

MOTOROLA MODEL VK-106

TRADE NAME Motorola Models VT-105, VT-105M, VK-106, VK-106B, VK-106M, VT-107, VT-107M,
(Ch. TS-9, TS-9A, TS-9B, TS-9C)
MANUFACTURER Motorola Inc., 4545 Augusta Blvd., Chicago, Illinois
TYPE SET Television Receiver
TUBES Twenty-Three (Ch. TS-9, TS-9B), Twenty-One (Ch. TS-9A), Twenty-Two (Ch. TS-9C)

POWER SUPPLY 105-125 Volts, 60 Cycles AC **RATING:** 2.1 Amps. @ 117 Volts
TUNING RANGE—Channels 2 thru 13.

INDEX

	Page	Page
Alignment Instructions	6,7	Photographs (continued)
Block Diagram	14	Oscillator Alignment Points
Chassis Variations	15	RF Alignment Points
Disassembly Instructions	15	Resistor Identification
Horizontal Sweep Adjustments	15	Trans., Inductor and Alignment Identification
Parts List and Description	16,17,18,19	13,20
Photographs		Schematic
Cabinet-Rear View	19	2
Capacitor Identification	12,21	Schematic (Chassis Variations)
Chassis-Top View	3,11	22
		Tube Placement Chart
		5
		Voltage and Resistance Measurements
		8

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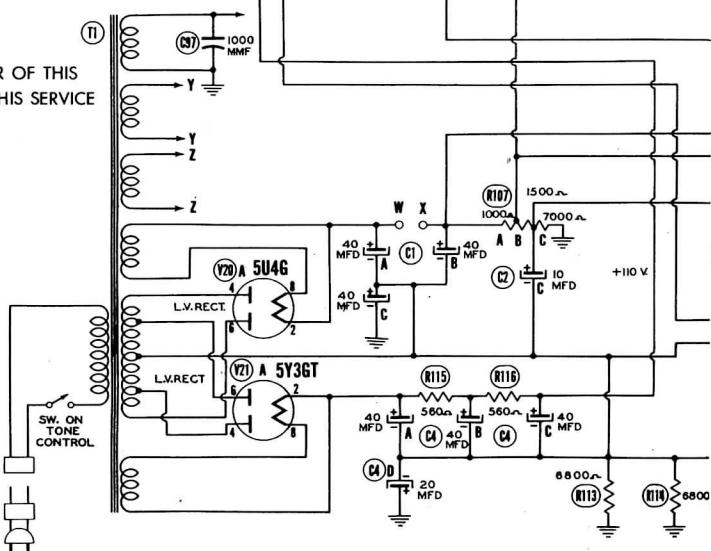
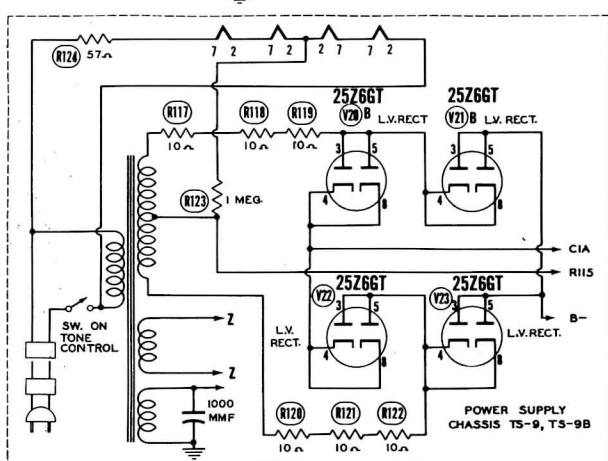
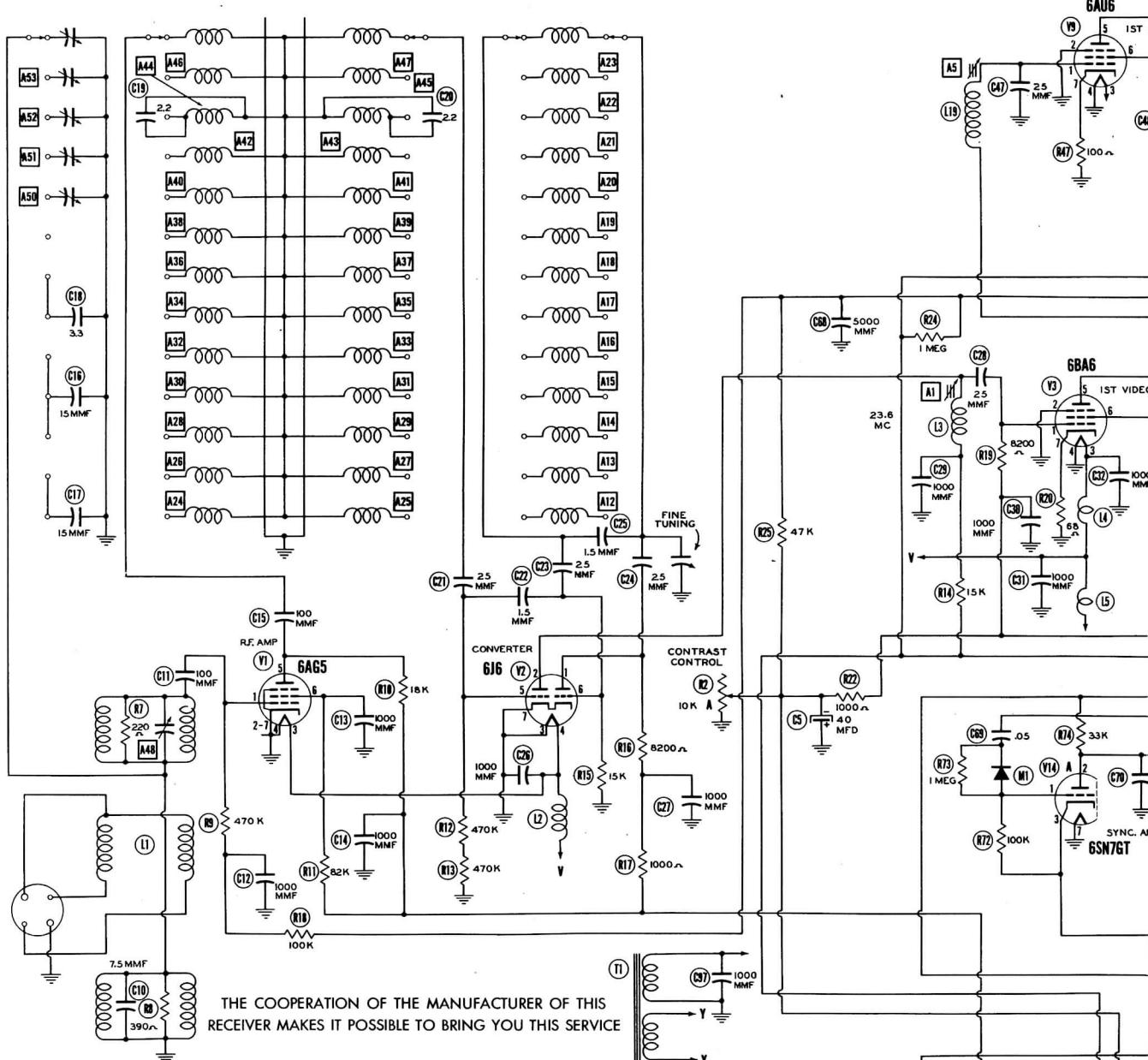
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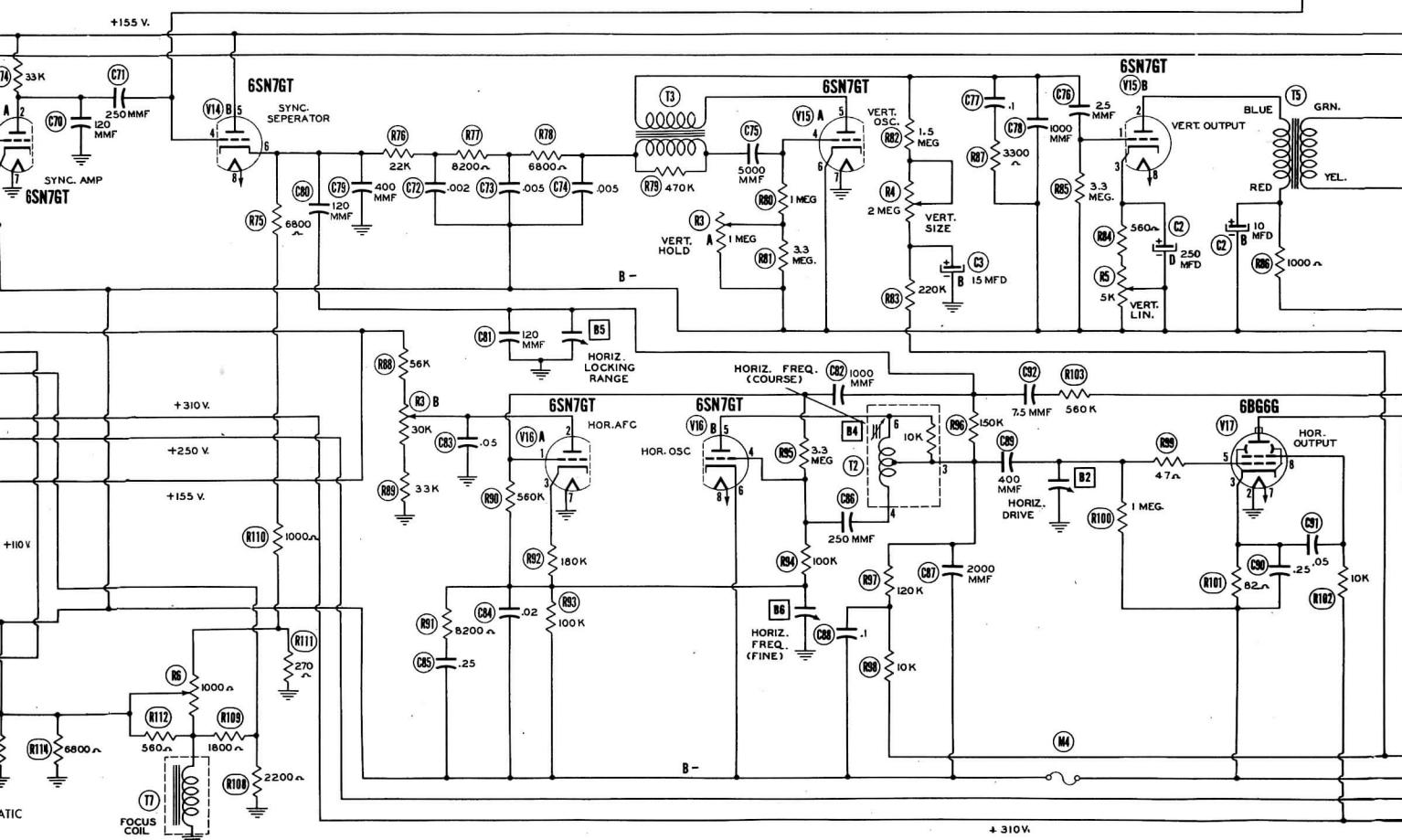
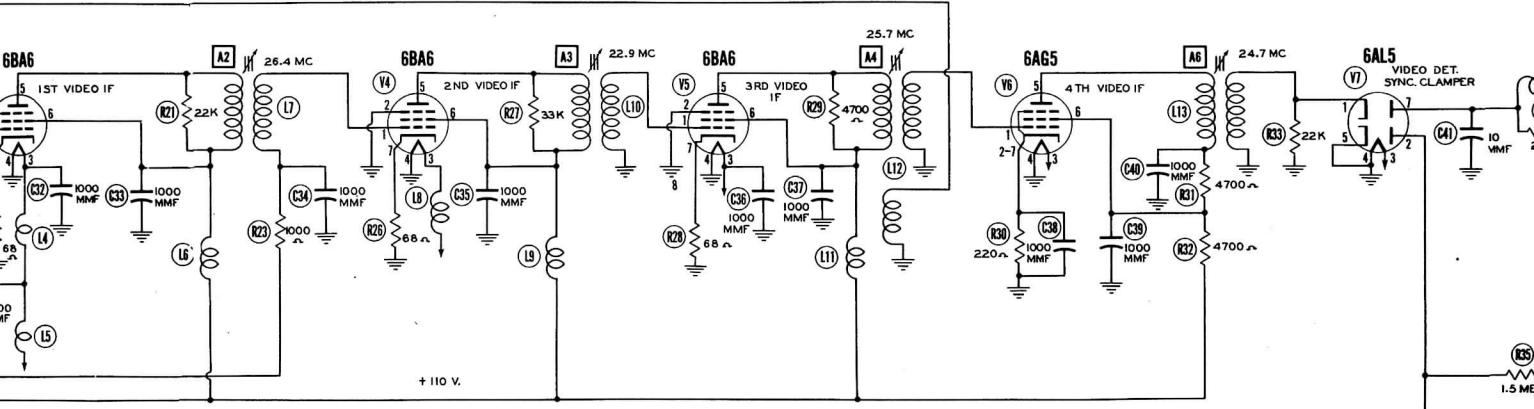
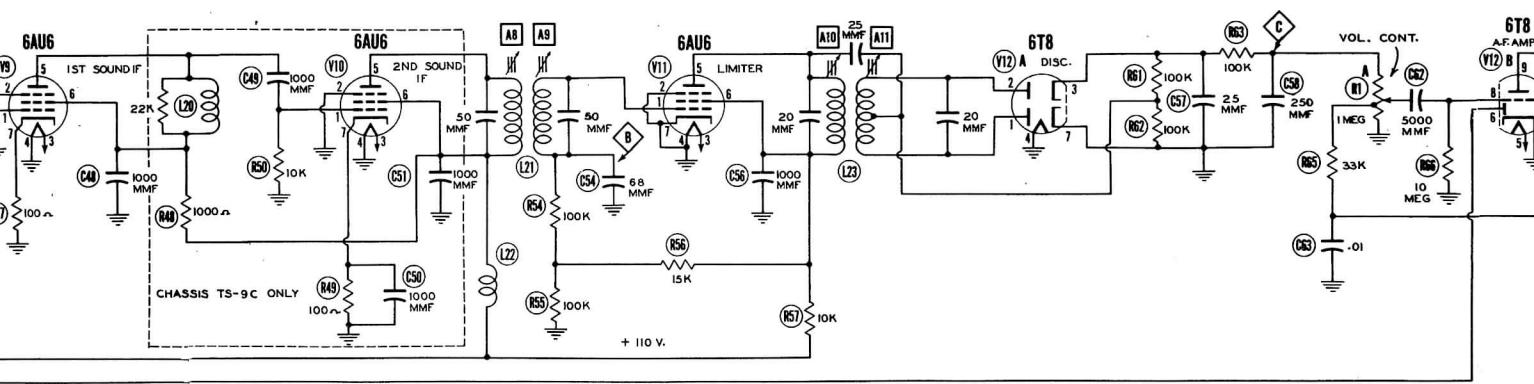
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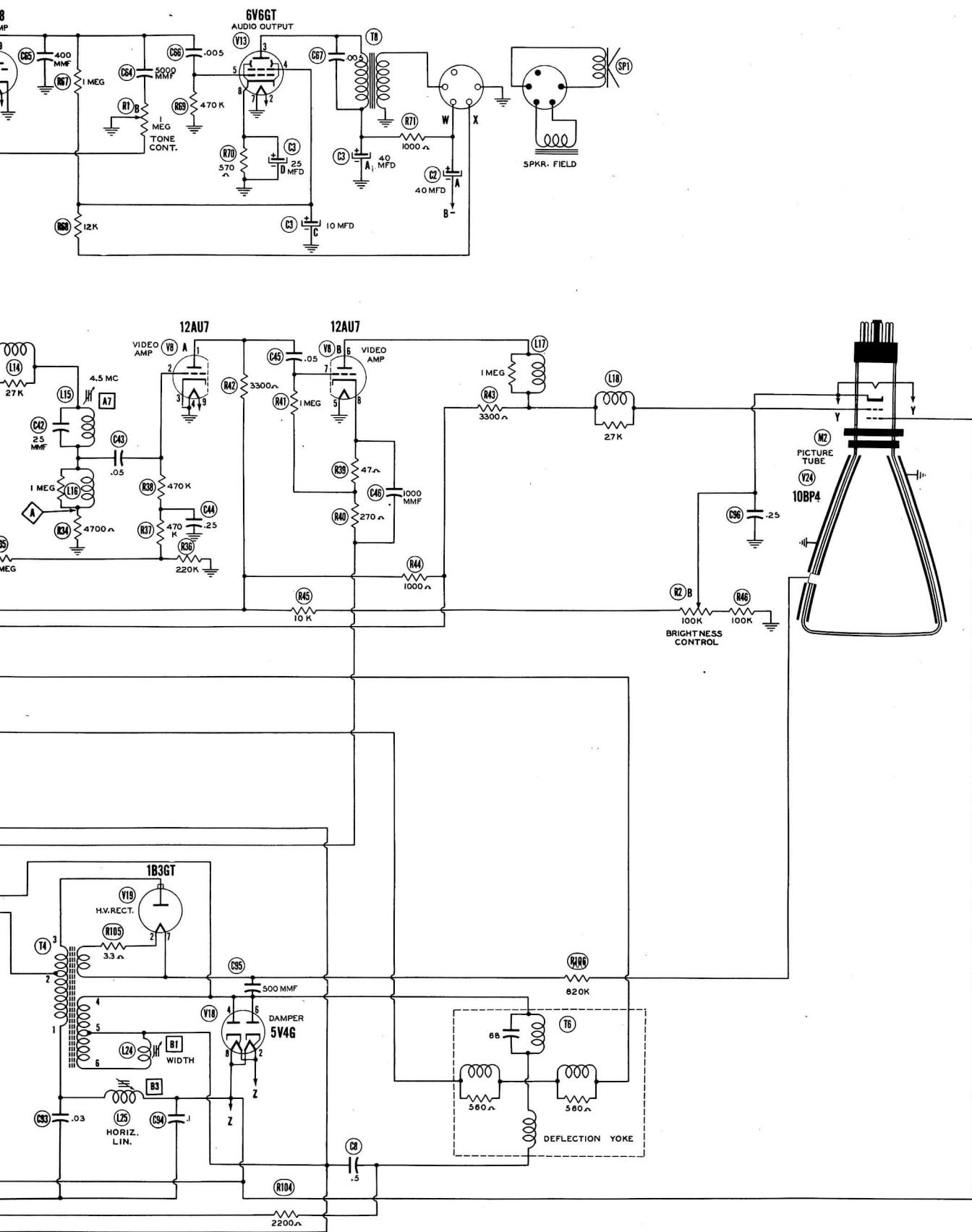
MOTOROLA MODELS VT105, VT105M,
VK106, VK106B, VK106M, VT107, VT107M

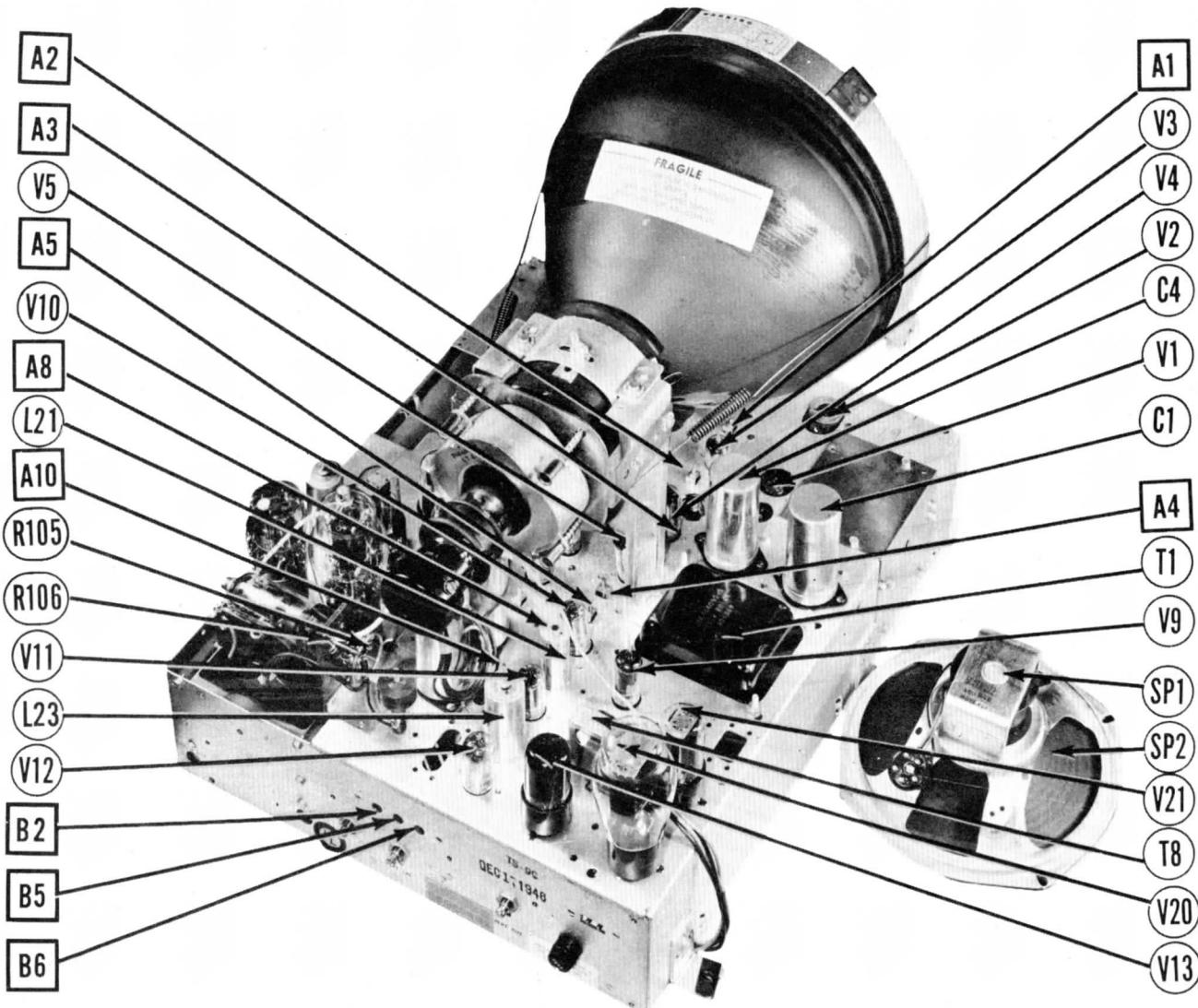


A PHOTOFAC STANDARD NOTATION SCHEMATIC
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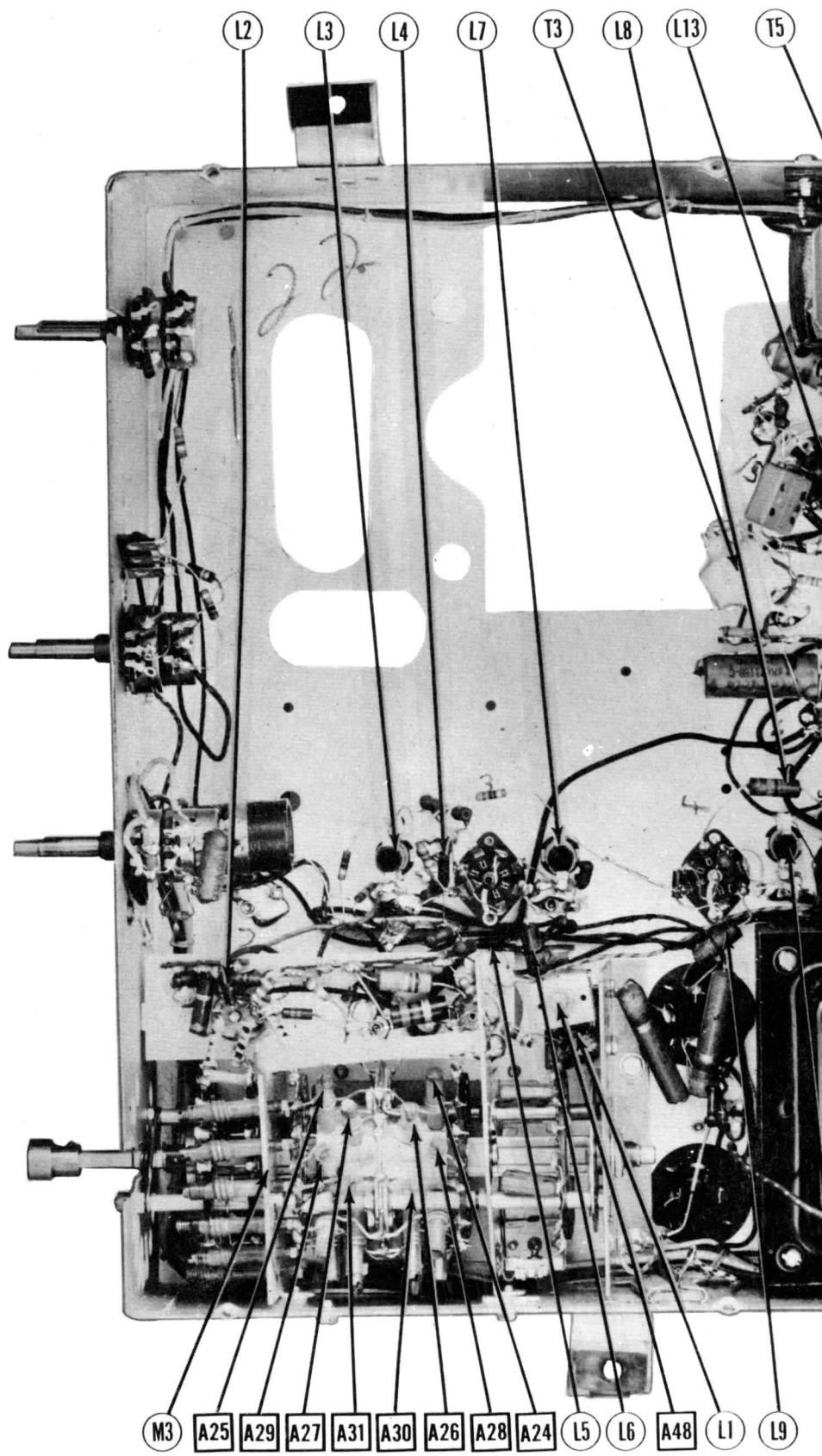
**MOTOROLA MODELS VT105, VT105M,
VK106, VK106B, VK106M, VT107, VT107M**





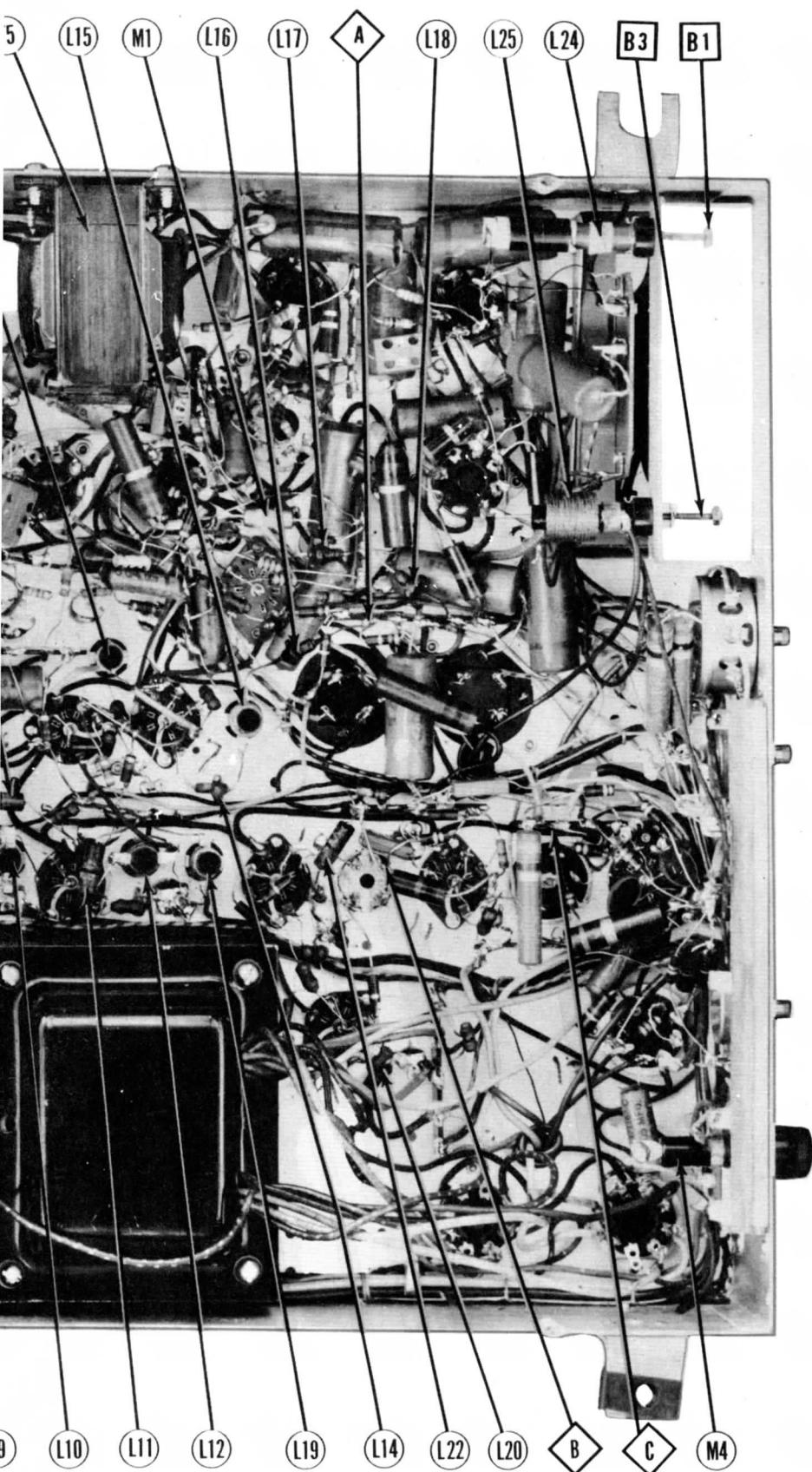
CHASSIS TOP VIEW

MOTOROLA MODELS V105, V106, V106B, V107, V107M



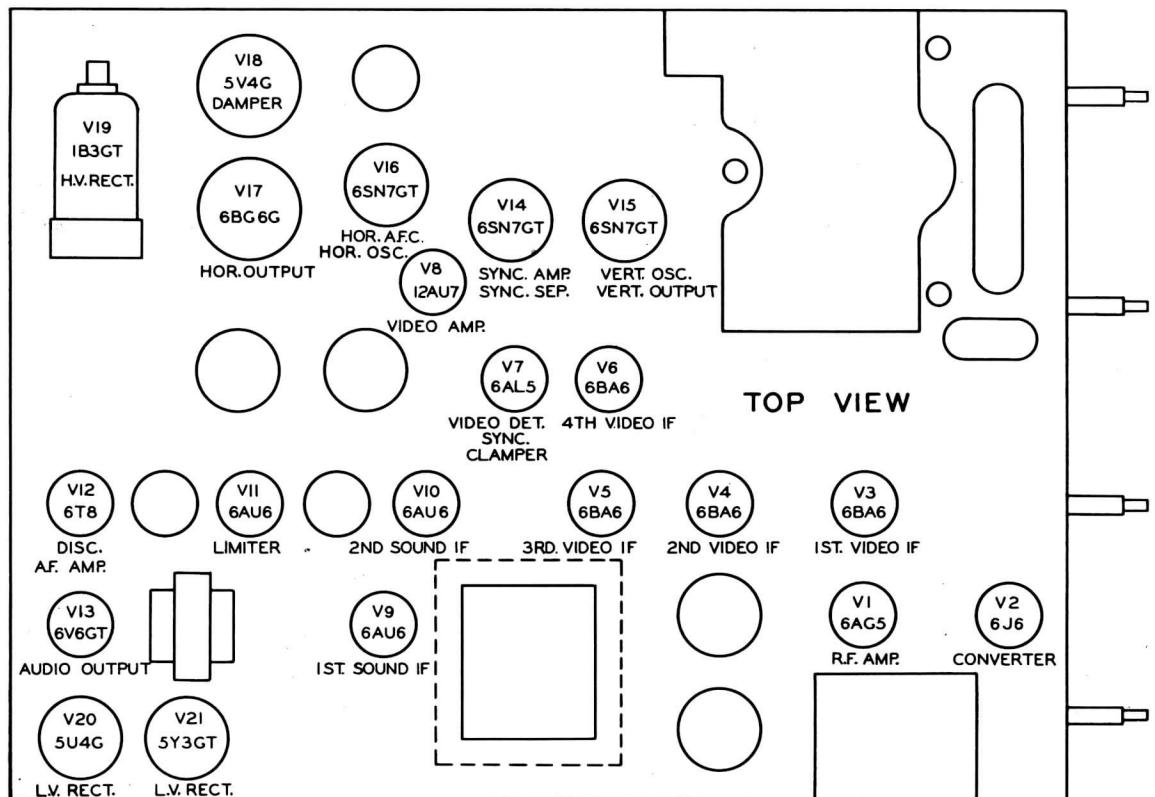
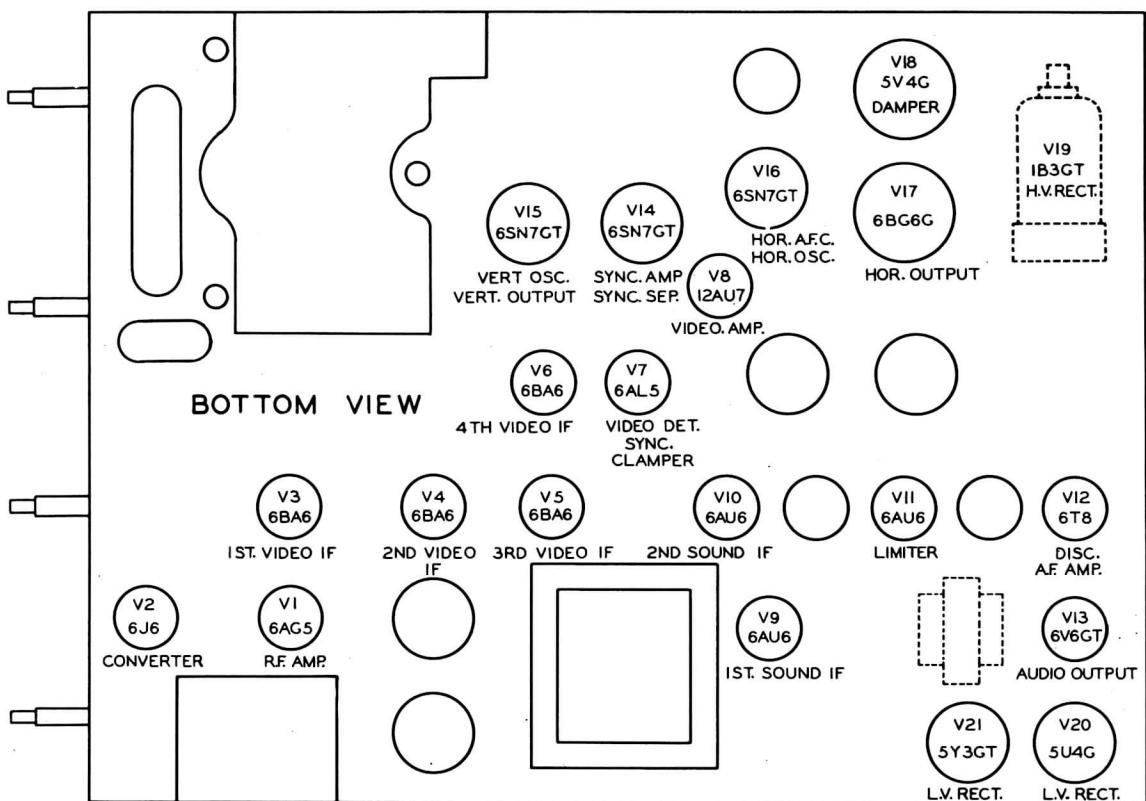
CHASSIS BOTTOM VIEW-TRANS., INDUC

MOTOROLA MODELS VT105, VT105M,
VK106, VK106B, VK106M, VT107, VT107M



DUCTOR AND ALIGNMENT IDENTIFICATION

**MOTOROLA MODELS VT105, VT105M,
VK106, VK106B, VK106M, VT107, VT107M**



TUBE PLACEMENT CHART

ALIGNMENT INSTRUCTIONS

VIDEO IF ALIGNMENT

VIDEO IF ALIGNMENT							
Connect the negative terminal of a -3 volt battery to the mixer grid at the junction of R12 and R13. Connect the positive terminal to chassis ground. Set the contrast control to give -5 volt bias. (Measure from center terminal to chassis.)							
DUMMY ANTENNA	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	CHANNEL	CONNECT VTM	ADJUST	REMARKS	
1. .01MFD	High side to pin 5 (Grid) of 6J6 (V2). Low side to chassis.	23.6MC	Any	DC Probe to Point A Common to Chassis.	A1	Adjust for maximum deflection.	
2. .01MFD	"	26.4MC	"	"	A2	"	
3. .01MFD	"	22.9MC	"	"	A3	"	
4. .01MFD	"	25.7MC	"	"	A4	"	
5. .01MFD	"	21.9MC	"	"	A5	Adjust for minimum deflection. Repeat step 4.	
6. .01MFD	"	24.7MC	"	"	A6	Adjust for maximum deflection.	

OVERALL VIDEO IF RESPONSE CHECK

Connect the synchronized sweep voltage from the signal generator to the horizontal amplifier of the oscilloscope to give horizontal deflection.

DUMMY ANTENNA	SWEEP GENERATOR COUPLING	SWEEP GENERATOR FREQUENCY	MARKER GENERATOR FREQUENCY	CHANNEL	CONNECT SCOPE	ADJUST	REMARKS
7. .01MFD	High side to pin 5 (Grid) of 6J6 (V2). Low side to chassis	24MC (10MC Sweep)	21.9MC 26.4MC	Any	Vert. Amp. to Point A Low side to chassis.		Check to see that response curve is similar to that of Fig 1.

4.5 MC TRAP ADJUSTMENT

There are three possible methods of adjusting this trap.
One method is done by tuning in a normal picture and adjusting trap A7 so the stippled or half-tone effect in the picture is eliminated or minimized. The fine tuning control should be set on the center audio peak while this adjustment is being made.

Another method is by feeding a 4.5MC unmodulated signal to pin 7 of 6AL5 (V7) video detector and connecting an RF type electronic voltmeter across R41 (2nd video amp. grid circuit). Adjust A7 for minimum.

The third method of using an oscilloscope with a detector probe may be accomplished as follows:

DUMMY ANTENNA	SWEEP GENERATOR COUPLING	SWEEP GENERATOR FREQUENCY	MARKER GENERATOR FREQUENCY	CHANNEL	CONNECT SCOPE	ADJUST	REMARKS
8. .01MFD	High side to pin 7 of 6AL5 (V7). Low side to chassis.	Off	4.5MC (400V Mod.)	Any	Vert. Amp. thru detector probe to pin 6 (plate) of 12AU7 (V8). Low side to chassis.	A7	Adjust for minimum amplitude.

SOUND IF ALIGNMENT

Chassis TS-9C contains an additional sound IF stage but the transformer added is fixed tuned and does not necessitate a change in alignment procedure.

DUMMY ANTENNA	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	CHANNEL	CONNECT VTM	ADJUST	REMARKS
9. .01MFD	High side to pin 5 (Grid) of 6J6 (V2). Low side to chassis.	21.9MC	Any	DC Probe to Point B Common to Chassis.	A8,A9	Adjust for maximum deflection.
10. Detune the discriminator transformer secondary by turning All out approximately 2 full turns.						
11. .01MFD	High side to pin 5 (Grid) of 6J6 (V2). Low side to chassis.	21.9MC	Any	DC Probe to Point C Common to Chassis.	A10	Adjust for maximum deflection.
12. .01MFD	"	"	"	"	All	Adjust for zero reading. A positive and negative peak is obtained on either side of the correct setting.

RF ALIGNMENT

Connect the signal generator to the antenna terminals of the receiver through two resistors. The low side of the generator should be connected through 150Ω. The high side should be connected through a resistor of 150Ω minus the signal generator impedance. For instance, if the generator impedance is 50Ω, the resistor should be 100Ω.

Leave the fine tuning control set at the midpoint of its electrical range during the oscillator and RF alignment.

Set the contrast control for -3 volts bias. (Measured from arm of control to chassis).

The antenna adjustments on the high band is made at 195MC for channels 7,8,9,10,11,12 and 13. This adjustment has enough bandwidth to work effectively over all these channels. The low band channels have individual antenna adjustments.

DUMMY ANTENNA	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	CHANNEL	CONNECT VTM	ADJUST	REMARKS
13. See Instructions above	Across antenna terminals.	215.75MC	13	DC Probe to Point C Common to Chassis.	A12	Adjust for zero reading. A positive and negative reading will be obtained on either side of the correct setting.
14. "	"	209.75MC	12	"	A13	"
		203.75MC	11		A14	
		197.75MC	10		A15	
		191.75MC	9		A16	
		185.75MC	8		A17	
		179.75MC	7		A18	
		87.75MC	6		A19	
		81.75MC	5		A20	
		71.75MC	4		A21	
		65.75MC	3		A22	
		59.75MC	2		A23	

ALIGNMENT INSTRUCTIONS (CONT.)

DUMMY ANTENNA	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	CHANNEL	CONNECT VTVM	ADJUST	REMARKS
15.	"	214MC	13	"	A24, A25	Unscrew one adjustment until the circuit is appreciably detuned. Adjust the second slug for maximum deflection. Then adjust the first slug for maximum. Do not retune the other slug.
16.	"	208MC	12	"	A26,A27	"
		202MC	11		A28,A29	
		196MC	10		A30,A31	
		190MC	9		A32,A33	
		184MC	8		A34,A35	
		178MC	7		A36,A37	
		86MC	6		A38,A39	
		80MC	5		A40,A41	
		70MC	4		A42,A43	
		64MC	3		A44,A45	
		58MC	2		A46,A47	
17.	"	195MC	10	"	A48	Adjust for maximum deflection.
		86MC	6		A49	Adjust for maximum deflection. A49 is omitted on TS-9C.
		80MC	5		A50	Adjust for maximum deflection.
		70MC	4		A51	"
		64MC	3		A52	"
		58MC	2		A53	

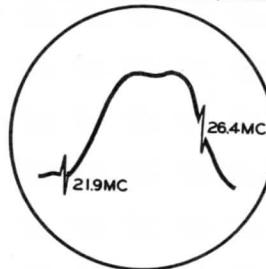
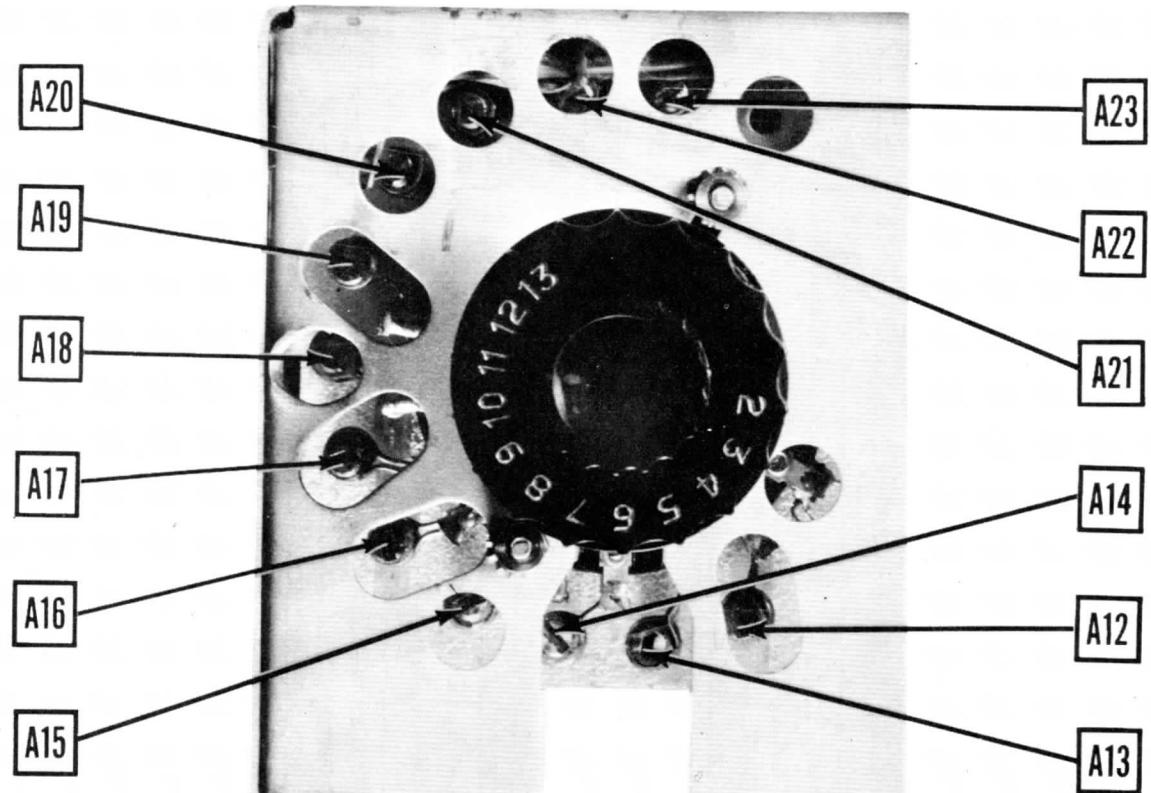


FIG.1



OSCILLATOR ALIGNMENT POINTS

**MOTOROLA MODELS VT105, VT105M,
VK106, VK106B, VK106M, VT107, VT107M**

VOLTAGE AND RESISTANCE MEASUREMENTS

VOLTAGE READINGS

Item	Tube	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8	Pin 9
V 1	6AG5	-3.4VDC	OV	6.3VAC	OV	245VDC	245VDC	OV		
V 2	6J6	150VDC	87VDC	OV	6.3VAC	-3.4VDC	\$-1VDC	OV		
V 3	6BA6	-20VDC	OV	6.3VAC	OV	118VDC	118VDC	.1VDC		
V 4	6BA6	-20VDC	OV	6.3VAC	OV	118VDC	118VDC	.1VDC		
V 5	6BA6	OV	OV	6.3VAC	OV	118VDC	118VDC	.1VDC		
V 6	6AG5	OV	1VDC	6.3VAC	OV	60VDC	80VDC	1VDC		
V 7	6AL5	OV	-1.2VDC	6.3VAC	OV	60VDC	-1.1VDC			
V 8	12AU7	125VDC	-.5VDC	OV	OV	1155VDC	1.5VDC	15VDC	6.3VAC	
V 9	6AU6	OV	OV	6.3VAC	OV	110VDC	110VDC	5VDC		
V 10	6AU6	OV	OV	6.3VAC	OV	120VDC	120VDC	1VDC		
V 11	6AU6	-.5VDC	OV	6.3VAC	OV	50VDC	50VDC	OV		
V 12	6T8	-.7VDC	-.8VDC	-9.3VDC	OV	6.3VAC	-13VDC	OV	-.1VDC	50VDC
V 13	6V6GT	OV	6.3VAC	270VDC	270VDC	OV	300VDC	OV		
V 14	6SN7GT	*OV	*60VDC	*OV	*50VDC	225VDC	*68VDC	OV	6.3VAC	
V 15	6SN7GT	*OV	*360VDC	*19.5VDC	*-28VDC	*150VDC	*OV	OV	6.3VAC	
V 16	6SN7GT	*-.7VDC	*133VDC	*17VDC	-41VDC	*140VDC	*OV	OV	6.3VAC	
V 17	6BG6G	*3VDC	OV	*11VDC	*320VDC	*.5VDC	*370VDC	6.3VAC	*270VDC	*TOP CAP
V 18	5V4G	OV	390VDC	*3VDC	310VDC	*3VDC	310VDC		390VDC	
V 19	1B3GT	* DO NOT MEASURE								
V20A	5U4G	OV	325VDC	325VDC	380VAC	280VDC	380VAC	57VAC	325VDC	
V21A	5Y3GT	OV	175VDC	OV	240VAC	OV	240VAC	OV	187VDC	
V24	10BP4	160VDC	93VDC	PIN 10	PIN 11	PIN 12	160VDC			

* Measured from pin 6 of V15.

§ Taken with vacuum tube voltmeter.

* Do not measure.

RESISTANCE READINGS

Item	Tube	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8	Pin 9
V 1	6AG5	630KΩ	0Ω	.1Ω	0Ω	120KΩ	180KΩ	0Ω		
V 2	6J6	*10KΩ	*18KΩ	0Ω	.1Ω	1 Meg.	13KΩ	0Ω		
V 3	6BA6	10KΩ	0Ω	.1Ω	0Ω	*1.2KΩ	*1.2KΩ	68Ω		
V 4	6BA6	3KΩ	0Ω	.1Ω	0Ω	*1.2KΩ	*1.2KΩ	68Ω		
V 5	6BA6	.1Ω	0Ω	.1Ω	0Ω	*1.2KΩ	*1.2KΩ	68Ω		
V 6	6AG5	.2Ω	200Ω	.1Ω	0Ω	*11KΩ	*6KΩ	200Ω		
V 7	6AL5	0Ω	2 Meg.	.1Ω	0Ω	0Ω	*11KΩ	5KΩ		
V 8	12AU7	*5.2KΩ	1.2 Meg.	0Ω	0Ω	0Ω	16.2KΩ	1.2 Meg.	315Ω	.1Ω
V 9	6AU6	.1Ω	0Ω	.1Ω	0Ω	*2KΩ	*2KΩ	100Ω		
V 10	6AU6	10KΩ	0Ω	.1Ω	0Ω	*1000Ω	*1000Ω	100Ω		
V 11	6AU6	100KΩ	0Ω	.1Ω	0Ω	*10KΩ	*10KΩ	0Ω		
V 12	6T8	100KΩ	100KΩ	160KΩ	0Ω	.1Ω	47KΩ	0Ω	10 Meg.	* 1 Meg.
V 13	6V6GT	0Ω	.1Ω	*1.2KΩ	*12KΩ	470KΩ	1850Ω	0Ω	500Ω	
V 14	6SN7GT	*100KΩ	135KΩ	*0Ω	2 Meg.	*2KΩ	*7.5KΩ	0Ω	.1Ω	
V 15	6SN7GT	*3.3Meg.	*11.5KΩ	*600Ω	* 1 Meg.	*1.6Meg.	*0Ω	0Ω	.1Ω	
V 16	6SN7GT	*750KΩ	135KΩ	*280KΩ	*200KΩ	*140KΩ	*0Ω	0Ω	.1Ω	
V 17	6BG6G	*15Ω	0Ω	*100Ω	*800Ω	*1 Meg.	*110Ω	.1Ω	*110KΩ	*200Ω
V 18	5V4G	Inf.	*0Ω	*15Ω	*95Ω	*15Ω	*95Ω	*1 Meg.	*0Ω	
V 19	1B3GT	Inf.	Inf.	Inf.	Inf.	Inf.	Inf.	Inf.	Inf.	TOP CAP #360Ω
V20A	5U4G	Inf.	10KΩ	10KΩ	480Ω	10KΩ	470Ω	440Ω	10KΩ	
V21A	5Y3GT	Inf.	24KΩ	Inf.	480Ω	Inf.	460Ω	Inf.	24KΩ	
V24	10BP4	*15KΩ	16.2KΩ	*0Ω	*15KΩ	*15KΩ				

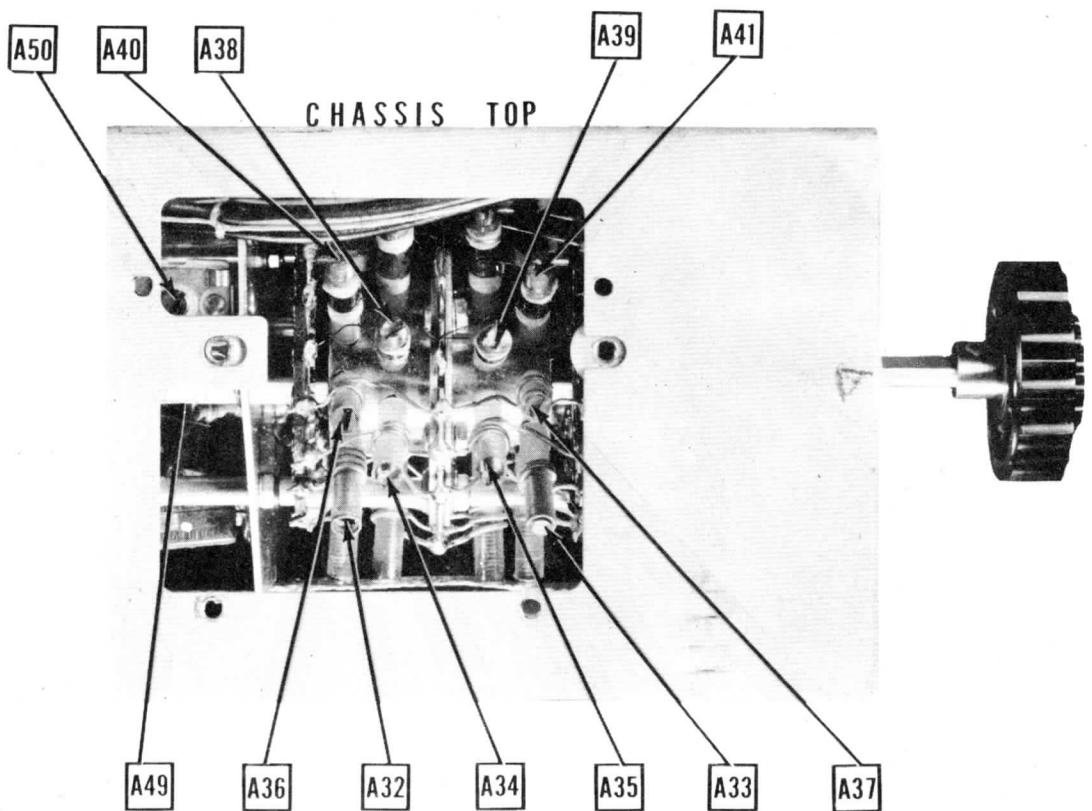
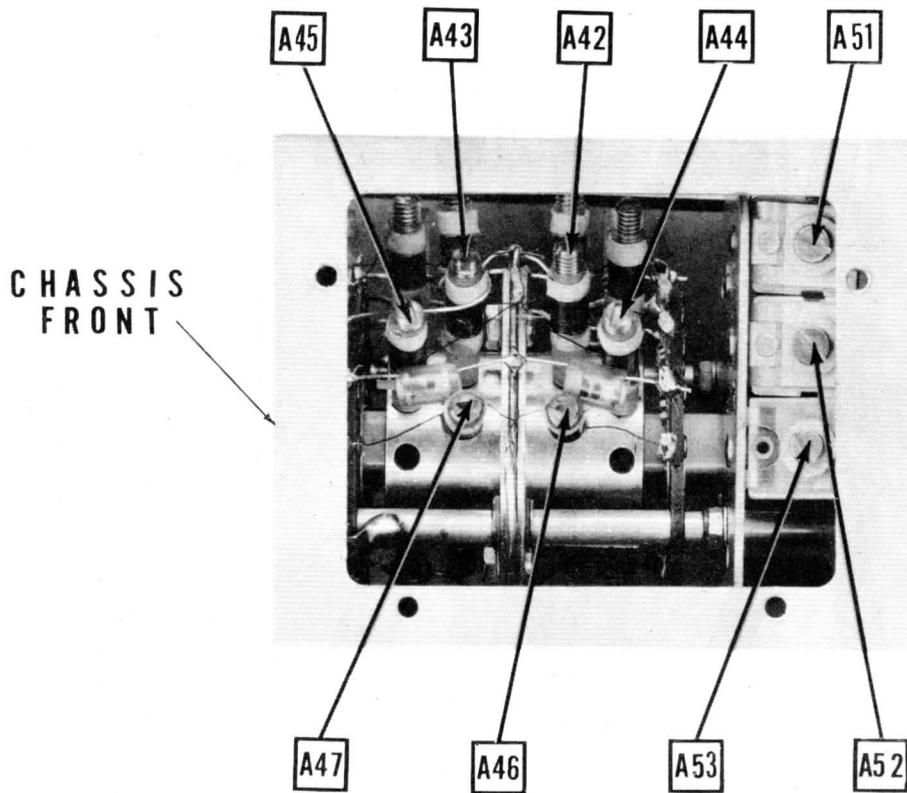
† Measured from pin 2 of V20.

‡ Measured from pin 2 of V21.

§ Measured from pin 8 of V18.

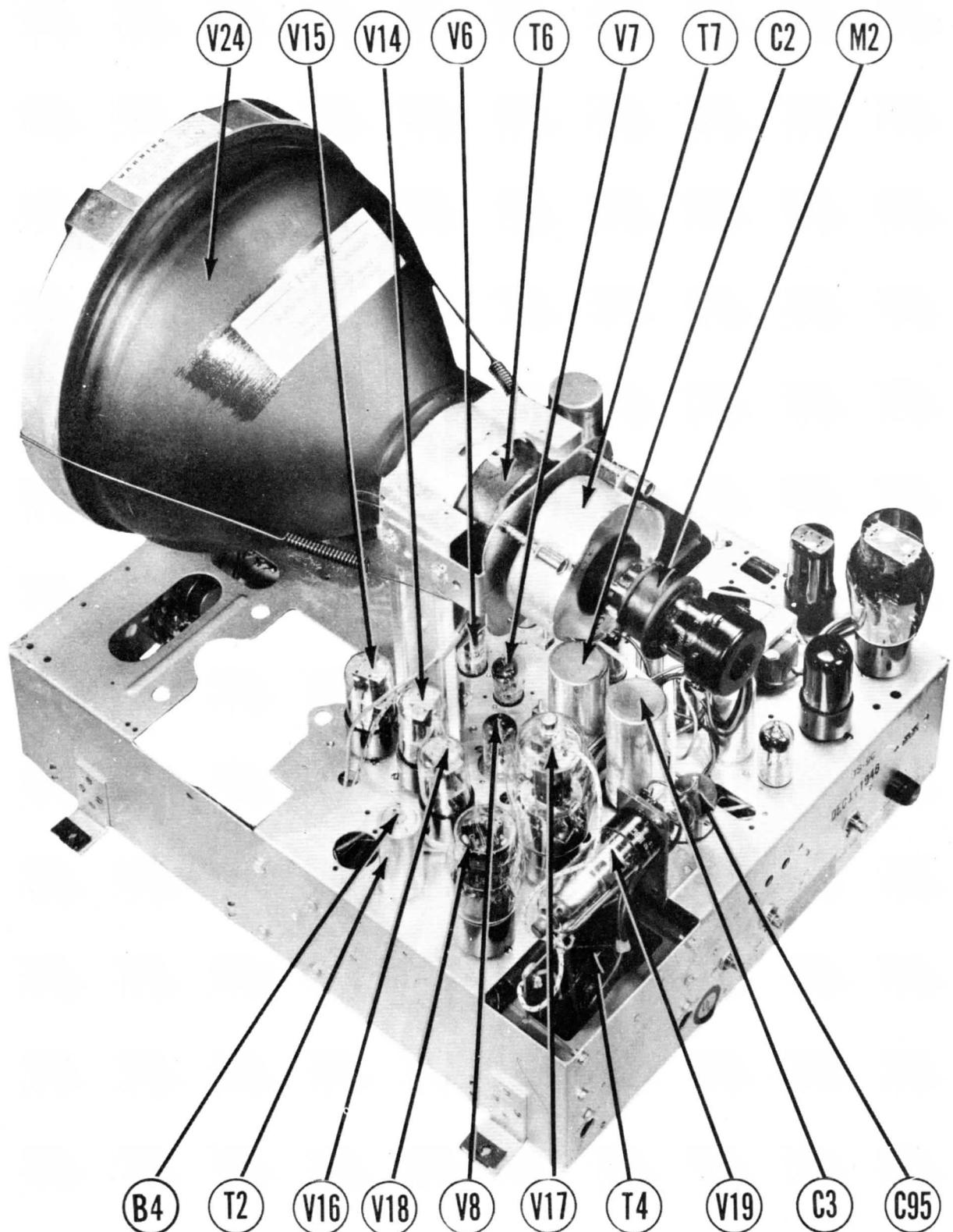
* Measured from pin 6 of V15.

- 1. DC Voltage measurements are at 20,000 ohms per volt; AC Voltage measured at 1,000 ohms.
- 2. Pin numbers are counted in a clockwise direction on bottom of socket.
- 3. Measured values are from socket pin to common negative unless otherwise stated.
- 4. Line voltage maintained at 117 volts for voltage readings.
- 5. Front panels controls set at minimum.
- 6. Where readings may vary according to the setting of the service controls, both minimum and maximum readings are given.

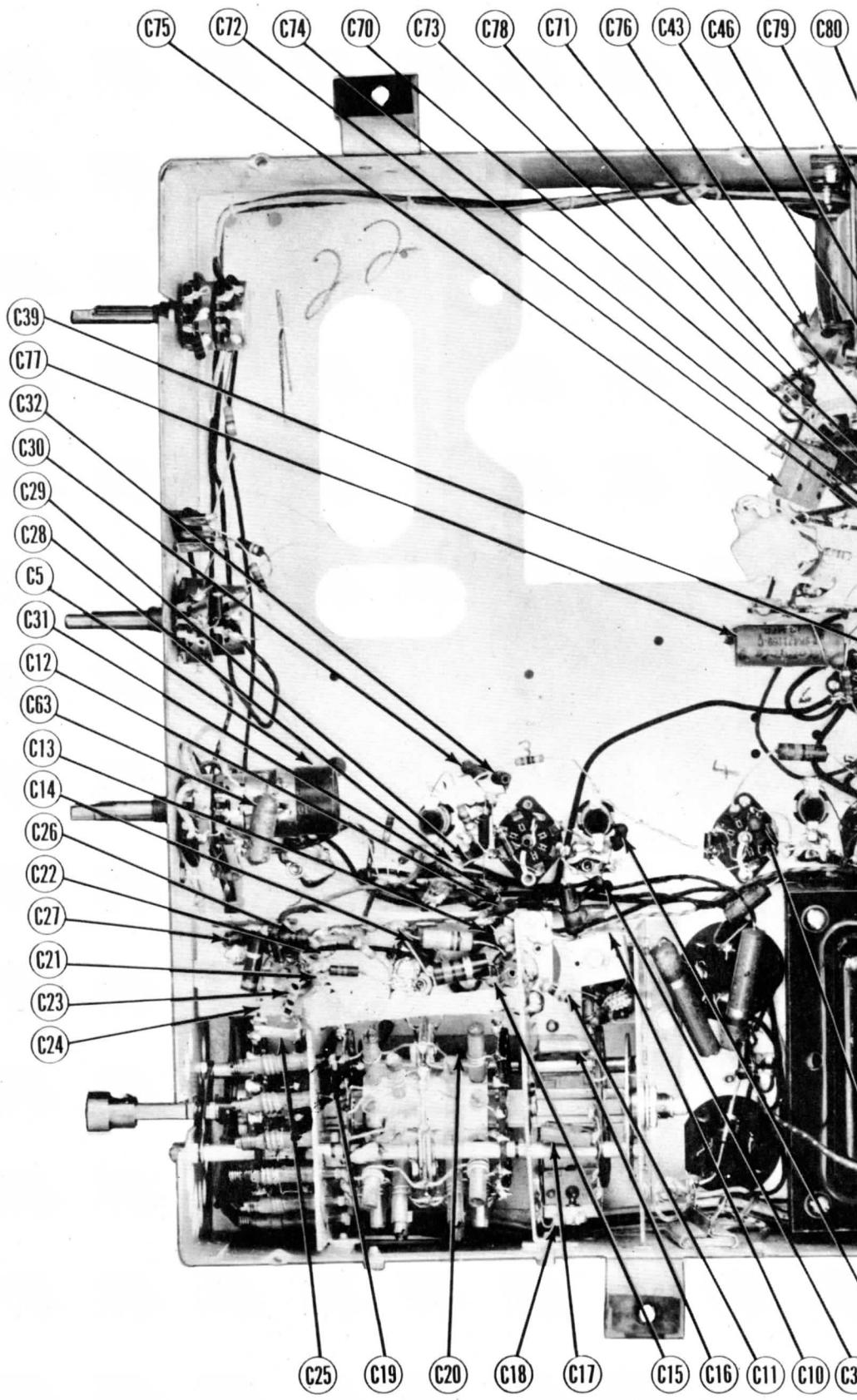


RF ALIGNMENT POINTS

**MOTOROLA MODELS VT105, VT105M,
VK106, VK106B, VK106M, VT107, VT107M**

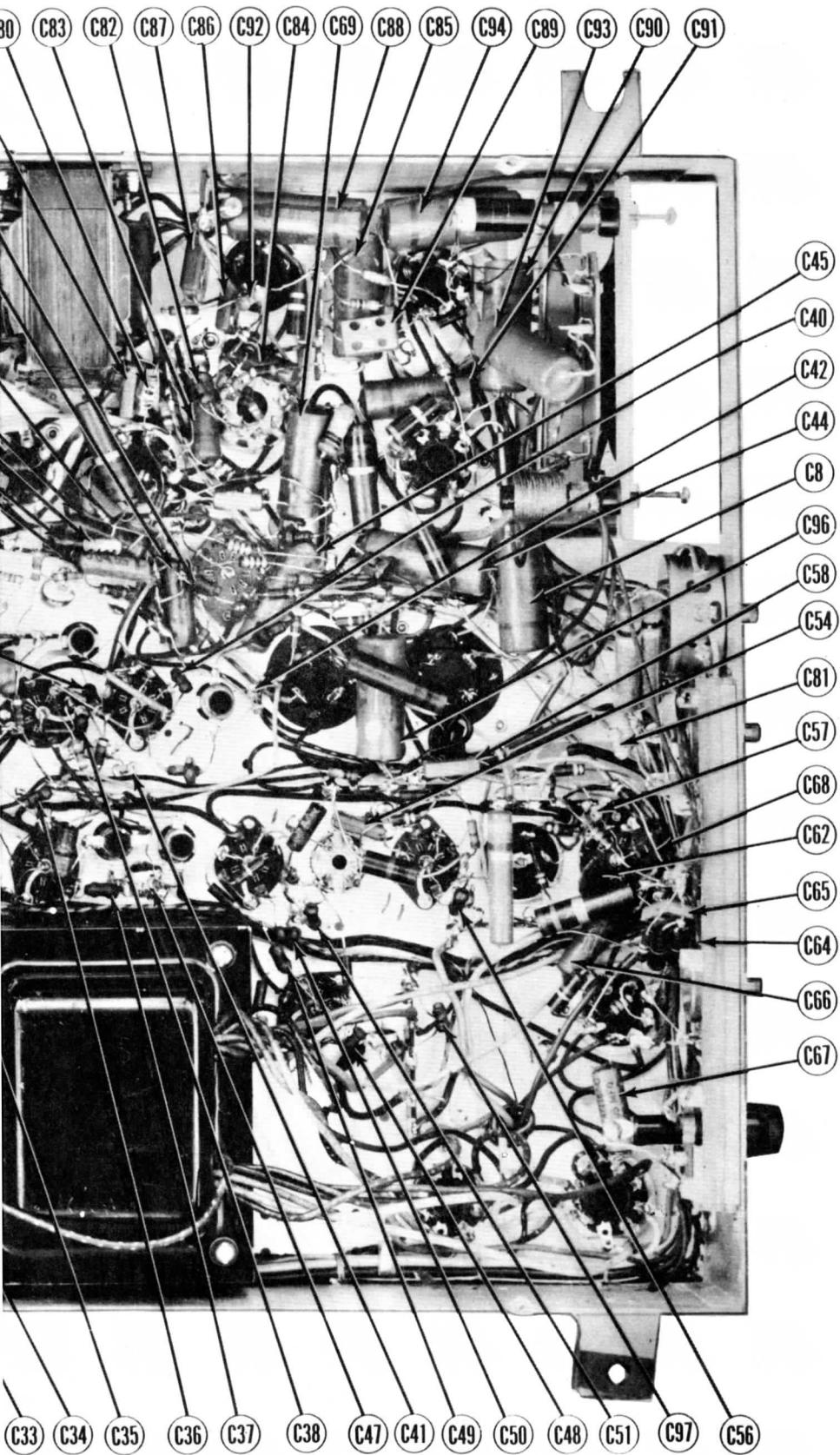


CHASSIS-TOP VIEW

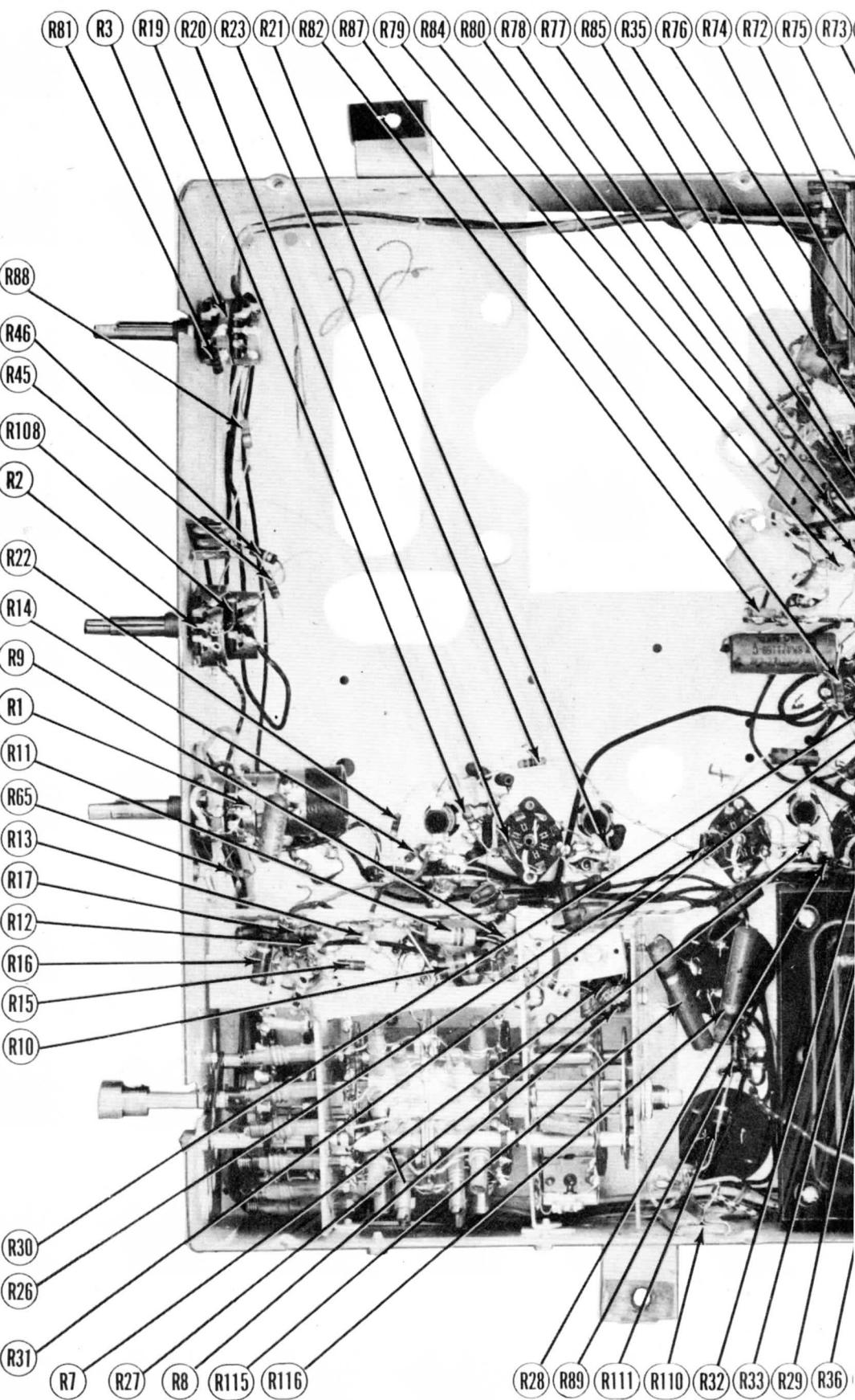


CHASSIS BOTTOM VIEW-CA

**MOTOROLA MODELS VT105, VT105M,
VK106, VK106B, VK106M, VT107, VT107M**

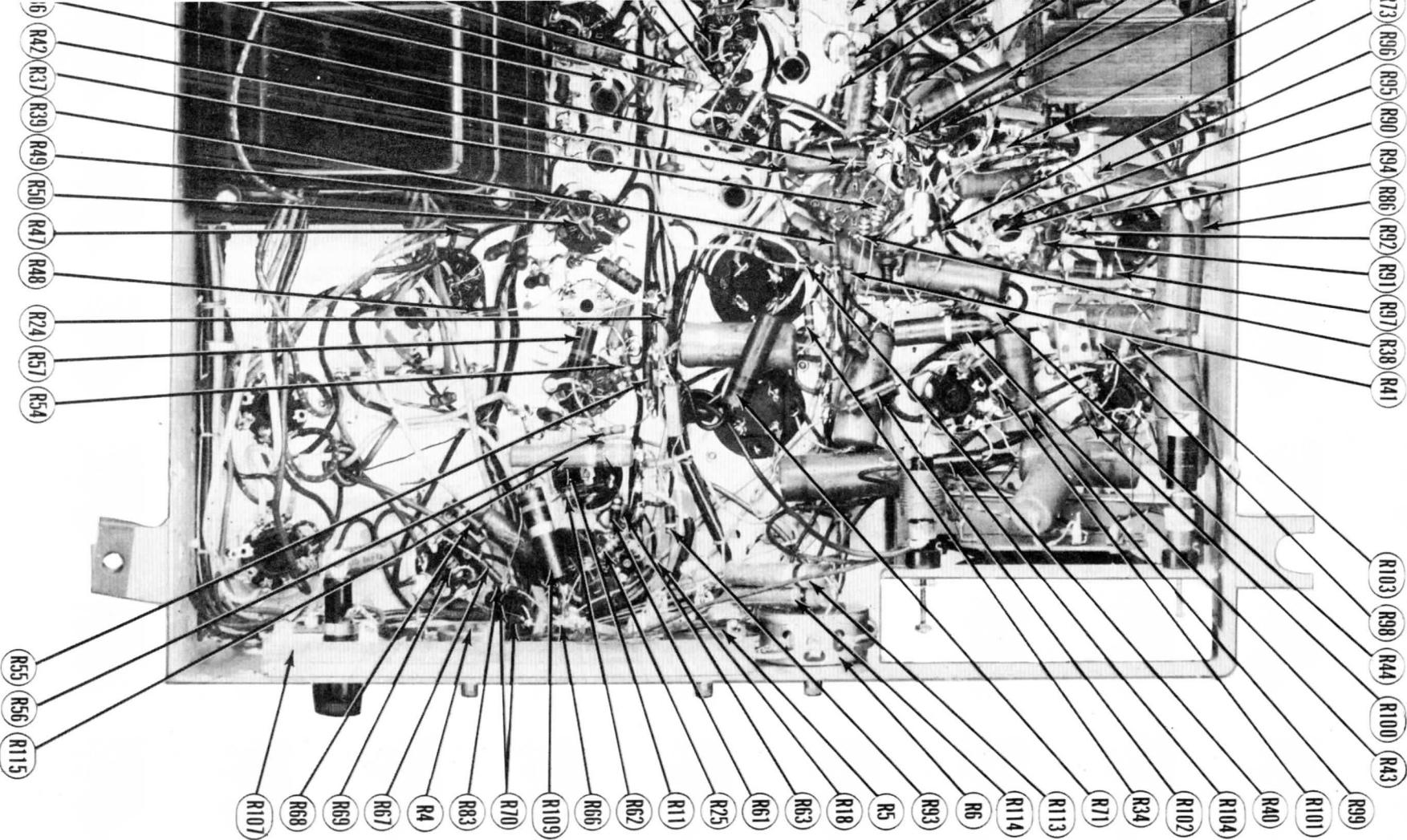


CAPACITOR IDENTIFICATION

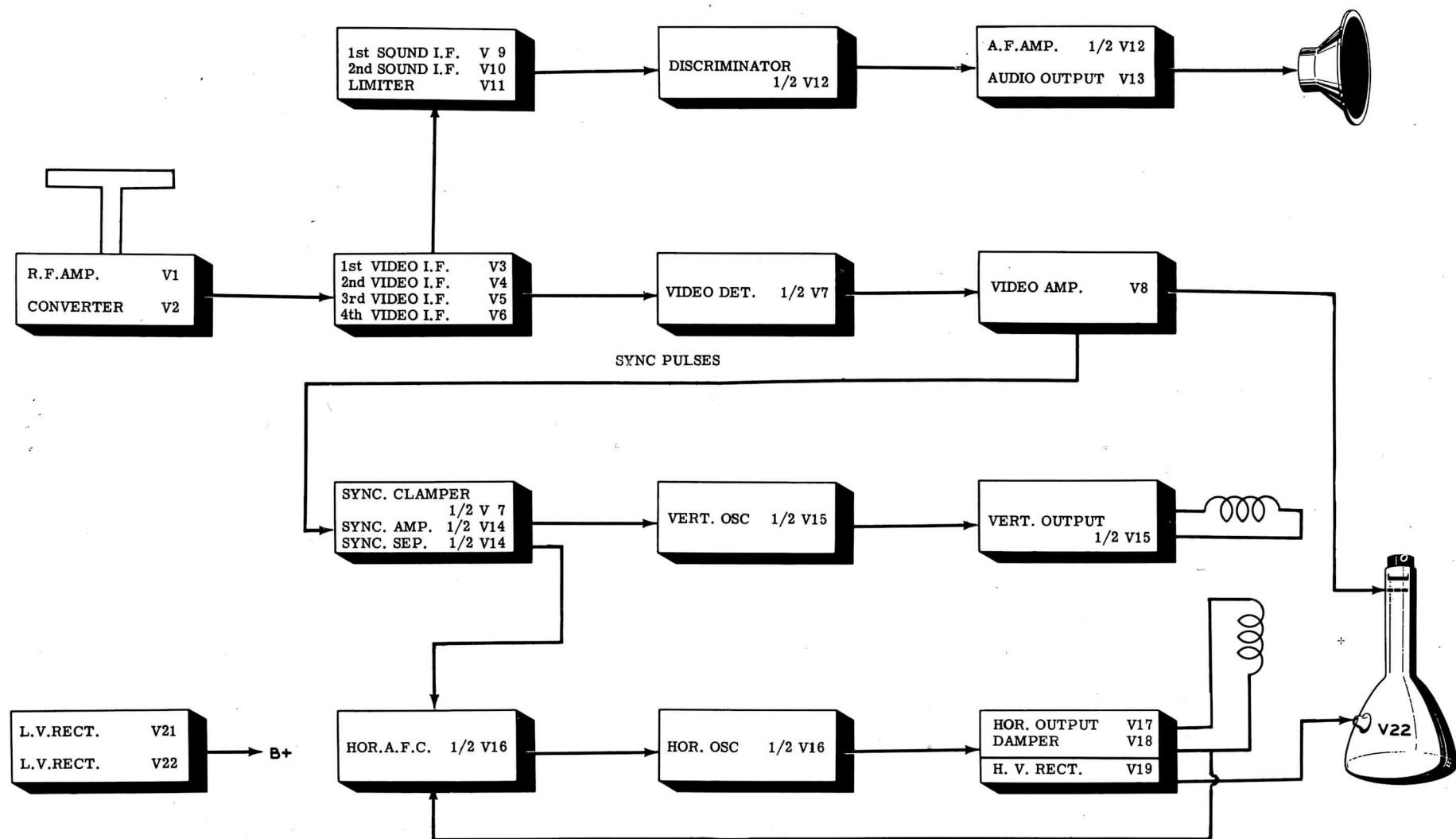


CHASSIS BOTTOM VIEW-R

RESISTOR IDENTIFICATION



MOTOROLA MODELS VTR05, VTR05M,
VTR06, VTR06B, VTR06M, VTR07, VTR07M



BLOCK DIAGRAM

BRIEF DESCRIPTION OF CHASSIS VARIATIONS

- CHASSIS TS-9. Twenty-two tubes plus 10" picture tube employing four type 25Z6GT tubes operating in a bridge circuit to supply "B" power.
- CHASSIS TS-9A. Same as TS-9 except a conventional power supply circuit is used having 5Y3GT and 5U4G tubes. The power transformer also differs from the one used in chassis TS-9. Twenty tubes plus 10" picture tube.
- CHASSIS TS-9B. Same as TS-9 except that the 1st Sound IF Amplifier is also used as a reflex amplifier for audio to obtain greater audio amplification. Twenty two tubes plus 10" picture tube.
- CHASSIS TS-9C. Similar to TS-9A except that an additional Sound IF stage was added to reduce variations in sound level with setting of contrast control. Twenty-one tubes plus 10" picture tube.

HORIZONTAL OSCILLATOR ADJUSTMENT

Adjust the horizontal oscillator coil slug (B4) so the picture will "lock-in" over the whole range of the horizontal hold control. If this cannot be done, back off the horizontal locking trimmer (B5) 2 1/2 to 3 turns from tight or until it is possible to sync the picture over the whole range of the horizontal hold control. (If this is not possible, the receiver is defective and will require tube and circuit component checks.)

When this has been done, turn the horizontal hold control to the extreme counter-clockwise position.

Back off trimmer B6 (Horizontal frequency trimmer) until the picture tends to slip to the right; then turn the horizontal hold control clockwise until picture "syncs" in.

Under these conditions, it should be possible to switch channels without losing synchronization.

HORIZONTAL LINEARITY AND SIZE ADJUSTMENT

Turn the horizontal size control (B1) fully clockwise. Vary the horizontal drive trimmer (B2) for best compromise between brightness and horizontal linearity. Adjust the horizontal size control (B1) until the picture fills the mask horizontally (8 1/2" minimum). Adjust the horizontal linearity control (B3) for the best horizontal linearity on the right half of the picture.

Due to interaction between B1 and B2, adjustment of one will require readjustment of the other.

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DISASSEMBLY INSTRUCTIONS

MODEL VK106

1. Remove seven push-on type and one set screw type control knobs.
2. Remove screws holding back cover. Remove back cover.
3. Remove antenna plug at chassis.
4. Remove speaker plug from speaker.
5. Remove four 7/16" hex head bolts holding chassis. Remove chassis.
6. Remove four 5/16" hex nuts holding speaker. Remove speaker.

PARTS LIST AND DESCRIPTIONS (Continued)

TRANSFORMER (POWER)

ITEM No.	RATING				REPLACEMENT DATA			
	PRI.	SEC. 1	SEC. 2	SEC. 3	MOTOROLA PART No.	STANCOR PART No.	CHICAGO PART No.	MERIT PART No.
T1A	117VAC ② 2.1A	730VCT ② 2.23 ADC 460VCT ② .058 ADC	5VAC ② 3A	5VAC ② 2A	††	P-8157	TP-450	
T1B	117VAC	SEC. 4 5VAC ② 2A	SEC. 5 6.3VAC ② 7.0A	SEC. 6 6.3VAC ② .6A	25C90052#			

†† Used in chassis TS-9A and TS-9C.

Used in chassis TS-9 and TS-9B.

TRANSFORMER (SWEEP CIRCUITS)

ITEM No.	RATING		REPLACEMENT DATA				NOTES	
	DC RESISTANCE		MOTOROLA PART No.	STANCOR PART No.	CHICAGO PART No.	MERIT PART No.		
	PRI.	SEC.						
T2	136Ω Tap. ② 97Ω	160Ω SEC. 1	24B484078				Hor. Osc. Trans.	
T3	56Ω	10.6Ω Tap ② .6Ω	24B485416 25C90052	A-8117	TFB-1		Vert. Blocking Osc. Hor. Output Trans.	
T4	430Ω Tap. ② 185Ω	0Ω SEC. 2						
T5	540Ω	11Ω	24B4854416 24K485474	A-8115 DY-1	TSO-4	A-3035	Vert. Output Trans. Hor. Deflection Yoke	
T6A	14Ω						Vert. Deflection Yoke	
T6B	64Ω						Focus coil.	
T7	540Ω		24B84159					

TRANSFORMER (AUDIO OUTPUT)

ITEM No.	RATING				REPLACEMENT DATA				INSTALLATION NOTES	
	IMPEDANCE		DC RES.		MOTOROLA PART No.	STANCOR PART No.	CHICAGO PART No.	MERIT PART No.		
	PRI.	SEC.	PRI.	SEC.						
T8	5300Ω	3.5Ω	310Ω	.4Ω	25B489030	A-3849#	RO-9#	A-2930#	# Drill one new mounting hole.	

COILS (RF-IF)

ITEM No.	USE	DC RES.		REPLACEMENT DATA		NOTES
		PRI.	SEC.	PART No.	MEISSNER PART No.	
L1	Ant. Coil	0Ω		1X470353		Includes High Freq. and Low Freq. Shunt, Trimmers and antenna receptacle.
L2	F11. Choke	.1Ω		24A90064		
L3A	1st Video IF	.1Ω				Used in chassis TS-9C only.
B	1st Video IF Trans.	.1Ω				
L4	F11. Choke	.1Ω		24B489071	24A90064	Used in chassis TS-9, TS-9A and TS-9B
L5	F11. Choke	.1Ω		24A90064	24A90064	
L6	RF Choke	.1Ω		24A90064		Used in chassis TS-9C only.
L7	2nd Video IF Trans.	.2Ω		24B489071		
L8	F11. Choke	.1Ω		24A90064	24A90064	
L9	RF Choke	.1Ω		24A90064		
L10	3rd Video IF Trans.	.2Ω		24B489071		
L11	RF Choke	.1Ω		24A90064		
L12	4th Video IF Trans. & Sound Take-Off	.2Ω	.2Ω	24B489071		Sound Take-off is zero resistance.
L13	5th Video IF Trans.	.2Ω	.2Ω	24B489075	24K484137	
L14	Peaking	4.5Ω		24B484077	24K484137	Wound on 27KΩ resistor.
L15	Sound Trap	2Ω		24K484136	24K484136	Wound on 1 Meg. resistor.
L16	Peaking	2.2Ω		24K484136	24K484136	Wound on 1 Meg. resistor.
L17	Peaking	2.2Ω		24K484136	24K484136	Wound on 27KΩ resistor.
L18	Peaking	4.5Ω		24K484137		
L19	1st Sound IF Coil	.1Ω		24K484082		
L20	2nd Sound IF Coil	.5Ω				Wound on 22KΩ resistor. Used in chassis TS-9C only.
L21	3rd Sound IF Trans.	.1Ω	.1Ω	24B484086	24A90064	
L22	RF Choke	.1Ω		24B471340		
L23	Disc. Trans.	.1Ω				
L24	Horiz. size Control	.1Ω		24B90119		
L25	Horiz. Linearity Control	3Ω		24B470796		

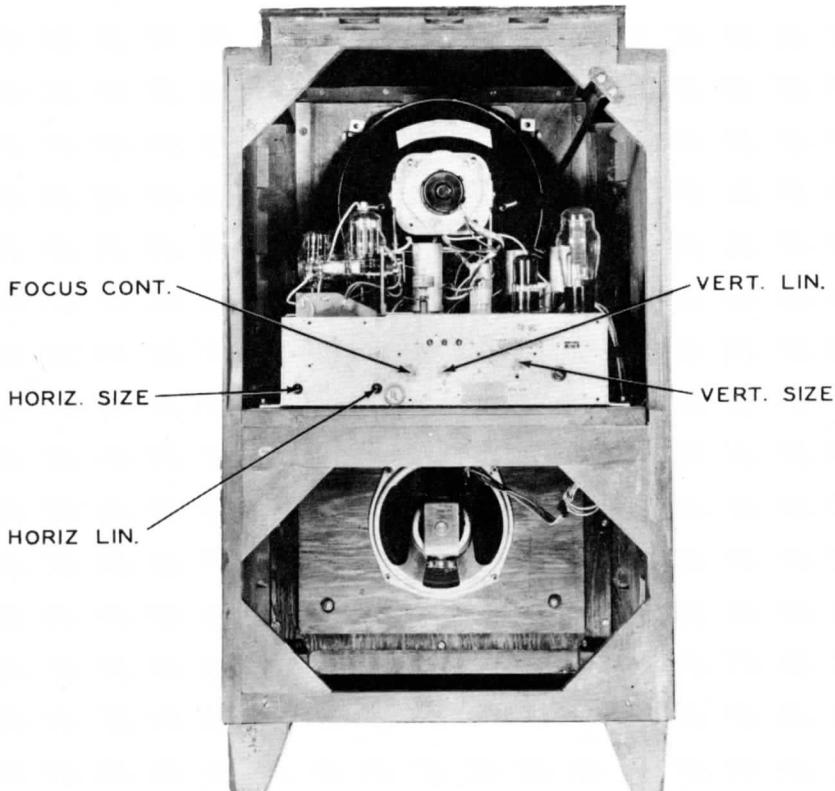
PARTS LIST AND DESCRIPTIONS (Continued)

SPEAKER

ITEM No.	RATING		REPLACEMENT DATA			NOTES
	FIELD RES.	V. C. IMP.	MOTOROLA PART No.	JENSEN PART No.	QUAM PART No.	
SP1	100Ω	3.5Ω	50B489002		#	# Supplied on request. Specify field resistance and current.
SP2	CONE DIA. 7 1/4"	V. C. DIA. 3/4"				

MISCELLANEOUS

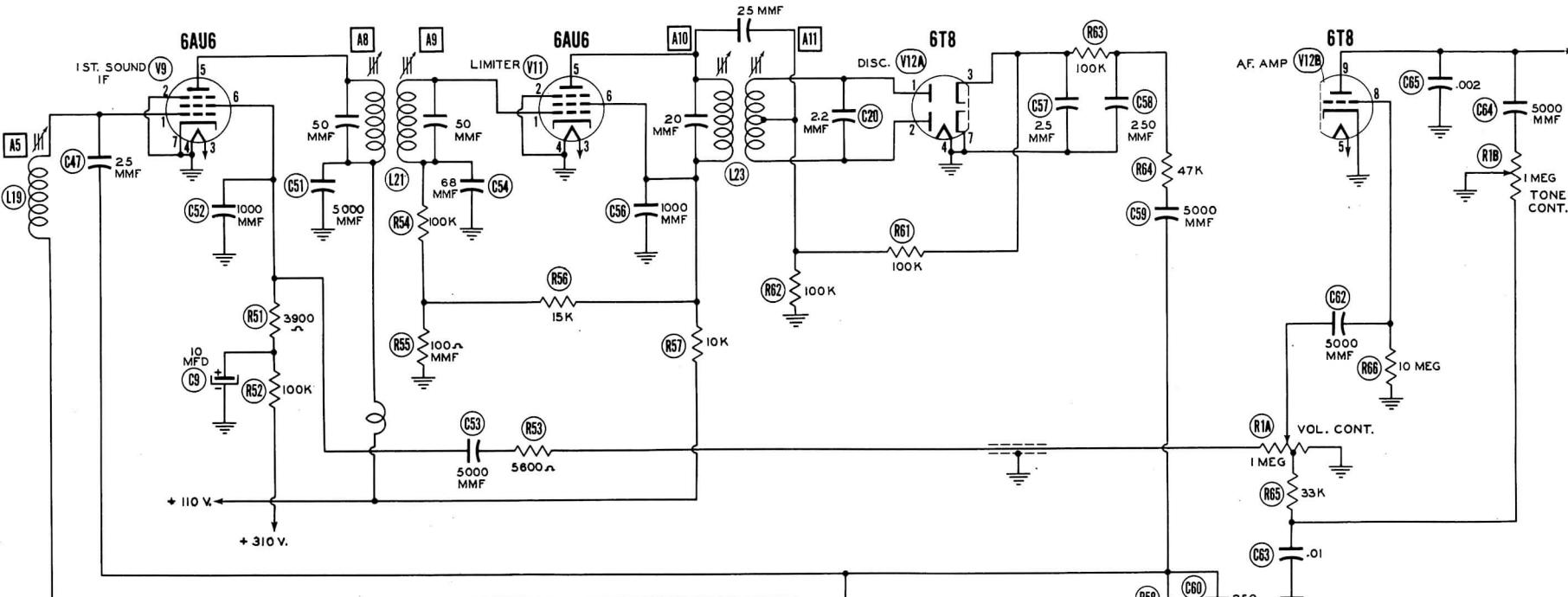
ITEM No.	PART NAME	MOTOROLA PART No.	NOTES
M1	Crystal Rect.	48A90173	1N34
M2	Ion Trap	24B484822	Permanent Magnet Type
M3	Tuner	1X484850	TT-3 Complete
M4	Fuse		Type-3AG, 1/8 Amp.
	Iron Core	46K471143	Includes screw for L25 and T-2
	Iron Core	46K471434	Includes screw for L24
	Iron Core	46A70023	Includes screws for L3B, L7, L10, L12, L13, L15, L19.
	Iron Core	46K471337	Includes screws for L23, Pri. and Sec.
	Iron Core	46A484198	Threaded for L21 Pri. and Sec. tuning
	Line Cord Plug	28K471323	Interlock on chassis.
	Socket	9B90116	Picture Tube L2 pin with leads.
	Cabinet	16E484880	VT-105, Table Model Brown Mahogany
	Cabinet	16K484881	VT-105M Table Model Red Mahogany
	Knob	36K485478	Walnut Plastic: Brightness, Horiz. Hold and Off-Tone Control for VT-105, and VT-106.
	Knob	36A485477	Mahogany Plastic: Brightness and Horiz. Hold and Off-Tone Controls for VT-105M.
	Knob	36K485481	Mahogany Plastic: Fine Tuning for VT-105 and VT-106.
	Knob	36A485480	Mahogany Plastic: Fine Tuning for VT-105M.
	Knob	36K485490	Mahogany Plastic: Contrast and Volume for VT-105 and VT-106.
	Knob	36B485498	Mahogany Plastic: Contrast and Volume for VT-105M.
	Knob	36K485493	Walnut Plastic: Vertical Hold for VT-105 and VT-106.
	Knob	36K485492	Mahogany Plastic: Vertical Hold for VT-105M.
	Knob	36K485487	Walnut Plastic: Channel Selector for VT-105 and VT-106.
	Knob	36B485486	Mahogany Plastic: Channel Selector for VT-105M.
	Plug	28A470122	4 Pin for Antenna Receptacle.
	Window & Gasket Assy.	1X471310	Safety Glass Window with Felt Gasket.



CABINET-REAR VIEW

MOTOROLA MODELS VT105, VT105M,
VK106, VK106B, VK106M, VT107, VT107M

ALTERNATE SOUND IF CIRCUIT-CHASSIS TS-9B



A PHOTOFAC STANDARD NOTATION SCHEMATIC

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