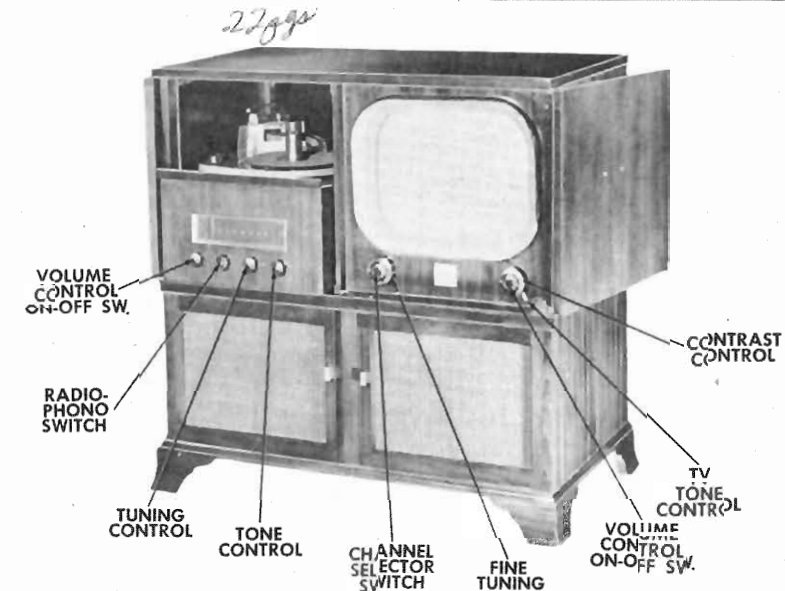


RESISTOR AND INDUCTOR IDENTIFICATION



MOTOROLA 17F12A			
TRADE NAME	MOTOROLA MODELS	TV CHASSIS	RADIO CHASSIS
	17F12, B	TS-325, A	HS-319
	17F12A, BA	TS-326, A	HS-319
	17K12	TS-325, A	
	17K12A	TS-326, A	
	17K12B	TS-325, A	
	17K12BA	TS-326, A	
	17K12W	TS-325, A	
	17K12WA	TS-326, A	
	17T7	TS-325, A	
	17T7A	TS-326, A	
	17T8	TS-325, A	
	17T8A	TS-326, A	
	17T8B	TS-325, A	
	17T8BA	TS-326, A	
MANUFACTURER	Motorola Inc., 4545 Augusta Blvd., Chicago, Ill.		
TYPE SET	TV-AM-Phono Combination		
TUBES	Twenty Three		
POWER SUPPLY	110-120 Volts AC-60 Cycle		RATING 1.3Amp. @117AC (TV) .56 Amp. @117 Volts AC(Radio)
TUNING RANGE	Channel 2 thru 13 (TV) 535-1620KC (AM)		

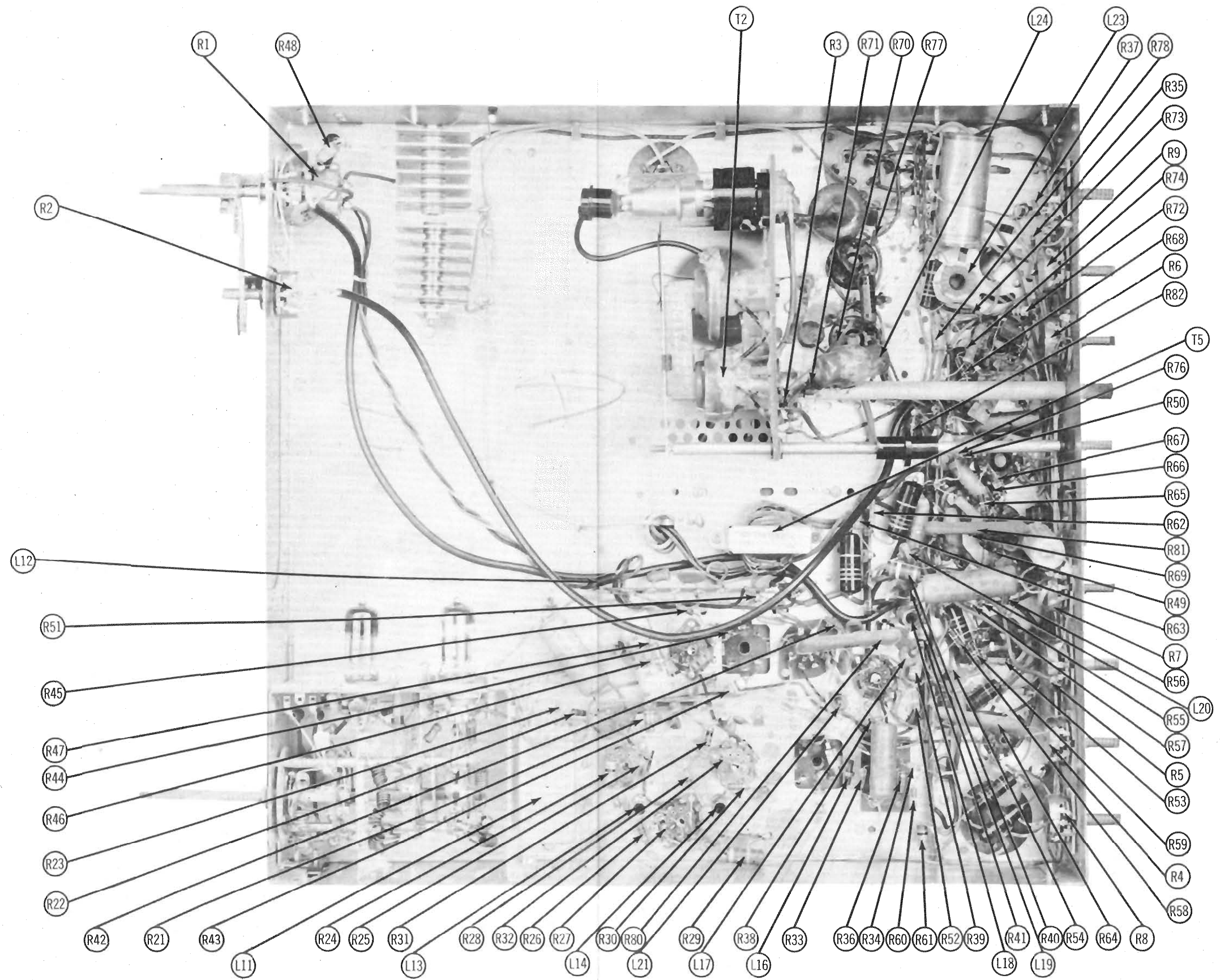
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FOR SERVICE INFORMATION ON RECORD CHANGER MOTOROLA MODEL RC-40, SEE MODEL RC-37 PHOTOFACT SET 141 FOLDER 8.

HOWARD W. SAMS & CO., INC. • Indianapolis 5, Indiana

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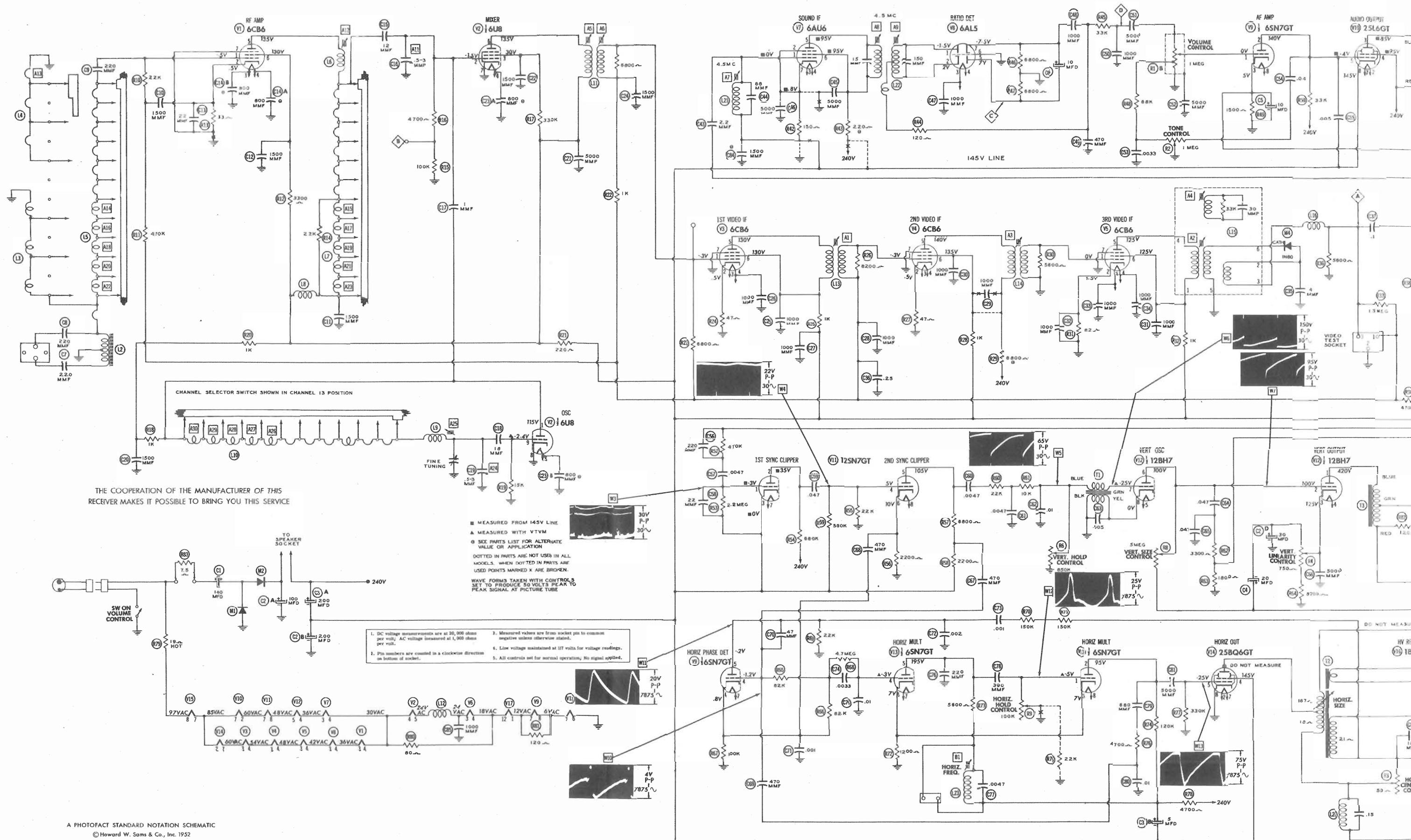
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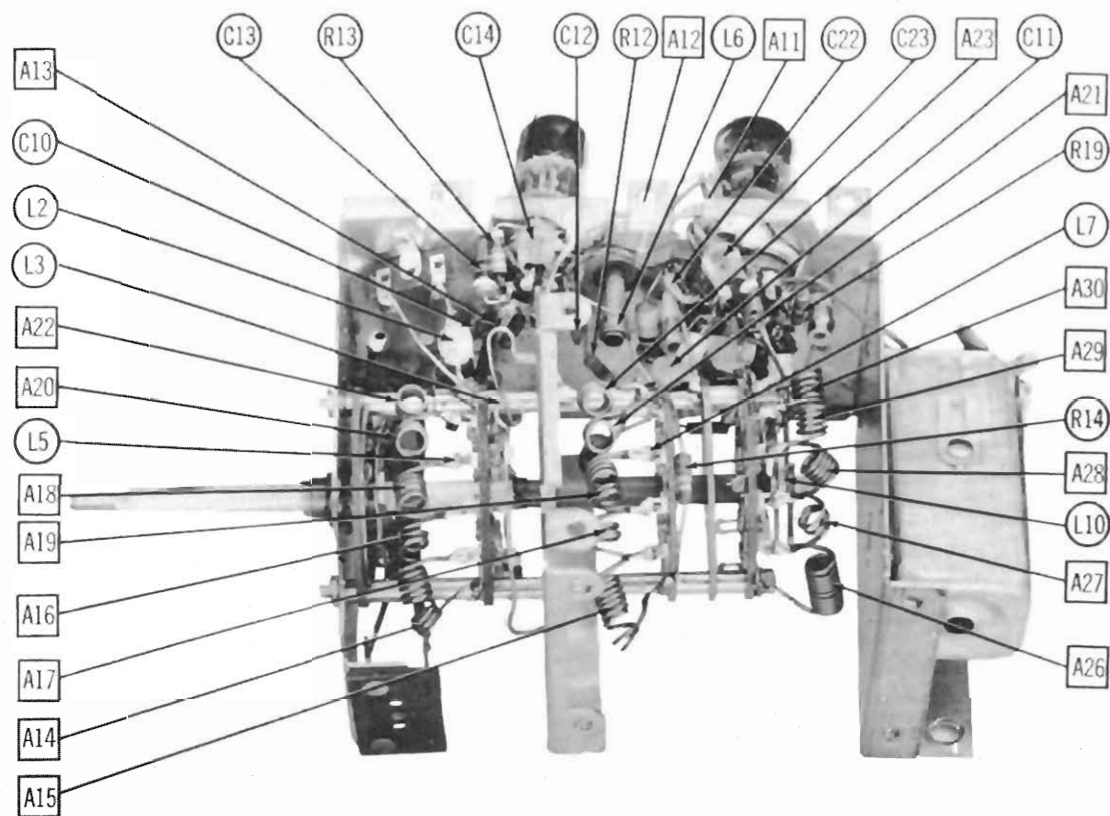


CHASSIS BOTTOM VIEW-RESISTOR AND INDUCTOR IDENTIFICATION

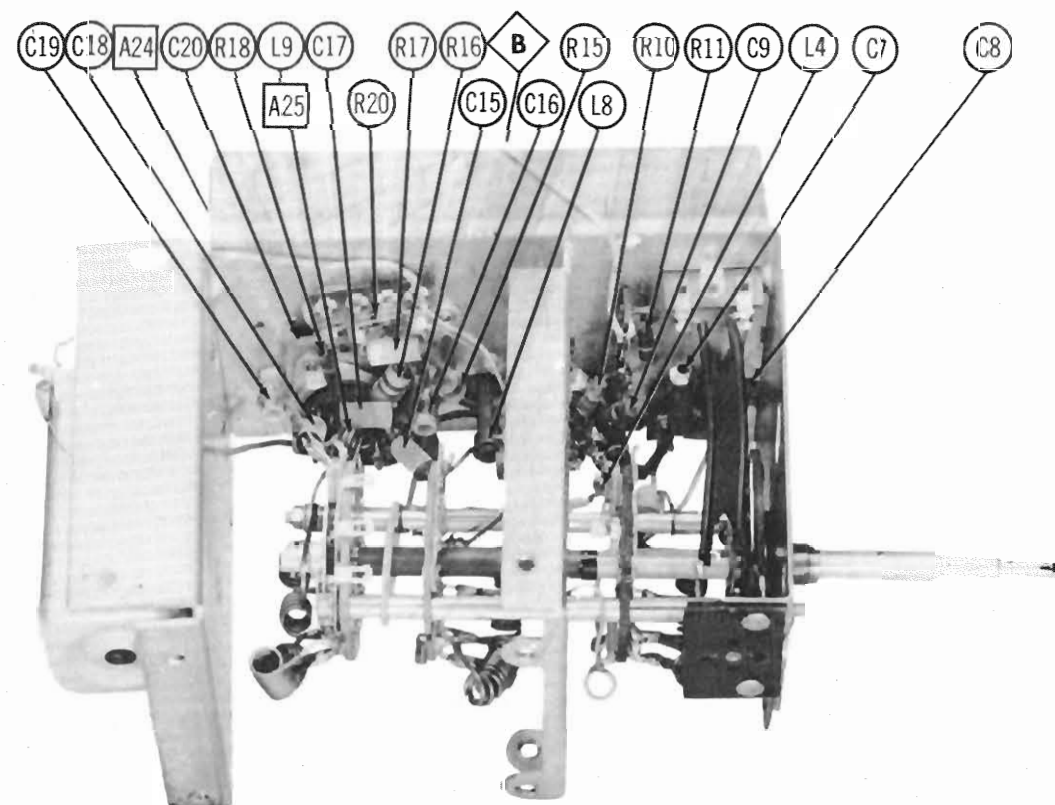
TRADE NAME
MANUFACTURER
TYPE SET
TUBES
POWER SUPPLY
TUNING RANGE
Alignment Instructions
Alignment Instructions
Radio Drive Cord Strin
Disassembly Instructio
Horizontal Sweep Circu
Parts List and Descrip
Parts List and Descrip
Photographs
Cabinet - Rear Vi
Capacitor & Alignm
FOR SERVICE INFO
141 FOLDER 8.
H

"The listing of any available re
case a recommendation, warro
as to the quality and suitability
parts have been compiled from
Inc., by the manufacturers of t
"Reproduction or use, without

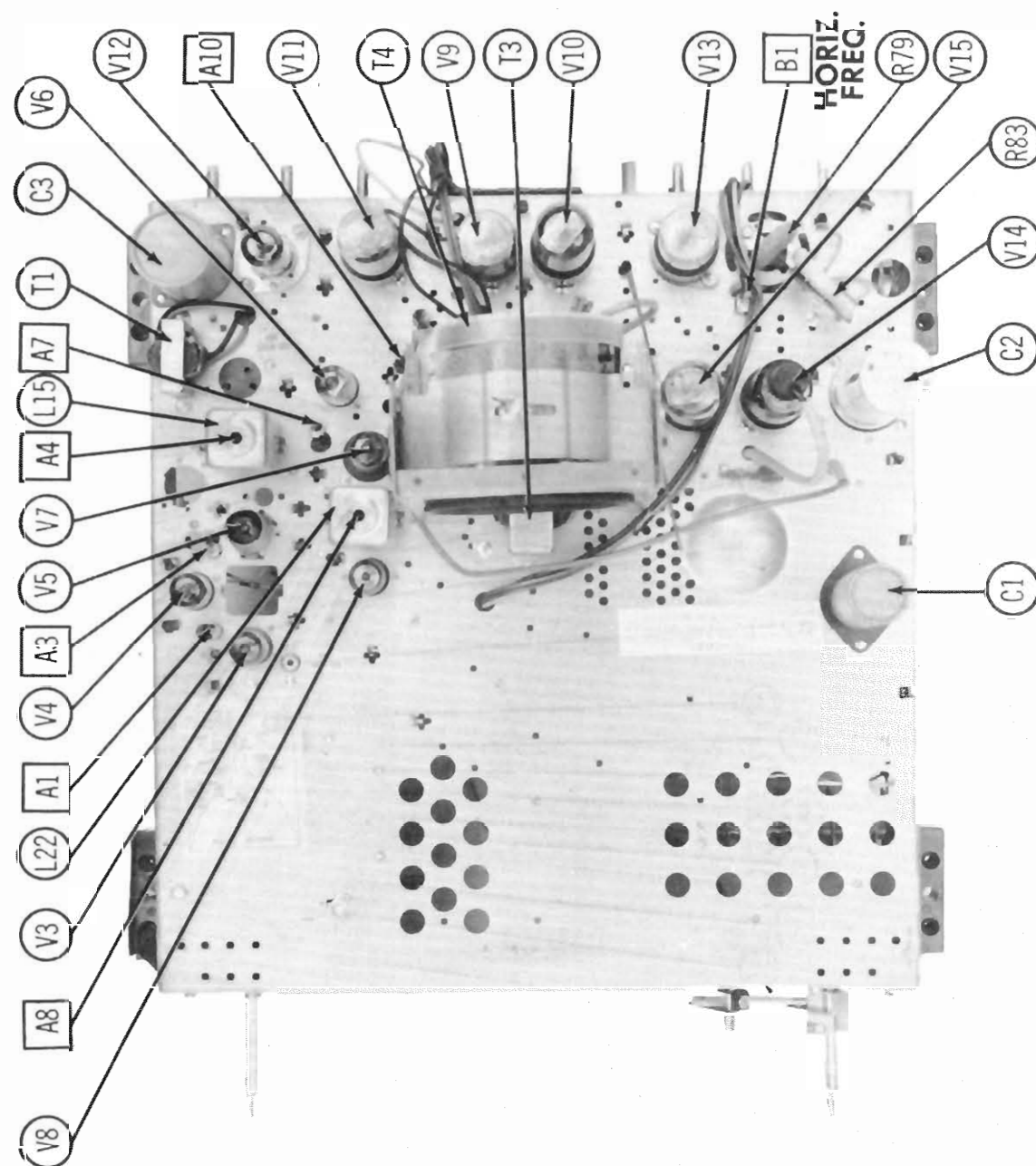




RF TUNER-RIGHT SIDE

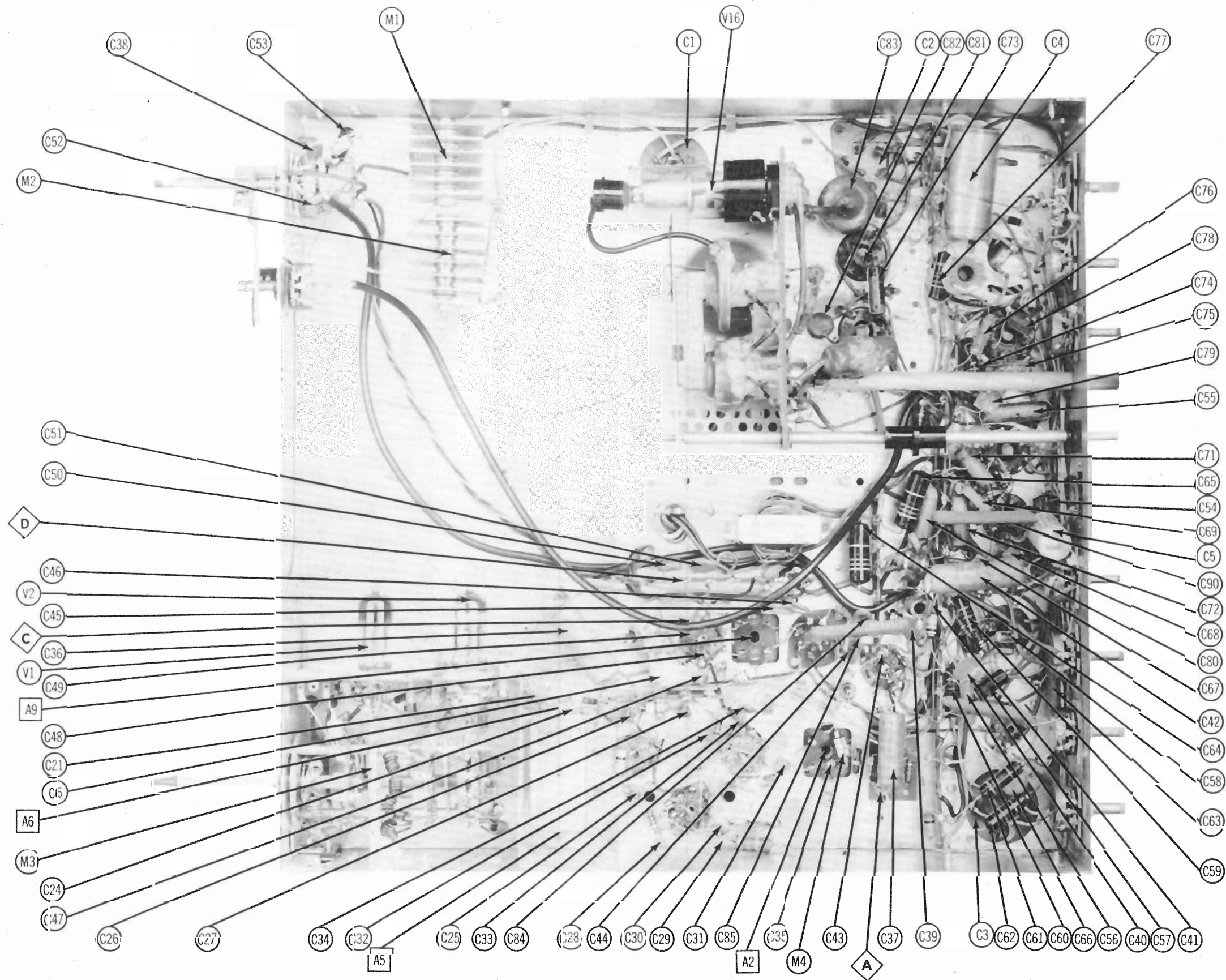


RF TUNER-LEFT SIDE



MAIN POL SISSVHC

MOTOROLA MODELS 17F12, A, B, BA,
17K12, A, B, BA, W, WA, 17T7, A, 17T8, A, B, BA



MOTOROLA MODELS 17F12, A, B, BA,
17K12, A, B, BA, W, WA, 17T7, A, 17T8, A, B, BA

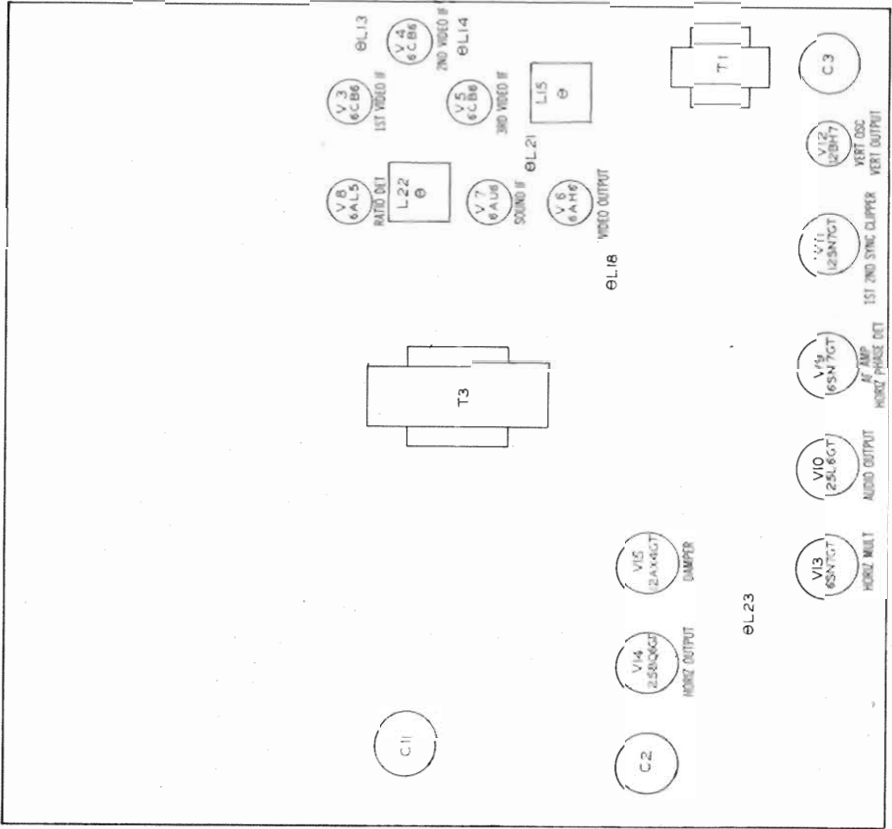
CHASSIS BOTTOM VIEW-CAPACITOR AND ALIGNMENT IDENTIFICATION

RESISTANCE MEASUREMENTS

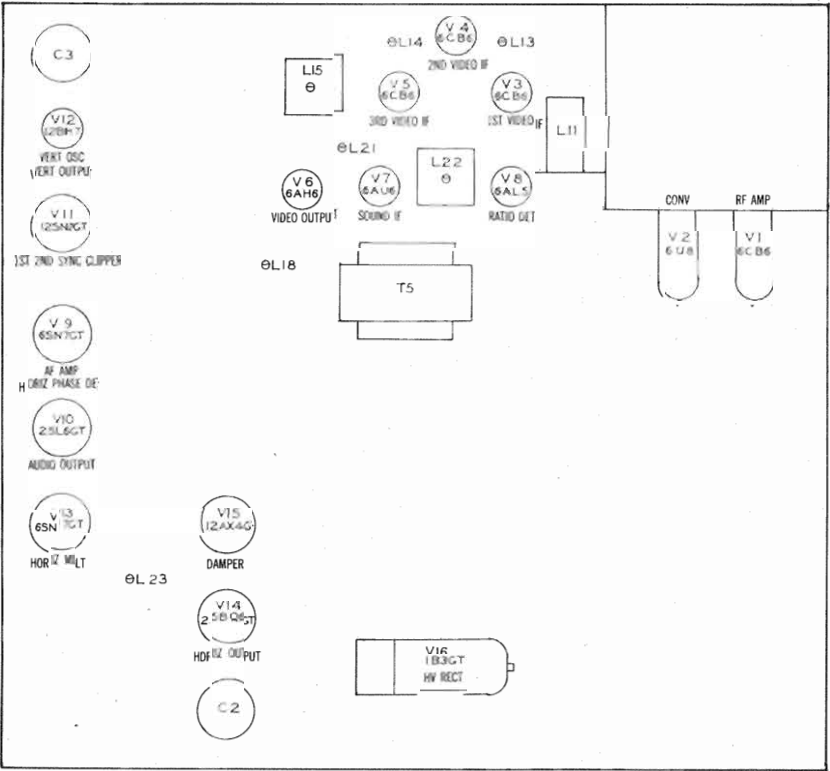
Item	Tube	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8	Pin 9
V 1	6CB6	2Meg	33Ω	11Ω	8.2Ω	220Ω	3.5KΩ	0Ω		
V 2	6U8	2.2KΩ	100KΩ	330KΩ	8.2Ω	6.8Ω	220Ω	0Ω	0Ω	15KΩ
V 3	6CB6	1.5Meg	47Ω	20Ω	18Ω	1KΩ	1KΩ	0Ω		
V 4	6CB6	1.5Meg	47Ω	18Ω	16Ω	6.8KΩ	1KΩ	0Ω		
V 5	6CB6	.3Ω	82Ω	16Ω	14Ω	1KΩ	1KΩ	0Ω		
V 6	6AH6	1.1Meg	450Ω	6.8Ω	4.7Ω	13.8KΩ	133KΩ	450Ω		
V 7	6AU6	1.1Ω	150Ω	11Ω	8.2Ω	275Ω	275Ω	150Ω		
V 8	6AL5	INF	INF	14Ω	11Ω	6.8KΩ	0Ω	6.8KΩ		
V 9	6SN7GT	250KΩ	133KΩ	1.5KΩ	265KΩ	22KΩ	100KΩ	3.2Ω	1.6Ω	
V 10	25L6GT	150Ω	19Ω	1265Ω	155Ω	131KΩ	180KΩ	23Ω	70KΩ	
V 11	12SN7GT	2.2Meg	1680KΩ	0Ω	22KΩ	9KΩ	2.2KΩ	19Ω	16Ω	
V 12	12BH7	730Ω	2.8Meg	9KΩ	11Ω	16Ω	2.8Meg	580KΩ	50Ω	13Ω
V 13	6SN7GT	80KΩ	1120KΩ	1.2KΩ	4.8Meg	110KΩ	1.2KΩ	1.6Ω	0Ω	
V 14	25BQ6GT	INF	23Ω	1120KΩ	0Ω	330KΩ	22KΩ	20Ω	0Ω	TOP CAP #41Ω
V 15	12AX4GT	INF	26Ω	1Meg	INF	155Ω	300KΩ	23Ω	26Ω	
V 16	1B3GT	PINS 1 THRU 8 HAVE INF RESISTANCE								
V 17	17TP4	3.2Ω	1.8KΩ	PIN 6 200KΩ	PIN 10 21Ω	PIN 11 260KΩ	PIN 12 4.7Ω			TOP CAP #200Ω

ALL CONTROLS SET FOR NORMAL OPERATION, NO SIGNAL APPLIED
M5 IN LOCAL POSITION
† MEASURED FROM OUTPUT OF M2
MEASURED FROM PIN 3 OF V15
■ MEASURED FROM 145 VDC LINE

MOTOROLA MODELS 17F12, A, B, BA,
17K12, A, B, BA, W, WA, 17T7, A, 17T8, A, B, BA



TOP VIEW



BOTTOM VIEW

TUBE PLACEMENT CHART

TV ALIGNMENT INSTRUCTIONS

ALIGNMENT INSTRUCTIONS—READ CAREFULLY BEFORE ATTEMPTING ALIGNMENT
Remove the horizontal output tube, V14, from its socket to eliminate RF interference in the oscilloscope. Connect an 80 ohm, 10 watt resistor across pins 2 and 7 of the socket, or use a similar tube with all pins clipped except the heaters. If alignment is to be done with picture tube remove, connect a short across pins 1 and 12 of the picture tube socket to complete the heater circuit. Use an isolation transformer to protect the test equipment.

VIDEO IF ALIGNMENT

Connect the negative lead of a 3 volt battery through a 47KΩ decoupling resistor to the ungrounded side of C36. Connect the positive lead to chassis. Turn the Area Selector Switch on rear of chassis to "Local". If interference due to the local oscillator is experienced during the video IF alignment it may be necessary to disable the oscillator circuit by means of a short across that section of the bandswitch (position 2 to 13). Connect the synchronized sweep voltage from the signal generator to the horizontal input of the oscilloscope for horizontal deflection.

DUMMY ANTENNA	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	MARKER GENERATOR FREQUENCY	CHANNEL	CONNECT SCOPE	ADJUST	REMARKS
1. .001MFD	High side to pin 1 (grid) of 6CB6 (V3). Low side to chassis.	24.6MC (10MC swp.)	26.6MC	Any	Vert. amp. thru 47KΩ to point A. Low side to chassis.	A1, A2	Adjust A1 to place the 26.6MC markers on high side of response curve at 50% of response. At the same time adjust A2 to provide a symmetrical top to the response curve. See Fig. 1.
2. "	"	"	22.9MC	"	"	A3	Adjust to place 22.9MC marker at 50% on low side of response curve, Fig. 1. At the same time adjust A2 as before.
3. "	"	"	21.9MC	"	"	A4	Adjust for maximum attenuation of response at 21.9MC as per Fig. 1.
4. "	High side to point A. Low side to chassis.	"	22.9MC 26.4MC	"	"	A5, A6	Connect a short across R16. Adjust for response curve as per Fig. 2 with 22.9MC between 35 and 50% response and 26.4MC between 40 and 50% response. Make sure the slugs are tuned away from the center of the coil.

SOUND IF ALIGNMENT USING AM SIGNAL GENERATOR AND VTVM

Set contrast control to fully clockwise position.

DUMMY ANTENNA	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	CHANNEL	CONNECT VTVM	ADJUST	REMARKS
5. .001MFD	High side to pin 1 (grid) of 6AH6 (V6). Low side to chassis.	4.5MC (unmod.)	Any	DC probe to point C. Common to chassis.	A7, A8	Adjust for maximum deflection.
6. "	"	"	"	DC probe to point D. Common to chassis.	A9	Adjust for zero reading. A positive and negative reading will be obtained on either side of the correct setting.

SOUND IF ALIGNMENT USING FM SIGNAL GENERATOR AND OSCILLOSCOPE

Set contrast control to fully clockwise position. Use frequency modulated signal with 60% modulation and 450KC sweep. Use 120V sawtooth voltage in scope for horizontal deflection.

DUMMY ANTENNA	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	MARKER GENERATOR FREQUENCY	CHANNEL	CONNECT SCOPE	ADJUST	REMARKS
5. .001MFD	High side to pin 1 (grid) of 6AH6 (V6). Low side to chassis.	4.5MC (450 KC Swp)	4.5 MC	Any	Vert. amp. to point C. Low side to chassis.	A7, A8	Disconnect stabilizer capacitor C6. Adjust for maximum amplitude and symmetry of response curve as per fig. 3.
6. "	"	"	"	"	Vert. amp. to point D. Low side to chassis.	A9	Reconnect capacitor C6. Adjust so 4.5MC occurs at center of crossover lines as per fig. 4. SLIGHTLY retouch A9 for maximum amplitude and straightness of crossover lines.

4.5MC TRAP ADJUSTMENT

DUMMY ANTENNA	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	CHANNEL	CONNECT VTVM	ADJUST	REMARKS
7. .001MFD	High side to pin 1 (grid) of 6AH6 (V6). Low side to chassis.	4.5MC (unmod.)	Any	DC probe thru crystal diode detector (fig. 5) to pin 11 of picture tube. Common to chassis.	A10	Adjust for MINIMUM deflection.

RF ALIGNMENT

Disable the local oscillator by connecting a short across the oscillator inductance. Remove the bias battery used in Video IF Alignment and connect a short across C36. Connect the synchronized sweep voltage from the signal generator to the horizontal input of the oscilloscope for horizontal deflection. The sweep generator output lead should be terminated with its characteristic impedance, usually 50 ohms.

DUMMY ANTENNA	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	MARKER GENERATOR FREQUENCY	CHANNEL	CONNECT SCOPE	ADJUST	REMARKS
8. Two 120Ω Carbon Resistors	Across antenna terminals with 120Ω in each lead.	177 MC (10MC Swp)	175.25 MC 179.75 MC	7	Vert. amp. thru 47KΩ to point A. Low side to chassis.	A11	Set A12 to the mid-position of its range. Adjust A11 to place the video and sound markers on response curve as per fig. 6.
9. "	"	213 MC (10 MC Swp)	211.25MC 215.75 MC	13	"	A12	Adjust to place the video and sound markers on response curve as per fig. 5. Recheck channel 7 and readjust A11 if necessary.
10. "	"	207 MC (10MC Swp) 209.75 MC 201 MC (10 MC Swp) 203.75 MC 195 MC (10 MC Swp) 197.75 MC 189 MC (10 MC Swp) 191.75 MC 183 MC (10 MC Swp) 185.75 MC 177 MC (10 MC Swp) 179.75 MC	205.25 MC 209.75 MC 201.25 MC 203.75 MC 193.25 MC 197.75 MC 187.25 MC 191.75 MC 181.25 MC 185.75 MC 175.25 MC 179.75 MC	12 11 10 9 8 7	"	A13	Check all high band channels for response curve as per fig. 6. The peak of the curve may be sharpened or broadened by changing the position of the grounded end of A13. It should be approximately 3/16 inch from the switch shield. If the response is checked with the cover on the tuner the video marker will move down the left side of the curve a short distance, but should be within tolerance.
11. "	"	85 MC (10 MC Swp) 79 MC (10 MC Swp) 77.25 MC (10 MC Swp) 81.75 MC (10 MC Swp) 89 MC (10 MC Swp) 87.25 MC (10 MC Swp) 71.75 MC (10 MC Swp) 61.25 MC (10 MC Swp) 65.75 MC (10 MC Swp) 57 MC (10 MC Swp) 59.75 MC	83.25 MC 87.75 MC 77.25 MC 81.75 MC 67.25 MC 71.75 MC 61.25 MC 65.75 MC 55.25 MC 59.75 MC	6 5 4 3 2	"	A14, A15 A16, A17 A18, A19 A20, A21 A22, A23	Compress or expand coils for response curve as per fig. 7. Coils with even "A" numbers affect the video carrier and coils with odd "A" numbers affect the sound carrier.

TV ALIGNMENT INSTRUCTIONS (CONT.)

OSCILLATOR ALIGNMENT

Remove the short from the oscillator inductance. Connect the synchronized sweep voltage from the signal generator to the horizontal input of the oscilloscope for horizontal deflection. The sweep generator output lead should be terminated with its characteristic impedance, usually 50 ohms.

DUMMY ANTENNA	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	MARKER GENERATOR FREQUENCY	CHANNEL	CONNECT SCOPE	ADJUST	REMARKS
12. Two 120Ω Carbon Resistors	Across antenna terminals with 120Ω in each lead.	195 MC	197.75 MC	10	Vert. Amp. thru 470KΩ to point A. Low side to chassis.	A24	Set fine tuning trimmer to mid-capacity. Adjust A24 to place sound marker slightly higher in frequency than the 21.9 MC trap notch, fig. 2. This allowance is made to compensate for bottom shield being off.
13. "	"	213 MC (10 MC Swp) 207 MC (10 MC Swp) 201 MC (10 MC Swp) 189 MC (10 MC Swp) 183 MC (10 MC Swp) 177 MC (10 MC Swp)	215.75 MC 209.75 MC 203.75 MC 191.75 MC 185.75 MC 179.75 MC	13 12 11 9 8 7	"	"	Check all high band channels for sound marker slightly higher in frequency than 21.9 MC trap notch with fine tuning trimmer not more than 30 degrees from mid-position. If necessary compress or expand A25 for proper marker placement, then recheck channel 10 as in step 12.
14. "	"	85 MC (10 MC Swp)	87.75 MC	6	"	A26	Set fine tuning trimmer to 30 degrees from mid-capacity position. Compress or expand A26 to place sound marker slightly higher in frequency than 21.9 MC trap notch.
15. "	"	79 MC (10 MC Swp) 69 MC (10 MC Swp) 63 MC (10 MC Swp) 57 MC (10 MC Swp)	81.75 MC 71.75 MC 65.75 MC 59.75 MC	5 4 3 2	"	A27 A28 A29 A30	Compress or expand coils to place sound marker slightly higher in frequency than 21.9 MC trap notch, with not more than 15 degree variation of fine tuning trimmer from position of step 14.

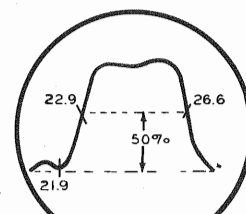


FIG. 1

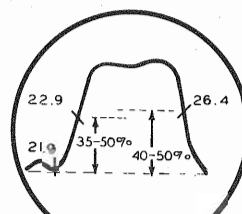


FIG. 2

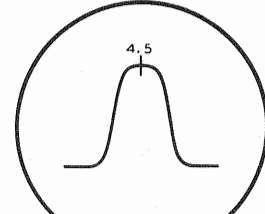


FIG. 3

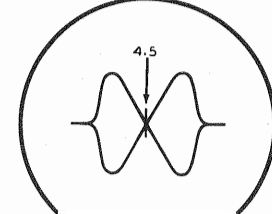


FIG. 4

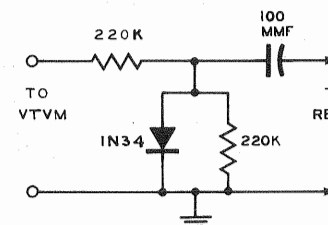


FIG. 5

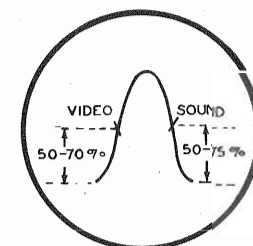


FIG. 6

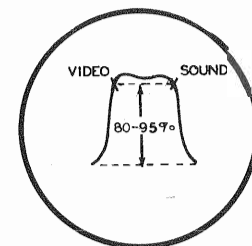


FIG. 7

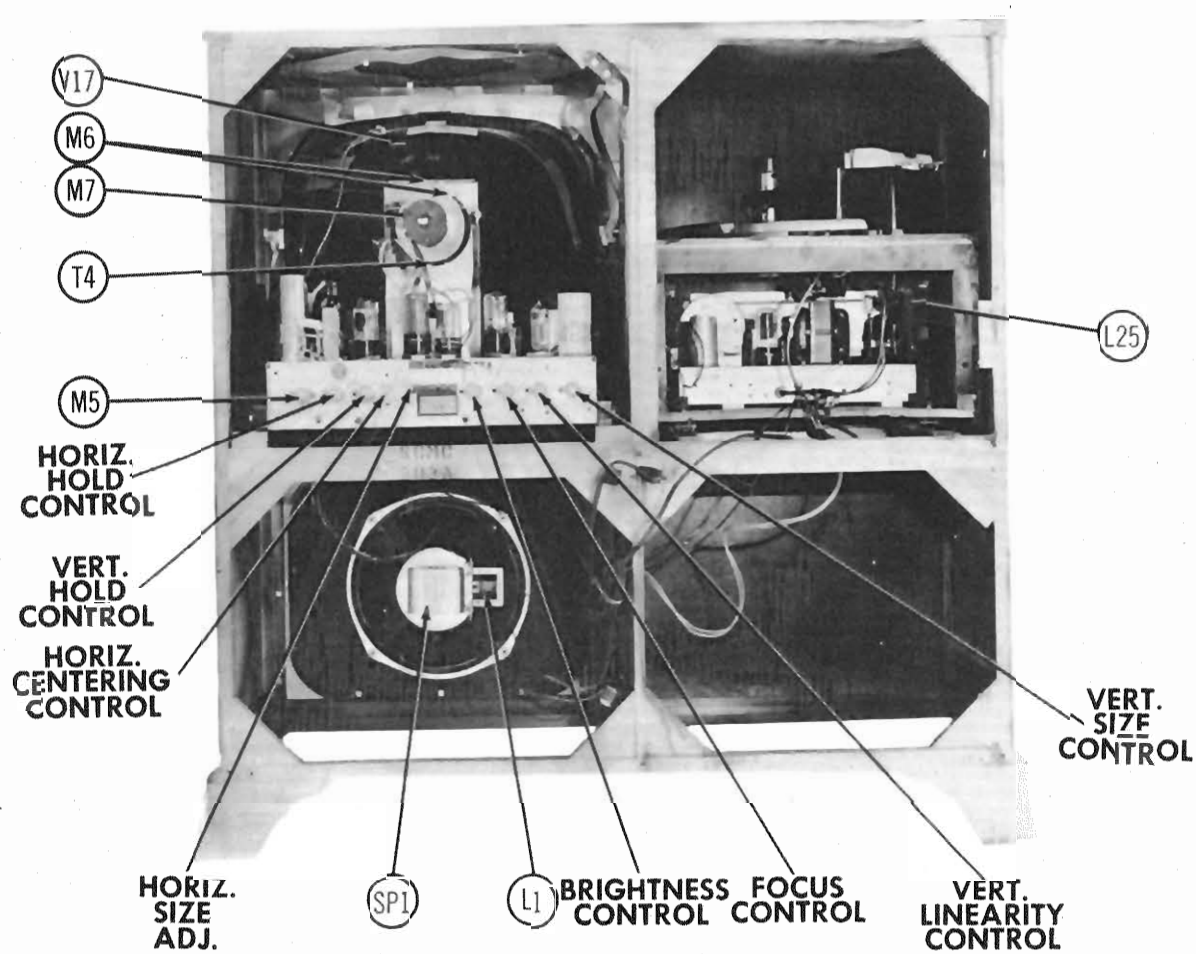
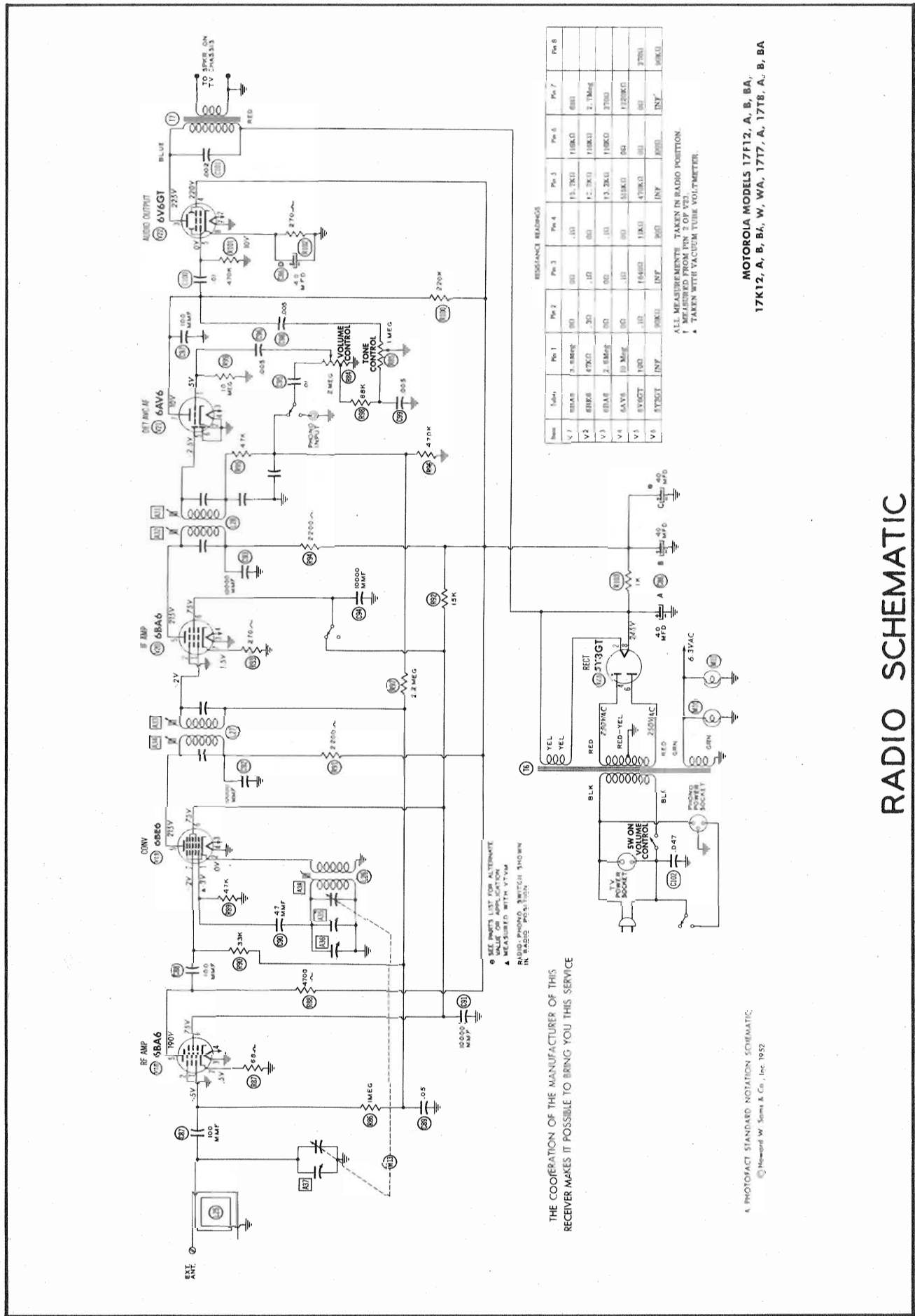
RADIO ALIGNMENT INSTRUCTIONS

AM RADIO ALIGNMENT

Turn the tuning gang fully open and set pointer to coincide with the right hand side of the "0" in 160. Set "Phono-Radio" knob to "Radio". Loop should be maintained in same relative position to chassis as when receiver is in cabinet. Volume control should be at maximum position. Output of signal generator should be no higher than necessary to obtain an output reading. Use an insulated alignment screwdriver for adjusting.

DUMMY ANTENNA	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	BAND SWITCH POS.	RADIO DIAL SETTING	OUTPUT METER	ADJUST	REMARKS
16. .1MFD	High side to pin 7 (grid) of 6BE6 (V19). Low side to chassis.	455 KC (400V Mod.)	AM	Tuning gang fully open	Across voice coil.	A31, A32 A33, A34.	Adjust for maximum output.
17. "	"	1620 KC	"	"	"	A35	Adjust A35 for maximum output. If unable to peak A35, adjust A36 to 1/2 turn from fully closed then readjust A35.
18. "	Loop	1400 KC	"	Tune to 1400 KC Signal	"	A37	Fasten loop of several turns of wire and radiate signal into loop of receiver. Adjust for maximum output.
19. .1MFD	High side to pin 7 (grid) of 6BE6 (V19)	535 KC	"	Tuning gang fully closed.	"	A38	If receiver has been found to be badly off calibration after step 18, perform step 19 adjusting A38 for maximum output. Repeat Step 17.

MOTOROLA MODELS 17F12, A, B, BA, 17K12, A, B, BA, W, WA, 17T7, A, 17T8, A, B, BA



Turn the set on and tune in a TV station, preferably a test pattern.

The horizontal hold control should have a sync range of approximately 70 degrees. If the control is too critical adjust as follows:

1. Connect a .25MFD capacitor from the junction L73 and L23 (horizontal oscillator coil) to chassis.
2. Using the horizontal centering control move the picture to the left, so the right edge of the raster can be seen. Adjust the horizontal hold control for about a quarter inch of blanking pulse, which appears as a gray bar at the right edge of the raster.
3. Remove the .25MFD capacitor and adjust the horizontal oscillator slug (B1) for the same amount of blanking pulse as was seen in step 2.

This adjustment also affects the vertical size so it may be found necessary to adjust the vertical size control.

DISASSEMBLY INSTRUCTIONS

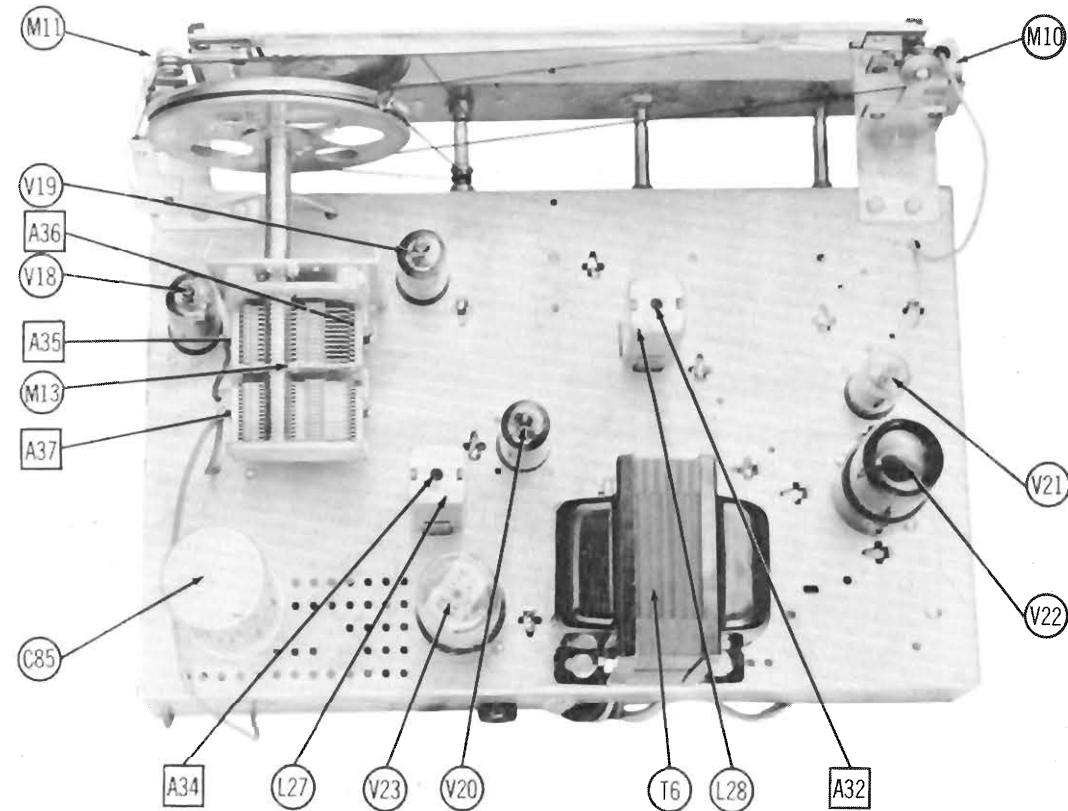
TV

1. Remove 4 push on type control knobs and 1 push on type lever from front panel.
2. Remove 5 wood screws and 1 metal screw, disconnect AC plug to TV. Remove rear cover.
3. Disconnect built-in antenna, TV speaker plug.
4. Remove 2 wood screws. Remove antenna bracket.
5. Remove 4 chassis bolts. Remove chassis.

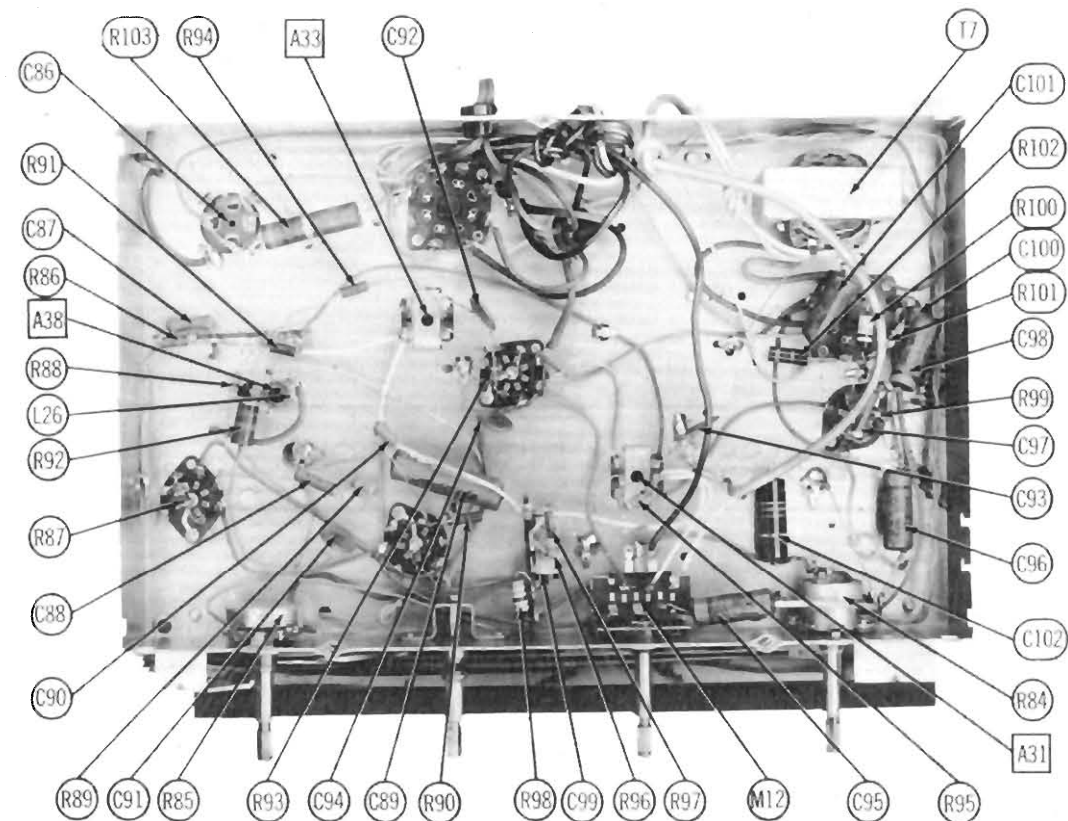
NOTE: FOR PICTURE TUBE REMOVAL IT IS NECESSARY TO REMOVE CHASSIS: AS OUTLINED ABOVE.

RADIO

1. Remove 4 push on type control knobs from front panel.
2. Remove 10 wood screws. Remove rear cover.
3. Disconnect phono audio cable, phono motor cable, antenna leads and speaker.
4. Remove 4 nuts holding speaker. Remove speaker.
5. Remove 3 chassis bolts. Remove chassis.



RADIO CHASSIS-TOP VIEW



RADIO CHASSIS-BOTTOM VIEW

RADIO PARTS LIST AND DESCRIPTIONS (Continued)

TRANSFORMER (AUDIO OUTPUT)

ITEM No.	RATING				REPLACEMENT DATA				INSTALLATION NOTES
	IMPEDANCE	DC RES.	PRI.	SEC.	MOTOROLA PART No.	STANCOR PART No.	MERIT PART No.	CHICAGO PART No.	
T7	6KΩ	3.6Ω	640Ω	.5Ω	25B502142	A-3877 ⑥	A-3019	RO-9 ⑥	⑥ Drill one new mounting hole.

COILS (RF-IF)

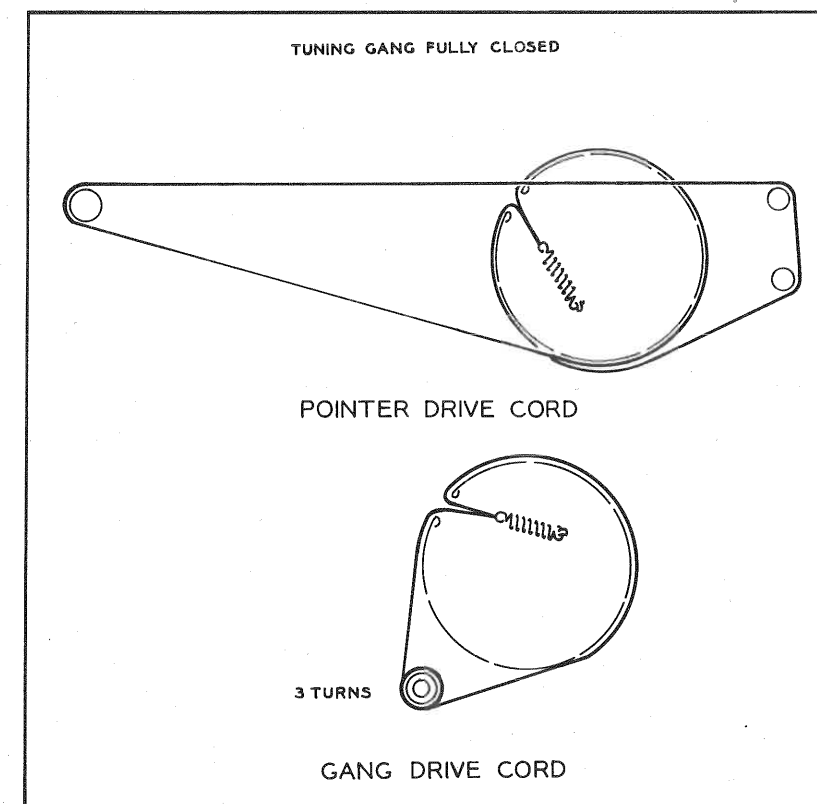
ITEM No.	USE	DC RES.		REPLACEMENT DATA		NOTES
		PRI.	SEC.	MOTOROLA PART No.	MERIT PART No.	
L25	Loop Ant.	3Ω		24C690896		
L26	Osc. Coil	.3Ω	7.9Ω	24K691878		
L27	Input IF	17Ω	17Ω	24C485553	BC-352	
L28	Output IF	17.5Ω	17.5Ω	24K485555		

DIAL LIGHTS

ITEM No.	BASE TYPE	VOLTS	AMPS.	BEAD COLOR	REPLACEMENT DATA		NOTES
					MOTOROLA PART No.		
M10	Bayonet	6-8	.25	Blue	65X10667		Type #44
M11	Bayonet	6-8	.25	Blue	65X10667		Type #44

MISCELLANEOUS

ITEM No.	PART NAME	MOTOROLA PART No.	NOTES
M12	Switch	40B601065	Radio-Phono
M13	Tuning Cap	19B691877	17-164MMF-31-197MMF
	Knobs	36C701150	OFF/ON Volume, Radio-Phono, Tuning and Tone Models 17F12, 17F12A, 17F12B & 17F12BA



DRIVE CORD STRINGING

MOTOROLA MODELS 17F12, A, B, BA, 17K12, A, B, BA, W, WA, 17T7, A, 17T8, A, B, BA

RADIO PARTS LIST AND DESCRIPTIONS

TUBES (SYLVANIA or Equivalent)

ITEM No.	USE	REPLACEMENT DATA		RMA BASE TYPE	NOTES
		MOTOROLA PART No.	STANDARD REPLACEMENT		
V18	RF Amplifier	6BA6	6BA6	7BK	
V19	Converter	6BE6	6BE6	7CH	
V20	IF Amplifier	6BA6	6BA6	7BK	
V21	Det. AVC-AF Amp.	6AV6	6AV6	7BT	
V22	Audio Output	6V6GT	6V6GT	7AC	
V23	Rectifier	5Y3GT	5Y3GT	5T	

CAPACITORS

Capacity values given in the rating column are in mfd. for Electrolytic and Paper Capacitors, and in mmfd. for Mica and Ceramic Capacitors.

ITEM No.	RATING CAP. VOLT	REPLACEMENT DATA					IDENTIFICATION CODES AND INSTALLATION NOTES
		MOTOROLA PART No.	AEROVOX PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	SPRAGUE PART No.	
C86A	40 350	23B690975	A4H4-53		UPT44435-C4	TVL-4739	Filter
B	40 250						Filter
C	40 250						Filter
D	40 25						Audio Output Cathode
C87	100	21B77286	SI100	D6-101	TM5T1	GPIK-101	5GA-T1 RF Coupling
C88	100	21B77286	SI100	D6-101	TM5T1	GPIK-101	5GA-T1 RF coupling
C89	.05	8R9816	P488-05	DF-503	PT84S5		4TM-S5 AVC Filter
C90	47	21K77373	SI47	D6-470	5R5Q5	GPIK-470	5GA-Q47 Osc. Grid Cap.
C91	10000	21K482726	BPD-01	DD-103	TM5S1	821-01	5HK-S1 Osc. Anode Bypass
C92	10000	21K482726	BPD-01	DD-103	TM5S1	821-01	5HK-S1 Conv. Plate Dec.
C93	10000	21K482726	BPD-01	DD-103	TM5S1	821-01	5HK-S1 IF Amp. Plate Dec.
C94	10000	21K482726	BPD-01	DD-103	TM5S1	821-01	5HK-S1 IF Amp. Screen Bypass
C95	.01	8R9809	P488-01	D6-103	PTE4S1	GP2-333-103	4TM-S1 Audio Coupling
C96	.005	8R9813	P688-005	D6-502	PTE6D5	GP2-333-502	6TM-D5 Audio Coupling
C97	100	21B77286	SI100	D6-101	TM5T1	GPIK-101	5GA-T1 AF Amp. Plate Bypass
C98	.005	8R9813	P688-005	D6-502	PTE6D5	GP2-333-502	6TM-D5 Tone Comp.
C99	.005	8R9813	P688-005	D6-502	PTE6D5	GP2-333-502	6TM-D5 Tone Comp.
C100	.01	8R9809	P488-01	D6-103	PTE4S1	GP2-333-103	4TM-S1 Audio Coupling
C101	.002	8R9847	P688-002	D6-202	PTE6D2	GP2-333-202	6TM-D2 Audio Output Plate
C102	.047	8R490232	489-ZGXY-05		PJ4S5		Line Filter

* Not used in all models when C84C is not used, C84 part no. is 23B610587.

CONTROLS

ITEM No.	RATING RESISTANCE WATTS	REPLACEMENT DATA				INSTALLATION NOTES
		MOTOROLA PART No.	IRC PART No.	CLAROSTAT PART No.	CENTRALAB PART No.	
R84A	2Meg	18A600974	Q13-139X	AT-115	ANT-80	Volume Control - Tapped 600KΩ
B	Shaft	Not Req.	Not Req.	KSS-3	AK-4	Attach to R84A per instructions
C	Switch	Not Req.	Not Req.	SW-A	K-155	Attach to R84A per instructions
R85A	1Meg	18K77399	Q14-137		AN-68	Tone Control
B	Shaft	Not Req.	Not Req.		AK-4	Attach to R85A per instructions

RESISTORS

ITEM No.	RATING RESISTANCE WATTS	REPLACEMENT DATA		IDENTIFICATION CODES
		MOTOROLA PART No.	IRC PART No.	
R86	1Meg	6R6004	BTS-1Meg	RF Amp. Grid
R87	68K	6R2039		RF Amp. Cathode
R88	4700Ω	6R6080	BTS-4700	RF Amp. Plate
R89	47KΩ	6R6056	BTS-47K	Oscillator Grid
R90	33KΩ	6R6012	BTS-33K	Converter Grid
R91	2200Ω	6R6290	BTS-2200	Converter Plate Dec.
R92	15KΩ	6R5732	BTS-15K	Screen Dropping
R93	270Ω	6R6432	BTS-270	IF Amp. Cathode
R94	2200Ω	6R6290	BTS-2200	IF Amp. Plate Dec.
R95	47KΩ	6R6056	BTS-47K	Diode RF Filter
R96	470KΩ	6R6032	BTS-470K	Diode Load
R97	2.2Meg	6R3927	BTS-2.2Meg	AVC Network
R98	68KΩ	6R6074	BTS-68K	Tone Compensation
R99	10Meg	6R2109	BTS-10Meg	AF Amp. Grid
R100	220KΩ	6R6015	BTS-220K	AF Amp. Plate
R101	470KΩ	6R6032	BTS-470K	Output Grid
R102	270Ω	6R6336	BTA-270	Output Cathode
R103	1000Ω	5R3922	BTB-1000	Filter

TRANSFORMER (POWER)

ITEM No.	RATING				REPLACEMENT DATA			
	PRI.	SEC. 1	SEC. 2	SEC. 3	MOTOROLA PART No.	STANCOR PART No.	MERIT PART No.	CHICAGO PART No.
T6	117VAC 500VCT 56A ADC	5VAC 2A	6.3VAC 2A	2.5A	25B600684			

TV PARTS LIST AND DESCRIPTIONS

TUBES (SYLVANIA or Equivalent)

ITEM No.	USE	REPLACEMENT DATA		RMA BASE TYPE	NOTES
		MOTOROLA PART No.	STANDARD REPLACEMENT		
V1	RF Amplifier	6CB6	6CB6	7CH	
V2	Converter	6U8	6U8	9AE	
V3	1st. Video IF Amp.	6CB6	6CB6	7CH	
V4	2nd. Video IF Amp.	6CB6	6CB6	7CH	
V5	3rd. Video IF Amp.	6CB6	6CB6	7CH	
V6	Video Output	6AH6	6AH6	7BK	
V7	Sound IF Amp.	6AU6	6AU6	7BK	
V8	Ratio Detector	6AL5	6AL5	6BT	
V9	AF Amplifier				
V10	Horiz. Phase Det.	6SN7GT	6SN7GT	8BD	
V11	Audio Output	25L6GT	25L6GT	7AC	
V12	1st. & 2nd. Sync. Clippers	12SN7GT	12SN7GT	8BD	
V13	Vert. Oscillator - Vert. Output	12BH7	12BH7	9A	
V14	Horiz. Mult.	6SN7GT	6SN7GT	8BD	
V15	Horiz. Output	25BQ6GT	25BQ6GT	6AM	
V16	Damper	12AX4GT	12AX4GT	4CG	
V16	HV Rectifier	1B3GT	1B3GT	3C	

CATHODE-RAY TUBE

ITEM No.	REPLACEMENT DATA		RMA BASE TYPE	NOTES
	MOTOROLA PART No.	SYLVANIA PART No.		
V17A	17TP4	17TP4	12C	
V17B	17HP4A		12C	

CAPACITORS

Capacity values given in the rating column are in mfd. for Electrolytic and Paper Capacitors, and in mmfd. for Mica and Ceramic Capacitors.

ITEM No.	RATING CAP. VOLT	REPLACEMENT DATA					IDENTIFICATION CODES AND INSTALLATION NOTES
		MOTOROLA PART No.	AEROVOX PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	SPRAGUE PART No.	
C1	140	23B484097	E3A120		UPE15015	TVL-1428	Voltage Doubler
C2A	100	23B712068	E4D491		UPT436	TVL-4561	Filter
B	200						Decoupling
C	10						Video Output Screen
D	30						Vert. Output Cathode
C3A	200	23B710841	E4B257		UP3101015	TVL-1431	Filter
B	150				BR415	TVA-1402	Decoupling
C4	20	23K710667	PRS450/20		BR2045	TVA-1709	Decoupling
C5	10	23A90205	PRS50/10		BR105	TVA-1304	AF Amp. Cathode Bypass
C6	10	23A90205	PRS50/10		BR105	TVA-1304	Stabilizing Cap.
C7	220	21K77375	SI220	D6-221		GP2K-221	5GA-T22 RF Coupling
C8	220	21K77375	SI220	D6-221		GP2K-221	5GA-T22 RF Coupling
C9	220	21K400941	SI220	D6-221		GP2K-221	5GA-T22 RF Coupling
C10	1500	21A701029	BPD-0015	DD-152	TM5D15	801-0015	5HK-D15 AGC Filter
C11	1500	21A701029	BPD-0015	DD-152	TM5D15	801-0015	5HK-D15 RF Amp. Plate Dec.
C12	1500	21A701029	BPD-0015	DD-152	TM5D15	801-0015	5HK-D15 RF Amp. Screen Bypass
C13	22	21K400942	SI22	D6-220		GPIK-220	5GA-Q22 RF Amp. Cathode Bypass
C14A	800		BPD-2X001	DD-2-102	TM5DD1	812-001	5HK-2D1 RF Amp. Fil. Bypass
B	800						RF Amp. Fil. Bypass
C15	12	21K114073	SI12	D6-120		GPIK-120	RF Coupling
C16	.5-3	1X710954		829-3			Variable Trimmer
C17	1	21K114071		TCZ-1		NP0K-010	Osc. Coupling
C18	18	21K71246					Osc. Grid Cap.
C19	.5-3	1X710954		829-3			Variable Trimmer
C20	1500	21A701029	BPD-0015	DD-152	TM5D15	801-0015	5HK-D15 RF Bypass
C21	5000	21A470789	BPD-005	DD-502	TM5D5	811-005	5HK-D5 Mixer Plate Dec.
C22	1500	21A701029	BPD-0015	DD-152	TM5D15	801-0015	5HK-D15 Mixer Screen Bypass
C23A	800		BPD-2X001	DD-2-102	TM5DD1	812-001	5HK-2D1 Conv. Fil. Bypass
B	800						Conv. Fil. Bypass
C24	1500	21A701029	BPD-0015	DD-152	TM5D15	801-0015	5HK-D15 AGC Filter
C25	1000	21K400936	BPD-001	DD-102	TM5D1	801-001	5HK-D1 1st. Video IF Dec.
C26	1000	21K400936	BPD-001	DD-102	TM5D1	801-001	5HK-D1 1st. Video IF Fil.
C27	1000	21K400936	BPD-001	DD-102	TM5D1	801-001	5HK-D1 RF Bypass
C28	1000	21K400936	BPD-001	DD-102	TM5D1	801-001	5HK-D1 AGC Filter
C29	1000	21K400936	BPD-001	DD-102	TM5D1	801-001	5HK-D1 2nd. Video IF Plate
C30	1000	21K400936	BPD-001	DD-102	TM5D1	801-001	5HK-D1 2nd. Video IF Screen
C31	1000	21K400936	BPD-001	DD-102	TM5D1	801-001	5HK-D1 3rd. Video IF Dec.
C32	1000	21K400936	BPD-001	DD-102	TM5D1	801-001	5HK-D1 3rd. Video IF Cathode
C33	1000	21K400936	BPD-001	DD-102	TM5D1	801-001	5HK-D1 3rd. Video IF Fil.
C34	1000	21K400936	BPD-001	DD-102	TM5D1	801-001	5HK-D1 3rd. Video IF Fil.
C35	4	21K38951				NP0K-040	Video Det. Filter
C36	.25	8R9810	P488-25		PJ2P25		2TM-P25 AGC Filter
C37	.1	8R9814	P288-1	DF-104	PJ2P1		2TM-P1 Video Coupling
C38	150	21K691948	SI150	D6-151	TM5T15	GP2K-151	5GA-T15 Video Output Cathode
C39	5000	21R115312	BPD-005	DD-502	TM5D5	811-005	5HK-D5 Video Output Screen
C40	5000	21R115312	BPD-005	DD-502	TM5D5	811-005	5HK-D5 RF Bypass
C41	30	21K470329		TCZ-30		NP0K-300	Fixed Trimmer
C42	.1	8R9862	P488-1	DF-104	PTE4P1		4TM-P1 Video Coupling
C43	2.2	21A478274		TCZ-2.2		NP0K-2R2	Sound IF Coupling
C44	68	21R400928				N470L-680	Fixed Trimmer
C45	5000	21R115312	BPD-005	DD-502	TM5D5	811-005	5HK-D5 Sound IF Dec.
C46	5000	21R115312	BPD-005	DD-502	TM5D5	811-005	5HK-D5 Sound IF Cathode
C47	1000	21K400936	BPD-001	DD-102	TM5D1	801-001	5HK-D1 Ratio Det. Fil.
C48	1000	21K780599	SI1000	D6-102	TM5D1	GP2L-102	5HK-D1 Diode Load Cap.
C49	470	21K400940	SI470	D6-471	TM5T5	GP2K-471	5GA-T47 RF Bypass
C50	1000	21K780599	SI1000	D6-102	TM5D1	GP2L-102	5HK-D1 De-Emphasis
C51	5000	21R115312	BPD-005	DD-502	TM5D5	811-005	5HK-D5 Audio Coupling
C52	5000	21R115312	BPD-005	DD-502	TM5D5	811-005	5HK-D5 Volume Cont. Isolation
C53	.0033	6R480220	P688-0033	D6-332	PTE6D3	GP2-333-332	6TM-D3 Tone Comp.
C54	.04	6R490258	P688-04		PTE6D5		6TM-D5 Tone Comp.
C55	.005	8R9849	P688-005	D6-502		GP2-333-502	6TM-D5 Audio Output Grid
C56	220	21K77375	SI220	D6-221	5R5T25	GP2K-221	5GA-T22 Sync. Coupling
C57	.0047	8R490246	P688-0047	D6-472	PTE6D47	GP2-333-472	6TM-D47 Sync. Coupling
C58	22	21K400942	SI22	D6-220		GPIK-220	5GA-Q22 Sync. Clipper Grid
C59	.047	8R490232	P488-047	DF-503	PT84S47		4TM-S47 Sync. Coupling
C60	.0047	8R490222	P688-0047	D6-472	PTE6D47	GP2-333-472	6TM-D47 Vert. Sync. Coupling

MOTOROLA MODELS 17F12, A, B, BA, 17K12, A, B, BA, W, WA, 17T7, A, 17T8, A, B, BA

TV PARTS LIST AND DESCRIPTIONS (Continued)

CAPACITORS (CONT.)

ITEM No.	RATING CAP. VOLT	REPLACEMENT DATA					IDENTIFICATION CODES AND INSTALLATION NOTES
		MOTOROLA PART No.	AEROVOX PART No.	CENTRALAB PART No.	CORNELL-DUBIER PART No.	ERIE PART No.	
C61	.0047	4R490222	P488-047	D6-472	PTE6D47	GP2-333-472	Vert. Integrator Net.
C62	.01	4R490226	P488-01	D6-103	PTE481	GP2-333-103	Vert. Integrator Net.
C63	.005	4R490226	P488-005	D6-502	PTE6D5	GP2-333-502	Fixed Trimmer
C64	.047	4R490232	P488-047	DF-503	PTE4S47	4TM-547	Vert. Discharge
C65	.047	4R490232	P488-047	DF-503	PTE4S47	4TM-547	Integrator Net.
C66	5000	21R115312	BPD-005	DD-502	TMSD5	811-005	Vert. Output Cathode
C67	470	500	21R6673	468-0005	D6-471	5W5T5	Horiz. Sync. Coupling
C68	470	500	21R6673	468-0005	D6-471	5W5T5	Horiz. Sync. Coupling
C69	470	500	21R6673	468-0005	D6-471	5W5T5	Horiz. Feedback
C70	47	21R114207	S47N750	TCN-47	PTE5D1	GP2L-102	Horiz. Feedback
C71	.001	4R490222	P488-001	D6-102	PTE6D2	GP2-333-202	Voltage Divider
C72	.002	4R490226	P488-002	D6-202	PTE6D2	GP2-333-202	Voltage Divider
C73	.001	4R490226	P488-001	D6-102	PTE6D2	GP2-333-202	Voltage Divider
C74	.0033	4R490220	P488-0033	D6-332	PTE6D3	GP2-333-332	Horiz. Feedback
C75	.01	4R490222	P488-01	D6-103	PTE481	GP2-333-103	Horiz. AFC Filter
C76	220	21K77375	S1220	D6-221	5K5T25	GP2K-221	Horiz. AFC Filter
C77	.0047	4R490222	P488-0047	D6-472	PTE6D47	GP2-333-472	Fixed Trimmer
C78	390	500	21R114740	469-0004	5K5T4	MS-34	Horiz. MV Feedback
C79	680	500	21R114781	479-0007	2R5T7	MS-37	Horiz. Discharge
C80	.01	600	2R9658	D6-103	PTE681	GP2-333-103	Voltage Divider
C81	5000	21R115312	BPD-005	DD-502	TMSD5	811-005	Horiz. Sweep Coupling
C82	180	3000	21K701873	TV3-502	MM-C20T5	801-0015	Damper Plate
C83	500	20000	21A790833	DD-152	TMSD15	5HK-D15	RV Filter
C84	1500	21A701029	BPD-0015	DD-102	TMSD1	801-001	Sound IF Grid Dec.
C85	1000	21K400936	BPD-001	DD-102	TMSD1	801-001	Video Amp. Fil. Bypass

† Some models use dual 1000MMF in this application (Part #21K400937)
* Not used in all models

CONTROLS

ITEM No.	RATING RESISTANCE WATTS	REPLACEMENT DATA				INSTALLATION NOTES
		MOTOROLA PART No.	IRC PART No.	CLAROSTAT PART No.	CENTRALAB PART No.	
R1A	2500Ω	18K702864				Contrast Control - Tapped @ 500Ω - Panel Volume Control - Tapped @ 300KΩ - Rear
R2A	1MΩ	18A711999	Q11-137	AG-61-S		Tone Control
R3	50Ω	DX711613	PQ	RS-2		Attach to R1A per instructions
R4A	750Ω	18A702475		AG-8-S		Horiz. Centering Control - Wire Wound
R5A	1MΩ	18A71225	Q11-137	AG-61-S	AN-69	Vert. Linearity Control
R6A	850KΩ	18K71278	Not Req.	RS-2		Attach to R4A per instructions
R7A	5.1MΩ	18A702441	Not Req.	AG-61-S		Focus Control
R8A	5MΩ	18A702443	Q11-141	AG-61-S		Attach to R5A per instructions
R9A	100KΩ	18A702468	Q11-128	AG-49-S		Vert. Hold Control - See Note 1
			Not Req.	RS-2		Attach to R6A per instructions
			Not Req.	AG-61-S		Brightness Control - See Note 2
			Not Req.	RS-2		Attach to R7A per instructions
			Not Req.	AG-61-S		Vert. Size Control - See Note 3
			Not Req.	AG-49-S		Attach to R8A per instructions
			Not Req.	RS-2		Horiz. Hold Control - See Note 4
			Not Req.	RS-2		Attach to R9A per instructions

Note 1. Connect a 350KΩ Resistor in series with clockwise terminal and ground
Note 2. Connect a 100KΩ Resistor in series with clockwise terminal and ground
Note 3. Connect a 1MΩ Resistor in series with clockwise terminal and positive side of C4
Note 4. Connect a 40KΩ Resistor in series with clockwise terminal and Grid of V13

RESISTORS

ITEM No.	RATING RESISTANCE WATTS	REPLACEMENT DATA		IDENTIFICATION CODES AND INSTALLATION NOTES
		MOTOROLA PART No.	IRC PART No.	
R10	22KΩ	6R6397		RF Amp. Grid
R11	470KΩ 20%	6R6032	BTS-470K	AGC Network
R12	330KΩ 20%	6R6036	BTS-330K	RF Amp. Screen
R13	22Ω	6R2026		RF Amp. Cathode
R14	22KΩ	6R6397		RF Coil Shunt
R15	100KΩ	6R6075	BTS-100K	Mixer Grid
R16	4700Ω 20%	6R6039	BTS-4700	Mixer Grid
R17	330KΩ 20%	6R6014		Mixer Screen
R18	1000Ω 20%	6R6301	BTS-1000	Osc. Plate
R19	15KΩ 20%	6R2119	BTS-15K	Osc. Grid
R20	1000Ω 20%	6R6301	BTS-1000	Osc. Plate Decoupling
R21	220Ω 20%	6R3927	BTS-220	Decoupling
R22	1000Ω 20%	6R6301	BTS-1000	AGC Network
R23	6800Ω	6R6428	BTS-6800	1st. Video IF Coil Shunt
R24	47Ω	6R5550		1st. Video IF Amp. Cathode
R25	1000Ω	6R6301	BTS-1000	1st. Video IF Amp. Decoupling
R26	8200Ω	6R6301		2nd. Video IF Coil Shunt
R27	47Ω	6R5550		2nd. Video IF Amp. Cathode
R28	1000Ω	6R6301	BTS-1000	2nd. Video IF Amp. Screen
R29	6800Ω	6R6301		2nd. Video IF Amp. Plate Decoupling - See Note 1
R30	5600Ω	6R6117		3rd. Video IF Coil Shunt
R31	82Ω	6R2035	BTS-82	3rd. Video IF Amp. Cathode
R32	1000Ω	6R6301	BTS-1000	3rd. Video IF Amp. Decoupling
R33	1.5MΩ	6R6460	BTS-1.5MΩ	AGC Network
R34	470KΩ 20%	6R6032	BTS-470K	AGC Network
R35	1.5MΩ 20%	6R3966	BTS-1.5MΩ	AGC Network
R36	5600Ω	6R6117	BTS-5600	Video Det. Load
R37	100KΩ 20%	6R6075	BTS-100K	Bias Network
R38	1MΩ	6R6046	BTS-1MΩ	Video Output Grid
R39	33KΩ	6R4010B	BTA-33K	Video Output Screen
R40	3900Ω	6R47602	BTS-3900	Video Output Plate
R41	10KΩ 20%	6R6054	BTS-10K	Isolation
R42	150Ω 20%	6R3992	BTS-150	Sound IF Amp. Cathode
R43	220Ω 20%	6R3927	BTS-220	Sound IF Amp. Decoupling - See Note 2
R44	120Ω	6R5551	BTS-120	Balancing
R45	33KΩ 20%	6R6012	BTS-33K	De-emphasis
R46	6800Ω	6R6428	BTS-6800	Ratio Det. Diode Load
R47	6800Ω	6R6428	BTS-6800	Ratio Det. Diode Load
R48	68KΩ 20%	6R6001	BTS-68K	Tone Compensation
R49	1500Ω	6R6038	BTS-1500	AF Amp. Cathode
R50	33KΩ	6R6400	BTA-33K	AF Amp. Plate
R51	470KΩ 20%	6R6032	BTS-470K	Isolation - See Note 3

RESISTORS (CONT.)

ITEM No.	RATING RESISTANCE WATTS	REPLACEMENT DATA		IDENTIFICATION CODES
		MOTOROLA PART No.	IRC PART No.	
R52	470KΩ 20%	6R6032	BTS-470K	Isolation
R53	2.2MΩ 20%	6R3927	BTS-2.2MΩ	1st. Sync. Clipper Grid
R54	680KΩ	6R6475	BTS-680K	1st. Sync. Clipper Plate
R55	22KΩ	6R6028	BTS-22K	2nd. Sync. Clipper Grid
R56	2200Ω	6R6069	BTS-2200	2nd. Sync. Clipper Cathode
R57	6800Ω	6R6428	BTS-6800	2nd. Sync. Clipper Plate
R58	2200Ω	6R6069	BTS-2200	2nd. Sync. Clipper Plate
R59	560KΩ	6R5697	BTS-560K	Voltage Divider
R60	22KΩ	6R6028	BTS-22K	Integrator Network
R61	10KΩ	6R6054	BTS-10K	Integrator Network
R62	3300Ω	6R5581	BTS-3300	Vert. Peaking
R63	1800Ω	6R2089	BTS-1800	Vert. Peaking
R64	870Ω	17K710950		Vert. Output Cathode - Wire Wound
R65	82KΩ	6R5644	BTS-82K	Horiz. Phase Det. Grid
R66	82KΩ	6R5644	BTS-82K	Horiz. Phase Det. Grid
R67	100KΩ	6R6031	BTS-100K	Horiz. AFC Filter
R68	4.7MΩ 20%	6R2122	BTS-4.7MΩ	Horiz. AFC Filter
R69	22KΩ	6R6028	BTS-22K	Horiz. Feedback
R70	150KΩ	6R410053	BTA-150K	Horiz. Feedback
R71	150KΩ	6R410053	BTA-150K	Horiz. Feedback
R72	1200Ω	6R6393	BTS-1200	Horiz. MV Cathode
R73	5600Ω	6R6117	BTS-5600	Horiz. MV Plate
R74	120KΩ	6R5631	BTS-120K	Horiz. MV Plate
R75	22KΩ	6R6028	BTS-22K	Voltage Divider
R76	4700Ω	6R6080	BTS-4700	Horiz. Peaking
R77	330KΩ	6R2096	BTS-330K	Horiz. Output Grid
R78	4700Ω	6R6080	BTS-4700	Decoupling
R79	80Ω	17K711561		Filament Dropping - Wire Wound
R80	120Ω	17K712224	1 3/4A-75	Filament Dropping - Wire Wound
R81	120Ω	17K712038	1 3/4A-125	Filament Dropping - Wire Wound
R82	120Ω	6R5551	BTS-120	Damping
R83	7.5Ω	17K711027		Surge Limiter - Wire Wound

Note 1. Not used in all Models
Note 2. Some Models use a 2200Ω Resistor in this application
Note 3. Used only on chassis #TS-326
* Special Resistor 18Ω Hot. Some Models use alternate resistor (Part #17K711560)

TRANSFORMER (SWEEP CIRCUITS)

ITEM No.	RATING DC RESISTANCE PRI. SEC.	REPLACEMENT DATA				NOTES
		MOTOROLA PART No.	STANCOR PART No.	MERIT PART No.	CHICAGO PART No.	
T1	50Ω 210Ω	25K702429J 25K702429J ① 25K710730 ①				Vert. Oscillator Trans.
T2	185Ω 21Ω	24C712165				Horiz. Output Trans.
T3	185Ω 21Ω	25B702445				Vert. Output Trans.
T4A	32Ω 3.6Ω	24C702260B 24C703260 ① 24C702655 ① 24C702958 ①				Horiz. Deflection Coils Vert. Deflection Coils

① Alternate Unit

TRANSFORMER (AUDIO OUTPUT)

ITEM No.	RATING IMPEDANCE PRI. SEC.	REPLACEMENT DATA				INSTALLATION NOTES
		MOTOROLA PART No.	STANCOR PART No.	MERIT PART No.	CHICAGO PART No.	
T5	2KΩ 3.6Ω 210Ω .6Ω	25B710925-C 25B710925 ①	A-3876	A-2928	RO-2	① Alternate Unit

SPEAKER

ITEM No.	RATINGS FIELD RES. P. M. CONE DIA. 10"	REPLACEMENT DATA			NOTES
		MOTOROLA PART No.	VIKING PART No.	QUAM PART No.	
SP1A	3.6Ω	50C701828 50C701834 50C702250 ② 50C703099 ②	10J12	10A4A	② Alternate 10" P.M. Speaker ③ Alternate 6" E.M. Speaker ④ Alternate 8" E.M. Speaker
SP1B	1"	50C489002 ③ 50C711976 ③ 50C701615 ③ 50C711061 ③ 50K700850 ④ 50C703098 ④ 50C703337 ④		6E100S 8E100S	

FILTER CHOKE

ITEM No.	RATINGS TOTAL DIRECT CURRENT 190ADC	REPLACEMENT DATA				INSTALLATION NOTES
		D.C. RESISTANCE 54Ω	INDUCTANCE (1000 μH) 1.3Henries	MOTOROLA PART No.	STANCOR PART No.	
L1				25B701075	C-2328	C-2996 ⑤ Fabricate Mounting Bracket,

COILS (RF-IF)

ITEM No.	USE	DC RES. PRI. SEC.		REPLACEMENT DATA		NOTES
		PRI.	SEC.	MOTOROLA PART No.	MERIT PART No.	
L2	Ant. Matching Coil	0Ω		24A790033		
L3	Ant. Primary Coils	0Ω		24K703079		Low Frequency
L4	Ant. Primary Coils	0Ω		24K703078		High Frequency
L5	Ant. Coils	0Ω		24K703033		Channels 2 thru 6
L6	RF Coil	0Ω		24C703076		Channel 13
L7	RF Coils	0Ω		24K703002		Channels 2 thru 6
L8	RF Choke	8.2Ω		24K702577		
L9	Osc. Coil	0Ω		24K703077		Channel 13
L10	Osc. Coils	0Ω		24C703001		Channels 2 thru 6
L11	1st. Video IF	.2Ω	.2Ω	24B702983		
L12	2nd. Video IF	.3Ω	.3Ω	1X712105		
L13	3rd. Video IF	.3Ω	.3Ω	1X712106		
L14	4th. Video IF	.5Ω	.5Ω	24K712104		Includes trap, resistor, capacitor and RF Choke
L15	RF Choke	11.8Ω		24B711413		
L16	Peaking Coil	11.8Ω		24K712101		Wound on 5.6K Resistor
L17	4.5MC Trap	4Ω		1X792736		
L18	Peaking Coil	9.8Ω		24K710140		
L19	Peaking Coil	15.5Ω		24K712102		Wound on 6.8K Resistor
L20	Sound IF	1.1Ω		1X790341		
L21	Ratio Det.	2.7Ω	.3Ω	24B702543		Tertiary Winding .3Ω
L22	Horiz. Osc.	47Ω		24K701558		
L23	Horiz. Lin.	13.5Ω		24A710751		Wound on .15MFD Capacitor

SELENIUM RECTIFIER

ITEM No.	RATING CURRENT	REPLACEMENT DATA				NOTES
		MOTOROLA PART No.	SYLVANIA PART No.	SELETRON PART No.	FEDERAL PART No.	
M1	.215A	48B703089	NH-5	6Q4	1090	
M2	.215A	48B703089	NH-5	6Q4	1090	