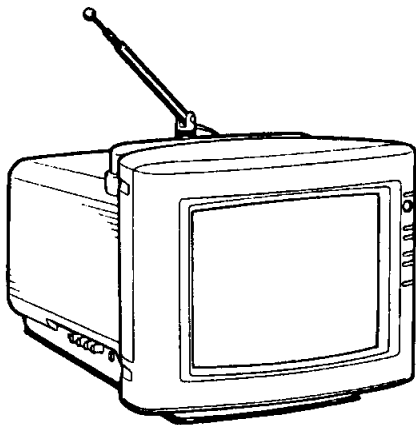


KV-8AD11/8AD14

RM-792/793

SERVICE MANUAL



US Model
KV-8AD11
Chassis No. SCC-E73A-A
KV-8AD14
Chassis No. SCC-E73B-A
Canadian Model
KV-8AD11
Chassis No. SCC-E74A-A

MODELS OF THE SAME SERIES	
KV-8AD11/8AD14	

SPECIFICATIONS

Television system	American TV standard, NTSC color	Weight	Approx. 5.0 kg (11 lb)
Channel coverage	VHF channels 2 – 13 UHF channels 14 – 69 CATV channels 1 – 125 (181 total receivable channels)	Cabinet color	KV-8AD11: gray KV-8AD14: white
Picture tube	Trinitron tube 8-inch picture measured diagonally 9-inch picture tube measured diagonally 70-degree deflection	Supplied accessories	Remote Commander with 2 size AA (R6) batteries (1) RM-792 (KV-8AD11) RM-793 (KV-8AD14) AC power cord (1) Telescopic antenna (1) Car battery cord DCC-17AW (1)
Antenna	VHF/UHF telescopic antenna	Optional accessories	Connecting cord VCM-920MS
Speaker	77mm round (3 1/8 inches)	Design and specifications are subject to change without notice.	
Inputs	VIDEO IN jacks VIDEO: RCA phono-type 1 Vp-p, 75 ohms AUDIO: RCA phono-type monaural EXT ANT (Combined CATV/VHF/UHF 75-ohm, F-type) Earphone jack		
Output	VIDEO OUT jacks VIDEO: RCA phono-type AUDIO: RCA phono-type monaural		
Power requirements	120 V AC, 60 Hz 12/24 V DC		
Power consumption	AC IN: 41 W max. DC IN: 32 W max.		
Dimensions	Approx. 239 x 197 x 310 mm (w/h/d) (9 1/2 x 7 7/8 x 12 1/4 inches)		



TRINITRON® COLOR TV
SONY®


TABLE OF CONTENTS

<u>Section</u>	<u>Title</u>	<u>Page</u>	<u>Section</u>	<u>Title</u>	<u>Page</u>
1. GENERAL			4. SAFETY RELATED ADJUSTMENTS		21
1-1.	Identifying the Parts	5	5. CIRCUIT ADJUSTMENTS		
1-2.	Preparing for Use	6	5-1.	A Board Adjustments	23
1-3.	Watching TV Programs	9	5-2.	D Board Adjustments	23
1-4.	Adjusting Picture Quality	10	6. DIAGRAMS		
1-5.	Using Other Convenient Features	10	6-1.	Block Diagram	25
1-6.	Connecting Video Equipment	11	6-2.	Circuit Boards Location	28
2. DISASSEMBLY			6-3.	Printed Wiring Boards and Schematic Diagrams	29
2-1.	Cover Removal	13	6-4.	Semiconductors	41
2-2.	Speaker and F Board Removal	13	7. EXPLODED VIEW		42
2-3.	D Board Removal	14	8. ELECTRICAL PARTS LIST		43
2-4.	Service Position	14			
2-5.	Picture Tube Removal	15			
3. SET-UP ADJUSTMENTS					
3-1.	Beam Landing	17			
3-2.	Convergence	18			
3-3.	Focus	20			
3-4.	Screen (G2) and White Balance	20			

CAUTION

SHORT CIRCUIT THE ANODE OF THE PICTURE TUBE AND THE ANODE CAP TO THE METAL CHASSIS, CRT SHIELD, OR CARBON PAINTED ON THE CRT, AFTER REMOVING THE ANODE.


SAFETY-RELATED COMPONENT WARNING !!

COMPONENTS IDENTIFIED BY SHADING AND MARK  ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY. CIRCUIT ADJUSTMENTS THAT ARE CRITICAL TO SAFE OPERATION ARE IDENTIFIED IN THIS MANUAL. FOLLOW THESE PROCEDURES WHENEVER CRITICAL COMPONENTS ARE REPLACED OR IMPROPER OPERATION IS SUSPECTED.

ATTENTION

APRES AVOIR DECONNECTE LE CAP DE L'ANODE, COURT-CIRCUITER L'ANODE DU TUBE CATHODIQUE ET CELUI DE L'ANODE DU CAP AU CHASSIS METALLIQUE DE L'APPAREIL, OU AU COUCHE DE CARBONE PEINTE SUR LE TUBE CATHODIQUE OU AU BLINDAGE DU TUBE CATHODIQUE.

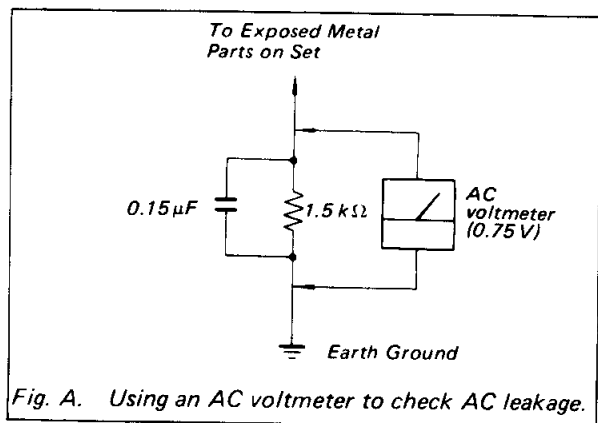
ATTENTION AUX COMPOSANTS RELATIFS À LA SÉCURITÉ!!

LES COMPOSANTS IDENTIFIÉS PAR UNE TRAME ET PAR UNE MARQUE  SUR LES SCHÉMAS DE PRINCIPE, LES VUES EXPLOSÉES ET LES LISTES DE PIÈCES SONT D'UNE IMPORTANCE CRITIQUE POUR LA SÉCURITÉ DU FONCTIONNEMENT. NE LES REMPLACER QUE PAR DES COMPOSANTS SONY DONT LE NUMÉRO DE PIÈCE EST INDIQUÉ DANS LE PRÉSENT MANUEL OU DANS DES SUPPLÉMENTS PUBLIÉS PAR SONY. LES RÉGLAGES DE CIRCUIT DONT L'IMPORTANCE EST CRITIQUE POUR LA SÉCURITÉ DU FONCTIONNEMENT SONT IDENTIFIÉS DANS LE PRÉSENT MANUEL. SUIVRE CES PROCÉDURES LORS DE CHAQUE REMPLACEMENT DE COMPOSANTS CRITIQUES, OU LORSQU'UN MAUVAIS FONCTIONNEMENT EST SUSPECTÉ.

SAFETY CHECK-OUT (US Model Only)

After correcting the original service problem, perform the following safety checks before releasing the set to the customer:

1. Check the area of your repair for unsoldered or poorly-soldered connections. Check the entire board surface for solder splashes and bridges.
2. Check the interboard wiring to ensure that no wires are "pinched" or contact high-wattage resistors.
3. Check that all control knobs, shields, covers, ground straps, and mounting hardware have been replaced. Be absolutely certain that you have replaced all the insulators.
4. Look for unauthorized replacement parts, particularly transistors, that were installed during a previous repair. Point them out to the customer and recommend their replacement.
5. Look for parts which, though functioning, show obvious signs of deterioration. Point them out to the customer and recommend their replacement.
6. Check the line cord for cracks and abrasion. Recommend the replacement of any such line cord to the customer.
7. Check the condition of the monopole antenna (if any).
Make sure the end is not broken off, and has the plastic cap on it. Point out the danger of impalement on a broken antenna to the customer, and recommend the antenna's replacement.
8. Check the B+ and HV to see they are at the values specified. Make sure your instruments are accurate; be suspicious of your HV meter if sets always have low HV.
9. Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.



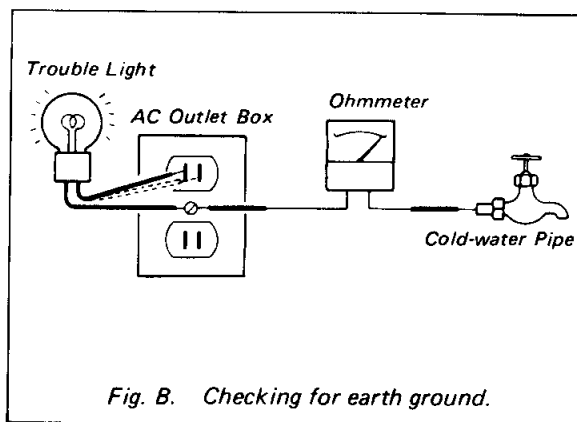
LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microampers). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2V AC range are suitable. (See Fig. A)

HOW TO FIND A GOOD EARTH GROUND

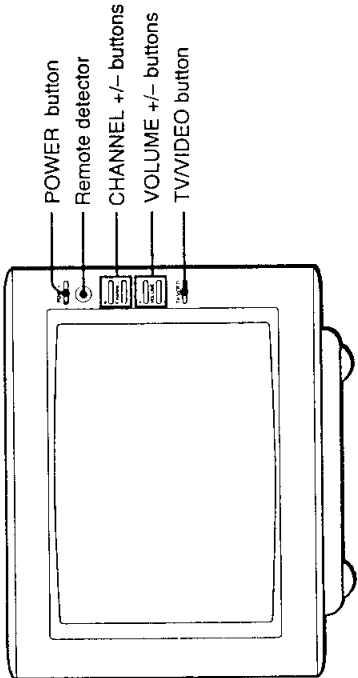
A cold-water pipe is guaranteed earth ground; the cover-plate retaining screw on most AC outlet boxes is also at earth ground. If the retaining screw is to be used as your earth-ground, verify that it is at ground by measuring the resistance between it and a cold-water pipe with an ohmmeter. The reading should be zero ohms. If a cold-water pipe is not accessible, connect a 60-100 watts trouble light (not a neon lamp) between the hot side of the receptacle and the retaining screw. Try both slots, if necessary, to locate the hot side of the line, the lamp should light at normal brilliance if the screw is at ground potential. (See Fig. B)



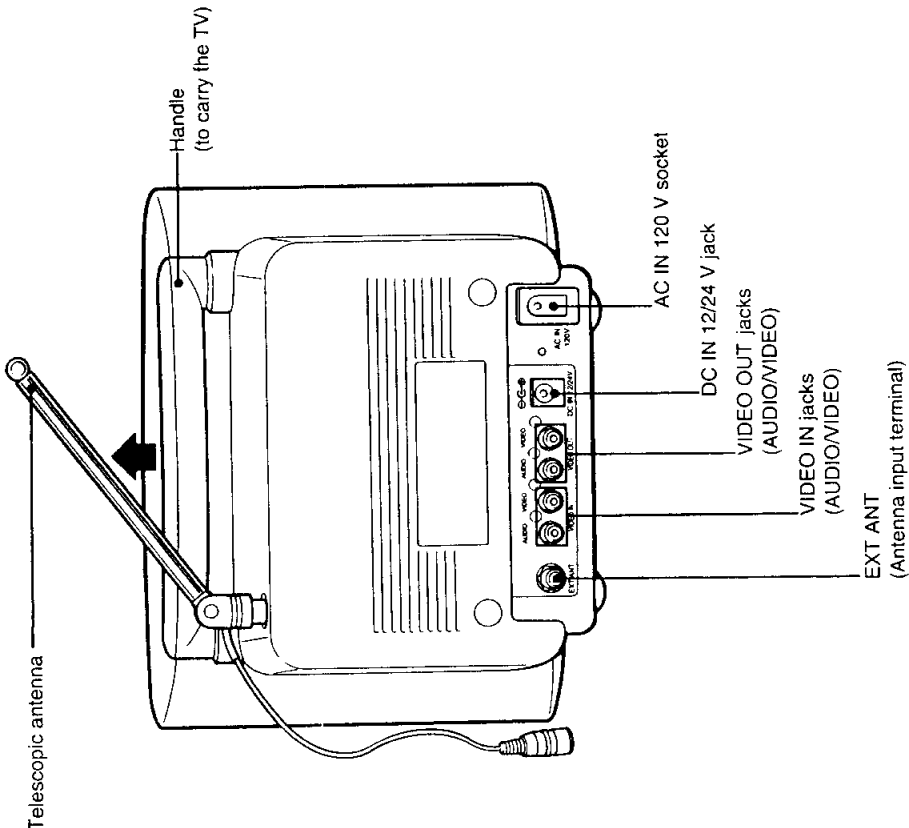
SECTION 1
GENERAL

1-1. IDENTIFYING THE PARTS

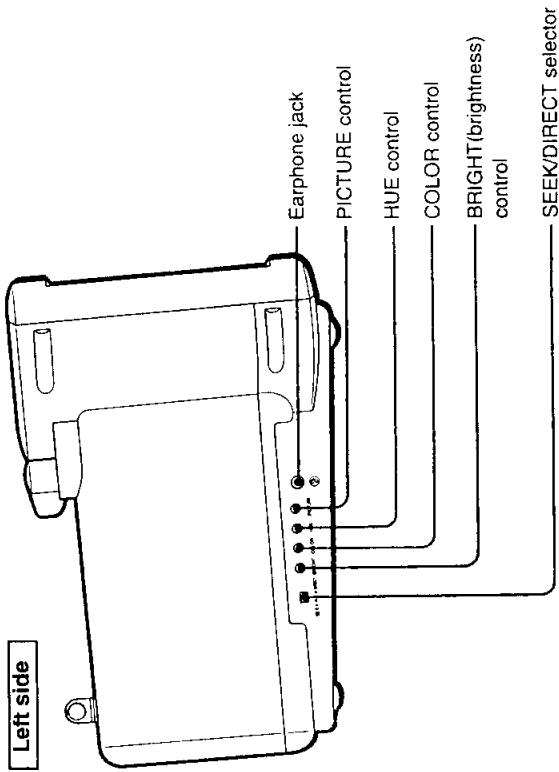
Front



Rear

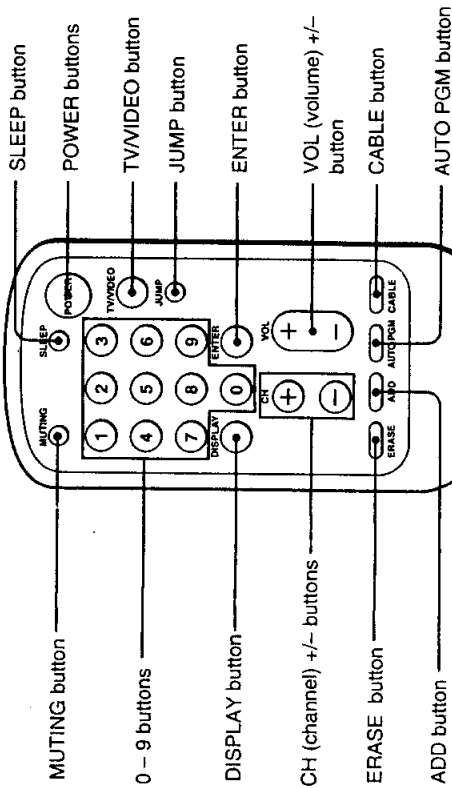


Left side



1-2. PREPARING FOR USE

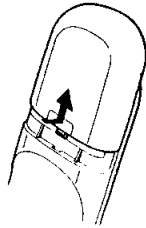
Remote commander



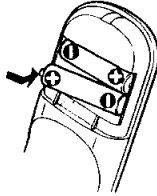
RM-792 (KV-8AD11)
RM-793 (KV-8AD14)

Installing batteries

1 Remove the battery compartment cover.



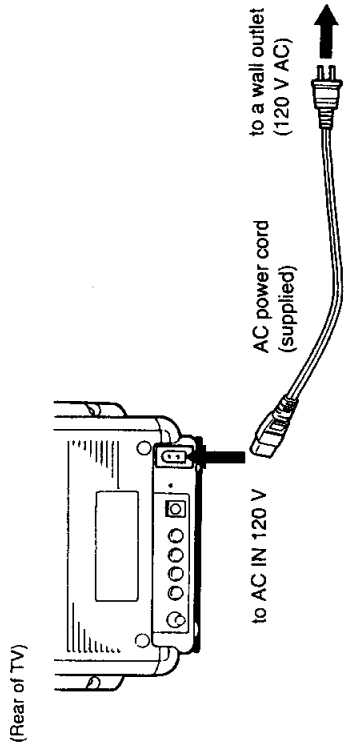
2 Insert two size AA (R6) batteries in correct polarity; then replace the lid.



Notes

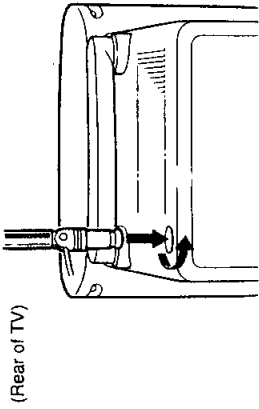
- In normal operation, batteries will last up to half a year. If the TV does not operate properly, the batteries might be exhausted. Replace all with new ones.
- To avoid damage from possible battery leakage, remove the batteries for extended unused periods.
- Be sure that there are no obstructions between the Remote Commander and the TV.
- Operable range is limited.
- If a Remote Commander not recommended is used to operate this TV, or if the supplied Remote Commander is used to operate another TV, the TV may not operate properly.

Using house current

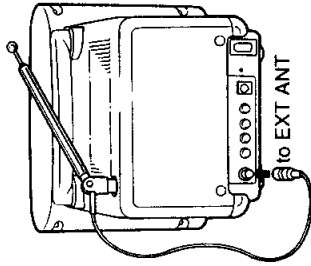


Connecting the supplied telescopic antenna

1 Insert the antenna into the receptacle on the TV, and twist to ensure a secure fit.

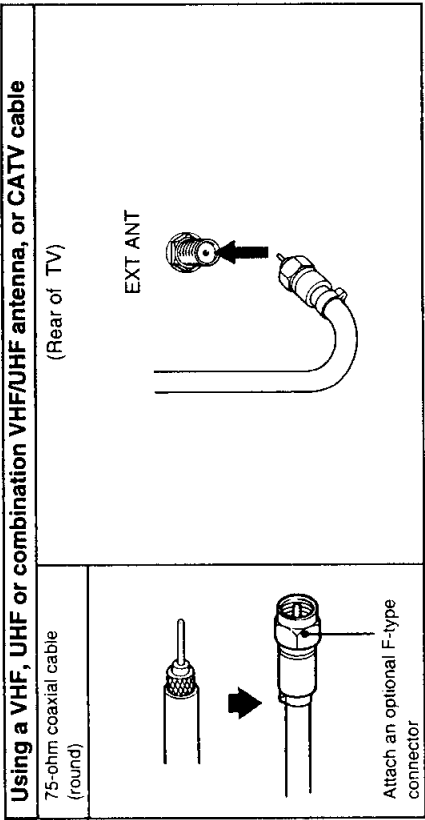


2 Attach the antenna connector to the EXT ANT terminal.



We recommend connecting VHF/UHF antennas for better picture quality. You can receive cable TV by connecting a cable supplied by your local cable company.

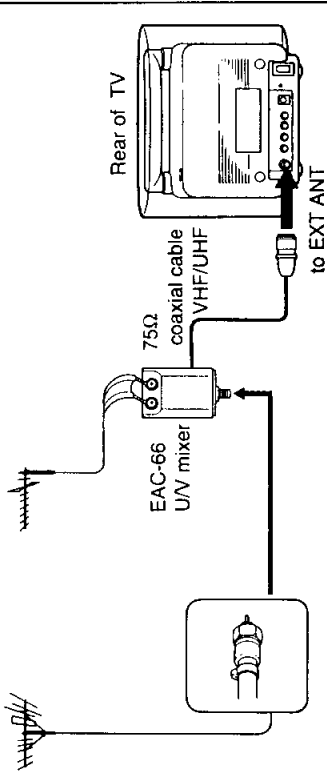
Prepare the antenna end according to your cable type.



Connecting both VHF and UHF antennas

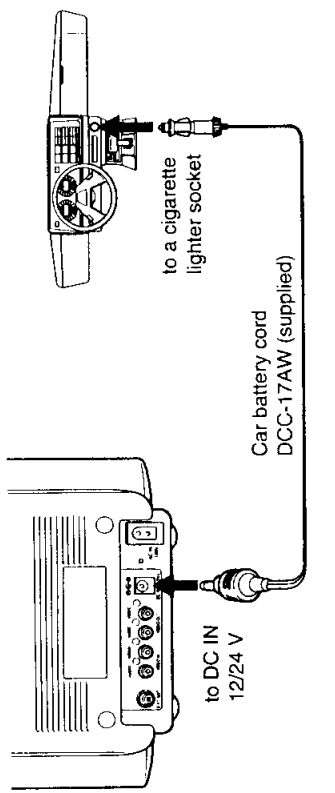
Use the EAC-66 U/V mixer (not supplied).

- 1 Remove the telescopic antenna from the EXT ANT terminal on the TV.
- 2 Prepare the antenna end using the appropriate connector (see the illustration above), and connect the antenna to EXT ANT.



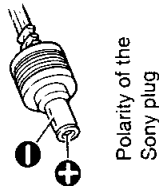
When you use the U/V mixer
Visual and audio interference may occur in the cable TV channels over 37 (W+1).

Using a car battery



Notes

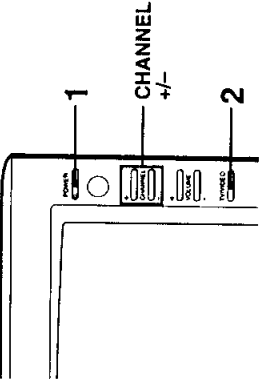
- For car use, the TV is designed for negative ground 12/24 V DC operation only.
- Use only the supplied car battery cord manufactured by Sony.
- Polarity of the plugs of other manufacturers may be different.
- When you aren't using the TV, remove the car battery cord from the cigarette lighter socket.



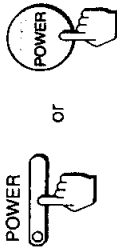
Polarity of the Sony plug

Presetting TV Channels

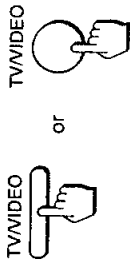
Presetting TV channels automatically



- 1 Press POWER on the TV or the Remote Commander to turn the TV on.

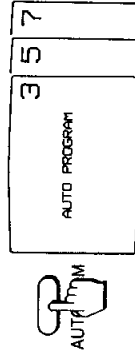


- 2 Press TV/VIDEO on the TV or the Remote Commander so that the TV mode appears.



If "VIDEO" is displayed on the screen, press TV/VIDEO on the TV or the Remote Commander again so that a channel number appears.

- 3 Press AUTO PGM.



"AUTO PROGRAM" is displayed on the screen and receivable channels (other than the channels already preset) will be preset in numerical sequence. The channels previously preset remain in the TV's memory.

When no more channels can be found, the programming stops and the lowest numbered channel is displayed.

Channels that can be received on this TV:

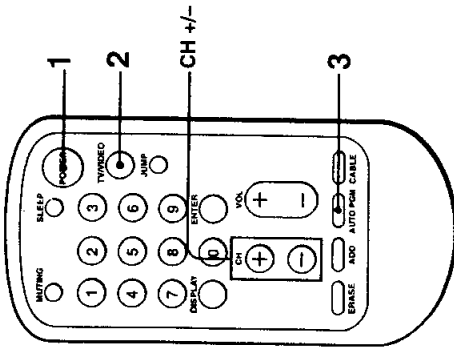
VHF: 2 - 13

UHF: 14 - 69

Cable: 1 - 125

To check preset channels

Press CH +/- on the TV or the Remote Commander.

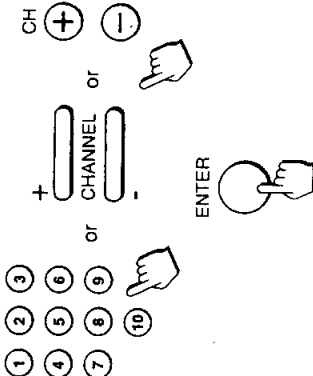


Presetting only desired channels or erasing unnecessary channels

- 1 Set the SEEK/DIRECT selector to DIRECT.



- 2 To select a channel, press the 0 - 9 buttons (to add channels) or CHANNEL +/- (CH +/-) (to erase channels); then press ENTER.



- 3 Press ADD to add channels.



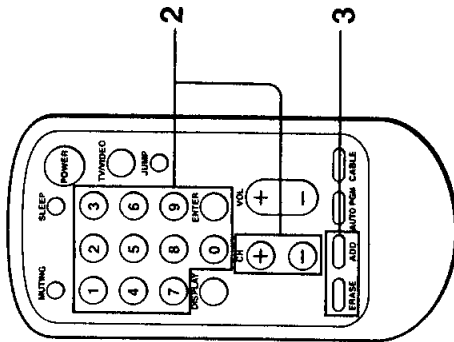
A "+" appears before the number for a moment. This channel has now been added to the channel scan memory.

Press ERASE to erase channels.

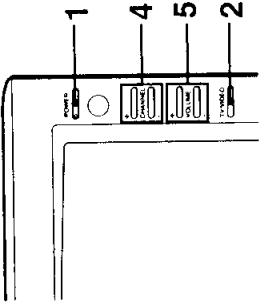


A "-" appears before the number for a moment. This channel has now been erased from the channel scan memory. The next time you press the CH +/- buttons, this channel will be skipped.

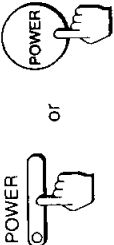
Repeat steps 1 and 2 to add or erase other channels.



1-3. WATCHING TV PROGRAMS

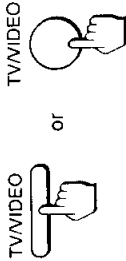


- 1** Press POWER on the TV or the Remote Commander to turn the TV on.



Note
The first time you use the TV, press POWER on the TV to turn the power on.

- 2** Press the TV/VIDEO button on the TV or the Remote Commander to select TV mode.
(TV and VIDEO modes are selected in sequence.)

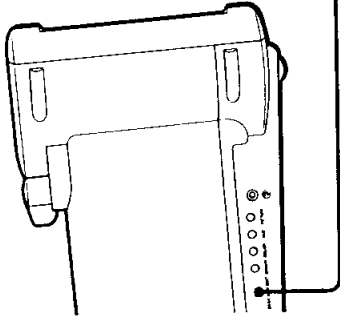
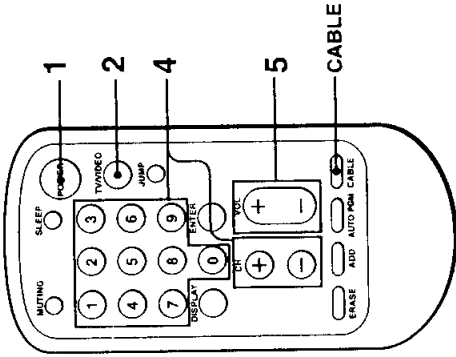


- 3** Set the SEEK/DIRECT selector to choose the method you prefer for selecting channels.



SEEK mode
Press CHANNEL +/- on the TV, or CH +/- on the Remote Commander to select receivable channels only. (You can also select channels using the 0 - 9 buttons.)
Use SEEK mode to improve channel reception while viewing your TV in a car.

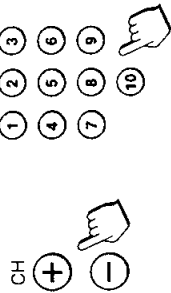
DIRECT mode
Press the 0 - 9 buttons on the Remote Commander to select a channel directly. (When you press CHANNEL +/- or CH +/-, non-receiving channels will also be selected.)



- 4** Press CHANNEL +/- on the TV, or press CH +/- or 0 - 9 buttons on the Remote Commander to select the channel you want to watch.

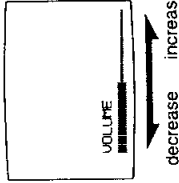
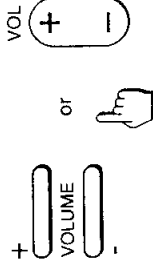


or



- 5** Press VOLUME +/- on the TV or VOL +/- on the Remote Commander to adjust the volume.

To increase volume, press "+".
To decrease volume, press "-".



To watch cable TV channels
Press CABLE (the "C" display will appear) and select channels directly.
When you want to watch VHF/UHF channels, press CABLE again so that the "C" display disappears.

To turn the TV off.
Press POWER on the TV or on the Remote Commander.

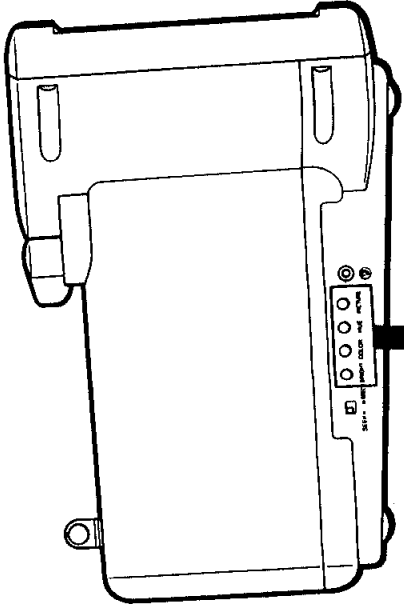
Note
When you erase a VHF or UHF channel, the cable TV channel with the same number is also erased, and vice versa.









Cable TV channel chart*
Cable TV systems use letters or numbers to designate channels. To tune in a channel, refer to the chart below.

Number on this TV	Corresponding cable TV channel
1	A-8
5	A-7
6	A-6
14	A
15	B
16	C
17	D
18	E
19	F
20	G
21	H
22	I
23	J
24	K
25	L
26	M
27	N
28	O
29	P
30	Q
31	R
32	S
33	T
34	U
35	V
36	W
37	W+1
38	W+2
39	W+3
93	W+57
94	W+58
95	A-5
96	A-4
97	A-3
98	A-2
99	A-1
100	W+59
101	W+60
102	W+61
123	W+82
124	W+83
125	W+84

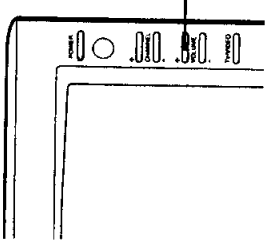
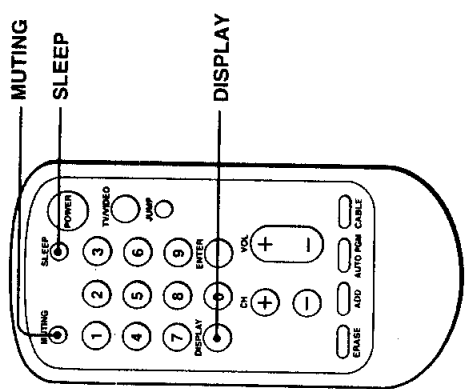
* This designation of cable TV channels conforms to the EIA/NCITA recommendation. Check with your local cable TV company for more complete information on the available channels.

1-4. ADJUSTING PICTURE QUALITY



<p>To increase brightness</p> 	<p>To decrease brightness</p> 	<p>To increase color intensity</p> 	<p>To decrease color intensity</p> 	<p>Skin tones become greenish</p> 	<p>Skin tones become purplish</p> 	<p>To increase picture contrast</p> 	<p>To decrease picture contrast</p> 
BRIGHT		COLOR		HUE		PICTURE	

1-5. USING OTHER CONVENIENT FEATURES

Muting the sound
Press MUTE to mute the TV sound.

MUTING

To turn muting off
Press MUTE again, or VOL +.

Setting the sleep timer
Press SLEEP to set the TV to turn off in the amount of time you choose. Each time you press SLEEP, the time increments 30, 60 and 90 are selected in sequence.

SLEEP

SLEEP 30
SLEEP 60
SLEEP 90
SLEEP OFF

The "SLEEP" display (red) will appear 1 minute before the TV turns off.
To turn the sleep timer off
Press SLEEP once more after 90.

Displaying the input mode
Press DISPLAY. The current input modes (channel, TV/VIDEO) will be displayed on the screen.

DISPLAY

12 (TV mode)

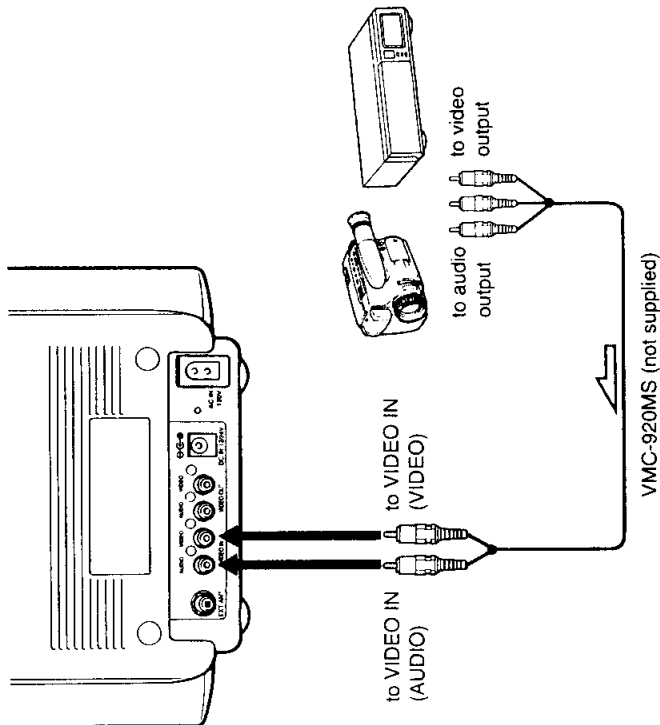
To turn the display off
Press DISPLAY again.

1-6. CONNECTING VIDEO EQUIPMENT

Connecting a VCR or 8mm video camera

Before connecting, turn off the power on all equipment.

(Rear of TV)



Watching a VCR picture

1 Turn on the TV.

2 Press the TV/VIDEO button on the TV or the Remote Commander so that "VIDEO" appears on the screen.

To return to TV mode

Press the TV/VIDEO button on the TV or the Remote Commander so that a channel number appears on the screen.

Switching quickly between 2 channels

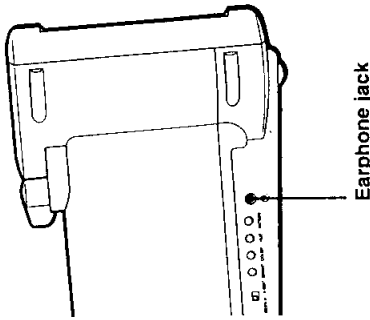
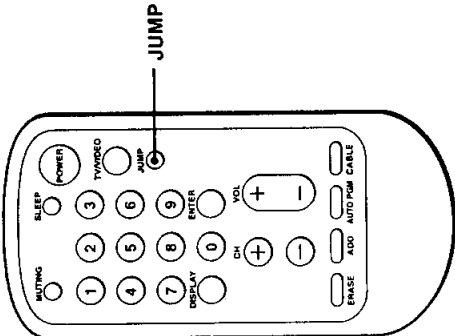
Press JUMP once to recall the channel you were watching previously; press JUMP again to switch back. Use this feature to keep track of two programs alternately.

JUMP

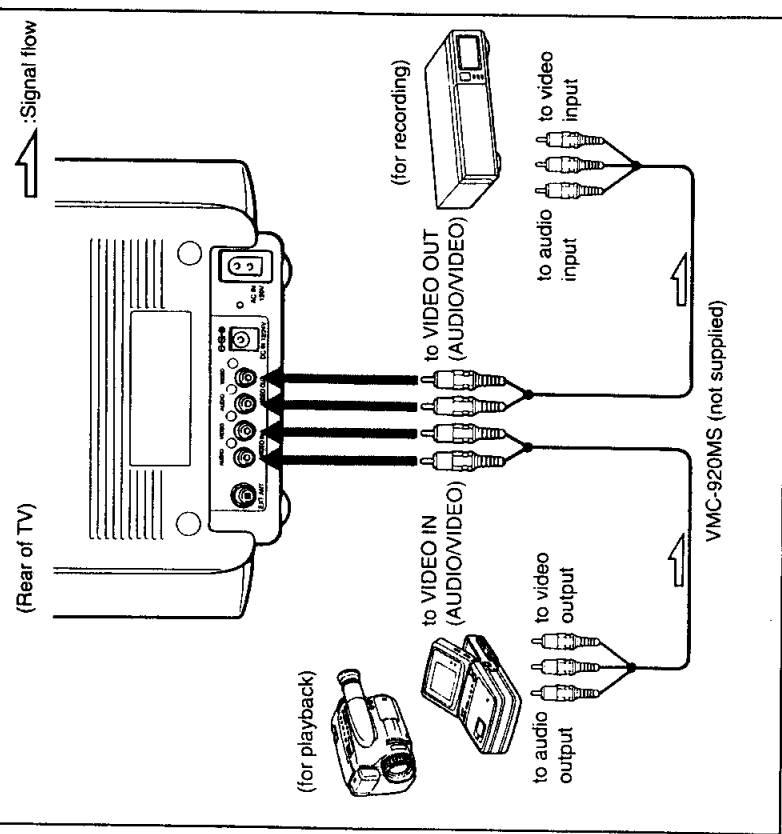


Listening through an earphone

You can listen to the TV's sound through an optional earphone connected to an earphone jack.



Connecting two VCRs for tape editing



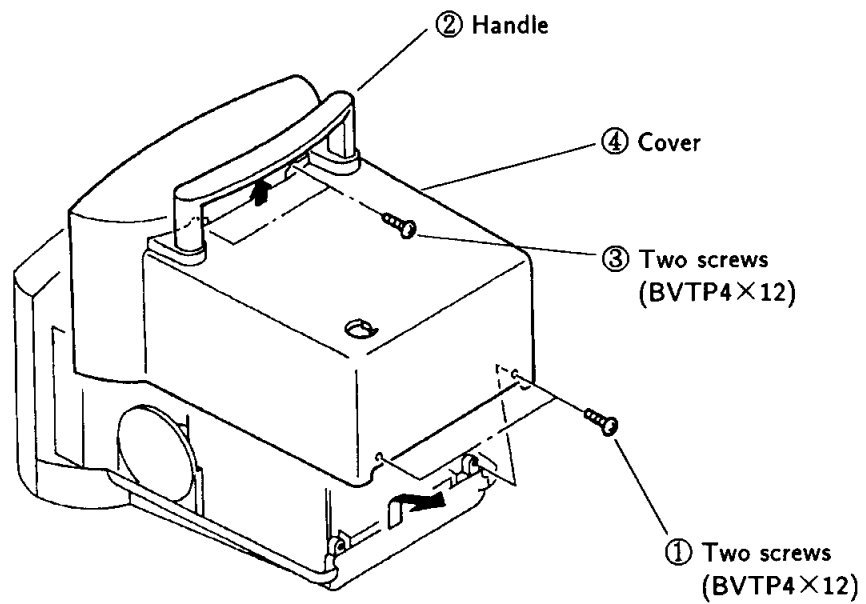
Notes

- Move the VCR away from the TV, if the display or sound is affected.
- For operating instructions, refer to the instruction manual furnished with the VCR.

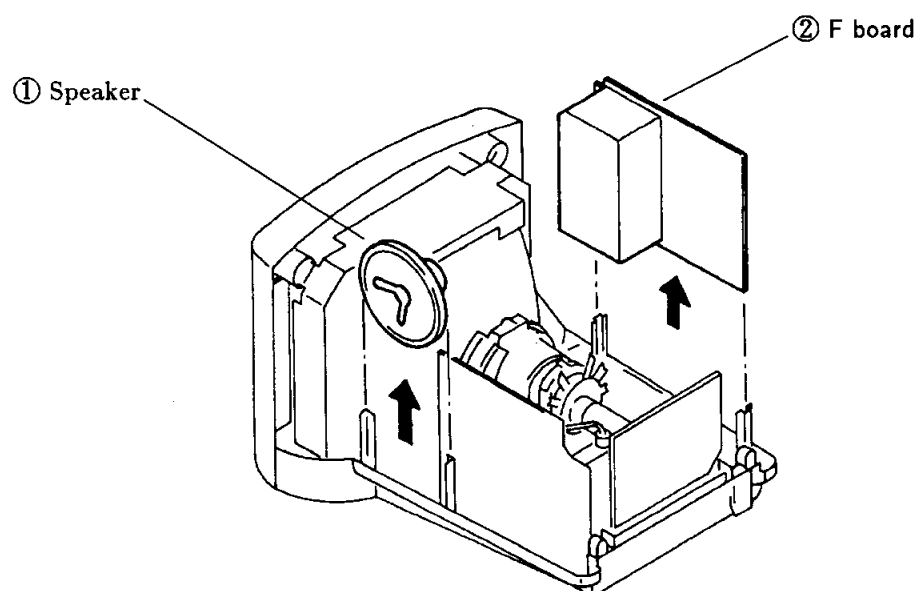
SECTION 2 DISASSEMBLY

2-1. COVER REMOVAL

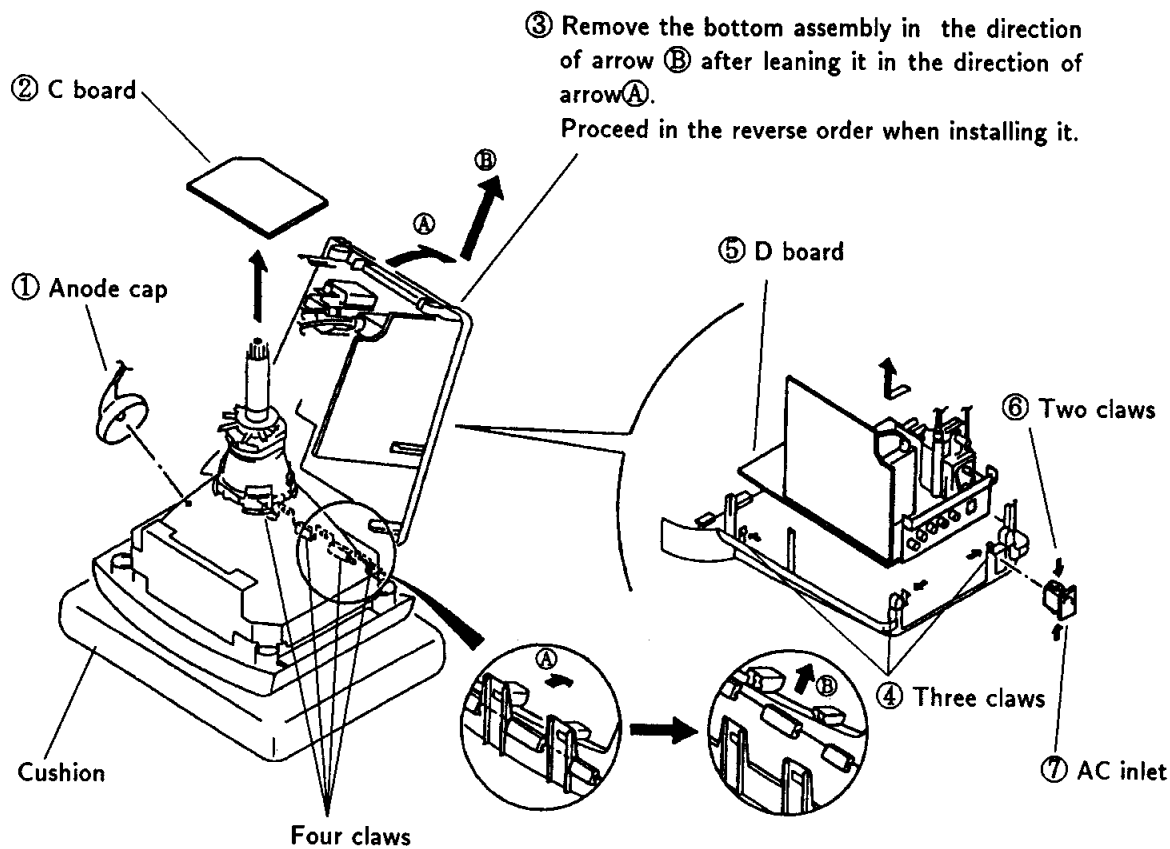
NOTE : Follow the disassembly procedure in the numerical over given.



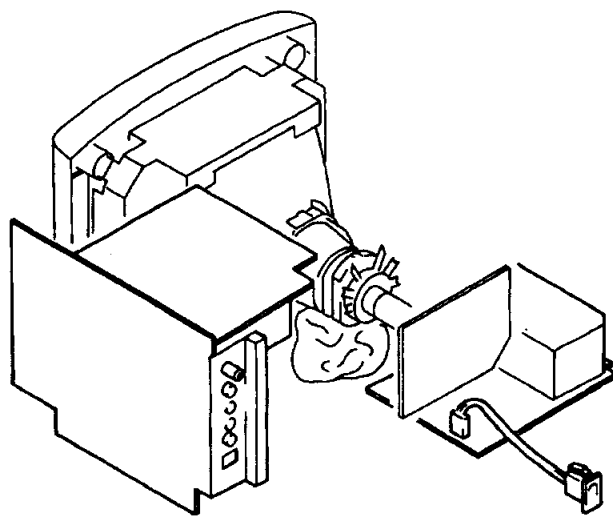
2-2. SPEAKER AND F BOARD REMOVAL



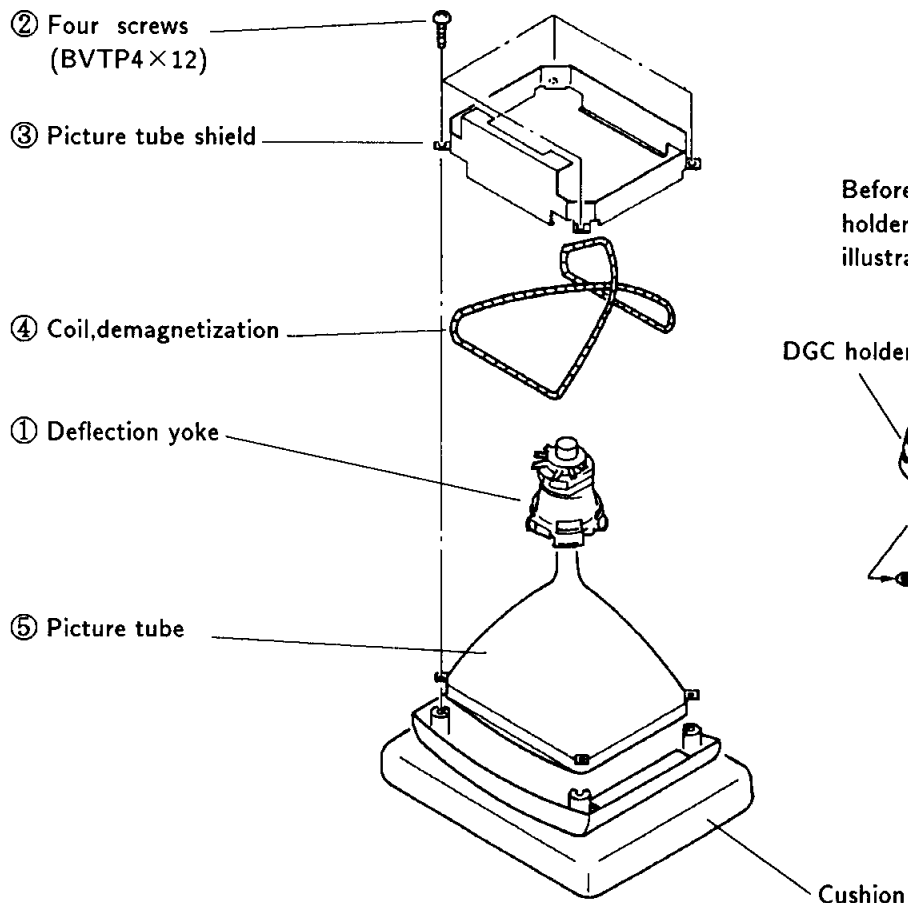
2-3. D BOARD REMOVAL



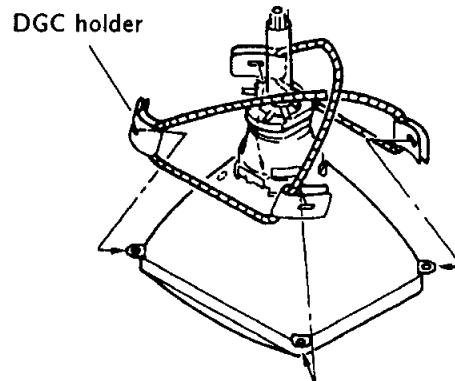
2-4. SERVICE POSITION



2-5. PICTURE TUBE REMOVAL

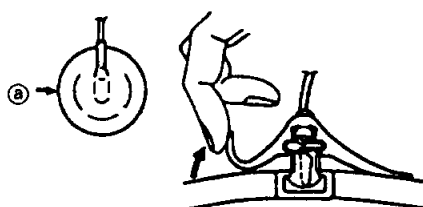


Before replacing the CRT, use the DGC holder for the CRT as shown in the illustration, and wind the DGC.

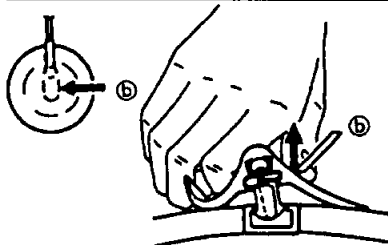


• REMOVAL OF ANODE-CAP • REMOVING PROCEDURES

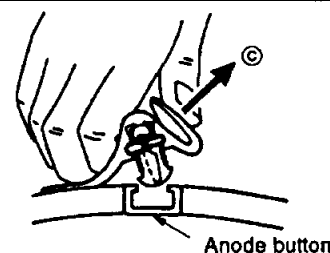
Note: Short circuit the anode of the picture tube and the anode cap to the metal chassis, CRT shield, or carbon painted on the CRT, after removing the anode.



① Turn up one side of the rubber cap in the direction indicated by the arrow ③.



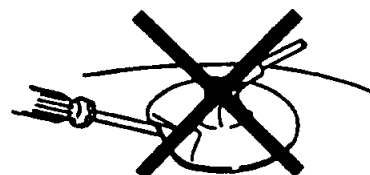
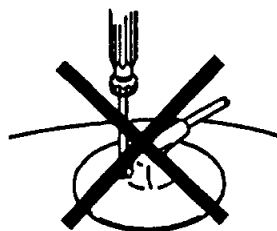
② Using a thumb pull up the rubber cap firmly in the direction indicated by the arrow ⑥.



③ When one side of the rubber cap is separated from the anode button, the anode-cap can be removed by turning up the rubber cap and pulling up it in the direction of the arrow ⑦.

• HOW TO HANDLE AN ANODE-CAP

- ① Don't hurt the surface of anode-caps with sharp shaped material!
- ② Don't press the rubber hardly not to hurt inside of anode-caps!
A material fitting called as shatter-hook terminal is built in the rubber.
- ③ Don't turn the foot of rubber over hardly!
The shatter-hook terminal will stick out or hurt the rubber.



SECTION 3

SET-UP ADJUSTMENTS

- The following adjustments should be made when a complete realignment is required or a new picture tube is installed.
- These adjustments should be performed with rated power supply voltage unless otherwise noted.

The controls and switch should be set as follows unless otherwise noted :

PICTURE control..... normal
BRIGHTNESS control..... normal

Perform the adjustments in order as follows:

1. Beam Landing
2. Convergence
3. Focus
4. Screen (G 2) and White Balance

Note: Test Equipment Required.

1. Color bar Pattern Generator
2. Degausser
3. DC Power Supply
4. Digital multimeter

Preparation:

- Feed in the white pattern signal.
- Before starting, degauss the entire screen.

3-1. BEAM LANDING

1. Input a raster signal with the pattern generator.
2. Loosen the deflection yoke mounting screw, and set the purity control to the center as shown in Fig.2
3. Turn the raster signal of the pattern generator to green.
4. Move the deflection yoke backward, and adjust with the purity control so that green is in the center and red and blue are at the sides evenly. (Fig.3)
5. Move the deflection yoke forward, and adjust so that the entire screen becomes green. (Fig.1)
6. Switch over the raster signal to red and blue and confirm the condition.
7. When the position of the deflection yoke is determined, tighten it with the deflection yoke mounting screw.
8. When landing at the corner is not right, adjust by using the disk magnets. (Fig.4)

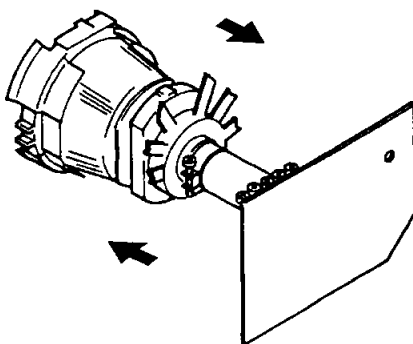


Fig.1

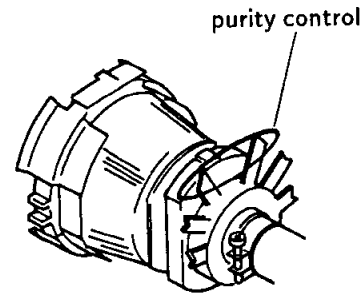


Fig.2

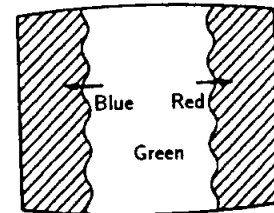


Fig.3

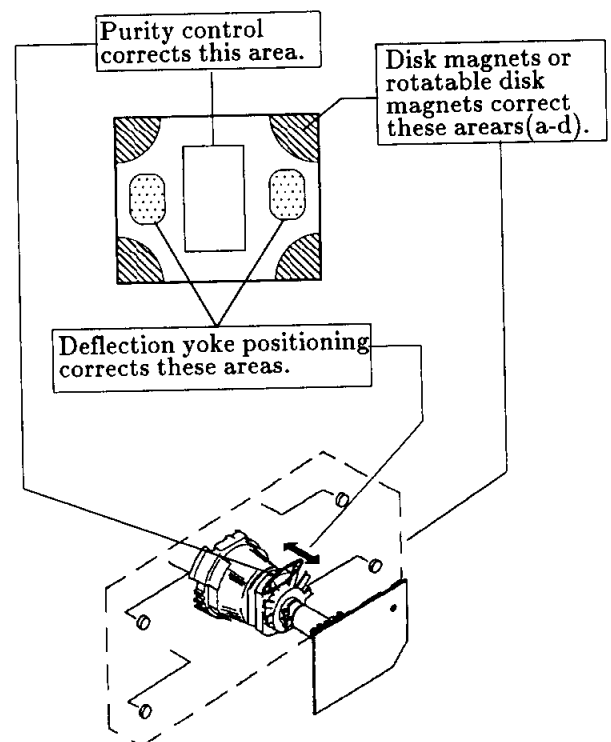


Fig.4

3-2. CONVERGENCE

Preparation:

- Before starting, perform FOCUS, H.SIZE, V.LIN and V.SIZE adjustments.
- Set BRIGHTNESS control to minimum.
- Feed in dot pattern.

(1) Horizontal and Vertical Static Convergence

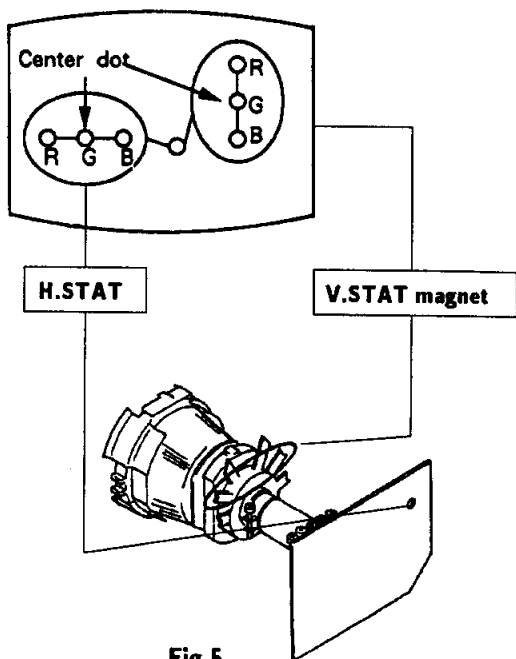
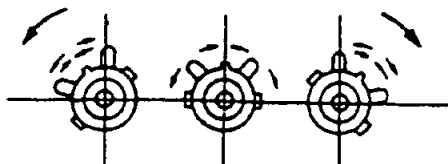
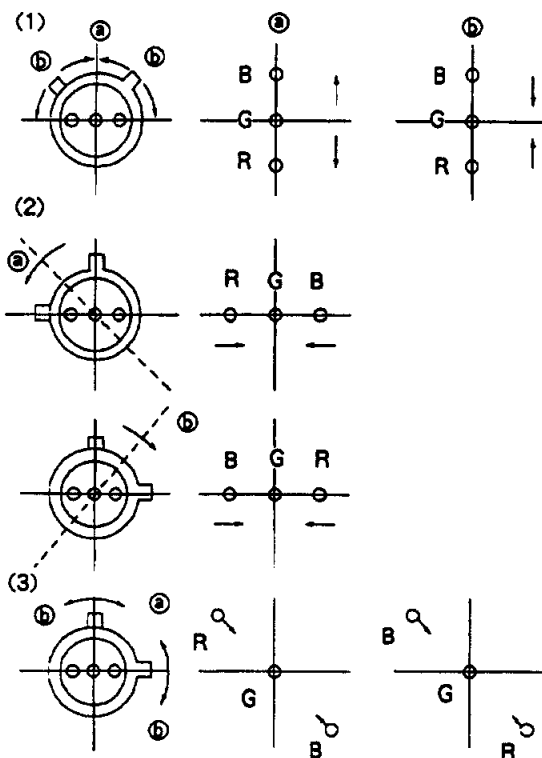


Fig.5

1. Adjust H.STAT VR to converge red, green and blue dots the in center of the screen.(Horizontal movement)
 2. Adjust V. STAT magnet to converge red, green and blue dots in the center of the screen. (Vertical movement)
 3. If the red, green and blue dots do not converge on the center of screen with H.STAT VR, perform horizontal convergence adjustment using H.STAT VR and V.STAT magnet as shown below. (In this case, H.STAT VR and V.STAT magnet effect each other.)
- Tilt the V.STAT magnet and adjust static convergence to open or close the V.STAT magnet.



4. When the V.STAT magnet is moved in the direction of arrow ③ and ④, red, green and blue dots move as shown below.



* IF the red and green dots do not coincide with blue dot, adjustment with BMC (6-poles) magnet.

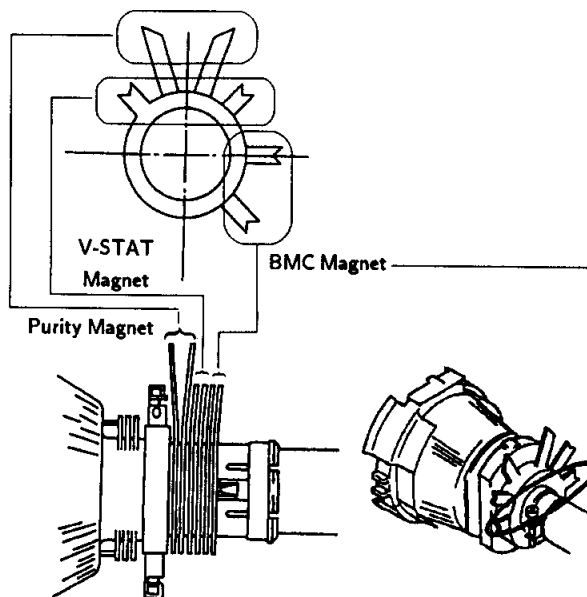
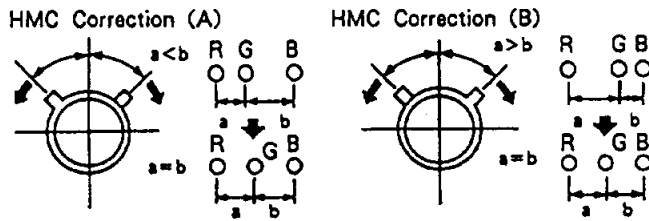
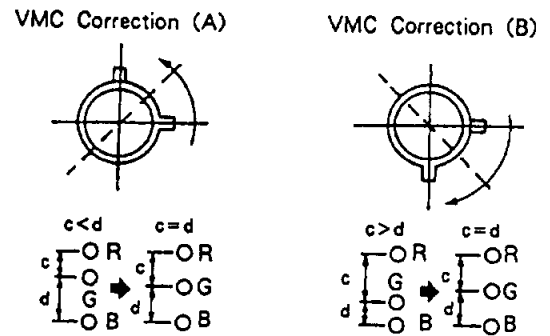


Fig.6

- HMC and VMC correction for BMC (6-pole) magnet.
1. HMC (Horizontal Misconvergence) correction and motion of the Electron Beam with the BMC (6-poles) magnet.



2. VMC (Vertical Misconvergence) correction and motion of the Electron Beam with the BMC (6-poles) magnet.

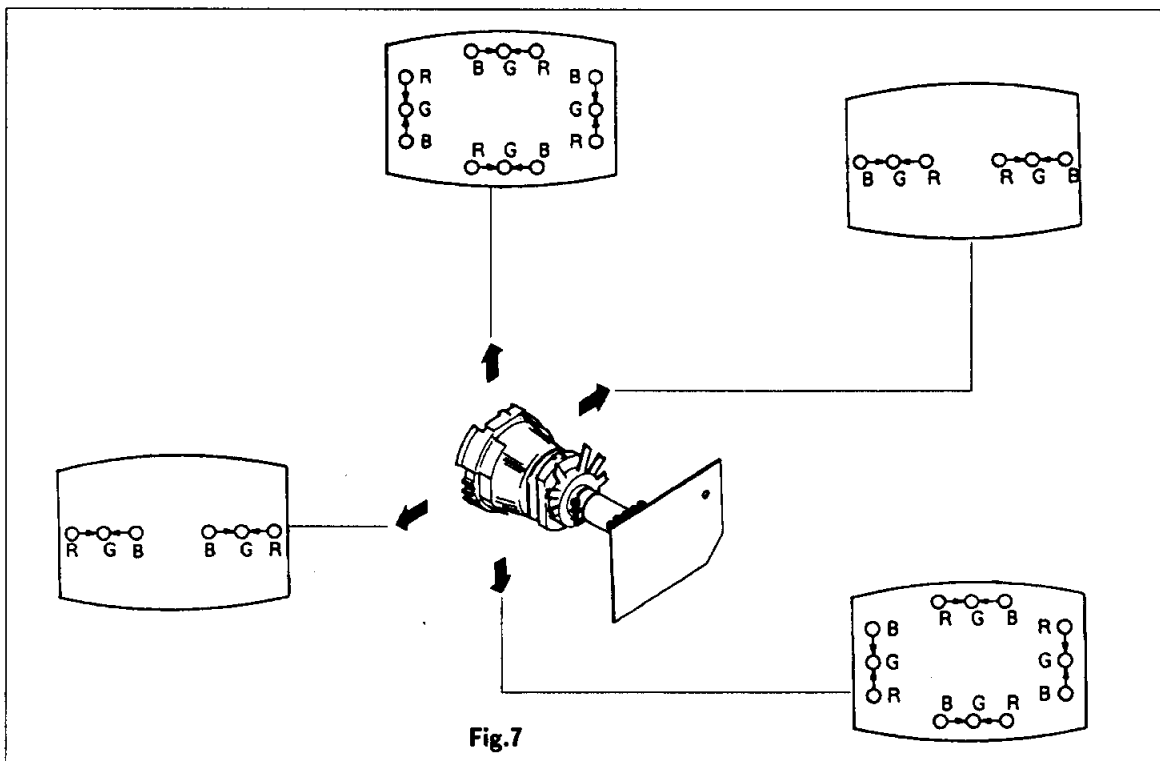


(2) Dynamic Convergence Adjustment

Preparation:

- Before starting perform Horizontal and Vertical static convergence Adjustment.
1. Slightly loosen deflection yoke screw.
 2. Remove deflection yoke spacers.

3. Move the deflection yoke for best convergence as shown below.
4. Tighten the deflection yoke screw.
5. Install the deflection yoke spacers.



(3) Screen-corner Convergence

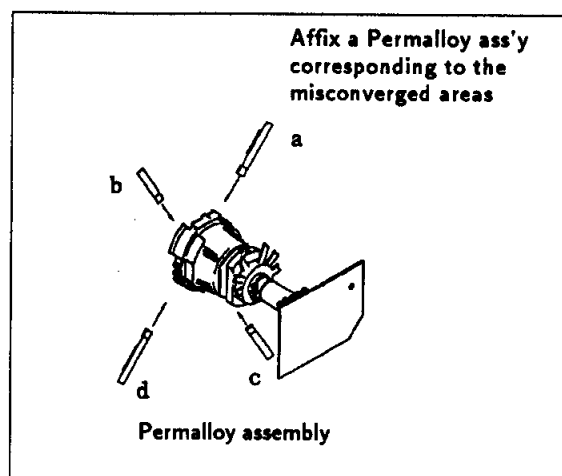
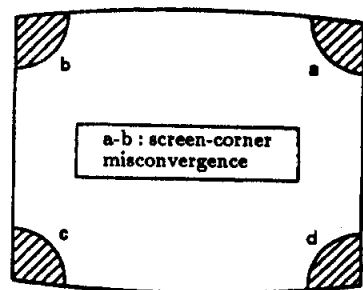


Fig.8

3-3. FOCUS

Adjust FOCUS control (FBT) for best picture.

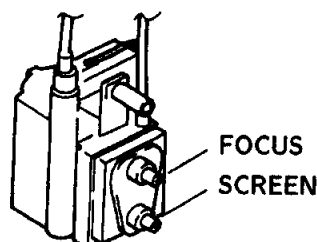


Fig.9

3-4. SCREEN(G 2) and WHITE BALANCE

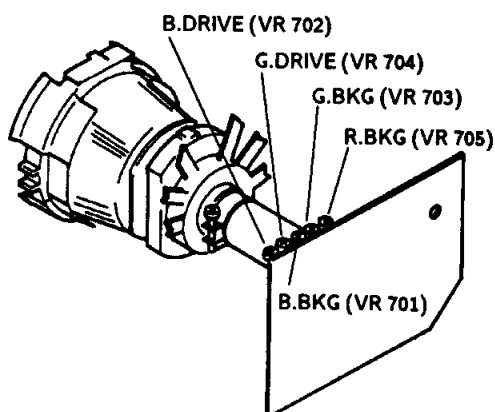


Fig.10

[SCREEN(G2)]

1. Input a dots pattern.
2. Set the PIC, BRT controls at minimum and COLOR control at normal.
3. Adjust BKG VRs (RV 701, RV 703 and RV 705) so that voltages on the red, green and blue cathodes are 100 V dc with an oscilloscope as shown in Fig.11.
4. Observe the screen and adjust SCREEN VR (FBT) to obtain the faintly visible background of dot signal.

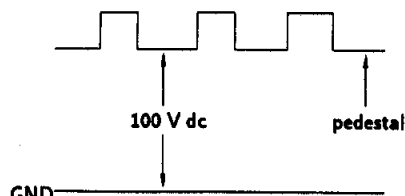


Fig.11

[WHITE BALANCE]

1. Receive a all white signal using a pattern generator.
2. Set the PIC control to minimum and set the BRT control at normal.
3. Adjust BKG controls (VR701, 703, 705) for best white balance.
4. Set the PICTURE control to maximum. Observe the screen and adjust the DRIVE controls (VR 702, 704) for best white balance.
5. Repeat steps 3 and 4.

SECTION 4

SAFETY RELATED ADJUSTMENTS

☒ R879, R840, CONFIRMATION METHOD (HOLD-DOWN CONFIRMATION) AND READJUSTMENT

The following adjustment should be performed when replacing the following components.

(Marked with ☒ on the schematic diagram)

R 240, R 814, R 879, R 840, D 805, C 812, C 825

1. Receive a color bar signal.
2. Set the picture volume and brightness at center click position.
3. Confirm that 16 V DC voltage is output to TP 101 on A board.
4. Next, apply 19.3 V DC external voltage to TP 101 and confirm that it hold down.
5. When step 4 is not satisfied, readjustment should be performed by altering the resistance value of R 879 and R 840. (D board marked with ☒)

☒ R662, VR 651, B+ VOLTAGE CONFIRMATION AND ADJUSTMENT

The following adjustment should be performed when replacing the following components.

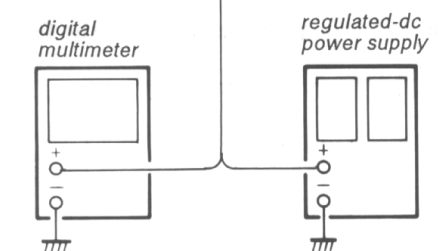
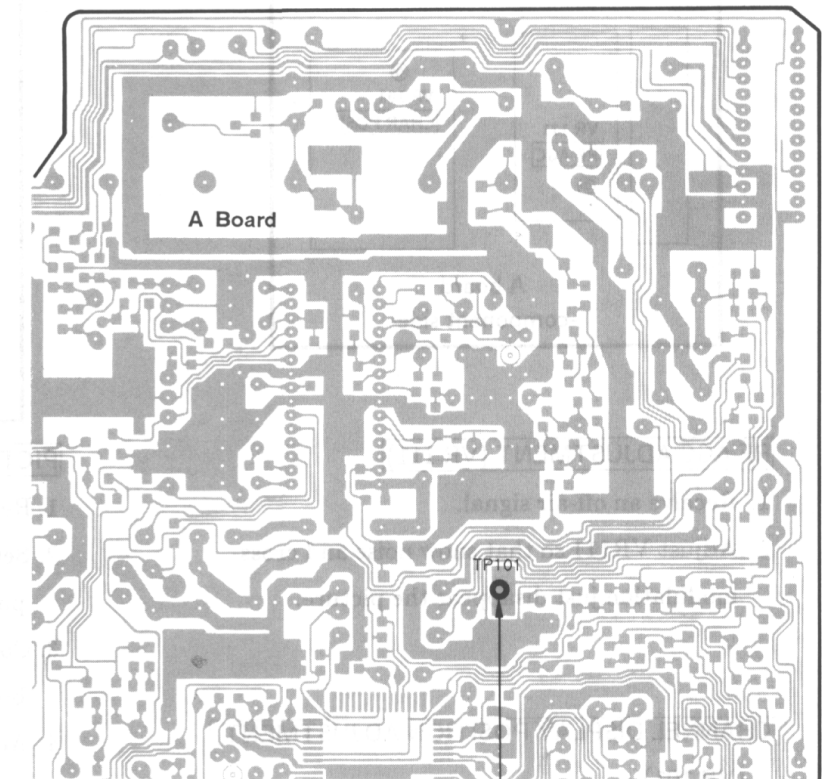
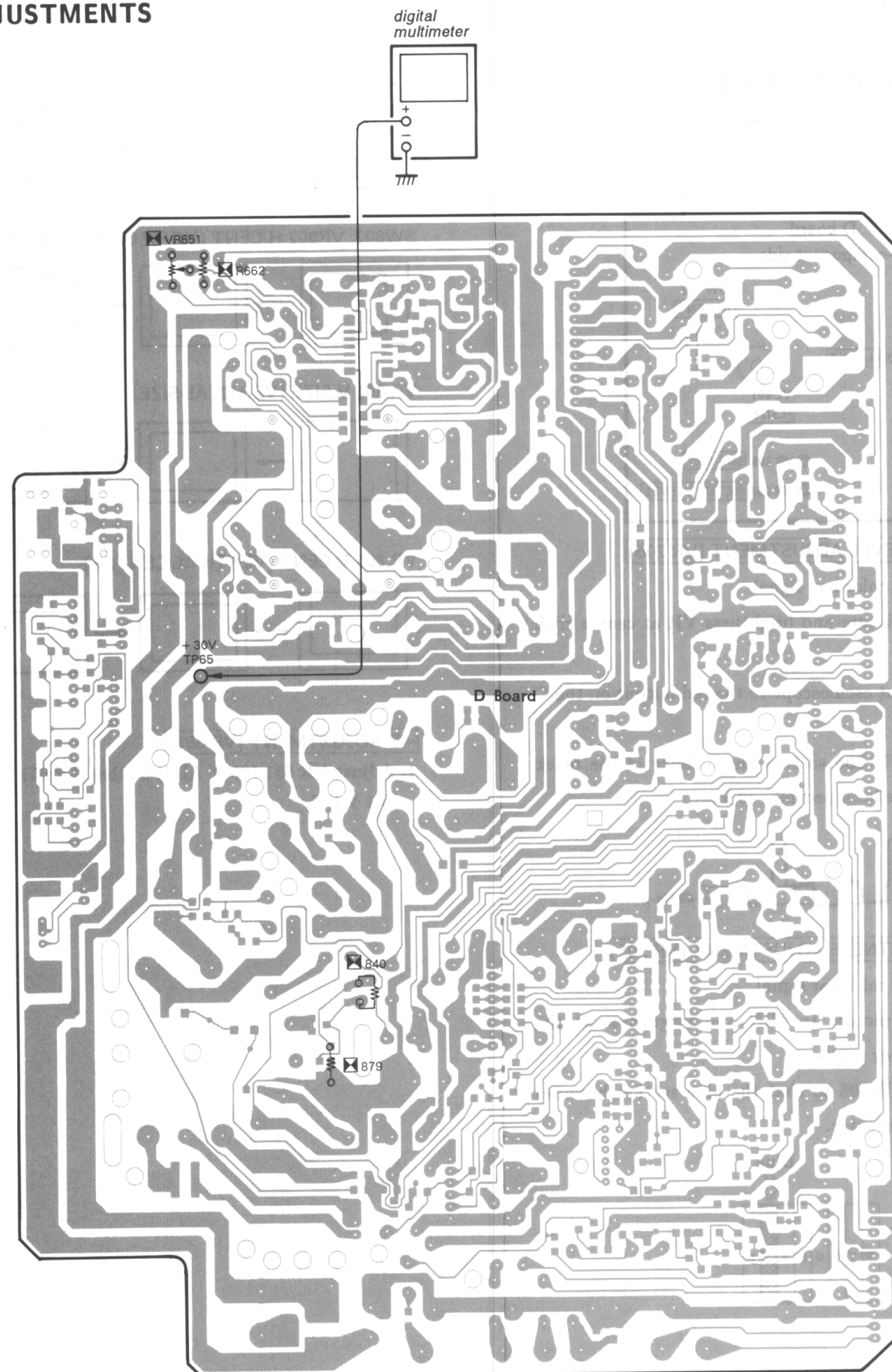
(Marked with ☒ on the schematic diagram)

R 660, R 661, R 662, R 665, VR 651, IC 652

1. Set the power source to 120 V \pm 5% AC.
2. Receive a color bar signal.
3. Set the picture volume and brightness at the center click position.
4. Adjust VR 651 (30 V ADJ), then adjust the +B power source. At this time, confirm that the power is 30.3 \pm 0.1 V DC. (TP 651 on A board)
5. When step 4 is not satisfied, readjustment should be performed by altering the resistance value of R 662 and VR 651. (D board marked with ☒)

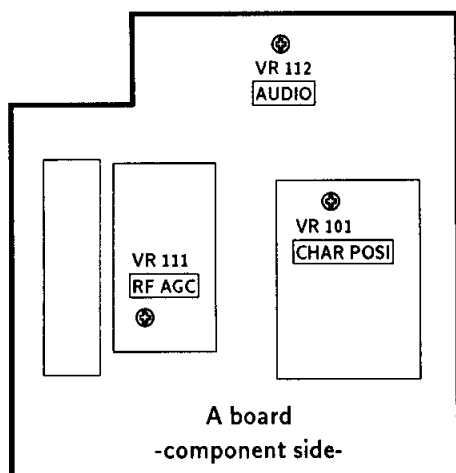
CONFIRMATION AFTER REPLACING FBT

Confirm that 16 V \pm 1 V DC voltage is output to TP 101 when replacing the flyback transformer.



SECTION 5 CIRCUIT ADJUSTMENTS

5-1. A BORAD ADJUSTMENTS

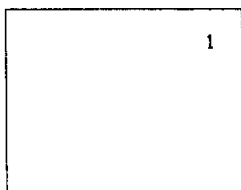


RF AGC ADJUSTMENT (VR 111)

1. Receive an off-air signal.
2. Adjust VR111 so that snow noise and cross-modulation just disappear the picture.

CHANNEL DISPLAY POSITION ADJUSTMENT (VR 101)

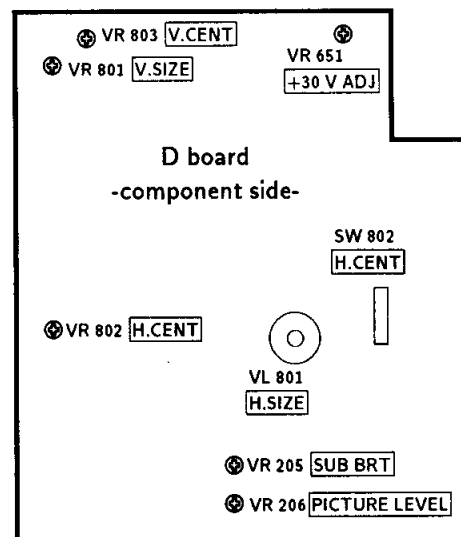
1. Adjust VR101 so that CHANNEL display position comes to the position shown in the figure.



AUDIO ADJUSTMENT (VR 112)

1. Receive a broadcast signal.
2. Adjust VR 112 so that the sound become optimum with minimum distortion.

5-2. D BORAD ADJUSTMENTS



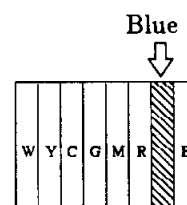
PICTURE LEVEL ADJUSTMENT (VR 206)

1. Receive a color bay signal.
2. Set the picture and brightness VR at center click position.
3. Connect at oscilloscope to the red output on the C board.
4. Adjust VR 206 so that the balance of the black and white level becomes 49 Vp-p.



SUB-BRIGHTNESS ADJUSTMENT (VR 205)

1. Receive a color bar signal.
2. Set the picture to MIN and brightness at the center click position.
3. Adjust VR 305 so that the blue section becomes slightly brighter.



VL 801 H.SIZE (HORIZONTAL SIZE)



SW802, VR802 H.CENT (HORIZONTAL CENTER)



VR 801 V.SIZE (VERTICAL SIZE)



VR 803 V.CENT (VERTICAL CENTER)

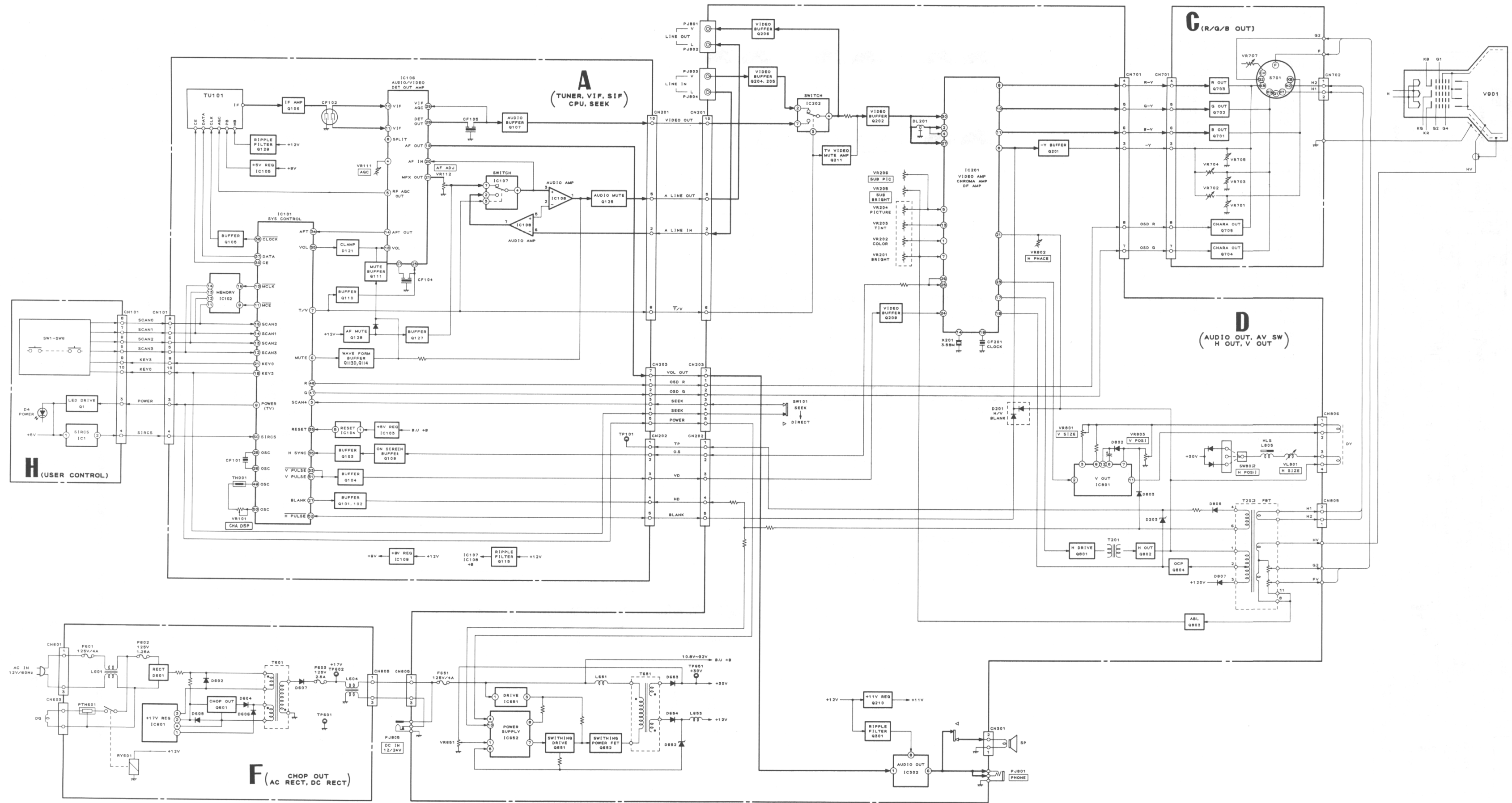


+B ADJUSTMENT (VR 651)

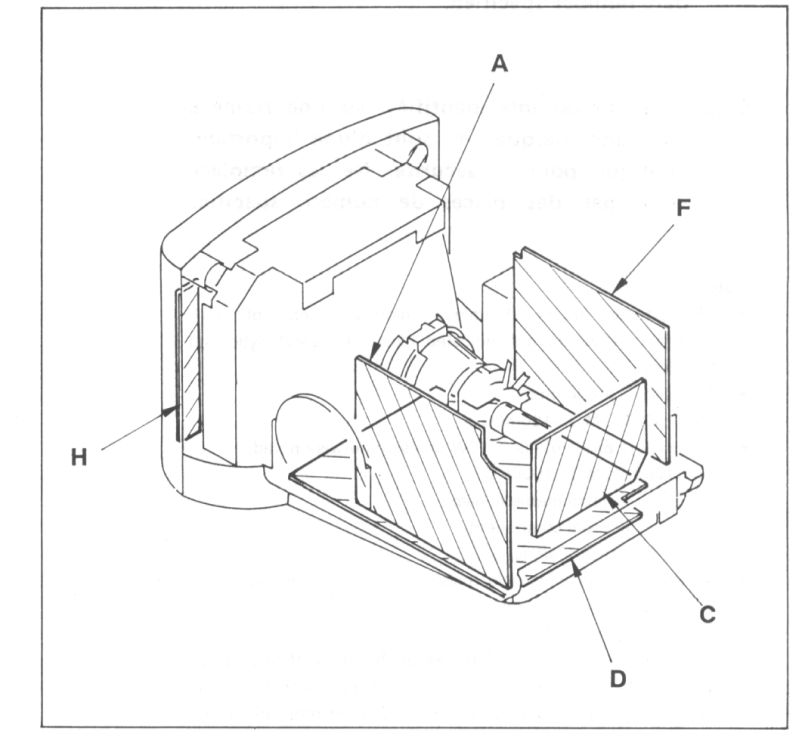
1. Adjust VR 651 (30 V ADJ) so that TP 651 is 30.3 ± 0.1 V DC.

SECTION 6
DIAGRAMS

6-1. BLOCK DIAGRAM



6-2. CIRCUIT BOARDS LOCATION





6-3. PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS

KV-8AD11/8AD14
RM-792/793








KV-8AD11/8AD14
RM-792/793



D [AUDIO OUT, AV SW,
H OUT, V OUT]




Note: The components identified by shading and mark  are critical for safety. Replace only with part number specified.

Note: Les composants identifiés par une trame et par une marque  sont d'une importance critique pour la sécurité. Ne les remplacer que par des pièces de numéro spécifié.

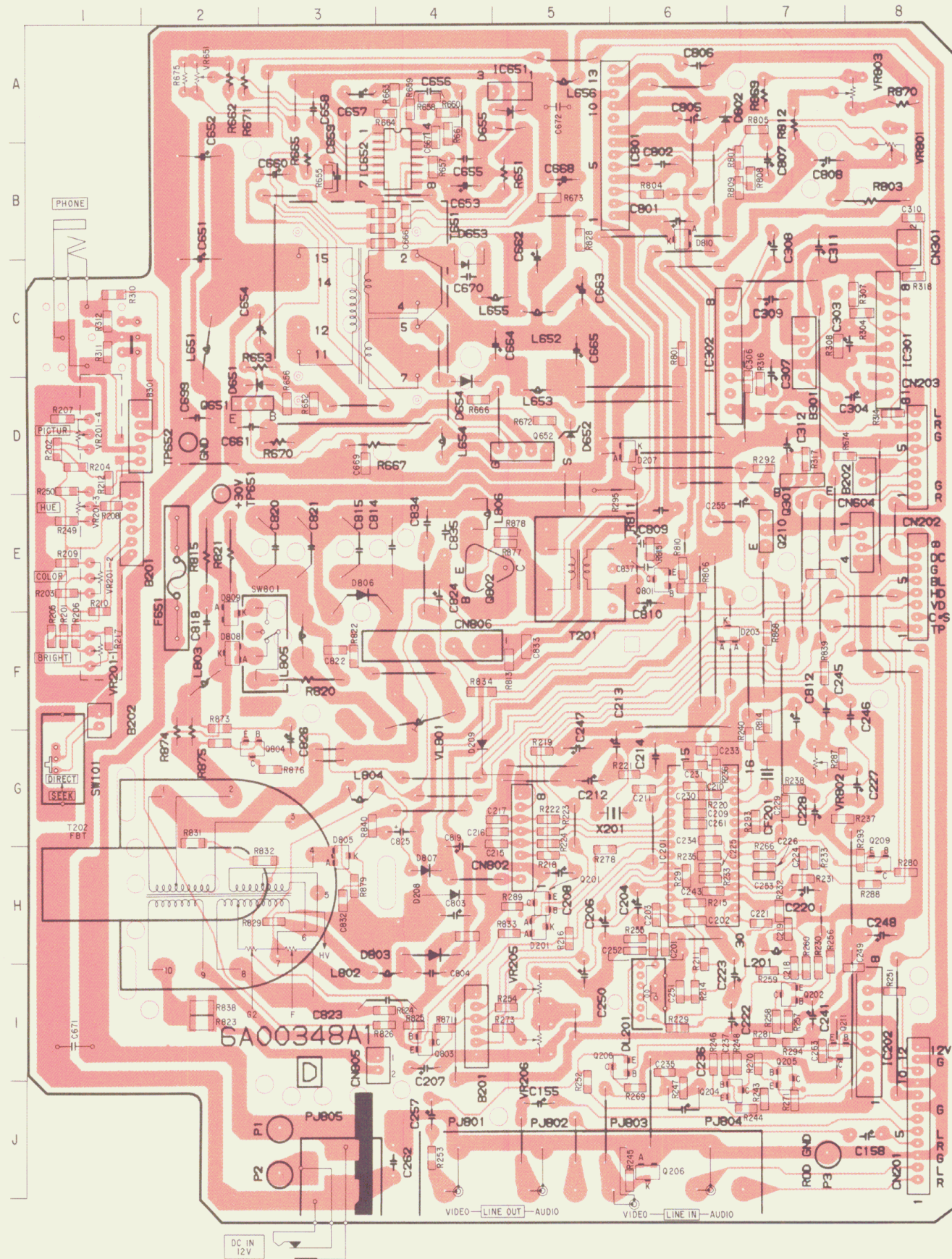
Note:

- All capacitors are in μF unless otherwise noted. pF : μF 50 WV or less are not indicated except for electrolytic and tantalums.
- All resistors are in ohms. $\text{k}\Omega = 1000\Omega$, $\text{M}\Omega = 1000\text{K}\Omega$.
- All resistors are in ohms, 1/10W unless otherwise noted. $\text{k}\Omega$: 1000 Ω , $\text{M}\Omega$: 1000K Ω .
- : nonflammable resistor.
- : internal component.
- : panel designation.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- : primary earth
- The components identified by  in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.
- When replacing components identified by  mark the necessary adjustments indicated. If results do not meet the specified value, change the component identified by  and repeat the adjustment until the specified value is achieved. (Refer to R840, R879, R862 and VR651 adjustment on page 21 - 22)
- When replacing the part in below table, be sure to perform the related adjustment.

Part replaced ()	Adjustment ()
R240, R814, R840, R879, D805, C812, C825	R840, R879 (HV HOLD DOWN)
R660, R661, R662, R665, VR651, IC652	R662, RV651 (+B MAX)

- Readings are taken with a color-bar signal input.
- no mark: VHF IN
- Readings are taken with a 10M Ω digital multimeter.
- Voltage are dc with respect to ground unless otherwise noted.
- Voltage variations may be noted due to normal production tolerances.
- All voltages are in V.
- Circled numbers are waveform references.
- : B+ bus.
- : signal path.
- : adjustment for repair or semiconductor function.

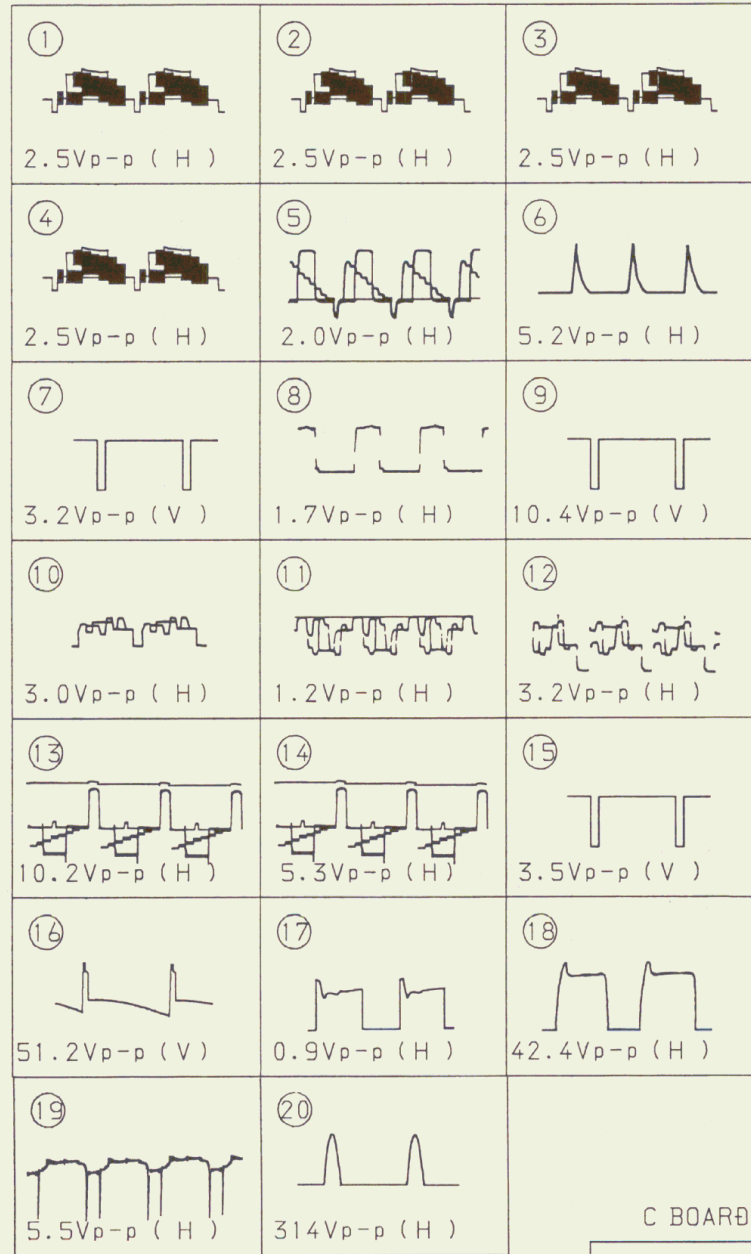
- D Board -



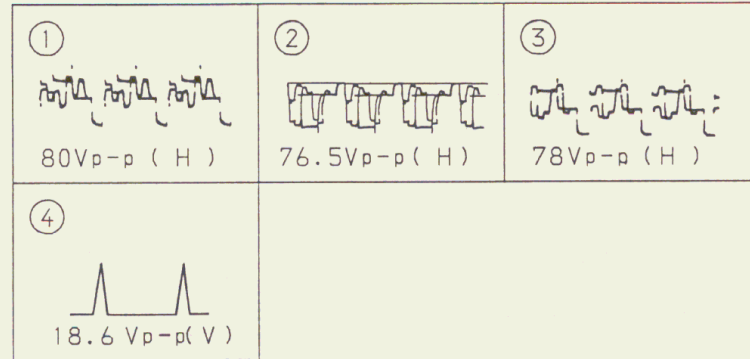
D BOARD

IC	VARIABLE RESISTOR
IC201 G-6 202 I-8 302 C-6 651 A-5 652 B-4 801 A-6	VR201 E-1 205 I-5 206 I-5 651 A-2 801 B-8 802 G-7 803 A-8
TRANSISTOR	VL
Q201 H-5 202 I-7 204 J-7 205 I-7 206 I-6 209 H-8 210 E-7 211 I-7 301 D-7 651 D-2 652 D-5 801 E-6 802 E-4 803 I-4 804 G-2	VL801 F-4
DIODE	TEST POINT
D201 H-5 203 F-7 206 J-6 207 D-6 651 D-2 652 D-5 653 C-4 654 D-4 655 A-5 802 A-6 803 H-4 805 H-3 806 E-3 807 H-4 808 F-2 809 F-2 810 B-6	TP651 D-2 652 D-2

D BOARD



C BOARD



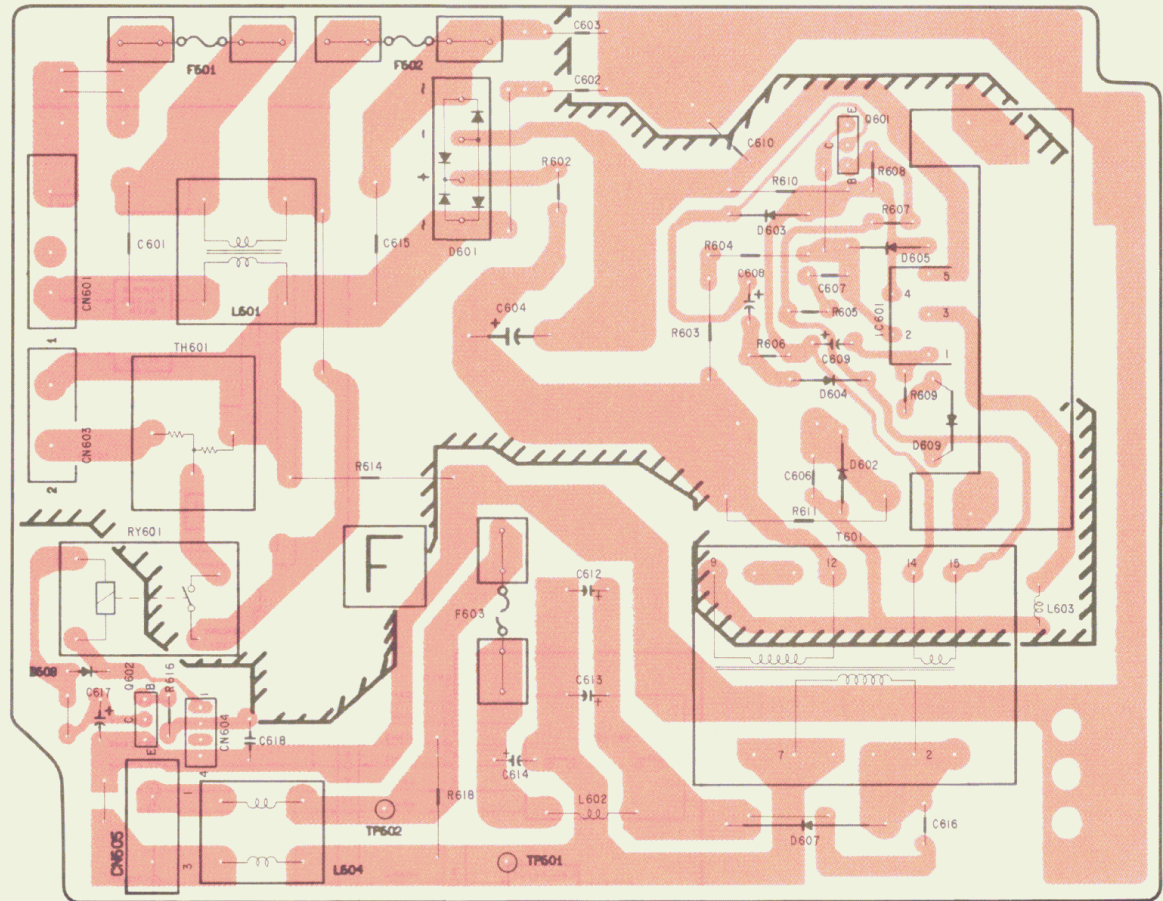
KV-8AD11/8AD14
RM-792/793

KV-8AD11/8AD14
RM-792/793

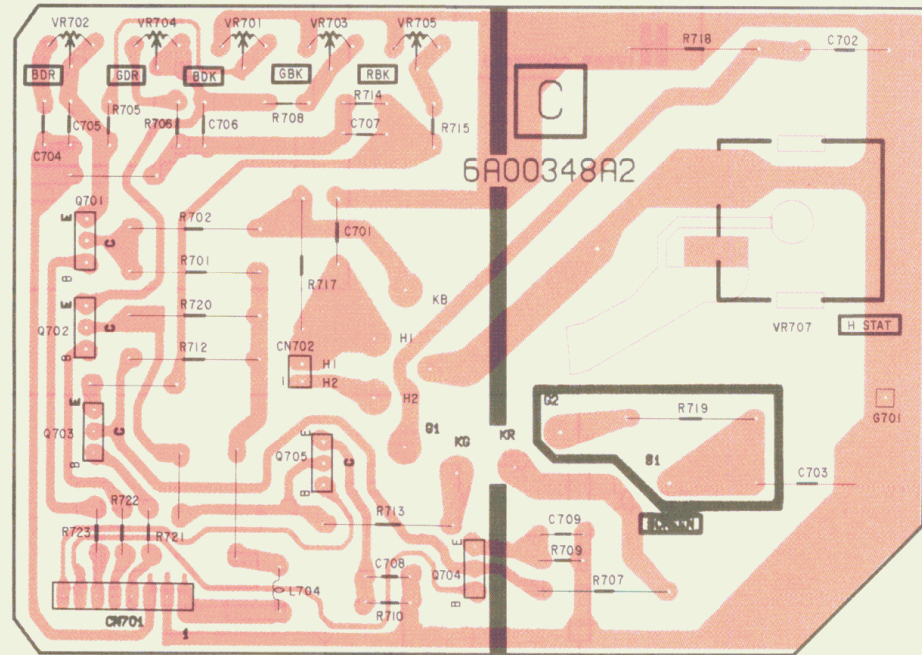
F [CHOP OUT, AC
RECT, DC RECT]

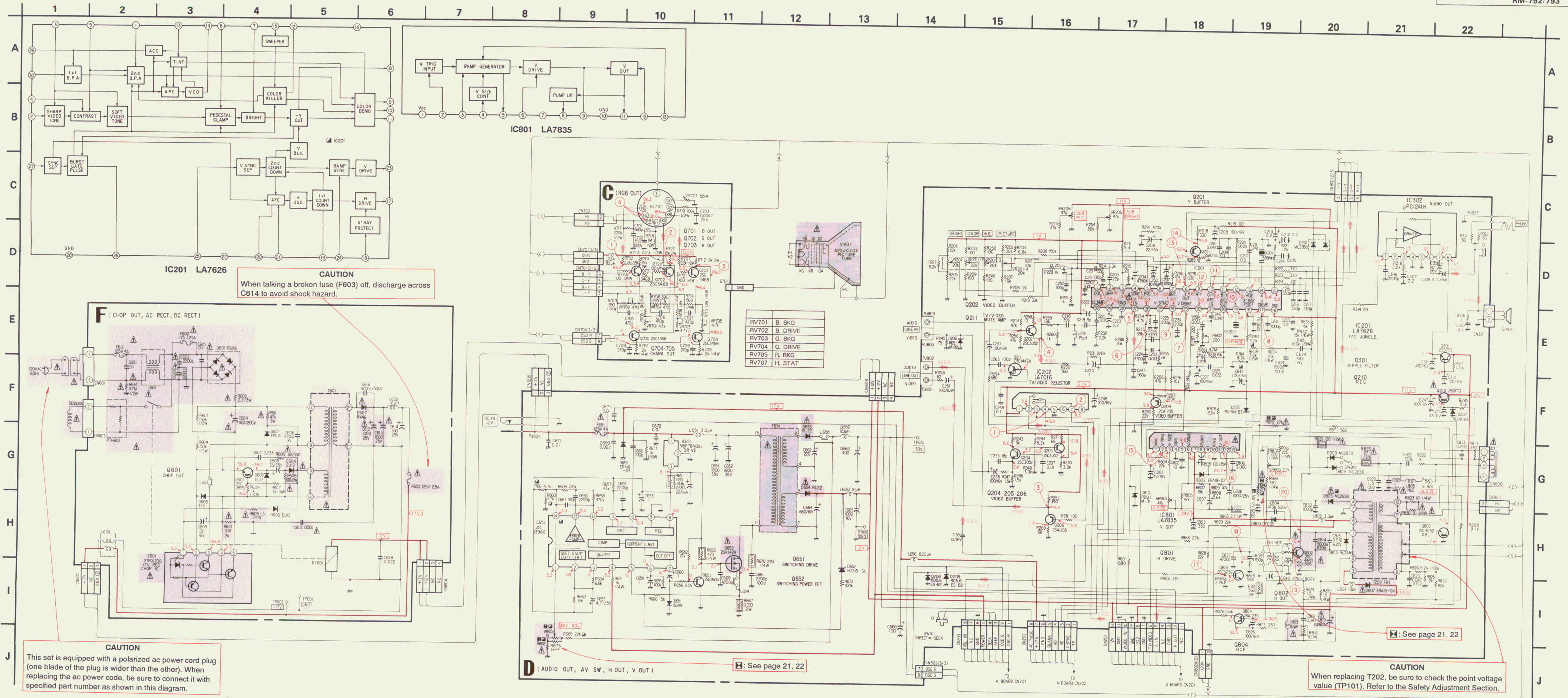
C [RGB-OUT]

- F Board -



- C Board -





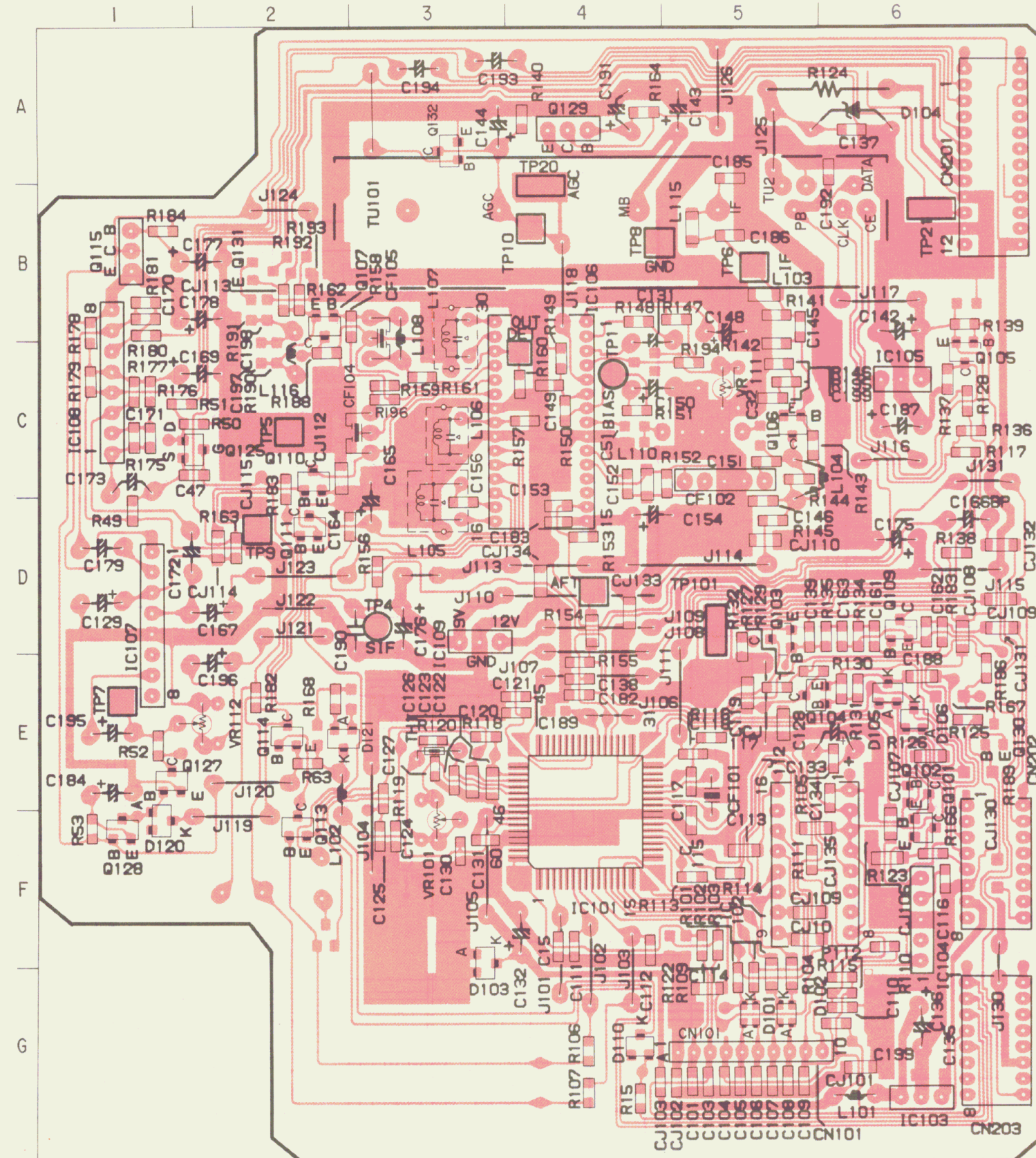
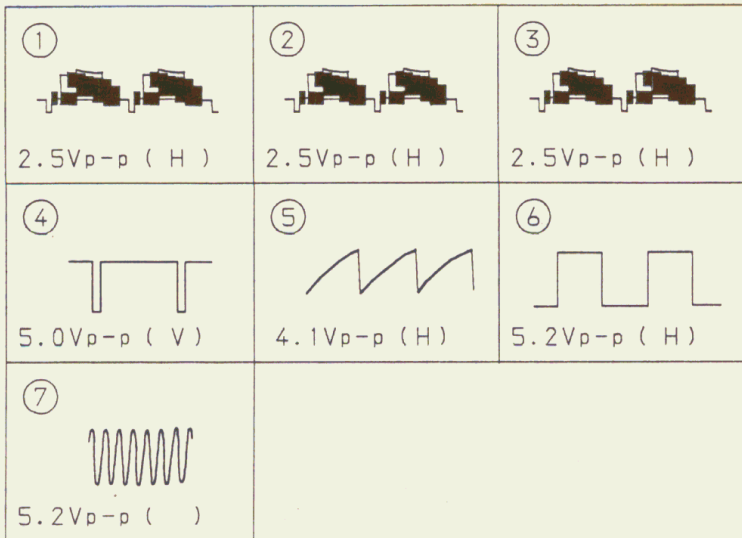
A

H

— A Board —

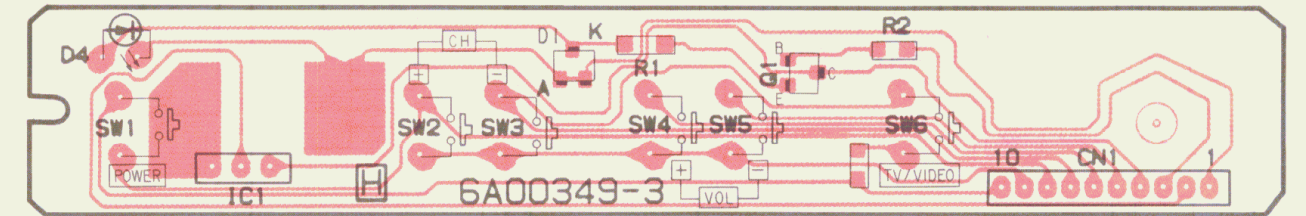
– H Board –

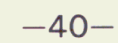
A BOARD



A BOARD

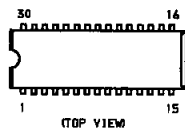
IC		VARIABLE	
1C101	F-4	RESISTOR	
102	F-5	VR101	F-3
103	G-6	111	C-5
104	F-6	112	E-2
105	C-6		
106	C-4		
107	D-1		
108	C-1		
109	D-3		
TRANSISTOR		TEST POINT	
Q101	F-6	TP1	C-4
102	E-6	4	D-3
103	D-5	5	C-2
104	E-5	6	B-5
105	C-6	7	E-1
106	C-5	8	B-4
107	B-2	9	D-2
109	D-6	10	B-4
110	C-2	20	A-4
111	D-2	21	B-6
113	F-2	101	D-4
114	E-2		
115	B-1		
125	C-1		
127	E-1		
128	F-1		
129	A-4		
130	E-7		
131	B-2		
132	A-3		
DIODE			
D101	G-5		
102	G-5		
103	F-3		
104	A-6		
105	E-6		
106	E-6		
110	G-4		
120	F-1		
121	E-4		





6-4. SEMICONDUCTORS

CXA1110BS
LA7626



M51953AL

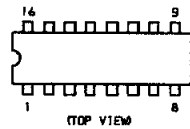


2SA1235
2SC2735J-L
2SC3052
2SC4440
2SJ106G
DTA114EK
DTC144EK
DTC144TK
RT1N441C

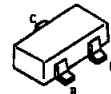
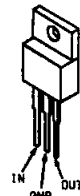
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CXK1005P

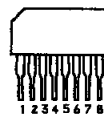


M5F78M09L



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EP01C
ERA18-02
ERA18-04
EU-1Z

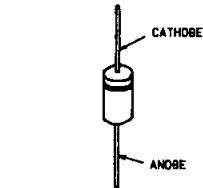
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M5218AL



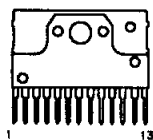
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2SC2603-EF
2SC2655
2SC3468



LA7835



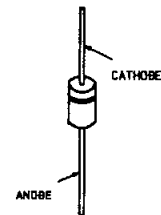
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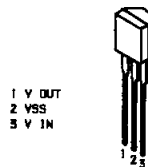
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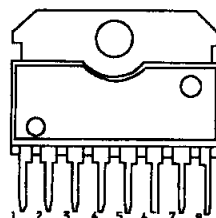
RK-46
RL-2Z
RU-2AM



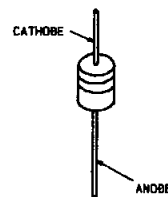
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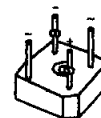
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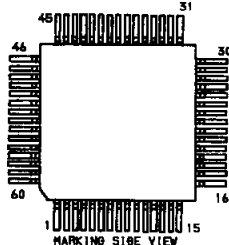
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HZS15-3L
MC2838



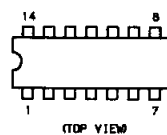
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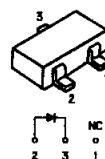
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
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R09.1M-B1
R011M-B3
R018M-B3




SECTION 7
EXPLODED VIEW

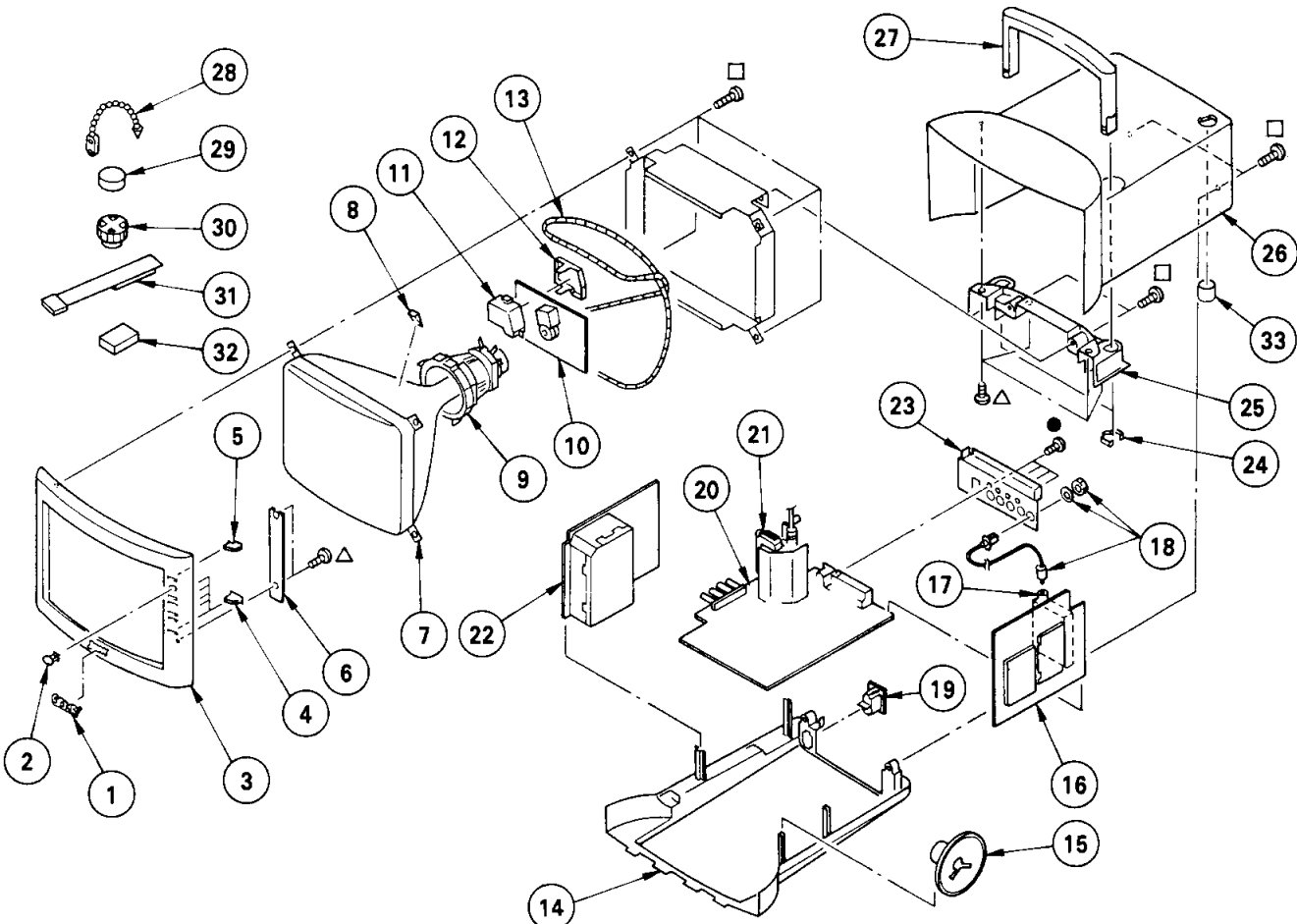
NOTE:

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked " ★ " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and mark  are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.


- : BVTP3 × 12 7-685-648-79
- △: BVTP3 × 10 7-685-647-79
- : BVTP4 × 12 7-685-661-14



REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
1	3-897-070-01	SONY BADGE NO. 5		18	9-901-596-01	COAXIAL CABLE	
2	9-901-575-01	LENS-B8		19	★9-901-595-01	AC-INLET CCT2102-0601R	
3	9-901-568-01	FRONT-PANEL8 (KV-8AD11 ONLY)		20	9-901-611-01	D BOARD, COMPLETE	
	9-901-601-01	FRONT-PANEL8 (KV-8AD14 ONLY)		21	★9-901-523-01	F. B. T MSH1FPS152	
4	9-901-574-01	KNOB-B8 (KV-8AD11 ONLY)		22	9-901-567-01	F BOARD, COMPLETE	
	9-901-574-01	KNOB-B8 (KV-8AD14 ONLY)		23	9-901-576-01	REAR-PANEL (KV-8AD11 ONLY)	
5	9-901-600-01	ASSY-KNOB-A			9-901-604-01	REAR-PANEL (KV-8AD14 ONLY)	
6	9-901-405-01	H BOARD, COMPLETE		24	9-901-573-01	HANDLE-STOPPER	
7	★9-901-598-01	PICTURE TUBE (A20JKU10X)			9-901-571-01	HANDLE-HOLDER (KV-8AD11 ONLY)	
8	4-309-369-00	SPACER, DY			9-901-606-01	HANDLE-HOLDER (KV-8AD14 ONLY)	
9	★1-451-265-11	DEFLECTION YOKE (Y09NDA)		26	9-901-569-01	COVER8 (KV-8AD11 ONLY)	
10	9-901-399-01	C BOARD			9-901-605-01	COVER8 (KV-8AD14 ONLY)	
11	*4-376-133-11	COVER (MAIN), CV VOL		27	9-901-572-01	HANDLE8 (KV-8AD11 ONLY)	
12	*4-376-132-11	COVER (REAR LID), CV VOL			9-901-605-01	HANDLE8 (KV-8AD14 ONLY)	
13	★9-901-599-01	DGC		28	4-308-870-00	CLIP, LEAD WIRE	
14	9-901-570-01	BOTTOM8 (KV-8AD11 ONLY)		29	1-452-032-00	MAGNET, DISK ; 10MM φ	
	9-901-603-01	BOTTOM8 (KV-8AD14 ONLY)		30	1-452-094-00	MAGNET, RATATABLE DISK ; 15MM φ	
15	9-901-597-01	SPEAKER 8Ω 2W		31	X-4308-815-0	PERMALLOY ASSY, CONVERGENCE	
16	9-901-390-01	A BOARD, COMPLETE		32	1-452-126-11	MAGNET	
17	★9-901-389-01	TUNER TERH7-0C9A		33	9-901-577-01	CAP-ANT	

A

NOTE:

The components identified by shading and mark  are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque **A** sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

When indicatng parts by reference number, please include the board name.


RESISTORS

- All resistors are in ohms.
- F: nonflammable

CAPACITORS

COILS

- MF: μF , PF: $\mu\mu F$
- MMH: mH, UH: μH

- The components identified by  in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.

REF. NO.	PART NO.	DESCRIPTION			REMARK	REF. NO.	PART NO.	DESCRIPTION			REMARK
	9-901-390-01	A BOARD, COMPLETE				C149	1-164-232-11	CERAMIC CHIP 0.01MF	10%	50V	
		*****				C150	1-124-464-11	ELECT 0.22MF	20%	50V	
						C151	1-163-009-11	CERAMIC CHIP 1000PF	10%	50V	
						C152	1-163-017-00	CERAMIC CHIP 4700PF	10%	50V	
						C153	1-163-017-00	CERAMIC CHIP 4700PF	10%	50V	
		<CAPACITOR>									
C15	1-163-135-00	CERAMIC CHIP 560PF	5%	50V		C154	1-126-901-11	ELECT 100MF	20%	16V	
C47	1-163-037-11	CERAMIC CHIP 0.022MF	10%	25V		C156	1-163-109-00	CERAMIC CHIP 47PF	5%	50V	
C101	1-163-135-00	CERAMIC CHIP 560PF	5%	50V		C161	1-163-381-11	CERAMIC CHIP 150PF	5%	50V	
C103	1-163-135-00	CERAMIC CHIP 560PF	5%	50V		C162	1-163-389-11	CERAMIC CHIP 330PF	5%	50V	
C104	1-163-135-00	CERAMIC CHIP 560PF	5%	50V		C163	9-901-364-01	CERAMIC CHIP 0.047MF		50V	
C105	1-163-135-00	CERAMIC CHIP 560PF	5%	50V		C164	1-163-377-11	CERAMIC CHIP 100PF	5%	50V	
C106	1-163-135-00	CERAMIC CHIP 560PF	5%	50V		C165	1-124-915-11	ELECT 10MF	20%	50V	
C107	1-163-135-00	CERAMIC CHIP 560PF	5%	50V		C166	1-124-925-11	ELECT 2.2MF	20%	50V	
C108	1-163-135-00	CERAMIC CHIP 560PF	5%	50V		C167	9-901-366-01	ELECT 10MF		16V	
C109	1-163-135-00	CERAMIC CHIP 560PF	5%	50V		C169	1-126-233-11	ELECT 22MF	20%	50V	
C110	1-163-135-00	CERAMIC CHIP 560PF	5%	50V		C170	1-163-117-00	CERAMIC CHIP 100PF	5%	50V	
C111	1-163-135-00	CERAMIC CHIP 560PF	5%	50V		C171	1-163-125-00	CERAMIC CHIP 220PF	5%	50V	
C112	1-163-135-00	CERAMIC CHIP 560PF	5%	50V		C172	9-901-366-01	ELECT 10MF		16V	
C113	1-163-199-00	CERAMIC CHIP 560PF	5%	50V		C173	9-901-366-01	ELECT 10MF		16V	
C114	1-163-199-00	CERAMIC CHIP 560PF	5%	50V		C175	9-901-365-01	ELECT 100MF		16V	
C115	1-163-135-00	CERAMIC CHIP 560PF	5%	50V		C176	1-124-902-00	ELECT 1MF	20%	50V	
C116	1-163-017-00	CERAMIC CHIP 4700PF	10%	50V		C177	9-901-365-01	ELECT 100MF		16V	
C117	1-163-135-00	CERAMIC CHIP 560PF	5%	50V		C178	9-901-365-01	ELECT 100MF		16V	
C118	1-163-185-00	CERAMIC CHIP 150PF	5%	50V		C179	9-901-366-01	ELECT 10MF		16V	
C119	1-163-199-00	CERAMIC CHIP 560PF	5%	50V		C181	1-124-927-11	ELECT 4.7MF	20%	50V	
C120	1-163-121-00	CERAMIC CHIP 150PF	5%	50V		C182	1-163-109-00	CERAMIC CHIP 47PF	5%	50V	
C121	1-163-121-00	CERAMIC CHIP 150PF	5%	50V		C183	1-163-018-00	CERAMIC CHIP 5600PF	10%	50V	
C122	1-163-199-00	CERAMIC CHIP 560PF	5%	50V		C184	1-126-901-11	ELECT 100MF	20%	16V	
C123	1-163-199-00	CERAMIC CHIP 560PF	5%	50V		C185	1-163-241-11	CERAMIC CHIP 39PF	5%	50V	
C124	1-163-109-00	CERAMIC CHIP 47PF	5%	50V		C186	1-163-241-11	CERAMIC CHIP 39PF	5%	50V	
C125	1-163-109-00	CERAMIC CHIP 47PF	5%	50V		C187	1-126-901-11	ELECT 100MF	20%	16V	
C126	1-163-093-00	CERAMIC CHIP 10PF	5%	50V		C188	1-163-055-00	CERAMIC CHIP 4700PF	10%	50V	
C127	1-163-109-00	CERAMIC CHIP 47PF	5%	50V		C189	1-163-009-11	CERAMIC CHIP 1000PF	10%	50V	
C128	1-163-181-00	CERAMIC CHIP 100PF	5%	50V		C190	1-136-160-00	FILM 0.039MF	5%	50V	
C129	1-124-915-11	ELECT 10MF	20%	50V		C191	9-901-365-01	ELECT 100MF		16V	
C130	1-163-135-00	CERAMIC CHIP 560PF	5%	50V		C192	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V	
C131	1-163-037-11	CERAMIC CHIP 0.022MF	10%	25V		C193	9-901-366-01	ELECT 10MF		16V	
C132	1-126-923-11	ELECT 220MF	20%	10V		C194	9-901-366-01	ELECT 10MF		16V	
C133	1-124-902-00	ELECT 0.47MF	20%	50V		C195	9-901-366-01	ELECT 10MF		16V	
C134	1-163-135-00	CERAMIC CHIP 560PF	5%	50V		C196	9-901-366-01	ELECT 10MF		16V	
C136	1-126-923-11	ELECT 220MF	20%	10V		C199	1-163-129-00	CERAMIC CHIP 330PF	5%	50V	
C137	1-164-232-11	CERAMIC CHIP 0.01MF	10%	50V							
C138	1-164-182-11	CERAMIC CHIP 3300PF	10%	50V							
C139	1-163-389-11	CERAMIC CHIP 330PF	5%	50V							
C142	1-126-901-11	ELECT 100MF	20%	16V							
C143	1-126-901-11	ELECT 100MF	20%	16V							
C144	1-124-915-11	ELECT 10MF	20%	50V							
C145	1-164-161-11	CERAMIC CHIP 2200PF	10%	50V							
C146	1-163-117-00	CERAMIC CHIP 100PF	5%	50V							
C148	1-124-927-11	ELECT 4.7MF	20%	50V							

A

REF. NO.	PART NO.	DESCRIPTION	REMARK
<JUMPER>			
CJ101	9-901-320-01	CHIP-JUMPER CJ 1/8-Z 0-J	
CJ102	9-901-321-01	CHIP-JUMPER CJ 1/10-Z 0-J	
CJ103	9-901-321-01	CHIP-JUMPER CJ 1/10-Z 0-J	
CJ104	9-901-320-01	CHIP-JUMPER CJ 1/8-Z 0-J	
CJ105	9-901-320-01	CHIP-JUMPER CJ 1/8-Z 0-J	
CJ106	9-901-321-01	CHIP-JUMPER CJ 1/10-Z 0-J	
CJ107	9-901-320-01	CHIP-JUMPER CJ 1/8-Z 0-J	
CJ108	9-901-321-01	CHIP-JUMPER CJ 1/10-Z 0-J	
CJ109	9-901-320-01	CHIP-JUMPER CJ 1/8-Z 0-J	
CJ110	9-901-320-01	CHIP-JUMPER CJ 1/8-Z 0-J	
CJ111	9-901-320-01	CHIP-JUMPER CJ 1/8-Z 0-J	
CJ112	9-901-320-01	CHIP-JUMPER CJ 1/8-Z 0-J	
CJ113	9-901-321-01	CHIP-JUMPER CJ 1/10-Z 0-J	
CJ114	9-901-320-01	CHIP-JUMPER CJ 1/8-Z 0-J	
CJ115	9-901-320-01	CHIP-JUMPER CJ 1/8-Z 0-J	
CJ116	9-901-321-01	CHIP-JUMPER CJ 1/10-Z 0-J	
CJ117	9-901-321-01	CHIP-JUMPER CJ 1/10-Z 0-J	
CJ130	9-901-320-01	CHIP-JUMPER CJ 1/8-Z 0-J	
CJ131	9-901-320-01	CHIP-JUMPER CJ 1/8-Z 0-J	
CJ133	9-901-320-01	CHIP-JUMPER CJ 1/8-Z 0-J	
CJ134	9-901-320-01	CHIP-JUMPER CJ 1/8-Z 0-J	
CJ156	9-901-321-01	CHIP-JUMPER CJ 1/10-Z 0-J	
<CONNECTOR>			
CN101	*1-564-712-11	PIN, CONNECTOR (SMALL TYPE) 10P	
CN201	*9-901-370-01	CONNECTOR 1L-SDD-12S-S2L2	
CN202	*9-901-369-01	CONNECTOR 1L-SDD-8S-S2L2	
CN203	*9-901-369-01	CONNECTOR 1L-SDD-8S-S2L2	
<DIODE>			
D101	8-719-820-13	DIODE 1SS272	
D102	8-719-820-13	DIODE 1SS272	
D103	8-719-105-91	DIODE RD5. 6M-B2	
D104	9-901-371-01	DIODE HZT33-02-TE	
D105	8-719-105-82	DIODE RD5. 1M-B2	
D106	8-719-105-82	DIODE RD5. 1M-B2	
D110	8-719-000-08	DIODE MC2838	
D120	8-719-000-08	DIODE MC2838	
D121	9-901-372-01	CHIP-DIODE DAN217-T147	
<IC>			
IC101	9-901-373-01	IC M50439-919FP	
IC102	9-901-374-01	IC CXK1005P	
IC103	9-901-375-01	IC LM29362-5.0	
IC104	9-901-376-01	IC M51953AL	
IC105	8-759-982-21	IC RC78L05A	
IC106	8-752-035-39	IC CXA1110BS	
IC107	8-759-800-81	IC LA7016	
IC108	8-759-634-50	IC MC5218AL	
IC109	8-759-604-37	IC M5F78M09L	
<COIL>			
L101	9-901-379-01	PEAKING-COIL EL0405RA-100UH TP	
L102	9-901-379-01	PEAKING-COIL EL0405RA-100UH TP	
L103	1-410-738-11	CHIP INDUCTOR	
L104	9-901-377-01	PEAKING-COIL EL0405RA-1UH TP	
L105	9-901-380-01	AFT-COIL 7KL 291XCS-1064NK	
L106	9-901-381-01	SIF-COIL	
L107	9-901-382-01	VCO-COIL	

REF. NO.	PART NO.	DESCRIPTION	REMARK
L108	9-901-378-01	PEAKING-COIL EL0405RA-10UH TP	
L110	9-901-384-01	C-COIL ML322522T 1.8UH	
L115	9-901-383-01	C-COIL ML322522T 0.15UH	
<TRANSISTOR>			
Q101	8-729-901-04	TRANSISTOR DTA114EK	
Q102	8-729-901-01	TRANSISTOR DTC144EK	
Q103	9-901-385-01	CHIP-TRANSISTOR RT1N441C-T12-A-1	
Q104	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q105	8-729-600-21	TRANSISTOR 2SA1235-E	
Q106	9-901-386-01	CHIP-TRANSISTOR 2SC2735J-L	
Q107	8-729-600-21	TRANSISTOR 2SA1235-E	
Q109	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q110	8-729-901-01	TRANSISTOR DTC144EK	
Q111	8-729-901-01	TRANSISTOR DTC144EK	
Q113	8-729-901-01	TRANSISTOR DTC144EK	
Q114	8-729-901-04	TRANSISTOR DTC114EK	
Q115	8-729-140-98	TRANSISTOR 2SD773-34	
Q125	9-901-387-01	FET 2SJ106G-TE85L	
Q127	8-729-903-30	TRANSISTOR DTC144TK	
Q128	8-729-901-04	TRANSISTOR DTA114EK	
Q129	8-729-140-98	TRANSISTOR 2SD773-34	
Q130	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q131	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q132	8-729-901-01	TRANSISTOR DTC144EK	
<RESISTOR>			
R15	9-901-337-01	CHIP-RES CR 1.0K	1/10W
R49	9-901-340-01	CHIP-RES CR 3.3K	1/10W
R50	9-901-345-01	CHIP-RES CR 10K	1/10W
R51	9-901-334-01	CHIP-RES CR 560	1/10W
R52	9-901-332-01	CHIP-RES CR 220	1/10W
R53	9-901-337-01	CHIP-RES CR 1.0K	1/10W
R63	9-901-346-01	CHIP-RES CR 12K	1/10W
R101	9-901-337-01	CHIP-RES CR 1.0K	1/10W
R102	9-901-337-01	CHIP-RES CR 1.0K	1/10W
R103	9-901-322-01	CHIP-RES CR 1.0K	1/8W
R104	9-901-322-01	CHIP-RES CR 1.0K	1/8W
R105	9-901-353-01	CHIP-RES CR 150K	1/10W
R106	9-901-339-01	CHIP-RES CR 2.2K	1/10W
R107	9-901-339-01	CHIP-RES CR 2.2K	1/10W
R109	9-901-339-01	CHIP-RES CR 2.2K	1/10W
R110	9-901-339-01	CHIP-RES CR 2.2K	1/10W
R111	9-901-339-01	CHIP-RES CR 2.2K	1/10W
R112	9-901-350-01	CHIP-RES CR 47K	1/10W
R113	9-901-350-01	CHIP-RES CR 47K	1/10W
R114	9-901-350-01	CHIP-RES CR 47K	1/10W
R115	9-901-350-01	CHIP-RES CR 47K	1/10W
R116	9-901-339-01	CHIP-RES CR 2.2K	1/10W
R117	9-901-334-01	CHIP-RES CR 560	1/10W
R118	9-901-332-01	CHIP-RES CR 220	1/10W
R119	9-901-332-01	CHIP-RES CR 220	1/10W
R120	9-901-337-01	CHIP-RES CR 1.0K	1/10W
R122	9-901-339-01	CHIP-RES CR 2.2K	1/10W
R123	9-901-325-01	CHIP-RES CR 22K	1/8W
R124	1-216-464-11	METAL OXIDE 18K 5%	2W F
R125	9-901-337-01	CHIP-RES CR 1.0K	1/10W
R126	9-901-322-01	CHIP-RES CR 1.0K	1/8W
R127	9-901-345-01	CHIP-RES CR 10K	1/10W
R128	9-901-334-01	CHIP-RES CR 560	1/10W
R129	9-901-345-01	CHIP-RES CR 10K	1/10W
R130	9-901-345-01	CHIP-RES CR 10K	1/10W

The components identified by shading and mark **A** are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque **A** sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

KV-8AD11/8AD14
RM-792/793

A

C

REF. NO.	PART NO.	DESCRIPTION	REMARK
R131	9-901-344-01	CHIP-RES CR 9. 1K	1/10W
R132	9-901-330-01	CHIP-RES CR 150	1/10W
R133	9-901-343-01	CHIP-RES CR 8. 2K	1/10W
R134	9-901-348-01	CHIP-RES CR 22K	1/10W
R135	9-901-342-01	CHIP-RES CR 4. 7K	1/10W
R136	9-901-342-01	CHIP-RES CR 4. 7K	1/10W
R137	9-901-337-01	CHIP-RES CR 1. 0K	1/10W
R138	9-901-337-01	CHIP-RES CR 1. 0K	1/10W
R139	9-901-333-01	CHIP-RES CR 470	1/10W
R140	9-901-348-01	CHIP-RES CR 22K	1/10W
R141	9-901-329-01	CHIP-RES CR 100	1/10W
R142	9-901-336-01	CHIP-RES CR 820	1/10W
R143	9-901-342-01	CHIP-RES CR 4. 7K	1/10W
R144	9-901-335-01	CHIP-RES CR 680	1/10W
R145	9-901-330-01	CHIP-RES CR 150	1/10W
R146	9-901-326-01	CHIP-RES CR 27	1/10W
R147	9-901-335-01	CHIP-RES CR 680	1/10W
R148	9-901-327-01	CHIP-RES CR 39	1/10W
R149	9-901-352-01	CHIP-RES CR 100K	1/10W
R150	9-901-352-01	CHIP-RES CR 100K	1/10W
R151	9-901-332-01	CHIP-RES CR 220	1/10W
R152	9-901-337-01	CHIP-RES CR 1. 0K	1/10W
R153	9-901-350-01	CHIP-RES CR 22K	1/10W
R154	9-901-324-01	CHIP-RES CR 47K	1/8W
R155	9-901-349-01	CHIP-RES CR 27K	1/10W
R156	9-901-339-01	CHIP-RES CR 2. 2K	1/10W
R157	9-901-341-01	CHIP-RES CR 3. 9K	1/10W
R158	9-901-348-01	CHIP-RES CR 22K	1/10W
R159	9-901-337-01	CHIP-RES CR 1. 0K	1/10W
R160	9-901-335-01	CHIP-RES CR 680	1/10W
R161	9-901-331-01	CHIP-RES CR 180	1/10W
R162	9-901-338-01	CHIP-RES CR 1. 5K	1/10W
R163	9-901-345-01	CHIP-RES CR 10K	1/10W
R164	9-901-339-01	CHIP-RES CR 2. 2K	1/10W
R166	9-901-337-01	CHIP-RES CR 1. 0K	1/10W
R168	9-901-345-01	CHIP-RES CR 10K	1/10W
R175	9-900-860-01	CHIP-RES 27K	1/10W
R176	9-900-858-01	CHIP-RES 12K	1/10W
R177	9-901-351-01	CHIP-RES CR 56K	1/10W
R178	9-901-355-01	CHIP-RES 9. 1K	1/10W
R179	9-900-857-01	CHIP-RES 10K	1/10W
R180	9-900-861-01	CHIP-RES 51K	1/10W
R181	9-900-859-01	CHIP-RES 16. 9K	1/10W
R182	9-901-350-01	CHIP-RES CR 47K	1/10W
R183	9-901-354-01	CHIP-RES CR 820K	1/10W
R184	9-901-339-01	CHIP-RES CR 2. 2K	1/10W
R186	9-901-334-01	CHIP-RES CR 560	1/10W
R188	9-901-328-01	CHIP-RES CR 68	1/10W
R189	9-901-323-01	CHIP-RES CR 10K	1/8W
R194	9-901-334-01	CHIP-RES CR 560	1/10W
R195	9-901-326-01	CHIP-RES CR 27	1/10W
R196	9-901-347-01	CHIP-RES CR 15K	1/10W

<THERMISTOR>

TH1 **A**9-901-388-01 THERMISTOR ERT-D2FGL-102S

<TUNER>

TU101**A**9-901-389-01 TUNER TERH7-OC9A

REF. NO.	PART NO.	DESCRIPTION	REMARK
<VARIABLE RESISTOR>			
VR101	9-901-361-01	SEMIFIXED-RES RH0638CN3R 3. 3K	
VR111	9-901-363-01	SEMIFIXED-RES RH064JCS3R 4. 7K	
VR112	9-901-362-01	SEMIFIXED-RES RH0638CS3R 4. 7K	

	9-901-399-01	C BOARD	*****
*4-376-132-11		COVER (REAR LID), CV VOL	
*4-376-133-11		COVER (MAIN), CV VOL	
<CAPACITOR>			
C701	9-901-393-01	CERAMIC 680PF	2KV
C702	1-102-050-00	CERAMIC 10000MF	500V
C703	1-162-114-00	CERAMIC 0. 0047MF	10% 2KV
C705	9-901-391-01	CERAMIC 470PF	50V
C706	9-901-391-01	CERAMIC 470PF	50V
C707	9-901-391-01	CERAMIC 470PF	50V
C708	9-901-392-01	CERAMIC 270PF	50V
C709	9-901-392-01	CERAMIC 270PF	50V
<CONNECTOR>			
CN701	*1-564-710-11	PIN, CONNECTOR (SMALL TYPE) 8P	
CN702	*1-564-704-11	PIN, CONNECTOR (SMALL TYPE) 2P	
G701	9-901-394-01	PLUG 003P-2100	
<COIL>			
L704	1-408-420-00	INDUCTOR (EL TYPE)	
<SOCKET>			
PL701	9-901-395-01	PICTURE TUBE SOCKET CTV3309-0102R	
<TRANSISTOR>			
Q701	8-729-803-81	TRANSISTOR 2SC3468-D	
Q702	8-729-803-81	TRANSISTOR 2SC3468-D	
Q703	8-729-803-81	TRANSISTOR 2SC3468-D	
Q704	8-729-803-81	TRANSISTOR 2SC3468-D	
Q705	8-729-803-81	TRANSISTOR 2SC3468-D	
<RESISTOR>			
R473	1-249-405-11	CARBON 100 5%	1/4W
R701	1-215-899-11	METAL OXIDE 15K 5%	2W F
R702	1-202-822-00	SOLID 2. 2K 5%	1/2W
R704	1-249-412-11	CARBON 390 5%	1/4W
R705	1-249-420-11	CARBON 1. 8K 5%	1/4W
R706	1-249-412-11	CARBON 390 5%	1/4W
R707	1-202-822-00	SOLID 2. 2K 5%	1/2W
R708	1-249-420-11	CARBON 1. 8K 5%	1/4W
R709	1-249-418-11	CARBON 1. 2K 5%	1/4W
R710	1-249-418-11	CARBON 1. 2K 5%	1/4W
R712	1-215-899-11	METAL OXIDE 15K 5%	2W F
R713	1-202-822-00	SOLID 2. 2K 5%	1/2W
R714	1-249-414-11	CARBON 560 5%	1/4W
R715	1-249-420-11	CARBON 1. 8K 5%	1/4W
R717	1-202-842-11	SOLID 220K 5%	1/2W
R718	1-202-719-00	SOLID 1M 5%	1/2W



Les composants identifiés par une trame et une marque **A** sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

The components identified by shading and mark **A** are critical for safety. Replace only with part number specified.

REF. NO.	PART NO.	DESCRIPTION	REMARK		
R719	1-202-838-00	SOLID	100K	5%	1/2W
R720	1-215-899-11	METAL OXIDE	15K	5%	2W
R721	1-249-405-11	CARBON	100	5%	1/4W
R722	1-249-405-11	CARBON	100	5%	1/4W
<VARIABLE RESISTOR>					
VR701	9-901-397-01	SEX1FIXED-RES	4.7K		
VR702	9-901-396-01	SEX1FIXED-RES	470		
VR703	9-901-397-01	SEX1FIXED-RES	4.7K		
VR704	9-901-396-01	SEX1FIXED-RES	470		
VR705	9-901-397-01	SEX1FIXED-RES	4.7K		
VR707	9-901-398-01	SEX1FIXED-RES	55M		

9-901-611-01	D BOARD, COMPLETE	*****			
9-901-503-01	FUSE CAP				
9-901-532-01	TAPTITE-P-BR B 3X8				
9-901-533-01	HEAT SINK SHEET TC-30CG	(19X24X0.3mm)			
9-901-534-01	SPRING BAND-2				
<CAPACITOR>					
C201	1-163-101-00	CERAMIC CHIP	22PF	5%	50V
C202	1-164-232-11	CERAMIC CHIP	0.01MF		50V
C203	1-163-101-00	CERAMIC CHIP	22PF	5%	50V
C204	9-901-473-01	ELECT	47MF		16V
C206	9-901-472-01	ELECT	22MF		16V
C207	9-901-471-01	ELECT	10MF		16V
C208	9-901-474-01	ELECT	100MF		16V
C209	9-901-466-01	CERAMIC CHIP	0.1MF		50V
C210	1-164-232-11	CERAMIC CHIP	0.01MF		50V
C211	1-163-102-00	CERAMIC CHIP	24PF	5%	50V
C212	1-124-925-11	ELECT	2.2MF	20%	50V
C213	1-124-925-11	ELECT	2.2MF	20%	50V
C214	1-137-371-91	FILM	0.015MF	5%	50V
C215	1-163-003-11	CERAMIC CHIP	330PF	10%	50V
C216	1-163-003-11	CERAMIC CHIP	330PF	10%	50V
C217	1-163-003-11	CERAMIC CHIP	330PF	10%	50V
C218	1-163-107-00	CERAMIC CHIP	39PF	5%	50V
C219	1-163-092-21	CERAMIC CHIP	9PF	0.50PF	50V
C220	9-901-475-01	ELECT	1MF		50V
C221	1-164-232-11	CERAMIC CHIP	0.01MF		50V
C222	9-901-475-01	ELECT	1MF		50V
C223	1-124-925-11	ELECT	2.2MF	20%	50V
C224	1-163-017-00	CERAMIC CHIP	4700PF	10%	50V
C225	1-163-010-11	CERAMIC CHIP	1200PF	10%	50V
C226	9-901-464-01	CERAMIC CHIP	0.033MF		50V
C227	9-901-474-01	ELECT	100MF		16V
C228	9-901-475-01	ELECT	1MF		50V
C229	9-901-464-01	CERAMIC CHIP	0.03MF		50V
C230	9-901-467-01	CERAMIC CHIP	0.1MF		50V
C231	1-163-009-11	CERAMIC CHIP	1000PF	10%	50V
C232	9-901-464-01	CERAMIC CHIP	0.033MF		50V
C233	1-164-232-11	CERAMIC CHIP	0.01MF		50V
C234	1-163-010-11	CERAMIC CHIP	1200PF	10%	50V
C235	1-163-099-00	CERAMIC CHIP	18PF	5%	50V
C236	9-901-474-01	ELECT	100MF		16V
C237	1-164-232-11	CERAMIC CHIP	0.01MF		50V
C241	9-901-474-01	ELECT	100MF		16V
C243	1-163-006-11	CERAMIC CHIP	560PF	10%	50V
C245	1-136-159-00	FILM	0.033MF	5%	50V
C246	1-136-161-00	FILM	0.047MF	5%	50V

REF. NO.	PART NO.	DESCRIPTION	REMARK
C247	9-901-474-01	ELECT 100MF	16V
C248	9-901-474-01	ELECT 100MF	16V
C249	9-901-466-01	CERAMIC CHIP 0.1MF	50V
C250	9-901-471-01	ELECT 10MF	16V
C251	1-163-117-00	CERAMIC CHIP 100PF	5% 50V
C252	1-163-117-00	CERAMIC CHIP 100PF	5% 50V
C253	9-901-464-01	CERAMIC CHIP 0.033MF	50V
C255	9-901-477-01	ELECT 47MF	16V
C257	1-126-933-11	ELECT 100MF	20% 16V
C261	9-901-465-01	CERAMIC CHIP 0.047MF	50V
C262	9-901-470-01	CERAMIC 0.022MF	50V
C263	1-163-109-00	CERAMIC CHIP 47PF	5% 50V
C306	1-164-161-11	CERAMIC CHIP 2200PF	10% 50V
C307	9-901-483-01	ELECT 2.2MF	50V
C308	9-901-477-01	ELECT 47MF	16V
C309	9-901-480-01	ELECT 470MF	16V
C310	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C311	9-901-480-01	ELECT 470MF	16V
C312	9-901-479-01	ELECT 100MF	16V
C568	9-901-469-01	CERAMIC 2200PF	50V
C651	9-901-485-01	ELECT 1800MF	35V
C652	9-901-485-01	ELECT 1800MF	35V
C653	1-124-791-11	ELECT 1MF	20% 50V
C654	9-901-476-01	ELECT 22MF	16V
C655	1-137-366-91	FILM 0.0022MF	5% 50V
C656	9-901-469-01	CERAMIC 2200PF	50V
C657	9-901-476-01	ELECT 22MF	16V
C659	1-124-791-11	ELECT 1MF	20% 50V
C660	1-124-791-11	ELECT 1MF	20% 50V
C661	1-136-230-00	FILM 0.0022MF	5% 100V
C662	9-901-486-01	ELECT 220MF	50V
C663	9-901-478-01	ELECT 100MF	50V
C664	9-901-487-01	ELECT 680MF	16V
C665	1-128-183-11	ELECT 470MF	20% 6.3V
C666	1-163-181-00	CERAMIC CHIP 100PF	5% 50V
C667	1-163-133-00	CERAMIC CHIP 470PF	5% 50V
C668	9-901-478-01	ELECT 100MF	50V
C669	1-163-017-00	CERAMIC CHIP 4700PF	10% 50V
C670	9-900-962-01	CERAMIC 470PF	500V
C801	9-901-477-01	ELECT 47MF	16V
C802	1-136-177-00	FILM 1MF	5% 50V
C803	1-126-970-11	ELECT 330MF	20% 50V
C804	9-900-962-01	CERAMIC 470PF	500V
C805	9-901-481-01	ELECT 100MF	35V
C806	1-136-163-00	FILM 0.068MF	5% 50V
C807	9-901-475-01	ELECT 1MF	50V
C808	1-126-942-11	ELECT 1000MF	20% 25V
C809	1-137-368-91	FILM 0.0047MF	5% 50V
C810	9-901-482-01	ELECT 1MF	50V
C812	9-901-474-01	ELECT 100MF	16V
C813	1-126-970-11	ELECT 330MF	20% 50V
C814	A 1-130-062-00	FILM 0.0056MF	10% 630V
C815	A 1-129-715-00	FILM 0.012MF	10% 630V
C818	1-136-161-00	FILM 0.047MF	5% 50V
C819	A 9-901-484-01	ELECT 10MF	160V
C820	9-900-959-01	FILM 1.2MF	100V
C821	A 1-136-351-51	HI-VOLTAGE FILM 1500PF	10% 30KV
C822	1-163-003-11	CERAMIC CHIP 330PF	10% 50V
C823	1-130-857-00	FILM 0.047MF	5% 100V
C824	9-900-966-01	CERAMIC 470PF	1KV
C825	1-124-910-11	ELECT 47MF	20% 35V
C826	9-901-474-01	ELECT 100MF	16V
C832	1-163-009-11	CERAMIC CHIP 1000PF	10% 50V
C833	9-901-464-01	CERAMIC CHIP 0.033MF	50V

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Les composants identifiés par une trame et une marque **A** sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifié.


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RM-792/793


D

REF. NO.	PART NO.	DESCRIPTION	REMARK
C834	9-900-961-01	CERAMIC	1500PF
C837	1-137-368-91	FILM	0.0047MF 5% 50V
<FILTER>			
CF201	9-900-933-01	CERA-LOCK	CSB503F5
<CONNECTOR>			
B801	*1-564-704-11	PIN, CONNECTOR (SMALL TYPE)	2P
B802	*1-564-704-11	PIN, CONNECTOR (SMALL TYPE)	2P
CN201	*9-901-493-01	CONNECTOR IL-SDD-12P-S2T2	
CN202	*9-901-492-01	CONNECTOR IL-SDD-8P-S2T2	
CN203	*9-901-492-01	CONNECTOR IL-SDD-8P-S2T2	
CN301	*1-564-704-11	PIN, CONNECTOR (SMALL TYPE)	2P
CN601	*1-564-508-11	PLUG, CONNECTOR	5P
CN802	*1-564-710-11	PIN, CONNECTOR (SMALL TYPE)	8P
CN805	*1-564-704-11	PIN, CONNECTOR (SMALL TYPE)	2P
CN806	*9-901-494-01	CONNECTOR RTB-1.5-4P	
P652	*1-564-706-11	PIN, CONNECTOR (SMALL TYPE)	4P
<DIODE>			
D201	8-719-000-08	DIODE MC2838	
D203	8-719-107-16	DIODE RD18M-B3	
D206	8-719-105-82	DIODE RD5.1M-B2	
D207	8-719-106-63	DIODE RD11M-B3	
D651	8-719-911-19	DIODE ISS119	
D652	9-901-496-01	ZENER-DIODE HZS15-3L-TB	
D653	A 9-901-499-01	DIODE RL2Z	
D654	A 9-901-499-01	DIODE RL2Z	
D655	9-900-931-01	ZENER-DIODE ERA18-04	
D802	9-900-930-01	ZENER-DIODE ERA18-02	
D803	9-901-500-01	DIODE DFD05TE-BT	
D805	A 8-719-000-08	DIODE MC2838	
D806	8-719-300-33	DIODE RU-3AM	
D807	A 9-900-931-01	ZENER-DIODE ERA18-04	
D808	8-719-000-08	DIODE MC2838	
D809	8-719-000-08	DIODE MC2838	
D810	8-719-106-43	DIODE RD9.1M-B1	
<DELAYLINE>			
DL201	9-901-501-01	DELAYLINE	2541-205
<FUSE>			
F651	A 9-901-502-01	FUSE	237004 125V 4A
<IC>			
IC201	A 9-901-504-01	IC LA7626	
IC202	9-901-505-01	IC LA7016	
IC302	8-759-101-77	IC UPC1241H	
IC651	8-759-604-37	IC M5F78M09L	
IC652	9-901-506-01	IC UPC1394G-T2	
IC801	A 9-901-507-01	IC LA7835	
<JUMPER>			
J670	9-901-531-01	CHIP JUMPER	1/8W
J671	9-901-531-01	CHIP JUMPER	1/8W
J672	9-901-531-01	CHIP JUMPER	1/8W









REF. NO.	PART NO.	DESCRIPTION	REMARK
<COIL>			
L201	1-414-031-31	INDUCTOR	39UH
L651	9-901-508-01	CHOKE-COIL	TSL1110 3.3UH-K
L652	1-459-811-11	COIL, CHOKE	10UH
L653	1-459-811-11	COIL, CHOKE	10UH
L654	9-901-509-01	NOISE-FILTER	Z8503S-01 (TA)
L655	9-901-509-01	NOISE-FILTER	Z8503S-01 (TA)
L656	1-408-420-00	INDUCTOR (EL TYPE)	82UH
L802	9-901-511-01	PEAKING-COIL	EL0606RA 3.3UH-K
L803	A 9-900-928-01	COIL FLIIZ	10UH
L804	1-410-971-11	INDUCTOR	10UH
L805	A 9-901-513-01	HLC LH11JL41LFZ	(WLH-364)
L806	A 9-901-510-01	NOISE-FILTER	F8A04H600VB-00 TP
VL801	9-901-525-01	H. SIZE-COIL	0296-575
<JACK>			
PJ801	9-901-514-01	PIN-JACK	01P061-40 (YELLOW)
PJ802	9-901-515-01	PIN-JACK	01P061-40 (BLACK)
PJ803	9-901-514-01	PIN-JACK	01P061-40 (YELLOW)
PJ804	9-901-515-01	PIN-JACK	01P061-40 (BLACK)
PJ805	9-901-516-01	DC-JACK	01J021-00
PJ807	9-901-517-01	EARPHONE-JACK	HSJ5064-91-442
<TRANSISTOR>			
B01	8-729-230-49	TRANSISTOR	2SC2712-YG
B03	8-729-230-49	TRANSISTOR	2SC2712-YG
Q201	8-729-600-21	TRANSISTOR	2SA1235-E
Q202	8-729-230-49	TRANSISTOR	2SC2712-YG
Q204	8-729-230-49	TRANSISTOR	2SC2712-YG
Q205	8-729-230-49	TRANSISTOR	2SC2712-YG
Q206	8-729-600-21	TRANSISTOR	2SA1235-E
Q209	8-729-600-21	TRANSISTOR	2SA1235-E
Q210	A 8-729-140-98	TRANSISTOR	2SD773-34
Q211	8-729-901-01	TRANSISTOR	DTC144EK
Q301	8-729-140-98	TRANSISTOR	2SD773-34
Q651	8-729-119-78	TRANSISTOR	2SC2785-HFE
Q652	A 9-901-519-01	FET	2SK1429
Q801	8-729-230-49	TRANSISTOR	2SC2712-YG
Q802	A 9-901-518-01	TRANSISTOR	2SC4440
Q803	8-729-230-49	TRANSISTOR	2SC2712-YG
Q804	8-729-600-21	TRANSISTOR	2SA1235-E
<RESISTOR>			
R201	9-901-445-01	CHIP-RES CR	22K 1/10W
R202	9-901-448-01	CHIP-RES CR	39K 1/10W
R203	9-901-419-01	CHIP-RES CR	100 1/10W
R204	9-901-442-01	CHIP-RES CR	12K 1/10W
R205	9-901-445-01	CHIP-RES CR	22K 1/10W
R206	9-901-442-01	CHIP-RES CR	12K 1/10W
R207	9-901-442-01	CHIP-RES CR	12K 1/10W
R208	9-901-454-01	CHIP-RES CR	150K 1/10W
R209	9-901-419-01	CHIP-RES CR	100 1/10W
R210	9-901-447-01	CHIP-RES CR	33K 1/10W
R211	9-901-440-01	CHIP-RES CR	9.1K 1/10W
R212	9-901-441-01	CHIP-RES CR	10K 1/10W
R214	9-901-435-01	CHIP-RES CR	3.3K 1/10W
R215	9-901-442-01	CHIP-RES CR	12K 1/10W
R216	9-901-441-01	CHIP-RES CR	10K 1/10W
R217	9-901-439-01	CHIP-RES CR	8.2K 1/10W
R218	9-901-423-01	CHIP-RES CR	330 1/10W


D


Les composants identifiés par une trame et une marque  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.


The components identified by shading and mark  are critical for safety. Replace only with part number specified.

REF. NO.	PART NO.	DESCRIPTION	REMARK
R219	9-901-419-01	CHIP-RES CR 100	1/10W
R220	9-901-457-01	CHIP-RES CR 560K	1/10W
R221	9-901-429-01	CHIP-RES CR 1.2K	1/10W
R222	9-901-423-01	CHIP-RES CR 330	1/10W
R223	9-901-423-01	CHIP-RES CR 330	1/10W
R224	9-901-423-01	CHIP-RES CR 330	1/10W
R229	9-901-428-01	CHIP-RES CR 1K	1/10W
R230	9-901-426-01	CHIP-RES CR 560	1/10W
R231	9-901-455-01	CHIP-RES CR 220K	1/10W
R232	9-901-433-01	CHIP-RES CR 2.2K	1/10W
R233	9-901-448-01	CHIP-RES CR 39K	1/10W
R234	9-901-436-01	CHIP-RES CR 4.7K	1/10W
R235	9-901-458-01	CHIP-RES CR 1M	1/10W
R236	9-901-441-01	CHIP-RES CR 10K	1/10W
R237	9-901-421-01	CHIP-RES CR 180	1/10W
R238	9-901-431-01	CHIP-RES CR 1.5K	1/10W
R240	9-901-433-01	CHIP-RES CR 2.2K	1/10W
R243	9-901-434-01	CHIP-RES CR 3K	1/10W
R244	9-901-439-01	CHIP-RES CR 8.2K	1/10W
R245	9-901-418-01	CHIP-RES CR 75	1/10W
R246	9-901-431-01	CHIP-RES CR 1.5K	1/10W
R247	9-901-431-01	CHIP-RES CR 1.5K	1/10W
R248	9-901-435-01	CHIP-RES CR 3.3K	1/10W
R249	9-901-419-01	CHIP-RES CR 100	1/10W
R250	9-901-419-01	CHIP-RES CR 100	1/10W
R251	9-901-417-01	CHIP-RES CR 68	1/10W
R252	9-901-424-01	CHIP-RES CR 390	1/10W
R253	9-901-416-01	CHIP-RES CR 62	1/10W
R254	9-901-451-01	CHIP-RES CR 56K	1/10W
R255	9-901-428-01	CHIP-RES CR 1K	1/10W
R256	9-901-450-01	CHIP-RES CR 47K	1/10W
R257	9-901-450-01	CHIP-RES CR 47K	1/10W
R258	9-901-415-01	CHIP-RES CR 10	1/10W
R259	9-901-432-01	CHIP-RES CR 1.8K	1/10W
R260	9-901-428-01	CHIP-RES CR 1K	1/10W
R262	9-901-433-01	CHIP-RES CR 2.2K	1/10W
R263	9-901-433-01	CHIP-RES CR 2.2K	1/10W
R266	9-901-450-01	CHIP-RES CR 47K	1/10W
R269	9-901-417-01	CHIP-RES CR 68	1/10W
R270	9-901-435-01	CHIP-RES CR 3.3K	1/10W
R271	9-901-417-01	CHIP-RES CR 68	1/10W
R273	9-901-450-01	CHIP-RES CR 47K	1/10W
R278	9-901-423-01	CHIP-RES CR 330	1/10W
R280	9-901-445-01	CHIP-RES CR 22K	1/10W
R281	9-901-419-01	CHIP-RES CR 100	1/10W
R282	9-901-426-01	CHIP-RES CR 560	1/10W
R283	9-901-456-01	CHIP-RES CR 470K	1/10W
R284	9-901-416-01	CHIP-RES CR 62	1/10W
R287	9-901-422-01	CHIP-RES CR 220	1/10W
R288	9-901-441-01	CHIP-RES CR 10K	1/10W
R289	9-901-415-01	CHIP-RES CR 10	1/10W
R291	9-901-456-01	CHIP-RES CR 470K	1/10W
R292	9-901-424-01	CHIP-RES CR 390	1/10W
R293	9-901-459-01	CHIP-RES CR 4.7M	1/10W
R294	9-901-427-01	CHIP-RES CR 680	1/10W
R301	9-901-441-01	CHIP-RES CR 10K	1/10W
R303	9-901-450-01	CHIP-RES CR 47K	1/10W
R304	9-901-450-01	CHIP-RES CR 47K	1/10W
R306	9-901-441-01	CHIP-RES CR 10K	1/10W
R307	9-901-450-01	CHIP-RES CR 47K	1/10W
R308	9-901-450-01	CHIP-RES CR 47K	1/10W
R310	9-901-414-01	CHIP-RES CR 2	1/10W
R311	9-901-420-01	CHIP-RES CR 150	1/10W

REF. NO.	PART NO.	DESCRIPTION	REMARK
R312	9-901-420-01	CHIP-RES CR 150	1/10W
R316	9-901-430-01	CHIP-RES CR 1.3K	1/10W
R317	9-901-426-01	CHIP-RES CR 560	1/10W
R318	9-901-413-01	CHIP-RES CR 1	1/10W
R651	1-247-704-11	CARBON 220 5%	1/4W F
R652	9-901-441-01	CHIP-RES CR 10K	1/10W
R653	1-247-708-11	CARBON 470 5%	1/4W F
R655	9-901-453-01	CHIP-RES CR 100K	1/10W
R656	9-901-433-01	CHIP-RES CR 2.2K	1/10W
R657	9-901-449-01	CHIP-RES CR 43K	1/10W
R658	9-901-456-01	CHIP-RES CR 470K	1/10W
R659	9-901-453-01	CHIP-RES CR 100K	1/10W
R660	9-901-436-01	CHIP-RES CR 4.7K	1/10W
R661	9-901-436-01	CHIP-RES CR 4.7K	1/10W
 R662		METAL	1/4W
R663	9-901-444-01	CHIP-RES CR 18K	1/10W
R664	9-901-438-01	CHIP-RES CR 6.8K	1/10W
R665	1-215-453-00	METAL 22K 1%	1/4W
R666	9-901-443-01	CHIP-RES CR 15K	1/10W
R667	9-901-461-01	R-METAL 0.033	2W
R670	1-247-704-11	CARBON 220 5%	1/4W F
R671	1-249-417-11	CARBON 1K 5%	1/4W
R672	9-901-453-01	CHIP-RES CR 100K	1/10W
R673	9-901-408-01	CHIP-RES CR 1K	1/8W
R674	9-901-428-01	CHIP-RES CR 1K	1/10W
R801	9-901-425-01	CHIP-RES CR 470	1/10W
R803	1-216-354-51	METAL OXIDE 2.7 5%	1W F
R804	9-901-446-01	CHIP-RES CR 27K	1/10W
R805	9-901-450-01	CHIP-RES CR 47K	1/10W
R806	9-901-423-01	CHIP-RES CR 330	1/10W
R807	9-901-444-01	CHIP-RES CR 18K	1/10W
R808	9-901-437-01	CHIP-RES CR 5.6K	1/10W
R809	9-901-450-01	CHIP-RES CR 47K	1/10W
R810	9-901-433-01	CHIP-RES CR 2.2K	1/10W
R811	1-216-455-11	METAL OXIDE 560 5%	2W F
R812	1-249-409-11	CARBON 220 5%	1/4W
R813	9-901-423-01	CHIP-RES CR 330	1/10W
R814	9-901-439-01	CHIP-RES CR 8.2K	1/10W
R815	9-901-426-01	CHIP-RES CR 560	1/10W
R816	1-216-857-11	METAL GLAZE 1M 5%	1/6W
R818	9-901-446-01	CHIP-RES CR 27K	1/10W
R820	 9-900-940-01	R-FUSE 27	1/2W
R821	 9-900-939-01	R-FUSE 100	1/2W
R822	9-901-428-01	CHIP-RES CR 1K	1/10W
R823	 9-901-407-01	CHIP-RES CR 10	1/4W
R824	9-901-410-01	CHIP-RES CR 8.2K	1/8W
R825	9-901-442-01	CHIP-RES CR 12K	1/10W
R826	9-901-452-01	CHIP-RES CR 82K	1/10W
R828	9-901-445-01	CHIP-RES CR 22K	1/10W
R829	9-901-445-01	CHIP-RES CR 22K	1/10W
R831	9-901-412-01	CHIP-RES CR 15K	1/8W
R832	9-901-412-01	CHIP-RES CR 15K	1/8W
R833	9-901-443-01	CHIP-RES CR 15K	1/10W
R834	9-901-411-01	CHIP-RES CR 10K	1/8W
R838	 9-901-406-01	CHIP-RES CR 9.1	1/4W
R839	9-901-409-01	CHIP-RES CR 5.6K	1/8W
 R840		CHIP-RES CR	1/10W
R867	9-901-445-01	CHIP-RES CR 22K	1/10W
R868	9-901-445-01	CHIP-RES CR 22K	1/10W
R869	1-249-411-11	CARBON 330 5%	1/4W
R870	1-249-409-11	CARBON 220 5%	1/4W
R871	9-901-426-01	CHIP-RES CR 560	1/10W
R872	9-901-437-01	CHIP-RES CR 5.6K	1/10W
R873	9-901-423-01	CHIP-RES CR 330	1/10W







• The components identified by  in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.









The components identified by shading and mark  are critical for safety. Replace only with part number specified.


















Les composants identifiés par une trame et une marque  sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.


D

F

REF. NO.	PART NO.	DESCRIPTION	REMARK
R874	9-901-460-01	R-CARBON 1.5 1/4W	
R875	9-901-460-01	R-CARBON 1.5 1/4W	
R876	9-901-437-01	CHIP-RES CR 5.6K 1/10W	
R877	9-901-413-01	CHIP-RES CR 1 1/10W	
R878	9-901-413-01	CHIP-RES CR 1 1/10W	
 R879 		CHIP-RES CR 1 1/10W	
<SWITCH>			
SW101	9-901-520-01	SLIDE-SW SSSSF1	
SW802	9-901-521-01	LEVER-SW EVQ-ROBL 12	
<TRANSFORMER>			
T201	9-901-522-01	HDT SRW16ES-5i3V003	
T202	 9-901-523-01	F. B. T MSH1FPS152	
T651	 9-901-524-01	TRANSFORMER SRW2929ED-533V004	
<VARIABLE RESISTOR>			
VR201	9-901-526-01	VR-BLCK RX09Z4410 (20KBX4)	
VR205	9-901-527-01	SEMIFIXD-RES RH0638CS4R 47K	
VR206	9-901-527-01	SEMIFIXD-RES RH0638CS4R 47K	
 VR651 		SEMIFIXD-RES	
VR801	9-901-527-01	SEMIFIXD-RES RH0638CS4R 47K	
VR802	9-901-528-01	SEMIFIXD-RES RH0638C 220	
VR803	9-900-921-01	SEMIFIXD-RES RH064JC 2.2K	
<CRYSTAL>			
X201	1-567-505-11	OSCILLATOR, CRYSTAL	

9-901-567-01	F BOARD, COMPLETE	*****	
9-901-555-01	FUSE-CLIP PFC5000-0202		
9-901-556-01	FUSE-CAP TP-109		
9-901-566-01	SPRING-BAND 3		
<CAPACITOR>			
C601	 9-901-545-01	C-POLYPROPYLENE LFX 0.1MF-K 250V	
C602	 1-162-679-11	CERAMIC 2200PF 20% 125V	
C603	 1-162-679-11	CERAMIC 2200PF 20% 125V	
C604	 9-901-543-01	ELECT 180MF 200V	
C606	9-901-538-01	CERAMIC 470PF 1KV	
C607	9-901-539-01	CERAMIC 0.022MF 50V	
C608	9-901-544-01	ELECT 33MF 35V	
C609	1-126-101-11	ELECT 100MF 20% 16V	
C610	 1-162-678-11	CERAMIC 1000PF 20% 125V	
C612	 9-901-541-01	ELECT 1000MF 25V	
C613	 9-901-541-01	ELECT 1000MF 25V	
C614	9-901-542-01	ELECT 330MF 25V	
C615	 9-901-545-01	C-POLYPROPYLENE 0.1MF 250V	
C616	9-901-540-01	CERAMIC 4700PF 500V	
C617	1-124-791-11	ELECT 1MF 20% 50V	
C618	1-164-081-11	CERAMIC 470PF 10% 50V	
<CONNECTOR>			
CN601	*9-901-547-01	CONNECTOR RTB-1.5-3P	
CN603	*9-901-546-01	CONNECTOR RTB-1.5-2P	
CN604	*1-564-706-11	PIN, CONNECTOR (SMALL TYPE) 4P	

REF. NO.	PART NO.	DESCRIPTION	REMARK
CN605	*1-564-104-00	PIN, CONNECTOR (B3P-VH) 3P	
<DIODE>			
D601	 9-901-551-01	DIODE-BRIGE RB156	
D602	9-901-548-01	DIODE EPOIC	
D603	8-719-312-61	DIODE EU-1Z	
D604	 8-719-312-62	DIODE EU1ZV1	
D605	9-901-549-01	DIODE EH1Y1	
D606	8-719-312-61	DIODE EU-1Z	
D607	 9-901-550-01	DIODE RK46 LF-L1 (015-206)	
D608	8-719-911-19	DIODE ISS119	
<FUSE>			
F601	 9-901-552-01	FUSE 237004 125V 4A	
F602	 9-901-553-01	FUSE 125V 1.25A	
F603	 9-901-554-01	FUSE 125V 2.5A	
<IC>			
IC601	 9-901-557-01	HIC STR-D1206	
<COIL>			
L601	 9-901-559-01	LINE-FILTER TLF12UA 502W1RO	
L602	9-901-558-01	CHOK-CHOIL TSL1110 10UH	
L603	9-901-560-01	NOISE-FILTER ZBF5030-00TA	
L604	9-901-561-01	DC-LINE-FILTER SH-302	
<TRANSISTOR>			
Q601	8-729-265-52	TRANSISTOR 2SC2655-Y	
Q602	9-901-562-01	TRANSISTOR 2SC2603-34-A-E/F	
<RESISTOR>			
R602	 9-901-537-01	R-WIRE BWR 2.2 3W	
R603	1-214-917-00	CARBON 150K 5% 1/2W	
R604	1-214-917-00	CARBON 150K 5% 1/2W	
R605	 1-216-448-11	METAL OXIDE 39 5% 2W F	
R606	 1-215-886-11	METAL OXIDE 100 5% 2W F	
R607	9-901-536-01	R-CARBON 1.0K 1/4W	
R608	9-901-536-01	R-CARBON 1.0K 1/4W	
R609	 9-901-535-01	R-CARBON 1.5 1/4W	
R610	 1-216-365-11	METAL OXIDE 0.47 5% 2W F	
R611	 1-215-927-11	METAL OXIDE 47K 5% 3W F	
R614	 1-202-661-11	SOLID 4.7M 5% 1/2W	
R616	1-249-429-11	CARBON 10K 5% 1/4W	
<RELAY>			
RY601	9-901-563-01	RELAY AJZ32117	
<TRANSFORMER>			
T601	 9-901-564-01	TRANSFORMER SRW3333ED-541V016	
<THERMISTOR>			
PTH601	 9-901-565-01	THERMISTOR 903P52E080NP14A	

• The components identified by  in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.

H

REF. NO.	PART NO.	DESCRIPTION	REMARK
	9-901-405-01	H BOARD, COMPLETE *****	
		<DIODE>	
D1	8-719-000-08	DIODE MC2838	
D4	9-901-403-01	DIODE SLR331MC70F070	
		<IC>	
IC1	9-900-910-01	IC GP1U561	
		<JUMPER>	
J1	9-901-402-01	CHIP-JUMPER CR 1/10W	
		<TRANSISTOR>	
Q1	8-729-230-49	TRANSISTOR 2SC2712-YG	
		<RESISTOR>	
R1	9-901-400-01	CHIP-RES CR 68	1/8W
R2	9-901-401-01	CHIP-RES CR 560	1/10W
		<SWITCH>	
SW1	1-571-532-21	SWITCH, TACTIL	
SW2	1-571-532-21	SWITCH, TACTIL	
SW3	1-571-532-21	SWITCH, TACTIL	
SW4	1-571-532-21	SWITCH, TACTIL	
SW5	1-571-532-21	SWITCH, TACTIL	
SW6	1-571-532-21	SWITCH, TACTIL	

		MISCELLANEOUS *****	
	Δ 1-451-265-11	DEFLECTION YOKE (Y09NDA)	
	1-452-032-00	MAGNET, DISK ; 10MM ϕ	
	1-452-094-00	MAGNET, RATATABLE DISK ; 15MM ϕ	
	1-452-126-11	MAGNET	
	Δ 9-901-595-01	AC-INLET CCT2102-0601R	
	9-901-596-01	COAXIAL CABLE	
	9-901-597-01	SPEAKER 8Ω 2W	
	Δ 9-901-599-01	DGC	
V901	Δ 9-901-598-01	PICTURE TUBE (A20JKU10X)	

Les composants identifiés par une trame et une marque Δ sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

REF. NO.	PART NO.	DESCRIPTION	REMARK
		ACCESSORIES & PACKING MATERIALS *****	
	1-465-958-11	REMOTE COMANDER (RM-792) (GRAY) (KV-8AD11 ONLY)	
	1-465-959-11	REMOTE COMANDER (RM-793) (WHITE) (KV-8AD14 ONLY)	
	3-753-903-21	MANUAL, INSTRUCTION (ENGLISH)	
	3-753-903-31	MANUAL, INSTRUCTION (FRENCH)	
	*9-901-581-01	PACKING-PLATE	
	*9-901-582-01	PACKING-CASE (KV-8AD11 ONLY)	
	*9-901-583-01	PACKING-BAG	
	*9-901-584-01	PACKING-BAG	
	*9-901-585-01	CUSHION	
	9-901-587-01	CAR-BATTERY-CODE	
	9-901-589-01	ROD ANTENNA (KV-8AD11 ONLY)	
	Δ 9-901-590-01	AC CORD	
	*9-901-607-01	PACKING-CASE (KV-8AD14 ONLY)	
	9-901-608-01	ROD ANTENNA (KV-8AD14 ONLY)	
