

Model 9T89 "Sedgwick" Walnut, Mahogany or Oak

RCA VICTOR

TELEVISION, AM-FM

Chassis Nos. KCS60 or KCS60T and RC1092 Record Changers RP168 or RP190 and 960284

- Mfr. No. 274 -

SERVICE DATA

- 1950 No. T17-

PREPARED BY RCA SERVICE CO., INC.

FOR

RADIO CORPORATION OF AMERICA RCA VICTOR DIVISION

CAMDEN, N. J., U. S. A.

GENERAL DESCRIPTION

Model 9T89 is a deluxe television—AM-FM radio phonograph combination. The receiver employs 26 tubes plus 3 rectifiers and a 19 inch kinescope.

Two record changers are provided to play 45 and 78/331/3 RPM records.

The receiver is provided with cabinet antennas for AM, FM and TV where local conditions permit their use.

ELECTRICAL AND MECHANICAL SPECIFICATIONS

| PICTURE SIZE204 square inches on a 19AP4A kinescope | RECEIVER ANTENNA INPUT IMPEDANCE Choice: 300 ohms balanced or 72 ohms unbalanced. |
|---|--|
| TELEVISION R-F FREQUENCY RANGE | RCA TUBE COMPLEMENT |
| All 12 television channels, 54 mc. to 88 mc., 174 mc. to 216 mc. | - T T T T T T T T |
| Fine Tuning Range ± 250 kc. on chan. 2, ± 650 kc. on chan. 13 | Tube Used Television Chassis Function (1) RCA 6CB6 |
| Picture Carrier Frequency25.50 mc. | (2) RCA 6J6 R-F Oscillator and Mixer |
| Sound Carrier Frequency21.00 mc. | (2) PCA GAIIG Ist Sound I-r Ampliner |
| | (A) BCA SAIIS 2nd Sound I-F Amplifier |
| RADIO TUNING RANGE | (5) PCA GAIS Sound Discriminator |
| Broadcast540-1,600 kc. | (C) DCA CANC (VCSCOT) Bigs Clamp |
| Frequency Modulation88-108 mc. | (7) RCA SAIIS 1st Picture 1-F Ampliner |
| Intermediate Frequency—AM455 kc. | (o) BC A GCRG |
| Intermediate Frequency—FM10.7 mc. | (9) RCA 6AU6 3rd Picture I-F Amplifier |
| mermediate frequency 222 | (10) RCA 6CB6 |
| POWER SUPPLY RATING115 volts, 60 cycles, 315 watts | (11) RCA 6AL5 Picture 2nd Detector and AGC Detector |
| | (12) RCA 12AU7 |
| AUDIO POWER OUTPUT RATINGll watts max. | (13) RCA 12AU7 |
| | or RCA 6SN7(RCS60) Vert. Sweep Osc. & Blad Statistics or RCA 6SN7GT Sync. Amp. & Vert. Swp. Osc. |
| CHASSIS DESIGNATIONS | (15) RCA 6K6GT Vertical Sweep Output |
| Television ChassisKCS60 or KCS60T | (16) RCA 6SN7GT Horizontal Sweep Oscillator and Control |
| Radio ChassisRC1092 | (17) RCA 6BG6G Horizontal Sweep Output |
| 78/33½ RPM Record Changer960284 | (17) RCA 6BG0G Damper |
| 45 RPM Record ChangerRP168 or RP190 | (19) RCA 1B3-GT/8016High Voltage Rectifier |
| Refer to Service Data 960284 or RP168 or RP190 for information | (20) RCA 19AP4A Kinescope |
| on the record changers. | (21) RCA 5U4G Rectifier |
| | (ZI) HON 3040 |
| LOUDSPEAKER-92569-1212 inch PM Dynamic | (RC1092 Radio Chassis) |
| Voice Coil Impedance3.2 ohms at 400 cycles | (1) RCA 6CB6 R-F Amplifier |
| - | (2) BCA 616 Oscillator and Mixer |
| WEIGHT | (3) BCA 6BA6 I-F Amplifier |
| Chassis with Tubes in Cabinet222 lbs. | (4) RCA 6AV6 Driver |
| Shipping Weight277 lbs. | (5) RCA 6AL5 |
| | (6) RCA 6AV6 AM Det., AVC and Audio Amplifier (7) RCA 6C4 |
| DIMENSIONS (inches) Width Height Depth | (8) RCA 6V6GT (2 tubes) |
| Cabinet (outside) | (9) RCA 5Y3GT |
| TV Chassis (Overall) 191/4 12 21 | *, |
| | |

9T89

ELECTRICAL AND MECHANICAL SPECIFICATIONS

(Continued)

| PICTURE INTERMEDIATE FREQUENCIES | | | VIDEO 1 |
|--|-------|-----|---------|
| Picture Carrier Frequency | 25.50 | Mc. | FOCUS |
| Adjacent Channel Sound Trap | 27.00 | Mc. | SWEEP |
| Accompanying Sound Traps | 21.00 | Mc. | |
| Adjacent Channel Picture Carrier Traps | 19.50 | Mc. | SCANN |
| | | | HORIZO |
| SOUND INTERMEDIATE FREQUENCIES | | | TIPOMIO |
| Sound Carrier Frequency | 21.00 | Mc. | VERTIC |
| Sound Discriminator Band Width between peaks | 400 | kc. | FRAME |

| 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) |

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 VOL-UME control to approximately mid-position.
- 3. Set the STATION SELECTOR to the desired channel.
- 4. Adjust the FINE TUN-ING control for best sound fidelity and the SOUND VOLUME control for suitable volume.
- 5. Turn the BRIGHTNESS control fully counter-clockwise, then clockwise until α light pattern appears on the screen.
- 6. Adjust the VERTICAL hold control until the pattern stops vertical movement.
- 7. Adjust the HORIZON-TAL 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 read-

just the FINE TUNING control slightly for improved sound fidelity.

 $10. \ {
m In}$ 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.

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 FUNC-TION switch to AM.
- 2. Tune in the desired station with the TUNING control.

PHONOGRAPH OPERATION

- 1. Turn the radio FUNC-TION) switch to 78-33 for operation of the 78/33\(^1\)8 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."

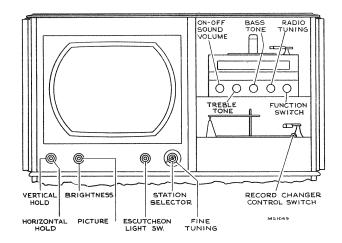


Figure 1-Receiver Operating Controls

THE TELEVISION CHASSIS USED IN MODEL 9T89 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 USED IN MODEL 9T89 IS IDENTICAL TO THE RADIO CHASSIS (RC-1092) USED IN MODELS 6T86 AND 6T87. REFER TO PAGES 418, 419, 420, 421 AND 422 FOR SERVICE INFORMATION ON CHASSIS NO. RC-1092.

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.

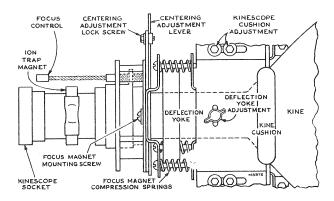


Figure 2-Yoke and Focus Magnet Adjustments

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 S106 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.

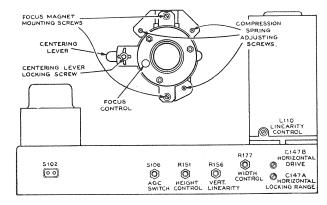


Figure 3-Rear Chassis Adjustments

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 ADJUST-MENTS.—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 C147B 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.

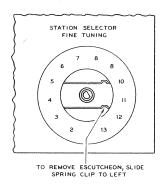
HEIGHT AND VERTICAL LINEARITY ADJUSTMENTS.—Adjust the height control (R151 on chassis rear apron) until the picture fills the mask vertically. Adjust vertical linearity (R156 on rear apron), until the test pattern is symmetrical from top to bottom. Adjustment of either control will require a readjustment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



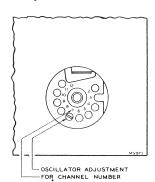


Figure 4-RF Oscillator Adjustments

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 counterclockwise 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.

Replace the cabinet back and reconnect the receiver antenna leads to the cabinet back. Tighten the back retaining screws securely otherwise the back may rattle or buzz when the receiver is operated at high volume.

RADIO OPERATION.—Turn the receiver function switch to the AM and FM 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.

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

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. 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.

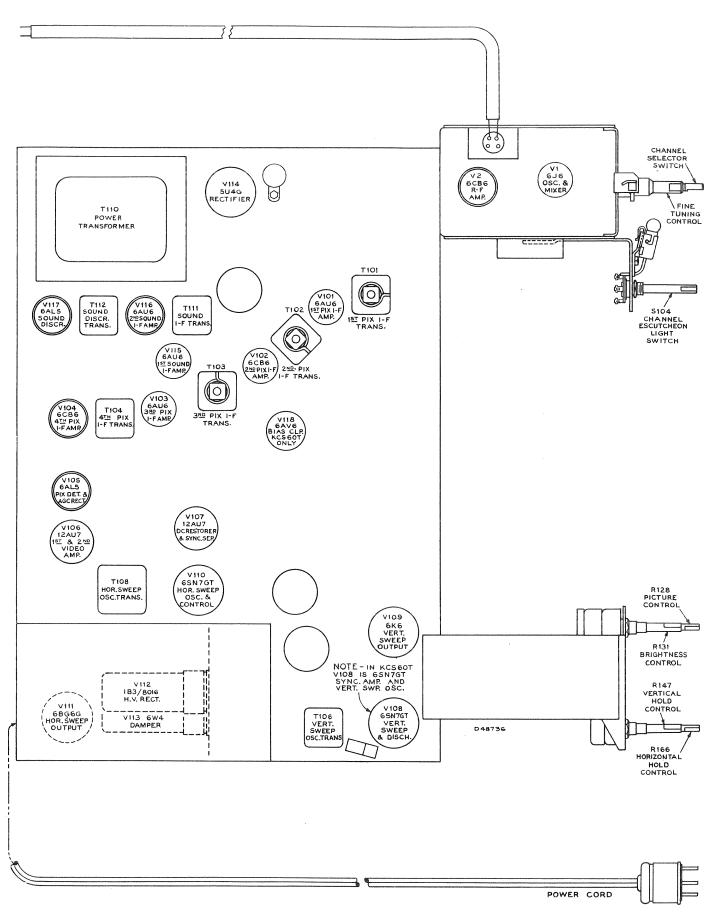
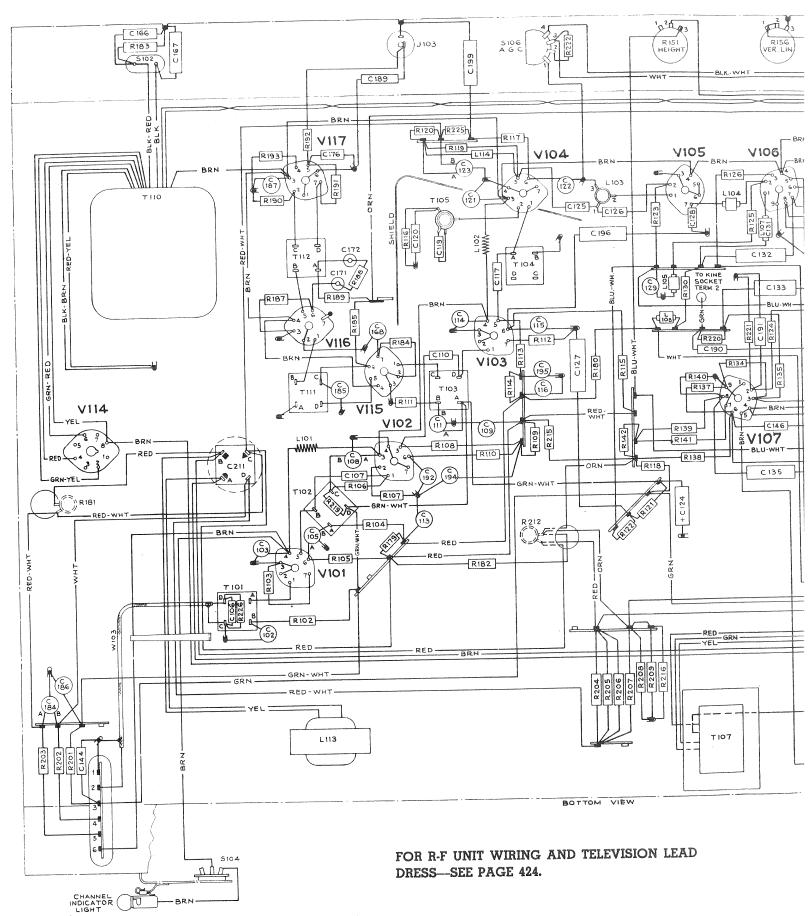


Figure 5—Chassis Top View

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 spaced and the AGC control property adjusted. The second condition was obtained by removing the anierned leads and short accutating the picture spaced and the AGC control property adjusted. The second condition was control to the picture of the picture of the AGC control property adjusted. The second condition was control to the picture of the picture of the AGC control property adjusted.

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| The continue contin | | | -4.5 | 4.0 | 0 | 0 | 7.4 | 7.0 | -58 | -58 | 0 | 0 | 14.6 | -2.9 | -82 | -82 | -33 | -33 | ı | | 1 | 1 | | | -0.2 | 9.1 | -1.3 | -0.5 | 1 | ı | -3.4 | -0.2 | | |
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| Part | chassis | rpe 7pe | | CSeoT | SeoT | | | | | - | - | | | | | | | | | | SW4 | | | | AUG | | | | \neg | | | CS60T | 9AP4 | |
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| 6 FI Type 6 FI | or "VoltOhmyst" between the indic | dns less than. | Notes | Plate Screen (ma.) | | | 4.0 | 3.9 | 3.0 | 10.3 | 1.7 | 5.2 | 2.0 | 5.5 | 1.7 | 6.4 | 9.6 | 9.0 | | - <0.1 | - <0.1 | | 3.6 | 2.6 — | 0.9 | 0.6 | 9.3 — A | 13.6 | 12.9 | 13.6 | <0.1 | <0.1 | | \vdash |
| 6 FI Type 6 FI | 7A Senior "Voltchmyst" between the indic | \sim medns less than. | Grid | Volts (ma.) (ma) | -2.3 | -2.1 | -3.0 4.0 | -2.7 3.9 | -3.4 3.0 0 | -0.2 10.3 | -5.0 1.7 | -0.8 5.2 | -5.0 2.0 | -0.8 5.5 | -5.0 1.7 | -0.75 4.9 | 9.6 | 0 9.0 | 1 | <0.1 | 1 | | -2.3 3.6 | -0.5 2.6 | -2.6 0.9 | -0.5 0.6 | 118 9.3 — A | 110 13.6 — | 120 12.9 — | 110 13.6 — | 4.7 <0.1 - | -0.7 <0.1 | 4.7 | |
| 6 FI Tube 6 FI E | a WV97A Senior "VoltOhmyst" between the indic | ie symbol $<$ medns less thdn. | E. Grid I I Notes | Pin Plate Screen No. Volts (ma.) | 52.3 | 5 -2.1 | 6 -3.0 4.0 | 62.7 3.9 | 1 -3.4 3.0 0 | 1 -0.2 10.3 | 1 -5.0 1.7 | 1 -0.8 5.2 | 1 -5.0 2.0 | 10.8 5.5 | 1 -5.0 1.7 | 1 -0.75 4.9 | 1 0 9.6 | 1 0 9.0 | 1 | 1 | 1 | 1 | 2 -2.3 3.6 | 2 -0.5 2.6 | 2 -2.6 0.9 | 2 -0.5 0.6 | 7 118 9.3 — A | 7 110 13.6 — | 7 120 12.9 — | 7 110 13.6 — | 5 2 -4.7 <0.1 - | 5 2 -0.7 <0.1 - | 7 4.7 | |
| 6 FI Tube 6 FI E | ed. The second condition was condition of removing and with a WV97A Senior "Voltohmyst" between the indic | $	ext{c.}$ The symbol $<$ medns less than. | Cathode E. Grid 1 Notes | Pin Pin Plate Screen Volts No. Volts (mα.) (mα) | 0 5 -2.3 | 0 5 -2.1 | 0 6 -3.0 4.0 | 0 6 -2.7 3.9 - | 0.1 1 -3.4 3.0 0 | 0.4 1 -0.2 10.3 | 0.3 15.0 1.7 | 0.8 1 -0.8 5.2 | 0.3 15.0 2.0 | 0.8 10.8 5.5 | 0.2 1 -5.0 1.7 | 0.5 10.75 4.9 | 2 2.25 1 0 9.6 | 2 2.1 1 0 9.0 | - 0 | - 0 | - 0 | - 0 | 1.2 2 -2.3 3.6 | 0.9 2 -0.5 2.6 | 9.0 2 -2.6 0.9 | 6.9 2 -0.5 0.6 | 125 7 118 9.3 — A | 121 7 110 13.6 — | 131 7 120 12.9 — | 121 7 110 13.6 — | 45.5 2 -4.7 <0.1 | 8.5 2 -0.7 <0.1 - | 6.0 7 4.7 | |
| 6 FI Tube 6 FI E | dajusted. The second condition was commed of removing and a green read with a WV97A Senior "VoltOhmyst" between the indice | cycles, a.c. The symbol $<$ means less than. | E. Cathode E. Grid 1 1 Notes | Pin Pin Pin Plate Screen s No. Volts No. Volts (mα) | 0 5 -2.3 | 0 5 -2.1 | 0 6 -3.0 4.0 | 7 0 6 -2.7 3.9 - | 2 0.1 1 -3.4 3.0 0 | 2 0.4 1 -0.2 10.3 | 7 0.3 1 -5.0 1.7 | 7 0.8 1 -0.8 5.2 | 2 0.3 1 -5.0 2.0 | 2 0.8 10.8 5.5 | 7 0.2 15.0 1.7 | 7 0.5 10.75 4.9 | 2 2 2.25 1 0 9.6 | 2 2.1 1 0 9.0 | 1 0 | - 0 | - 0 - 2 | - 0 | 1.2 2 -2.3 3.6 | 3 0.9 2 -0.5 2.6 | 3 9.0 2 -2.6 0.9 | 3 6.9 2 -0.5 0.6 | 8 125 7 118 9.3 — A | 121 7 110 13.6 — | 131 7 120 12.9 — | 8 121 7 110 13.6 — | 3 45.5 2 -4.7 <0.1 | 3 8.5 2 -0.7 <0.1 | 8 6.0 7 4.7 | |
| 6 FI Tube 6 FI E | properly agjusted. The second condition was condition of removing the shown are read with a WV97A Senior "Voltohmyst" between the indicates | volts, 60 cycles, a.c. The symbol $<$ means less than. | Screen E. Cathode E. Grid 1 1 Notes | Pin Pin Pin Pin Pin Pin Pin Pin (ma.) | _ 7 0 5 -2.3 | 7 0 5 -2.1 | 7 0 6 -3.0 4.0 | 7 0 6 -2.7 3.9 | 6 130 2 0.1 1 -3.4 3.0 0 | 6 84 2 0.4 1 -0.2 10.3 | 6 222 7 0.3 15.0 1.7 | 6 135 7 0.8 1 -0.8 5.2 | 6 203 2 0.3 1 -5.0 2.0 | 6 112 2 0.8 1 -0.8 5.5 | 6 225 7 0.2 1 -5.0 1.7 | 6 132 7 0.5 1 -0.75 4.9 | 6 142 2 2.25 1 0 9.6 | 6 132 2 2.1 1 0 9.0 | | - 1 0 | - 2 0 5 | - 2 | | 3 0.9 2 -0.5 2.6 | | 3 6.9 20.5 0.6 | B 125 7 118 9.3 — A | | | 8 121 7 110 13.6 | | 3 8.5 2 -0.7 <0.1 | _ 8 6.0 7 4.7 | |
| 6 FI Tube 6 FI E | control property dolusted. The second contained by seminary with a WV97A Senior "Voltohmyst" between the indic | on 117 volts, 60 cycles, $lpha$ -c. The symbol $<$ means less than. | E. Screen E. Cathode E. Grid 1 1 Noises | lts No. Volts (ma.) | _ 7 0 5 -2.3 | 7 0 5 -2.1 | 7 0 6 -3.0 4.0 | 7 0 6 -2.7 3.9 | 6 130 2 0.1 1 -3.4 3.0 0 | 6 84 2 0.4 1 -0.2 10.3 | 6 222 7 0.3 15.0 1.7 | 6 135 7 0.8 1 -0.8 5.2 | 6 203 2 0.3 1 -5.0 2.0 | 6 112 2 0.8 1 -0.8 5.5 | 6 225 7 0.2 1 -5.0 1.7 | 6 132 7 0.5 1 -0.75 4.9 | 6 142 2 2.25 1 0 9.6 | 6 132 2 2.1 1 0 9.0 | | - 1 0 | - 2 0 5 | - 2 | | 3 0.9 2 -0.5 2.6 | | 3 6.9 20.5 0.6 | B 125 7 118 9.3 — A | | | 8 121 7 110 13.6 | | 3 8.5 2 -0.7 <0.1 | _ 8 6.0 7 4.7 | |
| 6 FI Tube 6 FI E | he AGC control property dolusted. The second condition was control of semonary months in the indication of the property of the | erating on 117 volts, 60 cycles, $lpha$ -c. The symbol $<$ means less than. | Picte E. Screen E. Cathode E. Grid 1 1 Notes | Pin | 2 144 — — 7 0 5 —2.3 | 135 7 0 5 -2.1 | 1 100 - 7 0 6 -3.0 4.0 - | 1 95 7 0 6 -2.7 3.9 | 5 250 6 130 2 0.1 1 -3.4 3.0 0 | 5 166 6 84 2 0.4 1 -0.2 10.3 | 5 195 6 222 7 0.3 1 -5.0 1.7 | 5 121 6 135 7 0.8 1 -0.8 5.2 | 5 222 6 203 2 0.3 1 -5.0 2.0 | 5 124 6 112 2 0.8 1 -0.8 5.5 | 5 185 6 225 7 0.2 1 -5.0 1.7 | 5 94 6 132 7 0.5 1 -0.75 4.9 | 5 165 6 142 2 2.25 1 0 9.6 | 5 118 6 132 2 2.1 1 0 9.0 | 7 -2.0 - 1 0 | 7 -0.5 1 0 | 2 -9.5 5 0 | 2 -2.0 - 5 0 | 1 100 — — 3 1.2 2 —2.3 3.6 — | 1 54 - 3 0.9 2 -0.5 2.6 | 1 190 - 3 9.0 2 -2.6 0.9 | 1 122 - 3 6.9 2 -0.5 0.6 - | 6 330 — 8 125 7 118 9.3 — A | 295 — 8 121 7 110 13.6 — | 7. 6 300 — 8 131 7 120 12.9 — | 6 295 — 8 121 7 110 13.6 — | 1 5.0 - 3 45.5 2 -4.7 <0.1 - | 1 5.5 - 3 8.5 2 -0.7 <0.1 - | 6 36 - 8 6.0 7 4.7 | |
| 6 FI Type 6 FI | ynced and the AGC control property adjusted. The second contains was obtained by semantaged antenna terminals. Voltages shown are read with a WV97A Senior "VoltOhmyst" between the indicantenna terminals. | receiver operating on 117 volts, 60 cycles, a.c. The symbol < means less than. | Picte E. Screen E. Cathode E. Grid 1 1 Notes | Pin | V. 2 144 — — 7 0 5 —2.3 | 2 135 - 7 0 5 -2.1 | 1 100 - 7 0 6 -3.0 4.0 - | 1 95 7 0 6 -2.7 3.9 | 5 250 6 130 2 0.1 1 -3.4 3.0 0 | 5 166 6 84 2 0.4 1 -0.2 10.3 | 5 195 6 222 7 0.3 1 -5.0 1.7 | 5 121 6 135 7 0.8 1 -0.8 5.2 | 2500 Mat. V. 5 222 6 203 2 0.3 1 -5.0 2.0 | No Signard 5 124 6 112 2 0.8 1 -0.8 5.5 | 5 185 6 225 7 0.2 1 -5.0 1.7 | 5 94 6 132 7 0.5 1 -0.75 4.9 | 5 165 6 142 2 2.25 1 0 9.6 | 5 118 6 132 2 2.1 1 0 9.0 | 7 -2.0 - 1 0 | 7 -0.5 1 0 | 2 -9.5 5 0 | 2 -2.0 - 5 0 | 1 100 — — 3 1.2 2 —2.3 3.6 — | 1 54 - 3 0.9 2 -0.5 2.6 | 1 190 - 3 9.0 2 -2.6 0.9 | 1 122 - 3 6.9 2 -0.5 0.6 - | 6 330 — 8 125 7 118 9.3 — A | 6 295 - 8 121 7 110 13.6 - | 7. 6 300 — 8 131 7 120 12.9 — | 6 295 — 8 121 7 110 13.6 — | 2500 Ma. V. Sirnel 1 5.0 - 3 45.5 2 4.7 <0.1 - | No Simple 1 5.5 - 3 8.5 2 -0.7 <0.1 - | 2500 Mu. V. Sjandl 6 38 — 8 6.0 7 4.7 | Significant of the second of t |
| 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | the picture synced and the AGC control property dajusted. The second condution was obtained by semontal the receiver antenna terminals. Voltages shown are read with a WV97A Senior "Voltahmyst" between the indic | and with the receiver operating on 117 volts, 60 cycles, a-c. The symbol $<$ means less than. | Picte E. Screen E. Cathode E. Grid 1 1 Notes | Operating Pin | 2500 Mu. V. Signal 2 144 — — 7 0 5 —2.3 | No Signal 2 135 — — 7 0 5 –2.1 | 2500 Mu. V. Signal 1 100 — 7 0 6 -3.0 4.0 — | No Simmal 1 95 — 7 0 6 –2.7 3.9 — | 2500 Mu. V. 5 250 6 130 2 0.1 1 -3.4 3.0 0 | Signal 5 166 6 84 2 0.4 1 -0.2 10.3 | 2500 Mu. V. Siqual 5 195 6 222 7 0.3 1 -5.0 1.7 | No No Circuit 5 121 6 135 7 0.8 1 -0.8 5.2 | 2500 Mat. V. 5 222 6 203 2 0.3 1 -5.0 2.0 | No Signard 5 124 6 112 2 0.8 1 -0.8 5.5 | 2500 Mu. V. Signal 5 185 6 225 7 0.2 1 -5.0 1.7 | Signal 5 94 6 132 7 0.5 1 -0.75 4.9 | 2500 Mu. V. Signal 5 165 6 142 2 2.25 1 0 9.6 | No Signal 5 118 6 132 2 2.1 1 0 9.0 | 2500 Mu. V. Syndol 7 – 2.0 – 1 0 – – – | No Signal 7 -0.5 1 0 | 2500 Mu. V. Signal 2 -9.5 5 0 | No Signal 2 -2.0 - 5 0 | 1st Video 2500 Mu. V. Amplifier Signal 1 100 0 - 3 1.2 2 -2.3 3.6 - | No Signal 1 54 3 0.9 2 -0.5 2.6 | 1 190 - 3 9.0 2 -2.6 0.9 | 1 122 - 3 6.9 2 -0.5 0.6 - | 2d Video 2500 Mu. V. 6 330 8 125 7 118 9.3 A | Signal 6 295 8 121 7 110 13.6 - | 7. 6 300 — 8 131 7 120 12.9 — | 6 295 — 8 121 7 110 13.6 — | **DC Rest. 2500 Mu. V. 5.0 - 3 45.5 2 -4.7 < 0.1 | Grand 1 5.5 — 3 8.5 2 -0.7 <0.1 — | V. Sep. 2500 Mu. V. 6 Ambilifer Signal 6 38 — 8 6.0 7 4.7 | o Amplinier Signar |
| | the picture synced and the AGC control property agulasted. The second conduton was conducted by temporary the receiver antenna terminats. Voltages shown are read with a WV97A Senior "YoltOhmyst" between the indic | and with the receiver operating on 117 volts, 60 cycles, a-c. The symbol $<$ means less than. | Picte E. Screen E. Cathode E. Grid 1 1 Notes | Function Condition. No. Volts No. Volts No. Volts No. Volts No. Volts No. Volts No. (ma.) | Mixer 2500 Mu. V. 2 144 — 7 0 5 -2.3 | No Signal 2 135 — 7 0 5 -2.1 | RF 2500 Mu. V. Signal 1 100 — 7 0 6 -3.0 4.0 — | No Signated 1 95 7 0 6 -2.7 3.9 | R.F. 2500 Mu. V. Stormel 5 250 6 130 2 0.1 1 -3.4 3.0 0. | Signal 5 166 6 84 2 0.4 1 -0.2 10.3 | 1st Pix. 1.F 2500 Mu. V. Amplifier Signal 5 195 6 222 7 0.3 1 -5.0 1.7 | No circuit 5 121 6 135 7 0.8 1 -0.8 5.2 | 2nd Pix. I-F 2500 Mu. V. Stornell 5 222 6 203 2 0.3 1 -5.0 2.0 | No Signal 5 124 6 112 2 0.8 1 -0.8 5.5 | 3d Pix. IF 2500 Mu. V. Signal 5 185 6 225 7 0.2 1 -5.0 1.7 | No No Signal 5 94 6 132 7 0.5 1 -0.75 4.9 | 4th Pix. I-F 2500 Mu. V. Signed 5 165 6 142 2 2.25 1 0 9.6 | No Signal 5 118 6 132 2 2.1 1 0 9.0 | Picture 2500 Mu. V. 7 –2.0 – 1 0 – — | No Signal 7 -0.5 1 0 | AGC 2500 Mu. V. 2 -9.5 5 0 | Signal 2 -2.0 5 0 | 1st Video 2500 Mu. V. Amplifier Signal 1 100 0 - 3 1.2 2 -2.3 3.6 - | No Signal 1 54 3 0.9 2 -0.5 2.6 | 1 190 - 3 9.0 2 -2.6 0.9 | 1 122 - 3 6.9 2 -0.5 0.6 - | 2d Video 2500 Mu. V. 6 330 8 125 7 118 9.3 A | Signal 6 295 8 121 7 110 13.6 - | 7. 6 300 — 8 131 7 120 12.9 — | 6 295 — 8 121 7 110 13.6 — | **DC Rest. 2500 Mu. V. 5.0 - 3 45.5 2 -4.7 < 0.1 | Grand 1 5.5 — 3 8.5 2 -0.7 <0.1 — | V. Sep. 2500 Mu. V. 6 Ambilifer Signal 6 38 — 8 6.0 7 4.7 | e Ampliner Submiter |



TO VIIZ

SRN

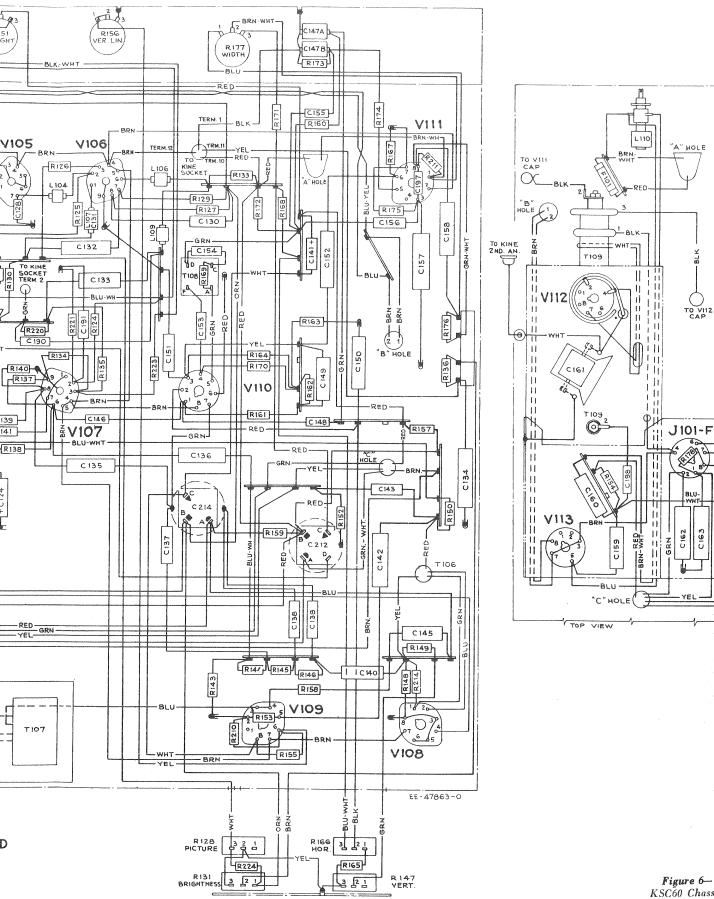
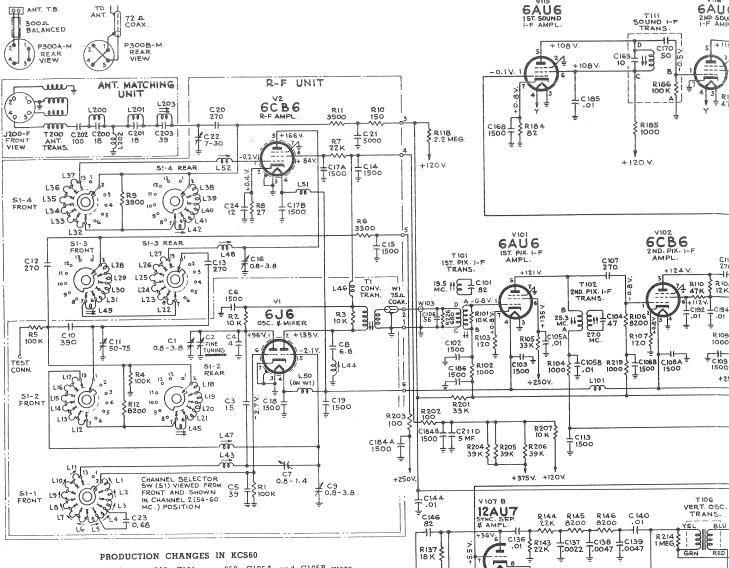


Figure 6— KSC60 Chassis Wiring Diagram



In some receivers, C160 was .022, C161 was 250, C105A and C105B were 1500, R129 was 390K, R180 was 22K, 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 470K, 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 820K, 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 the 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 seriesparallel 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 permissible 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 these resistors may impair circuit operation.

All resistance values in ohms. K \equiv 1000.

R163

R 138 18 K

> R142 390 K

+ 120V

R165

147A - 160

RIZ

R140 } 2200 \$

> ₹8167 3900

All capacitance values less than ${\bf 1}$ in MF and above ${\bf 1}$ in MMF unless otherwise noted.

Coil resistance values ohm are not shown.

cates clockwise rotation.

Direction of arrows at c

311

C 154

R172 } 82 K €

C153

1.2 MEG.

CONTRO

V110

65N7-GT

HOR SWEEP

R151 2.5 MEG HEIGHT

CONTROL

\$ R171 =

C155 560

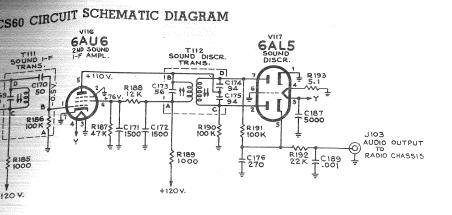
R173

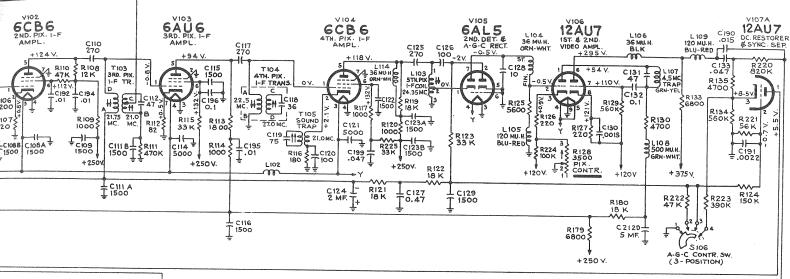
1 MEG

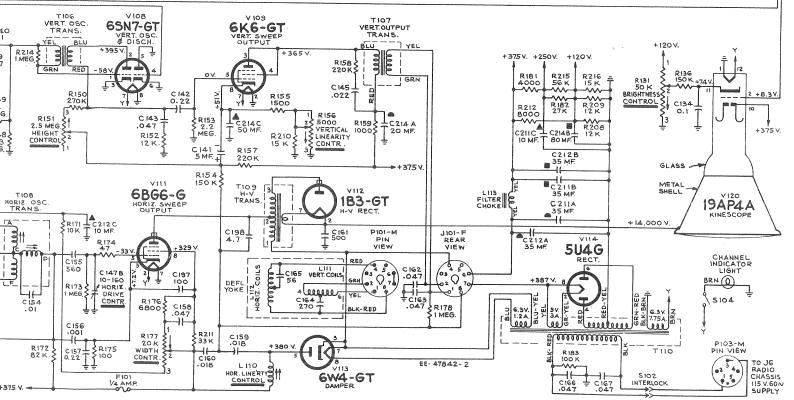
C156

C 157









sistance values less than l ot shown. 1 of arrows at controls indi-

wise rotation.

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 $\pm 20\%$ with 117 v. a-c supply.

Figure 7—Circuit Schematic Diagram for KCS60 chassis

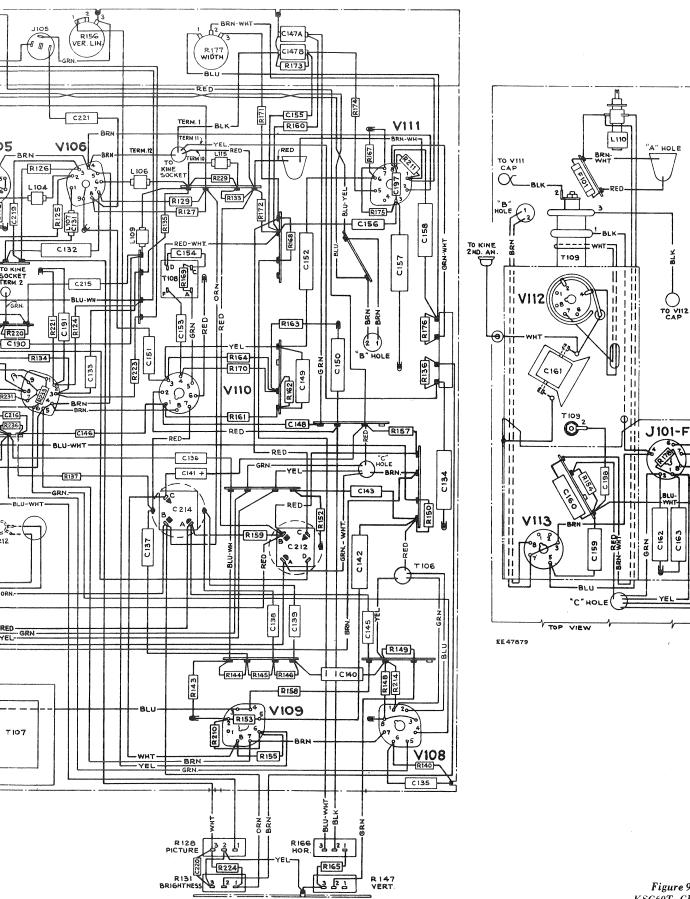
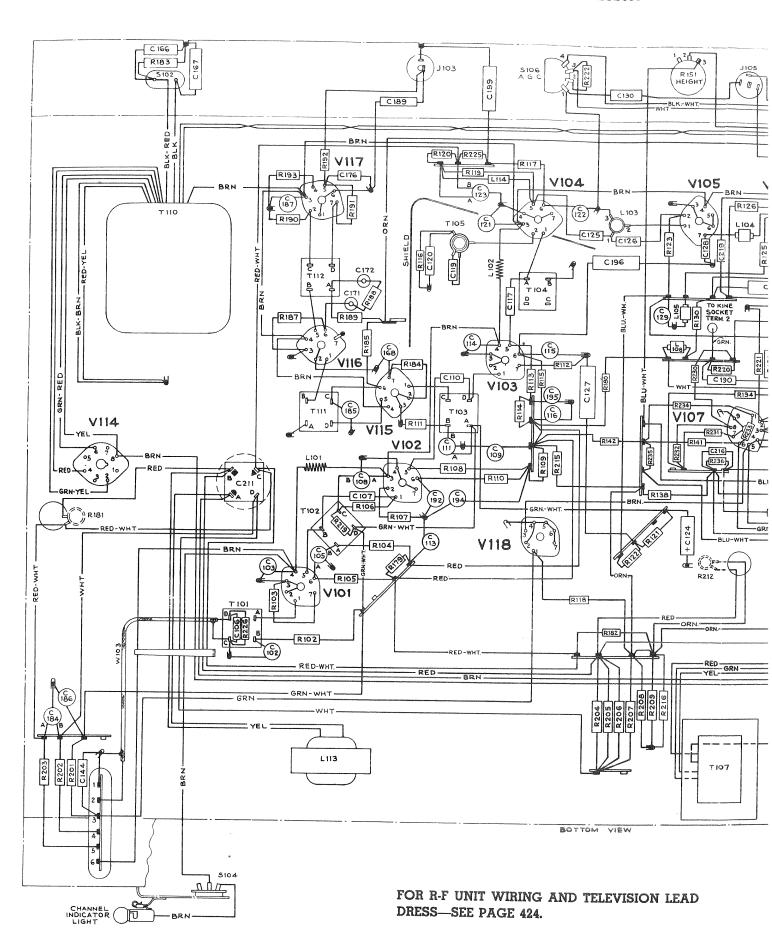
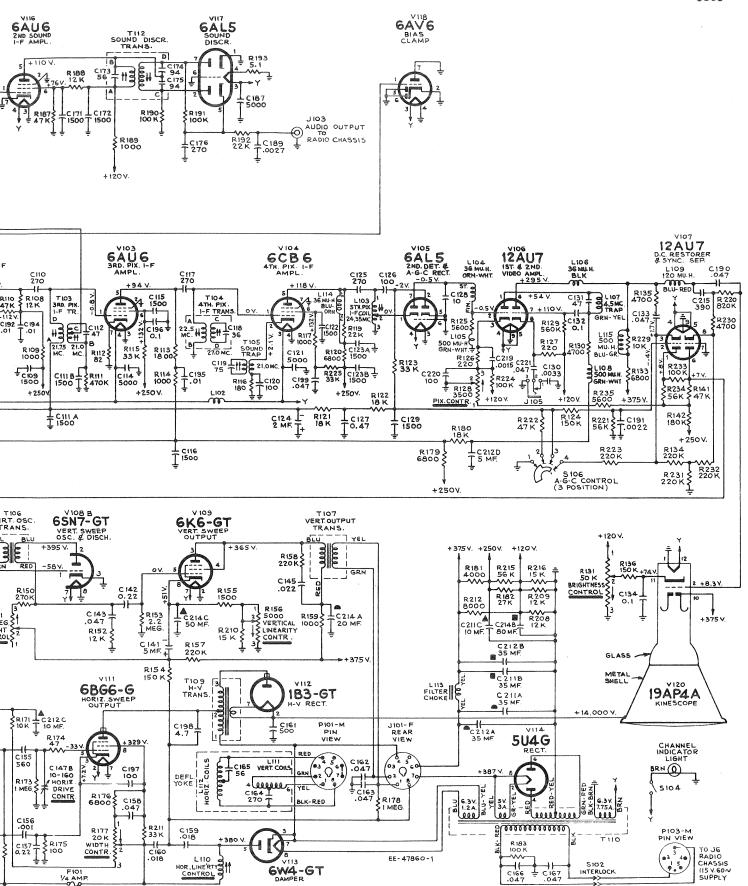


Figure 9-KSC60T Chassis Wiring Diagram

TO VIIZ



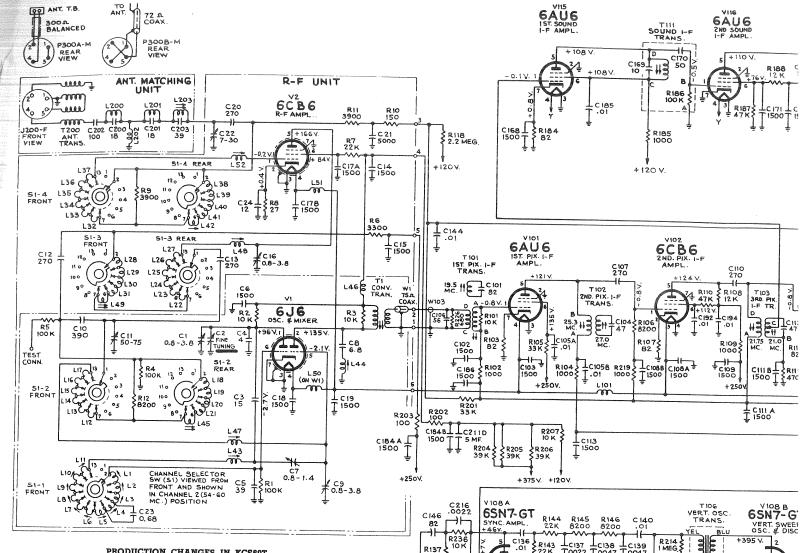
SCHEMATIC DIAGRAM



values less than l . ws at controls indiation. 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 $\pm 20\%$ with 117 v. a-c supply.

Figure 8—-Circuit Schematic Diagram for KCS60T chassis



PRODUCTION CHANGES IN KCS60T

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 C222 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 9T147.

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 mm reparation 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

All resistance values in ohms. K = 1000

+120 V

HOR. HOLD

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

Coil resistance values less than 1 ohm are not shown.

+375 V.

R148

R 169 8

6SN7-GT

HEIGHT

TIOB HORIZ. OSC TRANS.

C 14

6Be

R17

WIDT CONTR

CONTR

C156

Direction of arrows at controls indicates clockwise rotation.

C147A 10-160 HORIZ LOCKING/ RANGE CONTR.

REPLACEMENT PARTS

| STOCK | | STOCK | |
|----------------|---|----------------|---|
| No. | DESCRIPTION | No. | DESCRIPTION |
| | R-F UNIT ASSEMBLIES KRK8B | 75178 | Stator—Convertor stator complete with rotor, coils, capacitors (C10 and C12) and resistors (R4 and |
| 10705 | Ball—Steel ball for detent ($\sqrt[5]{32}$ " dia.) | | R5) (S1-2, C10, C12, L12, L13, L14, L15, L16, L17, L18, L19, L20, L21, L45, R4, R5, R12) |
| 75188 75067 | Board—Terminal board, 5 contact and ground Bracket—Vertical bracket for holding oscillator | 75179 | Stator—R-F amplifier stator complete with rotor, |
| | tube shield | | coils, capacitor (C13) and resistor (R6) (S1-3, C13, L22, L23, L24, L25, L26, L27, L28, L29, L30, L31, |
| 75201 | Cable—75 ohms, coax cable (71/4") complete with coil (W1, L50) | | L49, R6) |
| 75186 | Capacitor—Ceramic, variable, for fine tuning— | 75180 | Stator—Antenna stator complete with rotor, coils, capacitors (C20 and C21) and resistors (R9, R10, |
| 75289 | plunger type (C2) Capacitor—Ceramic, 4 mmf., =0.5 mmf. (C4) | | R11) (S1-4, C20, C21, L32, L33, L34, L35, L36, |
| 75189 | Capacitor—Adjustable, 7-30 mmf. (C22) | 75169 | L37, L38, L39, L40, L41, L42, L52, R9, R10, R11) |
| 75200 | Capacitor—Ceramic, 12 mmf. (C24) | 75170 | Strip—Coil segment mounting strip—RH center Strip—Coil segment mounting strip—LH lower |
| 45465 75196 | Capacitor—Ceramic, 15 mmf. (C3) Capacitor—Ceramic, 39 mmf. (C5) | 75171 | Strip—Coil segment mounting strip—LH upper— |
| 75174 | Capacitor—Ceramic, trimmer, 50-75 mmf. (C11) | 75173 | less trimmer C7 Stud—No. 6-32 x 13/16" adjusting stud for C7 trim- |
| 75199 75641 | Capacitor—Ceramic, 270 mmf. (C12, C13, C20) Capacitor—Ceramic, 390 mmf. (C10) | | mer |
| 75166 | Capacitor—Ceramic, 1500 mmf. (C6, C14, C15, C19) | 75446 | Stud—Capacitor stud—brass—No. 4-40 x $^{13}/_{16}$ " with $^{3}/_{64}$ " screw driver slot for trimmer coils L47, |
| 75089 73748 | Capacitor—Ceramic, dual, 1500 mmf. (C17A, C17B) Capacitor—Ceramic, 1500 mmf. (C18) | | L48 and capacitor C1 uncoded and coded "ER" |
| 73473 | Capacitor—Ceramic, 5000 mmf. (C21) | 75447 | Stud—Capacitor stud—brass—No. 4-40 x $^{13}16''$ |
| 75172 | Capacitor—Tubular, steatite, adjustable, 0.8-1.4 | | with $^3\!\!\!_{64}{}''$ screw driver slot for trimmer coils L47, L48 and capacitor C1 coded numerically and |
| 71504 | mmf. (C7) Capacitor—Ceramic, 0.68 mmf. (C23) | 85101 | "Hi Q" |
| 75184 | Capacitor—Ceramic, adjustable, 0.75-4 mmf., com- | 75181 75190 | Transformer—Convertor transformer Washer—Insulating washer (neoprene) for capaci- |
| 75197 | plete with adjusting stud (C1) Capacitor—Ceramic, 6.8 mmf. (C8) | | tor C7 |
| 75167 | Clip—Tubular, clip for mounting stand-off capaci- | 75607 | Washer—Insulating washer (hex) |
| 75182 | tors Coil—Trimmer coil (1½ turns) with adjustable in- | | TELEVISION CHASSIS ASSEMBLIES KCS60 |
| | ductance core and capacitor stud (screw adjust- | 75515 | Bracket—Channel indicator lamp bracket |
| 75183 | ment) for convertor section (C9, L47) Coil—Trimmer coil (3 turns) with adjustable in- | 75228 | Bracket—Focus magnet mounting bracket—upper |
| | ductance core and capacitor stud (screw adjust- | 75229 75646 | Bracket—Focus magnet mounting bracket—lower Capacitor—Ceramic, 4.7 mmf., 5000 volts (C198) |
| 75185 | ment) for r-f section (L48, C16) Coil—Converter plate loading coil (L44) | 53511 | Capacitor—Ceramic, 10 mmf. (C128) |
| 75202 | Coil—Choke coil .56 muh. (L46) | 75217 | Capacitor—Mica trimmer, dual 10-160 mmf. (C147A, C147B) |
| 73477 75187 | Coil—Choke coil (L51) Core—Ādjustable core for fine tuning capacitor | 75450 | Capacitor—Ceramic, 39 mmf. (C203) |
| /310/ | C2 | 71924 73090 | Capacitor—Ceramic, 56 mmf. (C106) Capacitor—Mica, 82 mmf. (C146, C148) |
| 75162 | Detent—Detent mechanism and fibre shaft | 75437 | Capacitor—Ceramic, 100 mmi. (C202) |
| 73453 75165 | Form—Coil form for L45 and L49 Link—Link assembly for fine tuning | 45469 39396 | Capacitor—Ceramic, 100 mmf. (C120) Capacitor—Ceramic, 100 mmf. (C126, C197, C220) |
| 14343 | Retainer—Fine tuning shaft retaining ring | 73102 | Capacitor—Mica, 180 mmf. (C153) |
| | Resistor—Fixed, composition: | 75244 | Capacitor—Ceramic, 270 mmf. (C176) |
| | 27 ohms, $\pm 10\%$, $\frac{1}{2}$ watt (R8) 150 ohms, $\pm 20\%$, $\frac{1}{2}$ watt (R10) | 73091 | Capacitor—Mica, 270 mmf. (C107, C110, C117, C125) |
| | 3300 ohms, ±10%, ½ watt (R6) | 73094 | Capacitor—Mica, 390 mmf. (C215 in KCS60T) |
| | 3900 ohms, ±10%, ½ watt (R9, R11) 8200 ohms, ±10%, ½ watt (R12) | 74947 74250 | Capacitor—Ceramic, 500 mmf. 20,000 volts (C161) Capacitor—Mica, 560 mmf. (C155) |
| | 10,000 ohms, $\pm 5\%$, $\frac{1}{2}$ watt (R3) | 75166 | Capacitor—Ceramic, 1500 mmf. (C171, C172) |
| | 10,000 ohms, ±20%, ½ watt (R2) 22,000 ohms, ±10%, ½ watt (R7) | 73748 | Capacitor—Ceramic, 1500 mmf. (C102, C103, C109, C113, C115, C116, C122, C129, C168, C186) |
| 75164 | 100,000 ohms, ±20%, ½ watt (R1, R4, R5) Rod—Actuating plunger rod (fibre) for fine tuning | 75089 | Capacitor—Ceramic, dual, 1500 mmf. (C108A, |
| /3104 | link | | C108B, C111A, C111B, C123A, C123B, C184A, C184B) |
| 71476 | Screw—No. 4-40 x 1/4" binder head machine screw | 73473 | Capacitor—Ceramic, 5000 mmf. (C114, C121, C187) |
| 75176 | for adjusting L6, L7, L8, L9, L10, L11 Screw—No. 4-40 x %" fillister head screw for | 73960 | Capacitor—Ceramic, 10,000 mmf. (C144, C185, C192, C194, C195) |
| | adjusting L5 | 75877 | Capacitor—Ceramic, dual, 10,000 mmf. (C105A, |
| 75177 | Screw—No. 4.40 x $\frac{5}{16}$ " fillister head screw for adjusting L1, L2, L3, L4, L43 | 73747 | C105B) Capacitor—Electrolytic, 2 mfd., 50 volts (C124) |
| 74575 | Screw—No. 4-40 x .359" adjusting screw for L42 | 28417 | Capacitor—Electrolytic, 5 mfd., 450 volts (C141) |
| 73640 75159 | Screw—No. 4-40 x 7_{16} " adjusting screw for L52 Shaft—Channel selector shaft and plate | 75592 | Capacitor—Electrolytic comprising 1 section of 20 |
| 75160 | Shaft—Fine tuning shaft and cam | | mfd., 450 volts, 1 section of 80 mfd., 200 volts and 1 section of 50 mfd., 50 volts (C214A, C214B. |
| 75168 | Shield—Oscillator and convertor sections shield | pa es es -a- | C214C) |
| 75193 | for R-F unit—snap-on type Shield—Tube shield for V1 | 75510 | Capacitor—Electrolytic comprising 2 sections of 35 mfd., 450 volts, 1 section of 10 mfd., 450 volts |
| 75192 | Shield—Tube shield for V2 | | and 1 section of 5 mid., 450 volts (C211A, C211B, |
| 75088 | Socket—Tube socket, 7 contact, miniature, ceramic saddle mounted | 75643 | C211C, C211D, C212A, C212B, C212C, C212D) Capacitor—Tubular, moulded paper, oil impreg- |
| 75191 | Spacer—Insulating spacer for front plate (4 reg'd) | | nated, .001 mid., 1000 volts (C156) |
| 75163 | Spring—Friction spring (formed) for fine tuning cam | 73598 | Capacitor—Tubular, paper, oil impregnated, .0015 mfd., 600 volts (C130, C219) |
| 75068 | Spring—Retaining spring for oscillator tube shield | 73595 | Capacitor—Tubular, paper, oil impregnated, .0022 |
| 74578 73457 | Spring—Retaining spring for adjusting screws Spring—Return spring for fine tuning control | 73599 | mid., 600 volts (C137, C191, C216 in KCS60T) Capacitor—Tubular, paper, oil impregnated. |
| 30340 | Spring—Hair pin spring for fine tuning link | | .0027 mfd., 600 volts (C189) |
| 75175 | Stator—Oscillator section stator complete with ro- tor, segment, coils, adjusting screws and capaci- | 73920 | Capacitor—Tubular, paper, oil impregnated, .0047 mid., 600 volts (C138, C139) |
| | tors C3 and C23 (S1-1, C3, C23, L1, L2, L3, L4, | 73561 | Capacitor—Tubular, paper, oil impregnated, .01 |
| | L5, L6, L7, L8, L9, L10, L11, L43) | | míd., 400 volts (C136) |

| 9T89 | REPLACEMENT | PARIS (Con | minued) |
|----------------|---|--|--|
| STOCK No. | DESCRIPTION | STOCK No. | DESCRIPTION |
| 73594 | Capacitor—Tubular, moulded paper, oil impreg- | | 82 ohms, ±10%, ½ watt (R103, R107, R112, |
| | nated, .01 mid., 600 volts (C140, C154) Capacitor—Tubular, paper, oil impregnated, .018 | | R184) 100 ohms, ±20%, ½ wait (R202, R203) |
| 74727 | mid., 1000 volts (C159, C160) | | 100 ohms, $\pm 10\%$, 2 watts (R175) |
| 73562 | Capacitor—Tubular, paper, oil impregnated, .022 | | 180 ohms, ±10%, ½ watt (R116) |
| 72552 | mfd., 400 volts (C145, C151) Capacitor—Tubular, paper, oil impregnated, .047 | | 220 ohms, ±10%, ½ watt (R126, R127) 680 ohms, ±10%, ½ watt (R226) |
| 73553 | mid., 400 volts (C149, C199, C221) | | 1000 ohms, ±20%, ½ watt (R102, R104, R109, |
| 75071 | Capacitor—Tubular, moulded paper, .047 mid., | | R114, R117, R159, R185, R189, R219) |
| 73592 | 400 volts (C166, C167) Capacitor—Tubular, paper, oil impregnated, .047 | , | 1500 ohms, ±10%, 1 watt (R155) 1800 ohms, ±10%, ½ watt (R113) |
| 75552 | mfd., 600 volts (C133, C150, C190) | | 2200 ohms, $\pm 20\%$, $\frac{1}{2}$ watt (R140) |
| 73597 | Capacitor—Tubular, moulded paper, oil impreg- | | 3900 ohms, ±10%, ½ watt (R167) 4700 ohms, ±5%, ½ watt (R130) |
| 73551 | nated, .047 mfd., 1000 volts (C143) Capacitor—Tubular, paper, oil impregnated, 0.1 | | 4700 ohms, ±10%, ½ watt (R135) (R230 in |
| ,,,,,, | mid., 400 volts (C132, C196) | | KCS60T) |
| 73557 | Capacitor—Tubular, paper, oil impregnated, 0.1 mfd., 600 volts (C134) | | 5600 ohms, $\pm 5\%$, $\frac{1}{2}$ watt (R125) 5600 ohms, $\pm 10\%$, $\frac{1}{2}$ watt (R235 in KCS60T) |
| 73794 | Capacitor—Tubular, paper, oil impregnated, 0.22 | | 6800 ohms, $\pm 10\%$, 1 watt (R120, R176) |
| | mid., 400 volts (C157) | | 6860 ohms, ±10%, 2 watts (R133, R179) |
| 74957 | Capacitor—Tubular, paper, oil impregnated, 0.22 mfd., 600 volts (C142) | | 8200 ohms, ±5%, ½ watt (R106, R169) 8200 ohms, ±10%, ½ watt (R145, R146) |
| 73787 | Capacitor—Tubular, moulded paper, 0.47 mid., | | 10,000 ohms, $\pm 10\%$, $\frac{1}{2}$ watt (R171) (R236 in |
| 70174 | 200 volts (C127, C135, C152) | | KCS60T) 10,000 ohms, $\pm 10\%$, 2 watts (R207) |
| 73154 75167 | Choke—Filter choke (L113) Clip—Tubular, clip for mounting stand-off capaci- | | 12,000 ohms, ±10%, 2 watt (R152) |
| | tor 75166 | | 12,000 ohms, $\pm 10\%$, $\frac{1}{2}$ watt (R188) (R139 in |
| 75210 | Coil—Fifth pix, i-f coil complete with adjustable core (L103) | | KCS60) 12,000 ohms, ±5%, 1 watt (R108) |
| 71449 | Coil—Horizontal linearity coil (L110) | | 12,000 ohms, $\pm 10\%$, 2 watts (R208, R209) |
| 73591 | Coil—Antenna matching coil (2 reg'd) (Part of T200) | | 15,000 ohms, $\pm 10\%$, $\frac{1}{2}$ watt (R210) 15,000 ohms, $\pm 10\%$, 2 watts (R216) |
| 75241 | Coil—Antenna shunt coil (L202) | | 18,000 ohms, ±10%, ½ watt (R121, R122, R137) |
| 73477 | Coil—Choke coil (L101, L102) | | 18,000 ohms, ±10%, 1 watt (R138, R180) |
| 75299 71793 | Coil—Peaking coil (36 muh) (L104) Coil—Peaking coil (36 muh) (L106) | | 22,000 ohms, $\pm 10\%$, $\frac{1}{2}$ watt (R143, R144) 22,000 ohms, $\pm 20\%$, $\frac{1}{2}$ watt (R192) |
| 76285 | Coil—Peaking coil (36 muh) (L114, R119) | | 27,000 ohms, $\pm 10\%$, 2 watts (R182) |
| 75253 | Coil—Peaking coil (120 muh) (L109) | | 33,000 ohms, ±10%, ½ watt (R105, R115, R201, |
| 75252 76132 | Coil—Peaking coil (500 muh) (L105, L108) Coil—Peaking coil (500 muh) (L115 in KCS60T) | | R211, R225) 33,000 ohms, ±20%, ½ watt (R123) |
| 35787 | Connector—Single contact female connector for | | 39,000 ohms, ±10%, 2 watts (R204, R205, R206) |
| 74504 | audio cable (J103) Connector—2 contact male connector for power | | 47,000 ohms. $\pm 10\%$, $\frac{1}{2}$ watt (R141, R187, R222) 47,000 ohms. $\pm 20\%$, $\frac{1}{2}$ watt (R110) |
| 74594 | cord | | 56,000 chms, $\pm 10\%$, $\frac{1}{2}$ watt (R221) (R234 in |
| 35383 | Connector—8 contact male connector—part of de- | | KCS60T) |
| 68592 | flection yoke (P101) Connector—8 contact female connector for deflec- | | 56,000 ohms, ±10%, 1 watt (R215) 68,000 ohms, ±10%, 1 watt (R168) |
| 00002 | tion yoke leads (J101) | | 82,000 ohms, $\pm 5\%$, 1 watt (R172) |
| 38853 | Connector—4 contact female connector for antenna transformer (J200) | | 82,000 ohms, ±10%, 1 watt (R164, R165) 100,000 ohms, ±5%, ½ watt (R190, R191) |
| 75517 | Contact—Anode connector contact only | | 100,000 ohms, ±10%, ½ wait (R224) (R233 in |
| 75215 | Control—Horizontal and vertical hold control | | KCS60T) |
| 75216 | (R147, R166) Control—Picture and brightness control (R128, | | 100,000 ohms, $\pm 20\%$, 2 watts (R183) 150,000 ohms, $\pm 10\%$, $\frac{1}{2}$ watt (R136, R154, R160) |
| 70210 | R131) | | 150,000 ohms, ±20%, ½ wait (R124) |
| 71441 | Control—Vertical linearity control (R156) | | 150,000 ohms, ±5%, 1 watt (R170) 180,000 ohms, ±10%, ½ watt (R142 in |
| 71440 | Control—Height control (R151) Control—Width control (R177) | | KCS60T) |
| 71498 | Core—Adjustable core and stud for FM trap 75449 | | 220,000 ohms, ±10%, ½ watt (R157, R158) |
| 74956 | Cushion—Rubber cushion for deflection yoke hood (2 req'd) | | (R134, R223, R231, R232 in KCS60T) 270,000 ohms, ±10%, ½ watt (R150) |
| 74839 | Fastener—Push iastener for mounting ceramic | | 330,000 ohms, $\pm 10\%$, $\frac{1}{2}$ watt (R161) |
| 73600 | tube socket (2 req'd) Fuse—.25 amp., 250 volts (F101) | | 330,000 ohms, ±5%, 1 watt (R163) 390,000 ohms, ±10%, ½ watt (R142, R223 in |
| 16058 | Grommet—Rubber grommet for 2nd anode lead | The state of the s | 390,000 ohms, ±10%, ½ watt (R142, R223 in KCS60) |
| | exit | | 470,000 ohms. $\pm 10\%$, $\frac{1}{2}$ watt (R111) |
| 37396 | Grommet—Rubber grommet to mount ceramic tube socket (2 req'd) | | 560,000 ohms, $\pm 10\%$, $\frac{1}{2}$ watt (R129) (R134 in |
| 75445 | Hood-Deflection yoke hood less rubber cushions | | KCS60) 820,000 ohms, ±10%, ½ watt (R162, R220) |
| 75644 | | | 1 megohm, ±10%, ½ wait (R173) |
| 75482 76322 | Jack-Video jack (J105) Magnet-Ion trap magnet (P.M.) | | 1 megohm, ±20%, ½ watt (R178, R214) |
| 75504 | Magnet—Focus magnet complete with adjustable | | 1.2 megohm, ±5%, ½ watt (R149) |
| | plate and stud for standard 19AP4A tubes | | 2.2 megohm, ±10%, ½ wait (R118, R153) 3.9 megohm, ±5%, ½ wait (R148) |
| 75935 | Magnet—Focus magnet complete with adjustable plate and stud for special 19AP4A tubes | 75083 | Screw—No. 8-32 x 1/4" wing screw for mounting |
| | coded with a dot of green paint | | deflection yoke |
| 75518 | | 75236 | Screw—No. 8-32 x 3/8" pan head screw (brass) to mount focus magnet (2 req'd) |
| 72067 | er, capacitor and tube socket Resistor—Wire wound, 5.1 ohms, ½ watt (R193) | 74602 | Screw—No. 10-32 x 13/4" round head machine |
| 75512 | | , 2002 | screw for focus magnet adjustment (3 req'd) |
| 75593 | Resistor—Wire wound, 8000 ohms, 15 watts (R212) | 73584 | Shield—Tube shield |
| | Resistor—Fixed composition: | 31251 31319 | Socket—Tube socket, octal, water Socket—Tube socket, octal moulded |
| | 47 ohms, ±20%, ½ watt (R174) | 31313 | MANUFACTURE OF SHARE MANUFACTURE OF THE PROPERTY OF THE PROPER |

| | REPLACEMENT | PARIS (C | onuned) 2163 |
|----------------|--|----------------|---|
| STOCK | | STOCK | |
| No. | DESCRIPTION | No. | DESCRIPTION |
| 2101 | | | |
| 73117 | Socket—Tube socket, 7 pin, miniature | 73553 | Capacitor—Tubular, paper, .05 mfd., 400 volts |
| 75223 | Socket—Tube socket, 9 pin, miniature | 73935 | (C16) Clip—Mounting clip for AM i-f transformer |
| 73249 | Socket—Tube socket, octal, ceramic, plate mounted | 75627 | Clip—Clip for main cable—on rear of chassis |
| 71508 | Socket—Tube socket for 1B3/8016 | 75569 | Coil—Oscillator coil—AM—complete with adjust- |
| 68592 | Socket—Tube socket, 6 contact, moulded for V113 Socket—Kinescope socket | 75563 | uble screws (L3, L4, L5) |
| 74834 75718 | Socket—Kinescope socket Socket—Channel indicator lamp socket | 75570 | Coil—R-F coil — AM — complete with adjusting |
| 75233 | Spring—Compression spring for focus magnet ad- | 1 | screws (L6, L7) |
| 70200 | justment (3 reg'd) | 75615 | Coil—FM antenna coil (L1) |
| 75506 | Support—Bakelite support only—part of hi-voltage | 71942 | Coil—Filament choke coil (L9) |
| | shield | 74817 | Coil—FM oscillator coil (L8) |
| 75594 | Switch—Channel indicator lamp switch (\$104) | 74815 | Coil—FM r-f coil (L2) |
| 76010 | Switch—AGC switch (S106) | 35787 | Connector—Single contact female connector for record changer's pickup cables and television |
| 75508 | Transformer—Power transformer 115 volt, 60 cycle | | (I2, I3, I5) |
| 74050 | (T110) Transformer—Vertical output transformer (T107) | 75542 | Connector—8 contact male connector for power |
| 74950 74144 | Transformer—Vertical oscillator transformer (T106) | 7002 | input cable (J4) |
| 74589 | Transformer—First pix, i-f transformer (T101, C101, | 75543 | |
| /4000 | R101) | | motor cable (P1) |
| 74590 | Transformer—Second pix, i-f transformer (T102, | 74879 | Connector—2 contact female connector for antenna |
| | C104) | | leads |
| 76264 | Transformer—Third pix, i-i transformer (T103, C112) | 75537 | Control—Volume control and power switch (R22, |
| 73574 | Transformer—Fourth pix, i-f transformer (T104, | m==A- | S2) |
| | C118) | 75561 | 1 |
| 75211 | Transformer—Sound i-f transformer, single wind- | 75562 72953 | |
| B 7 40 4 | ing type (T111, C169, C170, R186) Transformer—Sound i-f transformer—dual wind- | /4993 | length required) |
| 71424 | ing type (T111, C169, C170) | 75564 | |
| 75212 | Transformer—Sound discriminator transformer | , 5554 | tension shaft |
| /3616 | (T112, C173, C174, C175) | 75556 | Cover—Insulating cover for electrolytic |
| 75213 | Transformer—Horizontal oscillator transformer | 74839 | Fastener—Push fastener for mounting R-F shelf |
| | (T108) | | (4 req'd) |
| 75509 | Transformer—Antenna matching transformer com- | 16058 | |
| | plete with antenna connector, i-f and FM traps | meeas | (4 req'd) Grommet—Rubber grommet to mount slides to bot- |
| | and shunt coil (T200, C200, C201, C202, C203, | 75547 | tom—rear (2 reg'd) |
| | J200, L200, L201, L202, L203) | 75548 | |
| 75585 | Transformer—Hi-voltage transformer (T109) Trap—Sound trap (T105, C119) | /33%0 | tom—front (2 req'd) |
| 71778 | Trap—i-i trap (L200, C200, L201, C201) | 11765 | Lamp—Dial lamp—Mazda 51 |
| 75449 | Trap—FM trap complete with adjustable core and | 75544 | |
| 70220 | stud (L203, C203) | | (4 reg'd) |
| 75251 | Trap-4.5 mc, trap (L107, C131) | 18469 | Plate—Bakelite mounting plate for electrolytic |
| 74952 | Yoke-Deflection yoke complete with cable and | 75535 | |
| | connector (L111, L112, C164, C165, P101) | | pulleys |
| | RADIO CHASSIS ASSEMBLIES | 75536 72602 | |
| | RC 1092 | 72323 | " 1/ 1/ (DOF) |
| 75567 | Capacitor—Variable tuning capacitor complete | 73637 | |
| | with drive drum (C1-1, C1-2, C1-3, C1-4, C1-5, | | Resistor—Fixed, composition: |
| | C1-6) | | 68 ohms, ±10%, ½ watt (R1, R26) |
| 76423 | Capacitor—Ceramic, 3 mmi. (C10) | | 100 ohms, ±10%, ½ watt (R15, R38, R43) |
| 75613 | Capacitor—Ceramic, 5 mmf. (C13) Capacitor—Ceramic, 15 mmf. (C12) | | 120 ohms, ±10%, ½ watt (R27) |
| 39044 | | | 270 ohms, ±5%, 2 watts (R42) 390 ohms, ±10%, ½ watt (R9) |
| 75609 75612 | | | 680 ohms, ±10%, ½ wait (R4) |
| 39396 | | | 680 ohms, ±20%, ½ watt (R30, R31) |
| 75437 | Capacitor—Ceramic, 100 mmf. (C31) | | 1000 ohms, ±10%, ½ watt (R6) |
| 75614 | Capacitor—Ceramic, 150 mmf. (C14, C30, C43, C54) | | 1200 ohms, ±5%, ½ wait (R46) |
| 75611 | Capacitor—Ceramic, 220 mmf. (C3) | | 3300 ohms, ±5%, ½ watt (R40, R45) |
| 39640 | | | 8200 ohms, $\pm 10\%$, 1 watt (R3) |
| 72571 | Capacitor—Mica, 470 mmf. (C7) | | 15,000 ohms, ±10%, ½ watt (R44) |
| 75610 | | | 18.000 chms, $\pm 10\%$, $\frac{1}{2}$ watt (R7, R20) 22.000 chms, $\pm 10\%$, $\frac{1}{2}$ watt (R28, R29) |
| 74850 | | | 27,000 ohms, ±10%, ½ watt (R18, R21) |
| 73473 | C24, C25, C27, C28, C29, C34, C36) | | 39,000 ohms, ±5%, ½ wait (R47) |
| 73920 | | | 56,000 ohms, ±10%, ½ watt (R32) |
| , 5520 | (C33) | | 68,000 ohms, ±10%, ½ wott (R39) |
| 73747 | Capacitor—Electrolytic, 2 mid., 50 volts (C40) | | $92.000 \text{ chms.} + 10\%$, $\frac{1}{2}$ watt (R36) |
| 72052 | Capacitor—Electrolytic, comprising 1 section of 30 | | 120,000 ohms, ±10%, ½ watt (R8, R16) |
| | mid., 450 volts, 1 section of 30 mid., 350 volts, | | 150,000 ohms, ±10%, ½ watt (R12, K14) |
| | and 1 section of 40 mfd., 25 volts (C23A, C23B, | | 220,000 ohms, ±20%, ½ wait (R11) |
| 2000 | C23C) Capacitor—Tubular, paper, .001 mfd., 400 volts | | 270,000 ohms, ±10%, ½ watt (R35) 470,000 ohms, ±10%, ½ watt (R2, R37, R41, |
| 73801 | (C8) | | |
| 70642 | 001 -/- 1000 14 | | R48) 1.5 megohm, ±10%, ½ watt (R17, R51) |
| , 5042 | (C42, C44) | | 2.2 megohm, ±20%, ½ watt (R5, R10, R13) |
| 71926 | Capacitor—Tubular, paper, .005 mid., 200 volts | | 10 megohm, $\pm 20\%$, $\frac{1}{2}$ wait (R23) |
| | (C26, C39, C41) | | 22 megohm, $\pm 20\%$, $\frac{1}{2}$ watt (R33) |
| 7192 | | 7554 | 10 Shaft—Tuning knob shaft |
| | (C32) | 7556 | Shaft—Extension shaft for function switch |
| 72120 | | 7358 | Shield—Tube shield |
| 10 m a pm | (C22) 5 Capacitor—Tubular, paper, oil impregnated, .018 | 7554 | l andio chas |
| 58470 | mid., 400 volts (C21) | | sis bottom |
| 7401 | | 312 | Socket—Tube socket, octal, wafer |
| /**** | (C20, C35) | 731 | Socket—Tube socket, 7 pin, miniature |
| 1 | | | |

| 3183 | REPLACEMEN | I PARIS (CO | nunued) |
|----------------|--|----------------|--|
| STOCK | | STOCK | |
| No. | DESCRIPTION | No. | DESCRIPTION |
| 74179 | Socket—Tube socket, 7 pin, miniature for V1 and V2 | 30870 | Connector—2 contact male connector for motor leads for 45 RPM phono |
| 31364 75563 | Socket—Dial lamp socket Spring—Retaining spring for function switch ex- | 75474 | Connector—Single contact male connector for tele- vision antenna or speaker cable |
| 76332 | tension shaft Spring—Drive cord tension spring Support—Polystyrene support for FM oscillator | 74752 39153 | Connector—2 contact male connector for F-M antenna leads |
| 74847 | coil complete with mounting bracket Switch—Function switch (Sl-1, Sl-2, Sl-3, S3) | 75702 | Connector—4 contact male connector for television antenna cable |
| 75557 | Transformer—Output transformer (T7) | /5/02 | Cord—Power cord and two contact female con- nector less 5 contact male connector |
| 73743 | Transformer—Radio detector transformer (T5) | 70392 | Cord—Power cord and plug—part of main cable |
| 75558 | Transformer—First i-f transformer (AM) complete with adjustable cores (T2) | 75608 | Cushion—Dust seal cushion (rubber) for kinescope mask |
| 75559 | Transformer—First i-f transformer (FM) complete with adjustable cores (T1) | 74273 71984 | Decal—Trade mark decal (Victrola) Decal—Trade mark decal (RCA Victor) |
| 73037 | Transformer—Second i-f transformer (AM) com- plete with adjustable cores (T4) | 75640 74809 | Decal—Television controls function decal Emblem—"RCA Victor" emblem |
| 75560 | Transformer—Second i-f transformer (FM) com- | 75455 | Escutcheon—Channel marker escutcheon |
| | plete with adjustable cores (T3) | 75619 | Glass—Safety glass |
| 75566 | Transformer—Power transformer 117 volts, 60 | 74838 | Grommet—Power cord strain relief (1 set) |
| 33726 | cycles (T6) Washer—"C" washer for tuning knob shaft | 37396 | Grommet—Rubber grommet for mounting speaker (4 req'd) |
| 75573 | RADIO ROLLOUT CARRIAGE Decal—Function decal for radio controls | 75697 | Grommet—Rubber grommet for mounting 45 RPM phono (3 req'd) |
| 75572 75571 | Dial—Polystyrene dial scale Frame—Moulded frame (maroon) for mounting | /4300 | Hinge—Cabinet door hinge (1 set) for radio-phono compartment, television compartment (L.H. door) |
| | radio chassis and 45 RPM changer for mahog- any or walnut instruments | 36817 | or record storage compartments Hinge—Cabinet door hinge (1 set) for television |
| 75551 75555 | Handle—Metal pull-out handle for mounting frame Screw—No. 8-32 x 5%" cross recessed pan head | 75636 | compartment (R.H. door) Hinge—Cabinet door hinge (1 set) for speaker compartment—R.H. |
| | machine screw to mount radio chassis (4 req'd) | 75637 | Hinge—Cabinet door hinge (1 set) for speaker compartment—L.H. |
| | SPEAKER ASSEMBLY 92569-12W RMA 274 RL 111-A1 | 74959 | Knob—Television fine tuning control knob—ma- roon (outer) |
| 13867 75682 | Cap—Dust cap Cone—Cone and voice coil assembly (3.2 ohms) | 73996 74962 | Knob—Television channel selector knob—maroon (inner) |
| 75681 | Speaker—12" P.M. speaker complete with cone and voice coil (3.2 ohms) | 74969 | Knob—Television brightness control or vertical hold control knob—maroon (outer) Knob—Television channel marker light switch |
| | NOTE: If stamping on speaker does not agree with above number, order replacement parts by re- | 74963 | knob—maroon Knob—Television picture control or horizontal hold |
| | ferring to model number of instrument, number stamped on speaker and full description of part required. | 75712 | control knob—maroon (inner) Knob—Radio tone control, tuning control or vol- |
| 75705 | MISCELLANEOUS Antenna—Antenna loop less cable | 75714 | ume control and power switch knob—maroon Knob—Function switch knob—maroon |
| 75688 | Back—Back cover for radio—45 RPM phono com- | 11765 | Lamp—Pilot or channel indicator lamp—Mazda 51 |
| | partment—assembled to cabinet | 75459 | Mask—Channel indicator light mask |
| 75692 | Back—Back cover for radio—45 RMP phono com- | 73634 75638 | Nut—Speed nut for speaker mounting screws Pull—Door pull for upper doors |
| 75772 | partment—assembled to rollout Back—Back complete with terminal board, power | 75639 | Pull—Door pull for lower doors |
| | cord and connector for television chassis com- | 71456 | Screw—No. 8-32 x $\frac{7}{16}$ wing screw for deflection |
| 75473 | partment Board—TV antenna terminal board (2 contact) | 75623 | yoke and focus magnet mounting support Screw—No. 8-32 x %" trimit head screw for door |
| 75707 | part of back Board—"A—F-M" antenna terminal board (3 contact) | 74279 | pull Screw—No. 8-32 x 1/8" trimit head screw for door pull |
| 75694 | Bracket—Stop bracket less rubber bumper for ra- dio—45 RPM phono rollout mechanism | 75704 75708 | Shell—Shell for 5 contact male connector 75703 Shell—Shell for 8 contact female connector 75709 |
| 71599 75696 | Bracket—Lamp bracket Bumper—Rubber bumper for radio — 45 RPM | 75711 74736 | Shell—Shell for 5 contact female connector 75710 Slide—Slide mechanism complete for 33/78 RPM |
| 72447 | phono rollout stop bracket Cable—Shielded audio cable complete with two | 31364 | changer drawer Socket—Pilot lamp stocket |
| 74545 | (2) pin plugs Cable—Shielded pickup cable complete with pin | 72845 14270 | Spring—Retaining spring for knob 74959 Spring—Retaining spring for knobs 73996, 74962 |
| 72437 | plug for 33/78 RPM phono Coble—Shielded pickup cable complete with pin | 30330 | and 74969 Spring—Retaining spring for knob 74963 |
| 13103 | plug for 45 RPM phono Cap—Pilot lamp cap | 73643 75587 | Spring—Spring clip for channel marker escutcheon Spring—Formed spring for kinescope masking |
| 71892 | Catch—Bullet catch and strike for doors | | panel |
| X3188 75703 | Cloth—Grille cloth Connector—5 contact male connector—part of | 74734 | Spring—Retaining spring for knobs 75712 and 75714 |
| 74882 | back assembly Connector—2 contact (polarized) male connector | 75691 | Spring—Suspension spring (coil type) for main cable |
| 75700 | for radio antenna loop cable | 72936 | Stop—Door stop Washey Felt washey for television sharps back |
| 75709 75710 | Connector—8 contact female connector—part of main cable—less shell Connector—5 contact female connector—part of | 75500 75146 | Washer—Felt washer for television chassis back assembly Washer—"C" washer for 33½/78 RPM changer |
| 30868 | main cable—less shell | | mounting Washer—Felt washer between knob and channel |
| 20000 | Connector—2 contact female connector—part of main cable | 75457 | marker escutcheon |

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