

RCA VICTOR MODEL 9T89

TRADE NAME	RCA Victor Models, 9T57 (Ch. KCS49), 9T77 (Ch. KCS49T), 9T79 (Ch. KCS49A, AT), 9T89 (Ch. KCS60, T And Radio Chassis RC 1092)
MANUFACTURER	RCA Victor Div., Radio Corp. of America, Camden, New Jersey
TYPE SET	TV-AM-FM-Phono Combination Receiver (Ch. KCS49 TV "Only")
TUBES	Twenty-one (TV "Only" Receivers) Thirty-one (Combination Receivers)
POWER SUPPLY	110-120 Volts AC-60 Cycle
RATINGS	1.5 Amp. @ 117 Volts AC (TV), .7 Amp. @ 117 Volts AC (Radio)
TUNING RANGE	(TV) - Channels 2 thru 13, (FM) 88-108MC, (AM) 540-1620KC

INDEX

AGC Adjustment..... 9	Photographs (Continued)
Alignment Instructions..... 10, 11, 12	Chassis - Top View (TV)..... 2
Dial Cord Stringing..... 29	RF Tuner (TV)..... 26, 29
Disassembly Instructions..... 29	Resistor And Inductor Identification (Radio)..... 25
FM Trap Adjustment..... 9	Resistor And Inductor Identification (TV)..... 8, 13
Horizontal Sweep Circuit Adjustment..... 9	Schematic (Radio Chassis RC1092)..... 15, 22
Parts List And Description..... 16 thru 21	Schematic (TV Chassis KCS49, A, KCS60)..... 4
Photographs	Schematic (TV Chassis KCS49AT, T, KCS60T)..... 3, 5, 6
Cabinet - Rear View..... 9	Tube Placement Chart (TV)..... 27
Capacitor And Alignment Identification (Radio)..... 24	Voltage And Resistance Measurements (Radio)..... 15, 22
Capacitor And Alignment Identification (TV)..... 7, 14	Voltage And Resistance Measurements (TV)..... 28
Chassis - Top View (Radio)..... 23	

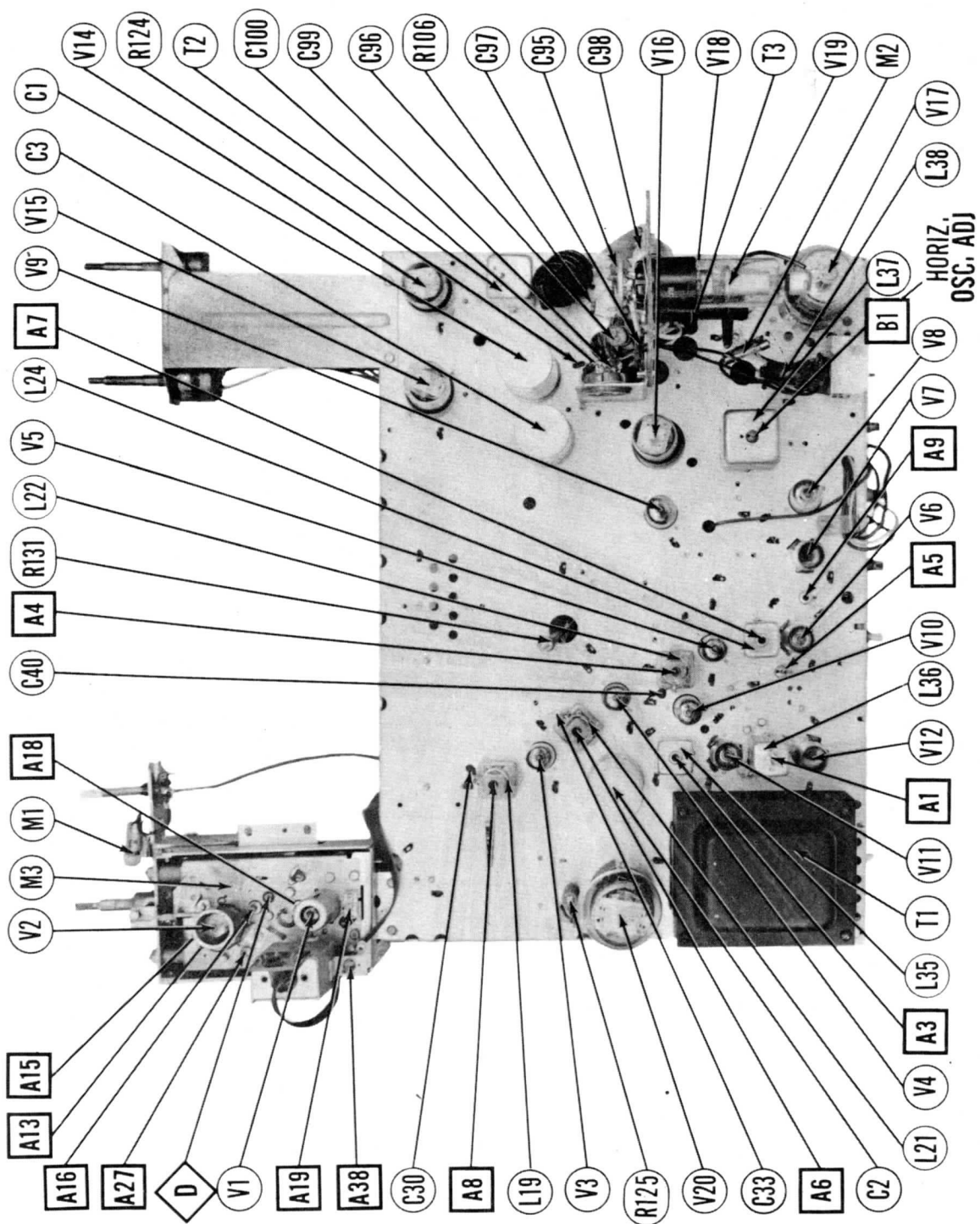
RCA VICTOR MODELS 9T57, 9T77, 9T79 (Ch. KCS49, A, AT, T), 9T89 (Ch. KCS60, A, AT, T)

RECORD CHANGER UNITS (33 1/3-78RPM) RCA MODEL 960284, (45RPM) RCA MODEL RP168 (PHOTOFACT SET #72-FOLDER NUMBER 10 OR RECORD CHANGER MANUAL CM-3)

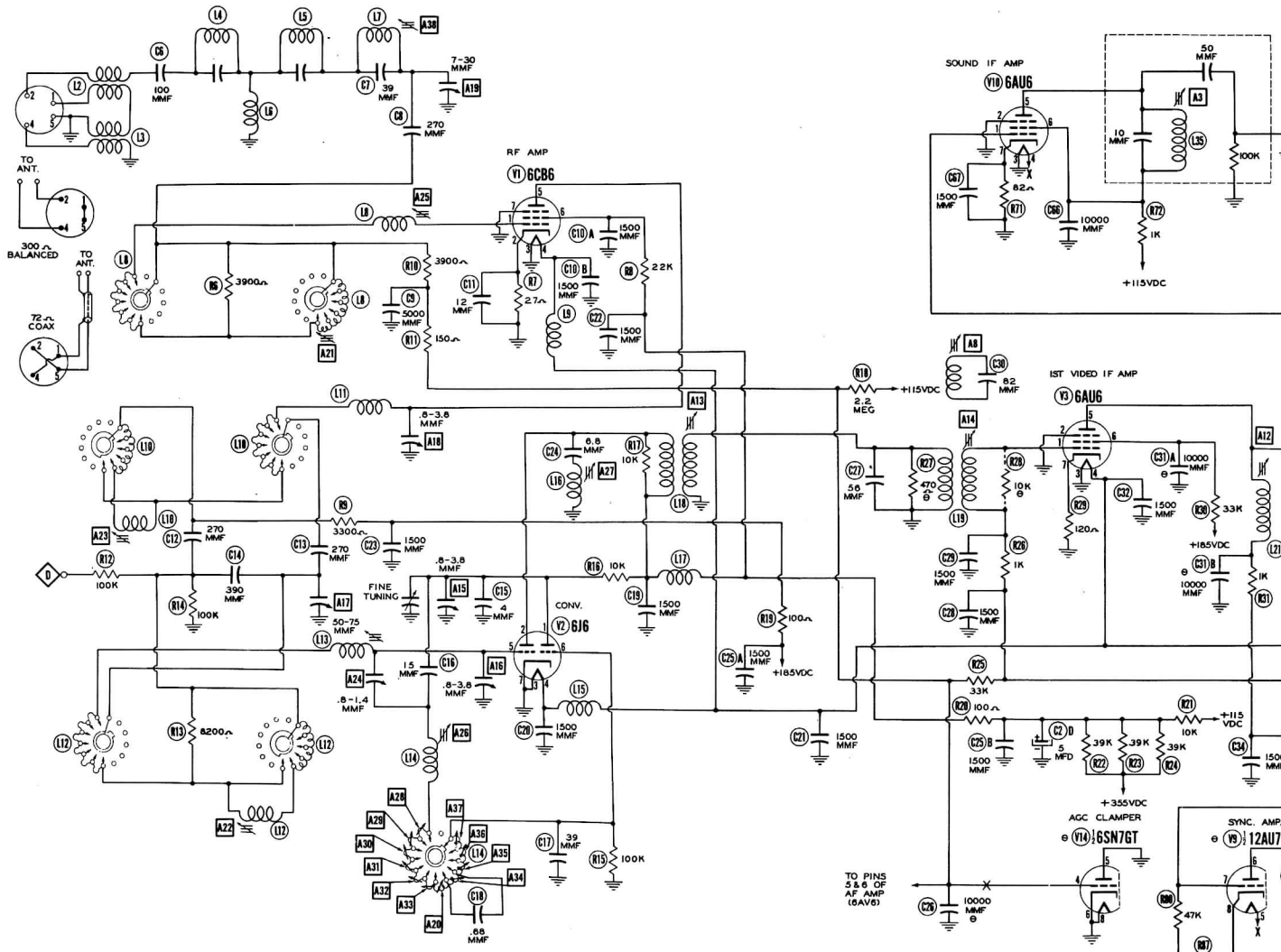
HOWARD W. SAMS & CO., INC. • Indianapolis 1, Indiana

"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."
"Reproduction or use, without express permission, of editorial or pictorial con-

tent, in any manner, is prohibited. No patent liability is assumed with respect to the use of the information contained herein. Copyright 1951 by Howard W. Sams & Co., Inc., Indianapolis, Indiana, U. S. of America. Copyright under International Copyright Union. All rights reserved under Inter-American Copyright Union (1910) by Howard W. Sams & Co., Inc." Printed in U. S. of America

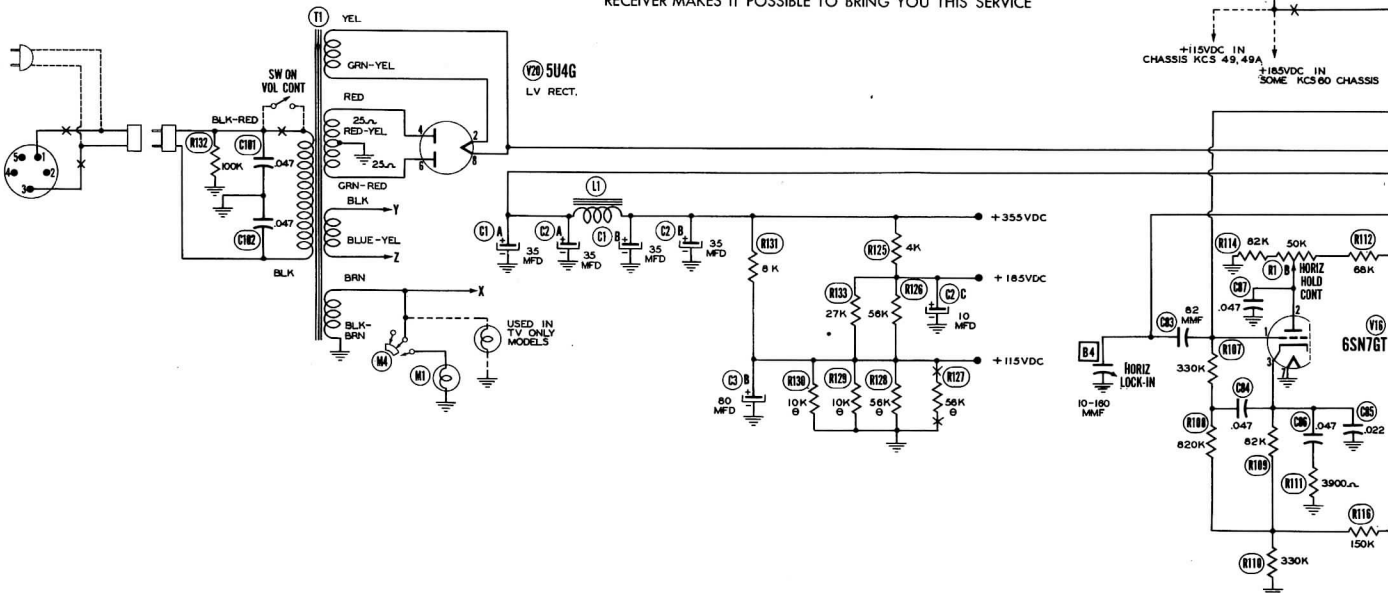


CHASSIS TOP VIEW



CHANNEL SW. SHOWN IN CHANNEL 2 POSITION

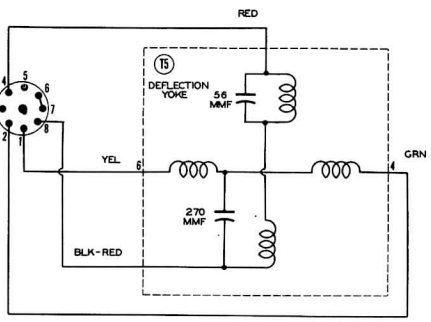
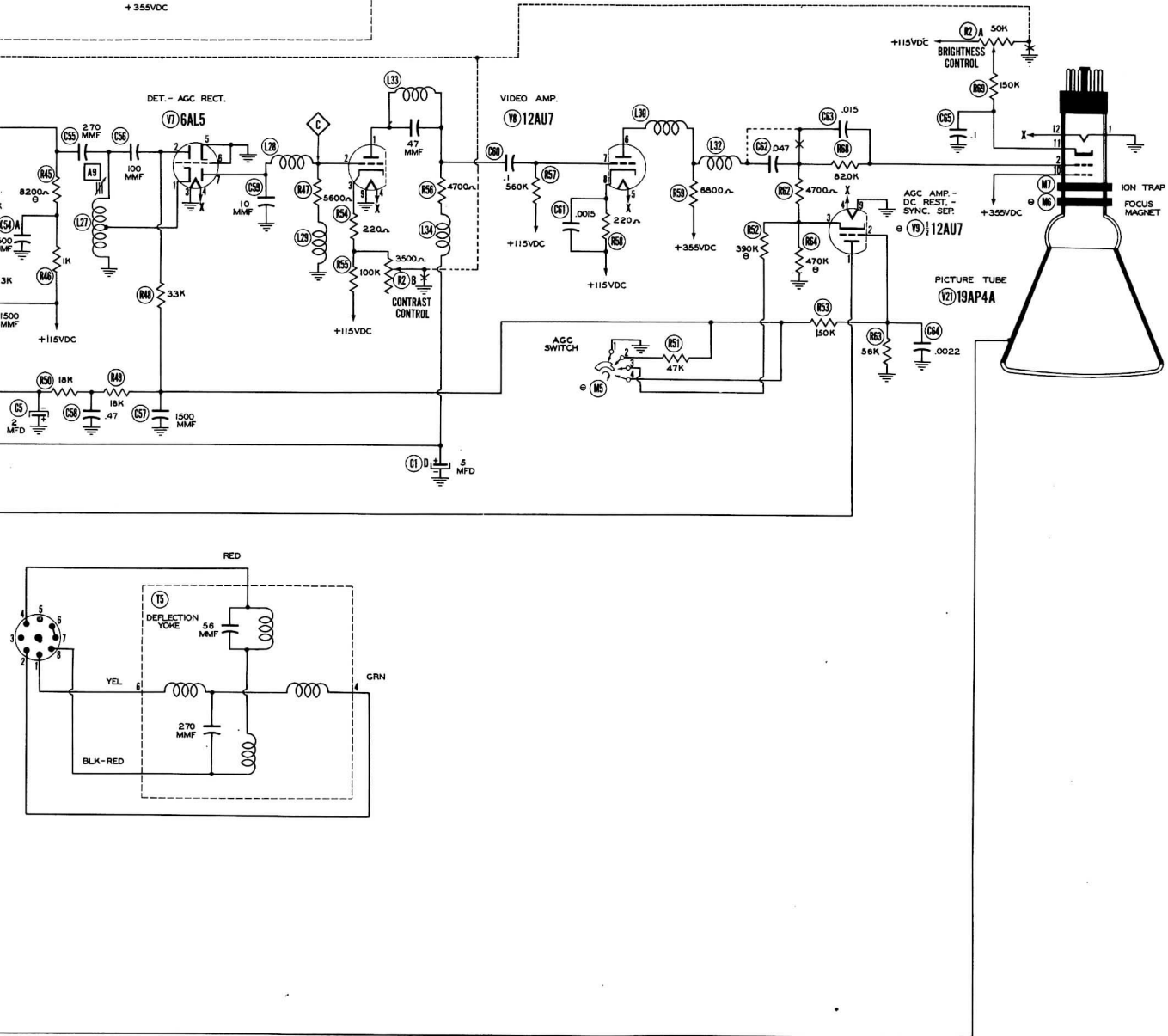
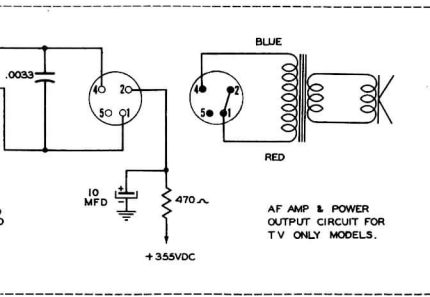
THE COOPERATION OF THE MANUFACTURER OF THIS RECEIVER MAKES IT POSSIBLE TO BRING YOU THIS SERVICE



A PHOTOFAC STANDARD NOTATION SCHEMATIC
©Howard W. Sams & Co., Inc. 1951

DOTTED IN PARTS ARE NOT USED IN ALL MODELS. WHEN DOTTED IN PARTS ARE USED POINTS MARKED X ARE BROKEN.

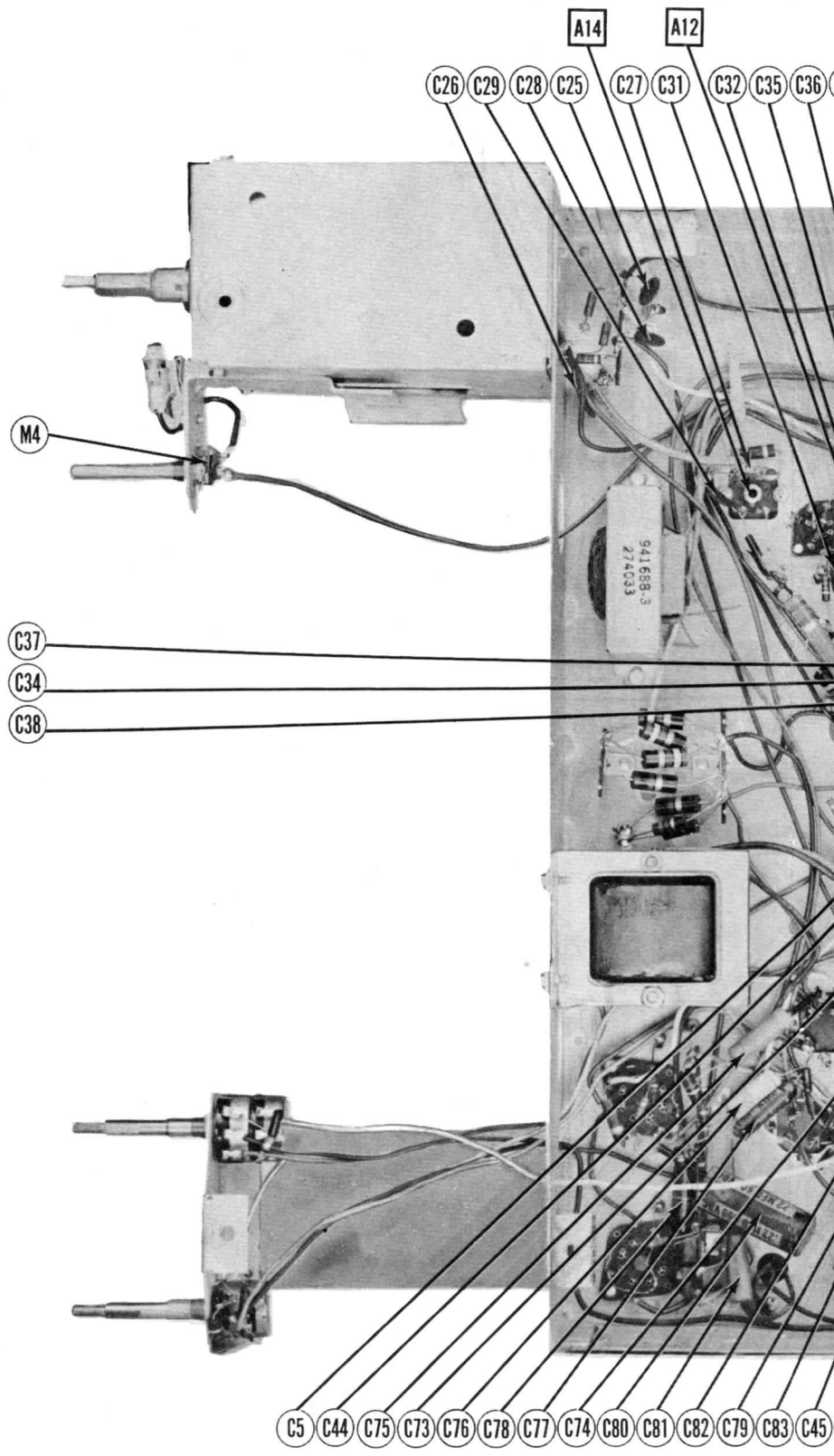
SEE PARTS LIST FOR ALTERNATE VALUE OR APPLICATION



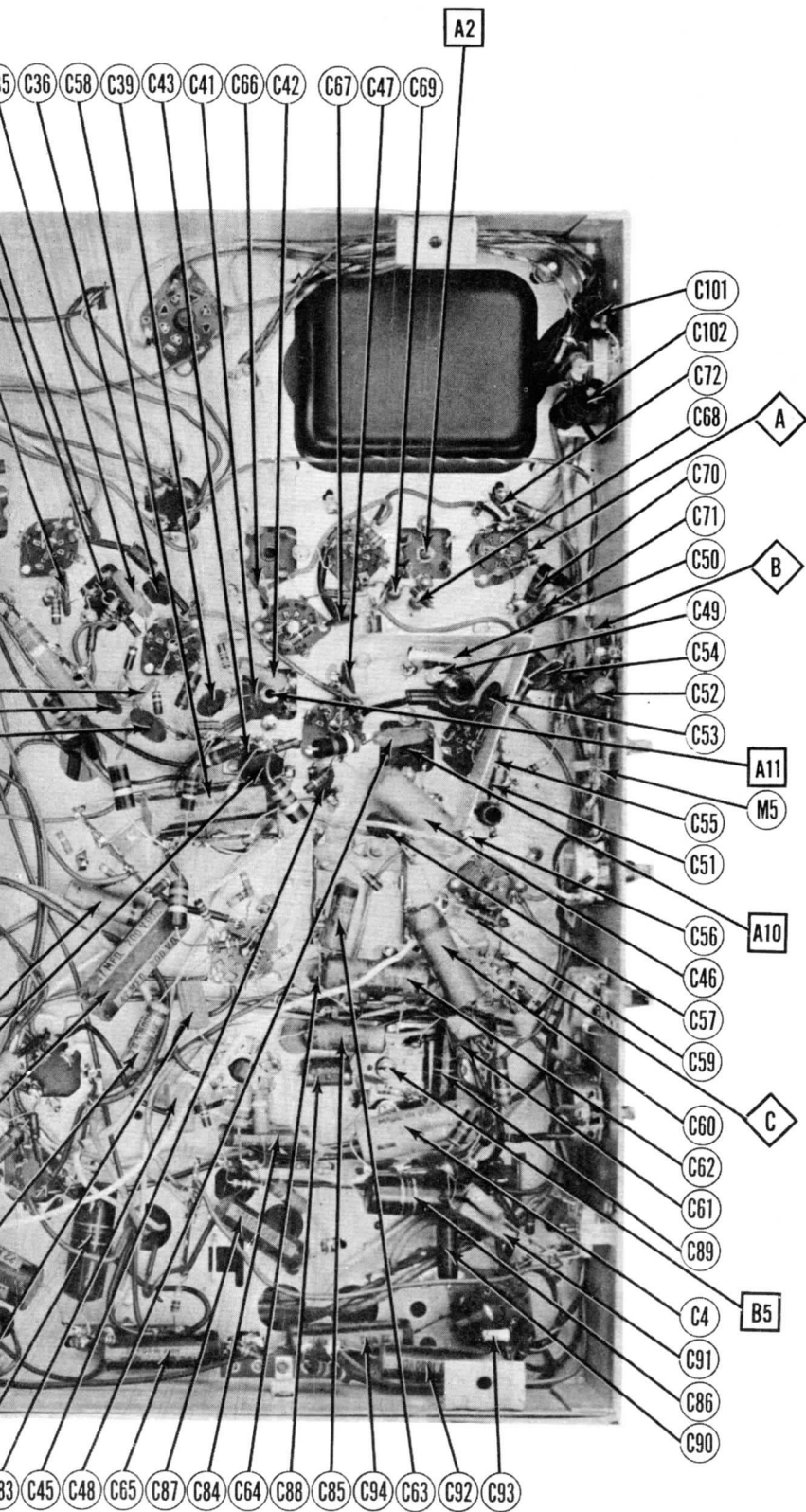
SCHEMATIC - CHASSIS KCS49, A, KCS60

RCA VICTOR MODELS 9T57, 9T77, 9T79 (Ch. KCS49, A, AT, T), 9T89 (Ch. KCS60, A, AT, T)

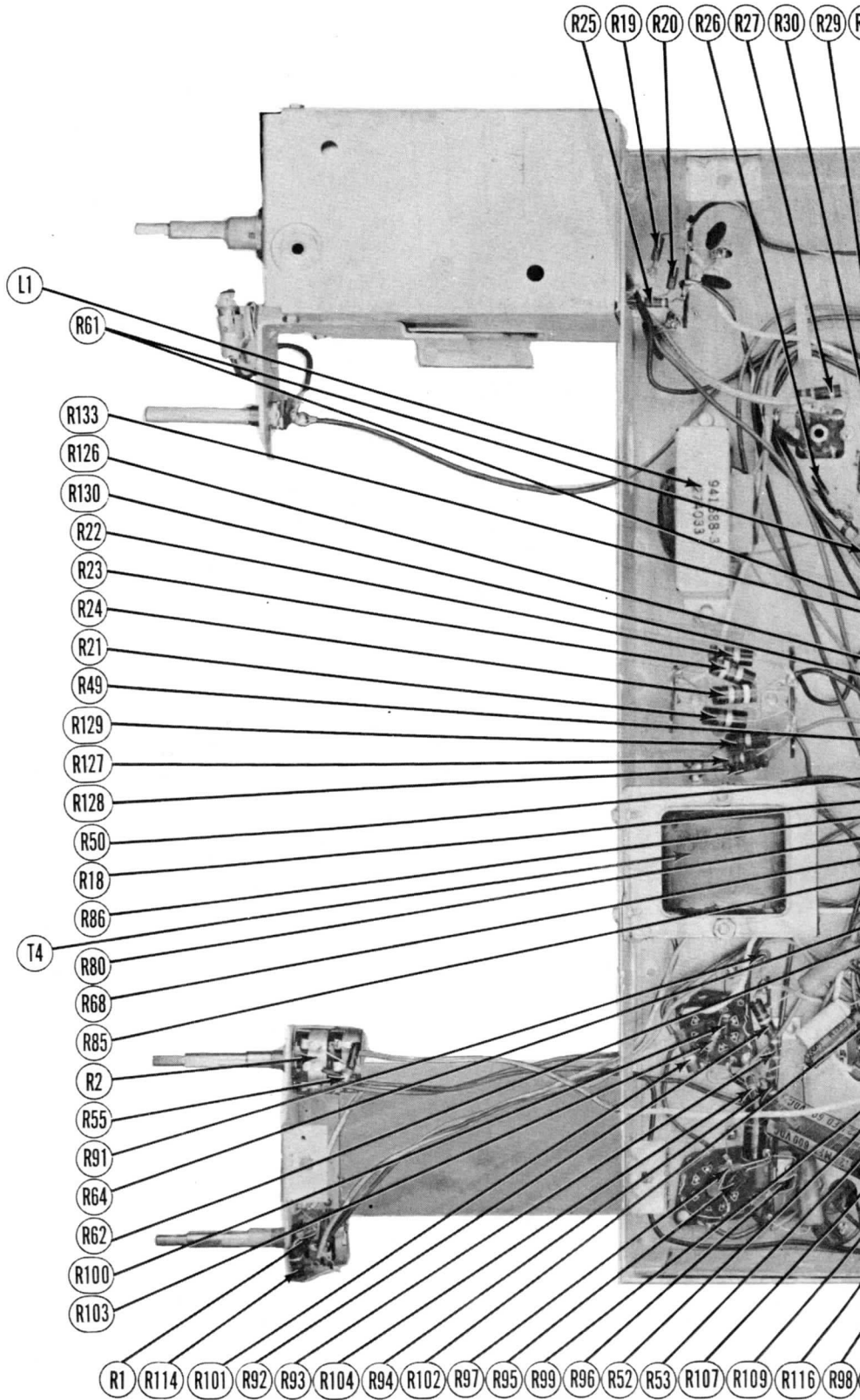
RCA VICTOR MODELS 9T57, 9T77, 9T79 (Ch. KCS49, A, AT, T), 9T89 (Ch. KCS60, A, AT, T)



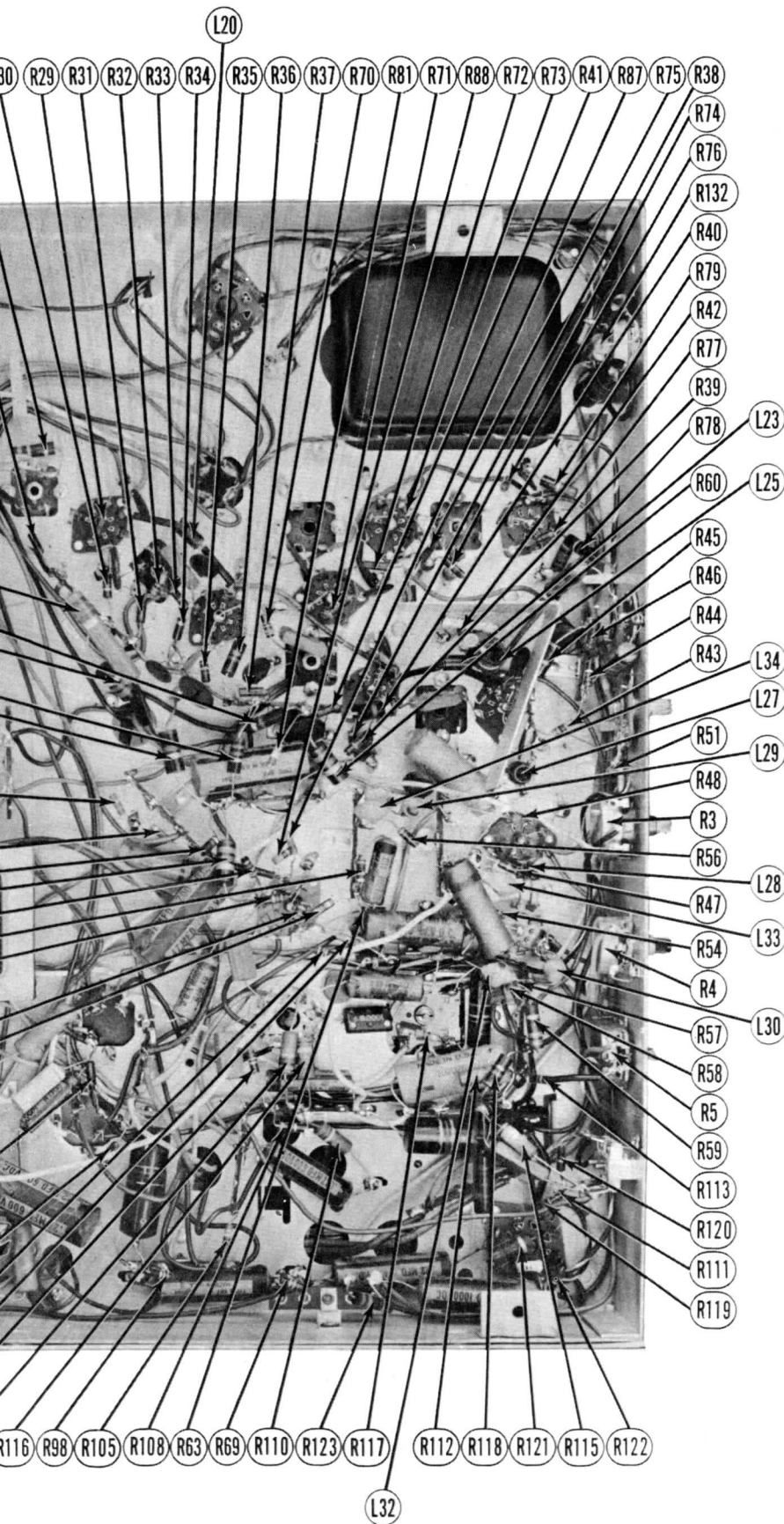
CHASSIS BOTTOM VIEW-CAPACITOR



COMPONENT AND ALIGNMENT IDENTIFICATION

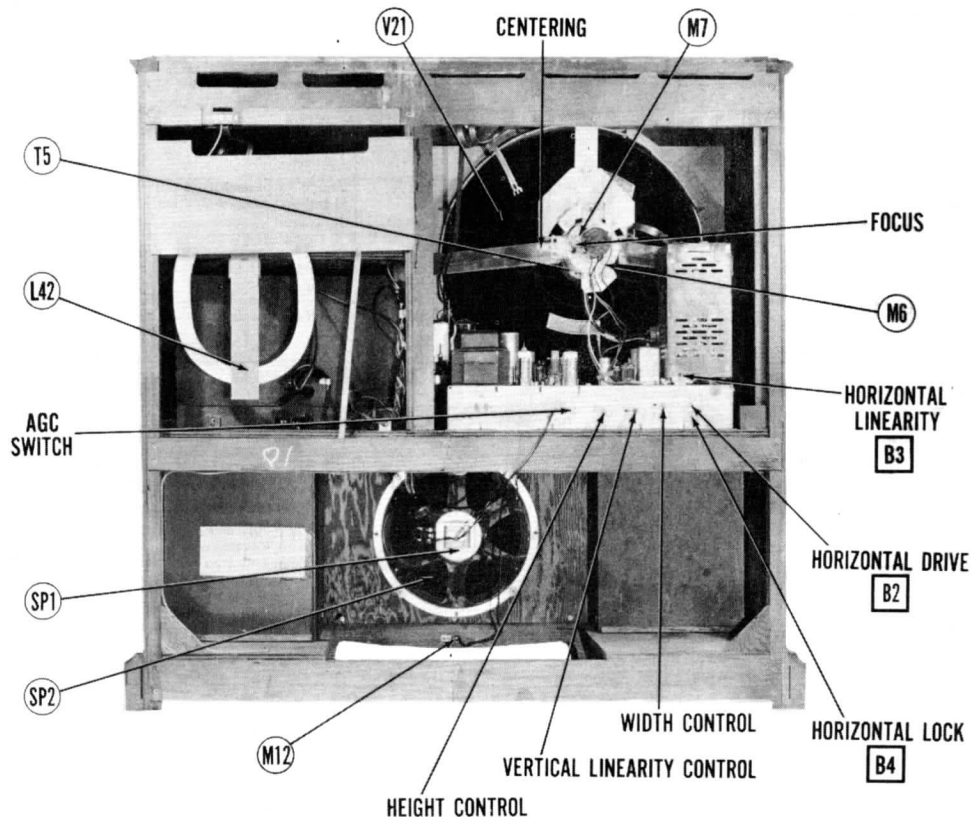


CHASSIS BOTTOM VIEW-RESISTOR A



RCA VICTOR MODELS 9T57, 9T77,
 9T79 (Ch. KCS49, A, AT, T), 9T89 (Ch. KCS60, A, AT, T)

R AND INDUCTOR IDENTIFICATION



CABINET-REAR VIEW MISCELLANEOUS ADJUSTMENTS

HORIZONTAL SWEEP CIRCUIT ADJUSTMENT

Connect a short between terminals C and D of L37.

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

Turn the horizontal hold control to maximum clockwise and adjust the horizontal frequency slug (B1) until the blanking signal appears as a single vertical line in the picture.

Turn the hold control 1/4 turn counter-clockwise to synchronize the picture.

Adjust the horizontal drive trimmer (B2) clockwise as far as possible without crowding the right side of the picture.

Adjust the width control until picture is of proper width.

Adjust the horizontal linearity slug (B3) until the picture is symmetrical from left to right, slight readjustment of B2 may be required for optimum results.

Turn the hold control fully counter-clockwise and interrupt the signal by switching to another channel and back again.

Turn the hold control clockwise and note the least number of bars present just before the picture pulls into synchronization.

Adjust the horizontal locking trimmer (B4) until 7 to 9 bars are present just before pull in.

HORIZONTAL WAVEFORM ADJUSTMENT

Remove the short from terminals C and D of L37.

Turn the horizontal hold control fully clockwise and adjust the waveform slug (B5) until the blanking signal appears as a single vertical line in the raster.

Turn the hold control 1/4 turn counter-clockwise to synchronize the picture.

Connect the vertical input of an oscilloscope to terminal C of L37.

Adjust the horizontal waveform slug (B5) until the broad and narrow peaks of the waveform are of equal height as shown in figure 9. If necessary during adjustment of B5 turn the hold control to keep the picture in synchronization.

Turn the hold control to maximum counter-clockwise and momentarily remove the signal. Adjust B4 until two bars are present just before the picture pulls into synchronization as the hold control is turned clockwise.

Turn the hold control to maximum clockwise and adjust B1 until the blanking bar appears in the raster.

Turn the hold control 1/4 turn counter-clockwise to synchronize the picture.

AGC SWITCH ADJUSTMENT

In a strong signal area the normal position of the switch is counter-clockwise. If interference of the impulse type is encountered turn the switch to the center position. In very weak signal areas, turn the switch clockwise.

FM TRAP ADJUSTMENT

If interference is encountered from a strong FM station signal it may be possible to eliminate it by adjusting A38. Adjust A38 for minimum interference in the picture.

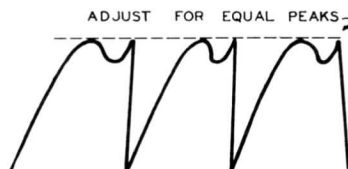


FIG. 9

TV ALIGNMENT INSTRUCTIONS

ALIGNMENT INSTRUCTIONS—READ CAREFULLY BEFORE ATTEMPTING ALIGNMENT

The high voltage shock hazard may be eliminated by removing the horizontal oscillator tube (V16) from its socket. The plug on the focus and deflection assembly must be in place to operate the set. Remove the converter tube (V2) and replace it with a 6J6 which has pin 1 removed. This will disable the local oscillator and prevent erroneous indications.

SOUND IF ALIGNMENT USING AM SIGNAL GENERATOR AND VTVM

DUMMY ANTENNA	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	CHANNEL	CONNECT VTVM	ADJUST	REMARKS
1. .001MFD	High side to pin 1 (Grid) of 6AU6 (V11). Low side to chassis.	21MC (Unmod.)	Any	DC Probe thru 1 Meg. to Point A Common to chassis.	A1	Detune A2 to maximum counter clockwise. Adjust A1 for maximum deflection.
2. .001MFD	"	"	"	DC Probe to Point B Common to chassis.	A2	Adjust for zero reading. A positive and negative reading will be obtained on either side of the correct setting.
3. .001MFD	High side to pin 1 (Grid) of 6AU6 (V10). Low side to chassis.	"	"	DC Probe thru 1 Meg. to Point C Common to chassis.	A3	Adjust for maximum deflection.

SOUND IF ALIGNMENT USING FM SIGNAL GENERATOR AND OSCILLOSCOPE

Use frequency modulated signal with 60% modulation and 450KC sweep. Use 120% sawtooth voltage in scope for horizontal deflection.

DUMMY ANTENNA	SWEEP GENERATOR COUPLING	SWEEP GENERATOR FREQUENCY	MARKER GENERATOR FREQUENCY	CHANNEL	CONNECT SCOPE	ADJUST	REMARKS
1. .001MFD	High side to pin 1 (Grid) of 6AU6 (V10). Low side to chassis.	21MC (450KC SWP)	21MC	Any	Vert. Amp. to Point A. Low side to chassis.	A1, A3	Adjust for maximum amplitude and symmetry as per figure 1.
2. .001MFD	"	"	"	"	Vert. Amp. to Point B. Low side to chassis.	A2	Adjust A2 so 21MC occurs at center of crossover lines as per figure 2. SLIGHTLY retouch A1 for maximum amplitude and straightness of crossover lines. Continue with step 4.

VIDEO IF ALIGNMENT

Connect the negative lead of a 3 volt battery to the junction of R25 and R26, connect the positive lead to chassis.
 * NOTE: In later productions, receivers where R40 is 1800Ω, R45 is 18KΩ and L26 has been added, the frequencies to which A9 and A10 are tuned have been reversed. In those receivers, A9 is tuned to 24.35MC, and A10 is tuned to 22.5MC.

DUMMY ANTENNA	SWEEP GENERATOR COUPLING	SWEEP GENERATOR FREQUENCY	MARKER GENERATOR FREQUENCY	CHANNEL	CONNECT SCOPE	ADJUST	REMARKS
4. Direct	High side to ungrounded tube shield floating over dummy converter tube (V2). Low side to chassis.	Not used	21MC	Any	Use VTVM DC Probe to Point C Common to chassis.	A4, A5	Adjust for MINIMUM deflection.
5. Direct	"	"	27MC	"	"	A6, A7	"
6. Direct	"	"	19.5MC	"	"	A8	"
7. Direct	"	"	* 22.5MC	"	"	A9	Adjust for maximum deflection. See note above.
8. Direct	"	"	* 24.35MC	"	"	A10	"
9. Direct	"	"	21.75MC	"	"	A11	"
10. Direct	"	"	25.3MC	"	"	A12	"
11. Direct	"	24MC (10MC SWP)	22.3MC	"	Vert. Amp. to Point C. Low side to chassis.	A13, A14	Connect 330Ω carbon resistors across R33, R36, R40 and R45. Adjust A13 and A14 for response curve similar to figure 3. Remove all 330Ω resistors.
12. Direct	"	"	21.85MC 24.75MC 25.5MC 26.25MC	"	"	"	Check for response curve similar to figure 4. If necessary retouch A9 thru A14 for proper response.

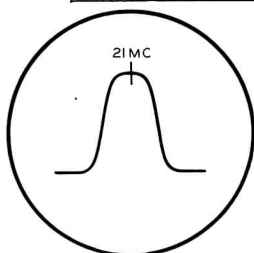


FIG. 1

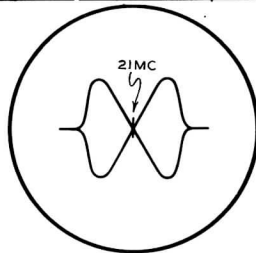


FIG. 2

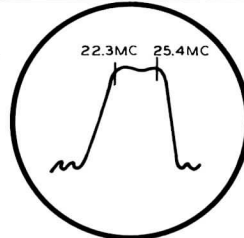


FIG. 3

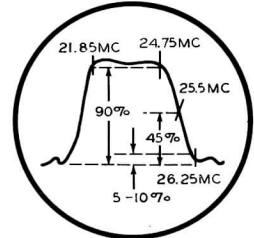


FIG. 4

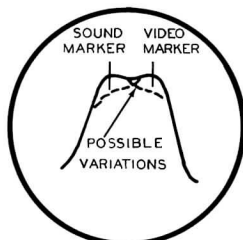


FIG. 5

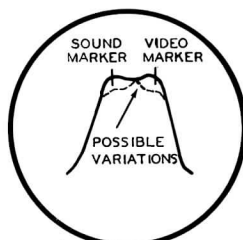
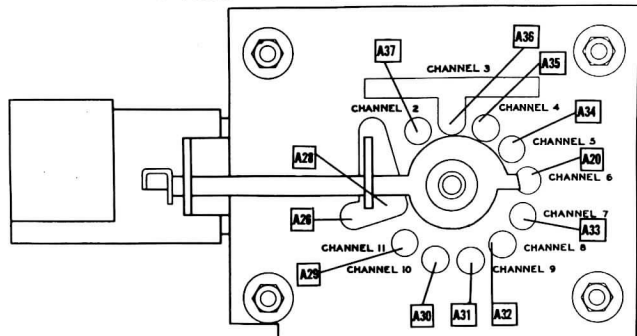


FIG. 6



RF OSCILLATOR ADJUSTMENTS

TV ALIGNMENT INSTRUCTIONS (CONT.)

RF TUNER ALIGNMENT

Remove the dummy converter tube and replace the original 6J6 in its socket.
 Disconnect the co-ax link from terminal 2 of the tuner terminal board and connect a 39Ω carbon resistor across terminals 1 and 2.
 Loosely couple the link to terminal 2 of the terminal board.
 Connect the negative lead of the 3 volt battery to terminal 3 of the terminal strip, connect the positive lead to chassis.
 The sweep generator output lead should be terminated with its characteristic impedance, usually 50 ohms.
 Set the fine tuning control to the mid-position of its range.

DUMMY ANTENNA	SWEEP GENERATOR COUPLING	SWEEP GENERATOR FREQUENCY	MARKER GENERATOR FREQUENCY	CHANNEL	CONNECT SCOPE OR VTVM	ADJUST	REMARKS
13. Two 120Ω carbon res.	Across antenna terminals with 120Ω in each lead.	Not used	215. 75MC	13	VTVM DC Probe to Point B Common to chassis.	A15	Adjust for zero reading. A positive and negative reading will be obtained on either side of the correct setting.
14. "	"	183MC (10MC SWP)	181. 25MC 185. 75MC	8	SCOPE Vert. Amp. to Point D Low side to chassis.	A16, A17, A18, A19	Adjust for response curve with bandwidth shown in figure 5.
15. "	"	Not used	87. 75MC	6	VTVM DC Probe to Point B Common to chassis.	A20	Adjust as in step 13.
16. "	"	85MC (10MC SWP)	83. 25MC 87. 75MC	6	SCOPE Vert. Amp. to Point D Low side to chassis.	A21, A22, A23	Adjust for response similar to figure 6.
17. Connect VTVM to Point D and adjust A24 for -3 volt reading. If necessary slightly retouch A21, A22, A23 and A17 for proper response on channel 6. Repeat these retouching adjustments until proper response is obtained with -3 volt reading at Point D.							
18. Two 120Ω carbon res.	Across antenna terminals with 120Ω in each lead.	Not used	185. 75MC	8	VTVM DC Probe to Point B Common to chassis.	A15	Adjust for zero reading. A positive and negative reading will be obtained on either side of the correct setting.
19. "	"	183MC (10MC SWP)	181. 25MC 185. 75MC	8	SCOPE Vert. Amp. to Point D Low side to chassis.		Readjust A16, A17, and A19 for response curve, frequency and bandwidth shown in figure 5.
20. "	"	213MC (10MC SWP)	211. 25MC 215. 75MC	13	"	A25	Adjust for maximum amplitude of response midway between the markers. Then overshoot the adjustment of turning the slug in the same direction a little more than required for maximum amplitude from the initial setting. Adjust A19 for maximum amplitude.
21. "	"	Not used	215. 75MC	13	VTVM DC Probe to Point B Common to chassis.	A26	Adjust for zero reading as in step 18. Then overshoot the adjustment as in step 20. Adjust A15 to reset the oscillator to the proper frequency.
22. "	"	213MC (10MC SWP) 207MC (10MC SWP) 201MC (10MC SWP) 195MC (10MC SWP) 189MC (10MC SWP) 183MC (10MC SWP) 177MC (10MC SWP)	211. 25MC 215. 75MC 205. 25MC 209. 75MC 199. 25MC 203. 75MC 193. 25MC 197. 75MC 187. 25MC 191. 75MC 181. 25MC 185. 75MC 175. 25MC 179. 75MC	13 12 11 10 9 8 7	SCOPE Vert. Amp. to Point D Low side to chassis.		Check all high band channels for proper response with markers above 80%. If markers do not appear within 80% repeat step 14. If A19 is adjusted, the adjustment should be over shot a small amount and compensated for by adjusting A25 for maximum amplitude between the sound and video markers. If the valley in the top of the curves on the high channels seems deeper than normal adjust A27 to flatten the curve. In later productions A27 may be fixed and will not require adjustment.
23. Check the oscillator frequency for the high band channels. If the oscillator is off frequency, overshoot the adjustment of A15 and compensate for it by adjusting A26 for zero voltage at Point B.							
24. Repeat step 15.							
25. Two 120Ω carbon res.	Across antenna terminals with 120Ω in each lead.	85MC (10MC SWP)	83. 25MC 87. 75MC	6	SCOPE Vert. Amp. to Point D Low side to chassis.		Check for response curve similar to figure 6. If necessary retouch A21, A22, and A23 for proper response.
26. Check the voltage at Point D. If necessary adjust A24 for -3 volt reading. If A24 is adjusted, turn channel selector to channel 8 and readjust A16 for proper response.							
27. Two 120Ω carbon res.	Across antenna terminals with 120Ω in each lead.	85MC (10MC SWP)	83. 25MC 87. 75MC	6	SCOPE Vert. Amp. to Point D Low side to chassis.		Check all low band channels for response similar to figure 6, and the injection voltage at Point D which should be -3 volts. Also recheck channels 7 thru 13.
28. "	"	Not used	215. 75MC	13	VTVM DC Probe to Point B Common to chassis.		If necessary adjust A15 for zero voltage as in step 13.
29. "	"	"	209. 75MC 203. 75MC 197. 75MC 191. 75MC 185. 75MC 179. 75MC 87. 75MC 81. 75MC 71. 75MC 65. 75MC 59. 75MC	12 11 10 9 8 7 6 5 4 3 2	"	A28 A29 A30 A31 A32 A33 A34 A35 A36 A37	Adjust for zero reading. A positive and negative reading will be obtained on either side of the correct setting.
30. Turn channel switch to channel 8 and adjust A24 for proper response. When A24 is properly adjusted the curve will be slightly wider with a slightly deeper valley at the top. Check all channel for: (1) proper response, (2) oscillator injection voltage at Point D, and (3) oscillator frequency. Make slight touch up adjustments, if necessary. If A16 and A24 are changed considerably, retouch the oscillator frequency on all channels.							
31. Disconnect the 39Ω resistor from terminals 1 and 2 on the terminal strip and reconnect the co-ax link. Repeat steps 11 and 12 of Video IF Alignment.							

9179 (Ch. KCS49, A, AT, T), 9189 (Ch. KCS60, A, AT, T)

RCA VICTOR MODELS 9157, 9177,

RADIO ALIGNMENT INSTRUCTIONS

ALIGNMENT INSTRUCTIONS—READ CAREFULLY BEFORE ATTEMPTING ALIGNMENT

Remove the plastic radio cover containing the dial scale and 45RPM record player.
 Turn the tuning gang fully closed. Set the dial pointer to the calibration mark near the left hand end of the dial backplate.
 Replace the plastic cover.

AM ALIGNMENT

Any adjusting done on the 455KC IF's will necessitate alignment of the 10.7MC FM IF's.
 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.
 Alternate loading of the IF transformers is used.
 Connect 47K Ω resistor across the primary of each transformer while the secondary of the same transformer is being adjusted.
 During secondary adjustment move the 47K Ω resistor to across the primary.

DUMMY ANTENNA	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	BAND SWITCH POS.	RADIO DIAL SETTING	OUTPUT METER	ADJUST	REMARKS
32. .1MFD	High side to stator on center "AM" section of tuning gang. Low side to chassis.	455KC (400 ν Mod.)	AM (third position CW)	Tuning gang fully closed	Across voice coil	A39, A40, A41, A42	Adjust in the order given for maximum output. Then adjust in reverse order using alternate loading as described above.
33.	Loop	1620KC	"	Tuning gang fully open	"	A43	Fashion loop of several turns of wire and radiate signal into loop of receiver. Adjust for maximum output.
34.	Loop	1400KC	"	Tune for max. output.	"	A44, A45	"
35.	Loop	600KC	"	600KC	"	A46, A47	Connect a 10K Ω resistor across the center "AM" section of tuning gang. Rock tuning gang while adjusting A46 for maximum output. Remove 10K Ω resistor and adjust A47 while rocking tuning gang. Repeat steps 34 and 35 until no further improvement can be made.

FM IF ALIGNMENT USING AM SIGNAL GENERATOR AND VTVM

Connect two matched 100K Ω (\pm 1%) resistors in series from point E to chassis. The junction of these two resistors is alignment point G as shown on the schematic.
 Alternate loading is used on all FM transformers except the discriminator transformer L36. Connect a 680 ohm resistor across the primary of each transformer while the secondary of the same transformer is being adjusting. During primary adjustment move the 680 ohm resistor to across the secondary.

DUMMY ANTENNA	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	BAND SWITCH POS.	RADIO DIAL SETTING	CONNECT VTVM	ADJUST	REMARKS
36. .01MFD	High side to pin 1 (Grid) of 6AU6 (V24). Low side to chassis.	10.7MC (Unmod.)	FM (fourth position CW)	Tuning gang fully open	DC Probe to Point E. Common to chassis.	A48	Adjust for maximum deflection.
37. .01MFD	"	"	"	"	DC Probe to Point F. Common to Point G.	A49	Adjust for zero reading. A positive and negative reading will be obtained on either side of the correct setting.
38. 470 Ω carbon res.	High side to stator on center of "FM" section of tuning gang. Low side to chassis.	"	"	"	DC Probe to Point E. Common to chassis.	A50, A51, A52, A53	Adjust for maximum deflection. Use alternate loading as described above.

FM IF ALIGNMENT USING FM SIGNAL GENERATOR AND OSCILLOSCOPE

Use frequency modulated signal with 60% modulation and 450KC sweep. Use 120 ν sawtooth voltage in scope for horizontal deflection.

DUMMY ANTENNA	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	BAND SWITCH POS.	RADIO DIAL SETTING	CONNECT SCOPE	ADJUST	REMARKS
36. .01MFD	High side to pin 1 (Grid) of 6BA6 (V24). Low side to chassis.	10.7MC (450KC SWP)	FM (fourth position CW)	Point of non-interference	Vert. Amp. to Point E. Low side to chassis.	A48, A50, A51	Disconnect stabilizer capacitor C106. Adjust for maximum amplitude and symmetry as per figure 7.
37. .01MFD	High side to pin 5 (Grid) of 6J6 (V23). Low side to chassis.	"	"	"	"	A52, A53	"
38. .01MFD	"	"	"	"	Vert. Amp. to Point E. Low side to chassis.	A49	Reconnect capacitor C106. Adjust A49 so 10.7MC occurs at center of crossover lines as per figure 8. SLIGHTLY retouch A48 for maximum amplitude and straightness of crossover lines.

FM RF ALIGNMENT

DUMMY ANTENNA	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	BAND SWITCH POS.	RADIO DIAL SETTING	CONNECT VTVM	ADJUST	REMARKS
39. Two 120 Ω carbon res.	Across FM antenna terminals with 120 Ω in each lead.	90MC (Unmod.)	FM	90MC	DC Probe to Point E. Common to chassis.	A54	Expand or compress coil turns for maximum deflection.
40. "	"	106MC	"	Tune for max. deflection.	"	A55, A56	Adjust for maximum deflection.
41. "	"	90MC	"	"	"	A57, A58	Expand or compress coil turns for maximum deflection.

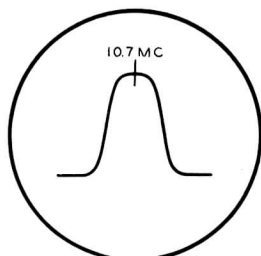


FIG. 7

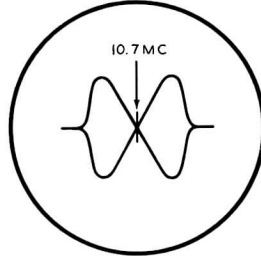
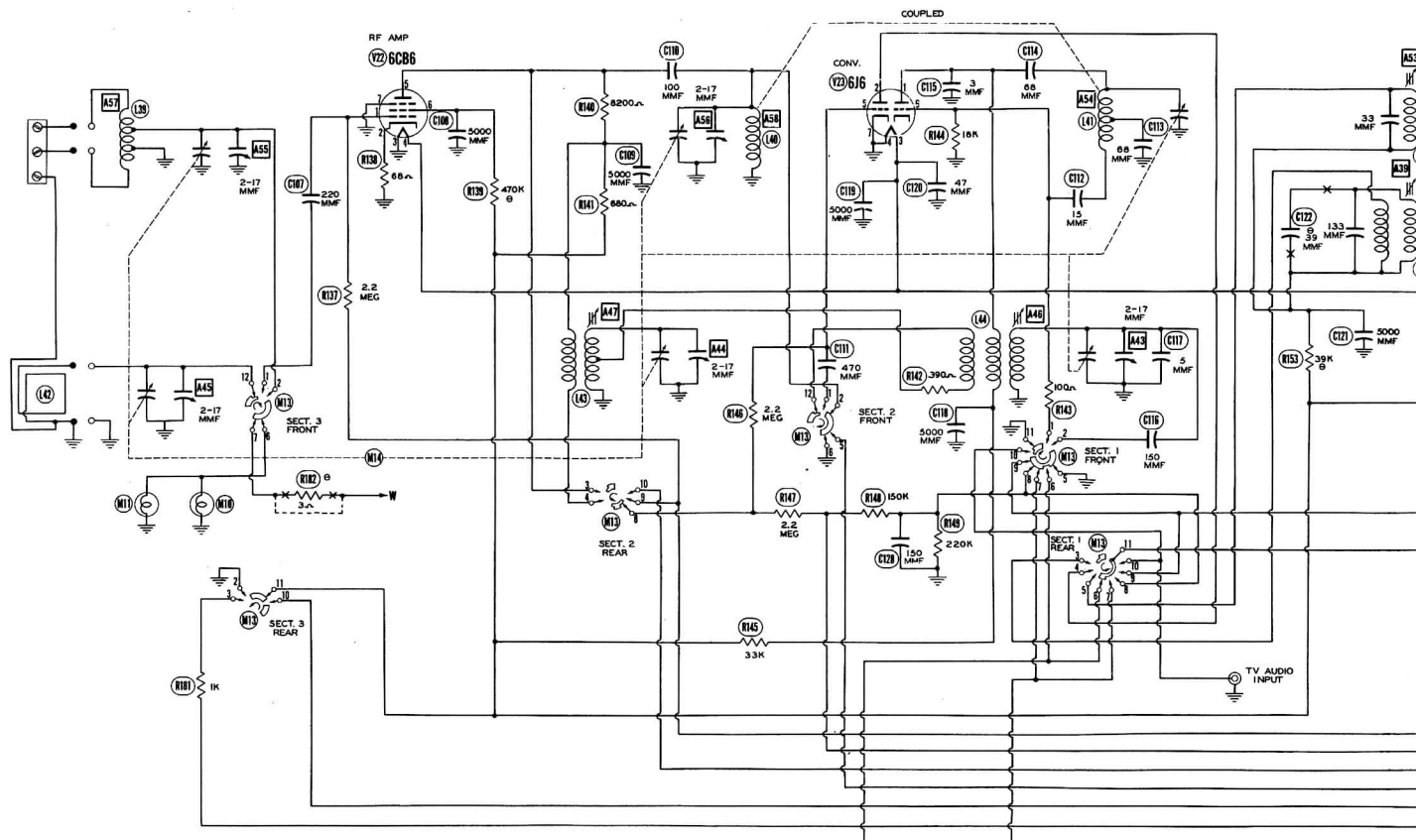
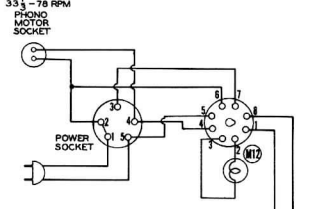
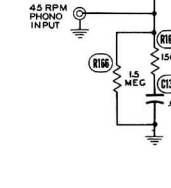
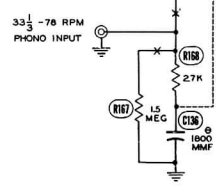


FIG. 8



IF = 455 KC AM
IF = 10.7 MC FM

- FUNCTION SW SHOWN IN
PHONO 33 1/3 - 78 RPM POSITION
- SWITCH SEQUENCE
- 1 - PHONO 33 1/3 - 78 RPM
 - 2 - PHONO 45 RPM
 - 3 - AM
 - 4 - FM
 - 5 - TV



VOLTAGE READINGS

Item	Tube	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8
V23	6CB6	0V	0V	0V	6.3VAC	215VDC	200VDC	0V	
V23	6B8	150VDC	1105VDC	80VDC	6.3VAC	0V	-1.3VDC	+1.3, 3VDC	0V
V24	6BA6	1-1VDC	-1.3VDC	0V	6.3VAC	0V	200VDC	110VDC	1VDC
V25	6AU6	0V	0V	0V	6.3VAC	180VDC	130VDC	1.2VDC	
V26	6AL5	1-1VDC	1-1.8VDC	6.3VAC	0V	1-4VDC	0V	1-4VDC	
V27	6AV8	-4VDC	0V	6.3VAC	0V	-2VDC	+3VDC	85VDC	
V28	6C4	80VDC	0V	6.3VAC	0V	80VDC	-15VDC	-12VDC	
V29	6V6GT	0V	0V	285VDC	215VDC	-6.4VDC	-18VDC	6.3VAC	0V
V30	6V8GT	0V	0V	285VDC	215VDC	-6.2VDC	-18VDC	6.3VAC	0V
V31	5Y3GT	0V	280VDC	1	280VAC	1	280VAC	1	280VDC

† TAKEN WITH VACUUM TUBE VOLTMETER
‡ 117VAC ACROSS PINS 3, 5, 7 OR V31

RESISTANCE READINGS

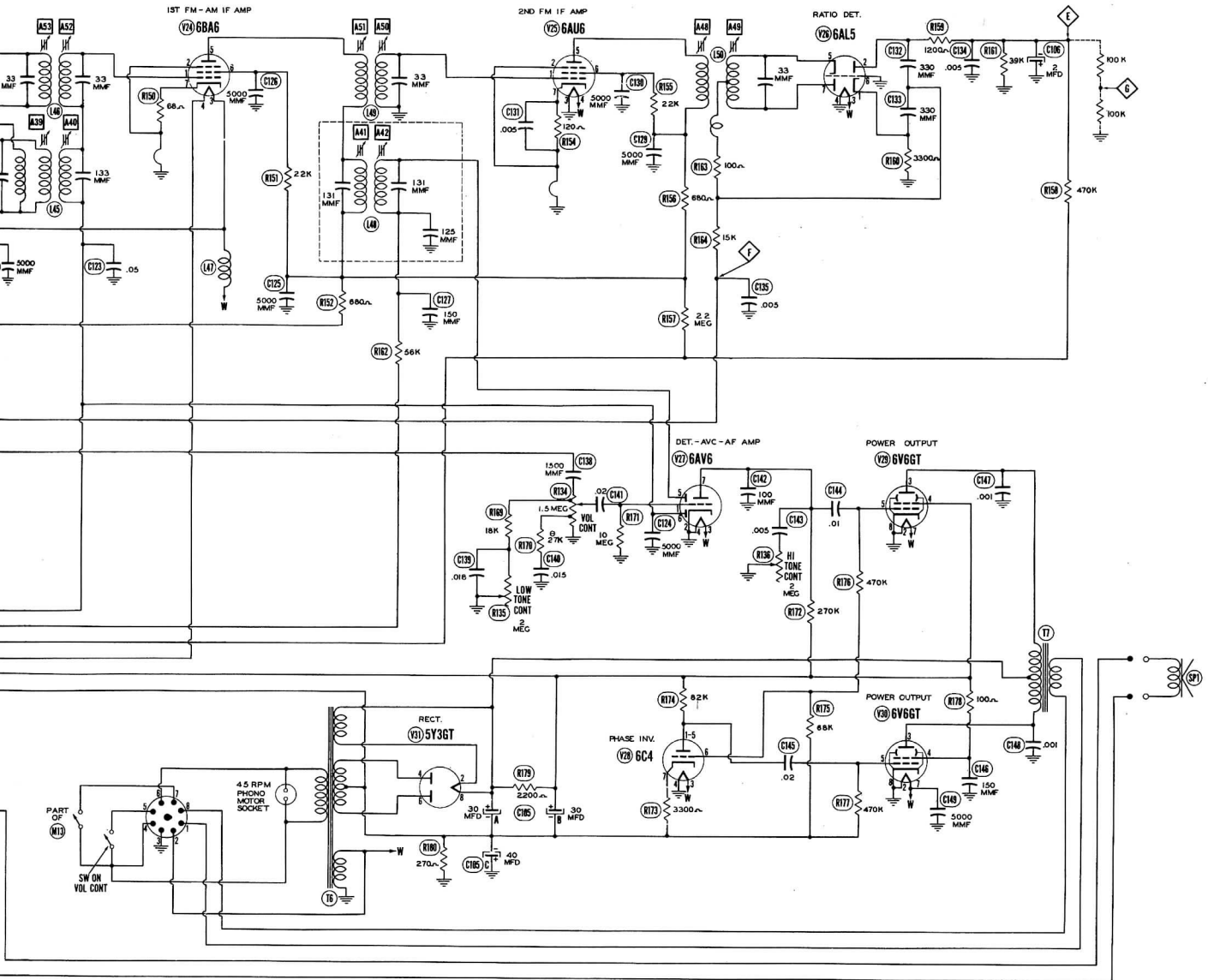
Item	Tube	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8
V22	6CB6	12.7 Meg.				112KΩ	+2.9KΩ	+470KΩ	0Ω
V23	6B8	+4.8 Meg.	68Ω	0Ω	.10				
V23	6B8	+50KΩ	+40KΩ	.10	0Ω	4.7 Meg.	18KΩ	0Ω	
V24	6BA6	110KΩ	0Ω	.10	0Ω	+2.7KΩ	+35KΩ	68Ω	
V24	6BA6	+2.5 Meg.	0Ω	.10	0Ω	+2.7KΩ	+35KΩ	68Ω	
V25	6AU6	.40	0Ω	0Ω	.10	+3.8KΩ	+35KΩ	120Ω	
V26	6AL5	3.3KΩ	49KΩ	.10	0Ω	† Inf.	0Ω	† Inf.	
V27	6AV8	10 Meg.	0Ω	.10	0Ω	+43KΩ	150KΩ	0Ω	
V28	6C4	+9.6KΩ	Inf.	.10	0Ω	+8.6KΩ	88KΩ	3.6KΩ	
V29	6V6GT	0Ω	0Ω	+950Ω	+2.3KΩ	540KΩ	270Ω	.10	0Ω
V30	6V8GT	0Ω	0Ω	+250Ω	+2.3KΩ	470KΩ	270Ω	.10	0Ω
V31	5Y3GT	Inf.	40KΩ	Inf.	500Ω	Inf.	500Ω	Inf.	40KΩ

† TAKEN IN FM POSITION
‡ TAKEN IN AM POSITION
* MEASURED FROM PIN 8 OF V31

DOTTED IN PARTS ARE NOT USED IN ALL MODELS. WHEN DOTTED IN PARTS ARE USED POINTS MARKED X ARE BROKEN.

A PHOTOFACT STANDARD NOTATION SCHEMATIC
© Howard W. Sams & Co., Inc. 1951

THE COOPERATION OF THE MANUFACTURER OF THIS RECEIVER MAKES IT POSSIBLE TO BRING YOU THIS SERVICE



SEE PARTS LIST FOR ALTERNATE VALUE OR APPLICATION

RCA VICTOR MODELS 9T57, 9T77,
 9T79 (Ch. KCS49, A, AT, T), 9T89 (Ch. KCS60, A, AT, T)

TV PARTS LIST AND DESCRIPTIONS

TUBES (SYLVANIA or Equivalent)

ITEM No.	USE	REPLACEMENT DATA		RMA BASE TYPE	NOTES
		RCA PART No.	STANDARD REPLACEMENT		
V1	RF Amp.	6CB6	6CB6	6CK	
V2	Converter	6J6	6J6	7BF	
V3	1st Video IF	6AU6	6AU6	7BK	
V4	2nd Video IF	6CB6	6CB6	6CK	
V5	3rd Video IF	6AU6	6AU6	7BK	
V6	4th Video IF	6CB6	6CB6	6CK	
V7	DET. -AGC Rect.	6AL5	6AL5	6BT	
V8	Video Amp.	12AU7	12AU7	9A	
V9A	AGC Amp. -DC Rest. -Sync. Sep. - Sync. Amp.	12AU7	12AU7	9A	
B	AGC Amp. -DC Rest. -Sync. Sep.	12AU7	12AU7	9A	
V10	Sound IF Amp.	6AU6	6AU6	7BK	
V11	Limiter	6AU6	6AU6	7BK	
V12	Sound Discr.	6AL5	6AL5	6BT	
V13	Bias Clamp.	6AV6	6AV6	7BT	In Ch. KCS49, A, AT, T, V13 is used as bias clamper and AF Amp.
V14A	Vert. Osc. -AGC Clamp.	6SN7GT	6SN7GT	8BD	Chassis KCS60
B	Sync. Amp. -Vert. Osc.	6SN7GT	6SN7GT	8BD	Chassis KCS49AT, T, 60T
C	Vert. Osc.	6J5	6J5	6Q	Used in chassis KCS49, KCS49A
V15	Vert. Output	6K6GT	6K6GT	7S	
V16	Hor. AVC -Hor. Osc.	6SN7GT	6SN7GT	8BD	
V17	Hor. Output	6BG6G	6BG6G	5BT	
V18	Damper	6W4GT	6W4GT	4CG	
V19	HV Rect.	1B3GT	1B3GT	3C	
V20	LV Rect.	5U4G	5U4G	5T	
V21	Picture Tube	19AP4A	19AP4A	12D	

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		REPLACEMENT DATA					IDENTIFICATION CODES AND INSTALLATION NOTES	
	CAP.	VOLT	RCA PART No.	AEROVOX PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	ERIE PART No.		SPRAGUE PART No.
C1A	35	450	75510	AFH7721J		UPT420		TVL-3785	Filter
B	35	450						TVA-1702	Filter
C	10	450							Hor. AFC Plate Dec.
D	5	450							V. Amp. Dec.
C2A	35	450	75510	AFH7721J		UPT420		TVL-3785	Filter
B	35	450						TVA-1702	Filter
C	10	450							Filter
D	5	450							Filter
C3A	20	450	75592	AFH4J16E10B		UPT420		TVA-3709	Decoupling
B	80	200							Vert. Output Dec.
C	50	50							Filter
C4	5	450	28417	PRS450/4		BR445		TVA-1702	Vert. Output Cath.
C5	2	50	73747	E26F3		BBR2-50T		TVA-1301	Decoupling
C6	100		75437	SI100	D6-101		GPIK-100	19C11	AGC Filter
C7	39		75450		TCZ-39		NPOL-39		RF Coupling
C8	270		75199	SI270	D6-271		GP2K-270	19C31	Fixed Trimmer
C9	5000		73473	BPD-005	DD-502		811-005	29C1	RF Coupling
C10A	1500		75089		DD-2-152		812-2 x 0015	29C6	AGC Filter
B	1500								RF Amp. Screen
C11	12		75200	SI12	TCZ-12		GPIK-12	19C22	RF Amp. Fil.
C12	270		75199	SI270	D6-271		GP2K-270	19C31	RF Amp. Cath.
C13	270		75199	SI270	D6-271		GP2K-270	19C31	RF Coupling
C14	390		75641	SI390	D6-391		GP2K-390	19C31	RF Coupling
C15	4		75289				NPOK-4		RF Coupling
C16	15		45465		TCZ-15		NPOK-15	19C5	Fixed Trimmer
C17	39		75196		TCN-39		N750L-39		Osc. Feedback
C18	.68		71504		TCZ-.68				Osc. Grid Cap.
C19	1500		75166						Fixed Trimmer
C20	1500		73748	BPD-0015	DD-152		801-0015	29C8	Conv. Decoupling
C21	1500		75166						Conv. Filament
C22	1500		75166						Filament Bypass
C23	1500		75166						RF Bypass
C24	6.8		75197	SI6.8NPO	TCZ-6.8		NPOK-6.8		RF Bypass
C25A	1500		75089		DD-2-152		812-2 x 0015	29C6	Fixed Trimmer
B	1500								RF Bypass
C26	10000		73960	BPD-01	DD-103		821-01	36C1	RF Bypass
C27	56		71924		TCN-56		N750L-56		AGC Filter †
C28	1500		73748	BPD-0015	DD-152	1W5D15	801-0015	29C8	Fixed Trimmer
C29	1500		73748	BPD-0015	DD-152	1W5D15	801-0015	29C8	AGC Filter
C30	82				TCZ-82		NPOM-82		AGC Filter
C31A	10000		73960	BPD-01	DD-3-103	PTE6S1	821-01	36C1	Fixed Trimmer
B	10000		73960	BPD-01		PTE6S1	821-01	36C1	1st V. IF Screen *
C32	1500		73748	BPD-0015	DD-152	1W5D15	801-0015	29C8	1st V. IF Plate Dec. *
C33	47				TCZ-47		NPOM-47	29C14	1st V. IF Fil.
C34	1500		73748	BPD-0015	DD-152	1W5D15	801-0015	29C8	Fixed Trimmer
C35	270		73091	1468-00025	D6-271	5W5T25	GP2K-270	1FM-325	RF Bypass
C36A	1500	1000	75089		DD-2-152	1W5D15	812-2 x 0015	29C6	IF Coupling
B	1500					1W5D15			AGC Filter
C37	10000		73960	BPD-01	DD-103	PTE6S1	821-01	36C1	2nd V. IF Fil.
C38	10000		73960	BPD-01	DD-103	PTE6S1	821-01	36C1	2nd V. IF Screen
C39	1500		73748	BPD-0015	DD-152	1W5D15	801-0015	29C8	2nd V. IF Dec.
C40	47				TCZ-47		NPOM-47	29C14	RF Bypass
C41A	1500		75089		DD-2-152	1W5D15	812-2 x 0015	29C6	Fixed Trimmer
B	1500					1W5D15			AGC Filter
C42	270	1000	73091	1468-00025	D6-271	5W5T25	GP2K-270	1FM-325	1st S. IF Grid Filter
C43	1500		73748	BPD-0015	DD-152	1W5D15	801-0015	29C8	IF Coupling
C44	10000		73960	BPD-01	DD-103	PTE6S1	821-01	36C1	RF Bypass
C45	1500		73748	BPD-0015	DD-152	1W5D15	801-0015	29C8	3rd V. IF Plate Dec.
C46	.1	400	73551	P488-1	DF-104	PTE4P1		4TM-P1	3rd V. IF Screen
C47	5000		73478	BPD-005	DD-502	1D5D5	811-005	29C1	3rd V. IF Fil.
C48	270	1000	73091	1468-00025	D6-271	5W5T25	GP2K-270	1FM-325	IF Coupling

TV PARTS LIST AND DESCRIPTIONS (Continued)

CAPACITORS (CONT.)

ITEM No.	RATING		REPLACEMENT DATA					IDENTIFICATION CODES AND INSTALLATION NOTES	
	CAP.	VOLT	RCA PART No.	AEROVOX PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	ERIE PART No.		SPRAGUE PART No.
C49	75			SI75NPO	TCZ-75		NPOM-75		Fixed Trimmer
C50	100		45469	SI100NPO	TCZ-100		NPOM-100	36C10	4th V. IF Cath.
C51	1500		73748	BPD-0015	DD-152	1W5D15	801-0015	29C8	4th V. IF Screen
C52	.047	400	73553	P488-047	DF-503	PTE485		4TM-S47	4th V. IF Screen
C53	5000		73478	BPD-005	DD-502	ID5D5	811-005	29C1	4th V. IF Fil.
C54A	1500		75089	BPD-2 x 0015	DD-2-152	{1W5D15 1W5D15	} 812-2 x 0015	29C6	4th V. IF Plate Dec.
B	1500								
C55	270	1000	73091	1468-00025	D6-271	5W5T25	GP2K-270	1FM-325	RF Bypass
C56	100		39396	SI100	D6-101	5W5T1	GPIK-100	19C11	IF Coupling
C57	1500		73748	BPD-0015	DD-152	1W5D15	801-0015	29C8	AGC Filter
C58	.47	200	73787	P288-47		GT2P5		2TM-P47	AGC Filter
C59	.1		53511	SI10	D6-100	5W5Q1	GPIK-10	19C3	V. Diode Filter
C60	.1	400	73551	P488-1	DF-104	PTE4P1		4TM-P1	Video Coupling
C61	.0015	600	73598	P688-0015	D6-152	PTE6D2	GP2L-0015	6TM-D15	V. Amp. Cath.
C62	.047	600	73592	P688-047	DF-503	PTE6S5		6TM-S47	Video Coupling
C63	.015	400	73797	P488-015		PTE6S15		6TM-S15	Video Coupling
C64	.0022	600	73595	P688-0022	D6-222	PTE6D2	GP2M-0022	6TM-D22	DC Res. -Sync. Sep. Grid.
C65	.1	600	73557	P688-1	DF-104	PTE6P1		6TM-P1	Pic. Tube Cath.
C66	10000		73960	BPD-01	DD-103	PTE6S1	821-01	36C1	1st S. IF Dec.
C67	1500		73748	BPD-0015	DD-152	1W5D15	801-0015	29C8	1st S. IF Cath.
C68	1500		75166	SI1500	D6-152	1W5D15	GP2L-0015	29C8	Limiter Decoupling
C69	1500		75166	SI1500	D6-152	1W5D15	GP2L-0015	29C8	Limiter Screen
C70	270		75244	SI270	D6-271	5W5T25	GP2K-270	19C31	RF Bypass
C71	.001	600	75249	P688-001	D6-102	PTE6D1	GP2L-001	6TM-D1	De-emphasis †
C72	5000		73478	BPD-005	DD-502	ID5D5	811-005	29C1	Discr. Fil.
C73	.47	200	73787	P288-47		GT2P5		2TM-P47	Sync. Amp. Cath.
C74	.01	400	73561	P488-01	D6-103	PTE4S1	821-01	4TM-S1	Vert. Sync. Coupling
C75	.0022	400	73595	P688-0022	D6-222	PTE6D2	GP2M-0022	6TM-D22	Integrator Net.
C76	.0047	600	73920	P688-0047	D6-472	PTE6D5	GP2M-0047	6TM-D47	Integrator Net.
C77	.0047	600	73920	P688-0047	D6-472	PTE6D5	GP2M-0047	6TM-D47	Integrator Net.
C78	.01	600	73594	P688-01	D6-103	PTE6S1	821-01	6TM-S1	Vert. Osc. Grid
C79	.047	1000	73597	P1088-047		PTE16S5		MB-S5	Vert. Discharge
C80	.22	600	74957	684-25		GT6P25		6TM-P25	Vert. Sweep Coupling
C81	.022	400	73562	P488-022	DF-503	PTE4S5		4TM-S47	Fixed Trimmer
C82	82	1000	73090		DF-203	PTE4S2		4TM-S22	Hor. Sync. Coupling
C83	82	1000	73090			GT2P5		2TM-P47	Hor. Feedback
C84	.047	400	73553	P488-047	DF-503	PTE4S5		4TM-S47	AFC Filter
C85	.022	400	73562	P488-022	DF-203	PTE4S2		4TM-S22	AFC Filter
C86	.47	200	73787	P288-47		GT2P5		2TM-P47	AFC Filter
C87	.047	600	73592	P688-047	DF-503	PTE6S5		6TM-S47	Hor. AFC Plate
C88	180	1000	73102						Hor. Osc. Grid
C89	.01	600	73594	P688-01		PTE6S1		6TM-S1	Fixed Trimmer
C90	.001	1000	75643	P1088-001		PTE16D1		MB-D1	Hor. Fischearge
C91	560	500	74250	1469-0005	D6-561	5R5T5	GP2K-560	MS-35	Hor. Sweep Coupling
C92	.047	1000	73597	P1088-047		GT16S5		MB-S5	Hor. Output Screen
C93	100		39396	SI100	D6-101	5W5T1	GPIK-100	19C11	Hor. Output Screen
C94	.22	400	73794	P488-22		GT4P25		4TM-P22	Hor. Output Cath.
C95	.018	1000	74727						Damper Filter †
C96	.018	1000	74727						Damper Filter †
C97	4.7	5000	75646						Fixed Trimmer
C98	500	20000	74154	HV20B	TV1-502				HV Filter §
C99	.047	1000	73597	P1088-047		GT16S5		MB-S5	Fixed Trimmer
C100	.047	1000	73597	P1088-047		GT16S5		MB-S5	Fixed Trimmer
C101	.047	400	75071	P488-047	DF-503	PTE485		4TM-S5	Line Filter
C102	.047	400	75071	P488-047	DF-503	PTE485		4TM-S5	Line Filter
C103	390	500	73904	1469-0004	D6-391	5R5T4	GP2K-390	MS-34	Video Coupling
C104	.0022	600	73595	P688-0022	D6-222	PTE6D2	GP2M-0022	6TM-D22	Sync. Coupling

* Some models use 1500MMF in this application.
 † Not used in all models.
 ‡ Some models use .022MFD in this application.
 § Some models use 250MMF in this application.

CONTROLS

ITEM No.	RATING		REPLACEMENT DATA				INSTALLATION NOTES
	RESISTANCE	WATTS	RCA PART No.	IRC PART No.	CLAROSTAT PART No.	CENTRALAB PART No.	
R1A	1 Meg.	1/2	75215	Concentrikit B11-137 * B11-123 * E-187 *	RTV-65	SBB-510	Vert. hold control-front Horiz. hold control-rear Attach per instr. in "Concentrikit".
B	50KΩ						
C	Shaft End						
R2A	50KΩ	1/2	75216		RTV-191	SBB-511	Brightness control-front Contrast control-rear
B	3500Ω						
R3A	2.5 Meg.	1/2	71440	Q11-239 Not Req.	AM-84-S FKS-1/4	AN-83 AK-1	Height control Attach to R3A per instructions
B	Shaft						
C	Not Req.						
R4A	5000Ω	1/2	71441	Q11-114 Not Req.	AM-19-S FKS-1/4	AN-10 AK-1	Vert. linearity control Attach to R4A per instructions
B	Shaft						
C	Not Req.						
R5A	20KΩ	1/2	75516	Q11-119 Not Req.	AM-36-S FKS-1/4	AN-22 AK-1	Width control Attach to R5A per instructions
B	Shaft						

* Additional parts to be used with "Concentrikit"

RESISTORS

ITEM No.	RATING		REPLACEMENT DATA		IDENTIFICATION CODES
	RESISTANCE	WATTS	RCA PART No.	IRC PART No.	
R6	3900Ω	1/2		BTS-3900	Antenna Coil Shunt
R7	27Ω				RF Amp. Cathode
R8	22KΩ				RF Amp. Screen
R9	3300Ω				RF Amp. Plate
R10	3900Ω				AGC Network
R11	150Ω 20%				AGC Network
R12	100KΩ 20%				Series Test Point
R13	8200Ω				RF Coil Shunt
R14	100KΩ				Mixer Grid
R15	100KΩ				Osc. Grid
R16	10KΩ 20%				Osc. Plate

RCA VICTOR MODELS 9T57, 9T77, 9T79 (Ch. KCS49, A, AT, T), 9T89 (Ch. KCS60, A, AT, T)

RESISTORS (CONT.)

ITEM No.	RATING		REPLACEMENT DATA		IDENTIFICATION CODES
	RESISTANCE	WATTS	RCA PART No.	IRC PART No.	
R17	10KΩ 5%				Converter Transformer Shunt
R18	2.2 Meg.				Voltage Divider
R19	100Ω 20%				Decoupling
R20	100Ω 20%				Decoupling
R21	10KΩ				Voltage Divider
R22	39KΩ				Voltage Divider
R23	39KΩ				Voltage Divider
R24	39KΩ				Voltage Divider
R25	33KΩ				AGC Network
R26	1000Ω 20%				AGC Network
R27	470Ω				1st Video IF Transformer Shunt-See Note 1
R28	10KΩ				1st Video IF Transformer Shunt-See Note 12
R29	120Ω				1st Video Amp. Cathode
R30	33KΩ				1st Video Amp. Screen
R31	1000Ω 20%				Plate Decoupling
R32	1000Ω 20%				AGC Network
R33	8200Ω 5%				2nd Video IF Amp. Grid
R34	120Ω				2nd Video IF Amp. Cathode
R35	47KΩ 20%				2nd Video IF Amp. Screen
R36	12KΩ 5%				2nd Video IF Amp. Plate
R37	1000Ω 20%				2nd Video IF Amp. Decoupling
R38	82Ω				3rd Video IF Amp. Cathode
R39	33KΩ				3rd Video IF Amp. Screen
R40	3900Ω 5%				3rd Video IF Amp. Plate-See Note 6
R41	1000Ω 20%				3rd Video IF Amp. Plate Decoupling
R42	180Ω				4th Video IF Amp. Cathode
R43	1000Ω 20%				4th Video IF Amp. Screen
R44	33KΩ				4th Video IF Amp. Screen Decoupling
R45	8200Ω 5%				4th Video IF Amp. Plate-See Note 7
R46	1000Ω 20%				4th Video IF Amp. Plate Decoupling
R47	5600Ω 5%				Video Detector Diode Load
R48	33KΩ 20%				AGC Rectifier Plate
R48	18KΩ				AGC Network
R50	18KΩ				AGC Network
R51	47KΩ				AGC Network
R52	390KΩ				Voltage Divider-See Note 10
R53	150KΩ				AGC Network
R54	220Ω				Video Amp. Cathode
R55	100KΩ				Voltage Divider
R56	4700Ω 5%				Video Amp. Plate
R57	560KΩ				Video Amp. Grid
R58	220Ω				Video Amp. Cathode
R59	6800Ω				Video Amp. Plate
R60	18KΩ				Video Amp. Decoupling
R61	6800Ω				Decoupling-See Note 2
R62	4700Ω				Isolation-See Note 2
R63	56KΩ				AGC Amp. Grid
R64	470KΩ				AGC Amp. Cathode-See Notes 8, 10 and 12
R65	56KΩ				AGC Amp. Plate-See Notes 9 and 12
R66	100KΩ				AGC Amp. Plate-See Notes 9 and 12
R67	4700Ω				Isolation-See Note 9
R68	820KΩ				Picture Tube Grid
R69	150KΩ				Picture Tube Cathode
R70	470KΩ				Sound IF Grid
R71	82Ω				Sound IF Cathode
R72	1000Ω 20%				Sound IF Decoupling
R73	47KΩ				Voltage Divider
R74	12KΩ				Limiter Screen
R75	1000Ω 20%				Limiter Decoupling
R76	100KΩ 5%				Discriminator Diode Load
R77	100KΩ 5%				Discriminator Diode Load
R78	22KΩ				De-emphasis
R79	5.1Ω				Discriminator Filament-Wire Wound
R80	47KΩ				Sync. Separator Plate
R81	390KΩ				Voltage Divider-See Notes 3, 4 and 5
R82	5600Ω				Voltage Divider-See Notes 9 and 12
R83	220KΩ				Sync. Separator Cathode-See Notes 9 and 12
R84	220KΩ				Voltage Divider-See Notes 9 and 12
R85	18KΩ				Voltage Divider
R86	18KΩ				Sync. Amp. Plate
R87	12KΩ				Voltage Divider-See Note 11
R88	2200Ω 20%				Sync. Amp. Cathode
R89	10KΩ				Isolation-See Notes 9 and 12
R90	10KΩ				Peaking Coil Shunt-See Notes 9 and 12
R91	22KΩ				Voltage Divider
R92	22KΩ				Integrator
R93	8200Ω				Integrator
R94	8200Ω				Integrator
R95	1 Meg. 20%				Vert. Osc. Transformer Shunt
R96	1.2 Meg. 5%				Voltage Divider
R97	3.3 Meg. 5%				Vert. Osc. Grid
R98	270KΩ				Vert. Osc. Plate
R99	12KΩ 5%				Vert. Peaking
R100	2.2 Meg.				Output Grid
R101	1500Ω				Vert. Output Cathode
R102	1000Ω 20%				Vert. Output Decoupling
R103	15KΩ				Vert. Linearity Control Shunt
R104	220KΩ				Damping
R105	220KΩ				Voltage Divider
R106	150KΩ				Voltage Divider
R107	330KΩ				Horiz. AFC Grid
R108	820KΩ				Horiz. AFC Grid
R109	82KΩ				Horiz. AFC Cathode
R110	330KΩ 5%				Horiz. AFC Cathode
R111	3900Ω				Horiz. AFC Filter
R112	68KΩ				Horiz. AFC Filter
R113	10KΩ				Horiz. AFC Plate
R114	82KΩ				Horiz. AFC Plate
R115	150KΩ				Voltage Divider
R116	150KΩ 5%				Horiz. AFC Filter
R117	8200Ω 5%				Horiz. Osc. Grid
R118	82KΩ 5%				Horiz. Transformer Shunt
R119	47Ω 20%				Horiz. Osc. Plate
					Parasitic Suppressor

TV PARTS LIST AND DESCRIPTIONS

ITEM No.	RATING		REPLACEMENT DATA		DESCRIPTION
	RESISTANCE	WATTS	RCA PART No.	IRC PART No.	
R120	1 Meg.	1/2			BTS-1 Meg.
R121	100Ω	2			BW-2-100
R122	33KΩ	1/2			BTS-33K
R123	6800Ω	1			BTA-6800
R124	1 Meg.	1/2			BTS-1 Meg.
R125	4000Ω	10	75512		1 3/4A-4000
R126	56KΩ	1			BTA-56K
R127	56KΩ	1			BTA-56K
R128	56KΩ	1			BTA-56K
R129	10KΩ	2			BTB-10K
R130	10KΩ	2			BTB-10K
R131	8000Ω	10	75593		1 3/4A-8000
R132	100KΩ 20%	2			BTB-100K
R133	27KΩ	2			BTB-27K

- Note 1. Some models use 680Ω resistor in this application.
- Note 2. Some models use parallel resistors in this application.
- Note 3. Late production models use 1.2 Meg. resistor in this application.
- Note 4. Late production models use 390KΩ resistor in this application.
- Note 5. Used only in late production models.
- Note 6. Late production models use 1800Ω resistor in this application.
- Note 7. Late production models use 18KΩ resistor in this application.
- Note 8. Late production models use 560KΩ resistor in this application.
- Note 9. Used only in chassis KCS60T.
- Note 10. Chassis KCS60T uses 220KΩ resistor in this application.
- Note 11. Not used in chassis KCS60T.
- Note 12. Not used in all models.
- Note 13. Some models use a 15KΩ, 2 watt and two 12KΩ, 2 watt resistors in this application.

TRANSFORMER

ITEM No.	RATING				RCA PART No.
	PRI.	SEC. 1	SEC. 2	SEC. 3	
T1	117VAC ④ 1.5A	720VCT .200ADC	5VAC ④ 3A	6.3VAC ④ 1.2A SEC. 4 6.3VAC ④ 8A	75508

TRANSFORMER (S)

ITEM No.	RATING		REPLACEMENT DATA	
	DC RESISTANCE	PRI.	RCA PART No.	STANCOR PART No.
T2	165Ω	1310VCT	74144	A-8121 ①
T3	260Ω	0Ω	75585	
T4	25Ω		74950	
T5A	13.5Ω	.4Ω	74952	
T5B	43Ω			

① Drill one new mounting hole.

TRANSFORMER (A)

ITEM No.	RATING				RCA PART No.	STANCOR PART No.
	IMPEDANCE	PRI.	SEC.	DC RES.		
T7	7.8KΩ	4.7Ω	500Ω	.5Ω	75557	

SPEAKER

ITEM No.	RATINGS			REPLACEMENT DATA	
	FIELD RES.	V. C. IMP.	PM	RCA PART No.	JENSEN PART No.
SP1		4.2Ω		75681	ST-101 MOD. P12-T
SP2	CONE DIA. 1 1/2"	V. C. DIA. 1"		75682	

FILTER

ITEM No.	RATINGS			RCA PART No.
	TOTAL DIRECT CURRENT	D. C. RESISTANCE	INDUCTANCE (0 CURRENT 1000 cps)	
L1	.200ADC	45Ω	.8 Henries	73154

TV PARTS LIST AND DESCRIPTIONS (Continued)

RESISTORS (CONT.)

ITEM No.	RATING		REPLACEMENT DATA		IDENTIFICATION CODES
	RESISTANCE	WATTS	RCA	IRC	
			PART No.	PART No.	
R120	1 Meg.	1/2			Horiz. Output Grid
R121	100Ω	2			Horiz. Output Cathode
R122	33KΩ	1/2			Horiz. Output Screen
R123	6800Ω	1			Voltage Divider
R124	1 Meg.	1/2			Voltage Divider
R125	4000Ω	1	75512		Voltage Divider-Wire Wound
R126	56KΩ	1			Voltage Divider
R127	56KΩ	1			Bleeder-See Note 13
R128	56KΩ	1			Bleeder-See Note 13
R129	10KΩ	2			Bleeder-See Note 13
R130	10KΩ	2			Bleeder-See Note 13
R131	8000Ω	10	75593		Filter-Wire Wound
R132	100KΩ 20%	2			Isolation
R133	27KΩ	2			Voltage Divider

- Note 1. Some models use 6800Ω resistor in this application.
 Note 2. Some models use parallel resistors in this application.
 Note 3. Late production models use 1.2 Meg. resistor in this application.
 Note 4. Late production models use 390KΩ resistor in this application.
 Note 5. Used only in late production models.
 Note 6. Late production models use 1800Ω resistor in this application.
 Note 7. Late production models use 18KΩ resistor in this application.
 Note 8. Late production models use 560KΩ resistor in this application.
 Note 9. Used only in chassis KCS60T.
 Note 10. Chassis KCS60T uses 220KΩ resistor in this application.
 Note 11. Not used in chassis KCS60T.
 Note 12. Not used in all models.
 Note 13. Some models use a 15KΩ, 2 watt and two 12KΩ, 2 watt resistors in parallel to replace R127, R128, R129, and R130.

TRANSFORMER (POWER)

ITEM No.	RATING				REPLACEMENT DATA			
	PRI.	SEC. 1	SEC. 2	SEC. 3	RCA	STANCOR	MERIT	CHICAGO
					PART No.	PART No.	PART No.	PART No.
T1	117VAC ② 1.5A	720VCT .200ADC	5VAC ④ 3A	6.3VAC ④ 1.2A SEC. 4 6.3VAC ④ 8A	75508		P-3070	TP370

TRANSFORMER (SWEEP CIRCUITS)

ITEM No.	RATING		REPLACEMENT DATA				NOTES
	DC RESISTANCE		RCA	STANCOR	MERIT	CHICAGO	
	PRI.	SEC.					
T2	165Ω	1310Ω	74144	A-8121 ①	A-4000 ①	TBO-2	Vert. Block Osc. Trans. Horiz. Output Trans.
T3	260Ω Tap @ 25Ω	0Ω	75585				
T4	465Ω	.4Ω	74950		A-3035		
T5A	13.5Ω		74952				Vert. Output Trans. Horiz. Deflection Coil Vert. Deflection Coil
T5B	43Ω						

① Drill one new mounting hole.

TRANSFORMER (AUDIO OUTPUT)

ITEM No.	RATING				REPLACEMENT DATA				INSTALLATION NOTES
	IMPEDANCE		DC RES.		RCA	STANCOR	MERIT	CHICAGO	
	PRI.	SEC.	PRI.	SEC.					
T7	7.8KΩ	4.7Ω	500Ω	.5Ω	75557		A-3020		

SPEAKER

ITEM No.	RATINGS			REPLACEMENT DATA			NOTES
	FIELD RES.	V. C. IMP.	D. C. DIA.	RCA	JENSEN	QUAM	
				PART No.	PART No.	PART No.	
SP1	PM	4.2Ω	1 1/2"	75681	ST-101 MOD. P12-T	I2A4	
SP2			1"	75682			

FILTER CHOKE

ITEM No.	RATINGS			REPLACEMENT DATA				INSTALLATION NOTES
	TOTAL DIRECT CURRENT	D. C. RESISTANCE	INDUCTANCE (0 CURRENT 1000 cps)	RCA	STANCOR	MERIT	CHICAGO	
				PART No.	PART No.	PART No.	PART No.	
L1	.200ADC	45Ω	.8 Henries	73154		C-2996	TR-3300	

ITEM No.	USE	DC RES.	
		PRI.	SEC.
L2	Ant. Coil	.6Ω	.6Ω
L3	Ant. Coil	.6Ω	.6Ω
L4	IF Trap	.2Ω	
L5	IF Trap	.2Ω	
L6	Ant. Coil Shunt	0Ω	
L7	FM Trap	0Ω	
L8	Ant. Coils	0Ω	
L9	Fil. Choke	0Ω	
L10	RF Coils	0Ω	
L11	RF Coil	0Ω	
L12	Mixer Grid Coils	0Ω	
L13	Mixer Grid	0Ω	
L14	Osc. Coils	0Ω	
L15	Fil. Choke	0Ω	
L16	Mixer Plate Loading Coil	0Ω	
L17	RF Choke	.3Ω	
L18	Conv. Trans.	.4Ω	
L19	1st Video IF	.2Ω	.6Ω
L20	Fil. Choke	0Ω	
L21	2nd Video IF	.1Ω	
L22	3rd Video IF	.2Ω	0Ω
L23	Fil. Choke	0Ω	
L24A	4th Video IF	.1Ω	.1Ω
L25	4th Video IF		
L26	Sound Trap RF Choke	.1Ω	0Ω
L27	5th Video IF	.4Ω	
L28	Peaking	.3Ω	
L29	Peaking	.5Ω	
L30	Peaking	2.6Ω	
L31	Peaking		
L32	Peaking	.5Ω	
L33	4.5MC Trap	2.6Ω	
L34	Peaking	.1Ω	
L35	Sound IF	.3Ω	
L36	Disc. Trans.	.1Ω	.1Ω
L37	Horiz. Osc. Trans.	130Ω	37Ω
L38	Horiz. Lin.	35Ω	

ITEM No.	BASE TYPE	VOLTS
M1	Bayonet	6-8

ITEM No.	PART NAME
M2	Fuse
M3	RF Tuner
M4	Switch
M5A	Switch
B	Switch
M6A	Focus magnet
B	Focus magnet
C	Focus magnet
M7	Ion trap
B2, B4	Ant. Matching Unit
	Trimmer
	Safety Glass
	Escutcheon
	Knob
	Knob
	Knob
	Knob

DESCRIPTIONS (Continued)

(CONT.)

IDENTIFICATION CODES	
1z.	Output Grid
1z.	Output Cathode
1z.	Output Screen
1z.	Stage Divider
1z.	Stage Divider-Wire Wound
1z.	Stage Divider
1z.	Pre-See Note 13
1z.	Pre-See Note 13
1z.	Pre-See Note 13
1z.	Pre-See Note 13
1z.	Pre-Wire Wound
1z.	Pre-Stage Divider

...tion.
...ion.
...on.
...n.
...ion.

...sistors in parallel to replace R127, R128, R129, and R130.

(POWER)

REPLACEMENT DATA		
STANCOR PART No.	MERIT PART No.	CHICAGO PART No.
	P-3070	TP370

EEP CIRCUITS)

DATA		NOTES
MERIT PART No.	CHICAGO PART No.	
1000 ①	TBO-2	Vert. Block Osc. Trans. Horiz. Output Trans.
3035		Vert. Output Trans. Horiz. Deflection Coil Vert. Deflection Coil

DIO OUTPUT)

DATA		INSTALLATION NOTES
MERIT PART No.	CHICAGO PART No.	
020		

DATA		INSTALLATION NOTES
MERIT PART No.	CHICAGO PART No.	
QUAM PART No.		
2A4		

COKE

REPLACEMENT DATA			INSTALLATION NOTES
STANCOR PART No.	MERIT PART No.	CHICAGO PART No.	
	C-2996	TR-3300	

COILS (RF-IF)

ITEM No.	USE	DC RES.		REPLACEMENT DATA			NOTES
		PRI.	SEC.	RCA	MEISSNER	IRC	
				PART No.	PART No.	PART No.	
L2	Ant. Coil	.6Ω	.6Ω	73591			
L3	Ant. Coil	.6Ω	.6Ω	73591			
L4	IF Trap	.2Ω		75242			
L5	IF Trap	.2Ω		75242			
L6	Ant. Coil						
	Shunt	0Ω		75241			
L7	FM Trap	0Ω		75449			
L8	Ant. Coils	0Ω		75180			Stator complete with rotor, coils, R6, R10, R11, C8, C9
L9	Fl. Choke	0Ω		73477			
L10	RF Coils	0Ω		75179			Stator complete with rotor, coils, R9, C13 Includes .8-3.8 trimmer
L11	RF Coil	0Ω		75183			
L12	Mixer Grid Coils	0Ω		75187			Stator complete with rotor, coils, R12, R13, R14, C12, C14 Includes .8-3.8 trimmer
L13	Mixer Grid	0Ω		75182			Stator complete with rotor, coils, C16, C18 Wound on coax cable, part No. 75201
L14	Osc. Coils	0Ω		75175			
L15	Fl. Choke	0Ω					
L16	Mixer Plate Loading Coil	0Ω		75185			
L17	RF Choke	.3Ω		75202		CLA	.56 microhenries
L18	Conv. Trans.	.4Ω	.2Ω	75181			With trap
L19	1st Video IF	.2Ω	6Ω	74589			
L20	Fl. Choke	0Ω		73477			With trap
L21	2nd Video IF	.1Ω		74590			Sound take off
L22	3rd Video IF	.2Ω	0Ω	75209			
L23	Fl. Choke	0Ω		73477			
L24A	4th Video IF	.1Ω	.1Ω	74592			With trap
B	4th Video IF			73574			With trap-alternate
L25	Sound Trap	.1Ω	0Ω	71778			Includes C49
L26	RF Choke			76011			36 microhenries, white dots, not used in all models.
L27	5th Video IF	.4Ω		75210			
L28	Peaking	3Ω		75299		19-1921	36 microhenries, orange-white dots
L29	Peaking	5Ω		75253			120 microhenries, blue-red dots
L30	Peaking	2.6Ω		71793		19-1923	36 microhenries, black dot
L31	Peaking						500 microhenries, green-white dots, (chassis KCS60T)
L32	Peaking	5Ω		73253		19-1921	120 microhenries, blue-red dots
L33	4.5MC Trap	2.6Ω		75231			
L34	Peaking	12Ω		75252		19-1923	500 microhenries, green-white dots
L35	Sound IF	.3Ω		75211			
L36	Disc. Trans.	.1Ω	.1Ω	75212			
L37	Horiz. Osc.						
L38	Trans.	130Ω	37Ω	75213			
L38	Horiz. Lin.	35Ω		71449			

DIAL LIGHTS

ITEM No.	BASE TYPE	VOLTS	AMPS.	BEAD COLOR	REPLACEMENT DATA		NOTES
					RCA PART No.		
M1	Bayonet	6-8	.2	White	11785		Type #51, channel selector light

MISCELLANEOUS

ITEM No.	PART NAME	RCA PART No.	NOTES
M2	Fuse	73600	.25A 250V Type BEL
M3	RF Tuner		
M4	Switch	75594	Dial light
M5A	Switch	75692	AGC
B	Switch	76010	AGC(alternate)
M6A	Focus magnet	75584	
B	Focus magnet	75504	Has green dot
C	Focus magnet	75935	
M7	Ion trap	74953	
	Ant. Matching Unit	75509	Includes connector, L2, L3, L4, L5, L6, L7, C6, C7
B2, B4	Trimmer	75217	Dual(horiz. drive, horiz. lock 10-160MMF)
	Safety Glass	75619	
	Escutcheon	75455	Channel selector
	Knob	73996	Channel selector, maroon
	Knob	74959	Fine tuning, maroon
	Knob	74962	Vert. hold, brightness, maroon
	Knob	74963	Horiz. hold, contrast, maroon
	Knob	74969	Light switch, maroon

RCA VICTOR MODELS 9T57, 9T77, 9T79 (Ch. KCS49, A, AT, T), 9T89 (Ch. KCS60, A, AT, T)

RADIO PARTS LIST AND DESCRIPTIONS

TUBES (SYLVANIA or Equivalent)

ITEM No.	USE	REPLACEMENT DATA		RMA BASE TYPE	NOTES
		RCA PART No.	STANDARD REPLACEMENT		
V22	RF Amp.	6CB6	6CB6	6CK	
V23	Converter	6J6	6J6	7BF	
V24	1st FM AM IF	6BA6	6BA6	7BK	
V25	2nd FM IF	6AU6	6AU6	7BK	
V26	Ratio Det.	6AL5	6AL5	6BT	
V27	DET. -AVC-AF	6AV6	6AV6	7BT	
V28	Phase Inv.	6C4	6C4	6BG	
V29	Power Output	6V6GT	6V6GT	7AC	
V30	Power Output	6V6GT	6V6GT	7AC	
V31	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		REPLACEMENT DATA					IDENTIFICATION CODES AND INSTALLATION NOTES
	CAP.	VOLT	RCA PART No.	AEROVOX PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	ERIE PART No.	
C105A	30	450	72052	AFH6J1018A		UP3345V4		TVL-3741
B	30	350						TVA-1205
C	40	25						
C106	2	50	73747	E26F3		BBR2-50T		TVA-1301
C107	220		75611	SI220	D6-221	5W5T25	GP2K-220	19C13
C108	5000		73473	BPD-005	DD-502	ID5D5	811-005	29C1
C109	5000		73473	BPD-005	DD-502	ID5D5	811-005	29C1
C110	100		39396	SI100	D6-101	5W5T1	GPIK-100	19C1
C111	470	500	72571	1468-0005	D6-471	5W5T5	GP2K-470	1FM-35
C112	15		39044	SI15	D6-150		GPIK-15	19C22
C113	68		75612		TCN-68		N750L-68	29C15
C114	68		75612	SI68	TCN-68		N750L-68	29C15
C115	3		74733				N220K-3	
C116	150		75614	SI150	D6-151	5W5T15	GP2K-150	19C12
C117	5		75612	SI5N750			N750K-5	
C118	5000		73473	BPD-005	DD-502	ID5D5	811-005	29C1
C119	5000		73473	BPD-005	DD-502	ID5D5	811-005	29C1
C120	47		75609	SI47	D6-470	5W5Q5	GPIK-47	19C25
C121	5000		73473	BPD-005	DD-502	ID5D5	811-005	29C1
C122	39				TCN-39		N750L-39	
C123	.05	200	73553	P288-05	DF-503	PTE4S5		2TM-S5
C124	5000		73473	BPD-005	DD-502	ID5D5	811-005	29C1
C125	5000		73473	BPD-005	DD-502	ID5D5	811-005	29C1
C126	5000		73473	BPD-005	DD-502	ID5D5	811-005	29C1
C127	150		75614	SI150	D6-151	5W5T15	GP2K-150	19C12
C128	150		75614	SI150	D6-151	5W5T15	GP2K-150	19C12
C129	5000		73473	BPD-005	DD-502	ID5D5	811-005	29C1
C130	5000		73473	BPD-005	DD-502	ID5D5	811-005	29C1
C131	.005	200	71926	P688-005	D6-502	PTE6D5	811-005	6TM-D5
C132	330	500	39640	1468-0003	D6-331	5W5T3	GP2K-330	1FM-335
C133	330	500	39640	1468-0003	D6-331	5W5T3	GP2K-330	1FM-335
C134	.005	100	71926	P688-005	D6-502	PTE6D5	811-005	6TM-D5
C135	.005	200	71926	P688-005	D6-502	PTE6D5	811-005	6TM-D5
C136	1800		75610	SI1800	D6-182		GP2M-0018	
C137	.001	200	73801	P688-001	D6-102	PTE6D1	GP2L-001	6TM-D1
C138	1500		75610	SI1500	D6-152	1W5D15	GP2L-0015	29C8
C139	.018	200	58476					
C140	.015	200	7212 0	P488-015		PTE6S15		6TM-S15
C141	.02	100	74010	P488-02	DF-203	PTE4S2		2TM-S2
C142	100		75437	SI100	D6-101	5W5T1	GPIK-100	19C11
C143	.005	400	71926	P688-005	D6-502	PTE6D5	811-005	6TM-S5
C144	.01	400	71925	P488-01	D6-103	PTE4S1	821-01	4TM-S1
C145	.02	400	74010	P488-02	DF-203	PTE4S2		4TM-S2
C146	150		75614	SI150	D6-151	5W5T15	GP2K-150	19C12
C147	.001	1200	70642	PI688-001		PTE16D1		MB-D1
C148	.001	1200	70642	PI688-001		PTE16D1		MB-D1
C149	5000		73473	BPD-005	DD-502	ID5D5	811-005	29C1

* Not used in all models.

† When either items C132 or C133 are replaced, replace both with capacitors of equal value.

‡ Some models use 1500MMF in this application.

CONTROLS

ITEM No.	RATING		REPLACEMENT DATA				INSTALLATION NOTES
	RESISTANCE	WATTS	RCA PART No.	IRC PART No.	CLAROSTAT PART No.	CENTRALAB PART No.	
R134A	1.5 Meg.	$\frac{1}{2}$	75537	Q18-139XX	AT-95		Volume control-tapped at 250K Ω and 500K Ω
B	Shaft		Not Req.		FS-3		Attach to R134A per instructions
C	Switch		Not Req.		SWB		Attach to R134A per instructions
R135A	2 Meg.	$\frac{1}{2}$	75561	Q13-139	AG-66-Z	B-76	Low tone control
B	Shaft		Not Req.		FS-3	Not Req.	Attach to R135A per instructions
R136A	2 Meg.	$\frac{1}{2}$	75562	Q13-139	AG-66-Z	B-76	High tone control
B	Shaft		Not Req.		FB-3	Not Req.	Attach to R136A per instructions

RESISTORS

ITEM No.	RATING		REPLACEMENT DATA		IDENTIFICATION CODES
	RESISTANCE	WATTS	RCA PART No.	IRC PART No.	
R137	2.2 Meg.	$\frac{1}{2}$			RF Amp. Grid
R138	68 Ω	$\frac{1}{2}$			RF Amp. Cathode
R139	470K Ω	$\frac{1}{2}$			RF Amp. Screen-See Note 16
R140	8200 Ω	$\frac{1}{2}$			RF Amp. Plate
R141	680 Ω	$\frac{1}{2}$		BTS-680	RF Amp. Decoupling
R142	390 Ω	$\frac{1}{2}$			Parasitic Suppressor
R143	100 Ω	$\frac{1}{2}$			Parasitic Suppressor

RADIO PARTS LIST AND DESCRIPTIONS (Continued)

RESISTORS (CONT.)

ITEM No.	RATING		REPLACEMENT DATA		IDENTIFICATION CODES
	RESISTANCE	WATTS	RCA PART No.	IRC PART No.	
R144	18KΩ				Osc. Grid
R145	33KΩ				Osc. Plate Decoupling
R146	2.2 Meg.				AVC Network
R147	2.2 Meg.				AVC Network
R148	150KΩ				Diode Load
R149	220KΩ				Diode Load
R150	68Ω				1st IF Amp. Cathode
R151	22KΩ				1st IF Amp. Screen
R152	680Ω				Decoupling
R153	39KΩ				Decoupling-See Note 15
R154	120Ω				2nd FM IF Amp. Cathode
R155	22KΩ				2nd FM IF Amp. Screen
R156	680Ω				Decoupling
R157	22 Meg.				AVC Network
R158	470KΩ				AVC Network
R159	1200Ω 5%				Ratio Detector Diode Load
R160	3300Ω 5%				Ratio Detector Diode Load
R161	39KΩ 5%				Ratio Detector Diode Load
R162	56KΩ				Diode Filter
R163	100Ω				Balancing
R164	15KΩ				De-emphasis
R165	150KΩ				Tone Compensation
R166	1.5 Meg.				Phono Input Shunt
R167	1.5 Meg.				Phono Input Shunt
R168	27KΩ				Tone Compensation
R169	18KΩ				Tone Compensation
R170	27KΩ				Tone Compensation-See Note 17
R171	10 Meg.				AF Amp. Grid
R172	270KΩ				AF Amp. Plate
R173	3300Ω 5%				Phase Inverter Cathode
R174	82KΩ				Phase Inverter Plate
R175	68KΩ				Phase Inverter Grid
R176	470KΩ				Output Grid
R177	470KΩ				Output Grid
R178	100Ω				Parasitic Suppressor
R179	2200Ω				Filter-Wire Wound
R180	270Ω				Bias Network
R181	1000Ω				Bias Network
R182	3Ω				Series Pilot Light-Wire Wound-See Note 14

Note 14. Not used in all models.
 Note 15. Some models use 120KΩ resistor in this application.
 Note 16. Some models use 33KΩ resistor in this application.
 Note 17. Some models use 100KΩ resistor in this application.

TRANSFORMER (POWER)

ITEM No.	RATING				REPLACEMENT DATA			
	PRI.	SEC. 1	SEC. 2	SEC. 3	RCA PART No.	STANCOR PART No.	MERIT PART No.	CHICAGO PART No.
T8	117VAC ② .7A	640VCT .065ADC	5VAC ② 2A	6.3VAC ② 4.5A	75566		P-3051	PV-70 ② ③

② Add series resistor to reduce voltage.
 ③ Drill new mounting holes.

COILS (RF-IF)

ITEM No.	USE	DC RES.		REPLACEMENT DATA		NOTES
		PRI.	SEC.	RCA PART No.	MEISSNER PART No.	
L39	FM Ant. Coil	0Ω		75615		
L40	FM RF Coil	0Ω		74815		
L41	FM Osc. Coil	0Ω		74817		
L42	Loop Ant.	.1Ω	1.4Ω	75705		Less cable
L43	AM RF Coil	73Ω	4.2Ω	75570		
L44	AM Osc. Coil	1.2Ω	7.5Ω	75569		2.2Ω pick-up winding
L45	1st AM IF	5Ω	12Ω	75558		12Ω tertiary winding
L46	1st FM IF	.2Ω	.2Ω	75559		
L47	Fl. Choke	.3Ω		71942		
L48	2nd AM IF	15Ω	15Ω	73037		
L49	2nd FM IF	1.2Ω	.4Ω	75560		
L50	Ratio Det. Trans.	1.3Ω	.3Ω	73743		

PHONO CARTRIDGE and NEEDLE

ITEM No.	REPLACEMENT DATA						REMARKS
	RCA PART No.	ASTATIC PART No.		SHURE PART No.			
		CARTRIDGE	NEEDLE	CARTRIDGE	NEEDLE		
M8	74625	CAC-J	Q-33	W21AR	A65MG		

ASTATIC AND SHURE NEEDLE LISTINGS SHOWN ABOVE ARE SPECIFIED FOR THE RESPECTIVE REPLACEMENT CARTRIDGES LISTED.

PHONO CARTRIDGE and NEEDLE

ITEM No.	REPLACEMENT DATA						REMARKS
	RCA PART No.	ASTATIC PART No.		SHURE PART No.			
		CARTRIDGE	NEEDLE	CARTRIDGE	NEEDLE		
M9	75475						

DIAL LIGHTS

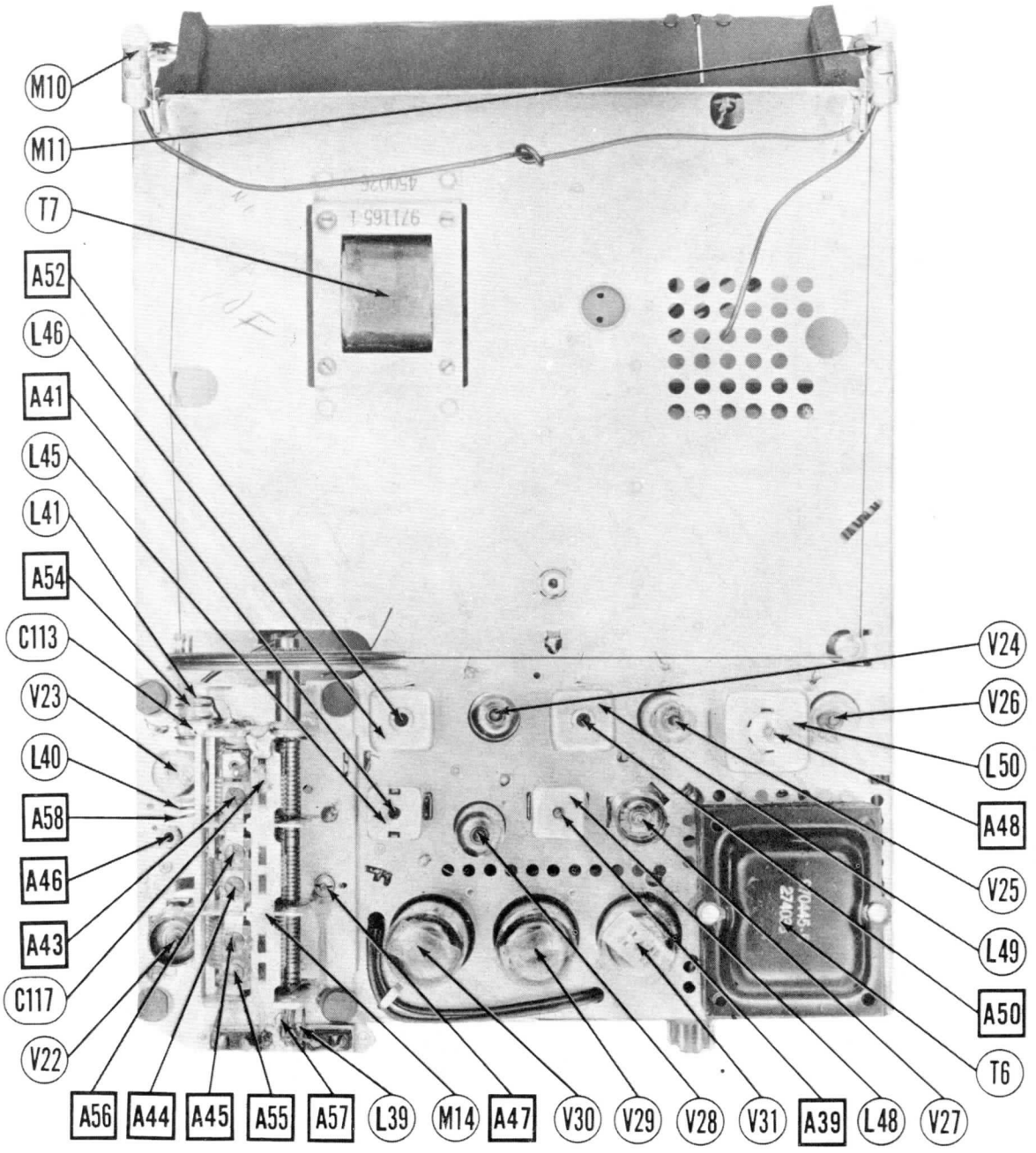
ITEM No.	BASE TYPE	VOLTS	AMPS.	BEAD COLOR	REPLACEMENT DATA		NOTES
					RCA PART No.		
M10	Bayonet	7.5	.2	White	11765		Type #51
M11	Bayonet	7.5	.2	White	11765		Type #51
M12	Bayonet	7.5	.2	White	11765		Type #51, jewel light

MISCELLANEOUS

ITEM No.	PART NAME	RCA PART No.	NOTES
M13	Switch	75586	Function TV-FM-AM-Phono 45-Phono 78, 33 (24-531MMF, 20-305MMF, 35-205MMF) Tone, tuning, volume, (maroon) Function switch, (maroon)
M14	Tuning Capacitor	75576	
	Knob	75712	
	Knob	75714	

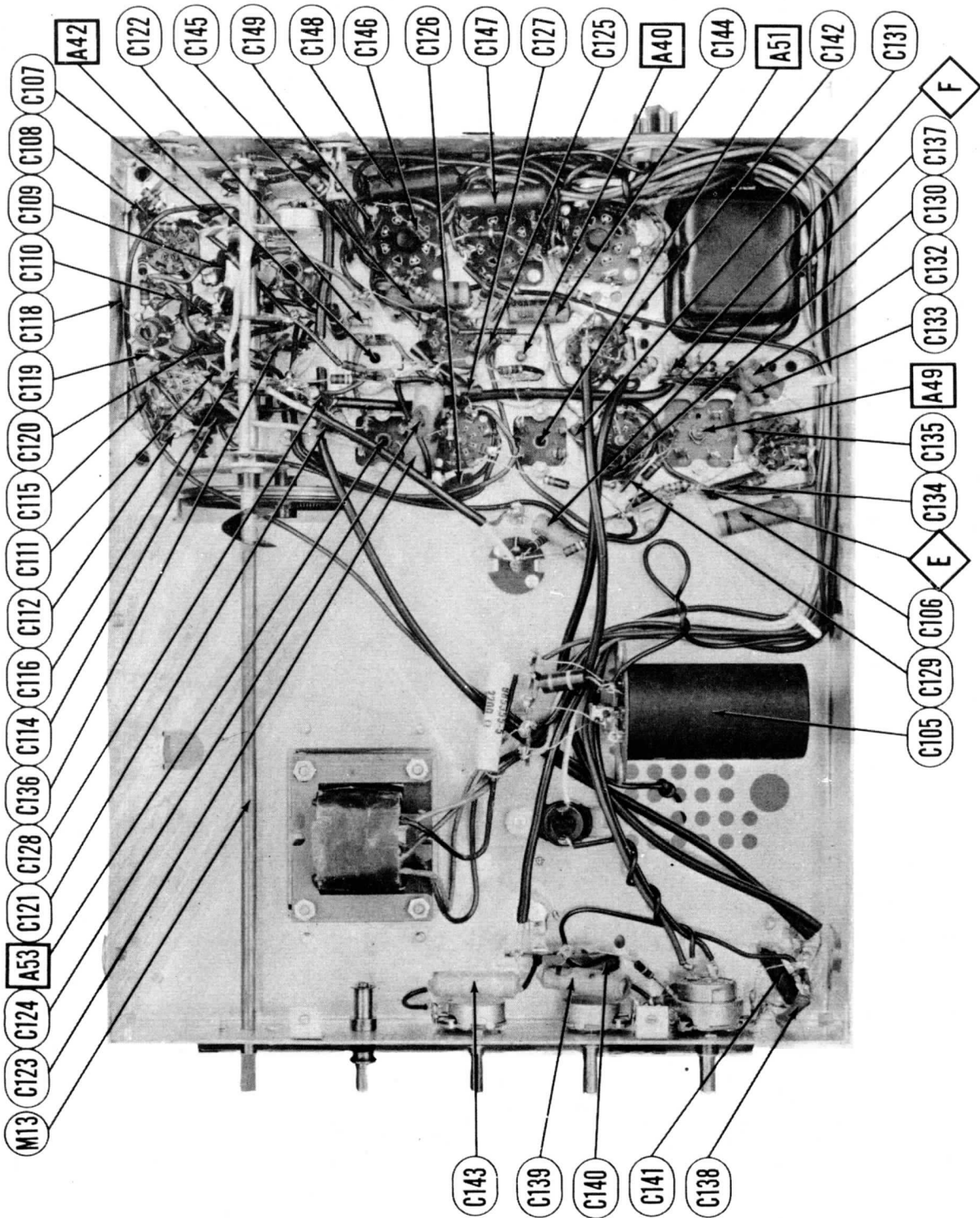
RCA VICTOR MODELS 9157, 9177, 9179 (Ch. KCS49, A, AT, T), 9189 (Ch. KCS60, A, AT, T)

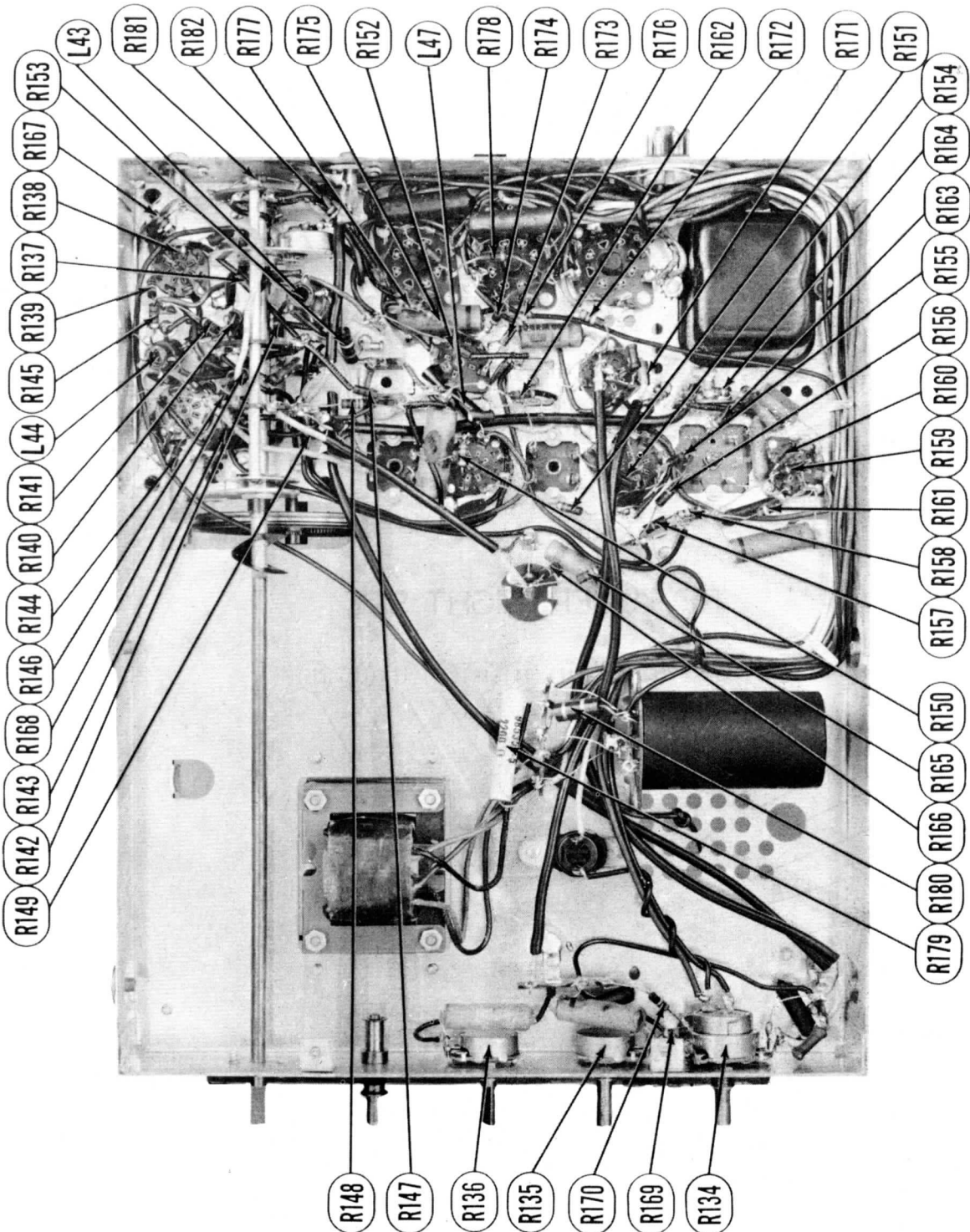
RCA VICTOR MODELS 9T57, 9T77,
 9T79 (Ch. KCS49, A, AT, T), 9T89 (Ch. KCS60, A, AT, T)



RADIO CHASSIS-TOP VIEW

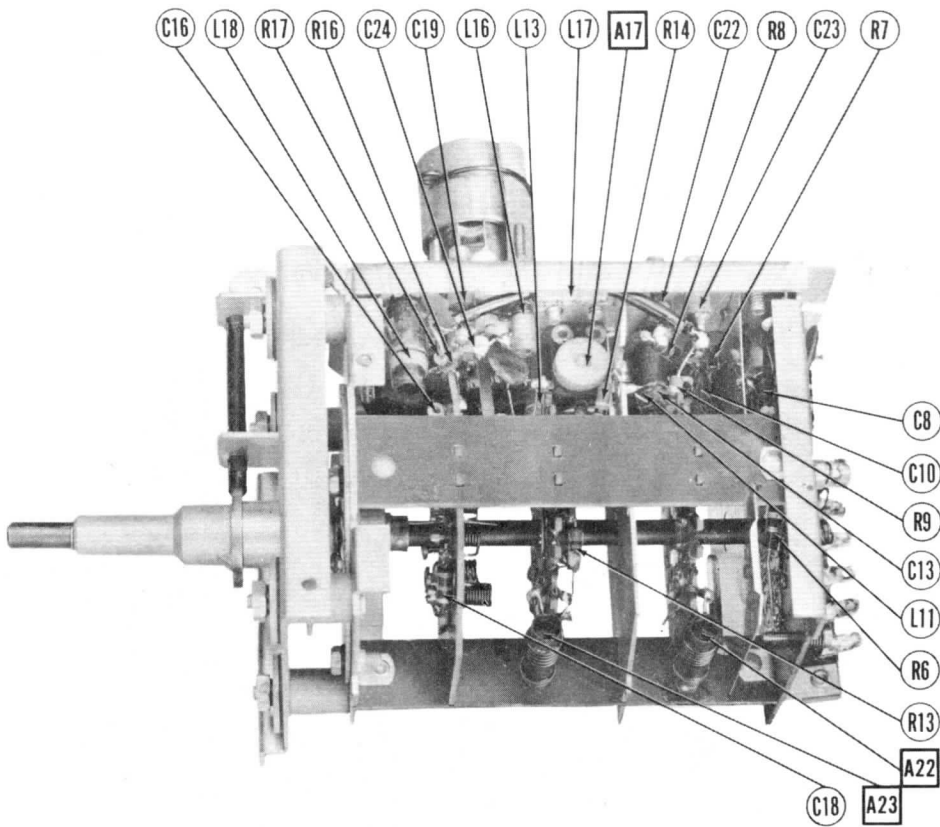
RADIO CHASSIS-BOTTOM VIEW-CAPACITOR AND ALIGNMENT IDENTIFICATION



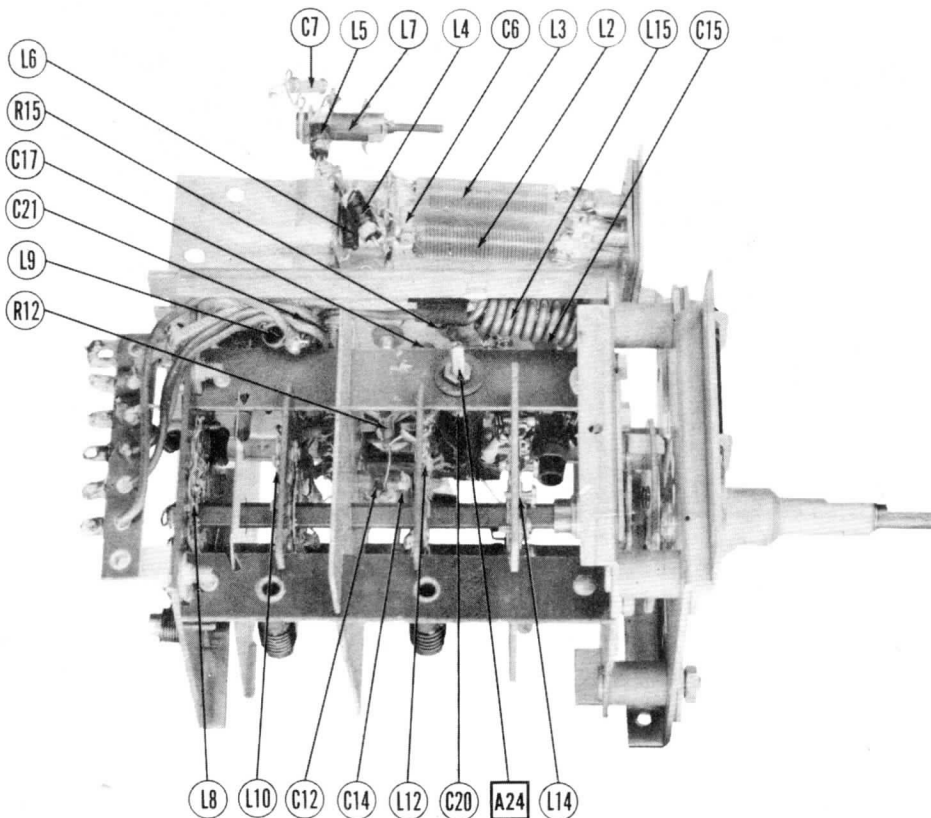


RADIO CHASSIS - BOTTOM VIEW - RESISTOR AND INDUCTOR IDENTIFICATION

**RCA VICTOR MODELS 9T57, 9T77,
9T79 (Ch. KCS49, A, AT, T), 9T89 (Ch. KCS60, A, AT, T)**



RF TUNER-RIGHT SIDE



RF TUNER-LEFT SIDE

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	6CB6	-2VDC	.3VDC	0V	6.3VAC	155VDC	85VDC	0V		
V 2	6J6	65VDC	125VDC	0V	6.3VAC	-1.1VDC	5-3VDC	0V		
V 3	6AU6	-2VDC	0V	0V	6.3VAC	105VDC	115VDC	-8VDC		
V 4	6CB6	-2VDC	.9VDC	6.3VAC	0V	100VDC	90VDC	0V		
V 5	6AU6	-2VDC	0V	0V	6.3VAC	80VDC	100VDC	-5VDC		
V 6	6CB6	0V	1.6VDC	6.3VAC	0V	120VDC	115VDC	0V		
V 7	6AL5	0V	-.4VDC	0V	6.3VAC	0V	0V	-.5VDC		
V 8	12AU7	100VDC	-.4VDC	5.7VDC	6.3VAC	270VDC	95VDC	115VDC	0V	
V 9	12AU7	6.2VDC	0V	1.1VDC	6.3VAC	6.3VAC	35VDC	6VDC	7VDC	0V
V 10	6AU6	-.3VDC	0V	0V	6.3VAC	105VDC	105VDC	-.5VDC		
V 11	6AU6	-.9VDC	0V	0V	6.3VAC	110VDC	70VDC	0V		
V 12	6AL5	0V	-.8VDC	6.3VAC	1.2VAC	0V	0V	-.8VDC		
V 13	6AY6	NOT USED IN ALL MODELS.								
V 14	6SN7GT	-18VDC	320VDC	0V	-.2VDC	0V	0V	6.3VAC	0V	
V 15	6K6GT	0V	0V	340VDC	340VDC	0V	30VDC	45VDC	30VDC	
V 16	6SN7GT	-2.5VDC	115VDC	-22VDC	70VDC	195VDC	0V	0V	6.3VAC	TOP CAP
V 17	6BG6G	350VDC	6.3VAC	7.4VDC	0V	-22VDC	0V	0V	300VDC	*
V 18	6W4GT	0V	0V	480VDC	0V	355VDC	0V	480VDC	480VDC	
V 19	1B3GT	* DO NOT MEASURE								
V 20	5U4G	0V	360VDC	0V	360VAC	0V	360VAC	0V	360VDC	
V 21	19AP4A	0V	.4VDC	PIN 10, 355VDC	PIN 11 110VDC	PIN 12 6.3VAC				

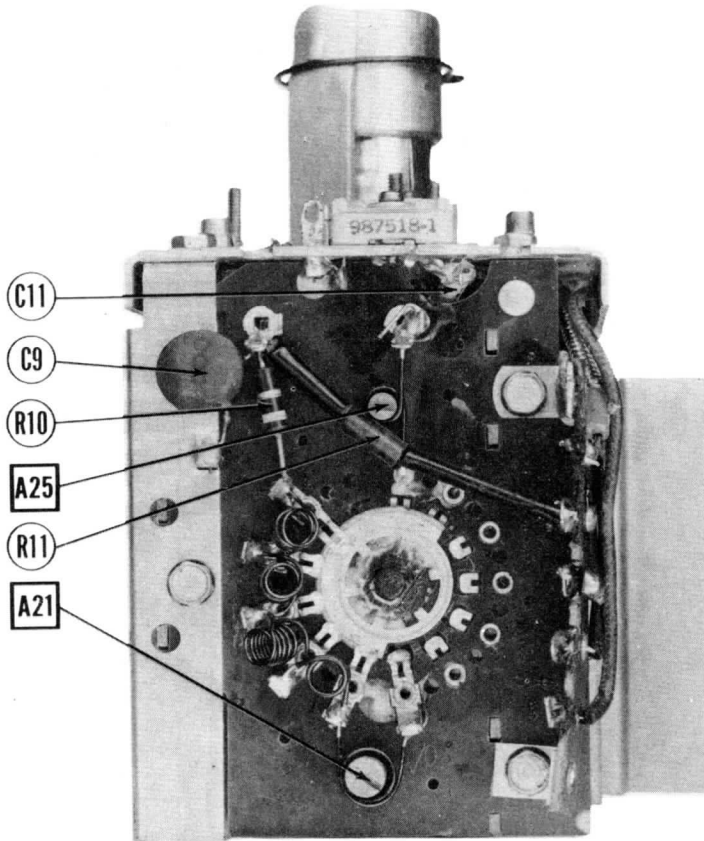
AGC SWITCH FULLY CLOCKWISE
 † TAKEN WITH VACUUM TUBE VOLTMETER
 * DO NOT MEASURE

RESISTANCE READINGS

Item	Tube	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8	Pin 9
V 1	6CB6	80KΩ	27Ω	0Ω	.1Ω	†7KΩ	†30KΩ	0Ω		
V 2	6J6	†17KΩ	†7KΩ	0Ω	.1Ω	100KΩ	100KΩ	0Ω		
V 3	6AU6	35KΩ	0Ω	0Ω	.1Ω	†12KΩ	†37KΩ	120Ω		
V 4	6CB6	45KΩ	120Ω	.1Ω	0Ω	†17KΩ	†50KΩ	0Ω		
V 5	6AU6	35KΩ	0Ω	0Ω	.1Ω	†14KΩ	†37KΩ	82Ω		
V 6	6CB6	.1Ω	180Ω	.1Ω	0Ω	†13KΩ	†38KΩ	0Ω		
V 7	6AL5	.1Ω	33KΩ	0Ω	.1Ω	0Ω	0Ω	5.6KΩ		
V 8	12AU7	†32KΩ	5.6KΩ	3.7KΩ	.1Ω	.1Ω	†6.8KΩ	†600KΩ	†5KΩ	0Ω
V 9	12AU7	60KΩ	45KΩ	250KΩ	.1Ω	.1Ω	†14KΩ	60KΩ	2.2KΩ	0Ω
V 10	6AU6	470KΩ	0Ω	0Ω	.1Ω	†5.5KΩ	†5.5KΩ	82Ω		
V 11	6AU6	100KΩ	0Ω	0Ω	.1Ω	†5.5KΩ	†16KΩ	0Ω		
V 12	6AL5	0Ω	100KΩ	.1Ω	2.3Ω	200KΩ	0Ω	100KΩ		
V 13	6AV6	NOT USED IN ALL MODELS.								
V 14	6SN7GT	1.3 Meg.	†400KΩ	70KΩ	0Ω	0Ω	0Ω	.1Ω	0Ω	
V 15	6K6GT	Inf.	0Ω	†1.8KΩ	†1.8KΩ	2.2 Meg.	3.5KΩ	.1Ω	5KΩ	
V 16	6SN7GT	1.5 Meg.	†60KΩ	410KΩ	480KΩ	†82KΩ	0Ω	0Ω	.1Ω	TOP CAP
V 17	6BG6G	†45Ω	.1Ω	100Ω	Inf.	1 Meg.	3.9KΩ	0Ω	†6.8KΩ	†14KΩ
V 18	6W4GT	Inf.	Inf.	270KΩ	Inf.	†80Ω	Inf.	#00	#.3Ω	TOP CAP
V 19	1B3GT	Inf.	Inf.	Inf.	Inf.	Inf.	Inf.	Inf.	Inf.	#260Ω
V 20	5U4G	Inf.	7KΩ	Inf.	25Ω	Inf.	25Ω	Inf.	7KΩ	
V 21	19AP4A	0Ω	1 Meg.	PIN 10 †45Ω	PIN 11 150KΩ	PIN 12 .1Ω				

AGC SWITCH FULLY CLOCKWISE
 † MEASURED FROM PIN 8 OF V20
 * MEASURED FROM PIN 3 OF V18

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 TUNER-REAR VIEW DISASSEMBLY INSTRUCTIONS

TV CHASSIS REMOVAL

1. Remove seven push-on type control knobs.
2. Remove six screws holding rear cover in place. Remove rear cover.
3. Disconnect built-in antenna.
4. Disconnect speaker.
5. Disconnect audio lead.
6. Disconnect ground lead from picture tube.
7. Remove six 7/16" hex head bolts from chassis. Remove chassis.
8. Remove four 11/32" nuts from speaker. Remove speaker.

RADIO CHASSIS REMOVAL

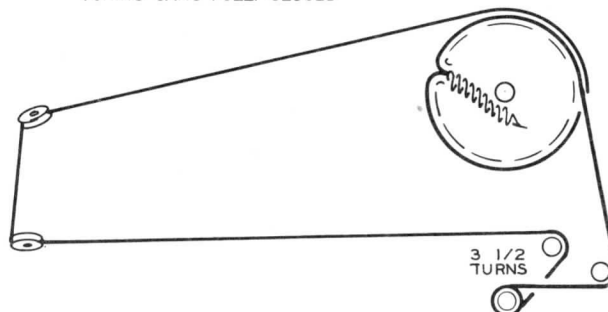
1. Remove five push-on type control knobs.
2. Disconnect built-in AM antenna.
3. Disconnect FM antenna.
4. Disconnect phono leads.
5. Remove wood screw at rear of track.
6. Remove three 1/4" hex head screws fastening rear cover.
7. Remove radio and 45RPM phonograph unit from rear of cabinet.

33 1/3-78 RPM PHONOGRAPH REMOVAL

1. Remove the fillister head machine screw at rear of 33 1/3 - 78 RPM phono track.
2. Remove from front of cabinet.

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

TUNING GANG FULLY CLOSED



DIAL CORD STRINGING