

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

COILS (RF-IF)

ITEM No.	FUNCTION	REPLACEMENT DATA			REMARKS
		PART No.	OTHER IDENTIFICATION	MILLER PART No.	
L101	FM Antenna	4-265R-15100			
L102	FM Antenna	4-265R-15100			
L104	FM RF	4-265R-12000			
L105	FM RF Trap	4-265R-12600			
L106	FM Oscillator	4-265R-11700			
L107	AM Antenna	4-257T-09004			
L108	AM Oscillator	4-258T-13240	8T132		
T301	1st FM, IF	4-265R-20810	6R20879CM		
T302	2nd FM, IF	4-265R-19510	6R19579BM		
T304	FM Ratio Detector	4-256R-15110	6R15179HM		
T305	FM Ratio Detector	4-256R-02310	6R02378JM		
T306	1st AM IF	4-256R-00110	6R0011077FT		
T308	2nd AM IF	4-256R-00210	6R0021076DT		

TRANSFORMER (Power)

ITEM No.	RATING			REPLACEMENT DATA			NOTES
	PRI.	SEC. 1	SEC. 2	MFGR. PART No.	THORDARSON PART No.	TRIAD PART No.	
T701	120V AC @ 27mA	5.99V AC @ 40mA 40mA DC	4.93V AC @ 45mA DC	4-251T-63900			
	18.79V AC @ 20mA DC						

SPEAKER

ITEM No.	TYPE	REPLACEMENT DATA		NOTES
		MFGR. PART No.	QUAM PART No.	
SP	3" PM 8 Ohms	4-151T-11000 (T-11072)	30AD528R	

MISCELLANEOUS

ITEM No.	PART NAME	PART No.	NOTES
B101	Ferrite Bead	123-2-471R-10400	
J701	Jack	4-235T-29900	Earphone
PL	Lamp	4-612T-05504	6V @ 30mA
S1	Switch	4-231T-67300	FM/AM Band
S2	Switch	4-231T-54571	Slide Switch, Auto/On/Off
S3	Switch	4-231R-14571	Radio/Buzzer
S5	Switch		Sleep
S6	Switch		Slow-Time Set
S7	Switch		Fast-Time Set
S8	Switch		Alarm
S9	Switch		Snooze, Sleep, Off
	Power Cord	4-243T-77373	120V AC 27mA
	LED	SL146211C	Clock
	P.C. Board Assembly, Clock	140-9-230T-18302	
	P.C. Board Assembly, Radio	141-9-230T-18202	

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

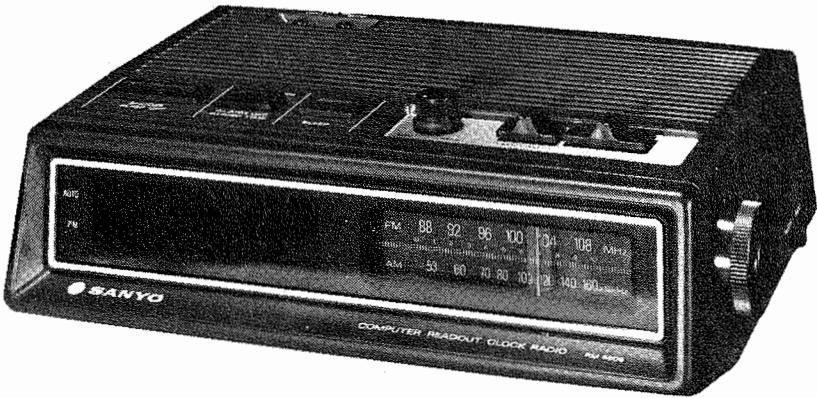
ITEM	PART No.	ITEM	PART No.
Top Lid Assembly	141-9-124T-04701	Knob, Volume	141-2-163T-40800
Bottom Lid	141-2-125T-10924	Knob, Tuning	141-2-163T-40700
Front Panel Assembly	141-9-122T-03600	Pushbutton, Auto Repeat	141-2-161T-39100
Dial Pointer	141-2-511T-10900	Pushbutton, Alarm	141-2-161T-39000
Knob, Band	141-2-164T-20500	Pushbutton, Sleep	141-2-161T-38900
Knob, Function	141-2-164T-19200		

PHOTOFACT® Folder

with CIRCUITRACE®

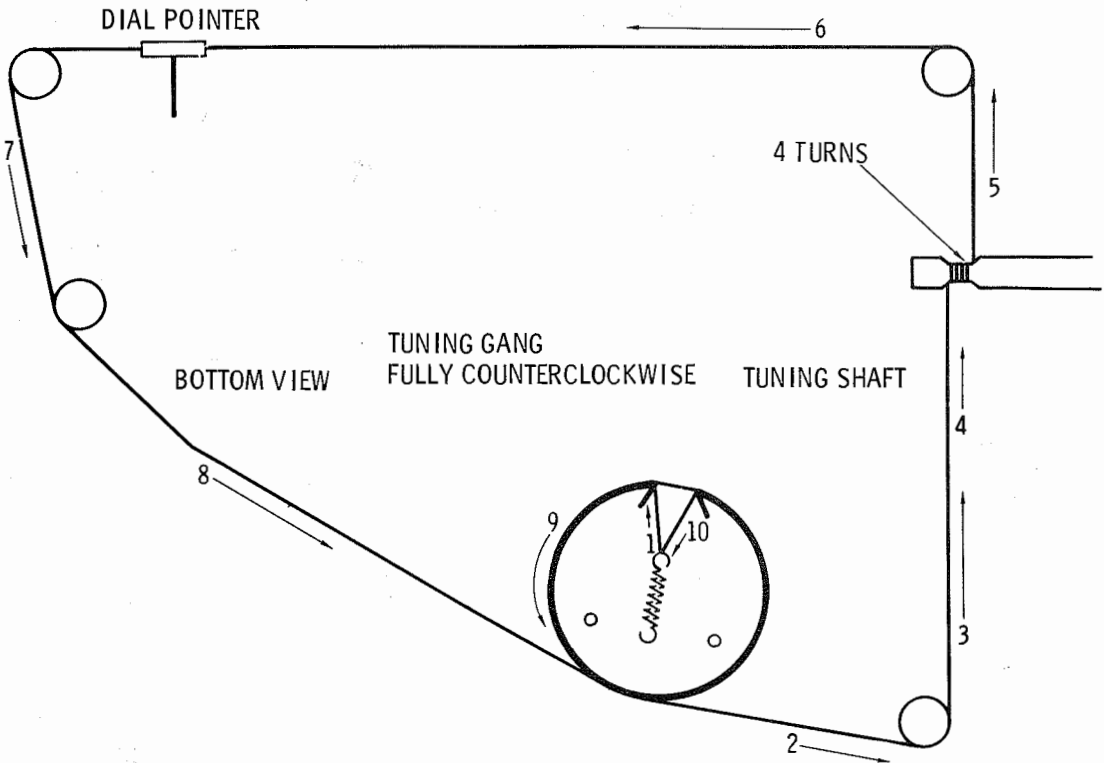
SANYO MODEL
RM5500A

For Supplier Address See PHOTOFACT Index



MODEL RM5500A

DIAL CORD STRINGING



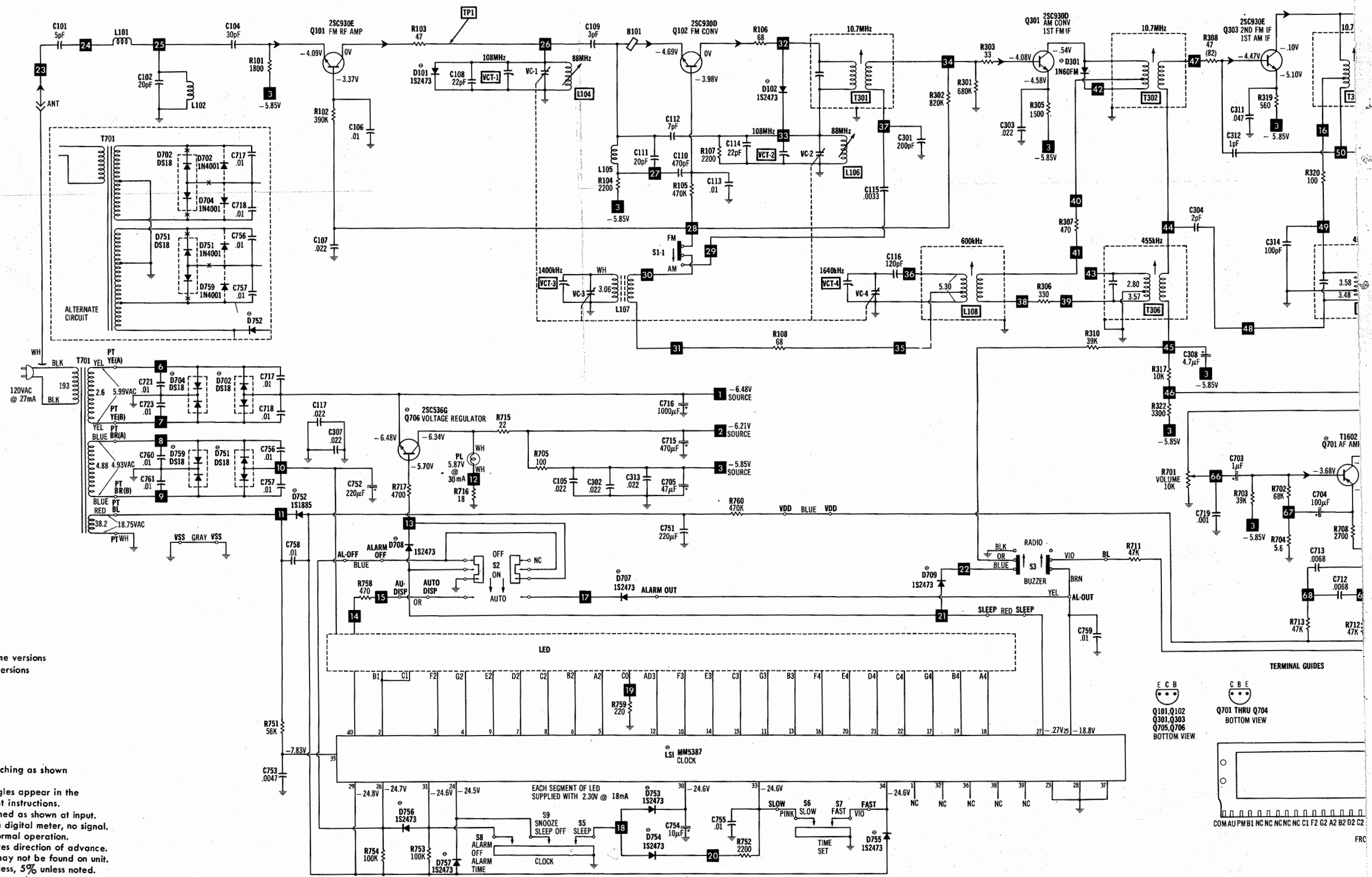
HOWARD W. SAMS & CO., INC. Indianapolis, Indiana 46206

The listing of any available replacement part herein does not constitute in any case a recommendation, warranty or guaranty by Howard W. Sams & Co., Inc., as to the quality and suitability of such replacement part. The numbers of these parts have been compiled from information furnished to Howard W. Sams & Co., Inc., by the manufacturers of the particular type of replacement part listed. 9PK2283

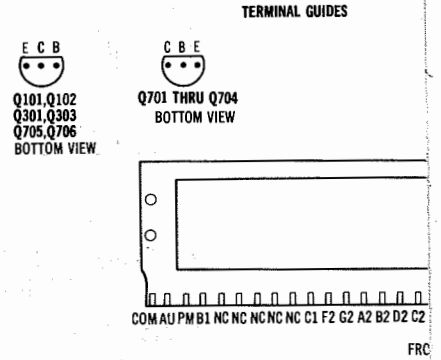
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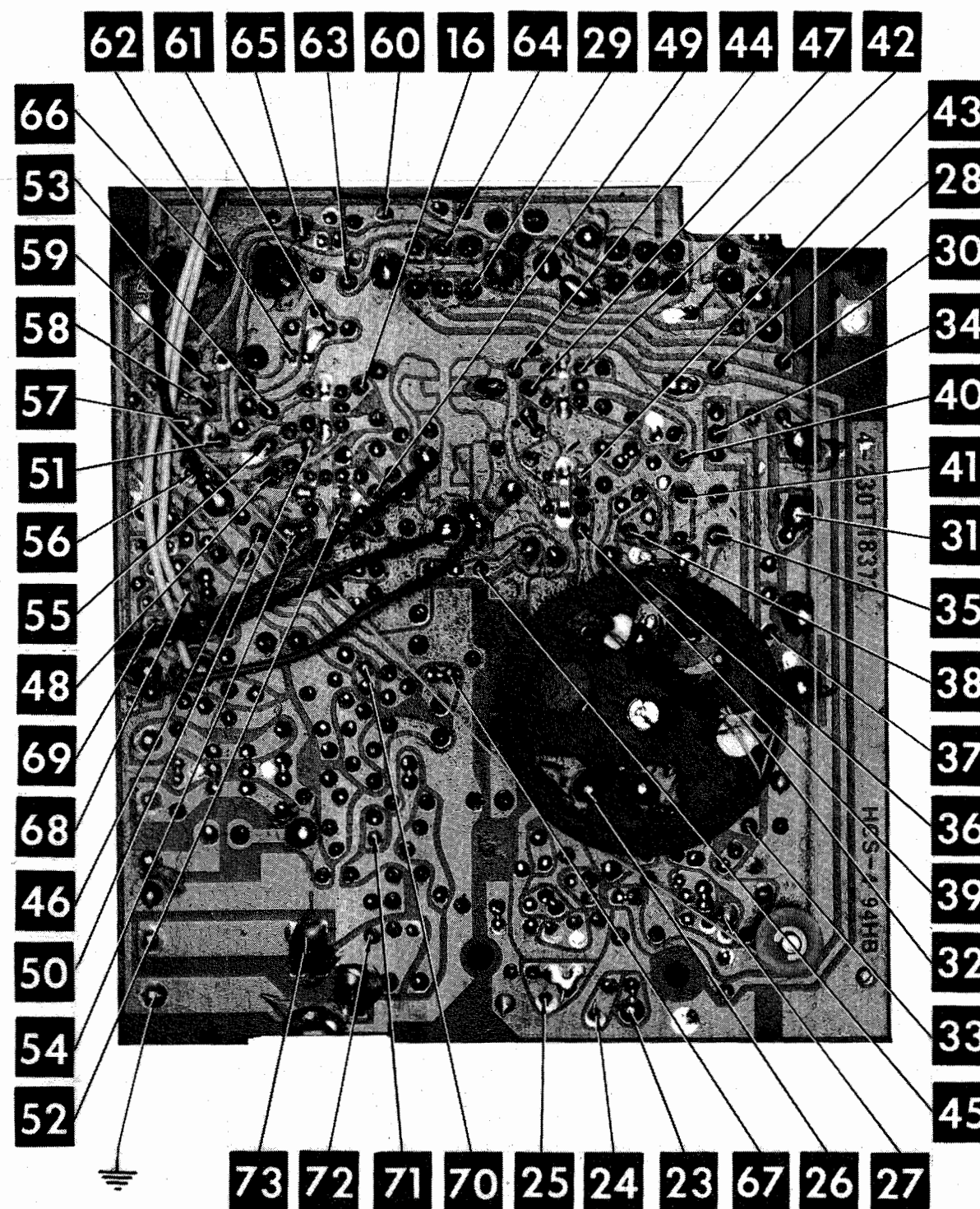
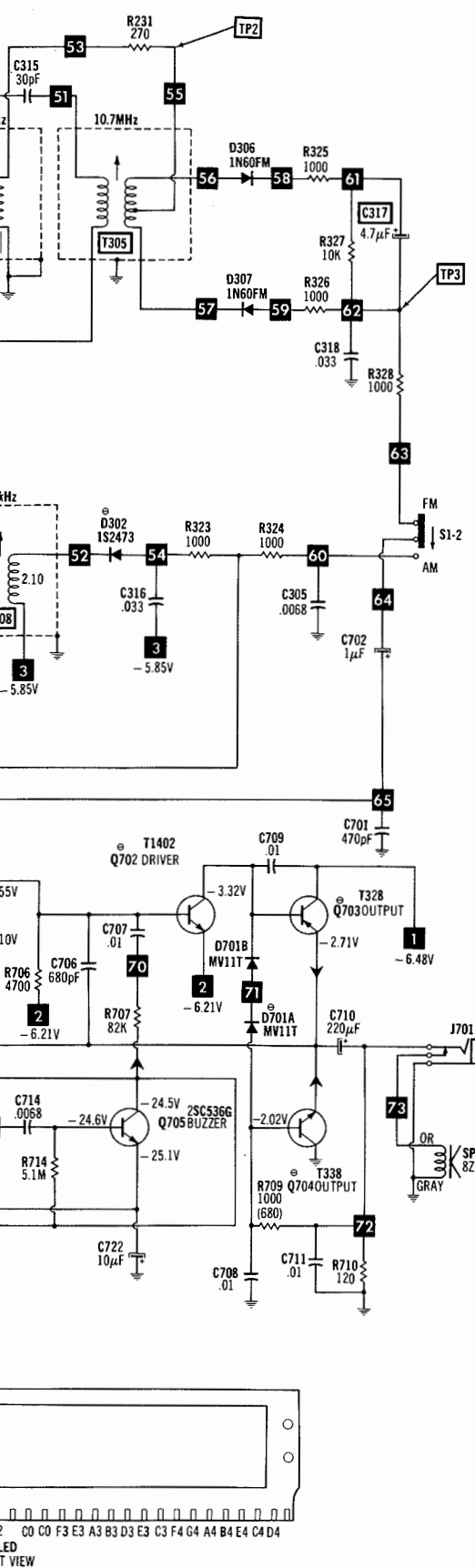
DATE 6-79

SET 1823 FOLDER 4



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





SANYO MODEL
RM5500A

PARTS LIST AND DESCRIPTION
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General-use Unshielded Hook-up Wire	Use Belden No. 8528 (Solid) Available in 13 Colors 8522 (Stranded) Available in 13 Colors
Power Cord	Use Belden No. 17106 (Plastic) -6 Ft. 17109 (Plastic) -9 Ft.
Low-loss Shielded Lead (Interconnection) .	Use Belden No. 8401 or 8421

ITEM No.	TYPE No.	MFG. PART No.	REPLACEMENT DATA							
			GENERAL ELECTRIC PART No.	MALLORY PART No.	RAYTHEON PART No.	RCA PART No.	SYLVANIA PART No.	THORDARSON PART No.	WORKMAN PART No.	ZENITH PART No.
D101	1S2473		GE-514	PTC214	REN 177	SK3100	ECG519	TM519	WEP925	103-287
	DS442X		GE-514	PTC214	REN 177	SK3100	ECG519	TM519	WEP925	103-287
D102	1S2473		GE-514	PTC214	REN 177	SK3100	ECG519	TM519	WEP925	103-287
	DS442X		GE-514	PTC214	REN 177	SK3100	ECG519	TM519	WEP925	103-287
D301	1N60FM		1N60	PTC206	REN 109	SK3088	ECG109	TM109/**	WEP134	103-29001
D302	1S2473		GE-514	PTC214	REN 177	SK3100	ECG519	TM519	WEP925	103-287
	DS442X		GE-514	PTC214	REN 177	SK3100	ECG519	TM519	WEP925	103-287
D306	1N60FM		1N60	PTC206	REN 109	SK3088	ECG109	TM109/**	WEP134	103-29001
D307	1N60FM		1N60	PTC206	REN 109	SK3088	ECG109	TM109/**	WEP134	103-29001
D701A	MV11T			PTC302			ECG605	TM605		
D701B	MV11T			PTC302			ECG605	TM605		
D702	DS18		GE-504A	PTC201	REN 116	SK3311	ECG116	TM116	WEP156	212-76-02
	1N4001	(2)	GE-504A	1N4001	REN 116	SK3312	ECG116	TM116	WEP156	212-76-02
D704	DS18		GE-504A	PTC201	REN 116	SK3311	ECG116	TM116	WEP156	212-76-02
	1N4001	(2)	GE-504A	1N4001	REN 116	SK3312	ECG116	TM116	WEP156	212-76-02
D707	1N2473		GE-514	PTC214	REN 177	SK3100	ECG519	TM519	WEP925	103-287
	1N4148		GE-514	PTC214	REN 177	SK3100	ECG519	TM519	WEP925	103-287
D708	1N2473		GE-514	PTC214	REN 177	SK3100	ECG519	TM519	WEP925	103-287
	1N4148		GE-514	PTC214	REN 177	SK3100	ECG519	TM519	WEP925	103-287
D709	1N2473		GE-514	PTC214	REN 177	SK3100	ECG519	TM519	WEP925	103-287
	1N4148		GE-514	PTC214	REN 177	SK3100	ECG519	TM519	WEP925	103-287
D751	DS18		GE-504A	PTC201	REN 116	SK3311	ECG116	TM116	WEP156	212-76-02
	1N4001	(2)	GE-504A	1N4001	REN 116	SK3312	ECG116	TM116	WEP156	212-76-02
D752	1S1885		GE-504A	PTC201	REN 116	SK3311	ECG116	TM116	WEP156	212-76-02
	1N4002		GE-504A	1N4002	REN 116	SK3312	ECG116	TM116	WEP156	212-76-02
D753	1S2473		GE-514	PTC214	REN 177	SK3100	ECG519	TM519	WEP925	103-287
	DS442X		GE-514	PTC214	REN 177	SK3100	ECG519	TM519	WEP925	103-287
D754	1S2473		GE-514	PTC214	REN 177	SK3100	ECG519	TM519	WEP925	103-287
	DS442X		GE-514	PTC214	REN 177	SK3100	ECG519	TM519	WEP925	103-287
D755	1S2473		GE-514	PTC214	REN 177	SK3100	ECG519	TM519	WEP925	103-287
	DS442X		GE-514	PTC214	REN 177	SK3100	ECG519	TM519	WEP925	103-287
D756	1S2473		GE-514	PTC214	REN 177	SK3100	ECG519	TM519	WEP925	103-287
	DS442X		GE-514	PTC214	REN 177	SK3100	ECG519	TM519	WEP925	103-287
D757										

* Lead configuration may vary from original.
/** Also available as exact type replacement.
(2) Two required.

ITEM No.	RATING	REPLACEMENT DATA				
		MFGR. PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.	
					Q-LINE	GENERAL LINE
C308	4.7 25V		PC5-50	VTT4R7B50	QV1-31	EV-1619.1
C317	4.7 25V		PC5-50	VTT4R7B50	QV1-31	EV-1619.1
C702	1 25V		PC1-50	VTT1A50	QV1-11	EV-1615
C703	1 25V		PC1-50	VTT1A50	QV1-11	EV-1615
C704	100 6.3V		PC100-10	VTT100E10	QV1-93	EV-1131
C705	470 10V		PC500-16	VTT470K16	QV1-151	EV-1251
C710	220 10V		PC250-10	VTT220F10	QV1-115	EV-1140
C715	470 10V		PC500-16	VTT470K16	QV1-151	EV-1251
C716	1000 10V		PC1000-16	VTT1000L10	QV1-179	EV-1161
C722	10 35V		PC10-50	VTT10D63	QV1-45	EV-1622
C751	220 35V		WBR250-50*	VTT220K35	QV1-121	EV-1440
C752	220 10V		PC250-10	VTT220F10	QV1-115	EV-1140
C754	10 35V		PC10-50	VTT10D63	QV1-45	EV-1622

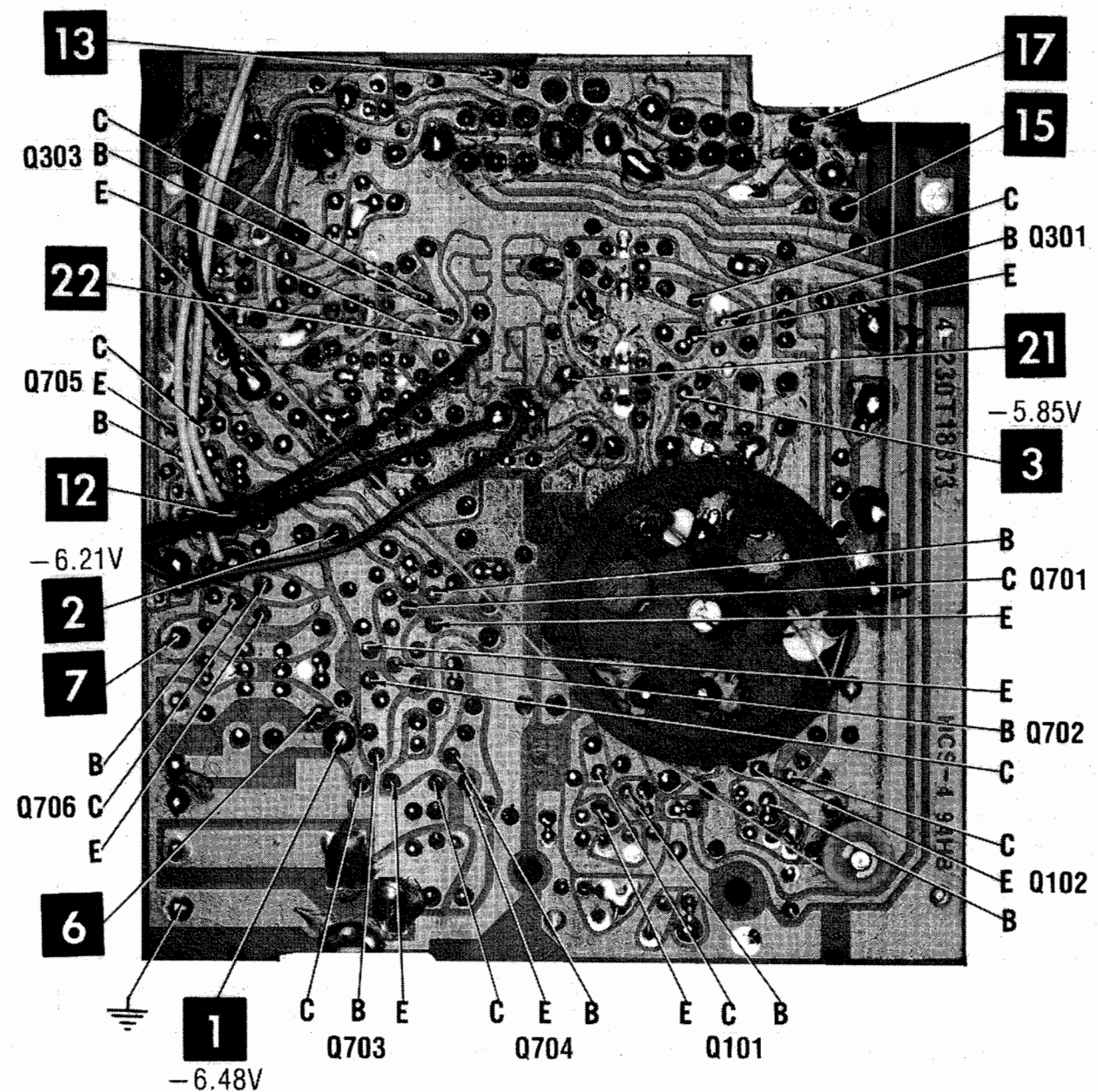
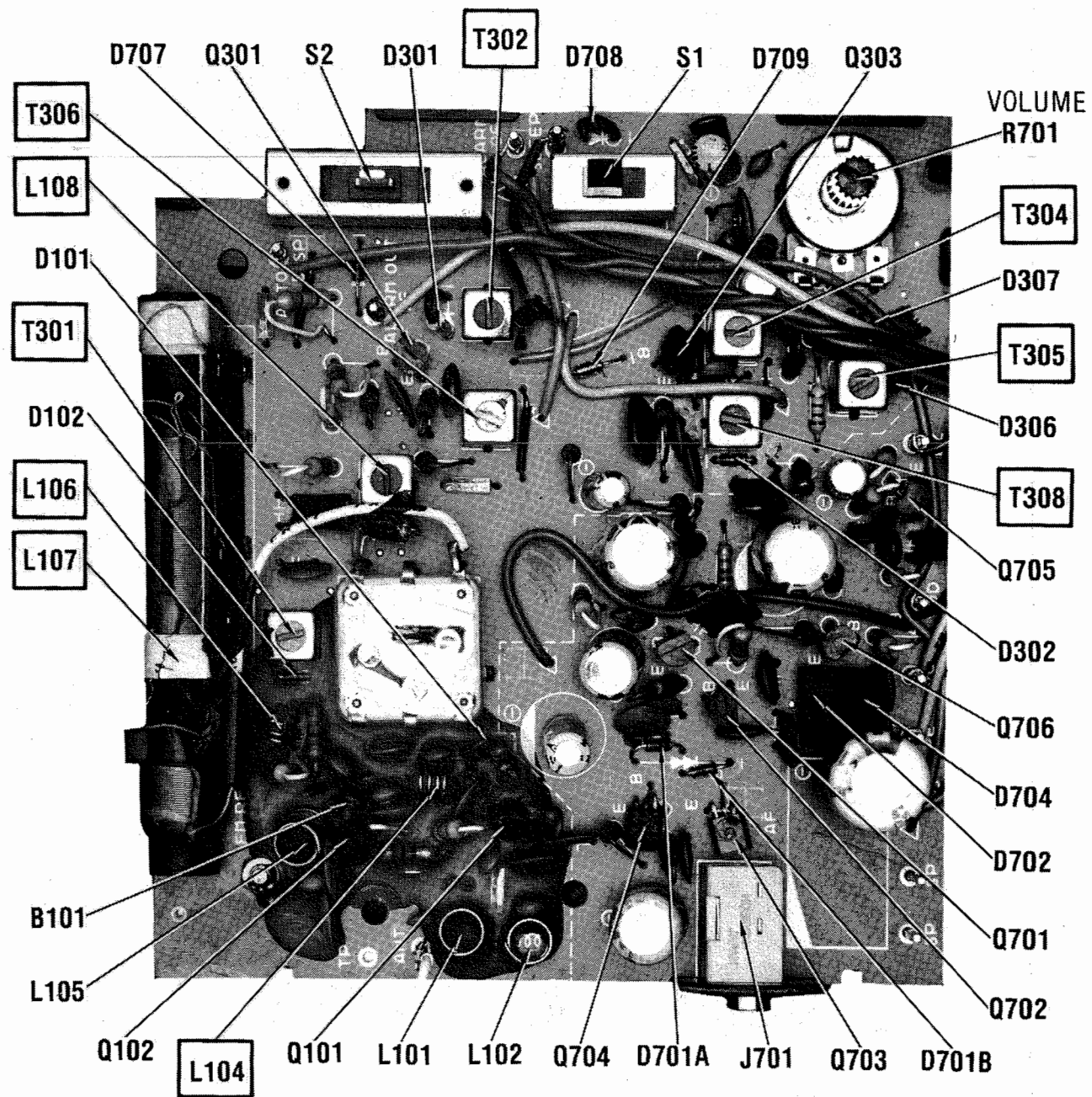
* Axial replacement for radial device.

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

ITEM No.	RATING	MFG. PART No.	REPLACEMENT DATA				
			CENTRALAB PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.	
						Q-LINE	GENERAL LINE
C101	5 50V ±.5				*		
C102	20 50V 10%		DTZ-20	NP020	CN0420		10TCC-V50
C104	30 50V 10%		DTZ-33	NP033	CN0433		10TCC-020
C105	.022 50V		DC-253	MGP025	TA125		10TCC-Q33
C106	.01 50V		UK50-103		MAG5011		TG-S25
C107	.022 50V		DC-253	MGP025	TA125		TG-S25
C108	22 50V 10%		DTZ-22	NP022	CN0422		10TCC-Q22
C109	3 50V ±.25				CN0533		
C110	470 50V 10%		DD-471	GP470	GP347		10TS-T47
C111	20 50V 10%		DTZ-20	NP020	CN0420		10TCC-Q20
C112	7 50V ±.5				CN0568		
C113	.01 50V		UK50-103		MAG5011		
C114	22 N470 50V 10%				*		10TCT-Q22
C115	.0033 50V 10%				M192P3329R8		192P3329R8
C116	120 125V 5%			CD15F0121J03	SK312	QW1-29	MWA-121
C117	.022 50V			MGP025	TA125		TG-S25
C301	200 50V		DC-253				10TCC-T20
C302	.022 50V		DTZ-200				TG-S25
C303	.022 50V		DC-253	MGP025	TA125		192P2239R8
C304	2 50V ±.25				CN0522		
C305	.0068 50V			WMF1D68	EWFI A268	QF1-73	1PB-D68
C307	.022 50V			MGP025	TA125		TG-S25
C311	.047 50V		DC-253	DPMS2S47	EWFI A147	QF1-171	1PB-S47
C312	1 50V ±.25				CN0510		
C313	.022 50V		DC-253	MGP025	TA125		TG-S25
C314	100 50V		DTZ-100	NP0100	CN0310		10TCC-T10
C315	30 50V 10%		DTZ-33	NP033	CN0433		10TCC-Q33
C316	.033 50V				M192P3339R8		192P3339R8
C318	.0033 50V		UK50-333		MAG50133		
C701	470 50V		00-471	GP470	GP347		10TS-T47
C706	680 50V		DD-681	GP680	GP368		10TS-T68
C707	.01 50V			WMF1S1	EWFI A110	QF1-91	1PB-S10
C708	.01 50V		UK50-103		MAG5011		
C709	.01 50V		UK50-103		MAG5011		
C711	.01 50V		UK50-103		MAG5011		
C712	.0068 50V			WMF1D68	EWFI A268	QF1-73	1PB-068
C713	.0068 50V			WMF1D68	EWFI A268	QF1-73	1PB-068
C714	.0068 50V			WMF1D68	EWFI A268	QF1-73	1PB-068
C717	.01 50V		UK50-103		MAG5011		
C718	.01 50V		UK50-103		MAG5011		
C719	.001 50V		DD-102		GP210		10TS-D10
C721	.01 50V		UK50-103		MAG5011		
C723	.01 50V		UK50-103		MAG5011		
C753	.0047 50V				M192P4729R8		192P4729R8
C755	.01 50V		UK50-103		MAG5011		
C756	.01 50V		UK50-103		MAG5011		
C757	.01 50V		UK50-103		MAG5011		
C758	.01 50V		UK50-103		MAG5011		
C759	.01 50V		UK50-103		MAG5011		
C760	.01 50V		UK50-103		MAG5011		
C761	.01 50V		UK50-103</				

(1) Part of VC1, tuning gang.

ITEM No.	FUNCTION	RESIST-ANCE	REPLACEMENT DATA			
			MFGGR. PART No.	CENTRALAB PART No.	MALLORY PART No.	TRW PART No.
R701	Volume	10K	4-222T-40200			



MAIN BOARD

A Howard W. Sams CIRCUITRACE® Photo

MAIN BOARD

SANTO MODEL
RM5500A

FOLDER 4

ALIGNMENT INSTRUCTIONS

CAUTION: Use isolation transformer or observe polarity when connecting test equipment. Connect low sides of generator and indicator to ground unless specified otherwise. Maintain line voltage at 120V AC. Allow a 15-minute warm-up period. Use only enough generator output to obtain a suitable indication. Suggested Alignment Tools: GC ELECTRONICS: All Coils and Trimmers 5000, 8276, 9089

AM ALIGNMENT—SELECTOR IN AM POSITION

Connect generator across loop fashioned of several turns of wire. Set volume at maximum.				
GENERATOR FREQUENCY	RADIO DIAL SETTING	INDICATOR	ADJUST	REMARKS
455kHz 400-hertz Modulation	Tuning gang fully open	Output meter across voice coil	T308,T306	Adjust for maximum. Repeat until no further improvement is noted.
600kHz	600kHz	"	L108	Adjust for maximum.
1640kHz	1640kHz	"	VCT-4	Adjust for maximum.
1400kHz	1400kHz	"	VCT-3	Adjust for maximum. Repeat AM alignment until no further improvement is noted.

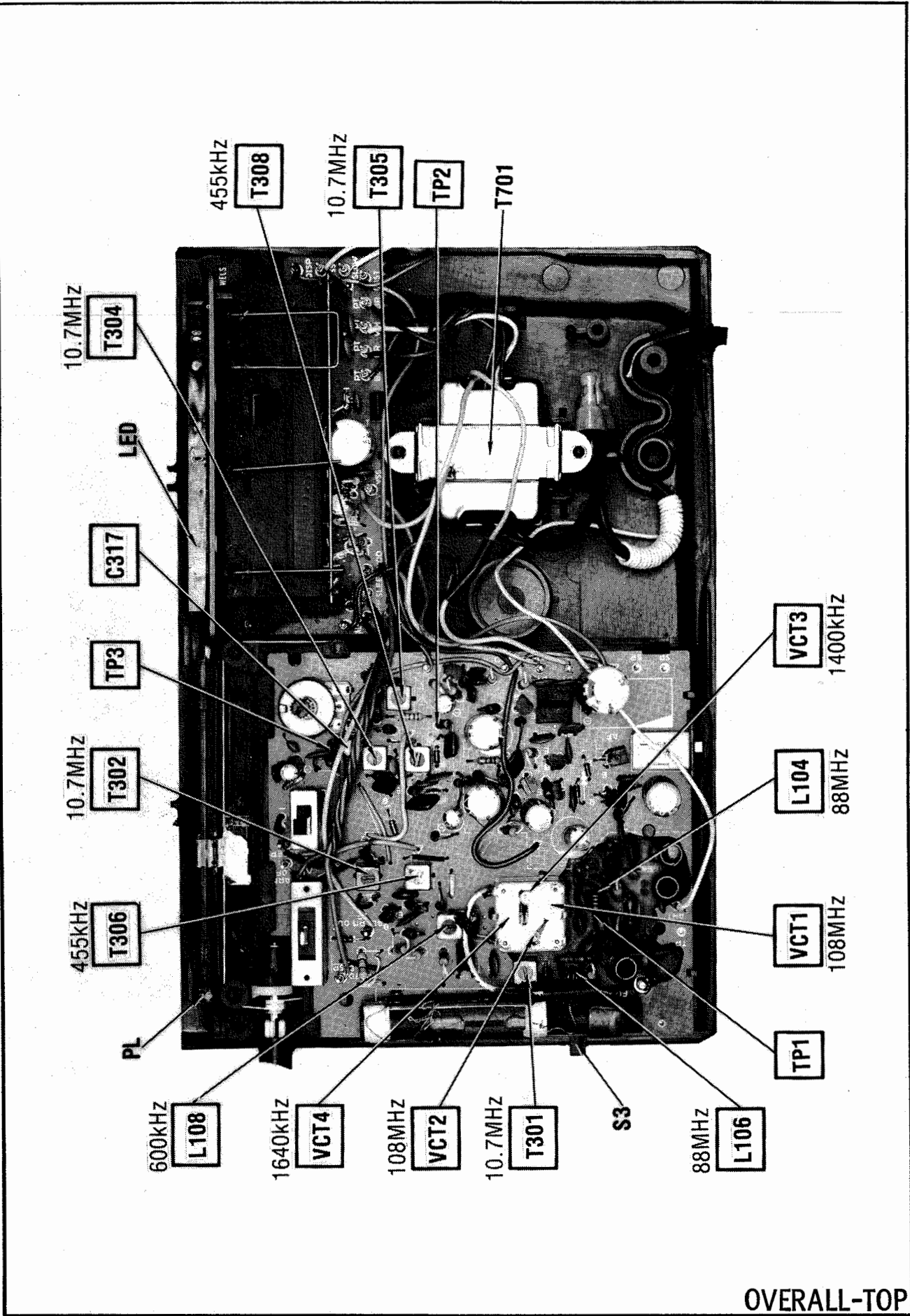
FM IF ALIGNMENT USING FM SIGNAL GENERATOR—SELECTOR IN FM POSITION

High side of generator thru .001uF to TP1. 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	T304,T302 T301 (1)	Disconnect stabilizing capacitor C317 Adjust for maximum gain and symmetry of response similar to Fig. 1. Reconnect
"	"	Vert input of scope to TP3	T305	Adjust T305 for maximum amplitude and straightness of line, similar to Fig. 2.

FM RF ALIGNMENT—SELECTOR IN FM POSITION

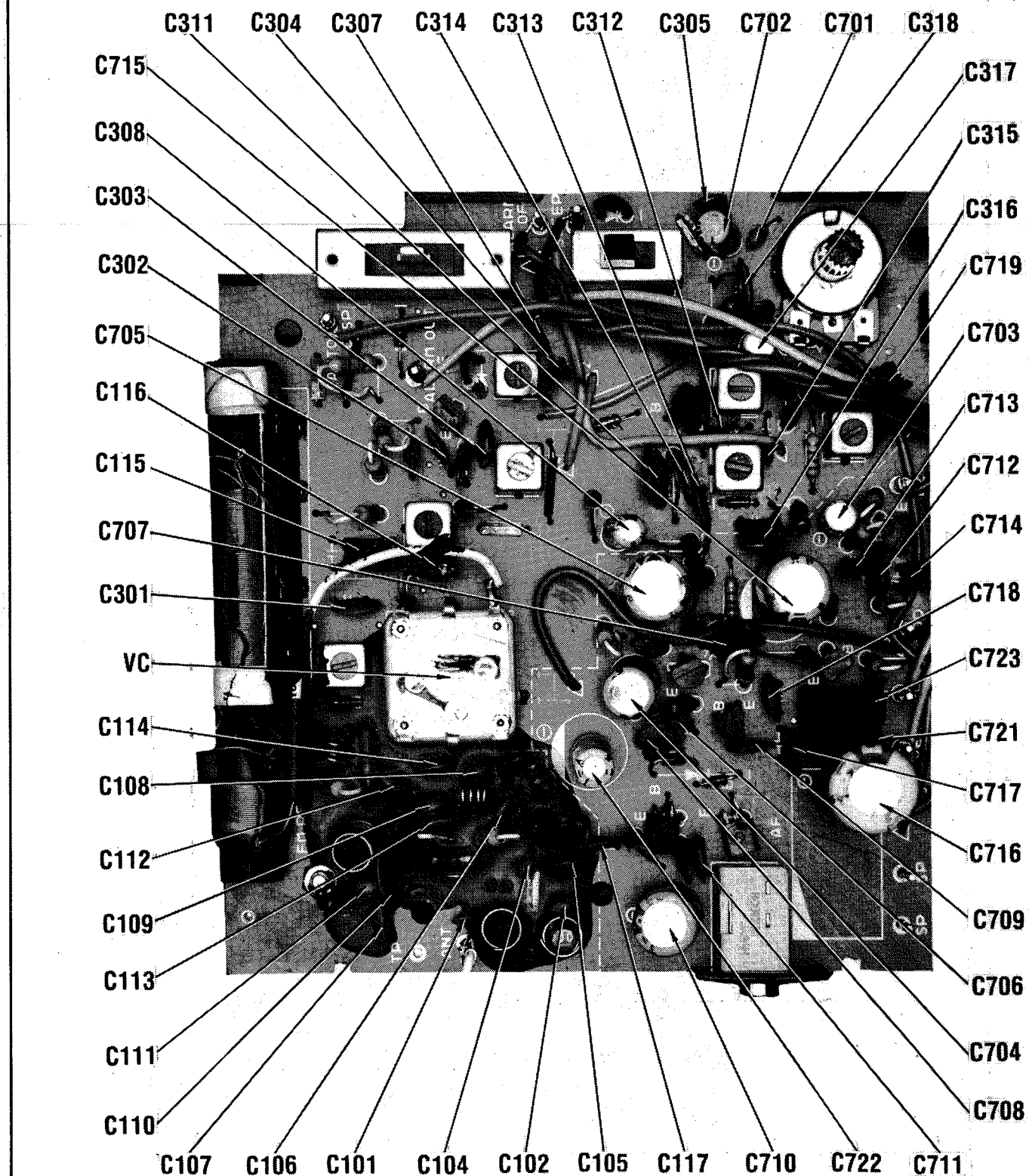
Connect generator across antenna terminals with 120-ohm carbon resistor in series with each lead. Adjustment of coils by bending should not be attempted unless the coil is deformed or replaced.				
GENERATOR FREQUENCY	RADIO DIAL SETTING	INDICATOR	ADJUST	REMARKS
88MHz Modulated	88MHz	AC probe of VTVM to speaker	L106,L104	Adjust for maximum.
108MHz Modulated	108MHz	"	VCT-2, VCT-1	Adjust for maximum. Repeat FM RF steps until no further improvement is noted.

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

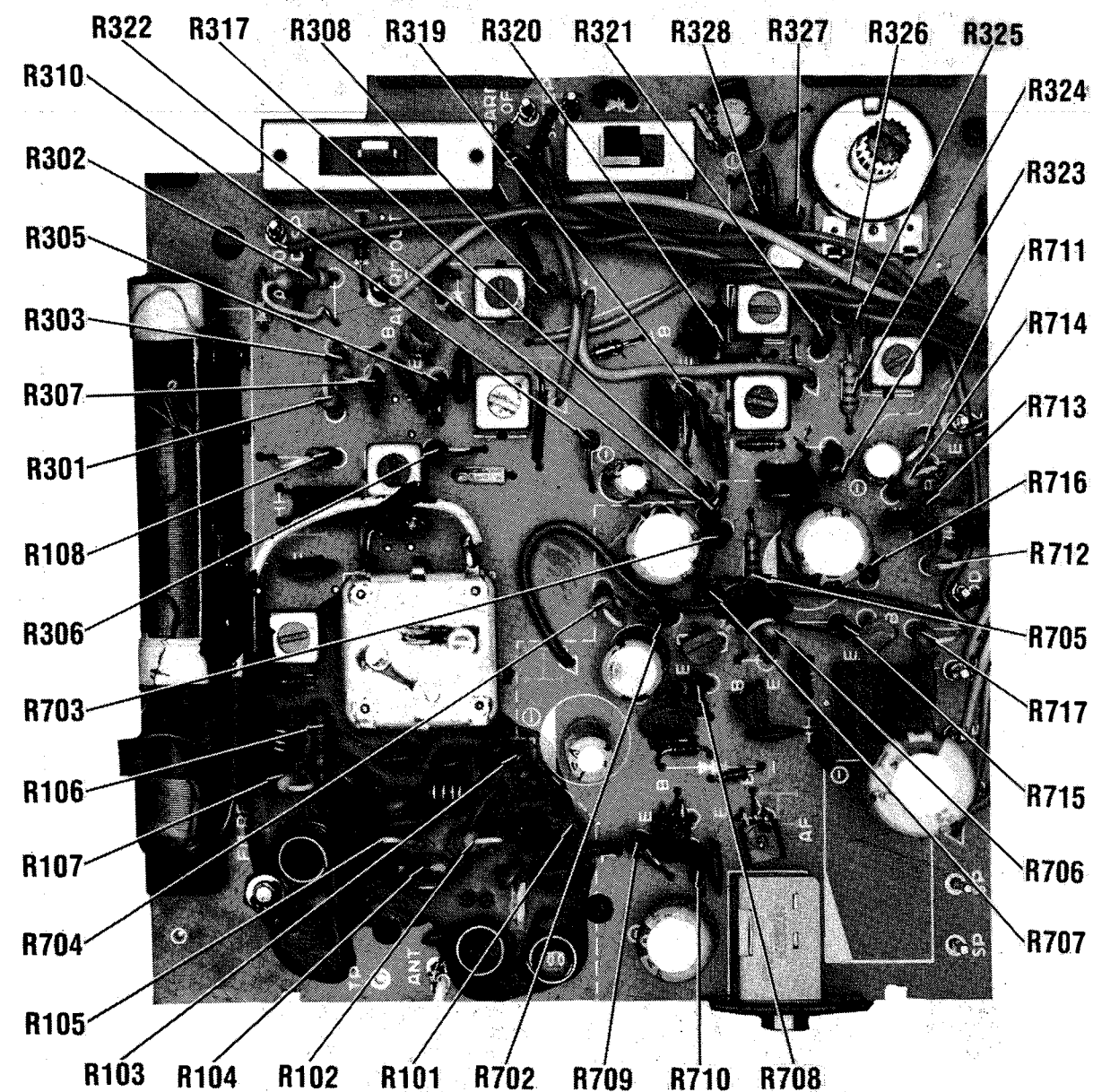


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FOLDER 4



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