

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 485

MANUFACTURER'S SPECIFICATIONS

TRANSMITTER

Power:	4 watts — AM, 12 watts PEP — SSB (max. allowed by FCC, at 13.8 volts DC)
Modulation:	High and low level Class B amplitude modulation (AM)
Modulation Capability:	95% Typical (AM)
Harmonic Suppression and Spurious Emissions:	Better than FCC requirement
Frequency Response:	400 Hz to 5 kHz — AM 400 Hz to 3 kHz — SSB
Output Impedance:	50 Ohms, unbalanced
Output Indicators:	Meter shows relative RF output power, receiving signal strength.

RECEIVER

Sensitivity — AM:	1 μ V for 10 dB S/N
Sensitivity — SSB:	0.3 μ V for 10 dB S/N
Selectivity:	5 dB at 4 kHz (AM), 5 dB at 2 kHz (SSB), 50 dB at ± 10 kHz (AM)
Image Rejection:	More than 50 dB
IF Rejection:	More than 80 dB at 455 kHz
Automatic Gain Control (AGC):	Change in audio output less than 12 dB from 10 μ V to .4 volts
Squelch:	Adjustable — threshold less than .7 μ V
Audio Frequency Response:	400 to 2.5 kHz
Distortion:	Less than 10% at 3.0 watts output
Adjacent Channel Rejection:	More than 75 dB at .3 μ V
Cross Modulation:	More than 50 dB
IF Frequency:	10.695 MHz, 455 kHz
Clarifier:	± 800 Hz
Noise Blanker:	IF single gate type
Audio Output Power:	More than 3 watts into 8 Ohms
Built-in Speaker:	8 Ohms, dynamic
External Speaker (optional):	Disables internal speaker when connected

Courtesy of the Manufacturer

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

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COLT MODEL 485

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:
L7, L11, L13, T6, T10, T13, T14, T15 ...5009
T1 thru T5, T7, T8, T9, T11, T129440
CT1 thru CT55000

SYNTHESIZER ALIGNMENT

TEST EQUIPMENT	TRANSCIVER	ADJUST	REMARKS
Input of frequency counter to TP2 (Junction C28 IC Pin 3).	Ch. 19, USB	CT3	Adjust for 10.240MHz <u>+50Hz.</u>
Input of oscilloscope to TP3 (IC2 Pin 4).	Ch. 19, USB	T3	Adjust for maximum.
Input of frequency counter to TP3 (IC2 Pin 4).	Ch. 19, USB Clarifier Midrange	CT1	Adjust for 20.105MHz <u>+40Hz.</u>
	Ch. 19, LSB Clarifier Midrange	CT2	Adjust for 20.1035MHz <u>+40Hz.</u>
Input of frequency counter to TP5 (Junction L15, C70 & C71).	Ch. 19, USB Ch. 19, LSB	CT5 CT4	Adjust for 10.695MHz <u>+50Hz.</u> Adjust for 10.692MHz <u>+50Hz.</u>
Input of DC meter to TP1 (Junction R1 & R2).	Ch. USB	VCO	Adjust for 3.6 volt <u>+0.1 volt.</u>
Inject a 240Hz, 2.5mV signal at MIC input.	Ch. 40, USB Xmit	T1	Adjust for maximum.
Input of RF VTVM to antenna jack.	Ch. 1, USB Xmit	T2	Adjust 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.

AM

TEST EQUIPMENT	TRANSCIVER	ADJUST	REMARKS
Output of signal generator thru .01uF to TP11 (Junction T13 & D22). 455kHz, 1000Hz @ 30% modulation.	Ch. 19, AM Clarifier Midrange Squelch MINIMUM NB Off ANL Off	T14, T15	Adjust for maximum output.
Output of signal generator thru .01uF to antenna jack. 27.185MHz @ 30% modulation.	Ch. 19, AM Clarifier Midrange RF Gain Maximum Squelch MINIMUM NB Off ANL Off	T13, T10, T9 T8, T7	Adjust for maximum output. Repeat above steps, if necessary.

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.

SSB

TEST EQUIPMENT	TRANSCEIVER	ADJUST	REMARKS
Output of signal generator thru .01uF to antenna jack. 27.186MHz, no modulation.	Ch. 19, USB Clarifier Midrange Squelch MINIMUM NB Off ANL Off	T12	Adjust for maximum output.

COLT MODEL 485

RECEIVER ADJUSTMENTS

Connect an AC VTVM or AF wattmeter across speaker voice coil.
Adjust volume control to obtain a suitable indication.

TEST EQUIPMENT	TRANSCEIVER	ADJUST	REMARKS
Input of DC meter to terminal 15 (Base of Q20). No signal input.	Ch. 19, USB Squelch MINIMUM NB Off ANL Off	RV8	SSB AGC Adjust RV8 for 2 volts.
Output of signal generator thru .01uF to antenna jack. 27.185MHz, 1000Hz @ 30% modulation. Output 500uV.	Ch. 19, AM NB Off ANL Off	RV9	AM SQUELCH RANGE Set Squelch Control VR2 fully clockwise. Adjust RV9 so that squelch just breaks.
Output of signal generator thru .01uF to antenna jack. 27.185MHz, no modulation. Output 500uV.	Ch. 19, USB NB Off ANL Off	RV10	SSB SQUELCH RANGE Set Squelch Control VR2 fully clockwise. adjust VR10 so that squelch just breaks.
Output of signal generator thru .01uF to antenna jack. 27.185MHz, 1000Hz @ 30% modulation.	Ch. 19, AM NB Off ANL Off	RV6	AM S METER Adjust RV6 for 9 on S scale of meter.
Output of signal generator thru .01uF to antenna jack. 27.186MHz, no modulation. Output 100uV.	Ch. 19, USB NB Off	RV7	SSB S METER Adjust RV7 for 9 on S 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	TRANSCIVER	ADJUST	REMARKS
Inject a 2400Hz, 2.5mV signal at MIC input.	Ch. 40, USB Ch. 1, USB	T4 T5	Adjust for maximum. Adjust for maximum.
Input of oscilloscope to TP10 (Emitter of Q7).	Ch. 19, USB	T11	Adjust for maximum.
Inject a 2400Hz, 25mV signal at MIC input.	Ch. 19, USB	RV11	Turn core of T6 to top. Adjust RV11 for .150 volts P-P.
Inject a 2400Hz, 25mV signal at MIC input.	Ch. 19, USB	T6,L7,L11, L13.	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.

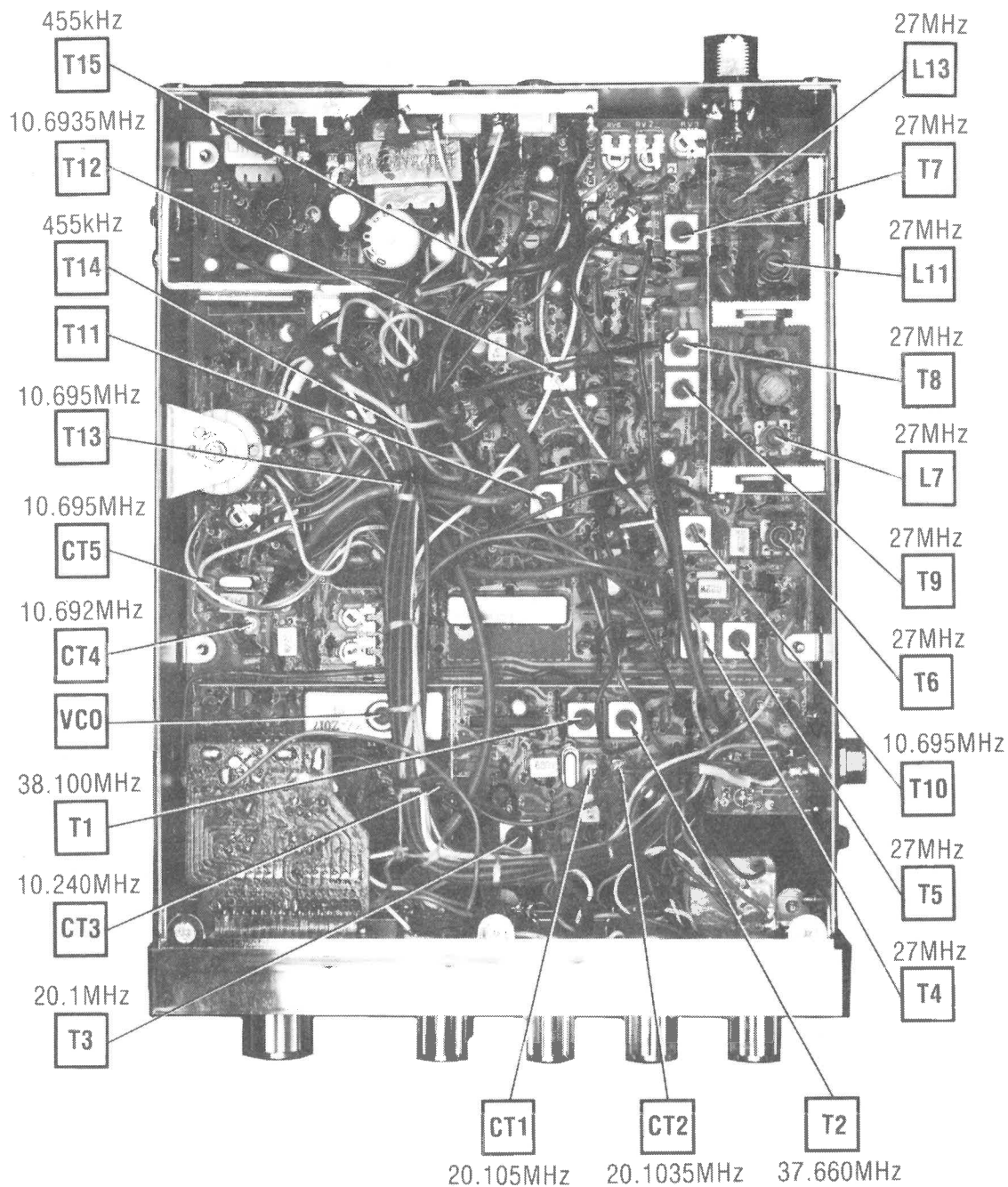
TEST EQUIPMENT	TRANSCIVER	ADJUST	REMARKS
Inject a 2400Hz, 2.5mV signal at MIC input. Connect a milliammeter between Q10 emitter and ground.	Ch. 19, USB	RV1	BIAS Adjust for 35mA $\pm$ 10mA.
RF wattmeter (See connection above) No signal input.	Ch. 19, USB	RV4,RV5	BALANCE Adjust for MINIMUM RF.
Output of 2 tone generator to MIC input 500Hz and 2400Hz. Output 25mV.	Ch. 19, USB	RV2	SSB POWER Adjust for 10 watts.
Connect an RF wattmeter and 50-Ohm, 25 watt dummy load to antenna connector.	Ch. 19, AM	VR4	AM POWER Adjust frequency 3.7 watts.
Modulation meter to antenna jack. Inject a 2500Hz, 25mV signal at MIC input.	Ch. 19, AM	RV12	AMC Adjust for 95% modulation.
Connect an RF wattmeter and 50-Ohm, 25 watt dummy load to antenna connector.	Ch. 19, AM	RV3	POWER METER Adjust RV3 so that RF panel meter agrees with RF wattmeter.

TRUTH CHART

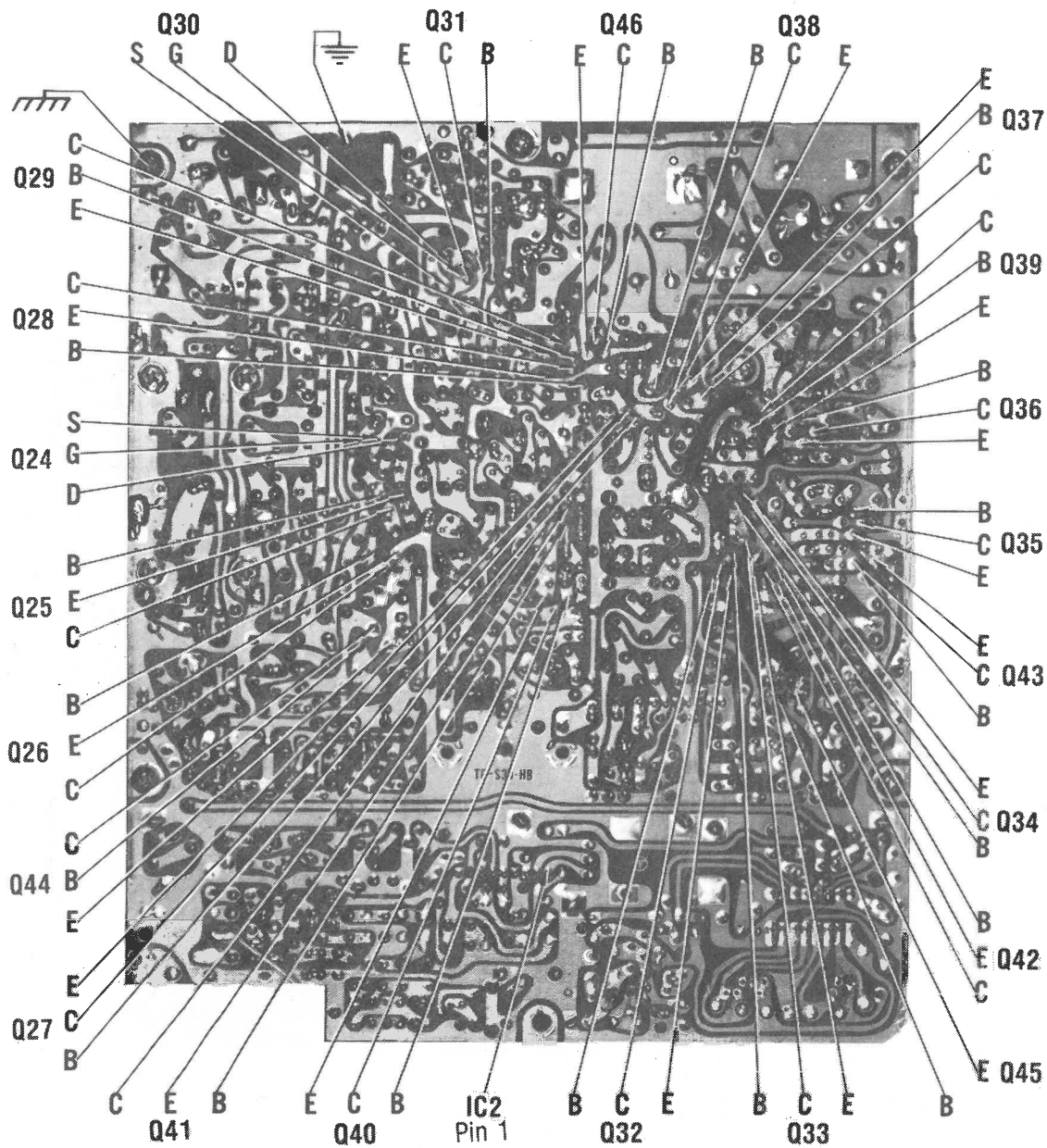
1 = <u>5.35V</u> Volts 0 = <u>0</u> Volts								
C H A N N E L	IC1 PROGRAM DIVIDER						AM & USB REC VCO OUTPUT IN MHz AT TP13	LSB XMIT VCO OUTPUT IN MHz AT TP13
	PINS							
	10	11	12	13	14	15		
1	1	1	1	1	1	1	37.660	37.657
2	1	1	1	1	1	0	37.670	37.667
3	1	1	1	1	0	1	37.680	37.677
4	1	1	1	0	1	1	37.700	37.697
5	1	1	1	0	1	0	37.710	37.707
6	1	1	1	0	0	1	37.720	37.717
7	1	1	1	0	0	0	37.730	37.727
8	1	1	0	1	1	0	37.750	37.747
9	1	1	0	1	0	1	37.760	37.757
10	1	1	0	1	0	0	37.770	37.767
11	1	1	0	0	1	1	37.780	37.777
12	1	1	0	0	0	1	37.800	37.797
13	1	1	0	0	0	0	37.810	37.807
14	1	0	1	1	1	1	37.820	37.817
15	1	0	1	1	1	0	37.830	37.829
16	1	0	1	1	0	0	37.850	37.847
17	1	0	1	0	1	1	37.860	37.857
18	1	0	1	0	1	0	37.870	37.867
19	1	0	1	0	0	1	37.880	37.877
20	1	0	0	1	1	1	37.900	37.897

1 = <u>5.35V</u> Volts 0 = <u>0</u> Volts								
C H A N N E L	IC1 PROGRAM DIVIDER						AM & USB REC VCO OUTPUT IN MHz AT TP13	LSB XMIT VCO OUTPUT IN MHz AT TP13
	PINS							
	10	11	12	13	14	15		
21	1	0	0	1	1	0	37.910	37.907
22	1	0	0	1	0	1	37.920	37.917
23	1	0	0	0	1	0	37.930	37.947
24	1	0	0	1	0	0	37.930	37.924
25	1	0	0	0	1	1	37.940	37.937
26	1	0	0	0	0	1	37.960	37.957
27	1	0	0	0	0	0	37.970	37.967
28	0	1	1	1	1	1	37.980	37.977
29	0	1	1	1	1	0	37.990	37.987
30	0	1	1	1	0	1	38.000	37.997
31	0	1	1	1	0	0	38.010	38.007
32	0	1	1	0	1	1	38.020	38.017
33	0	1	1	0	1	0	38.030	38.027
34	0	1	1	0	0	1	38.040	38.037
35	0	1	1	0	0	0	38.050	38.047
36	0	1	0	1	1	1	38.060	38.054
37	0	1	0	1	1	0	38.070	38.064
38	0	1	0	1	0	1	38.080	38.077
39	0	1	0	1	0	0	38.090	38.087
40	0	1	0	0	1	1	38.100	38.097

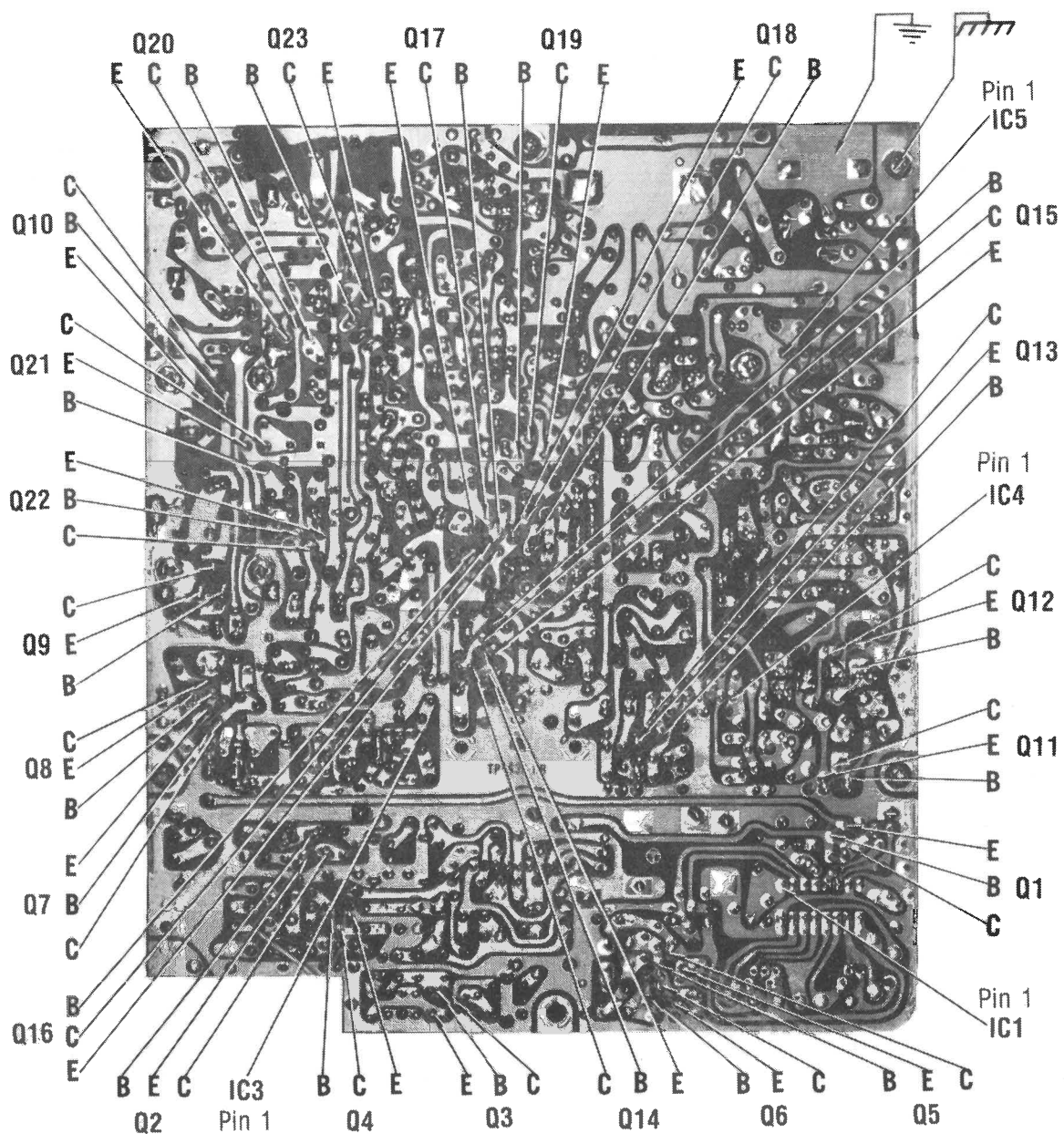
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CHASSIS BOTTOM

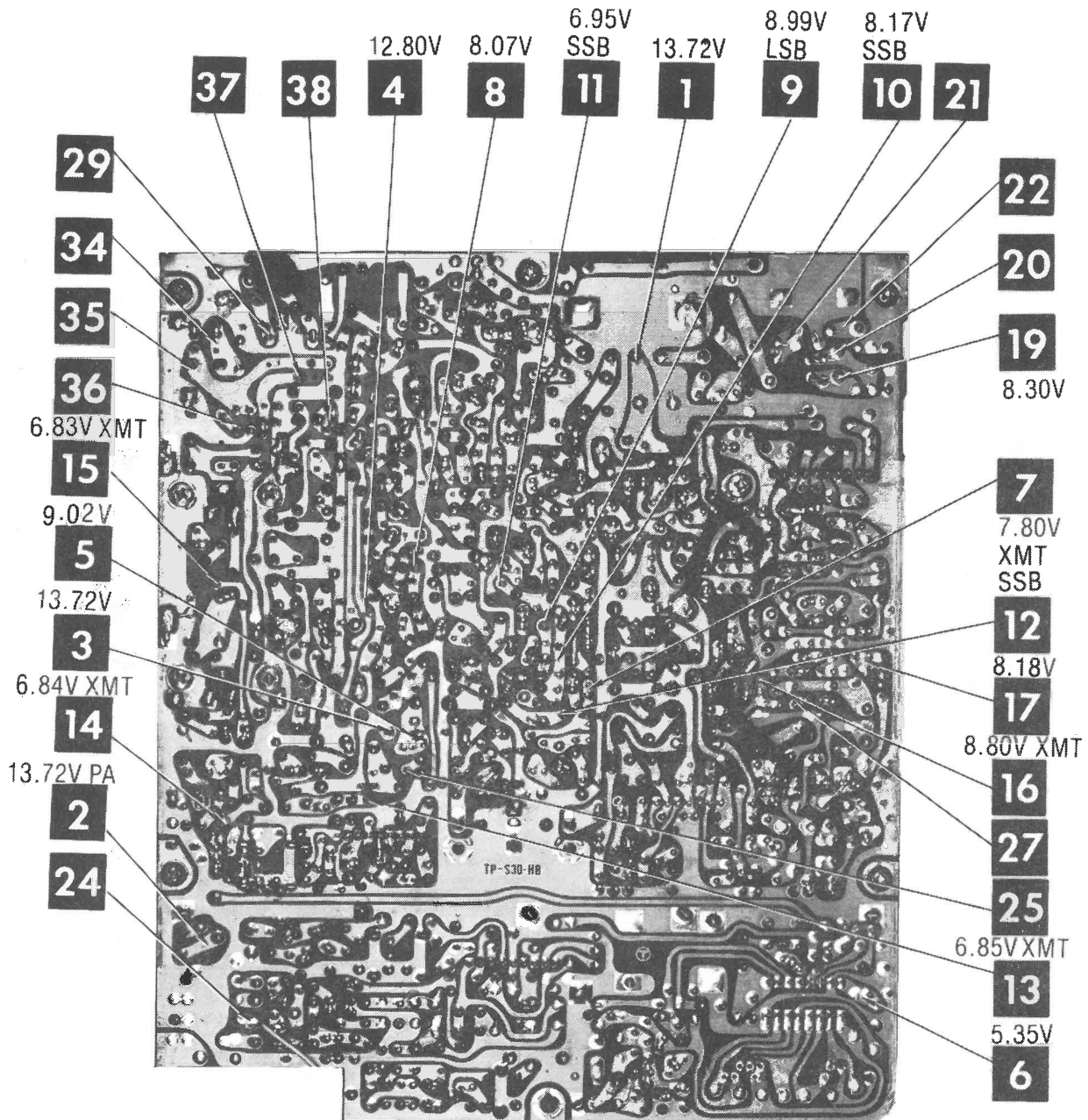


MAIN BOARD

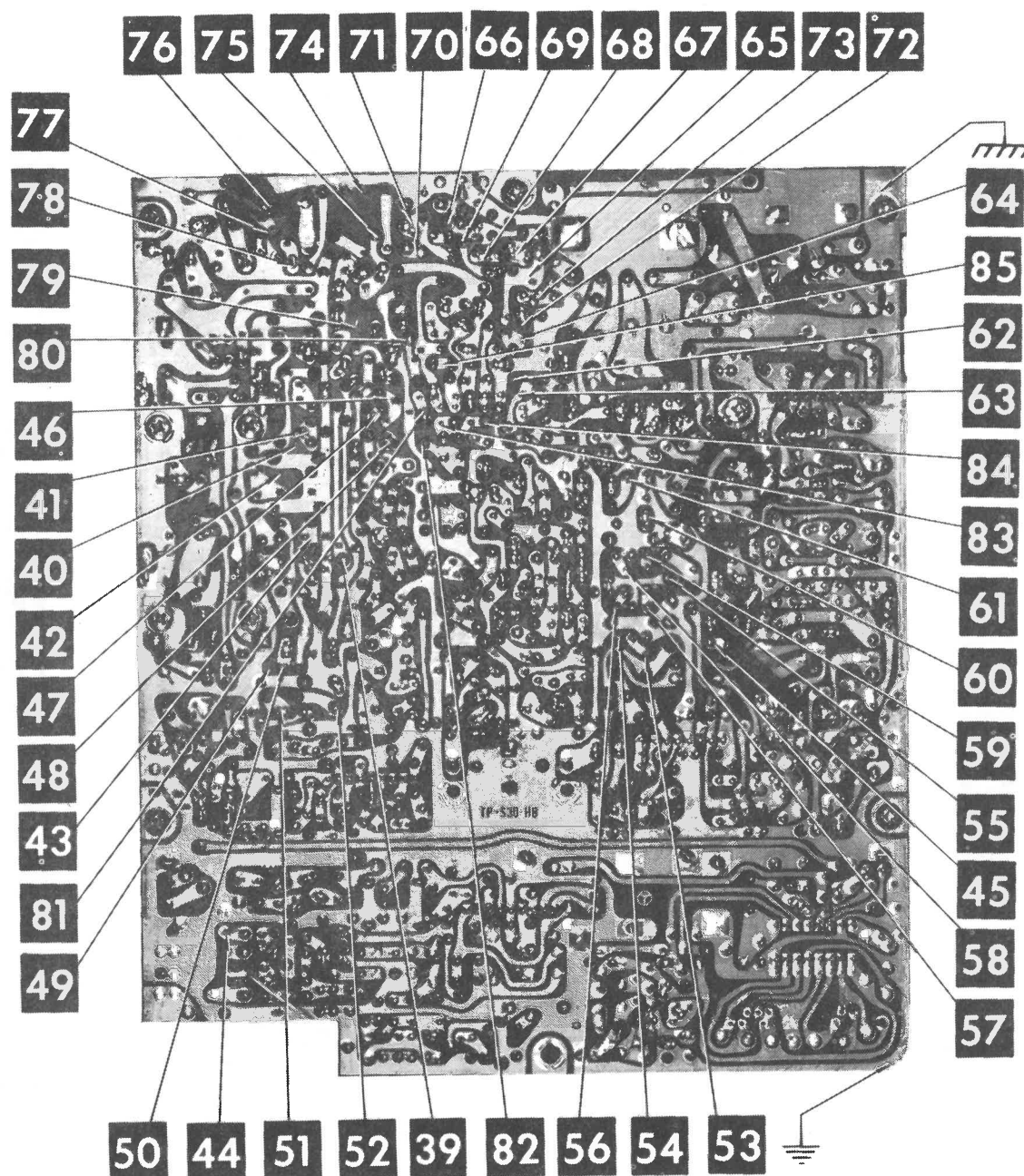


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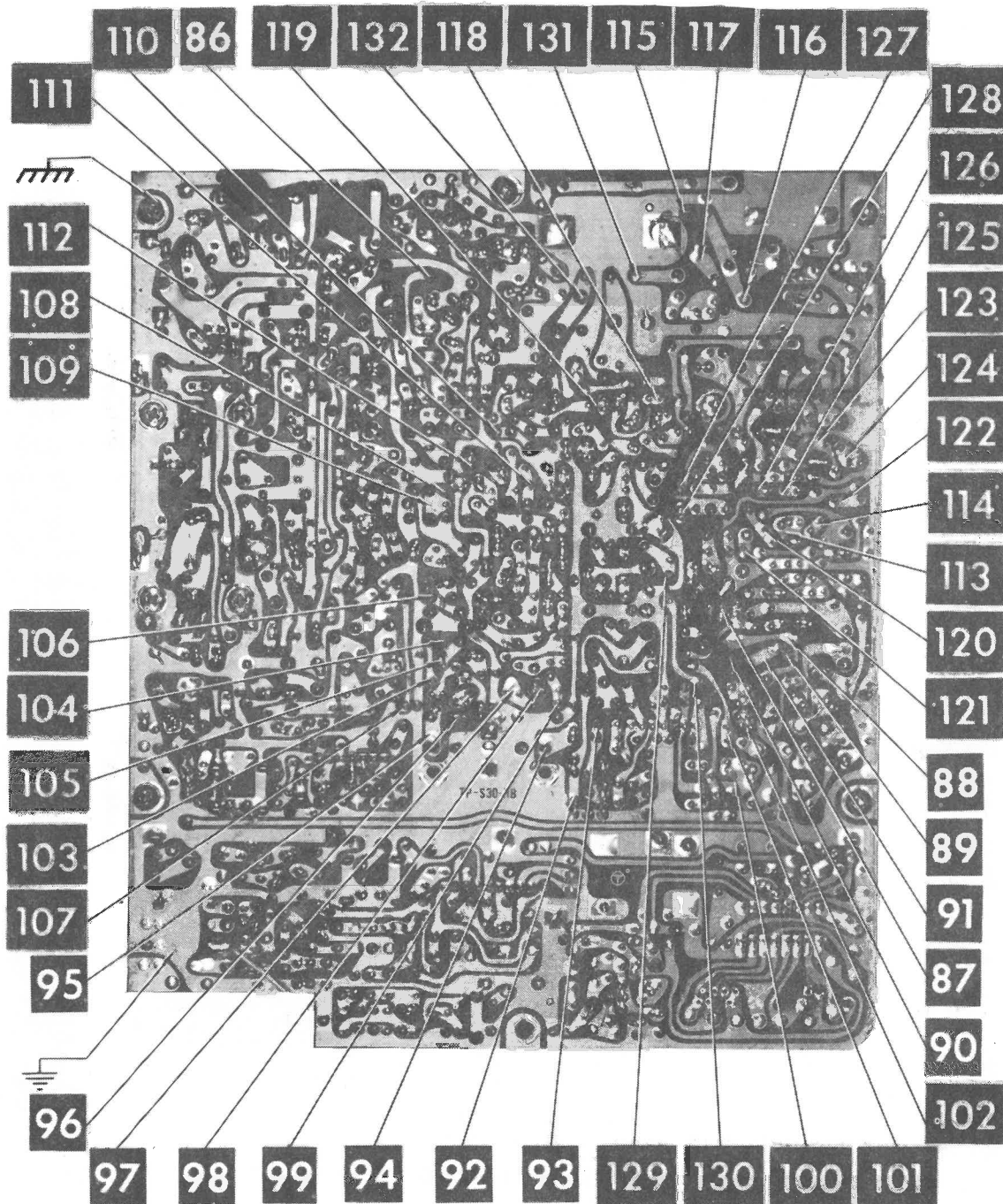
COLT MODEL 485



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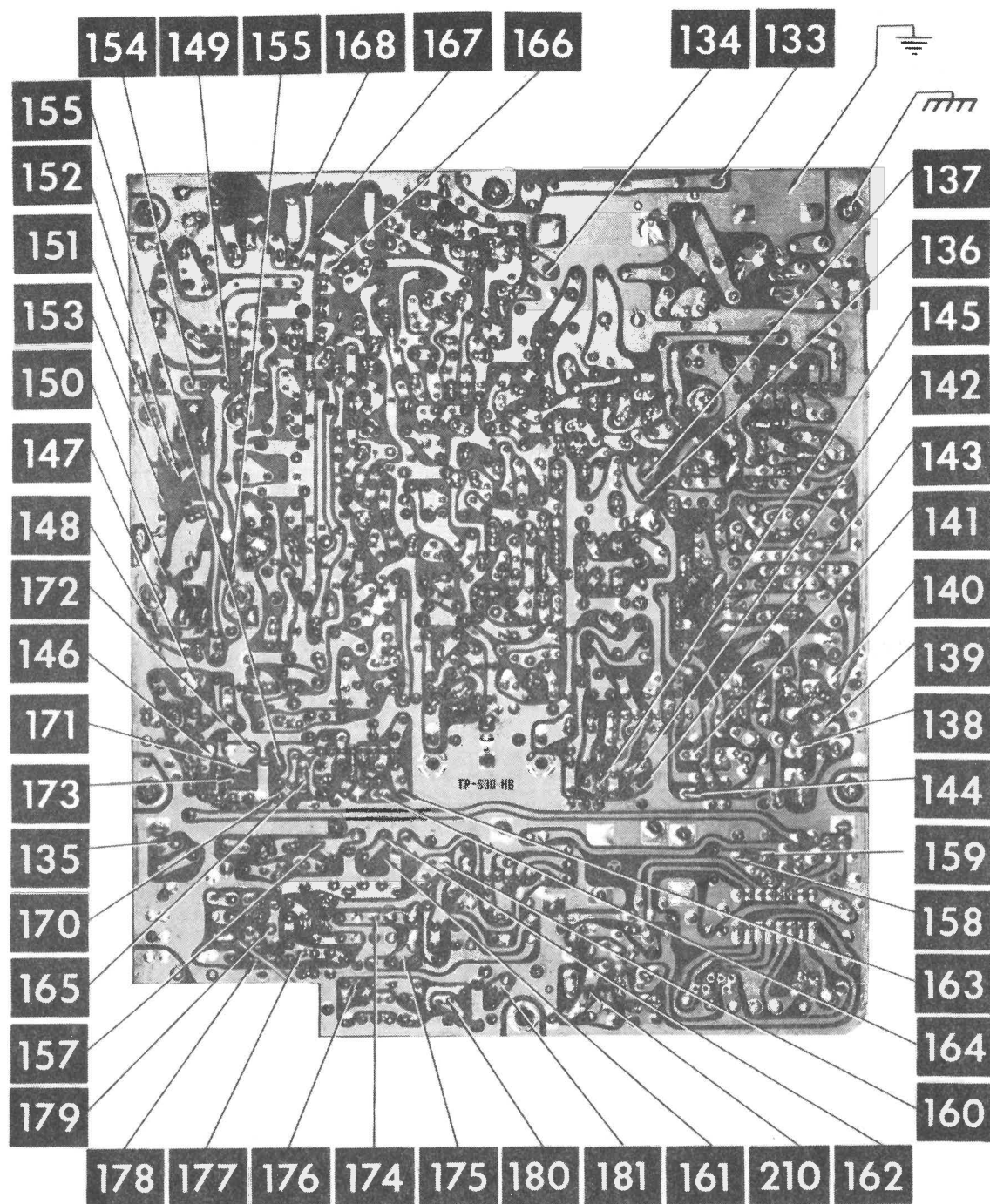


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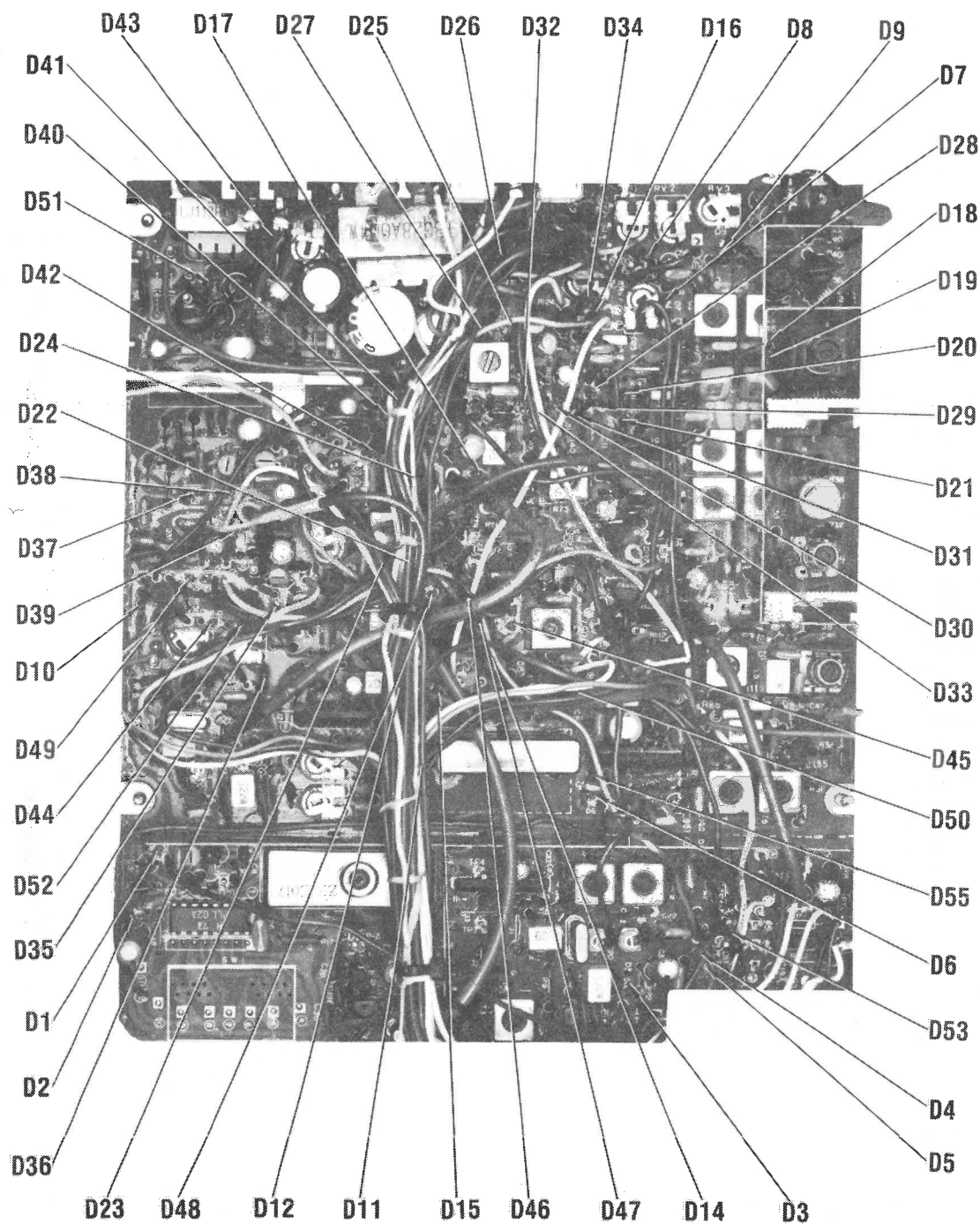


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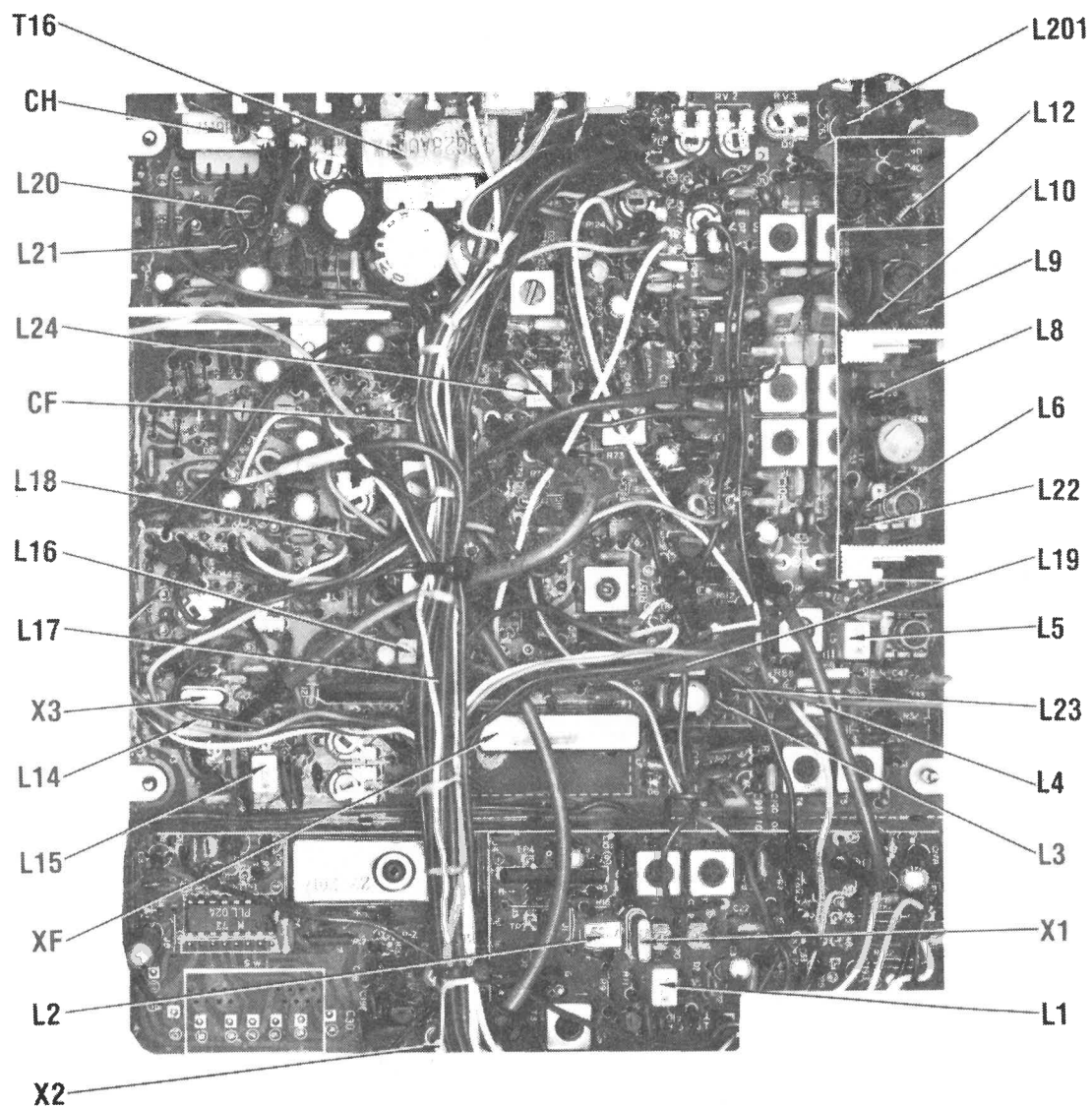
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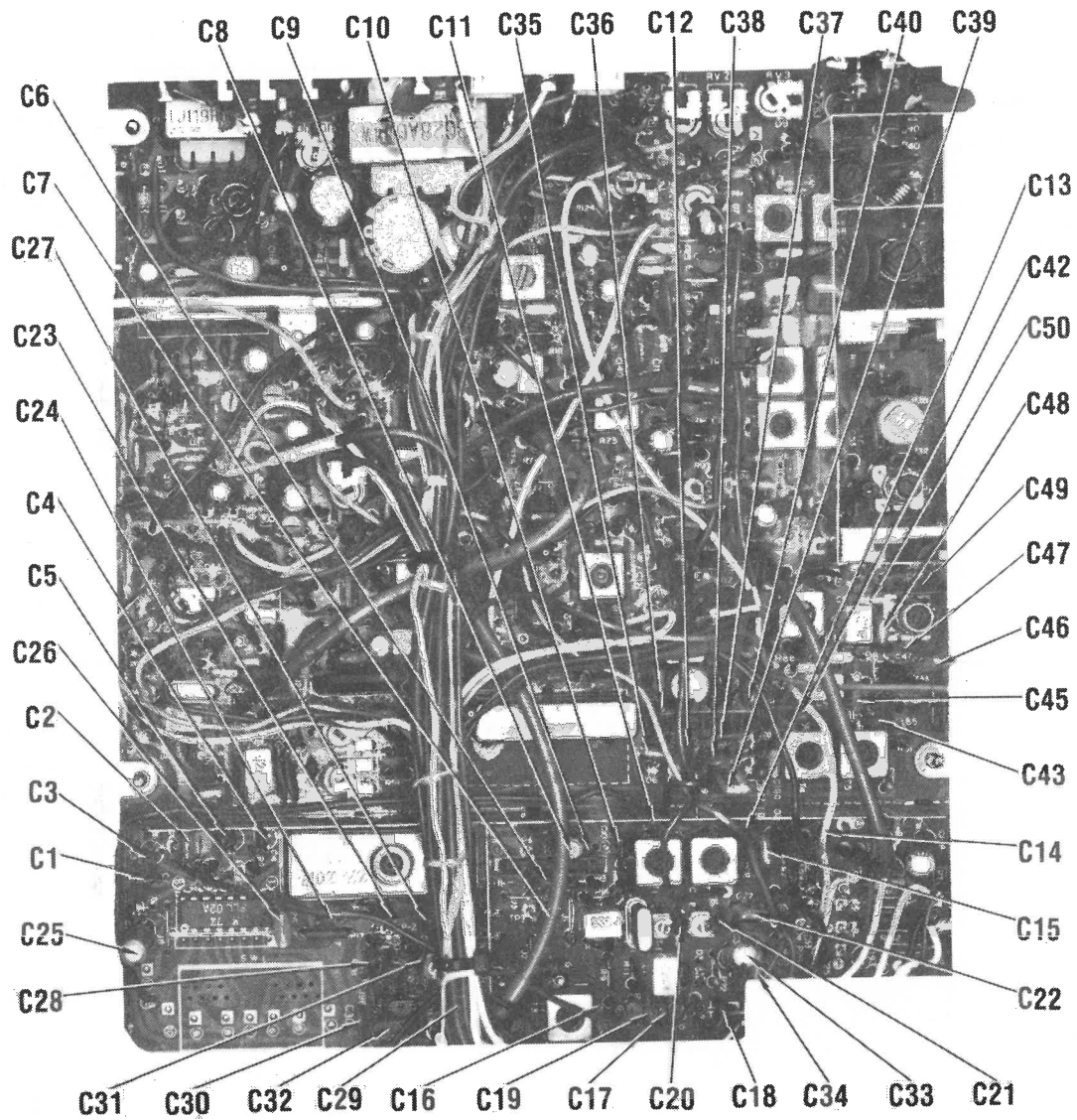
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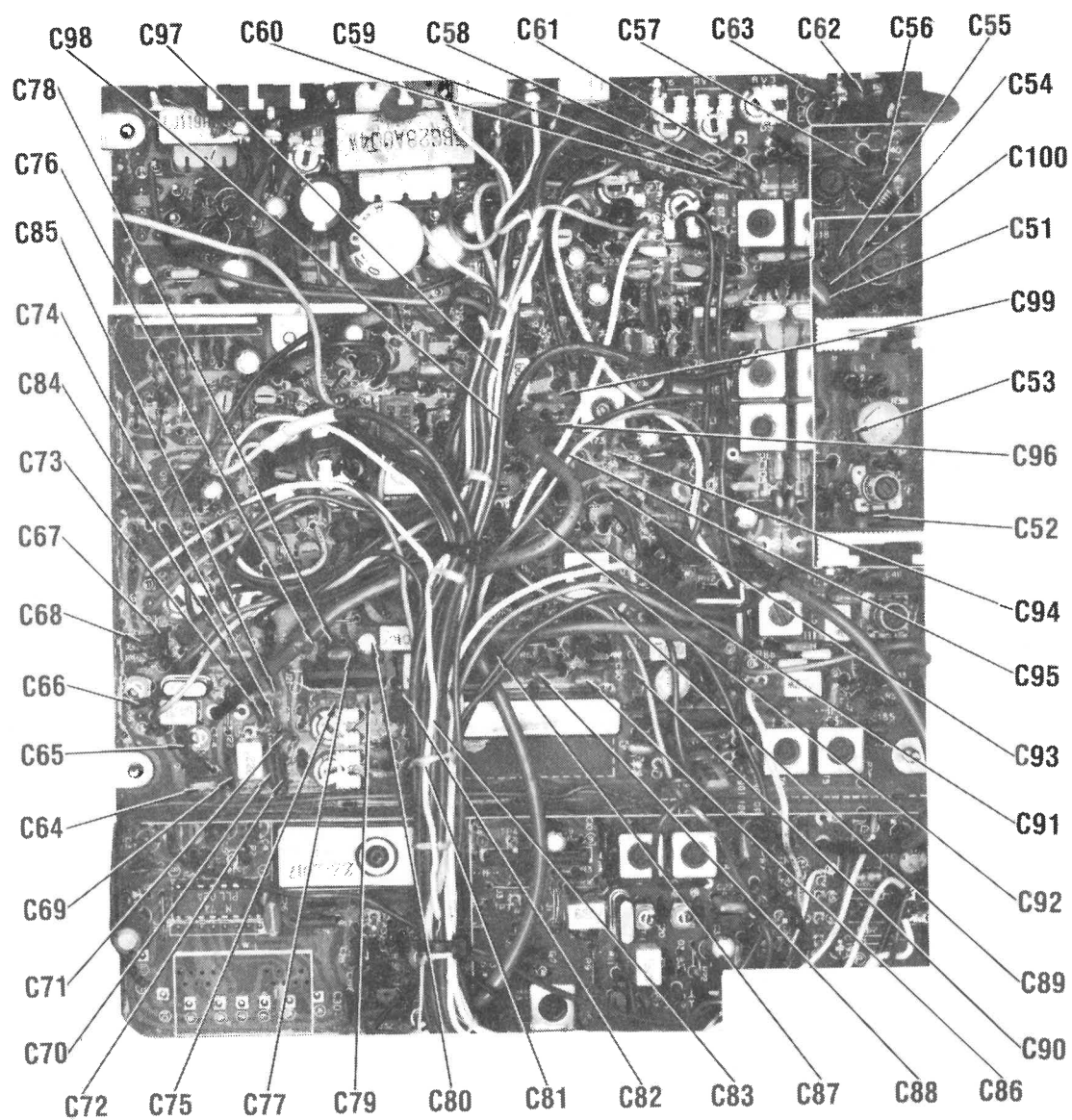
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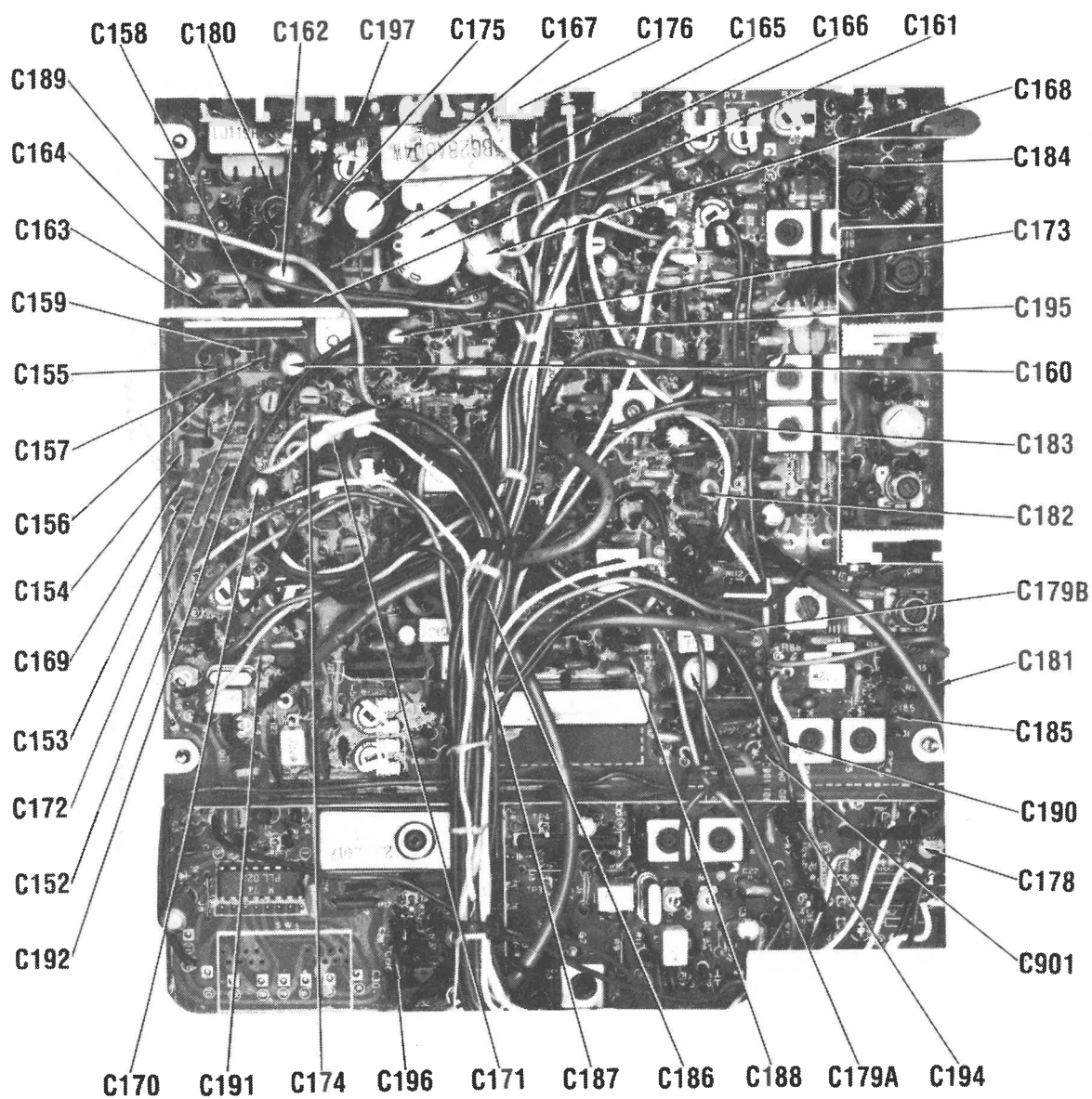
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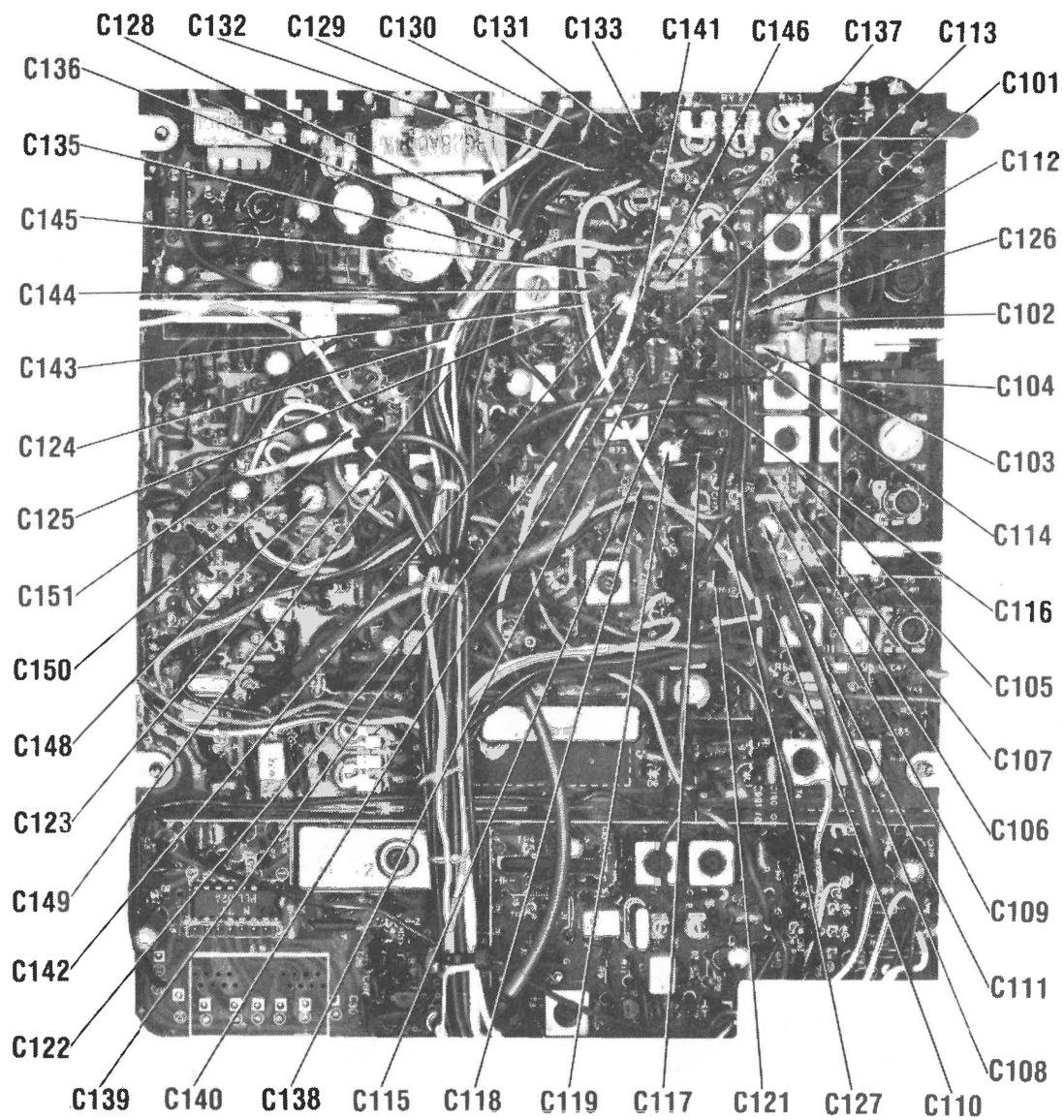
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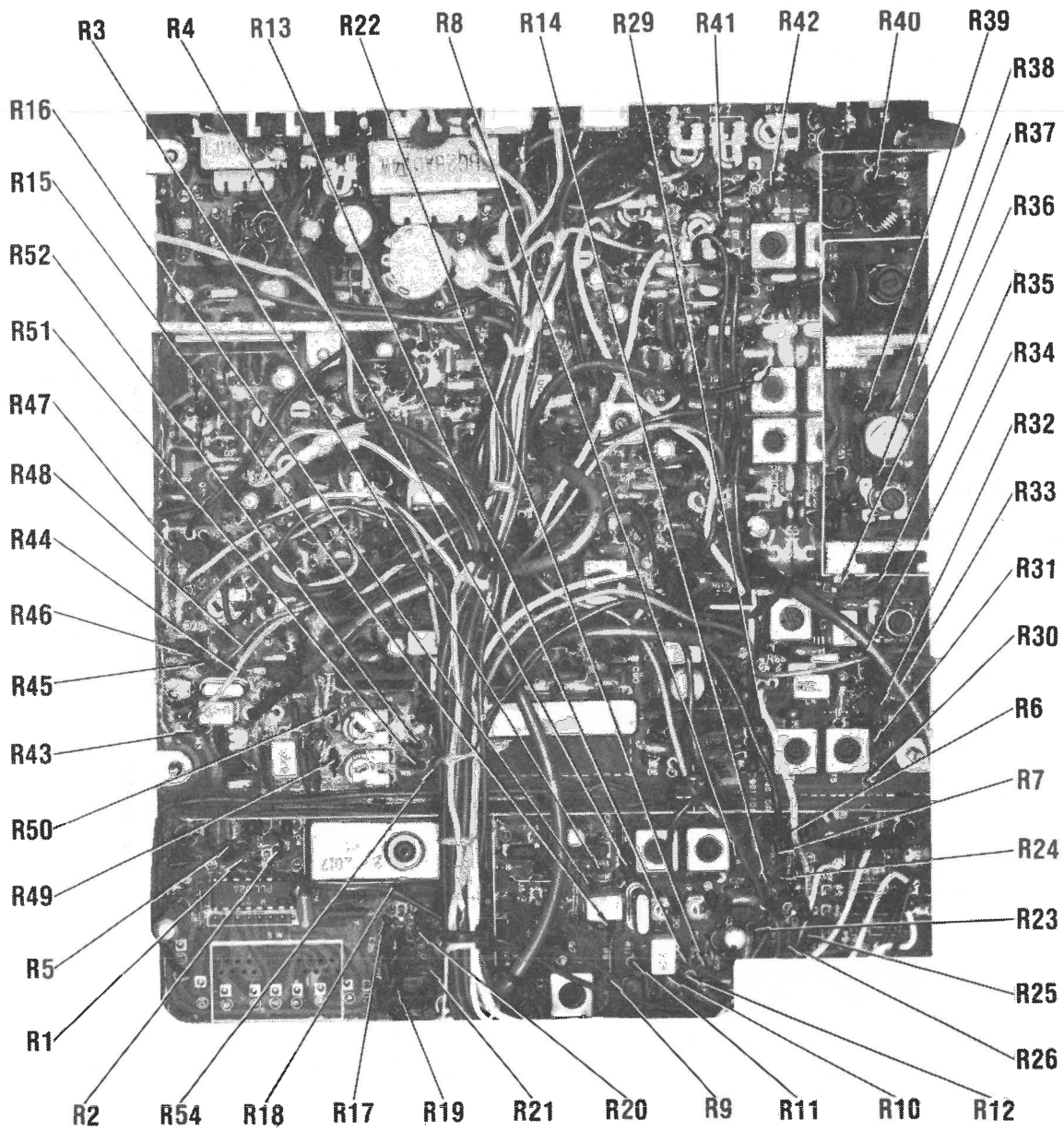
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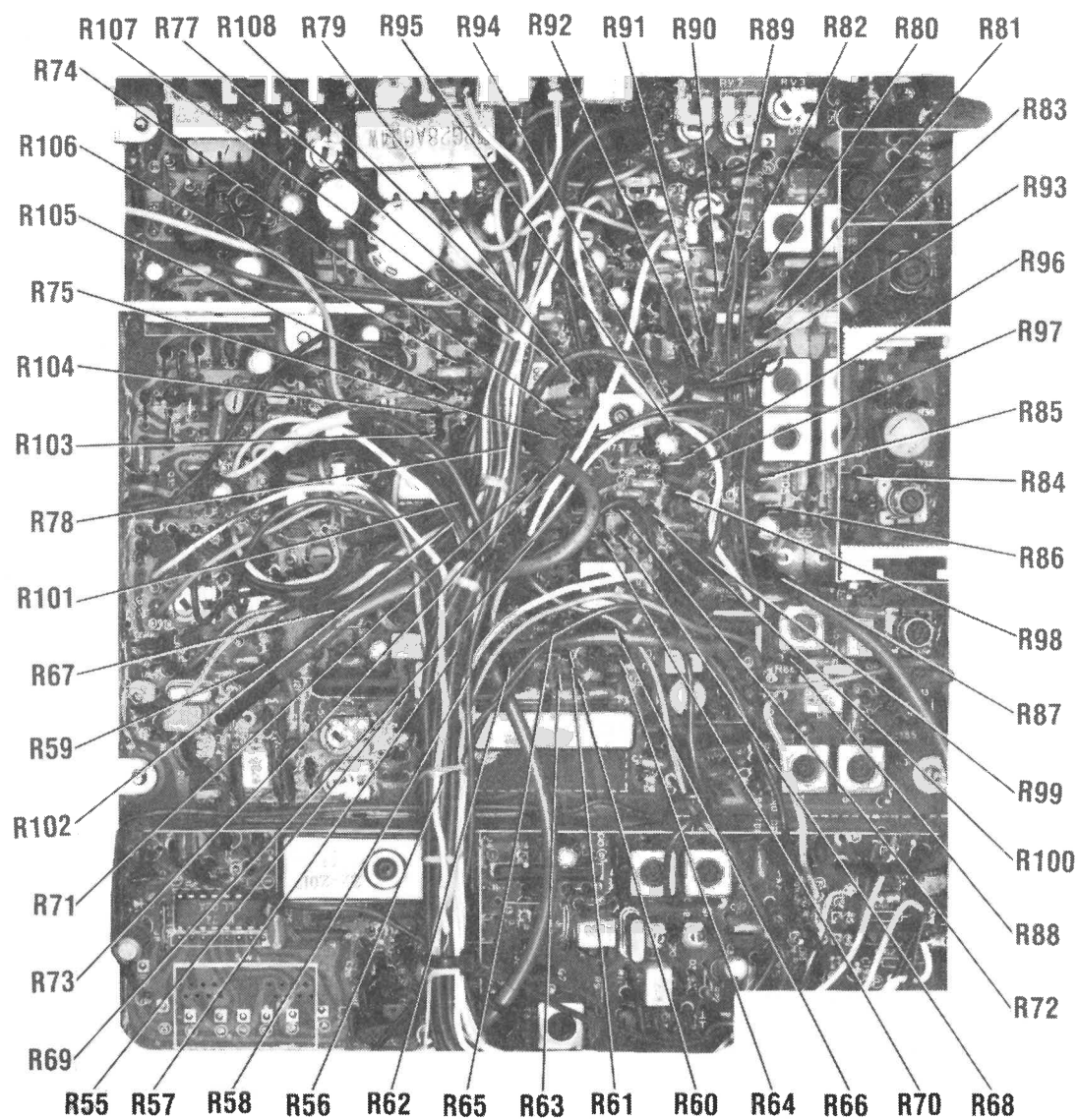
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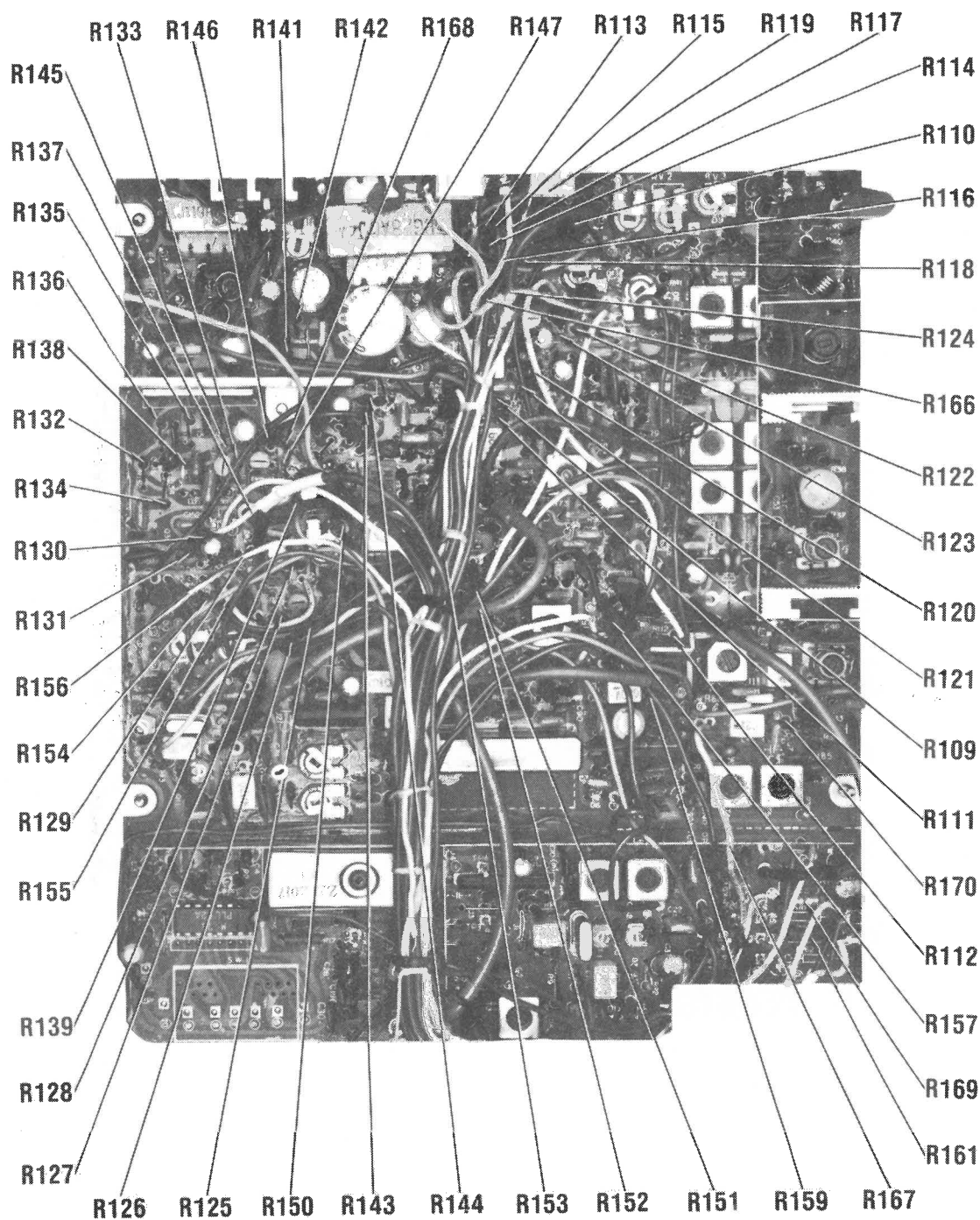
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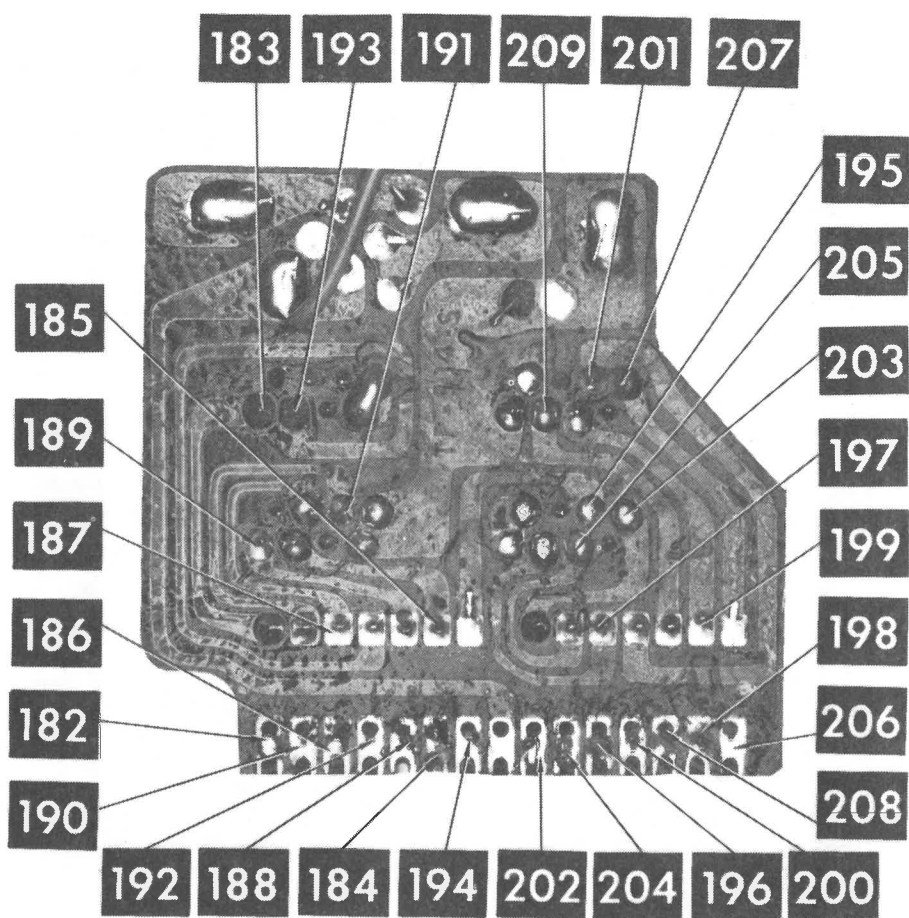
MAIN BOARD



MAIN BOARD

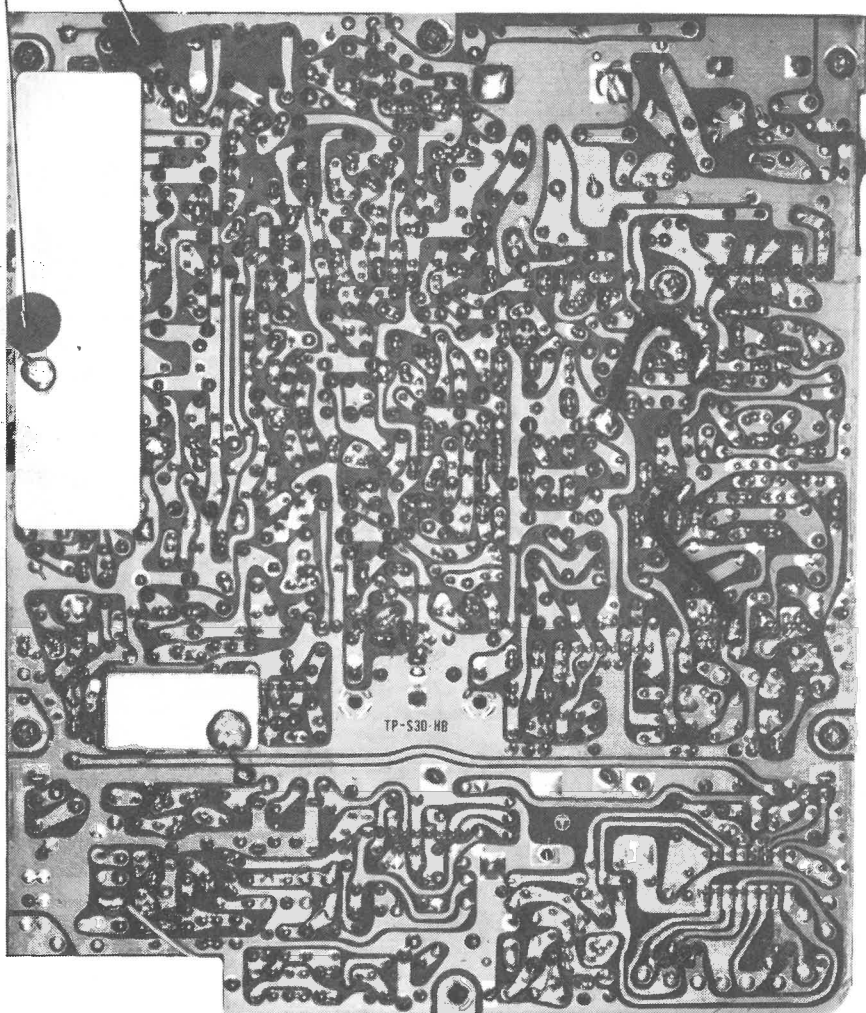


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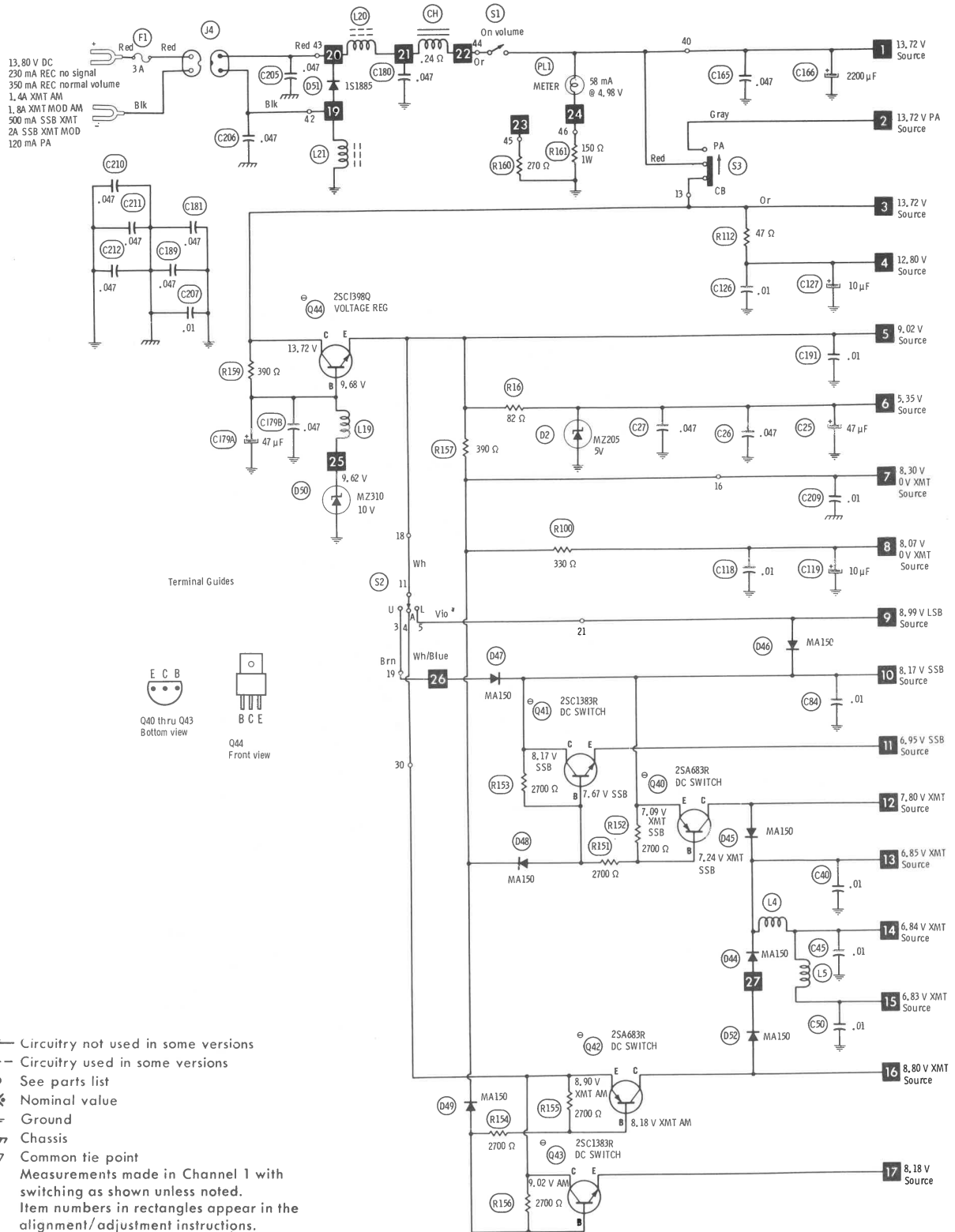


CHANNEL SELECTOR BOARD

C210 C211



SHIELD LOCATION



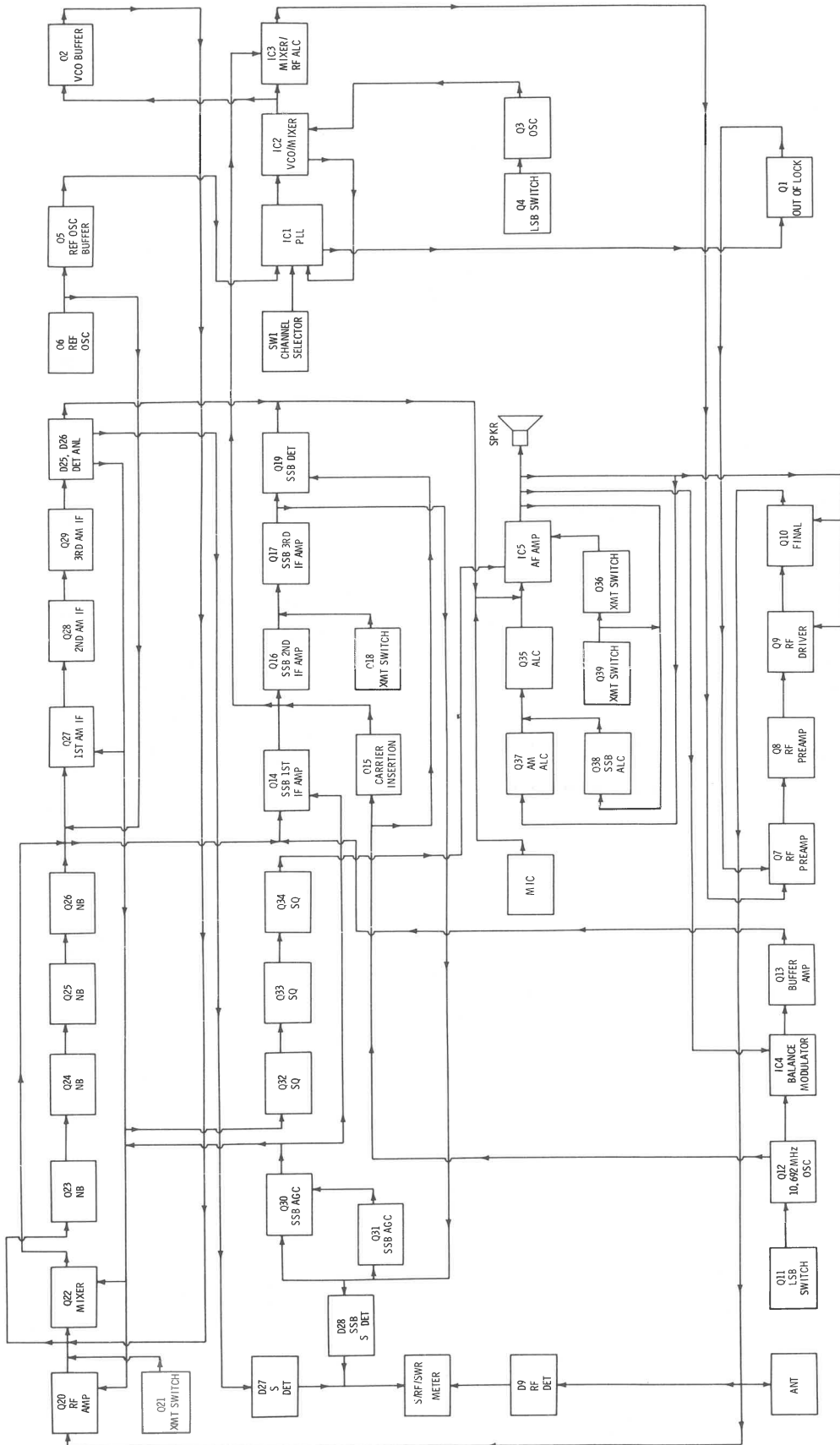
- ✖ Circuitry not used in some versions
 - Circuitry used in some versions
 - ⊖ See parts list
 - ✱ Nominal value
 - ⊕ Ground
 - ⏏ Chassis
 - ▽ Common tie point
- Measurements made in Channel 1 with switching as shown unless noted.
 Item numbers in rectangles appear in the alignment/adjustment instructions.
 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 PHOTOFAC STANDARD NOTATION SCHEMATIC
 WITH **CIRCUITRACE®**

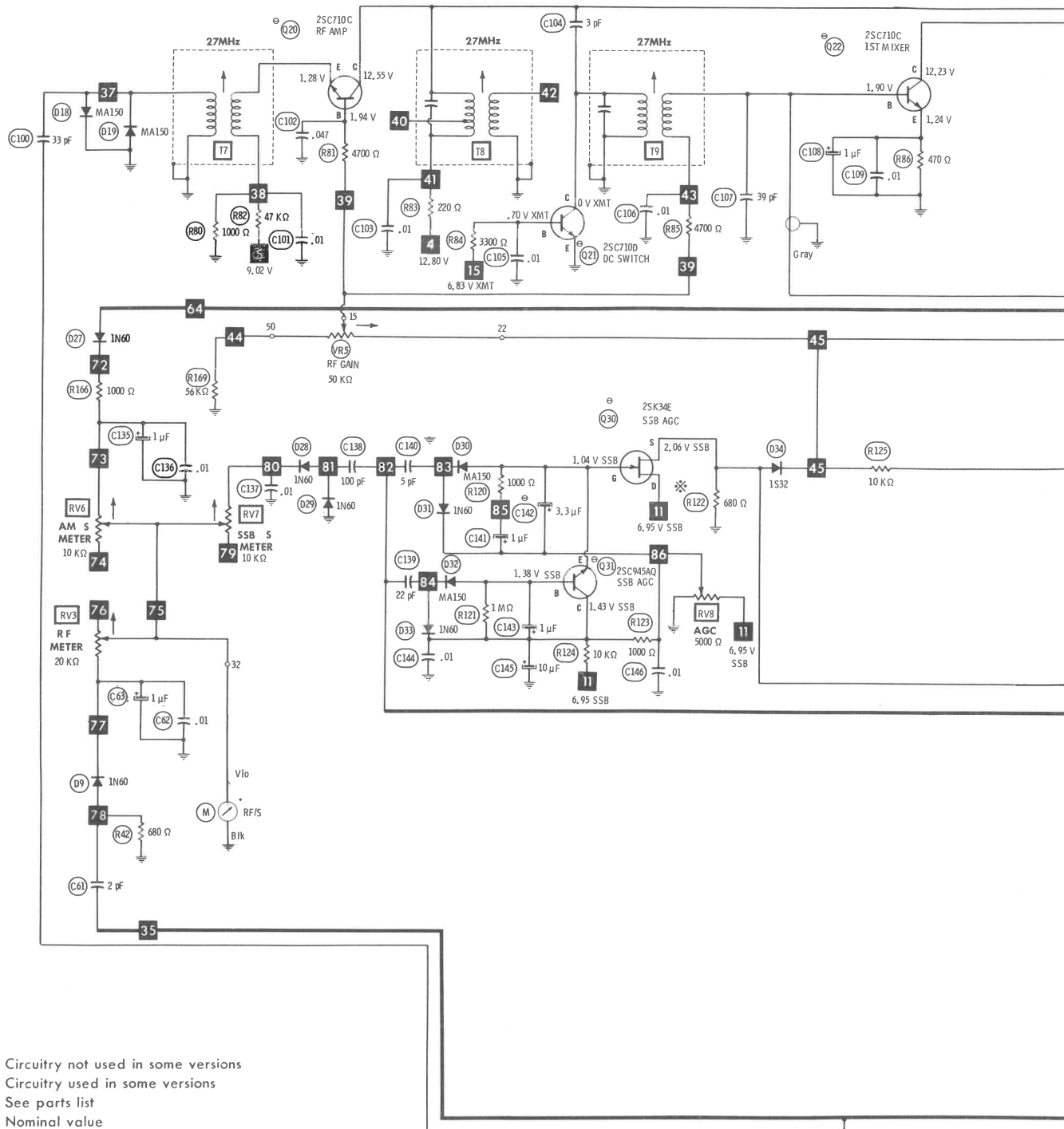
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POWER SUPPLY SCHEMATIC

COLT MODEL 485



BLOCK DIAGRAM



✕ Circuitry not used in some versions

--- Circuitry used in some versions

⊖ See parts list

⊛ Nominal value

⊕ Ground

⊞ Chassis

▽ Common tie point

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.

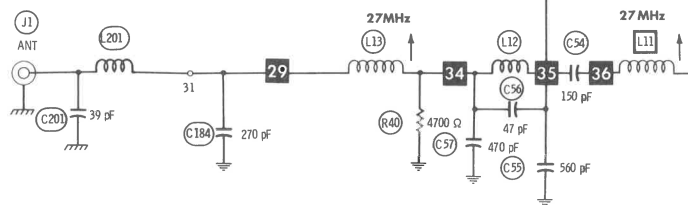
Controls adjusted for normal operation.

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Terminal identification may not be found on unit.

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

Value () used in some versions.



A PHOTOFAC STANDARD NOTATION SCHEMATIC

WITH **CircuitTrace**

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MAIN CB SCHEMATIC

ITEM No.	TYPE No.	MFG. PART No.
D1	MA150	QD-SMA150XN
D2	MZ205	QD-ZMZ205XE
D3	ITT310	QD-CTT310XQ
D4	MA150	QD-SMA150XN
D5	MA150	QD-SMA150XN
D6	MA150	QD-SMA150XN
D7	MZ205	QD-ZMZ205XE
D8	MA150	QD-SMA150XN
D9	1N60	QD-G1N60XXT
D10	MA150	QD-SMA150XN
D11	MA150	QD-SMA150XN
D12	MA150	QD-SMA150XN
D14	MA150	QD-SMA150XN
D15	MA150	QD-SMA150XN
D16	1S32	QD-G1S32XXT
D17	MA150	QD-SMA150XN
D18	MA150	QD-SMA150XN
D19	MA150	QD-SMA150XN
D20	1N60	QD-G1N60XXT
D21	1N60	QD-G1N60XXT
D22	1N60	QD-G1N60XXT
D23	1N60	QD-G1N60XXT
D24	1S32	QD-G1S32XXT
D25	1N60	QD-G1N60XXT
D26	MA150	QD-SMA150XN
D27	1N60	QD-G1N60XXT
D28	1N60	QD-G1N60XXT
D29	1N60	QD-G1N60XXT
D30	MA150	QD-SMA150XN
D31	1N60	QD-G1N60XXT
D32	MA150	QD-SMA150XN
D33	1N60	QD-G1N60XXT
D34	1S32	QD-G1S32XXT
D35	MA150	QD-SMA150XN
D36	MA150	QD-SMA150XN
D37	MA150	QD-SMA150XN
D38	MA150	QD-SMA150XN
D39	MA150	QD-SMA150XN
D40	MA150	QD-SMA150XN
D41	MA150	QD-SMA150XN
D42	MA150	QD-SMA150XN
D43	GP256	QD-SGP256AG
D45	MA150	QD-SMA150XN
D46	MA150	QD-SMA150XN
D47	MA150	QD-SMA150XN
D48	MA150	QD-SMA150XN
D49	MA150	QD-SMA150XN
D50	MZ310	QD-ZMZ310XE
D51	1S1885	QD-SS188XT
D52	MA150	QD-SMA150XN
D53	MA150	QD-SMA150XN
D55	MA150	QD-SMA150XN
IC1	PLL02A PLL02	QQ-0PLL02AN
IC2	C3001A C3001	QQ-MC3001AT
IC3	TA7310P C3001A C3001	QQ-MC3001AT QQ-MC3001AT
IC4	TA7310P AN612	QQ-MC3001AT QQ-MAN612AN
IC5	TA7205P 25C9001 25C900	QQ-M70005A QT-C0900XBA
Q2	25C710C 25C710	QT-C0710KAE
Q3	25C710D 25C710	QT-C0710XBE
Q4	25C710D 25C710	QT-C0710XBE
Q5	25C710D 25C710	QT-C0710XBE
Q6	25C710D 25C710	QT-C0710XBE
Q7	25C710D 25C710	QT-C0710XBE
Q8	25C460B 25C460A 25C460	QT-C0460XBB QT-C0460XBB



Measurements made in Channel 1 with switching as shown unless noted.
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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 in () used on some versions.

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.
Q9	2SC2166	QT-C2166XAE	GE-215	PTC186		REN 235	SK3197	RT-146	ECG235	TM235	WEP785	121-Z9039
Q10	2SC1969	QT-C1969XAE	GE-216	PTC186		REN 236	SK3197	RT-158	ECG236	TM236	WEP840	121-Z9040
Q11	2SC710D	QT-C0710XBE	GE-211*	PTC132	HEPS0016*	REN 123A*	SK3444	RT-308*	ECG123A*	TM123A*/**	WEP710	121-Z9000A
	2SC710		GE-211*	PTC132	HEPS0016*	REN 123A*	SK3444	RT-308*	ECG123A*	TM123A*/**	WEP710	121-Z9000A
Q12	2SC710D	QT-C0710XBE	GE-211*	PTC132	HEPS0016*	REN 123A*	SK3444	RT-308*	ECG123A*	TM123A*/**	WEP710	121-Z9000A
	2SC710		GE-211*	PTC132	HEPS0016*	REN 123A*	SK3444	RT-308*	ECG123A*	TM123A*/**	WEP710	121-Z9000A
Q13	2SC710C	QT-C0710XAE	GE-211*	PTC132	HEPS0016*	REN 123A*	SK3444	RT-308*	ECG123A*	TM123A*/**	WEP710	121-Z9000A
	2SC710		GE-211*	PTC132	HEPS0016*	REN 123A*	SK3444	RT-308*	ECG123A*	TM123A*/**	WEP710	121-Z9000A
Q14	2SC710C	QT-C0710XAE	GE-211*	PTC132	HEPS0016*	REN 123A*	SK3444	RT-308*	ECG123A*	TM123A*/**	WEP710	121-Z9000A
	2SC710		GE-211*	PTC132	HEPS0016*	REN 123A*	SK3444	RT-308*	ECG123A*	TM123A*/**	WEP710	121-Z9000A
Q15	2SC710C	QT-C0710XAE	GE-211*	PTC132	HEPS0016*	REN 123A*	SK3444	RT-308*	ECG123A*	TM123A*/**	WEP710	121-Z9000A
	2SC710		GE-211*	PTC132	HEPS0016*	REN 123A*	SK3444	RT-308*	ECG123A*	TM123A*/**	WEP710	121-Z9000A
Q16	2SC710C	QT-C0710XAE	GE-211*	PTC132	HEPS0016*	REN 123A*	SK3444	RT-308*	ECG123A*	TM123A*/**	WEP710	121-Z9000A
	2SC710		GE-211*	PTC132	HEPS0016*	REN 123A*	SK3444	RT-308*	ECG123A*	TM123A*/**	WEP710	121-Z9000A
Q17	2SC710C	QT-C0710XAE	GE-211*	PTC132	HEPS0016*	REN 123A*	SK3444	RT-308*	ECG123A*	TM123A*/**	WEP710	121-Z9000A
	2SC710		GE-211*	PTC132	HEPS0016*	REN 123A*	SK3444	RT-308*	ECG123A*	TM123A*/**	WEP710	121-Z9000A
Q18	2SC710D	QT-C0710XBE	GE-211*	PTC132	HEPS0016*	REN 123A*	SK3444	RT-308*	ECG123A*	TM123A*/**	WEP710	121-Z9000A
	2SC710		GE-211*	PTC132	HEPS0016*	REN 123A*	SK3444	RT-308*	ECG123A*	TM123A*/**	WEP710	121-Z9000A
Q19	2SC945AQ	QT-C0945ABA	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
Q20	2SC710C	QT-C0710XAE	GE-211*	PTC132	HEPS0016*	REN 123A*	SK3444	RT-308*	ECG123A*	TM123A*/**	WEP710	121-Z9000A
	2SC710		GE-211*	PTC132	HEPS0016*	REN 123A*	SK3444	RT-308*	ECG123A*	TM123A*/**	WEP710	121-Z9000A
Q21	2SC710D	QT-C0710XBE	GE-211*	PTC132	HEPS0016*	REN 123A*	SK3444	RT-308*	ECG123A*	TM123A*/**	WEP710	121-Z9000A
	2SC710		GE-211*	PTC132	HEPS0016*	REN 123A*	SK3444	RT-308*	ECG123A*	TM123A*/**	WEP710	121-Z9000A
Q22	2SC710C	QT-C0710XAE	GE-211*	PTC132	HEPS0016*	REN 123A*	SK3444	RT-308*	ECG123A*	TM123A*/**	WEP710	121-Z9000A
	2SC710		GE-211*	PTC132	HEPS0016*	REN 123A*	SK3444	RT-308*	ECG123A*	TM123A*/**	WEP710	121-Z9000A
Q23	2SC7630	QT-C0763XAE	GE-61*	PTC115	HEPS0020*	REN 229*	SK3018*	RT-309	ECG229*	TM229*	WEP56	121-Z9021
	2SC763		GE-61*	PTC115	HEPS0020*	REN 229*	SK3018*	RT-309	ECG229*	TM229*	WEP56	121-Z9021
Q24	2SK34C	QT-K0034XAE	GE-FET-2	PTC161	HEPF0021	REN 132	SK3448	RT-175	ECG312	TM312		121-756
	2SK34D	QT-K0034XAE	GE-FET-2	PTC161	HEPF0021	REN 132	SK3448	RT-175	ECG312	TM312		121-756
	2SK34		GE-FET-2	PTC161	HEPF0021	REN 132	SK3448	RT-175	ECG312	TM312		121-756
Q25	2SA733Q	QT-A0733XAA	GE-48	PTC127	HEPS0019*	REN 294	SK3138	RT-303	ECG294	TM294/**	WEP916	121-952
	2SA733		GE-48	PTC127	HEPS0019*	REN 294	SK3138	RT-303	ECG294	TM294/**	WEP916	121-952
Q26	2SC7630	QT-C0763XAE	GE-61*	PTC115	HEPS0020*	REN 229*	SK3018*	RT-309	ECG229*	TM229*	WEP56	121-Z9021
	2SC763		GE-61*	PTC115	HEPS0020*	REN 229*	SK3018*	RT-309	ECG229*	TM229*	WEP56	121-Z9021
Q27	2SC710C	QT-C0710XAE	GE-211*	PTC132	HEPS0016*	REN 123A*	SK3444	RT-308*	ECG123A*	TM123A*/**	WEP710	121-Z9000A
	2SC710		GE-211*	PTC132	HEPS0016*	REN 123A*	SK3444	RT-308*	ECG123A*	TM123A*/**	WEP710	121-Z9000A
Q28	2SC710C	QT-C0710XAE	GE-211*	PTC132	HEPS0016*	REN 123A*	SK3444	RT-308*	ECG123A*	TM123A*/**	WEP710	121-Z9000A
	2SC710		GE-211*	PTC132	HEPS0016*	REN 123A*	SK3444	RT-308*	ECG123A*	TM123A*/**	WEP710	121-Z9000A
Q29	2SC710D	QT-C0710XBE	GE-211*	PTC132	HEPS0016*	REN 123A*	SK3444	RT-308*	ECG123A*	TM123A*/**	WEP710	121-Z9000A
	2SC710		GE-211*	PTC132	HEPS0016*	REN 123A*	SK3444	RT-308*	ECG123A*	TM123A*/**	WEP710	121-Z9000A
Q30	2SK34E	QT-K0034XBE	GE-FET-2	PTC161	HEPF0021	REN 132	SK3448	RT-175	ECG312	TM312		121-756
	2SK34		GE-FET-2	PTC161	HEPF0021	REN 132	SK3448	RT-175	ECG312	TM312		121-756
Q31	2SC945AQ	QT-C0945ABA	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
Q32	2SA733Q	QT-A0733XAA	GE-48	PTC127	HEPS0019*	REN 294	SK3138	RT-303	ECG294	TM294/**	WEP916	121-952
	2SA733		GE-48	PTC127	HEPS0019*	REN 294	SK3138	RT-303	ECG294	TM294/**	WEP916	121-952
Q33	2SC945AQ	QT-C0945AEA	GE-212	PTC121*	HEPS0015*	REN 199	SK3124	RT-107A	ECG199	TM199/**	WEP1945	121-972
	2SC945AP		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
Q34	2SC945AQ	QT-C0945AEA	GE-212	PTC121*	HEPS0015*	REN 199	SK3124	RT-107A	ECG199	TM199/**	WEP1945	121-972
	2SC945AP		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
Q35	2SC900U	QT-C0900XCA	GE-62	PTC139*	HEPS0015*	REN 199	SK3124	RT-302	ECG199	TM199/**	WEP66	121-972
	2SC900		GE-62	PTC139*	HEPS0015*	REN 199	SK3124	RT-302	ECG199	TM199/**	WEP66	121-972
Q36	2SC945AQ	QT-C0945AEA	GE-212	PTC121*	HEPS0015*	REN 199	SK3124	RT-107A	ECG199	TM199/**	WEP1945	121-972
	2SC945AP		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
Q37	2SA719Q	QT-A0719XAN	GE-269	PTC103*	HEPS0019*	REN 290	SK3114	RT-305	ECG290	TM290/**	WEP911	121-1019
	2SA719		GE-269	PTC103*	HEPS0019*	REN 290	SK3114	RT-305	ECG290	TM290/**	WEP911	121-1019
Q38	2SA719Q	QT-A0719XAN	GE-269	PTC103*	HEPS0019*	REN 290	SK3114	RT-305	ECG290	TM290/**	WEP911	121-1019
	2SA719		GE-269	PTC103*	HEPS0019*	REN 290	SK3114	RT-305	ECG290	TM290/**	WEP911	121-1019
Q39	2SC945AQ	QT-C0945AEA	GE-212	PTC121*	HEPS0015*	REN 199	SK3124	RT-107A	ECG199	TM199/**	WEP1945	121-972
	2SC945AP		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
Q40	2SA683R	QT-A0683XBN	GE-48	PTC143*	HEPS3001*	REN 293	SK3024*	RT-302	ECG293	TM293	WEP912	
	2SA683		GE-48	PTC143*	HEPS3001*	REN 293	SK3024*	RT-302	ECG293	TM293	WEP912	
Q41	2SC1383R	QT-C1383XDN	GE-47	PTC143*	HEPS3001*	REN 293	SK3024*	RT-302	ECG293	TM293	WEP912	
	2SC1383		GE-47	PTC143*	HEPS3001*	REN 293	SK3024*	RT-302	ECG293	TM293	WEP912	
Q42	2SA683R	QT-A0683XBN	GE-48	PTC143*	HEPS3001*	REN 293	SK3024*	RT-302	ECG293	TM293	WEP912	
	2SA683		GE-48	PTC143*	HEPS3001*	REN 293	SK3024*	RT-302	ECG293	TM293	WEP912	
Q43	2SA1383R	QT-C1383XDN	GE-47	PTC143*	HEPS3001*	REN 293	SK3024*	RT-302	ECG293	TM293	WEP912	
	2SC1383		GE-47	PTC143*	HEPS3001*	REN 293	SK3024*	RT-302	ECG293	TM293	WEP912	
Q44	2SC1398Q		GE-28	PTC110	HEPS5027	REN 186	SK3197	RT-197	ECG186	TM186/**	WEP751	121-Z9008
	2SC1398		GE-28	PTC110	HEPS5027	REN 186	SK3197	RT-197	ECG186	TM186/**	WEP751	121-Z9008
	2SC325D,E	QT-D0325XCC	GE-28	PTC110	HEPS5027	REN 186	SK3197	RT-197	ECG186	TM186/**	WEP751	121-Z9008

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

COLT MODEL 485

PARTS LIST AND DESCRIPTION (CONTINUED)

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

ELECTROLYTIC CAPACITORS

ITEM No.	RATING	REPLACEMENT DATA				
		MFR. PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.	
					Q-LINE	GENERAL LINE
C3	.1 35V	CS-SFOR1MDC		TDC104M050EL	QDT1-2	SD50-R109
C4	.22 35V	CS-SFR22MDC		TDC224M050EL	QDT1-10	SD50-R229
C5	10 16V	CS-SD100MDC		TDC106M025FL	QDT1-64	SD25-109
C8	1 50V	CE-EG010ALX	PC1-50	VTT1A50	QV1-11	EV-1615
C25	47 6.3V	CE-EB470ALX	PC50-10	VTT47B10	QV1-71	EV-1026
C33	1 50V	CE-EG010ALX	PC1-50	VTT1A50	QV1-11	EV-1615
C58	.22 35V	CS-SFR22MDC		TDC224M050EL	QDT1-10	SD50-R229
C63	1 50V	CE-EG010ALX	PC1-50	VTT1A50	QV1-11	EV-1615
C76	.22 35V	CS-SFR22MDC		TDC224M050EL	QDT1-10	SD50-R229
C78	.22 35V	CS-SFR22MDC		TDC224M050EL	QDT1-10	SD50-R229
C80	10 16V	CE-ED100ALX	PC10-25	VTT10B25	QV1-41	EV-1222
C87	.22 35V	CS-SFR22MDC		TDC224M050EL	QDT1-10	SD50-R229
C97	33 6.3V	CE-EB330ALX	PC30-25	VTT33B10	QV1-61	EV-1125
C108	1 50V	CE-EG010ALX	PC1-50	VTT1A50	QV1-11	EV-1615
C119	10 16V	CE-ED100ALX	PC10-25	VTT10B25	QV1-41	EV-1222
C127	10 16V	CS-SD100MDN		TDC106M025FL	QDT1-64	SD25-109
C129	3.3 25V	CE-EE3R3ALX	PC5-50	VTT3R3A50	QV1-23	EV-1318
C131	4.7 25V	CE-EE4R7ALX	PC5-50	VTT4R7B50	QV1-27	EV-1319
C135	1 50V	CE-CG010ALX	PC1-50	VTT1A50	QV1-11	EV-1615
C141	1 25V	CS-SE010MDC		TDC105M035EL		SD35-19
C142	3.3 25V	CE-EE3R3ALX	PC5-50	VTT3R3A50	QV1-23	EV-1318
C143	1 25V	CS-SE010MDC		TDC105M035EL		SD35-19
C145	10 16V	CE-ED100ALX	PC10-25	VTT10B25	QV1-41	EV-1222
C148	47 10V	CE-EC470ALX	PC50-16	VTT47D16	QV1-73	EV-1226
C150	4.7 25V	CE-EE4R7ALX	PC5-50	VTT4R7B50	QV1-27	EV-1319
C156	3.9 10V	CS-SC3R9MDC		TDC475M035FL	QDT1-44	SD15-3R99
C160	33 6.3V	CE-EB330ALX	PC30-25	VTT33B10	QV1-61	EV-1125
C162	47 16V	CE-ED470ALX	PC50-16	VTT47D16	QV1-73	EV-1226
C164	1 50V	CE-EG010ALX	PC1-50	VTT1A50	QV1-11	EV-1615
C166	2200 16V	CE-ED222ALX	WBR2000-16	TC1520C	QE1-627	TVA-1170
C167	330 16V	CE-ED331ALX	WBR300-35*	VTT330H16	QV1-133	EV-1245
C168	100 16V	CE-ED101ALX	PC100-16	VTT100F16	QV1-95	EV-1230
C170	.47 50V	CE-EGR47ALX	PC1-50	VTT47A63	QV1-3	EV-1610
C171	47 6.3V	CE-EB470ALX	PC50-10	VTT47B10	QV1-71	EV-1026
C173	1 50V	CE-EG010ALX	PC1-50	VTT1A50	QV1-11	EV-1615
C175	2.2 25V	CE-EE2R2ALX	PC2-100	VTT2R2A50	QV1-19	EV-1517
C176	47 16V	CE-ED470ALX	PC50-16	VTT47D16	QV1-73	EV-1226
C178	33 16V	CE-ED330ALX	PC30-25	VTT33D25	QV1-63	EV-1325
C179A	47 16V	CE-ED470ALX	PC50-16	VTT47D16	QV1-73	EV-1226
C182	.47 50V	CE-EGR47ALX	PC1-50	VTT47A63	QV1-3	EV-1610
C901	.22 35V	CS-SFR22MDC		TDC224M050EL	QDT1-10	SD50-R229

* Axial replacement for radial device.

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
C1	.0047 50V 10%			WMF1D47	M192P4729R8	QFT2-63	1FT-D47
C2	.022 50V 10%			DPMS2S22	M192P2239R8	QFT2-127	1FT-S22
C6	33 N150 10%	CC-CB330KPM			*		10TCP-Q33
C7	12 N150	CC-CB120KPM			*		10TCP-Q12
C9	.001 10%			DPMS6D1	M192P10292	QFT2-1	1FT-D10
C10	.0012 10%			DPMS6D12	PVC6212		6PS-D12
C11	2 N150	CC-CB020CPM			*		10TCP-V22
C12	33 N150 10%	CC-CB330KPM			*		10TCP-Q33
C13	33 N150 10%	CC-CB330KPM			*		10TCP-Q33
C14	10 N150	CC-CB100DPM			*		10TCP-Q10
C15	.01 50V 10%			WMF1S1	M192P1039R8	QFT2-91	1FT-S10
C16	.01 50V 10%			WMF1S1	M192P1039R8	QFT2-91	1FT-S10
C17	33 N150	CC-CB330KPM			*		10TCP-Q33
C18	.001 10%			DPMS6D1	M192P10292	QFT2-1	1FT-D10
C19	220 N150	CC-CB221KPM			*		10TCP-T22
C20	22 NP0		DTZ-22	NP022	CN0422		10TCC-Q22
C21	15 NP0		DTZ-15	NP015	CN0415		10TCC-Q15
C22	.01 50V 10%			WMF1S1	M192P1039R8	QFT2-91	1FT-S10
C23	.001 50V 10%			DPMS6D1	M192P10292	QFT2-1	1FT-D10
C24	68 N150 10%	CC-CB680KPM			*		10TCP-Q68
C26	.047 50V 10%			DPMS2S47	M192P4739R8	QFT2-171	1FT-S47
C27	.047		UK25-503		MAG2515		HY-735
C28	.001 50V 10%			DPMS6D1	M192P10292	QFT2-1	1FT-D10
C29	5 N150	CC-CB050DPM			*		10TCP-V50
C30	68 N150 10%	CC-CB680KPM			*		10TCP-Q68
C31	27 NP0				CN0427		10TCC-Q27
C32	560 10%		DD-561		GP356		10TS-T56
C34	.01 50V 10%			WMF1S1	M192P1039R8	QFT2-91	1FT-S10
C35	.01 50V 10%			WMF1S1	M192P1039R8	QFT2-91	1FT-S10
C36	150 N150 10%	CC-CB151KPM			*		10TCP-T15
C37	82 N150 10%	CC-CB820KPM			*		10TCP-Q82
C38	56 N150 10%	CC-DB560KPM			*		10TCP-Q56
C39	.01 50V 10%			WMF1S1	M192P1039R8	QFT2-91	1FT-S10
C40	.01 50V 10%			WMF1S1	M192P1039R8	QFT2-91	1FT-S10
C42	3 N150	CC-CB030CPM			*		10TCP-V30

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
C43	47 N150 10%	CC-CB470KPM	DD-391	WMF1S1	*	QFT2-91	10TCP-Q47
C45	.01 50V 10%			WMF1S1	M192P1039R8	QFT2-91	1FT-S10
C46	.01 50V 10%				M192P1039R8		1FT-S10
C47	47 N150 10%	CC-CB470KPM		WMF1S1	M192P1039R8	QFT2-91	10TCP-Q47
C48	.01 50V 10%			GP390	GP339		1FT-S10
C49	390 10%			WMF1S1	M192P1039R8	QFT2-91	10TS-T39
C50	.01 50V 10%			DPMS2S47	M192P4739R8	QFT2-171	1FT-S10
C51	.047 50V 10%				*		1FT-S47
C52	82 N150 10%	CC-CB820KPM			*		10TCP-Q82
C53	220 N150 10%	CC-CB221KPM			*		10TCP-T22
C54	150 N150 10%	CC-CB151KPM	DD-561		*		10TCP-T15
C55	560 10%				GP356		10TS-T56
C56	47 N150 10%	CC-CB470KPM			*		10TCP-Q47
C57	470 10%			GP470	GP347		10TS-T47
C59	.01 50V 10%			WMF1S1	M192P1039R8	QFT2-91	1FT-S10
C60	5 N150 10%	CC-CB050DPM			*		10TCP-V50
C61	2 N150 10%	CC-CB020CPM			*		10TCP-V22
C62	.01 50V 10%			WMF1S1	M192P1039R8	QFT2-91	1FT-S10
C64	.01 50V 10%			WMF1S1	M192P1039R8	QFT2-91	1FT-S10
C65	39 NPO 10%				CN0439		10TCC-Q39
C66	10 NPO 10%		DTZ-10	NP010	CN0410		10TCC-Q10
C67	.001 50V 10%			DPMS6D1	M192P10292	QFT2-1	1FT-D10
C68	22 N150 10%	CC-CB220KPM			*		10TCP-Q22
C69	220 N150 10%	CC-CB221KPM			*		10TCP-T22
C70	220 N150 10%	CC-CB221KPM			*		10TCP-T22
C71	8 N150 10%	CC-CB080DPM			*		10TCP-V82
C72	100 N150 10%	CC-CB101KPM			*		10TCP-T10
C73	33 N150 10%	CC-CB330KPM			*		10TCP-Q33
C74	22 N150 10%	CC-CB220KPM			*		10TCP-Q22
C75	.01 50V 10%			WMF1S1	M192P1039R8	QFT2-91	1FT-S10
C77	.01 50V 10%			WMF1S1	M192P1039R8	QFT2-91	1FT-S10
C79	.01 50V 10%			WMF1S1	M192P1039R8	QFT2-91	1FT-S10
C81	.01 50V 10%			WMF1S1	M192P1039R8	QFT2-91	1FT-S10
C82	.01 50V 10%			WMF1S1	M192P1039R8	QFT2-91	1FT-S10
C83	.01 50V 10%			WMF1S1	M192P1039R8	QFT2-91	1FT-S10
C84	.01 50V 10%			WMF1S1	M192P1039R8	QFT2-91	1FT-S10
C85	.01 50V 10%			WMF1S1	M192P1039R8	QFT2-91	1FT-S10
C86	.01 50V 10%			WMF1S1	M192P1039R8	QFT2-91	1FT-S10
C88	.01 50V 10%			WMF1S1	M192P1039R8	QFT2-91	1FT-S10
C89	.01 50V 10%			WMF1S1	M192P1039R8	QFT2-91	1FT-S10
C90	.01 50V 10%			WMF1S1	M192P1039R8	QFT2-91	1FT-S10
C91	.01 50V 10%			WMF1S1	M192P1039R8	QFT2-91	1FT-S10
C92	.01 50V 10%			WMF1S1	M192P1039R8	QFT2-91	1FT-S10
C93	.01 50V 10%			WMF1S1	M192P1039R8	QFT2-91	1FT-S10
C94	.01 50V 10%			WMF1S1	M192P1039R8	QFT2-91	1FT-S10
C95	6 N150	CC-CB060DPM			*		10TCP-V68
C96	33 N150 10%	CC-CB330KPM			*		10TCP-Q33
C98	.001 50V 10%			DPMS6D1	M192P10292	QFT2-1	1FT-D10
C99	.01 50V 10%			WMF1S1	M192P1039R8	QFT2-91	1FT-S10
C100	33 N150 10%	CC-CB330KPM			*		10TCP-Q33
C101	.01 50V 10%			WMF1S1	M192P1039R8	QFT2-91	1FT-S10
C102	.047 50V 10%			DPMS2S47	M192P4739R8	QFT2-171	1FT-S47
C103	.01 50V 10%			WMF1S1	M192P1039R8	QFT2-91	1FT-S10
C104	3 N150	CC-CB030CPM			*		10TCP-V30
C105	.01 50V 10%			WMF1S1	M192P1039R8	QFT2-91	1FT-S10
C106	.01 50V 10%			WMF1S1	M192P1039R8	QFT2-91	1FT-S10
C107	39 N150	CC-CB390KPM			*		10TCP-Q39
C109	.01 50V 10%			WMF1S1	M192P1039R8	QFT2-91	1FT-S10
C110	.01 50V 10%			WMF1S1	M192P1039R8	QFT2-91	1FT-S10
C111	.01 50V 10%			WMF1S1	M192P1039R8	QFT2-91	1FT-S10
C112	5 N150	CC-CB050DPM	DTZ-220		*		10TCP-V50
C113	220 10%						10TCC-T22
C114	.0047 50V 10%			WMF1D47	M192P4729R8	QFT2-63	1FT-D47
C115	.001 50V 10%			DPMS6D1	M192P10292	QFT2-1	1FT-D10
C116	.033 50V 10%			DPMS6S33	M192P3339R8	QFT2-149	1FT-S33
C117	.0047 50V 10%			WMF1D47	M192P4729R8	QFT2-63	1FT-D47
C118	.01 50V 10%			WMF1S1	M192P1039R8	QFT2-91	1FT-S10
C121	.001 50V 10%			DPMS6D1	M192P10292	QFT2-1	1FT-D10
C122	27 N150	CC-CB270KPM			*		10TCP-Q27
C123	.033 50V 10%			DPMS6S33	M192P3339R8	QFT2-149	1FT-S33

COLT MODEL 485

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
C124	.01 50V 10%	CC-CB101KPM CC-CB220KPM CC-CB050DPM	DTZ-220	WMF1S1	M192P1039R8	QFT2-91	1FT-S10
C125	.033 50V 10%			DPMS6S33	M192P1039R8	QFT2-149	1FT-S33
C126	.01 50V 10%			WMF1S1	M192P1039R8	QFT2-91	1FT-S10
C128	.0047 50V 10%			WMF1D47	M192P4729R8	QFT2-63	1FT-D47
C130	.033 50V 10%			DPMS6S33	M192P3339R8	QFT2-149	1FT-S33
C132	.0047 50V 10%			WMF1D47	M192P4729R8	QFT2-63	1FT-D47
C133	220						10TCC-T22
C136	.01 50V 10%			WMF1S1	M192P1039R8	QFT2-91	1FT-S10
C137	.01 50V 10%			WMF1S1	M192P1039R8	QFT2-91	1FT-S10
C138	100 N150 10%				*		10TCP-T10
C139	22 N150 10%	CC-CB221KPM CC-CB180KPM CC-CB180KPM	DTZ-220		*		10TCP-Q22
C140	5 N150				*		10TCP-V50
C144	.01 50V 10%			WMF1S1	M192P1039R8	QFT2-91	1FT-S10
C146	.01 50V 10%			WMF1S1	M192P1039R8	QFT2-91	1FT-S10
C149	.01 50V 10%			WMF1S1	M192P1039R8	QFT2-91	1FT-S10
C151	.0022 50V 10%			DPMS6D22	M192P2229R8	QFT2-27	1FT-D22
C152	.022 50V 10%			DPMS2S22	M192P2239R8	QFT2-127	1FT-S22
C153	220 10%						10TCC-T22
C154	.01 50V 10%			WMF1S1	M192P1039R8	QFT2-91	1FT-S10
C155	.022 50V 10%			DPMS2S22	M192P2239R8	QFT2-127	1FT-S22
C157	68 10%	CC-CB390KPM CC-CB221KPM CC-CB180KPM CC-CB180KPM	DTZ-68	NP068	CN0468		10TCC-Q68
C158	150 10%				CN0315		10TCC-T15
C159	68 10%		DTZ-150	NP068	CN0468		10TCC-Q68
C161	.068 50V 10%			WMF1S68	EW1A168	QF1-195	1PB-S68
C163	100 10%		DTZ-100	NP0100	CN0310		10TCC-T10
C165	.047				MAG2515		HY-735
C169	.01 50V 10%		UK25-503	WMF1S1	M192P1039R8	QFT2-91	1FT-S10
C172	.01 50V 10%			WMF1S1	M192P1039R8	QFT2-91	1FT-S10
C174	.01 50V 10%		UK25-503	WMF1S1	M192P1039R8	QFT2-91	1FT-S10
C179B	.047				MAG2515		HY-735
C180	.047	CC-DB390KPM	UK25-503		MAG2515		HY-735
C181	.047				MAG2515		HY-735
C183	.001 50V 10%		DTZ-270	DPMS6D1	M192P10292	QFT2-1	1FT-D10
C184	270 10%						10TCC-T27
C185	39 N150 10%		UK25-503		*		10TCP-Q39
C186	220 N150 10%				*		10TCP-T22
C187	18 N150		UK25-503		*		10TCP-Q18
C188	18 N150				*		10TCP-Q18
C189	.047		145	WMF1S1	MAG2515		HY-735
C190	.01 50V 10%			WMF1S1	M192P1039R8	QFT2-91	1FT-S10
C191	.01 50V 10%	CT-Z7200H01 CT-Z7200H01 CT-Z7200H01 CT-Z7250H01 CT-Z7200H01	145	DPMS2S47	M192P4739R8	QFT2-171	1FT-S47
C192	.047 50V 10%			NP0100	CN0310		10TCC-T10
C194	100 10%		142	DPMS6D22	M192P2229R8	QFT2-27	1FT-D22
C195	.0022 50V 10%			NP082	CN0482		10TCC-Q82
C196	82 10%		180		GP222		10TS-D22
C197	.0022				*		10TCP-Q39
C201	39 N150		451		MAG5011		
C202	.01				MAG5011		
C203	.01	CT-Z7200H01 CT-Z7200H01 CT-Z7200H01 CT-Z7250H01 CT-Z7200H01	451		GP210		10TS-D10
C204	.001				MAG2515		HY-735
C205	.047		511		MAG2515		HY-735
C206	.047				MAG5011		
C207	.01		451		GP210		10TS-D10
C208	.001				MAG5011		
C209	.01		511		MAG2515		HY-735
C210	.047				MAG2515		HY-735
C211	.047		511		MAG2515		HY-735
C212	.047				MAG2515		HY-735
CT1	20 Trimmer						
CT2	20 Trimmer						
CT3	20 Trimmer						
CT4	25 Trimmer						
CT5	20 Trimmer						

* 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.
RV1	Bias	100	RP-JNB10101			U260R502B
RV2	SSB Power	5000	RP-GNB50201			U260R253B
RV3	RF Meter	20K	RP-GNB20301			U260R102B
RV4	Balance	1000	RP-GNB10201			U260R103B
RV5	Balance	10K	RP-GNB10301			U260R103B
RV6	AM S Meter	10K	RP-GNB10301			U260R103B
RV7	SSB S Meter	10K	RP-GNB10301			U260R103B
RV8	AGC	5000	RP-GNB50201			U260R502B
RV9	AM Squelch Range	20K	RP-GNB20301			U260R253B
RV10	SSB Squelch Range	200K	RP-GNB20401			U260R254B
RV11	Mic Gain	500	RP-GNB50101			U260R501B
RV12	AMC	2000	RP-GNB20201			U260R252B
VR1	Volume/Power Switch	50K	RV-NB503A06			
VR2	Squelch	50K	RV-NA503B06			
VR3	Clarifier	50K	RV-NA503A05			
VR4	AM Power	6 10W	RW-VA060B02			
VR5	RF Gain	50K	RV-NA503B06			

PARTS LIST AND DESCRIPTION (CONTINUED)

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

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.
AREY251	Resistor Network		RA-C182M97N(1)	AREY252	Resistor Network		RA-C182M97N(1)

(1) Consists of seven 1.8K-ohms.

COILS (RF-IF)

ITEM No.	FUNCTION	REPLACEMENT DATA			REMARKS
		PART No.	OTHER IDENTIFICATION	MILLER PART No.	
L1	RF Choke (2.2uH)	LF-2R2KD01N		70F226A1	
L2	RF Choke (68uH)	LF-68OKD01N			
L3	RF Choke	LD-ADA3538G			
L4	RF Choke (2.2uH)	LF-2R2KD01N		70F226A1	
L5	RF Choke (2.2uH)	LF-2R2KD01N		70F226A1	
L6	RF Choke (2.35uH)	LD-ADA3038J			
L7	Xmt Driver (27MHz) (.15uH)	TR-10CZ003S			
L8	RF Choke (.75uH)	LD-ADB3524M			
L9	RF Choke (.75uH)	LD-ADB4024B			
L10	RF Choke (.75uH)	LD-ADB3524M			
L11	Final Tuning (27MHz) (.335uH)	TR-10CZ005S			
L12	P1 Filter	LA-1JG1004A			
L13	Antenna Matching (27MHz) (.113uH)	TR-10CZ004S			
L14	RF Choke (4.7uH)	LF-4R7KD01N			
L15	RF Choke (2.2uH)	LF-2R2KD01N		70F226A1	
L16	RF Choke (1uH)	LF-0R9KD01N			
L17	RF Choke (68uH)	LF-68OKD01N			
L18	RF Choke	LF-102KB01S			
L19	RF Choke (68uH)	LF-68OKD01N			
L20	RF Choke (1.15uH)	LB-BJE1008A			
L21	RF Choke (1.15uH)	LB-BJE1008A			
L22	RF Choke (.75uH)	LD-ADB4024B			
L23	RF Choke (.75uH)	LD-ADB4024B			
L24	RF Choke (68uH)	LF-68OKD01N			
L201	Antenna Matching	LA-2JG1503A			
T1	VCO Mixer (38.100MHz)	TR-10MB003T			
T2	VCO Mixer (37.600MHz)	TR-10MB005S			
T3	Doubler (20.1MHz)	TR-10DB002S			
T4	Xmt Mixer (27MHz)	TR-10CA006T			
T5	Xmt Mixer (27MHz)	TR-10CB003T			
T6	Xmt Preamp (27MHz)	TR-10CP006S			
T7	Rec Antenna (27MHz)	TR-10MP003T	ETR3335834		
T8	Rec RF (27MHz)	TR-10CA006T			
T9	Rec RF (27MHz)	TR-10CB001S			
T10	IF (10.695MHz)	TR-10MA013S			
T11	SSB IF (10.6935MHz)	TR-10MA015S			
T12	SSB IF (10.6935MHz)	TR-10MA015S			
T13	IF (10.695MHz)	TR-10MA014S			
T14	IF (455kHz)	TR-10LA021S			
T15	IF (455kHz)	TR-10LA022S			

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	2A	.24	3.72mH	LJ119H004W			

COLT MODEL 485

PARTS LIST AND DESCRIPTION (CONTINUED)

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

TRANSFORMER (Audio Output)

ITEM No.	IMPEDANCE		REPLACEMENT DATA			NOTES
	PRI.	SEC.	MFGR. PART No.	THORDARSON PART No.	TRIAD PART No.	
T16	8	8	TB-G28A004W		MCB26	

SPEAKER

ITEM No.	TYPE	REPLACEMENT DATA		NOTES
		MFGR. PART No.	QUAM PART No.	
SP	3 1/2" PM, 8 Ohms	ZQ-A0920802 0920802(1)	3A05Z8R	(1) Number on unit.

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	3A Quick Acting			AGC3	HDJ	312003	150145	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	ZG-AAZ50137	18-032	18-034	18-010	18-092	1	2	4	3	NC	2

MISCELLANEOUS

ITEM No.	PART NAME	PART No.	NOTES
CF	Filter	FB-R455A13M	455kHz
J1	Jack	YJ-C02S009Z	Antenna
J2	Jack	YJ-T03S003Z	PA
J3	Jack	YJ-T03S003Z	External Speaker
J4	Jack	YJ-B02S007Z	DC Power
J5	Jack	YJ-Z04S002Z	Microphone
LED301	LED		Channel Display (1.91V @ 14mA) (2 used)
M	Meter	ZM-J2030N04	S/Rf
MXF	Filter	FF-10R7S01N	10.695MHz
PL1	Lamp		Meter (4.98V @ 58mA) (Part of Meter)
SW	Switch	SR-2040302H	Channel Selector
S2	Switch	SR-0303103E	Mode
S3	Switch	SS-020224ZL	CB/PA
S4	Switch	SS-020224ZL	NA
S5	Switch	SS-020224ZL	ANL
X1	Crystal	XA-S1C1001X	10.025MHz
X2	Crystal	XA-S1B9001X	10.24MHz
X3	Crystal	XA-Z1A8001X	10.69MHz
	Cord	AC-DC046GEA	DC

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

ITEM	PART No.	ITEM	PART No.
Chassis, Rear	MS-766SZ109	Escutcheon	VE-65XAX001
Chassis, Side	ML-681SZ013	Frame, Front	VE-76JSP032
Chassis, Side	ML-681SZ014	Knob, Channel Selector	MN-276AA093
Cover, Bottom	MU-874SM021	Knob, Clarifier/LSB-USB-AM/Controls	MN-276AA069
Cover, Top	MU-874SM019	Panel, Front	MB-762SZ064