

TV 9-51UW



Specifications

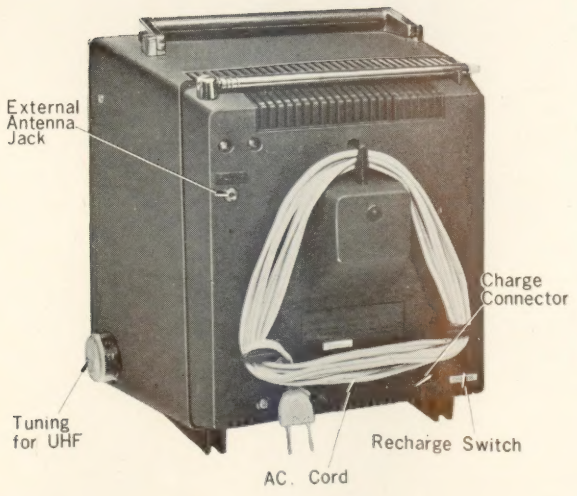
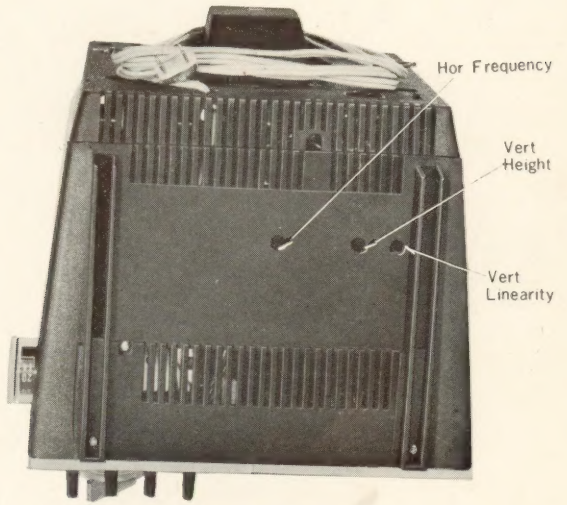
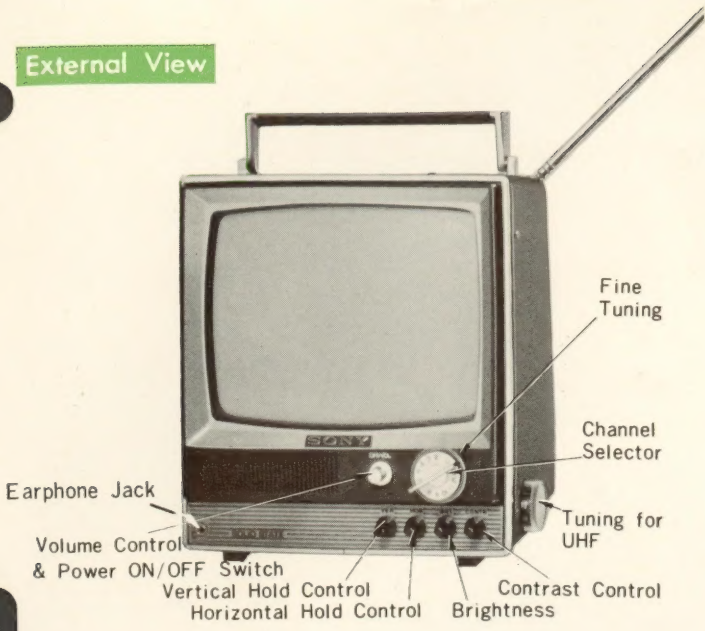
Picture Tube :	9", 90° Deflection, 20 mm Neck Dia., Aluminized Screen
Transistor :	24 (6 Silicon-including 5 Epitaxial, 18 Germanium)
Diode :	18 (including 4 Selenium Rectifier)
Channel Coverage :	A2 A13 VHF, and A14 A83 UHF
Maximum Sensitivity :	5 μ V/m (10 Vp-p) both in VHF and UHF
IF Circuit :	3 Stages with 4 Stagger Tuned Elements Video IF 45.75 Mc, Sound IF 41.25 Mc, Bandwidth 3.2 Mc
Resolution :	Vertical 350 lines, Horizontal 320 lines
Sound System :	4.5 Mc Intercarrier System
	Power Output Stage, SEPP-OTL system, 300 mW
	Speaker, 4" \times 2-1/2" Oval Type, 40 Ω Voice Coil
Automatic Control :	Keyed AGC, Balanced Diode AFC
Power Requirement :	AC 117 V, 60 c/s, DC 12 V
Power Consumption :	AC 23 W, DC 15 W
Dimensions :	10" \times 9" \times 8-5/8"
	252 (H) \times 228 (W) \times 219 (D)mm
Weight :	10 lbs. (4.6 Kgs.)
Glare Proofing :	Smoked Filter, 70% Transparency

SONY[®]
SERVICING GUIDE

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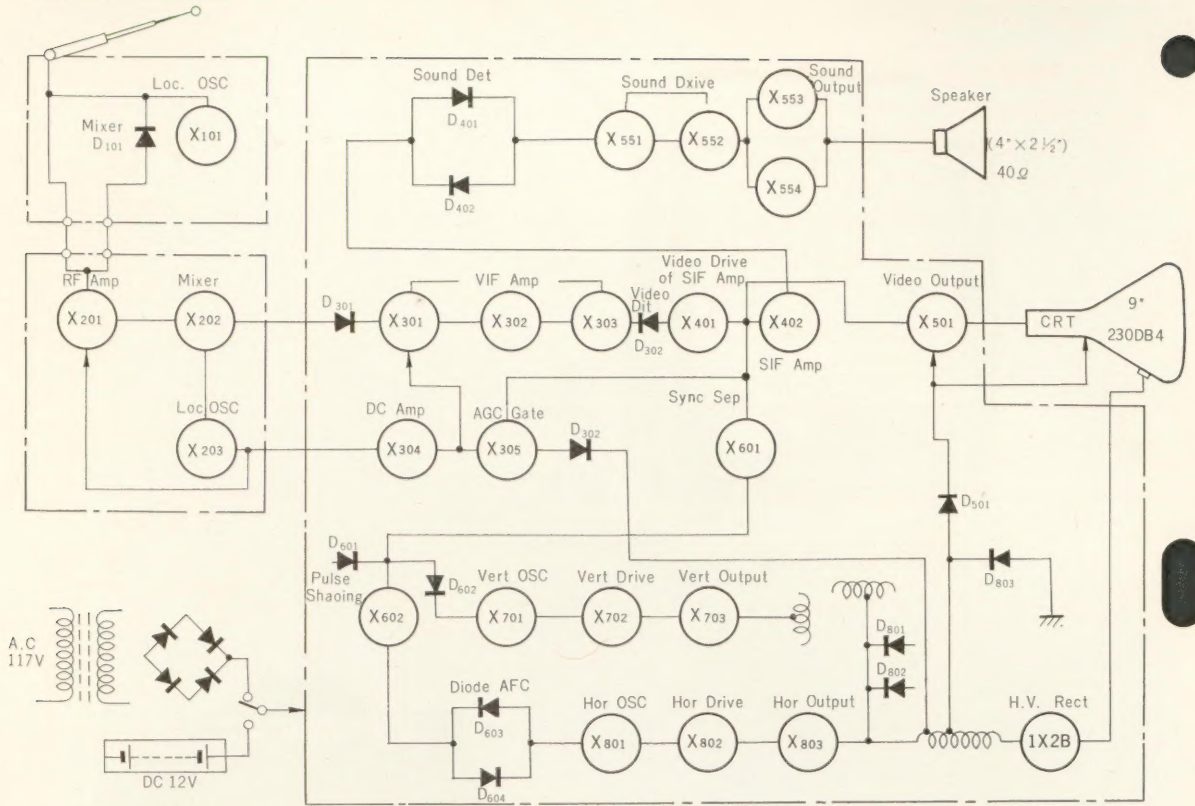
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External View

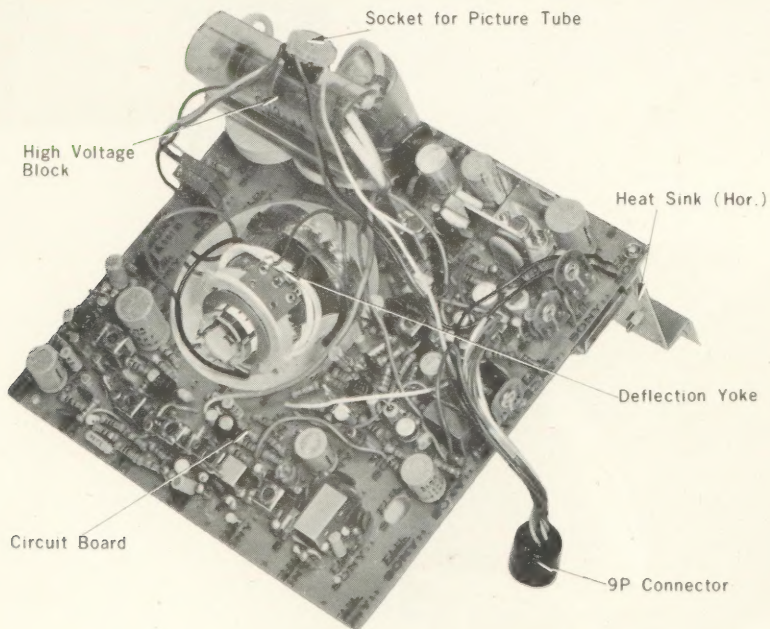


slow = may low something

Block Diagram



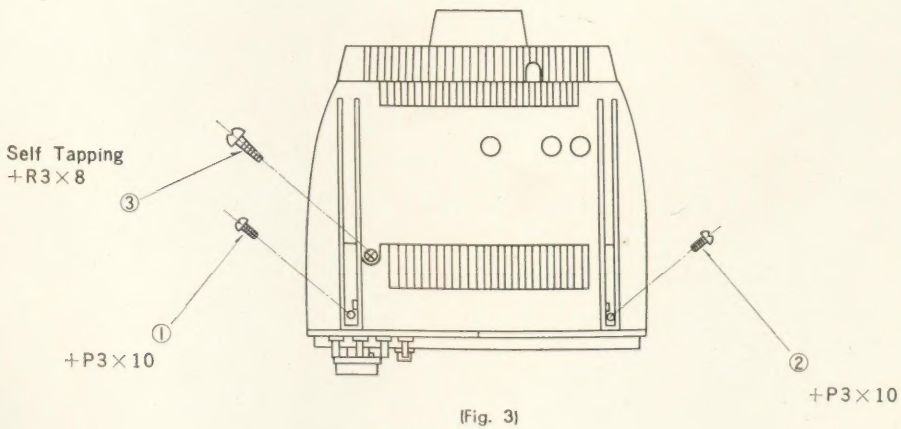
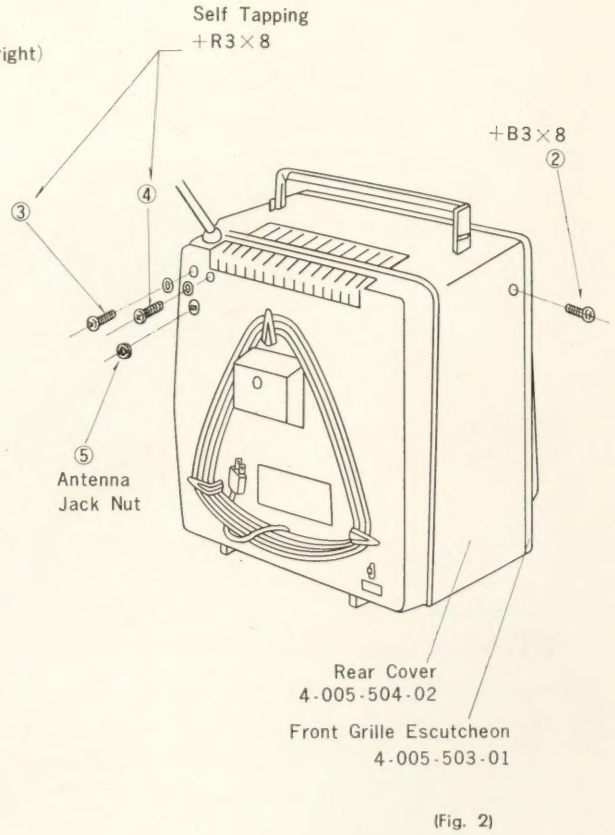
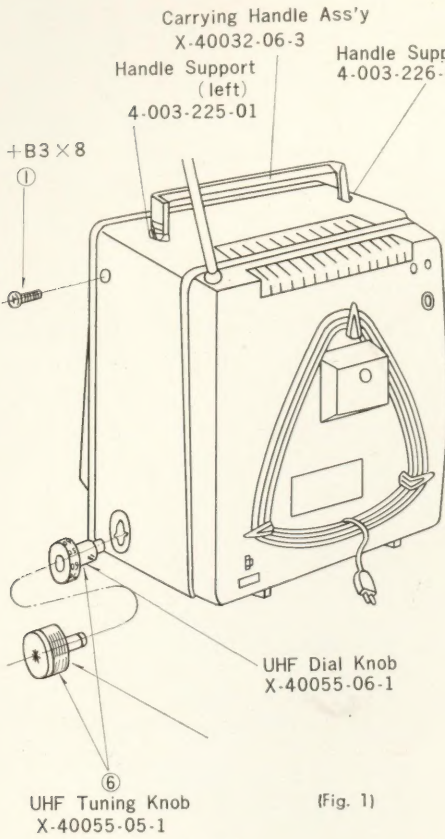
Major Parts Location

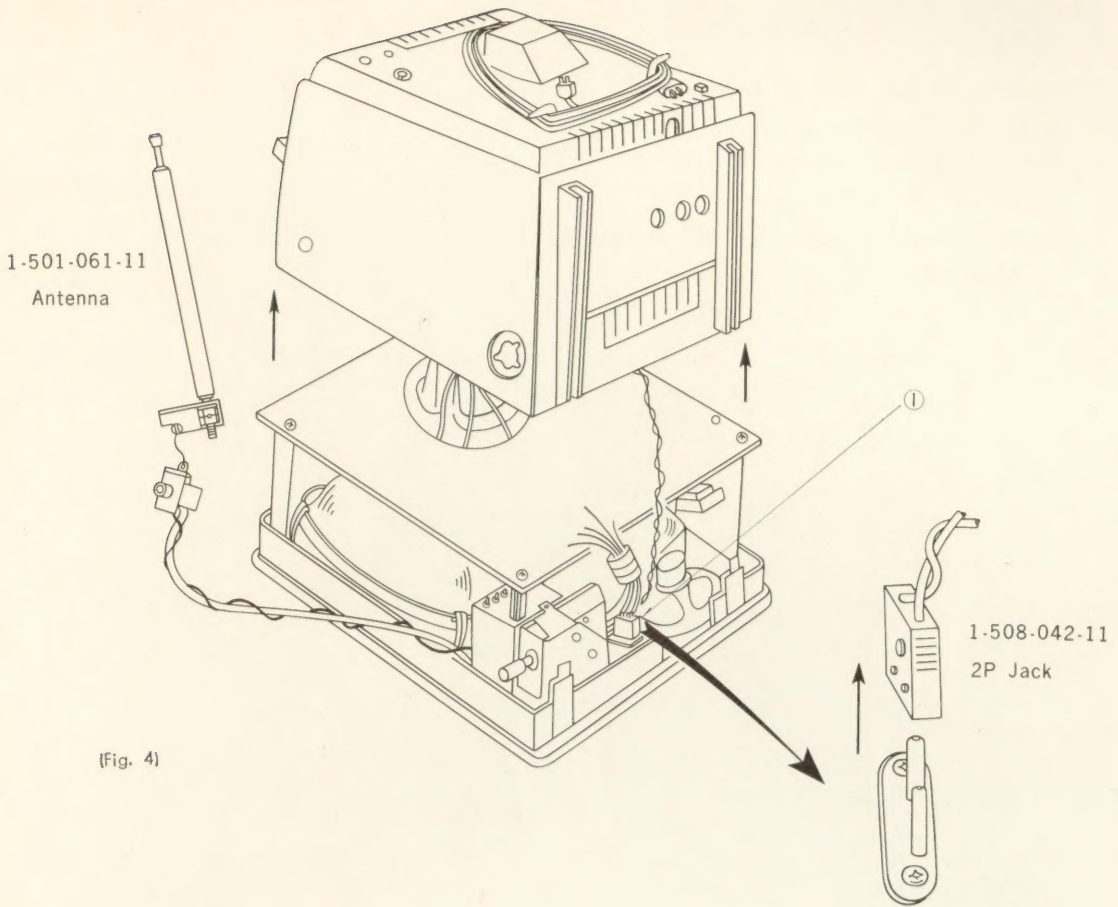


Method of Disassembling the Set

To Remove the Back Cabinet Cover

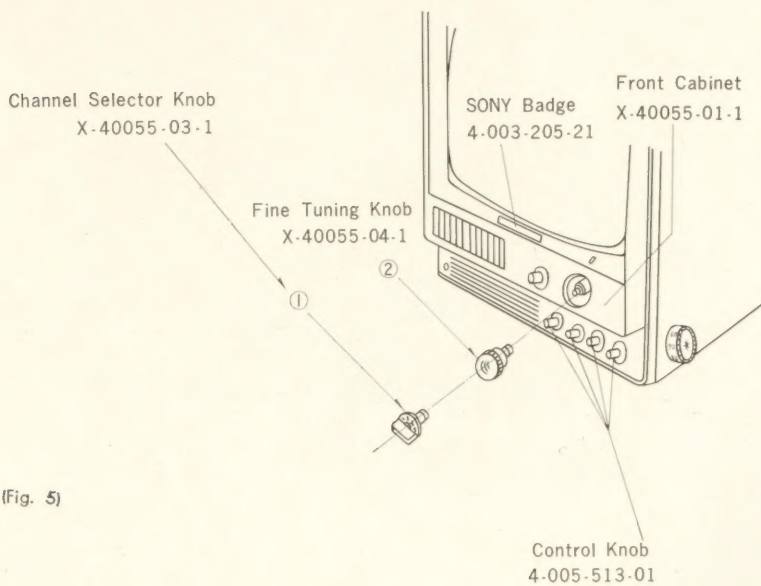
1. Remove the four Screws (①, ②, ③ and ④ in Fig. 1, 2).
2. Remove the Antenna Jack Nut (⑤ in Fig. 2).
3. Pull off the UHF Channel Selector.
4. Remove the three Screws (①, ② and ③ in Fig. 3).
5. Pull off the 2P Jack (① in Fig. 4).

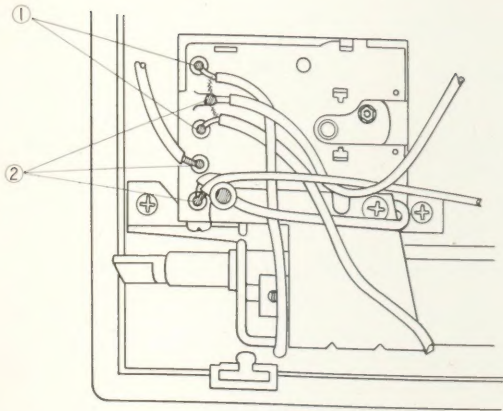




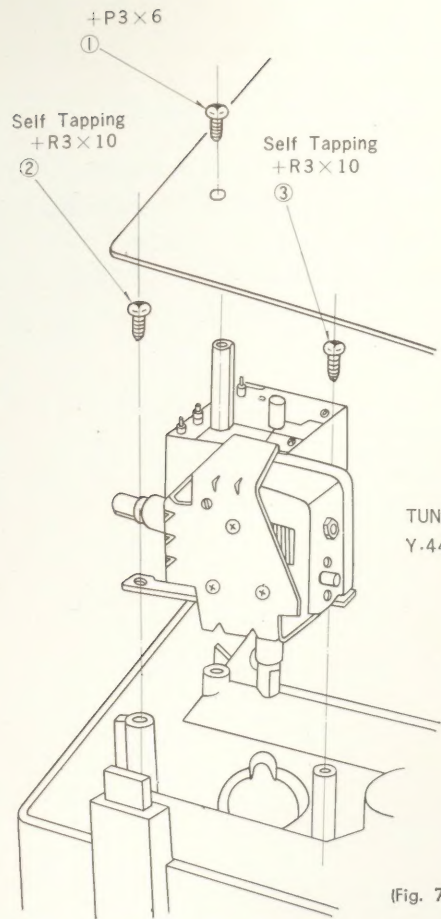
To Remove the Tuner

1. Pull off the Channel Selector and the Fine Tuning Knobs (① and ② in Fig. 5).
2. Remove the three Screws (①, ② and ③ in Fig. 7).
3. Unsolder the Shielded leads (① in Fig. 6) and the four leads (Black, Brown, Orange and Yellow) (② in Fig. 6).





(Fig. 6)

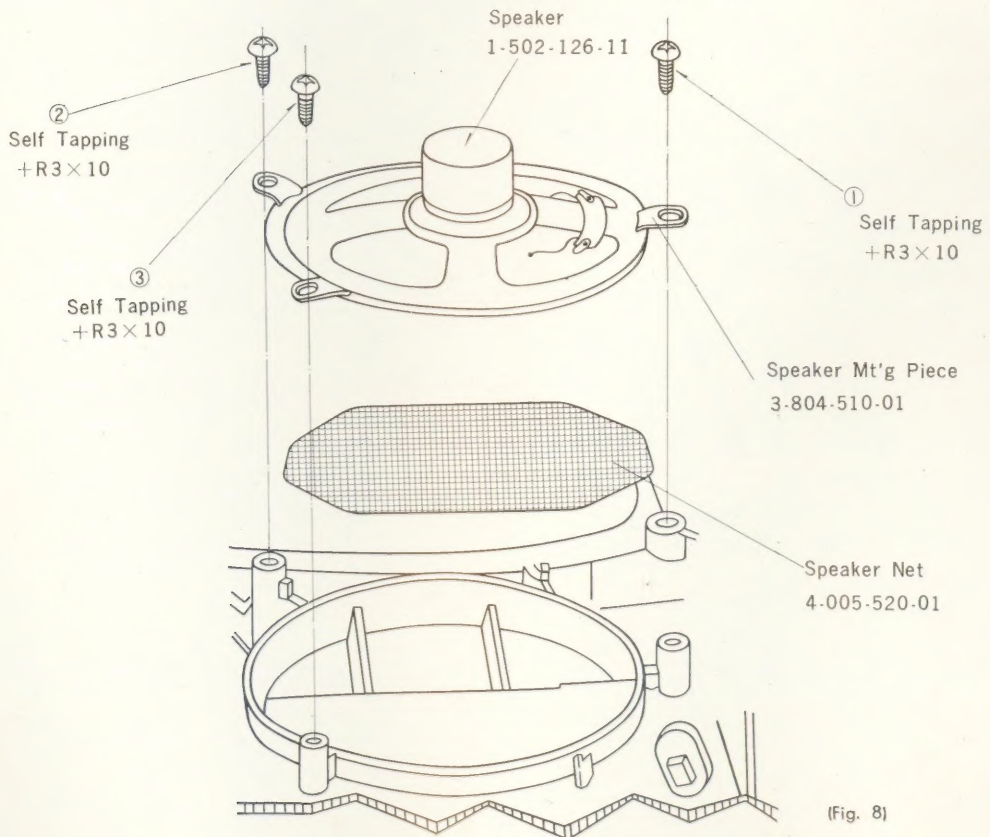


TUNER Block
Y-44050-25-1

(Fig. 7)

To Remove the Speaker

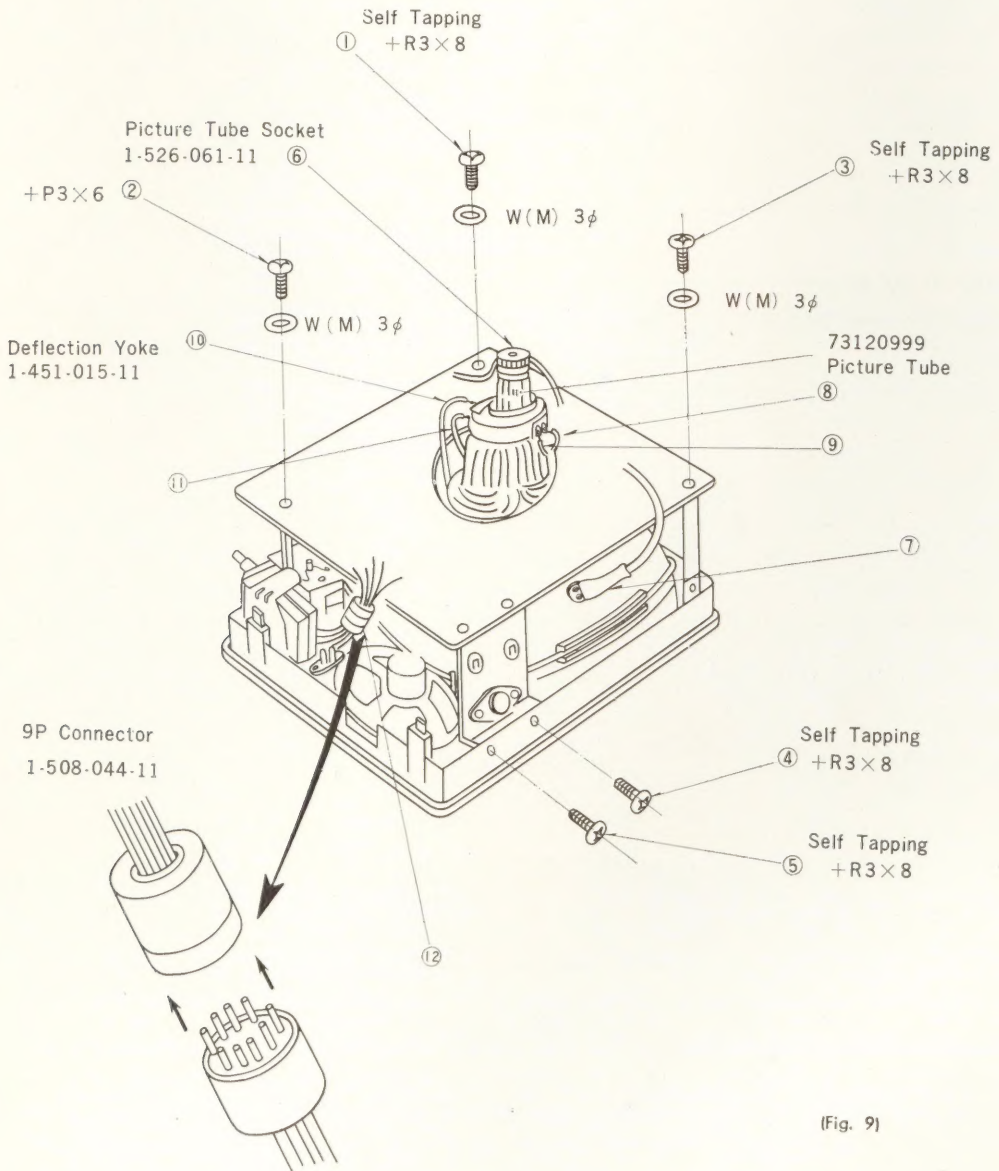
1. Remove the three Screws (1), (2) and (3) in Fig. 8).



(Fig. 8)

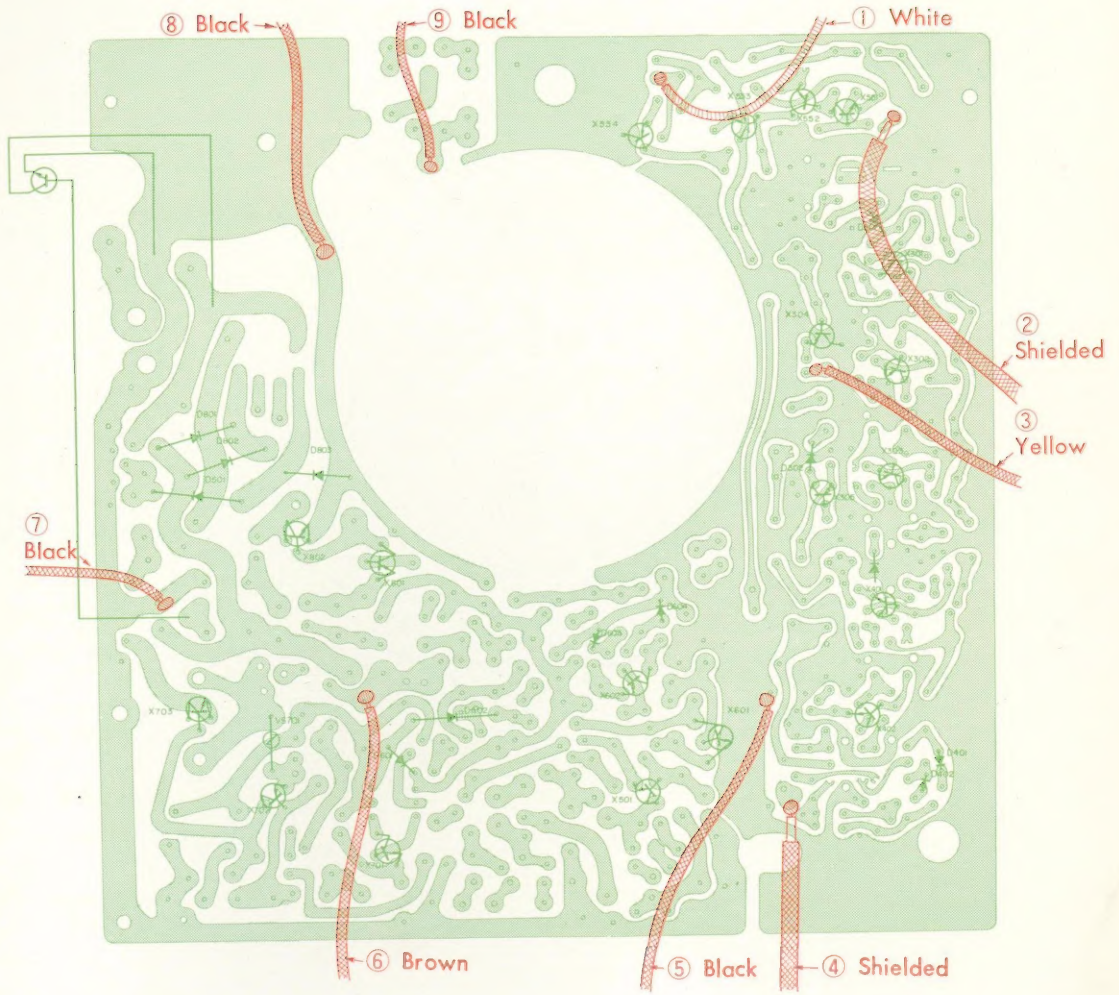
To Remove the Circuit Board

1. Remove the five Screws (①, ②, ③, ④ and ⑤ in Fig. 9).
2. Disconnect Picture Tube Socket (⑥ in Fig. 9).
3. Remove the Anode Cap (⑦ in Fig. 9).
4. Unsolder the four Deflection Yoke leads (Black, Red, Green, and Gray) (⑧, ⑨, ⑩ and ⑪ in Fig. 9).
5. Disconnect 9P Socket (⑫ in Fig. 9).
6. Unsolder seven leads (①, ③, ⑤, ⑥, ⑦, ⑧ and ⑨ in Fig. 10) and two shielded wires (② and ④ in Fig. 10) from the printed side of the Circuit Board.



(Fig. 9)

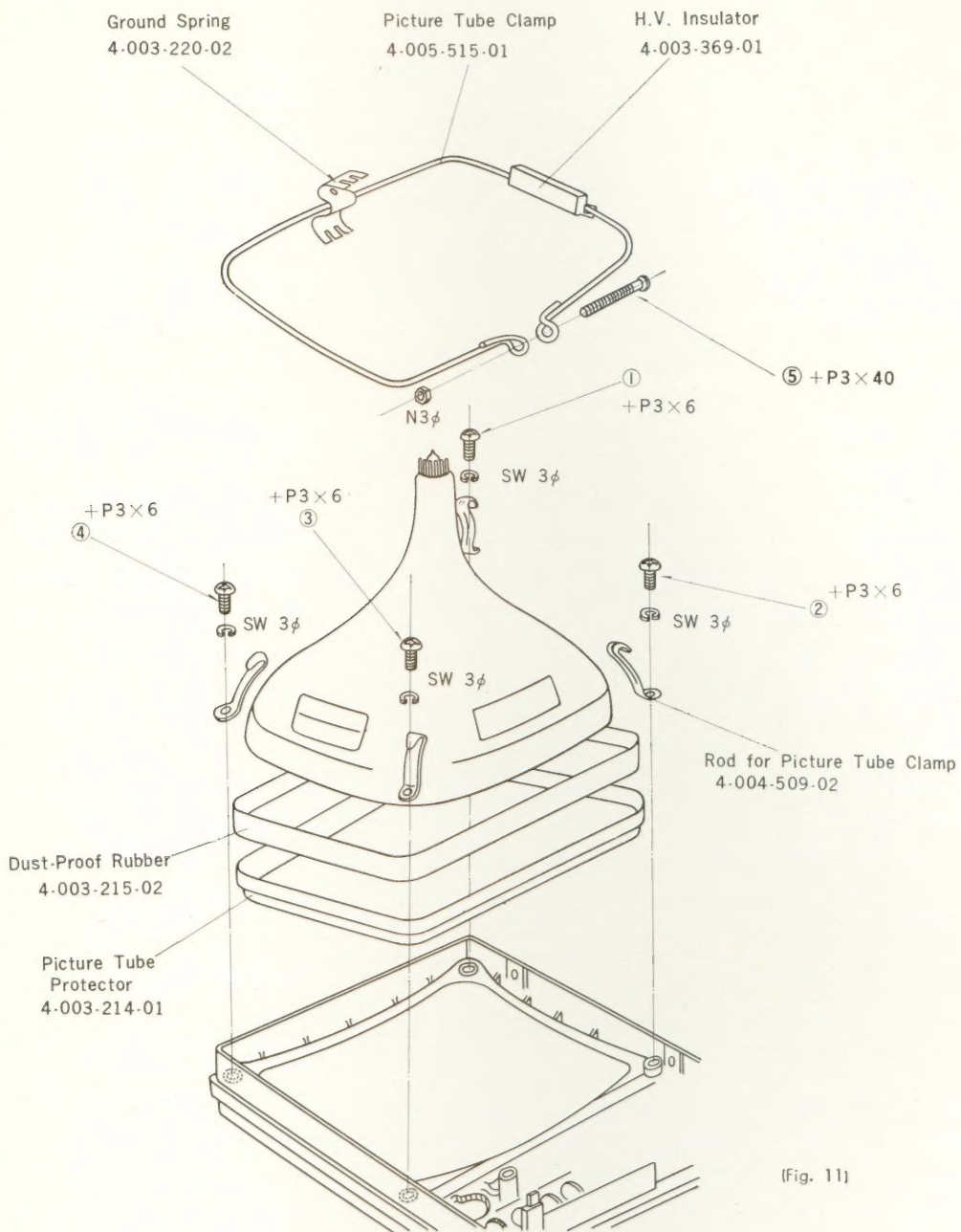
Wire Connection on the Circuit Board



(Fig.10)

To Remove the Picture Tube

1. Loosen the Picture Tube Clamp Screw (⑤ in Fig. 11).
2. Remove the four Screws (①, ②, ③ and ④ in Fig. 11).



(Fig. 11)

Adjustment Procedures

A. VIF Response Curve Adjustments

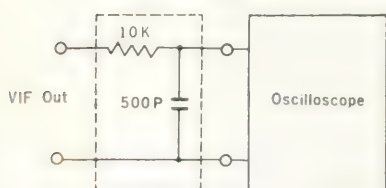
Pre-Alignment Steps

1. Unsolder the Keying Pulse Lead.
2. Connect an Oscilloscope to VIF output terminals (across R_{404}) through a Noise Filter, which consists of a $10K\Omega$ resistor and a 500 mfd capacitor as shown in Fig. 12.
3. Connect a Sweep Generator and a Marker Generator to the Test Point (TP) of the Tuner through a 0.02 mfd capacitor.
4. Set the Tuner to a free channel in area.

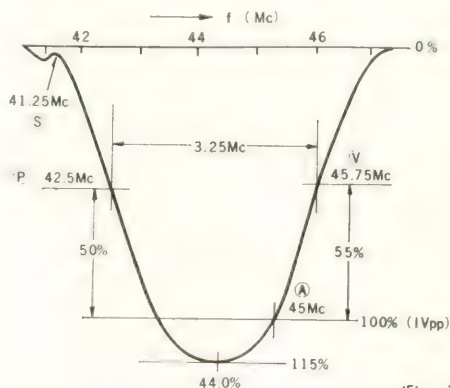
Step	Marker Gen. Freq.	Adjust	Correct Marker position on the response curve	Remarks
1	41.25 Mc	TRAP-1	Ⓢ (dip)	Connect a $1.5K\Omega$ Resistor across R_{300} .
2	42.5 Mc	VIFT-2	Ⓟ (50%)	
3	45.75 Mc	VIFT-3	Ⓥ (45%)	
4	45 Mc	VIFT-4	Ⓐ (100%—1 Vpp)	
		VIFT-4		

Note: If a proper response curve similar to Fig. 13 is not obtained by the adjustment procedures described above, replace the damping resistor (R_{313} or R_{317}) with proper one for best result.

Noise Filter



(Fig. 12)



(Fig. 13)

B. SIF Adjustments

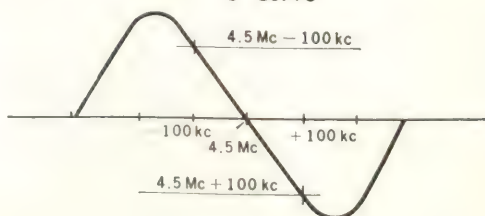
Pre-Alignment Steps

1. Set the Brightness Control to the optimum and the Contrast Control to the maximum positions.
2. Remove the Tuner Output Leads.

Step	Equipment	Connection	Freq.	Adjust	Remarks
1	Test Oscillator	VIDEO DET OUT	4.5 Mc	TRAP 401	for minimum stripes on the picture.
2	Same Voltmeter	Same Across R_{412}	4.5 Mc	SIFT ₁ & Pri. of SIFT ₂ (Pink)	for maximum reading on the Voltmeter.
3	Sweep Gen. Standard Signal Gen. Oscilloscope	VIDEO DET OUT Same Same Across C_{413}	4.5 Mc (AM)	Sec. of SIFT ₂	for minimum modulated wave.

- Note:**
1. Repeat the above procedures two or three times.
 2. If S curve is not symmetrical with respect to the intersection of the S curve and return line, adjust primary of SIFT₃ for optimum result.

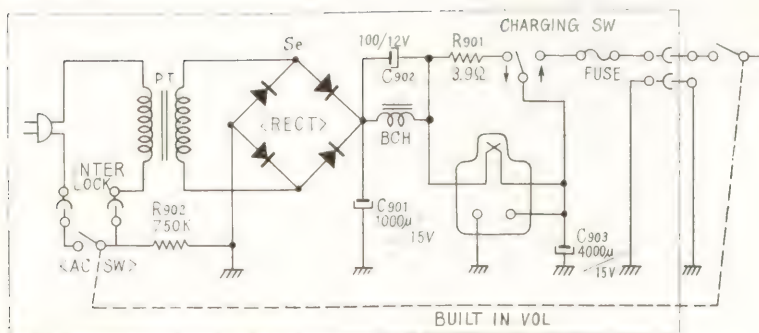
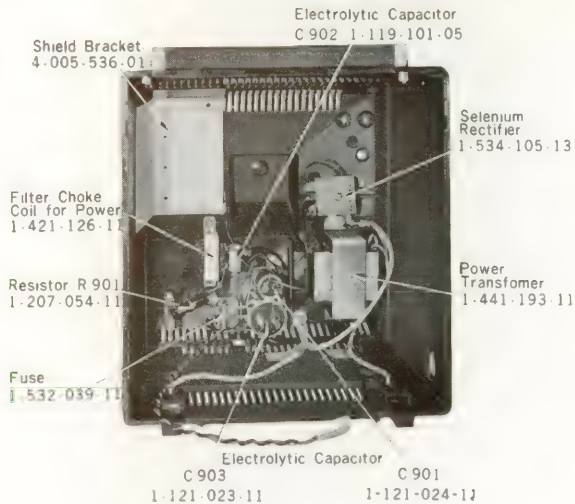
S Curve



C. Deflection Circuit Adjustments

Step	Adjustment for	Preliminary Instruction	Equipment	Connection	Adjust	
1	Ic of X ₅₀₁ (VID. Out)	Set to free channel. Check 12V and 85V Power Supply.	Voltmeter	Across R ₅₀₆	R ₅₀₁ (10K-18K Ω)	For approx 38V reading.
2	Ic of X ₇₀₂ (Vert. Out)	Lock in Sync. Check 12V Power Supply.	Same	Across R ₇₁₁	R ₇₀₇ (150 Ω -1.8K Ω)	For approx. 0.44-0.41 V reading.
3	Vert. High and Linearity	Receive a Test Pattern.			VR ₇₀₁ (Vert. Lin.) VR ₇₀₂ (Vert. Height)	For optimum Vertical Height and Linearity on the pattern.
4	Pulse Width	Lock in Sync.	Oscillo- scope	Emitter of X ₈₀₁	C ₈₀₅ (0.01-0.1 μ F)	For 12-13.5 μ sec.
5	HSC (Horizontal Stability Coil)	Lock in Sync. Receive a Test Pattern.			HSC	So that the picture is stable in either case where HSC is shorted or normal.
6	Ic of X ₈₀₂ (Hor. Drive)		Ammeter	between Collector of X ₈₀₂ & X ₈₀₆	R ₈₀₆ (1-20 Ω)	For 75 mA reading on the Ammeter.
7	Horizontal Frequency	Set the Contrast and Brightness Controls to optimum positions. Receive a Test Pattern.			VR ₆₀₁ (Hor. Freq.)	To obtain same number of diagonal bars by applying some electrical shocks respectively when setting VR ₄ to fully clock-wise and counter-clockwise positions.
8	Focus	Same Lock in Sync.			Position of second grid lead for Picture Tube	To either originally soldered point or ground, whichever gives better focus.

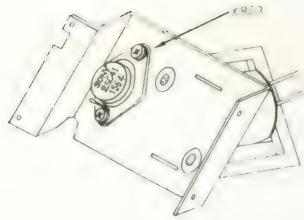
Power Supply Section



Location of Adjustment Parts



Only the transistor (2SC41) with the digits of 24, 34, 44, 54, 64, 74 or 84, can be used for X803.



The digit is indicated here.

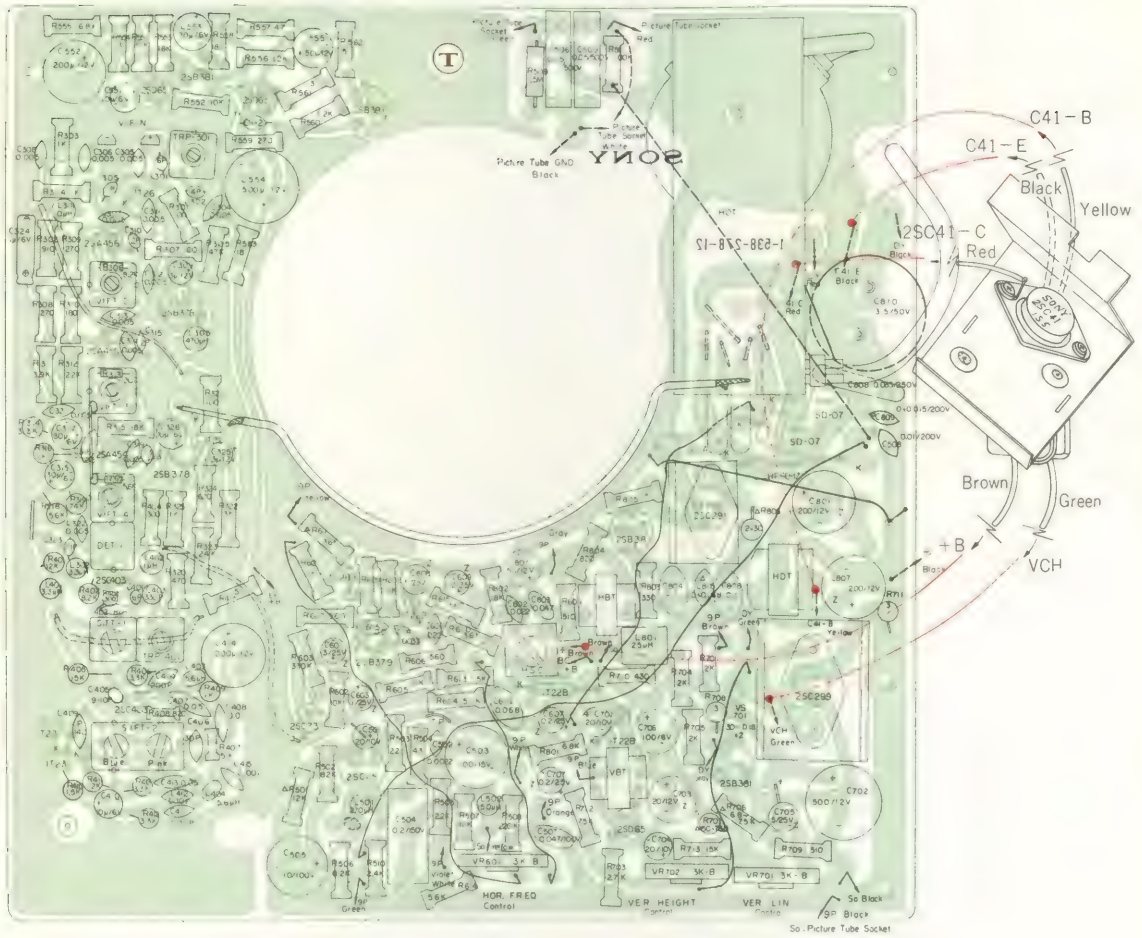
Adjustment

- 1 Ic of X802 (HOR Drive)
- 2 Pulse Width
- 3 Stable picture in either case where HSC is shorted or normal.
- 4 140 ± 5 mA (Ver. Bias)

Adjusting Parts

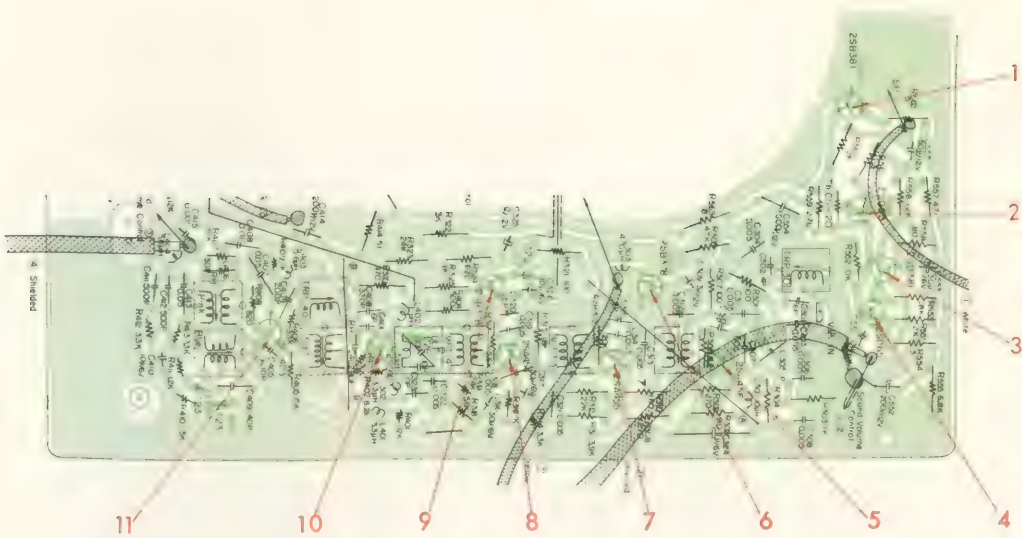
R806, 3.9-22 ohms
 C805, 0.0047 μ F
 R707, 150-1.5Kohms
 HSC

Location of Jumper Wires



Resistance Measurement

—VIF, SIF and AF Circuit—



* Measured with Circuit Tester (10 Kohms/V.)

* \oplus \ominus
 Black Red
 Tester Lead Color
 * Resistance in ohm

1 X554

E	B	C
100	100	
←	10	10
←	30-50	
←	20-30	

2 X553

E	B	C
10-20	10-15	
←	100	300
←	40-60	
←	12	

3 X552

E	B	C
2K	2K	
←	10	10
←	70-80	
←	200	

4 X551

E	B	C
10-20	10-20	
←	∞	∞
←	1K	
←	200-300	

5 X301

E	B	C
200-300	2K	
←	15	15
←	200	
←	150-200	

6 X304

E	B	C
∞	1K	
←	10	10
←	25	
←	∞	

7 X302

E	B	C
200-300	2K	
←	15	15
←	200-300	
←	200	

8 X303

E	B	C
200-300	2K	
←	15	15
←	150-300	
←	150-200	

9 X305

E	B	C
2K	∞	
←	10	10
←	∞	
←	200-300	

10 X401

E	B	C
20	20	
←	∞	∞
←	800	
←	300-400	

11 X402

E	B	C
20	20	
←	∞	∞
←	2K	
←	200-300	

Resistance Measurement

— Deflection Circuit —



* Measured with Circuit Tester (10 Kohms/V.)

⊕ ⊖
 Black Red
 Tester Lead Color

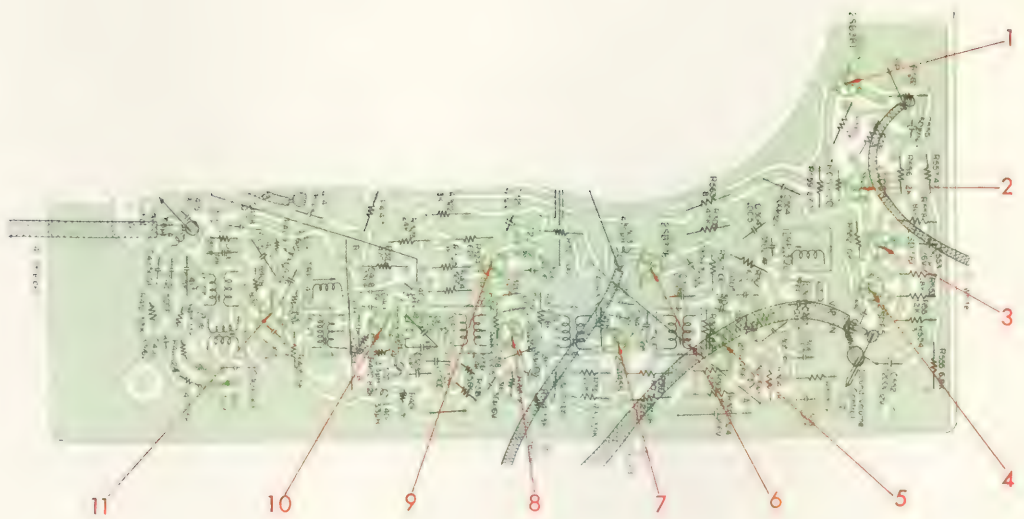
* Resistance in ohm

1 X602	2 X601	3 X501	4 X701
E B C	E B C	E B C	E B C
∞ ∞	15 60-150	20 20	10-20 10-20
↔ 10 10	↔ ∞ ∞	↔ ∞ ∞	↔ ∞ ∞
↔ 500-1K	↔ ∞	↔ ∞	↔ 10 10
↔ 1K	↔ ∞	↔ ∞	↔ 200-300

6 X703	7 X801	8 X802	9 X803
E B C	E B C	E B C	E B C
15 15	∞ ∞	20 20	0 15
↔ 400 400	↔ 10 10	↔ 1K 1K	↔ 0 1K-∞
↔ 100-200	↔ 1K	↔ 100-200	↔ 15
↔ 150	↔ 1K	↔ 100	↔ 1K-∞

Voltage Measurement

—VIF and AF Circuit—



- * Power Supply Voltage: 12 V
- * AGC Voltage : -10 V
- * Measured with Circuit Tester (10 Kohms/V.)
- * Measured from ground to points indicated.

1
X554 $\begin{cases} E & 6.0V \\ B & 6.0V \\ C & 0 V \end{cases}$

2
X553 $\begin{cases} E & 6.0V \\ B & 6.0V \\ C & 12.0V \end{cases}$

3
X552 $\begin{cases} E & 12.0V \\ B & 12.0V \\ C & 6.0V \end{cases}$

4
X551 $\begin{cases} E & 5.0V \\ B & 5.0V \\ C & 12.0V \end{cases}$

5
X301 $\begin{cases} E & 9.5V \\ B & 9.5V \\ C & 6.0V \end{cases}$

6
X304 $\begin{cases} E & 0.1V \\ B & 6.0V \\ C & 0 V \end{cases}$

7
X302 $\begin{cases} E & 9.5V \\ B & 9.0V \\ C & 0 V \end{cases}$

8
X303 $\begin{cases} E & 9.5V \\ B & 9.0V \\ C & 0 V \end{cases}$

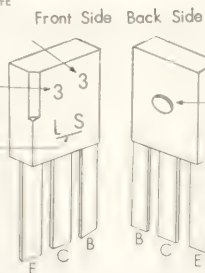
9
X305 $\begin{cases} E & 1.8V \\ B & 2.7V \\ C & -0.7V \end{cases}$

10
X401 $\begin{cases} E & 2.8V \\ B & 3.5V \\ C & 7.5V \end{cases}$

11
X402 $\begin{cases} E & 1.2V \\ B & 1.7V \\ C & 9.5V \end{cases}$

II. Colored dot or figure indicating hfe

I. Colored dot or figure indicating last digit of 2SC40 ()



III. Colored dot indicating Cob of 2SC40

I. Colored dot indicating last digit of 2SC40 ()

II. Colored dot indicating hfe



III. Colored dot indicating Cob

Voltage Measurement

—Deflection Circuit—



- * Power Supply Voltage: 12.0 V(10Kohms/V)
- * Measured with Circuit Tester (10Kohms/V)
- * Measured from ground to points indicated.

1 X601
E 2.5V
B 1.8V
C 7.5V

2 X501
E 11.5V
B 12.0V
C 6.0V

3 X602
E 7.5V
B 8.5V
C 0.5V

4 X701
E 7.5V
B 6.0V
C 10.0V

5 X702
E 10.0V
B 10.0V
C 1.0V

6 X703
E 0.4V
B 1.0V
C 10.0V

7 X801
E 7.0V
B 7.5V
C 0.2V

8 X802
E 0 V
B 0.2V
C 10.0V

9 X803
E 0 V
B —
C 18.0V

Combination Table for Cob of SIF Transistor (X401 & X402) and CN (Neutralizing Capacity)

Tr. Sym	Dot Color	CN
X401	Brown	C401 6pF
X402	Orange	C405 9pF
X401	Red	C401 6pF
X402	Yellow	C405 10pF

Classification of 25C40

Indication on the Body	I		II		III	
	1st digit of 25C40	Color	1st digit of Cob	Color	2nd digit of Cob	Color
25C40(1)	red	1	brown	1.7	1.9	brown
n (2)	yellow	2	red	1.9	2.1	red
n (3)	white	3	orange	2.1	2.3	orange
		4	yellow	2.3	2.5	yellow
		5	green			
		6	blue			

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* Excessive Current Drain	
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—VIF Circuit—



○ No Waveform

- ① Open X301
- ② Open X302
- ③ Open X303
- ④ (Leakage between E and C)
- ⑤ Defective X401
- ⑥ Open or shorted DET Block
- ⑦ Open L301
- ⑧ Open L401

□ VIF Oscillation

- ① Defective X302
- ② R302 contacts with R309
- ③ Defective VIFT4

△ Low Gain

- ① Defective X301
- (Low reverse resistance between B and E)
- ② Defective X302
- ③ Defective X303
- (Low reverse resistance between B and E)

- ④ Leaky C317
- ⑤ Defective DET Block
- ⑥ Damping Resistor (R306, R313, R317), mounted on the printed side, contact to near copper foil

☆ Poor AGC Operation

- ☆ Open L303.....No AGC effect
- ☆ Open X305.....No Tuner AGC effect

NOTE : E : Emitter
 B : Base
 C : Collector



- Low SIF Gain
- ① Open L403
- ② Open C401
- ③ Defective X402

- Low AF Gain
- ① Open R555
- ② Leaky C553

- ◇ SIF Oscillation
- ① Defective X402
- ② Defective C405
- ③ Incorrect value of C401 (Neutralizing Capacitor)

- △ No AF Signal
- ① Defective X553
- (Leakage between B and C or breakage between B and E)
- ② Defective X552 (Leakage between E and C)
- ③ Shorted C552
- ④ Contact between the Emitter and the Collector leads of X553

- ☆ No SIF Gain
- ① Open X401 (between B and E)
- ② Open X402 (between B and E)
- ③ Open or shorted SIFT2
- ④ Open L401, L402
- ⑤ Open L403

Normal Picture with weak or distorted sound.
In this case refer to No AF Signal and Low SIF Gain.



- 1 Open HDT
- 2 Open X802
- 3 Defective X801 (Leakage between E and C) or improper pulse width.
- 4 Open FBT (Sec. winding)
- 5 Open HBT
- 6 Open D803
- 7 Defective C810
- 8 Defective X803

—Horizontal Circuit—



- Improper Pulse Width
- Defective X801
- Defective HBT
- Defective C804 or C805 (leakage or decrease in capacity)

- Incorrect value of Horizontal Drive Current
- Defective X802

- Folded Picture on right side
- Open R801



- Insufficient Vertical Height
- ▤ Defective C702 (decreased capacity)
- ▥ Defective X703 (leakage between E and C)

- △ Poor Vertical Linearity
- ▴ Defective X703
- ▾ Defective C705 (decreased capacity)

- Vertical Movement
(Picture moves slowly up and down)

- ⊙ Defective X702

- ◇ No Vertical Output
- ◊ Open or shorted
- ◊ Open VBT
- ◊ Open or shorted X702
- ◊ Open or shorted X703



- Saturated White Peak
- Defective X501
- Leaky C501
- Leaky D501

- No Picture
- ① Defective X501
- ② Defective C501
- ③ Open L501
- ④ Shorted D501

- △ Dark picture on upper side
- △ Shorted C707
- ◇ Smears in Picture
- ◇ Open L502

- ☆ Dark picture on left side
- ⊖ Defective C505 (decreased capacity)

—SYNC. and Miscellaneous Circuit—



1
1
2

2



- Loss of Vertical and Horizontal SYNC
- ▣ Defective X601 (leakage between E and C)
- ▢ Open VBT (3rd winding)

- High Voltage Discharge
- ⊙ Defective FBT (secondary winding)

- ◇ Excessive Current Drain
- ⋄ Defective X803 (When Emitter and Collector is shorted, Fuse will be blown)
- ⋄ Defective FBT

- △ Weak Horizontal SYNC
- ⚠ Defective X601 (leakage between E and C waveform at X601 collector will be 10 μ sec width.)
- ⚠ Defective C601

Electrical Parts List (A)

Part No.	Symbol	Description	Part No.	Symbol	Description
		Transistor			
	X ₁₀₁	2SA448 (L. OSC, UHF)	1-902-488-11	L ₂₀₈	Jumper Wire A
	X ₂₀₁	2SA162 (RF AMP)	-489-11	L ₂₀₉	" B
	X ₂₀₂	2SA453 (MIX)	1-407-068-11	L ₂₁₃	Micro Inductor 3.3μH
	X ₂₀₃	2SA163 (L. OSC, UHF)	1-902-601-11	L ₂₁₅	Jumper Wire C
	X ₃₀₁	2SA456 (1st VIF AMP)	-602-11	L ₂₁₆	" D
	X ₃₀₂	2SA455 (2nd VIF AMP)	1-407-037-11	L ₃₀₁	MICRO INDUCTOR 10μH
	X ₃₀₃	2SA454 (3rd VIF AMP)	-068-11	L ₃₀₂	" 3.3μH
	X ₃₀₄	2SB378 (2nd AGC AMP)	-052-11	L ₃₀₃	" 470nH
	X ₃₀₅	2SB378 (1st AGC AMP)	-054-11	L ₄₀₁	" 3.3μH
	X ₄₀₁	2SC403 (VIDEO & 1st SIF AMP)	-068-11	L ₄₀₂	" 1μH
	X ₄₀₂	2SC403 (2nd SIF AMP)	-071-11	L ₄₀₃	" 5.6μH
	X ₅₀₁	2SC115 (VIDEO OUT)	-035-12	L ₅₀₁	" 270μH
	X ₅₅₁	2SD65 (1st AF AMP)	-049-11	L ₅₀₂	" 150μH
	X ₅₅₂	2SB381 (AF DRIVE)	-053-11	L ₅₀₃	" 20μH
	X ₅₅₃	2SD65 (AF OUT)	-030-11	VBT	Vertical Blocking Transformer
	X ₅₅₄	2SB381 (AF OUT)	-063-11	HBT	Horizontal Blocking Transformer
	X ₆₀₁	2SC73 (SYNC SEP)	1-421-013-11	VCH	Vertical Output Choke Coil
	X ₆₀₂	2SB379 (AFC)	1-435-008-11	HSC	Horizontal Stabilizing Coil
	X ₇₀₁	2SD65 (VER OSC)	-008-12	HDT	Horizontal Input Transformer
	X ₇₀₂	2SB381 (VER DRIVE)	1-435-009-11	BCH	Filter Choke Coil for Power Supply
	X ₇₀₃	2SC299 (VER OUT)	1-421-127-12	PT	Power Transformer
	X ₈₀₁	2SB381 (HOR OSC)	1-413-005-11		
	X ₈₀₂	2SC291 (HOR DRIVE)	1-437-002-00		
	X ₈₀₃	2SC41 (HOR OUT)	1-421-126-11		
			1-441-193-11		
		Diode			Potentiometer
	D ₁₀₁	1T13	1-221-402-12	VR ₁	Volume Control 5KΩ-T
	D ₃₀₁	1T26	-404-12	VR ₂	Contrast Control 3KΩ-C
	D ₃₀₂	1T22	-429-11	VR ₃	Brightness Control 250KΩ-B
		1T26 (Built-in DET. BLOCK)	-297-12	VR ₄	Horizontal Hold Control 10KΩ-B
	D ₄₀₁	1T23	-403-11	VR ₅	Vertical Hold Control 2KΩ-B
	D ₄₀₂	1T23	-485-11	VR ₆₀₁	Horizontal Freq. Control 3KΩ-B
	D ₅₀₁	HF SDIZ	-485-11	VR ₇₀₁	Vertical Linearity Control 3KΩ-B
	D ₆₀₁	1T22B	-485-11	VR ₇₀₂	Vertical Height Control 3KΩ-B
	D ₆₀₂	1T22B			
	D ₆₀₃	1T22B	1-204-110-11		Resistor
	D ₆₀₄	1T22B	-122-11	R ₁₀₁	330Ω RD $\frac{1}{32}$ SL Carbon
	D ₈₀₁	SD-07	-123-11	R ₁₀₂	1KΩ RD $\frac{1}{32}$ L "
	D ₈₀₂	SD-07		R ₁₀₃	3.3KΩ " "
	D ₈₀₃	SD-1A	1-231-014-11	R ₁₀₄	7.5KΩ Encapsulated Component (with C ₁₀₄)
	Se	Selenium Rectifier	1-204-460-11	R ₂₀₁	2.7KΩ RD $\frac{1}{16}$ L Carbon
		Thermistor	1-203-192-11	R ₂₀₂	15KΩ " "
	Th	CS-120	1-204-101-11	R ₂₀₃	240KΩ RD $\frac{1}{32}$ SL Carbon
8-691-001-00	VS	Varistor	-185-11	R ₂₀₄	1KΩ RD $\frac{1}{16}$ L "
1-800-021-11			-104-11	R ₂₀₅	4.7KΩ RD $\frac{1}{32}$ SL "
		Coil & Transformer	1-203-193-11	R ₂₀₆	18KΩ RD $\frac{1}{16}$ L "
1-403-459-11	VIFT ₂	Video IF Transformer	1-204-102-11	R ₂₀₇	1KΩ RD $\frac{1}{32}$ SL "
-460-11	VIFT ₃	"	1-203-421-11	R ₂₀₈	1KΩ RD $\frac{1}{16}$ RL "
-461-11	VIFT ₄	"	-421-11	R ₂₀₉	1KΩ " "
-462-11	DET ₁	Video Detector Block	1-204-103-11	R ₂₁₀	2.7KΩ RD $\frac{1}{32}$ SL "
-316-11	SIFT ₁	1st Sound IF Transformer	1-203-190-11	R ₂₁₁	10KΩ RD $\frac{1}{16}$ L "
-313-11	SIFT ₂	2nd Sound IF Transformer	1-204-460-11	R ₂₁₂	2.7KΩ " "
1-409-067-11	TRAP ₃₀₁	Video IF Trap Coil	-041-11	R ₂₁₃	240Ω " "
-036-11	TRAP ₄₀₁	Sound IF Trap Coil	-853-11	R ₂₁₄	1.2KΩ " "
1-425-076-11	L ₁₀₄	Coil L4	-103-11	R ₂₁₅	2.7KΩ RD $\frac{1}{32}$ SL "
1-407-068-11	L ₁₀₅	Choke Coil		R ₂₁₆	-deleted-
-085-11			1-204-183-11	R ₂₁₇	1.5KΩ RD $\frac{1}{16}$ L Carbon
1-425-192-11	L ₁₀₆	Equalization Coil	-103-11	R ₂₁₈	2.7KΩ RD $\frac{1}{32}$ SL "
1-409-061-11	L ₂₀₁	Input Trap Coil	-107-11	R ₂₁₉	3.3KΩ " "
1-425-083-11	L ₂₀₂	RF Coil D	-185-11	R ₂₂₀	4.7KΩ RD $\frac{1}{16}$ L "
-049-11	L ₂₀₃	RF Coil A	-345-11	R ₂₂₁	5.1KΩ " "
-050-11	L ₂₀₄	RF Coil B	1-203-011-11	R ₃₀₁	100Ω RD $\frac{1}{4}$ L "
1-403-451-11	L ₂₀₆	IF Transformer	1-204-220-11	R ₃₀₂	910Ω " "
1-425-156-11	L ₂₀₇	Fine Tuning Equalization Coil			

Part No.	Symbol	Description	Part No.	Symbol	Description
1-203-031-11	R ₃₀₃	1K Ω RD $\frac{1}{4}$ L Carbon	1-203-069-11	R ₆₀₂	10K Ω RD $\frac{1}{4}$ L Carbon
-031-11	R ₃₀₄	1K Ω " "	-114-11	R ₆₀₃	330K Ω " "
-095-11	R ₃₀₅	47K Ω " "	-155-11	R ₆₀₄	5.1K Ω " "
-189-11	R ₃₀₆	8.2K Ω RD $\frac{1}{16}$ L "	-069-11	R ₆₀₅	10K Ω " "
-011-11	R ₃₀₇	100 Ω RD $\frac{1}{4}$ L "	-027-11	R ₆₀₆	560 Ω " "
-019-11	R ₃₀₈	270 Ω " "	-027-11	R ₆₀₇	560 Ω " "
-019-11	R ₃₀₉	270 Ω " "	-049-11	R ₆₀₈	2.2K Ω " "
-334-11	R ₃₁₀	180 Ω " "	-049-11	R ₆₀₉	2.2K Ω " "
-061-11	R ₃₁₁	3.9K Ω " "	1-204-094-11	R ₆₁₀	3.6K Ω " "
-083-11	R ₃₁₂	22K Ω " "	1-203-091-11	R ₆₁₁	36K Ω " "
-699-01	R ₃₁₃	20K Ω " "	-031-11	R ₆₁₂	1K Ω " "
-373-11	R ₃₁₄	3.3K Ω RD $\frac{3}{8}$ RL "	-039-11	R ₆₁₃	1.5K Ω " "
-130-11	R ₃₁₅	18K Ω RD $\frac{1}{4}$ L "	-065-11	R ₆₁₄	5.6K Ω " "
-367-11	R ₃₁₆	1K Ω RD $\frac{3}{8}$ RL "	-027-11	R ₆₁₅	560 Ω " "
-186-11	R ₃₁₇	5.6K Ω RD $\frac{1}{16}$ L "	-044-11	R ₇₀₁	2K Ω " "
-378-11	R ₃₁₈	5.6K Ω RD $\frac{3}{8}$ L "	-124-11	R ₇₀₂	6.2K Ω " "
-778-11	R ₃₁₉	2.4K Ω " "	-050-11	R ₇₀₃	2.7K Ω " "
-026-11	R ₃₂₀	470 Ω RD $\frac{1}{4}$ L "	-044-11	R ₇₀₄	2K Ω " "
-011-11	R ₃₂₁	100 Ω " "	-044-11	R ₇₀₅	2K Ω " "
-051-11	R ₃₂₂	3K Ω " "	-067-11	*R ₇₀₆	6.8K Ω " "
-744-11	R ₃₂₃	2.4K Ω " "	-131-11	*R ₇₀₆	7.5K Ω " "
-158-11	R ₃₂₄	620 Ω " "	-415-11	*R ₇₀₇	150 Ω RD $\frac{3}{8}$ RL "
-031-11	R ₃₂₅	1K Ω " "	-360-11	*R ₇₀₇	330 Ω " "
-384-11	R ₄₀₁	12K Ω RD $\frac{3}{8}$ RL "	-361-11	*R ₇₀₇	470 Ω " "
-408-11	R ₄₀₂	8.2K Ω " "	-857-11	*R ₇₀₇	620 Ω " "
-603-11	R ₄₀₃	300 Ω RD $\frac{1}{16}$ RL "	-335-11	*R ₇₀₇	750 Ω " "
-020-11	R ₄₀₄	300 Ω RD $\frac{1}{4}$ L "	1-207-018-00	R ₇₀₈	3 Ω RW $\frac{1}{4}$ RL Wire Wound
-385-11	R ₄₀₅	15K Ω RD $\frac{3}{8}$ RL "	1-203-229-11	R ₇₀₉	510 Ω RD $\frac{1}{4}$ L Carbon
-373-11	R ₄₀₆	3.3K Ω " "	1-204-098-11	R ₇₁₀	430 Ω " "
1-204-998-11	R ₄₀₇	51K Ω RD $\frac{1}{16}$ L "	1-207-018-00	R ₇₁₁	3 Ω RW $\frac{1}{4}$ RL Wire Wound
-080-11	R ₄₀₈	820 Ω " "	1-203-131-11	R ₇₁₂	7.5K Ω RD $\frac{1}{4}$ RL Carbon
1-203-367-11	R ₄₀₉	1K Ω RD $\frac{3}{8}$ RL "	-075-11	R ₇₁₃	15K Ω " "
-405-11	R ₄₁₀	1.5K Ω " "	-067-11	R ₈₀₁	6.8K Ω " "
-368-11	R ₄₁₁	1.2K Ω " "	-151-11	R ₈₀₂	1.8K Ω " "
-373-11	R ₄₁₂	3.3K Ω " "	-024-11	R ₈₀₃	330 Ω " "
-373-11	R ₄₁₃	3.3K Ω " "	-852-11	R ₈₀₄	820 Ω " "
1-204-219-11	R ₄₁₄	51 Ω RD $\frac{1}{4}$ L "	-031-11	R ₈₀₅	1K Ω " "
1-203-128-11	R ₅₀₁	12K Ω " "	1-207-030-00	*R ₈₀₆	1 Ω RW $\frac{1}{4}$ RL Wire Wound
-125-11	R ₅₀₂	82K Ω " "	-015-00	*R ₈₀₆	2 Ω " "
-005-11	R ₅₀₃	22 Ω " "	-019-00	*R ₈₀₆	3 Ω " "
-008-11	R ₅₀₄	43 Ω " "	-020-00	*R ₈₀₆	3.9 Ω " "
-049-11	R ₅₀₅	2.2K Ω " "	-021-00	*R ₈₀₆	4.7 Ω " "
-068-11	R ₅₀₆	8.2K Ω " "	-022-00	*R ₈₀₆	5.6 Ω " "
-069-11	R ₅₀₇	10K Ω " "	-023-00	*R ₈₀₆	6.8 Ω " "
-109-11	R ₅₀₈	220 Ω " "	-024-00	*R ₈₀₆	8.2 Ω " "
1-201-455-11	R ₅₀₉	1.5 Meg Ω RC $\frac{1}{4}$ L Composition	-071-11	*R ₈₀₆	10 Ω " "
1-203-744-11	R ₅₁₀	2.4K Ω RD $\frac{1}{4}$ L Carbon	-042-00	*R ₈₀₆	13 Ω " "
-100-11	R ₅₁₁	100K Ω " "	-044-00	*R ₈₀₆	15 Ω " "
-128-11	R ₅₅₁	12K Ω " "	-062-00	*R ₈₀₆	18 Ω " "
-069-11	R ₅₅₂	10K Ω " "	-072-11	*R ₈₀₆	22 Ω " "
-151-11	R ₅₅₃	1.8K Ω " "	-054-11	R ₉₀₁	3.9 Ω RW3L "
-584-11	R ₅₅₄	3 Ω " "	1-201-676-11	R ₉₀₂	750K Ω RC $\frac{1}{4}$ L Composition
-067-11	R ₅₅₅	6.8K Ω " "			Capacitor
-037-11	R ₅₅₆	1.2K Ω " "	1-231-012-21	C ₁₀₁	12PF, 1000PF } Encapsulated
-148-11	R ₅₅₇	47 Ω " "	-012-21	C ₁₀₂	12PF, 1000PF } Component
-334-11	R ₅₅₈	180 Ω " "	1-101-795-11	C ₁₀₃	15PF Ceramic
-019-11	R ₅₅₉	270 Ω " "	1-231-014-11	C ₁₀₄	1000PF, 7.5K Ω Encapsulated Component (with R ₁₀₄)
-037-11	R ₅₆₀	1.2K Ω " "	1-101-531-11	C ₁₀₅	1000PF Ceramic
-584-11	R ₅₆₁	3 Ω " "	-585-11	C ₂₀₁	200PF "
-333-11	R ₅₆₂	5 Ω " "	1-141-060-11	C ₂₀₂	Cylindrical Trimmer Capacitor
1-204-218-11	R ₅₆₃	18 Ω " "	1-101-559-11	C ₂₀₃	15PF Ceramic
1-203-334-11	R ₅₆₄	180 Ω " "	-560-11	C ₂₀₄	20PF "
-229-11	R ₆₀₁	510 Ω " "			

* To be adjustment

Part No.	Symbol	Description	Part No.	Symbol	Description
1-101-565-11	C ₂₀₅	25PF Ceramic	1-101-832-11	C ₄₀₅	9PF Ceramic
-834-11	C ₂₀₆	1.8PF "	-061-11	C ₄₀₅	10PF "
-557-11	C ₂₀₇	10PF "	-115-17	C ₄₀₆	30PF "
1-141-060-11	C ₂₀₈	Cylindrical Trimmer Capacitor	-007-11	C ₄₀₇	0.05 μ F "
1-101-072-14	C ₂₀₉	0.01 μ F Ceramic	-004-11	C ₄₀₈	0.01 μ F "
	C ₂₁₀	—deleted—	-571-11	C ₄₀₉	140PF "
1-141-060-11	C ₂₁₁	Cylindrical Trimmer Capacitor	1-121-104-00	C ₄₁₀	10 μ F Electrolytic
1-101-580-11	C ₂₁₂	6PF Ceramic	1-101-423-11	C ₄₁₁	500PF Ceramic
-560-11	C ₂₁₃	20PF "	-423-11	C ₄₁₂	500PF "
1-141-038-11	C ₂₁₄	Cylindrical Trimmer Capacitor	-007-11	C ₄₁₃	0.05 μ F "
1-101-559-11	C ₂₁₅	15PF Ceramic	-121-00	C ₄₁₄	200 μ F "
-577-11	C ₂₁₆	90PF "	-001-11	C ₄₁₅	1000PF "
-125-11	C ₂₁₇	0.001 μ F "	1-121-073-00	C ₅₀₁	20 μ F Electrolytic
-565-11	C ₂₁₈	25PF "	1-105-665-12	C ₅₀₂	0.0022 μ F Mylar
-555-11	C ₂₁₉	5PF "	1-121-201-05	C ₅₀₃	100 μ F Electrolytic
	C ₂₂₀	Fine Tuning Capacitor	1-113-124-01	C ₅₀₄	0.2 μ F Metalized Paper
1-101-582-11	C ₂₂₁	3PF Ceramic	1-121-126-00	C ₅₀₅	10 μ F Electrolytic
-580-11	C ₂₂₂	6PF "	1-113-122-11	C ₅₀₆	0.05 μ F Metalized Paper
-557-11	C ₂₂₃	10PF "	1-105-721-12	C ₅₀₇	0.047 μ F Mylar
-563-11	C ₂₂₄	50PF "	-735-12	C ₅₀₈	0.01 μ F "
-125-11	C ₂₂₅	0.001 μ F "	1-113-122-11	C ₅₀₉	0.05 μ F Metalized Paper
-072-14	C ₂₂₆	0.01 μ F "	1-121-104-00	C ₅₅₁	10 μ F Electrolytic
-599-11	C ₂₂₇	0.0018 μ F "	-121-00	C ₅₅₂	200 μ F "
-599-11	C ₂₂₈	0.0018 μ F "	-102-00	C ₅₅₃	30 μ F "
	C ₂₂₉	—deleted—	-084-00	C ₅₅₄	500 μ F "
	C ₂₃₀	—deleted—	-122-00	C ₅₅₅	50 μ F "
1-101-561-11	C ₂₃₁	30PF Ceramic	-232-11	C ₆₀₁	3 μ F Electrolytic
-559-11	C ₂₃₂	15PF "	1-105-683-12	C ₆₀₂	0.068 μ F Mylar
-584-11	C ₂₃₃	2PF "	1-121-230-11	C ₆₀₃	1 μ F Electrolytic
1-129-048-11	C ₂₅₁	0.5 μ F Electrolytic	1-105-667-12	C ₆₀₄	0.0033 μ F Mylar
1-101-093-11	C ₃₀₁	6PF Ceramic	-673-12	C ₆₀₅	0.01 μ F "
-048-11	C ₃₀₂	4PF "	-677-12	C ₆₀₆	0.022 μ F "
-003-11	C ₃₀₃	0.005 μ F "	1-121-227-11	C ₆₀₇	0.2 μ F Electrolytic
-003-11	C ₃₀₄	0.005 μ F "	-233-11	C ₆₀₈	5 μ F "
-009-11	C ₃₀₅	1PF "	-227-11	C ₆₀₉	0.2 μ F "
-003-11	C ₃₀₆	0.005 μ F "	-249-11	C ₇₀₁	20 μ F "
-003-11	C ₃₀₇	0.005 μ F "	-084-00	C ₇₀₂	500 μ F "
-003-11	C ₃₀₈	0.005 μ F "	-085-11	C ₇₀₃	20 μ F "
1-121-178-00	C ₃₀₉	3 μ F Electrolytic	-249-11	C ₇₀₄	20 μ F "
1-101-010-11	C ₃₁₀	2PF Ceramic	-233-11	C ₇₀₅	5 μ F "
-003-11	C ₃₁₁	0.005 μ F "	-115-00	C ₇₀₆	100 μ F "
-003-11	C ₃₁₂	0.005 μ F "	-227-11	C ₇₀₇	0.2 μ F "
-003-11	C ₃₁₃	0.005 μ F "	-122-00	C ₂₀₁	50 μ F "
-003-11	C ₃₁₄	0.005 μ F "	1-105-677-12	C ₈₀₂	0.022 μ F Mylar
-010-11	C ₃₁₅	2PF "	-681-12	C ₈₀₃	0.047 μ F "
1-121-102-00	C ₃₁₆	30 μ F Electrolytic	-685-12	C ₈₀₄	0.1 μ F "
-102-00	C ₃₁₇	30 μ F "	-673-12	*C ₈₀₅	0.01 μ F "
1-101-003-11	C ₃₁₈	0.005 μ F Ceramic	-677-12	*C ₈₀₅	0.022 μ F "
-003-11	C ₃₁₉	0.005 μ F "	-679-12	*C ₈₀₅	0.033 μ F "
-167-11	C ₃₂₀	1.5PF "	-681-12	*C ₈₀₅	0.044 μ F "
-003-11	C ₃₂₁	0.005 μ F "	-683-12	*C ₈₀₅	0.068 μ F "
-003-11	C ₃₂₂	0.005 μ F "	-685-12	C ₈₀₆	0.1 μ F "
-061-11	C ₃₂₃	10PF "	1-121-220-11	C ₈₀₇	200 μ F Electrolytic
1-121-051-00	C ₃₂₄	1 μ F Electrolytic	1-105-749-12	*C ₈₀₉	0.0047 μ F Mylar
-250-11	C ₃₂₅	2 μ F "	-753-12	*C ₈₀₉	0.01 μ F "
-104-00	C ₃₂₆	10 μ F "	-755-12	*C ₈₀₉	0.015 μ F "
1-101-012-11	C ₄₀₁	5PF Ceramic	1-113-052-11	*C ₈₁₀	3.5 μ F Metalized Paper
-093-11	C ₄₀₁	6PF "	1-129-060-11	*C ₈₁₀	3.8 μ F Polyethylene Film
-113-18	C ₄₀₂	80PF "	1-121-220-11	C ₈₁₁	200 μ F Electrolytic
	C ₄₀₃	—deleted—	-024-11	C ₉₀₁	1000 μ F "
1-103-048-12	*C ₄₀₄	330PF Polyethylene	1-119-101-05	C ₉₀₂	100 μ F "
1-101-017-11	*C ₄₀₄	200PF Ceramic	1-121-023-11	C ₉₀₃	4000 μ F "

* To be adjustment

Electrical Parts List (B)

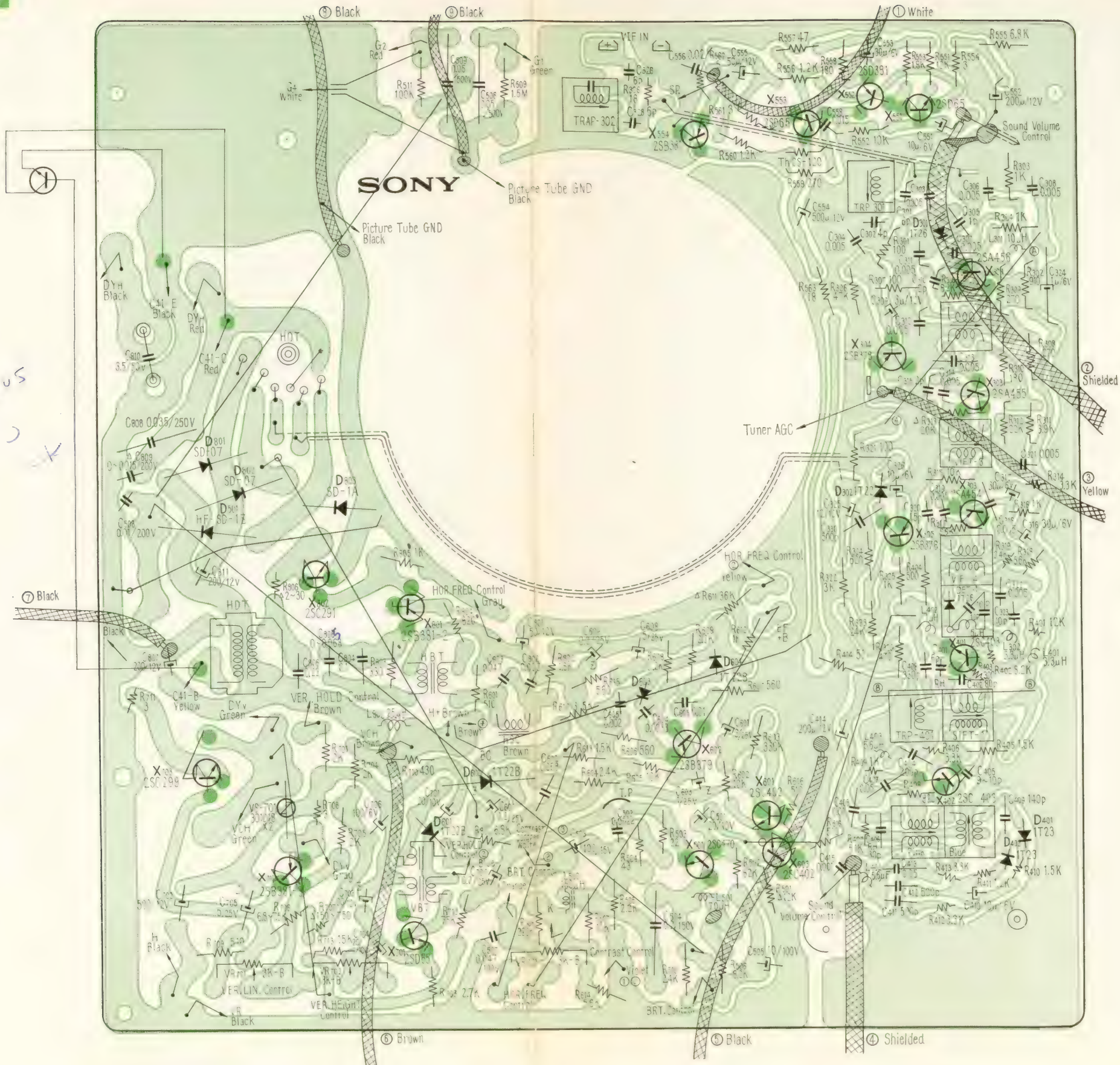
Part No.	Description	Q'ty	Part No.	Description	Q'ty
1-507-159-12	Antenna Jack	1		Wire and Miscellaneous (Minimum Q'ty for Order: Meter) Main Block P. V. C. Wires 17/0.16 AWG-22 Black " " Brown " " Blue " " White P. V. C. Shielded Wire AWG-24 P. V. C. Tube 3φ " 4φ Tinned Copper Wire 0.6φ Spaghetti Tube 1φ Yellow Circuit Board Block P. V. C. Wire 17/0.16 AWG-22 Gray 41/0.16 Black " " Red " " Yellow P. V. C. Shielded Wire AWG-24 Tinned Copper Wire 3φ Spaghetti Tube 1φ Yellow	
-011-01	Earphone Jack	1			
-901-02	Jack Nut	2			
1-502-126-11	Speaker	1			
-126-12		1			
1-526-061-11	Socket for Picture Tube	1			
1-532-039-11	Fuse	1			
1-501-061-11	Antenna Attachment Assembly	1			
1-508-042-11	2 Pole Plug	1			
1-507-202-01	2 Pole Jack	1			
1-508-043-11	DC 2 Pole Plug	1			
1-534-105-13	Selenium Rectifier	1			
1-513-216-11	Charging Switch	1			
1-508-044-11	9P Connector	1			
1-507-134-11	9P Connector Terminal F	1			
-109-00	IF Connecting Terminal	2			
1-534-073-21	AC power Cord	1			
1-504-010-02	Earphone	1			
73120999	Picture Tube 230—DB4	1			
1-525-073-03	High Voltage Rectifier 1X2B	1			

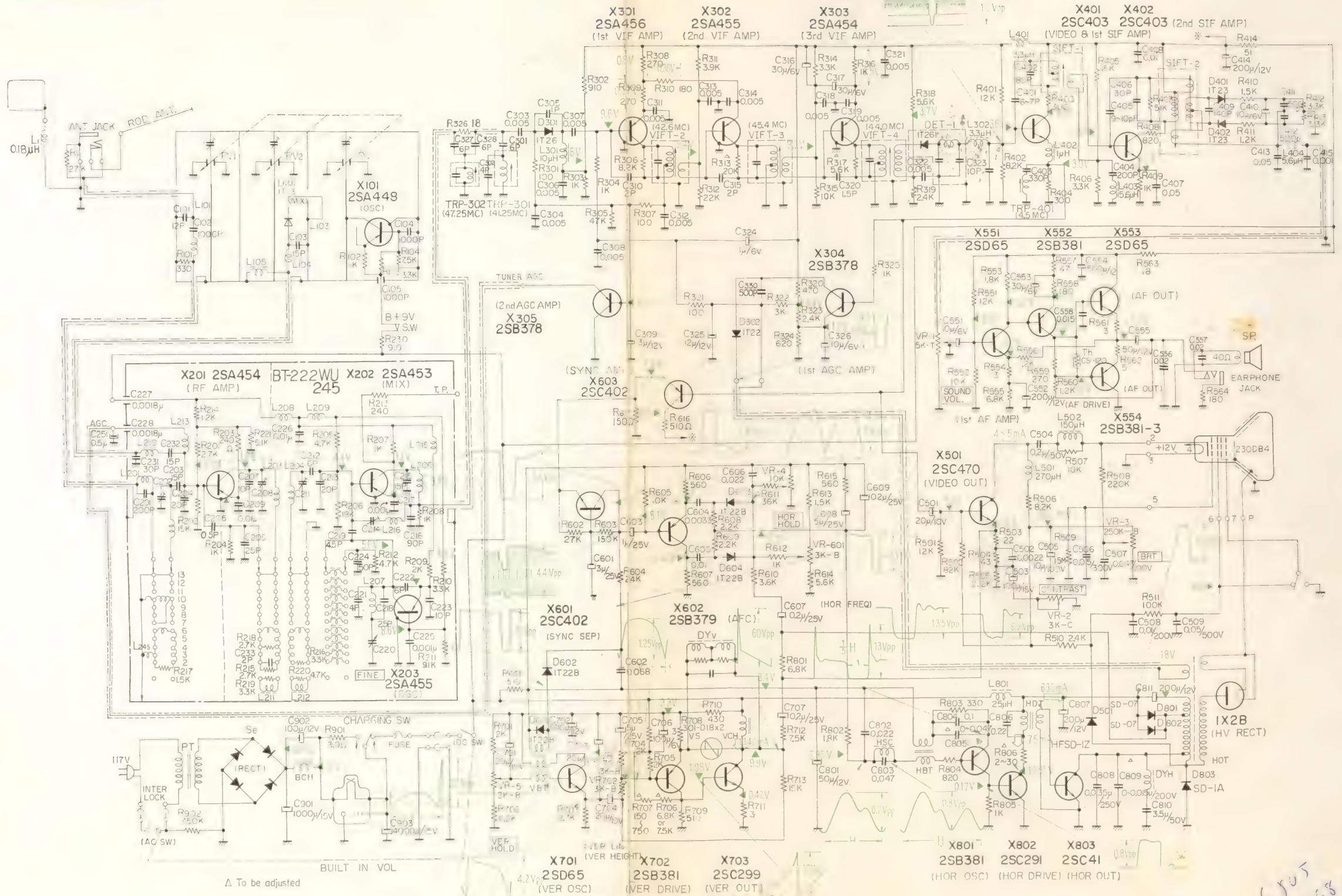
Part No.	Description	Q'ty	Part No.	Description	Q'ty
Y-44050-25-1	Tuner Block	1	1-453-009-11	High Voltage Block	1
1-451-015-11	Deflection Yoke	1	Y-44050-51-1	Signal and Deflection Block	1

Mechanical Parts List

Part No.	Description	Q'ty	Part No.	Description	Q'ty
	A. General		X-40032-06-3	Carrying Handle Assembly, including (Black)	1
	Cabinet and Appearance Items		4-003-223-02	Carrying Handle	(1)
			-224-02	Handle Leather	(1)
			-227-02	Friction Piece	(2)
X-40055-01-1	Front Cabinet Assembly, including (Black)	1	X-40032-37-1	Carrying Handle Assembly, including (White)	1
4-005-501-01	Front Cabinet	(1)	4-003-223-02	Carrying Handle	(1)
-592-01	Front Grille	(1)	-224-12	Handle Leather	(1)
-503-01	Front Cabinet Escutcheon	(1)	-227-03	Friction Piece	(2)
4-003-205-02	" SONY " Badge	(1)	4-003-225-01	Handle Support (Left)	1
X-40055-01-2	Front Cabinet Assembly, including (White)	1	-226-01	Handle Support (Right)	1
4-005-501-11	Front Cabinet	(1)	X-40055-03-1	Channel Selector Knob Assembly (Black)	1
-502-11	Front Grille	(1)	X-40055-03-2	Channel Selector Knob Assembly (White)	1
-503-01	Front Grille Escutcheon	(1)	X-40055-04-1	Fine Tuning Knob Assembly	1
4-003-205-02	" SONY " Badge	(1)	X-40045-06-1	Volume Control Knob Assembly	1
X-40055-02-1	Rear Cover Assembly, including (Black)	1	X-40055-05-1	UHF Dial Knob Assembly (Black)	1
4-005-504-02	Rear Cover	(1)	X-40055-06-1	UHF Dial Knob Assembly (White)	1
-505-01	Hole Covering Fiber	(3)	4-005-513-01	Control Knob (Black)	4
-536-01	Shield Bracket	(1)	-513-11	Control Knob (White)	4
X-40055-02-2	Rear Cover Assembly, including (White)	1	-521-02	Volume Control Knob Spacer (Black)	1
4-005-504-11	Rear Cover	(1)	-521-11	Volume Control Knob Spacer (White)	1
-505-01	Hole Covering Fiber	(3)	4-003-214-01	Picture Tube Protector	1
-536-01	Shield Bracket	(1)	-215-02	Dust Proof Rubber Band	1
			4-004-509-02	Picture Tube Mounting Bracket	4
			4-005-515-01	Picture Tube Mounting Wire Ring	1

Part No.	Description	Q'ty	Part No.	Description	Q'ty
4-003-220-02	Picture Tube Grounding Spring	1	7-621-262-85	⊕P 3φ×40 (for Picture Tube)	1
4-004-143-01	Serial No. Label	1	-261-75	⊕P 3φ×12 (for Electrolytic Capacitor)	1
		mm			
7-651-302-11	Adhesive Tape	155	-268-75	⊕P 4φ×12 (for Power Transformer)	2
4-005-516-01	Circuit Board Support	2	-770-28	⊕B 3φ×6 (for Cabinet)	2
-517-01	Insulation Fiber	2	-261-65	⊕P 3φ×10 (for Cabinet)	2
-518-01	Insulation Fiber Fixing Spring	2	-722-31	⊕R Tapping 3φ×5 (for Circuit Board Holding)	2
4-003-213-01	Front Panel Base Mounting Plate Nut	2			
4-005-519-01	Connecting Piece A for Power Supply	2	-722-61	⊕R Tapping 3φ×10 (for Speaker)	3
-520-01	Speaker Nut	1		(for Tuner)	3
3-804-510-01	Speaker Mounting Piece	3		(for 2 Prong plug)	2
4-003-369-01	High Voltage Insulator	1		(for D.C. plug)	2
4-005-523-01	Insulation Tube Clamper	1		(for Choke Coil for Power Supply)	2
4-004-524-01	Connecting Piece B for Power Supply	2		(for Charging Switch)	2
-525-01	Capacitor Mounting Band	1	-722-51	⊕R Tapping 3φ×8 (for Circuit Board)	4
-537-01	High Voltage Caution Label	1		(for Ant. Assembly)	2
-538-01	Picture Tube Caution Label	1			
-556-02	Cushion for High Voltage Block	1	7-621-725-01	⊕R Tapping 4φ×30 (for Selenium Rectifier)	1
-557-01	Cushion for Printed Circuit Board	1			
	Signal and Deflection Circuit Board Block			Washer	
			7-623-208-22	Spring Washer 3φ (for Picture Tube)	4
4-005-527-02	Heat Sink for Horizontal Power Transistor	1	-108-12	Washer 3φ (for Circuit Board)	3
-528-01	Circuit Board Reinforcement	1	-113-12	Washer 6φ (for Ant. Assembly)	2
4-004-502-01	Heat Sink for Transistor 2SC-291	1	-210-22	(for Carrying Handle)	2
4-002-107-01	Heat Sink for Horizontal Drive Transistor	1	-110-12	Spring Washer 4φ (for Electrolytic Capacitor)	2
4-003-656-01	Heat Sink for Transistor 2SD-65	1	-510-02	Washer 4φ (for Power Transformer)	2
4-005-547-01	Shield Cover	1		Lug, Washer 4φ (for Insulated Tube)	1
-551-01	Circuit Board Reinforcement (Small)	1		Nut	
	Accessories and Packing Materials		7-622-108-02	3φ (for Picture Tube)	1
4-005-532-02	Front Cover (Black)	1	4-004-335-01	6φ (for Carrying Handle)	2
-532-11	Front Cover (White)	1	7-622-110-02	4φ (for Power Transformer)	2
-529-03	Packing Carton (Black)	1	-310-02	4φ (for Insulated Tube)	1
-529-12	Packing Carton (White)	1			
-539-02	Cushion Base	1		Circuit Board Items	
-530-02	Styro-foam Cushion (Left)	1		Screw	
-531-02	" " (Right)	1	7-621-261-72	⊕P 3φ×12 (for Tr. Mounting)	2
-550-01	Polyethylene Bag	1	-261-62	// 3φ×10 (")	2
-549-02	Front Cover Cushion	1	-255-52	// 2φ×8 (")	2
4-495-106-10	Instruction Manual	1	-722-51	⊕R Tapping 3φ×8	
X-40055-08-1	Card Assembly	1		(for Hor. Power Tr. Heat Sink)	2
X-44900-02-1	Polishing Cloth in Polyethylene Bag	1	7-623-105-12	(for Vertical Choke Coil)	2
X-40055-09-1	Warranty Card Assembly	1	-108-12	2φ (for High Voltage Block)	2
4-490-011-24	Serial No. Tag	1	-511-02	2φ (for Hor. Power Tr. Heat Sink)	1
	IBM Card	1		Lug, Washer 4φ (for Tr. Mounting)	
4-002-839-20	IBM Card Envelope	1	7-622-108-02	Nut	
			-105-02	3φ (for Tr. Mounting)	4
				2φ (for Tr. Mounting)	2
				(for High Voltage Block)	2
	B. Screw, Washer & Nut				
	Cabinet Appearance & Items				
	Screw				
7-621-261-45	⊕P 3φ×6 (for Picture Tube)	4			
	(for Circuit Board)	1			





EC6107A 2SB378 2SC756

C505
16A-068 nylon
16A-047 "

SONY CORPORATION

TV9-51UW

ANNOUNCEMENT OF PRODUCTION CHANGE

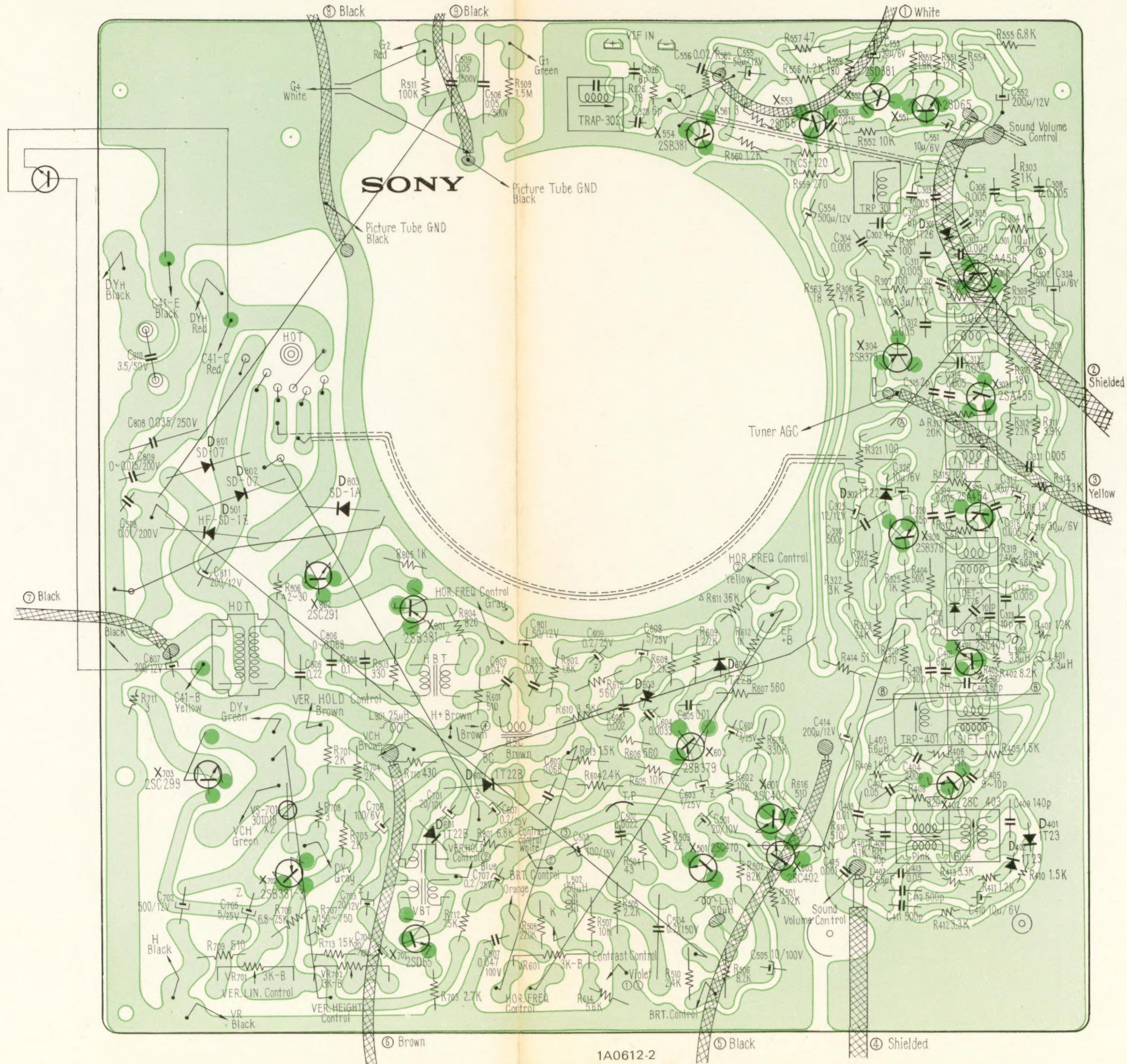
Block	Changed Parts	From	To	Serial No.
Tuner Block	Tuner	BT-222WU	BT-222WU245	After around 65501
Antenna Section	L ₁	Nil	0.18 μ H	
Signal Section	Trap-302	Nil	47.25 Mc	} After around 40001
	R ₃₂₆	Nil	18 Ω	
	C ₃₂₇	Nil	6pF	
	C ₃₂₈	Nil	6pF	
	R ₃₁₅	18K Ω	10K Ω	
AGC Section	L ₃₀₃	470 μ H	Shorted	After around 66000
	C ₃₃₀	Nil	500pF	After around 65000
SYNC Section	X ₆₀₃	Nil	2SC402	} After around 63001
	R ₆₁₇	Nil	150 Ω	
SYNC Section	R ₆₁₆	Nil	510 Ω	} After around 65501
	X ₆₀₁	2SC73	2SC402	
	R ₆₀₂	10K Ω	27K Ω	
	R ₆₀₃	330K Ω	150K Ω	
	R ₆₀₄	5.1K Ω	2.4K Ω	
Sound Section	C ₅₅₈	Nil	0.015 μ F	After around 69000
	C ₅₅₇	Nil	0.02 μ F	After around 65501
	C ₅₅₆	Nil	0.02 μ F	After around 66000
Video Section	X ₅₀₁	2SC115	2SC470	After around 64501
Deflection Section	C ₈₀₆	0.1 μ F	0.22 μ F	After around 69000

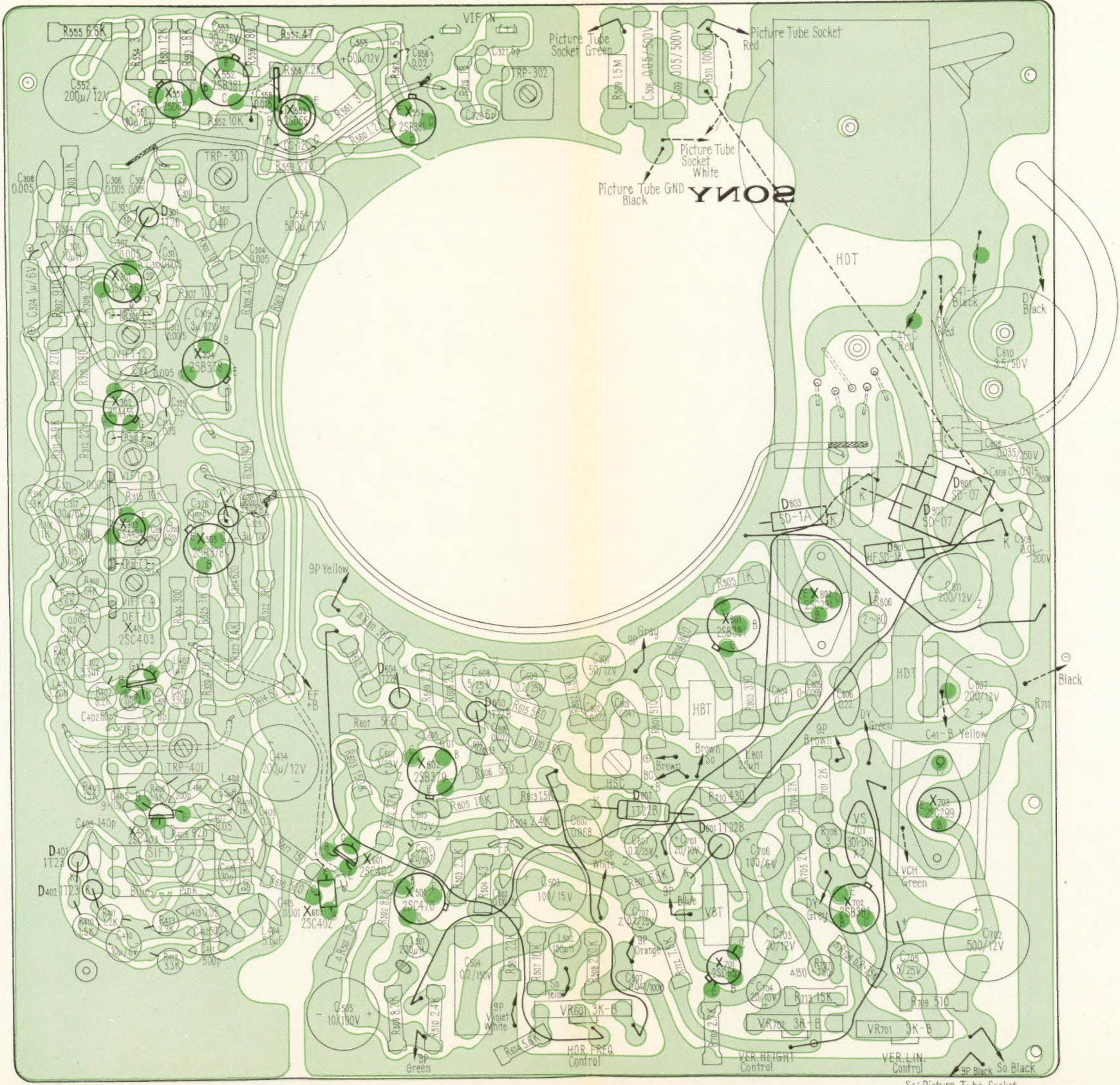
Parts in were changed with change of corresponding transistors.

SONY CORPORATION

Mounting Diagram

—Printed Side—





So: Picture Tube Socket

