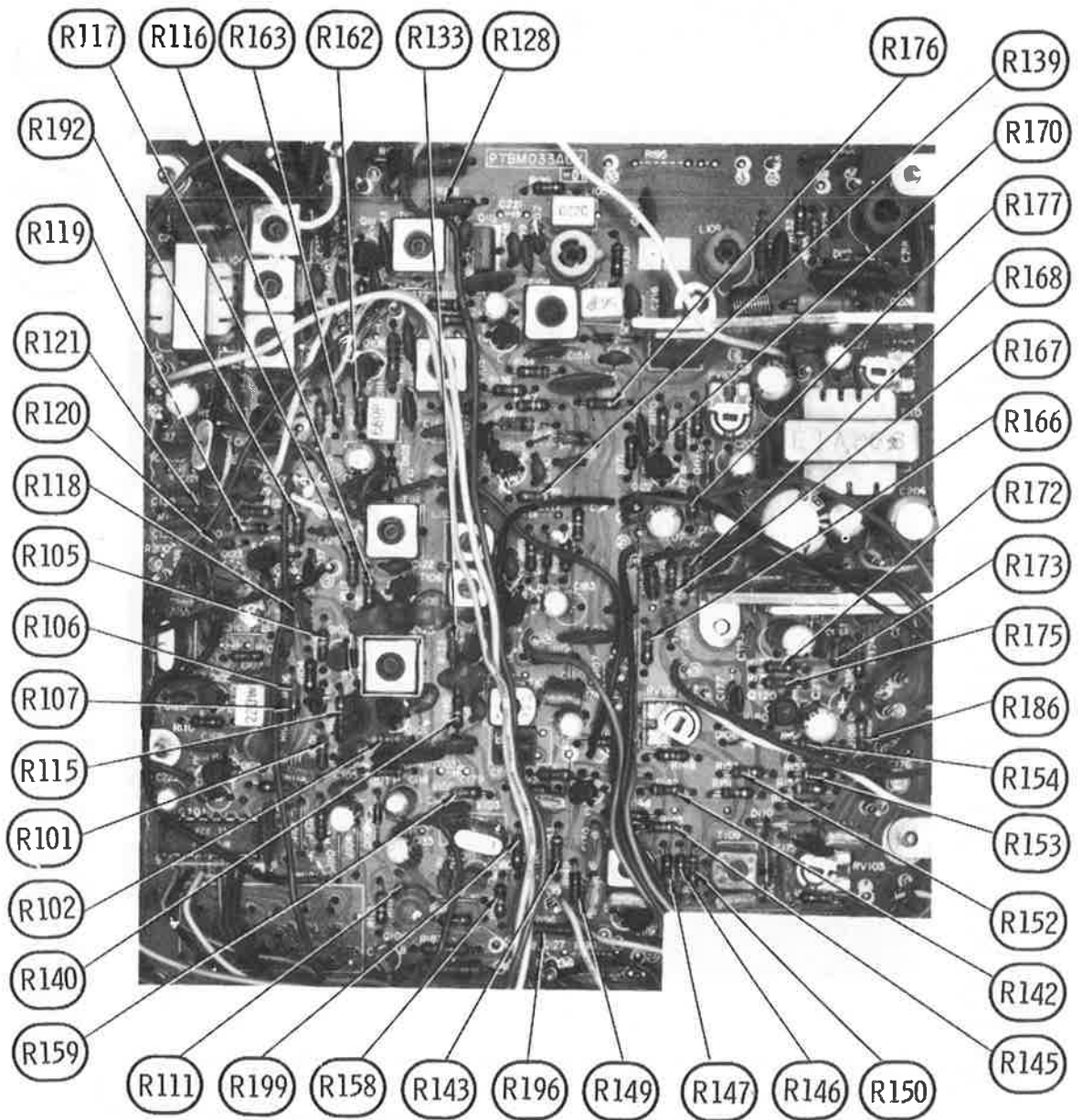
MAIN BOARD



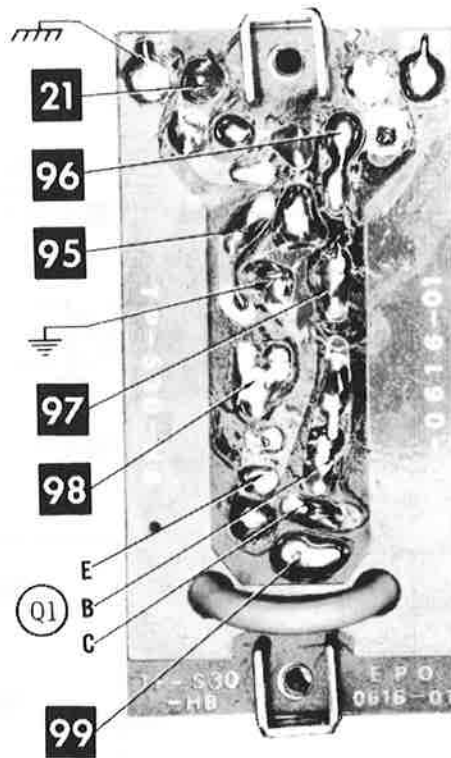
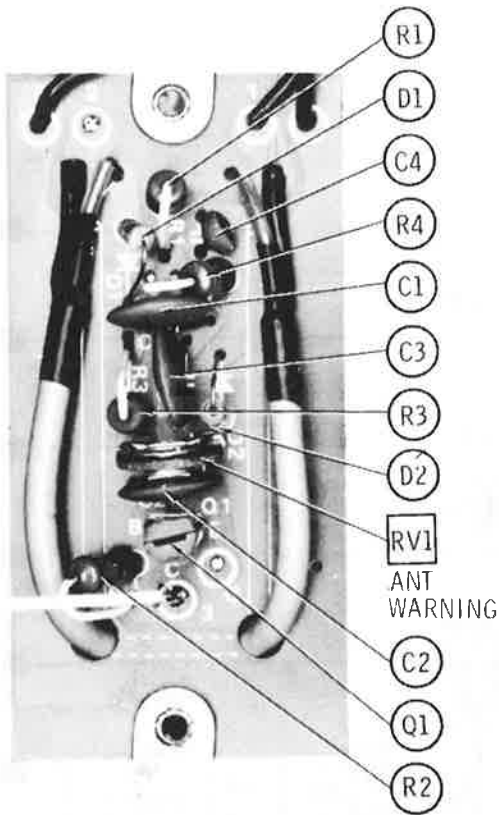
MAIN BOARD



MAIN BOARD

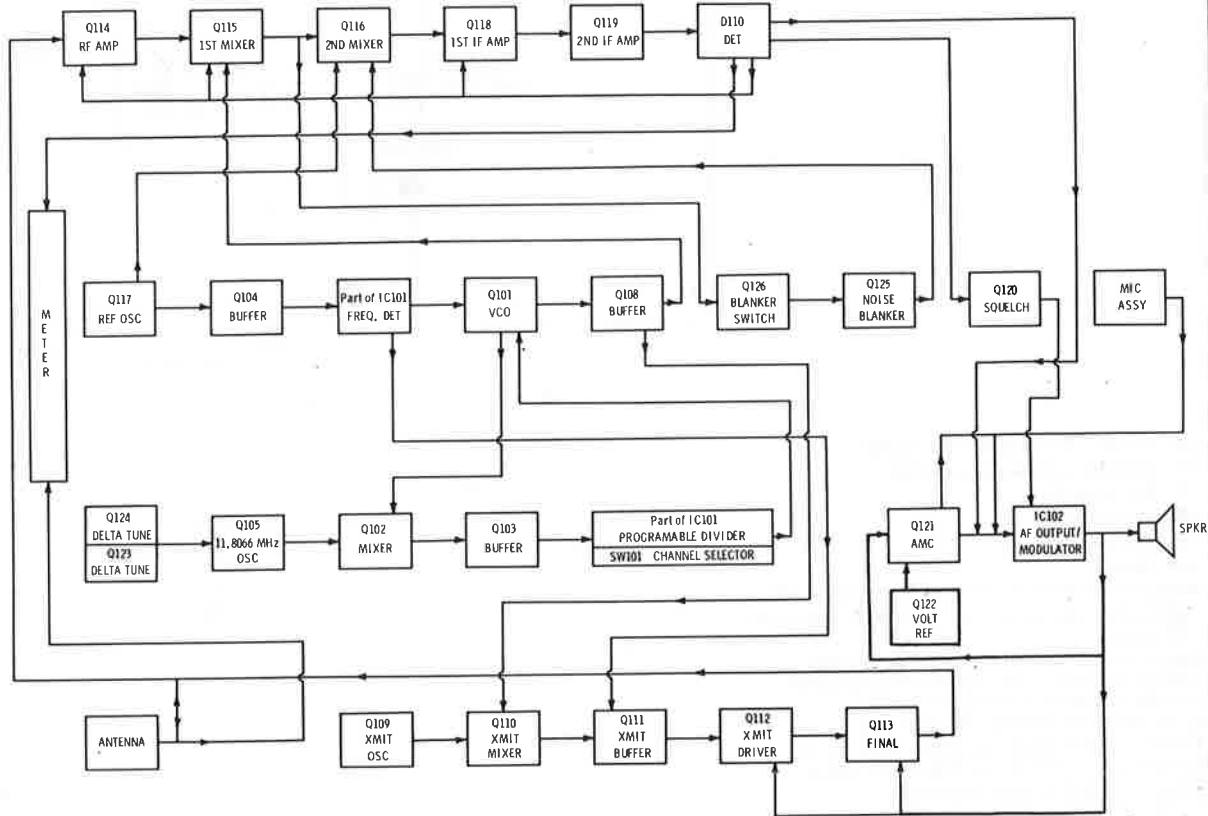


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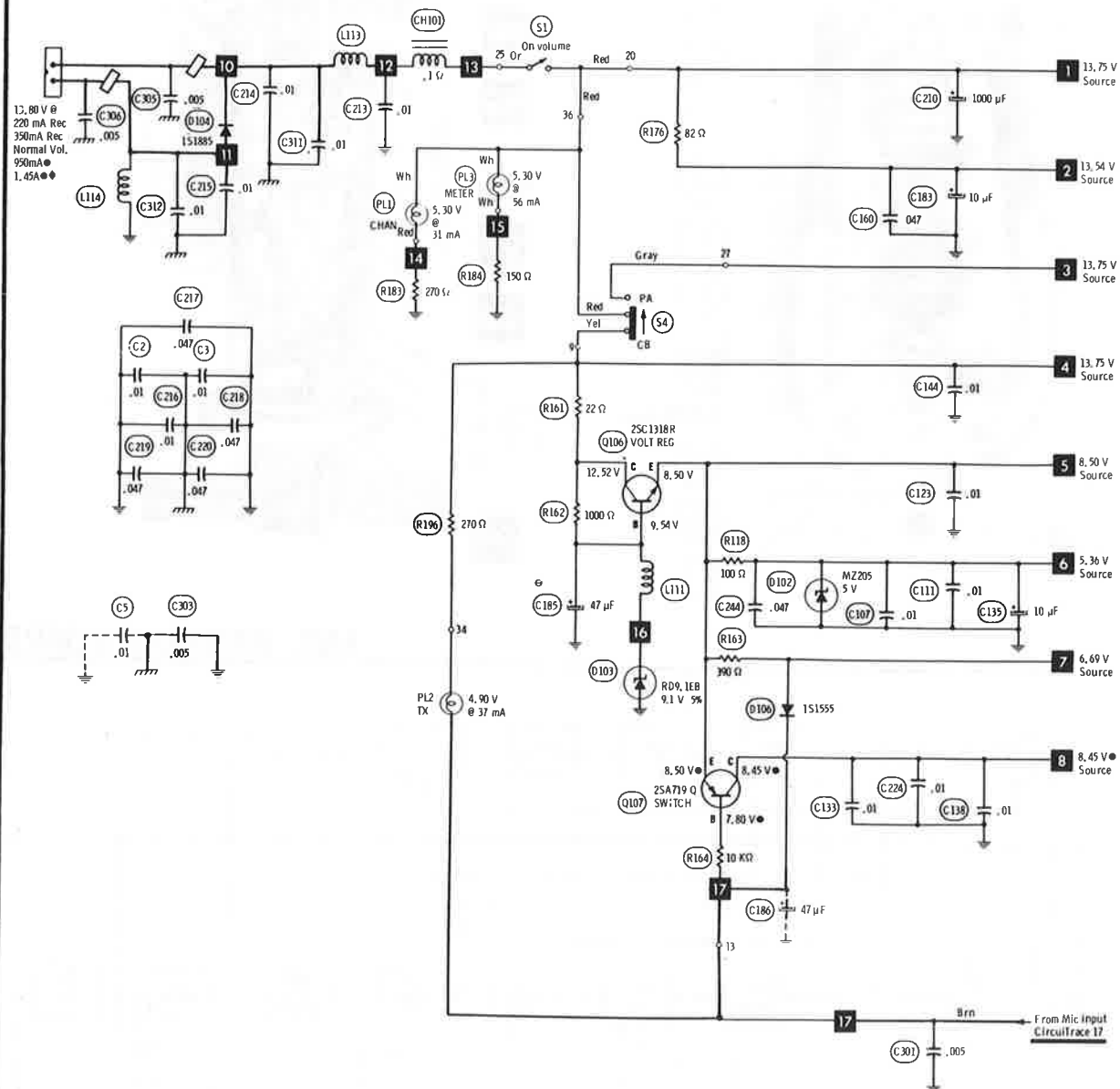


ANT. WARNING BOARD

PEARCE-SIMPSON MODEL TIGER 40A



BLOCK DIAGRAM



—*— Circuitry not used in some versions

- - - Circuitry used in some versions

⊙ See parts list

* Nominal value

⊕ Ground

Chassis

Measurements with switching as shown unless noted:

■ Squelch fully clockwise ◆ 100% modulation

● Transmit

Supply voltage maintained as shown at input.

Voltages measured with digital meter, no signal.

Controls adjusted for normal operation.

Arrow at control indicates direction of advance.

Terminal identification may not be found on unit.

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

Value in () used in some versions.

A PHOTOFAC STANDARD NOTATION SCHEMATIC

WITH CIRCUITRACE®

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Terminal Guide



Q106, Q107

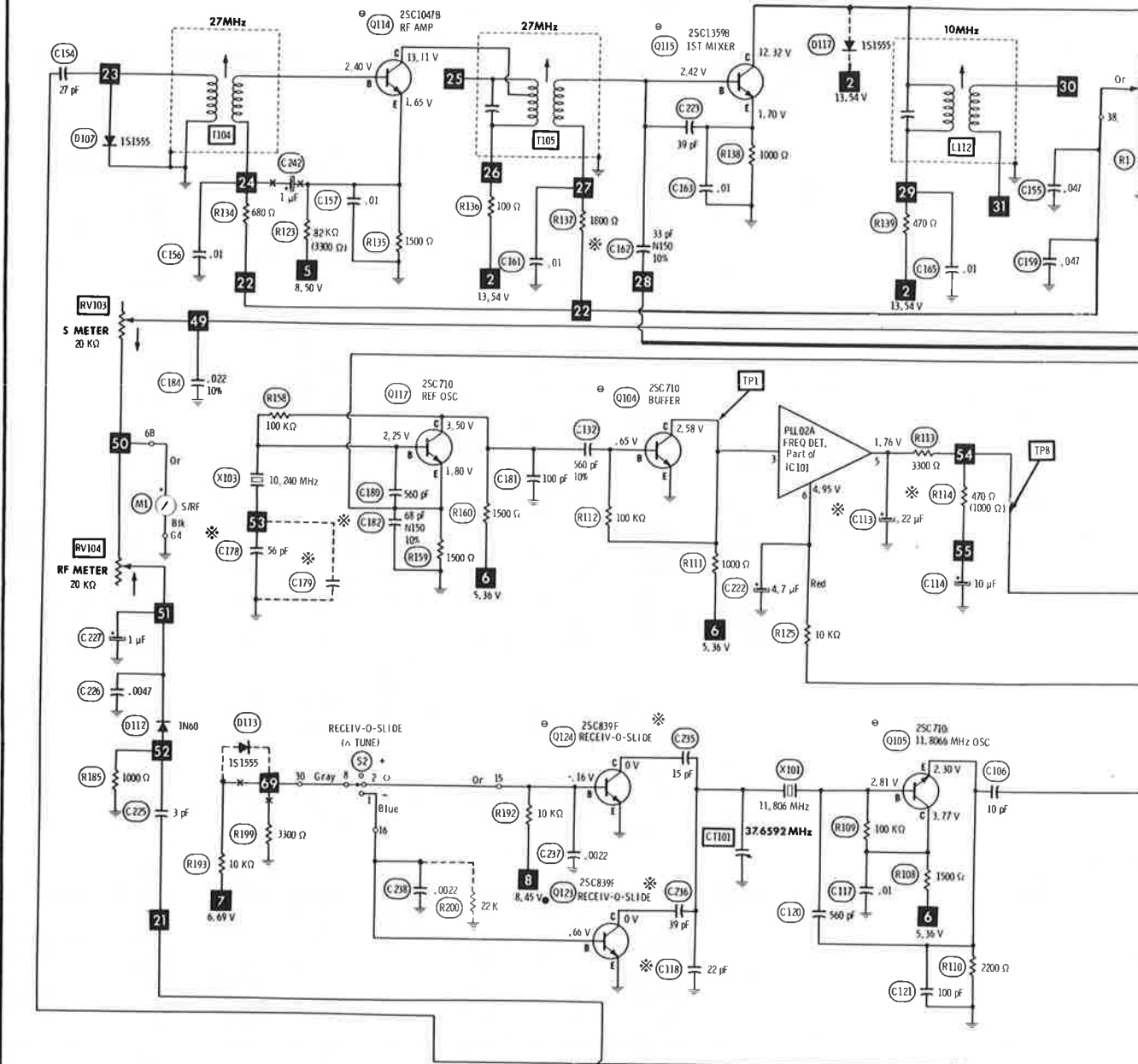
PEARCE-SIMPSON MODEL TIGER 40A

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.
D101	1TT410				HEPR2502	REN 612			ECG612			ZEN-452
	8B142				HEPR2502	REN 612			ECG612			ZEN-452
D102	MZ205		GEZD-5.0			REN 135			ECG135			103-290
D103	RD9.1E		GEZD-9.1	ZM9.1B		REN 139	SK3060	RT-240	ECG5018	1N4739A	WEP1419	103-279-18
D104	1S1885		GE-504A	PTC201	HEPR0052	REN 116	SK3030	RT-213	ECG116	1N4004	WEP156	212-76-02
D105	V06C		GE-504A	PTC201	HEPR0052	REN 116	SK3030	RT-213	ECG116	1N4004	WEP156	212-76-02
D106	1S1555		GE-300	PTC214	HEPR0602	REN 177	SK3100	RT-218	ECG177		WEP1062	
D107	1S1555		GE-300	PTC214	HEPR0602	REN 177	SK3100	RT-218	ECG177		WEP1062	
D108	1S1555		GE-300	PTC214	HEPR0602	REN 177	SK3100	RT-218	ECG177		WEP1062	
D109	1N60		1N60	PTC206	HEPR9135	REN 109	SK3088	RT-263	ECG109	1N60	WEP134	ZEN-430
D110	1N60		1N60	PTC206	HEPR9135	REN 109	SK3088	RT-263	ECG109	1N60	WEP134	ZEN-430
D111	1N60		1N60	PTC206	HEPR9135	REN 109	SK3088	RT-263	ECG109	1N60	WEP134	ZEN-430
D112	1N60		1N60	PTC206	HEPR9135	REN 109	SK3088	RT-263	ECG109	1N60	WEP134	ZEN-430
D113	1S1555		GE-300	PTC214	HEPR0602	REN 177	SK3100	RT-218	ECG177		WEP1062	
D114	1S1555		GE-300	PTC214	HEPR0602	REN 177	SK3100	RT-218	ECG177		WEP1062	
D115	1N60		1N60	PTC206	HEPR9135	REN 109	SK3088	RT-263	ECG109	1N60	WEP134	ZEN-430
D116	1N60		1N60	PTC206	HEPR9135	REN 109	SK3088	RT-263	ECG109	1N60	WEP134	ZEN-430
D117	1S1555		GE-300	PTC214	HEPR0602	REN 177	SK3100	RT-218	ECG177		WEP1062	
IC101	PLL02A					REN 1167			ECG1167		WEP2007	
IC102	TA7205P		GEIC-179	PTC780		REN 1155	SK3231	TVMC-81	ECG1155	TA7205P	WEP949	
	BA521		GEIC-282			REN 1166			ECG1166		WEP2003	
Q101	25C710		GE-211*	PTC132	HEPS0016*	REN 123A*	SK3444	RT-308*	ECG123A*	25C710	WEP710	121-29000*
Q102	25C710		GE-211*	PTC132	HEPS0016*	REN 123A*	SK3444	RT-308*	ECG123A*	25C710	WEP710	121-29000*
	25C829		GE-211*	PTC132	HEPS0016*	REN 123A*	SK3444	RT-308*	ECG123A*	25C710	WEP710	121-29000*
	25C839		GE-20*	PTC139*	HEPS0015*	REN 123A*	SK3444	RT-308	ECG229*	25C829	WEP829	121-29000*
Q103	25C829		GE-61*	PTC132*	HEPS0015*	REN 123A*	SK3444	RT-308	ECG123A*	25C839	WEP736*	121-29000*
	25C829		GE-20*	PTC139*	HEPS0015*	REN 123A*	SK3444	RT-308	ECG229*	25C829	WEP829	121-29000*
	25C710		GE-20*	PTC139*	HEPS0015*	REN 123A*	SK3444	RT-308	ECG229*	25C829	WEP829	121-29000*
	25C839		GE-211*	PTC132	HEPS0016*	REN 123A*	SK3444	RT-308*	ECG123A*	25C710	WEP710	121-29000*
Q104	25C839		GE-61*	PTC132*	HEPS0015*	REN 123A*	SK3444	RT-308	ECG123A*	25C839	WEP736*	121-29000*
	25C710		GE-211*	PTC132	HEPS0016*	REN 123A*	SK3444	RT-308*	ECG123A*	25C710	WEP710	121-29000*
	25C829		GE-20*	PTC139*	HEPS0015*	REN 123A*	SK3444	RT-308	ECG229*	25C829	WEP829	121-29000*
Q105	25C839		GE-61*	PTC132*	HEPS0015*	REN 123A*	SK3444	RT-308	ECG123A*	25C839	WEP736*	121-29000*
	25C710		GE-211*	PTC132	HEPS0016*	REN 123A*	SK3444	RT-308*	ECG123A*	25C710	WEP710	121-29000*
	25C829		GE-20*	PTC139*	HEPS0015*	REN 123A*	SK3444	RT-308	ECG229*	25C829	WEP829	121-29000*
	25C839		GE-61*	PTC132*	HEPS0015*	REN 123A*	SK3444	RT-308	ECG123A*	25C839	WEP736*	121-29000*
Q106	25C1318R		GE-210*	PTC123	HEPS0015*	REN 128	SK3122	RT-302	ECG297		WEP59*	121-722
	25C1318		GE-210*	PTC123	HEPS0015*	REN 128	SK3122	RT-302	ECG297		WEP59*	121-722
Q107	25A719Q		GE-269	PTC103*	HEPS0019*	REN 290	SK3114	RT-305	ECG290	25A562	WEP911	121-879
	25A719		GE-269	PTC103*	HEPS0019*	REN 290	SK3114	RT-305	ECG290	25A562	WEP911	121-879
Q108	25C1359B		GE-212	PTC121*	HEPS0014*	REN 199	SK3122	RT-308	ECG229*	25C930	WEP66	121-29000
	25C1359		GE-212	PTC121*	HEPS0014*	REN 199	SK3122	RT-308	ECG229*	25C930	WEP66	121-29000
	25C1047		GE-60*	PTC132*	HEPS0016*	REN 229*	SK3018*	RT-107	ECG229*	25C535	WEP63*	ZEN-109
Q109	25C710		GE-211*	PTC132	HEPS0016*	REN 123A*	SK3444	RT-308*	ECG123A*	25C710	WEP710	121-29000*
Q110	25C710		GE-211*	PTC132	HEPS0016*	REN 123A*	SK3444	RT-308*	ECG123A*	25C710	WEP710	121-29000*
	25C1687		GE-20*	PTC121*	HEPS0015*	REN 123A*	SK3444	RT-107A*	ECG123A*	25C536	WEP736*	121-29000*
Q111	25C1687		GE-20*	PTC121*	HEPS0015*	REN 123A*	SK3444	RT-107A*	ECG123A*	25C536	WEP736*	121-29000*
	25C1688		GE-81*	PTC121*	HEPS0027*	REN 123A*	SK3444	RT-172*	ECG123A*	25C372*	WEP736*	121-29000*
	25C1215		GE-61*	PTC126*	HEPS0020*	REN 107	SK3293	RT-107A	ECG107	25C717	WEP535	
Q112	25C1760		GE-276	PTC180		REN 306	SK3197	RT-310	ECG306		WEP771	
	25C1846		GE-336	PTC904		REN 295	SK3253		ECG295	25C496	WEP913	800-767
	25C1957		GE-270	PTC180		REN 295	SK3197		ECG295		WEP913	
Q113	25C2074		GE-336		HEPS3044	REN 322	SK3251		ECG306		WEP771	
	25C1306		GE-215	PTC186		REN 235	SK3197	RT-146	ECG235	25C1306	WEP785	
	25C2075		GE-215	PTC186		REN 235	SK3197	RT-146	ECG235		WEP785	
	25C1678		GE-322	PTC186		REN 235	SK3197	RT-146	ECG235	25C1306	WEP785	
Q114	25C1047B		GE-60*	PTC132*	HEPS0016*	REN 229*	SK3018*	RT-107	ECG229*	25C535	WEP63*	ZEN-109
	25C784		GE-60*	PTC132*	HEPS0008*	REN 229*	SK3122	RT-187	ECG229*	25C784	WEP784	121-883*
Q115	25C1359		GE-212	PTC121*	HEPS0014*	REN 199	SK3122	RT-308	ECG229*	25C930	WEP66	121-29000
	25C1359B		GE-212	PTC121*	HEPS0014*	REN 199	SK3122	RT-308	ECG229*	25C930	WEP66	121-29000
	25C1359		GE-212	PTC121*	HEPS0014*	REN 199	SK3122	RT-308	ECG229*	25C930	WEP66	121-29000
	25C784		GE-60*	PTC132*	HEPS0008*	REN 229*	SK3122	RT-187	ECG229*	25C784	WEP784	121-883*
Q116	25C1047		GE-60*	PTC132*	HEPS0016*	REN 229*	SK3018*	RT-107	ECG229*	25C535	WEP63*	ZEN-109
	25C829C		GE-60*	PTC139*	HEPS0015*	REN 123A	SK3444	RT-308	ECG229*	25C829	WEP829	121-29000*
	25C829		GE-20*	PTC139*	HEPS0015*	REN 123A	SK3444	RT-308	ECG229*	25C829	WEP829	121-29000*
	25C710		GE-211*	PTC132	HEPS0016*	REN 123A*	SK3444	RT-308*	ECG123A*	25C710	WEP710	121-29000*
Q117	25C839		GE-61*	PTC132*	HEPS0015*	REN 123A*	SK3444	RT-308	ECG123A*	25C839	WEP736*	121-29000*
Q118	25C829C		GE-211*	PTC132	HEPS0016*	REN 123A*	SK3444	RT-308*	ECG123A*	25C710	WEP710	121-29000*
	25C829		GE-20*	PTC139*	HEPS0015*	REN 123A	SK3444	RT-308	ECG229*	25C829	WEP829	121-29000*
	25C710		GE-20*	PTC139*	HEPS0015*	REN 123A	SK3444	RT-308	ECG123A*	25C710	WEP710	121-29000*
	25C839		GE-61*	PTC132*	HEPS0015*	REN 123A*	SK3444	RT-308	ECG123A*	25C839	WEP736*	121-29000*
Q119	25C829C		GE-20*	PTC139*	HEPS0015*	REN 123A	SK3444	RT-308	ECG229*	25C829	WEP829	121-29000*
	25C829		GE-20*	PTC139*	HEPS0015*	REN 123A	SK3444	RT-308	ECG229*	25C829	WEP829	121-29000*
	25C710		GE-211*	PTC132	HEPS0016*	REN 123A*	SK3444	RT-308*	ECG123A*	25C710	WEP710	121-29000*
	25C839		GE-61*	PTC132*	HEPS0015*	REN 123A*	SK3444	RT-308	ECG123A*	25C839	WEP736*	121-29000*
Q120	25C372Y		GE-61*	PTC121*	HEPS0015*	REN 123A*	SK3444	RT-308	ECG123A*	25C372	WEP372	121-29000*
	25C372		GE-61*	PTC121*	HEPS0015*	REN 123A*	SK3444	RT-308	ECG123A*	25C372	WEP372	121-29000*
	25C945		GE-212	PTC121*	HEPS0015*	REN 199	SK3124	RT-107A	ECG199	25C945	WEP1945	121-29000
Q121	25C828		GE-61*	PTC139*	HEPS0015*	REN 199	SK3444	RT-302	ECG199	25C828	WEP828	ZEN-119
	25C828Q		GE-61*	PTC139*	HEPS0015*	REN 199	SK3444	RT-302	ECG199	25C828	WEP828	ZEN-119
	25C828		GE-212	PTC121*	HEPS0015*	REN 199	SK3124	RT-107A	ECG199	25C945	WEP1945	121-29000
	25C945		GE-61*	PTC121*	HEPS0015*	REN 123A*	SK3444	RT-308	ECG123A*	25C372	WEP372	121-29000*
Q122	25C828P		GE-61*	PTC139*	HEPS0015*	REN 199	SK3444	RT-302	ECG199	25C828	WEP828	ZEN-119
	25C828		GE-61*	PTC139*	HEPS0015*	REN 199	SK3444	RT-302	ECG199	25C828	WEP828	ZEN-119
	25C945		GE-212	PTC121*	HEPS0015*	REN 199	SK3124	RT-107A	ECG199	25C945	WEP1945	121-29000
	25C372		GE-61*	PTC121*	HEPS0015*	REN 123A*	SK3444	RT-308	ECG123A*	25C372	WEP372	121-29000*
Q123	25C839F		GE-61*	PTC132*	HEPS0015*	REN 123A*	SK3444	RT-308	ECG123A*	25C839	WEP736*	121-29000*
	25C839		GE-61*	PTC132*	HEPS0015*	REN 123A*	SK3444	RT-308	ECG123A*	25C839	WEP736*	121-29000*
	25C710		GE-211*	PTC132	HEPS0016*	REN 123A*	SK3444	RT-308*	ECG123A*	25C710	WEP710	121-29000*
Q124	25C829		GE-20*	PTC139*	HEPS0015*	REN 123A	SK3444	RT-308	ECG229*	25C829	WEP829	121-29000*
	25C839F		GE-61*	PTC132*	HEPS0015*	REN 123A*	SK3444	RT-308	ECG123A*	25C839	WEP736*	121-29000*
	25C839		GE-61*	PTC132*	HEPS0015*	REN 123A*	SK3444	RT-308	ECG123A*	25C839	WEP736*	121-29000*
	25C710		GE-211*	PTC132	HEPS0016*	REN 123A*	SK3444	RT-308*	ECG123A*	25C710	WEP710	121-29000*
	25C829		GE-20*	PTC139*	HEPS0015*	REN 123A	SK3444	RT-308</				



* Circuitry not used in some versions

--- Circuitry used in some versions

⊙ See parts list

* Nominal value

⊕ Ground

Chassis

Measurements with switching as shown unless noted:

■ Squelch fully clockwise ◆ 100% modulation

● Transmit

Supply voltage maintained as shown at input.

Voltages measured with digital meter, no signal.

Controls adjusted for normal operation.

Arrow at control indicates direction of advance.

Terminal identification may not be found on unit.

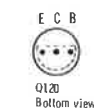
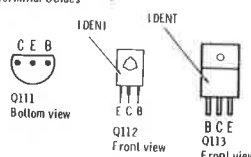
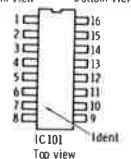
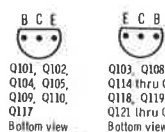
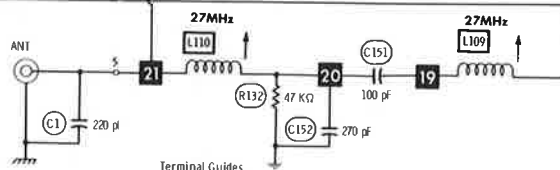
Resistors are 1/2W or less, 5% unless noted.

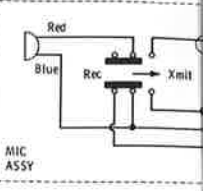
Value in () used in some versions.

A PHOTOFACT STANDARD NOTATION SCHEMATIC

WITH CIRCUITRACE®

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PARTS LIST AND DESCRIPTION (CONTINUED)

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

ELECTROLYTIC CAPACITORS

ITEM No.	RATING	REPLACEMENT DATA				
		MFG. PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.	
					Q-LINE	GENERAL LINE
C104	10 16V		PC10-25	VTT10B25	QV1-41	EV-1222
C113	.22 50V			TDC224M050EL	QDT1-10	SD50-R229
C114	10 16V		PC10-25	VTT10B25	QV1-41	EV-1222
C115	1 50V			TDC104M050EL	QDT1-2	SD50-R109
C135	10 16V		PC10-25	VTT10B25	QV1-41	EV-1222
C174	3.3 25V		PC1-50	VTT3R3A50	QV1-23	EV-1318
C176	1 50V			VTT1A50	QV1-11	EV-1615
C183	10 16V		PC10-25	VTT10B25	QV1-41	EV-1222
C185	47 10V		PC50-16	VTT47D16	QV1-73	EV-1226
	10 16V		PC10-25	VTT10B25	QV1-41	EV-1222
C186	47 50V		PC50-50	VTT47J63	QV1-79	EV-1626
C196	3.9 10V			TDC475M010EL	QDT1-48	SD10-4R79
C197	33 6.3V		PC30-25	VTT33B10	QV1-61	EV-1125
C203	47 16V		PC50-16	VTT47D16	QV1-73	EV-1226
C204	220 16V		PC250-25	VTT220H16	QV1-117	EV-1240
C207	33 6.3V		PC30-25	VTT33B10	QV1-61	EV-1125
C208	10 16V		PC10-25	VTT10B25	QV1-41	EV-1222
C209	1 50V		PC1-50	VTT1A50	QV1-11	EV-1615
C210	1000 16V		PC1000-16	VTT1000L16	QV1-183	EV-1260
C211	47 25V		PC50-25	VTT47E25	QV1-75	EV-1326
C212	33 6.3V		PC30-25	VTT33B10	QV1-61	EV-1125
C222	4.7 25V		PC5-50	VTT4R7B50	QV1-27	EV-1319
C227	1 50V		PC1-50	VTT1A50	QV1-11	EV-1615
C240	33 16V		PC30-25	VTT33D25	QV1-63	EV-1325
C242	1 50V		PC1-50	VTT1A50	QV1-11	EV-1615

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
C1	220		DC-103	CD15FD221J03	SX322	QW1-35	MWA-221
C2	.01			MGP01	TA110	QC2-141	TG-S10
C3	.04		DC-103		GP140		5GA-S40
C5	.01			MGP01	TA110	QC2-141	TG-S10
C100	100 N220				*		10TCR-T10
C101	18 NPO				CN0418		10TCC-Q18
C102	22		DTZ-22	NPO22	CN0422		10TCC-Q22
C103	1 NPO				CN0510		10TCC-V10
C106	10		DTZ-10	NPO10	CN0410		10TCC-Q10
C107	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C108	330		DD-331	GP330	GP333		10TS-T33
C109	330		DD-331	GP330	GP333		10TS-T33
C110	.001			CD19FD102J03	SX210		MWC-102
C111	.01			WMF1S1	EWFA1A110	QF1-91	1PB-S10
C112	39				CN0439		10TCC-Q39
C116	15		DTZ-15	NPO15	CN0415		10TCC-Q15
C117	.01			WMF1S1	EWFA1A110	QF1-91	1PB-S10
C118	22 N150				*		10TCP-Q22
C120	560		DD-561		GP356		10TS-T56
C121	100 N150				*		10TCP-Q22
C122	15		DTZ-15	NPO15	CN0415		10TCC-Q15
C123	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C124	100			CD15FD101J03	SX310	QW1-27	MWA-101
C125	33		DTZ-33	NPO33	CN0433		10TCC-Q33
C126	12 N150				*		10TCP-Q12
C127	56 N150				*		10TCP-Q56
C129	560		DD-561		GP356		10TS-T56
C130	82 N150				*		10TCP-Q82
C131	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C132	560			CD19FD561J03	SX356		MWC-561
C133	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C136	150		DD-151		GP315		10TS-T15
C137	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C138	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C139	2		DTZ-2R2	NPO2P2	CN0522		10TCC-V22
C140	2				NPO2P2		10TCC-V22
C141	68		DD-680	GP68	GP468		10TS-Q68
C142	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C143	100		DD-101	GP100	GP310		10TS-T10
C144	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C145	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C146	470		DD-471	GP470	GP347		10TS-T47
C147	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C148	120		DTZ-120		CN0312		10TCC-T12
	82		DD-820		GP482		10TS-Q82
C149	220		DD-221		GP322		10TS-T22
C150	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C151	100			CD15FD101J03	SX310	QW1-27	MWA-101
C152	270			CD15FD271J03	SX327	QW1-37	MWB-271
C153	82		DD-820		GP482		10TS-Q82
C154	27				CN0427		10TCC-Q27
C155	.047		DC-503	MGP05	TA150	QC2-207	TG-S50
C156	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C157	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C159	.047		DC-503	MGP05	TA150	QC2-207	TG-S50
C160	.047						
C161	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C162	33 N150			*			10TCP-Q33
C163	.01		DC-103	MGP01	TA110	QC2-141	TG-S10

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
C164	2		DTZ-2R2	NPO2P2	CN0522		10TCC-V22
C165	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C166	10		DTZ-10	NPO10	CN0410		10TCC-Q10
C168	2.2		DTZ-2R2	NPO2P2	CN0522		10TCC-V22
C169	.047			DPMS2S47	EWFA1A147	QF1-171	1PB-S47
C170	.047			DPMS2S47	EWFA1A147	QF1-171	1PB-S47
C171	.047			DPMS2S47	EWFA1A147	QF1-171	1PB-S47
C172	.047			DPMS2S47	EWFA1A147	QF1-171	1PB-S47
C173	.047			DPMS2S47	EWFA1A147	QF1-171	1PB-S47
C175	.0047			WMF1D47	EWFA1A247	QF1-57	1PB-D47
C177	.0047			WMF1D47	EWFA1A247	QF1-57	1PB-D47
C178	56 N150			*			10TCP-Q56
C180	560		DD-561		GP356		10TS-T56
C181	100		DD-101	GP100	GP310		10TS-T10
C182	68 N150				*		10TCP-Q68
C184	.022			DPMS2S22	EWFA1A122	QF1-127	1PB-S22
C189	.0022		DD-222		GP222	QC2-97	5GA-D22
C190	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C191	.022			DPMS2S22	EWFA1A122	QF1-127	1PB-S22
C192	220		DD-221		GP322		10TS-T22
C193	.01			WMF1S1	EWFA1A110	QF1-91	1PB-S10
C194	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C195	.0022		DD-222		GP222	QC2-97	5GA-D22
C198	68		DD-680		GP468		10TS-Q68
C199	68		DD-680		GP468		10TS-Q68
C200	100		DD-101	GP100	GP310		10TS-T10
C201	.068			WMF1S68	EWFA1A168	QF1-195	1PB-S68
C202	100		DD-101	GP100	GP310		10TS-T10
C205	.068			WMF1S68	EWFA1A168	QF1-195	1PB-S68
C213	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C214	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C215	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C216	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C217	.047		DC-503	MGP05	TA150	QC2-207	TG-S50
C218	.047		DC-503	MGP05	TA150	QC2-207	TG-S50
C219	.047		DC-503	MGP05	TA150	QC2-207	TG-S50
C220	.047		DC-503	MGP05	TA150	QC2-207	TG-S50
C221	27				CN0427		10TCC-Q27
C223	39				CN0439		10TCC-Q39
C224	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C225	3		DTZ-3R3	NPO3P3	CN0533		10TCC-V33
C226	.0047		DD-472	GP4700	GP247		5GA-D47
C230	7		DTZ-6R8	NPO6P8	CN0568		10TCC-V68
C231	100		DD-101	GP100	GP310		10TS-T10
C232	.0033			WMF1D33	EWFA1A233	QF1-43	1PB-D33
C233	330		DD-331	GP330	GP333		10TS-T33
C235	15 N150				*		10TCP-Q15
C236	39 N150				*		10TCP-Q39
	27 N150				*		10TCP-Q27
C237	.0022			DPMS6D22	EWFA1A168	QF1-195	1PB-S68
C238	.0022			DPMS6D22	EWFA1A168	QF1-195	1PB-S68
C241	.068			WMF1S68	GP310		10TS-T10
C243	100		DD-101	GP100	GP310		10TS-T10
C244	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C301	.005		DC-502	MGP005	TA250	QC2-123	TG-D50
C302	.005		DC-502	MGP005	TA250	QC2-123	TG-D50
C303	.005		DC-502	MGP005	TA250	QC2-123	TG-D50
C304	.005		DC-502	MGP005	TA250	QC2-123	TG-D50
C305	.005		DC-502	MGP005	TA250	QC2-123	TG-D50
C306	.005		DC-502	MGP005	TA250	QC2-123	TG-D50
C307	.005		DC-502	MGP005	TA250	QC2-123	TG-D50
C308	.005		DC-502	MGP005	TA250	QC2-123	TG-D50
C309	.005		DC-502	MGP005	TA250	QC2-123	TG-D50
C310	.005		DC-502	MGP005	TA250	QC2-123	TG-D50
C311	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C312	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
CT101							

* 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			
			MFG. PART No.	CENTRALAB PART No.	MALLORY PART No.	TRW PART No.
RV101	Squelch Range	10K				U260R103B
RV102	AMC	2000				U260R252B
RV103	S Meter	20K				U260R253B
RV104	RF Meter	20K				U260R253B
VR1	Volume/Switch	50K				
VR2	Squelch	10K				
VR3	Tone	50K				
VR4	RF Gain	100K				

PARTS LIST AND DESCRIPTION (CONTINUED)

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

COILS (RF-IF)

ITEM No.	FUNCTION
L101	RF Choke
L103	XMT Mixer (27MHz)
L104	XMT Mixer (27MHz)
L105	RF Choke
L106	XMT Buffer (27MHz)
L107	RF Choke
L108	RF Choke
L109	

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

SPRAGUE PART No.	
Q-LINE	GENERAL LINE
QV1-41	EV-1222
QV1-10	SD50-R229
QV1-41	EV-1222
QV1-2	SD50-R109
QV1-41	EV-1222
QV1-23	EV-1318
QV1-11	EV-1615
QV1-41	EV-1222
QV1-73	EV-1226
QV1-41	EV-1222
QV1-79	EV-1626
QV1-48	SD10-4R79
QV1-61	EV-1125
QV1-73	EV-1226
QV1-117	EV-1240
QV1-61	EV-1125
QV1-41	EV-1222
QV1-11	EV-1615
QV1-183	EV-1260
QV1-75	EV-1326
QV1-61	EV-1125
QV1-27	EV-1319
QV1-11	EV-1615
QV1-63	EV-1325
QV1-11	EV-1615

SPRAGUE PART No.	
Q-LINE	GENERAL LINE
QW1-35	MWA-221
QC2-141	TG-S10
QC2-141	5GA-S40
QC2-141	TG-S10
QC2-141	10TCR-T10
QC2-141	10TCC-Q18
QC2-141	10TCC-Q22
QC2-141	10TCC-V10
QC2-141	10TCC-Q10
QC2-141	TG-S10
QC2-141	10TS-T33
QC2-141	10TS-T33
QC2-141	MWC-102
QC2-141	1PB-S10
QC2-141	10TCC-Q39
QC2-141	10TCC-Q15
QC2-141	1PB-S10
QC2-141	10TCP-Q22
QC2-141	10TS-T56
QC2-141	10TCP-Q22
QC2-141	10TCC-Q15
QC2-141	TG-S10
QC2-141	MWA-101
QC2-141	10TCC-Q33
QC2-141	10TCP-Q12
QC2-141	10TCP-Q56
QC2-141	10TS-T56
QC2-141	10TCP-Q82
QC2-141	TG-S10
QC2-141	MWC-561
QC2-141	TG-S10
QC2-141	10TS-T15
QC2-141	TG-S10
QC2-141	TG-S10
QC2-141	10TCC-V22
QC2-141	10TCC-V22
QC2-141	10TS-Q68
QC2-141	TG-S10
QC2-141	10TS-T10
QC2-141	TG-S10
QC2-141	TG-S10
QC2-141	10TS-T47
QC2-141	TG-S10
QC2-141	10TCC-T12
QC2-141	10TS-Q82
QC2-141	10TS-T22
QC2-141	TG-S10
QC2-141	QW1-27
QC2-141	MWB-271
QC2-141	10TS-Q82
QC2-141	10TCC-Q27
QC2-141	TG-S50
QC2-141	TG-S10
QC2-141	TG-S10
QC2-141	TG-S50
QC2-141	TG-S10
QC2-141	10TCP-Q33
QC2-141	TG-S10

CAPACITORS (cont)

ITEM No.	RATING	MFR. PART No.	REPLACEMENT DATA			
			CENTRALAB PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.
C164	2		DTZ-2R2	NPO2P2	CN0522	10TCC-V22
C165	.01		DC-103	MGP01	TA110	TG-S10
C166	10		DTZ-10	NPO10	CN0410	10TCC-Q10
C168	2.2		DTZ-2R2	NPO2P2	CN0522	10TCC-V22
C169	.047			DPMS2S47	EWFA1A47	1PB-S47
C170	.047			DPMS2S47	EWFA1A47	1PB-S47
C171	.047			DPMS2S47	EWFA1A47	1PB-S47
C172	.047			DPMS2S47	EWFA1A47	1PB-S47
C173	.047			DPMS2S47	EWFA1A47	1PB-S47
C175	.0047			WMF1D47	EWFA1A247	QF1-57
C177	.0047			WMF1D47	EWFA1A247	QF1-57
C178	56 N150				*	10TCP-Q56
C180	560		DD-561		GP356	10TS-T56
C181	100		DD-101	GP100	GP310	10TS-T10
C182	68 N150				*	10TCP-Q68
C184	.022			DPMS2S22	EWFA1A22	1PB-S22
C189	.0022		DD-222		GP222	5GA-D22
C190	.01		DC-103	MGP01	TA110	TG-S10
C191	.022			DPMS2S22	EWFA1A22	1PB-S22
C192	220		DD-221		GP322	10TS-T22
C193	.01			WMF1S1	EWFA1A110	1PB-S10
C194	.01		DC-103	MGP01	TA110	TG-S10
C195	.0022		DD-222		GP222	5GA-D22
C198	68		DD-680	GP68	GP468	10TS-Q68
C199	68		DD-680	GP68	GP468	10TS-Q68
C200	100		DD-101	GP100	GP310	10TS-T10
C201	.068			WMF1S68	EWFA1A68	1PB-S68
C202	100		DD-101	GP100	GP310	10TS-T10
C205	.068			WMF1S68	EWFA1A68	1PB-S68
C213	.01		DC-103	MGP01	TA110	TG-S10
C214	.01		DC-103	MGP01	TA110	TG-S10
C215	.01		DC-103	MGP01	TA110	TG-S10
C216	.01		DC-103	MGP01	TA110	TG-S10
C217	.047		DC-503	MGP05	TA150	TG-S50
C218	.047		DC-503	MGP05	TA150	TG-S50
C219	.047		DC-503	MGP05	TA150	TG-S50
C220	.047		DC-503	MGP05	TA150	TG-S50
C221	27			CN0427	CN0439	10TCC-Q27
C223	39			CN0439	CN0439	10TCC-Q39
C224	.01		DC-103	MGP01	TA110	TG-S10
C225	3		DTZ-3R3	NPO3P3	CN0533	10TCC-V33
C226	.0047		DD-472	GP4700	GP247	5GA-D47
C230	7		DTZ-6R8	NPO6P8	CN0568	10TCC-V68
C231	100		DD-101	GP100	GP310	10TS-T10
C232	.0033			WMF1D33	EWFA1A233	1PB-D33
C233	330		DD-331	GP330	GP333	10TS-T33
C235	15 N150				*	10TCP-Q15
C236	39 N150				*	10TCP-Q39
C237	.0022			DPMS6D22	EWFA1A22	10TCP-Q27
C238	.0022			DPMS6D22	EWFA1A22	6PS-D22
C241	.068			WMF1S68	EWFA1A68	6PS-D22
C243	100		DD-101	GP100	GP310	1PB-S68
C244	.01			GP310	GP310	10TS-T10
C301	.005		DC-103	MGP01	TA110	TG-S10
C302	.005		DC-502	MGP005	TA250	TG-D50
C303	.005		DC-502	MGP005	TA250	TG-D50
C304	.005		DC-502	MGP005	TA250	TG-D50
C305	.005		DC-502	MGP005	TA250	TG-D50
C306	.005		DC-502	MGP005	TA250	TG-D50
C307	.005		DC-502	MGP005	TA250	TG-D50
C308	.005		DC-502	MGP005	TA250	TG-D50
C309	.005		DC-502	MGP005	TA250	TG-D50
C310	.005		DC-502	MGP005	TA250	TG-D50
C311	.01		DC-103	MGP01	TA110	TG-S10
C312	.01		DC-103	MGP01	TA110	TG-S10
CT101						

* 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.	MALLORY PART No.	TRW PART No.
RV101	Squelch Range	10K				U260R103B
RV102	AMC	2000				U260R252B
RV103	S Meter	20K				U260R253B
RV104	RF Meter	20K				U260R253B
VR1	Volume/Switch	50K				
VR2	Squelch	10K				
VR3	Tone	50K				
VR4	RF Gain	100K				

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.	
L101	RF Choke				
L103	XMT Mixer (27MHz)				
L104	XMT Mixer (27MHz)				
L105	RF Choke				
L106	XMT Buffer (27MHz)				
L107	RF Choke				
L108	RF Choke				
L109	Final (27MHz)				
L110	P1 Filter (27MHz)				
L111	RF Choke				
L112	IF (10.695MHz)				
L113	RF Choke				
L114	RF Choke				
L116	RF Choke				
T101	VCO				
T102	XMT Mixer (27MHz)				
T103	XMT Buffer (27MHz)				
T104	Rec Antenna (27MHz)				
T105	Rec RF (27MHz)				
T106	IF (10.695MHz)				
T107	IF (455kHz)				
T108	IF (455kHz)				
T109	IF (455kHz)				
T111	VCO Buffer (17MHz)				

FILTER CHOKE

ITEM No.	RATINGS			REPLACEMENT DATA			NOTES
	CURRENT (Measured)	DC RES.	INDUCTANCE (0 CURRENT 1000~)	MFR. PART No.	THORDARSON PART No.	TRIAD PART No.	
CH101	1.45mA	.116	.48mH	ELA-16 (1)	TR523		(1) Number on unit.

TRANSFORMER (Audio Output)

ITEM No.	IMPEDANCE		REPLACEMENT DATA			NOTES
	PRI.	SEC.	MFR. PART No.	THORDARSON PART No.	TRIAD PART No.	
T110	32	1 8 2 128	ETA-66 (1)	TR723	MCB-16	(1) Number on unit.

SPEAKER

ITEM No.	TYPE	REPLACEMENT DATA		NOTES
		MFR. PART No.	QUAM PART No.	
SP	3 1/2" PM 8 Ohms		3A05Z8R	

PEARCE-SIMPSON MODEL TIGER 40A

PARTS LIST AND DESCRIPTION (CONTINUED)

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

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 Amp			AGC2	HDJ	312002	150145	FG2-2

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

MISCELLANEOUS

ITEM No.	PART NAME	PART No.	NOTES
CF101	Ceramic Filter		455kHz
M1	Meter		S/Rf
PL1	Lamp		Channel (5.30V @ 31mA)
PL2	Lamp		TX (4.90V @ 37mA)
PL3	Lamp		Meter (5.30V @ 56mA)
S1	Switch		Power (Part of Volume Control)
S2	Switch		Recv-o-slide
S3	Switch		ANL
S4	Switch		CB/PA
S5	Switch		NB
SW101	Switch		Channel Selector

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')

PEARCE-SIMPSON MODEL TIGER 40A