



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 CT950AX

MOTOROLA MODEL CT950AX

MANUFACTURER'S SPECIFICATIONS

CB RECEIVER

Channels	: 40
Frequency Range	: 26.965 - 27.405MHz
Sensitivity	: Less than 1uV 10db S/N
Selectivity	: -40 db $\pm$ 10 KHz
AGC	: 40 db
Squelch Sensitivity	: 0.5 uV to 1 mV

CB TRANSMITTER

Channels	: 40
Frequency Range	: 26.965 - 27.405MHz
Output Power	: 4W MAX.
Modulation Capability	: 85 - 100%
Spurious Suppression	: 60db
Frequency Tolerance	: $\pm$ 0.005%
Antenna Impedance	: 50 ohms

8 TRACK TAPE

Tape Speed	: 3.75" per sec.
Signal/Noise Ratio	: 40db MIN.
Crosstalk	: 40db MIN.
Separation	: 30db MIN.
Current Drain	: 1.5A @ 14 V.dc for 1w.output (all Chan)
Wow & Flutter	: 0.30% MAX.

STEREO RADIO

Frequency	: 88 - 108MHz
I.F. Frequency	: 10.7MHz
Sensitivity	: 6uV
Image Rejection	: 40db
MPX Separation	: 20db
MPX Indicator Sensitivity	: 0.5 - 10uV

AM RADIO

Frequency Range	: 530 - 1610KHz
I.F. Frequency	: 262.5KHz
Sensitivity	: 6uV
Image Rejection	: 55db MIN.

GENERAL

Power Requirement	: DC. 14V. Negative Ground
Output Power	: 4 watts per channel
Fuse Requirements	: 5A
Speaker Impedance	: 4 ohms
Semi-conductors	: 1 PLL unit 5 IC's

	: 25 Transistors
	: 51 Diodes, 3 Zener Diodes
	: 1 FET & 4 LEDS

Dimensions	: Width 7" (178mm) Depth 7" (177mm) Height 2 7/8" (72mm)
Weight	: 7 lb. 4 oz. (3.3kg.)

Courtesy of the Manufacturer

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 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:

L6, L7, L101, L102, T1, T3, T4, T5 9440
 T2, T101, T102, T103, T104, T105 5000, 5009, 8276, 8728, 8728A
 L1, L2, L3, L5, L8 9300, 9302, 9304
 TC1 5000, 8276

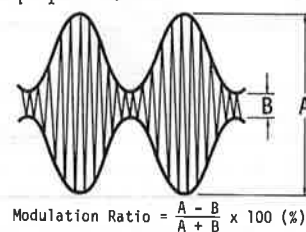


FIGURE 1

SYNTHESIZER ALIGNMENT

TEST EQUIPMENT	TRANSCEIVER	ADJUST	REMARKS
Input of frequency counter to TP5 (Junction of C2 and C209).	Ch. 19	TC1	Adjust for 10.240MHz.
Input of oscilloscope to TP3. (IC2 Pin 4.)	Ch. 19	T2	Adjust for Maximum RF output.
Input of frequency counter to TP3 (IC2 Pin 4).	Ch. 19		Check for 10.240MHz.
Input of frequency counter to TP6 (IC1 Pin 4).	Ch. 19		Check for 5.120MHz.
Input of DC meter to TP2 (Junction of R12 and R15).	Ch. 19	T1	Adjust for 2.80 volts.
Input of frequency counter to TP4 (Junction of L5 (PLL) and C206).	Ch. 1		Check for 16.270MHz. Check all channels. (See Truth Chart for correct frequencies.)
Input of frequency counter to TP7 (IC1 Pin 17).	Ch. 1		Check for .910MHz. Check all channels. (See Truth Chart for correct frequencies.)
Input of oscilloscope to TP1 (T5 Secondary).	Ch. 19 XMT	T3,T4,T5	Adjust for Maximum RF output.
Input of frequency counter to TP1 (T5 Secondary).	Ch. 1 XMT		Check for 26.965MHz. Check all channels. (See Truth Chart for correct frequencies.)

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.

TEST EQUIPMENT	TRANSCEIVER	ADJUST	REMARKS
Output of signal generator thru .01uF to TP8 (Q205 Base). 455kHz, 1000Hz @ 30% modulation.	Ch. 19	T105, T104, T103	Adjust for Maximum output.
Output of signal generator thru .01uF to antenna jack. 27.185MHz, 1000Hz @ 30% modulation.	Ch. 19	L101, L102, T101, T102	Adjust for Maximum output. If necessary, readjust T103, T104 and T105.

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
Output of signal generator thru .01uF to antenna jack. 27.185MHz, 1000Hz @ 30% modulation. Output 1uV.	Ch. 19 Squelch MINIMUM Volume Maximum	VR203	AGC Adjust for 2 volts audio output.
Output of signal generator thru .01uF to antenna jack. 27.185MHz, 1000Hz @ 30% modulation. Output 1000uV.	Ch. 19 Squelch Maximum	VR201	SQUELCH RANGE Adjust so that squelch just breaks.

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 spectrum analyzer or harmonic meter to antenna jack.	Ch. 19	L7, L6, L5, L3, L2, L1	Adjust for Maximum RF output.
	Ch. 19	L3	Adjust for 4.0 watts RF output Maximum.
	Ch. 19	L8	Adjust for MINIMUM at 54MHz (2nd Harmonic)

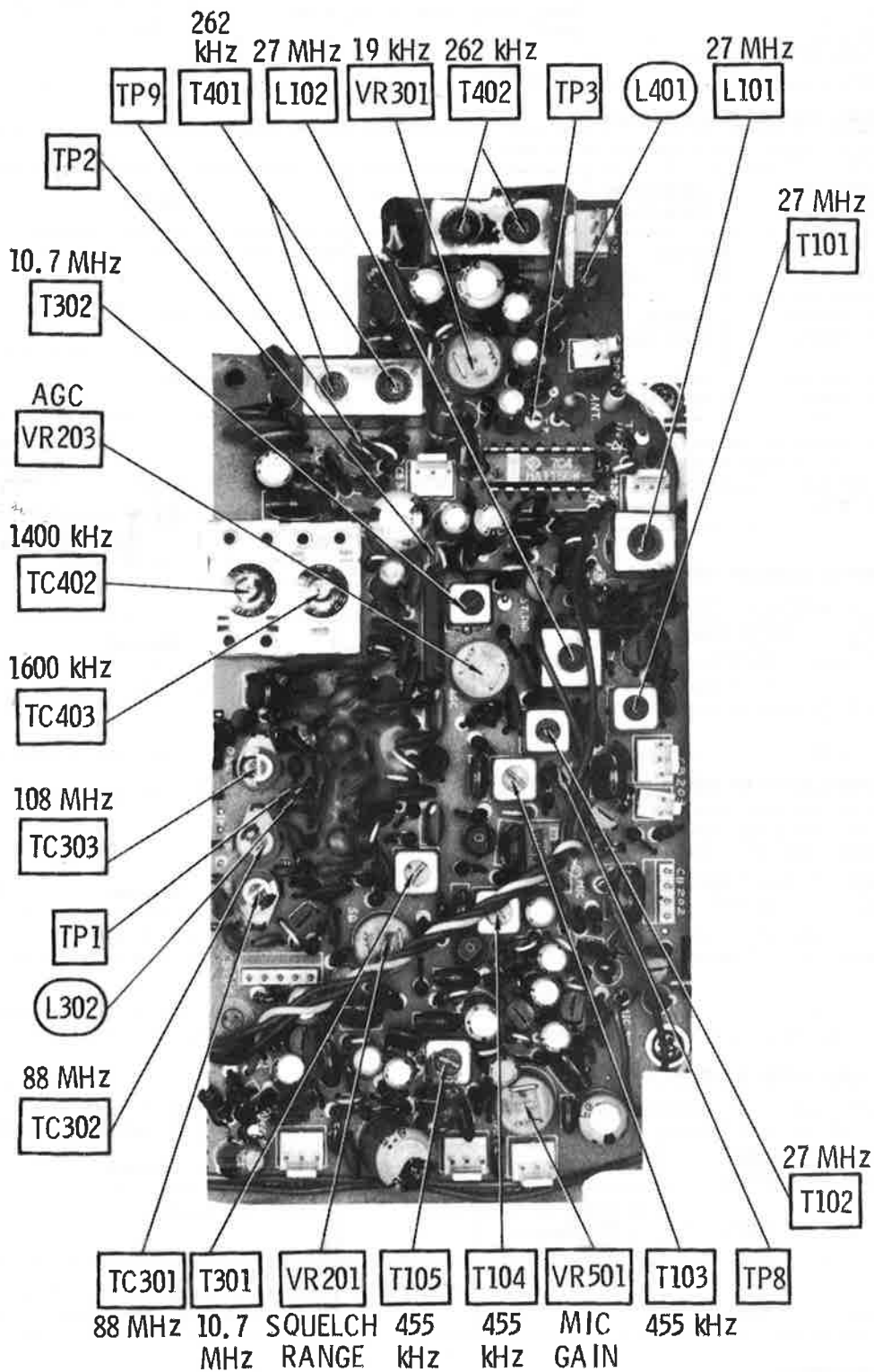
TRANSMITTER ADJUSTMENTS

Connect an RF wattmeter and 50-ohm, 25-watt dummy load to antenna connector.
NOTE: Be sure to check transmit power and frequency 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 jack. Inject a 1000Hz, 10mV signal at Mic input.	Ch. 19	VR501	MIC GAIN Adjust for 90% modulation Maximum. See Figure 1.

TRUTH CHART

CHANNEL	1 = 7.18 Volts 0 = 0 Volts								REC VCO OUTPUT IN MHz AT TP4	XMT VCO OUTPUT IN MHz AT TP1	DIVIDER INPUT IN MHz AT TP7
	IC2 PROGRAM DIVIDER										
	PINS										
	10	11	12	13	14	15					
1	0	0	0	0	0	0			16.270	26.965	.910
2	0	0	0	0	0	1			16.280	26.975	.920
3	0	0	0	0	1	0			16.290	26.985	.930
4	0	0	0	1	0	0			16.310	27.005	.950
5	0	0	0	1	0	1			16.320	27.015	.960
6	0	0	0	1	1	0			16.330	27.025	.970
7	0	0	0	1	1	1			16.340	27.035	.980
8	0	0	1	0	0	1			16.360	27.055	1.000
9	0	0	1	0	1	0			16.370	27.065	1.010
10	0	0	1	0	1	1			16.380	27.075	1.020
11	0	0	1	0	0	0			16.390	27.085	1.030
12	0	0	1	1	1	0			16.410	27.105	1.050
13	0	0	1	1	1	1			16.420	27.115	1.060
14	0	1	0	0	0	0			16.430	27.125	1.070
15	0	1	0	0	0	1			16.440	27.135	1.080
16	0	1	0	0	1	1			16.460	27.155	1.100
17	0	1	0	1	0	0			16.470	27.165	1.110
18	0	1	0	1	0	1			16.480	27.175	1.120
19	0	1	0	1	1	0			16.490	27.185	1.130
20	0	1	1	0	0	0			16.510	27.205	1.150
21	0	1	1	0	0	1			16.520	27.215	1.160
22	0	1	1	0	1	0			16.530	27.225	1.170
23	0	1	1	1	0	1			16.560	27.255	1.200
24	0	1	1	0	1	1			16.540	27.235	1.180
25	0	1	1	1	0	0			16.550	27.245	1.190
26	0	1	1	1	1	0			16.570	27.265	1.210
27	0	1	1	1	1	1			16.580	27.275	1.220
28	1	0	0	0	0	0			16.590	27.285	1.230
29	1	0	0	0	0	1			16.600	27.295	1.240
30	1	0	0	0	1	0			16.610	27.305	1.250
31	1	0	0	0	1	1			16.620	27.315	1.260
32	1	0	0	1	0	0			16.630	27.325	1.270
33	1	0	0	1	0	1			16.640	27.335	1.280
34	1	0	0	1	1	0			16.650	27.345	1.290
35	1	0	0	1	1	1			16.660	27.355	1.300
36	1	0	1	0	0	0			16.670	27.365	1.310
37	1	0	1	0	0	1			16.680	27.375	1.320
38	1	0	1	0	1	0			16.690	27.385	1.330
39	1	0	1	0	1	1			16.700	27.395	1.340
40	1	0	1	1	0	0			16.710	27.405	1.350



MAIN BOARD

ALIGNMENT INSTRUCTIONS

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

Suggested Alignment Tools:

GC ELECTRONICS:

T301, T302 5000, 5009, 8276, 8728, 8728A
T401, T402 9440
TC301, TC302, TC303, TC401,
T402, TC403 5000, 8276

PUSH-BUTTON ADJUSTMENT

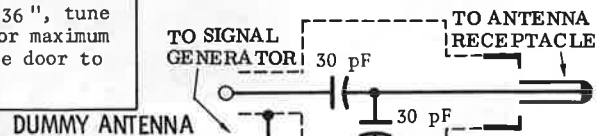
1. Pull button out.
2. Tune manually to desired station.
3. Press button in firmly.
4. Repeat for remaining buttons.

AM ALIGNMENT—SELECTOR IN AM POSITION

Connect output meter across speaker voice coil.

GENERATOR COUPLING	GENERATOR FREQUENCY	RADIO DIAL SETTING	ADJUST	REMARKS
High side thru .1uF TP9 (Q402 Base).	262kHz 400-Hz mod.	High freq end stop	T402,T401	Adjust for maximum.
Thru dummy antenna to antenna input.	1600kHz 400Hz Mod.	1600	TC403	Adjust for maximum.
Thru dummy antenna to antenna input.	1400kHz 400Hz Mod.	1400	TC402	Adjust for maximum.

With radio installed in car and antenna extended 36", tune in a weak station near 1400kHz and adjust TC401 for maximum output. Antenna adjustment is located behind tape door to the right rear.



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

High side of generator thru .001uF to

GENERATOR FREQUENCY	RADIO DIAL SETTING	INDICATOR	ADJUST	REMARKS
10.7MHz Unmodulated	Point of non-interference	DC probe of VTVM to TP2(Junction of R326 and R327)	(1)T301,T302	Adjust for maximum.

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

High side of generator thru .001uF to TP1 (Junction of L302 and R311).
Use 60-hertz, frequency-modulated signal, 450kHz sweep.
Use 60-hertz sawtooth voltage in scope for horizontal deflection.

GENERATOR FREQUENCY	RADIO DIAL SETTING	INDICATOR	ADJUST	REMARKS
10.7MHz 450kHz Sweep	Point of non-interference	Vert input of scope to TP2 (Junction of R326 and R327)	(1)T301,T302	Adjust for maximum amplitude and straightness of line, similar to Fig. 2.

FIG. 2

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

FM RF ALIGNMENT—SELECTOR IN FM POSITION

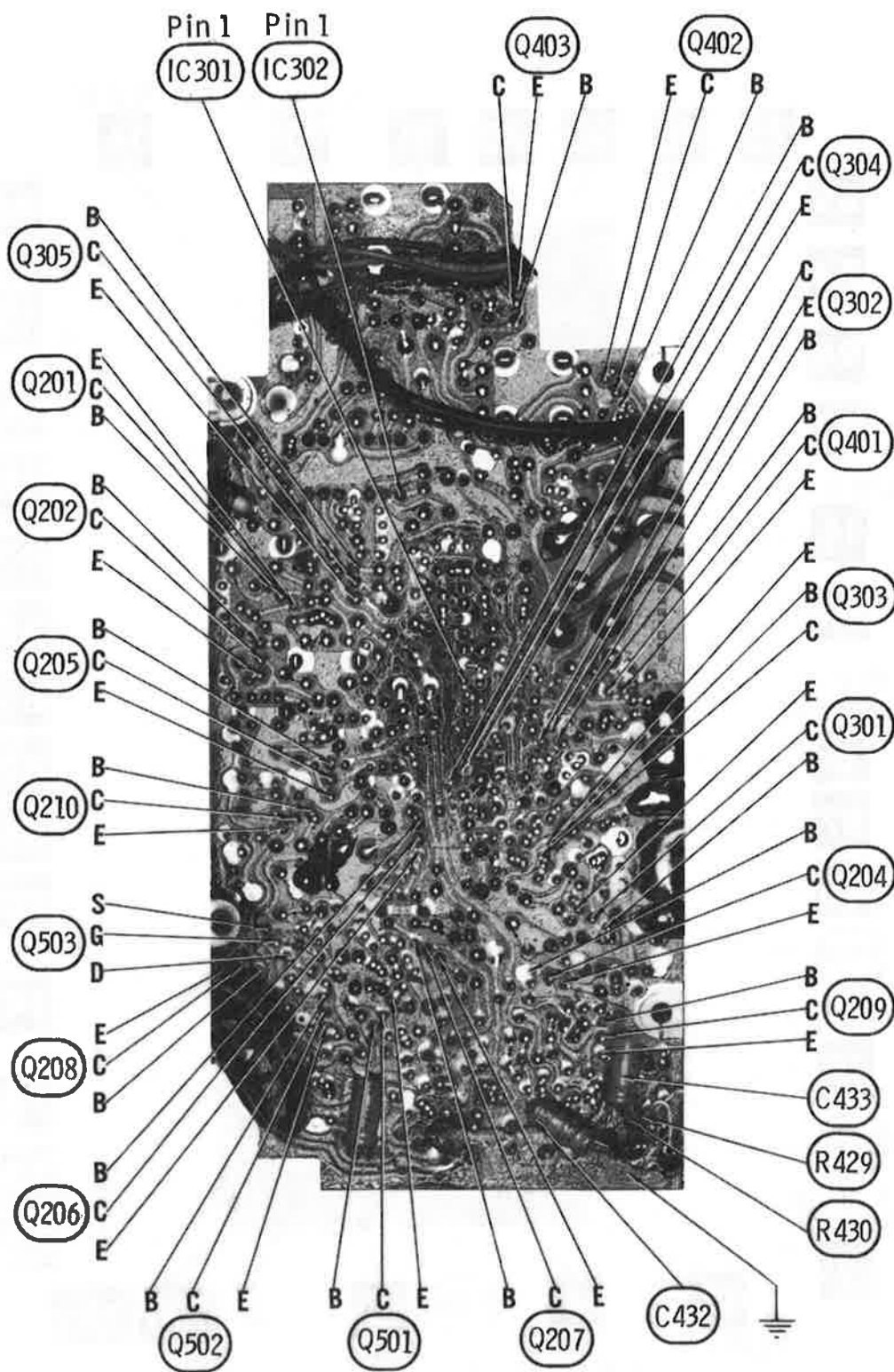
Connect generator across antenna terminals with 120-ohm carbon resistor in series with each lead. Adjustment of coils by bending should not be attempted unless the coil is deformed or replaced.

GENERATOR FREQUENCY	RADIO DIAL SETTING	INDICATOR	ADJUST	REMARKS
Unmodulated	108MHz	DC probe of VTVM to TP2(Junction of R326 and R327)	TC303	Adjust for maximum.
Unmodulated	88MHz	"	TC301,TC302	Adjust for maximum. Repeat FM RF steps until no further improvement is noted.

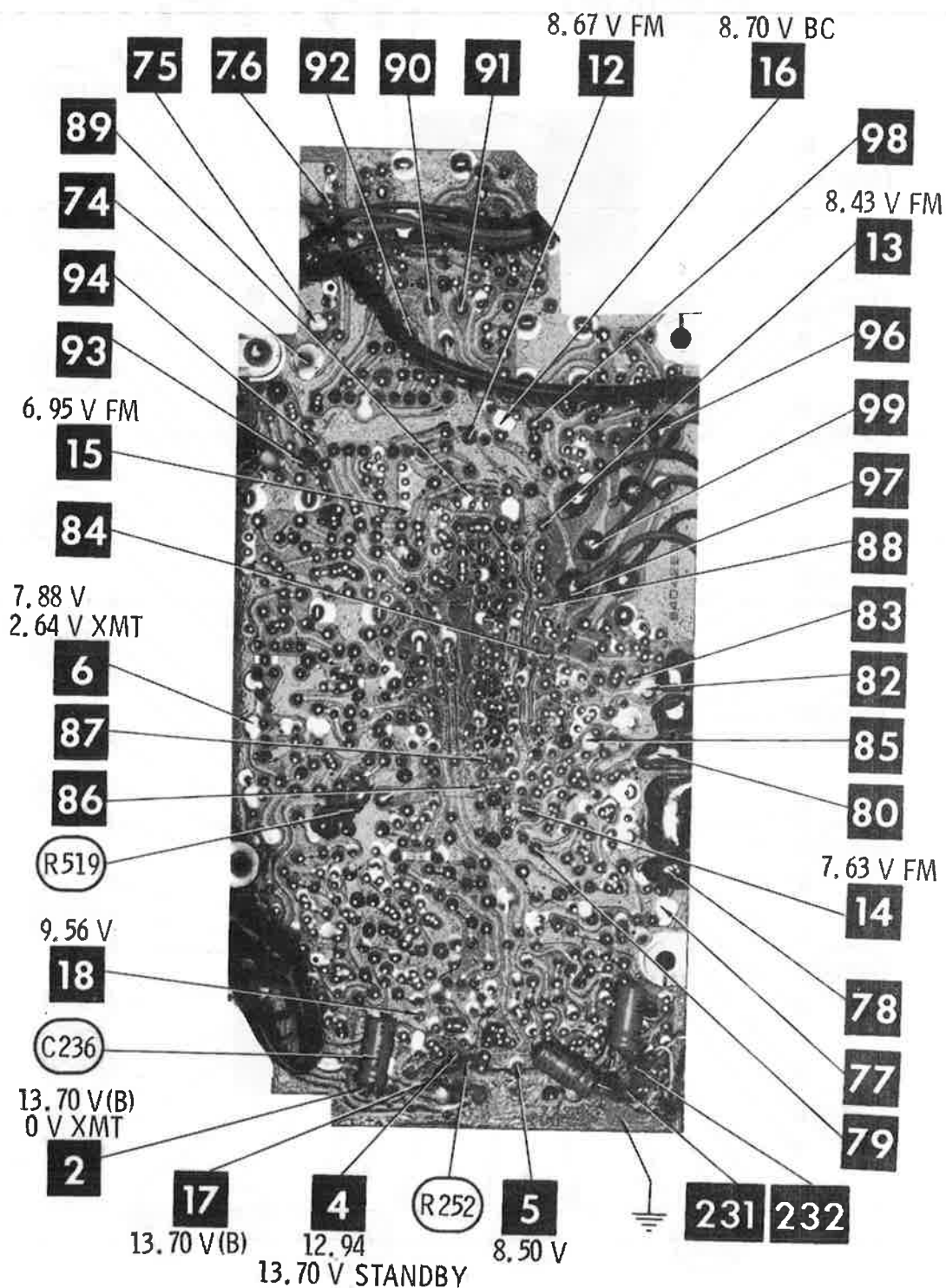
FM STEREO ALIGNMENT

Connect a jumper from TP2 to ground.

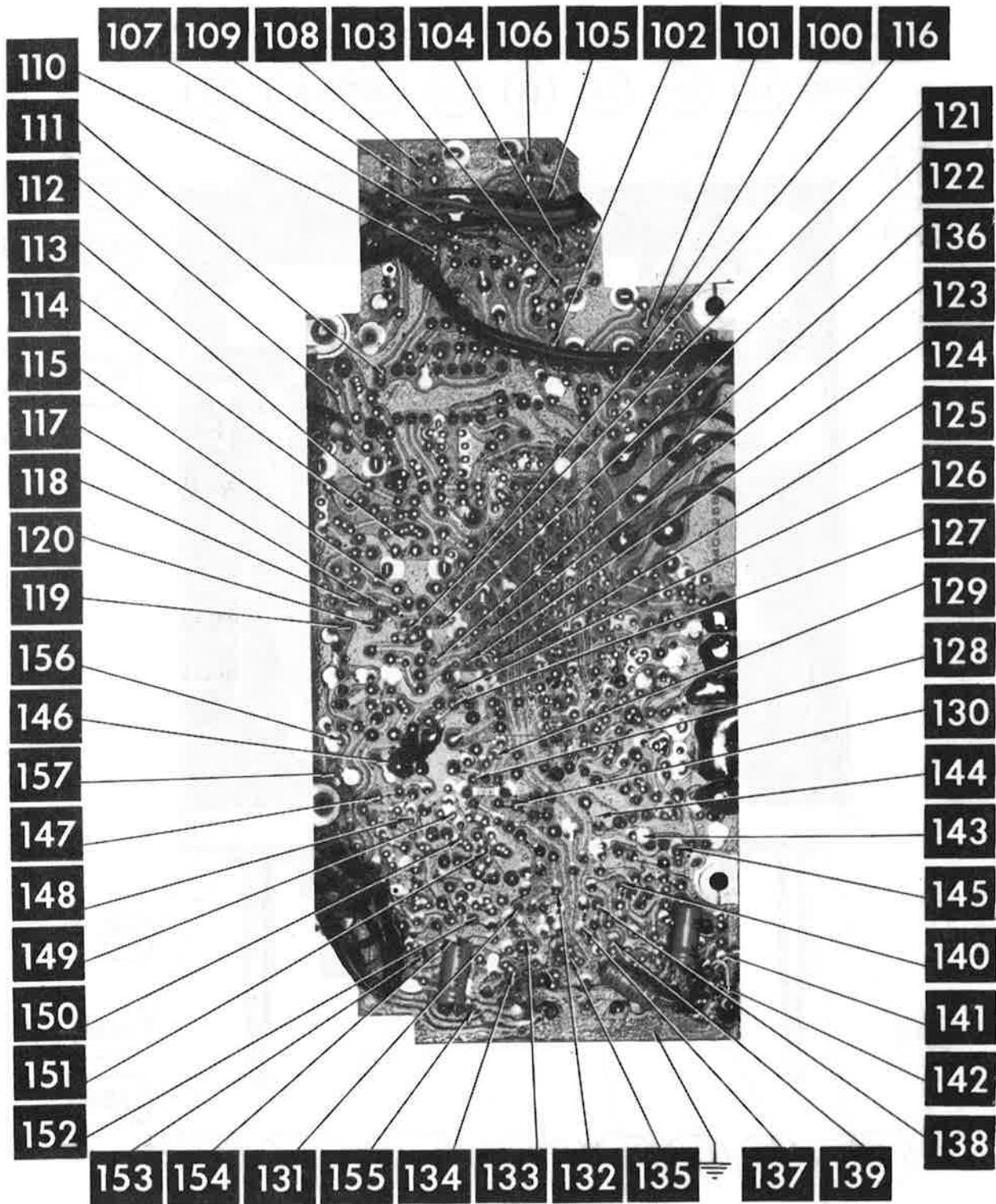
GENERATOR FREQUENCY	INDICATOR	ADJUST	REMARKS
	Input of frequency counter to TP3 (IC302 Pin 10).	VR301	Adjust for 19kHz $\pm$ 20Hz.



MAIN BOARD

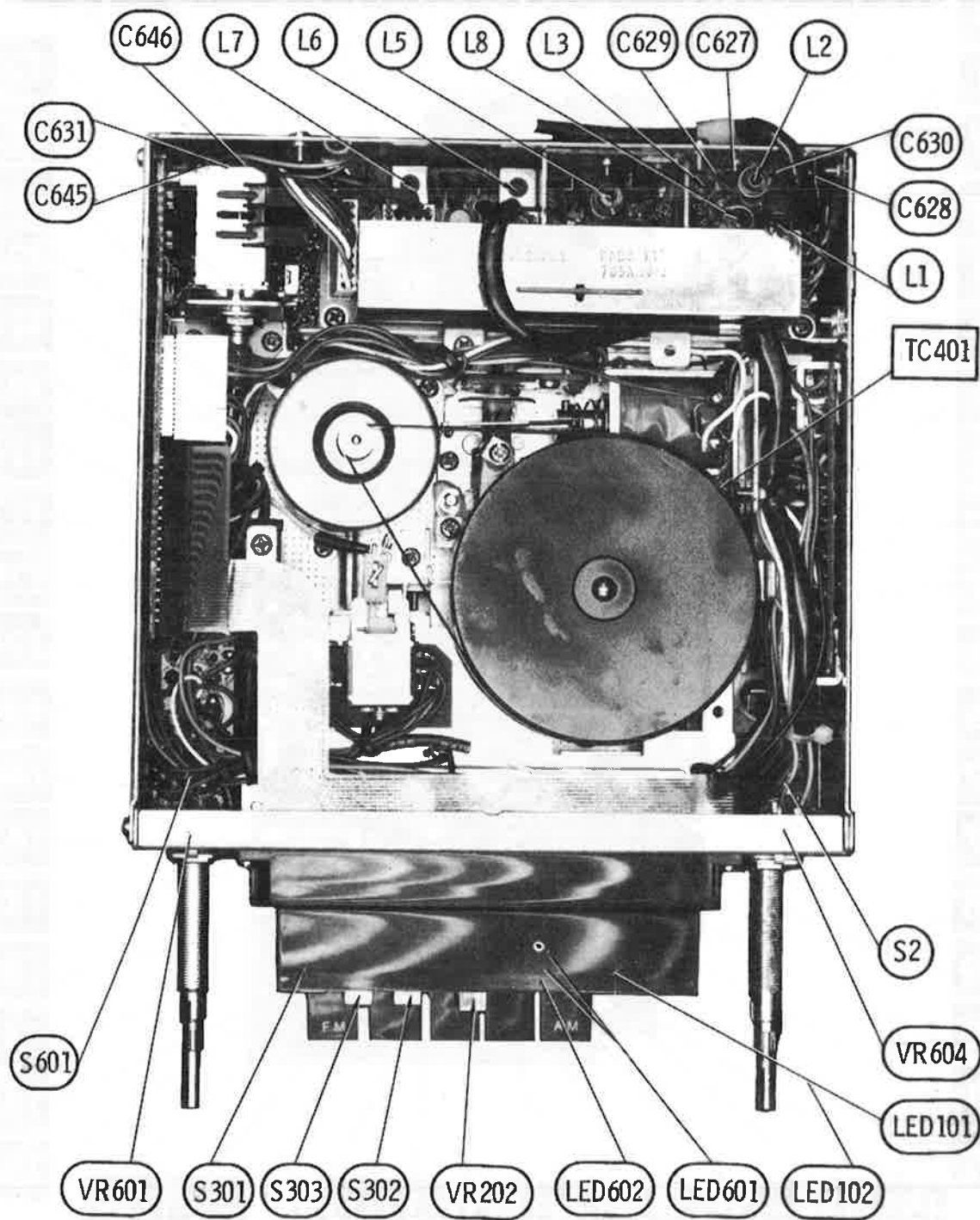


MAIN BOARD

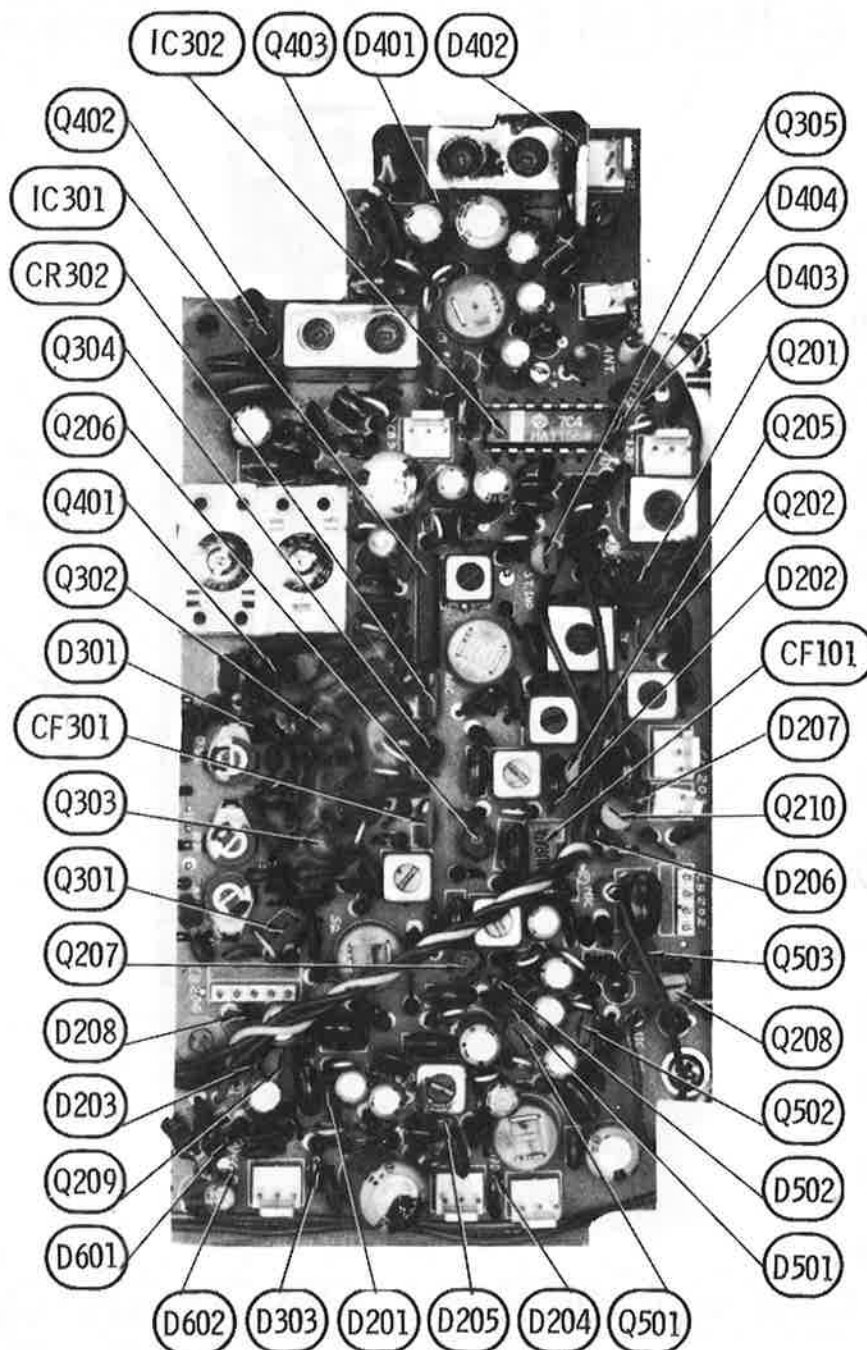


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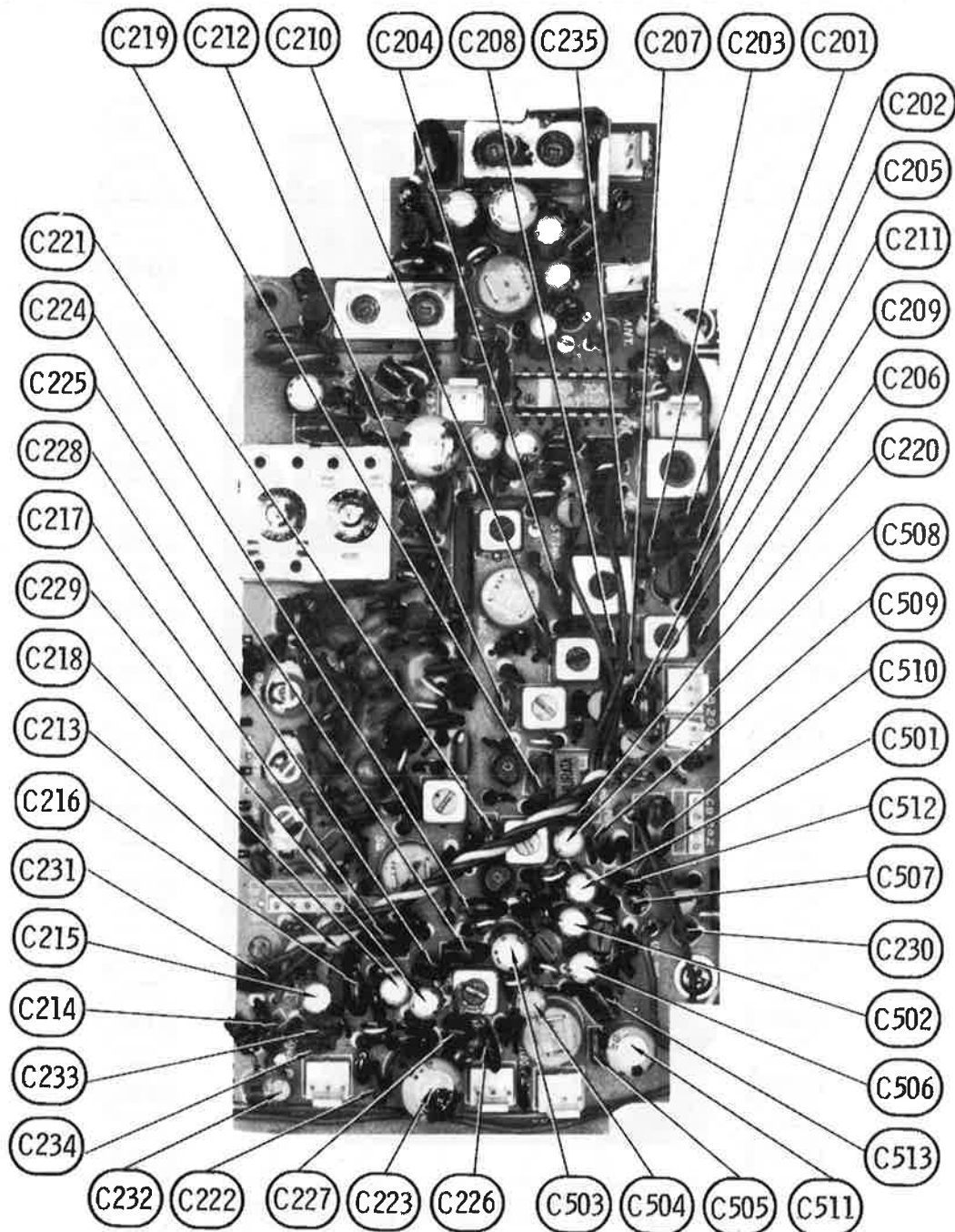
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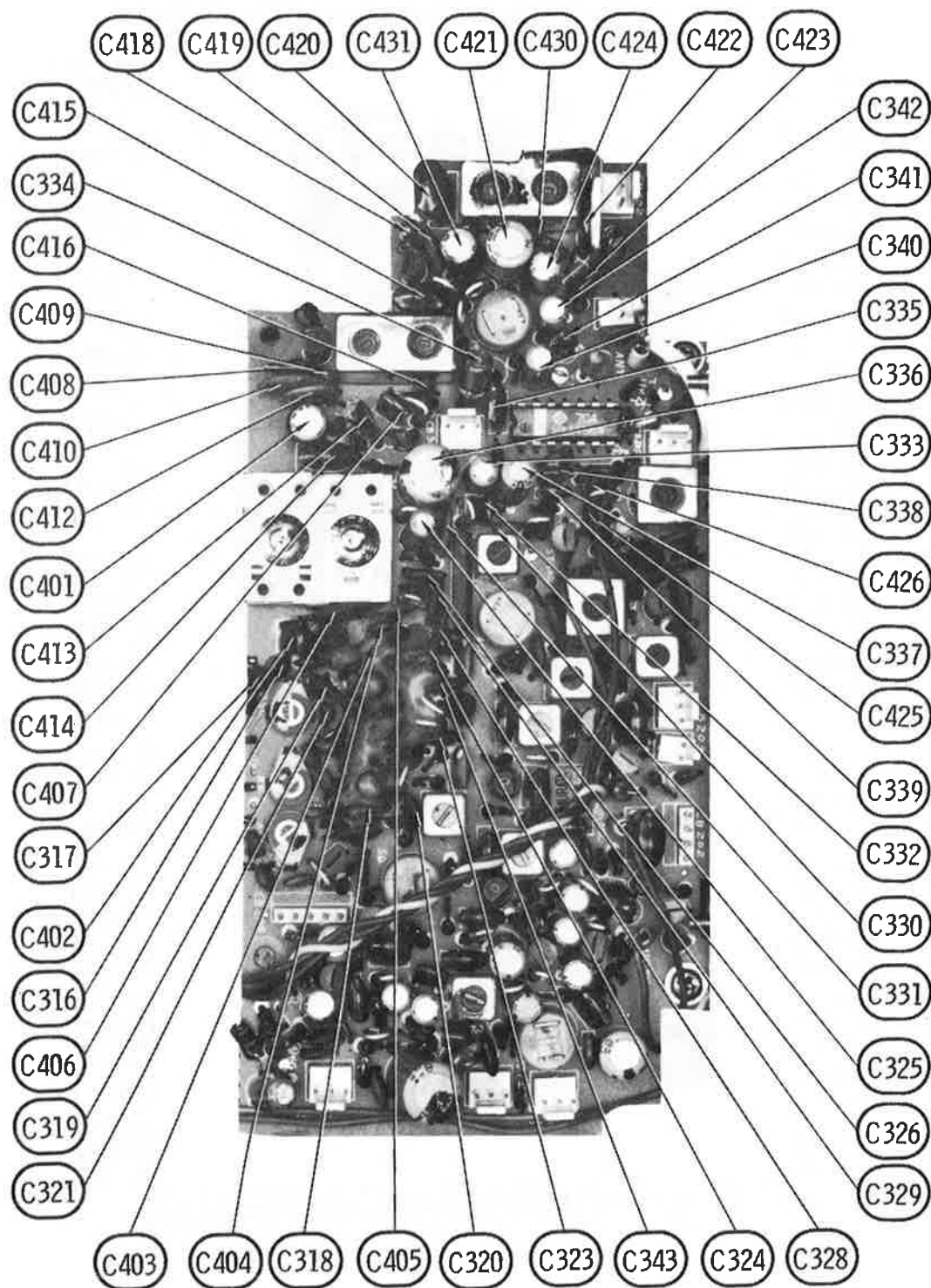
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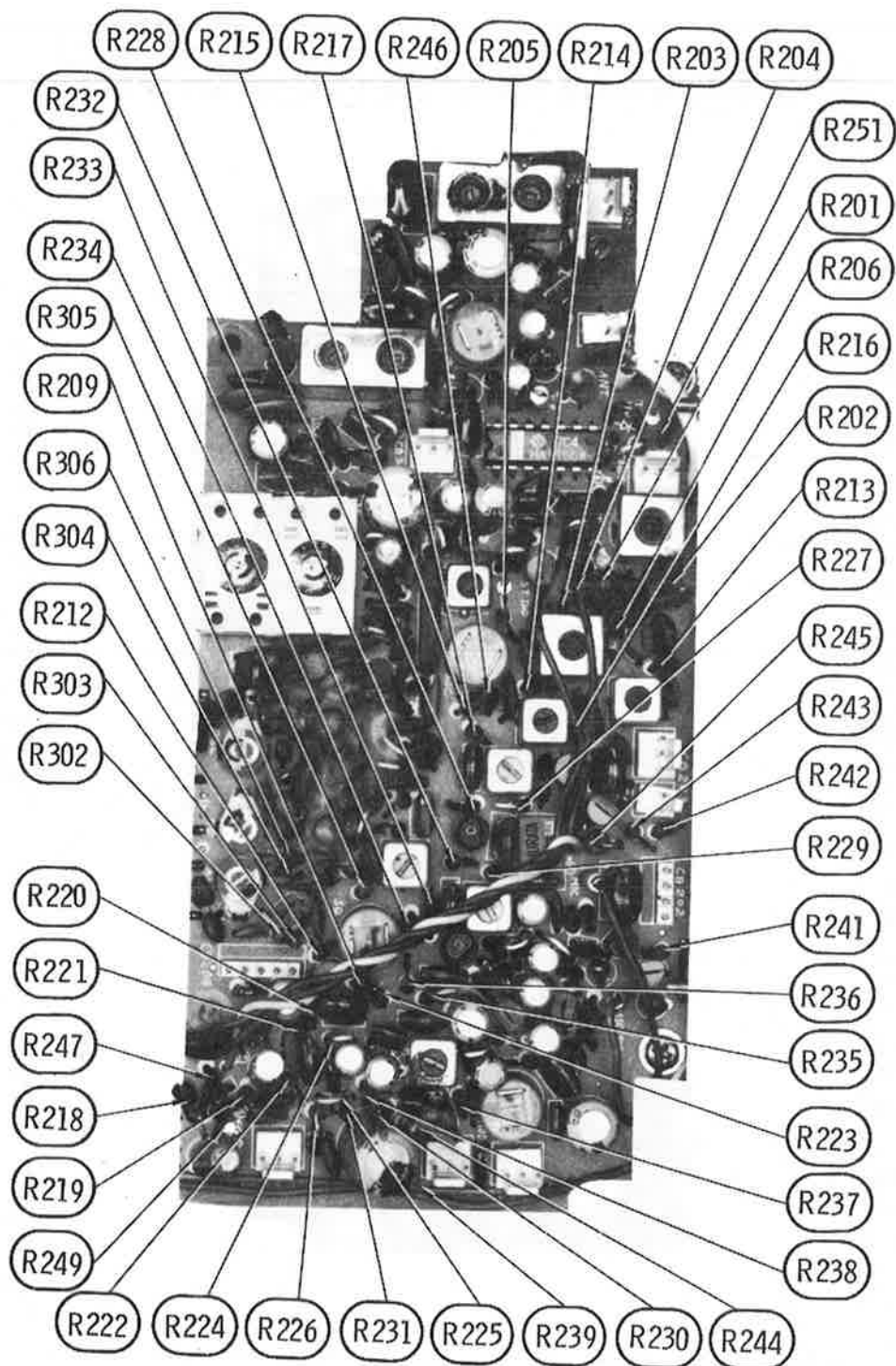
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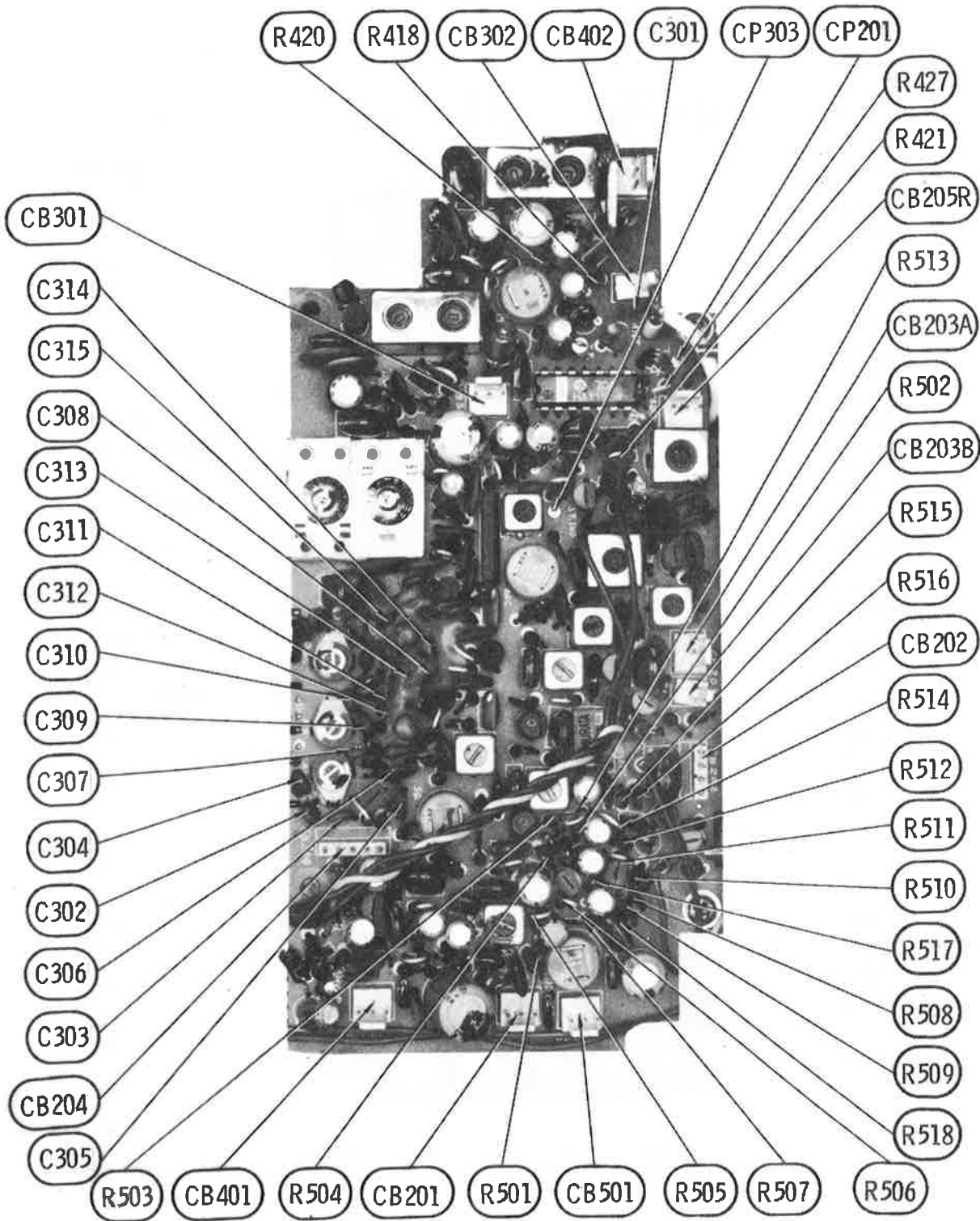
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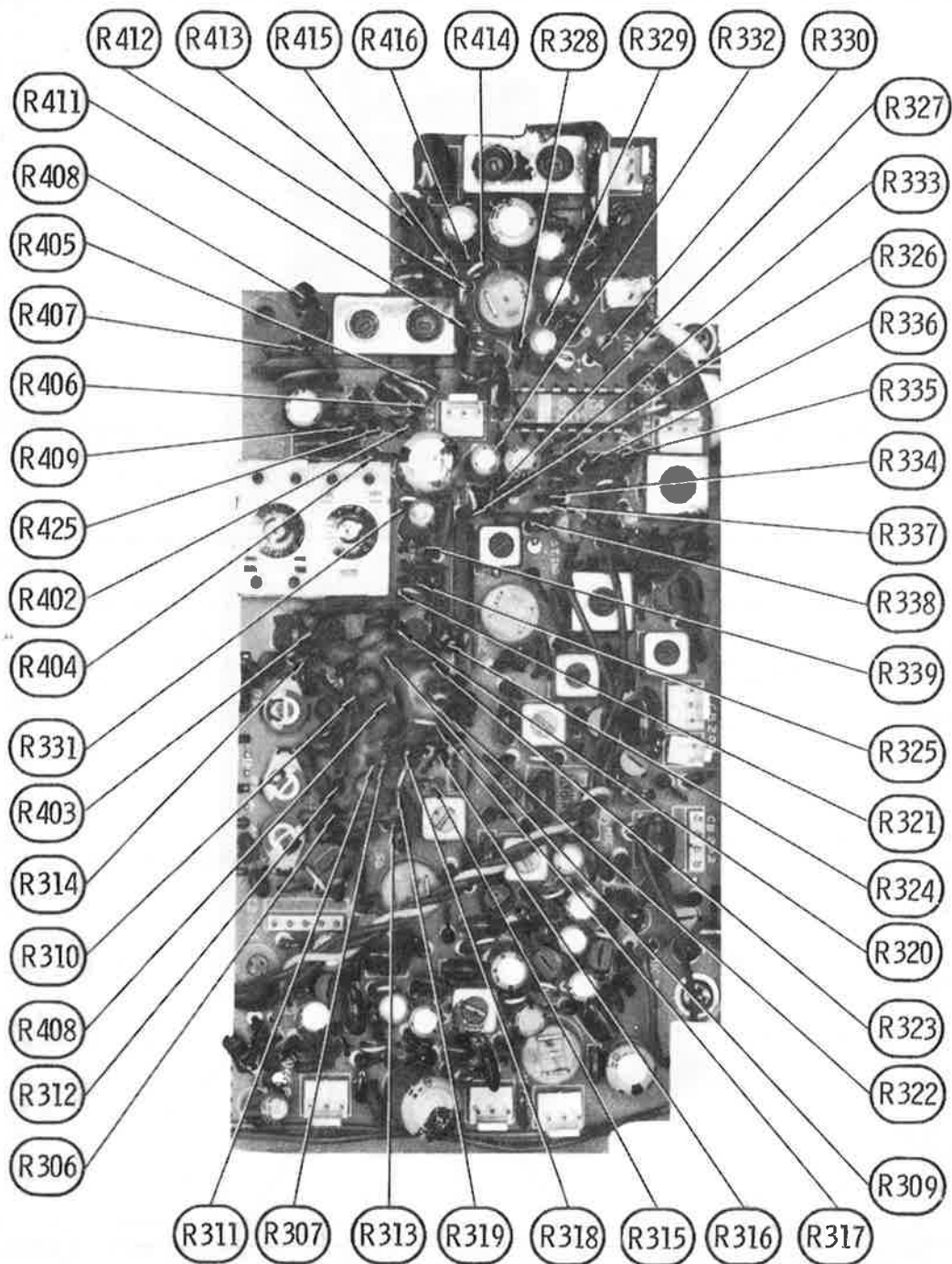
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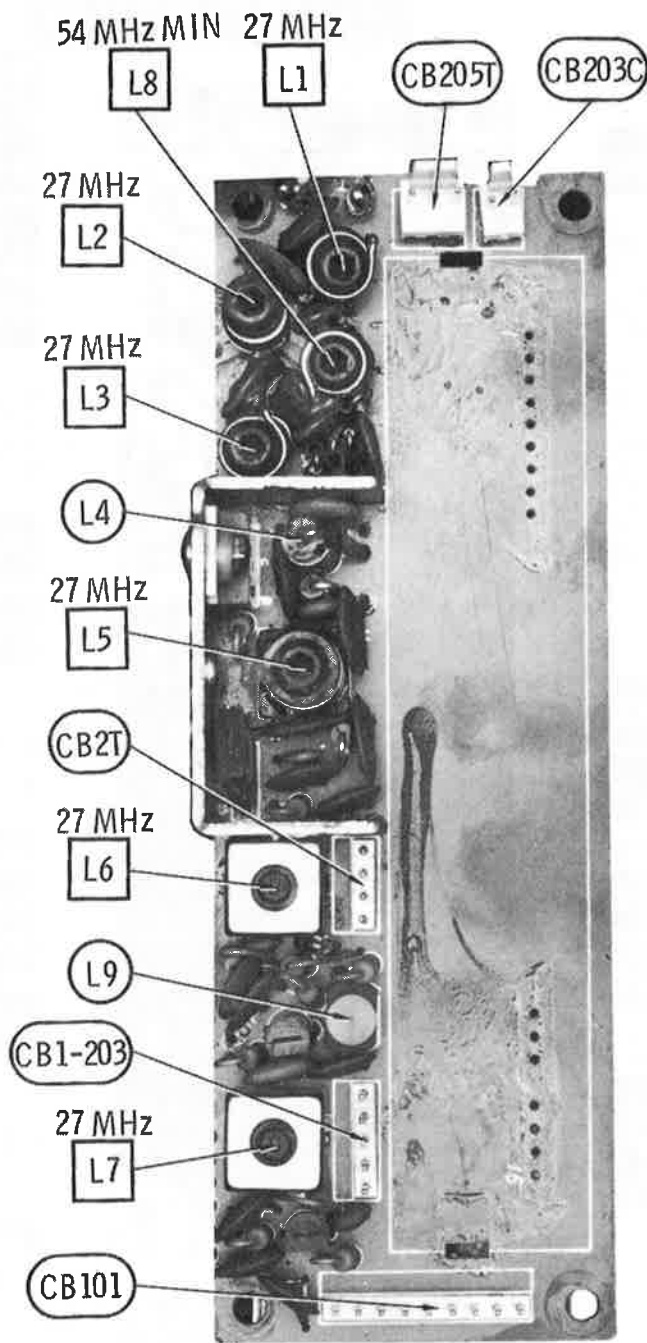
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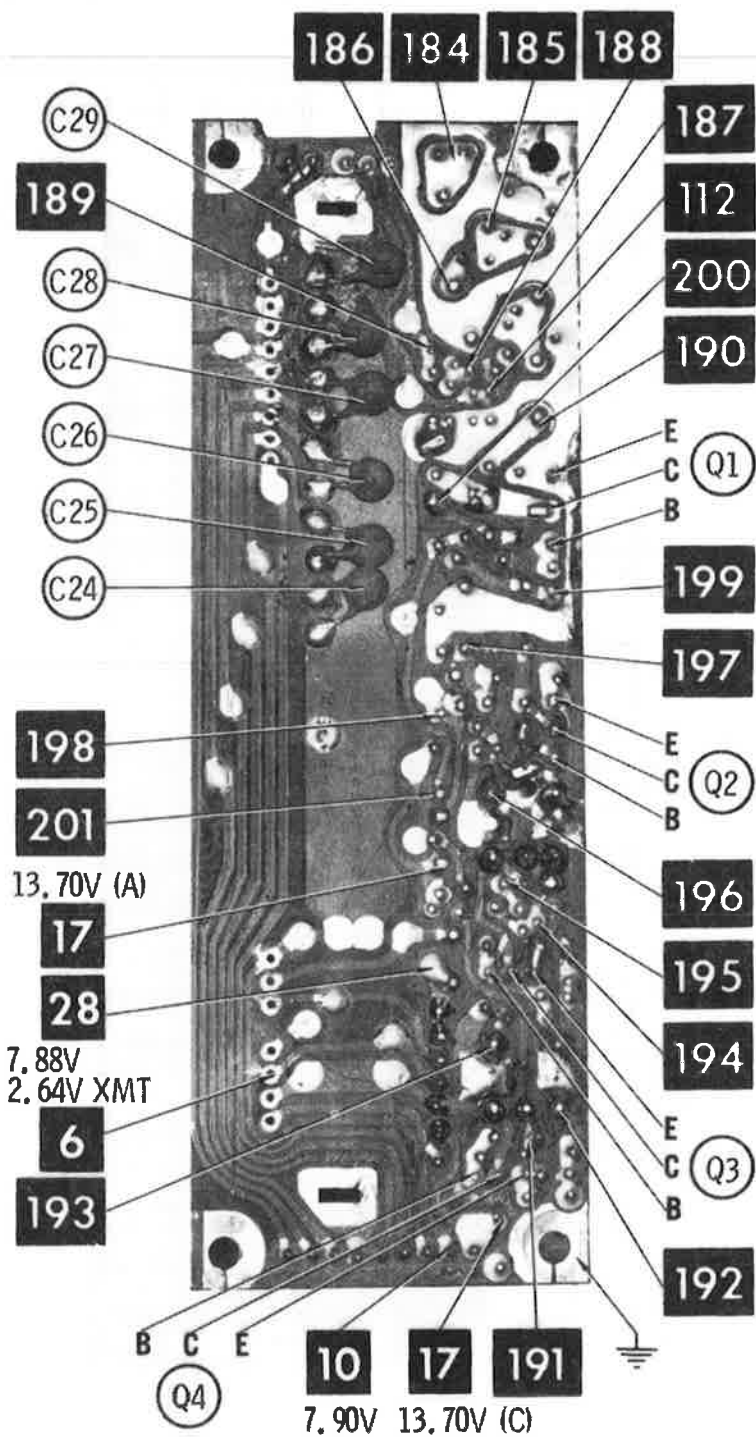
MAIN BOARD



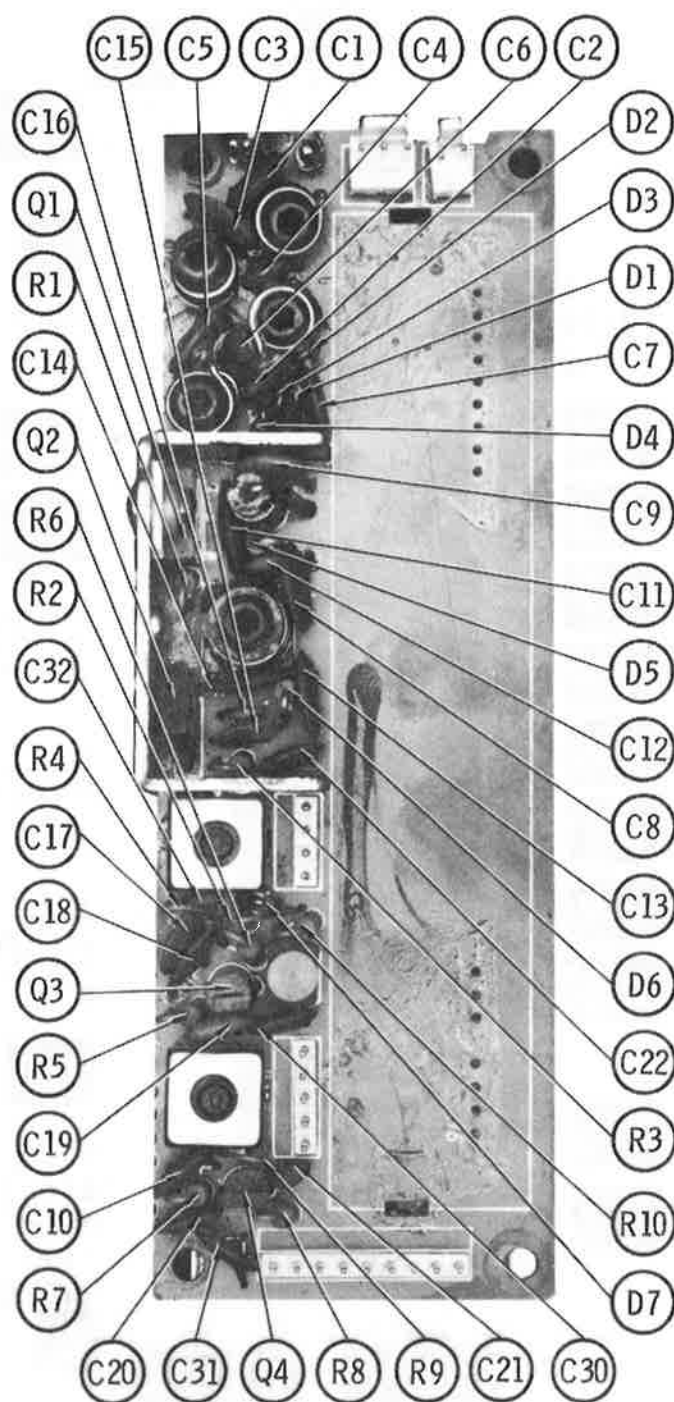
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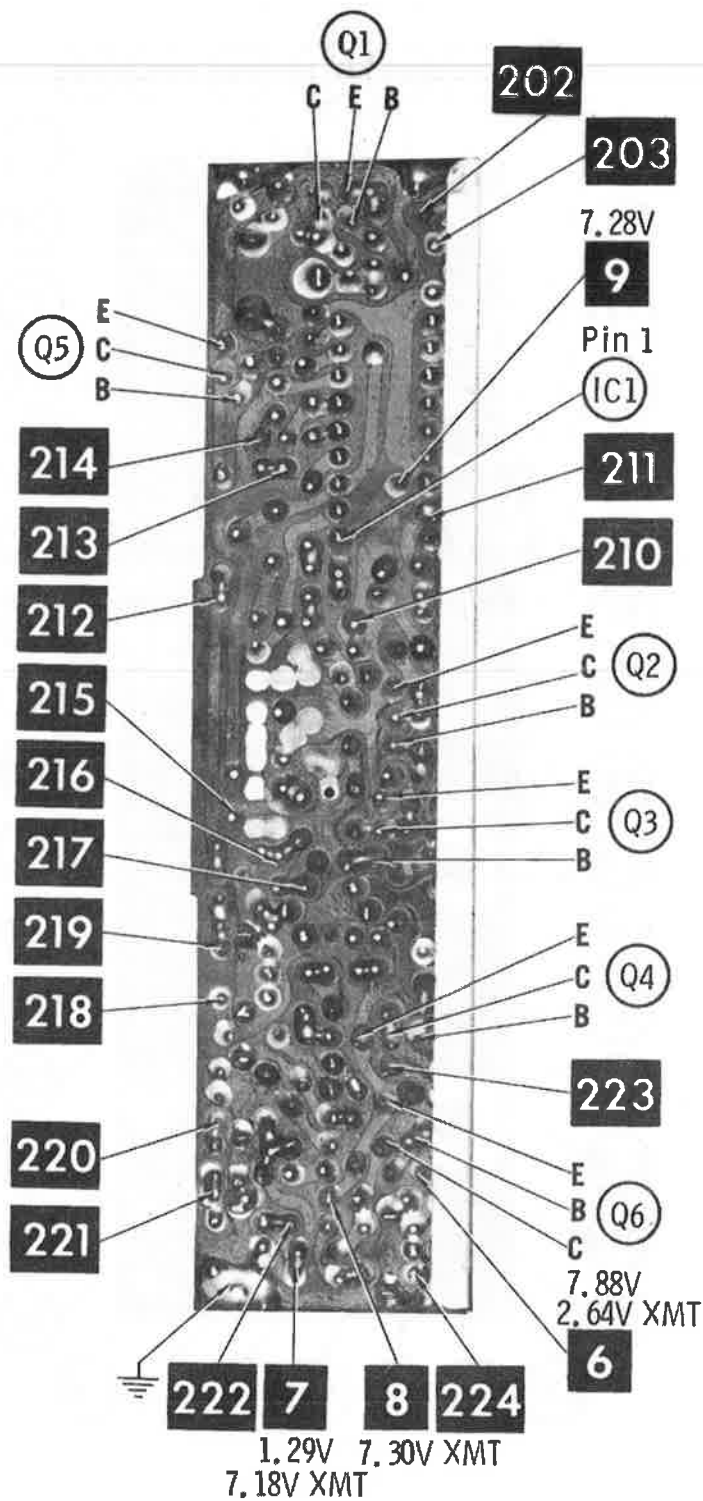
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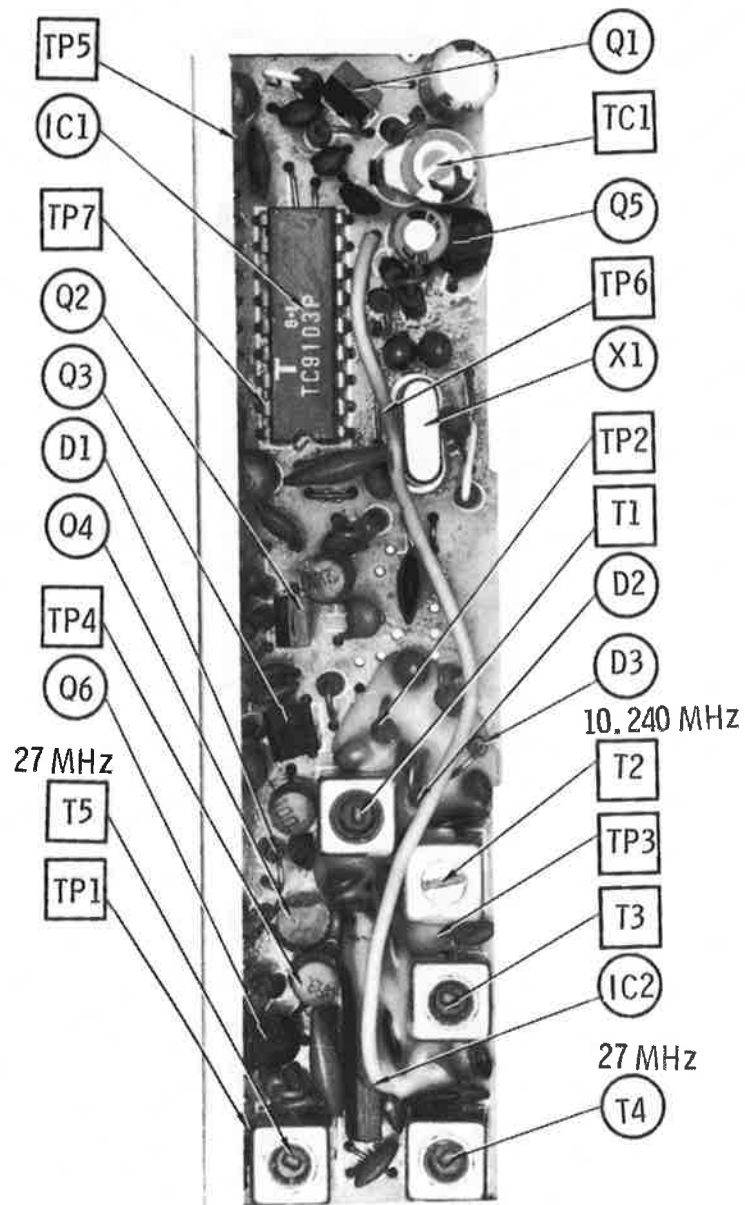
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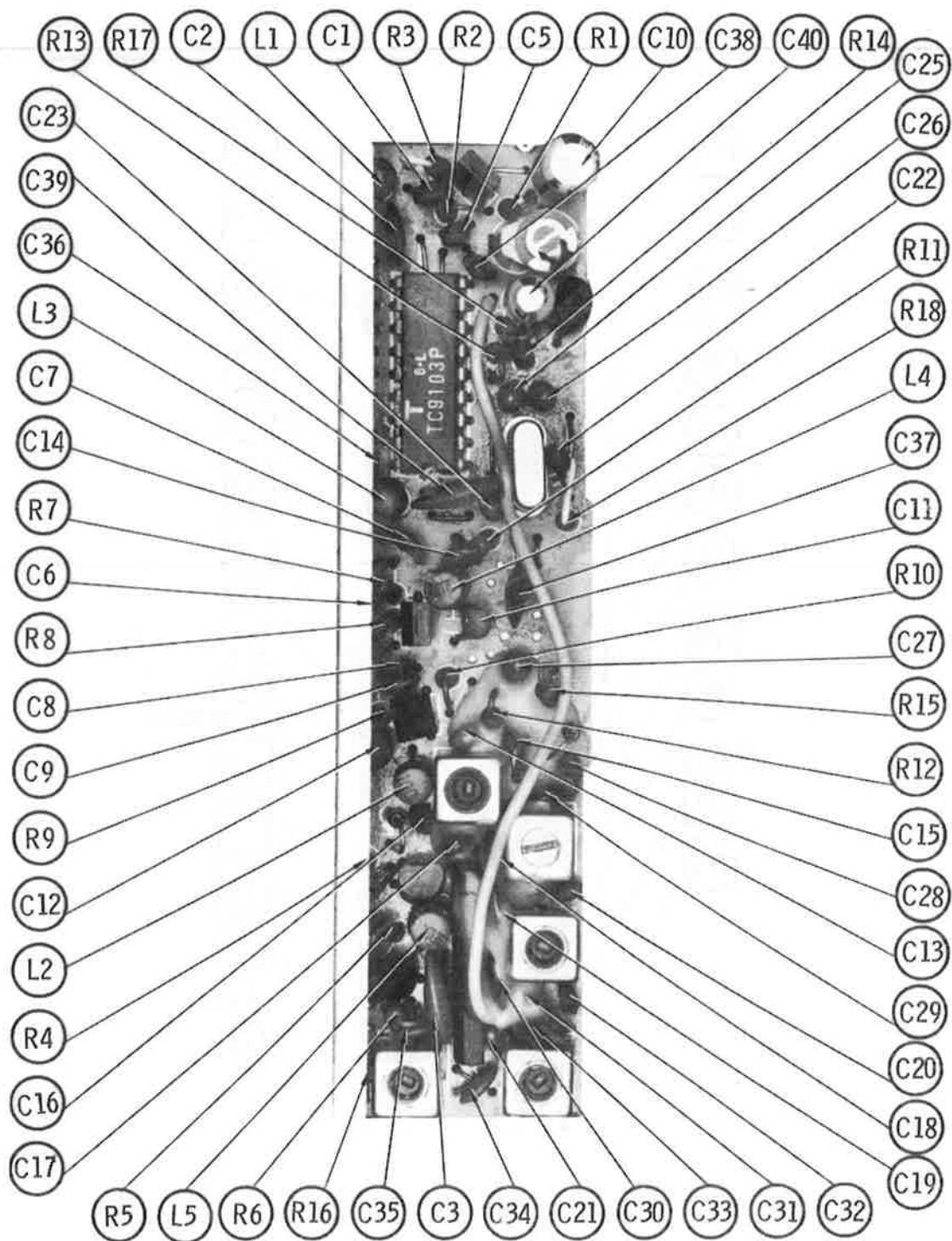
XMT BOARD



PLL BOARD

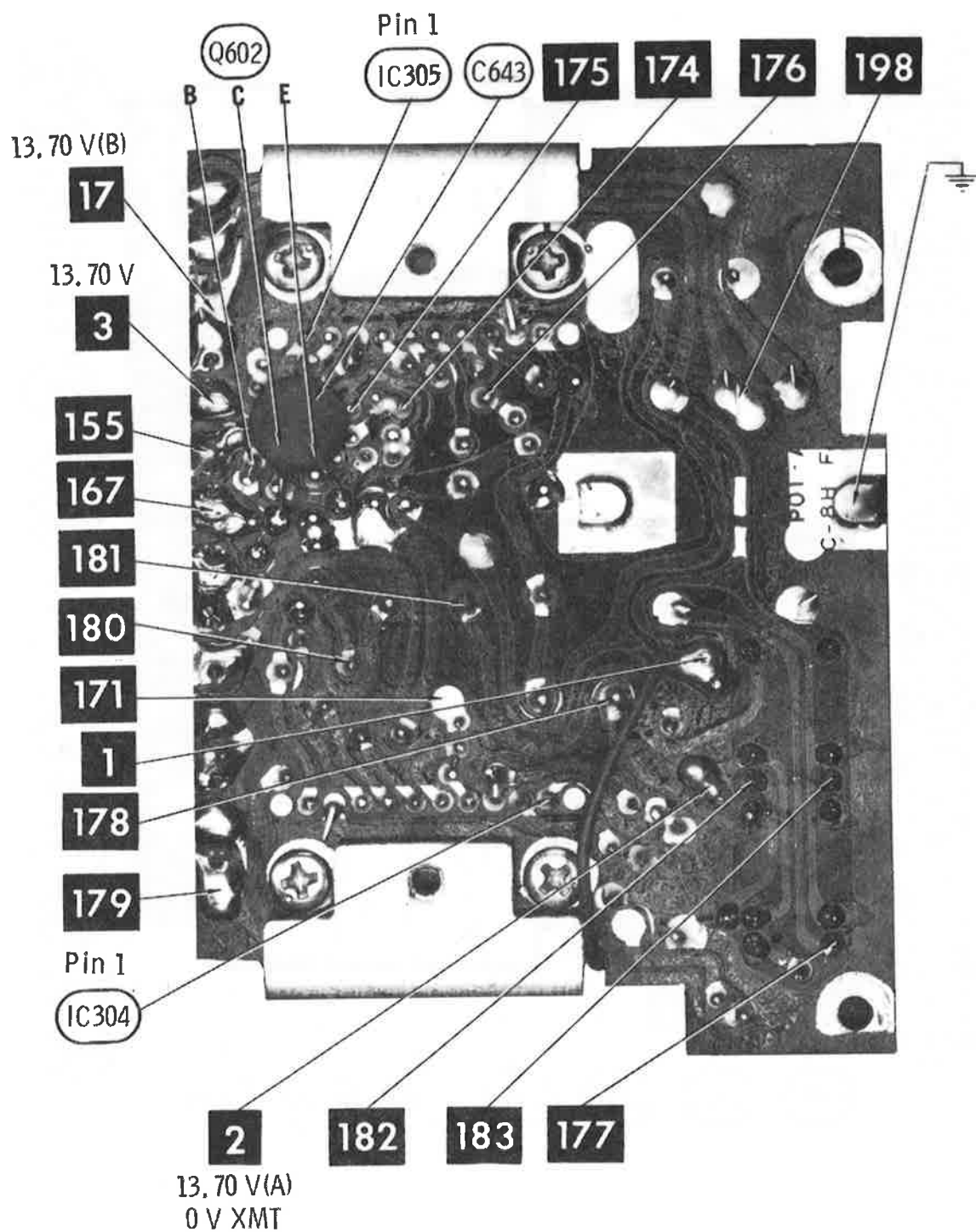


PLL BOARD

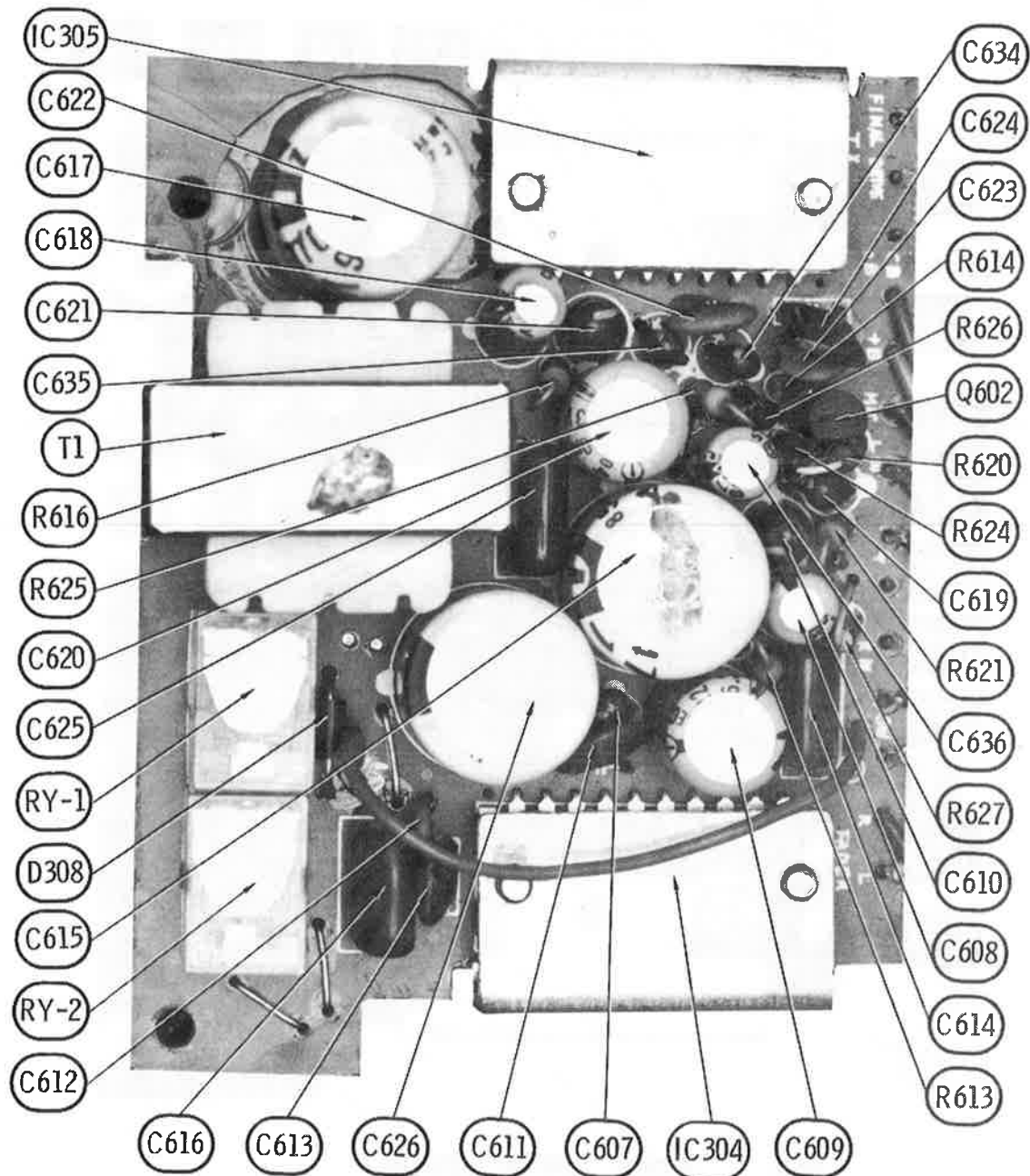


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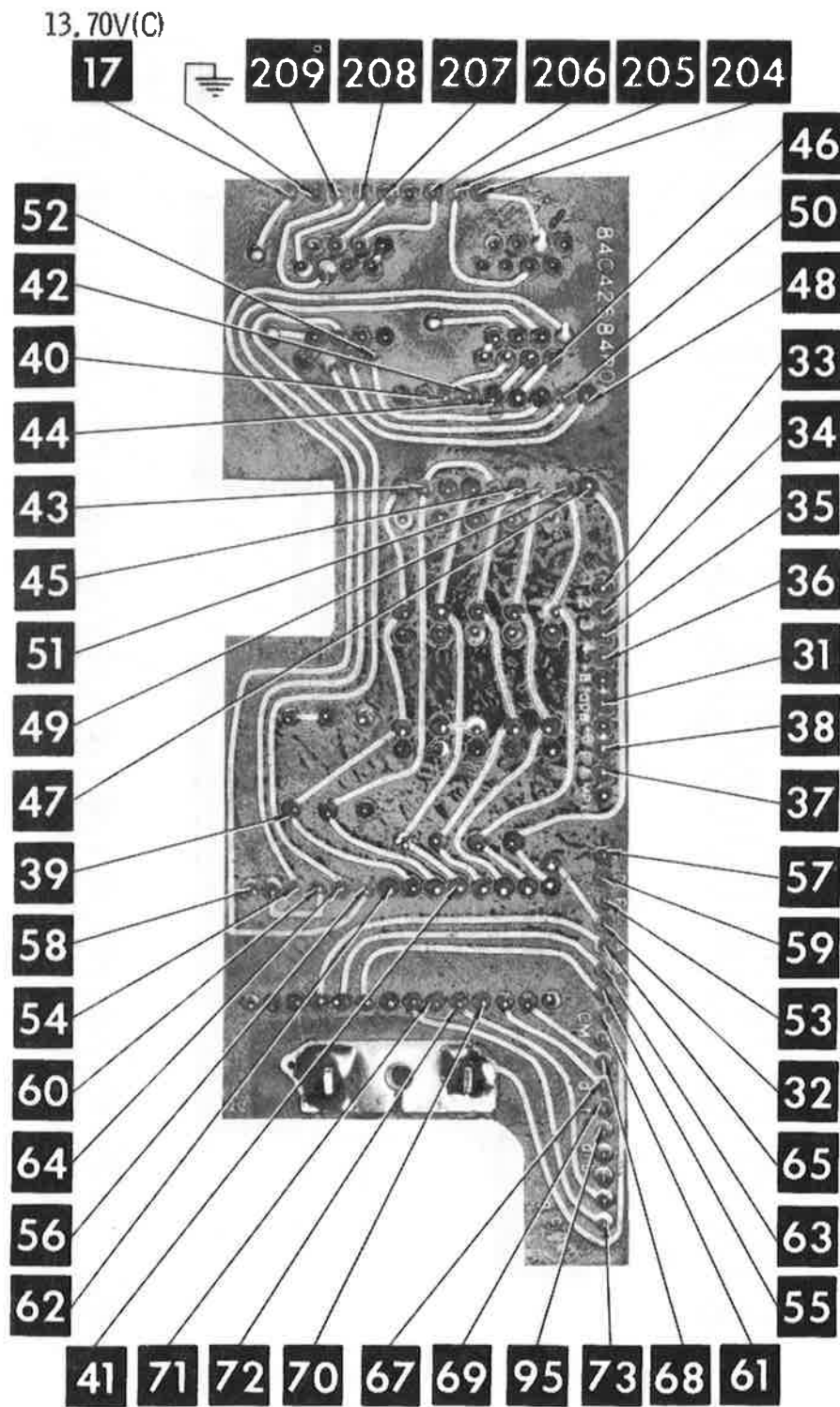
MOTOROLA MODEL CT950AX



AUDIO BOARD

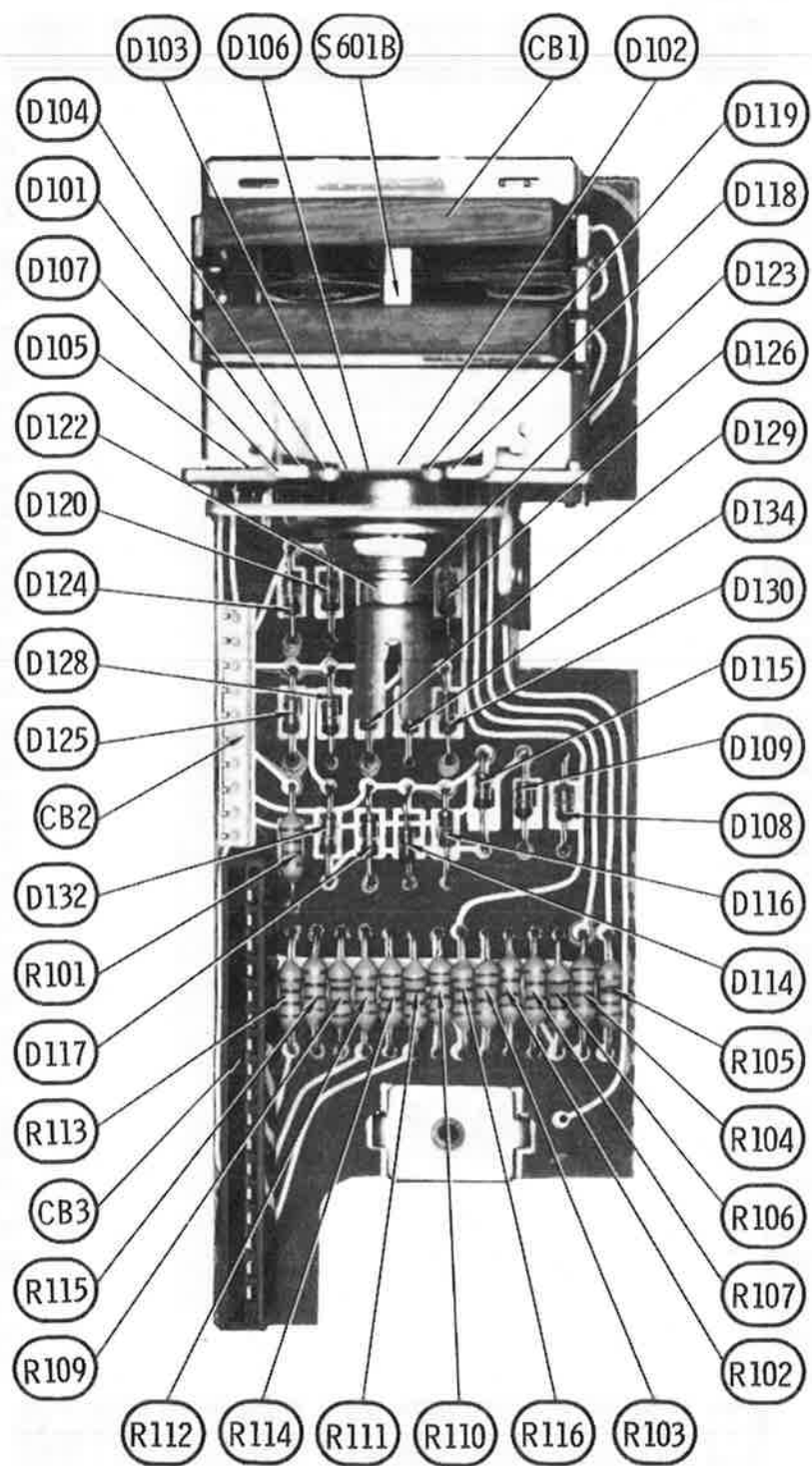


AUDIO BOARD

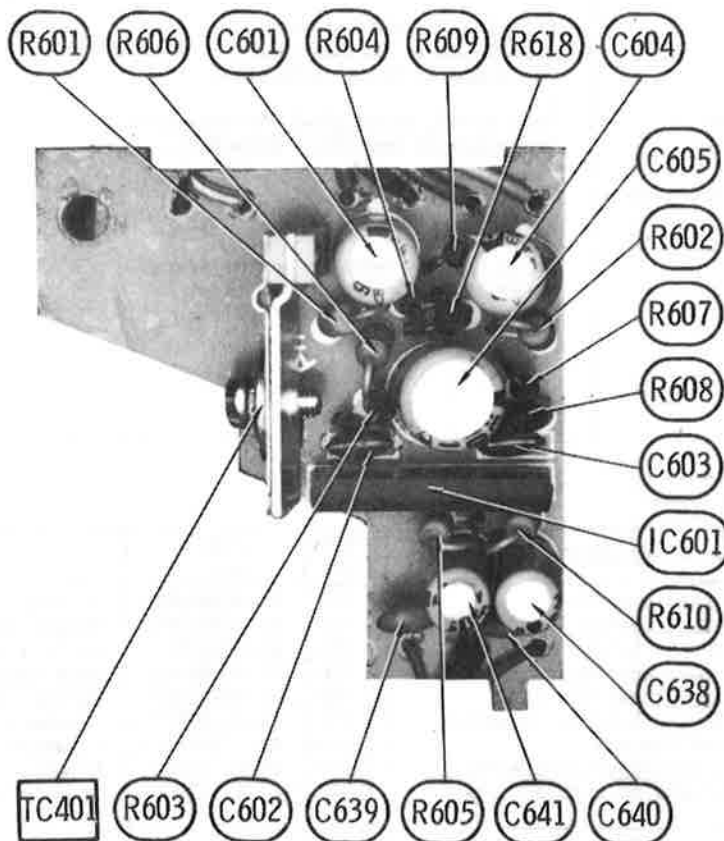
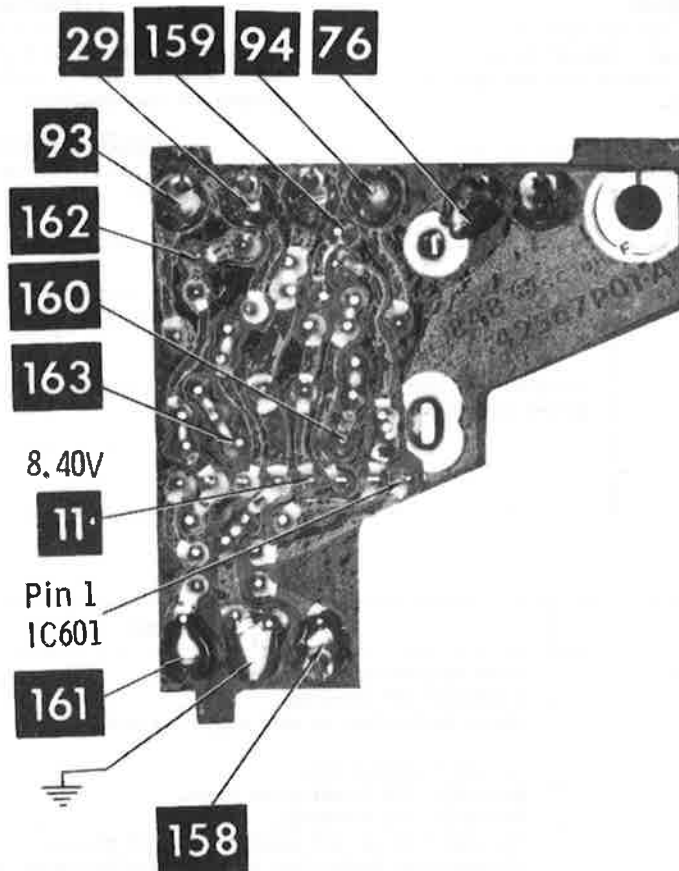


MOTOROLA MODEL CT950AX

CH. SELECTOR BOARD



CH. SELECTOR BOARD



MOTOROLA MODEL CT950AX

TAPE PREAMP

CLEANING

Clean all tape contact surfaces with a soft, lint-free material and head cleaner or methyl alcohol. Use alcohol to remove oil and grease from all driving surfaces.

CAUTION: Avoid getting head cleaner on any plastic surface.

LUBRICATING

Bearings are oil-less type and do not need lubrication. Lubricate bushings lightly with #20 machine oil. Use a light film of nonhardening grease on cam surfaces.

HEAD DEMAGNETIZING

Demagnetize head when unit is serviced. Avoid using magnetic materials near head.

ADJUSTMENTS

ADJUST	REMARKS
Head Azimuth	Play a test cartridge and adjust Screw 110 for maximum on meter across output.
Head Height	Play a test cartridge, follow instructions with cartridge and adjust Screw 109 for proper response.

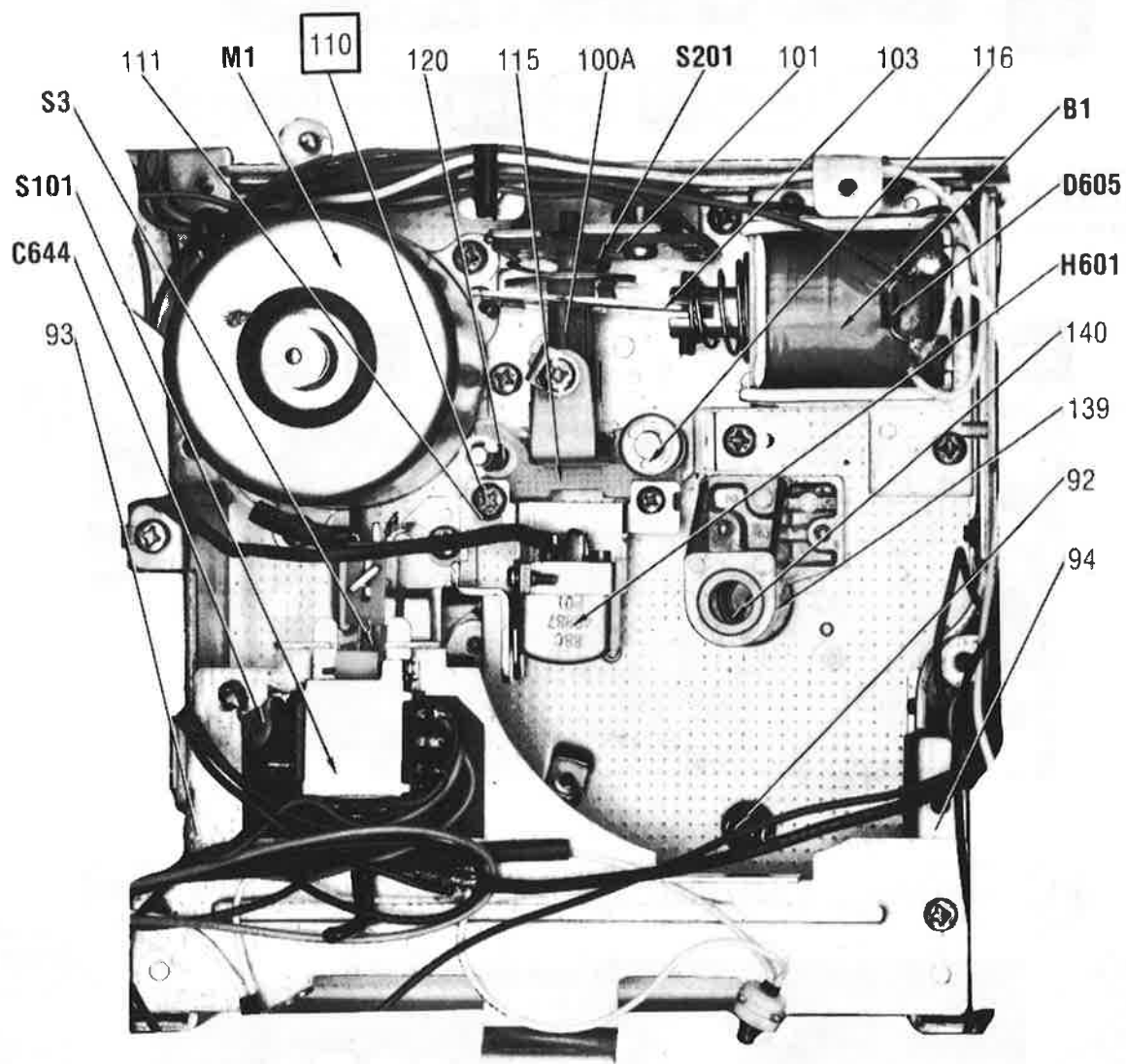
TROUBLE CHART

SYMPTOM	REMARKS
Capstan does not rotate	Belt 136 dirty, worn, or broken. Assembly 139 binding. Motor defective or not supplied with power.
Track-shift mechanism inoperative	Switch 3 defective. Assembly 103 binding or worn. Assembly 115 binding. Springs 116 or 120 weak or out of place. Solenoid B1 defective or not supplied with power. Cartridge defective.
Wow or flutter	Belt 136 dirty or worn. Capstan dirty or binding. Cartridge or Motor defective.
Sound weak or distorted	Head dirty, misaligned, or defective. Cartridge or Amplifier defective.
Tape is pulled from cartridge	Cartridge defective. Capstan dirty or scored.
Tape play intermittent or inoperative	Guide 93 & 94 worn or out of place. Spring 92 weak or out of place. Cartridge binding or defective.

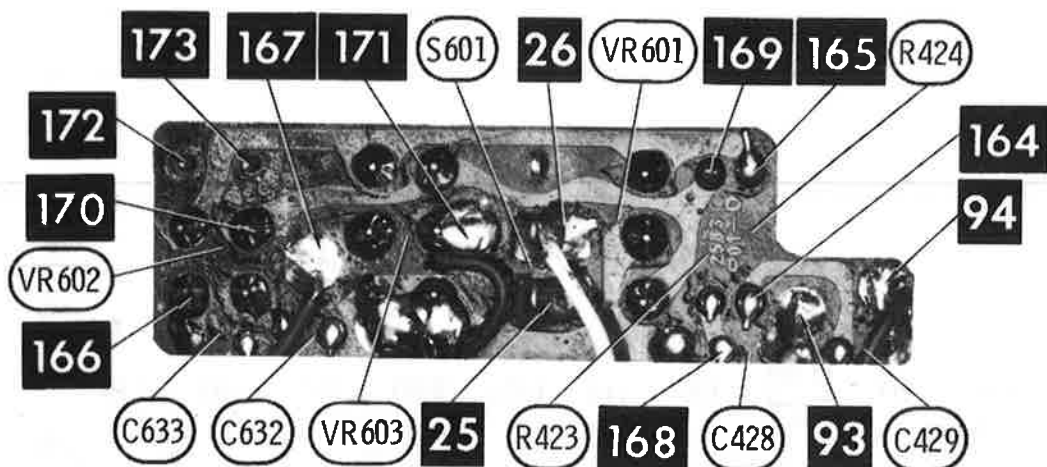
MECHANICAL PARTS LIST

REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
91	41-40253J01	Solenoid Spring	111	41-40889J08	Azimuth Spring
92	41-43572P01	Detent Spring	112	41-40889J05	Height Spring
93	43-41217G01	Left Cartridge Guide	115	43-43807201	Guide Sleeve
94	43-43826G01	Right Cartridge Guide	116	41-40889J06	Head Assembly Spring
101	41-41943J01	Cam Ratchet Spring	120	41-40889J07	Balance Spring
103	1-43700J07	Plunger Ratchet Assembly	132	49-42307P01	Flywheel
106	7-43186P01	Head Bracket	136*	42-42308P01*	Flywheel Drive-Belt*
109	3-44008P01	Height Adjustment Screw	139	15-43763J01	Flywheel Housing
110	3-40011G22	Azimuth Adjustment Screw	140	43-42137B02	Capstan Bearing

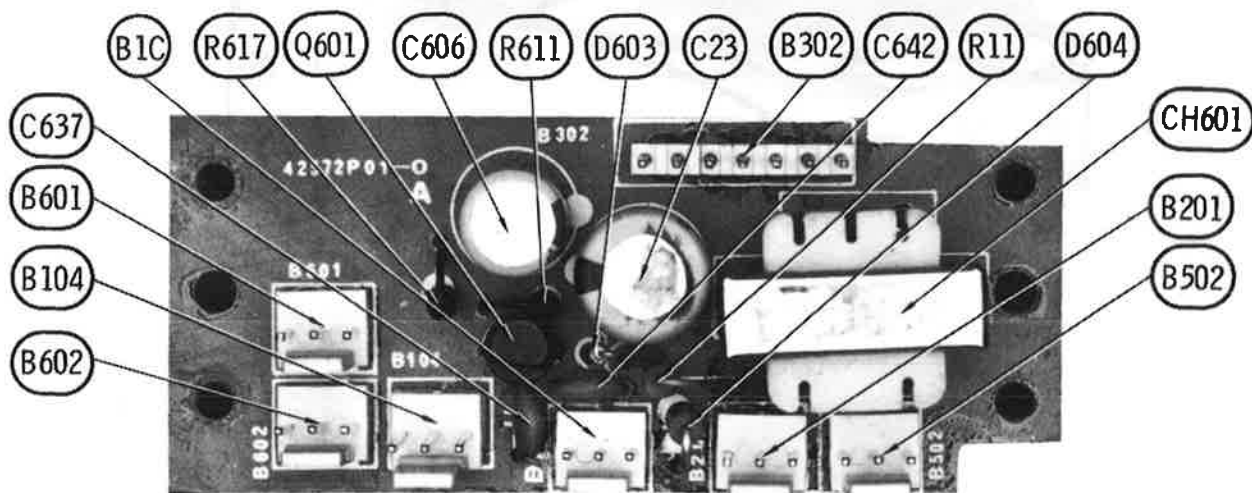
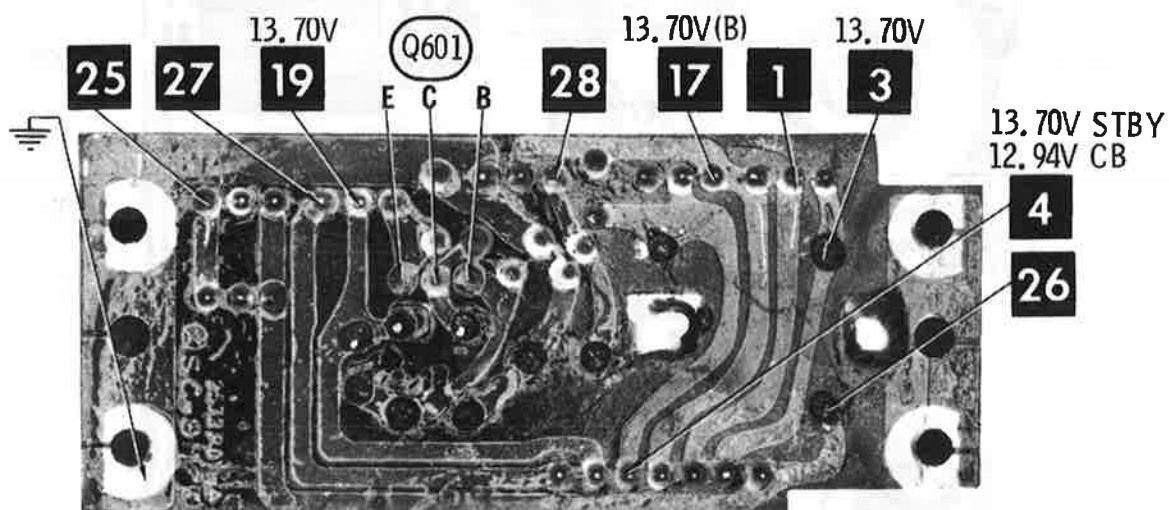
* Flywheel Drive Belt: E-V/GAME Replacement Number 1407-70.
WALSCO Replacement Number 1424-30.



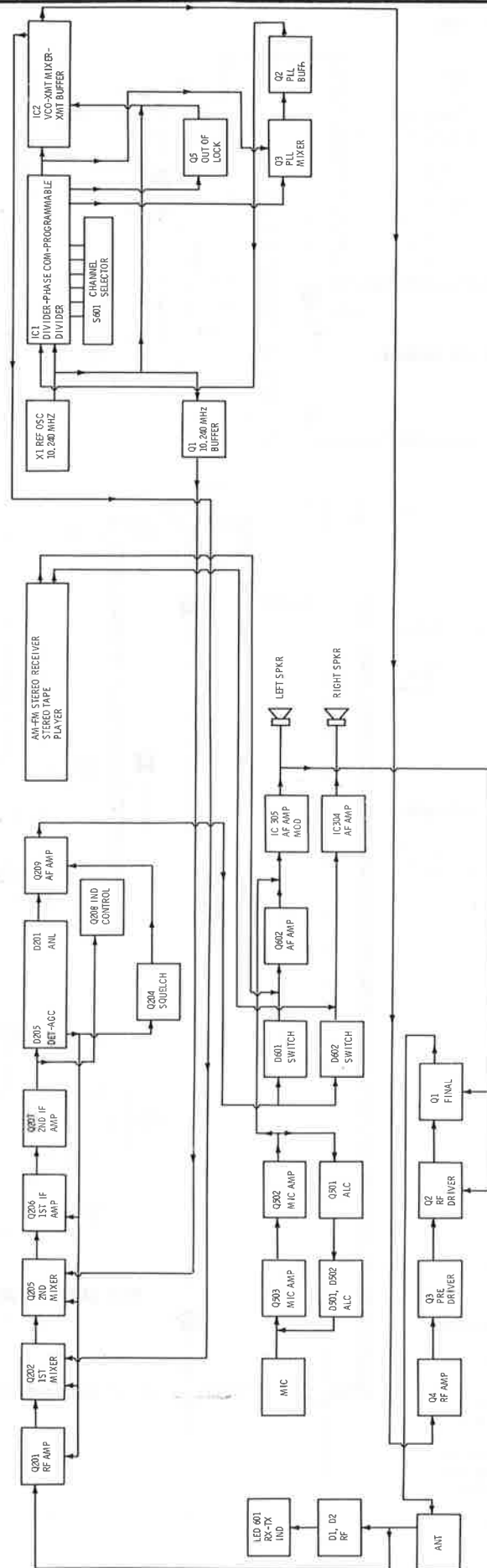
TAPE DECK



CONTROL BOARD

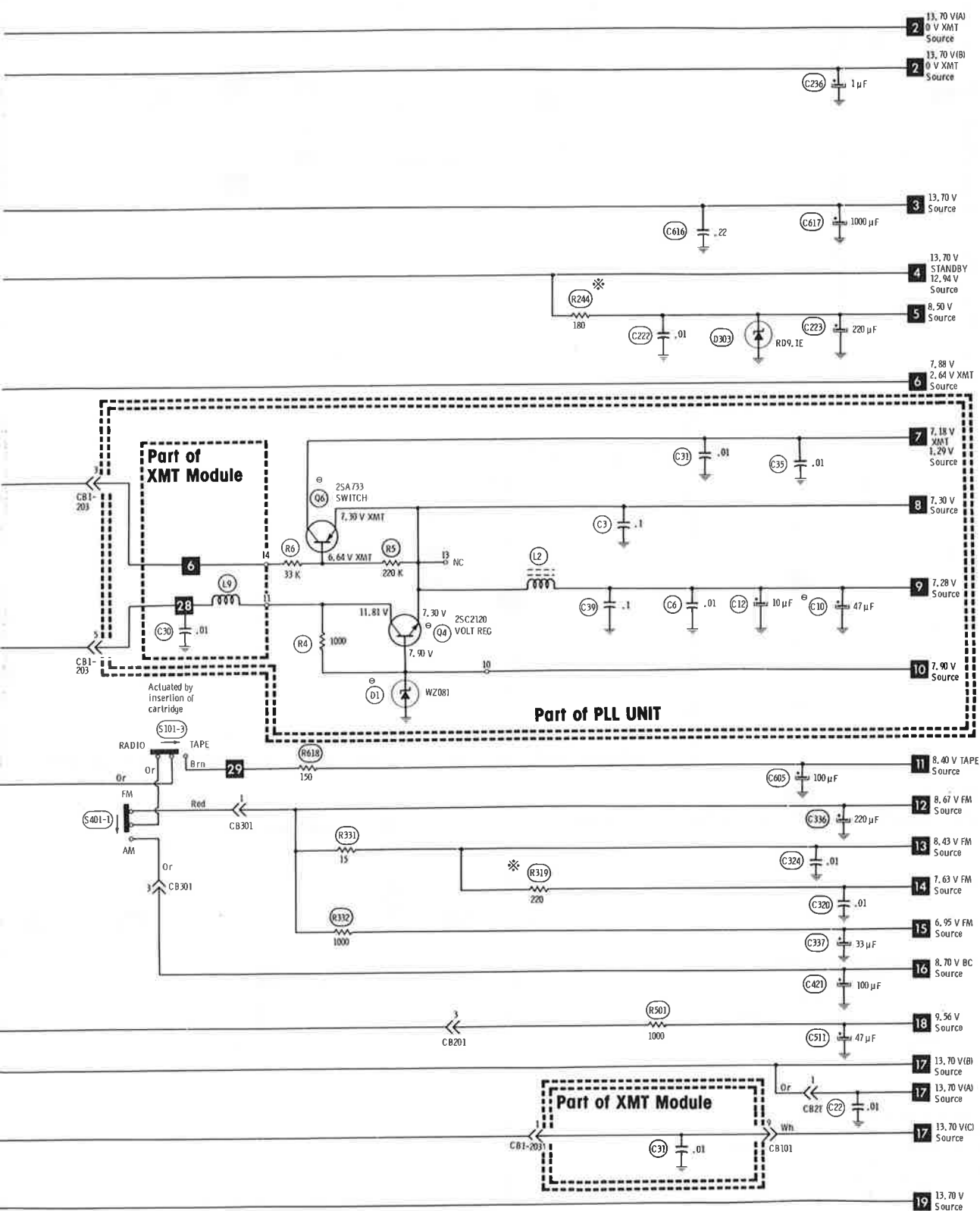


POWER SUPPLY BOARD

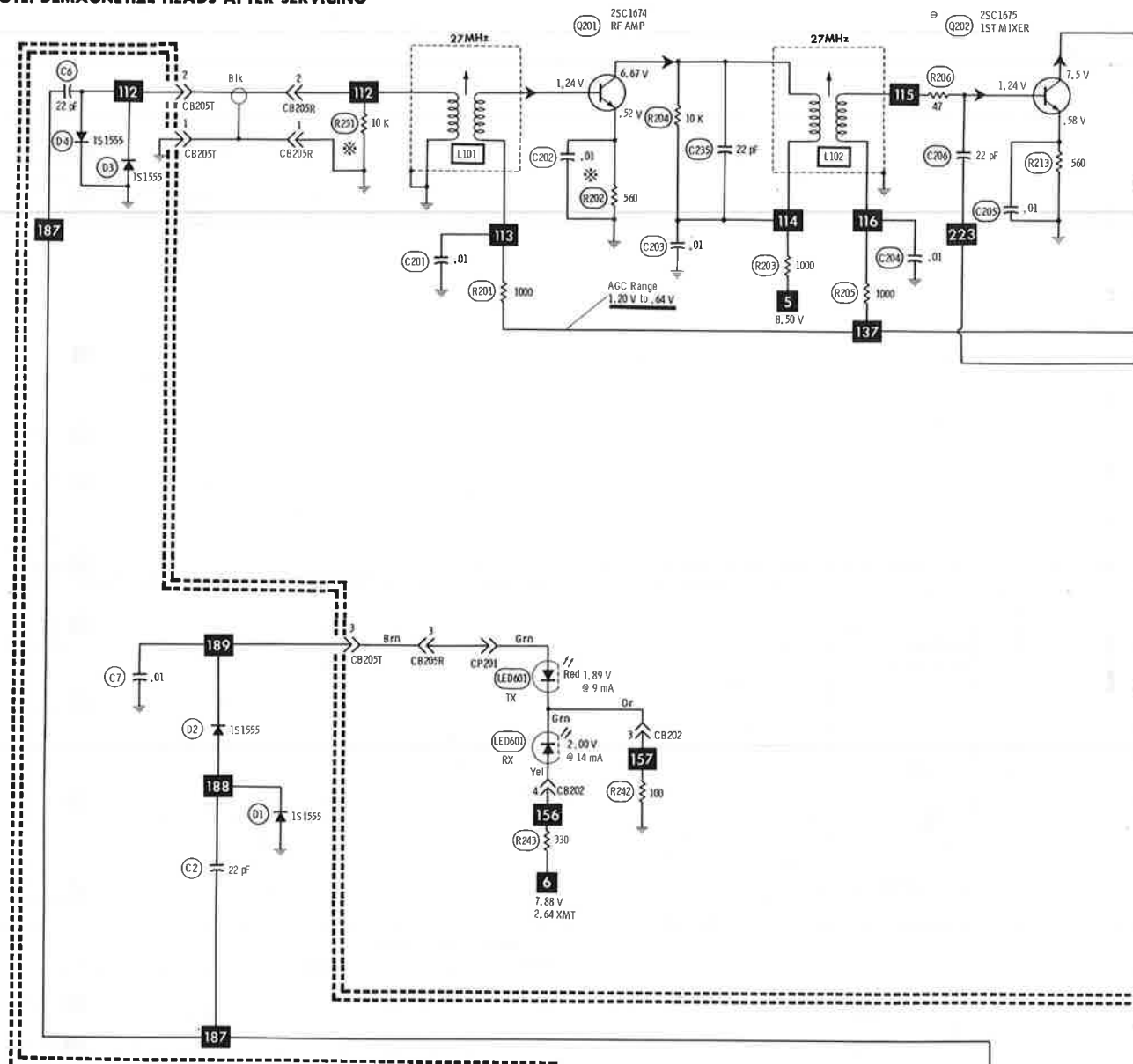


WITH **CIRCUITRACE[®]**

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NOTE: DEMAGNETIZE HEADS AFTER SERVICING

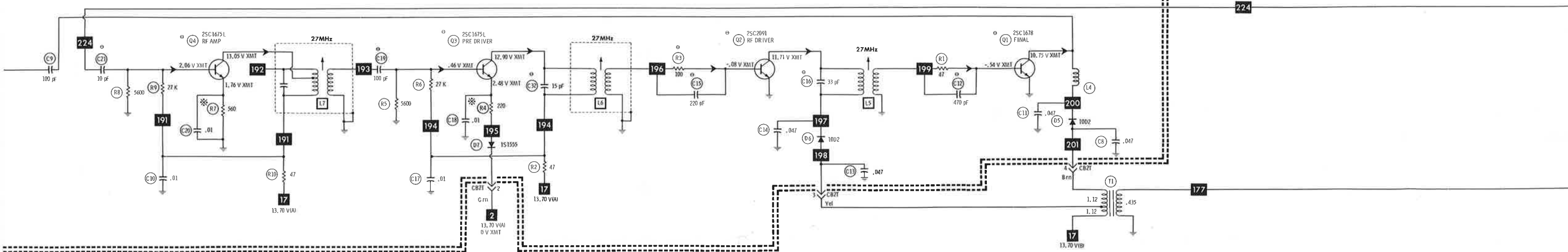
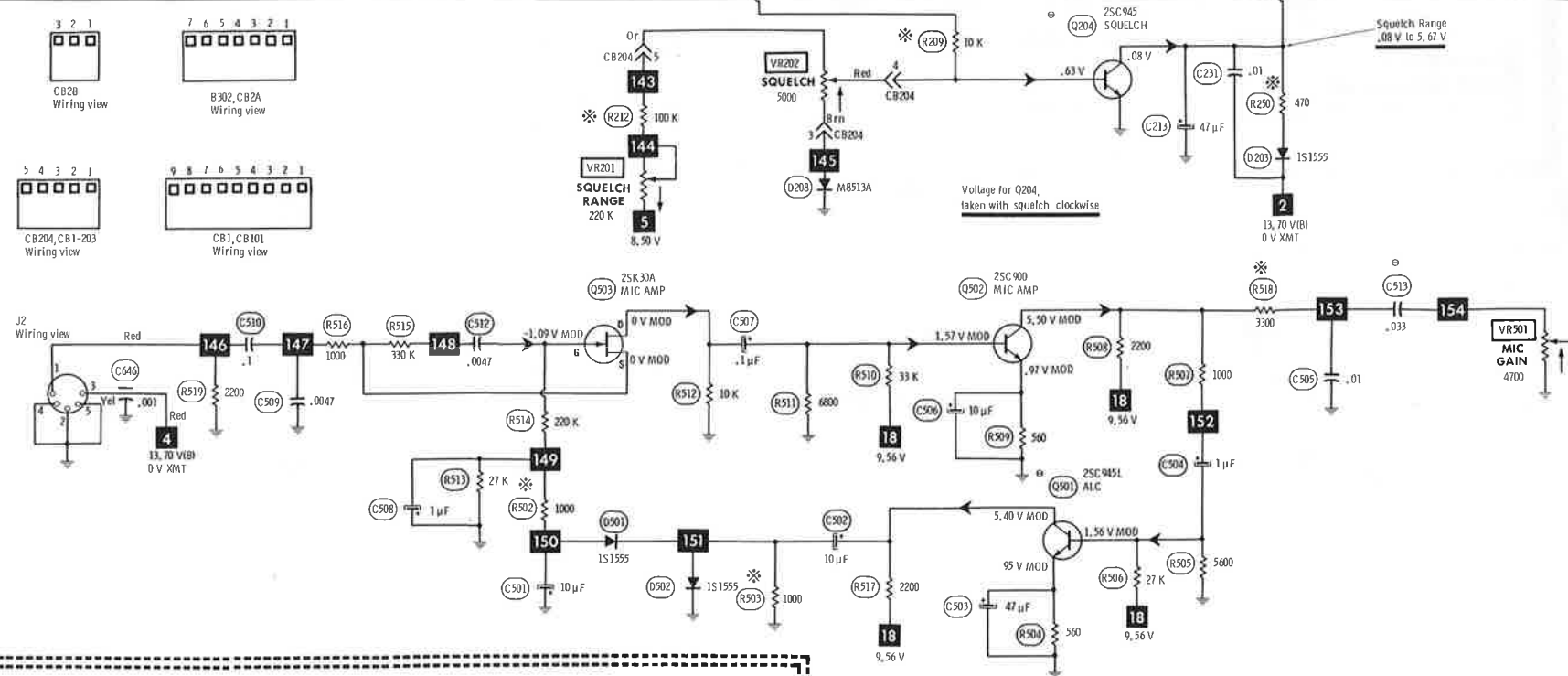
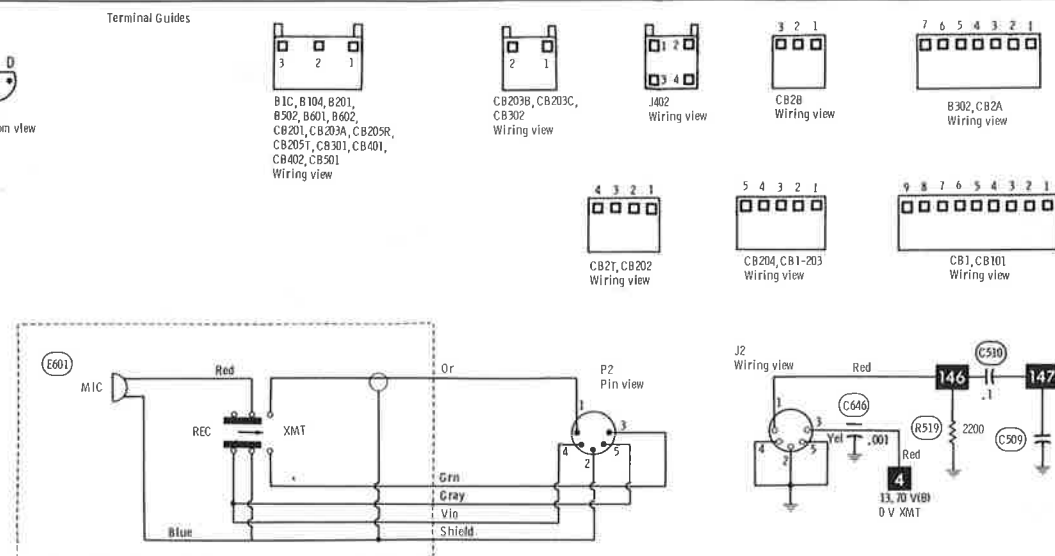
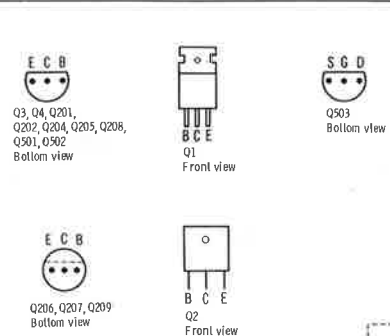
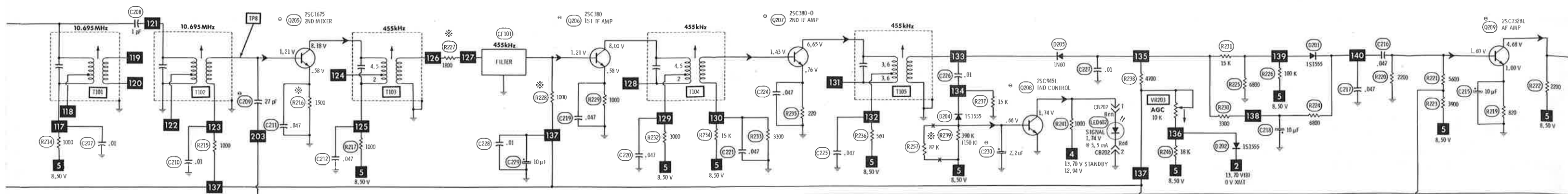


- *— Circuitry not used in some versions
- - - Circuitry used in some versions
- Chassis
- Common tie point
- Signal path
- Voltage path
- See parts list
- Nominal value
- Ground

Measurements 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**

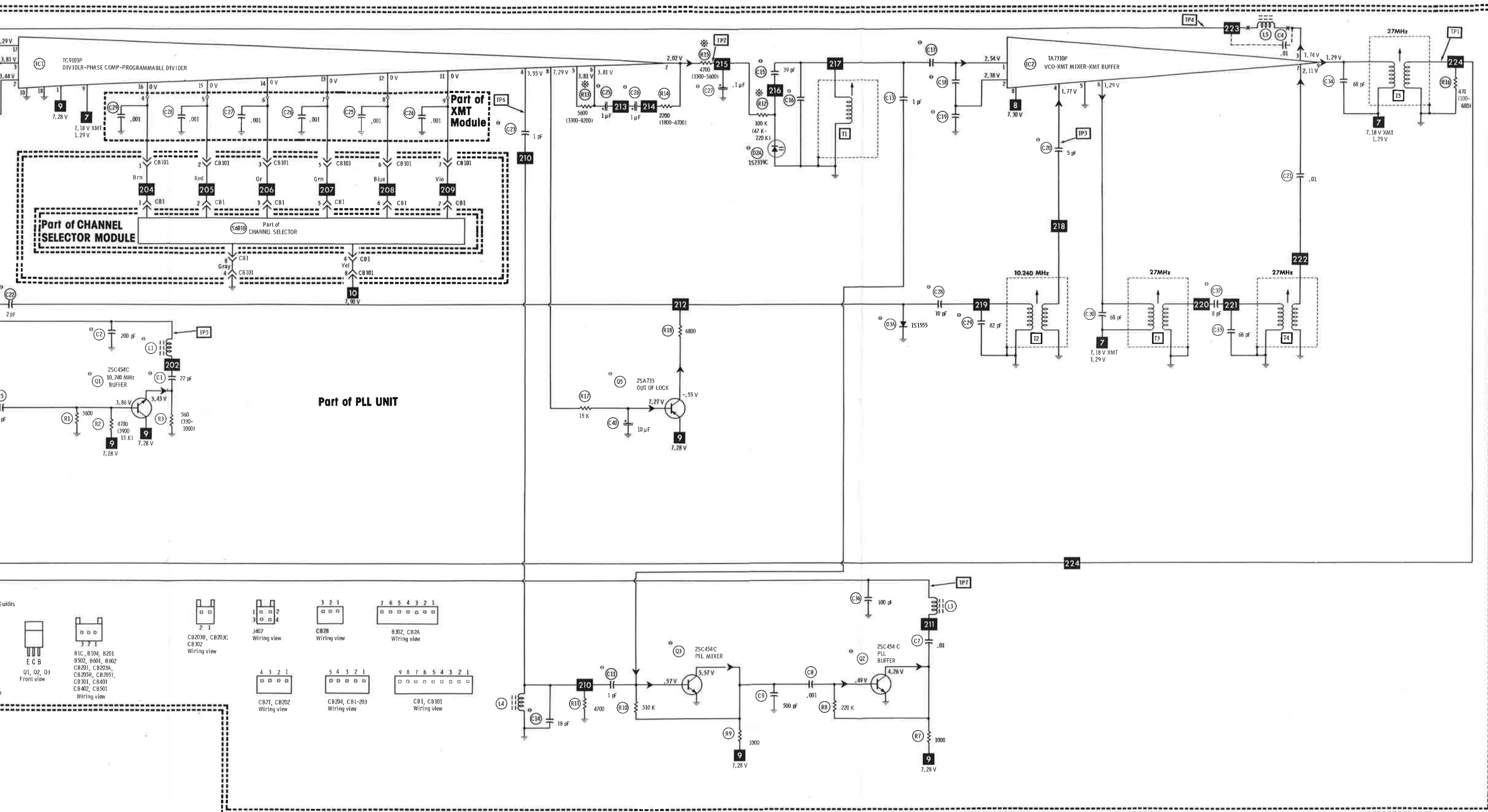
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CB SCHEMATIC



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PLL SCHEMATIC

MOTOROLA MODEL CT950AX

PARTS LIST AND DESCRIPTION

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

WIRING DATA

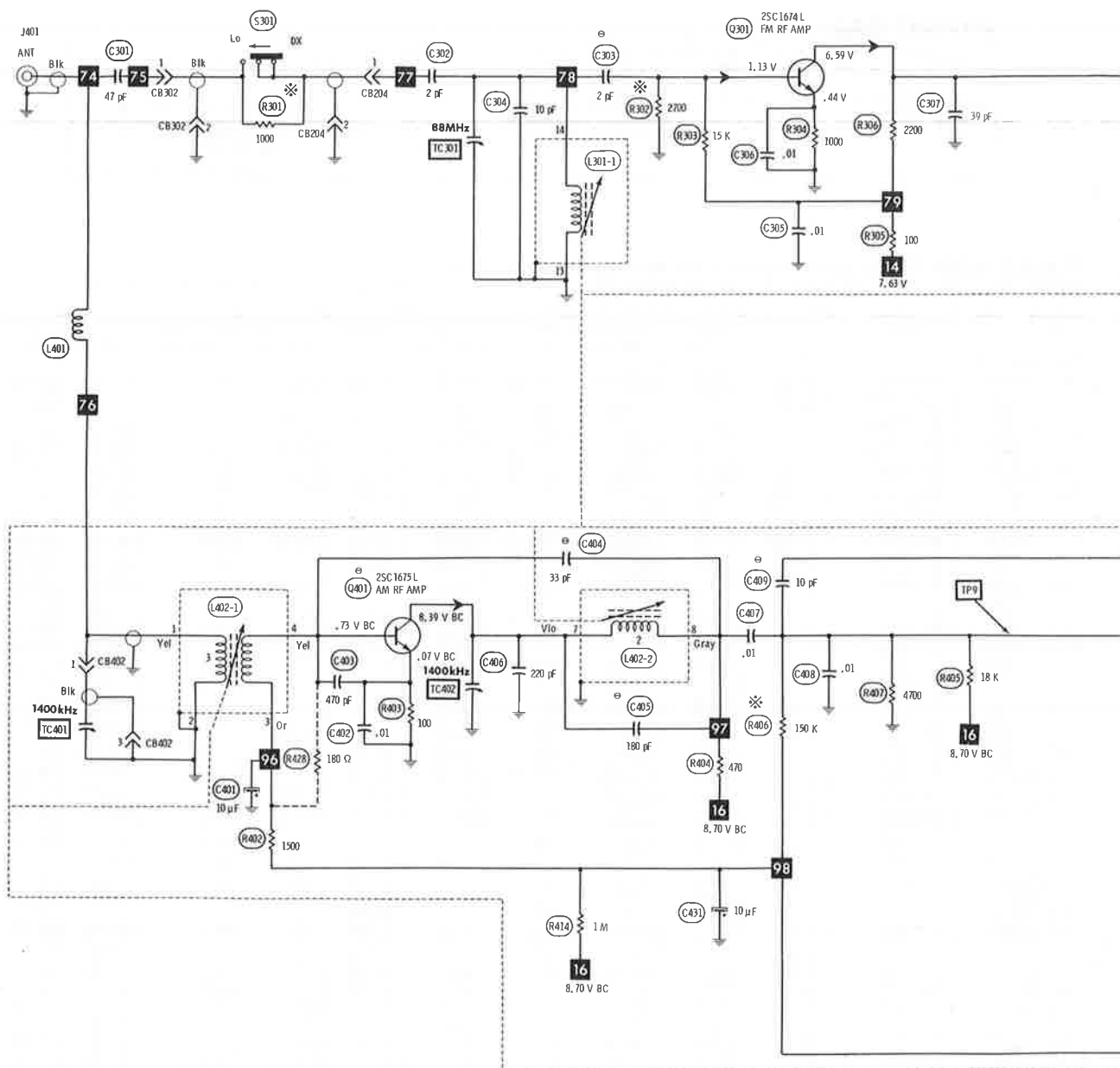
General-use Hook-up Wire (available in 5 colors)	BELDEN No. 8523	Coiled Microphone Cable	
Shielded Hook-up Wire (spiral wrapped)	BELDEN No. 8421	3-conductor (1 shielded) 23AWG	BELDEN No. 9471 (5')
(braided)	BELDEN No. 8401		BELDEN No. 8497 (6')
Speaker Cable (available in 4 colors)	BELDEN No. 8782		BELDEN 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')

SEMICONDUCTORS (Select replacement transistor for best results)

ITEM No.	TYPE No.	MFG. 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.
MAIN BOARD												
D1	1S1555 SFD43	48-134816 48-40738P01	GE-300 GE-300	PTC214 PTC214	HEPRO602 HEPRO602	REN 177 REN 177	SK3100 SK3100	RT-218 RT-218	ECG177 ECG177	TM177 TM177	WEP1062 WEP1062	103-131 103-131
D2	1S1555 SFD43	48-134816 48-40738P01	GE-300 GE-300	PTC214 PTC214	HEPRO602 HEPRO602	REN 177 REN 177	SK3100 SK3100	RT-218 RT-218	ECG177 ECG177	TM177 TM177	WEP1062 WEP1062	103-131 103-131
D3	1S1555 SFD43	48-134816 48-40738P01	GE-300 GE-300	PTC214 PTC214	HEPRO602 HEPRO602	REN 177 REN 177	SK3100 SK3100	RT-218 RT-218	ECG177 ECG177	TM177 TM177	WEP1062 WEP1062	103-131 103-131
D4	1S1555 SFD43	48-134816 48-40738P01	GE-300 GE-300	PTC214 PTC214	HEPRO602 HEPRO602	REN 177 REN 177	SK3100 SK3100	RT-218 RT-218	ECG177 ECG177	TM177 TM177	WEP1062 WEP1062	103-131 103-131
D5	10E2 SR1K-2	48-40235G02 48-40739P01	GE-504A GE-504A	PTC201 PTC201	HEPRO052 HEPRO052	REN 116 REN 116	SK3311 SK3311	RT-213 RT-213	ECG116 ECG116	TM116 TM116	WEP156 WEP156	212-76-02 212-76-02
D6	10E2 SR1K-2	48-40235G02 48-40739P01	GE-504A GE-504A	PTC201 PTC201	HEPRO052 HEPRO052	REN 116 REN 116	SK3311 SK3311	RT-213 RT-213	ECG116 ECG116	TM116 TM116	WEP156 WEP156	212-76-02 212-76-02
D7	1S1555 SFD43	48-134816 48-40738P01	GE-300 GE-300	PTC214 PTC214	HEPRO602 HEPRO602	REN 177 REN 177	SK3100 SK3100	RT-218 RT-218	ECG177 ECG177	TM177 TM177	WEP1062 WEP1062	103-131 103-131
D101	1S1555	48-134816	GE-300	PTC214	HEPRO602	REN 177	SK3100	RT-218	ECG177	TM177	WEP1062	103-131
D102	1S1555	48-134816	GE-300	PTC214	HEPRO602	REN 177	SK3100	RT-218	ECG177	TM177	WEP1062	103-131
D103	1S1555	48-134816	GE-300	PTC214	HEPRO602	REN 177	SK3100	RT-218	ECG177	TM177	WEP1062	103-131
D104	1S1555	48-134816	GE-300	PTC214	HEPRO602	REN 177	SK3100	RT-218	ECG177	TM177	WEP1062	103-131
D105	1S1555	48-134816	GE-300	PTC214	HEPRO602	REN 177	SK3100	RT-218	ECG177	TM177	WEP1062	103-131
D106	1S1555	48-134816	GE-300	PTC214	HEPRO602	REN 177	SK3100	RT-218	ECG177	TM177	WEP1062	103-131
D107	1S1555	48-134816	GE-300	PTC214	HEPRO602	REN 177	SK3100	RT-218	ECG177	TM177	WEP1062	103-131
D108	1S1555	48-134816	GE-300	PTC214	HEPRO602	REN 177	SK3100	RT-218	ECG177	TM177	WEP1062	103-131
D109	1S1555	48-134816	GE-300	PTC214	HEPRO602	REN 177	SK3100	RT-218	ECG177	TM177	WEP1062	103-131
D114	1S1555	48-134816	GE-300	PTC214	HEPRO602	REN 177	SK3100	RT-218	ECG177	TM177	WEP1062	103-131
D115	1S1555	48-134816	GE-300	PTC214	HEPRO602	REN 177	SK3100	RT-218	ECG177	TM177	WEP1062	103-131
D116	1S1555	48-134816	GE-300	PTC214	HEPRO602	REN 177	SK3100	RT-218	ECG177	TM177	WEP1062	103-131
D117	1S1555	48-134816	GE-300	PTC214	HEPRO602	REN 177	SK3100	RT-218	ECG177	TM177	WEP1062	103-131
D118	1S1555	48-134816	GE-300	PTC214	HEPRO602	REN 177	SK3100	RT-218	ECG177	TM177	WEP1062	103-131
D119	1S1555	48-134816	GE-300	PTC214	HEPRO602	REN 177	SK3100	RT-218	ECG177	TM177	WEP1062	103-131
D120	1S1555	48-134816	GE-300	PTC214	HEPRO602	REN 177	SK3100	RT-218	ECG177	TM177	WEP1062	103-131
D122	1S1555	48-134816	GE-300	PTC214	HEPRO602	REN 177	SK3100	RT-218	ECG177	TM177	WEP1062	103-131
D123	1S1555	48-134816	GE-300	PTC214	HEPRO602	REN 177	SK3100	RT-218	ECG177	TM177	WEP1062	103-131
D124	1S1555	48-134816	GE-300	PTC214	HEPRO602	REN 177	SK3100	RT-218	ECG177	TM177	WEP1062	103-131
D125	1S1555	48-134816	GE-300	PTC214	HEPRO602	REN 177	SK3100	RT-218	ECG177	TM177	WEP1062	103-131
D126	1S1555	48-134816	GE-300	PTC214	HEPRO602	REN 177	SK3100	RT-218	ECG177	TM177	WEP1062	103-131
D128	1S1555	48-134816	GE-300	PTC214	HEPRO602	REN 177	SK3100	RT-218	ECG177	TM177	WEP1062	103-131
D129	1S1555	48-134816	GE-300	PTC214	HEPRO602	REN 177	SK3100	RT-218	ECG177	TM177	WEP1062	103-131
D130	1S1555	48-134816	GE-300	PTC214	HEPRO602	REN 177	SK3100	RT-218	ECG177	TM177	WEP1062	103-131
D132	1S1555 SFD43	48-134816 48-40738P01	GE-300 GE-300	PTC214 PTC214	HEPRO602 HEPRO602	REN 177 REN 177	SK3100 SK3100	RT-218 RT-218	ECG177 ECG177	TM177 TM177	WEP1062 WEP1062	103-131 103-131
D134	1S1555 SFD43	48-134816 48-40738P01	GE-300 GE-300	PTC214 PTC214	HEPRO602 HEPRO602	REN 177 REN 177	SK3100 SK3100	RT-218 RT-218	ECG177 ECG177	TM177 TM177	WEP1062 WEP1062	103-131 103-131
D201	1S1555	48-134816	GE-300	PTC214	HEPRO602	REN 177	SK3100	RT-218	ECG177	TM177	WEP1062	103-131
D202	1S1555	48-134816	GE-300	PTC214	HEPRO602	REN 177	SK3100	RT-218	ECG177	TM177	WEP1062	103-131
D203	1S1555	48-134816	GE-300	PTC214	HEPRO602	REN 177	SK3100	RT-218	ECG177	TM177	WEP1062	103-131
D204	1S1555	48-134816	GE-300	PTC214	HEPRO602	REN 177	SK3100	RT-218	ECG177	TM177	WEP1062	103-131
D205	1N60	48-41768G01	1N60	PTC206	HEPR9135	REN 109	SK3088	RT-263	ECG109	TM109/**	WEP134	103-29001
D206	1S1555	48-134816	GE-300	PTC214	HEPRO602	REN 177	SK3100	RT-218	ECG177	TM177	WEP1062	103-131
D207	RD9, 1E	48-41873J02	GEZD-9, 1	ZB9, 1B	HEPRO602	REN 139	SK3060	RT-240	ECG139A	TM139/**	WEP1109	103-272
D208	M8515	48-44080J05	GEZD-9, 1	ZB9, 1B		REN 139	SK3060	RT-240	ECG139A	TM139/**	WEP1109	103-272
D301	1S2236 ITT410	48-2503P01			HEPR2502 HEPR2502	REN 612 REN 612			ECG612 ECG612			103-176 103-176
D303	RD9, 1E	48-41873J02	GEZD-9, 1	ZB9, 1B		REN 139	SK3060	RT-240	ECG139A	TM139/**	WEP1109	103-272
D308	10E2	48-40235G02	GE-504A	PTC201	HEPRO052	REN 116	SK3311	RT-213	ECG116	TM116	WEP156	212-76-02
	SRK-2	48-40739P01	GE-504A	PTC201	HEPRO052	REN 116	SK3311	RT-213	ECG116	TM116	WEP156	212-76-02
	10D2		GE-504A	PTC201	HEPRO052	REN 116	SK3311	RT-213	ECG116	TM116	WEP156	212-76-02
D401	1S1555	48-134816	GE-300	PTC214	HEPRO602	REN 177	SK3100	RT-218	ECG177	TM177	WEP1062	103-131
D402	1N60	48-41768G01	1N60	PTC206	HEPR9135	REN 109	SK3088	RT-263	ECG109	TM109/**	WEP134	103-29001
D403	1S1555	48-134816	GE-300	PTC214	HEPRO602	REN 177	SK3100	RT-218	ECG177	TM177	WEP1062	103-131
D404	1S1555	48-134816	GE-300	PTC214	HEPRO602	REN 177	SK3100	RT-218	ECG177	TM177	WEP1062	103-131
D501	1S1555	48-134816	GE-300	PTC214	HEPRO602	REN 177	SK3100	RT-218	ECG177	TM177	WEP1062	103-131
D502	1S1555	48-134816	GE-300	PTC214	HEPRO602	REN 177	SK3100	RT-218	ECG177	TM177	WEP1062	103-131
D601	1S1555 SFD43	48-134816 48-40738P01	GE-300 GE-300	PTC214 PTC214	HEPRO602 HEPRO602	REN 177 REN 177	SK3100 SK3100	RT-218 RT-218	ECG177 ECG177	TM177 TM177	WEP1062 WEP1062	103-131 103-131
D602	1S1555 SFD43	48-134816 48-40738P01	GE-300 GE-300	PTC214 PTC214	HEPRO602 HEPRO602	REN 177 REN 177	SK3100 SK3100	RT-218 RT-218	ECG177 ECG177	TM177 TM177	WEP1062 WEP1062	103-131 103-131
D603	RD10, 0E	48-41873J03	GEZD-10	ZB10B		REN 140	SK3061	RT-241	ECG140A	TM140/**	WEP1110	103-29010
D604	10E2	48-40235G02	GE-504A	PTC201	HEPRO052	REN 116	SK3311	RT-213	ECG116	TM116	WEP156	212-76-02
	SRK-2	48-40739P01	GE-504A	PTC201	HEPRO052	REN 116	SK3311	RT-213	ECG116	TM116	WEP156	212-76-02
D605	10E2 10D2	48-40235G02	GE-504A	PTC201	HEPRO052	REN 116	SK3311	RT-213	ECG116	TM116	WEP156	212-76-02
FET1	2SK30A	48-43467J01	GE-FET-2	PTC161	HEPF0021	REN 132	SK3448	RT-175	ECG312	TM312	WEP920	121-756
IC301	TA7130P-B TA7130P-C	51-44789J01 51-44789J02	GEIC-181 GEIC-181				SK3487 SK3487		ECG1234 ECG1234			
IC302	HA1156W MC1310P	51-40464P01 51-42908J01	GEIC-35 GEIC-35	PTC735 PTC735	HEPC6096P HEPC6096P	REN 801 REN 801	SK3160 SK3160	TVCM-73 TVCM-73	ECG801 ECG801	MC1310P MC1310P	WEP2075 WEP2075	221-29027 221-29027
IC304	HA1342A	51-44837J04	GEIC-64				SK3708		ECG1239			
IC305	HA1342A	51-44837J04	GEIC-64				SK3708		ECG1239			

MOTOROLA MODEL CT950AX

NOTE: DEMAGNETIZE HEADS AFTER SERVICING



- ✖ Circuitry not used in some versions
 --- Circuitry used in some versions
 Chassis  See parts list
 Common tie point  Nominal value
 Signal path  Ground
 Voltage path

Measurements made in Channel 1 with switching as shown unless noted.

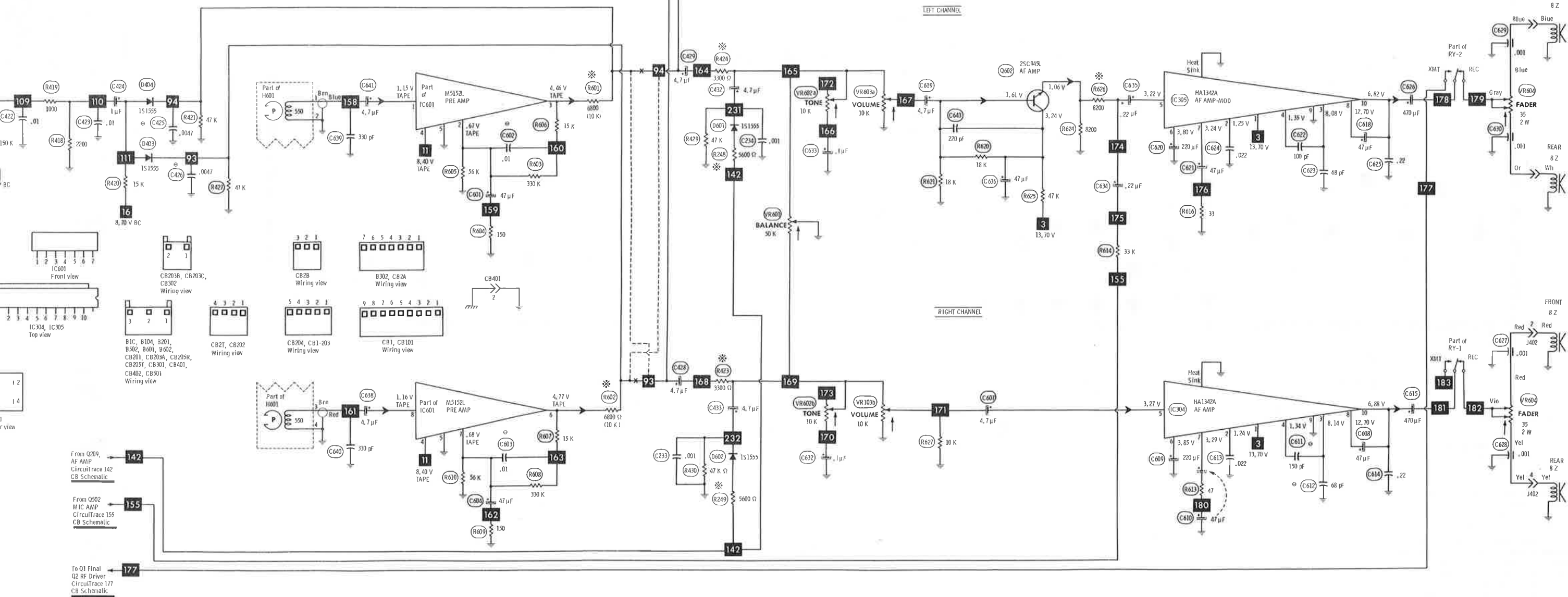
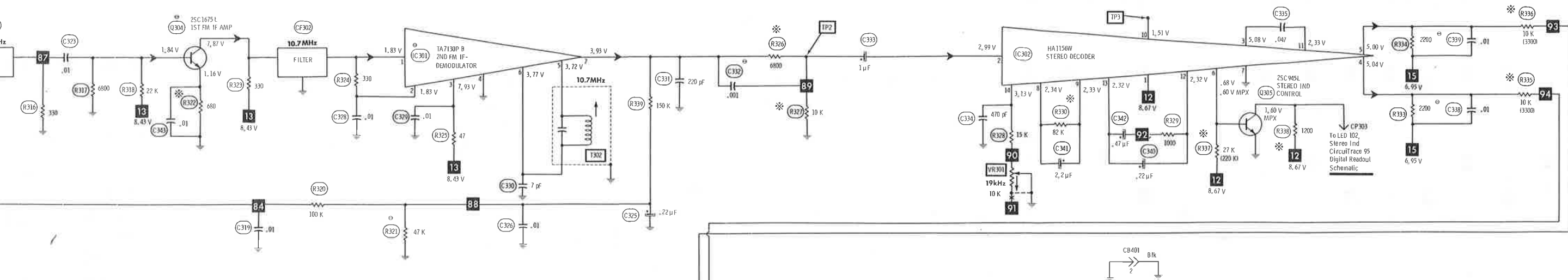
Item numbers in rectangles appear in the alignment/adjustment instructions.

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.

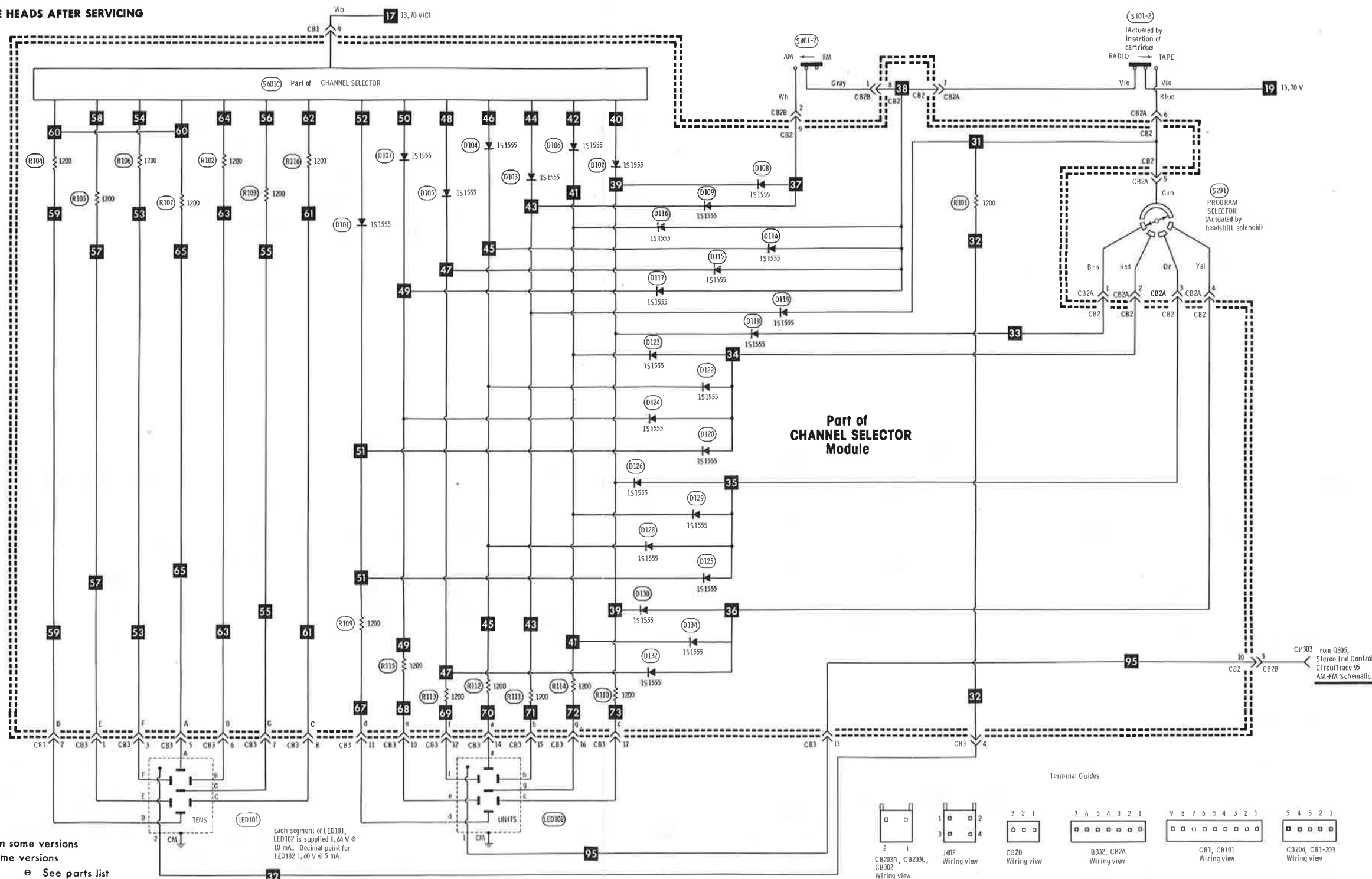
A PHOTOFACI STANDARD NOTATION SCHEMATIC
WITH **CIRCUITRACE[®]**

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AM-FM SCHEMATIC

NOTE: DEMAGNETIZE HEADS AFTER SERVICING



 Circuitry not used in some versions
 Circuitry used in some versions
 Chassis  See parts list
 Common tie point  Nominal value
 Signal path  Ground
 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.

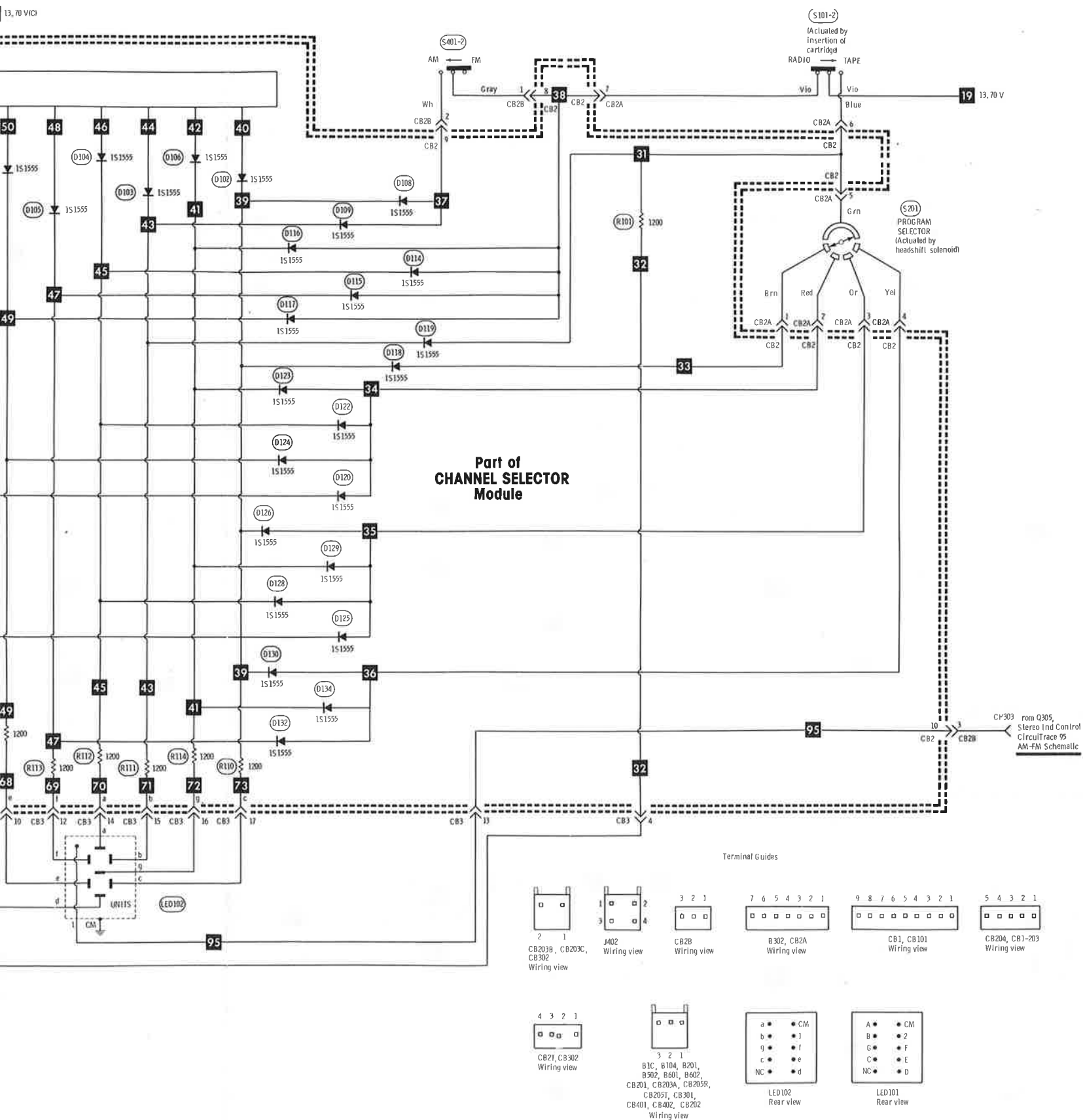
A PHOTOFACT STANDARD NOTATION SCHEMATIC
WITH **CIRCUITRACE**®

CHANNEL SELECTOR SCHEMATIC

SEMICONDUCTORS

ITEM No.	TYPE No.	MFGR. PART No.
IC601	M5152L	51-42211P01
Q1	2SC1678	48-40764P01
	2SC2092	48-42885P01
Q2	2SC495T	48-40734P01
	2SC209T	48-42884P01
Q3	2SC1675L	48-44580J02
Q4	2SC1675L	48-44580J02
Q201	2SC1674L	48-40732P02
Q202	2SC1675L	48-44580J02
Q204	2SC494L	48-44578J01
Q205	2SC1675L	48-44580J02
Q206	2SC380-0	48-42191G01
Q207	2SC380-0	48-42191G01
Q208	2SC494L	48-44578J01
Q209	2SC732BL	
	2SC732	48-40246G01
	2SC900	48-40149P01
Q301	2SC1674L	48-40732P02
Q302	JSP7005	48-43992J01
Q303	2SC1674L	48-40732P02
Q304	2SC1675L	48-44580J02
Q305	2SC494L	48-44578J01
Q401	2SC1675L	48-44580J02
Q402	2SC1675L	48-44580J02
Q403	2SC494L	48-44578J01
Q501	2SC494L	48-44578J01
Q502	2SC900	48-40149P01
Q601	2SC373	48-40170G01
Q602	2SC494L	48-44578J01
PLL BOARD		
D1A	WZ081	
	DZ2(8,2A)	
	RD-082	
D2A	1S2339C	
	1S2207-9	
	BB105	
	IT6	
	IT18	
D3A	1S1555	
	1S1953	
IC1	TC9103P	
IC2	TA7310P	
Q1	2SC454C	
	2SC454	
	2SC535	
	2SC829	
	2SC945	
	JA1350	
	JSP7001	
Q2	2SC2120	
	2SC454C	
	2SC454	
	2SC535	
	2SC829	
	2SC945	
	JA1350	
	JSP7001	
	2SC2120	
Q3	2SC454C	
	2SC454	
	2SC535	
	2SC829	
	2SC945	
	JA1350	
	JSP7001	
Q4	2SC2120	
	2SC454	
	2SC535	
	2SC829	
	2SC945	
	JA1350	
	JSP7001	
Q5	2SA733	
	2SA933	
	2SA673	
	JA1050	
Q6	2SC733	
	2SA933	
	2SA673	
	JA1050	

MOTOROLA MODEL CT950AX



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

			REPLACEMENT DATA										
ITEM No.	TYPE No.	MFG. PART No.	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.	
IC601 Q1	M5152L	51-42211P01	GEIC-65				SK3745		ECG1170				
	25C1678	48-40764P01	GE-322	PTC186		REN 235	SK3197	RT-146	ECG235	TM235	WEP840	121-29039	
Q2	25C2092	48-42885P01	GE-337	PTC186		REN 235	SK3197	RT-146	ECG235	TM235	WEP840*	121-29039	
	25C495T	48-40734P01	GE-270	PTC180		REN 295	SK3253	RT-162	ECG295	TM295	WEP913	121-880	
Q3	25C2091	48-42884P01	GE-270	PTC180		REN 295	SK3253		ECG295	TM295	WEP913	121-880	
	25C1675L	48-44580J02	GE-213	PTC132*	HEPS0025*	REN 229*	SK3122	RT-308	ECG229*	TM229*	WEP773	121-29021	
Q4	25C1675L	48-44580J02	GE-213	PTC132*	HEPS0025*	REN 229*	SK3122	RT-308	ECG229*	TM229*	WEP773	121-29021	
	25C1674L	48-40732P02	GE-61	PTC132*	HEPS0010*	REN 229*	SK3246	RT-308	ECG229*	TM229*	WEP784	121-29021	
Q201	25C1675L	48-44580J02	GE-213	PTC132*	HEPS0025*	REN 229*	SK3122	RT-308	ECG229*	TM229*	WEP773	121-29021	
	25C945L	48-44578J01	GE-212	PTC121*	HEPS0015*	REN 199	SK3124	RT-107A	ECG199	TM199/**	WEP1945	121-972	
Q205	25C1675L	48-44580J02	GE-213	PTC132*	HEPS0025*	REN 229*	SK3122	RT-308	ECG229*	TM229*	WEP773	121-29021	
	25C380-0	48-42191G01	GE-61*	PTC136*	HEPS0016*	REN 107	SK3018*	RT-107A	ECG107	TM107	WEP380	121-522	
Q207	25C380-0	48-42191G01	GE-61*	PTC136*	HEPS0016*	REN 107	SK3018*	RT-107A	ECG107	TM107	WEP380	121-522	
	25C945L	48-44578J01	GE-212	PTC121*	HEPS0015*	REN 199	SK3124	RT-107A	ECG199	TM199/**	WEP1945	121-972	
Q208	25C732BL		GE-62	PTC139*	HEPS0024*	REN 199	SK3122	RT-302	ECG199	TM199/**	WEP66	121-972	
	25C732	48-40246G01	GE-62	PTC139*	HEPS0024*	REN 199	SK3122	RT-302	ECG199	TM199/**	WEP66	121-972	
Q301	25C900	48-40149P01	GE-62	PTC139*	HEPS0015*	REN 199	SK3124	RT-302	ECG199	TM199/**	WEP66	121-972	
	25C1674L	48-40732P02	GE-61	PTC132*	HEPS0010*	REN 229*	SK3246	RT-308	ECG229*	TM229*	WEP784	121-29021	
Q302	J5P7005	48-43992J01	GE-62	PTC139*	HEPS0024*	REN 199	SK3122	RT-302	ECG199	TM199/**	WEP66	121-972	
	25C1674L	48-40732P02	GE-61	PTC132*	HEPS0010*	REN 229*	SK3246	RT-308	ECG229*	TM229*	WEP784	121-29021	
Q304	25C1675L	48-44580J02	GE-213	PTC132*	HEPS0025*	REN 229*	SK3122	RT-308	ECG229*	TM229*	WEP773	121-29021	
	25C945L	48-44578J01	GE-212	PTC121*	HEPS0015*	REN 199	SK3124	RT-107A	ECG199	TM199/**	WEP1945	121-972	
Q401	25C1675L	48-44580J02	GE-213	PTC132*	HEPS0025*	REN 229*	SK3122	RT-308	ECG229*	TM229*	WEP773	121-29021	
	25C1675L	48-44580J02	GE-213	PTC132*	HEPS0025*	REN 229*	SK3122	RT-308	ECG229*	TM229*	WEP773	121-29021	
Q403	25C945L	48-44578J01	GE-212	PTC121*	HEPS0015*	REN 199	SK3124	RT-107A	ECG199	TM199/**	WEP1945	121-972	
	25C945L	48-44578J01	GE-212	PTC121*	HEPS0015*	REN 199	SK3124	RT-107A	ECG199	TM199/**	WEP1945	121-972	
Q501	25C900	48-40149P01	GE-62	PTC139*	HEPS0015*	REN 199	SK3124	RT-302	ECG199	TM199/**	WEP66	121-972	
	25C373	48-40170G01	GE-61*	PTC121*	HEPS0015*	REN 123A*	SK3444	RT-308	ECG123A*	TM123A/**	WEP372	121-29000A*	
Q601	25C945L	48-44578J01	GE-212	PTC121*	HEPS0015*	REN 199	SK3124	RT-107A	ECG199	TM199/**	WEP1945	121-972	
PLL BOARD													
D1A	M2081		GEZD-8.2	ZB8.2B		REN 5072	SK3136	RT-257	ECG5072A	TM5072/**	WEP1108		
	072(8.2A)		GEZD-8.2	ZB8.2B		REN 5072	SK3136	RT-257	ECG5072A	TM5072/**	WEP1108		
D2A	RD-082		GEZD-8.2	ZB8.2B		REN 5072	SK3136	RT-257	ECG5072A	TM5072/**	WEP1108		
	152339C				HEPR2500				ECG610				
D3A	152207-9				HEPR2500				ECG610				
	BB105				HEPR2500				ECG610				
IC1	IT6				HEPR2500				ECG610				
	IT18				HEPR2500				ECG610				
IC2	1S1555		GE-300	PTC214	HEPRO602	REN 177	SK3100	RT-218	ECG177	TM177	WEP1062	103-131	
	1S1953		GE-300	PTC214	HEPRO602	REN 177	SK3100	RT-218	ECG177	TM177	WEP1062	103-131	
IC2 Q1	TC9103P					REN 1192	SK3487		ECG1192		WEP2018		
	TA7310P		GE-210	PTC115*	HEPS0015*	REN 289	SK3124	RT-187	ECG289	TM289/**	WEP454	121-773	
Q2	25C454C		GE-210	PTC115*	HEPS0015*	REN 289	SK3124	RT-187	ECG289	TM289/**	WEP454	121-773	
	25C454		GE-86	PTC132*	HEPS0016*	REN 229	SK3018*	RT-134	ECG229*	TM229/**	WEP535	121-29021	
Q3	25C829		GE-20*	PTC139*	HEPS0015*	REN 229*	SK3444	RT-308	ECG229*	TM229/**	WEP829	121-29021*	
	25C945		GE-212	PTC121*	HEPS0015*	REN 199	SK3124	RT-107A	ECG199	TM199/**	WEP1945	121-972	
Q4	JA1350		GE-212	PTC121*	HEPS0015*	REN 199	SK3124	RT-107A	ECG199	TM199/**	WEP1945	121-972	
	J5P7001		GE-212	PTC121*	HEPS0015*	REN 199	SK3124	RT-107A	ECG199	TM199/**	WEP1945	121-972	
Q5	25C2120		GE-210	PTC115*	HEPS0015*	REN 289	SK3124	RT-187	ECG289	TM289/**	WEP454	121-773	
	25C454C		GE-210	PTC115*	HEPS0015*	REN 289	SK3124	RT-187	ECG289	TM289/**	WEP454	121-773	
Q6	25C454		GE-86	PTC132*	HEPS0016*	REN 229	SK3018*	RT-134	ECG229*	TM229/**	WEP535	121-29021	
	25C535		GE-20*	PTC139*	HEPS0015*	REN 229*	SK3444	RT-308	ECG229*	TM229/**	WEP829	121-29021*	
Q7	25C829		GE-212	PTC121*	HEPS0015*	REN 199	SK3124	RT-107A	ECG199	TM199/**	WEP1945	121-972	
	25C945		GE-212	PTC121*	HEPS0015*	REN 199	SK3124	RT-107A	ECG199	TM199/**	WEP1945	121-972	
Q8	JA1350		GE-212	PTC121*	HEPS0015*	REN 199	SK3124	RT-107A	ECG199	TM199/**	WEP1945	121-972	
	J5P7001		GE-212	PTC121*	HEPS0015*	REN 199	SK3124	RT-107A	ECG199	TM199/**	WEP1945	121-972	
Q9	25C2120		GE-210	PTC115*	HEPS0015*	REN 289	SK3124	RT-187	ECG289	TM289/**	WEP454	121-773	
	25C454		GE-210	PTC115*	HEPS0015*	REN 289	SK3124	RT-187	ECG289	TM289/**	WEP454	121-773	
Q10	25C535		GE-86	PTC132*	HEPS0016*	REN 229	SK3018*	RT-134	ECG229*	TM229/**	WEP535	121-29021	
	25C829		GE-20*	PTC139*	HEPS0015*	REN 229*	SK3444	RT-308	ECG229*	TM229/**	WEP829	121-29021*	
Q11	25C945		GE-212	PTC121*	HEPS0015*	REN 199	SK3124	RT-107A	ECG199	TM199/**	WEP1945	121-972	
	JA1350		GE-212	PTC121*	HEPS0015*	REN 199	SK3124	RT-107A	ECG199	TM199/**	WEP1945	121-972	
Q12	J5P7001		GE-212	PTC121*	HEPS0015*	REN 199	SK3124	RT-107A	ECG199	TM199/**	WEP1945	121-972	
	25C2120		GE-210	PTC115*	HEPS0015*	REN 289	SK3124	RT-187	ECG289	TM289/**	WEP454	121-773	
Q13	25C2120		GE-210	PTC115*	HEPS0015*	REN 289	SK3124	RT-187	ECG289	TM289/**	WEP454	121-773	
	25C454		GE-210	PTC115*	HEPS0015*	REN 289	SK3124	RT-187	ECG289	TM289/**	WEP454	121-773	
Q14	25C535		GE-86	PTC132*	HEPS0016*	REN 229	SK3018*	RT-134	ECG229*	TM229/**	WEP535	121-29021	
	25C829		GE-20*	PTC139*	HEPS0015*	REN 229*	SK3444	RT-308	ECG229*	TM229/**	WEP829	121-29021*	
Q15	25C945		GE-212	PTC121*	HEPS0015*	REN 199	SK3124	RT-107A	ECG199	TM199/**	WEP1945	121-972	
	JA1350		GE-212	PTC121*	HEPS0015*	REN 199	SK3124	RT-107A	ECG199	TM199/**	WEP1945	121-972	
Q16	J5P7001		GE-212	PTC121*	HEPS0015*	REN 199	SK3124	RT-107A	ECG199	TM199/**	WEP1945	121-972	
	25A733		GE-48	PTC127	HEPS0019*	REN 294	SK3138	RT-303	ECG294	TM294/**	WEP911	121-952	
Q17	25A933		GE-48	PTC127	HEPS0019*	REN 294	SK3138	RT-303	ECG294	TM294/**	WEP911	121-952	
	25A673		GE-269	PTC103*	HEPS0026*	REN 290	SK3114	RT-115*	ECG290	TM290	WEP911	121-1019	
Q18	JA1050		GE-269	PTC103*	HEPS0026*	REN 290	SK3114	RT-115*	ECG290	TM290	WEP911	121-1019	
	25C733		GE-48	PTC127	HEPS0019*	REN 294	SK3138	RT-303	ECG294	TM294/**	WEP911	121-952	
Q19	25A933		GE-48	PTC127	HEPS0019*	REN 294	SK3138	RT-303	ECG294	TM294/**	WEP911	121-952	
	25A673		GE-269	PTC103*	HEPS0026*	REN 290	SK3114	RT-115*	ECG290	TM290	WEP911	121-1019	
Q20	JA1050		GE-269	PTC103*	HEPS0026*	REN 290	SK3114	RT-115*	ECG290	TM290	WEP911	121-1019	

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

PARTS LIST AND DESCRIPTION (CONTINUED)

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

ELECTROLYTIC CAPACITORS

		REPLACEMENT DATA				
ITEM No.	RATING	MFR. PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.	
					Q-LINE	GENERAL LINE
MAIN BOARD						
C23	100					
	220 16V	23-44333637	PC250-25	VTT220H16	QV1-117	EV-1240
C213	47 10V	23-44333624	PC50-16	VTT47D16	QV1-73	EV-1226
C214	.1 35V	23-41059P01		TDC104M050EL	QDT1-2	SD50-R109
C215	10 16V	23-44333609	PC10-25	VTT10B25	QV1-41	EV-1222
C318	10 16V	23-44333609	PC10-25	VTT10B25	QV1-41	EV-1222
C223	220 10V	23-44333636	PC250-10	VTT220F10	QV1-115	EV-1140
C229	10 16V	23-44333609	PC10-25	VTT10B25	QV1-41	EV-1222
C230	2.2 16V			TDC225M035FL		SD35-2R29
	10 25V	23-44333609		TDC106M025FL	QDT1-64	SD25-109
C232	.22 50V	23-42909J01		TDC224M050EL	QDT1-10	SD50-R229
C236	1 50V	23-44333601	PC1-50	VTT1A50	QV1-11	EV-1615
C325	.22 50V	23-42909J01		TDC224M050EL	QDT1-10	SD50-R229
C333	1 50V	23-44333601	PC1-50	VTT1A50	QV1-11	EV-1615
C336	220 10V	23-44333636	PC250-10	VTT220F10	QV1-115	EV-1140
C337	33 10V	23-44333618	PC30-25	VTT33B10	QV1-61	EV-1125
C340	.22 50V	23-42909J01		TDC224M050EL	QDT1-10	SD50-R229
C341	2.2 16V	23-41059P11		TDC225M035FL		SD35-2R29
C342	.47 50V	23-42909J02	PC1-50	VTT47A63	QV1-3	EV-1610
C401	10 25V	23-44333609	PC10-25	VTT10B25	QV1-43	EV-1322
C418	2.2 16V	23-41059P11		TDC225M035FL		SD35-2R29
C421	100 10V	23-44333630	PC100-10	VTT100E10	QV1-93	EV-1130
C424	1 50V	23-44333601	PC1-50	VTT1A50	QV1-11	EV-1615
C428	4.7 16V	23-41059P18		TDC475M035FL		SD35-4R79
C429	4.7 16V	23-41059P18		TDC475M035FL		SD35-4R79
C431	10 25V	23-44333609	PC10-25	VTT10B25	QV1-43	EV-1322
C432	4.7 25V	23-44333605	PC5-50	VTT47B50	QV1-27	EV-1319
C433	4.7 25V	23-44333605	PC5-50	VTT47B50	QV1-27	EV-1319
C501	10 16V	23-44333608	PC10-25	VTT10B25	QV1-41	EV-1222
C502	10 16V	23-44333608	PC10-25	VTT10B25	QV1-41	EV-1222
C503	47 10V	23-44333624	PC50-16	VTT47D16	QV1-73	EV-1226
C504	1 50V	23-44333601	PC1-50	VTT1A50	QV1-11	EV-1615
C506	10 16V	23-44333608	PC10-25	VTT10B25	QV1-41	EV-1222
C507	1 35V	23-41059P01		TDC105M035EL		SD35-19
C508	1 50V	23-44333601	PC1-50	VTT1A50	QV1-11	EV-1615
C511	47 16V	23-44333625	PC50-16	VTT47D16	QV1-73	EV-1226
C601	47 10V	23-44333624	PC50-16	VTT47D16	QV1-73	EV-1226
C604	47 10V	23-44333624	PC50-16	VTT47D16	QV1-73	EV-1226
C605	100 10V	23-44333630	PC100-10	VTT100E10	QV1-93	EV-1130
C606	100 10V	23-44333630	PC100-10	VTT100E10	QV1-93	EV-1130
C607	4.7 16V	23-41059P18		TDC475M035FL		SD35-4R79
C608	47 10V	23-44333624	PC50-16	VTT47D16	QV1-73	EV-1226
C609	220 6.3V	23-44333635	PC250-10	VTT220F10	QV1-115	EV-1140
C610	47 6V	23-41059P34		TDC476M006EL	QDT1-97	SD6-479
C615	470 16V	23-43748J01	PC500-16	VTT470K16	QV1-151	EV-1250
C617	1000 16V	23-44333655	PC1000-16	VTT1000L16	QV1-183	EV-1260
C618	47 10V	23-44333624	PC50-16	VTT47D16	QV1-73	EV-1226
C619	4.7 16V	23-41059P18		TDC475M035FL		SD35-4R79
C620	220 6.3V	23-44333635	PC250-10	VTT220F10	QV1-115	EV-1140
C621	47 6V	23-41059P34		TDC476M006EL	QDT1-97	SD6-479
C626	470 16V	23-43748J01	PC500-16	VTT470K16	QV1-151	EV-1250
C632	.1 35V	23-41059P01		TDC104M050EL	QDT1-2	SD50-R109
C633	.1 35V	23-41059P01		TDC104M050EL	QDT1-2	SD50-R109
C634	.22 35V	23-41059P03		TDC224M050EL	QDT1-10	SD50-R229
C635	.22 35V	23-41059P03		TDC224M050EL	QDT1-10	SD50-R229
C636	47 10V	23-44333624	PC50-16	VTT47D16	QV1-73	EV-1226
C638	4.7 25V	23-44333605	PC5-50	VTT47B50	QV1-27	EV-1319
PLL BOARD						
C10	47 10V		PC50-16	VTT47D16	QV1-73	EV-1226
C12	10 16V		PC10-25	VTT10B25	QV1-41	EV-1222
C25	1 35V			TDC105M035EL		SD35-19
C26	1 35V			TDC105M035EL		SD35-19
C27	.1 35V			TDC104M050EL	QDT1-2	SD50-R109
C40	10 16V			TDC106M025FL	QDT1-64	SD25-109

MOTOROLA MODEL CT950AX

CAPACITORS

			REPLACEMENT DATA				
ITEM No.	RATING	MFR. PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.	
						Q-LINE	GENERAL LINE
MAIN BOARD							
C1	150		DTZ-150		CN0315		10TCC-T15
C2	22		DTZ-22	NP022	CN0422		10TCC-Q22
C3	180		DTZ-180				10TCC-T18
C4	18				CN0418		10TCC-Q18
C5	120		DTZ-120		CN0312		10TCC-T12
C6	22		DTZ-22	NP022	CN0422		10TCC-Q22
C7	.01		UK50-103		MAG5011		
C8	.047		UK25-503		MAG2515		HY-735
C9	100		DTZ-100	NP0100	CN0310		10TCC-T10
C10	.01		UK50-103		MAG5011		
C11	.047		UK25-503		MAG2515		HY-735
C12	470		DD-471	GP470	GP347		10TS-T47
C13	.047		UK25-503		MAG2515		HY-735
C14	.047		UK25-503		MAG2515		HY-735

PARTS LIST AND DESCRIPTION (CONTINUED)

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

CAPACITORS (cont)

ITEM No.	RATING	MFGR. PART No.	REPLACEMENT DATA				
			CENTRALAB PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.	
						Q-LINE	GENERAL LINE
C15	220 10%		DTZ-220				10TCC-T22
C16	33		DTZ-33	NP033	CN0433		10TCC-Q33
C17	.01		UK50-103		MAG5011		
C18	.01		UK50-103		MAG5011		
C19	100		DTZ-100	NP0100	CN0310		10TCC-T10
C20	.01		UK50-103		MAG5011		
C21	.10		DTZ-10	NP010	CN0410		10TCC-Q10
C22	.01		UK50-103		MAG5011		
C24	.001		DD-102		GP210		10TS-D10
C25	.001		DD-102		GP210		10TS-D10
C26	.001		DD-102		GP210		10TS-D10
C27	.001		DD-102		GP210		10TS-D10
C28	.001		DD-102		GP210		10TS-D10
C29	.001		DD-102		GP210		10TS-D10
C30	.01		UK50-103		MAG5011		
C31	.01		UK50-103		MAG5011		
C32	15		DTZ-15	NP015	CN0415		10TCC-Q15
C201	.01		UK50-103		MAG5011		
C202	.01		UK50-103		MAG5011		
C203	.01		UK50-103		MAG5011		
C204	.01		UK50-103		MAG5011		
C205	.01		UK50-103		MAG5011		
C206	22		DTZ-22	NP022	CN0422		10TCC-Q22
C207	.01		UK50-103		MAG5011		
C208	1				CN0510		10TCC-V10
C210	.01		UK50-103		MAG5011		
C211	.047 50V 10%	8-44833J21		DPMS2S47	M192P4739R8	QFT2-171	1FT-S47
C212	.047 50V 10%	8-44833J21		DPMS2S47	M192P4739R8	QFT2-171	1FT-S47
C216	.047 50V 10%	8-44833J21		DPMS2S47	M192P4739R8	QFT2-171	1FT-S47
C217	.047 50V 10%	8-44833J21		DPMS2S47	M192P4739R8	QFT2-171	1FT-S47
C219	.047 50V 10%	8-44833J21		DPMS2S47	M192P4739R8	QFT2-171	1FT-S47
C220	.047 50V 10%	8-44833J21		DPMS2S47	M192P4739R8	QFT2-171	1FT-S47
C221	.047 50V 10%	8-44833J21		DPMS2S47	M192P4739R8	QFT2-171	1FT-S47
C222	.01		UK50-103		MAG5011		
C224	.047 50V 10%	8-44833J21		DPMS2S47	M192P4739R8	QFT2-171	1FT-S47
C225	.047 50V 10%	8-44833J21		DPMS2S47	M192P4739R8	QFT2-171	1FT-S47
C226	.01 50V 10%	8-44833J13		WMF1S1	M192P1039R8	QFT2-91	1FT-S10
C227	.01 50V 10%	8-44833J13		WMF1S1	M192P1039R8	QFT2-91	1FT-S10
C228	.01 50V 10%	8-44833J13		WMF1S1	M192P1039R8	QFT2-91	1FT-S10
C231	.01		UK50-103		MAG5011		
C233	.001		DD-102		GP210		10TS-D10
C234	.001		DD-102		GP210		10TS-D10
C235	22		DTZ-22	NP022	CN0422		10TCC-Q22
C301	47		DTZ-47	NP047	CN0447		10TCC-Q47
C302	2		DTZ-2R2	NP02P2	CN0522		10TCC-V22
C303	2		DTZ-2R2	NP02P2	CN0522		10TCC-V22
C304	10		DTZ-10	NP010	CN0410		10TCC-Q10
C305	.01		UK50-103		MAG5011		
C306	.01		UK50-103		MAG5011		
C307	39				CN0439		10TCC-Q39
C308	.01		UK50-103		MAG5011		
C309	10		DTZ-10	NP010	CN0410		10TCC-Q10
C310	10		DTZ-10	NP010	CN0410		10TCC-Q10
C311	150		DTZ-150		CN0315		10TCC-T15
C312	15		DTZ-15	NP015	CN0415		10TCC-Q15
C313	7 NPO		DTZ-10	NP010	CN0410		10TCC-Q10
C314	33 NPO		DTZ-33	NP033	CN0433		10TCC-Q33
C315	5 NPO	21-41701J22	DTZ-6R8	NP06P8	CN0568		10TCC-V68
C316	2		DTZ-2R2	NP02P2	CN0522		10TCC-V22
C317	10 N330	21-41701J28		*	*	*	10TCS-Q10
C318	.01		UK50-103		MAG5011		
C319	.01		UK50-103		MAG5011		
C320	.01		UK50-103		MAG5011		
C321	5			CD15CD050D03		QW1-2	MWA-050
C323	.01		UK50-103		MAG5011		
C324	.01		UK50-103		MAG5011		
C326	.01		UK50-103		MAG5011		
C328	.01		UK50-103		MAG5011		
C329	.01		UK50-103		MAG5011		
C330	7		DTZ-10	NP010	CN0410		10TCC-Q10
C331	220		DTZ-220				10TCC-T22
C332	.001 50V 10%	8-44833J01		DPMS6D1	M192P10292	QFT2-1	1FT-D10
C334	470 125V			CD15FD471J03	SX347	QW1-42	MWA-471
C335	.047 50V 10%	8-44833J21		DPMS2S47	M192P4739R8	QFT2-171	1FT-S47
C338	.01 50V 10%	8-44833J13		WMF1S1	M192P1039R8	QFT2-91	1FT-S10
C339	.01 50V 10%	8-44833J13		WMF1S1	M192P1039R8	QFT2-91	1FT-S10
C343	.01						
C402	.01 50V 10%	8-44833J13		WMF1S1	M192P1039R8	QFT2-91	1FT-S10
C403	470		DD-471	GP470			10TS-T47
C404	33		DTZ-33	NP033	CN0433		10TCC-Q33
C405	180 N470	21-41701J39		*	*	*	10TCT-T18
C406	220		DTZ-220				10TCC-T22
C407	.01 50V 10%	8-44833J13		WMF1S1	M192P1039R8	QFT2-91	1FT-S10
C408	.01 50V 10%	8-44833J13		WMF1S1	M192P1039R8	QFT2-91	1FT-S10
C409	10		DTZ-10	NP010	CN0410		10TCC-Q10
C410	270 N470	21-41701J35		*	*	*	10TCT-T27
C412	150 N470	21-41701J31		*	*	*	10TCT-T15
C413	.0068 50V 10%	8-44833J11		WMF1D68	M192P6829R8	QFT2-73	1FT-D68
C414	.1		CK-104		MAG5001		

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			
C415	.1 50V 10%	8-44833J25	DTZ-3R3 DTZ-220	WMF05P1	M192P1049R8	QFT2-215	1FT-P10			
C416	3			NP03P3	CN0533		10TCC-V33			
C419	220						10TCC-T22			
C420	.1 50V 10%	8-44833J25	DTZ-2R2	WMF05P1	M192P1049R8	QFT2-215	1FT-P10			
C422	.01 50V 10%	8-44833J13		WMF1S1	M192P1039R8	QFT2-91	1FT-S10			
C423	.01 50V 10%	8-44833J13		WMF1S1	M192P1039R8	QFT2-91	1FT-S10			
C425	.0047 50V 10%	8-44833J09		WMF1D47	M192P4729R8	QFT2-63	1FT-D47			
C426	.0047 50V 10%	8-44833J09		WMF1D47	M192P4729R8	QFT2-63	1FT-D47			
C430	2			NP02P2	CN0522		10TCC-V22			
C505	.01 50V 10%	8-44833J13		WMF1S1	M192P1039R8	QFT2-91	1FT-S10			
C509	.0047 50V 10%	8-44833J09		WMF1D47	M192P4729R8	QFT2-63	1FT-D47			
C510	.1 50V 10%	8-44833J25		WMF05P1	M192P1049R8	QFT2-215	1FT-P10			
C512	.0047 50V 10%	8-44833J09		WMF1D47	M192P4729R8	QFT2-63	1FT-D47			
C513	.033 50V 10%	8-44833J19		DPMS6S33	M192P3339R8	QFT2-149	1FT-S33			
C602	.01 50V 10%	8-44833J13		WMF1S1	M192P1039R8	QFT2-91	1FT-S10			
C603	.01 50V 10%	8-44833J13	DD-151 DTZ-68	WMF1S1	M192P1039R8	QFT2-91	1FT-S10			
C611	150				GP315		10TS-T15			
C612	68 10%			NP068	CN0468		10TCC-Q68			
C613	.022 50V 10%	8-44833J17	DTZ-100 DTZ-68	DPMS2S22	M192P2239R8	QFT2-127	1FT-S22			
C614	.22 100V 10%			DPMS2P22	EWFA022	QF1-253	1PB-P22			
C616	.22 100V 10%			DPMS2P22	EWFA022	QF1-253	1PB-P22			
C622	100 50V			NP0100	CN0310		10TCC-T10			
C623	68 50V 10%			NP068	CN0468		10TCC-Q68			
C624	.022 50V 10%	8-44833J17		DPMS2S22	M192P2239R8	QFT2-127	1FT-S22			
C625	.22 100V 10%			DPMS2P22	EWFA022	QF1-253	1PB-P22			
C627	.001 500V	21-42906J02								
C628	.001 500V	21-42906J02								
C629	.001 500V	21-42906J02								
C630	.001 500V	21-41880J06	UK50-103 DD-331 DD-331 UK50-103 UK50-103 DTZ-220 UK50-103 DD-102 DD-102	GP330 GP330	MAG5011 GP333 GP333 MAG5011 MAG5011		10TS-T33 10TS-T33			
C631	.001 500V	21-41880J06								
C637	.01 25V									
C639	330 50V									
C640	330 50V									
C641	.01 50V									
C642	.01 50V									
C643	220 50V						10TCC-T22			
C644	.01 50V				MAG5011					
C645	.001				GP210		10TS-D10			
C646	.001				GP210		10TS-D10			
TC301		20-43248J02	DTZ-22	NP022	CN0422		10TCC-Q22			
TC302		20-43248J02						10TCC-T20		
TC303		20-43248J02								
TC401		20-41817J01								
TC402		20-44915J01								
TC403		20-44915J01								
PLL BOARD										
C1	22									
	15-33					DTZ-22				
C2	200					DTZ-200				10TCC-T20
	150-220									
C3	.1					CK-104		MAG5001		
C4	.01					UK50-103		MAG5011		
C5	5						CD15CD050D03		QW1-2	MMA-050
C6	.01					UK50-103		MAG5011		
C7	.01					UK50-103		MAG5011		
C8	.001					DD-102		GP210		10TS-D10
C9	500					DD-501	GP500	GP350		10TS-T50
C11	1							CN0510		10TCC-V10
	.5-3									
C13	1							CN0510		10TCC-V10
	.5-3									
C14	18							CN0418		10TCC-Q18
	15-27									
C15	39 N750							CN7439		10TCU-Q39
	27-39									
C16	4 NPO					DTZ-4R7	NP04P7	CN0547		10TCC-V47
	2-10									
C17	22 N750					DTN-22	N22	CN7422		10TCU-Q22
	18-33									
C18	82-120									
C19	68-100									
C20	5							CD15CD050D03	QW1-2	MMA-050
	3-10									
C21	.01					UK50-103		MAG5011		
C22	2					DTZ-2R2	NP02P2	CN0522		10TCC-V22
	.5-3									
C23	1							CN0510		10TCC-V10
	.5-3									
C28	10					DTZ-10	NP010	CN0410		10TCC-Q10
	2-15									
C29	82 NPO 5%					DTZ-82	NP082	CN0482		10TCC-Q82
	68-120									
C30	68 NPO					DTZ-68	NP068	CN0468		10TCC-Q68
C31	.01					UK50-103		MAG5011		
C32	8 NPO					DTZ-10	NP010	CN0410		10TCC-Q10
	5-15									
C33	68 NPO 5%					DTZ-68	NP068	CN0468		10TCC-Q68

MOTOROLA MODEL CT950AX

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.
C34	68		DTZ-68	NP068	CN0468	10TCC-Q68
C35	.01		UK50-103		MAG5011	
C36	100		DTZ-100	NP0100	CN0310	10TCC-T10
C37	39 NPO 10%				CN0439	10TCC-Q39
C38	22-47		DTZ-10	NP010	CN0410	10TCC-Q10
C39	10 NPO		CK-104		MAG5001	
	12-33					
	.1					

*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.
VR201	Squelch Range	220K	18-41732G01			U260R254B
VR202	Squelch	5000	18-42592P01			
VR203	AGC	10K	18-41732G06			U260R103B
VR301	19kHz	10K	18-41732G06			U260R103B
VR501	MIC Gain	4700	18-41732G03			U260R502B
VR601	Balance	50K	18-42582P01 (18)			
VR602a	Tone - Left	10K				
VR602b	Tone - Right	10K				
VR603a	Volume - Left	10K				
VR603b	Volume - Right/Power Switch	10K				
VR604a	Fader - Left	35 2W	18-42486P01			
VR604b	Fader - Right	35 2W				

(18) Includes VR601, VR602a, VR602b, VR603a, VR603b and Power Switch.

COILS (RF-IF)

ITEM No.		FUNCTION	REPLACEMENT DATA			REMARKS
			PART No.	OTHER IDENTIFICATION	MILLER PART No.	
MAIN BOARD						
L1	Antenna Tuning (27MHz)	24-40750P1			(1) Part of Tuner	
L2	P1 Filter (27MHz)	24-40750P1				
L3	Final (27MHz)	24-40750P02				
L4	RF Choke (2.7uH)	24-41387P01				
L5	RF Driver (27MHz)	24-40751P01				
L6	Predriver (27MHz)	24-40753P05				
L7	RF Amp	24-40753P01				
L8	TVI Trap (54MHz)	24-40750P01				
L9	RF Choke (33uH)	24-41724P01				
L101	Rec RF (27MHz)	24-45317G09	5317G09			
L102	RF Amp (27MHz)	24-45317G10	5317G10			
L301	FM Tuning	(1)				
L302	RF Choke (1.5uH)	24-41872J01				
L401	RF Choke (3.9uH)	24-42936J01				
L402	AM Tuning	(1)				
T101	IF (10.695MHz)	24-45317G11	5317G11			
T102	IF (10.695MHz)	24-45317G11	5317G11			
T103	IF (455kHz)	24-45317G12	5317G12			
T104	IF (455kHz)	24-45317G13	5317G13			
T105	IF (455kHz)	24-45317G14	5317G14			
T301	IF (10.7MHz)	24-43712J01	4986J01			
		24-44986J01				
T302	IF (10.7MHz)	24-44795J01	4795J01			
T401	IF (262kHz)	24-43814P01	3814P01			
T402	IF (262kHz)	24-43814P02	3814P02			
PLL BOARD						
L1	RF Choke					
L2	RF Choke					
L3	RF Choke					
L4	RF Choke					
L5	RF Choke					
T1	VCO Input		EK144			
T2	VCO Output (27MHz)		EK145			
T3	VCO Output (27MHz)		EK143			
T4	VCO Output (27MHz)		EK143			
T5	VCO Output (27MHz)		EK143			

72
REF 050
10.240 MHz

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.	
CH601	1.6A	.355	3mH	25-40894G01 40894G01 (1)			(1) Number on unit.

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.	MFR. PART No.	THORDARSON PART No.	TRIAD PART No.	
T1	72	8	25-41385P01 25B41385P01 (1)			(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
E2	5A Quick Acting	65-40348G01		AGC5	HDJ	312005	150145	F65-2

MICROPHONE

MICROPHONE

ITEM No.	REPLACEMENT DATA				CONNECTION DATA						
	MFR. PART No.	GC PART No.	GC NOISE CANCEL	GC POWER	GC CONNECTOR	GC Red	GC Shield	GC Yellow	GC Blue	GC White	GC Black
E601	50-43770P01	18-032	18-034	18-010	18-105	1	2	3	5	NC	2

MISCELLANEOUS

ITEM No.	PART NAME	PART No.	NOTES
B1	Solenoid	1-43984J01	Headshift
CF101	Filter	91-40759P01	455kHz
CF301	Filter	91-43353A72	10.7MHz
CF302	Filter	91-43353A72	10.7MHz
H601	Head	88-40887P01	8-Track Stereo Play
J1	Jack	1-41376P02	Antenna (CB)
J2	Jack	1-42808P01	Mic
J401	Jack	9-42905J05	Antenna (Radio)
LED101	LED	48-42579P01	Channel Readout (1.64V @ 5mA)
LED102	LED	48-42579P01	Channel Readout (1.64V @ 5mA)
LED601	LED	48-42667P08	TX (1.89V @ 9mA)
LED602	LED	48-42667P02	Stereo (2.00V @ 14mA)
M1	Motor	59-42326P01	Tape Transport
PL601	Lamp	65-45037G17	Dial (6.00V @ 65mA)
PL602	Lamp	65-45037G17	Dial (6.00V @ 65mA)
RY1	Relay	80-42571P01	XMT/Rec
RY2	Relay	80-42571P01	XMT/Rec
S2	Switch	1-40285J07	Manual Program Selector
S3	Switch	1-40285J07	Automatic Program (Actuated by foil on tape)
S101	Switch	40-43150P01	Radio/Tape (Actuated by insertion of cartridge)
S201	Switch		Program Indicator (Actuated by headshift solenoid)
S301	Switch	40-42575P01	LO/DX
S302	Switch	40-42575P01	Stand-by
S303	Switch	40-42575P01	CB/Radio
S401	Switch	40-42572P01	AM/FM
S601	Switch	40-42327P01	Channel Selector (CB)
X1	Crystal		

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

ITEM	PART No.	ITEM	PART No.
Cabinet, Bottom	15-43757P01	Knob, Tone	36-42365P01
Cabinet, Front	15-42315P01	Push-button, AM	36-43904P03
Cabinet, Rear	15-42309P01	Push-button, FM	36-43904P02
Cabinet, Top	15-42316P01	Push-button, CB/DX/Stby	36-43912P01
Escutcheon	1-43928P01	Push-button, Squelch	36-43913P01
Knob, CB Channel	36-43544P01	Push-button, Tuner Selector	36-43904P01
Knob, Balance/Fader	36-43938P01		

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