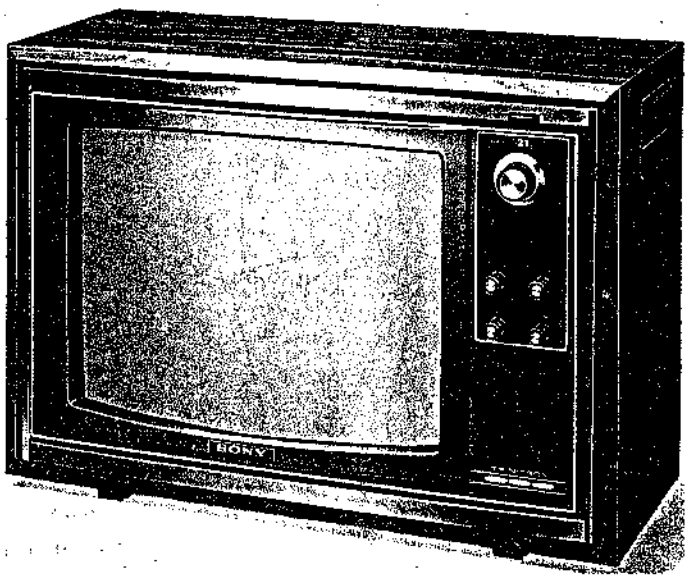
COLOUR TV
KV-1800UB

Set using ISO screws

Chassis No. SCC-30A-A



SPECIFICATIONS

TV-signal standards:	British colour TV standards (CCIR system I)
Picture tube:	90° deflection TRINITRON system
Semiconductors:	79 transistors, 43 diodes, 1 high voltage rectifier, 1 thermistor, 2 ICs, 2 posistors and 2 VDRs
Channel soverage:	UHF; ch. 21 ~ 68
Aerial system:	75-ohm aerial terminal type
IF circuit:	5 stages with 2 double tuned and 3 single tuned elements
Intermediate frequency:	Picture i-f carrier; 39.5 MHz Sound i-f carrier; 33.5 MHz
Video system:	Red, green and blue cathode drive system
Sound system:	6 MHz intercarrier system Power output; 1 watt (at 10% harmonic distortion) Speaker; approx. 10 cm x 10 cm, 8-ohm voice coil
Convergence correction system:	Horizontal; electrostatic deflection system Vertical; magnetic correction system of magnet
Automatic controls:	ACC (automatic colour control) ACK (automatic colour killer) ADG (automatic degaussing) ABL (automatic brightness limiter) ANC (automatic noise canceller) AFC (automatic frequency control) AFT (automatic fine tuning) AGC (automatic gain control) AVR (automatic voltage regulator)
Power requirements:	AC 240V, 50 Hz
Power consumption:	AC 120 watts
Dimensions:	591 mm (W) x 412 mm (H) x 510 mm (D)
Weight:	approx. 29.4 kg
Anode voltage:	24.5 kV at zero beam current

Original SONY® SERVICE MANUAL

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WARNING!!

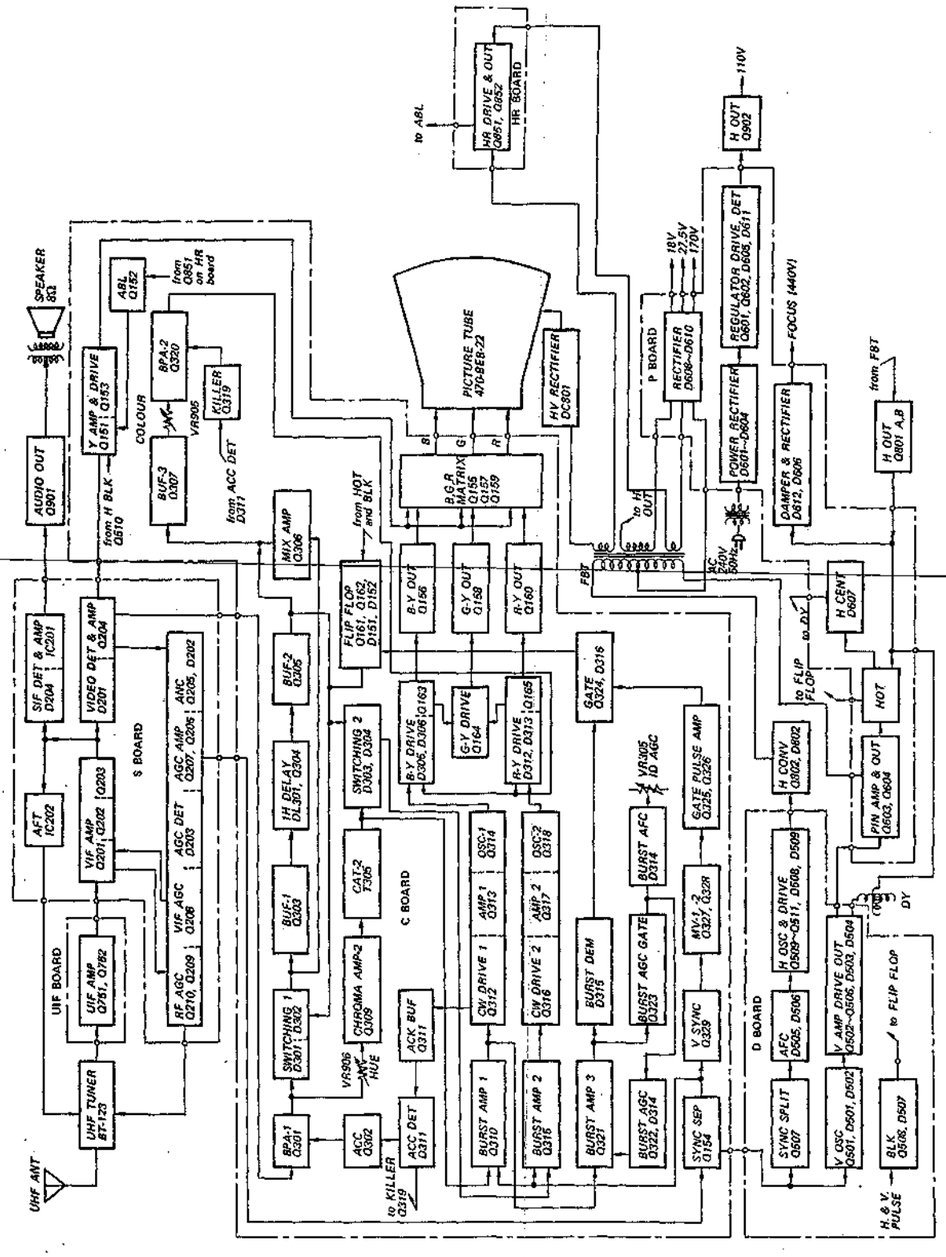
THIS CHASSIS OPERATES WITH ONE SIDE OF THE POWER LINE CONNECTED TO THE CHASSIS. TO ELIMINATE SHOCK HAZARD AND PROTECT EQUIPMENT WHEN SERVICING THE SET WITH THE COVERS REMOVED, MAKE SURE THAT THE SET IS PLUGGED INTO A SUITABLY-RATED ISOLATION TRANSFORMER.

X-RAY RADIATION WARNING!!

BE SURE THAT PARTS REPLACEMENT IN THE HIGH VOLTAGE BLOCK AND ADJUSTMENTS MADE TO THE HIGH VOLTAGE CIRCUITS ARE CARRIED OUT PRECISELY IN ACCORDANCE WITH THE PROCEDURES GIVEN IN THIS MANUAL.

SECTION 1
OUTLINE

1-1. BLOCK DIAGRAM



1-2. EXTERNAL VIEW

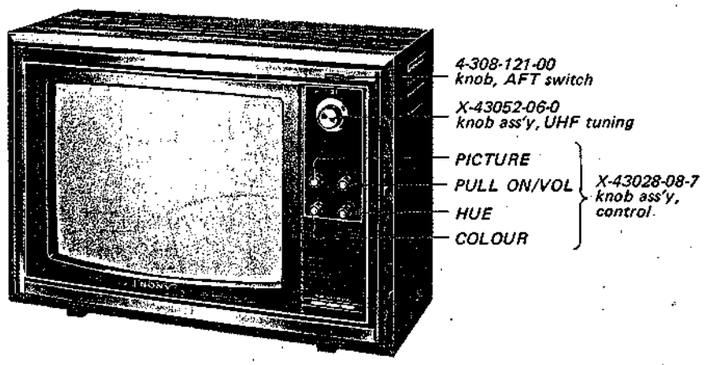


Fig. 1-1. Front view

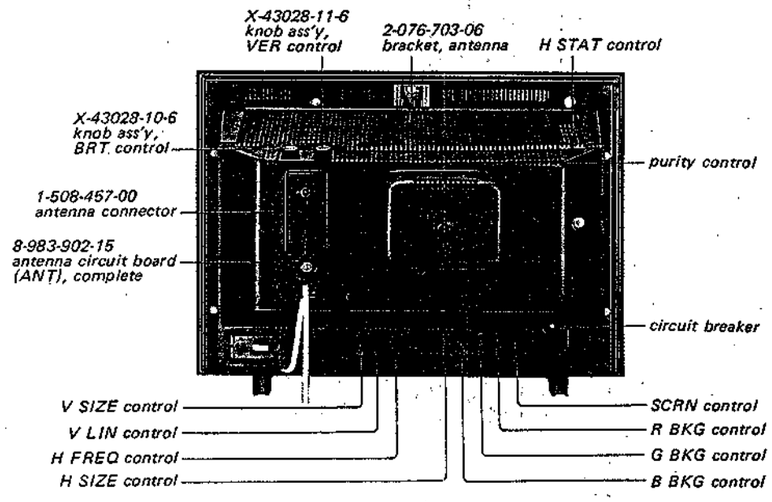


Fig. 1-2. Rear view

1-3. INTERNAL VIEW

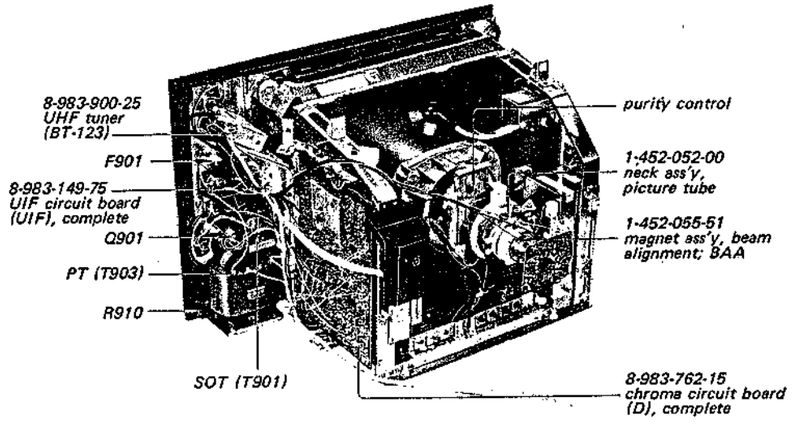


Fig. 1-3. Left view

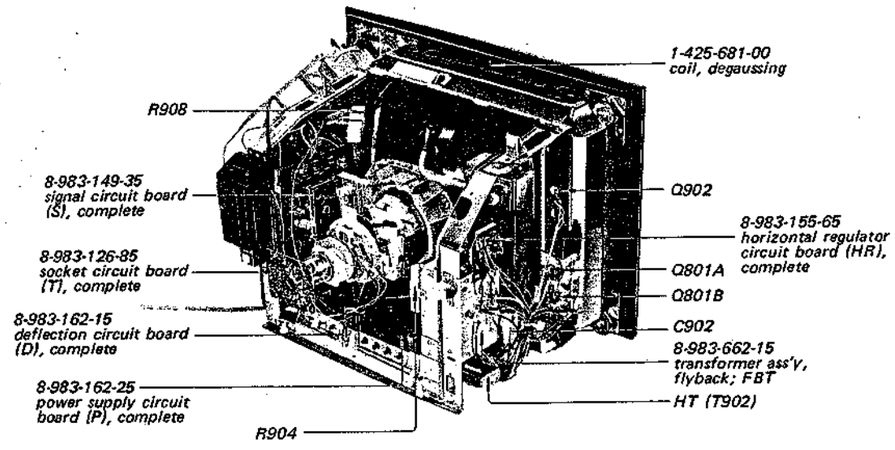


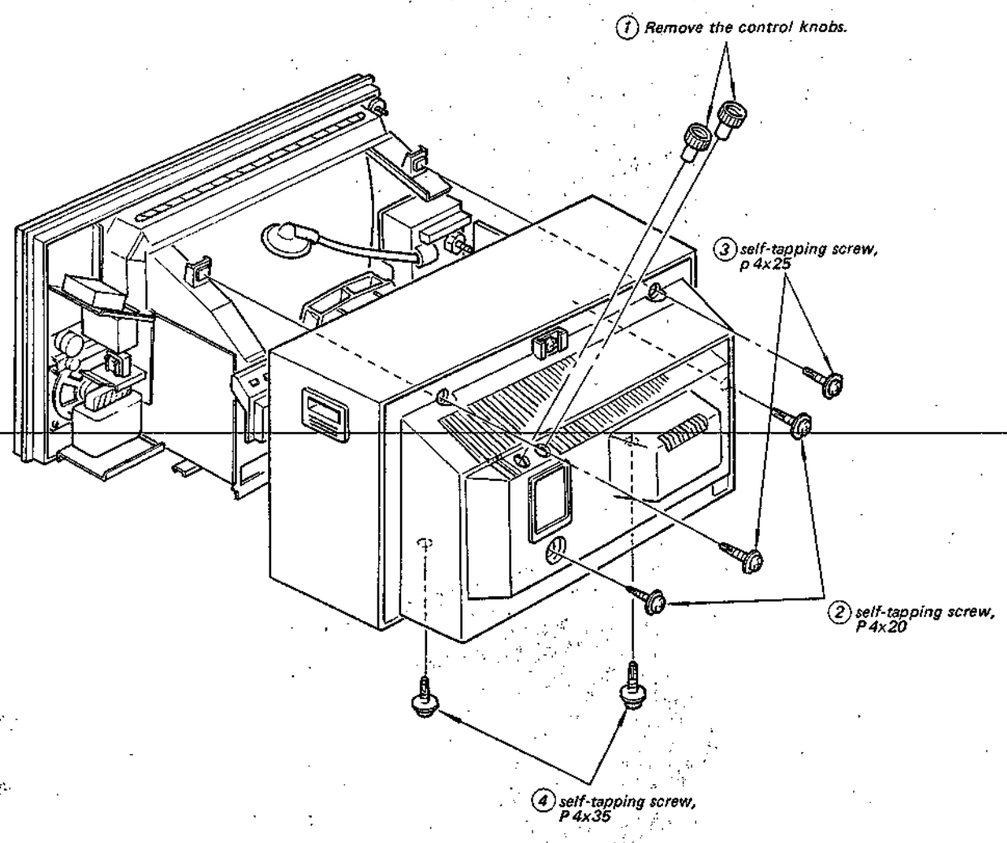
Fig. 1-4. Right view

SECTION 2
DISASSEMBLY

Note: All screws in this set are phillips type (cross recess type).
Remove all parts in numerical order.

2-1. REAR CABINET REMOVAL

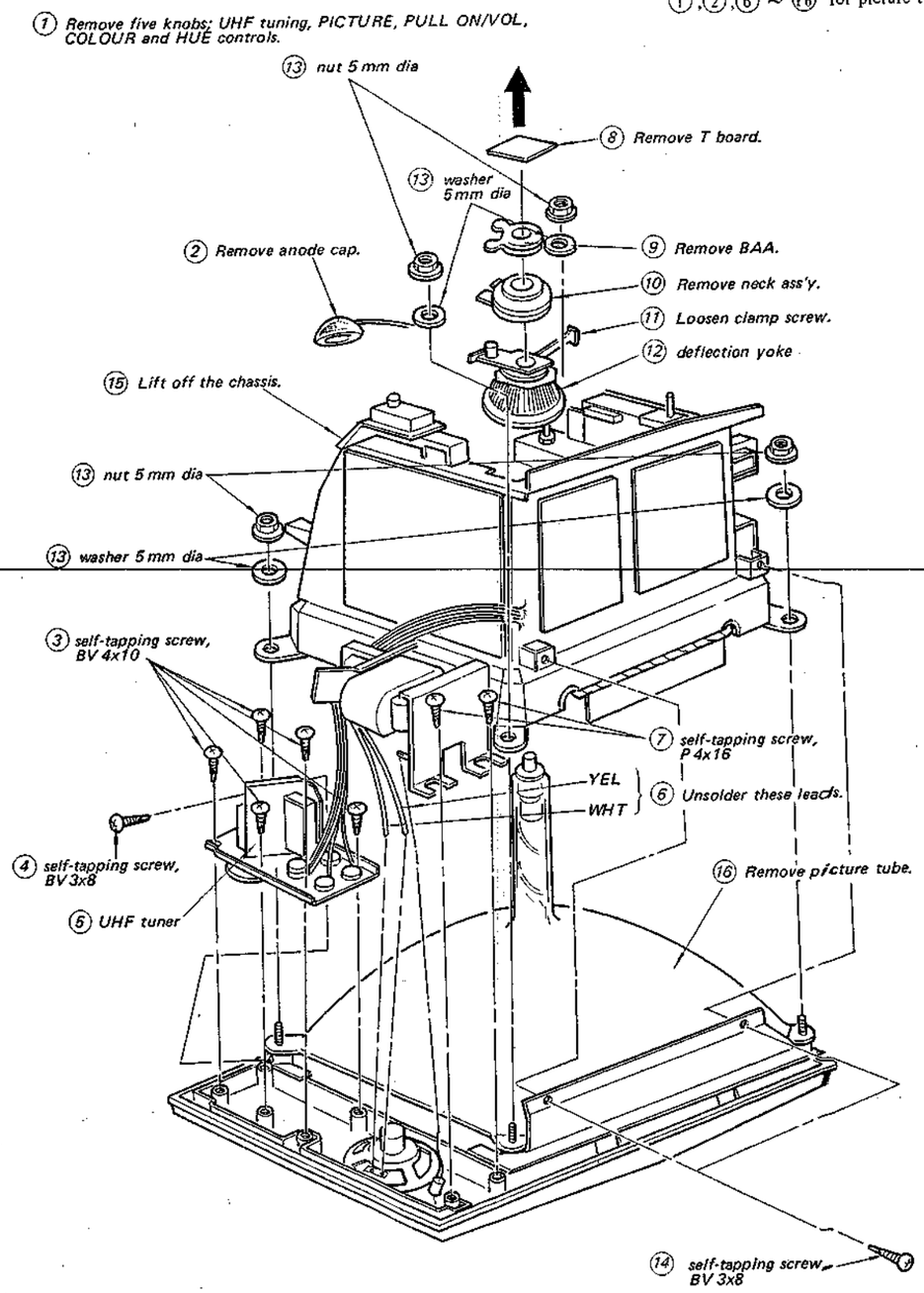
Remove rear cabinet in order.



2-2. UHF TUNER AND PICTURE TUBE REMOVAL

Remove UHF tuner and picture tube in order.

① ~ ⑤ for UHF tuner
①, ②, ⑥ ~ ⑯ for picture tube



SECTION 3
TROUBLESHOOTING AID

3-1. HORIZONTAL OSCILLATOR SECTION

The 18 volt supplying the horizontal oscillator is obtained from a rectified pulse produced by a winding on the flyback transformer. This enables the horizontal oscillator to supply its own B+ (18 V) in a closed-loop system. To start the horizontal oscillation, B+ is momentarily supplied by 110 V dc supply when power is applied. This is accomplished by use of C531 and R555. At turn on, C513 charges and supplies starting voltage for the horizontal oscillator. After C531 is fully charged, the two supplies are effectively isolated.

In the event of failure of any part of the horizontal oscillator-deflection-high voltage section loop it will be necessary to supply the horizontal oscillator from an external supply of voltage for troubleshooting purposes. This can be done quite easily by connecting a 3.9 k-ohm, 5 W resistor across C531 and R555. See Fig. 3-1. Be sure to remove the resistor after repairs have been completed.

Resistor R622 connected between emitter of Q603 and collector of Q801, protects the horizontal output transistor Q801. Therefore, if Q801A or Q801B fails, it will be necessary to check R622 and to replace it if necessary. (h_{FE} rating of Q801A and Q801B should be the same.)

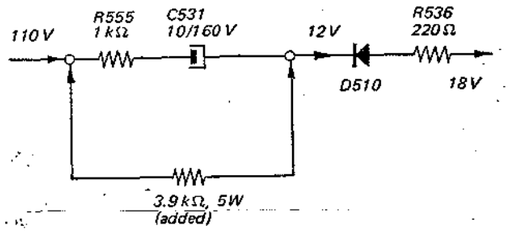


Fig. 3-1.

3-2. D605, ZENER DIODE INSTALLATION

In the event that D605 fails and must be replaced, bend the centre lead as shown in Fig. 3-2. The lead then serves to help dissipate heat from the diode.

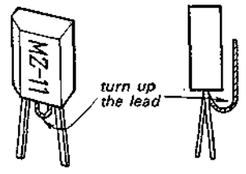


Fig. 3-2.

3-3. DEFLECTION YOKE, NECK ASSEMBLY AND BEAM ALIGNMENT CONTROL ASSEMBLY POSITION

Measure the distance between the neck assembly and the deflection yoke with paper or cardboard gauge shown in Fig. 3-3.

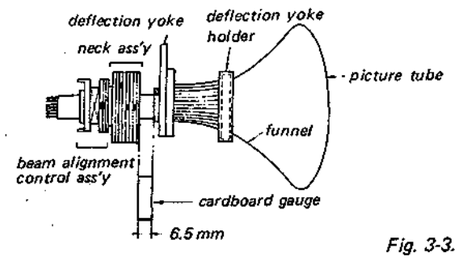


Fig. 3-3.

3-4. POTENTIOMETER IDENTIFICATION

Potentiometers are marked to show value in ohms on the movable arm as shown in Fig. 3-4. A three digit code is used, the first two numbers specify significant figure. The third number denotes the multiplier.

For example, 331 indicates $33 \times 10^1 = 330\Omega$.

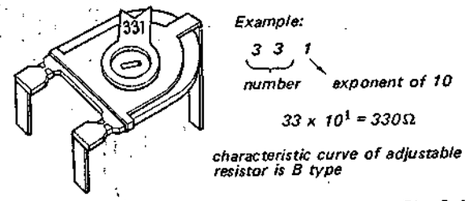


Fig. 3-4.

3-5. CIRCUIT EXPLANATION OF HIGH-VOLTAGE REGULATION

Regulation of the anode voltage applied to the picture tube minimizes changes in picture size resulting from variations in loading on the high voltage supply at various brightness levels. The circuit consisting of Q851 and Q852 acts to regulate high voltage by controlling the total impedance between the emitter of the H converter stage Q802 and ground.

At zero beam current, the bias on the regulator driver Q851 is determined by a voltage divider across the 170 volt supply consisting of R165, R854 and R801. This places about +7.2 V at the base of Q851, a PNP silicon transistor. Since the emitter of Q851 is returned at point A, at about 7.5 V, Q851 is near cut off.

An increase in picture tube beam current flowing through R801 acts to reduce the voltage at point C. This brings Q851 and Q852 into conduction. As these transistors conduct more heavily, the total impedance from point A to ground drops. This increases the current fed to the primary of the FBT to offset the drop in high voltage output that normally results from increased loading.

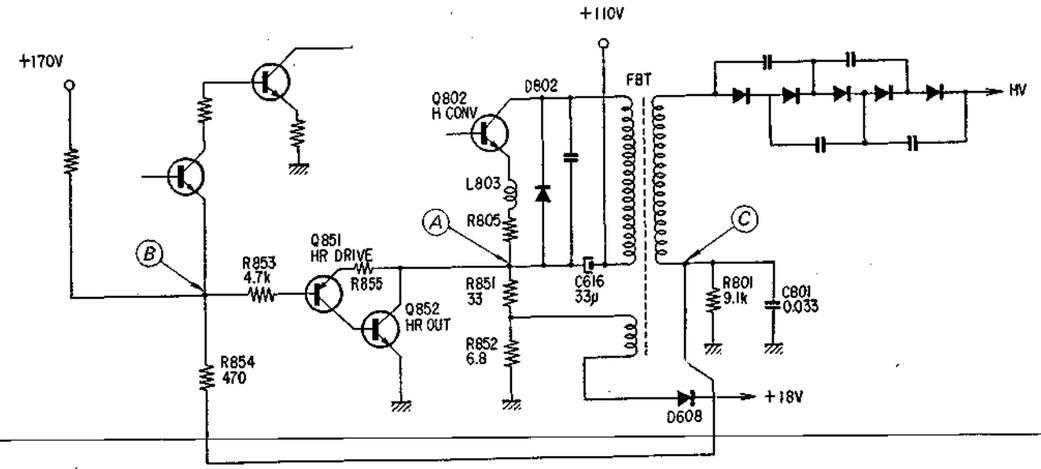


Fig. 3-5.

CAUTION

Internal arcing in the picture tube usually results in failure of Q802. However, Q851 and Q852 may fail at the same time. If Q802 is replaced, make sure that the high voltage regulator is operating. Check the Q851/Q852 circuit for proper operation and replace these transistors if required. Normal voltages in the regulator circuit are as follows:

DC voltage at	Point A	Point B	Point C
Dark screen	7.5 V	7.2 V	7.0 V
Bright screen	0.8 V	-0.1 V	-4.0 V

3-6. GT CIRCUIT BOARD

In some sets, a circuit board (called GT board) and a special beam alignment assembly (BAA) are applied to compensate screen-edge misconvergence. The GT board must be removed and the BAA must be changed to a new one when the picture tube is replaced. The position where the GT board is fixed is shown in Fig. 3-6.

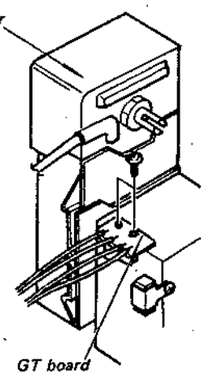


Fig. 3-6.

1. Check whether the GT board is used. If the GT board is used, perform the following steps. If not, replace only the picture tube and use the same BAA.
2. Unsolder the wires on P board and D board which are connected to GT board.
3. Remove the GT board and BAA.
4. Replace the picture tube with a new one.
5. Set a new BAA and connect jumper wires as shown in Fig. 3-7.

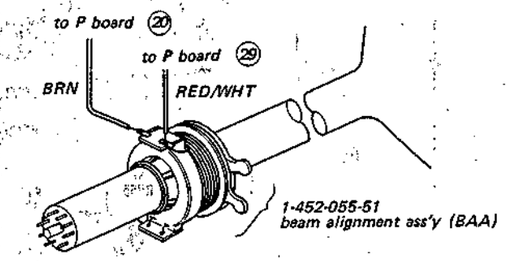


Fig. 3-7.

Note: 1. The values for R001 and R002 are to be selected according to measurement of the misconvergence. Misconvergence is given as $\frac{a+b}{2}$.

misconvergence	R001	R002
2.0 mm	39	150
1.5 mm	82	150
1.0 mm	180	300
0.5 mm	330	300

Here, a and b are dimensions of misconvergence at each side of the picture as shown in Fig. 3-8. Select the values for R001 and R002 as shown in the table below.

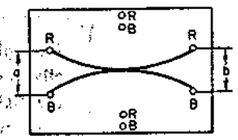
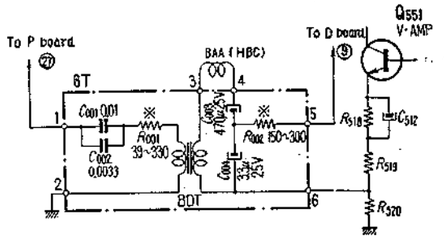
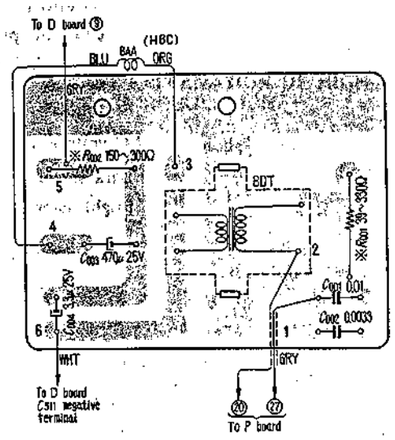


Fig. 3-8.





SECTION 4
SERVICE ADJUSTMENT

4-1. BEAM LANDING ADJUSTMENT

Beam landing adjustments are made to ensure correct landing of the three beams on their designated phosphor stripes. Incorrect beam landing at any point on the screen results in color contamination (a predominant hue) in those particular areas of the screen. Also, this adjustment is used when a complete realignment is needed following picture tube replacement.

Preparation:

1. Obtain a crosshatch signal from colour/pattern generator.
2. Turn BRT and PICTURE controls fully clockwise.
3. Turn AFT switch on.

Adjustment Procedure:

1. Face the screen due East or West, and degauss the entire screen area using a degaussing coil.
2. If misconvergence is found on the screen, adjust the horizontal static control (VR801) for best convergence at centre screen.
3. Set the purity magnet control to the mechanical centre to obtain minimum magnetic field as shown in Fig. 4-1.
4. Loosen the clamp screw that secures the deflection yoke.
5. Slide the deflection yoke forward against the funnel of the picture tube.
6. Set the picture tube neck assembly and the beam alignment control assembly as shown in Fig. 4-2.
7. Unsolder red and blue leads on the T board. The screen should appear as shown in Fig. 4-3.
8. Adjust the purity magnet control to center the vertical green band on the screen as shown in Fig. 4-4.
9. Slide the deflection yoke back towards the tube base to obtain a uniform green over the entire screen.
10. Check red and blue rasters for uniformity and repeat Steps 8 and 9 if needed. Clamp the deflection yoke in place.
11. If mislanding is found at the corners, affix small disk magnets using double-sided adhesive tape.

After installing disk magnets, degauss the entire screen area and make sure that mislanding does not appear on the screen.

12. Check for misconvergence. If misconvergence appears on the screen, adjust the horizontal and vertical static convergence adjustments.

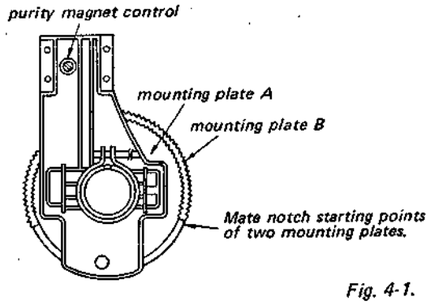


Fig. 4-1.

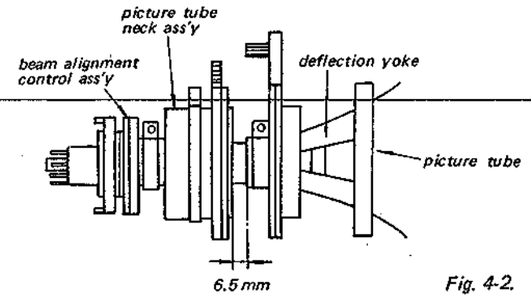


Fig. 4-2.

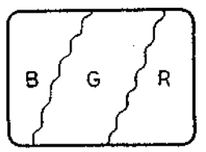


Fig. 4-3.

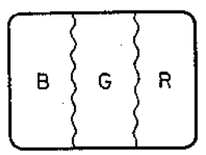


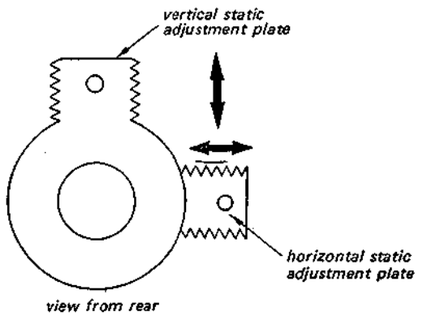
Fig. 4-4.

4-2. CONVERGENCE ADJUSTMENT

Static Convergence Adjustments

Preparation:

1. Beam landing and white-balance adjustments should be completed before starting the convergence adjustments.
2. The following adjustments should also be completed:
   a. Focus adjustments. (See page 26.)
   b. Horizontal size adjustment. (See page 25.)
   c. Vertical size and linearity adjustments. (See page 25.)
3. Receive the dot pattern from the color-bar/pattern generator.
4. Turn BRT control fully counterclockwise and PICTURE control fully clockwise.
5. Turn AFT switch on.
6. Check for best convergence on the screen by adjusting the horizontal static control (VR801). If misconvergence is found, perform the following horizontal static adjustments.



Align the circumference of horizontal static adjustment plate with the circumference of vertical static adjustment plate.

Fig. 4-5.

Horizontal Static Convergence

Adjustment Procedure:

1. Adjust the horizontal static convergence control VR801 so that red and blue dots converge with green dots at the centre of the screen. See Fig. 4-6.
2. If red and blue dots do not converge with green dots at centre screen, install and adjust a HMC trimmer plate as necessary. See Fig. 4-7. This plate can be installed from either side. Its effect can be reversed but pulling it off, turning it 180°, and reinstalling it.

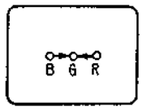


Fig. 4-6.

Vertical Static Convergence

Adjustment Procedure:

1. Adjust the vertical static adjustment plate so that red and blue dots converge with green dots. See Fig. 4-8.
2. If blue and red dots do not converge vertically with green dots at centre screen, install a VMC trimmer plate and adjust for correct vertical convergence. See Fig. 4-7.

Note: If it is necessary to correct convergence using the trimmer plates, mislanding may result. Therefore, repeat the beam-landing adjustments.

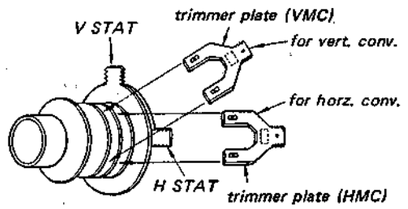
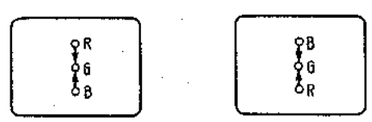


Fig. 4-7.



insertion of the vertical static adjustment plate

withdrawal of the vertical static adjustment plate

Fig. 4-8.

Dynamic Convergence Adjustments

Adjustment Procedure:

1) Horizontal Dynamic Convergence

1. Adjust the TILT coil (L602) to obtain best horizontal convergence at both sides of screen. This is the only correction of horizontal dynamic convergence that is needed in most cases. If side misconvergence persists, proceed to Step 2.
2. Adjust the TILT control to display the dot pattern shown in Fig. 4-9 or 4-10.
   a. If misconvergence is as shown in Fig. 4-9, increase the resistance value of R623 to the next larger commercial value.
   b. If misconvergence is as shown in Fig. 4-10, reduce the resistance value of R623 to the next smaller commercial value.
3. If correct convergence is not obtained, change L606 as shown in Fig. 4-11.
4. If correct convergence is not still obtained by adjusting TILT control, connect the lead from L605 and L606 to M1 or M2 point on the P board. Readjust TILT control if necessary.

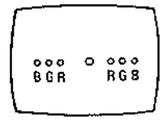


Fig. 4-9.

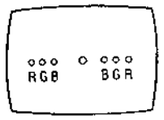
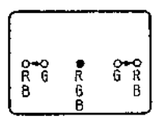
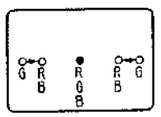


Fig. 4-10.



Short L606.



Discard L606.

Fig. 4-11.

2) Vertical Dynamic Convergence

There are no adjustments for vertical dynamic convergence. However, if the need for correction is found when replacing the picture tube, proceed as follows:

1. Remove the jumper which is connected between terminals ⑨ and ⑩ on D board.
2. Connect a lead to each terminal ⑨ and ⑩.
3. Connect each lead which is connected terminals ⑨ and ⑩ to terminal of beam alignment coil BAA as shown in Fig. 4-12.
4. Readjust V STAT control, if necessary.

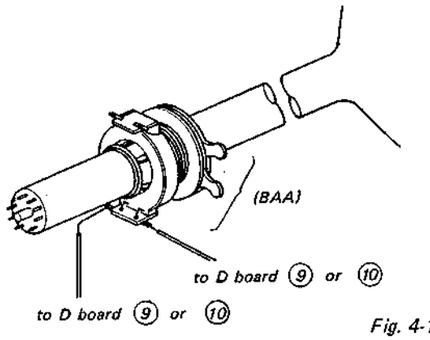


Fig. 4-12.

Screen-edge Convergence Adjustments

Preparation:

1. Loosen the screws labeled Z1 ~ Z4 in Fig. 4-13.
2. Receive the dot pattern from the colour-bar/pattern generator.

Adjustment Procedure:

1. Screen edge misconvergence is corrected by positioning the axis of the deflection yoke with respect to the CRT axis. In general the yoke is positioned for best overall edge convergence. Fig. 4-14 gives some pointers as to which way the yoke must be moved to correct the effects shown. In each case it is the front edge of the yoke that is moved up, down, left or right.
2. If the conditions shown at the top of Fig. 4-14 cannot be corrected by vertical yoke positioning, spread the tabs of the beam alignment control assembly (located closest to the CRT base). Be sure to move the tabs equal amounts in opposite directions.

3. Correct misconvergence at the extreme corners by positioning Permalloy tabs on the funnel of the CRT near the corner in question. Affix the tab where best correction is obtained. If the tabs are installed, degauss the entire screen area with a degaussing coil and recheck beam landing.

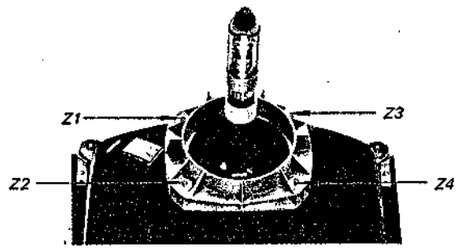


Fig. 4-13.

Directions as viewed from rear of set.

Fig. 4-14.

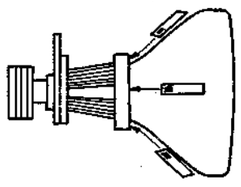


Fig. 4-15.

4-3. WHITE BALANCE ADJUSTMENTS

Preparation:

1. Receive the crosshatch signal from the colour-bar/pattern generator.

Adjustment Procedure:

Low-Level White Balance Adjustments

1. Turn the BRT control and PICTURE control fully counterclockwise.
2. Turn the screen control (VR605) counter-clockwise slowly to obtain a crosshatch that is faintly visible.
3. Set the green background control (VR603) to midrange.
4. Adjust the red and blue background controls to obtain optimum white balance (neutral gray).
5. If optimum white balance is not obtained on the screen even though red and blue background controls are turned fully clockwise or counterclockwise, turn the green background control slightly clockwise.
6. Turn the screen control counterclockwise until the pattern again becomes faintly visible.
7. Readjust the red and blue background controls to obtain optimum white balance.

High Level White Balance Adjustments

1. Set the BRT and PICTURE controls fully clockwise.
2. Adjust the all three (red, green and blue) drive controls (VR153, VR152 and VR151) to obtain optimum white balance.
3. Turn the brightness and picture controls fully counterclockwise.
4. Confirm that optimum white balance is obtained at low level.
5. Repeat the adjustments for low and high level white balance as needed.

Note: The use of trimmer plates is seldom required, and are not furnished on all sets. However, a set of two trimmer plates should be on hand when installing a replacement picture tube in case the need is found for them. The part number for the trimmer plate is 1-452-051.

SECTION 5
CIRCUIT ADJUSTMENTS

5-1. UIF ADJUSTMENT

ITEM	*PREPARATION & REMARKS*	*ADJUST*	*PROCEDURES*
UHF IF Response Curve Adjustment	1. Remove UIF-out phono plug from UHF tuner. 2. Connect a sweep generator and a scope as shown in Fig. 5-1. 3. Connect 4,700pF capacitor between the collector of Q752 and ground circuit.	T751 (UIFT-1) T752 (UIFT-2)	1. Adjust output level of sweep generator to obtain approx. 10 mV wave-height on the scope. See Fig. 5-2. 2. Adjust the two transformers UIFT-1 and UIFT-2 until the picture i-f carrier (39.5 MHz) point is at the same level as the colour-sub-carrier (35.07 MHz). 3. Unsolder the 4,700pF capacitor.

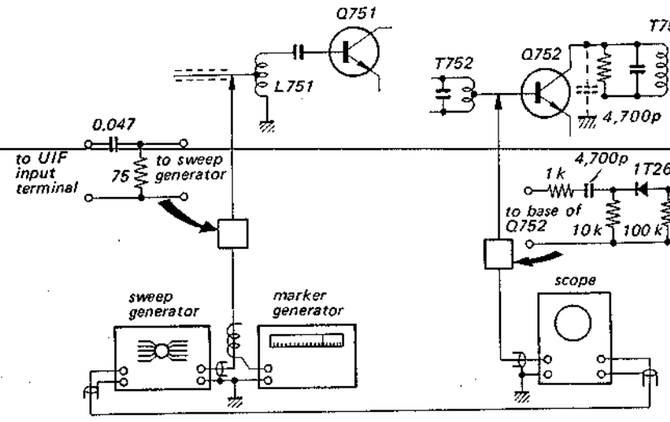


Fig. 5-1.

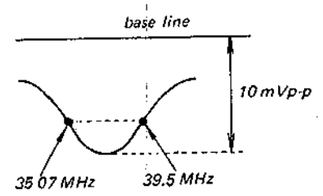


Fig. 5-2.

5-2. VIF ADJUSTMENT

ITEM	PREPARATION & REMARKS	ADJUST	PROCEDURE
33.5 MHz Trap and Rough Response Curve Adjustment	1. Set the UHF tuning knob to the highest inactive channel in the area. 2. Turn VR201 and VR203 fully counterclockwise as viewed from conductor side. 3. Short AFT leads (white and red) at terminals 7 and 8 on the S board with a jumper wire. 4. Connect the equipment as shown in Fig. 5-3.	VIFT-3 (T204) VIFT-4 (T205) VIFT-5 (T207) VIFT-T4 (T206) VR202	1. Adjust output level of sweep generator to obtain 1.0V p-p on the scope. 2. Adjust VIFT-3, VIFT-4, VIFT-5 to obtain rough response curve as shown in Fig. 5-4. 3. Adjust VIFT-T4 and VR202 so that 33.5 MHz marker shows the trap point. 4. Repeat Step 2.

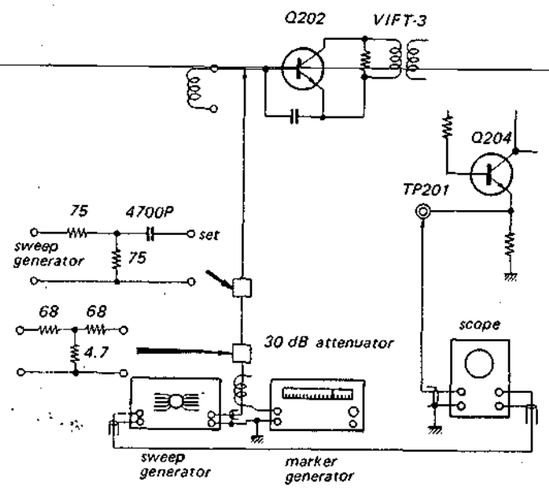


Fig. 5-3.

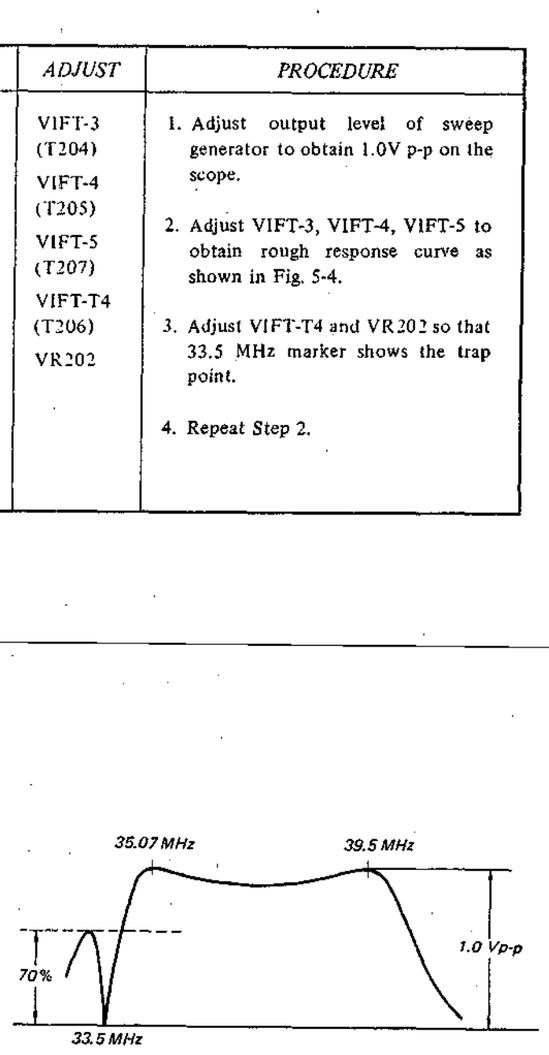


Fig. 5-4.

ITEM	PREPARATION & REMARKS	ADJUST	PROCEDURE
VIF Response Curve Adjustment	1. Remove UIF-out phono plug from the UHF tuner. 2. Turn agc control VR203 fully counterclockwise as viewed from conductor side. 3. Short AFT leads (white and red) at terminals 7 and 8 on the S board with a jumper wire. 4. Mount a series-connected rheostat and 3.3 kΩ resistor across R242 (See Fig. 5-6). 5. Connect the equipment as shown in Fig. 5-5.	VIFT-2 (T203) UIFT-3 (T753) VIFT-1 (T201) VC201 VIFT-T2 (33.5 MHz) VIFT-T3 (31.5 MHz) VIFT-T1 (41.5 MHz)	1. Set the rheostat for 100 k-ohms. 2. Adjust sweep generator output level to obtain 1.0V(p-p) on the scope. 3. Disconnect the 30 dB attenuator and adjust rheostat to obtain 1.0V(p-p) on the scope. 4. Adjust VIFT-2 to obtain the maximum indication on the scope. 5. Adjust as follows: VIFT-T1: 41.5 MHz trap VIFT-T2: 33.5 MHz trap VIFT-T3: 31.5 MHz trap VIFT-1, VC201, UIFT-3: 50% height at 35.07 MHz and 39.5 MHz 6. Repeat step 5 to obtain the response curve shown in Fig. 5-7.

Fig. 5-5.

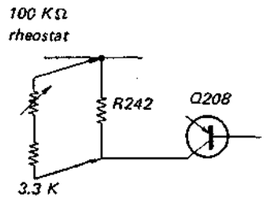


Fig. 5-6.

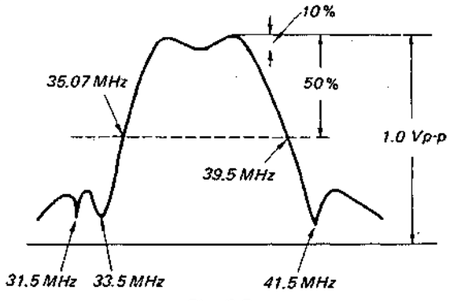


Fig. 5-7.

ITEM	PREPARATION & REMARKS	ADJUST	PROCEDURE
Detector Output Level Adjustment	1. Turn AFT switch on. 2. Connect a scope to the emitter of Q204. 3. Obtain a strong off-the-air signal (60~75 dB).	VR203 (VIF AGC)	2.5~2.7V from 0V dc level to sync tip. See Fig. 5-8.
Tuner Agc Adjustment	1. Obtain a relatively weak off-the-air signal.	VR201	1. Adjust for minimum noise (snow) in picture.
	2. Obtain a strong off-the-air signal.		2. Check for crossmodulation and overload. Adjust VR201 if necessary.

Fig. 5-8.

5-3. SOUND IF ADJUSTMENT

ITEM	PREPARATION & REMARKS	ADJUST	PROCEDURE
6 MHz Trap Adjustment	1. Obtain an off-the-air signal. 2. Turn AFT switch off.	T208 (6 MHz)	1. Turn the tuning knob slowly to obtain a 6 MHz beat on the screen. 2. Adjust T208 to minimize the 6 MHz beat.
SIF Adjustment	1. Obtain an off-the-air signal. 2. Turn VOL control for minimum sound.	T209 (SIFT-1) T210 (SIFT-3)	1. Adjust T209 and T210 to obtain maximum and clear sound. 2. If buzz sound is heard, readjust T210 to eliminate it.

5-4. AUTOMATIC FINE TUNING (AFT) ADJUSTMENT

Field Service Method

ITEM	PREPARATION & REMARKS	ADJUST	PROCEDURE
AFT Adjustment	1. Obtain an off-the-air signal with good signal-to-noise ratio. 2. Adjust VER hold and horizontal frequency controls for correct sync. 3. Adjust BRT and PICTURE controls for best picture. 4. Turn AFT switch off.	T212 (AFT-T4)	1. Turn the UHF tuner knob clockwise to obtain 1.57 MHz beat on the screen. 2. Eliminate 1.57 MHz beat stripe by slowly turning UHF tuner knob counterclockwise. 3. Turn AFT switch on. 4. Adjust T212 to eliminate 1.57 MHz beat stripe while holding UHF tuner knob stationary.

Factory Service Method

ITEM	PREPARATION & REMARKS	ADJUST	PROCEDRUE
AFT Adjustment	1. Adjust T212 (AFT-T4) by Field Service Method as above. 2. Turn UHF tuning knob to the highest inactive channel in the area. 3. Turn AFT switch off. 4. Connect a sweep generator to the UIF input terminal as shown in Fig. 5-9. 5. Loosely couple a marker generator to the output lead of the sweep generator. 6. Connect a scope to emitter of Q204 and to terminals 7 and 8 on S board as shown in Fig. 5-9.	T212 (AFT-T4) T211 (AFT-T3)	1. Adjust sweep generator output level to obtain 1.0V(p-p) on the scope. See Fig. 5-10. 2. Adjust T211 to obtain wave-form shown in Fig. 5-11 at terminal 8. 3. Be sure that the symmetric waveform remains when sweep generator output level is attenuated about 10 dB. 4. Be sure that reverse polarity is indicated when the scope is connected to terminal 7.

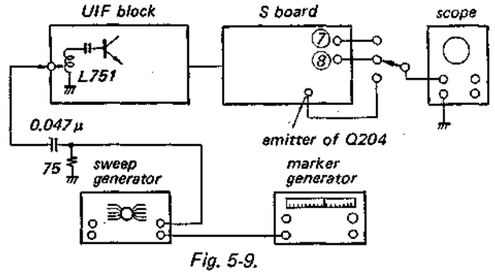


Fig. 5-9.

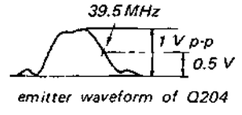


Fig. 5-10.

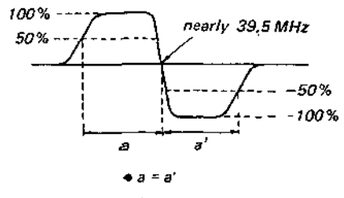


Fig. 5-11.

5-5. COLOUR CIRCUIT ADJUSTMENT

ITEM	*PREPARATION & REMARKS*	*ADJUST*	*PROCEDURE*
Take-off Transformer (TOT) and 1st Bandpass (BPT-1) Adjustments	1. Turn UHF tuning knob to the highest inactive channel in the area. 2. Short the base of Q319 and Q161 and also the secondary of DL301 to ground with a jumper. 3. Connect a dc bias box to the base of ACC transistor Q302. 4. Adjust the dc bias box to supply 0.7V to the base of Q302 shown in Fig. 5-12. 5. Turn AFT switch off.	TOT (T301) BPT-1 (T302)	1. Connect a sweep generator to primary of TOT the UIF input terminal through network shown in Fig. 5-13. 2. Loosely couple the marker generator to the output lead of sweep generator. 3. Connect a scope to the secondary of BPT-2 (T308) through network shown in Fig. 5-14. 4. Adjust the core of TOT and BPT-1 for maximum 4.43 MHz indication on the scope.

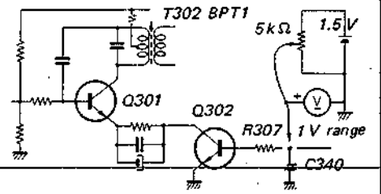


Fig. 5-12.

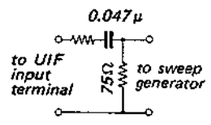


Fig. 5-13.

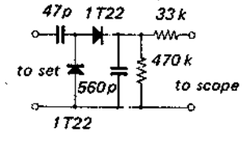


Fig. 5-14.

ITEM	*PREPARATION & REMARKS*	*ADJUST*	*PROCEDURE*
2nd Bandpass Transformer (BPT-2) Adjustment	1. Turn UHF tuning knob to the highest inactive channel in the area. 2. Short the base of colour killer amplifier Q319 to ground with a jumper. 3. Turn AFT switch off. 4. Turn the PICTURE control fully clockwise and COLOUR control to midrange. 5. Connect a sweep generator to terminal 3 on C board through network shown in Fig. 5-13. 6. Connect a scope to secondary of 2nd bandpass transformer BPT-2 through network shown in Fig. 5-14.	BPT-2 (T307)	1. Adjust the core of BPT-2 to obtain the response curve shown in Fig. 5-15.
Automatic Colour Control (ACC) Adjustment	1. Obtain a colour-bar signal from the colour-bar generator. 2. Connect a scope to the emitter of Q204. 3. Connect another scope to the secondary of 1st bandpass transformer BPT-1.	VR304 (ACC)	1. Adjust the colour-bar generator to produce 0.2V(p-p) burst signal on the scope. 2. Adjust ACC Control (VR-304) to produce a colour burst signal of 1.0V(p-p).
4.43 MHz Oscillator Adjustment	1. Receive the colour-bar signal from the colour-bar generator. 2. Turn HUE control VR906 to mechanical centre.	COT-1 (T307)	1. Short the base of Q317 to ground with a jumper. 2. Adjust the core of COT-1 to synchronize colour display and to minimize colour beat.
		COT-2 (T309)	1. Short the base of Q313 to ground with a jumper. 2. Adjust the core of COT-2 to synchronize the colour in the display and for minimum colour beat in the picture. Adjust COT-1 and COT-2 several times.

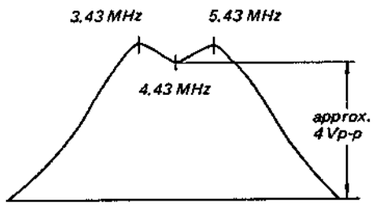
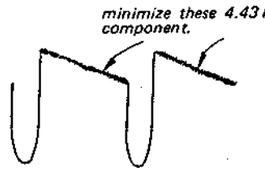
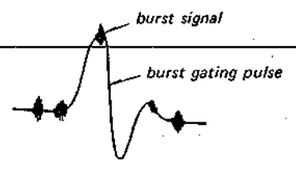
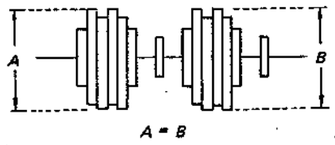


Fig. 5-15.

ITEM	PREPARATION & REMARKS	ADJUST	PROCEDURE
4.43 MHz Trap Coil Adjustment	1. Obtain a colour-bar signal from the colour-bar generator. 2. Turn COLOUR control fully counterclockwise and Picture control fully clockwise. 3. Connect a scope to the emitter of Q153 (Y DRIVE).	L155 (4.43 MHz tape)	1. Adjust trap coil L155 to minimize 4.43 MHz component on the waveform shown in Fig. 5-16.  Fig. 5-16.
Burst Amplifier Adjustment	1. Obtain a colour-bar signal from the colour-bar generator. 2. Connect a scope to the base of burst amplifier (Q310 and Q315) and check that the burst signal rides around atop the burst gate pulse as shown in Fig. 5-17. 3. Connect dc bias box across capacitor C340.  Fig. 5-17.	BAT-1 (T306) BAT-2 (T308)	1. Connect a scope to the secondary of 1st burst amp transformer BAT-1. 2. Adjust dc bias box until burst signal on the scope is less than 10V(p-p) waveform. 3. Adjust the core of BAT-1 to obtain maximum burst signal on the scope. 4. Connect a scope to the secondary of 2nd burst amp transformer BAT-2. 5. Adjust the core of BAT-2 to obtain maximum burst signal on the scope.
Delay Level Adjustment	1. Obtain a colour-bar signal from the colour-bar generator. 2. Connect dc bias box to base of Q302. 3. Turn HUE and COLOUR control to mechanical centre. 4. Adjust dc bias box to obtain 1.0V at base of Q302.	VR301 VR302 DAC (L301) CAT-1 (T303)	1. Connect a scope to collector of Q306. 2. Adjust VR301 to obtain the same level between direct colour signal and 1-H delayed colour signal. See Fig. 5-18.  Fig. 5-18. 3. Reconnect a scope to the secondary of T303. 4. Adjust VR302, L301 and T303 to indicate minimum level on the scope.

ITEM	PREPARATION & REMARKS	ADJUST	PROCEDURE
Chroma Amp Transformer (CAT-2) Adjustment	1. Obtain a colour-bar signal from the colour-bar generator. 2. Connect a dc bias box to base of Q302. 3. Adjust dc bias box for 0.7V supply to the base of Q302. 4. Connect a scope to the secondary of CAT-2.	CAT-2 (T305)	1. Adjust CAT-2 for maximum chroma level on the scope.
Hue Adjustment	1. Obtain a colour-bar signal from the colour-bar generator. 2. Turn HUE and PICTURE controls to mechanical centre. 3. Turn COLOUR control fully clockwise, and then turn it counterclockwise about 90 degrees.	BAT-1 (T306) BAT-2 (T308) VR303 VR305	1. Connect a scope to the emitter of Q204. 2. Adjust ACC control (VR304) to produce 1.0V(p-p) colour burst signal on the scope. 3. Connect a scope to the base of Q163 and Q165. 4. Turn VR303 to obtain R-Y and B-Y waveforms on the scope. 5. Connect a 5k-ohm resistor across R454. 6. Adjust VR305 to produce the vibrated waveform shown in dotted line of Fig. 5-19. 7. Adjust T306 to synchronize the vibrated waveform of B-Y, and also T308 to synchronize the R-Y waveform. 8. Disconnect a 5k-ohm resistor. 9. If the waveform is vibrated, adjust VR305 to synchronize the waveform. 10. Check that the optimum colour-bar picture appears on the screen as shown in Fig. 5-20. If the optimum colour-bar picture is not appeared on the screen, adjust VR305 slightly.

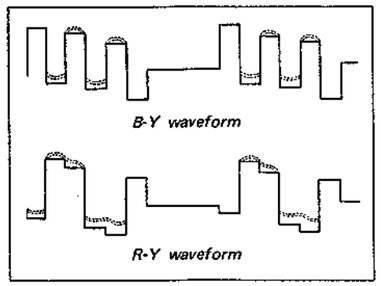


Fig. 5-19.

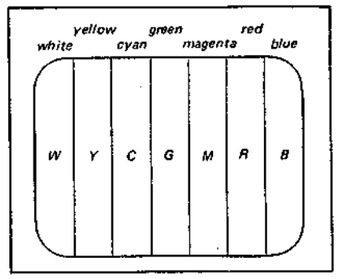


Fig. 5-20.

ITEM	PREPARATION & REMARKS	ADJUST	PROCEDURE
ID Adjustment	1. Obtain a colour-bar signal from the colour-bar generator. 2. Connect a bias box to base of Q322, and supply 0.5 V to 0.7 V.	T311 (BAT-3) VR305 VR306	1. Connect a scope to secondary of T311. 2. Adjust T311 until burst signal indicates maximum amplitude on the scope. 3. Disconnect dc bias box. 4. Turn VR306 fully counterclockwise as viewed from conductor side. 5. Connect a scope to base of Q324. 6. Connect a trigger input terminal of scope to collector of Q327. 7. Adjust VR305 to obtain 4 V(p-p) on the scope. 8. Adjust VR306 until the 2nd keying pulse counted from left is located at the same position of positive differential pulse shown in Fig. 5-21.

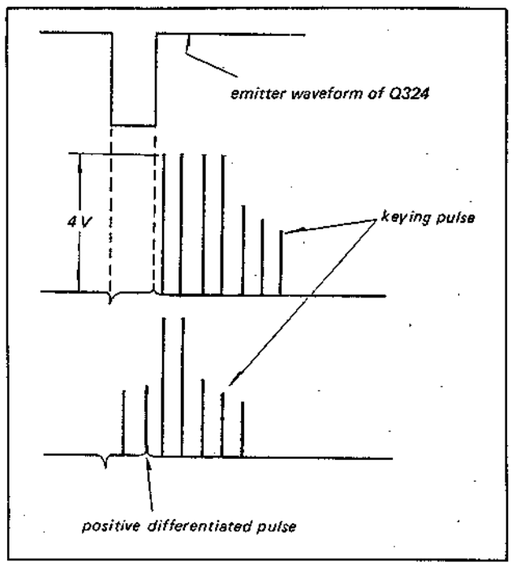
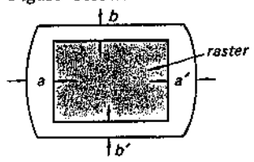
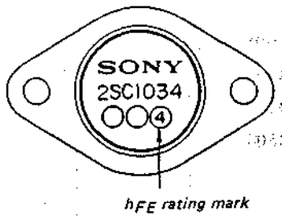


Fig. 5-21.

5-6. DEFLECTION CIRCUIT ADJUSTMENT

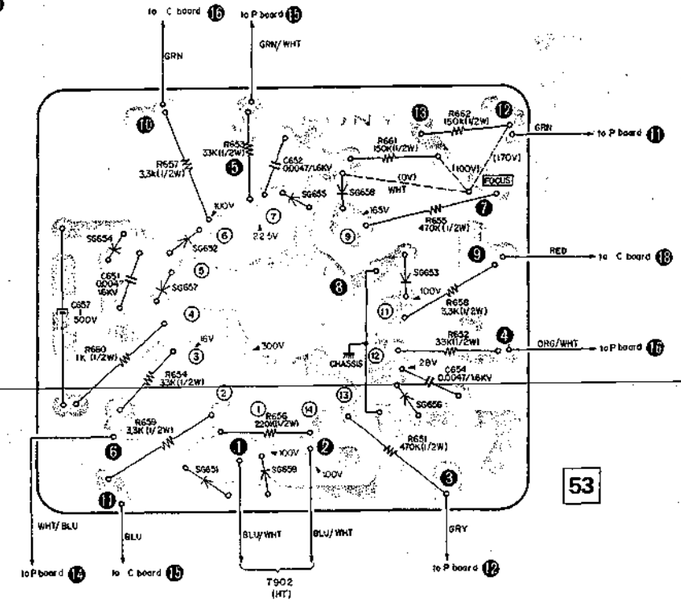
ITEM	PREPARATION & REMARKS	ADJUST	PROCEDURE
110 V line Adjustment	1. Obtain an off-the-air signal. 2. Turn BRT and PICTURE controls for optimum screen. 3. Connect a VOM to terminal 17 on P board.	VR601	1. Adjust VR601 to obtain 110 V.
Horizontal or Vertical Size and Centering Adjustment	1. Obtain an off-the-air signal. 2. Turn BRT and PICTURE controls fully counterclockwise.	VR608 VR501 VR609 VR504	1. Turn VR608 and VR501 to obtain small raster on the screen as shown in Figure below.  2. Adjust VR609 for same amount of lack of raster at both sides. (a = a') 3. Adjust VR504 for same amount of lack of raster at top and bottom. (b = b') 4. Adjust VR608 and VR501 for optimum raster size on the screen. **Note:** If raster is not centred by adjusting VR609, connect a centreing lead to the other point (C1 or C2) on the P board.
Horizontal Frequency Adjustment	1. Obtain an off-the-air signal. 2. Unsolder the lead at terminal 8 on D board. 3. Turn AFT switch off. 4. Turn PICTURE and VER controls for optimum picture.	VR505	1. Turn VR505 to obtain a single upright picture that "floats" from side to side or note the two settings that produce equal numbers of slanting bars and set VR505 midway between these settings.
Vertical Linearity Adjustment	1. Obtain a crosshatch signal from colour-bar/pattern generator. 2. Turn BRT and PICTURE controls for optimum picture.	VR502	1. Adjust VR502 for optimum linearity.
Pincushion Correction Adjustment	1. Obtain a crosshatch signal from colour-bar/pattern generator. 2. Turn BRT and PICTURE controls for optimum picture.	VR606	1. Adjust the pincushion correction VR606 for best pincushion correction at the sides of the picture. 2. Readjust horizontal and vertical size controls after adjusting VR606.

ITEM	PREPARATION & REMARKS	ADJUST	PROCEDURE
Focus Adjustment	1. Obtain an off-the-air signal. 2. Turn BRT and PICTURE controls for optimum picture.		1. Connect a focus lead (white) to each connecting point (8, 12, 13) on the T board. 2. Make permanent connection at the point of best focus.
Horizontal Output and Horizontal Converter Drive Adjustment		R807 R808	If a horizontal output transistor has been replaced, change R807 according to the h_{FE} rating of the transistor as shown in the table below. Q801 h_{FE} rating / R807: -3 / 0.68; 2SC1034-4 / 1.2; -5 / 1.8 If a horizontal converter transistor has been replaced, change R808 according to the h_{FE} rating of the transistor as shown in the table below. Q802 h_{FE} rating / R808: 2SC1316-2 / 8.2; -3 / 12; -4 / 15; -5 / 18

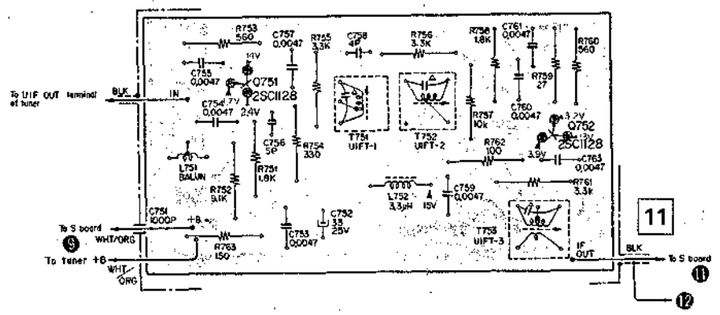
SECTION 6
MOUNTING AND SCHEMATIC DIAGRAMS

Note: 1. All capacitors are 50 WV unless otherwise specified.
2. All resistors are ¼W unless otherwise specified.
3. All resistance values are in ohms. k = 1,000
4. All capacitance values are in μF except as indicated with p, which means μμF.
5. Voltages measured from chassis to point indicated with a VOM (DC 20k ohms/V) at colour signal input.

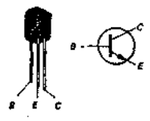
6-1. T CIRCUIT BOARD



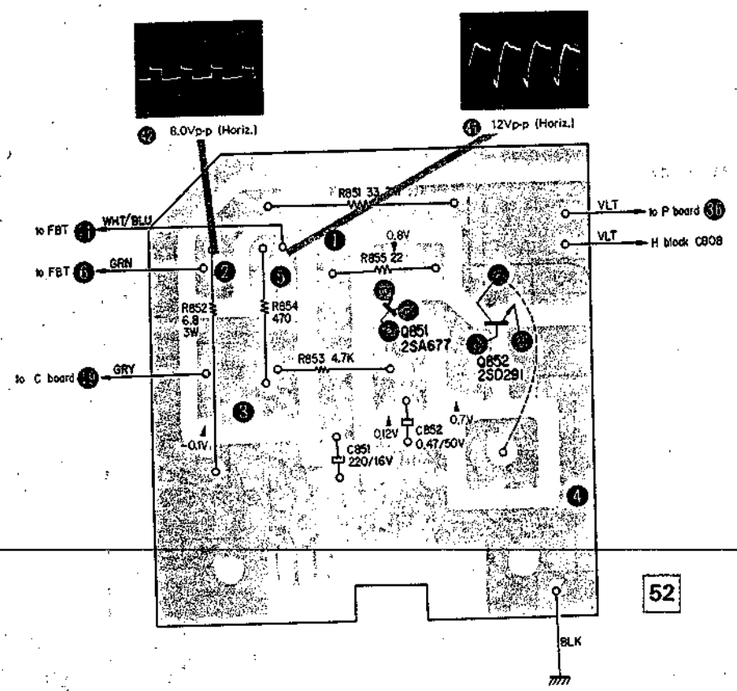
6-2. UIF CIRCUIT BOARD



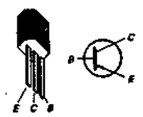
Q751, 752



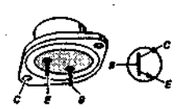
6-3. HR CIRCUIT BOARD



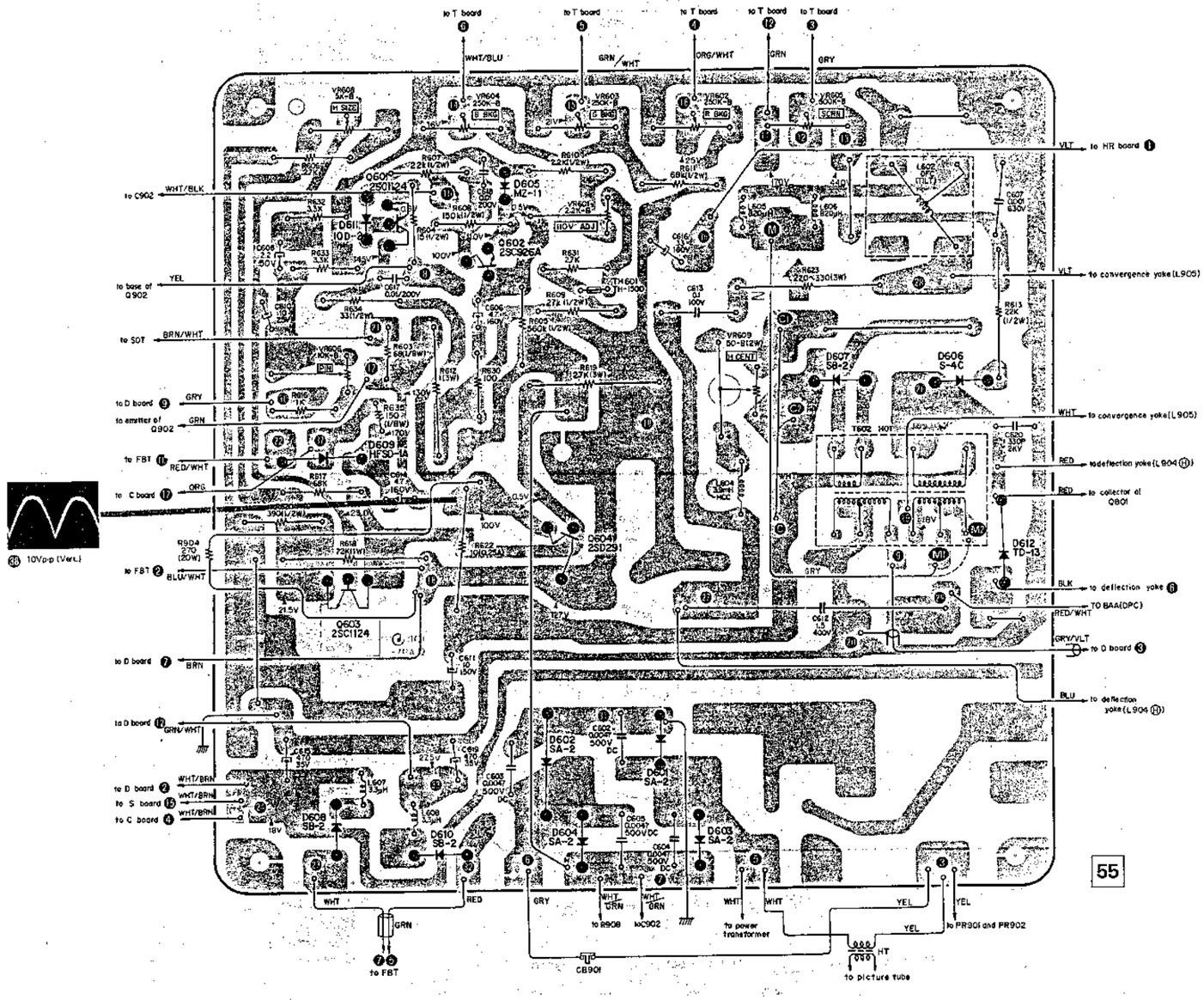
Q851



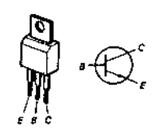
Q852



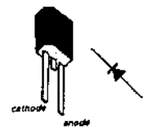
6-4. P CIRCUIT BOARD



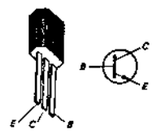
Q601, 603



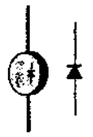
D605



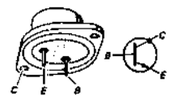
Q602



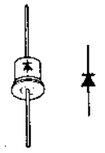
D609



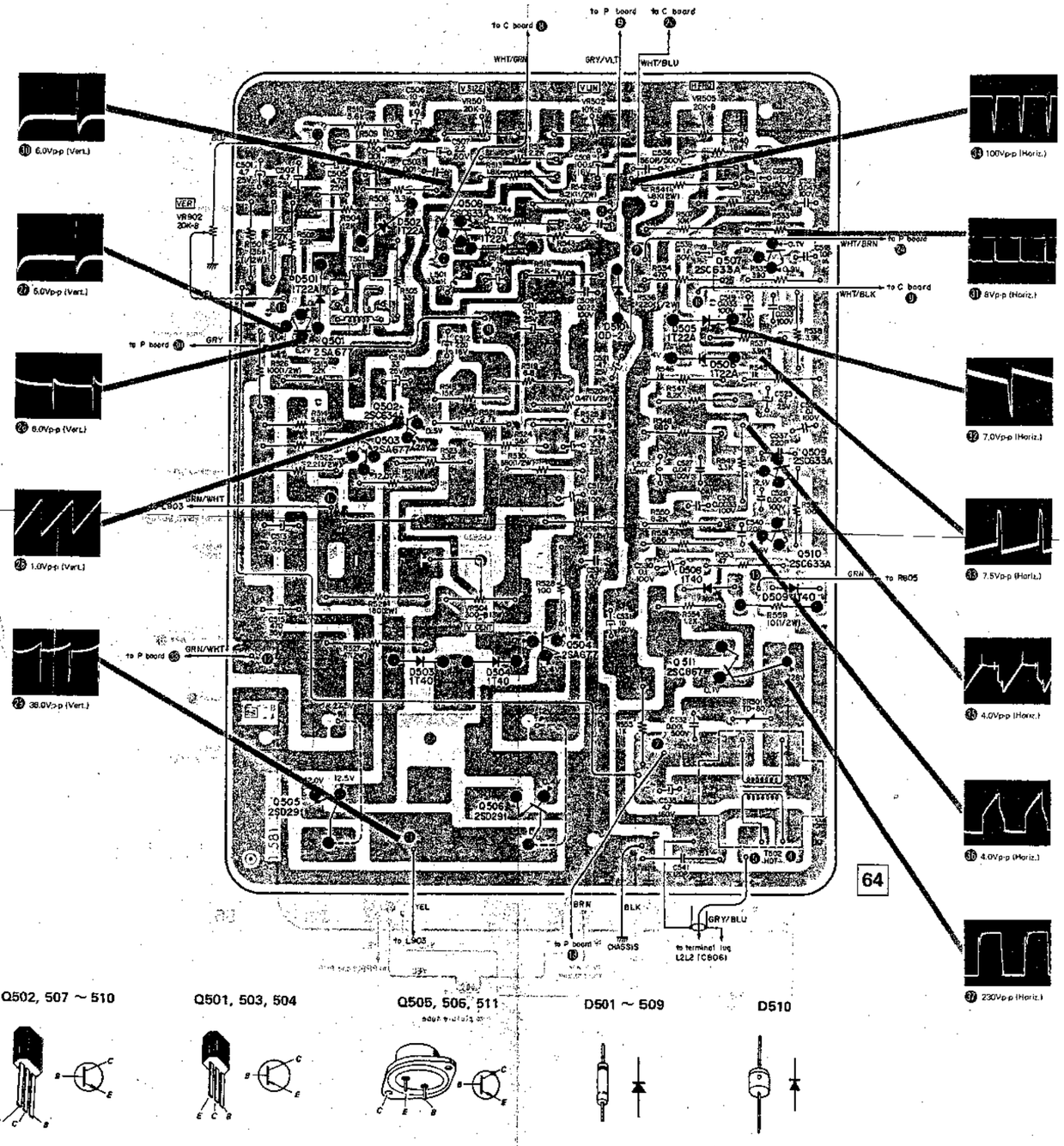
Q604



D601 ~ 604
D606 ~ 608
D610, 612



6-5. D CIRCUIT BOARD



Q502, 507 ~ 510

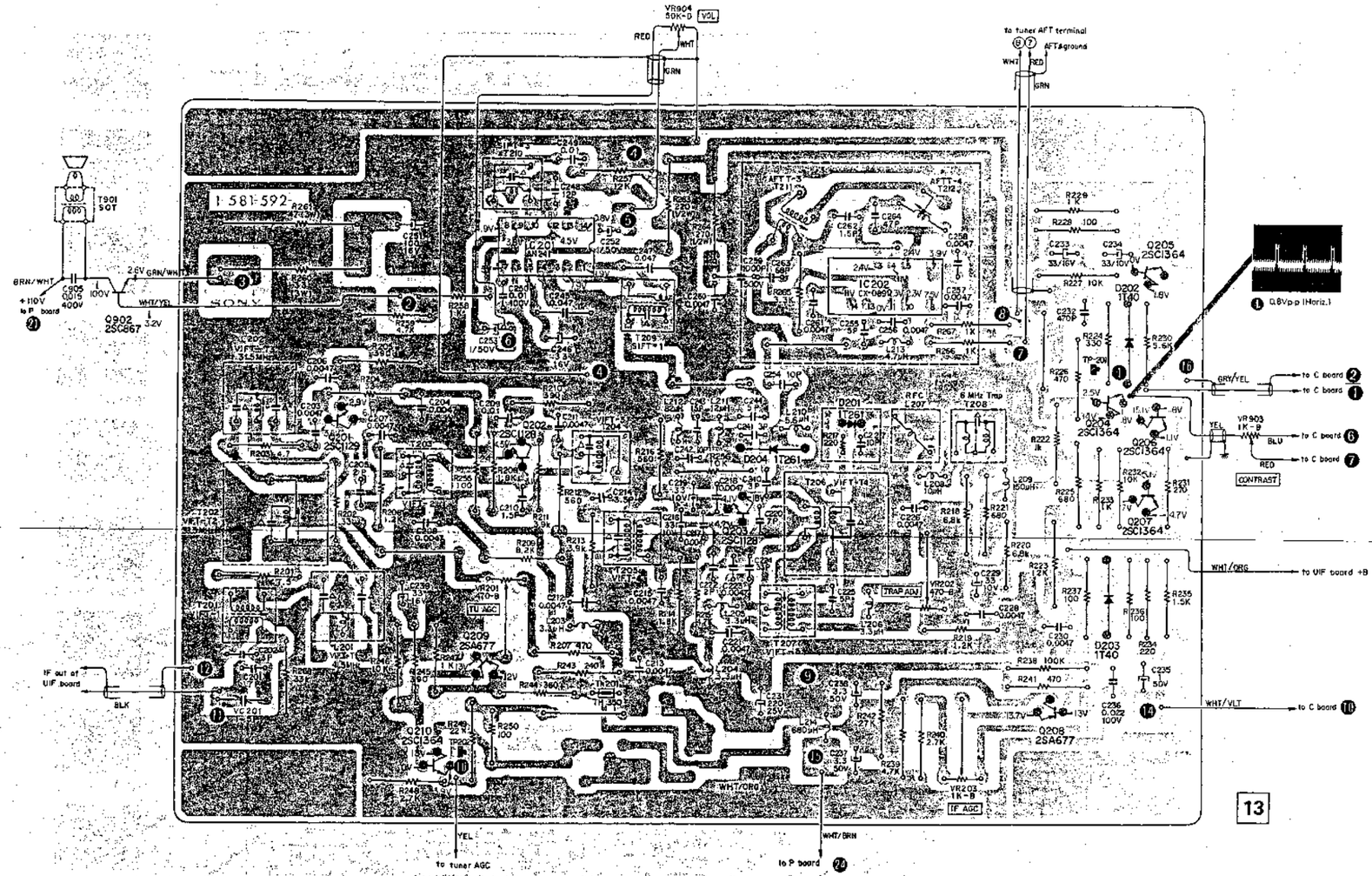
Q501, 503, 504

Q505, 506, 511

D501 ~ 509

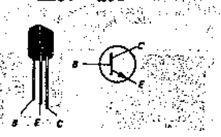
D510

6-6. S CIRCUIT BOARD

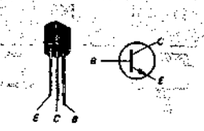


SV-150
S

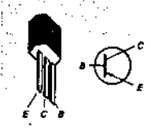
Q201 ~ 203



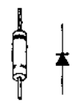
Q204 ~ 207, 210



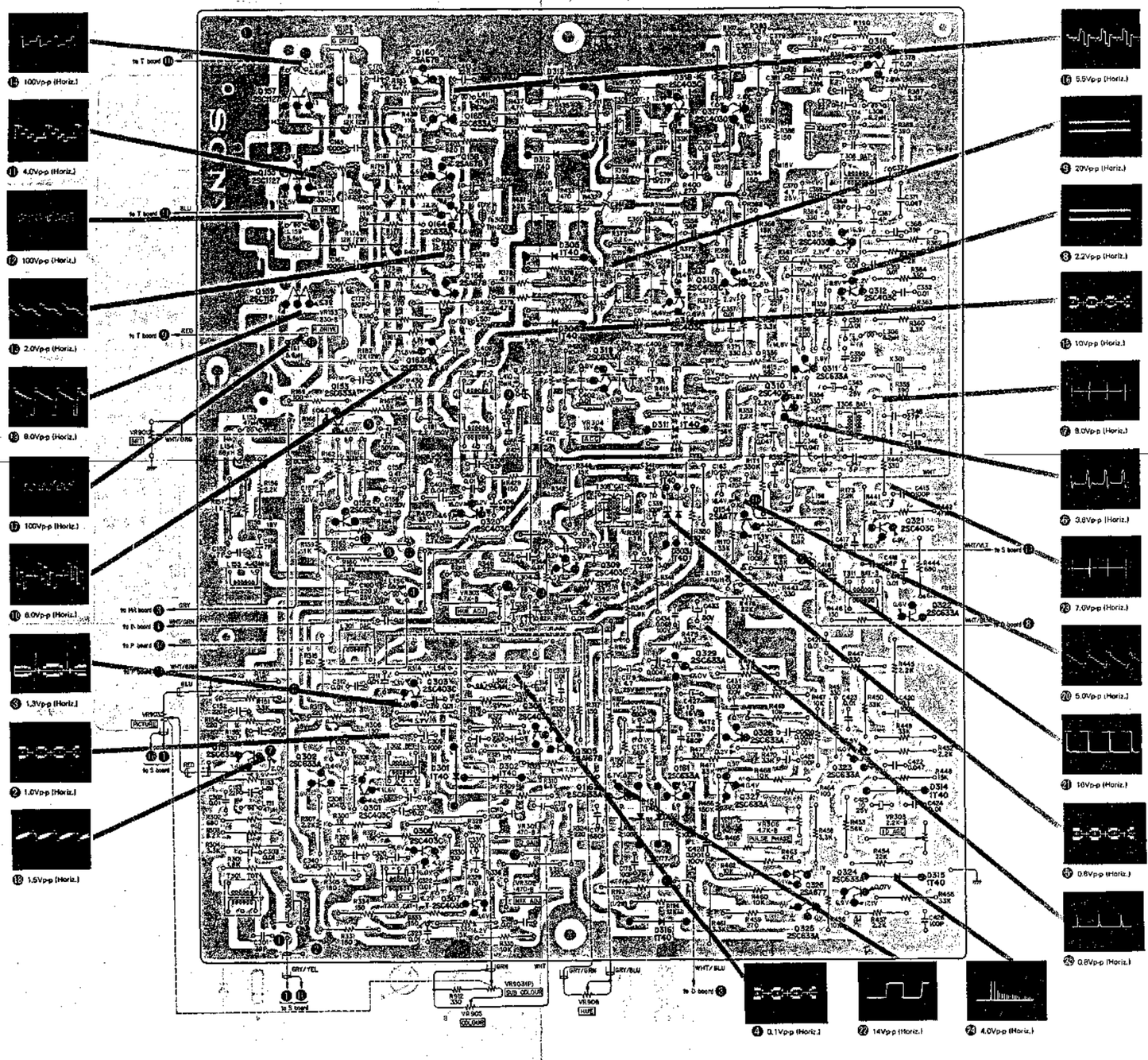
Q208, 209



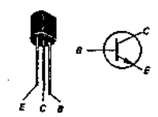
D201 ~ 204



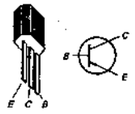
6-7. C CIRCUIT BOARD



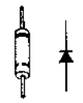
Q154, 156, 158, 160
Q305, 326



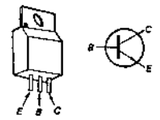
Q151～153
Q161～165
Q302, 311, 319
Q322～325
Q327～329



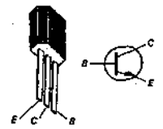
all diodes



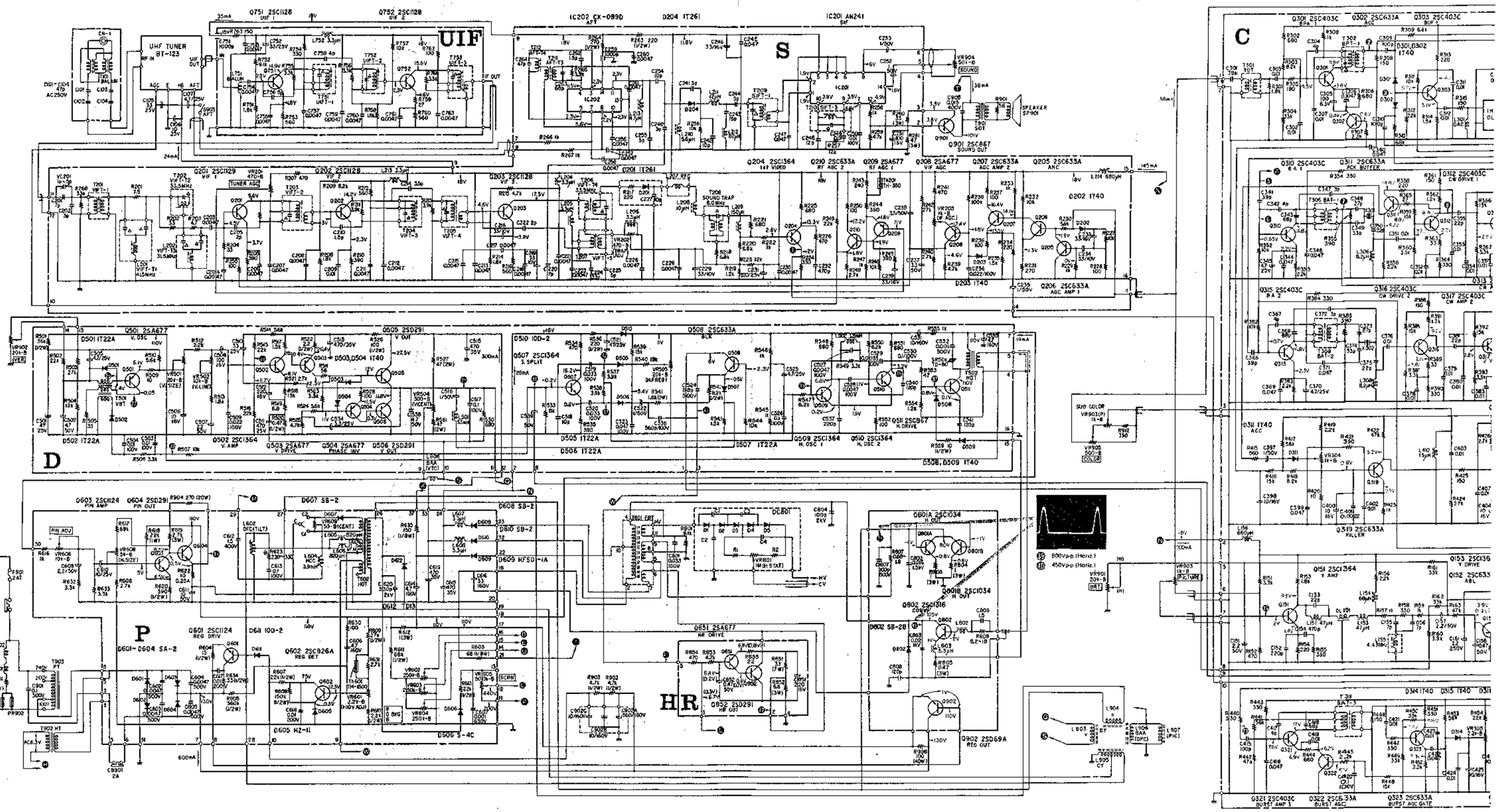
Q155, 157, 159

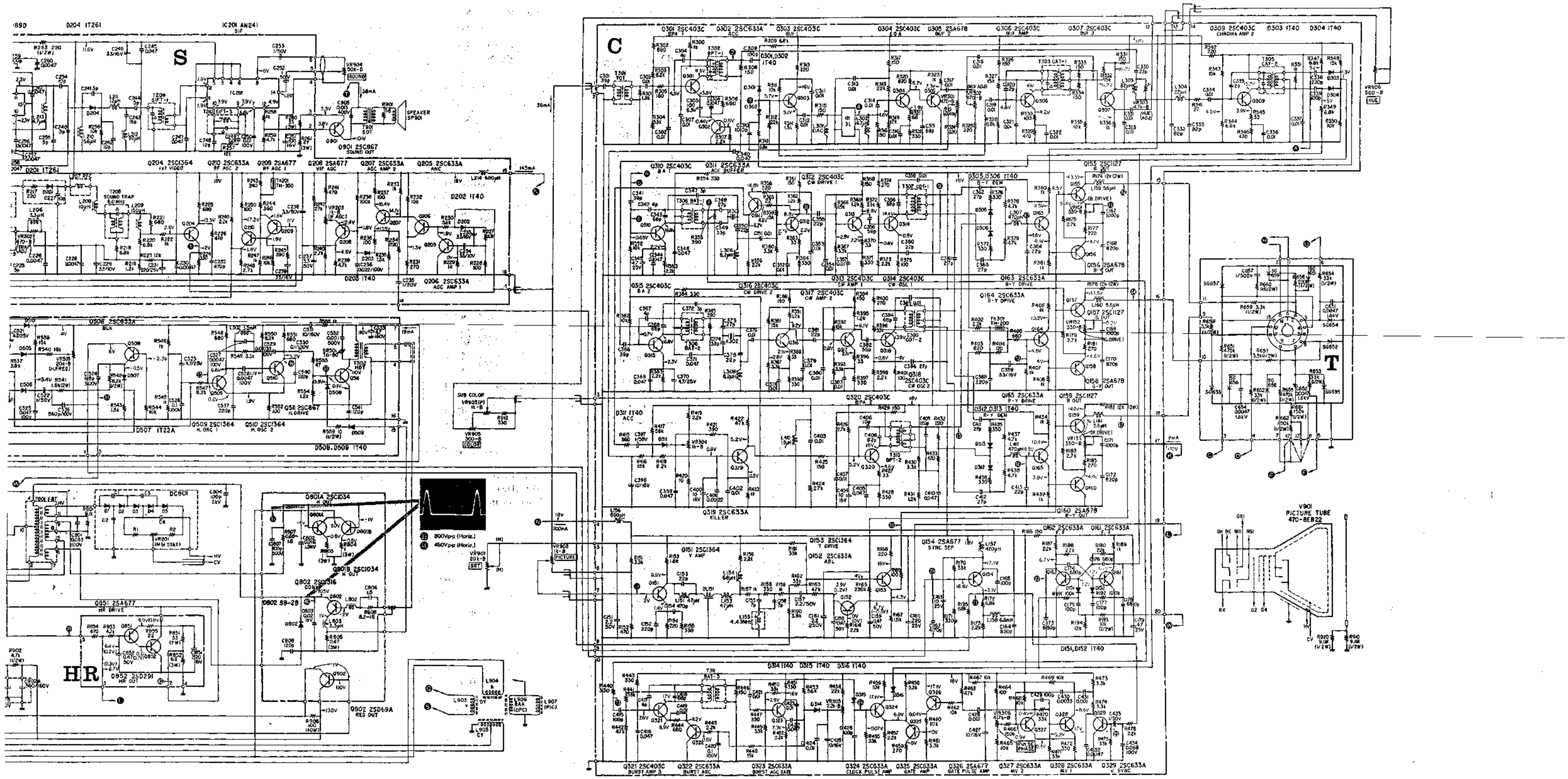


Q301, 303, 304, 306,
Q307, 310～321

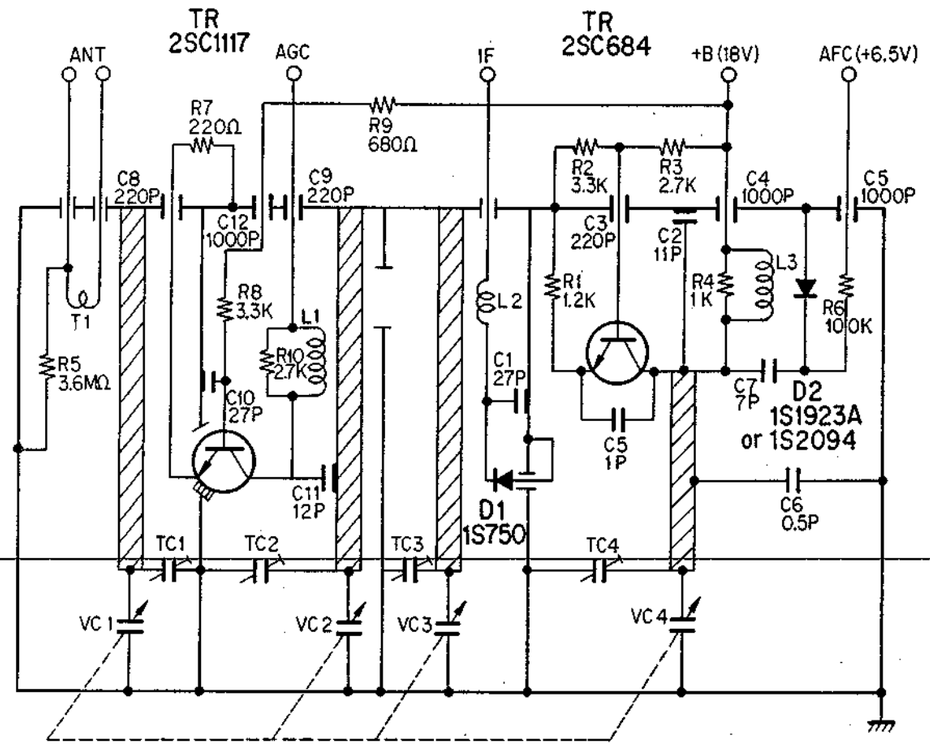


6-8. SCHEMATIC DIAGRAM




S
C
T
HR
V901
PICTURE TUBE
470-BEB22
SPEAKER
SP901

6-9. UHF TUNER SCHEMATIC DIAGRAM



SECTION 7
EXPLODED VIEWS AND PACKING

7-1. HARDWARE NOMENCLATURE

Part No.	*Description*	*Part No.*	*Description*
7-621-722-57	screw, self-tapping BV 3 x 8	7-685-163-21	screw, slef-tapping P 4 x 16
7-621-722-63	screw, self-tapping BV 3 x 10	7-685-459-21	screw, self-tapping T 4 x 8
7-621-722-75	screw, self-tapping BV 3 x 10	7-685-662-21	screw, self-tapping BV 4 x 14
7-621-724-43	screw, self-tapping BV 4 x 10		
7-682-174-00	screw, P 5 x 8	7-623-210-12	spring washer, 4 mm dia
7-682-647-00	screw, PS 3 x 6	7-623-212-12	spring washer, 5 mm dia
7-682-665-00	screw, PS 4 x 16	7-623-408-00	washer, ext tooth 3 mm dia
7-685-134-00	screw, self-tapping P 2.6 x 8	7-684-013-00	nut, 3 mm dia

– Hardware Nomenclature –

P – Pan Head Screw .....
PS – Pan Head Screw with Spring Washer .....
K – Flat Countersunk Head Screw ...
B – Binding Head Screw .....
RK – Oval Countersunk Head Screw ...
T – Truss Head Screw .....
R – Round Head Screw .....
F – Flat Fillister Head Screw .....

SC – Set Screw .....
E – Retaining Ring (E Washer) .....

W – Washer
SW – Spring Washer
LW – Lock Washer
N – Nut

– Example –

Note: 1. When ordering replacement parts, use PART NUMBERS shown in EXPLODED VIEWS.
2. All screws are phillips type (cross recess type).

SECTION 7
EXPLODED VIEWS AND PACKING

7-1. HARDWARE NOMENCLATURE

Part No.	*Description*	*Part No.*	*Description*
7-621-722-57	screw, self-tapping BV 3 x 8	7-685-163-21	screw, slef-tapping P 4 x 16
7-621-722-63	screw, self-tapping BV 3 x 10	7-685-459-21	screw, self-tapping T 4 x 8
7-621-722-75	screw, self-tapping BV 3 x 10	7-685-662-21	screw, self-tapping BV 4 x 14
7-621-724-43	screw, self-tapping BV 4 x 10		
7-682-174-00	screw, P 5 x 8	7-623-210-12	spring washer, 4 mm dia
7-682-647-00	screw, PS 3 x 6	7-623-212-12	spring washer, 5 mm dia
7-682-665-00	screw, PS 4 x 16	7-623-408-00	washer, ext tooth 3 mm dia
7-685-134-00	screw, self-tapping P 2.6 x 8	7-684-013-00	nut, 3 mm dia

– Hardware Nomenclature –

P – Pan Head Screw .....
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RK – Oval Countersunk Head Screw ..
T – Truss Head Screw .....
R – Round Head Screw .....
F – Flat Fillister Head Screw .....

SC – Set Screw .....
E – Retaining Ring (E Washer).....

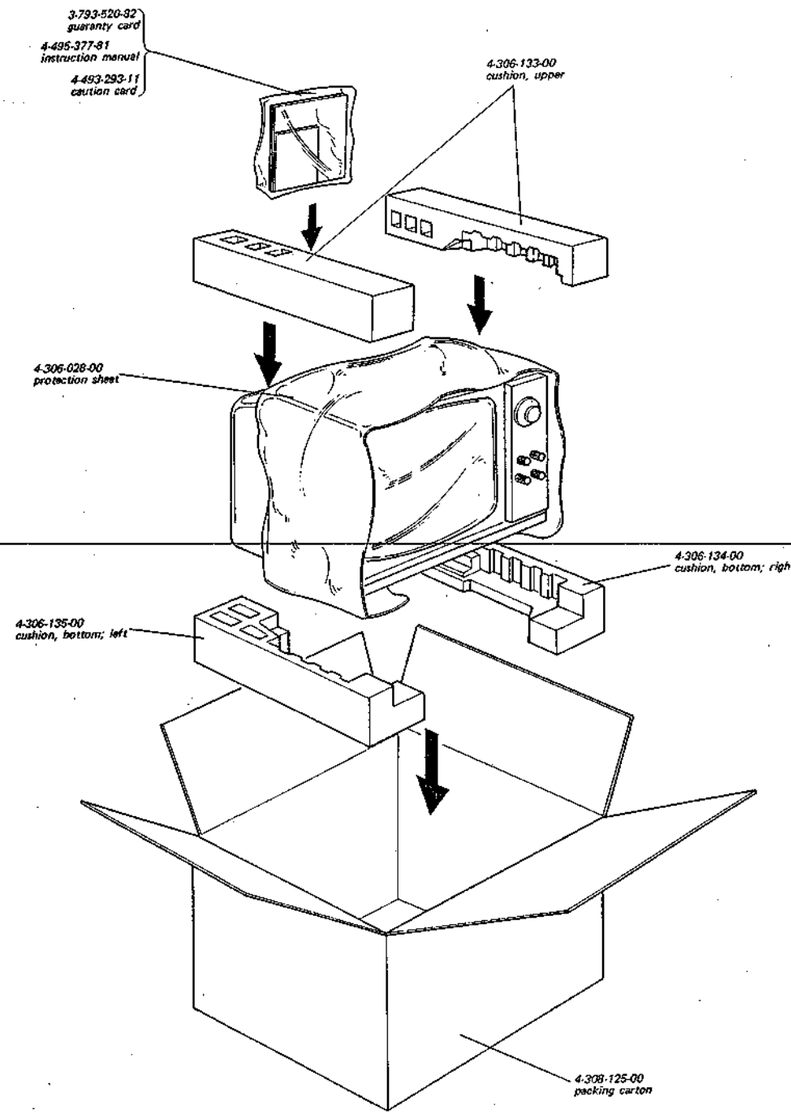
W – Washer
SW – Spring Washer
LW – Lock Washer
N – Nut

– Example –

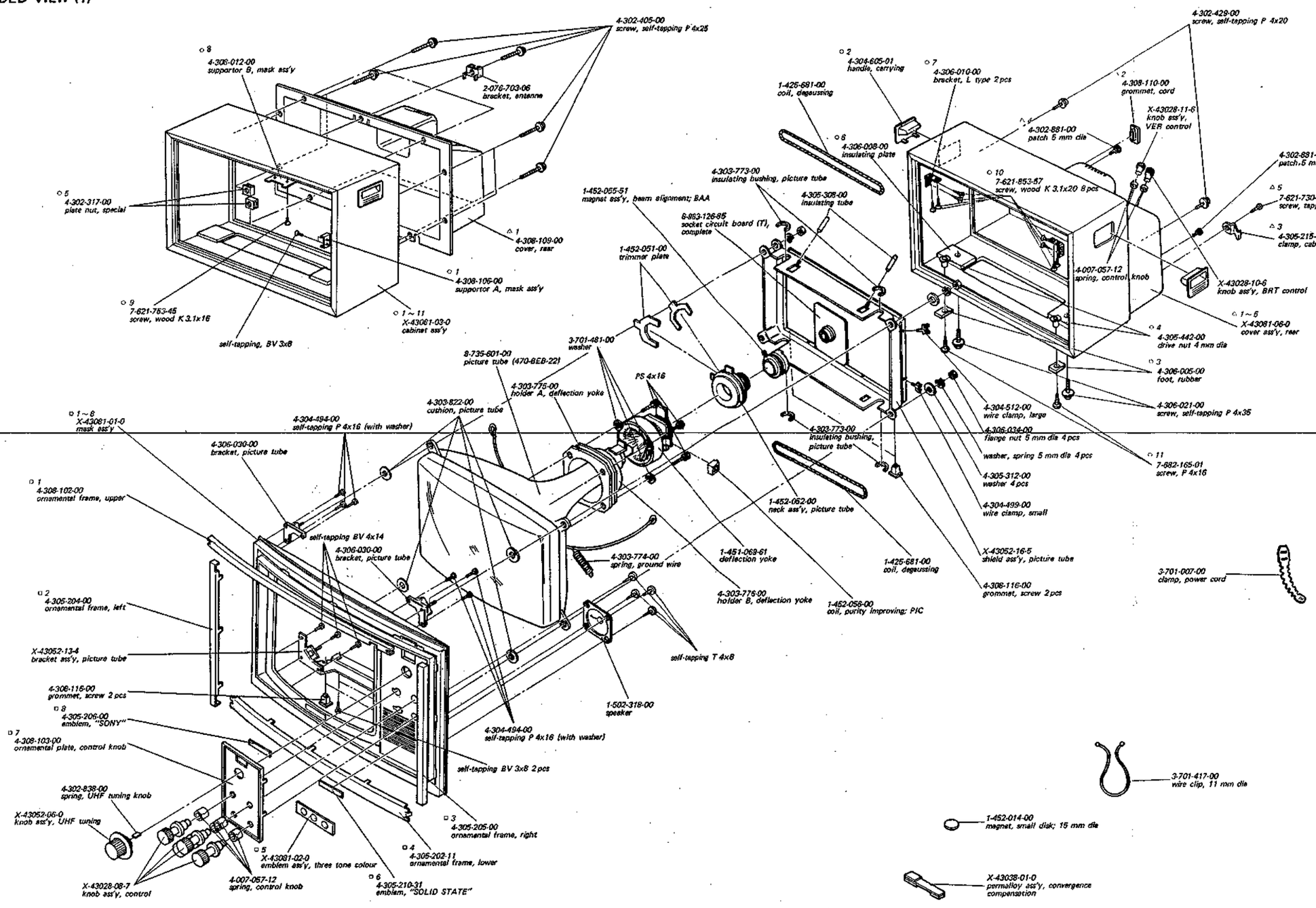
Type of Slot
⊕ P 3x10
Length in mm (L)
Diameter in mm (D)
Type of Head

Note: 1. When ordering replacement parts, use PART NUMBERS shown in EXPLODED VIEWS.
2. All screws are phillips type (cross recess type).

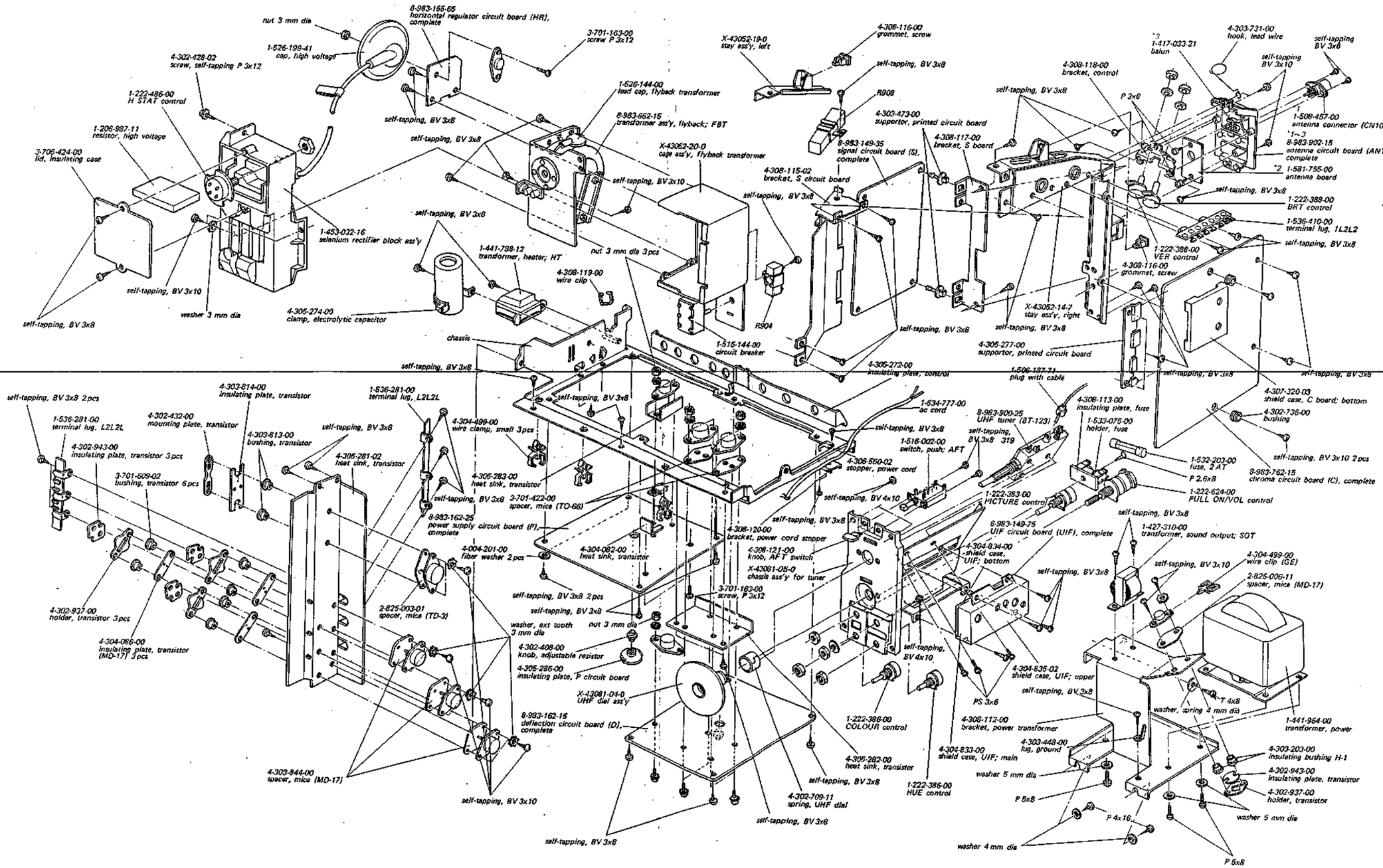
7-2. PACKING



7-3. EXPLODED VIEW (1)



7-4. EXPLODED VIEW (2)



SECTION 8
ELECTRICAL PARTS LIST

Note: When ordering replacement parts, use PART NUMBERS listed in PARTS LIST.
Parts list reference numbers should not be used.

Ref. No.	*Part No.*	*Description*
	CIRCUIT BOARDS AND TUNER	
	8-983-126-85	socket circuit board (T), complete
	8-983-149-35	signal circuit board (S), complete
	8-983-149-75	UIF circuit board (UIF), complete
	8-983-155-65	horizontal regulator circuit board (HR), complete
	8-983-162-15	deflection circuit board (D), complete
	8-983-162-25	power supply circuit board (P), complete
	8-983-762-15	chroma circuit board (C), complete
	8-983-900-25	UHF tuner (BT-123)
	8-983-902-15	antenna circuit board (ANT), complete
	SEMICONDUCTORS	
Q151		transistor 2SC633A or 2SC1364
Q152		transistor 2SC633A or 2SC1364
Q153		transistor 2SC633A or 2SC1364
Q154		transistor 2SA677
Q155		transistor 2SC1127
Q156		transistor 2SA678
Q157		transistor 2SC1127
Q158		transistor 2SA678
Q159		transistor 2SC1127
Q160		transistor 2SA678
Q161		transistor 2SC633A or 2SC1364
Q162		transistor 2SC633A or 2SC1364
Q163		transistor 2SC633A or 2SC1364
Q164		transistor 2SC633A or 2SC1364
Q165		transistor 2SC633A or 2SC1364
Q201		transistor 2SC1129
Q202		transistor 2SC1128
Q203		transistor 2SC1128
Q204		transistor 2SC1364
Q205		transistor 2SC633A or 2SC1364
Q206		transistor 2SC633A or 2SC1364
Q207		transistor 2SC633A or 2SC1364
Q208		transistor 2SA677
Q209		transistor 2SA677
Q210		transistor 2SC633A or 2SC1364
Q301		transistor 2SC403C
Q302		transistor 2SC633A or 2SC1364
Q303		transistor 2SC403C
Q304		transistor 2SC403C
Q305		transistor 2SA678
Q306		transistor 2SC403C
Q307		transistor 2SC403C
Q308		----------
Q309		transistor 2SC403C
Q310		transistor 2SC403C
Q311		transistor 2SC633A or 2SC1364
Q312		transistor 2SC403C
Q313		transistor 2SC403C
Q314		transistor 2SC403C
Q315		transistor 2SC403C
Q316		transistor 2SC403C
Q317		transistor 2SC403C
Q318		transistor 2SC403C
Q319		transistor 2SC633A or 2SC1364
Q320		transistor 2SC403C
Q321		transistor 2SC403C
Q322		transistor 2SC633A or 2SC1364
Q323		transistor 2SC633A or 2SC1364
Q324		transistor 2SC633A or 2SC1364
Q325		transistor 2SC633A or 2SC1364
Q326		transistor 2SA677
Q327		transistor 2SC633A or 2SC1364
Q328		transistor 2SC633A or 2SC1364
Q329		transistor 2SC633A or 2SC1364
Q501		transistor 2SA677
Q502		transistor 2SC1364
Q503		transistor 2SA677
Q504		transistor 2SA677
Q505		transistor 2SD291
Q506		transistor 2SD291
Q507		transistor 2SC1364
Q508		transistor 2SC633A or 2SC1364
Q509		transistor 2SC1364
Q510		transistor 2SC1364
Q511		transistor 2SC867
Q601		transistor 2SC1124
Q602		transistor 2SC926A
Q603		transistor 2SC1124
Q604		transistor 2SD291

Ref. No.	Part No.		Description
Q751		transistor	2SC1128
Q752		transistor	2SC1128
Q801A		transistor	2SC1034
Q801B		transistor	2SC1034
Q802		transistor	2SC1316
Q851		transistor	2SA677
Q852		transistor	2SD291
Q901		transistor	2SC867
Q902		transistor	2SD69A
D151		diode	1T40
D152		diode	1T40
D201		diode	1T261
D202		diode	1T40
D203		diode	1T40
D204		diode	1T261
D301		diode	1T40
D302		diode	1T40
D303		diode	1T40
D304		diode	1T40
D305		diode	1T40
D306		diode	1T40
D307		----------	
D308		----------	
D309		----------	
D310		----------	
D311		diode	1T40
D312		diode	1T40
D313		diode	1T40
D314		diode	1T40
D315		diode	1T40
D316		diode	1T40
D501		diode	1T22A
D502		diode	1T22A
D503		diode	1T40
D504		diode	1T40
D505		diode	1T22A
D506		diode	1T22A
D507		diode	1T22A
D508		diode	1T40
D509		diode	1T40
D510		10D-2	
D601		diode	SA-2 or U05E
D602		diode	SA-2 or U05E
D603		diode	SA-2 or U05E

Ref. No.	Part No.		Description
D604		diode	SA-2 or U05E
D605		diode	MZ-11
D606		diode	S-4C or V11N
D607		diode	SB-2 or V09C
D608		diode	SB-2 or V09C
D609		diode	HFSD-1A
D610		diode	SB-2 or V09C
D611		diode	10D-2
D612		diode	TD-13
D802		diode	SB-2B
IC201	8-759-424-10	IC	AN-241
IC202	1-805-105-00	IC	CX-089D
PR901	1-800-080-00	posistor	
PR902	1-800-080-00	posistor	
SR501	1-800-032-00	varistor	TD-80
Th201	1-800-071-00	thermistor	TH-350
Th301	1-800-059-00	thermistor	TH-200
Th601	1-800-069-00	thermistor	TH-1500

COILS

Ref. No.	Part No.		
L151	1-407-165-00	47 µH	micro inductor
L152		----------	
L153	1-407-165-00	47 µH	micro inductor
L154	1-407-167-00	68 µH	micro inductor
L155	1-409-193-00	4.43 MHz	micro inductor
L156	1-407-557-00	680 µH	micro inductor
L157	1-407-177-00	470 µH	micro inductor
L158	1-407-204-00	6.8 mH	micro inductor
L159	1-407-187-00	5.6 µH	micro inductor
L160	1-407-187-00	5.6 µH	micro inductor
L161	1-407-187-00	5.6 µH	micro inductor
L201	1-409-214-00	coil, wave trap; VIFT-T1 (41.5 MHz)	
L202	1-409-215-00	coil, wave trap; VIFT-T3 (31.5 MHz)	
L203	1-407-184-00	3.3 µH	micro inductor
L204	1-407-184-00	3.3 µH	micro inductor
L205	1-407-184-00	3.3 µH	micro inductor
L206	1-407-184-00	3.3 µH	micro inductor
L207	1-425-504-00	coil, RFC	
L208	1-407-190-00	10 µH	micro inductor
L209	1-407-171-00	150 µH	micro inductor
L210	1-407-187-00	5.6 µH	micro inductor
L211	1-407-158-00	12 µH	micro inductor
L212	1-407-168-00	82 µH	micro inductor

Ref. No.	Part No.		Description
L213	1-407-186-00	4.7 µH	micro inductor
L214	1-407-557-00	680 µH	micro inductor
L301	1-425-671-00	coil, delay adjusting; DAC	
L302	1-407-186-00	4.7 µH	micro inductor
L303	1-407-168-00	82 µH	micro inductor
L304	1-407-161-00	22 µH	micro inductor
L305		----------	
L306	1-407-189-00	8.2 µH	micro inductor
L307	1-407-177-00	470 µH	micro inductor
L308	1-407-189-00	8.2 µH	micro inductor
L410	1-407-159-00	15 µH	micro inductor
L411	1-407-177-00	470 µH	micro inductor
L501	1-407-594-00	33 mH	micro inductor
L502	1-407-646-00	1.5 mH	micro inductor
L601		----------	
L602	1-459-057-00	coil, differential; DFC	
L603		----------	
L604	1-459-056-00	3.9 mH, horizontal centering; HCC	
L605	1-407-194-00	820 µH	micro inductor
L606	1-407-194-00	820 µH	micro inductor
L607	1-407-364-00	3.3 µH	micro inductor
L608	1-407-364-00	3.3 µH	micro inductor
L751	1-417-008-00	balun	
L752	1-407-184-00	3.3 µH	micro inductor
L802		----------	
L803	1-407-364-00	3.3 µH	spook choke
L901	1-425-681-00	coil, degaussing	
L902	1-425-681-00	coil, degaussing	
L906, L908	1-452-055-51	magnet ass'y, beam alignment; BAA	
L907	1-452-056-00	coil, purity improving; PIC	

TRANSFORMERS

Ref. No.	Part No.	Description
T101	1-417-033-00	balun
T201	1-403-728-00	transformer, VIFT-1
T202	1-409-217-00	transformer, VIFT-T2; 33.5 MHz
T203	1-403-729-00	transformer, VIFT-2
T204	1-403-841-00	transformer, VIFT-3
T205	1-403-729-00	transformer, VIFT-4
T206	1-409-218-00	transformer, VIFT-T4; 33.5 MHz
T207	1-403-730-00	transformer, VIFT-5
T208	1-409-216-00	6 MHz, trap coil
T209	1-403-864-00	transformer, SIFT-1
T210	1-403-843-00	transformer, SIFT-3
T211	1-403-810-00	transformer, AFT T-3
T212	1-403-811-00	transformer, AFT T-4
T301	1-425-678-00	transformer, take-off; TOT
T302	1-403-845-00	transformer, band pass; BPT-1
T303	1-425-677-00	transformer, chroma amplifier; CAT-1
T304		----------
T305	1-425-677-00	transformer, chroma amplifier; CAT-2
T306	1-405-372-00	transformer, burst amplifier; BAT-1
T307	1-425-618-00	transformer, cw oscillator; COT-1
T308	1-405-372-00	transformer, burst amplifier; BAT-2
T309	1-405-618-00	transformer, cw oscillator; COT-2
T310	1-425-506-00	transformer, band pass; BPT-2
T311	1-405-372-00	transformer, burst amplifier; BAT-3
T501	1-435-008-00	transformer, vertical blocking oscillator; VBT
T502	1-437-028-00	transformer, horizontal drive; HDT
T602	1-439-078-00	transformer, horizontal output; HOT-1
T751	1-403-807-00	transformer, UIFT-1
T752	1-403-808-00	transformer, UIFT-2
T753	1-403-809-12	transformer, UIFT-3
T801	8-983-662-15	transformer ass'y, flyback; FBT
T901	1-427-310-00	transformer, sound output; SOT
T902	1-441-788-00	transformer, heater; HT
T903	1-441-964-00	transformer, power

CAPACITORS

All capacitors are in µF except as indicated with p, and in 50WV and ceramic unless otherwise specified. p means µµF.

Ref. No.	Part No.			
C101	1-102-238-11	47p	±20%	250WV (ac)
C102	1-102-238-11	47p	±20%	250WV (ac)
C103	1-102-238-11	47p	±20%	250WV (ac)
C104	1-102-238-11	47p	±20%	250WV (ac)
C105	1-121-404-11	33	$\pm^{100}_{10}$%	25WV electrolytic
C106	1-121-398-11	10	$\pm^{100}_{10}$%	25WV electrolytic
C107	1-121-395-11	4.7	$\pm^{150}_{10}$%	25WV electrolytic

Ref. No.	Part No.	Description
C151	1-121-450-11	2.2 ±150/10% 50WV electrolytic
C152	1-102-978-11	220p ±5%
C153	1-102-959-11	22p ±5%
C154	1-102-098-11	470p ±5%
C155	1-102-662-11	7p ±0.25p
C156	1-102-662-11	7p ±0.25p
C157	1-121-450-11	2.2 ±150/10% 50WV electrolytic
C158	1-121-726-11	0.47 ±150/10% 50WV electrolytic
C159	1-121-726-11	0.47 ±150/10% 50WV electrolytic
C160	1-121-422-11	220 ±100/10% 25WV electrolytic
C161	1-123-027-11	2.2 ±100/10% 250WV electrolytic
C162	1-102-098-11	470p ±5%
C163	1-121-398-11	10 ±100/10% 25WV electrolytic
C164	1-102-117-11	820p ±5%
C165	1-102-973-11	100p ±5%
C166		----------
C167	1-101-455-11	1,000p ±5%
C168	1-102-117-11	820p ±5%
C169	1-101-455-11	1,000p ±5%
C170	1-102-117-11	820p ±5%
C171	1-101-455-11	1,000p ±5%
C172	1-102-117-11	820p ±5%
C173	1-101-439-11	680p ±5%
C174	1-101-439-11	680p ±5%
C175	1-102-973-11	100p ±5%
C176	1-101-439-11	680p ±5%
C177	1-102-973-11	100p ±5%
C178	1-101-439-11	680p ±5%
C179	1-121-395-11	4.7 ±150/10% 25WV electrolytic
C201	1-102-662-11	7p ±0.5p
C202	1-102-862-11	3p ±0.25p
C203	1-101-003-11	0.0047 ±100/0%
C204	1-101-003-11	0.0047 ±100/0%
C205	1-102-935-11	2p ±0.25p
C206	1-101-003-11	0.0047 ±100/0%
C207	1-101-003-11	0.0047 ±100/0%
C208	1-101-003-11	0.0047 ±100/0%
C209	1-101-004-11	0.01 ±100/0%
C210	1-101-576-11	1.5p ±0.25p
C211	1-101-003-11	0.0047 ±100/0%
C212	1-101-003-11	0.0047 ±100/0%
C213	1-101-003-11	0.0047 ±100/0%
C214	1-101-552-11	3.5p ±0.25p
C215	1-101-003-11	0.0047 ±100/0%
C216	1-121-402-11	33 ±150/10% 10WV electrolytic
C217	1-101-003-11	0.0047 ±100/0%
C218	1-101-003-11	0.0047 ±100/0%
C219	1-121-402-11	33 ±150/10% 10WV electrolytic
C220	1-102-662-11	7p ±0.5p
C221	1-101-003-11	0.0047 ±100/0%
C222	1-102-935-11	2p ±0.25p
C223	1-101-003-11	0.0047 ±100/0%
C224	1-102-963-11	33p ±5%
C225	1-102-856-11	5p ±0.5p
C226	1-101-003-11	0.0047 ±100/0%
C227	1-102-947-11	10p ±5%
C228	1-101-003-11	0.0047 ±100/0%
C229	1-121-402-11	33 ±150/10% 10WV electrolytic
C230	1-101-003-11	0.0047 ±100/0%
C231	1-121-422-11	220 ±150/10% 25WV electrolytic
C232	1-102-098-11	470p ±20%
C233	1-121-403-11	33 ±150/10% 16WV electrolytic
C234	1-121-402-11	33 ±150/10% 10WV electrolytic
C235	1-121-391-11	1 ±150/10% 50WV electrolytic
C236	1-108-630-11	0.022 ±10% 100WV mylar
C237	1-121-393-11	3.3 ±150/10% 50WV electrolytic
C238	1-121-393-11	3.3 ±150/10% 50WV electrolytic
C239	1-121-403-11	33 ±150/10% 16WV electrolytic
C240	1-102-940-11	3p ±0.5p
C241	1-102-940-11	3p ±0.5p
C242	1-102-947-11	10p ±5%
C243	1-102-951-11	15p ±5%
C244	1-102-942-11	5p ±0.5p
C245	1-102-196-11	0.047 ±100/0%
C246	1-121-403-11	33 ±150/10% 16WV electrolytic
C247	1-102-196-11	0.047 ±100/0%
C248	1-102-666-11	12p ±5%
C249	1-101-004-11	0.01 ±100/0%
C250	1-105-713-12	0.01 ±10% 100WV mylar
C251	1-121-415-11	100 ±150/10% 16WV electrolytic
C252	1-121-391-11	1 ±150/10% 50WV electrolytic
C253	1-121-391-11	1 ±150/10% 50WV electrolytic
C254	1-102-947-11	10p ±5%
C255	1-102-942-11	5p ±0.5p
C256	1-101-003-11	0.0047 ±100/0%
C257	1-101-003-11	0.0047 ±100/0%
C258	1-101-003-11	0.0047 ±100/0%
C259	1-102-043-11	1,000p ±200/0% 500WV
C260	1-101-003-11	0.0047 ±100/0%
C261	1-101-003-11	0.0047 ±100/0%
C262	1-101-576-11	1.5p ±0.25p
C263	1-102-525-11	68p ±5%
C264	1-102-774-11	47p ±5%
C301	1-102-889-11	39p ±5%
C302	1-101-004-11	0.01 ±100/0%
C303	1-101-004-11	0.01 ±100/0%
C304	1-102-941-11	4p ±0.25p
C305	1-121-413-11	100 ±100/10% 6.3WV electrolytic
C306	1-101-006-11	0.047 ±100/0%
C307	1-101-004-11	0.01 ±100/0%
C308		----------
C309	1-102-973-11	100p ±5%

Ref. No.	Part No.	Description
C310	1-102-973-11	100p ±5%
C311	1-101-004-11	0.01 ±100/0%
C312	1-101-004-11	0.01 ±100/0%
C313	1-101-004-11	0.01 ±100/0%
C314	1-101-004-11	0.01 ±100/0%
C315	1-102-676-11	68p ±5%
C316	1-101-004-11	0.01 ±100/0%
C317	1-101-004-11	0.01 ±100/0%
C318	1-101-004-11	0.01 ±100/0%
C319	1-101-004-11	0.01 ±100/0%
C320	1-102-935-11	2p ±0.25p
C321	1-101-004-11	0.01 ±100/0%
C322	1-101-004-11	0.01 ±100/0%
C323	1-101-004-11	0.01 ±100/0%
C330	1-102-959-11	22p ±5%
C331	1-101-004-11	0.01 ±100/0%
C332	1-102-971-11	82p ±5%
C333	1-102-971-11	82p ±5%
C334	1-101-004-11	0.01 ±100/0%
C335	1-102-935-11	2p ±0.25p
C336	1-101-004-11	0.01 ±100/0%
C337	1-101-004-11	0.01 ±100/0%
C338	1-102-978-11	220p ±5%
C339	1-102-973-11	100p ±5%
C340	1-101-006-11	0.047 ±100/0%
C341	1-102-965-11	39p ±5%
C342	1-102-941-11	4p ±0.25p
C343	1-102-676-11	68p ±5%
C344	1-101-006-11	0.047 ±100/0%
C345	1-121-395-11	4.7 ±150/10% 25WV electrolytic
C346	1-101-006-11	0.047 ±100/0%
C347	1-102-936-11	3p ±0.25p
C348	1-102-961-11	27p ±5%
C349	1-102-963-11	33p ±5%
C350	1-102-959-11	22p ±5%
C351	1-101-004-11	0.01 ±100/0%
C352	1-101-004-11	0.01 ±100/0%
C353	1-101-004-11	0.01 ±100/0%
C354	1-101-004-11	0.01 ±100/0%
C355	1-102-959-11	22p ±5%
C356	1-101-884-11	56p ±5%
C357	1-101-004-11	0.01 ±100/0%
C358	1-102-676-11	68p ±5%
C359	1-101-004-11	0.01 ±100/0%
C360	1-102-961-11	27p ±5%
C361	1-102-961-11	27p ±5%
C362	1-102-961-11	27p ±5%
C363	1-102-961-11	27p ±5%
C364	1-102-959-11	22p ±5%
C365		----------
C366	1-102-965-11	39p ±5%
C367	1-102-941-11	4p ±0.25p
C368	1-102-676-11	68p ±5%
C369	1-101-006-11	0.047 ±100/0%
C370	1-121-395-11	4.7 ±150/10% 25WV electrolytic
C371	1-101-006-11	0.047 ±100/0%
C372	1-102-936-11	3p ±0.25p
C373	1-102-961-11	27p ±5%
C374	1-102-963-11	33p ±5%
C375	1-102-959-11	22p ±5%
C376	1-101-004-11	0.01 ±100/0%
C377		----------
C378	1-101-004-11	0.01 ±100/0%
C379	1-101-004-11	0.01 ±100/0%
C380	1-101-004-11	0.01 ±100/0%
C381	1-102-959-11	22p ±5%
C382	1-101-884-11	56p ±5%
C383	1-101-004-11	0.01 ±100/0%
C384	1-102-676-11	68p ±5%
C385	1-101-004-11	0.01 ±100/0%
C386	1-102-961-11	27p ±5%
C387		----------
C388	1-102-978-11	220p ±5%
C389	1-121-403-11	33 ±150/10% 16WV electrolytic
C397	1-121-391-11	1 ±150/10% 50WV electrolytic
C398	1-121-471-11	10 ±100/10% 16WV electrolytic
C399	1-101-006-11	0.047 ±100/0%
C400	1-121-471-11	10 ±100/10% 16WV electrolytic
C401	1-101-002-11	0.0022 ±100/0%
C402	1-101-004-11	0.01 ±100/0%
C403	1-101-004-11	0.01 ±100/0%
C404	1-121-471-11	10 ±100/10% 16WV electrolytic
C405	1-101-006-11	0.047 ±100/0%
C406	1-102-947-11	10p ±5%
C407	1-101-004-11	0.01 ±100/0%
C408	1-102-863-11	82p ±5%
C409	1-102-679-11	120p ±5%
C410	1-101-006-11	0.047 ±100/0%
C411	1-102-961-11	27p ±5%
C412	1-102-961-11	27p ±5%
C413	1-102-959-11	22p ±5%
C414		----------
C415	1-102-973-11	100p ±5%
C416	1-101-006-11	0.047 ±100/0%
C417	1-102-941-11	4p ±0.25p
C418	1-102-676-11	68p ±5%
C419	1-101-004-11	0.01 ±100/0%
C420	1-105-725-12	0.1 ±10% 100WV mylar
C421	1-101-004-11	0.01 ±100/0%
C422	1-105-681-12	0.047 ±10% 50WV mylar
C423	1-101-004-11	0.01 ±100/0%
C424	1-101-004-11	0.01 ±100/0%

Ref. No.	Part No.	Description
C425	1-121-471-11	10 ±100/10% 16WV electrolytic
C426	1-102-973-11	100p ±5%
C427	1-121-471-11	10 ±100/10% 16WV electrolytic
C428	1-106-172-12	0.001 ±5% 100WV mylar
C429	1-102-973-11	100p ±5%
C430	1-106-184-12	0.0033 ±5% 100WV mylar
C431	1-106-172-12	0.001 ±5% 100WV mylar
C432	1-101-003-11	0.0047 ±100/0%
C433	1-121-391-11	1 ±150/10% 50WV electrolytic
C434	1-105-723-12	0.068 ±10% 100WV mylar
C501	1-121-395-11	4.7 ±150/10% 25WV electrolytic
C502	1-121-819-11	4.7 ±30% 50WV electrolytic
C503	1-105-713-12	0.01 ±10% 100WV mylar
C504	1-105-713-12	0.01 ±10% 100WV mylar
C505	1-121-395-11	4.7 ±150/10% 25WV electrolytic
C506	1-131-158-12	10 ±20% 16WV tantalum
C507	1-121-986-11	2.2 ±20% 50WV solid aluminum electrolytic
C508	1-121-415-11	100 ±100/10% 16WV electrolytic
C509	1-105-717-12	0.022 ±10% 100WV mylar
C510	1-121-404-11	33 ±100/10% 25WV electrolytic
C511	1-121-814-11	470 ±50/10% 25WV electrolytic
C512	1-121-972-11	220 ±20% 16WV electrolytic
C513	1-121-361-11	470 ±100/10% 35WV electrolytic
C514	----------	----------
C515	1-121-812-11	470 ±100/10% 35WV electrolytic
C516	1-121-391-11	1 ±150/10% 50WV electrolytic
C517	1-105-725-12	0.1 ±10% 100WV mylar
C518	1-102-947-11	10p ±5%
C519	1-105-719-12	0.033 ±10% 100WV mylar
C520	1-105-719-12	0.033 ±10% 100WV mylar
C521	1-121-410-11	47 ±100/10% 25WV electrolytic
C522	1-121-391-11	1 ±150/10% 50WV electrolytic
C523	1-105-721-12	0.047 ±10% 100WV mylar
C524	1-102-989-11	68p ±5%
C525	1-121-395-11	4.7 ±150/10% 25WV electrolytic
C526	1-105-725-12	0.1 ±10% 100WV mylar
C527	1-106-212-12	0.047 ±5% 100WV mylar
C528	1-106-188-12	0.0047 ±5% 100WV mylar
C529	1-106-184-12	0.0033 ±5% 100WV mylar
C530	1-105-725-12	0.1 ±10% 100WV mylar
C531	1-121-921-11	10 ±100/10% 160WV electrolytic
C532	1-102-038-11	0.001 ±100/0% 500WV
C533	----------	----------
C534	1-121-392-11	3.3 ±150/10% 25WV electrolytic
C535	1-121-246-11	4.7 ±100/10% 160WV electrolytic
C536	1-102-157-11	560p ±10% 500WV
C537	1-102-978-11	220p ±5%
C538	1-121-819-11	4.7 ±30% 50WV electrolytic
C539	1-121-391-11	1 ±150/10% 50WV electrolytic
C540	1-102-816-11	120p ±5%
C541	1-102-816-11	120p ±5%
C601	----------	----------
C602	1-102-085-11	0.0047 ±20% 500WV (dc)
C603	1-102-085-11	0.0047 ±20% 500WV (dc)
C604	1-102-085-11	0.0047 ±20% 500WV (dc)
C605	1-102-085-11	0.0047 ±20% 500WV (dc)
C606	1-121-246-11	4.7 ±150/10% 160WV electrolytic
C607	1-129-702-11	0.001 ±10% 630WV polypropylene
C608	1-121-986-11	2.2 ±20% 50WV electrolytic
C609	----------	----------
C610	1-121-398-11	10 ±100/10% 25WV electrolytic
C611	1-121-708-11	10 ±100/10% 150WV electrolytic
C612	1-108-546-11	1.5 ±10% 400WV mylar
C613	1-105-725-13	0.1 ±10% 100WV mylar
C614	1-121-246-11	4.7 ±150/10% 160WV electrolytic
C615	1-121-361-11	470 ±100/10% 35WV electrolytic
C616	1-123-024-11	33 160WV electrolytic
C617	1-105-753-12	0.01 ±10% 200WV mylar
C618	1-105-753-12	0.01 ±10% 200WV mylar
C619	1-121-361-11	470 ±100/10% 35WV electrolytic
C620	1-102-155-11	330p ±20% 2kWV
C651	1-102-223-11	0.0047 ±20% 1.6kWV
C652	1-102-223-11	0.0047 ±20% 1.6kWV
C653	----------	----------
C654	1-102-223-11	0.0047 ±20% 1.6kWV
C655	----------	----------
C656	----------	----------
C657	1-119-242-11	1 ±150/10% 500WV electrolytic
C751	1-102-043-11	1,000p ±200/0% 500WV
C752	1-121-404-11	33 ±100/10% 25WV electrolytic
C753	1-102-102-11	0.0047 ±20%
C754	1-102-102-11	0.0047 ±20%
C755	1-102-102-11	0.0047 ±20%
C756	1-102-942-11	5p ±0.5p
C757	1-102-102-11	0.0047 ±20%
C758	1-102-937-11	4p ±0.25p
C759	1-102-102-11	0.0047 ±20%
C760	1-102-102-11	0.0047 ±20%
C761	1-102-102-11	0.0047 ±20%
C762	----------	----------
C763	1-102-102-11	0.0047 ±20%
C801	1-105-719-12	0.033 ±10% 100WV mylar
C802	1-129-783-11	0.016 1.5kWV polypropylene
C803	1-129-865-11	0.02 ±5% 1kWV polyethylene
C804	1-102-153-11	100p ±20% 2kWV
C805	----------	----------
C806	1-121-813-11	1.5 ±20% 50WV electrolytic
C807	1-101-810-11	100p ±5% 500WV

Ref. No.	Part No.	Description
C808	1-102-816-11	120p ±5%
C851	1-121-421-11	220 ±100/10% 16WV electrolytic
C852	1-121-951-11	0.47 ±20% 50WV electrolytic
C901	1-108-747-22	0.1 ±10% 300WV mylar
C902	1-125-077-21	560+10+10 160WV electrolytic
C903	----------	----------
C904	----------	----------
C905	1-105-795-13	0.015 ±10% 400WV mylar
VC201	1-141-138-00	1~5p trimmer
SG651	1-519-030-00	spark gap
SG652	1-519-030-00	spark gap
SG653	1-519-030-00	spark gap
SG654	1-519-030-00	spark gap
SG655	1-519-030-00	spark gap
SG656	1-519-030-00	spark gap
SG657	1-519-030-00	spark gap
SG658	1-519-030-00	spark gap
SG659	1-519-030-00	spark gap

RESISTORS

All resistors are in Ω, carbon, ±5% and ⅛W, unless otherwise specified.

Ref. No.	Part No.	Description
R151	1-244-685-11	3.3 k
R152	1-244-665-11	470
R153	1-244-679-11	1.8 k
R154	1-244-657-11	220
R155	1-244-661-11	330
R156	1-244-681-11	2.2 k
R157	1-244-673-11	1 k
R158	1-244-661-11	330
R159	1-244-673-11	1 k
R160	1-244-687-11	3.9 k
R161	1-244-709-11	33 k
R162	1-244-709-11	33 k
R163	1-244-713-11	47 k
R164	1-244-705-11	22 k
R165	1-244-729-11	220 k
R166	----------	----------
R167	1-244-677-11	1.5 k
R168	1-244-657-11	220
R169	1-244-649-11	100
R170	1-244-709-11	33 k
R171	1-244-733-11	330 k
R172	1-244-693-11	6.8 k
R173	1-244-681-11	2.2 k
R174	1-206-690-11	12 k 2W metal oxide
R175	1-244-683-11	2.7 k
R176	----------	----------
R177	1-244-659-11	270
R178	1-206-690-11	12 k 2W metal oxide
R179	1-244-683-11	2.7 k
R180	----------	----------
R181	1-244-659-11	270
R182	1-206-690-11	12 k 2W metal oxide
R183	1-244-683-11	2.7 k
R184	----------	----------
R185	1-244-659-11	270
R186	1-244-653-11	150
R187	1-244-673-11	1 k
R188	1-244-705-11	22 k
R189	1-244-673-11	1 k
R190	1-244-705-11	22 k
R191	1-244-721-11	100 k
R192	1-244-721-11	100 k
R193	1-244-897-11	10 k ½W
R194	1-244-699-11	12 k
R195	1-244-693-11	6.8 k
R201	1-244-622-11	7.5
R202	1-244-637-11	33
R203	1-244-617-11	4.7
R204	1-244-637-11	33
R205	1-244-663-11	390
R206	1-244-675-11	1.2 k
R207	1-244-665-11	470
R208	1-244-679-11	1.8 k
R209	1-244-695-11	8.2 k
R210	1-244-663-11	390
R211	1-244-687-11	3.9 k
R212	1-244-667-11	560
R213	1-244-687-11	3.9 k
R214	1-244-679-11	1.8 k
R215	1-244-689-11	4.7 k
R216	1-244-667-11	560
R217	1-242-657-11	220
R218	1-244-693-11	6.8 k
R219	1-244-675-11	1.2 k
R220	1-244-693-11	6.8 k
R221	1-244-669-11	680
R222	1-244-673-11	1 k
R223	1-244-699-11	12 k
R224	1-244-661-11	330
R225	1-244-669-11	680
R226	1-244-665-11	470
R227	1-244-697-11	10 k
R228	1-244-649-11	100
R229	1-244-673-11	1 k

Ref. No.	Part No.		Description
R230	1-244-691-11	5.6 k	
R231	1-244-659-11	270	
R232	1-244-697-11	10 k	
R233	1-244-673-11	1 k	
R234	1-244-657-11	220	
R235	1-244-677-11	1.5 k	
R236	1-244-649-11	100	
R237	1-244-649-11	100	
R238	1-244-721-11	100 k	
R239	1-244-689-11	4.7 k	
R240	1-244-683-11	2.7 k	
R241	1-244-665-11	470	
R242	1-244-707-11	27 k	
R243	1-244-658-11	240	
R244	1-244-662-11	360	
R245	1-244-663-11	390	
R246	1-244-697-11	10 k	
R247	1-244-673-11	1 k	
R248	1-244-683-11	2.7 k	
R249	1-244-705-11	22 k	
R250	1-244-649-11	100	
R251		----------	
R252		----------	
R253		----------	
R254		----------	
R255	1-244-649-11	100	
R256	1-244-697-11	10 k	
R257	1-244-699-11	12 k	
R258	1-244-673-11	1 k	
R259	1-244-689-11	4.7 k	
R260	1-217-025-11	33	3W cement coated
R261	1-217-027-11	47	3W cement coated
R262		----------	
R263	1-244-857-11	220	½W
R264	1-244-859-11	270	½W
R265	1-244-685-11	3.3 k	
R266	1-244-673-11	1 k	
R267	1-244-673-11	1 k	
R268	1-244-709-11	33 k	
R300	1-244-673-11	1 k	
R301	1-244-679-11	1.8 k	
R302	1-244-669-11	680	
R303	1-244-695-11	8.2 k	
R304	1-244-685-11	3.3 k	
R305	1-244-655-11	180	
R306	1-244-669-11	680	
R307	1-244-681-11	2.2 k	
R308	1-244-653-11	150	
R309	1-244-693-11	6.8 k	
R310	1-244-693-11	6.8 k	
R311	1-244-697-11	10 k	

Ref. No.	Part No.		Description
R312	1-244-705-11	22 k	
R313	1-244-657-11	220	
R314	1-244-677-11	1.5 k	
R315	1-244-653-11	150	
R316	1-244-653-11	150	
R317	1-244-653-11	150	
R318	1-244-705-11	22 k	
R319	1-244-699-11	12 k	
R320	1-244-671-11	820	
R321	1-244-645-11	68	
R322	1-244-661-11	330	
R323	1-244-673-11	1 k	
R324	1-244-657-11	220	
R325	1-244-657-11	220	
R326	1-244-653-11	150	
R327	1-244-701-11	15 k	
R328	1-244-693-11	6.8 k	
R329	1-244-665-11	470	
R330	1-244-649-11	100	
R331	1-244-653-11	150	
R332	1-244-701-11	15 k	
R333	1-244-653-11	150	
R334	1-244-653-11	150	
R335	1-244-697-11	10 k	
R336	1-244-673-11	1 k	
R337		----------	
R338		----------	
R339		----------	
R340		----------	
R341	1-244-635-11	27	
R342	1-244-657-11	220	
R343	1-244-701-11	15 k	
R344	1-244-693-11	6.8 k	
R345	1-244-637-11	33	
R346	1-244-665-11	470	
R347	1-244-693-11	6.8 k	
R348	1-244-701-11	15 k	
R349	1-244-693-11	6.8 k	
R350	1-244-697-11	10 k	
R351	1-244-673-11	1 k	
R352	1-244-697-11	10 k	
R353	1-244-681-11	2.2 k	
R354	1-244-661-11	330	
R355	1-244-663-11	390	
R356	1-244-681-11	2.2 k	
R357		----------	
R358	1-244-657-11	220	
R359	1-244-701-11	15 k	
R360	1-244-685-11	3.3 k	
R361	1-244-653-11	150	
R362	1-244-675-11	1.2 k	
R363	1-244-637-11	33	

Ref. No.	Part No.		Description
R364	1-244-661-11	330	
R365	1-244-633-11	22	
R366	1-244-701-11	15 k	
R367	1-244-685-11	3.3 k	
R368	1-244-653-11	150	
R369	1-244-675-11	1.2 k	
R370	1-244-637-11	33	
R371	1-244-661-11	330	
R372	1-244-709-11	33 k	
R373	1-244-681-11	2.2 k	
R374	1-244-659-11	270	
R375	1-244-649-11	100	
R376	1-244-661-11	330	
R377	1-244-661-11	330	
R378	1-244-689-11	4.7 k	
R379	1-244-689-11	4.7 k	
R380	1-244-673-11	1 k	
R381	1-244-673-11	1 k	
R382	1-244-697-11	10 k	
R383	1-244-681-11	2.2 k	
R384	1-244-661-11	330	
R385	1-244-663-11	390	
R386	1-244-701-11	15 k	
R387	1-244-685-11	3.3 k	
R388	1-244-653-11	150	
R389	1-244-637-11	33	
R390	1-244-661-11	330	
R391	1-244-675-11	1.2 k	
R392	1-244-701-11	15 k	
R393	1-244-685-11	3.3 k	
R394	1-244-653-11	150	
R395	1-244-675-11	1.2 k	
R396	1-244-637-11	33	
R397	1-244-661-11	330	
R398	1-244-709-11	33 k	
R399	1-244-681-11	2.2 k	
R400	1-244-659-11	270	
R401	1-244-649-11	100	
R402	1-244-681-11	2.2 k	
R403	1-244-671-11	820	
R404	1-244-651-11	120	
R405	1-244-669-11	680	
R406	1-244-673-11	1 k	
R407	1-244-673-11	1 k	
R408	1-244-673-11	1 k	
R415	1-244-667-11	560	
R416	1-244-701-11	15 k	
R417	1-244-715-11	56 k	
R418	1-244-695-11	8.2 k	
R419	1-244-681-11	2.2 k	
R420	1-244-625-11	10	

Ref. No.	Part No.		Description
R421	1-244-663-11	390	
R422	1-244-713-11	47 k	
R423	1-244-673-11	1 k	
R424	1-244-707-11	27 k	
R425	1-244-653-11	150	
R426	1-244-683-11	2.7 k	
R427	1-244-637-11	33	
R428	1-244-661-11	330	
R429	1-244-653-11	150	
R430	1-244-685-11	3.3 k	
R431	1-244-675-11	1.2 k	
R432	1-244-657-11	220	
R433	1-244-665-11	470	
R434	1-244-673-11	1 k	
R435	1-244-661-11	330	
R436	1-244-661-11	330	
R437	1-244-689-11	4.7 k	
R438	1-244-689-11	4.7 k	
R439	1-244-673-11	1 k	
R440	1-244-661-11	330	
R441	1-244-715-11	56 k	
R442	1-244-713-11	47 k	
R443	1-244-661-11	330	
R444	1-244-669-11	680	
R445	1-244-681-11	2.2 k	
R446	1-244-653-11	150	
R447	1-244-661-11	330	
R448	1-244-701-11	15 k	
R449	1-244-709-11	33 k	
R450	1-244-709-11	33 k	
R451	1-244-661-11	330	
R452	1-244-681-11	2.2 k	
R453	1-244-715-11	56 k	
R454	1-244-705-11	22 k	
R455	1-244-709-11	33 k	
R456	1-244-697-11	10 k	
R457	1-244-681-11	2.2 k	
R458	1-244-685-11	3.3 k	
R459	1-244-659-11	270	
R460	1-244-697-11	10 k	
R461	1-244-685-11	3.3 k	
R462	1-244-697-11	10 k	
R463	1-244-713-11	47 k	
R464	1-244-649-11	100	
R465	1-244-697-11	10 k	
R466	1-244-725-11	150 k	
R467	1-244-697-11	10 k	
R468	1-244-697-11	10 k	
R469	1-244-697-11	10 k	
R470	1-244-709-11	33 k	
R471	1-244-709-11	33 k	
R472	1-244-661-11	330	

Ref. No.	Part No.			Description
R473	1-244-685-11	3.3 k		
R474	1-244-685-11	3.3 k		
R475	1-244-709-11	33 k		
R476	1-244-705-11	22 k		
R501	1-244-910-11	36 k	½W	
R502	1-244-705-11	22 k		
R503	1-244-707-11	27 k		
R504	1-244-699-11	12 k		
R505	1-244-637-11	33		
R506		----------		
R507	1-244-697-11	10 k		
R508	1-244-685-11	3.3 k		
R509	1-244-625-11	10		
R510	1-244-691-11	5.6 k		
R511	1-244-643-11	56		
R512	1-244-681-11	2.2 k		
R513	1-244-679-11	1.8 k		
R514	1-244-691-11	5.6 k		
R515	1-244-705-11	22 k		
R516	1-244-705-11	22 k		
R517	1-244-677-11	1.5 k		
R518	1-244-701-11	15 k		
R519	1-244-621-11	6.8		
R520	1-207-459-11	0.47	½W	wirewound
R521	1-244-683-11	2.7 k		
R522	1-207-467-11	2.2	½W	wirewound
R523	1-244-685-11	3.3 k		
R524	1-244-691-11	5.6 k		
R525	1-244-689-11	4.7 k		
R526	1-244-849-11	100	½W	
R527	1-206-479-11	47	2W	metal oxide
R528	1-244-649-11	100		
R529	1-206-646-11	180	2W	metal oxide
R530	1-244-869-11	680	½W	
R531		----------		
R532		----------		
R533	1-244-701-11	15 k		
R534	1-244-665-11	470		
R535	1-244-663-11	390		
R536	1-244-857-11	220	½W	
R537	1-244-687-11	3.9 k		
R538	1-244-687-11	3.9 k		
R539	1-244-701-11	15 k		
R540	1-244-703-11	18 k		
R541	1-206-670-11	1.8 k	2W	metal oxide
R542	1-202-595-11	8.2 k	½W	composition
R543	1-244-677-11	1.5 k		
R544	1-244-697-11	10 k		
R545	1-244-673-11	1 k		
R546	1-244-673-11	1 k		
R547	1-244-695-11	8.2 k		

Ref. No.	Part No.			Description
R548	1-244-669-11	680		
R549	1-244-685-11	3.3 k		
R550	1-244-695-11	8.2 k		
R551	1-244-669-11	680		
R552	1-244-649-11	100		
R553	1-244-641-11	47		
R554	1-211-940-11	1.2 k		
R555	1-211-935-11	1 k		
R556		----------		
R447		----------		
R558		----------		
R559	1-202-525-11	10	½W	composition
R560		----------		
R561	1-206-479-11	47	2W	metal oxide
R601		----------		
R602		----------		
R603	1-211-931-11	68	⅛W	
R604	1-244-829-11	15	½W	
R605	1-202-639-31	560 k	½W	composition
R606	1-244-683-11	2.7 k		
R607	1-244-905-11	22 k	½W	composition
R608	1-202-625-31	150 k	½W	composition
R609	1-244-907-11	27 k	½W	composition
R610	1-244-881-11	2.2 k	½W	
R611	1-244-917-11	68 k	½W	
R612	1-217-007-11	1	3W	cement coated
R613	1-202-605-31	22 k	½W	composition
R614		----------		
R615		----------		
R616	1-244-673-11	1 k		
R617	1-244-717-11	68 k		
R618	1-209-177-21	22 k	1W	
R619	1-206-735-11	2.7 k	3W	metal oxide
R620	1-244-863-11	390	½W	
R621		----------		
R622	1-207-903-13	10	0.25A	fuse
* R623	1-206-709-11	220	3W	metal oxide
* R623	1-206-711-11	270	3W	metal oxide
* R623	1-206-713-11	330	3W	metal oxide
R630	1-244-649-11	100		
R631	1-244-683-11	2.7 k		
R632	1-244-685-11	3.3 k		
R633	1-244-685-11	3.3 k		
R634	1-244-837-11	33	½W	
R635	1-211-431-11	150	⅛W	
R651	1-202-637-11	470 k	½W	composition
R652	1-202-609-31	33 k	½W	composition
R653	1-202-609-31	33 k	½W	composition
R654	1-202-609-31	33 k	½W	composition

Ref. No.	Part No.			Description
R655	1-202-637-11	470 k	½W	composition
R656	1-202-629-31	220 k	½W	composition
R657	1-202-585-11	3.3 k	½W	composition
R658	1-202-585-11	3.3 k	½W	composition
R659	1-202-685-11	3.3 k	½W	composition
R660	1-202-573-11	1 k	½W	composition
R661	1-202-625-31	150 k	½W	composition
R662	1-202-625-31	150 k	½W	composition
R751	1-244-679-11	1.8 k		
R752	1-244-696-11	9.1 k		
R753	1-244-667-11	560		
R754	1-244-661-11	330		
R755	1-244-685-11	3.3 k		
R756	1-244-685-11	3.3 k		
R757	1-244-697-11	10 k		
R758	1-244-679-11	1.8 k		
R759	1-244-635-11	27		
R760	1-244-667-11	560		
R761	1-244-685-11	3.3 k		
R762	1-244-649-11	100		
R763	1-244-653-11	150		
R801	1-244-696-11	9.1 k		
R802		----------		
R803	1-217-007-11	1	3W	cement coated
R804	1-217-007-11	1	3W	cement coated
R805	1-207-645-11	0.47	3W	wirewound
R806		----------		
* R807	1-217-005-11	0.68	3W	cement coated
* R807	1-217-008-11	1.2	3W	cement coated
* R807	1-217-010-11	1.8	3W	cement coated
* R808	1-217-018-11	8.2	3W	cement coated
* R808	1-217-020-11	12	3W	cement coated
* R808	1-217-021-11	15	3W	cement coated
* R808	1-217-022-11	18	3W	cement coated
R851	1-217-119-11	33	7W	cement coated
R852	1-217-017-11	6.8	3W	cement coated
R853	1-244-689-11	4.7 k		
R854	1-244-665-11	470		
R855	1-244-633-11	22		
R901	1-244-643-11	56		
R902	1-244-889-11	4.7 k	½W	
R903	1-244-889-11	4.7 k	½W	
R904	1-205-478-11	270	20W	cement coated
R905		----------		
R906		----------		
R907		----------		

Ref. No.	Part No.			Description
R908	1-205-477-11	100	40W	cement coated
R909		----------		
R910	1-202-668-11	9.1 M	½W	composition
R911	1-207-960-11	15	7W	wirewound
R912	1-244-661-11	330		
R920	1-202-668-11	9.1 M	½W	composition
VR151	1-222-515-00	330-B, adjustable; B DRIVE		
VR152	1-222-515-00	330-B, adjustable; G DRIVE		
VR153	1-222-515-00	330-B, adjustable; R DRIVE		
VR201	1-222-516-00	470-B, adjustable; TU AGC		
VR202	1-222-516-00	470-B, adjustable; TRAP adj		
VR203	1-222-517-00	1 k-B, adjustable; IF AGC		
VR301	1-222-516-00	470-B, adjustable; EQ GAIN		
VR302	1-222-516-00	470-B, adjustable; MIX adj		
VR303	1-222-518-00	4.7 k-B, adjustable; HUE adj		
VR304	1-222-517-00	1 k-B, adjustable; KILLER		
VR305	1-222-785-00	2.2 k-B, adjustable; ID AGC		
VR306	1-222-518-00	4.7 k-B, adjustable; PULSE PHASE		
VR501	1-222-725-00	20 k-B, adjustable; V SIZE		
VR502	1-222-512-00	10 k-B, adjustable; V LIN		
VR503		----------		
VR504	1-223-019-00	300-B 3W, adjustable; V CENT		
VR505	1-222-725-00	20 k-B, adjustable; H FREQ		
VR601	1-222-785-00	2.2 k-B, adjustable; +110V adj		
VR602	1-221-961-00	250 k-B, adjustable; R BKG		
VR603	1-221-961-00	250 k-B, adjustable; G BKG		
VR604	1-221-961-00	250 k-B, adjustable; B BKG		
VR605	1-222-780-00	500 k-B, adjustable; SCRN		
VR606	1-222-787-00	10 k-B, adjustable; PIN adj		
VR607		----------		
VR608	1-222-344-00	5 k-B, adjustable; H SIZE		
VR609	1-223-020-00	50-B, adjustable; H CENT		
VR801	1-222-486-00	1 M-B, variable resistor H STAT; included in selenium rectifier block ass'y		
VR901	1-222-388-00	20 k-B, variable; BRT		
VR902	1-222-388-00	20 k-B, variable; VER		
VR903	1-222-383-00	1 k-B, variable; PICTURE		
VR904	1-222-624-00	50 k-B, variable; PULL ON/VOL		
VR905	1-222-386-00	500-B, variable; COLOUR		
VR906	1-222-386-00	500-B, variable; HUE		

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SONY®

NEW

- 2. April 1973

Complete Spare Parts List

TRINITRON® COLOUR TV

Model KV-1800UB

Revised

- 2. April 1973

IMPORTANT

When ordering parts, be sure to furnish the following information:

1. Part Number
2. Model Number
3. Description as contained in this parts list

Due to our use of an electronic data processing system, your orders are processed by the PART NUMBER specified by you.

Please order carefully-wrong part numbers result in wrong parts.

NOTE: Prices are subject to change without notice.

SONY CORPORATION

COMPLETE SPARE PARTS LIST CHANGE NOTICE

MODEL KV-1800UB (TRINITRON® COLOUR TV)

(Production change, ~~correction, addition, deletion~~)

is done onto this parts list.

Replace the former copy with this new one. Refer to this parts list when you order the service parts.

SONY CORPORATION

COMPLETE SPARE PARTS LIST FOR KV-1800UB

FEBRUARY, 1973

Part No.	Description	Unit Price
	I. MECHANICAL PARTS	
	All screws are phillips type (cross recess type).	
X-43028-08-7	Knob Ass'y, control; including	$0.19
4-007-057-12	Spring, control knob	0.01
X-43028-10-6	Knob Ass'y, BRT control; including	0.07
4-007-057-12	Spring, control knob	0.01
X-43028-11-6	Knob Ass'y, VER control; including	0.07
4-007-057-12	Spring, control knob	0.01
X-43029-12-0	Shield Cap Ass'y	0.02
X-43038-01-0	Permalloy Ass'y, convergence compensation	0.07
X-43052-06-0	Knob Ass'y, UHF tuning; including	0.25
4-302-838-00	Spring, UHF tuning knob	0.02
X-43052-13-4	Bracket Ass'y, picture tube	0.83
X-43052-14-7	Stay Ass'y, right (Serial No. up to 33,300)	0.41
X-43052-14-8	Stay Ass'y, right (Serial No. 33,301 and later)	0.41
X-43052-16-5	Shield Ass'y, picture tube	0.86
X-43052-19-0	Stay Ass'y, left	0.09
X-43052-20-2	Cage Ass'y, flyback transformer (Serial No. up to 33,300)	0.23
X-43052-20-3	Cage Ass'y, flyback transformer (Serial No. 33,301 and later)	0.20
X-43081-01-0	Mask Ass'y; including	6.16
4-305-202-11	Ornamental Frame, lower	1.23
4-305-204-00	Ornamental Frame, left	0.65
4-305-205-00	Ornamental Frame, right	0.65
4-305-206-00	Fmblem, SONY	0.10
4-305-210-31	Emblem, SOLID STATE	0.02
4-308-102-00	Ornamental Frame, upper	0.63
4-308-103-00	Ornamental Plate, control knob	0.35
X-43081-02-0	Emblem Ass'y, three tone colour	0.13
X-43081-03-1	Cabinet Ass'y; including (Serial No. up to 33,300)	7.69
X-43081-03-2	Cabinet Ass'y; including (Serial No.33,301 and later)	7.69
4-302-317-00	Plate Nut, special	0.02
4-304-605-01	Handle, carrying	0.10
4-305-442-00	Drive Nut 4 mm dia	0.01
4-306-005-00	Foot, rubber	0.13
4-306-008-00	Insulating Plate	0.04
4-306-010-00	Bracket, L type	0.03
4-308-012-00	Supporter B, mask ass'y	0.03
4-308-106-00	Supporter A, mask ass'y	0.02
7-621-753-45	Screw, wood K 3.1 x 16	0.11/100

Part No.	Description	Unit Price
7-621-853-57	Screw, wood K 3.1 x 20	$0.30/100
7-682-165-01	Screw P 4 x 16	0.16/100
X-43081-04-0	UHF Dial Ass'y; including	0.15
4-302-709-11	Spring, UHF dial	0.02
X-43081-05-0	Chassis Ass'y for Tuner	0.28
X-43081-06-0	Cover Ass'y, rear; including	2.07
4-302-881-00	Patch 5 mm dia	0.01
4-305-215-00	Clamp, cable	0.02
4-308-109-00	Cover, rear	1.78
4-308-110-00	Grommet, cord	0.01
7-621-730-54	Screw, self-tapping BV 3 x 8	0.43/100
2-076-703-06	Bracket, antenna	0.08
2-825-003-01	Spacer, mica (TD-3)	0.03
2-825-006-11	Spacer, mica (MD-17)	0.01
3-701-007-00	Clamp, power cord	0.01
3-701-163-00	Screw, self-tapping P 3 x 12 (with washer)	0.01
3-701-417-00	Wire Clip, 11 mm dia	0.01
3-701-422-00	Spacer, mica (TO-66)	0.02
3-701-481-00	Washer	0.01
3-701-609-02	Bushing, transistor	0.01
3-705-424-00	Lid, insulating case	0.17
4-004-201-00	Fiber Washer	0.01
4-007-057-12	Spring, control knob	0.01
4-302-317-00	Plate Nut, special	0.02
4-302-344-03	Terminal, check	0.01
4-302-405-00	Screw, self-tapping P 4 x 20 (with washer)	0.01
4-302-408-00	Knob, adjustable resistor	0.01
4-302-428-02	Screw, self-tapping P 3 x 12 (with washer)	0.01
4-302-429-00	Screw, self-tapping P 4 x 20 (with washer)	0.01
4-302-432-00	Mounting Plate, transistor	0.01
4-302-709-11	Spring, UHF dial	0.02
4-302-736-00	Bushing	0.03
4-302-838-00	Spring, UHF tuning knob	0.02
4-302-881-00	Patch 5 mm dia	0.01
4-302-937-00	Holder, transistor	0.03
4-302-943-00	Insulating Plate, transistor	0.01
4-303-203-00	Insulating Bushing H-1	0.01
4-303-448-00	Lug, ground	0.03
4-303-473-00	Supporter, printed circuit board	0.01
4-303-731-00	Hook, lead wire	0.05
4-303-773-00	Insulating Bushing, picture tube	0.01
4-303-774-00	Spring, ground wire	0.03

Part No.	Description	Unit Price
4-303-775-00	Holder A, deflection yoke	$0.46
4-303-776-00	Holder B, deflection yoke	0.65
4-303-813-00	Bushing, transistor	0.01
4-303-814-00	Insulating Plate, transistor	0.01
4-303-822-00	Cushion, picture tube	0.01
4-303-844-00	Spacer, mica (MD-17)	0.03
4-304-082-00	Heat Sink, transistor	0.03
4-304-086-00	Insulating Plate, transistor (MD-17)	0.01
4-304-479-02	Shield Case, VIF; main	0.05
4-304-494-00	Screw, self-tapping P 4 x 16 (with washer)	0.01
4-304-499-00	Wire Clamp, small	0.01
4-304-507-02	Shield Case, SIF; main	0.04
4-304-512-00	Wire Clamp, large	0.01
4-304-605 01	Handle, carrying	0.10
4-304-621-00	Shield Case, AFT; main	0.04
4-304-622-00	Shield Case, AFT; upper	0.02
4-304-623-00	Shield Case, AFT; bottom	0.02
4-304-833-00	Shield Case, UIF; main	0.15
4-304-834-00	Shield Case, UIF; bottom	0.03
4-304-835-02	Shield Case, UIF; upper	0.03
4-304-844-00	Bracket, delay line	0.03
4-305-038-00	Shield Case, SIF; upper	0.02
4-305-202-11	Ornamental Frame, lower	1.23
4-305-204-00	Ornamental Frame, left	0.65
4-305-205-00	Ornamental Frame, right	0.65
4-305-206-00	Emblem, "SONY"	0.10
4-305-210-31	Emblem, "SOLID STATE"	0.02
4-305-215-00	Clamp, cable	0.02
4-305-265-00	Chassis	0.61
4-305-272-00	Insulating Plate, control	0.05
4-305-274-00	Clamp, electrolytic capacitor	0.03
4-305-277-00	Supporter, printed circuit board	0.05
4-305-281-02	Heat Sink, transistor	0.81
4-305-282-00	Heat Sink, transistor	0.10
4-305-283-00	Heat Sink, transistor	0.04
4-305-286-00	Insulating Plate, P circuit board	0.01
4-305-308-00	Insulating Tube	0.02
4-305-312-00	Washer	0.01
4-305-442-00	Drive Nut 4 mm dia	0.01
4-306-005-00	Foot, rubber	0.13
4-306-008-00	Insulating Plate	0.04
4-306-010-00	Bracket, L type	0.03
4-306-021-00	Screw, self-tapping P 4 x 35 (with washer)	0.01

Part No.	Description	Unit Price
4-306-030-00	Bracket, picture tube	$0.09
4-306-034-00	Flange Nut 5 mm dia	0.01
4-306-530-00	Shield Case, VIF; upper	0.03
4-306-531-00	Shield Case, VIF; bottom	0.03
4-306-542-00	Shield Case, VIF; main	0.06
4-306-543-00	Shield Case, VIF; upper	0.03
4-306-544-00	Shield Case, VIF; bottom	0.03
4-306-550-02	Stopper, power cord	0.04
4-307-318-02	Shield Case, C board; main	0.05
4-307-319-00	Shield Case, C board; upper	0.02
4-307-320-03	Shield Case, C board; bottom	0.02
4-308-012-00	Supporter B, mask ass'y	0.03
4-308-102-00	Ornamental Frame, upper	0.63
4-308-103-00	Ornamental Plate, control knob	0.35
4-308-106-00	Supporter A, mask ass'y	0.02
4-308-109-00	Cover, rear	1.78
4-308-110-00	Grommet, cord	0.01
4-308-112-00	Bracket, power transformer	0.36
4-308-113-00	Insulating Plate, fuse	0.03
4-308-115-02	Bracket, S circuit board	0.19
4-308-116-00	Grommet, screw	0.02
4-308-117-00	Bracket, S board	0.06
4-308-118-00	Bracket, control	0.06
4-308-119-00	Wire Clip	0.01
4-308-120-00	Bracket, power cord stopper	0.02
4-308-121-00	Knob, AFT switch	0.01
7-621-730-54	Screw, self-tapping BV 3 x 8	0.43/100
7-621-753-45	Screw, wood K 3.1 x 16	0.11/100
7-621-853-57	Screw, wood K 3.1 x 20	0.30/100
7-682-165-01	Screw, P 4 x 16	0.16/100

Part No.	Description	Unit Price
	II. MOUNTING HARDWARE	
	All screws are phillips type (cross recess type).	
7-621-722-57	Screw, self-tapping BV 3 x 8	$0.16/100
7-621-722-63	Screw, self-tapping BV 3 x 10	0.19/100
7-621-722-75	Screw, self-tapping BV 3 x 10	0.19/100
7-621-724-43	Screw, self-tapping BV 4 x 10	0.44/100
7-682-174-00	Screw, P 5 x 8	0.23/100
7-682-647-00	Screw, PS 3 x 6	0.19/100
7-682-665-00	Screw, PS 4 x 16	0.28/100
7-685-134-00	Screw, self-tapping P 2.6 x 8	0.31/100
7-685-163-21	Screw, self-tapping P 4 x 16	0.32/100
7-685-459-21	Screw, self-tapping T 4 x 8	0.49/100
7-685-662-21	Screw, self-tapping BV 4 x 14	0.49/100
7-623-210-12	Spring Washer, 4 mm dia	0.07/100
7-623-212-12	Spring Washer, 5 mm dia	0.09/100
7-623-408-00	Washer, ext tooth 3 mm dia	0.20/100
7-684-013-00	Nut, 3 mm dia	0.13/100

Ref. No.	Part No.	Description	Unit Price
		III. ELECTRICAL PARTS	
		Circuit Boards and Tuner	
	8-983-126-85	Socket Circuit Board (T), complete ----------	$ 2.01
	8-983-149-35	Signal Circuit Board (S), complete ----------	12.06
	8-983-149-75	UIF Circuit Board (UIF), complete ----------	2.27
	8-983-155-65	Horizontal Regulator Circuit Board (HR), complete ----------	1.05
	8-983-162-15	Deflection Circuit Board (D), complete ------	8.24
	8-983-162-25	Power Supply Circuit Board (P), complete ----	1.03
	8-983-762-15	Chroma Circuit Board (C), complete ----------	24.93
	8-983-900-25	UHF Tuner (BT-123) ----------	5.68
	8-983-902-15	Antenna Circuit Board (ANT), complete -------	1.21
		Semiconductors	
Q051		- (Serial No. up to 33,300)	-
Q051		Transistor, 2SC633A ---------- (Serial No. 33,301 and later)	0.14
Q052		- (Serial No. up to 33,300)	-
Q052		Transistor, 2SC633A ---------- (Serial No. 33,301 and later)	0.14
Q151		Transistor, 2SC633A or 2SC1364 ----------	0.14 or 0.10
Q152		Transistor, 2SC633A or 2SC1364 ----------	0.14 or 0.10
Q153		Transistor, 2SC633A or 2SC1364 ----------	0.14 or 0.10
Q154		Transistor, 2SA677 ----------	0.15
Q155		Transistor, 2SC1127 ----------	0.36
Q156		Transistor, 2SA678 ----------	0.18
Q157		Transistor, 2SC1127 ----------	0.36
Q158		Transistor, 2SA678 ----------	0.18
Q159		Transistor, 2SC1127 ----------	0.36
Q160		Transistor, 2SA678 ----------	0.18
Q161		Transistor, 2SC633A or 2SC1364 ----------	0.14 or 0.10
Q162		Transistor, 2SC633A or 2SC1364 ----------	0.14 or 0.10
Q163		Transistor, 2SC633A or 2SC1364 ----------	0.14 or 0.10
Q164		Transistor, 2SC633A or 2SC1364 ----------	0.14 or 0.10
Q165		Transistor, 2SC633A or 2SC1364 ----------	0.14 or 0.10
Q201		Transistor, 2SC1129 ----------	0.22
Q202		Transistor, 2SC1128 ----------	0.22
Q203		Transistor, 2SC1128 ----------	0.22
Q204		Transistor, 2SC1364 ----------	0.10
Q205		Transistor, 2SC633A or 2SC1364 ----------	0.14 or 0.10
Q206		Transistor, 2SC633A or 2SC1364 ----------	0.14 or 0.10
Q207		Transistor, 2SC633A or 2SC1364 ----------	0.14 or 0.10
Q208		Transistor, 2SA677 ----------	0.15

Ref. No.	Part No.	Description		Unit Price
Q209		Transistor,	2SA677 ----------	$0.15
Q210		Transistor,	2SC633A or 2SC1364 ----------	0.14 or 0.10
Q301		Transistor,	2SC403C ----------	0.18
Q302		Transistor,	2SC633A or 2SC1364 ----------	0.14 or 0.10
Q303		Transistor,	2SC403C ----------	0.18
Q304		Transistor,	2SC403C ----------	0.18
Q305		Transistor,	2SA678 ----------	0.18
Q306		Transistor,	2SC403C ----------	0.18
Q307		Transistor,	2SC403C ----------	0.18
Q308			-	-
Q309		Transistor,	2SC403C ----------	0.18
Q310		Transistor,	2SC403C ----------	0.18
Q311		Transistor,	2SC633A or 2SC1364 ----------	0.14 or 0.10
Q312		Transistor,	2SC403C ----------	0.18
~~Q313~~		~~Transistor,~~	~~2SC403C ----------~~	~~0.18~~
Q314		Transistor,	2SC403C ----------	0.18
Q315		Transistor,	2SC403C ----------	0.18
Q316		Transistor,	2SC403C ----------	0.18
Q317		Transistor,	2SC403C ----------	0.18
Q318		Transistor,	2SC403C ----------	0.18
Q319		Transistor,	2SC633A or 2SC1364 ----------	0.14 or 0.10
Q320		Transistor,	2SC403C ----------	0.18
Q321		Transistor,	2SC403C ----------	0.18
Q322		Transistor,	2SC633A or 2SC1364 ----------	0.14 or 0.10
Q323		Transistor,	2SC633A or 2SC1364 ----------	0.14 or 0.10
Q324		Transistor,	2SC633A or 2SC1364 ----------	0.14 or 0.10
Q325		Transistor,	2SC633A or 2SC1364 ----------	0.14 or 0.10
Q326		Transistor,	2SA677 ----------	0.15
Q327		Transistor,	2SC633A or 2SC1364 ----------	0.14 or 0.10
Q328		Transistor,	2SC633A or 2SC1364 ----------	0.14 or 0.10
Q329		Transistor,	2SC633A or 2SC1364 ----------	0.14 or 0.10
Q501		Transistor,	2SA677 ----------	0.15
Q502		Transistor,	2SC1364 ----------	0.10
Q503		Transistor,	2SA677 ----------	0.15
Q504		Transistor,	2SA677 ----------	0.15
Q505		Transistor,	2SD291 ----------	0.39
Q506		Transistor,	2SD291 ----------	0.39
Q507		Transistor,	2SC1364 ----------	0.10
Q508		Transistor,	2SC633A or 2SC1364 ----------	0.14 or 0.10
Q509		Transistor,	2SC1364 ----------	0.10
Q510		Transistor,	2SC1364 ----------	0.10
Q511		Transistor,	2SC867 ----------	0.65

Ref. No.	Part No.	Description	Unit Price
Q601		Transistor, 2SC1124	$0.52
Q602		Transistor, 2SC926A	0.30
Q603		Transistor, 2SC1124	0.52
Q604		Transistor, 2SD291	0.39
Q751		Transistor, 2SC1128	0.22
Q752		Transistor, 2SC1128	0.22
Q801A		Transistor, 2SC1034	1.29
Q801B		Transistor, 2SC1034	1.29
Q802		Transistor, 2SC1316	0.65
Q851		Transistor, 2SA677	0.15
Q852		Transistor, 2SD291	0.39
Q901		Transistor, 2SC867	0.65
Q902		Transistor, 2SD69A	0.43
D051		- (Serial No. up to 33,300)	-
D051		Diode, 1T40 (Serial No. 33,301 and later)	0.06
D052		- (Serial No. up to 33,300)	-
D052		Diode, 1T40 (Serial No. 33,301 and later)	0.06
D053		- (Serial No. up to 33,300)	-
D053		Diode, 1T40 (Serial No. 33,301 and later)	0.06
D151		Diode, 1T40	0.06
D152		Diode, 1T40	0.06
D201		Diode, 1T261	0.05
D202		Diode, 1T40	0.06
D203		Diode, 1T40	0.06
D204		Diode, 1T261	0.05
D301		Diode, 1T40	0.06
D302		Diode, 1T40	0.06
D303		Diode, 1T40	0.06
D304		Diode, 1T40	0.06
D305		Diode, 1T40	0.06
D306		Diode, 1T40	0.06
D307		-	-
D308		-	-
D309		-	-
D310		-	-
D311		Diode, 1T40	0.06
D312		Diode, 1T40	0.06
D313		Diode, 1T40	0.06
D314		Diode, 1T40	0.06
D315		Diode, 1T40	0.06
D316		Diode, 1T40	0.06

Ref. No.	Part No.	Description		Unit Price
D501		Diode,	1T22A	$0.05
D502		Diode,	1T22A	0.05
D503		Diode,	1T40	0.06
D504		Diode,	1T40	0.06
D505		Diode,	1T22A	0.05
D506		Diode,	1T22A	0.05
D507		Diode,	1T22A	0.05
D508		Diode,	1T40	0.06
D509		Diode,	1T40	0.06
D510		Diode,	10D-2	0.11
D601		Diode,	SA-2 or U05E	0.36 or 0.23
D602		Diode,	SA-2 or U05E	0.36 or 0.23
D603		Diode,	SA-2 or U05E	0.36 or 0.23
D604		Diode,	SA-2 or U05E	0.36 or 0.23
D605		Diode,	MZ-11	0.11
D606		Diode,	S-4C or V11N	0.73 or 0.24
D607		Diode,	SB-2 or V09C	0.38 or 0.15
D608		Diode,	SB-2 or V09C	0.38 or 0.15
D609		Diode,	HFSD-1A	0.18
D610		Diode,	SB-2 or V09C	0.38 or 0.15
D611		Diode,	10D-2	0.11
D612		Diode,	TD-13	0.54
D802		Diode,	SB-2B	0.38
IC201	8-759-424-10	IC,	AN-241	0.98
IC202	1-805-105-00	IC,	CX-089D	1.39
PR901	1-800-080-00	Posistor		0.45
PR902	1-800-080-00	Posistor		0.45
SR501	1-800-032-00	Varistor,	TD-80	0.09
Th201	1-800-071-00	Thermistor,	TH-350	0.02
Th301	1-800-059-00	Thermistor,	TH-200	0.02
Th601	1-800-069-00	Thermistor,	TH-1500	0.03

Coils

L051		- (Serial No. up to 33,300)	-
L051	1-407-595-00	6.8 mH, micro inductor (Serial No. 33,301 and later)	0.20
L151	1-407-165-00	47 μH, micro inductor	0.03
L152	-	-	-

Ref. No.	Part No.	Description	Unit Price
L153	1-407-165-00	47 µH, micro inductor	$0.03
L154	1-407-167-00	68 µH, micro inductor	0.03
L155	1-409-193-00	4.43 MHz, micro inductor	0.13
L156	1-407-557-00	680 µH, micro inductor	0.07
L157	1-407-177-00	470 µH, micro inductor	0.03
L158	1-407-204-00	6.8 mH, micro inductor	0.05
L159	1-407-187-00	5.6 µH, micro inductor	0.04
L160	1-407-187-00	5.6 µH, micro inductor	0.04
L161	1-407-187-00	5.6 µH, micro inductor	0.04
L201	1-409-214-00	Coil, wave trap; VIFT-T1 (41.5 MHz)	0.17
L202	1-409-215-00	Coil, wave trap; VIFT-T3 (31.5 MHz)	0.17
L203	1-407-184-00	3.3 µH, micro inductor	0.05
L204	1-407-184-00	3.3 µH, micro inductor	0.05
L205	1-407-184-00	3.3 µH, micro inductor	0.05
L206	1-407-184-00	3.3 µH, micro inductor	0.05
L207	1-425-504-00	Coil, RFC	0.12
L208	1-407-190-00	10 µH, micro inductor	0.04
L209	1-407-171-00	150 µH, micro inductor	0.03
L210	1-407-187-00	5.6 µH, micro inductor	0.04
L211	1-407-158-00	12 µH, micro inductor	0.03
L212	1-407-168-00	82 µH, micro inductor	0.03
L213	1-407-186-00	4.7 µH, micro inductor	0.04
L214	1-407-557-00	680 µH, micro inductor	0.07
L301	1-425-671-00	Coil, delay adjusting; DAC	0.11
L302	1-407-186-00	4.7 µH, micro inductor	0.04
L303	1-407-168-00	82 µH, micro inductor	0.03
L304	1-407-161-00	22 µH, micro inductor	0.03
L305	-	-	-
L306	1-407-189-00	8.2 µH, micro inductor	0.04
L307	1-407-177-00	470 µH, micro inductor	0.03
L308	1-407-189-00	8.2 µH, micro inductor	0.04
L410	1-407-159-00	15 µH, micro inductor	0.03
L411	1-407-177-00	470 µH, micro inductor	0.03
L501	1-407-594-00	33 mH, micro inductor	0.05
L502	1-407-646-00	1.5 mH, micro inductor	0.03
L601	-	-	-
L602	1-459-057-00	Coil, differential; DFC	0.34
L603	-	-	-

Ref. No.	Part No.	Description	Unit Price
L604	1-459-056-00	3.9 mH, horizontal centering; HCC	$0.17
L605	1-407-194-00	820 µH, micro inductor	0.05
L606	1-407-194-00	820 µH, micro inductor	0.05
L607	1-407-364-00	3.3 µH, micro inductor	0.07
L608	1-407-364-00	3.3 µH, micro inductor	0.07
L751	1-417-008-00	Balun	0.07
L752	1-407-184-00	3.3 µH, micro inductor	0.05
L801	1-407-556-00	6.8 µH, spook choke	0.06
L802	-	-	-
L803	1-407-364-00	3.3 µH, spook choke	0.07
L901	1-425-681-00	Coil, degaussing	0.81
L902	1-425-681-00	Coil, degaussing	0.81
L906, L908	1-452-055-51	Magnet Ass'y, beam alignment; BAA	1.38
L907	1-452-056-00	Coil, purity improving; PIC	0.32

Transformers

T101	1-417-033-00	Balun	0.07
T201	1-403-728-00	Transformer, VIFT-1	0.12
T202	1-409-217-00	Transformer, VIFT-T2; 33.5 MHz	0.19
T203	1-403-729-00	Transformer, VIFT-2	0.12
T204	1-403-841-00	Transformer, VIFT-3	0.14
T205	1-403-729-00	Transformer, VIFT-4	0.12
T206	1-409-218-00	Transformer, VIFT-T4; 33.5 MHz	0.20
T207	1-403-730-00	Transformer, VIFT-5	0.11
T208	1-409-216-00	6 MHz, trap coil	0.12
T209	1-403-864-00	Transformer, SIFT-1	0.11
T210	1-403-843-00	Transformer, SIFT-3	0.14
T211	1-403-810-00	Transformer, AFT T-3	0.09
T212	1-403-811-00	Transformer, AFT T-4	0.09
T301	1-425-678-00	Transformer, take-off; TOT	0.11
T302	1-403-845-00	Transformer, band pass; BPT-1	0.14
T303	1-425-677-00	Transformer, chroma amplifier; CAT-1	0.12
T304	-	-	-
T305	1-425-677-00	Transformer, chroma amplifier; CAT-2	0.12
T306	1-405-372-00	Transformer, burst amplifier; BAT-1	0.12

Ref. No.	Part No.	Description	Unit Price
T307	1-425-618-00	Transformer, cw oscillator; COT-1 ----------	$0.12
T308	1-405-372-00	Transformer, burst amplifier; BAT-2 ---------	0.12
T309	1-425-618-00	Transformer, cw oscillator; COT-2 ----------	0.12
T310	1-425-506-00	Transformer, band pass; BPT-2 ----------	0.24
T311	1-405-372-00	Transformer, burst amplifier; BAT-3 ---------	0.12
T501	1-435-008-00	Transformer, vertical blocking oscillator; VBT ----------	0.14
T502	1-437-028-00	Transformer, horizontal drive; HDT ----------	0.19
T602	1-439-078-00	Transformer, horizontal output; HOT-1 -------	0.80
T751	1-403-807-00	Transformer, UIFT-1 ----------	0.12
T752	1-403-808-00	Transformer, UIFT-2 ----------	0.12
T753	1-403-809-12	Transformer, UIFT-3 ----------	0.12
T801	1-439-115-13	Transformer Ass'y, flyback; FBT ---------- (Serial No. up to 25,300)	2.75
T801	1-439-132-11	Transformer, flyback; FBT ---------- (Serial No. 25,301 and later)	2.89
T901	1-427-310-00	Transformer, sound output; SOT ----------	0.79
T902	1-441-788-12	Transformer, heater; HT ---------- (Serial No. up to 25,300)	0.56
T902	1-441-788-31	Transformer, heater; HT ---------- (Serial No. 25,301 and later)	0.56
T903	1-441-964-00	Transformer, power ----------	5.84

Capacitors

All capacitors are in µF except as indicated with p, and in 50 WV and ceramic unless otherwise indicated. P means µµF.

C051		-	(Serial No. up to 33,300)		-
C051	1-108-626-11	0.01	±10 %	100 WV, mylar ----------	0.03
			(Serial No. 33,301 and later)		
C052		-	(Serial No. up to 33,300)		-
C052	1-108-614-11	0.001	±10 %	100 WV, mylar ----------	0.02
			(Serial No. 33,301 and later)		

Ref. No.	Part No.	Description			Unit Price
C053		-	(Serial No. up to 33,300)		-
C053	1-121-391-11	1	+150 -10 %	50 WV, electrolytic ---	$0.03
			(Serial No. 33,301 and later)		
C054		-	(Serial No. up to 33,300)		-
C054	1-121-392-11	3.3	+150 -10 %	25 WV, electrolytic ---	0.04
			(Serial No. 33,301 and later)		
C055		-	(Serial No. up to 33,300)		-
C055	1-121-395-11	4.7	+150 -10 %	25 WV, electrolytic ---	0.07
			(Serial No. 33,301 and later)		
C056		-	(Serial No. up to 33,300)		-
C056	1-121-395-11	4.7	+150 -10 %	25 WV, electrolytic ---	0.07
			(Serial No. 33,301 and later)		
~~C101~~	~~1-102-238-11~~	~~47 p~~	~~±20 %~~	~~250 WV (ac) ----------~~	~~0.09~~
C102	1-102-238-11	47 p	±20 %	250 WV (ac) ----------	0.09
C103	1-102-238-11	47 p	±20 %	250 WV (ac) ----------	0.09
C104	1-102-238-11	47 p	±20 %	250 WV (ac) ----------	0.09
C105	1-121-404-11	33	+100 -10 %	25 WV, electrolytic ---	0.05
C106	1-121-398-11	10	+100 -10 %	25 WV, electrolytic ---	0.03
C107	1-121-395-11	4.7	+150 -10 %	25 WV, electrolytic ---	0.07
C151	1-121-450-11	2.2	+150 -10 %	50 WV, electrolytic ---	0.03
C152	1-102-978-11	220 p	±5 %	----------	0.02
C153	1-102-959-11	22 p	±5 %	----------	0.02
C154	1-102-098-11	470 p	±5 %	----------	0.03
C155	1-102-662-11	7 p	±0.25 p	----------	0.02
C156	1-102-662-11	7 p	±0.25 p	----------	0.02
C157	1-121-450-11	2.2	+150 -10 %	50 WV, electrolytic ---	0.03
C158	1-121-726-11	0.47	+150 -10 %	50 WV, electrolytic ---	0.03
C159	1-121-726-11	0.47	+150 -10 %	50 WV, electrolytic ---	0.03
C160	1-121-422-11	220	+100 -10 %	25 WV, electrolytic ---	0.11
C161	1-123-027-11	2.2	+100 -10 %	250 WV, electrolytic --	0.08
C162	1-102-098-11	470 p	±5 %	----------	0.03
C163	1-121-398-11	10	+100 -10 %	25 WV, electrolytic ---	0.03
C164	1-102-117-11	820 p	±5 %	----------	0.03
C165	1-102-973-11	100 p	±5 %	----------	0.02

Ref. No.	Part No.	Description		Unit Price
C166	-	-		-
C167	1-101-455-11	1,000 p	±5 %	$0.02
C168	1-102-117-11	820 p	±5 %	0.03
C169	1-101-455-11	1,000 p	±5 %	0.02
C170	1-102-117-11	820 p	±5 %	0.03
C171	1-101-455-11	1,000 p	±5 %	0.02
C172	1-102-117-11	820 p	±5 %	0.03
C173	1-101-439-11	680 p	±5 %	0.02
C174	1-101-439-11	680 p	±5 %	0.02
C175	1-102-973-11	100 p	±5 %	0.02
C176	1-101-439-11	680 p	±5 %	0.02
C177	1-102-973-11	100 p	±5 %	0.02
C178	1-101-439-11	680 p	±5 %	0.02
C179	1-121-395-11	4.7	+150 -10 % 25 WV, electrolytic	0.07
C201	1-102-662-11	7 p	±0.5 p	0.02
C202	1-102-862-11	3 p	±0.25 p	0.03
C203	1-101-003-11	0.0047	+100 -0 %	0.02
C204	1-101-003-11	0.0047	+100 -0 %	0.02
C205	1-102-935-11	2 p	±0.25 p	0.02
C206	1-101-003-11	0.0047	+100 -0 %	0.02
C207	1-101-003-11	0.0047	+100 -0 %	0.02
C208	1-101-003-11	0.0047	+100 -0 %	0.02
C209	1-101-004-11	0.01	+100 -0 %	0.02
C210	1-101-576-11	1.5 p	±0.25 p	0.02
C211	1-101-003-11	0.0047	+100 -0 %	0.02
C212	1-101-003-11	0.0047	+100 -0 %	0.02
C213	1-101-003-11	0.0047	+100 -0 %	0.02
C214	1-101-552-11	3.5 p	±0.25 p	0.02
C215	1-101-003-11	0.0047	+100 -0 %	0.02
C216	1-121-402-11	33	+150 -10 % 10 WV, electrolytic	0.05
C217	1-101-003-11	0.0047	+100 -0 %	0.02
C218	1-101-003-11	0.0047	+100 -0 %	0.02
C219	1-121-402-11	33	+150 -10 % 10 WV, electrolytic	0.05
C220	1-102-662-11	7 p	±0.5 p	0.02
C221	1-101-003-11	0.0047	+100 -0 %	0.02
C222	1-102-935-11	2 p	±0.25 p	0.02
C223	1-101-003-11	0.0047	+100 -0 %	0.02
C224	1-102-963-11	33 p	±5 %	0.02

Ref. No.	Part No.	Description	Unit Price
C225	1-102-856-11	5 p ±0.5 p	$0.03
C226	1-101-003-11	0.0047 +100 -0 %	0.02
C227	1-102-947-11	10 p ±5 %	0.02
C228	1-101-003-11	0.0047 +100 -0 %	0.02
C229	1-121-402-11	33 +150 -10 % 10 WV, electrolytic	0.05
C230	1-101-003-11	0.0047 +100 -0 %	0.02
C231	1-121-422-11	220 +150 -10 % 25 WV, electrolytic	0.11
C232	1-102-098-11	470 p ±20 %	0.03
C233	1-121-403-11	33 +150 -10 % 16 WV, electrolytic (Serial No. up to 25,300)	0.04
C233	1-121-402-11	33 +150 -10 % 10 WV, electrolytic (Serial No. 25,301 and later)	0.05
C234	1-121-402-11	33 +150 -10 % 10 WV, electrolytic	0.05
C235	1-121-391-11	1 +150 -10 % 50 WV, electrolytic	0.03
~~C236~~	~~1-108-630-11~~	~~0.022 ±10 % 100 WV, mylar~~	~~0.03~~
C237	1-121-393-11	3.3 +150 -10 % 50 WV, electrolytic	0.03
C238	1-121-393-11	3.3 +150 -10 % 50 WV, electrolytic	0.03
C239	1-121-403-11	33 +150 -10 % 16 WV, electrolytic	0.04
C240	1-102-940-11	3 p ±0.5 p	0.02
C241	1-102-940-11	3 p ±0.5 p	0.02
C242	1-102-947-11	10 p ±5 %	0.02
C243	1-102-951-11	15 p ±5 %	0.02
C244	1-102-942-11	5 p ±0.5 p	0.02
C245	1-102-196-11	0.047 +100 -0 %	0.03
C246	1-121-403-11	33 +150 -10 % 16 WV, electrolytic	0.04
C247	1-102-196-11	0.047 +100 -0 %	0.03
C248	1-102-666-11	12 p ±5 %	0.02
C249	1-101-004-11	0.01 +100 -0 %	0.02
C250	1-105-713-12	0.01 ±10 % 100 WV, mylar	0.03
C251	1-121-415-11	100 +150 -10 % 16 WV, electrolytic	0.06
C252	1-121-391-11	1 +150 -10 % 50 WV, electrolytic	0.03
C253	1-121-391-11	1 +150 -10 % 50 WV, electrolytic	0.03
C254	1-102-947-11	10 p ±5 %	0.02
C255	1-102-942-11	5 p ±0.5 p	0.02
C256	1-101-003-11	0.0047 +100 -0 %	0.02
C257	1-101-003-11	0.0047 +100 -0 %	0.02
C258	1-101-003-11	0.0047 +100 -0 %	0.02
C259	1-102-043-11	1,000 p +200 -0 % 500 WV	0.03
C260	1-101-003-11	0.0047 +100 -0 %	0.02
C261	1-101-003-11	0.0047 +100 -0 %	0.02

Ref. No.	Part No.	Description	Unit Price
C262	1-101-576-11	1.5 p ±0.25 p	$0.02
C263	1-102-525-11	68 p ±5 %	0.02
C264	1-102-774-11	47 p ±5 %	0.03
C301	1-102-889-11	39 p ±5 %	0.02
C302	1-101-004-11	0.01 +100 -0 %	0.02
C303	1-101-004-11	0.01 +100 -0 %	0.02
C304	1-102-941-11	4 p ±0.25 p	0.02
C305	1-121-413-11	100 +100 -10 % 6.3 WV, electrolytic	0.05
C306	1-101-006-11	0.047 +100 -0 %	0.03
C307	1-101-004-11	0.01 +100 -0 %	0.02
C308	-	-	-
C309	1-102-973-11	100 p ±5 %	0.02
C310	1-102-973-11	100 p ±5 %	0.02
~~C311~~	~~1-101-004-11~~	~~0.01 +100 -0 %~~	~~0.02~~
C312	1-101-004-11	0.01 +100 -0 %	0.02
C313	1-101-004-11	0.01 +100 -0 %	0.02
C314	1-101-004-11	0.01 +100 -0 %	0.02
C315	1-102-676-11	68 p ±5 %	0.03
C316	1-101-004-11	0.01 +100 -0 %	0.02
C317	1-101-004-11	0.01 +100 -0 %	0.02
C318	1-101-004-11	0.01 +100 -0 %	0.02
C319	1-101-004-11	0.01 +100 -0 %	0.02
C320	1-102-935-11	2 p ±0.25 p	0.02
C321	1-101-004-11	0.01 +100 -0 %	0.02
C322	1-101-004-11	0.01 +100 -0 %	0.02
C323	1-101-004-11	0.01 +100 -0 %	0.02
C330	1-102-959-11	22 p ±5 %	0.02
C331	1-101-004-11	0.01 +100 -0 %	0.02
C332	1-102-971-11	82 p ±5 %	0.02
C333	1-102-971-11	82 p ±5 %	0.02
C334	1-101-004-11	0.01 +100 -0 %	0.02
C335	1-102-935-11	2 p ±0.25 p	0.02
C336	1-101-004-11	0.01 +100 -0 %	0.02
C337	1-101-004-11	0.01 +100 -0 %	0.02
C338	1-102-978-11	220 p ±5 %	0.02
C339	1-102-973-11	100 p ±5 %	0.02
C340	1-101-006-11	0.047 +100 -0 %	0.03
C341	1-102-965-11	39 p ±5 %	0.02
C342	1-102-941-11	4 p ±0.25 p	0.02
C343	1-102-676-11	68 p ±5 %	0.03
C344	1-101-006-11	0.047 +100 -0 %	0.03

Ref. No.	Part No.	Description	Unit Price
C345	1-121-395-11	4.7 +150 -10 % 25 WV, electrolytic --	$0.07
C346	1-101-006-11	0.047 +100 -0 % ----------	0.03
C347	1-102-936-11	3 p ±0.25 p ----------	0.02
C348	1-102-961-11	27 p ±5 % ----------	0.02
C349	1-102-963-11	33 p ±5 % ----------	0.02
C350	1-102-959-11	22 p ±5 % ----------	0.02
C351	1-101-004-11	0.01 +100 -0 % ----------	0.02
C352	1-101-004-11	0.01 +100 -0 % ----------	0.02
C353	1-101-004-11	0.01 +100 -0 % ----------	0.02
C354	1-101-004-11	0.01 +100 -0 % ----------	0.02
C355	1-102-959-11	22 p ±5 % ----------	0.02
C356	1-101-884-11	56 p ±5 % ----------	0.02
C357	1-101-004-11	0.01 +100 -0 % ----------	0.02
C358	1-102-676-11	68 p ±5 % ----------	0.03
C359	1-101-004-11	0.01 +100 -0 % ----------	0.02
C360	1-102-961-11	27 p ±5 % ----------	0.02
C361	1-102-961-11	27 p ±5 % ----------	0.02
C362	1-102-961-11	27 p ±5 % ----------	0.02
C363	1-102-961-11	27 p ±5 % ----------	0.02
C364	1-102-959-11	22 p ±5 % ----------	0.02
C365	-	-	-
C366	1-102-965-11	39 p ±5 % ----------	0.02
C367	1-102-941-11	4 p ±0.25 p ----------	0.02
C368	1-102-676-11	68 p ±5 % ----------	0.03
C369	1-101-006-11	0.047 +100 -0 % ----------	0.03
C370	1-121-395-11	4.7 +150 -10 % 25 WV, electrolytic --	0.07
C371	1-101-006-11	0.047 +100 -0 % ----------	0.03
C372	1-102-936-11	3 p ±0.25 p ----------	0.02
C373	1-102-961-11	27 p ±5 % ----------	0.02
C374	1-102-963-11	33 p ±5 % ----------	0.02
C375	1-102-959-11	22 p ±5 % ----------	0.02
C376	1-101-004-11	0.01 +100 -0 % ----------	0.02
C377	-	-	-
C378	1-101-004-11	0.01 +100 -0 % ----------	0.02
C379	1-101-004-11	0.01 +100 -0 % ----------	0.02
C380	1-101-004-11	0.01 +100 -0 % ----------	0.02
C381	1-102-959-11	22 p ±5 % ----------	0.02
C382	1-101-884-11	56 p ±5 % ----------	0.02
C383	1-101-004-11	0.01 +100 -0 % ----------	0.02
C384	1-102-676-11	68 p ±5 % ----------	0.03
C385	1-101-004-11	0.01 +100 -0 % ----------	0.02
C386	1-102-961-11	27 p ±5 % ----------	0.02
C387	-	-	-

Ref. No.	Part No.	Description			Unit Price
C388	1-102-978-11	220 p	±5 %	----------	$0.02
R389	1-121-403-11	33	+150 -10 %	16 WV, electrolytic --	0.04
C397	1-121-391-11	1	+150 -10 %	50 WV, electrolytic --	0.03
C398	1-121-471-11	10	+100 -10 %	16 WV, electrolytic --	0.04
C399	1-101-006-11	0.047	+100 -0 %	----------	0.03
C400	1-121-471-11	10	+100 -10 %	16 WV, electrolytic --	0.04
C401	1-101-002-11	0.0022	+100 -0 %	----------	0.02
C402	1-101-004-11	0.01	+100 -0 %	----------	0.02
C403	1-101-004-11	0.01	+100 -0 %	----------	0.02
C404	1-121-471-11	10	+100 -10 %	16 WV, electrolytic --	0.04
C405	1-101-006-11	0.047	+100 -0 %	----------	0.03
C406	1-102-947-11	10 p	±5 %	----------	0.02
C407	1-101-004-11	0.01	+100 -0 %	----------	0.02
C408	1-102-863-11	82 p	±5 %	----------	0.03
C409	1-102-679-11	120 p	±5 %	----------	0.04
C410	1-101-006-11	0.047	+100 -0 %	----------	0.03
C411	1-102-961-11	27 p	±5 %	----------	0.02
C412	1-102-961-11	27 p	±5 %	----------	0.02
C413	1-102-959-11	22 p	±5 %	----------	0.02
C414	-		-		-
C415	1-102-973-11	100 p	±5 %	----------	0.02
C416	1-101-006-11	0.047	+100 -0 %	----------	0.03
C417	1-102-941-11	4 p	±0.25 p	----------	0.02
C418	1-102-676-11	68 p	±5 %	----------	0.03
C419	1-101-004-11	0.01	+100 -0 %	----------	0.02
C420	1-105-725-12	0.1	±10 %	100 WV, mylar --------	0.07
C421	1-101-004-11	0.01	+100 -0 %	----------	0.02
C422	1-105-681- 2	0.047	±10 %	50 WV, mylar ---------	0.03
C423	1-101-004-11	0.01	+100 -0 %	----------	0.02
C424	1-101-004-11	0.01	+100 -0 %	----------	0.02
C425	1-121-471-11	10	+100 -10 %	16 WV, electrolytic --	0.04
C426	1-102-973-11	100 p	±5 %	----------	0.02
C427	1-121-471-11	10	+100 -10 %	16 WV, electrolytic --	0.04
C428	1-106-172-12	0.001	±5 %	100 WV, mylar --------	0.04
C429	1-102-973-11	100 p	±5 %	----------	0.02
C430	1-106-184-12	0.0033	±5 %	100 WV, mylar --------	0.04
C431	1-106-172-12	0.001	±5 %	100 WV, mylar --------	0.04
C432	1-101-003-11	0.0047	+100 -0 %	----------	0.02
C433	1-121-391-11	1	+150 -10 %	50 WV, electrolytic --	0.03
C434	1-105-723-12	0.068	±10 %	100 WV, mylar --------	0.06

Ref. No.	Part No.	Description			Unit Price
C501	1-121-395-11	4.7	+150 -10 %	25 WV, electrolytic --	$0.07
C502	1-121-819-11	4.7	±30 %	50 WV, electrolytic --	0.11
C503	1-105-713-12	0.01	±10 %	100 WV, mylar --------	0.03
C504	1-105-713-12	0.01	±10 %	100 WV, mylar --------	0.03
C505	1-121-395-11	4.7	+150 -10 %	25 WV, electrolytic --	0.07
C506	1-131-158-12	10	±20 %	16 WV, tantalum ------	0.15
C507	1-121-986-11	2.2	±20 %	50 WV, solid aluminum electrolytic --	0.15
C508	1-121-415-11	100	+100 -10 %	16 WV, electrolytic --	0.06
C509	1-105-717-12	0.022	±10 %	100 WV, mylar --------	0.03
C510	1-121-404-11	33	+100 -10 %	25 WV, electrolytic --	0.05
C511	1-121-814-11	470	+50 -10 %	25 WV, electrolytic --	0.18
C512	1-121-972-11	220	±20 %	16 WV, electrolytic --	0.07
C513	1-121-361-11	470	+100 -10 %	35 WV, electrolytic --	0.18
C514	-		-		-
C515	1-121-812-11	470	+100 -10 %	35 WV, electrolytic --	0.18
C516	1-121-391-11	1	+150 -10 %	50 WV, electrolytic --	0.03
C517	1-105-725-12	0.1	±10 %	100 WV, mylar --------	0.07
C518	1-102-947-11	10 p	±5 %	----------	0.02
C519	1-105-719-12	0.033	±10 %	100 WV, mylar --------	0.05
C520	1-105-719-12	0.033	±10 %	100 WV, mylar --------	0.05
C521	1-121-410-11	47	+100 -10 %	25 WV, electrolytic --	0.09
C522	1-121-391-11	1	+150 -10 %	50 WV, electrolytic --	0.03
C523	1-105-721-12	0.047	±10 %	100 WV, mylar --------	0.05
C524	1-102-989-11	68 p	±5 %	----------	0.02
C525	1-121-395-11	4.7	+150 -10 %	25 WV, electrolytic --	0.07
C526	1-105-725-12	0.1	±10 %	100 WV, mylar --------	0.07
C527	1-106-212-12	0.047	±5 %	100 WV, mylar --------	0.06
C528	1-106-188-12	0.0047	±5 %	100 WV, mylar --------	0.03
C529	1-106-184-12	0.0033	±5 %	100 WV, mylar --------	0.04
C530	1-105-725-12	0.1	±10 %	100 WV, mylar --------	0.07
C531	1-121-921-11	10	+100 -10 %	160 WV, electrolytic -	0.13
C532	1-102-038-11	0.001	+100 -0 %	500 WV ----------	0.08
C533	-		-		-
C534	1-121-392-11	3.3	+150 -10 %	25 WV, electrolytic --	0.04
C535	1-121-246-11	4.7	+100 -10 %	160 WV, electrolytic -	0.06
C536	1-102-157-11	560 p	±10 %	500 WV ----------	0.03
C537	1-102-978-11	220 p	±5 %	----------	0.02
C538	1-121-819-11	4.7	±30 %	50 WV, electrolytic --	0.11
C539	1-121-391-11	1	+150 -10 %	50 WV, electrolytic --	0.03
C540	1-102-816-11	120 p	±5 %	----------	0.02
C541	1-102-816-11	120 p	±5 %	----------	0.02

Ref. No.	Part No.	Description			Unit Price
C601	-		-		-
C602	1-102-085-11	0.0047	±20 %	500 WV (dc) ----------	$0.02
C603	1-102-085-11	0.0047	±20 %	500 WV (dc) ----------	0.02
C604	1-102-085-11	0.0047	±20 %	500 WV (dc) ----------	0.02
C605	1-102-085-11	0.0047	±20 %	500 WV (dc) ----------	0.02
C606	1-121-246-11	4.7	+150 -10 %	160 WV, electrolytic -	0.06
C607	1-129-702-11	0.001	±10 %	630 WV, polypropylene-	0.03
C608	1-121-986-11	2.2	±20 %	50 WV, electrolytic --	0.15
C609	-		-		-
C610	1-121-398-11	10	+100 -10 %	25 WV, electrolytic --	0.03
C611	1-121-708-11	10	+100 -10 %	150 WV, electrolytic -	0.23
C612	1-108-546-11	1.5	±10 %	400 WV, mylar --------	0.71
C613	1-105-725-13	0.1	±10 %	100 WV, mylar --------	0.07
C614	1-121-246-11	4.7	+150 -10 %	160 WV, electrolytic -	0.06
~~C615~~	~~1-121-361-11~~	~~470~~	~~+100 -10 %~~	~~35 WV, electrolytic --~~	~~0.18~~
C616	1-123-024-11	33		160 WV, electrolytic -	0.16
C617	1-105-753-12	0.01	±10 %	200 WV, mylar --------	0.04
C618	1-105-753-12	0.01	±10 %	200 WV, mylar --------	0.04
C619	1-121-361-11	470	+100 -10 %	35 WV, electrolytic --	0.18
C620	1-102-155-11	330 p	±20 %	2 kWV ----------	0.05
C651	1-102-223-11	0.0047	±20 %	1.6 kWV ----------	0.05
C652	1-102-223-11	0.0047	±20 %	1.6 kWV ----------	0.05
C653	-		-		-
C654	1-102-223-11	0.0047	±20 %	1.6 kWV ----------	0.05
C655	-		-		-
C656	-		-		-
C657	1-119-242-11	1	+150 -10 %	500 WV, electrolytic -	0.09
C751	1-102-043-11	1000 p	+200 -0 %	500 WV ----------	0.03
C752	1-121-404-11	33	+100 -10 %	25 WV, electrolytic --	0.05
C753	1-102-102-11	0.0047	±20 %	----------	0.03
C754	1-102-102-11	0.0047	±20 %	----------	0.03
C755	1-102-102-11	0.0047	±20 %	----------	0.03
C756	1-102-942-11	5 p	±0.5 p	----------	0.02
C757	1-102-102-11	0.0047	±20 %	----------	0.03
C758	1-102-937-11	4 p	±0.25 p	----------	0.02
C759	1-102-102-11	0.0047	±20 %	----------	0.02
C760	1-102-102-11	0.0047	±20 %	----------	0.03
C761	1-102-102-11	0.0047	±20 %	----------	0.03
C762	-		-		-
C763	1-102-102-11	0.0047	±20 %	----------	0.03

Ref. No.	Part No.	Description			Unit Price
C801	1-105-719-12	0.033	±10 %	100 WV, mylar ---------	$0.05
C802	1-129-783-12	0.016	1.5 kWV, polypropylene ----------		0.46
C803	1-129-865-11	0.02	±5 %	1 kWV, polyethylene ---	0.22
		(Serial No. up to 16,000)			
C803	1-129-857-11	0.019	±5 %	1 kWV, polyethylene ---	0.22
		(Serial No. 16,001 and later)			
C804	1-102-153-11	100 p	±20 %	2 kWV ----------	0.02
C805	-		-		-
C806	1-121-813-11	1.5	±20 %	50 WV, electrolytic ---	0.11
C807	1-101-810-11	100 p	±5 %	500 WV ----------	0.01
C808	1-102-816-11	120 p	±5 % ----------		0.01
C851	1-121-421-11	220	+100 -10 %	16 WV, electrolytic ---	0.08
C852	1-121-951-11	0.47	±20 %	50 WV, electrolytic ---	0.04
C901	1-108-747-22	0.1	±10 %	300 WV, mylar ---------	0.28
C902	1-125-077-21	560+10+10		160 WV, electrolytic --	0.68
C903	-		-		-
C904	-		-		-
C905	1-105-795-13	0.015	±10 %	400 WV, mylar ---------	0.07
C910	-	-	(Serial No. up to 25,300)		-
C910	1-102-239-11	470 p	±20 %	250 WVac ----------	0.09
		(Serial No. 25,301 and later)			
VC201	1-141-138-00	1 - 5 P, trimmer ----------			0.05
SG651	1-519-030-00	Spark Gap ----------			0.08
SG652	1-519-030-00	Spark Gap ----------			0.08
SG653	1-519-030-00	Spark Gap ----------			0.08
SG654	1-519-030-00	Spark Gap ----------			0.08
SG655	1-519-030-00	Spark Gap ----------			0.08
SG656	1-519-030-00	Spark Gap ----------			0.08
SG657	1-519-030-00	Spark Gap ----------			0.08
SG658	1-519-030-00	Spark Gap ----------			0.08
SG659	1-519-030-00	Spark Gap ----------			0.08

Resistors

All resistors are in Ω, carbon, ±5 % and 1/4 W, unless otherwise specified.

R051	-	-	(Serial No. up to 33,300)	-
R051	1-244-713-11	47 k	(Serial No. 33,301 and later) ------	0.02
R052	-	-	(Serial No. up to 33,300)	-
R052	1-244-689-11	4.7 k	(Serial No. 33,301 and later) -------	0.02
R053	-	-	(Serial No. up to 33,300)	-
R053	1-244-681-11	2.2 k	(Serial No. 33,301 and later) ------	0.02
R054	-	-	(Serial No. up to 33,300)	-
R054	1-244-657-11	220	(Serial No. 33,301 and later) ------	0.02
R055		-	(Serial No. up to 33,300)	-
R055	1-244-685-11	3.3 k	(Serial No. 33,301 and later) ------	0.02

Ref. No.	Part No.	Description	Unit Price
R056	-	- (Serial No. up to 33,300)	-
R056	1-244-679-11	1.8 k (Serial No. 33,301 and later)	$0.02
R057	-	- (Serial No. up to 33,300)	-
R057	1-244-691-11	5.6 k (Serial No. 33,301 and later)	0.02
R058	-	- (Serial No. up to 33,300)	-
R058	1-244-691-11	5.6 k (Serial No. 33,301 and later)	0.02
R151	1-244-685-11	3.3 k	0.02
R152	1-244-665-11	470	0.02
R153	1-244-679-11	1.8 k	0.02
R154	1-244-657-11	220	0.02
R155	1-244-661-11	330	0.02
R156	1-244-681-11	2.2 k	0.02
R157	1-244-673-11	1 k	0.02
R158	1-244-661-11	330	0.02
R159	1-244-673-11	1 k	0.02
R160	1-244-687-11	3.9 k	0.02
R161	1-244-709-11	33 k	0.02
R162	1-244-709-11	33 k	0.02
R163	1-244-713-11	47 k	0.02
R164	1-244-705-11	22 k	0.02
R165	1-244-729-11	220 k	0.02
R166	-	-	-
R167	1-244-677-11	1.5 k	0.02
R168	1-244-657-11	220	0.02
R169	1-244-649-11	100	0.02
R170	1-244-709-11	33 k	0.02
R171	1-244-733-11	330 k	0.02
R172	1-244-693-11	6.8 k	0.02
R173	1-244-681-11	2.2 k	0.02
R174	1-206-690-11	12 k 2 W, metal oxide	0.04
R175	1-244-683-11	2.7 k	0.02
R176	-	-	-
R177	1-244-659-11	270	0.02
R178	1-206-690-11	12 k 2 W, metal oxide	0.04
R179	1-244-683-11	2.7 k	0.02
R180	-	-	-
R181	1-244-659-11	270	0.02
R182	1-206-690-11	12 k 2 W, metal oxide	0.04
R183	1-244-683-11	2.7 k	0.02
R184	-	-	-
R185	1-244-659-11	270	0.02
R186	1-244-653-11	150	0.02
R187	1-244-673-11	1 k	0.02

Ref. No.	Part No.	Description	Unit Price
R188	1-244-705-11	22 k	$0.02
R189	1-244-673-11	1 k	0.02
R190	1-244-705-11	22 k	0.02
R191	1-244-721-11	100 k	0.02
R192	1-244-721-11	100 k	0.02
R193	1-244-897-11	10 k 1/2 W	0.02
R194	1-244-699-11	12 k	0.02
R195	1-244-693-11	6.8 k	0.02
R201	1-244-622-11	7.5	0.02
R202	1-244-637-11	33	0.02
R203	1-244-617-11	4.7	0.02
R204	1-244-637-11	33	0.02
R205	1-244-663-11	390	0.02
R206	1-244-675-11	1.2 k	0.02
R207	1-244-665-11	470	0.02
R208	1-244-679-11	1.8 k	0.02
R209	1-244-695-11	8.2 k	0.02
R210	1-244-663-11	390	0.02
R211	1-244-687-11	3.9 k	0.02
R212	1-244-667-11	560	0.02
R213	1-244-687-11	3.9 k	0.02
R214	1-244-679-11	1.8 k	0.02
R215	1-244-689-11	4.7 k	0.02
R216	1-244-667-11	560	0.02
R217	1-242-657-11	220	0.02
R218	1-244-693-11	6.8 k	0.02
R219	1-244-675-11	1.2 k	0.02
R220	1-244-693-11	6.8 k	0.02
R221	1-244-669-11	680	0.02
R222	1-244-673-11	1 k	0.02
R223	1-244-699-11	12 k	0.02
R224	1-244-661-11	330	0.02
R225	1-244-669-11	680	0.02
R226	1-244-665-11	470	0.02
R227	1-244-697-11	10 k	0.02
R228	1-244-649-11	100	0.02
R229	1-244-673-11	1 k	0.02
R230	1-244-691-11	5.6 k	0.02
R231	1-244-659-11	270	0.02
R232	1-244-697-11	10 k	0.02
R233	1-244-673-11	1 k	0.02
R234	1-244-657-11	220	0.02

Ref. No..	Part No.	Description	Unit Price
R235	1-244-677-11	1.5 k	$0.02
R236	1-244-649-11	100	0.02
R237	1-244-649-11	100	0.02
R238	1-244-721-11	100 k	0.02
R239	1-244-689-11	4.7 k	0.02
R240	1-244-683-11	2.7 k	0.02
R241	1-244-665-11	470	0.02
R242	1-244-707-11	27 k	0.02
R243	1-244-658-11	240	0.02
R244	1-244-662-11	360	0.02
R245	1-244-663-11	390	0.02
R246	1-244-697-11	10 k	0.02
R247	1-244-673-11	1 k	0.02
R248	1-244-683-11	2.7 k	0.02
R249	1-244-705-11	22 k	0.02
R250	1-244-649-11	100	0.02
R251	-	-	-
R252	-	-	-
R253	-	-	-
R254	-	-	-
R255	1-244-649-11	100	0.02
R256	1-244-697-11	10 k	0.02
R257	1-244-699-11	12 k	0.02
R258	1-244-673-11	1 k	0.02
R259	1-244-689-11	4.7 k	0.02
R260	1-217-025-11	33 3 W, cement coated	0.06
R261	1-217-027-11	47 3 W, cement coated	0.06
R262	-	-	-
R263	1-244-857-11	220 1/2 W	0.02
R264	1-244-859-11	270 1/2 W	0.02
R265	1-244-685-11	3.3 k	0.02
R266	1-244-673-11	1 k	0.02
R267	1-244-673-11	1 k	0.02
R268	1-244-709-11	33 k	0.02
R300	1-244-673-11	1 k	0.02
R301	1-244-679-11	1.8 k	0.02
R302	1-244-669-11	680	0.02
R303	1-244-695-11	8.2 k	0.02
R304	1-244-685-11	3.3 k	0.02
R305	1-244-655-11	180	0.02
R306	1-244-669-11	680	0.02
R307	1-244-681-11	2.2 k	0.02

Ref. No.	Part No.	Description	Unit Price
R308	1-244-653-11	150	$0.02
R309	1-244-693-11	6.8 k	0.02
R310	1-244-693-11	6.8 k	0.02
R311	1-244-697-11	10 k	0.02
R312	1-244-705-11	22 k	0.02
R313	1-244-657-11	220	0.02
R314	1-244-677-11	1.5 k	0.02
R315	1-244-653-11	150	0.02
R316	1-244-653-11	150	0.02
R317	1-244-653-11	150	0.02
R318	1-244-705-11	22 k	0.02
R319	1-244-699-11	12 k	0.02
R320	1-244-671-11	820	0.02
R321	1-244-645-11	68	0.02
R322	1-244-661-11	330	0.02
R323	1-244-673-11	1 k	0.02
R324	1-244-657-11	220	0.02
R325	1-244-657-11	220	0.02
R326	1-244-653-11	150	0.02
R327	1-244-701-11	15 k	0.02
R328	1-244-693-11	6.8 k	0.02
R329	1-244-665-11	470	0.02
R330	1-244-649-11	100	0.02
R331	1-244-653-11	150	0.02
R332	1-244-701-11	15 k	0.02
R333	1-244-653-11	150	0.02
R334	1-244-653-11	150	0.02
R335	1-244-697-11	10 k	0.02
R336	1-244-673-11	1 k	0.02
R337	-	-	-
R338	-	-	-
R339	-	-	-
R340	-	-	-
R341	1-244-635-11	27	0.02
R342	1-244-657-11	220	0.02
R343	1-244-701-11	15 k	0.02
R344	1-244-693-11	6.8 k	0.02
R345	1-244-637-11	33	0.02
R346	1-244-665-11	470	0.02
R347	1-244-693-11	6.8 k	0.02
R348	1-244-701-11	15 k	0.02
R349	1-244-693-11	6.8 k	0.02
R350	1-244-697-11	10 k	0.02

Ref. No.	Part No.	Description	Unit Price
R351	1-244-673-11	1 k	$0.02
R352	1-244-697-11	10 k	0.02
R353	1-244-681-11	2.2 k	0.02
R354	1-244-661-11	330	0.02
R355	1-244-663-11	390	0.02
R356	1-244-681-11	2.2 k	0.02
R357	-	-	-
R358	1-244-657-11	220	0.02
R359	1-244-701-11	15 k	0.02
R360	1-244-685-11	3.3 k	0.02
R361	1-244-653-11	150	0.02
R362	1-244-675-11	1.2 k	0.02
R363	1-244-637-11	33	0.02
R364	1-244-661-11	330	0.02
R365	1-244-633-11	22	0.02
R366	1-244-701-11	15 k	0.02
R367	1-244-685-11	3.3 k	0.02
R368	1-244-653-11	150	0.02
R369	1-244-675-11	1.2 k	0.02
R370	1-244-637-11	33	0.02
R371	1-244-661-11	330	0.02
R372	1-244-709-11	33 k	0.02
R373	1-244-681-11	2.2 k	0.02
R374	1-244-659-11	270	0.02
R375	1-244-649-11	100	0.02
R376	1-244-661-11	330	0.02
R377	1-244-661-11	330	0.02
R378	1-244-689-11	4.7 k	0.02
R379	1-244-689-11	4.7 k	0.02
R380	1-244-673-11	1 k	0.02
R381	1-244-673-11	1 k	0.02
R382	1-244-697-11	10 k	0.02
R383	1-244-681-11	2.2 k	0.02
R384	1-244-661-11	330	0.02
R385	1-244-663-11	390	0.02
R386	1-244-701-11	15 k	0.02
R387	1-244-685-11	3.3 k	0.02
R388	1-244-653-11	150	0.02
R389	1-244-637-11	33	0.02
R390	1-244-661-11	330	0.02
R391	1-244-675-11	1.2 k	0.02
R392	1-244-701-11	15 k	0.02
R393	1-244-685-11	3.3 k	0.02

Ref. No.	Part No.	Description	Unit Price
R394	1-244-653-11	150	$0.02
R395	1-244-675-11	1.2 k	0.02
R396	1-244-637-11	33	0.02
R397	1-244-661-11	330	0.02
R398	1-244-709-11	33 k	0.02
R399	1-244-681-11	2.2 k	0.02
R400	1-244-659-11	270	0.02
R401	1-244-649-11	100	0.02
R402	1-244-681-11	2.2 k	0.02
R403	1-244-671-11	820	0.02
R404	1-244-651-11	120	0.02
R405	1-244-669-11	680	0.02
R406	1-244-673-11	1 k	0.02
R407	1-244-673-11	1 k	0.02
R408	1-244-673-11	1 k	0.02
R415	1-244-667-11	560	0.02
R416	1-244-701-11	15 k	0.02
R417	1-244-715-11	56 k	0.02
R418	1-244-695-11	8.2 k	0.02
R419	1-244-681-11	2.2 k	0.02
R420	1-244-625-11	10	0.02
R421	1-244-663-11	390	0.02
R422	1-244-713-11	47 k	0.02
R423	1-244-673-11	1 k	0.02
R424	1-244-707-11	27 k	0.02
R425	1-244-653-11	150	0.02
R426	1-244-683-11	2.7 k	0.02
R427	1-244-637-11	33	0.02
R428	1-244-661-11	330	0.02
R429	1-244-653-11	150	0.02
R430	1-244-685-11	3.3 k	0.02
R431	1-244-675-11	1.2 k	0.02
R432	1-244-657-11	220	0.02
R433	1-244-665-11	470	0.02
R434	1-244-673-11	1 k	0.02
R435	1-244-661-11	330	0.02
R436	1-244-661-11	330	0.02
R437	1-244-689-11	4.7 k	0.02
R438	1-244-689-11	4.7 k	0.02
R439	1-244-673-11	1 k	0.02
R440	1-244-661-11	330	0.02
R441	1-244-715-11	56 k	0.02
R442	1-244-713-11	47 k	0.02

Ref. No.	Part No.	Description	Unit Price
R443	1-244-661-11	330	0.02
R444	1-244-669-11	680	0.02
R445	1-244-681-11	2.2 k (Serial No. up to 25,300)	0.02
R445	1-244-663-11	390 (Serial No. 25,301 and later)	0.02
R446	1-244-653-11	150	0.02
R447	1-244-661-11	330	0.02
R448	1-244-701-11	15 k	0.02
R449	1-244-709-11	33 k	0.02
R450	1-244-709-11	33 k	0.02
R451	1-244-661-11	330	0.02
R452	1-244-681-11	2.2 k	0.02
R453	1-244-715-11	56 k	0.02
R454	1-244-705-11	22 k	0.02
R455	1-244-709-11	33 k	0.02
R456	1-244-697-11	10 k	0.02
R457	1-244-681-11	2.2 k	0.02
R458	1-244-685-11	3.3 k	0.02
R459	1-244-659-11	270	0.02
R460	1-244-697-11	10 k	0.02
R461	1-244-685-11	3.3 k	0.02
R462	1-244-697-11	10 k	0.02
R463	1-244-713-11	47 k	0.02
R464	1-244-649-11	100	0.02
R465	1-244-697-11	10 k	0.02
R466	1-244-725-11	150 k	0.02
R467	1-244-697-11	10 k	0.02
R468	1-244-697-11	10 k	0.02
R469	1-244-697-11	10 k	0.02
R470	1-244-709-11	33 k	0.02
R471	1-244-709-11	33 k	0.02
R472	1-244-661-11	330	0.02
R473	1-244-685-11	3.3 k	0.02
R474	1-244-685-11	3.3 k	0.02
R475	1-244-709-11	33 k	0.02
R476	1-244-705-11	22 k	0.02
R501	1-244-910-11	36 k 1/2 W	0.02
R502	1-244-705-11	22 k	0.02
R503	1-244-707-11	27 k	0.02
R504	1-244-699-11	12 k	0.02
R505	1-244-637-11	33	0.02
R506	-	-	-
R507	1-244-697-11	10 k	0.02

Ref. No.	Part No.	Description	Unit Price
R508	1-244-685-11	3.3 k	$0.02
R509	1-244-625-11	10	0.02
R510	1-244-691-11	5.6 k	0.02
R511	1-244-643-11	56	0.02
R512	1-244-681-11	2.2 k	0.02
R513	1-244-679-11	1.8 k	0.02
R514	1-244-691-11	5.6 k	0.02
R515	1-244-705-11	22 k	0.02
R516	1-244-705-11	22 k	0.02
R517	1-244-677-11	1.5 k	0.02
R518	1-244-701-11	15 k	0.02
R519	1-244-621-11	6.8	0.02
R520	1-207-459-11	0.47 1/2 W, wirewound	0.03
R521	1-244-683-11	2.7 k	0.02
R522	1-207-467-11	2.2 1/2 W, wirewound	0.03
~~R523~~	~~1-244-685-11~~	~~3.3 k~~	~~0.02~~
R524	1-244-691-11	5.6 k	0.02
R525	1-244-689-11	4.7 k	0.02
R526	1-244-849-11	100 1/2 W	0.02
R527	1-206-479-11	47 2 W, metal oxide	0.03
R528	1-244-649-11	100	0.02
R529	1-206-646-11	180 2 W, metal oxide	0.04
R530	1-244-869-11	680 1/2 W	0.02
R531	-	-	-
R532	-	-	-
R533	1-244-701-11	15 k	0.02
R534	1-244-665-11	470	0.02
R535	1-244-663-11	390	0.02
R536	1-244-857-11	220 1/2 W	0.02
R537	1-244-687-11	3.9 k	0.02
R538	1-244-687-11	3.9 k	0.02
R539	1-244-701-11	15 k	0.02
R540	1-244-703-11	18 k	0.02
R541	1-206-670-11	1.8 k 2 W, metal oxide	0.04
R542	1-202-595-11	8.2 k 1/2 W, composition	0.02
R543	1-244-677-11	1.5 k	0.02
R544	1-244-697-11	10 k	0.02
R545	1-244-673-11	1 k	0.02
R546	1-244-673-11	1 k	0.02
R547	1-244-695-11	8.2 k	0.02
R548	1-244-669-11	680	0.02
R549	1-244-685-11	3.3 k	0.02
R550	1-244-695-11	8.2 k	0.02
R551	1-244-669-11	680	0.02

Ref. No.	Part No.	Description	Unit Price
R552	1-244-649-11	100	$0.02
R553	1-244-641-11	47	0.02
R554	1-211-940-11	1.2 k	0.02
R555	1-211-935-11	1 k	0.02
R556	-	-	-
R557	-	-	-
R558	-	-	-
R559	1-202-525-11	10 1/2 W, composition	0.02
R560	-	-	-
R561	1-206-479-11	47 2 W, metal oxide	0.03
R601	-	-	-
R602	-	-	-
R603	1-211-931-11	68 1/8 W	0.02
~~R604~~	~~1-244-829-11~~	~~15 1/2 W~~	~~0.02~~
R605	1-202-639-11	560 k 1/2 W, composition	0.02
R606	1-244-683-11	2.7 k	0.02
R607	1-244-905-11	22 k 1/2 W	0.02
R608	1-202-625-11	150 k 1/2 W, composition	0.02
R609	1-244-907-11	27 k 1/2 W	0.02
R610	1-244-881-11	2.2 k 1/2 W	0.02
R611	1-244-917-11	68 k 1/2 W	0.02
R612	1-217-007-11	1 3 W, cement coated	0.06
R613	1-202-605-11	22 k 1/2 W, composition	0.02
R614	-	-	-
R615	-	-	-
R616	1-244-673-11	1 k	0.02
R617	1-244-717-11	68 k	0.02
R618	1-209-177-21	22 k 1 W	0.02
R619	1-206-735-11	2.7 k 3 W, metal oxide	0.06
R620	1-244-863-11	390 1/2 W	0.02
R621	-	-	-
R622	1-207-903-13	10 0.25 A, fuse	0.08
*R623	1-206-709-11	220 3 W, metal oxide	0.06
*R623	1-206-711-11	270 3 W, metal oxide (Serial No. up to 13,100)	0.06
*R623	1-206-713-11	330 3 W, metal oxide	0.06
R623	1-206-709-11	220 3 W, metal oxide (Serial No. 13,101 and later)	0.06
R630	1-244-649-11	100	0.02
R631	1-244-683-11	2.7 k	0.02
R632	1-244-685-11	3.3 k	0.02
R633	1-244-685-11	3.3 k	0.02
R634	1-244-837-11	33 1/2 W	0.02
R635	1-211-431-11	150 1/8 W	0.02

* should be selected.

Ref. No.	Part No.	Description	Unit Price
R651	1-202-637-11	470 k 1/2 W, composition	$0.02
R652	1-202-609-31	33 k 1/2 W, composition	0.02
R653	1-202-609-31	33 k 1/2 W, composition	0.02
R654	1-202-609-31	33 k 1/2 W, composition	0.02
R655	1-202-637-11	470 k 1/2 W, composition	0.02
R656	1-202-629-31	220 k 1/2 W, composition	0.02
R657	1-202-585-11	3.3 k 1/2 W, composition	0.02
R658	1-202-585-11	3.3 k 1/2 W, composition	0.02
R659	1-202-585-11	3.3 k 1/2 W, composition	0.02
R660	1-202-573-11	1 k 1/2 W, composition	0.02
R661	1-202-625-31	150 k 1/2 W, composition	0.02
R662	1-202-625-31	150 k 1/2 W, composition	0.02
R751	1-244-679-11	1.8 k	0.02
R752	1-244-696-11	9.1 k	0.02
R753	1-244-667-11	560	0.02
R754	1-244-661-11	330	0.02
R755	1-244-685-11	3.3 k	0.02
R756	1-244-685-11	3.3 k	0.02
R757	1-244-697-11	10 k	0.02
R758	1-244-679-11	1.8 k	0.02
R759	1-244-635-11	27	0.02
R760	1-244-667-11	560	0.02
R761	1-244-685-11	3.3 k	0.02
R762	1-244-649-11	100	0.02
R763	1-244-653-11	150	0.02
R801	1-244-696-11	9.1 k	0.02
R802	-	-	-
R803	1-217-007-11	1 3 W, cement coated	0.06
R804	1-217-007-11	1 3 W, cement coated	0.06
R805	1-207-645-11	0.47 3 W, wirewound	0.06
R806	-	-	-
*R807	1-217-005-11	0.68 3 W, cement coated	0.06
*R807	1-217-008-11	1.2 3 W, cement coated (Serial No. up	0.06
*R807	1-217-010-11	1.8 3 W, cement coated to 25,300)	0.06
*R807	1-217-009-11	1.5 3 W, cement coated	0.06
*R807	1-217-010-11	1.8 3 W, cement coated (Serial No.25,301	0.06
*R807	1-217-012-11	2.7 3 W, cement coated and later)	0.06
*R808	1-217-018-11	8.2 3 W, cement coated	0.06
*R808	1-217-020-11	12 3 W, cement coated	0.06
*R808	1-217-021-11	15 3 W, cement coated	0.06
*R808	1-217-022-11	18 3 W, cement coated	0.06
R851	1-217-119-11	33 7 W, cement coated	0.08
R852	1-217-017-11	6.8 3 W, cement coated	0.06
R853	1-244-689-11	4.7 k	0.02
R854	1-244-665-11	470	0.02
R855	1-244-633-11	22	0.02

* should be selected.

Ref. No.	Part No.	Description	Unit Price
R901	1-244-643-11	56	$0.02
R902	1-244-889-11	4.7 k 1/2 W	0.02
R903	1-244-889-11	4.7 k 1/2 W	0.02
R904	1-205-478-11	270 20 W, cemenet coated	0.02
R905	-	-	-
R906	-	-	-
R907	-	-	-
R908	1-205-477-11	100 40 W, cement coated	0.26
R909	-	-	-
R910	1-202-668-11	9.1 M, 1/2 W, composition (Serial No. up to 15,700)	0.02
R910	1-202-653-11	2.2 M, 1/2 W, composition (Serial No. 15,701 and later)	0.02
R911	1-207-960-11	15 7 W, wirewound	0.08
R912	1-244-661-11	330	0.02
R920	1-202-668-11	9.1 M, 1/2 W, composition (Serial No. up to 15,700)	0.02
R920	1-202-653-11	2.2 M, 1/2 W, composition (Serial No. 15,701 and later)	0.02
VR151	1-222-515-00	330-B, adjustable; B DRIVE	0.06
VR152	1-222-515-00	330-B, adjustable; G DRIVE	0.06
VR153	1-222-515-00	330-B, adjusgable; R DRIVE	0.06
VR201	1-222-516-00	470-B, adjustable; TU AGC	0.06
VR202	1-222-516-00	470-B, adjustable; TRAP adj	0.06
VR203	1-222-517-00	1 k-B, adjustable; IF AGC	0.06
VR301	1-222-516-00	470-B, adjustable; EQ GAIN	0.06
VR302	1-222-516-00	470-B, adjustable; MIX adj	0.06
VR303	1-222-518-00	4.7 k-B, adjustable; HUE adj	0.06
VR304	1-222-517-00	1 k-B, adjustable; KILLER	0.06
VR305	1-222-785-00	2.2 k-B, adjustable; ID AGC	0.06
VR306	1-222-518-00	4.7 k-B, adjustable; PULSE PHASE	0.06
VR501	1-222-725-00	20 k-B, adjustable; V SIZE	0.08
VR502	1-222-512-00	10 k-B, adjustable; V LIN	0.08
VR503	-	-	-
VR504	1-223-019-00	300-B, 3 W, adjustable; V CENT	0.35
VR505	1-222-725-00	20 k-B, adjustable; H FREQ	0.08
VR601	1-222-785-00	2.2 k-B, adjustable; +110 V adj	0.06
VR602	1-221-961-00	250 k-B, adjustable; R BKG	0.10
VR603	1-221-961-00	250 k-B, adjustable; G BKG	0.10
VR604	1-221-961-00	250 k-B, adjustable; B BKG	0.10
VR605	1-222-780-00	500 k-B, adjustable; SCRN	0.13

Ref. No.	Part No.	Description	Unit Price
VR606	1-222-787-00	10 k-B, adjustable; PIN adj	$0.06
VR607	-	-	-
VR608	1-222-344-00	5 k-B, adjustable; H SIZE	0.08
VR609	1-223-020-00	50 -B, adjustable; H CENT	0.15
VR801	1-222-486-00	1 M-B, variable resistor H STAT; included in selenium rectifier block ass'y	0.80
VR901	1-222-388-00	20 k-B, variable; BRT	0.12
VR902	1-222-388-00	20 k-B, variable; VER	0.12
VR903	1-222-383-00	1 k-B, variable; PICTURE	0.37
VR904	1-222-624-00	50 k-D, variable; PULL ON/VOL	0.95
VR905	1-222-386-00	500 -B, variable; COLOUR	0.12
VR906	1-222-386-00	500 -B, variable; HUE	0.12

Miscellaneous

DL301	1-415-046-00	Delay Line	4.14
DL151	1-415-047-00	Delay Line	0.38
L903, L904, L905	1-451-069-61	Deflection Yoke	7.68
	1-452-014-00	Magnet, small disk; 15 mm dia	0.02
	1-452-051-00	Trimmer Plate	0.20
	1-452-052-00	Neck Ass'y, picture tube	0.81
DC801	1-453-032-16	Selenium Rectifier Block Ass'y; including	11.44
	1-102-213-11	Capacitor, high voltage	0.31
	1-206-987-11	Resistor, high voltage	1.20
	1-222-486-00	Resistor, variable (VR801)	0.80
	1-526-199-41	Cap, high voltage	0.80
SP901	1-502-318-00	Speaker	0.53
	1-506-187-71	Plug with Cable	0.19
CN101	1-508-457-00	Antenna Connector	0.48
CB901	1-515-144-11	Circuit Breaker	0.43
S903	1-516-002-00	Switch, push; AFT	0.24
	1-526-091-00	Socket, picture tube	0.14
	1-526-144-00	Lead Cap, flyback transformer	0.05
X301	1-527-183-00	Crystal	0.86
X302	1-527-183-00	Crystal	0.86
F901	1-532-203-00	Fuse, 2 AT	0.11
	1-533-075-00	Holder, fuse	0.12
	1-534-777-00	Cord, power	0.34

Ref. No.	Part No.	Description	Unit Price
	1-536-410-00	Terminal Lug, 1L2L2	$0.05
	1-536-281-00	Terminal Lug, L2L2L	0.03
	1-581-755-00	Antenna Board	0.08
V901	8-735-601-00	Picture Tube (470-BEB-22)	71.00

IV. CARTON AND ACCESSORIES

3-793-520-82	Guaranty Card	0.01
4-306-028-00	Protection Sheet	0.11
4-306-133-00	Cushion, upper	0.20
4-306-134-00	Cushion, bottom; right	0.23
4-306-135-00	Cushion, bottom; left	0.23
4-308-125-00	Packing Carton	1.41
4-493-293-11	Caution Card	0.04
4-495-377-81	Instruction Manual	0.11

Ref. No.	Part No.	Description
		MISCELLANEOUS
DL301	1-415-046-00	delay line
DL151	1-415-047-00	delay line
L903 L904 L905	1-451-069-61	deflection yoke
	1-452-014-00	magnet, small disk; 15 mm dia
	1-452-051-00	magnet, convergence
	1-452-052-00	neck ass'y, picture tube
DC801	1-453-032-16	selenium rectifier block ass'y; including
	1-102-213-11	capacitor, high voltage
	1-206-987-11	resistor, high voltage
	1-222-486-00	resistor, variable (VR801)
	1-526-199-41	cap, high voltage
	1-531-051-00	selenium rectifier
SP901	1-502-318-00	speaker
	1-506-187-71	plug with cable
CN101	1-508-457-00	antenna connector
CB901	1-515-144-11	circuit breaker
S903	1-516-002-00	switch, push; AFT
	1-526-091-00	socket, pictue tube
	1-526-144-00	lead cap, flyback transformer
X301	1-527-183-00	crystal
X302	1-527-183-00	crystal
F901	1-532-203-00	fuse, 2AT
	1-533-075-00	holder, fuse
	1-534-777-00	cord, power
	1-536-410-00	terminal lug, 1L2L2
	1-536-281-00	terminal lug, L2L2L
	1-581-755-00	antenna board
V901	8-735-601-00	picture tube (470-BEB-22)

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