



PHOTOFACT[®] with

CIRCUITRACE[®]

For Supplier Address See PHOTOFACT Index

NOTE

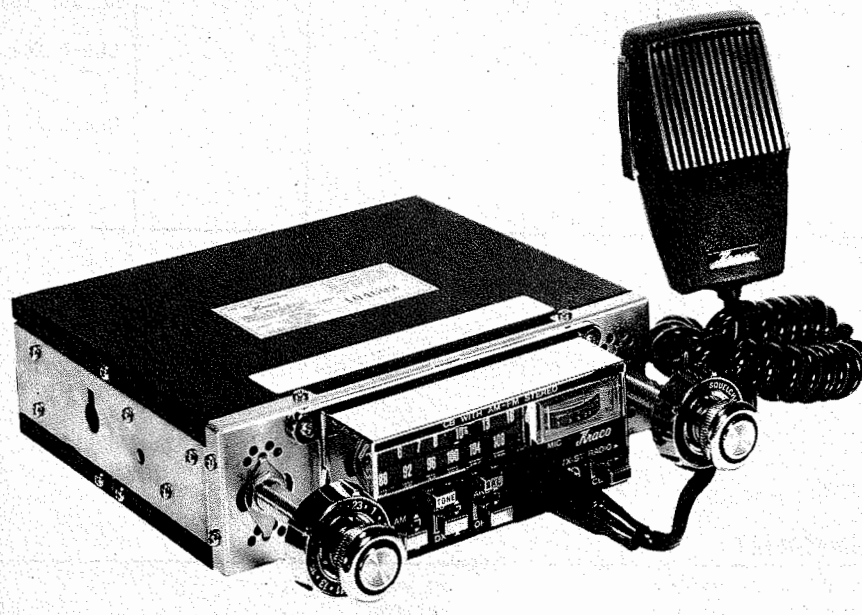
Repair or adjustment of transmitter circuits must be under supervision of a person with first-or second-class radiotelephone license.

(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.



KRACO MODEL KCB-2370

MODEL KCB-2370

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

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7CN451

CB 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.
 Suggested Alignment Tools: GC Electronics:

L301 thru L307, L309, L315, L316, L320.....5009
 L308, L314, L317, L318, L319.....9440

SYNTHESIZER ALIGNMENT

TEST EQUIPMENT	TRANSCEIVER	ADJUST	REMARKS
Input of VTVM to TP1.	Ch. 23	L308	Adjust for 7.00 volts.
Input of frequency counter to Q310 emitter.	Ch. 13		Check for 10.240MHz.
Input of frequency counter to Q317 emitter.	Ch. 13, Xmit		Check for 10.695MHz.

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 Q305 base. 455kHz, 1000Hz @ 30% modulation.	Ch. 13	L307, L306, L305	Adjust for maximum output.
Output of signal generator thru .01uF to Q304 base. 10.695MHz, 1000Hz @ 30% modulation.	Ch. 13	L304, L303	Adjust for maximum output.
Output of signal generator thru .01uF to antenna jack. 27.115MHz, 1000Hz @ 30% modulation.	Ch. 13	L302, L301	Adjust for maximum output. Repeat above steps, if necessary.

RECEIVER ADJUSTMENTS

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

TEST EQUIPMENT	TRANSCIVER	ADJUST	REMARKS
Output of signal generator thru .01uF to antenna jack. 27.115MHz, 1000Hz @ 30% modulation. Output 50,000uV.	Ch. 13	VR302	IF GAIN Adjust volume VR3 to obtain 0db. Decrease generator to 5uV. Adjust VR302 so that audio signal does not drop more than 10db.
Output of signal generator thru .01uF to antenna jack. 27.115MHz, 1000Hz @ 30% modulation. Output 100uV.	Ch. 13	VR303	S METER Adjust VR303 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.

TEST EQUIPMENT	TRANSCIVER	ADJUST	REMARKS
Input of spectrum analyzer to antenna jack.	Ch. 13	L319, L318, L317, L316, L315, L314, L309	Adjust for maximum.
	Ch. 13	L309	Adjust for 4 watts maximum.
	Ch. 13	L320	Adjust for MINIMUM at 54MHz.

KRACO MODEL KCB-2370

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.

TEST EQUIPMENT	TRANSCIVER	ADJUST	REMARKS
Modulation meter to antenna jack. Inject a 1000Hz signal at MIC input.	Ch. 13	VR401	AMC Disconnect C428 to disable AMC. Adjust signal for overmodulation. Restore AMC operation. Adjust VR401 for 100% modulation maximum.
	Ch. 13	VR304	PANEL RF METER Adjust VR304 so that panel RF meter agrees with RF wattmeter.

AM-FM ALIGNMENT INSTRUCTIONS

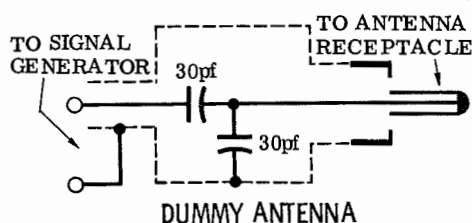
Check for specified source voltage.
Use only enough generator output
to provide a usable indication.
Suggested Alignment Tools:

GC Electronics:

L106, L201, L202, L204, L205, L206.....5009
TC101, TC102, TC103, TC201, TC202.....5000

GENERATOR COUPLING	GENERATOR FREQUENCY	RADIO DIAL SETTING	INDICATOR	ADJUST	REMARKS
High side thru .1uF to point Ant Input low side to ground.	455kHz 400-Hz mod.	High freq. end stop.	Output meter across voice coil.	L206, L205, L204	Adjust for maximum.
Thru dummy antenna to antenna input.	1615kHz	"	"	TC202 TC201 TC1	"
Thru dummy antenna to antenna input.	600kHz	600kHz	Output meter across voice coil.	L202	Adjust for maximum. Repeat alignment until no further improvement is noted.

With radio installed in car and antenna extended 36", tune in a weak station near 1400kHz and adjust TC1 for maximum output. Antenna adjustment TC1 is located on rear upper right corner.



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

High side of generator thru .001uF to Ant Input.

GENERATOR FREQUENCY	RADIO DIAL SETTING	INDICATOR	ADJUST	REMARKS
10.7MHz Unmodulated	Point of non-interference	DC probe of VTVM to junction of C238, C208 & R211.	(1) L201, L106	Adjust for maximum.

(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.

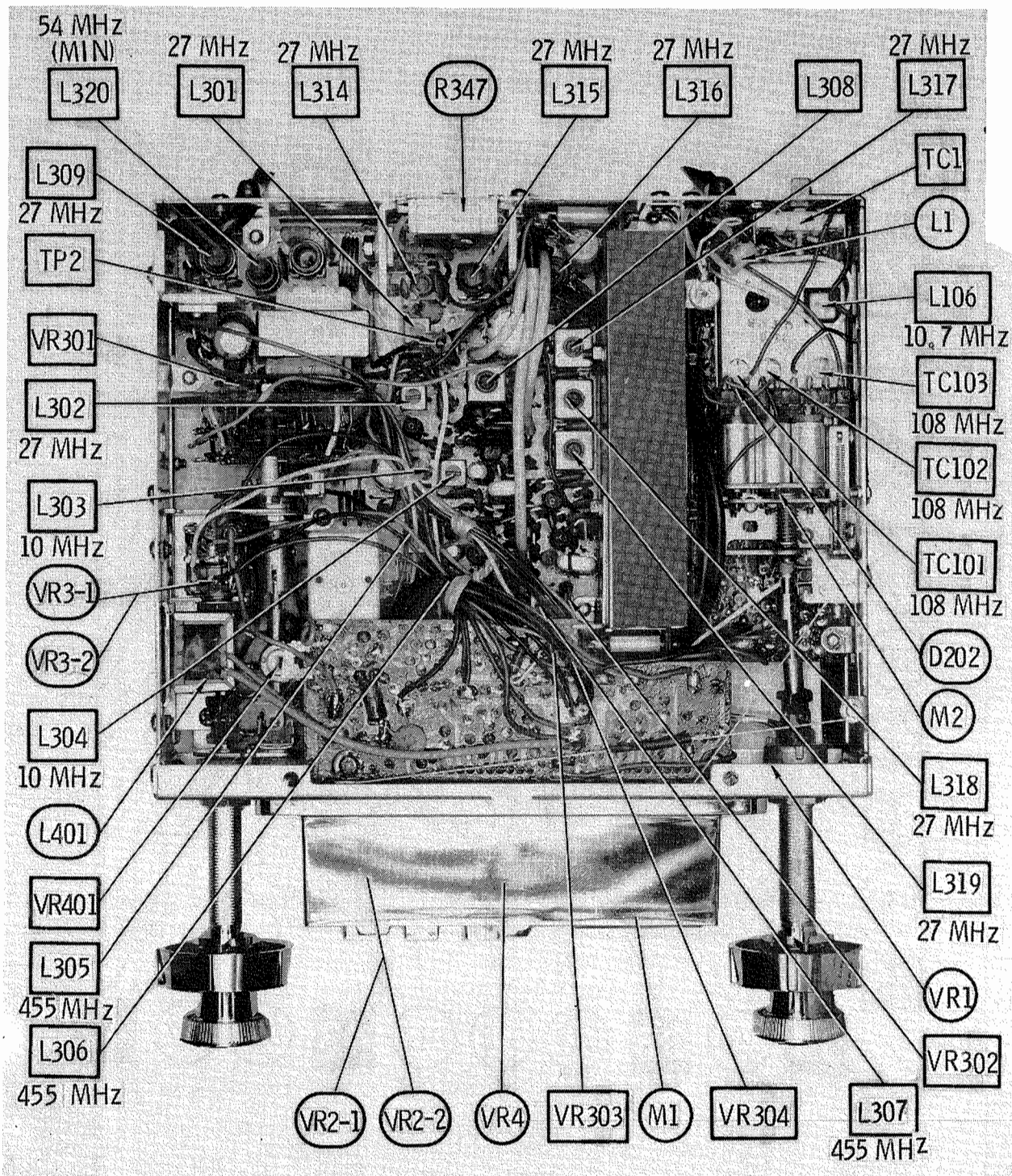
GENERATOR FREQUENCY	RADIO DIAL SETTING	INDICATOR	ADJUST	REMARKS
108MHz Unmodulated	108MHz	DC probe of VTVM to junction of C238, C208 & R211	TC103, TC102, TC101	Adjust for maximum.

FM STEREO MULTIPLEX ALIGNMENT

Ground Junction C238, C208 & R211. Connect frequency counter to TP4. Adjust VR201 for 19kHz $\pm$ 20Hz.

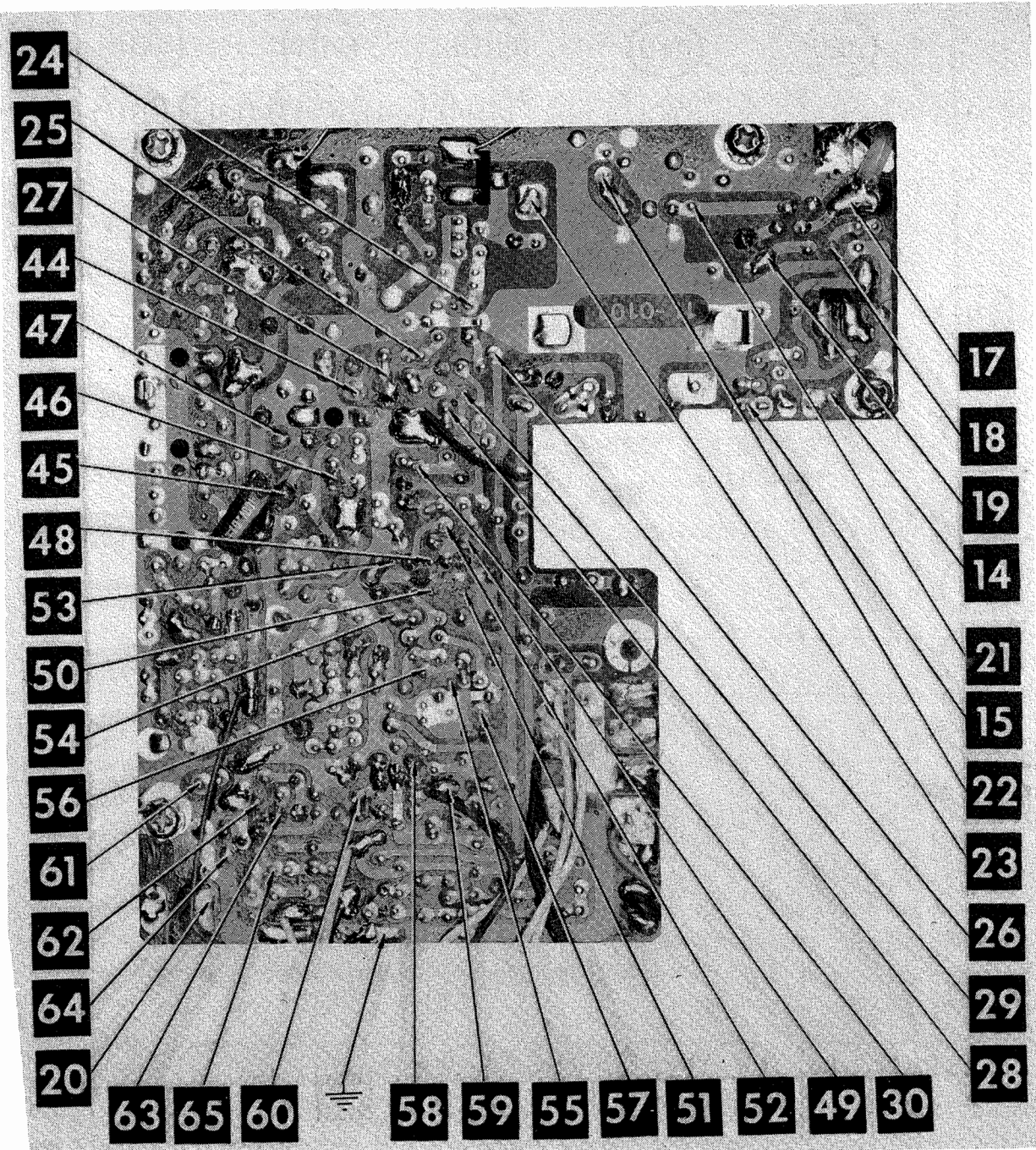
THRESHOLD

Tune in a weak stereo station. Adjust VR202 for stereo indication on weak stereo but not on noise.

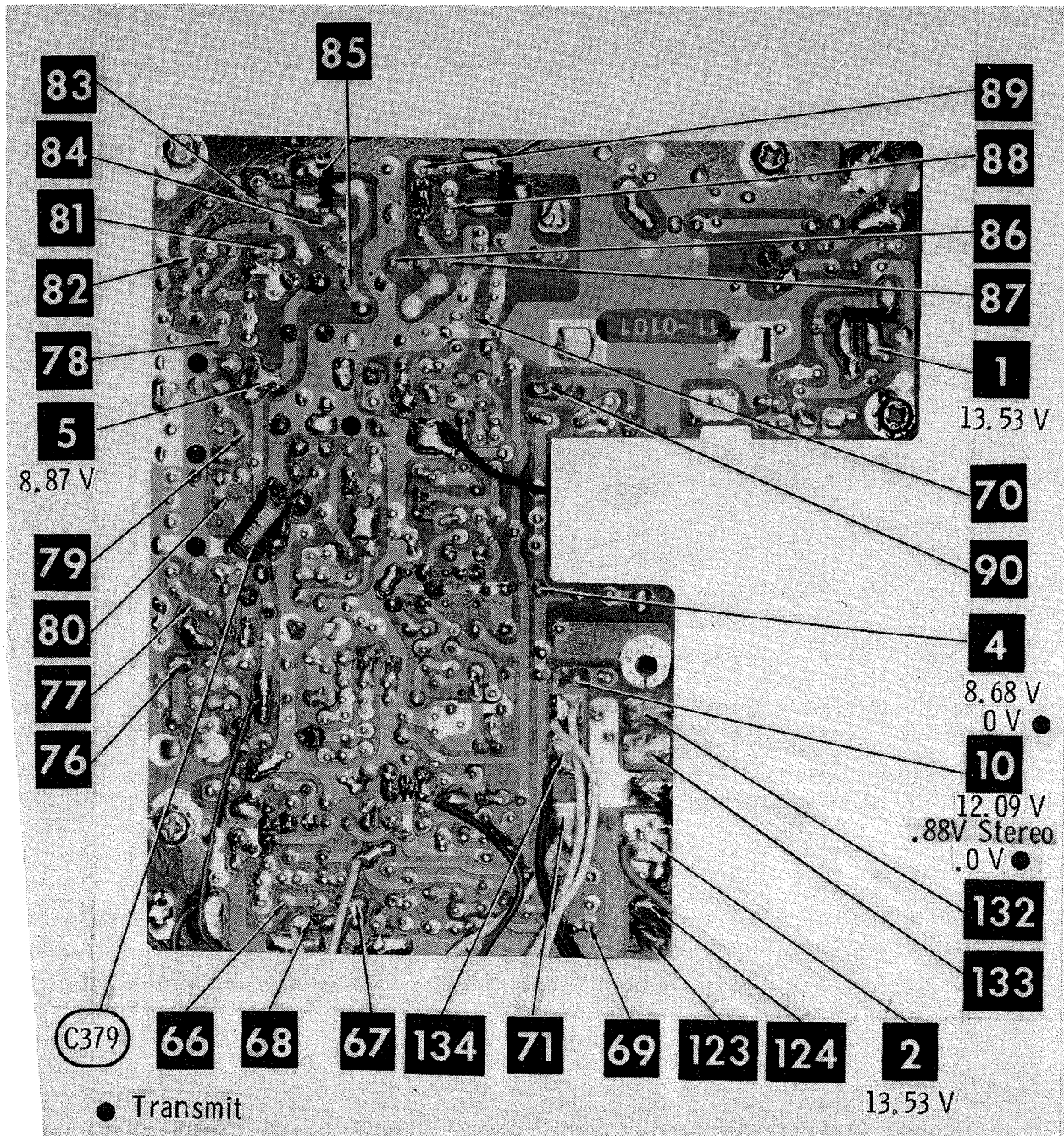


KRACO MODEL KCB-2370

CHASSIS - TOP

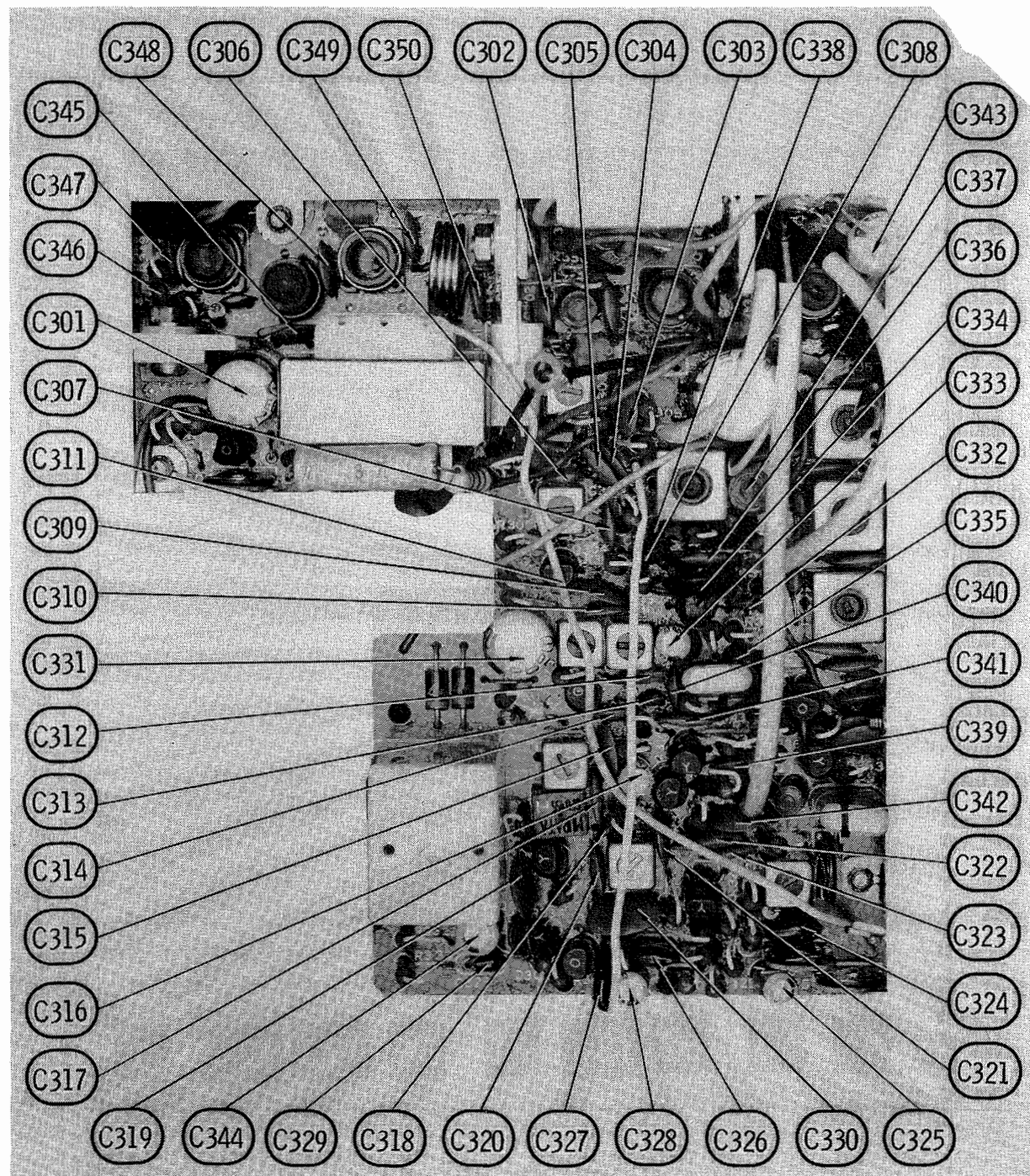


CB MAIN BOARD

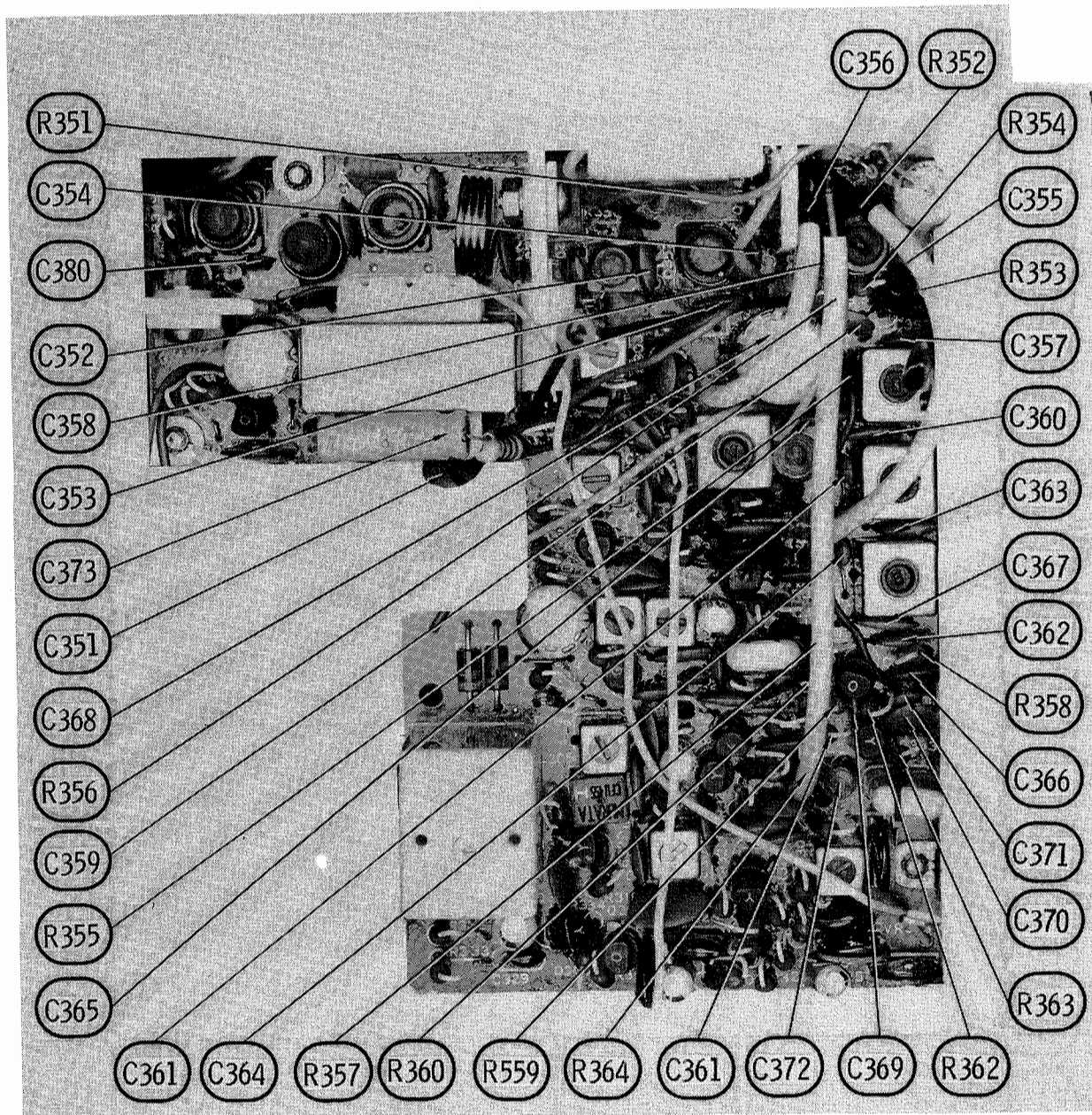


KRACO MODEL KCB-2370

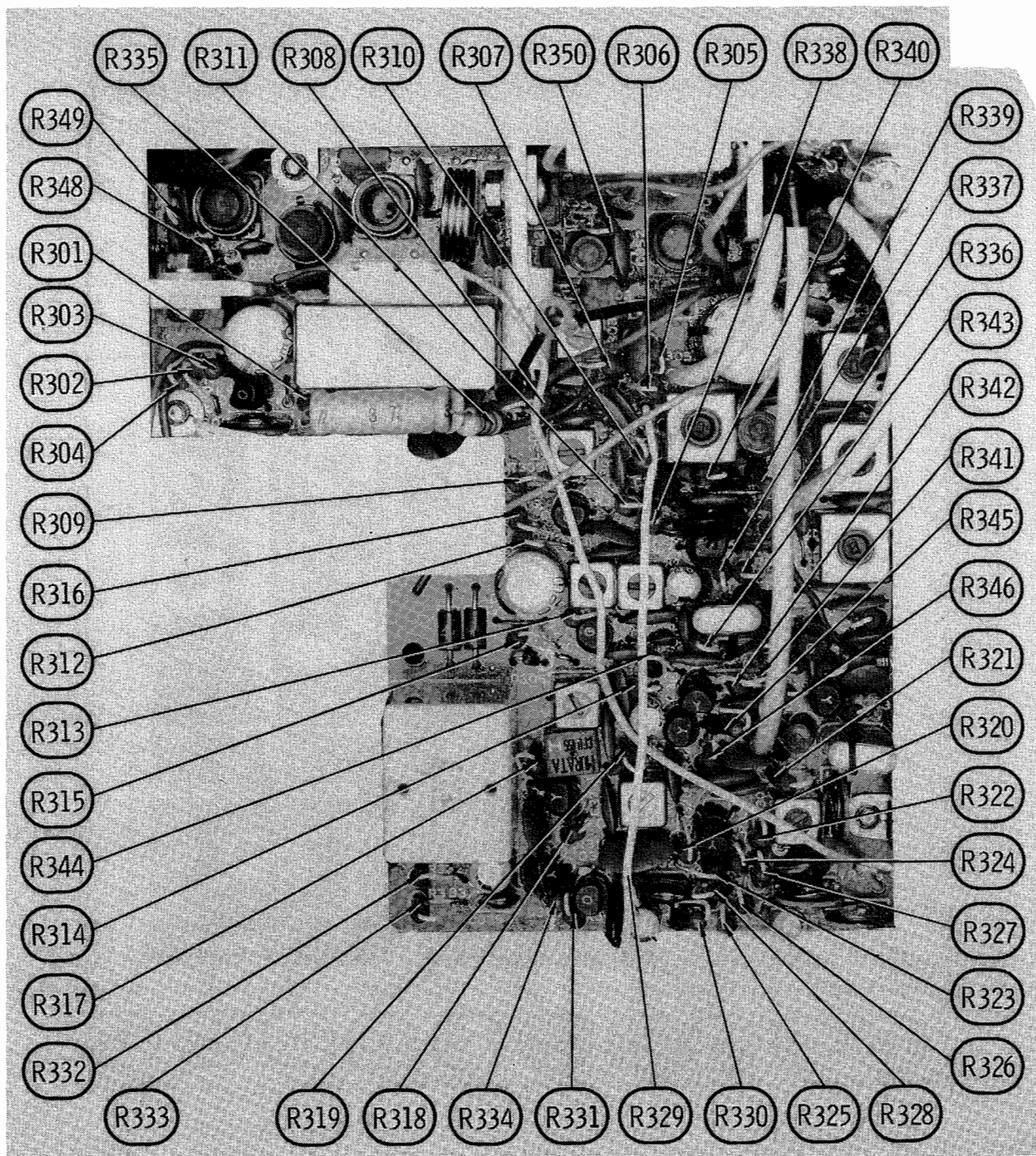
CB MAIN BOARD



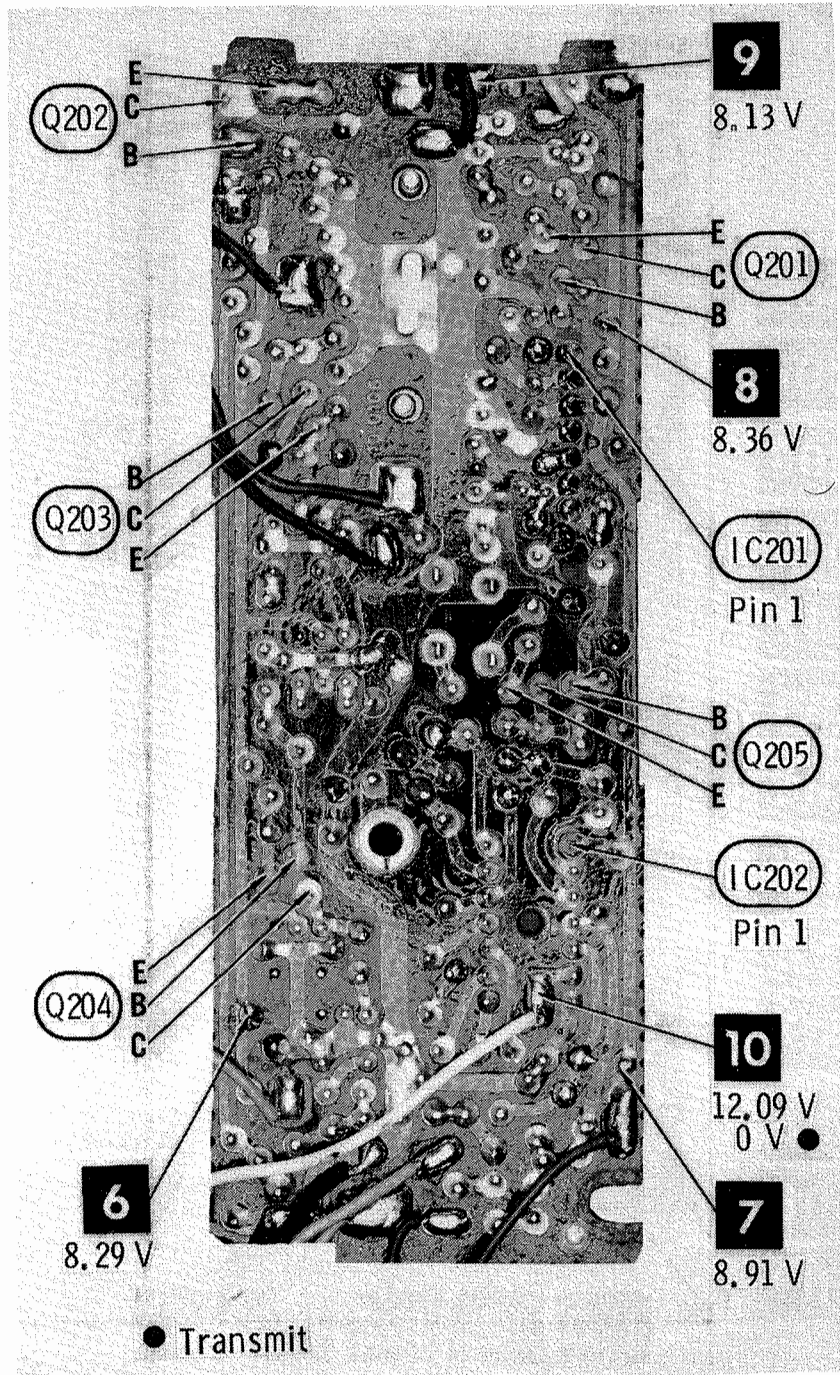
CB MAIN BOARD



CB MAIN BOARD

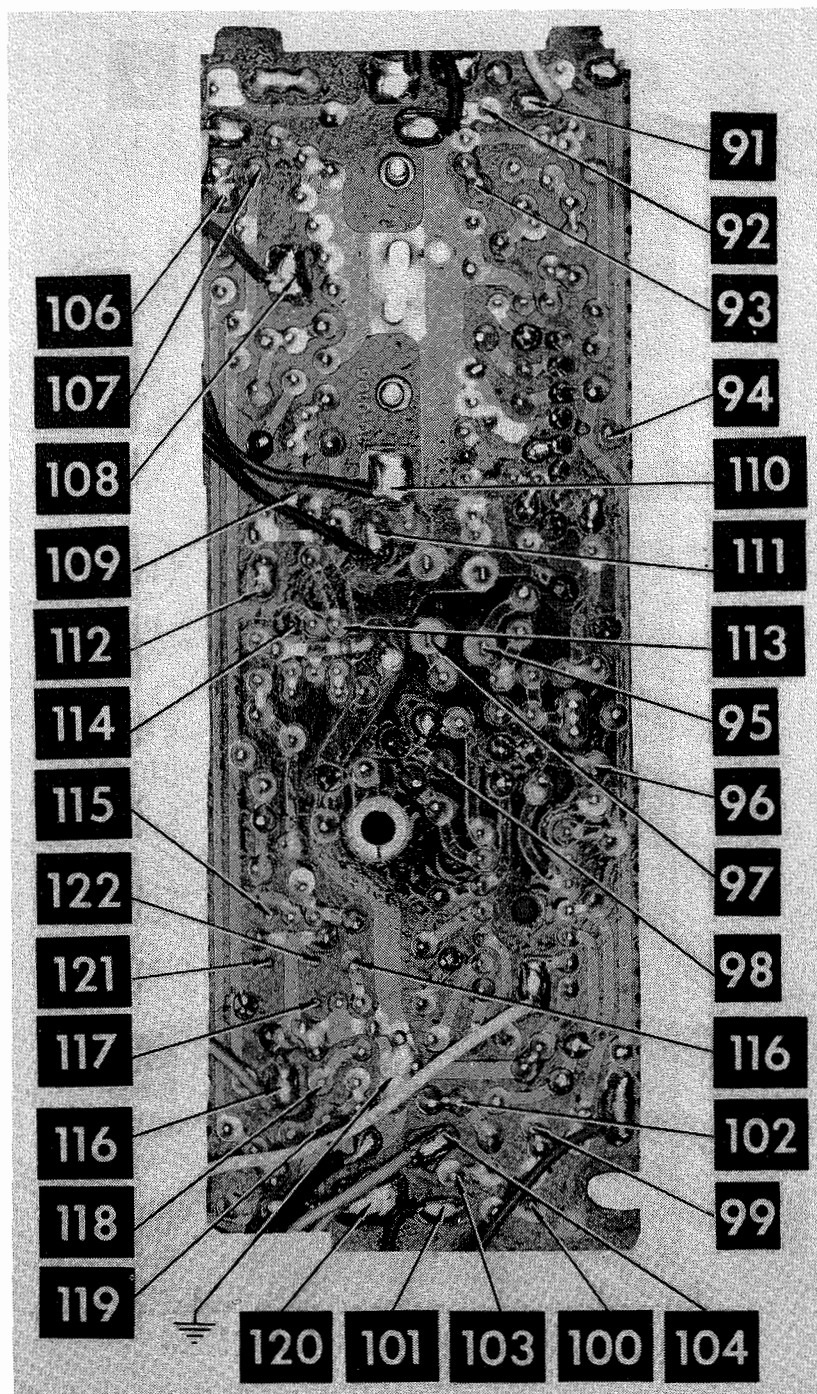


CB MAIN BOARD

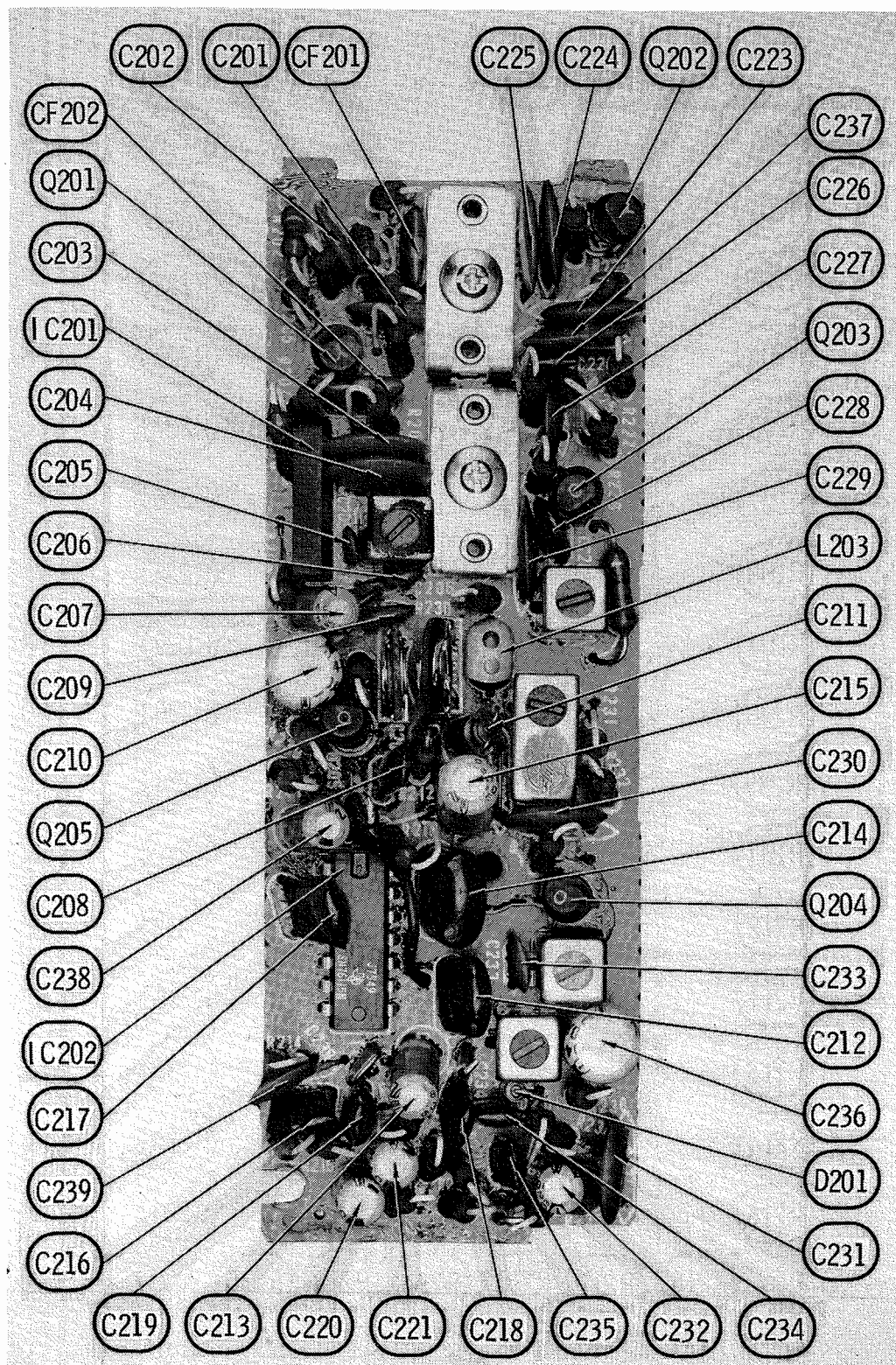


KRACO MODEL KCB-2370

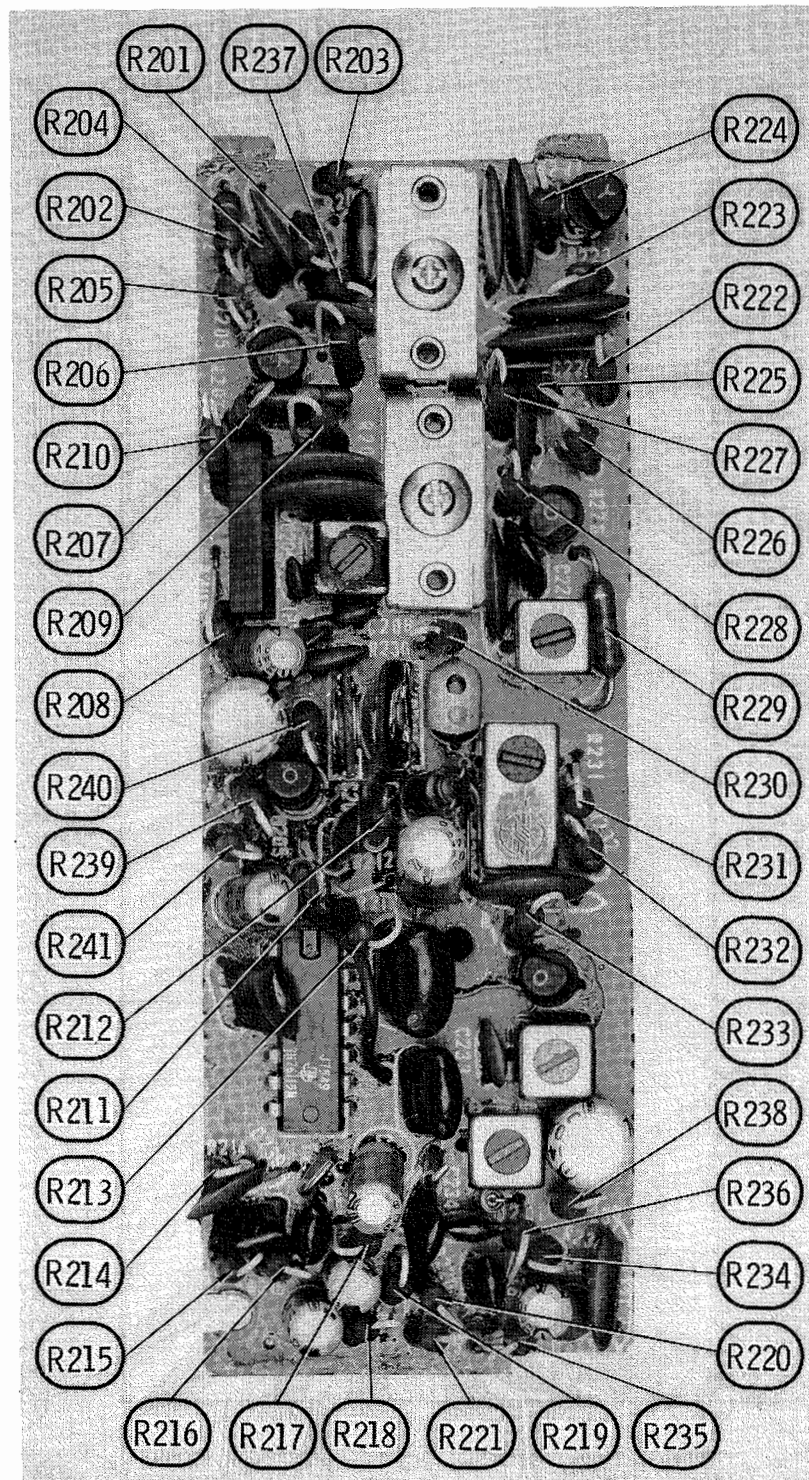
AM-FM-MPX BOARD



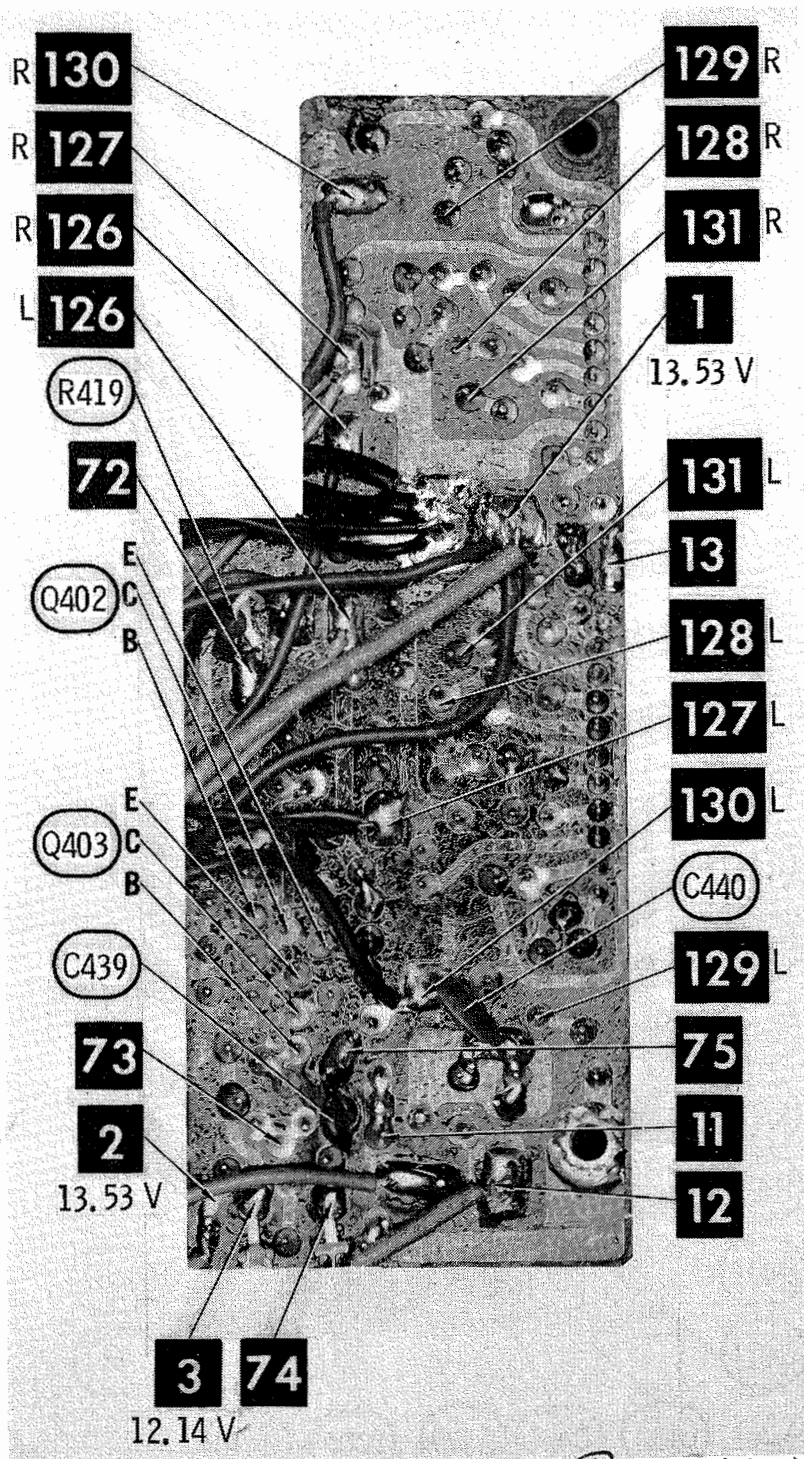
AM-FM-MPX BOARD



AM-FM-MPX BOARD



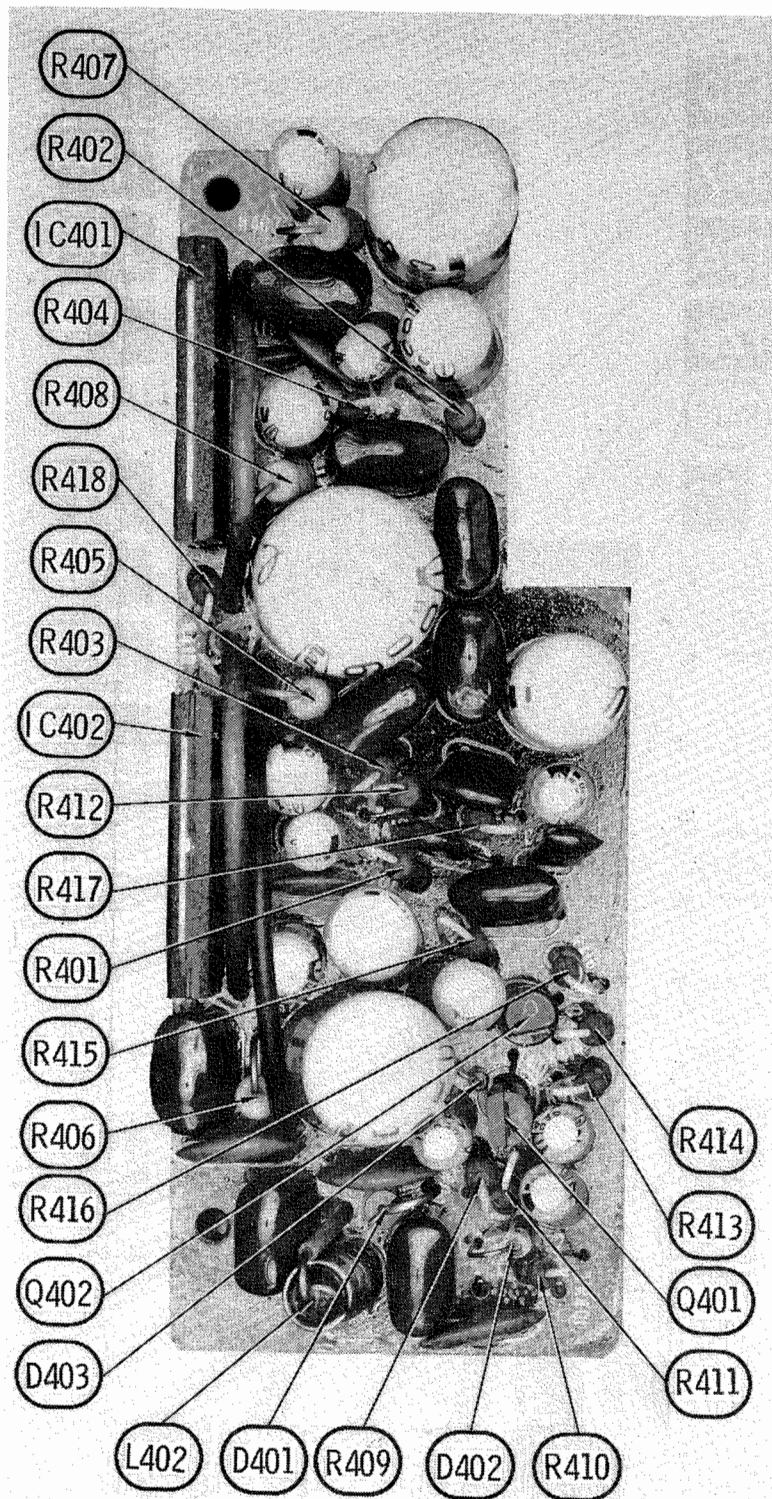
AM-FM-MPX BOARD



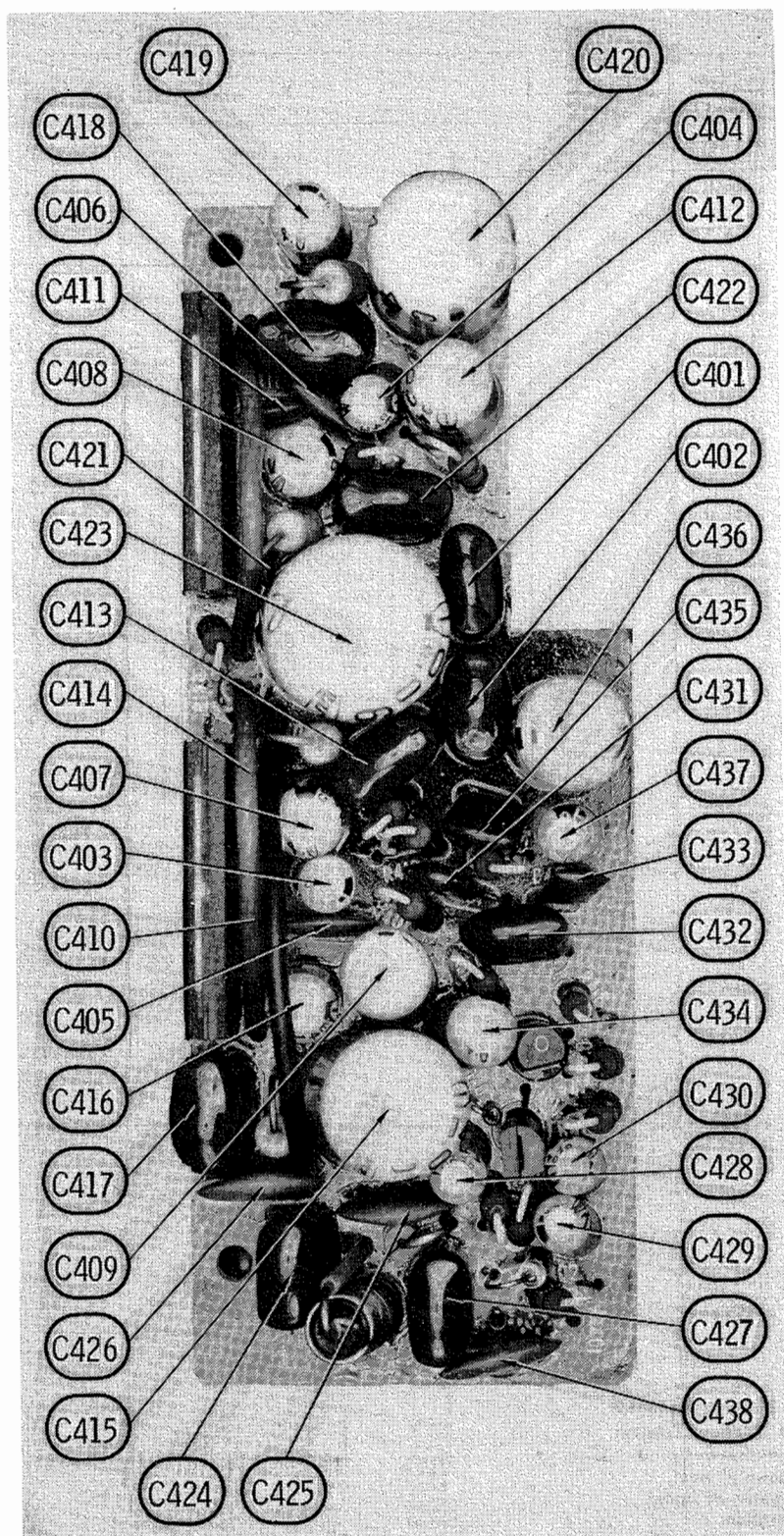
KRACO MODEL KCB-2370

*R = Right channel
L = Left channel*

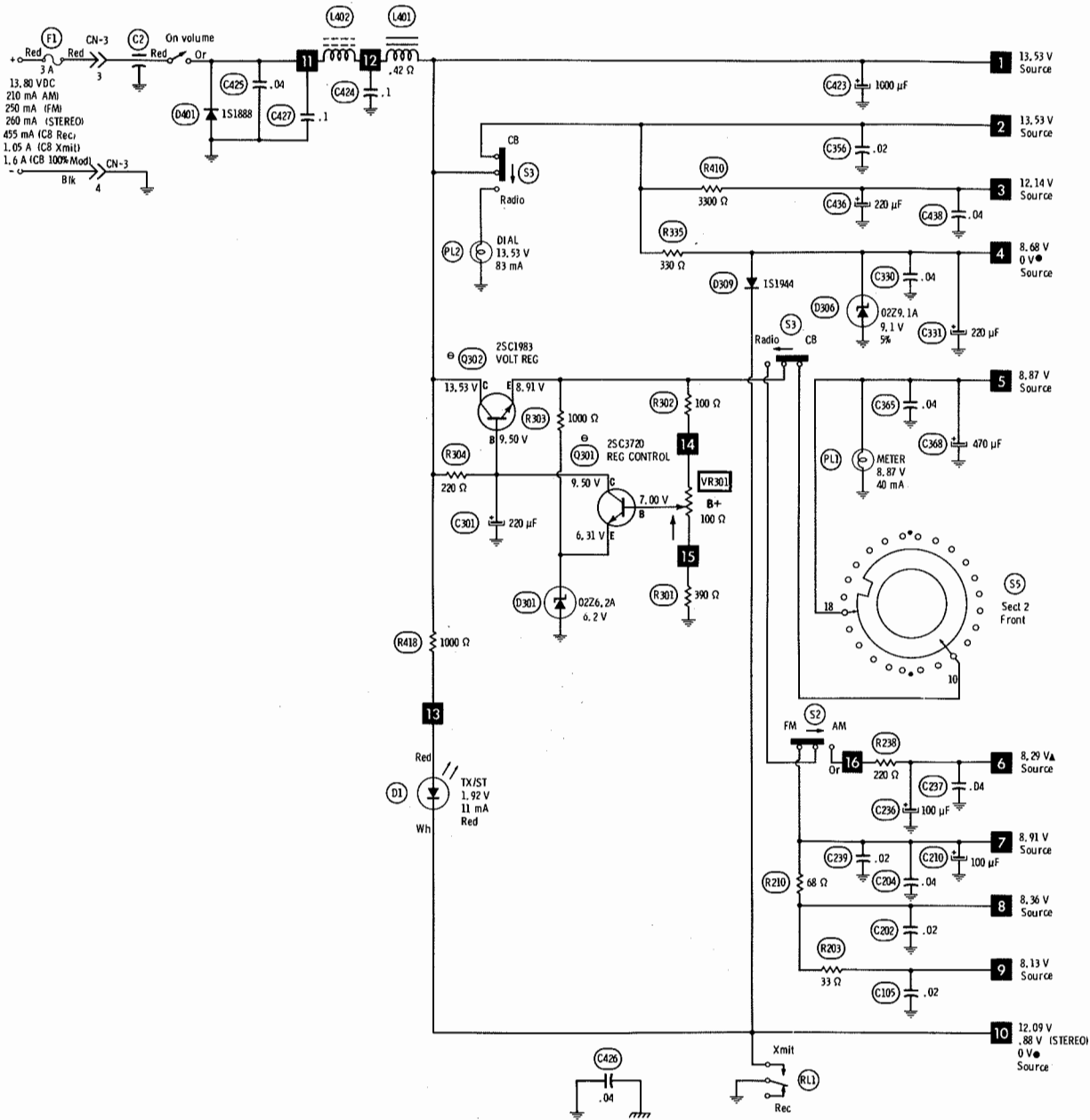
MIC PREAMP - AMC - OUTPUT BOARD



MIC PREAMP - AMC - OUTPUT BOARD



MIC PREAMP - AMC - OUTPUT BOARD



—*— Circuitry not used in some versions

• See parts list

* Nominal value

⊥ Ground

Measurements with switching as shown unless noted:

■ Squelch fully clockwise ♦ 100% modulation

● Transmit

Supply voltage maintained as shown at input.

Voltages measured with digital meter, no signal.

Controls adjusted for normal operation.

Arrow at control indicates direction of advance.

Terminal identification may not be found on unit.

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

Value in () used in some versions.

A PHOTOFAC STANDARD NOTATION SCHEMATIC

WITH CIRCUITRACE™

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Q301 thru Q312
Q315, Q316
Q317, Q402
Bottom view



Q401
Bottom view



Q302, Q313
Front view



Q303
Front view



Q314
Front view



CN-3
Pin view

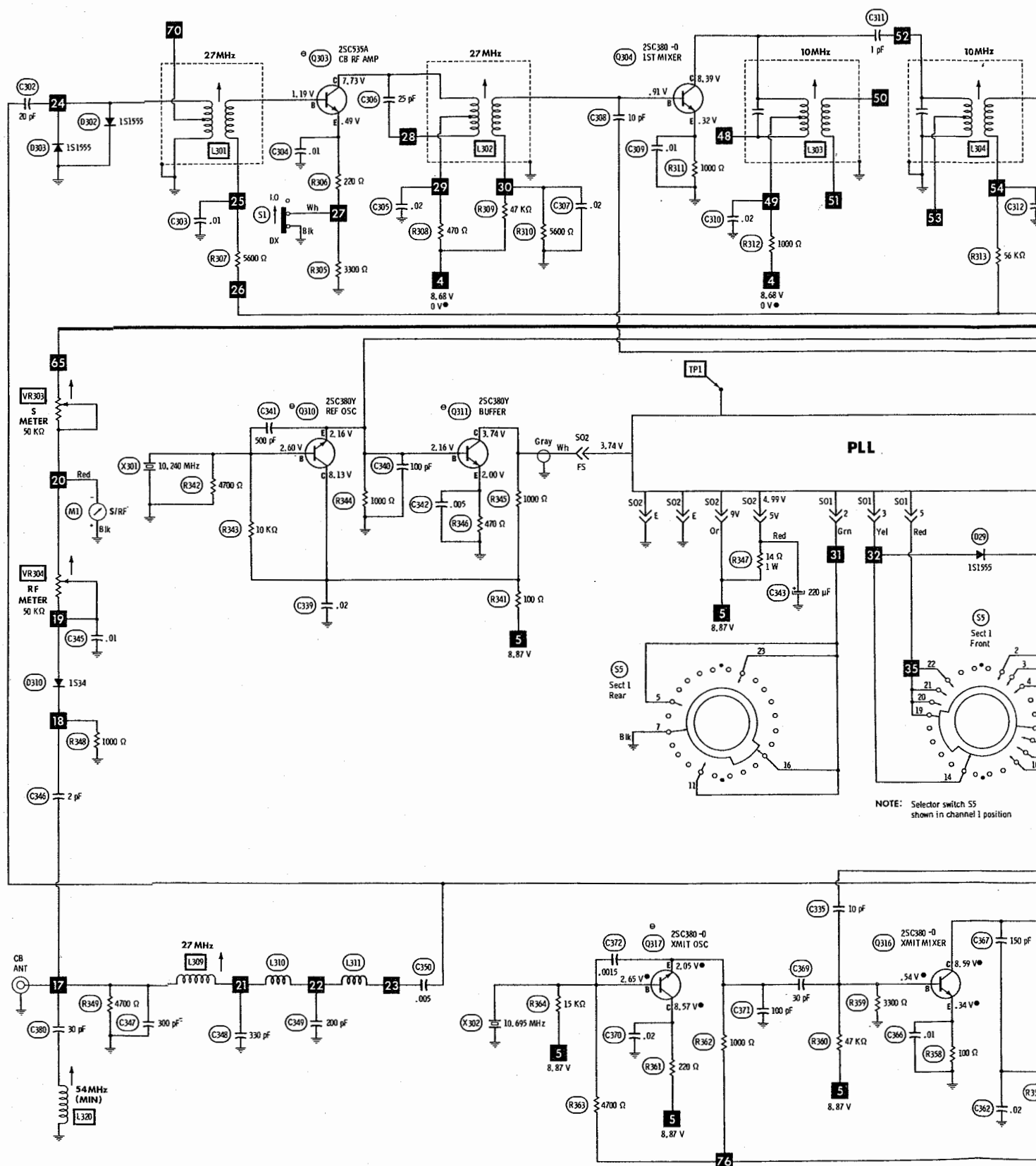


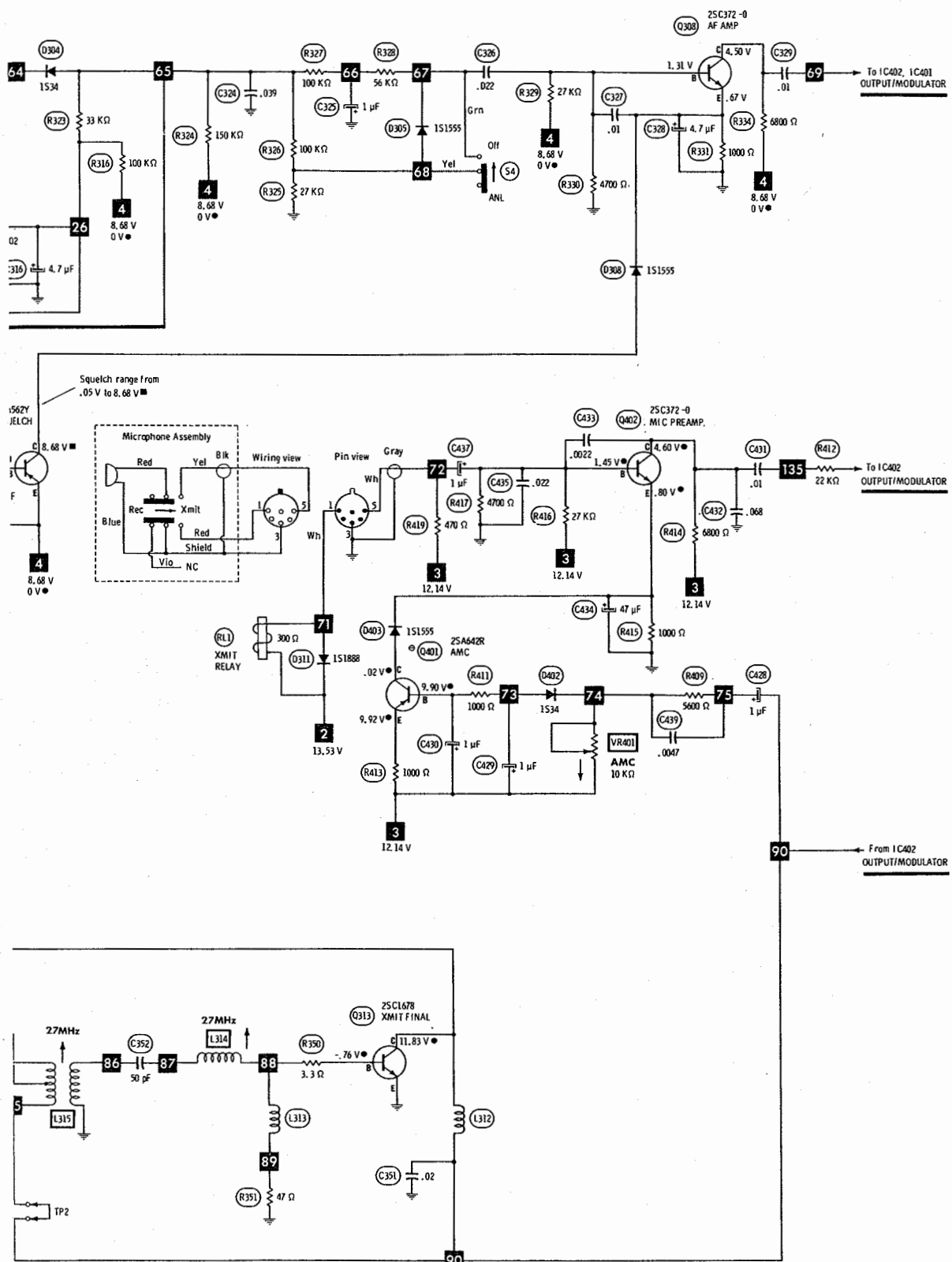
S01
Wiring view

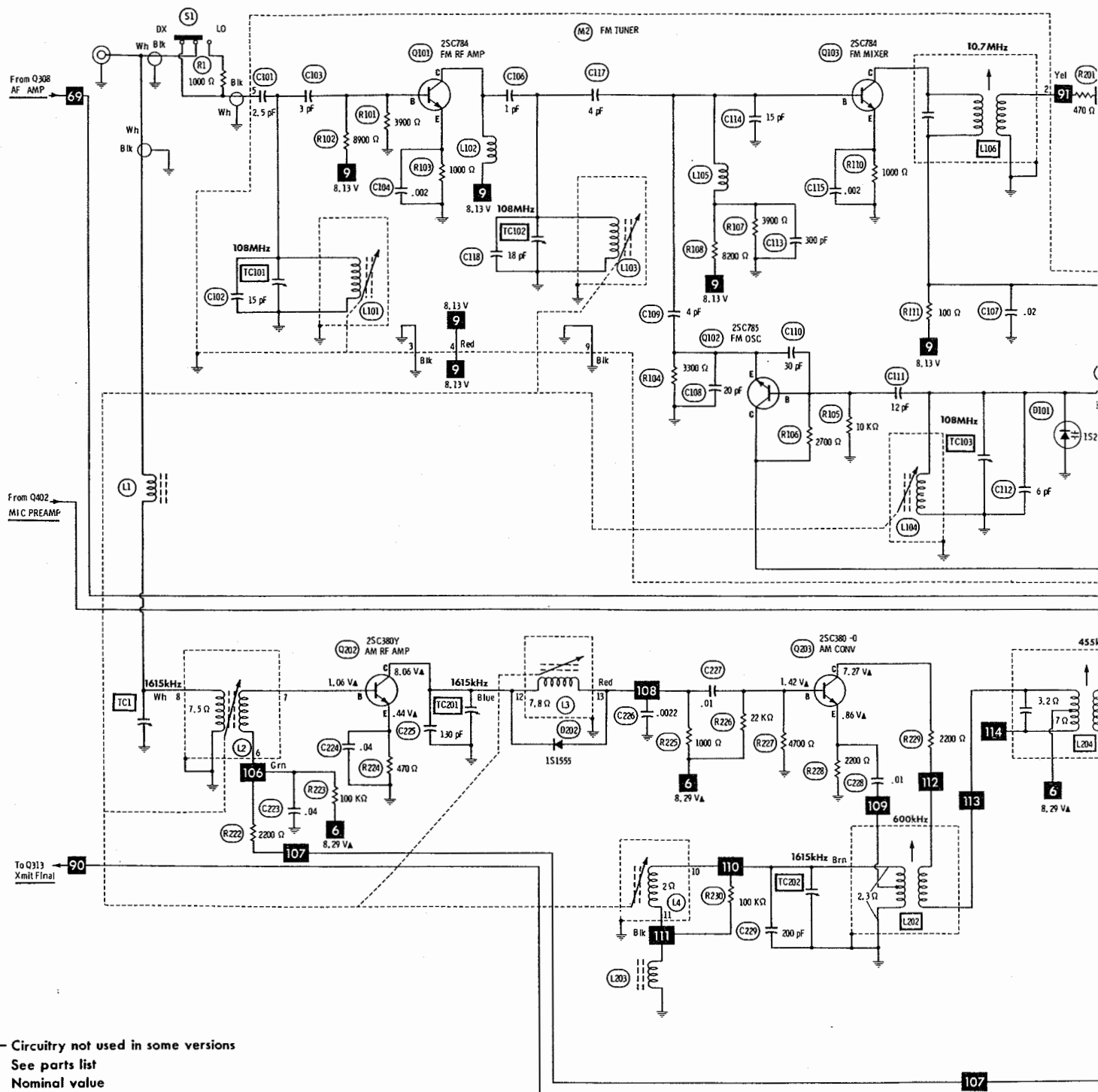


S02
Wiring view

Terminal Guides







✱ Circuitry not used in some versions

⊙ See parts list

✱ Nominal value

⊕ Ground

Measurements with switching as shown unless noted:

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®

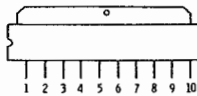
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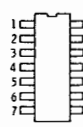
Q201 thru Q205
Bottom view



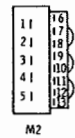
IC201
Side view



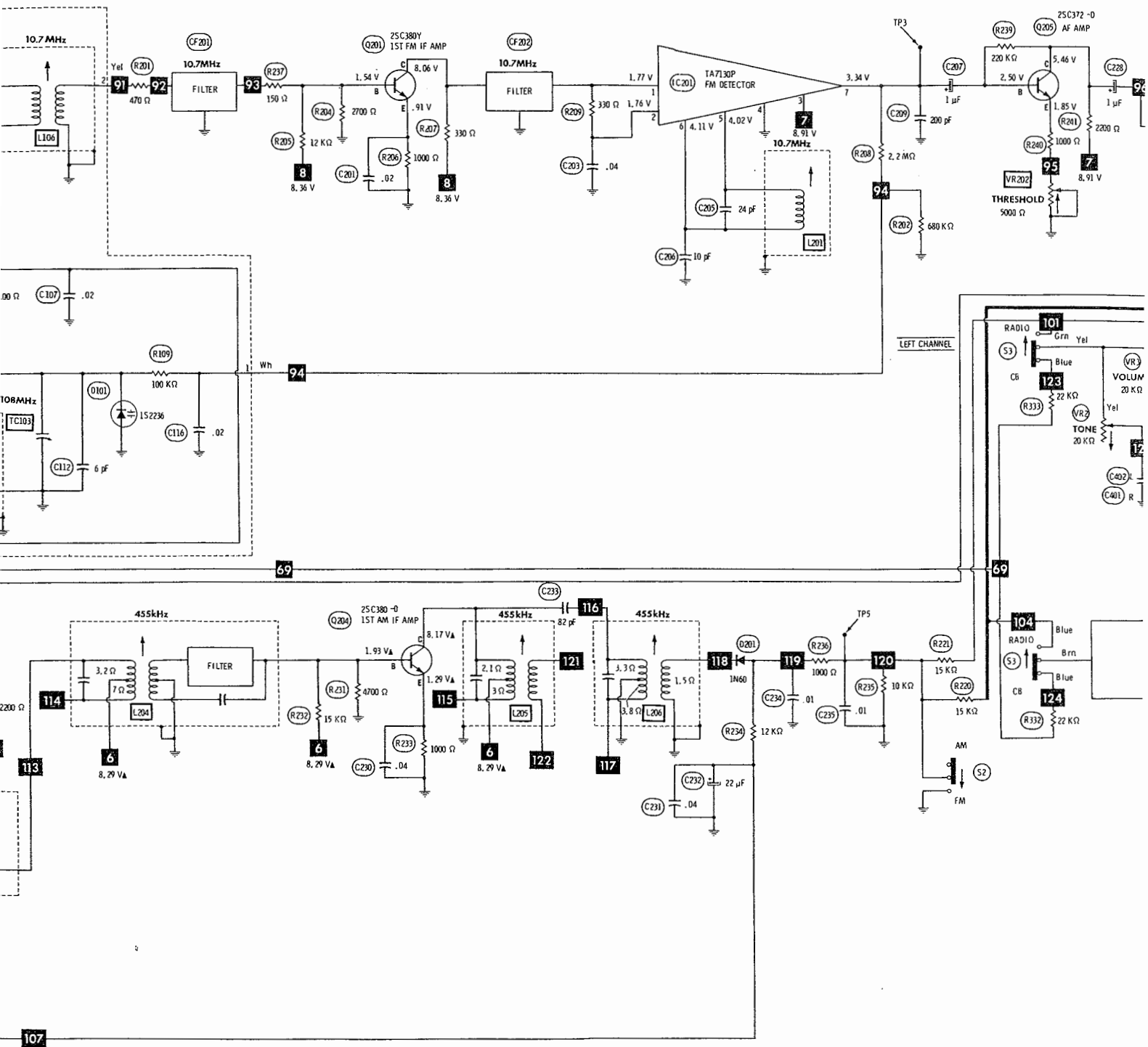
IC401
IC402
Side view



IC202
Top view



M2
Rear view



11
21
31
41
51

M2
Rear
view

PARTS LIST AND DESCRIPTION

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

SEMICONDUCTORS (Select replacement transistor for best results)

ITEM No.	TYPE No.	MFR. PART No.	REPLACEMENT DATA							
			GENERAL ELECTRIC PART No.	IR WORKMAN PART No.	MALLORY PART No.	MOTOROLA PART No.	RAYTHEON PART No.	RCA PART No.	SPRAGUE PART No.	SYLVANIA PART No.
D1			GE-300	D200	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177
D17	1S1555		GE-300	D200	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177
D18	1S1555		GE-300	D200	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177
D19	1S1555		GE-300	D200	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177
D20	1S1555		GE-300	D200	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177
D21	1S1555		GE-300	D200	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177
D22	1S1555		GE-300	D200	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177
D23	1S1555		GE-300	D200	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177
D24	1S1555		GE-300	D200	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177
D25	1S1555		GE-300	D200	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177
D26	1S1555		GE-300	D200	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177
D27	1S1555		GE-300	D200	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177
D28	1S1555		GE-300	D200	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177
D29	1S1555		GE-300	D200	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177
D30	1S1555		GE-300	D200	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177
D201	1N60		1N60	1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109
D202	1S1555		GE-300	D200	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177
D301	02Z6.2A		GEZD-6.2		ZB6.2A	HEPZ0408	RE 109	SK3058	RT-237	ECG137
D302	1S1555		GE-300	D200	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177
D303	1S1555		GE-300	D200	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177
D304	1S34		1N34AS	1N34A	PTC207	HEPR9134	RE 47	SK3087	RT-200	ECG109
D305	1S1555		GE-300	D200	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177
D306	02Z9.1A		GEZD-9.1		ZB9.1B		RE 114	SK3126	RT-240	ECG139
D307	1S1658		GE-90	D201		HEPR2503	RE 195	SK3100	RT-262	
D308	1S1555		GE-300	D200	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177
D309	1S1944		GE-504A	5A6D	PTC202	HEPR0054	RE 49	SK3017A	RT-215	ECG116
D310	1S34		1N34AS	1N34A	PTC207	HEPR9134	RE 47	SK3087	RT-200	ECG109
D311	1S1888		GE-504A	5A6D	PTC202	HEPR0054	RE 49	SK3017A	RT-215	ECG116
D312	1S1888		GE-504A	5A6D	PTC202	HEPR0054	RE 49	SK3017A	RT-215	ECG116
D313	1S1944		GE-504A	5A6D	PTC202	HEPR0054	RE 49	SK3017A	RT-215	ECG116
D401	1S1888		GE-504A	5A6D	PTC202	HEPR0054	RE 49	SK3017A	RT-215	ECG116
D402	1S34		1N34AS	1N34A	PTC207	HEPR9134	RE 47	SK3087	RT-200	ECG109
D403	1S1555		GE-300	D200	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177
IC201	TA7130P		GEIC-181							
IC202	SN76115N		GEIC-35		PTC735	HEPC6096P	RE 334-IC	SK3160	TVCM-73	ECG801
IC401	TA7205P		GEIC-179		PTC780				TVCM-81	ECG1155
IC402	TA7205P		GEIC-179		PTC780				TVCM-81	ECG1155
Q201	2SC380Y		GE-61 *	(IR)2SC380A	PTC136 *	HEPS0016 *	RE 9	SK3018 *	RT-107A	ECG107
Q202	2SC380Y		GE-61 *	(IR)2SC380A	PTC136 *	HEPS0016 *	RE 9	SK3018 *	RT-107A	ECG107
Q203	2SC380-0		GE-61 *	(IR)2SC380A	PTC136 *	HEPS0016 *	RE 9	SK3018 *	RT-107A	ECG107
Q204	2SC380-0		GE-61 *	(IR)2SC380A	PTC136 *	HEPS0016 *	RE 9	SK3018 *	RT-107A	ECG107
Q205	2SC372-0		GE-61 *	(IR)2SC372	PTC121 *	HEPS0015 *	RE 13 *	SK3122	RT-308	ECG123A *
Q301	2SC372-0		GE-61 *	(IR)2SC372	PTC121 *	HEPS0015 *	RE 13 *	SK3122	RT-308	ECG123A *
Q302	2SC373(1)		GE-212	(IR)2SC373	PTC121 *	HEPS0015 *	RE 192	SK3122	RT-105	ECG199
	2SC1983		GE-66	TR-76	PTC167	HEPS5027	RE 21	SK3041	RT-197	ECG152
	2SD235Y		GE-66	TR-76	PTC167	HEPS5027	RE 21	SK3041	RT-197	ECG152
Q303	2SC535A		GE-86	(IR)2SC535B	PTC132 *	HEPS0016 *	RE 9 *	SK3018 *	RT-134	ECG229 *
	2SC1923(1)		GE-61 *	TR-95 *	PTC132 *	HEPS0016 *	RE 9	SK3018 *	RT-107	ECG229 *
Q304	2SC380-0		GE-61 *	(IR)2SC380A	PTC136 *	HEPS0016 *	RE 9	SK3018 *	RT-107A	ECG107
Q305	2SC380-0		GE-61 *	(IR)2SC380A	PTC136 *	HEPS0016 *	RE 9	SK3018 *	RT-107A	ECG107
Q306	2SC380Y		GE-61 *	(IR)2SC380A	PTC136 *	HEPS0016 *	RE 9	SK3018 *	RT-107A	ECG107
Q307	2SC380Y		GE-61 *	(IR)2SC380A	PTC136 *	HEPS0016 *	RE 9	SK3018 *	RT-107A	ECG107
Q308	2SC372-0		GE-61 *	(IR)2SC372	PTC121 *	HEPS0015 *	RE 13 *	SK3122	RT-308	ECG123A *
Q309	2SC380-0		GE-61 *	(IR)2SC380A	PTC136 *	HEPS0016 *	RE 9	SK3018 *	RT-107A	ECG107
Q310	2SC380Y		GE-61 *	(IR)2SC380A	PTC136 *	HEPS0016 *	RE 9	SK3018 *	RT-107A	ECG107
Q311	2SC380Y		GE-61 *	(IR)2SC380A	PTC136 *	HEPS0016 *	RE 9	SK3018 *	RT-107A	ECG107
Q312	2SA562Y		GE-82 *	TR-30 *	PTC103 *	HEPS0019 *	RE 26 *	SK3118 *	RT-303	ECG159 *
Q313	2SC1678(11)		GE-322		PTC186		RE 203	SK3197	RT-146	ECG235
Q314	2SC495T(12)				PTC180		RE 209		RT-162	ECG295
Q315	2SC388A		GE-61 *	(IR)2SC537B	PTC101 *	HEPS0020 *	RE 9 *	SK3018 *	RT-308	ECG107
	2SC383(1)		GE-213	(IR)2SC537B	PTC121 *	HEPS5026 *	RE 192		RT-107A	ECG199
Q316	2SC380-0		GE-61 *	(IR)2SC380A	PTC136 *	HEPS0016 *	RE 9	SK3018 *	RT-107A	ECG107
Q317	2SC380-0		GE-61 *	(IR)2SC380A	PTC136 *	HEPS0016 *	RE 9	SK3018 *	RT-107A	ECG107
Q401	2SA642R,Y		GE-82 *	TR-30 *	PTC103	HEPS0019 *	RE 26 *	SK3114	RT-106	ECG290
Q402	2SA562Y(1)		GE-82 *	TR-30 *	PTC103	HEPS0019 *	RE 26 *	SK3118 *	RT-303	ECG159 *
	2SC372-0		GE-61 *	(IR)2SC372	PTC121 *	HEPS0015 *	RE 13 *	SK3122	RT-308	ECG123A *

* Lead Configuration may vary from original.

(1) Used in some versions.

(11) Rating, 10 Watts @ 3.0 Amp.

(12) Rating, 5.0 Watts @ 800mA.

KRACO MODEL KCB-2370

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
C207	1 50V		PC1-50	VTT1B63	QV1-11	EV-1615
C210	100 10V		PC100-10	VTT100E10	QE1-93	EV-1130
C213	.33 50V NP					
C215	.47 50V NP					
C220	4.7 35V		PC5-50	VTT4R7A50	QV1-29	EV-1519
C221	4.7 35V		PC5-50	VTT4R7A50	QV1-29	EV-1519
C232	22 10V		PC25-25	VTT22A16	QV1-55	EV-1224
C236	100 10V		PC100-10	VTT100E10	QE1-93	EV-1130
C238	1 50V		PC1-50	VTT1B63	QV1-11	EV-1615
C301	220 10V		PC250-10	VTT220F10	QV1-115	EV-1140
C316	4.7 35V		PC5-50	VTT4R7A50	QV1-29	EV-1519
C325	1 50V		PC1-50	VTT1B63	QV1-11	EV-1615
C328	4.7 35V		PC5-50	VTT4R7A50	QV1-29	EV-1519
C331	220 10V		PC250-10	VTT220F10	QV1-115	EV-1140
C333	4.7 35V		PC5-50	VTT4R7A50	QV1-29	EV-1519
C343	220 6.3V		PC250-10	VTT220F10	QV1-115	EV-1140
C344	33 16V		PC30-25	VTT33D25	QV1-63	EV-1325
C368	470 10V		PC500-16	VTT470J16	QV1-149	EV-1150
C373	2.2 6V		PC2-100	VTT2R2A50	QV1-19	EV-1517
C403	1 50V		PC1-50	VTT1B63	QV1-11	EV-1615
C404	4.7 35V		PC5-50	VTT4R7A50	QV1-29	EV-1519
C407	47 10V		PC50-16	VTT47D16	QV1-73	EV-1226
C408	47 10V		PC50-16	VTT47D16	QV1-73	EV-1226
C409	100 10V		PC100-10	VTT100E10	QE1-93	EV-1130
C412	100 10V		PC100-10	VTT100E10	QE1-93	EV-1130
C415	470 10V		PC500-16	VTT470J16	QV1-149	EV-1150
C416	47 10V		PC50-16	VTT470I6	QV1-73	EV-1226
C419	47 16V		PC50-16	VTT470I6	QV1-73	EV-1226
C420	470 16V		PC500-16	VTT470J16	QV1-151	EV-1250
C423	1000 16V		PC1000-16	VTT1000L16	QV1-183	EV-1260
C428	1 50V		PC1-50	VTT1B63	QV1-11	EV-1615
C429	1 50V		PC1-50	VTT1B63	QV1-11	EV-1615
C430	1 50V		PC1-50	VTT1B63	QV1-11	EV-1615
C434	47 10V		PC50-16	VTT470I6	QV1-73	EV-1226
C436	220 10V		PC250-10	VTT220F10	QV1-115	EV-1140
C437	1 50V		PC1-50	VTT1B63	QV1-11	EV-1615

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
C2							
C3							
C4							
C5							
C6							
C201	.02		OC-203	MGP02	TA120	QC2-157	TG-S20
C202	.02		OC-203	MGP02	TA120	QC2-157	TG-S20
C203	.04						
C204	.04						
C205	24		DTZ-25	NP025	CN0425		10TCC-Q25
C206	10 N470				*		10TCT-Q10
C208	.0047 10%				M192P4729R8		192P4729R8
C209	200		OD-201	GP200	GP320		10TS-T20
C211	470 5%			CD15FD471J03	SX347	QW1-42	MNA-471
C212	.047 10%						
C214	.1 10%			WMF05P1	EMF05010		431P1049R5
C216	.022 10%				M192P2239R8		192P2239R8
C217	.022 10%				M192P2239R8		192P2239R8
C218	.015 10%				M192P1539R8		192P1539R8
C219	.015 10%				M192P1539R8		192P1539R8
C223	.04						
C224	.04						
C225	130 N150				*		10TCP-T13
C226	.0022 10%				M192P2229R8		192P2229R8
C227	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C228	.01			DPMS4S1	EMF2110		2PB-S10
C229	200 N470				*		10TCT-T20
C230	.04						
C231	.04						
C233	82		DD-820		GP482		10TS-Q82
C234	.01 10%			DPMS4S1	EMF2110		2PB-S10
C235	.01 10%			DPMS4S1	EMF2110		2PB-S10
C237	.04						
C239	.02		DC-203	MGP02	TA120	QC2-157	TG-S20
C302	20 N220				*		10TCR-Q20

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
C303	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C304	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C305	.02		DC-203	MGP02	TA120	QC2-157	TG-S20
C306	25 10% N220				*		10TCR-Q25
C307	.02		DC-203	MGP02	TA120	QC2-157	TG-S20
C308	10 N220				*		10TCR-Q10
C309	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C310	.02		DC-203	MGP02	TA120	QC2-157	TG-S20
C311	1				CN0510		10TCC-V10
C312	.02		DC-203	MGP02	TA120	QC2-157	TG-S20
C313	10		DTZ-10	NP010	CN0410		10TCC-Q10
C314	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C315	.02		DC-203	MGP02	TA120	QC2-157	TG-S20
C317	.02		DC-203	MGP02	TA120	QC2-157	TG-S20
C318	2		DTZ-2R2	NP02P2	CN0522		10TCC-V22
C319	.04						
C320	.02		DC-203	MGP02	TA120	QC2-157	TG-S20
C321	.02		DC-203	MGP02	TA120	QC2-157	TG-S20
C322	.04						
C323	.02		DC-203	MGP02	TA120	QC2-157	TG-S20
C324	.039 10%				M192P3939R8		192P3939R8
C326	.022 10%				M192P2239R8		192P2239R8
C327	.01 10%			DPMS4S1	EW2110		2PB-S10
C329	.01 10%			DPMS4S1	EW2110		2PB-S10
C330	.04						
C332	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C334	330 10% N330				*		10TCS-T33
C335	10 10% N220				*		10TCS-Q10
C336	100 10% N330				*		10TCS-T10
C337	.01 10%			DPMS4S1	EW2110		2PB-S10
C338	30 N330				*		10TCS-Q30
C339	.02		DC-103	MGP01	TA110	QC2-141	TG-S10
C340	100		DD-101	GP100	GP310		10TS-T10
C341	500		DD-501	GP500	GP350		10TS-T50
C342	.005		DC-502	MGP005	TA250	QC2-123	TG-D50
C345	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C346	2		DTZ-2R2	NP02P2	CN0522		10TCC-V22
C347	300		DD-301	GP300	GP330		10TS-T30
C348	330		DD-331	GP330	GP333		10TS-T33
C349	200		DD-201	GP200	GP320		10TS-T20
C350	.005		DC-502	MGP005	TA250	QC2-123	TG-D50
C351	.02		DC-203	MGP02	TA120	QC2-157	TG-S20
C352	50		DTZ-50	NP050	CN0450		10TCC-Q50
C353	.02		DC-203	MGP02	TA120	QC2-157	TG-S20
C354	30 N220				*		10TCR-P30
C355	.02		DC-203	MGP02	TA120	QC2-157	TG-S20
C356	.02		DC-203	MGP02	TA120	QC2-157	TG-S20
C357	.02		DC-203	MGP02	TA120	QC2-157	TG-S20
C358	20 N220				*		10TCR-Q20
C359	200		DD-201	GP200	GP320		10TS-T20
C360	150 10% N470				*		10TCT-T15
C361	3		DTZ-3R3	NP03P3	CN0533		10TCC-V33
C362	.02		DC-203	MGP02	TA120	QC2-157	TG-S20
C363	150		DD-151		GP315		10TS-T15
C364	3		DTZ-3R3	NP03P3	CN0533		10TCC-V33
C365	.04						
C366	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C367	150 10% N470				*		10TCT-T15
C369	30 N220				*		10TCR-Q30
C370	.02		DC-203	MGP02	TA120	QC2-157	TG-S20
C371	100		DD-101	GP100	GP310		10TS-T10
C372	.0015 5%			CD19FD152J03	SX215		MWC-152
C379	.01 10%			DPMS4S1	EW2110		2PB-S10
C380	30 N220				*		10TCR-Q30
C401	.1 10%			WMF05P1	EW05010		431P1049R5
C402	.1 10%			WMF05P1	EW05010		431P1049R5
C405	400		DD-391	GP390	GP339		10TS-T39
C406	400		DD-391	GP390	GP339		10TS-T39
C410	60		DD-560		GP456		10TS-Q56
C411	70		DTZ-68	NP068	CN0468		10TCC-Q68
C413	.1 10%			WMF05P1	EW05010		431P1049R5
C414	50		DTZ-50	NP050	CN0450		10TCC-Q50
C417	.1 10%			WMF05P1	EW05010		431P1049R5
C418	.1 10%			WMF05P1	EW05010		431P1049R5
C421	50		DTZ-50	NP050	CN0450		10TCC-Q50
C422	.1 10%			WMF05P1	EW05010		431P1049R5
C424	.1 10%			WMF05P1	EW05010		431P1049R5
C425	.04						
C426	.04						
C427	.1 10%			WMF05P1	EW05010		431P1049R5
C431	.01 10%			DPMS4S1	EW2110		2PB-S10
C432	.068 10%			WMF1S68	EW1A168	QF1-195	1PB-S68
C433	.0022 10%				M192P2229R8		192P2229R8

KRACO MODEL KCB-2370

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
C435	.022				M192P2239R8		192P2239R8
C438	.04						
C439	.0047		DD-472	GP4700	GP247		5GA-D47
C440	.02		DC-203	MGPO2	TA120	QC2-157	TG-S20
TC1							
TC201							
TC202							

* 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	RESISTANCE	REPLACEMENT DATA				
			MFR. PART No.	CENTRALAB PART No.	CLAROSTAT PART No.	MALLORY PART No.	TRW PART No.
VR1	Squelch	5000					
VR2-1	Tone-Left	20K					
VR2-2	Tone-Right	20K					
VR3-1	Volume-Left	20K					
VR3-2	Volume-Right/Switch	20K					
VR4	Balance	20K					
VR201	Separation	5000		T-5000 (2)	C-502 (2)	MTC53L1 (2)	X201R502B (2)
VR202	Threshold	5000		T-5000 (2)	C-502 (2)	MTC53L1 (2)	X201R502B (2)
VR301	B+ Adjustment	100		T-1000 (2)	C-102 (2)	MTC13L1 (2)	X201R102B (2)
VR302	IF Gain	1000		T-1000 (2)	C-102 (2)	MTC13L1 (2)	X201R102B (2)
VR303	S Meter	50K		T-50K (2)	C-503 (2)	MTC54L1 (2)	X201R503B (2)
VR304	RF Meter	50K		T-50K (2)	C-503 (2)	MTC54L1 (2)	X201R503B (2)
VR401	AMC	10K		T-10K (2)	C-103 (2)	MTC14L1 (2)	X201R103B (2)

(2) Cut off one of the end terminals and bend to fit PC board.

COILS (RF-IF)

ITEM No.	FUNCTION	REPLACEMENT DATA			REMARKS
		PART No.	OTHER IDENTIFICATION	MILLER PART No.	
L1	RF Choke				
L2	AM RF (1615kHz)				
L3	AM RF (1615kHz)				
L4	AM RF (1615kHz)				
L101	FM RF (108MHz)				
L102	RF Choke				
L103	FM RF (108MHz)				
L104	FM Osc (108MHz)				
L105	RF Choke				
L106	FM Mixer (10.7MHz)				
L201	FM Det (10.7MHz)				
L202	AM Conv (600kHz)				
L203	AM Image Trap				
L204	AM IF (455kHz)		50E7		
L205	AM IF (455kHz)		E3603463AV		
L206	AM IF (455kHz)		E4010463CV		
L301	Rec Antenna (27MHz)		2E16007B		
L302	Rec RF (27MHz)		3E45008		
L303	Rec Mixer (10MHz)		621V		
L304	Rec Mixer (10MHz)		621V		
L305	CB IF (455kHz)		E36034		
L306	CB IF (455kHz)		2E48012		
L307	CB IF (455kHz)		E40104		
L308	PLL (16MHz)		108007		
L309	Antenna Match (27MHz)				
L310	Pi Filter				
L311	RF Choke				
L312	RF Choke				
L313	RF Choke		3R3		
L314	Xmit Driver (27MHz)				
L315	Xmit Driver (27MHz)				
L316	Xmit Buffer (27MHz)				
L317	Harmonic Suppressor (27MHz)		1-08008B		
L318	Harmonic Suppressor (27MHz)		1-08009		
L319	Xmit Osc (27MHz)		1-08009		
L320	TVI Trap (54MHz)				
L402	RF Choke				

PARTS LIST AND DESCRIPTION (CONTINUED)

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

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.	
L401	1.6A	.42	2.9mH				

TRANSFORMER (Driver)

ITEM No.	TURNS RATIO			REPLACEMENT DATA			NOTES
	PRI.	SEC. 1	SEC. 2	MFGR. PART No.	THORDARSON PART No.	TRIAD PART No.	
T301	1	2		0104 (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	
F1	3Amp Fast-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		18-032	18-034	18-010		1	3	5	NC	NC	3	

CRYSTALS

ITEM No.	CRYSTAL FREQUENCY IN MHz	MFGR. PART No.	CTS KNIGHTS PART No.	CHANNEL	ITEM No.	CRYSTAL FREQUENCY IN MHz	MFGR. PART No.	CTS KNIGHTS PART No.	CHANNEL
X301	10.240		CA83M10240	Ref Osc	X302	10.695		CB90M10695	Xmit Osc

KRACO MODEL KCB-2370

PARTS LIST AND DESCRIPTION (CONTINUED)

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

MISCELLANEOUS

ITEM No.	PART NAME	PART No.	NOTES
CF201	Filter		10.7MHz
CF202	Filter		10.7MHz
CF301	Filter		455kHz (CFU4SSH)
M1	Meter		S/Rf
M2	Tuner		FM
RL1	Relay		Xmit/Rec
S1	Switch		LO/DX
S2	Switch		AM/FM
S3	Switch		CB/Radio
S4	Switch		ANL
S5	Switch		Channel Selector
	PLL		44552
	Printed Circuit Board		CB Main (11-0101)
	Printed Circuit Board		Switch (TLC-332-T)

WIRING DATA

General-use Hook-up Wire	Use BELDEN No. 8530 (Solid) Available in 13 Colors
	8524 (Stranded) Available in 13 Colors
Shielded Antenna Lead	Use BELDEN No. 8214 Lowest-loss (RG-8/U Type)
	8237 Low-loss (RG-8/U)
	8240 (Solid) Miniature (RG-58/U)
	8259 (Stranded) Miniature (RG-58A/U)
Coiled Microphone Cable	Use BELDEN No. 8497 3-Conductor (1 shielded for Press-to-Talk) Neoprene
Bonding Strap	Use BELDEN No. 8661 (3/8 inch)

DIAL CORD STRINGING

TOP VIEW

