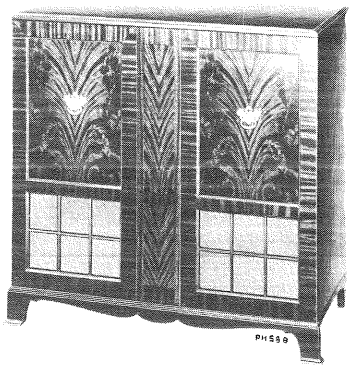


Model 6T84 "Fairfax" Walnut, Mahogany or Oak

RCA VICTOR

TELEVISION, RADIO PHONOGRAPH COMBINATIONS MODELS 6T84, 6T86, 6T87

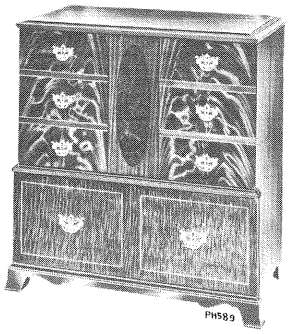
Chassis Nos. KCS48 or KCS48T and RC1090 or RC1092
45 Record Changer RP168 or RP190
33⅓/78 Record Changer 960282 or 960284

— Mfr. No. 274 —

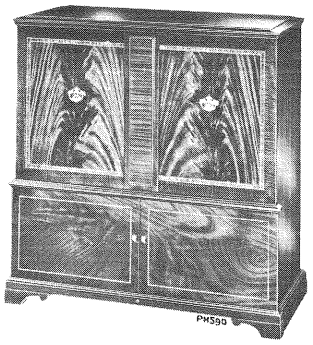
SERVICE DATA

— 1950 No. T15 —

PREPARED BY RCA SERVICE CO., INC.
FOR
RADIO CORPORATION OF AMERICA
RCA VICTOR DIVISION
CAMDEN, N. J., U. S. A.



Model 6T86 "Rutland" Walnut, Mahogany or Oak



Model 6T87 "Hartford" Walnut, Mahogany or Oak

GENERAL DESCRIPTION

Models 6T84, 6T86 and 6T87 are 16-inch television radio phonograph combinations. Two record changers are provided to play 78, 33⅓ and 45 RPM records.

ELECTRICAL AND MECHANICAL SPECIFICATIONS

PICTURE SIZE.....146 square inches on a 16GP4 kinescope

TELEVISION R-F FREQUENCY RANGE

All 12 television channels, 54 mc. to 88 mc., 174 mc. to 216 mc. Fine Tuning Range, ±250 kc. on chan. 2, ±650 kc. on chan. 13

RADIO TUNING RANGE

RC1090 ..... AM—540-1600 kc.
RC1092 .....AM—540-1600 kc.—FM—88-108 mc.

AUDIO POWER OUTPUT

RC1090—6 watts max.....RC1092—11 watts max.

POWER SUPPLY RATING ..... 115 volts, 60 cycles
6T84—290 watts max.....6T86 or 6T87—315 watts max.

CHASSIS DESIGNATIONS

Television Chassis.....KCS48 or KCS48T
Radio Chassis (6T84) RC1090
Radio Chassis (6T86 or 6T87) RC1092
33⅓/78 RPM Record Changer.....960282 or 960284
45 RPM Record Changer.....RP168 or RP190
Refer to Service Data 960282, 960284, RP168 or RP190 for information on the record changers.

LOUDSPEAKER—92569 ..... 12-inch PM Dynamic
Voice Coil Impedance ..... 3.2 ohms at 400 cycles

WEIGHT	Net Weight	Shipping Weight
6T84	162	199
6T86	177	216
6T87	200	232

DIMENSIONS (Cabinet Outside)	Width	Height	Depth
6T84	39	37⅝	21¾
6T86	38½	39	22¼
6T87	41¾	41½	22

RECEIVER ANTENNA INPUT IMPEDANCE 300 ohms balanced.

If necessary, the television chassis may be fed separately from either a 300-ohm balanced line or a 72-ohm co-ax.

RCA TUBE COMPLEMENT

(1) RCA 6CB6 ..... R-F Amplifier
(2) RCA 6J6 ..... R-F Oscillator and Mixer
(3) RCA 6AU6 ..... 1st Sound I-F Amplifier
(4) RCA 6AU6 ..... 2nd Sound I-F Amplifier
(5) RCA 6AL5 ..... Sound Discriminator
(6) RCA 6AV6 (KCS48T only) ..... Bias Clamp
(7) RCA 6AU6 ..... 1st Picture I-F Amplifier
(8) RCA 6CB6 ..... 2nd Picture I-F Amplifier
(9) RCA 6AU6 ..... 3rd Picture I-F Amplifier
(10) RCA 6CB6 ..... 4th Picture I-F Amplifier
(11) RCA 6AL5 ..... Picture 2nd Detector and AGC Detector
(12) RCA 12AU7 ..... 1st and 2nd Video Amplifier
(13) RCA 12AU7 ..... DC Restorer and Sync Separator
(14) RCA 6SN7GT (KCS48).....Vert. Sweep Osc. & Bias Clamp
or RCA 6SN7GT (KCS48T)....Sync. Amp. & Vert. Sweep Osc.
(15) RCA 6KSGT.....Vertical Sweep Output
(16) RCA 6SN7GT .... Horizontal Sweep Oscillator and Control
(17) RCA 6BG6G ..... Horizontal Sweep Output
(18) RCA 6W4GT ..... Damper
(19) RCA 1B3-GT/8016 ..... High Voltage Rectifier
(20) RCA 16GP4, 16GP4A, 16GP4B, 16GP4C ..... Kinescope
(21) RCA 5U4G ..... Rectifier

(RC1090 Radio Chassis)

(1) RCA 6BE6 ..... Converter
(2) RCA 6BA6 ..... I-F Amplifier
(3) RCA 6AV6 ..... Detector and 1st Audio
(4) RCA 6C4 ..... Phase Inverter
(5) RCA 6V6GT (2 tubes) ..... Audio Output
(6) RCA 6X5GT ..... Rectifier

(RC1092 Radio Chassis)

(1) RCA 6CB6 ..... R-F Amplifier
(2) RCA 6J6 ..... Oscillator and Mixer
(3) RCA 6BA6 ..... I-F Amplifier
(4) RCA 6AV6 ..... Driver
(5) RCA 6AL5 ..... Ratio Detector
(6) RCA 6AV6 ..... AM Det., AVC and Audio Amplifier
(7) RCA 6C4 ..... Phase Inverter
(8) RCA 6V6GT (2 tubes) ..... Audio Output
(9) RCA 5Y3GT ..... Rectifier

Specifications continued on page 2

6T84, 6T86, 6T87 ELECTRICAL AND MECHANICAL SPECIFICATIONS

(Continued)

PICTURE INTERMEDIATE FREQUENCIES

Picture Carrier Frequency	25.50 Mc.
Adjacent Channel Sound Trap	27.00 Mc.
Accompanying Sound Traps	21.00 Mc.
Adjacent Channel Picture Carrier Trap	19.50 Mc.

SOUND INTERMEDIATE FREQUENCIES

Sound Carrier Frequency	21.00 Mc.
Sound Discriminator Band Width between peaks	400 kc.

VIDEO RESPONSE	To 4 Mc.
FOCUS	Magnetic
SWEEP DEFLECTION	Magnetic
SCANNING	Interlaced, 525 line
HORIZONTAL SWEEP FREQUENCY	15,750 cps
VERTICAL SWEEP FREQUENCY	60 cps
FRAME FREQUENCY (Picture Repetition Rate)	30 cps

THE TELEVISION CHASSIS USED IN MODELS 6T84, 6T86 AND 6T87 IS VERY SIMILAR TO THE CHASSIS USED IN MODELS 6T53, 6T64, 6T71, ETC. REFER TO PAGES 372 TO 385 FOR TELEVISION ALIGNMENT DATA AND WAVEFORM PHOTOGRAPHS.

THE RADIO CHASSIS (RC-1090) USED IN MODEL 6T84 IS IDENTICAL TO THE RADIO CHASSIS USED IN MODEL 2T81. REFER TO PAGES 356 AND 357 FOR SERVICE INFORMATION ON RADIO CHASSIS RC-1090.

OPERATING INSTRUCTIONS

The following adjustments are necessary when turning the receiver on for the first time:

1. Turn the radio FUNCTION switch to TV.

2. Turn the receiver "ON" and advance the SOUND VOLUME control to approximately mid-position.

3. Set the STATION SELECTOR to the desired channel.

4. Adjust the FINE TUNING control for best sound fidelity and the SOUND VOLUME control for suitable volume.

5. Turn the BRIGHTNESS control fully counter-clockwise, then clockwise until a light pattern appears on the screen.

6. Adjust the VERTICAL hold control until the pattern stops vertical movement.

7. Adjust the HORIZONTAL hold control until a picture is obtained and centered.

8. Adjust the PICTURE and BRIGHTNESS controls for suitable picture contrast and brightness.

9. After the receiver has been on for some time, it may be necessary to readjust the FINE TUNING control slightly for improved sound fidelity.

10. In switching from one channel to another, it may be necessary to repeat steps 4 and 8.

11. When the set is turned on again after an idle period it should not be necessary to repeat the adjustments if the positions of the controls have not been changed. If any adjustment is necessary, step No. 4 is generally sufficient.

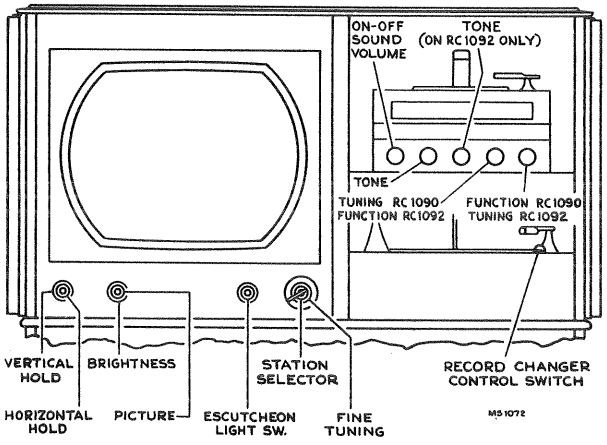


Figure 1—Receiver Operating Controls

12. If the positions of the controls have been changed, it may be necessary to repeat steps 1 through 8.

RADIO OPERATION

1. Turn the radio FUNCTION switch to AM.

2. Tune in the desired station with the TUNING control.

PHONOGRAPH OPERATION

1. Turn the radio FUNCTION switch to 78-33 for operation of the 78/33⅓ RPM changer or to 45 for operation of the 45 RPM changer.

2. Place a record on the appropriate changer and slip the changer power switch to "ON."

HIGH VOLTAGE WARNING

OPERATION OF THIS RECEIVER OUTSIDE THE CABINET OR WITH THE COVERS REMOVED, INVOLVES A SHOCK HAZARD FROM THE RECEIVER POWER SUPPLIES. WORK ON THE RECEIVER SHOULD NOT BE ATTEMPTED BY ANYONE WHO IS NOT THOROUGHLY FAMILIAR WITH THE PRECAUTIONS NECESSARY WHEN WORKING ON HIGH VOLTAGE EQUIPMENT. DO NOT OPERATE THE RECEIVER WITH THE HIGH VOLTAGE COMPARTMENT SHIELD REMOVED.

Connect the antenna transmission line to the receiver antenna terminals. Plug a power cord into the 115-volt a-c power source and into the receiver interlock receptacle. Turn the receiver power switch to the "on" position, the brightness control fully clockwise, and the picture control counter-clockwise.

ION TRAP MAGNET ADJUSTMENT.—Set the ion trap magnet approximately in the position shown in Figure 2. Starting from this position immediately adjust the magnet by moving it forward or backward at the same time rotating it slightly around the neck of the kinescope for the brightest raster on the screen. Reduce the brightness control setting until the raster is slightly above average brilliance. Turn the focus control (shown in Figure 2) until the line structure of the raster is clearly visible. Readjust the ion trap magnet for maximum raster brilliance. The final touches of this adjustment should be made with the brightness control at the maximum clockwise position with which good line focus can be maintained.

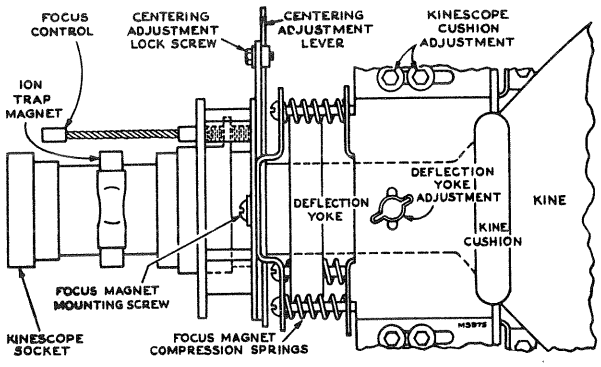


Figure 2—Yoke and Focus Magnet Adjustments

DEFLECTION YOKE ADJUSTMENT.—If the lines of the raster are not horizontal or squared with the picture mask, rotate the deflection yoke until this condition is obtained. Tighten the yoke adjustment wing screw.

PICTURE ADJUSTMENTS.—It will now be necessary to obtain a test pattern picture in order to make further adjustments.

If the Horizontal Oscillator and AGC System are operating properly, it should be possible to sync the picture at this point. However, if the AGC control is misadjusted, and the receiver is overloading, it may be impossible to sync the picture.

If the receiver is overloading, turn S105 on the rear apron (see Figure 3) counter-clockwise until the set operates normally and the picture can be synced.

CHECK OF HORIZONTAL OSCILLATOR ALIGNMENT.—Turn the horizontal hold control to the extreme counter-clockwise position. The picture should remain in horizontal sync. Momentarily remove the signal by switching off channel then back. Normally the picture will be out of sync. Turn the control clockwise slowly. The number of diagonal black bars will be gradually reduced, and when only 2 bars sloping downward to the left are obtained, the picture will pull into sync upon slight additional clockwise rotation of the control. Pull-in should occur when the control is approximately 90 degrees from the extreme counter-clockwise position. The picture should remain in sync for approximately 90 degrees of additional clockwise rotation of the control. At the extreme clockwise position, the picture should be out of sync and should show 1 vertical or diagonal black bar in the raster.

If the receiver passes the above checks and the picture is normal and stable, the horizontal oscillator is properly aligned. Skip "Alignment of Horizontal Oscillator" and proceed with "Focus Magnet Adjustment."

ALIGNMENT OF HORIZONTAL OSCILLATOR.—If in the above check the receiver failed to hold sync with the hold control at the extreme counter-clockwise position or failed to hold sync over 90 degrees of clockwise rotation of the control from the pull-in point, it will be necessary to make the following adjustments.

Horizontal Frequency Adjustment.—Turn the horizontal hold control to the extreme clockwise position. Tune in a television station and adjust the T108 horizontal frequency adjustment on top of the chassis until the picture is just out of sync and the horizontal blanking appears as a vertical or diagonal black bar in the raster.

Horizontal Locking Range Adjustment.—Set the horizontal hold control to the full counter-clockwise position. Momentarily remove the signal by switching off channel then back. The picture may remain in sync. If so turn the T108 top core slightly and momentarily switch off channel. Repeat until the picture falls out of sync with the diagonal lines sloping down to the left. Slowly turn the horizontal hold control clockwise and note the least number of diagonal bars obtained just before the picture pulls into sync.

If more than 2 bars are present just before the picture pulls into sync, adjust the horizontal locking range trimmer C147A slightly clockwise. If less than 2 bars are present, adjust C147A slightly counter-clockwise. Turn the horizontal hold control counter-clockwise, momentarily remove the signal and recheck the number of bars present at the pull-in point. Repeat this procedure until 2 bars are present.

Repeat the adjustments under "Horizontal Frequency Adjustment" and "Horizontal Locking Range Adjustment" until the conditions specified under each are fulfilled. When the horizontal hold operates as outlined under "Check of Horizontal Oscillator Alignment" the oscillator is properly adjusted.

If it is impossible to sync the picture at this point and the AGC system is in proper adjustment it will be necessary to adjust the Horizontal Oscillator by the method outlined in the alignment procedure. For field purposes paragraph "A" under Horizontal Oscillator Waveform Adjustment may be omitted.

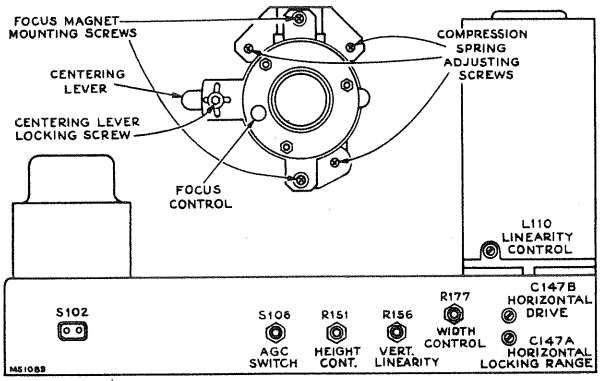


Figure 3—Rear Chassis Adjustments

FOCUS MAGNET ADJUSTMENT.—The focus coil should be adjusted so that there is approximately three-eighths inch of space between the rear cardboard shell of the yoke and the flat of the front face of the focus magnet. This spacing gives best average focus over the face of the tube.

The axis of the hole through the magnet should be parallel with the axis of the kinescope neck with the kinescope neck through the middle.

CENTERING ADJUSTMENT.—No electrical centering controls are provided. Centering is accomplished by means of a separate plate on the focus magnet. Some centering plates include a locking screw which must be loosened before centering, and others are held in adjustment by friction. Up and down adjustment of the plate moves the picture side to side and sidewise adjustment moves the picture up and down.

If a corner of the raster is shadowed, check the position of the ion trap magnet. Reposition the magnet within the range of maximum raster brightness to eliminate the shadow and recenter the picture by adjustment of the focus magnet plate. In no case should the magnet be adjusted to cause any loss of brightness since such operation may cause immediate or eventual damage to the tube. In some cases it may be necessary to shift the position of the focus magnet in order to eliminate a corner shadow.

WIDTH, DRIVE AND HORIZONTAL LINEARITY ADJUSTMENTS.—Adjustment of the horizontal drive control affects the high voltage applied to the kinescope. In order to obtain the highest possible voltage hence the brightest and best

focused picture, adjust horizontal drive counter-clockwise as far as possible without stretching the left side of the picture. As a first adjustment, set the horizontal drive trimmer C143B one-half turn out from maximum capacity.

Turn the horizontal linearity coil out until appreciable loss in width occurs, then in until nearly maximum width and the best linearity is obtained.

Adjust the width control R177 to obtain correct picture width.

A slight readjustment of these three controls may be necessary to obtain the best linearity.

HEIGHT AND VERTICAL LINEARITY ADJUSTMENTS.—Adjust the height control (R151 on chassis rear apron) until the picture fills the mask vertically. Adjust vertical linearity (R156 on rear apron), until the test pattern is symmetrical from top to bottom. Adjustment of either control will require a readjustment of the other. Adjust centering to align the picture with the mask.

FOCUS.—Adjust the focus magnet for maximum definition in the test pattern vertical "wedge" and best focus in the white areas of the pattern.

On focus magnets using two shunts, the one with the cable is the "fine adjustment" and the other is the "focus range" adjustment. In general, the two shunts should be adjusted to approximately equal positions.

Recheck the position of the ion trap magnet to make sure that maximum brightness is obtained.

Check to see that the cushion and yoke thumbscrews and the focus coil mounting screws are tight.

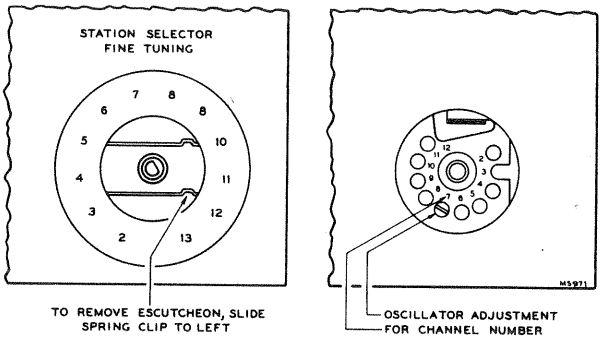


Figure 4—R-F Oscillator Adjustments

CHECK OF R-F OSCILLATOR ADJUSTMENTS.—Tune in all available stations to see if the receiver r-f oscillator is adjusted to the proper frequency on all channels. If adjustments are required, these should be made by the method outlined in the alignment procedure. The adjustments for channels 2 through 12 are available from the front of the cabinet by removing the station selector escutcheon as shown in Figure 4. Adjustment of channel 13 is on top of the chassis.

AGC CONTROL.—The AGC control switch is provided as an installation adjustment. The normal position for strong signal areas is with the switch in the number 1 or counter-clockwise position. If impulse type of interference is experienced, turn the switch to the number 2 or center position. In very weak signal areas in which impulse type interference is experienced, turn the switch to position number 3 or fully clockwise. In this position, all AGC is removed and the receiver will overload if the input signal exceeds 200 microvolts. However, for signals under 200 microvolts, this position of the AGC control switch gives best noise immunity of sync.

FM TRAP ADJUSTMENT.—In some instances interference may be encountered from a strong FM station signal. A trap is provided to eliminate this type of interference. To adjust the trap tune in the station on which the interference is observed and adjust the L203 core on top of the r-f unit for minimum interference in the picture.

CAUTION.—In some receivers, the FM trap L203 will tune down into channel 6 or even into channel 5. Needless to say, such an adjustment will cause greatly reduced sensitivity on these channels. If channels 5 or 6 are to be received, check L203 to make sure that it does not affect sensitivity on these two channels.

VENTILATION CAUTION.—The receiver is provided with adequate ventilation holes in the bottom and back of the cabinet. Care should be taken not to allow these holes to be covered or ventilation to be impeded in any way.

If the receiver is to be operated with the back of the cabinet near a wall, at least a two-inch clearance should be maintained between cabinet and wall.

CHASSIS REMOVAL.—To remove the chassis from the cabinet for repair or installation of a new kinescope, remove the control knobs, the cabinet back, unplug the speaker cable, the kinescope socket, the antenna cable, the yoke and high voltage cable. Remove the yoke frame grounding strap and the interlock switch. Take out the six chassis bolts under the cabinet. Withdraw the chassis from the back of the cabinet.

KINESCOPE HANDLING PRECAUTION.—Do not install, remove, or handle the kinescope in any manner, unless shatter-proof goggles and heavy gloves are worn. People not so equipped should be kept away while handling the kinescope. Keep the kinescope away from the body while handling.

To remove the kinescope from the cabinet, take out the four screws and one wing screw which hold the yoke frame to the cabinet. Remove the kinescope, the yoke frame with yoke and focus magnet as an assembly.

INSTALLATION OF KINESCOPE.—Handle this tube by the metal rim at the edge of the screen. Do not cover the glass bell of the tube with fingermarks as it will produce leakage paths which may interfere with reception. If this portion of the tube has inadvertently been handled, wipe it clean with a soft cloth moistened with "dry" carbon tetrachloride.

Wipe the kinescope screen surface and front panel safety glass clean of all dust and fingermarks with a soft cloth moistened with "Windex" or similar cleaning agent.

Turn the tube so that the key on the base of the tube will be down and insert the neck of the kinescope through the deflection coil and focus magnet. If the tube sticks, or fails to slip into place smoothly, investigate and remove the cause of the trouble. Do not force the tube.

Replace the kinescope and yoke frame assembly in the cabinet. Insert the four screws and wing screw and tighten.

Slip the kinescope as far forward as possible. Slide the kinescope cushion firmly up against the flare of the tube and tighten the adjustment wing screws. Slide the deflection yoke as far forward as possible. If this is not done, difficulty will be encountered in adjusting the ion trap and focus magnets because of shadows on the corner of the raster.

Slide the chassis into the cabinet, then insert and tighten the six chassis bolts.

Slip the ion trap magnet over the neck of the kinescope.

Connect the kinescope socket to the tube base and connect the high voltage lead clip from the rim of the kinescope into the high voltage bushing on the high voltage compartment.

Reconnect all other cables. Perform the entire set-up procedure beginning with ion Trap Magnet Adjustment.

RADIO OPERATION.—Turn the receiver function switch to the positions and check the radio for proper operation. In switching from radio to television or from television to radio, approximately 30 seconds warm-up time is required.

RECORD CHANGER OPERATION.—Turn the receiver function switch to each phono position and check each record player for proper operation.

Replace the cabinet back and connect the receiver antenna leads to the cabinet back. Make sure that the screws holding it are up tight, otherwise it may rattle or buzz when the receiver is operated at high volume.

CABINET ANTENNA.—A cabinet antenna is provided for use in strong signal areas in which no reflections are experienced. The leads from the antenna are brought out near the receiver antenna terminal board. To connect the cabinet antenna, attach the leads to the terminal board. If reception is satisfactory, no other antenna is necessary. However, if reception is unsatisfactory, it will be necessary to employ an outdoor antenna or an indoor antenna which can be oriented.

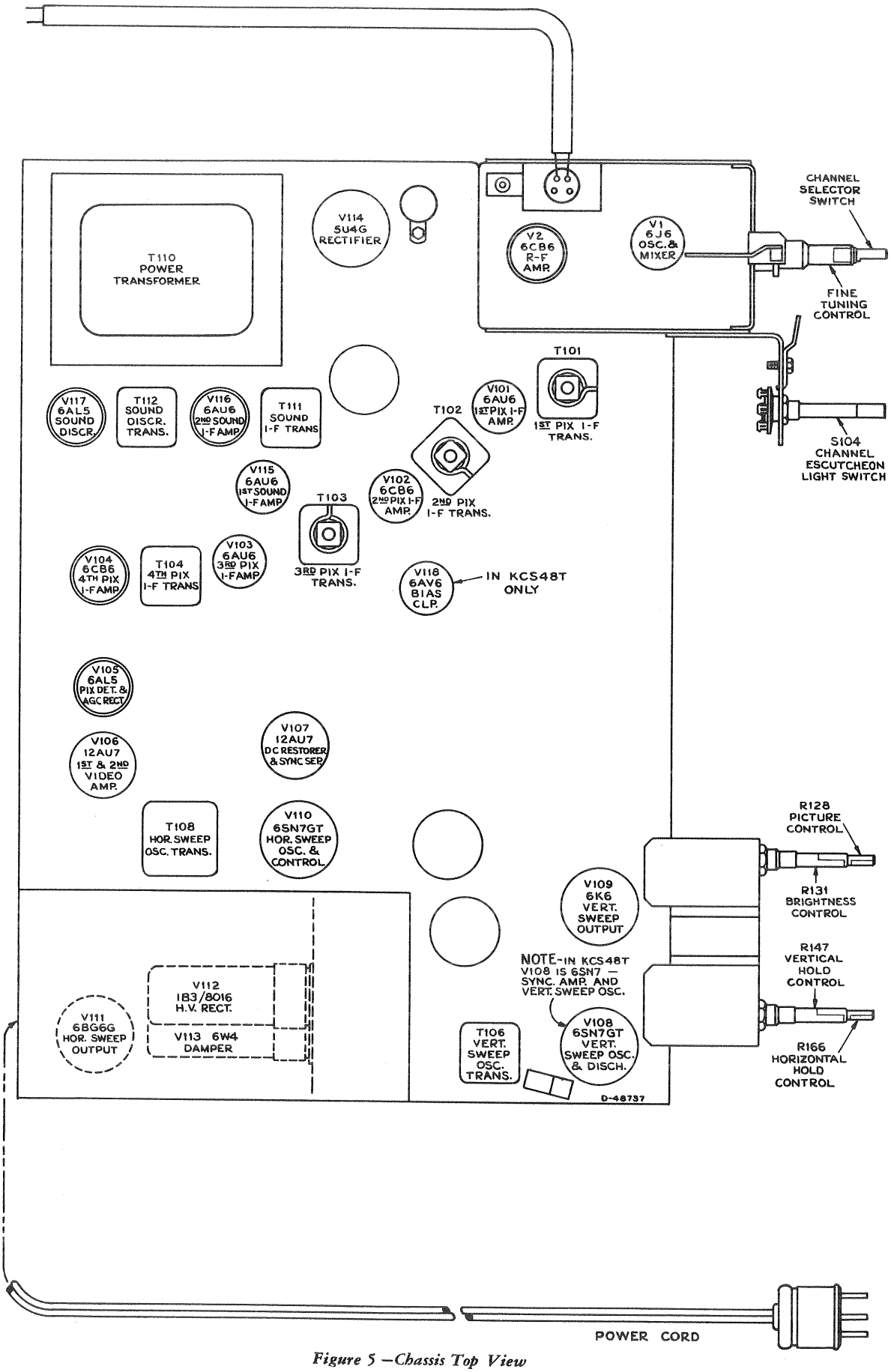


Figure 5 —Chassis Top View

6T84, 6T86, 6T87 RADIO ALIGNMENT PROCEDURE

If any lead dressing is necessary, it should be done before aligning the receiver. When making a complete alignment follow the table below in sequence. If only a portion of the circuit is to be aligned select the portion required and follow with the remaining steps in the section. Any adjustments made on the 455 kc. I-F's make it necessary to adjust the 10.7 mc. I-F's.

"AM" R-F—I-F ALIGNMENT

Test-Oscillator.—For all alignment operations, connect low side of the test-osc. to the receiver chassis, and keep the osc. output as low as possible to avoid a-v-c action. **Output Meter.**—Connect the meter across the speaker voice coil, and turn the receiver volume control to max. Turn tone controls for maximum highs and maximum lows. Before aligning set, completely mesh the gang and set the dial pointer to the mechanical max. calibration point at extreme left end of dial.

Steps	Connect the High Side of the Test Osc. to—	Tune Test Osc. to—	Function Switch	Turn Radio Dial to—	Adjust the following
1	Stator of C1-4	455 kc. Modulated	AM	Low Freq. end of Dial	†Top and bot. cores of T4 and T2. (For max. voltage across voice coil.)
2	Ant. terminal through dummy ant. of 200 mmfs.	1,620 kc.	AM	Min. capacity	Osc. C1-2T for maximum output.
3		1,400 kc.	AM	Tune to signal	C1-4T and C1-5T for max. output.
4		600 kc.	AM	600 kc.	‡Osc. L5 and R-FL7.
5	Repeat steps 2, 3 and 4 for maximum output at 600 kc. and 1,400 kc.				

† First peak T2 and T4 then starting with T4, use alternate loading. Connect a 47,000-ohm resistor across the primary to load the plate winding while the grid winding of the same transformer is being peaked. Then load the grid winding with the 47,000-ohm resistor while the plate winding is being peaked.

‡ With a 10,000-ohm resistor clipped across C1-4, peak the oscillator core L5, simultaneously "rocking" the gang condenser for maximum output. Then, remove the 10,000-ohm shunt resistor and peak L7 for maximum output.

FM ALIGNMENT PROCEDURE

Connect probe of "VoltOhmyst" to negative side of C40 and low side to chassis. Connect output meter across speaker voice coil. Turn the tone controls for maximum highs and lows.

Steps	Connect the High side of the Test Osc. to—	Tune Test Osc. to—	Function Switch	Radio Dial Tuned to—	Adjust
6	Pin No. 1 of 6AU6 (V4) in series with .01 mfd.	10.7 mc.	FM	———	Top of Driver Trans. T5 for maximum DC on "VoltOhmyst."
7	Pin No. 1 of 6AU6 (V4) in series with .01 mfd.	30% AM Modulated	FM	———	Bottom of Driver Trans. T5 for minimum audio output on meter.
8	Repeat steps 6 and 7 as necessary making final adjustment with r-f input level set to give approximately —4.0 volts d-c on "VoltOhmyst."				
9	Through 470 ohms to stator. of C1-3, gang at max. Connect gnd. of cable close to V2 cathode ground on r-f shelf.	10.7 mc.	FM	88 mc.	*T3 then T1 for max. with r-f input set to give —3 volts on "VoltOhmyst" connected across C40.
10	Connect cable to antenna terminals through 120 ohms in each side of line.	90 mc.	FM	90 mc.	OSC. L8 for max. voltage across C40.
11		106 mc.	FM	Tune to signal	ANT. C1-3 and R-F C1-6 for max. voltage across C40.
12		90 mc.	FM	Tune to signal	ANT. L1 and R-F L2 for max. voltage across C40.
13	Repeat steps 10, 11 and 12 as required.				
14	Connect a sweep generator to the antenna terminals through 120 ohms in each side of line. Connect an oscilloscope to Junction of R44 and C41 and check response and linearity of FM band. Peak to peak separation should not be less than 180 kc.				

* Use a 680-ohm resistor to load the plate winding while the grid winding of the same transformer is being peaked. Then the grid winding is loaded with 680-ohm resistor while the plate winding is being peaked. When windings are loaded, it is necessary to increase the 10.7 mc. input, since gain will decrease and voltage across C40 will be less.

CRITICAL LEAD DRESS:

1. The 2.2 meg. mixer grid resistor should have a minimum practicable amount of lead extending on the grid end.
2. The first AM and first FM i-f plate leads should be dressed away from the range switch wafer.
3. The ground strap between the r-f shelf and the main chassis should be well soldered and kept as short as practicable.
4. Arrange wiring to prevent the filament wire between mixer and 1st i-f tubes from passing near the mixer grid, or the AVC wiring.
5. Dress filament wires away from 1st audio and inverter coupling condensers.
6. Dress ac power switch wires away from the audio coupling condenser which is wired to the volume control.
7. Dress the mixer grid coupling condenser away from the lugs on the front range switch wafer.
8. The 1st i-f tube AVC and screen by-pass condensers should ground at same point as cathode neutralizing loop.
9. The discriminator tube plate and screen by-pass condensers should ground at the same point as the neutralizing loop.
10. The mixer plate by-pass should ground as close to the r-f shelf ground strap as practicable.
11. The shielded audio leads connecting to the front function switch wafer should have a min. of exposed lead on the function switch end.

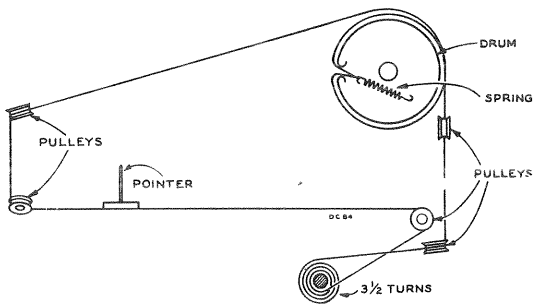


Figure 6—Dial and Drive Cord Assembly

TUBE AND TRIMMER LOCATIONS—VOLTAGE DATA

6T84, 6T86, 6T87

Voltages measured with Chanalyst or VoltOhmyst and should hold within ±20% with rated line voltage. Tuning condenser closed—no signal input.

Tube	Terminal	Voltage		
		Phono	A.M.	F.M.
V1 6CB6 R.F. Amp.	Plate 5	—	203	132
	Screen 6	—	48	39
	Cathode 2	—	0.2	0.2
	Grid 1	—	−1.1	−0.9
V2 6J6 Mixer and Osc.	Plate 2	—	55	51
	Grid 5	—	−1.4	−1.2
	Plate 1	—	33	27
	Grid 6	—	−2.1	−1.9
V3 6BA6 I.F. Amp.	Plate 5	—	192	188
	Screen 6	—	106	101
	Cathode 7	—	0.9	
	Grid 1	—	−1.1	−0.35
V4 6AU6 Driver	Plate 5	—	186	180
	Screen 6	—	122	120
	Cathode 7	—	1.05	1.07
V5 6AL5 Ratio Det.	—— ——	—	—	—
V6 6AV6 A.F. Amp.	Plate 7	112	94	94
	Grid 1	−0.7	−0.7	−0.7
V7 6C4 Ph. Inverter	Plate 1–5	125	87	85
	Grid 6	−19.2	−16	−16
	Cathode 7	−11.1	−11.4	−11.4
V8 6V6GT or Output V9	Plate 3	305	295	298
	Screen 4	299	208	204
	Grid 5	−19.2	−16	−16
V10 5Y36T Rectifier	Filament 2	314	313	313

Cathode Currents (Ma.)

Tube	Terminal	Phono	A.M.	F.M.
V1 6CB6	2	—	3	3
V2 6J6	7	—	2.6	2.6
V3 6BA6	7	—	13.2	14.7
V4 6AU6	7	—	9.3	9
V5 6AL5	1 & 5	—	—	—
V6 6AV6	2	0.8	0.5	0.5
V7 6C4	7	2.2	1.5	1.5
V8 6V6GT	8	35.6	17.8	17.7
V9 6V6GT	8	35.6	17.8	17.7
10 5Y3GT	2	74.2	73.6	74.2

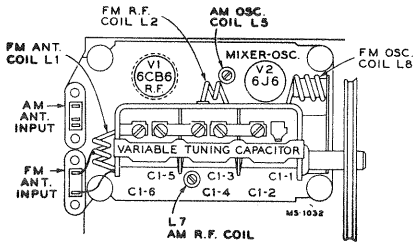


Figure 7—F. M. Coil Locations

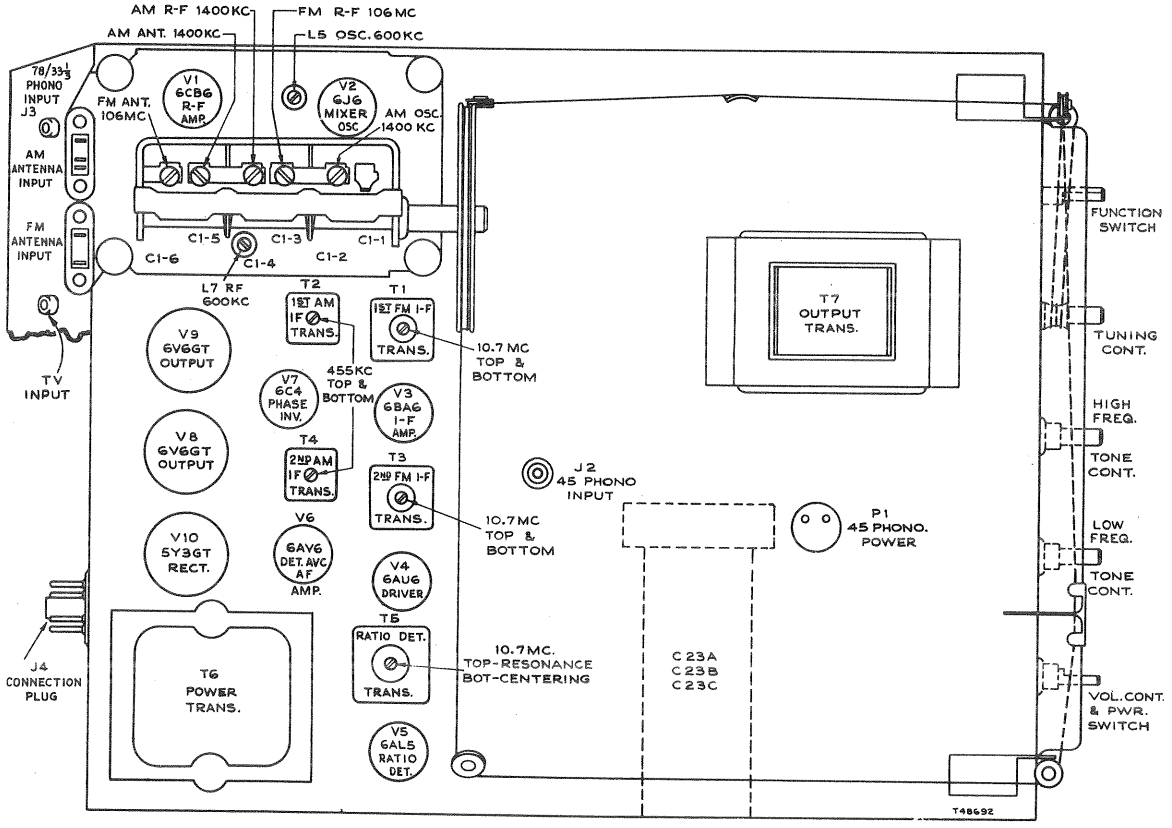


Figure 8—Chassis, Top View, Showing Adjustments

6T84, 6T86, 6T87

RC1092
RADIO SCHEMATIC DIAGRAM

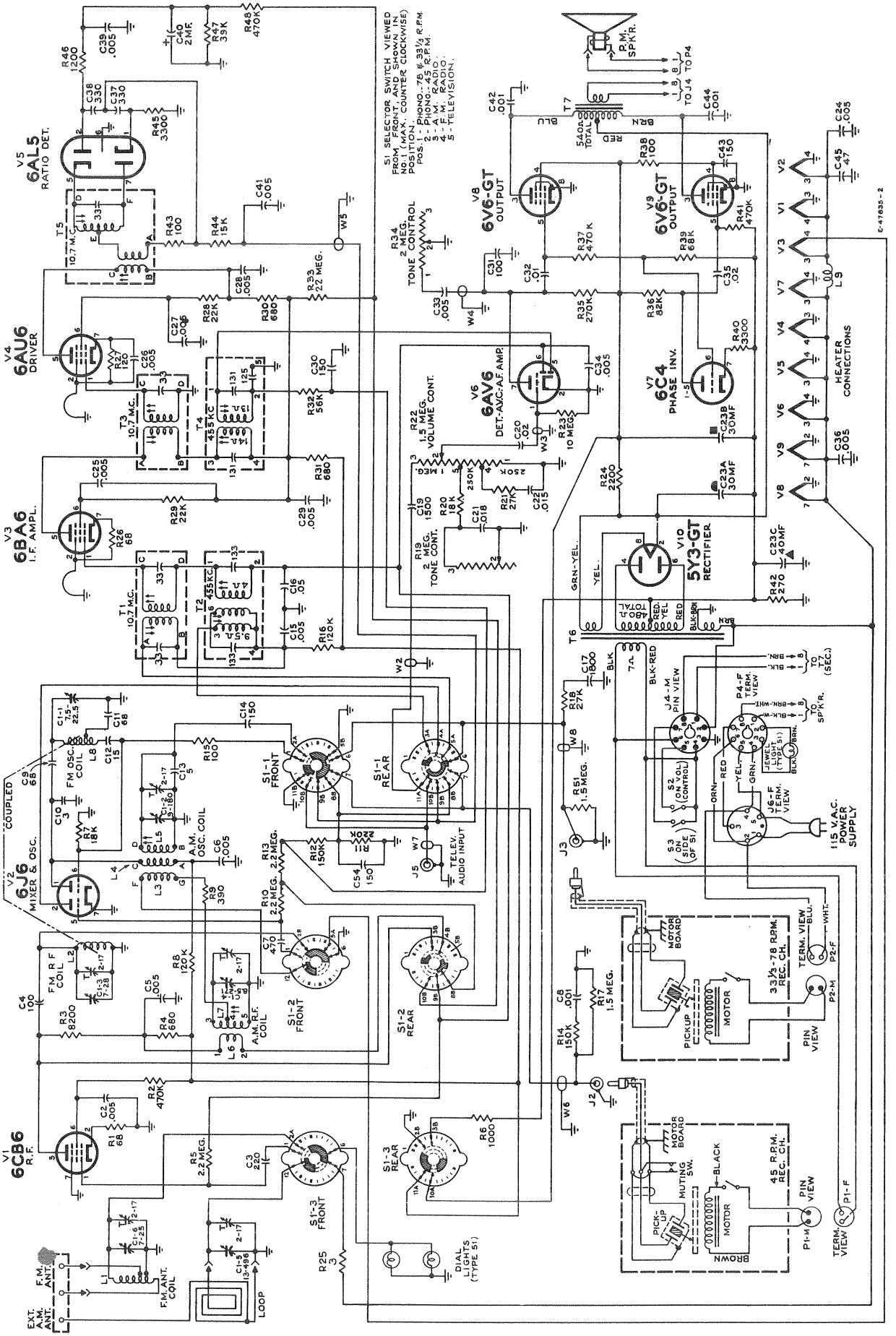


Figure 9—RC1092 Radio Schematic Diagram

In some receivers C25 was connected from V3-6 to grd. R8 was 33K and R16 was 39K.

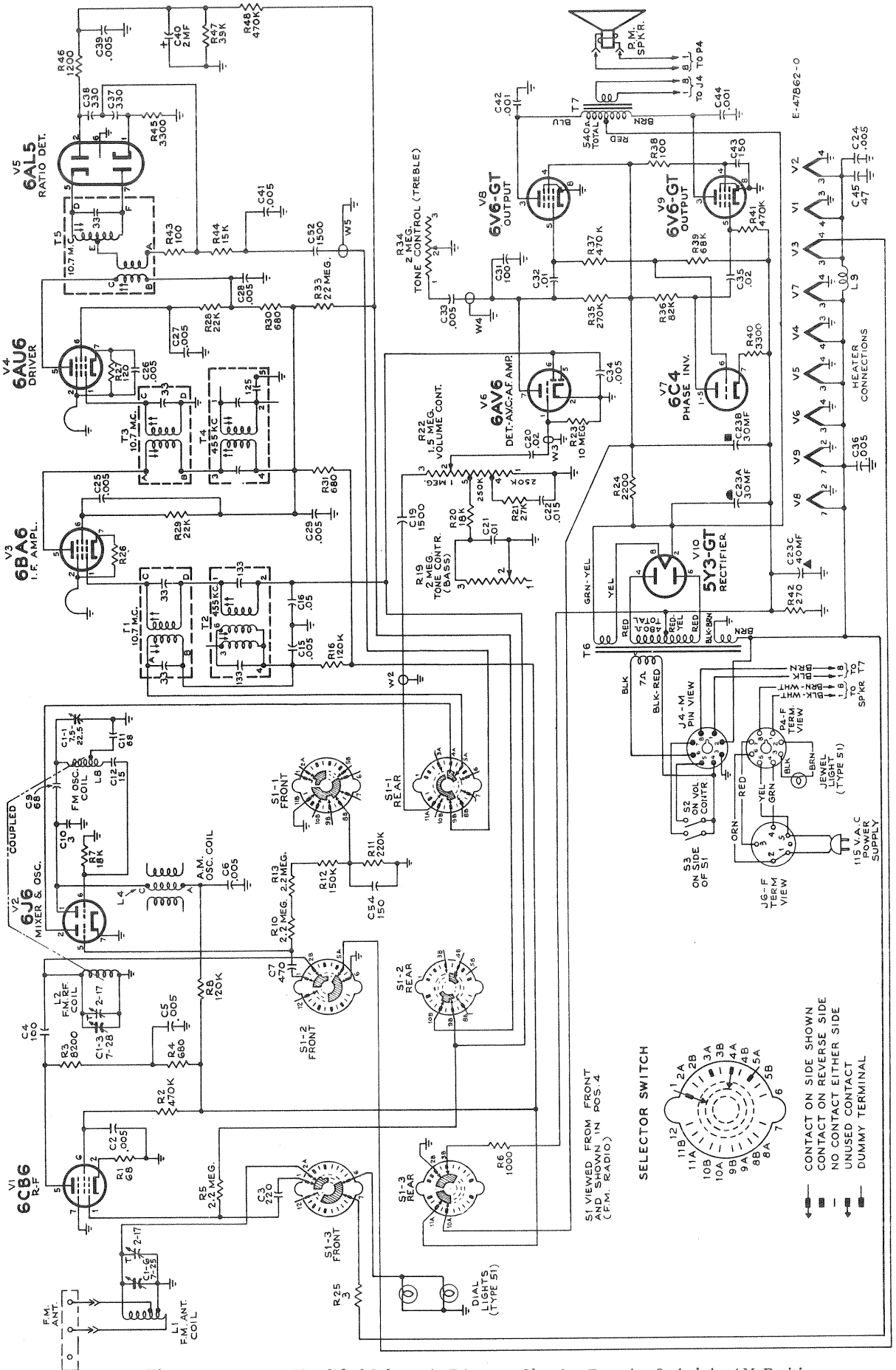
The cathode loops of V3 and V4 are approx. 2 in. long. Do not alter length.

In some receivers R2 was 33K. In some receivers C17 and R18 were connected at R51 and J3 and W8 was omitted.

In some receivers C17 was 1500 and was connected between R18 & SI-1 to gnd. R18 was 100K and was connected between J3 and SI-1 rear. R51 was omitted.

RC1092
SIMPLIFIED RADIO SCHEMATIC DIAGRAM

6T84, 6T86, 6T87



In some receivers C25 was connected from V3-6 to gnd. R8 was 33K and R16 was 39K. The cathode loops of V3 and V4 are approx. 2 in. long. Do not alter length.

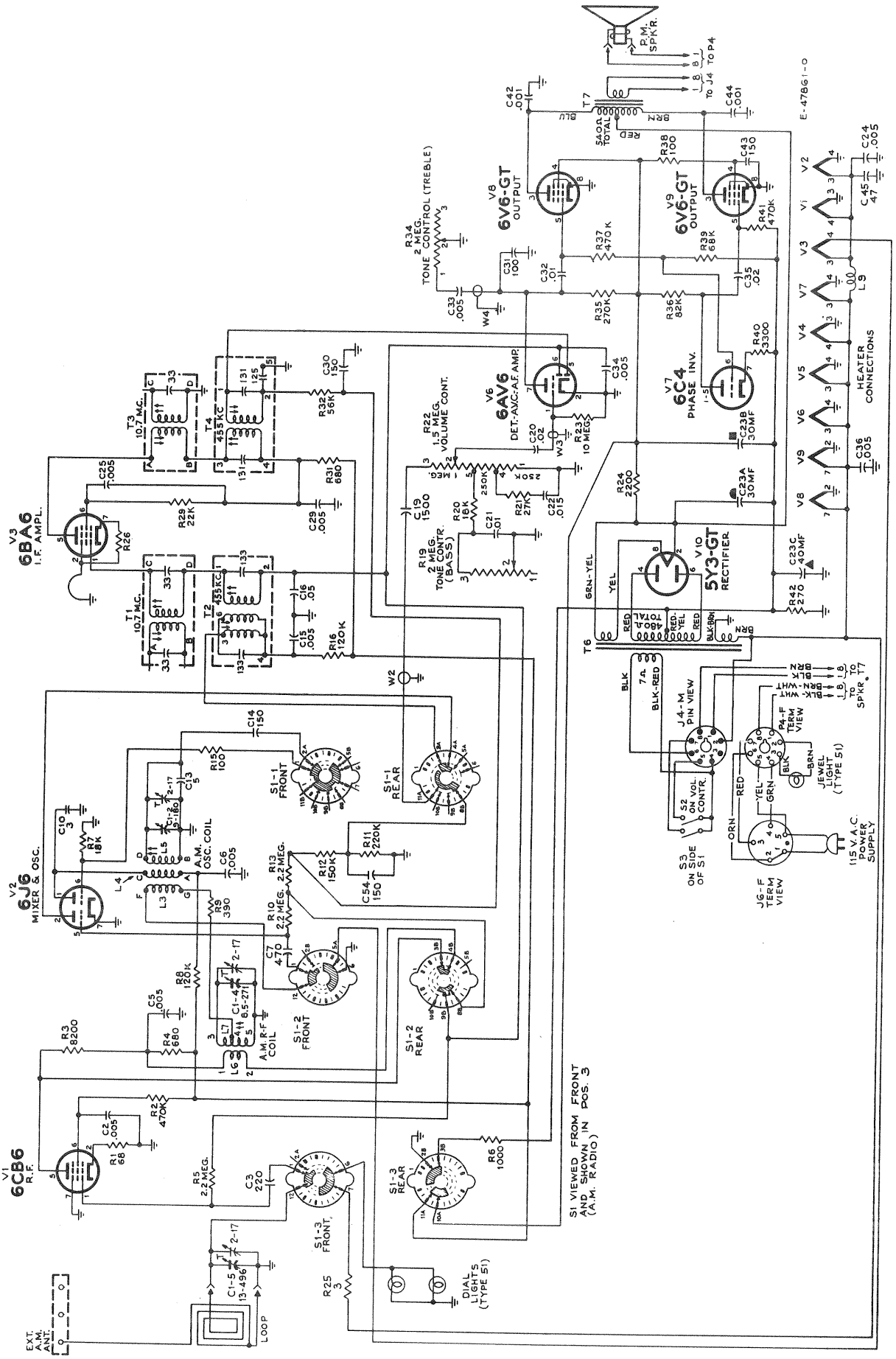
In some receivers R2 was 33K. In some receivers C17 and R18 were connected at R51 and J3 and W8 was omitted.

In some receivers C17 was 1500 and was connected between R18 & S1-1 to gnd. R18 was 100K and was connected between J3 and S1-1 rear. R51 was omitted.

Figure 10—RC1092 Simplified Schematic Diagram Showing Function Switch in AM Position

6T84, 6T86, 6T87

RC1092
SIMPLIFIED RADIO SCHEMATIC DIAGRAM



In some receivers C17 was 1500 and was connected between R18 & S1-1 to gnd. R18 was 100K and was connected between J3 and S1-1 rear. R51 was omitted.

In some receivers R2 was 33K. In some receivers C17 and R18 were connected at R51 and J3 and W8 was omitted.

In some receivers C25 was connected from V3-6 to gnd. R8 was 33K and R16 was 39K. The cathode loops of V3 and V4 are approx. 2 in. long. Do not alter length.

Figure 11—Simplified Radio Schematic Diagram Showing Function Switch in FM Position

VOLTAGE CHART

The following measurements represent two sets of conditions. In the first condition, a 2500 microvolt test pattern signal was fed into the receiver, the picture synced and the AGC control properly adjusted. The second condition was obtained by removing the antenna leads and short circuiting the receiver antenna terminals. Voltages shown are read with a type WV97A senior "VoltOhmyst" between the indicated terminal and chassis ground and with the receiver operating on 117 volts, 60 cycles, a-c. The symbol < means less than.

Tube No.	Tube Type	Function	Operating Condition	E. Plate		E. Screen		E. Cathode		E. Grid		I Plate (ma.)	I Screen (ma.)	Notes on Measurements
				Pin No.	Volts	Pin No.	Volts	Pin No.	Volts	Pin No.	Volts			
V1	6J6	Mixer	2500 Mu. V. Signal	2	144	—	—	7	0	5	−2.3	6.6	—	
			No Signal	2	135	—	—	7	0	5	−2.1	5.6	—	
V1	6J6	R-F Oscillator	2500 Mu. V. Signal	1	100	—	—	7	0	6	*−3.0	4.0	—	*Depending upon channel
			No Signal	1	96	—	—	7	0	6	*−2.7	3.9	—	
V2	6AG5	R-F Amplifier	2500 Mu. V. Signal	5	250	6	130	2	0.1	1	−3.4	3.0	0.6	
			No Signal	5	166	6	84	2	0.4	1	−0.2	10.3	2.3	
V101	6AU6	1st Pix. I-F Amplifier	2500 Mu. V. Signal	5	195	6	222	7	0.3	1	−5.0	1.7	0.8	
			No Signal	5	121	6	135	7	0.8	1	−0.8	5.2	2.2	
V102	6CB6	2nd Pix. I-F Amplifier	2500 Mu. V. Signal	5	222	6	203	2	0.3	1	−5.0	2.0	0.7	
			No Signal	5	124	6	112	2	0.8	1	−0.8	5.5	1.6	
V103	6AU6	3d Pix. I-F Amplifier	2500 Mu. V. Signal	5	185	6	225	7	0.2	1	−5.0	1.7	0.7	
			No Signal	5	94	6	132	7	0.5	1	−0.75	4.9	2.0	
V104	6CB6	4th Pix. I-F Amplifier	2500 Mu. V. Signal	5	165	6	142	2	2.25	1	0	9.6	3.1	
			No Signal	5	118	6	132	2	2.1	1	0	9.0	3.1	
V105	6AL5	Picture 2d Det.	2500 Mu. V. Signal	7	−2.0	—	—	1	0	—	—	0.3	—	
			No Signal	7	−0.5	—	—	1	0	—	—	<0.1	—	
V105	6AL5	AGC Rectifier	2500 Mu. V. Signal	2	−9.5	—	—	5	0	—	—	<0.1	—	
			No Signal	2	−2.0	—	—	5	0	—	—	<0.1	—	
V106	12AU7	1st Video Amplifier	2500 Mu. V. Signal	1	100	—	—	3	1.2	2	−2.3	3.6	—	At maximum contrast
			No Signal	1	54	—	—	3	0.9	2	−0.5	2.6	—	
			2500 Mu. V. Signal	1	190	—	—	3	9.0	2	−2.6	0.9	—	At minimum contrast
			No Signal	1	122	—	—	3	6.9	2	−0.5	0.6	—	
V106	12AU7	2d Video Amplifier	2500 Mu. V. Signal	6	330	—	—	8	125	7	118	9.3	—	At maximum contrast
			No Signal	6	295	—	—	8	121	7	110	13.6	—	
			2500 Mu. V. Signal	6	300	—	—	8	131	7	120	12.9	—	At minimum contrast
			No Signal	6	295	—	—	8	121	7	110	13.6	—	
V107 A	12AU7 KCS48	D-C Rest. & Sync Sep.	2500 Mu. V. Signal	1	5.0	—	—	3	45.5	2	−4.7	<0.1	—	At maximum contrast
	KCS48		No Signal	1	5.5	—	—	3	8.5	2	−0.7	<0.1	—	
V107 B	12AU7 KCS48	Sync Sep. & Amplifier	2500 Mu. V. Signal	6	36	—	—	8	6.0	7	4.7	4.0	—	
	KCS48		No Signal	6	36	—	—	8	6.0	7	5.5	2.8	—	

VOLTAGE CHART

Tube No.	Tube Type	Function	Operating Condition	E. Plate		E. Screen		E. Cathode		E. Grid		I Plate (ma.)	I Screen (ma.)	Notes on Measurements
				Pin No.	Volts	Pin No.	Volts	Pin No.	Volts	Pin No.	Volts			
V107	12AU7 KCS48T	DC Rest & Sync Sep	2500 Mu. V. Signal	1	10	—	—	3	45	2	−4.5	—	—	At Maximum Contrast
	KCS48T		No Signal	1	8	—	—	3	1.7	2	−0.4	—	—	
	KCS48T		2500 Mu. V. Signal	6	7.2	—	—	8	54	7	0	—	—	
	KCS48T		No Signal	6	7.0	—	—	8		7	0	—	—	
V108A	6SN7 KCS48T	Sync Amp	2500 Mu. V. Signal	5	50	—	—	6	7.8	4	7.4	—	—	
	KCS48T		No Signal	5	46	—	—	6	7.0	4	7.0	—	—	
V108	6SN7 GT	Vertical Oscillator	2500 Mu. V. Signal	2	*395	—	—	3	0	1	*−58	0.4	—	*Depends on Setting of height control
			No Signal	2	395	—	—	3	0	1	*−58	0.4	—	
V109	6K6GT 6SNT	Vertical Output	2500 Mu. V. Signal	3	370	4	370	8	51	5	0	11.5	1.9	
			No Signal	3	365	4	365	8	51	5	0	11.4	1.9	
V110	6SN7 GT	Horizontal Osc. Control	2500 Mu. V. Signal	2	*160	—	—	3	*−4.6	1	*−14.6	0.32	—	*Depends on Setting of hold control
			No Signal	2	*152	—	—	3	*−4.4	1	*−3.5	0.28	—	
V110	6SN7 GT	Horizontal Oscillator	2500 Mu. V. Signal	5	230	—	—	6	0	4	−82	1.8	—	
			No Signal	5	225	—	—	6	0	4	−85	1.8	—	
V111	6BG6G	Horizontal Output	2500 Mu. V. Signal	5	*630	8	335	3	7.2	5	−33	67	5.0	*6000 volt pulse present
			No Signal	5	*630	8	329	3	7.2	5	−33	67.1	4.9	
V112	1B3GT /8016	H. V. Rectifier	Brightness Min.	Cap	*	—	—	2 & 7	11,000	—	—	0	—	*12000 volt pulse present
			Brightness Max.	Cap	*	—	—	2 & 7	12,200	—	—	0.1	—	
V113	6W4 GT	Damper	2500 Mu. V. Signal	5	387	—	—	3	*	—	—	69	—	*3000 volt pulse present
			No Signal	5	380	—	—	3	*	—	—	70	—	
V114	5U4G	Rectifier	2500 Mu. V. Signal	4 & 6	*368	—	—	2 & 8	391	—	—	185	—	*AC measured with AC Voltmeter
			No Signal	4 & 6	*367	—	—	2 & 8	387	—	—	199	—	
V115	6AU6	1st Sound I-F. Amp.	2500 Mu. V. Signal	5	120	6	120	7	0.8	1	−0.2	6.8	2.9	
			No Signal	5	108	6	108	7	0.8	1	−0.1	6.2	2.8	
V116	6AU6	2d Sound I-F Amp.	2500 Mu. V. Signal	5	118	6	87	7	0	1	−1.3	4.9	2.8	
			No Signal	5	110	6	76	7	0	1	−0.5	6.9	3.1	
V117	6AL5	Sound Discrim.	2500 Mu. V. Signal	2	−7.2	—	—	5	0	—	—	<0.1	—	
			No Signal	2	−10.0	—	—	5	0	—	—	<0.1	—	
V118	6AV6 KCS48T	Bias Clamp	2500 Mu. V. Signal	7	0	—	—	2	0	1	−3.4	—	—	
	KCS48T		No Signal	7	0	—	—	2	0	1	−0.2	—	—	
V120	16GP4	Kinescope	2500 Mu. V. Signal	Cone	11,000	10	384	11	100	2	46	<0.1	<0.1	
			No Signal	Cone	12,200	10	375	11	74	2	8.3	<0.1	<0.1	

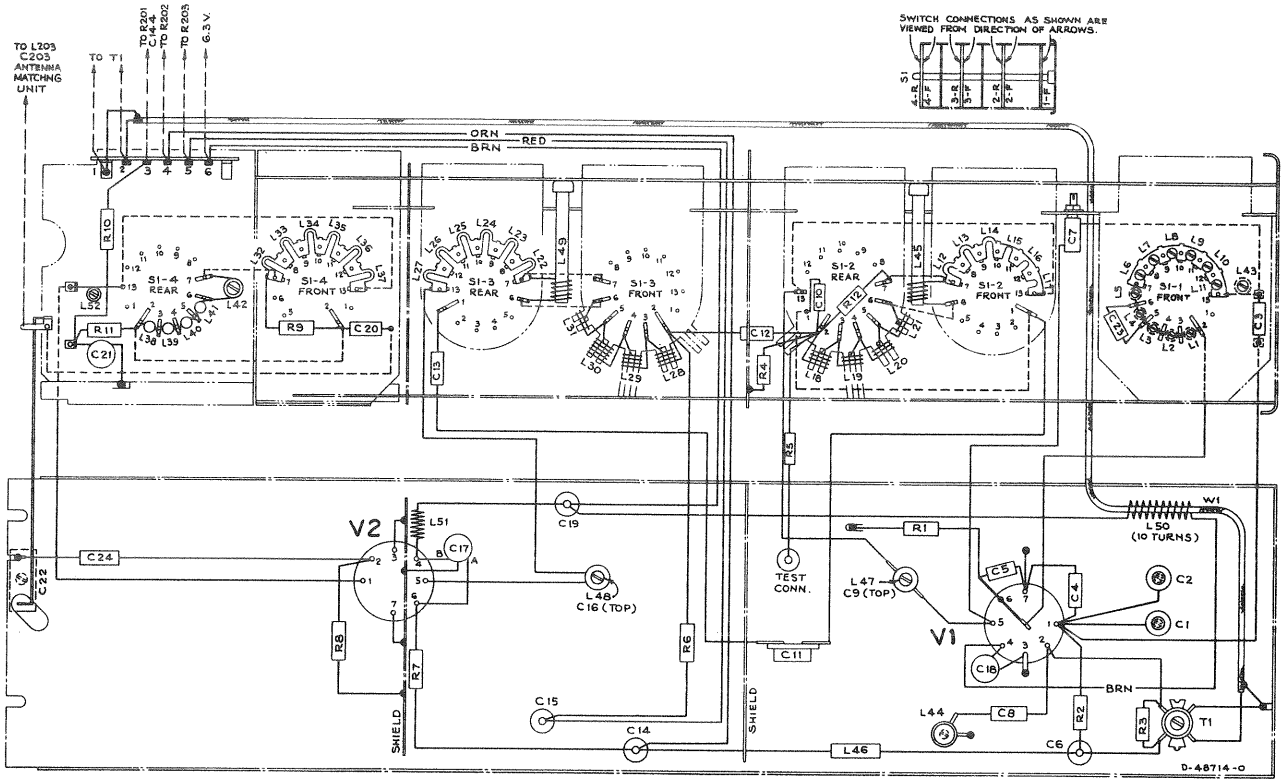
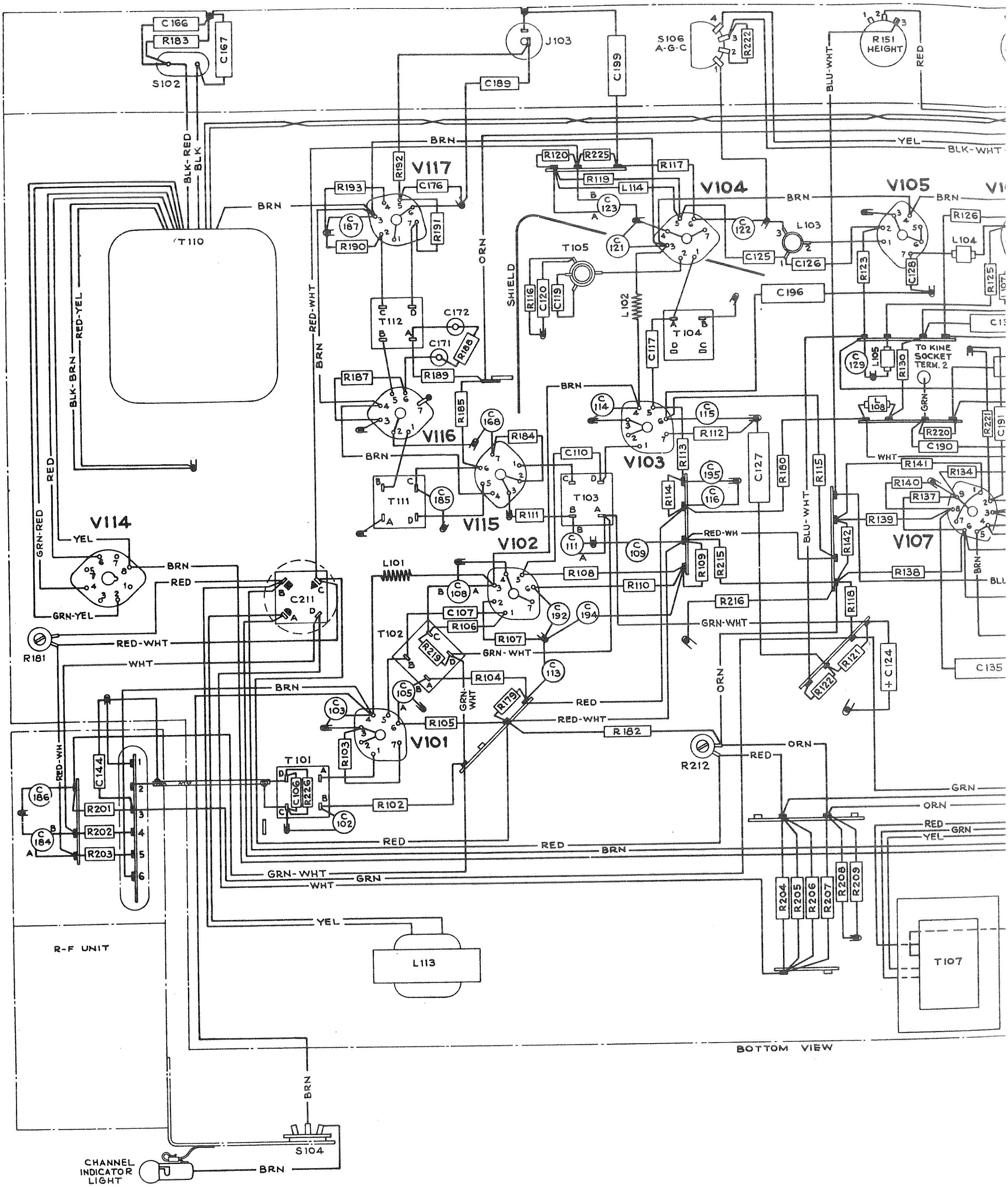
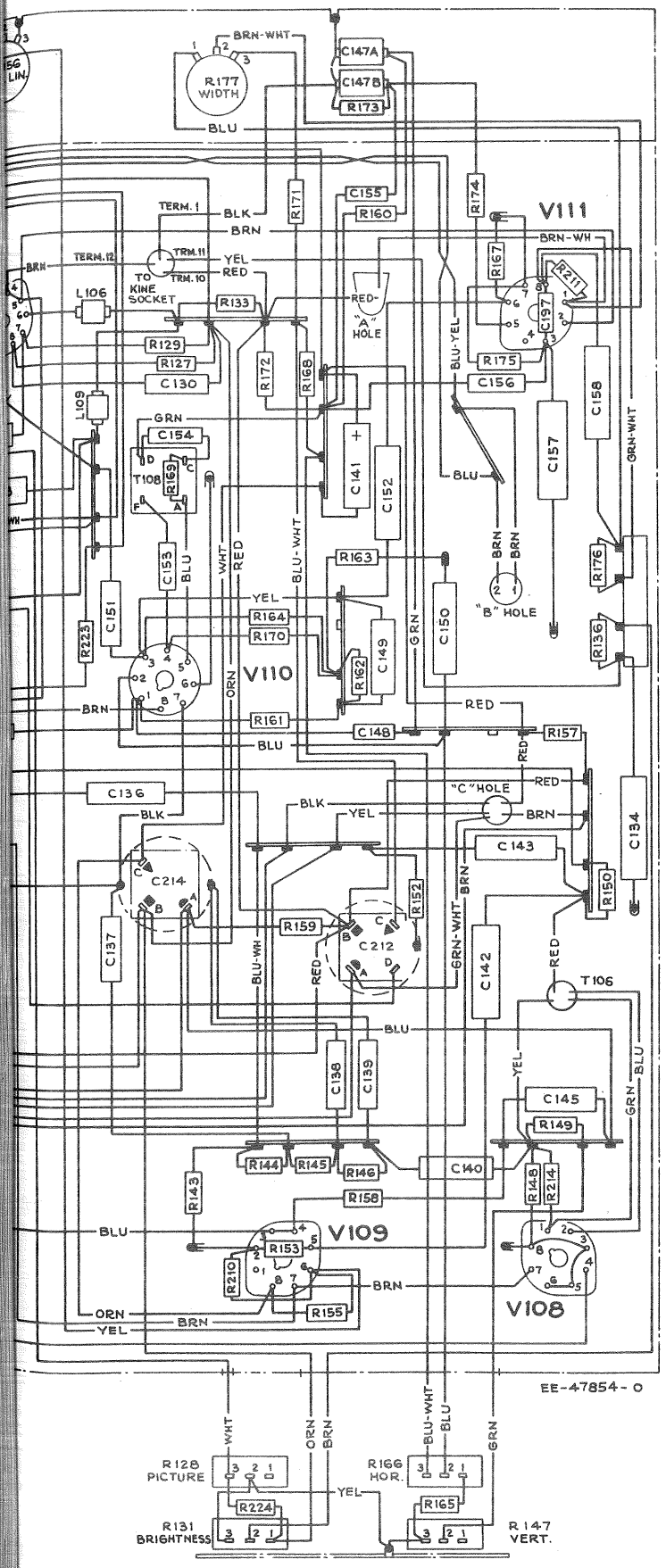


Figure 12—Television R-F Unit Wiring Diagram

TELEVISION CRITICAL LEAD DRESS

1. All leads in the picture and sound i-f circuits must be dressed as short and direct as possible with the exception of C106, C107, C110 and C117 which are to be dressed with enough slack so as not to have to move the body of the capacitor to align that particular stage.
2. Dress all 1500 mmf .005 mfd and .01 mfd capacitors in the i-f section with leads as short as possible.
3. Dress all wires between T101 and the r-f unit in clamp.
4. Dress C185 to act as shield for lead between pin 5 of V115 socket to T111D and picture i-f circuits.
5. Dress the bodies of resistors R106, R108, R113, R119, R191, R192 and capacitor C176 as close to tube pin as possible.
6. Dress L114 with coded end as close to pin 2 of U105 socket as possible.
7. The length of the bus wire from pin 2 of V116 to ground should not be shortened or rerouted.
8. Dress R194 as close to chassis with leads as short as possible.
9. Keep the leads on C126 as short and direct as possible.
10. Dress all components connected to V106 socket up and away from the chassis except L104.
11. Keep the body and coded end of L104 as close to pin 2 of V105 socket as possible.
12. Dress the 4.5 mc. trap L107 up and away from the chassis base.
13. Dress C132 up in the air and towards V105 socket.
14. Dress R125 with body as close as possible to pin 2 of V106 socket.
15. Keep body of R123 as close as possible to pin 2 of V105 socket.
16. Dress C133 and C190 away from C132, C151 and C153.
17. Dress the white wire from picture control R128-3 away from the chassis.
18. Dress all slack on kine socket leads under chassis. Dress brown wire away from any components associated with V105 or V106.
19. The green lead from the kinescope socket should be dressed away from all other leads and components and away from V106.
20. Dress R133 towards chassis rear apron.
21. Dress all leads in clamps on rear apron away from V117, V104, V105, V106 sockets and S103.
22. Dress green wire from C147A up and away from chassis.
23. Dress blue wire of T107 toward front apron of chassis.
24. Dress C153 down next to the chassis base.
25. Dress blue/white wire from height control R151-3 under R180.
26. Dress R161, R162, R163, R164 and R170 up and away from the chassis and with a half inch clearance from the soldering point.
27. Dress the yellow wire from pin 3 of V110 socket over C153.
28. Dress both leads of C198 away from the body of the capacitor.
29. Dress fuse in high voltage compartment so as not to short circuit to ground.
30. Dress blue and blue/yellow wire from power transformer in 3 clamps on chassis base and away from S103 and video section.
31. Dress both wires on S106 away from blue/yellow damper leads of T110.
32. Dress all 2 watt resistors away from each other and away from all wires and other components.


C166
R183
C167
S102
J103
C189
C199
S106
A-G-C
R222
R151
HEIGHT
BLU-WHT
RED
YEL
BLK-WHT
BRN
BLK-RED
BLK
V117
R192
R193
C176
C187
R190
R191
T110
R120
R225
R117
R119
L114
V104
V105
R126
C123
C121
C122
L103
C125
C126
L104
T105
SHIELD
R116
C120
C119
ORN
RED-WHT
L102
C196
R123
C128
R125
T112
C172
C171
R188
R189
R187
T104
C117
C129
L105
R130
TO KINE SOCKET TERM. 2
GRN
RED-YEL
BLK-BRN
V116
R185
C168
R184
C114
C115
R112
C127
R180
R115
L108
R220
C190
R221
C191
V103
C110
R113
C195
C116
R114
T103
WHT
R141
R134
R140
R137
R139
T111
C185
V115
R111
RED
GRN-RED
V114
YEL
GRN-YEL
L101
V102
C111
C109
RED-WH
R109
R215
R142
V107
R108
R110
R138
C211
C108
C107
R106
C192
C194
R216
GRN-WHT
R118
R181
RED-WHT
WHT
T102
R219
R107
C124
C135
R104
C113
R122
R121
C105
R179
C103
R105
V101
R182
R212
C144
T101
R103
C106
R226
C186
R201
R202
R102
C102
C184
R203
R204
R205
R206
R207
R208
R209
YEL
L113
T107
R-F UNIT
BOTTOM VIEW
S104
CHANNEL INDICATOR LIGHT



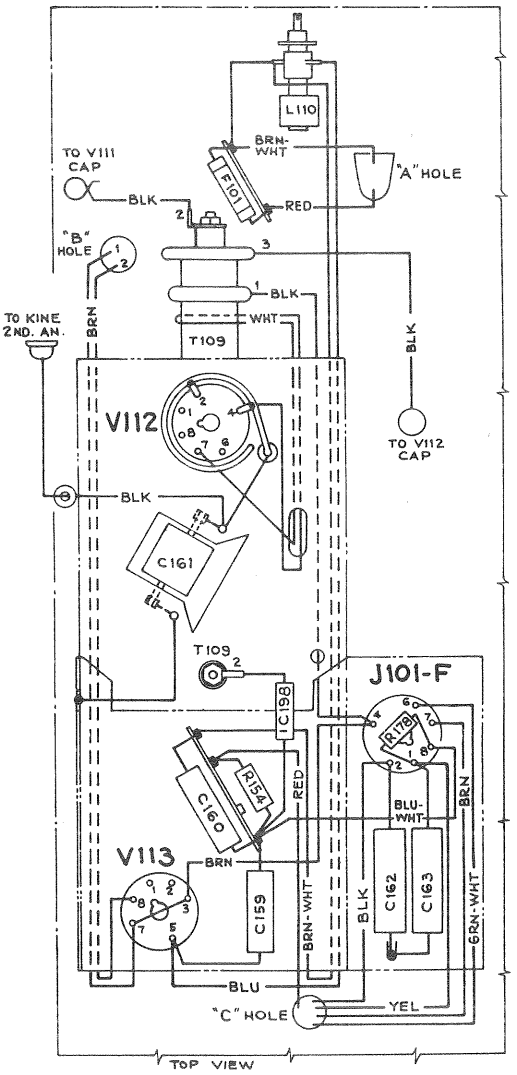
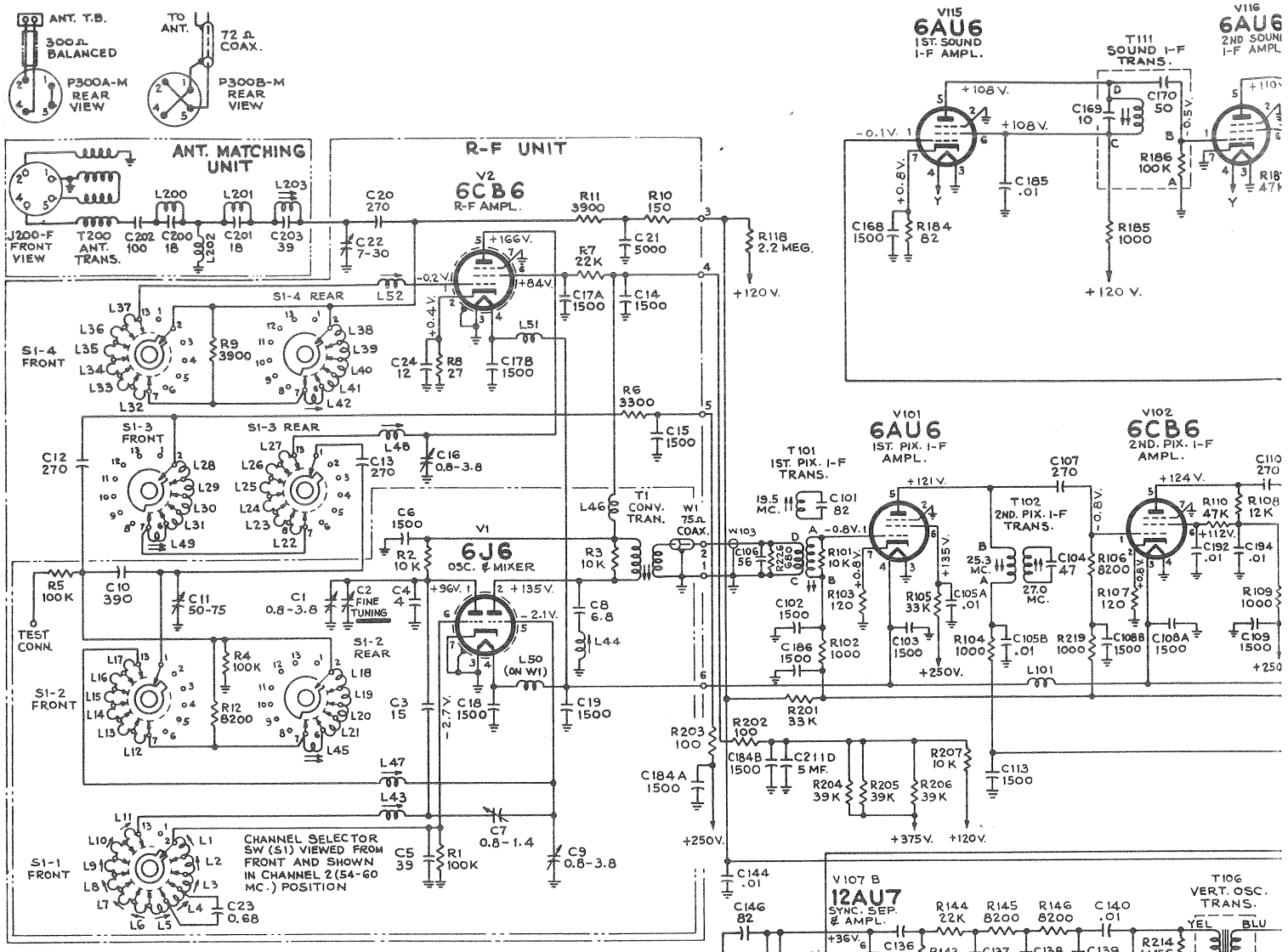


Figure 13 –KCS48
Chassis Wiring Diagram



PRODUCTION CHANGES IN KCS48

In some receivers C160 was .022, C161 was 250, C105A and C105B were 1500, R129 was 390 k, R180 was 22 k, R176 was 8200, C141 was connected between R151, R154 and plus 120 volts. C144 and R226 were omitted.

In some receivers the connections to terminals 1 and 3 of R177 were reversed.

In some receivers R142 was 1.2 meg and was connected to plus 250 volts.

In some receivers C198 was 4.7, R134 was 470 k, C190 was connected at R135.

In some receivers R113 was 3900, R119 was 8200, and L114 was omitted, T104 bottom was tuned to 24.35 MC and L103 was tuned to 22.5 MC.

In some receivers C189 was omitted.

In some receivers R134 was 820 k, and R142 was connected to R104, C113, etc.

Due to a severe resistor shortage during the production of this series of receivers it was found necessary to substitute resistors of different values from the nominal value shown on the schematic. These substitutions were approved by the engineering department for each particular application in the circuit only if the change in value did not impair receiver operation. In some such instances, these substitutions involved a change in value of 5%, 10%, 20% or in a few instances even greater change.

In critical circuits where a change of value could not be tolerated, the proper resistance was obtained by the use of series, parallel or even series-parallel combinations of resistors in order to obtain the correct value of resistance or wattage.

If it should become necessary to replace a resistor or group of resistors, the values shown in the schematic and parts list should be employed.

If the value of the resistor to be replaced is different from the value shown in the schematic, and the schematic value is not available, then it is permissable to replace it with the value found in the receiver or some value between that and the value shown in the schematic. Some of the commercially available, low resistance value, molded body types are of wire wound construction. Such resistors should not be employed in the r-f unit, i-f or video sections as the inductive affect of tese resistors may impair circuit operation.

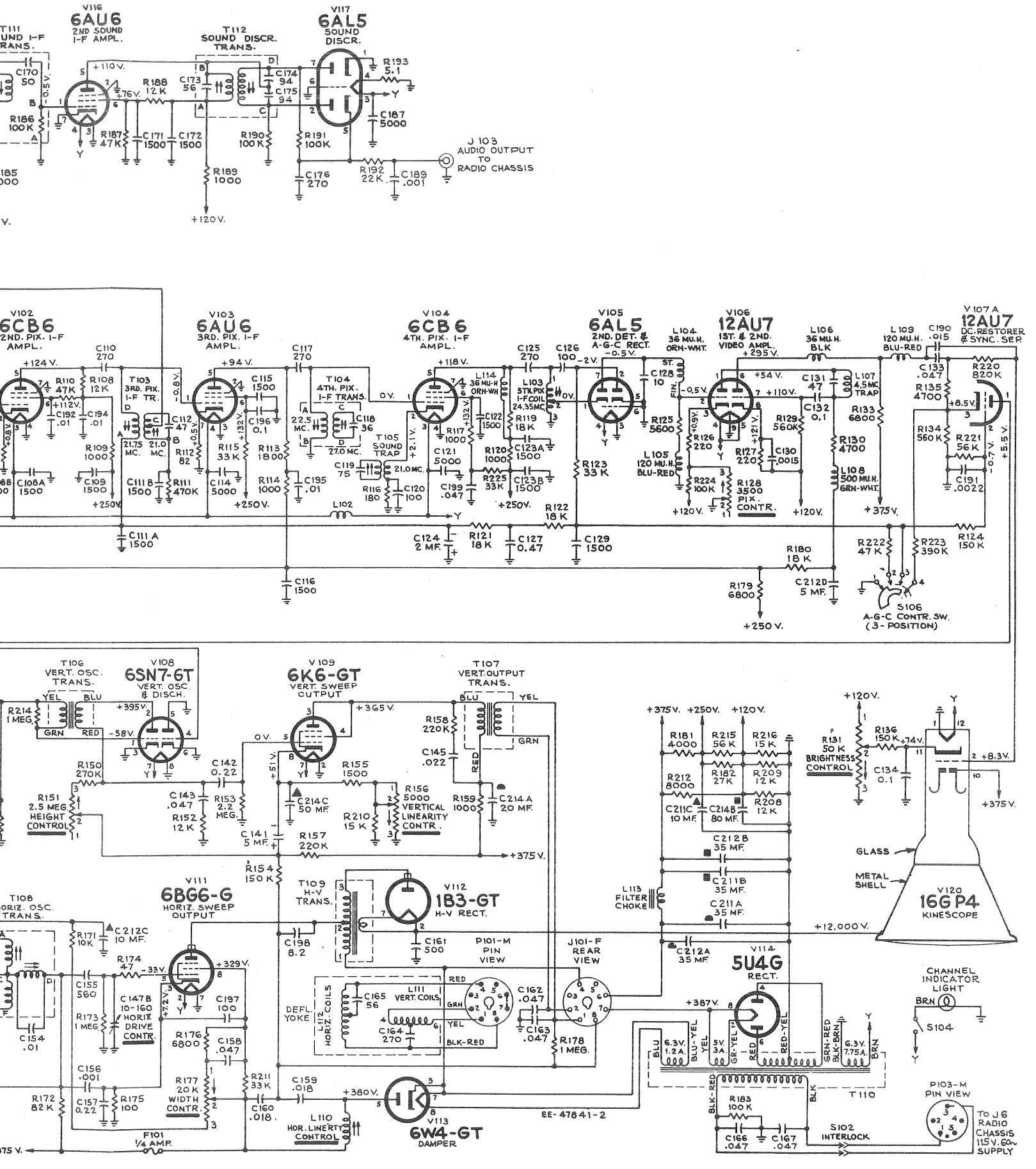
All resistance values in ohms. K=1000.

All capacitance values less than 1 in MF and above 1 in MMF unless otherwise noted.

Coil resistance values less than not shown.

Direction of arrows at control clockwise rotation.

RCUIT SCHEMATIC DIAGRAM



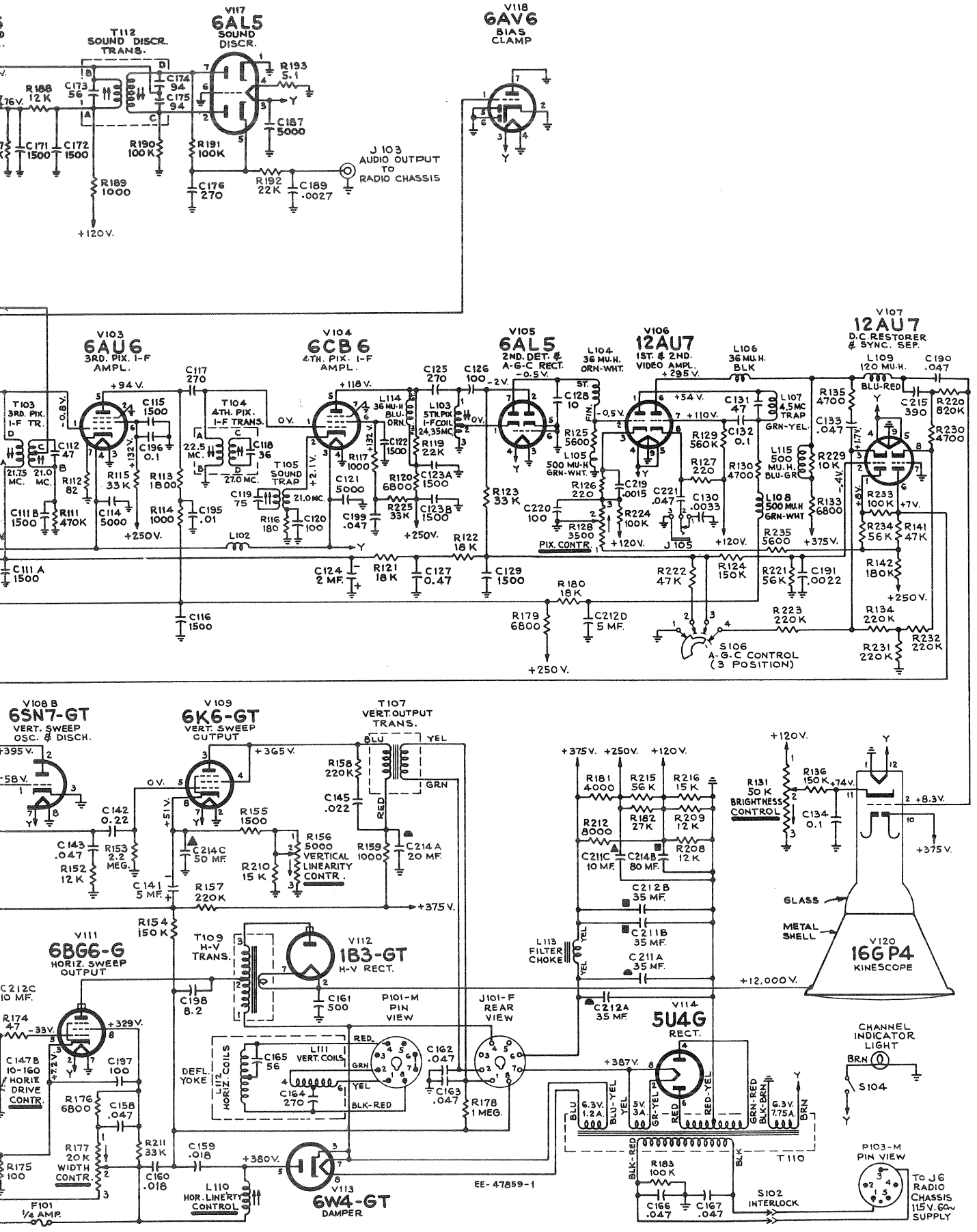
nce values less than 1 ohm are

f arrows at controls indicates tion.

In some receivers, substitutions have caused changes in component lead color codes, in electrolytic capacitor values and their lug identification markings.

All voltages measured with "Volt-Ohmyst" and with no signal input. Voltages should hold within ±20% with 117 v. a-c supply.

Figure 14—Circuit Schematic Diagram KCS48 chassis



than 1 ohm are

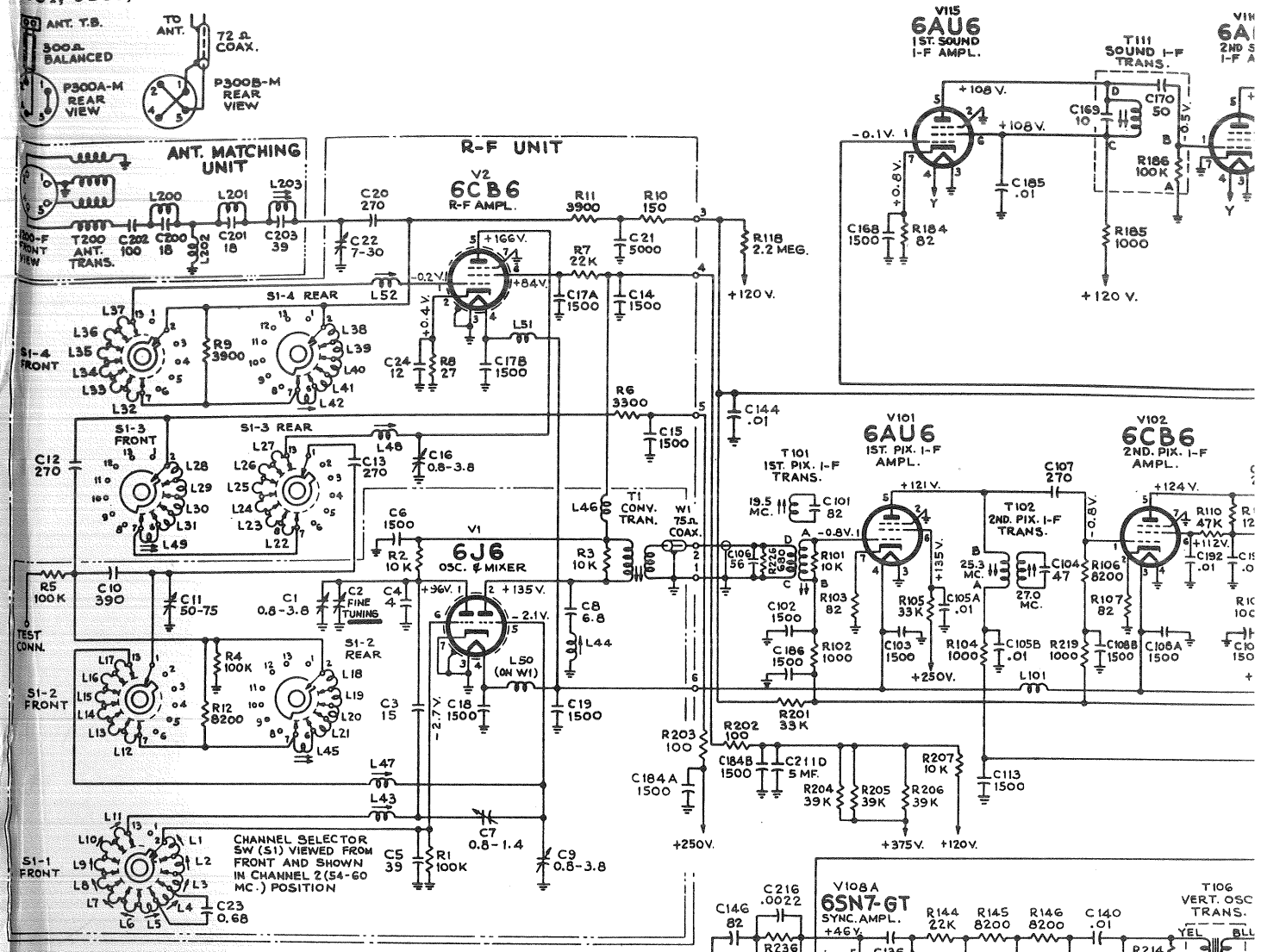
ntrols indicates

In some receivers, substitutions have caused changes in component lead color codes, in electrolytic capacitor values and their lug identification markings.

All voltages measured with "Volt-Ohmyst" and with no signal input. Voltages should hold within ±20% with 117 v. a-c supply.

Fig. 16—Circuit Schematic Diagram for KCS48T chassis

T84, 6T86, 6T87



PRODUCTION CHANGES IN KCS48T

In some receivers, R120 was 1000 ohms.

In some receivers, C196 was .01 mfd.

In some receivers, R103 and R107 were 120 ohms and point C of T103 was 5 turns down from top of coil on the actual transformer.

In some receivers, J105, C219, C220 and C221 were omitted. L105 was 120 Muh (Red/Blue) and C130 was connected between pin 8 of V106 and plus 125 volt bus.

In some receivers, R148 was 3.3 meg and C189 was .0015.

The following changes will be made on a few late production receivers but these changes are not shown in the schematic or wiring diagrams.

In a few late production chassis T111 will be replaced by a dual winding transformer with two adjustable cores for primary and secondary which are adjustable from the top and bottom of the chassis. R186 will be 22K and will be connected between terminal A of T111 and ground. A 100 mmf capacitor will be connected in parallel with R186. Terminal B of T111 will be connected to Pin 1 of V116. Connections to Terminals C and D of T111 will remain unchanged. For circuit diagram see Service Data, Model 7T143.

In a few late production receivers the following changes will be made. R118 will be changed to 10 meg and R201 will become 150K. The bleeder resistors, R208, R209 and R216 will be lifted from ground and a 220 ohm resistor, R239 will be inserted between the old bleeder and ground. This will create a new 5.5 volt bus. The cathode of the AGC diode pin 5 of V105 will be lifted from ground and connected to this 5.5 volt bus. A .01 mfd capacitor C224, will be connected from Pin 5 of V105 to ground. Video load resistors R133, R229, and L115 will be removed. A 2700 ohm resistor R139 will be connected to junction of L106 and L109. R133 a 4700 ohm resistor will be connected between R139 and the 375 volt bus. A 270 mmf. capacitor C223 will be connected from the junction of R133, R139 and to Pin 8 of V107 C130 will be changed to .0033 mfd. For circuit diagram, see the Service Data for Model 7T143.

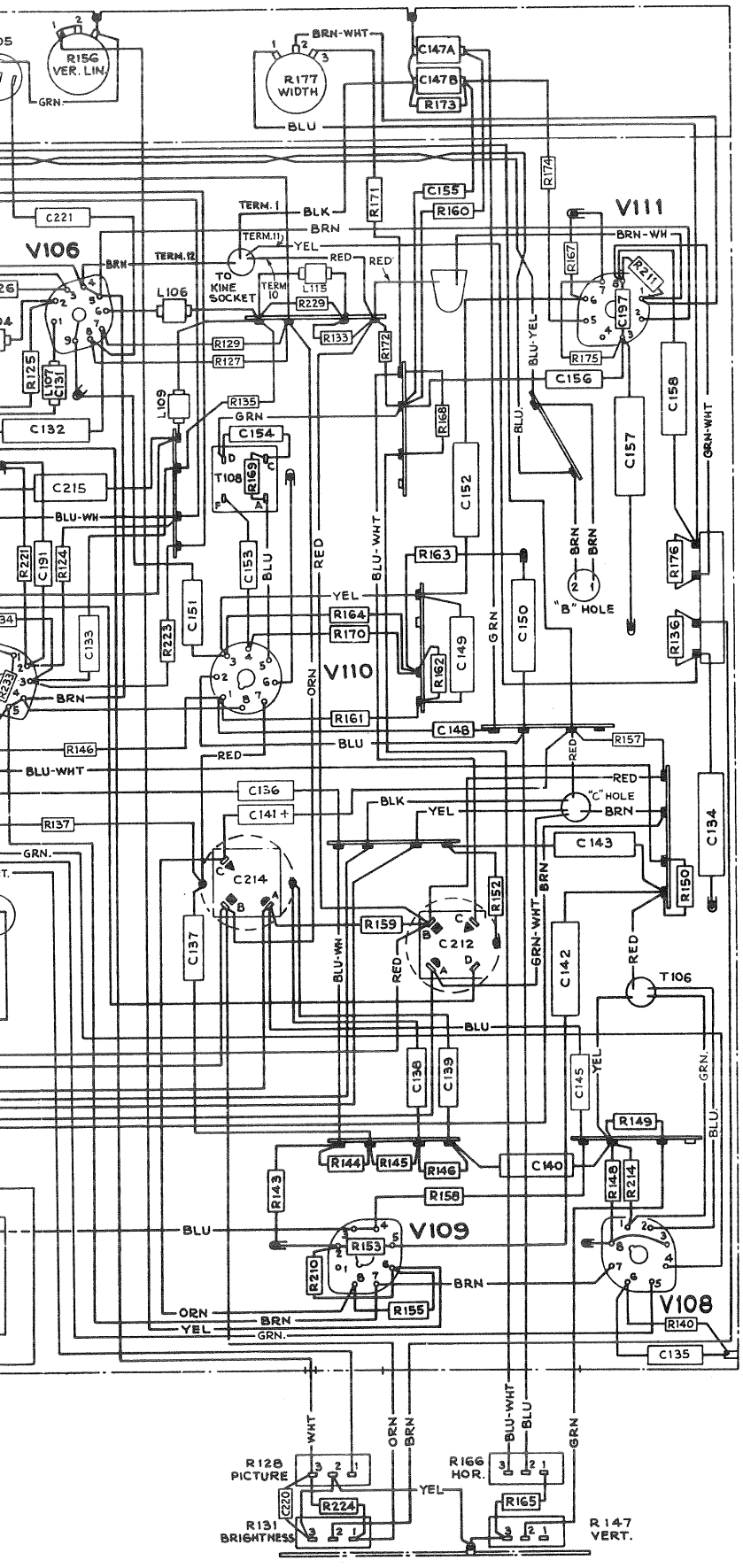
All resistance values in ohms. K=1000.

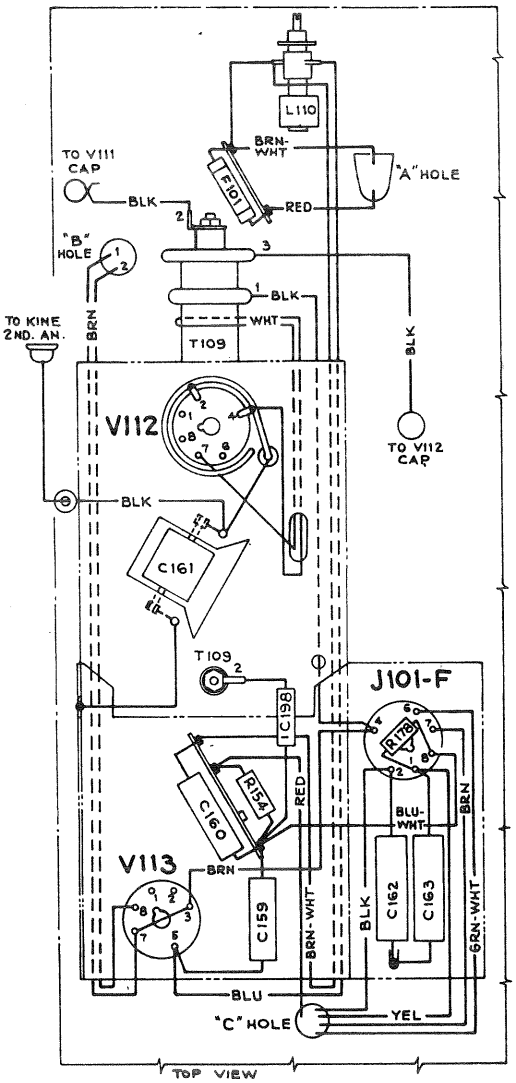
All capacitance values less than 1 in MF and above 1 in MMF unless otherwise noted.

Coil resistance values les
not shown.

Direction of arrows at
clockwise rotation.

KCS48T CHASSIS WIRING DIAGRAM





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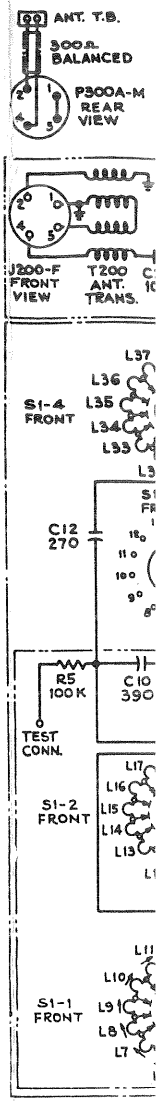

Chassis Wiring Diagram

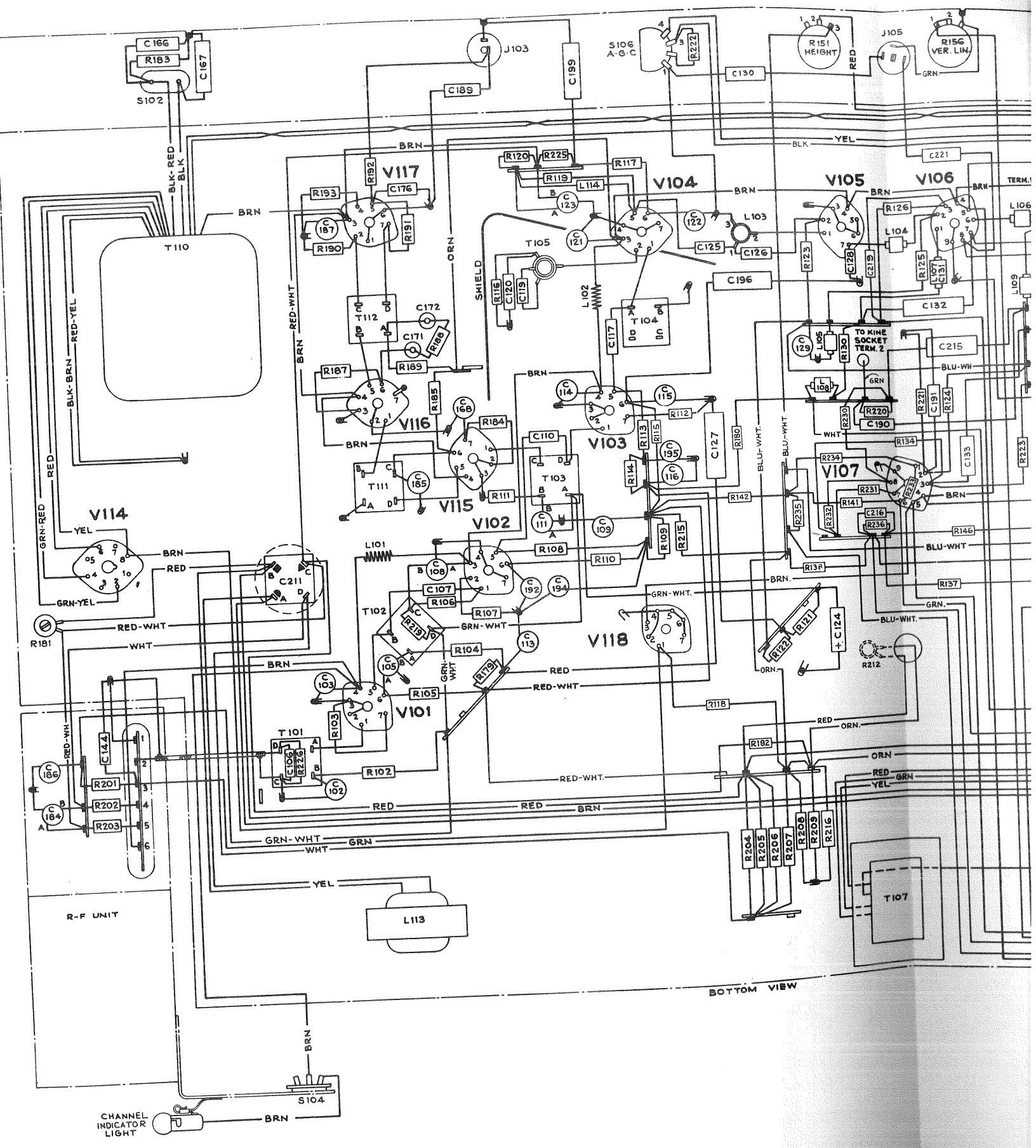

Figure 15—KCS48T Chassis Wiring

STOCK No.	DESCRIPTION
	R-F UNIT ASSEMBLIES KRK8B
10705	Ball—Steel ball for detent (5/32 dia.)
75188	Board—Terminal board, 5 contact and ground.
75067	Bracket—Vertical bracket for holding oscillator tube shield
75201	Cable—75 ohms, coax cable (7¼") complete with coil (W1, L50)
75186	Capacitor—Ceramic, variable, for fine tuning—plunger type (C2)
75289	Capacitor—Ceramic, 4 mmf., ±0.5 mmf. (C4)
75189	Capacitor—Adjustable, 7-30 mmf. (C22)
75200	Capacitor—Ceramic, 12 mmf. (C24)
45465	Capacitor—Ceramic, 15 mmf. (C3)
75196	Capacitor—Ceramic, 39 mmf. (C5)
75174	Capacitor—Ceramic, trimmer, 50-75 mmf. (C11)
75199	Capacitor—Ceramic, 270 mmf. (C12, C13, C20)
75641	Capacitor—Ceramic, 390 mmf. (C10)
75166	Capacitor—Ceramic, 1500 mmf. (C6, C14, C15, C19)
75089	Capacitor—Ceramic, dual, 1500 mmf. (C17A, C17B)
73748	Capacitor—Ceramic, 1500 mmf. (C18)
73473	Capacitor—Ceramic, 5000 mmf. (C21)
75172	Capacitor—Tubular, steatite, adjustable, 0.8-1.4 mmf. (C7)
71504	Capacitor—Ceramic, 0.68 mmf. (C23)
75184	Capacitor—Ceramic, adjustable, 0.75-4 mmf., complete with adjusting stud (C1)
75197	Capacitor—Ceramic, 6.8 mmf. (C8)
75167	Clip—Tubular clip for mounting stand-off capacitors
75182	Coil—Trimmer coil (1½ turns) with adjustable inductance core and capacitor stud (screw adjustment) for convertor section (C9, L47)
75183	Coil—Trimmer coil (3 turns) with adjustable inductance core and capacitor stud (screw adjustment) for r-f section (L48, C16)
75185	Coil—Convertor plate loading coil (L44)
75202	Coil—Choke coil .56 muh (L46)
73477	Coil—Choke coil (L51)
75187	Core—Adjustable core for fine tuning capacitor C2
75162	Detent—Detent mechanism and fibre shaft
73453	Form—Coil form for L45 and L49
75165	Link—Link assembly for fine tuning
14343	Retainer—Fine tuning shaft retaining ring
	Resistor—Fixed, composition:— 27 ohms, ±10%, ½ watt (R8) 150 ohms, ±20%, ½ watt (R10) 3300 ohms, ±10%, ½ watt (R6) 3900 ohms, ±10%, ½ watt (R9, R11) 8200 ohms, ±10%, ½ watt (R12) 10,000 ohms, ±5%, ½ watt (R3) 10,000 ohms, ±20%, ½ watt (R2) 22,000 ohms, ±10%, ½ watt (R7) 100,000 ohms, ±20%, ½ watt (R1, R4, R5)
75164	Rod—Actuating plunger rod (fibre) for fine tuning link
71467	Screw—No. 4-40 x ¼" binder head machine screw for adjusting L6, L7, L8, L9, L10, L11
75167	Screw—No. 4-40 x ⅜" fillister head screw for adjusting L5
75177	Screw—No. 4-40 x 5/16" fillister head screw for adjusting L1, L2, L3, L4, L43
74575	Screw—No. 4-40 x .359" adjusting screw for L42
73640	Screw—No. 4-40 x 7/16" adjusting screw for L52
75159	Shaft—Channel selector shaft and plate
75160	Shaft—Fine tuning shaft and cam
75168	Shield—Oscillator and convertor sections shield for r-f unit—snap-on type
75193	Shield—Tube shield for V1
75192	Shield—Tube shield for V2
75088	Socket—Tube socket, 7 contact, miniature, ceramic, saddle mounted
75191	Spacer—Insulating spacer for front plate (4 required)
75163	Spring—Friction spring (formed) for fine tuning cam
75068	Spring—Retaining spring for oscillator tube shield
74578	Spring—Retaining spring for adjusting screws
73457	Spring—Return spring for fine tuning control
30340	Spring—Hair pin spring for fine tuning link
75175	Stator—Oscillator section stator complete with rotor, segment, coils, adjusting screws and capacitors C3 and C23 (S1-1, C3, C23, L1, L2, L3, L4, L5, L6, L7, L8, L9, L10, L11, L43)
75178	Stator—Convertor stator complete with rotor, coils, capacitors (C10 and C12) and resistors (R4 and R5) (S1-2, C10, C12, L12, L13, L14, L15, L16, L17, L18, L19, L20, L21, L45, R4, R5, R12)
75179	Stator—R-F amplifier stator complete with rotor, coils, capacitor (C13) and resistor (R6) (S1-3, C13, L22, L23, L24, L25, L26, L27, L28, L29, L30, L31, L49, R6)
75180	Stator—Antenna stator complete with rotor, coils, capacitors (C20 and C21) and resistors (R9, R10, R11) (S1-4, C20, C21, L32, L33, L34, L35, L36, L37, L38, L39, L40, L41, L42, L52, R9, R10, R11)
75169	Strip—Coil segment mounting strip—RH center
75170	Strip—Coil segment mounting strip—LH lower
75171	Strip—Coil segment mounting strip—LH upper—less trimmer C7
75173	Stud—No. 6-32 x 13/16" adjusting stud for C7 trimmer
75446	Stud—Capacitor stud—brass—No. 4-40 x 13/16" with 3/64" screw driver slot for trimmer coils L47, L48 and capacitor C1 uncoded and coded "ER"
75447	Stud—Capacitor stud—brass—No. 4-40 x 13/16" with 3/64" screw driver slot for trimmer coils L47, L48 and capacitor C1 coded numerically and "Hi Q"
75181	Transformer—I-F convertor transformer
75190	Washer—Insulating washer (neoprene) for capacitor C7
75607	Washer—Insulating washer (hex)
	TELEVISION CHASSIS ASSEMBLIES KCS48
75515	Bracket—Channel indicator lamp bracket
75228	Bracket—Focus magnet mounting bracket—upper
75229	Bracket—Focus magnet mounting bracket—lower
76009	Capacitor—Ceramic, 8.2 mmf. (C198)
75217	Capacitor—Mica trimmer, dual, 10-160 mmf. (C147A, C147B)
53511	Capacitor—Ceramic, 10 mmf. (C128)
75450	Capacitor—Ceramic, 39 mmf. (C203)
71924	Capacitor—Ceramic, 56 mmf. (C106)
73090	Capacitor—Mica, 82 mmf. (C146, C148)
75437	Capacitor—Ceramic, 100 mmf. (C202)
45469	Capacitor—Ceramic, 100 mmf. (C120)
39396	Capacitor—Ceramic, 100 mmf. (C126, C197, C220, C222)
73102	Capacitor—Mica, 180 mmf. (C153)
74947	Capacitor—Ceramic, 500 mmf., 20,000 volts (C161)
75244	Capacitor—Ceramic, 270 mmf. (C176)
73091	Capacitor—Mica, 270 mmf. (C107, C110, C117, C125)
73094	Capacitor—Mica, 390 mmf. (C215)
74250	Capacitor—Mica, 560 mmf. (C155)
75166	Capacitor—Ceramic, 1500 mmf. (C171, C172)
73748	Capacitor—Ceramic, 1500 mmf. (C102, C103, C109, C113, C115, C116, C122, C129, C168, C186)
75089	Capacitor—Ceramic, dual, 1500 mmf. (C108A, C108B, C111A, C111B, C123A, C123B, C184A, C184B)
73473	Capacitor—Ceramic, 5000 mmf. (C114, C121, C187)
73960	Capacitor—Ceramic, 10,000 mmf. (C144, C185, C192, C194, C195)
73877	Capacitor—Ceramic, dual, 10,000 mmf. (C105A, C105B)
73747	Capacitor—Electrolytic, 2 mfd., 50 volts (C124)
28417	Capacitor—Electrolytic, 5 mfd., 450 volts (C141)
75592	Capacitor—Electrolytic, comprising 1 section of 20 mfd., 450 volts, 1 section of 80 mfd., 200 volts and 1 section of 50 mfd., 50 volts (C214A, C214B, C214C)
75510	Capacitor—Electrolytic, comprising 2 sections of 35 mfd., 450 volts, 1 section of 10 mfd., 450 volts and 1 section of 5 mfd., 450 volts (C211A, C211B, C211C, C211D, C212A, C212B, C212C, C212D)
75643	Capacitor—Tubular, moulded paper, oil impregnated, .001 mfd., 1000 volts (C156)
73598	Capacitor—Tubular, paper, oil impregnated, .0015 mfd., 600 volts (C130, C219)
73595	Capacitor—Tubular, paper, oil impregnated, .0022 mfd., 600 volts (C137, C191, C216)
73599	Capacitor—Tubular, paper, oil impregnated, .0027 mfd., 600 volts (C189)
73920	Capacitor—Tubular, paper, oil impregnated, .0047 mfd., 600 volts (C138, C139)
73561	Capacitor—Tubular, paper, oil impregnated, .01 mfd., 400 volts (C136)
73594	Capacitor—Tubular, moulded paper, oil impregnated, .01 mfd., 600 volts (C140, C154)
73797	Capacitor—Tubular, paper, oil impregnated, .015 mfd., 600 volts (C190)
74727	Capacitor—Tubular, paper, oil impregnated, .018 mfd., 1000 volts (C159, C160)
73562	Capacitor—Tubular, paper, oil impregnated, .022 mfd., 400 volts (C145, C151)
73553	Capacitor—Tubular, paper, oil impregnated, .047 mfd., 400 volts (C149, C199, C221)
75071	Capacitor—Tubular, moulded paper, .047 mfd., 400 volts (C166, C167)
73592	Capacitor—Tubular, paper, oil impregnated, .047 mfd., 600 volts (C133, C150, C190)
73597	Capacitor—Tubular, moulded paper, oil impregnated, .047 mfd., 1000 volts (C143, C158, C162, C163)
73551	Capacitor—Tubular, paper, oil impregnated, 0.1 mfd., 400 volts (C132, C196)
73557	Capacitor—Tubular, paper, oil impregnated, 0.1 mfd., 600 volts (C134)
73794	Capacitor—Tubular, paper, oil impregnated, 0.22 mfd., 400 volts (C157)
74957	Capacitor—Tubular, paper, oil impregnated, 0.22 mfd., 600 volts (C142)
73787	Capacitor—Tubular, moulded paper, 0.47 mfd., 200 volts (C127, C135, C152)
73154	Choke—Filter choke (L113)
75167	Clip—Tubular clip for mounting stand-off capacitor 75166
75210	Coil—Fifth pix i-f coil complete with adjustable core (L103)
71449	Coil—Horizontal linearity control coil (L110)
73591	Coil—Antenna matching coil (2 req'd) (Part of T200)
75241	Coil—Antenna shunt coil (L202)
73477	Coil—Choke coil (L101, L102)
75299	Coil—Peaking coil (36 muh) (L104)
71793	Coil—Peaking coil (36 muh) (L106)
76285	Coil—Peaking coil (36 muh) (L114, R119)
75253	Coil—Peaking coil (120 muh) (L109)
75252	Coil—Peaking coil (500 muh) (L105, L108)
76132	Coil—Peaking coil (500 muh) (L115) (In KCS48T)
35787	Connector—Single contact female connector for audio cable (J103)

6T84, 6T86, 6T87 REPLACEMENT PARTS (Continued)

STOCK No.	DESCRIPTION
74594	Connector—2 contact male connector for power cord
38853	Connector—4 contact female connector for antenna transformer (J200)
35383	Connector—8 contact male connector—part of deflection yoke (P101)
68592	Connector—8 contact female connector for deflection yoke leads (J101)
75517	Contact—Anode connector assembly contact only
75215	Control—Horizontal and vertical hold control (R147, R166)
75216	Control—Picture and brightness control (R128, R131)
71441	Control—Vertical linearity control (R156)
71440	Control—Height control (R151)
75516	Control—Width control (R177)
71498	Core—Adjustable core and stud for F-M trap 75449
74956	Cushion—Rubber cushion for deflection yoke hood (2 req'd)
74839	Fastener—Push fastener to mount ceramic tube socket (2 req'd)
73600	Fuse—.25 amp., 250 volts (F101)
16058	Grommet—Rubber grommet for 2nd. anode lead exit
37396	Grommet—Rubber grommet to mount ceramic tube socket (2 req'd)
75445	Hood—Deflection yoke hood less rubber cushions
75644	Insulator—2nd. anode insulator
75842	Jack—Video jack (J105)
75504	Magnet—Focus magnet complete with adjustable plate and stud
74953	Magnet—Ion trap magnet (P.M.)
75518	Plate—Hi-voltage plate—bakelite—less transformer, capacitor and tube socket
72067	Resistor—Wire wound, 5.1 ohms, ½ watt (R193)
75512	Resistor—Wire wound, 4000 ohms, 10 watts (R181)
75593	Resistor—Wire wound, 8000 ohms, 15 watts (R212)
	Resistor—Fixed, composition:—
	47 ohms, ±20%, ½ watt (R174)
	82 ohms, ±10%, ½ watt (R103, R107, R112, R184)
	100 ohms, ±20%, ½ watt (R202, R203)
	100 ohms, ±10%, 2 watts (R175)
	180 ohms, ±10%, ½ watt (R116)
	220 ohms, ±10%, ½ watt (R126, R127)
	680 ohms, ±10%, ½ watt (R226)
	1000 ohms, ±20%, ½ watt (R102, R104, R109, R114, R117, R159, R185, R189, R219)
	1500 ohms, ±10%, 1 watt (R155)
	1800 ohms, ±10%, ½ watt (R113)
	2200 ohms, ±20%, ½ watt (R140)
	3900 ohms, ±10%, ½ watt (R167)
	4700 ohms, ±5%, ½ watt (R130)
	4700 ohms, ±10%, ½ watt (R135) (R230 in KCS48T)
	5600 ohms, ±5%, ½ watt (R125)
	5600 ohms, ±10%, ½ watt (R235 in KCS48T)
	6800 ohms, ±10%, 1 watt (R120, R176)
	6800 ohms, ±10%, 2 watts (R133, R179)
	8200 ohms, ±5%, ½ watt (R106, R169)
	8200 ohms, ±10%, ½ watt (R145, R146)
	10,000 ohms, ±10%, ½ watt (R171) (R236 in KCS48T)
	10,000 ohms, ±10%, 2 watts (R207)
	12,000 ohms, ±5%, ½ watt (R152)
	12,000 ohms, ±10%, ½ watt (R188) (R139 in KCS48)
	12,000 ohms, ±5%, 1 watt (R108)
	12,000 ohms, ±10%, 2 watts (R208, R209)
	15,000 ohms, ±10%, ½ watt (R210)
	15,000 ohms, ±10%, 2 watts (R216)
	18,000 ohms, ±10%, ½ watt (R119, R121, R122, R137)
	18,000 ohms, ±10%, 1 watt (R138, R180)
	22,000 ohms, ±10%, ½ watt (R143, R144, R186)
	22,000 ohms, ±20%, ½ watt (R192)
	27,000 ohms, ±10%, 2 watts (R182)
	33,000 ohms, ±10%, ½ watt (R105, R115, R201, R211, R225)
	33,000 ohms, ±20%, ½ watt (R123)
	39,000 ohms, ±10%, 2 watts (R204, R205, R206)
	47,000 ohms, ±10%, ½ watt (R141, R187, R222)
	47,000 ohms, ±20%, ½ watt (R110)
	56,000 ohms, ±10%, ⅜ watt (R221) (R234 in KCS48T)
	56,000 ohms, ±10%, 1 watt (R215)
	68,000 ohms, ±10%, 1 watt (R168)
	82,000 ohms, ±5%, 1 watt (R172)
	82,000 ohms, ±10%, 1 watt (R164, R165)
	100,000 ohms, ±5%, ½ watt (R190, R191)
	100,000 ohms, ±10%, ½ watt (R224) (R233 in KCS48T)
	100,000 ohms, ±20%, 2 watts (R183)
	150,000 ohms, ±10%, ½ watt (R136, R154, R160)
	150,000 ohms, ±20%, ½ watt (R124)
	150,000 ohms, ±5%, 1 watt (R170)
	180,000 ohms, ±10%, ½ watt (R142 in KCS48T)
	220,000 ohms, ±10%, ½ watt (R157, R158) (R134, R223, R231, R232 in KCS48T)
	270,000 ohms, ±10%, ½ watt (R150)
	330,000 ohms, ±10%, ½ watt (R161)
	330,000 ohms, ±5%, 1 watt (R163)
	390,000 ohms, ±10%, ½ watt (R142, R223 in KCS48)
	470,000 ohms, ±10%, ½ watt (R111)
	560,000 ohms, ±10%, ½ watt (R129) (R134 in KCS48)
	820,000 ohms, ±10%, ½ watt (R162, R220)
	1 megohm, ±10%, ½ watt (R173)
	1 megohm, ±20%, ½ watt (R178)
	1.2 megohm, ±5%, ½ watt (R149)
	2.2 megohm, ±10%, ½ watt (R118, R153)
	3.9 megohm, ±5%, ½ watt (R148)
75083	Screw—No. 8-32 x ¼" wing screw for mounting deflection yoke
75236	Screw—No. 8-32 x ⅜" pan head machine screw (brass) for focus magnet mounting (2 req'd)
74602	Screw—No. 10-32 x 1¾" round head machine screw for focus magnet adjustment (3 req'd)
73584	Shield—Tube shield
31251	Socket—Tube socket, octal, wafer
73249	Socket—Tube, octal, ceramic, plate mounted
31319	Socket-Tube socket, octal, moulded
73117	Socket—Tube, socket, 7 pin, miniature
75223	Socket—Tube socket, 9 pin, miniature
68592	Socket—Tube socket, 6 contact, moulded for V113
71508	Socket—Tube socket for 1B3/8016
74834	Socket—Kinescope socket
75718	Socket—Channel indicator light socket
75233	Spring—Compression spring for focus magnet adjustment (3 req'd)
75506	Support—Bakelite support only—part of hi-voltage shield
75594	Switch—Indicator light switch (S104)
76010	Switch—AGC switch (S106)
75508	Transformer—Power transformer 115 volts, 60 cycle (T110)
74950	Transformer—Vertical output transformer (T107)
74144	Transformer—Vertical oscillator transformer (T106)
74589	Transformer—First pix, i-f transformer (T101, C101, R101)
74590	Transformer—Second pix, i-f transformer (T102, C104)
76264	Transformer—Third pix, i-f transformer (T103, C112)
73574	Transformer—Fourth pix. i-f transformer (T104, C118)
75211	Transformer—Sound i-f transformer (simple winding type) (T111, C169, C170, R186)
71424	Transformer—Sound i-f transformer (dual winding type) (T111, C169, C170)
75212	Transformer—Sound discriminator transformer (T112, C173, C174, C175)
75213	Transformer—Horizontal oscillator transformer (T108)
75509	Transformer—Antenna matching transformer complete with antenna connector, I-F and F-M traps and shunt coil (T200, C200, C201, C202, C203, J200, L200, L201, L202, L203)
75519	Transformer—Hi-voltage transformer (T109)
71778	Trap—Sound trap (T105, C119)
75242	Trap—I-F trap (L200 (C200), L201 (C201)
75449	Trap—F-M trap complete with adjustable core and stud (L203, C203)
75251	Trap—4.5 mc trap (L107, L131)
74952	Yoke—Deflection yoke (L111, L112, C164, C165, P101)
	RADIO CHASSIS ASSEMBLIES
	RC 1090—Model 6T84
75541	Bracket—Pulley bracket complete with drive cord and pulley
75534	Capacitor—Variable tuning capacitor complete with drive drum (C1-1, C1-2)
71924	Capacitor—Ceramic, 56 mmf. (C8)
39632	Capacitor—Mica, 150 mmf. (C2, C16, C20)
73372	Capacitor—Electrolytic comprising 1 section of 30 mfd., 350 volts, 1 section of 30 mfd., 300 volts and 1 section of 20 mfd., 25 volts (C23A, C23B, C23C)
73801	Capacitor—Tubular, paper, .001 mfd., 400 volts (C5)
71394	Capacitor—Tubular, paper, .0015 mfd., 600 volts (C10)
73851	Capacitor—Tubular, paper, oil impregnated, .018 mfd., 1600 volts (C24)
73803	Capacitor—Tubular, paper, .002 mfd., 1000 volts (C21, C22)
70603	Capacitor—Tubular, paper, .003 mfd., 400 volts (C17)
73920	Capacitor—Tubular, paper, .005 mfd., 400 volts (C15)
73561	Capacitor—Tubular, paper, .01 mfd., 400 volts (C9, C13, C18)
70572	Capacitor—Tubular, paper, .015 mfd., 400 volts (C11)
58476	Capacitor—Tubular, paper, oil impregnated, .018 mfd., 400 volts (C12)
73562	Capacitor—Tubular, paper, .02 mfd., 400 volts (C19)
73553	Capacitor—Tubular, paper, .05 mfd., 400 volts (C14)
73935	Clip—Mounting clip for I-F transformer
75627	Clip—Clip for main cable—on rear apron of chassis
75485	Coil—Oscillator coil complete with adjustable core and stud (L3, L4)
35787	Connector—Single contact female connector for 45 RPM pickup cable (J5)
75542	Connector—8 contact male connector for power input cable (J6)
75543	Connector—2 contact female connector for 45 RPM motor cable (P2)
74879	Connector—Two contact (polarized) female connector for antenna leads (J7)
33514	Connector—Dual two contact female connector for 33/78 RPM pickup cable and television cable (J3, J4)
75537	Control—Volume control and power switch (R15, S2)
75538	Control—Tone control (R23)
72953	Cord—Drive cord (approx. 60" overall)
75547	Grommet—Rubber grommet to mount slides to bottom—rear (2 req'd)
75548	Grommet—Rubber grommet to mount slides to bottom—front (2 req'd)
11765	Lamp—Dial lamp—Mazda No. 51
75544	Nut—Rivnutto fasten screw for mounting chassis (4 req'd)
75535	Plate—Dial back plate complete with three (3) pulleys
75536	Pointer—Station selector pointer
72602	Pulley—Drive cord pulley
72323	Resistor—Wire wound, 3 ohms, ½ watt (R31)
73637	Resistor—Wire wound, 2200 ohms, 5 watts (R30)
	Resistor—Fixed, composition:—
	47 ohms, ±20%, ½ watt (R32)
	270 ohms, ±10%, ½ watt (R18)
	330 ohms, ±10%, 1 watt (R28)
	470 ohms, ±20%, ½ watt (R33)

REPLACEMENT PARTS (Continued) 6T84, 6T86, 6T87

STOCK No.	DESCRIPTION
	3300 ohms, ±5%, ½ watt (R17) 18,000 ohms, ±10%, ½ watt (R13) 18,000 ohms, ±10%, 1 watt (R10) 22,000 ohms, ±10%, ½ watt (R9, R20) 27,000 ohms, ±10%, ½ watt (R14, R34) 39,000 ohms, ±10%, ½ watt (R19) 68,000 ohms, ±10%, ½ watt (R27) 82,000 ohms, ±10%, ½ watt (R25) 150,000 ohms, ±10%, ½ watt (R7) 270,000 ohms, ±10%, ½ watt (R24) 470,000 ohms, ±10%, ½ watt (R22, R26, R29) 1.5 megohm, ±10%, ½ watt (R6, R35) 2.2 megohm, ±20%, ½ watt (R1, R12) 10 megohm, ±20%, ½ watt (R16)
75540	Shaft—Tuning knob shaft
73584	Shield—Tube shield
75546	Slide—Slide mechanism complete for radio chassis bottom
31364	Socket—Dial lamp socket
31251	Socket—Tube socket, octal, wafer
73117	Socket—Tube socket, 7 pin, miniature
4038	Spring—Drive cord spring
75539	Switch—Function switch (S1-1, S3)
73636	Transformer—Output transformer (T3)
75486	Transformer—First i-f transformer complete with adjustable core and studs (T1)
75487	Transformer—Second i-f transformer complete with adjustable core and studs (T2)
70127	Transformer—Power transformer 115 volts, 60 cycle (T4)
33726	Washer—"C" washer for tuning knob shaft
	CHASSIS ASSEMBLIES RC 1092—Models 6T86, 6T87
75567	Capacitor—Variable tuning capacitor complete with drive drum (C1-1, C1-2, C1-3, C1-4, C1-5, C1-6)
76423	Capacitor—Ceramic, 3 mmf. (C10)
75613	Capacitor—Ceramic, 5 mmf. (C13)
39044	Capacitor—Ceramic, 15 mmf. (C12)
75609	Capacitor—Ceramic, 47 mmf. (C45)
75612	Capacitor—Ceramic, 68 mmf. (C9, C11)
39396	Capacitor—Ceramic, 100 mmf. (C4)
75437	Capacitor—Ceramic, 100 mmf. (C31)
75614	Capacitor—Ceramic, 150 mmf. (C14, C30, C43, C54)
75611	Capacitor—Ceramic, 220 mmf. (C3)
39640	Capacitor—Mica, 330 mmf. (C37, C38)
72571	Capacitor—Mica, 470 mmf. (C7)
75610	Capacitor—Ceramic, 1500 mmf. (C19)
74850	Capacitor—Ceramic, 1800 mmf. (C17)
73473	Capacitor—Ceramic, 5000 mmf. (C2, C5, C6, C15, C24, C25, C27, C28, C29, C34, C36)
73920	Capacitor—Tubular, paper, .005 mfd., 400 volts (C33)
73747	Capacitor—Electrolytic, 2 mfd., 50 volts (C04)
72052	Capacitor—Electrolytic, comprising 1 section of 30 mfd., 450 volts, 1 section of 30 mfd., 350 volts, and 1 section of 40 mfd., 25 volts (C23A, C23B, C23C)
73801	Capacitor—Tubular, paper, .001 mfd., 400 volts (C8)
70642	Capacitor—Tubular, paper, .001 mfd., 1000 volts (C42, C44)
71926	Capacitor—Tubular, paper, .005 mfd., 200 volts (C26, C39, C41)
71925	Capacitor—Tubular, paper, .01 mfd., 400 volts (C32)
72120	Capacitor—Tubular, paper, .015 mfd., 200 volts (C22)
58476	Capacitor—Tubular, paper, oil impregnated, .018 mfd., 400 volts (C21)
74010	Capacitor—Tubular, paper, .02 mfd., 400 volts (C20, C35)
73553	Capacitor—Tubular, paper, .05 mfd., 400 volts (C16)
73935	Clip—Mounting clip for AM I-F transformer
75627	Clip—Clip for main cable—on rear of chassis
75569	Coil—Oscillator coil—AM—complete with adjustable screws (L3, L4, L5)
75570	Coil—R-F coil—AM—complete with adjusting screws (L6, L7)
75615	Coil—Antenna coil—FM (L1)
71942	Coil—Filament choke coil (L9)
74817	Coil—Oscillator coil—FM (L8)
74815	Coil—R-F coil—FM (L2)
35787	Connector—Single contact female connector for record changer's pickup cables and television (J2, J3, J5)
75542	Connector—8 contact male connector for power input cable (J4)
75543	Connector—2 contact female connector for 45 RPM motor cable (P1)
74879	Connector—2 contact female connector for antenna leads
75537	Control—Volume control and power switch (R22, S2)
75561	Control—Tone control—L.F. (R19)
75562	Control—Tone control—H.F. (R34)
72953	Cord—Drive cord (approx. 66" overall)
75564	Coupling—Spring coupling for function switch extension shaft
75556	Cover—insulating cover for electrolytic
74839	Fastener—Push fastener for mounting r-f shelf (4 req'd)
16058	Grommet—Rubber grommet for mounting r-f shelf (4 req'd)
75547	Grommet—Rubber grommet to mount slides to bottom—rear (2 req'd)
75548	Grommet—Rubber grommet to mount slides to bottom—front (2 req'd)
11765	Lamp—Dial lamp—Mazda 51
75544	Nut—Rivnut to fasten screw for mounting chassis (4 req'd)

STOCK No.	DESCRIPTION
18469	Plate—Bakelite mounting plate for electrolytic
75535	Plate—Dial back plate complete with three (3) pulleys
75536	Pointer—Station selector pointer
72602	Pulley—Drive cord pulley
72323	Resistor—Wire wound, 3 ohms, ½ watt (R25)
73637	Resistor—Wire wound, 2200 ohms, 5 watts (R24)
	Resistor—Fixed, composition:— 68 ohms, ±10%, ½ watt (R1, R26) 100 ohms, ±10%, ½ watt (R15, R38, R43) 120 ohms, ±10%, ½ watt (R27) 270 ohms, ±5%, 2 watts (R42) 390 ohms, ±10%, ½ watt (R9) 680 ohms, ±10%, ½ watt (R4) 680 ohms, ±20%, ½ watt (R30, R31) 1000 ohms, ±10%, ½ watt (R6) 1200 ohms, ±5%, ½ watt (R46) 3300 ohms, ±5%, ½ watt (R40, R45) 8200 ohms, ±10%, 1 watt (R3) 15,000 ohms, ±10%, ½ watt (R44) 18,000 ohms, ±10%, ½ watt (R7, R20) 22,000 ohms, ±10%, ½ watt (R28, R29) 27,000 ohms, ±10%, ½ watt (R18, R21) 39,000 ohms, ±10%, 1 watt (R16) 56,000 ohms, ±10%, ½ watt (R32) 68,000 ohms, ±10%, ½ watt (R39) 82,000 ohms, ±10%, ½ watt (R36) 120,000 ohms, ±10%, ½ watt (R8, R16) 150,000 ohms, ±10%, ½ watt (R12, R14) 220,000 ohms, ±20%, ½ watt (R11) 270,000 ohms, ±10%, ½ watt (R35) 470,000 ohms, ±10%, ½ watt (R2, R37, R41, R48) 1.5 megohm, ±10%, ½ watt (R17, R51) 2.2 megohm, ±20%, ½ watt (R5, R10, R13) 10 megohm, ±20%, ½ watt (R23) 22 megohm, ±20%, ½ watt (R33)
75540	Shaft—Tuning knob shaft
75565	Shaft—Extension shaft for function switch
73584	Shield—Tube shield
75546	Slide—Slide mechanism complete for radio chassis bottom
31251	Socket—Tube socket, octal, wafer
73117	Socket—Tube socket, 7 pin, miniature
74179	Socket—Tube socket, 7 pin, miniature for V1 and V2
31364	Socket—Dial lamp socket
75563	Spring—Retaining spring for function switch extension shaft
76332	Spring—Drive cord tension spring
74847	Support—Polystyrene support for FM, oscillator coil complete with mounting bracket
75568	Switch—Function switch (S1-1, S1-2, S1-3, S3)
75557	Transformer—Output transformer (T7)
73743	Transformer—Radio detector transformer (T5)
75558	Transformer—First i-f transformer (AM) complete with adjustable screws (T2)
75559	Transformer—First i-f transformer (FM) complete with adjustable cores (T1)
73037	Transformer—Second i-f transformer (AM) complete with adjustable screws (T4)
75560	Transformer—Second i-f transformer (FM) complete with adjustable cores (T3)
75566	Transformer—Power transformer 115 volts, 60 cycle (T6)
33726	Washer—"C" for tuning knob shaft
	RADIO ROLLOUT CARRIAGE
75552	Decal—Function decal for radio controls—Model 6T84
75573	Decal—Function decal for radio controls—Models 6T86 and 6T87
75550	Dial—Polystyrene dial scale—Model 6T84
75572	Dial—Polystyrene dial scale—Models 6T86 and 6T87
75571	Frame—Moulded frame (maroon) for mounting radio chassis and 45 RPM changer for mahogany or walnut instrument—Models 6T86 and 6T87
75549	Frame—Moulded frame (maroon) for mounting radio chassis and 45 RPM changer for mahogany or walnut instrument—Model 6T84
75683	Frame—Moulded frame (light brown) for mounting radio chassis and 45 RPM changer for oak instruments—Model 6T84
75684	Frame—Moulded frame (light brown) for mounting radio chassis and 45 RPM changer for oak instruments—Models 6T86 and 6T87
75551	Handle—Metal pull-out handle for mounting frame
75555	Screw—No. 8-32 x 5/8" cross recessed pan head machine screw to mount radio chassis (4 req'd)
	SPEAKER ASSEMBLY Model 6T84 92569-9 WRMA 274 RL 111—14
13867	Cap—Dust cap
74901	Cone—Cone and voice coil assembly
74974	Speaker—12" P.M. speaker (3.16 oz.) complete with cone and voice coil (3.2 ohms)
	SPEAKER ASSEMBLY 92569-9B Model 6T84
75875	Cone—Cone and voice coil assembly (3.2 ohms)
	Note: If stamping on speaker does not agree with above number, order replacement parts by referring to model number of instrument, number stamped on speaker and full description of part required.

STOCK No.	DESCRIPTION
	SPEAKER ASSEMBLY Models 6T86 and 6T87 92569-12W RMA 274 RL 111-A1
13867	Cap—Dust cap
75682	Cone—Cone and voice coil assembly (3.2 ohms)
75681	Speaker—12" P.M. speaker complete with cone and voice coil (3.2 ohms)
	Note: If stamping on speaker does not agree with above number, order replacement parts by referring to model number of instrument, number stamped on speaker and full description of part required.
	MISCELLANEOUS
75705	Antenna—Radio antenna loop complete less cable for Models 6T86 and 6T87
75706	Antenna—Radio antenna loop complete less cable for Model 6T84
75685	Back—Cabinet back cover for radio-phono (45 RPM) compartment—assembled to cabinet (Model 6T84)
75688	Back—Cabinet back cover for radio-phono (45 RPM) compartment—assembled to cabinet (Model 6T87)
75698	Back—Cabinet back cover for radio-phono (45 RPM) compartment—assembled to cabinet (Model 6T86)
75700	Back—Back cover complete with terminal board and power cord for television chassis (Models 6T84 and 6T86)
75701	Back—Back cover complete with terminal board and power cord for television chassis (Model 6T87)
75686	Back—Back cover—maroon—for 33 1/3/78 phono compartment for mahogany or walnut instruments—assembled to rollout (Model 6T84)
75689	Back—Back cover—maroon—for radio—45 RPM phono compartment for mahogany or walnut instruments—assembled to rollout (Model 6T84)
75692	Back—Back cover—maroon—for radio—45 RPM phono compartment for mahogany or walnut instruments—assembled to rollout (Models 6T86 and 6T87)
75699	Back—Back cover—maroon for 33 1/3/78 RPM phono compartment for mahogany or walnut instruments—assembled to rollout (Model 6T86)
75687	Back—Back cover—light brown—for 33 1/3/78 phono compartment for oak instruments—assembled to rollout (Model 6T84)
75690	Back—Back cover—light brown—for radio—45 RPM phono compartment for oak instruments—assembled to rollout (Model 6T84)
75693	Back—Back cover—light brown—for radio—45 RPM phono compartment for oak instruments—assembled to rollout (Models 6T86 and 6T87)
75473	Board—Television antenna terminal board (2 contact)
75707	Board—F-M antenna terminal board (3 contact) for (Models 6T86 and 6T87)
75694	Bracket—Radio—45 RPM phono rollout mechanism stop bracket less rubber bumper
75695	Bracket—33 1/3/78 RPM phono rollout mechanism stop bracket less rubber bumper (Models 6T84 and 6T86)
71599	Bracket—Pilot lamp bracket
75696	Bumper—Rubber bumper for rollout mechanism stop bracket
74545	Cable—Shielded pickup cable complete with pin plug for 33 1/3/78 RPM changer (Models 6T86 and 6T87)
74296	Cable—Shielded pickup cable complete with pin plug for 33 1/3/78 RPM phono (Model 6T84)
72447	Cable—Shielded audio cable complete with two (2) pin plugs
72437	Cable—Shielded pickup cable complete with pin plug for 45 RPM phono
13103	Cap—Pilot lamp cap
71892	Catch—Bullet catch and strike for cabinet door
X3144	Cloth—Grille cloth for mahogany or walnut instruments (Model 6T84)
X3093	Cloth—Grille cloth for oak instruments (Model 6T84 and 6T87)
X3130	Cloth—Grille cloth for mahogany or walnut instruments (Models 6T86 and 6T87)
30870	Connector—2 contact male connector for motor leads for 45 RPM phono
75703	Connector—5 contact male connector for television power cord assembly less shell
74882	Connector—2 contact (polarized) male connector for radio antenna loop cable
74752	Connector—2 contact male connector for F-M antenna cable
30868	Connector—2 contact female connector for main cable
75474	Connector—Single contact male connector for speaker (on main cable) (2 req'd)
75709	Connector—8 contact female connector for main cable less shell (P6 (RC1090) P4 (RC1092)
75710	Connector—5 contact female connector for main cable less shell (P8 (RC1090) J6 (RC1092)
39153	Connector—4 contact male connector for television antenna cable
75702	Cord—Television power cord complete with two (2) contact female connector less 5 contact male connector
70392	Cord—Power cord and plug—part of main cable
75608	Cushion—Dust seal cushion (rubber) for kinescope mask
74273	Decal—Trade mark decal (Victrola)
71984	Decal—Trade mark decal (RCA Victor)
75640	Decal—Television controls function decal for mahogany or walnut instruments
75680	Decal—Television controls function decal for oak instruments
74809	Emblem—"RCA Victor" emblem
75455	Escutcheon—Channel marker escutcheon — dark — for mahogany or walnut instruments
75456	Escutcheon—Channel marker escutcheon—light—for oak instruments
74606	Glass—Safety Glass
37396	Grommet—Rubber grommet to mount speaker (4 req'd)
74838	Grommet—Power cord strain relief (1 set)
75697	Grommet—Rubber grommet to mount 45 RPM changer (3 req'd)
75551	Handle—Metal pullout handle for 33 1/3/78 RPM phono mounting frame (Models 6T84 and 6T86)
74308	Hinge—Cabinet door hinge (1 set)
36817	Hinge—Cabinet door hinge (1 set) for center door (Model 6T84)
74959	Knob—Television fine tuning control knob—maroon—for mahogany or walnut instruments (outer)
73995	Knob—Television fine tuning control knob—tan—for oak instruments (outer)
73996	Knob—Television channel selector knob—maroon—for mahogany or walnut instruments (inner)
73997	Knob—Television channel selector knob—tan—for oak instruments (inner)
74962	Knob—Television brightness control or vertical hold control knob—maroon—for mahogany or walnut instruments (outer)
73999	Knob—Television brightness control or vertical hold control knob—tan—for oak instruments (outer)
74969	Knob—Television channel marker escutcheon light switch knob—maroon—for mahogany or walnut instruments
74003	Knob—Television channel marker escutcheon light switch knob—tan—for oak instruments
74963	Knob—Television picture control or horizontal hold control knob—maroon—for mahogany or walnut instruments (inner)
74001	Knob—Television picture control or horizontal hold control—tan—for oak instruments (inner)
75712	Knob—Radio tone control, tuning control or volume control and power switch knob—maroon—for mahogany or walnut instruments
75713	Knob—Radio tone control, tuning control or volume control and power switch knob—tan—for oak instruments
75714	Knob—Function switch knob—maroon—for mahogany or walnut instruments
75715	Knob—Function switch knob—tan—for oak instruments
11765	Lamp—Pilot or channel indicator lamp—Mazda No. 51
75459	Mask—Channel indicator light mask—burgundy—for mahogany or walnut instruments
75460	Mask—Channel indicator light mask—gold—for oak instruments
73634	Nut—Speed nut for speaker mounting screws (4 req'd)
75884	Nut—Speed nut for 33 1/3/78 RPM phono mounting screw (Model 6T86)
75675	Pull—Cabinet door pull (Model 6T84)
75677	Pull—Cabinet door pull for lower doors (Model 6T86)
75678	Pull—Cabinet door pull for upper doors (Model 6T86)
75679	Pull—Cabinet door pull for upper doors (Model 6T87)
74451	Pull—Cabinet door pull for lower doors (Model 6T87)
71456	Screw—No. 8-32 x 7/16" wing screw for deflection yoke and focus magnet mounting support
75883	Screw—No. 10-24 x 2¼" round head machine screw to mount 33 1/3/78 RPM phono (Model 6T86)
75377	Screw—¼—28 x 1⅜" round head machine screw to mount 33 1/3/78 RPM changer (Model 6T87)
75676	Screw—No. 8-32 x ¼" trimit head screw for door pull (Model 6T84)
74269	Screw—No. 8-32 x ¾" trimit head screw for door pulls (Model 6T86)
75623	Screw—No. 8-32 x ⅝" trimit head screw for door pulls for upper doors (Model 6T87)
74113	Screw—No. 8-32 x 1" trimit head screw for door pulls for lower doors (Model 6T87)
75704	Shell—Shell for connector RCA 75703
75708	Shell—Shell for connector RCA 75709
75711	Shell—Shell for connector RCA 75710
74736	Slide—Slide mechanism only for 33 1/3/78 phono compartment drawer (Model 6T87)
75546	Slide—Slide mechanism assembly for 33 1/3/78 RPM phono mounting frame (Models 6T84 and 6T86)
31364	Socket—Pilot lamp socket
72845	Spring—Retaining spring for knobs 73995 and 74959
14270	Spring—Retaining spring for knobs 73996, 73997, 73999, 74003, 74962 and 74969
30330	Spring—Retaining spring for knobs 74001 and 74963
74734	Spring—Retaining spring for knobs 75712, 75713, 75714 and 75715
73643	Spring—Spring clip for channel marker escutcheons
74966	Spring—Formed spring for kinescope masking panel
75691	Spring—Suspension spring (coil type) for main cable
72936	Stop—Cabinet door stop
75457	Washer—Felt washer—dark brown—between knob and channel marker escutcheon for mahogany or walnut instruments
75523	Washer—Felt washer—tan—between knob and channel marker escutcheon for oak instruments
75500	Washer—Felt washer for television compartment back cover
75146	Washer—"C" washer for 33 1/3/78 RPM phono (Model 6T87)

To obtain resistors for which no stock number is given, order by stating type, value of resistance, tolerance and wattage.

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