

PVM-2030

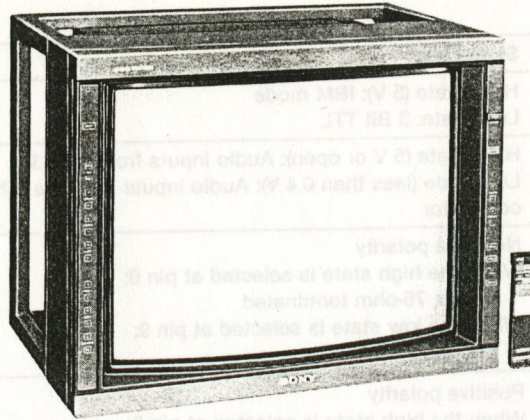
RM-739

SERVICE MANUAL

US Model
Canadian Model
Chassis No. SCC-A85A-A

PDF SCANNED BY

CRT DATABASE



SPECIFICATIONS

Note: The service manual for RM-739 has been issued separately.

Color system	NTSC system	AUDIO IN:	LINE A/B: Phono jack, -5 dBs, high impedance
Picture tube	Trinitron tube		VTR: 8-pin connector, -5 dBs, high impedance
	Approx. 50.6 cm picture measured diagonally, 100-degree deflection, AG Pitch 0.55 mm	CMPT	25-pin connector (See "Pin assignment")
Resolution	VTR inputs: 560 TV lines RGB inputs: 640 x 200 dots (2000 characters)	Outputs	
Color temperature	9300°K	VIDEO OUT:	LINE A/B: BNC connector
Frequency response	10 MHz (-3 to +4 dB, RGB) 6 MHz (-3 dB, composite video)	AUDIO OUT:	LINE A/B: Phono jack
Horizontal linearity	Less than ±5%	SPEAKER:	8 ohms
Vertical linearity	Less than ±5%	Power requirements	120 V AC, 50/60 Hz
Line pull range	Horizontal: +500 Hz Vertical: -8 Hz	Power consumption	150 W max
Overscan of the picture	Less than +7%	Dimensions	Approx. 516 x 409 x 481 mm (w/h/d) (20 3/8 x 16 1/8 x 19 inches)
Input return loss	More than 35 dB up to 4 MHz	Weight	Approx. 30.5 kg (67 lb 4 oz)
Zooming	Within 5%	Supplied accessories	
Convergence	Central area: within 0.9 mm Periphery : within 1.7 mm	Remote commander RM-739, with 2 batteries (IEC designation R6)	1
Inputs		BNC-Phono adaptor plug.....	4
VIDEO IN:	LINE A/B: BNC connector composite video, 1 Vp-p ±6 dB, sync negative, 75-ohms termination switchable	Optional accessories	
	VTR: 8-pin connector, composite video, 1 Vp-p ±6 dB, sync negative, 75-ohms terminated	SU-539 TV stand	
		SU-541 TV stand	
		SS-X6A speaker system	
		APM-X5A speaker system	

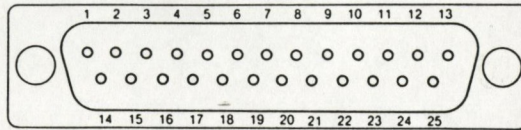
TRINITRON® COLOR VIDEO MONITOR

SONY®



MON

CMPTR connector (25-pin)
Pin assignment



Pin No.	Signal	Signal level
1*	IBM select	High state (5 V): IBM mode Low state: 3 Bit TTL
2	Audio select	High state (5 V or open): Audio Inputs from pin 13. Low state (less than 0.4 V): Audio Inputs from the LINE A/LINE B AUDIO IN jacks or VTR connector
3	H. sync or composite sync	Negative polarity When the high state is selected at pin 9: 1 Vp-p, 75-ohm terminated When the low state is selected at pin 9: TTL level
4	Blue input	Positive polarity When the high state is selected at pin 9: Analog signal (0.7 Vp-p, 75-ohm terminated, non sync 1 Vp-p, 75-ohm terminated, with sync on G-signal) When the low state is selected at pin 9: Digital signal (TTL level)
5	Green input	
6	Red input	
7	No connection	—
8		
9*	Analog/digital mode select	High state (open): Analog signal (0.7 Vp-p) Low state (ground): Digital signal (TTL level)
10	RGB/NORMAL mode select	High state (5 V or open): RGB inputs from a microcomputer Low state (ground): Composite video inputs from the LINE A/LINE B VIDEO IN or VTR connector
11	V-sync	Negative polarity TTL level
12	Blanking	High state (5 V or open): Video inputs from a microcomputer only Low state (ground): Composite video input from the LINE A/LINE B VIDEO IN or VTR connector During the low state, the video signal from the microcomputer is blanked and the composite video signal from the LINE A/LINE B VIDEO IN or VTR connector is superimposed over the signal from the microcomputer.
13	Audio input	Input level -5 dB (100% modulation), input impedance more than 47 k ohms
14	No connection	—
15-24	Ground	
25*	IBM luminance signal	Positive polarity When the high state is selected at pin 1: TTL level When the low state is selected at pin 1: Low state (ground)

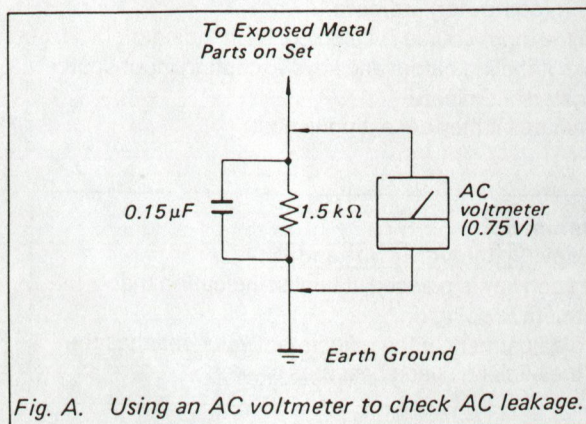
Design and specifications subject to change without notice.

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 microamperes). 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 2 V 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)

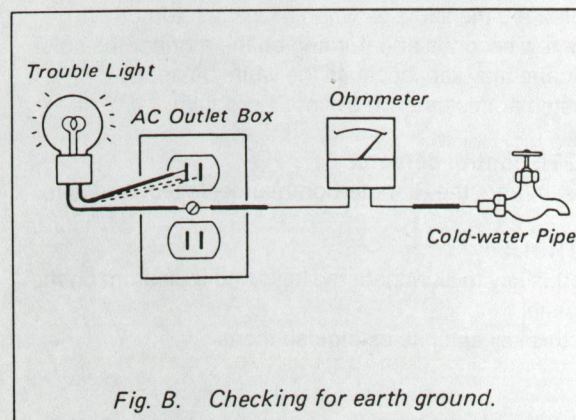



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WARNING !!

AN ISOLATION TRANSFORMER SHOULD BE USED DURING ANY SERVICE TO AVOID POSSIBLE SHOCK HAZARD, BECAUSE OF LIVE CHASSIS. THE CHASSIS OF THIS RECEIVER IS DIRECTLY CONNECTED TO THE AC POWER LINE.


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!!

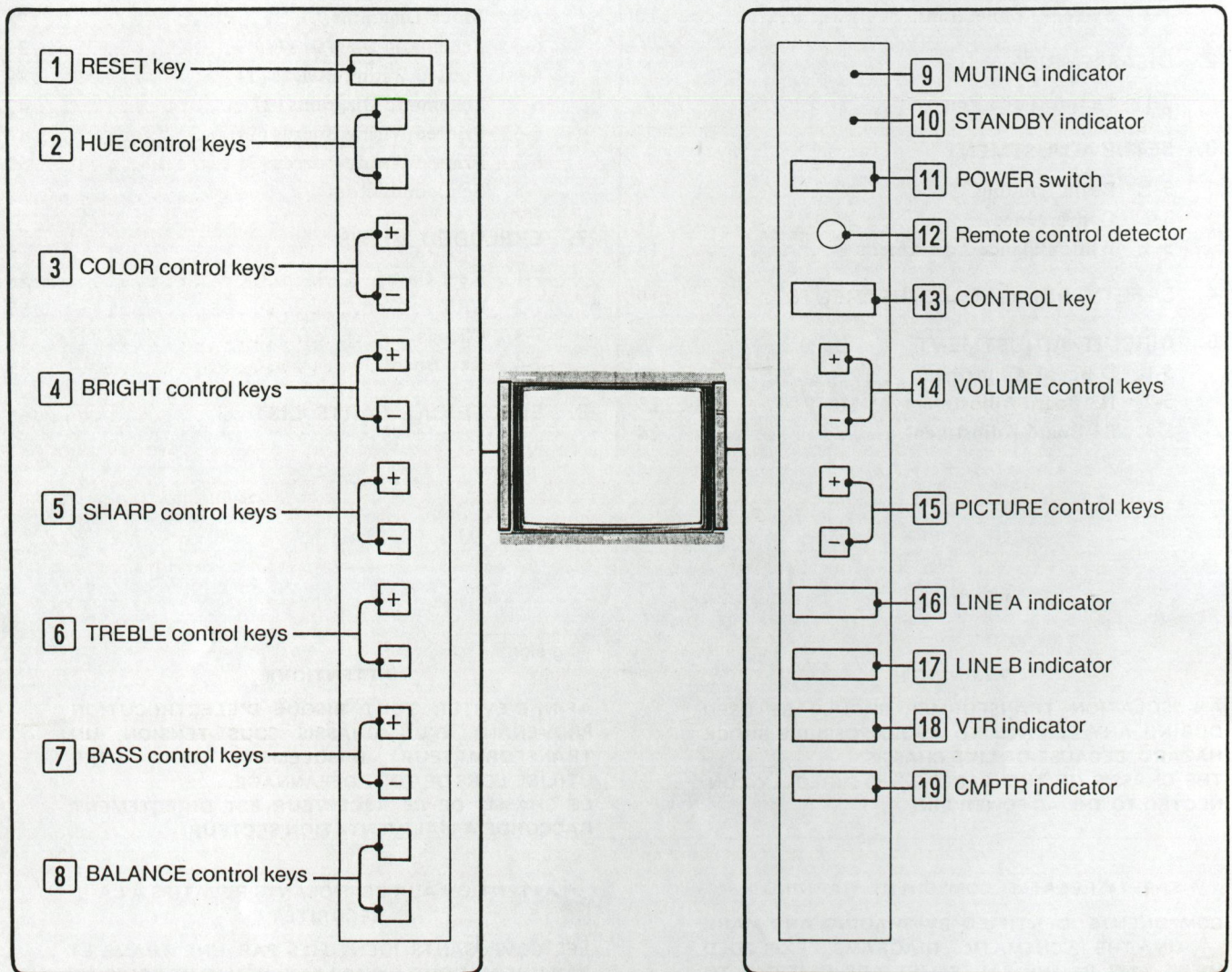
AFIN D'EVITER TOUT RISQUE D'ELECTROCUTION PROVENANT D'UN CHÂSSIS SOUS TENSION, UN TRANSFORMATEUR D'ISOLEMENT DOIT ETRE UTILISÉ LORS DE TOUT DÉPANNAGE. LE CHÂSSIS DE CE RÉCEPTEUR EST DIRECTEMENT RACCORDÉ À L'ALIMENTATION SECTEUR.

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 PIÉCES SONT D'UNE IMPORTANCE CRITIQUE POUR LA SÉCURITÉ DU FONCTIONNEMENT. NE LES REMPLACER QUE PAR DES COMPOSANTS SONY DONT LE NUMÉRO DE PIÉCE 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.

1-1. LOCATION AND FUNCTION OF PARTS AND CONTROLS

Front panel



• Press CONTROL key after power is turned on to light the control keys or indicators.

The following control keys are effective only when MANUAL CONTROL switch on the rear panel is set to ON.

- | | |
|---|--|
| <p>1 RESET key
Press this key to return to the standard setting.
• This key is effective only for the control keys on the left.</p> <p>2 HUE control keys
Press the GRN (green) key to make the skin tones greenish or the PUR (purple) key to make it purplish.</p> <p>3 COLOR control keys
Press the + key to make the color intensity vivid or the - key to make it pale.</p> <p>4 BRIGHT (brightness) control keys
Press the + key to make the picture brighter or the - key to make it darker.</p> | <p>5 SHARP (sharpness) control keys
Press the + key to obtain a sharp picture or the - key to obtain a less sharp picture.</p> <p>6 TREBLE control keys
Press the + key to increase the treble (high tone) or the - key to decrease it.</p> <p>7 BASS control keys
Press the + key to increase the bass (low tone) or the - key to decrease it.</p> <p>8 BALANCE control keys
Press the L key to increase the sound volume of the left speaker or the R key to increase the sound volume of the right speaker.</p> |
|---|--|

Remote commander

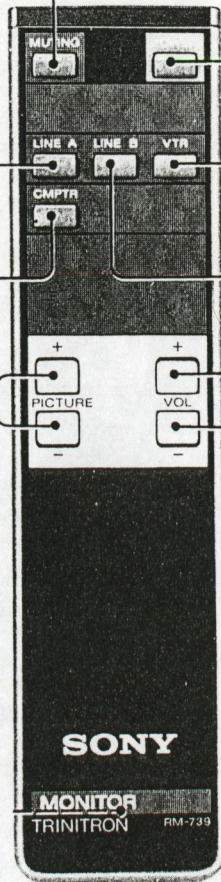
MUTING button

Press this button to mute the sound.
Press this button again to cancel muting.
• When muting is cancelled, the volume returns to the level before muting.

LINE A button **

CMPTR (computer) button **

PICTURE control buttons *



POWER switch *

VTR button **

LINE B button **

VOL (Volume) control buttons *

* The function of these buttons is the same as those on the front panel.
** To select LINE A, LINE B, VTR or CMPTR for the input source, press the corresponding button.

9 MUTING indicator

Illuminates while the sound is muted.
• Muting is controlled only by a remote commander.

10 STAND BY indicator

Illuminates when the POWER switch is turned off.

11 POWER switch

Press this switch to turn the monitor on.
Press this switch again to turn it off.
• When the monitor is turned on, the settings of the monitor are the same as when it was last turned off.
• For a few seconds after turning on the monitor the color of picture may vary because the white balance is adjusted at this time. This is not a problem.

12 REMOTE control detector

The beam from the Remote Commander is received here.

13 CONTROL key

Press this key to illuminate the keys and indicators on the front panel.
Press this key again to extinguish them.

14 VOLUME control keys

Press the + key to raise the volume or the - key to lower it.

15 PICTURE control keys

Press the + key to make the contrast, color intensity and brightness stronger or the - key to make them weaker.

16 LINE A indicator

17 LINE B indicator

18 VTR indicator

19 CMPTR (computer) indicator

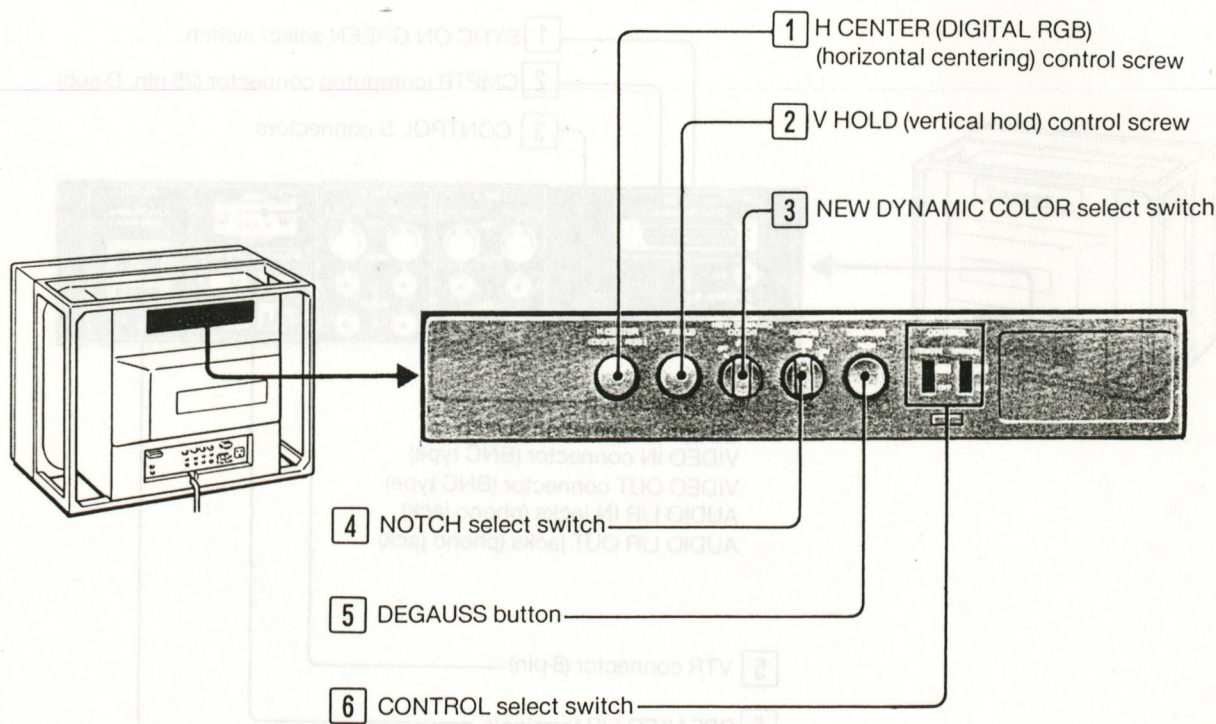
When the input source is selected, each indicator:
• Blinks if the indicators and keys excepting input source indicators illuminate.
• Illuminates if they are extinguished.

Key illumination

For the keys 1 through 8, 14 and 15:

- While each key is pressed, it blinks, indicating that adjustment is going on.
- During adjustment, if the adjustment value reaches the limit, the blinking speed becomes slower.

Rear panel



1 H CENTER (DIGITAL RGB) (horizontal centering) control

When the picture of DIGITAL RGB input is distorted horizontally, correct it with this control.

2 V HOLD (vertical hold) control

When the picture rolls vertically, correct it with this control.

3 NEW DYNAMIC COLOR select switch

Normally set to ON, which makes it possible to obtain natural skin tone and "blueish white".

4 NOTCH select switch

Normally set to OFF.
To eliminate notches forming along the horizontal boundary between the colors, set this switch to ON.

5 DEGAUSS button

Push this button for more than 5 seconds to demagnetize the screen.
(Just a touch may make the screen more magnetized.)
Wait for 10 minutes or more before activating this button again.

6 CONTROL select switches

Normally set to ON.

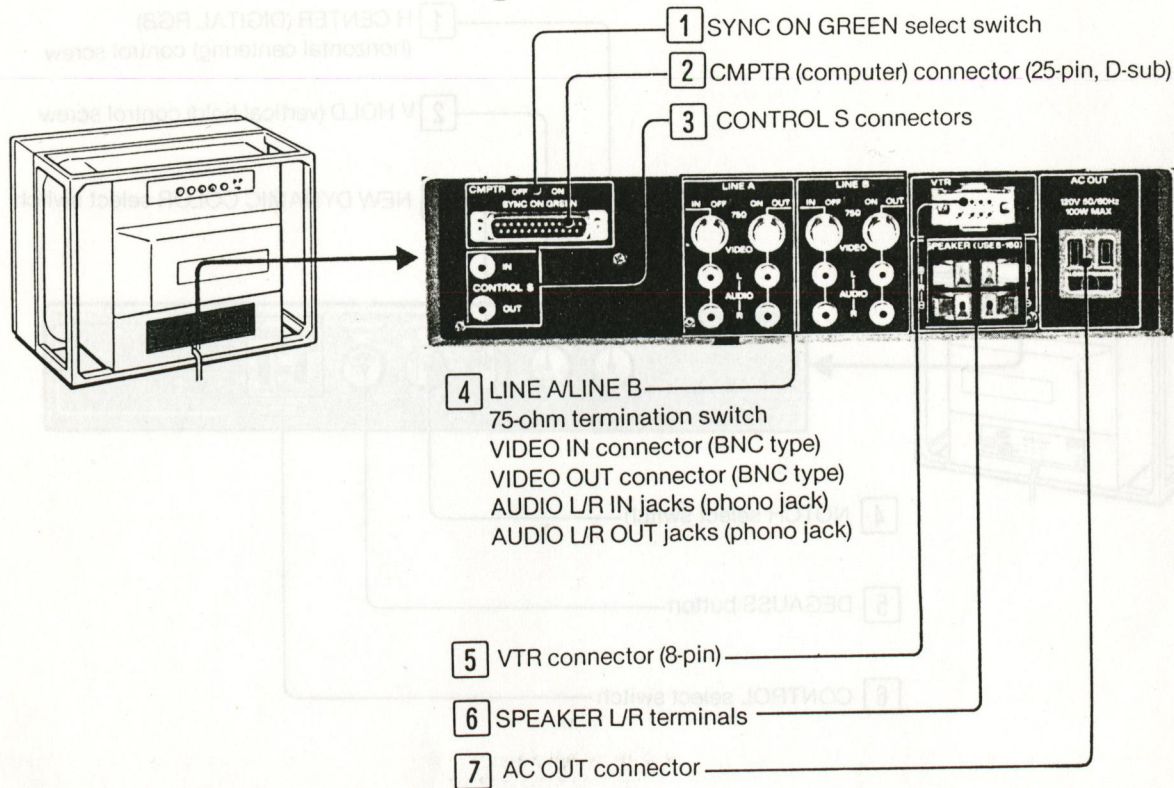
REMOTE CONTROL switch

Set this switch to ON to control the monitor with a Remote Commander.
If this switch is set to OFF, the remote control is not possible.

MANUAL CONTROL switch

Set this switch to ON to control the monitor manually.
To make the manual control of the control keys or switches on the front panel impossible, distinguish the indicators by pressing the CONTROL key on the front panel and set this switch to OFF.
(However remote control is possible if REMOTE CONTROL switch is set to ON.)

Connectors



1 SYNC ON GREEN select switch

When an RGB input source is connected to CMPTR connector, set this switch to:
ON to synchronize with the sync signal on G-signal.
OFF to synchronize with H./V. sync signal or composite sync signal.

2 CMPTR (computer) connector (25-pin, D-sub)

Connect to a microcomputer with digital or analog RGB outputs.
 For the pin assignment, refer to SPECIFICATIONS.

3 CONTROL S IN/OUT connectors

Connect to the CONTROL S connectors of a VTR or several monitors.
 It is then possible to control the system with a single Remote Commander.

4 LINE A/LINE B

VIDEO IN connector (BNC type)

AUDIO L/R IN jacks (phono jack)

Connect to the video and audio outputs of a VTR or a camera.

VIDEO OUT connector (BNC type)

AUDIO L/R OUT jacks (phono jack)

Loop-through outputs of the IN connector and jacks.
 Connect to the video and audio inputs of another monitor.

75-ohm termination switch

When only the VIDEO IN connector is used (nothing is connected to the VIDEO OUT connector), set this switch to **ON**.
 When both connectors are used together for a loop-through connection), set this switch to **OFF**.

5 VTR connector (8-pin)

Connect to a VTR with an 8-pin TV connector.

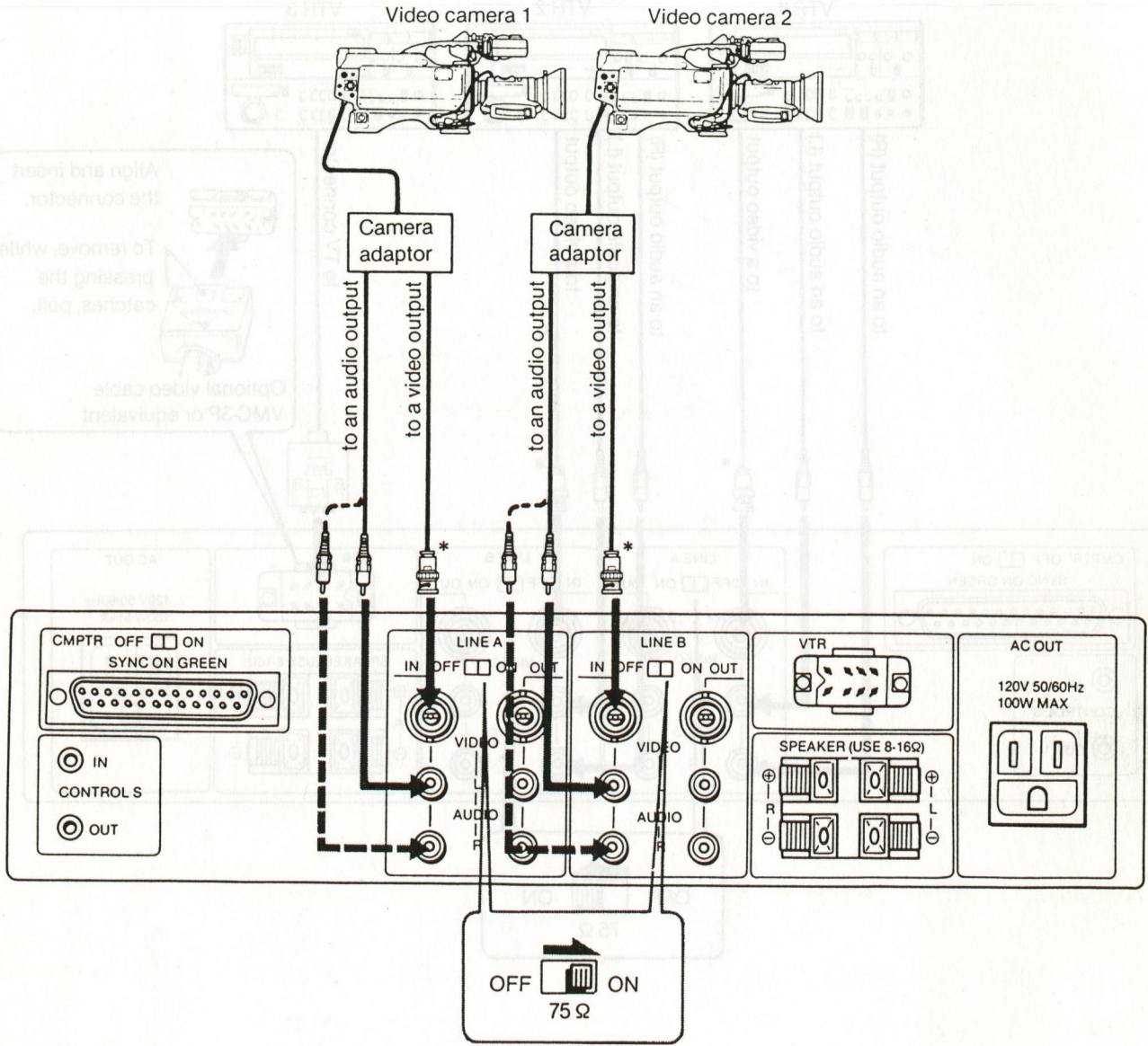
6 SPEAKER (USE 8 - 16Ω) L/R terminals

Connect to speakers with 8 to 16 ohms impedance.

7 AC OUT (120 V, 50/60 Hz, 100 W MAX) connector

This outlet provides AC power of 100 W max. **Only for a connected microcomputer.**

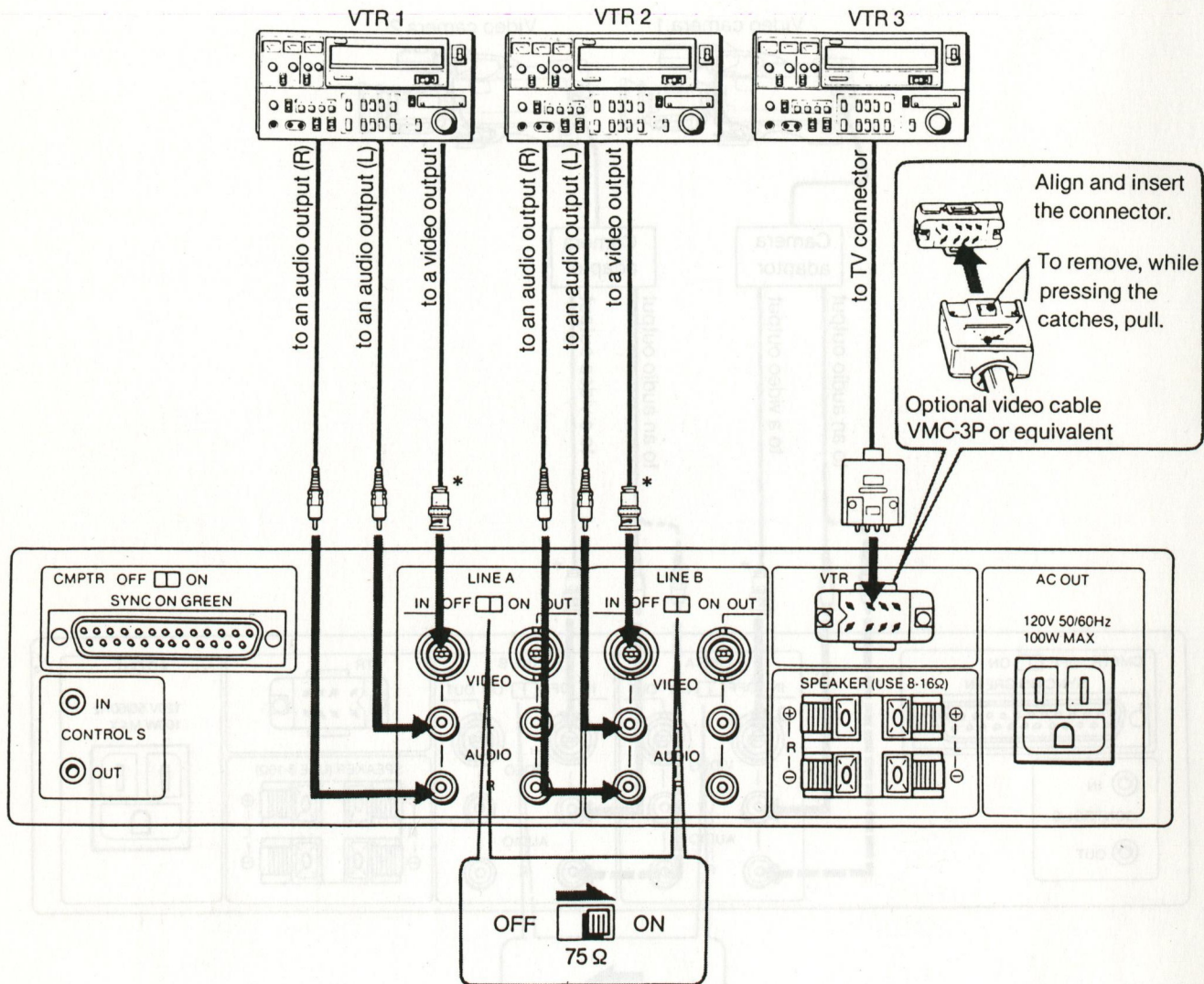
CONNECTING A VIDEO CAMERA



* If the connected camera adaptor's video output is an RCA phono jack, use the supplied BNC-Phono adaptor plug.

1-2. SYSTEM CONNECTIONS

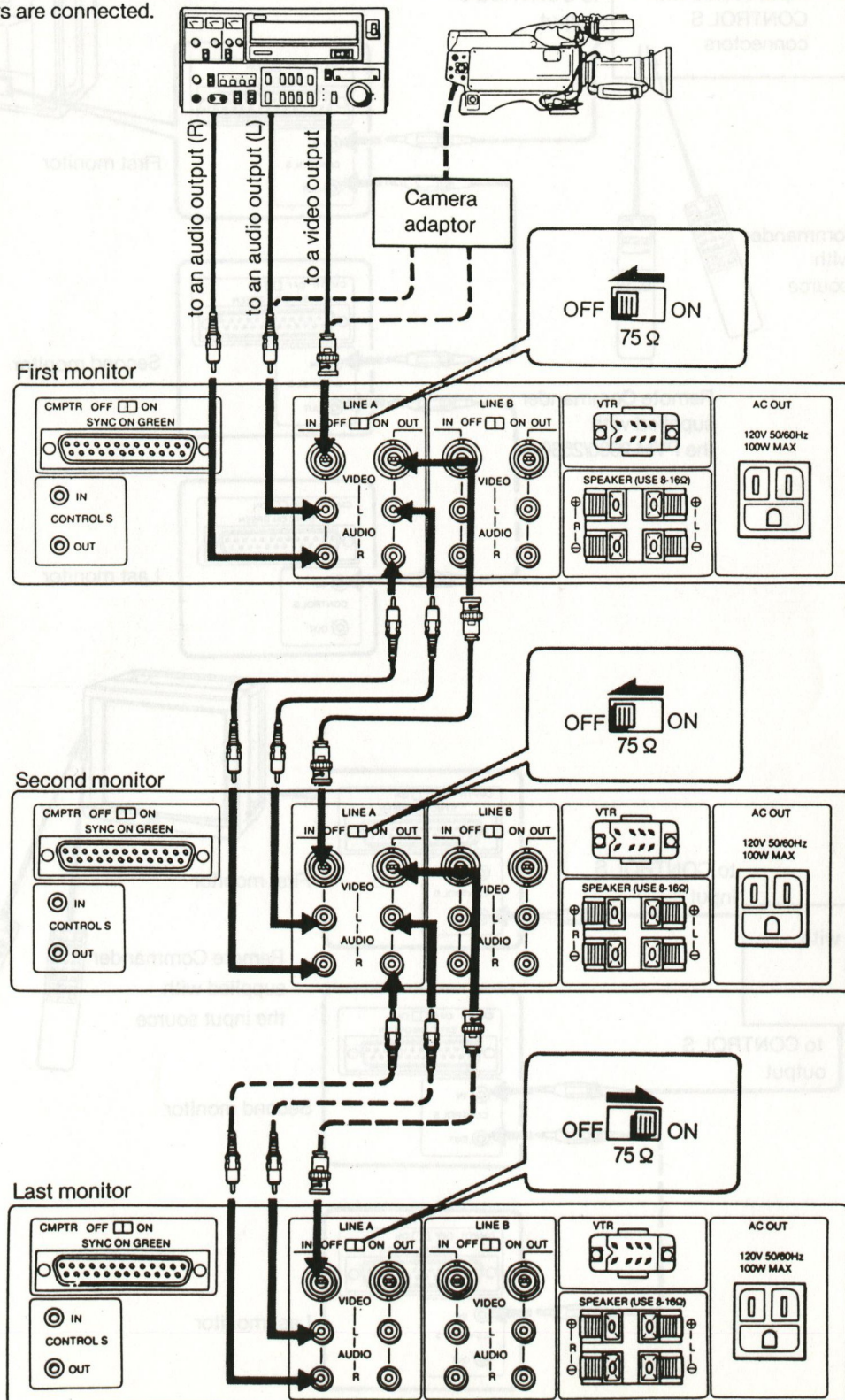
CONNECTING A VTR



* If the connected VTR's video output is an RCA phono jack, use the supplied BNC-Phono adaptor plug.

CONNECTING SEVERAL MONITORS

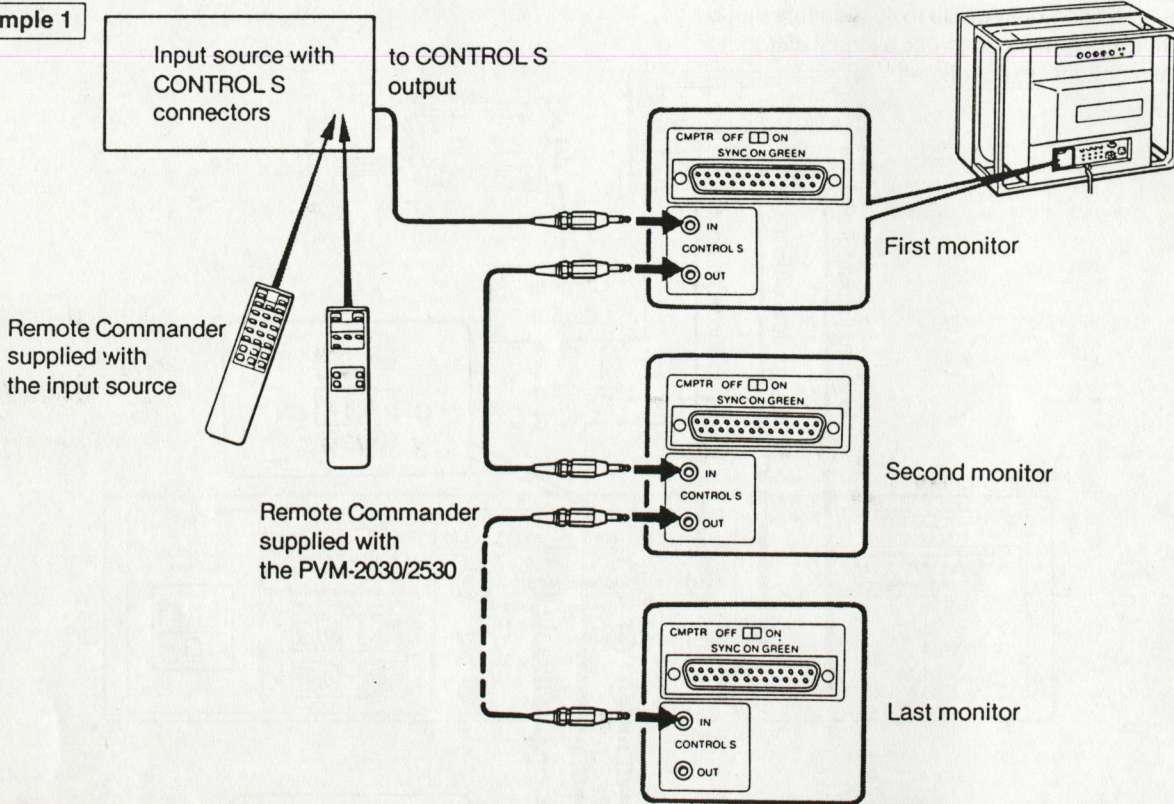
A loop-through connection is convenient for monitoring the same signal on other monitors. Up to 10 monitors can be connected. It is recommended to use a signal distributor when several monitors are connected.



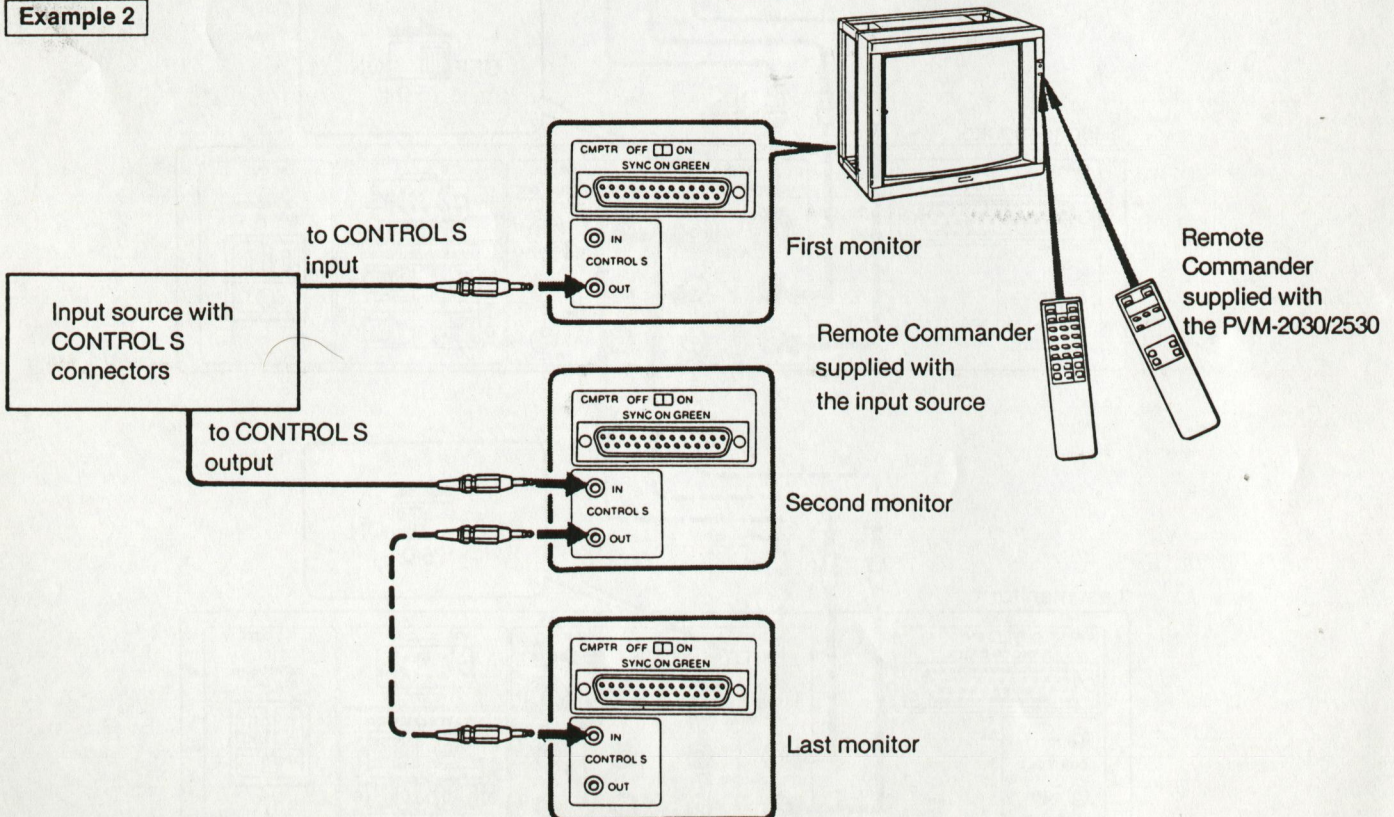
CONTROL S connection

The following connections allow remote control of several monitors and a VTR through a single monitor.

Example 1

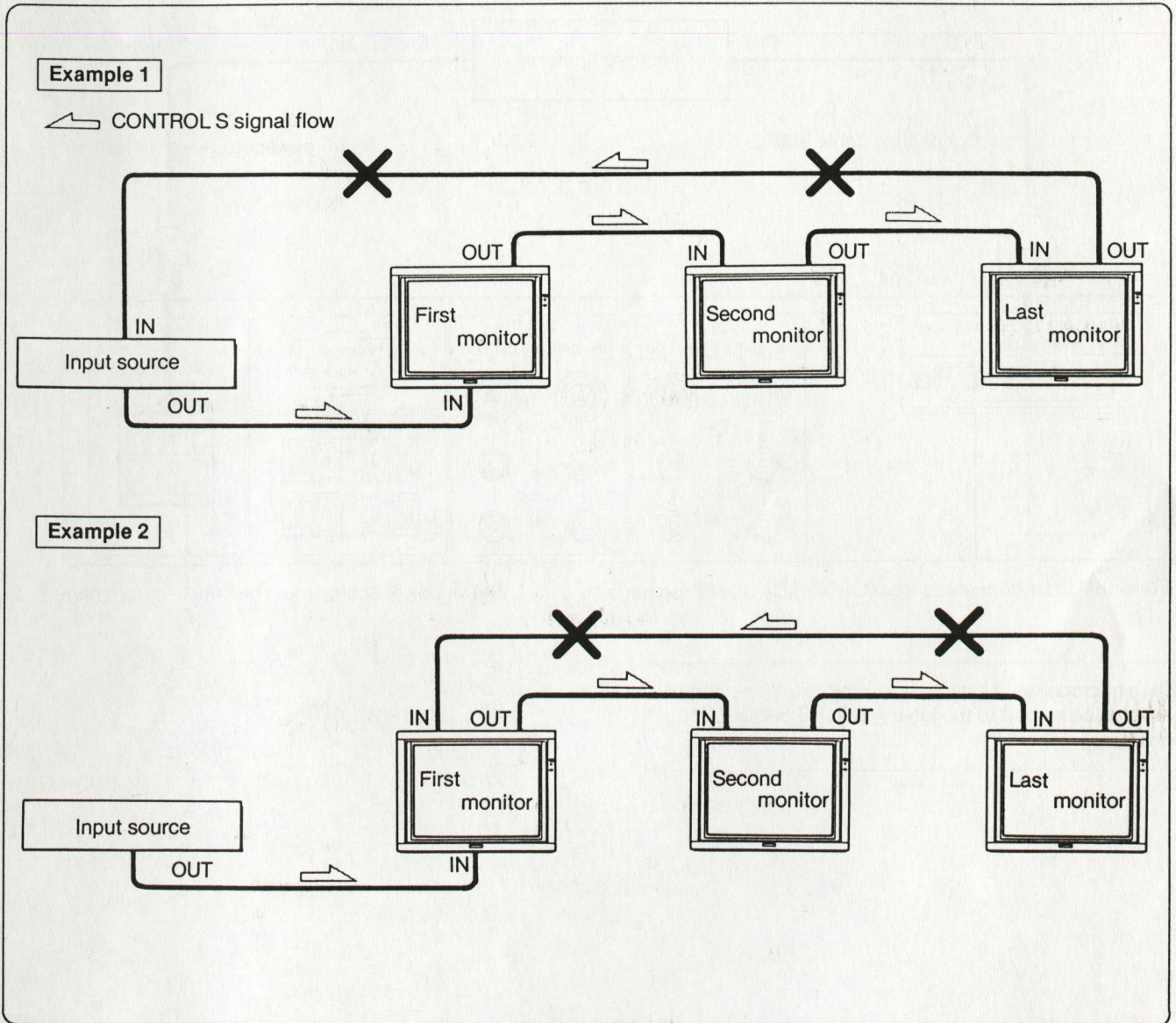


Example 2

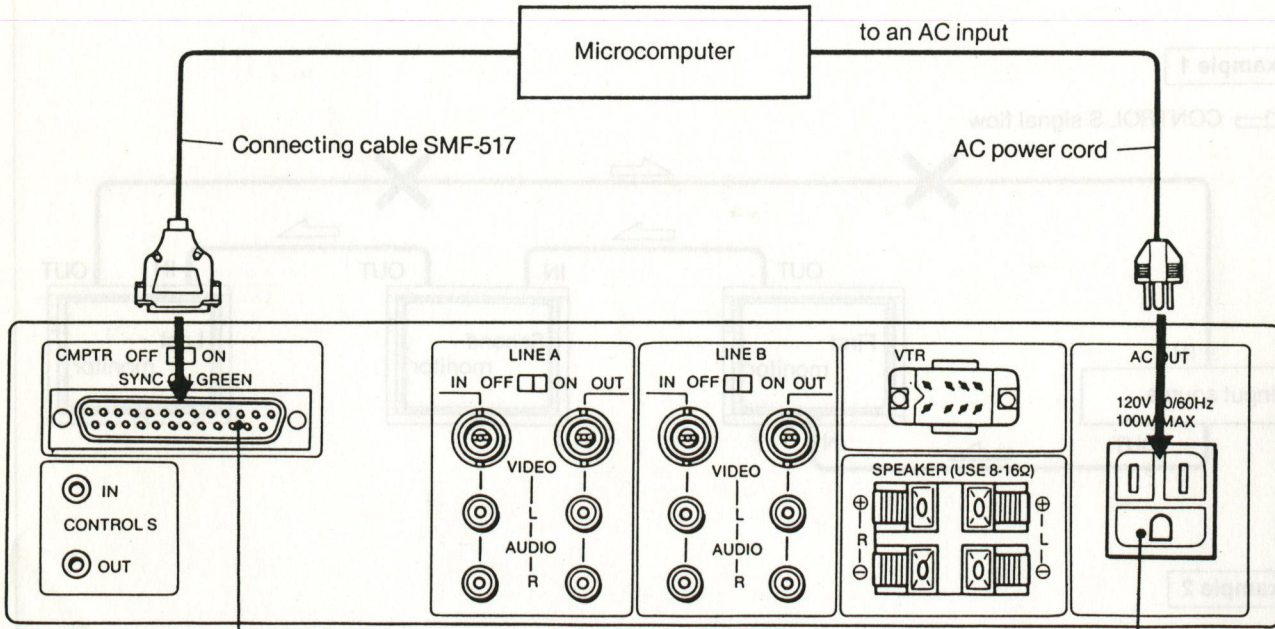


Note

Do not use the following loop connections.



CONNECTING A MICROCOMPUTER



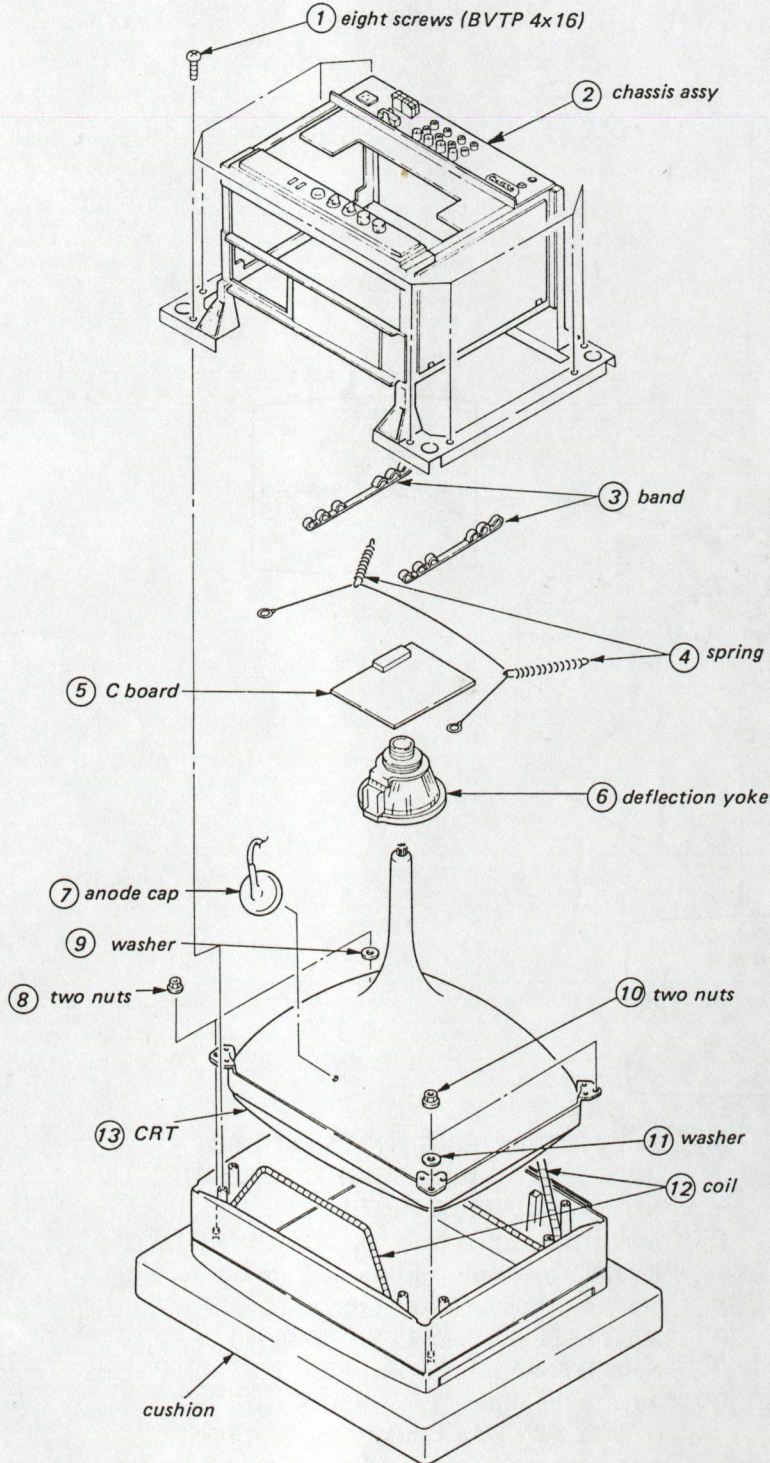
For signal to be connected, see "SPECIFICATIONS" on page 15.

The power source must be supplied from here.

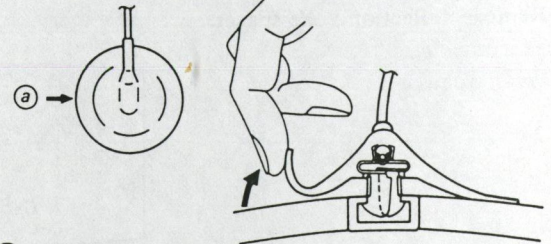
When a microcomputer has only a composite video output connector, connect it to the LINE A or LINE B VIDEO IN connector.

SECTION 2 DISASSEMBLY

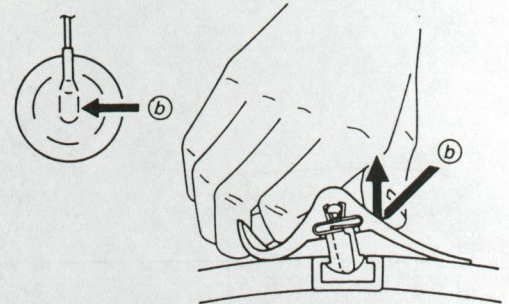
2-1. PICTURE TUBE REMOVAL



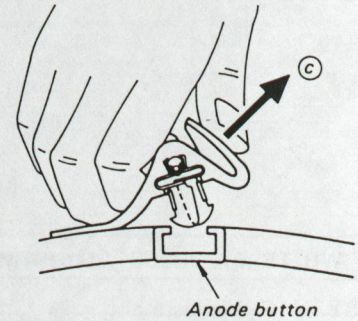
• Removing Procedures



- 1 Turn up one side of the rubber cap in the direction indicated by the arrow (a).



- 2 Using a thumb, pull up the rubber cap firmly in the direction indicated by the arrow (b).



- 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 (c).

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.

Controls and switch should be set as follows unless otherwise noted:

PICTURE control MAXIMUM

BRIGHTNESS control MAXIMUM

Perform the adjustments in order as follows:

1. Beam Landing
2. Convergence
3. White Balance

Note: Test Equipment Required

1. Color-bar/Pattern Generator (LEADER LCG-396)
2. Degausser
3. LUMINANCE METER
4. COLOR ANALYZER

3-1. BEAM LANDING

Preparation:

- Feed in the white pattern.
 - Before starting, degauss the entire screen.
- 1 Turn on set power supply and receive an all-white signal.
 - 2 Evenly degauss the entire screen.
 - 3 Loosen the deflection yoke mounting screw, and set the purity control to the center as shown in Figure 3-1.
 4. Input a red signal.
 - 5 Move the deflection yoke back, and adjust the purity control so that **R** is in the center and **G** and **B** are at the sides, evenly. (Figure 3-2.)
 - 6 Move the deflection yoke forward so that the entire screen is red.
 - * If the deflection yoke is pushed all the way to the CRT then moved slightly back, landing adjustment is easier.
 - 7 Substitute **G**, then **B** for **R** in step 4 and check landing.
 - 8 Rotate **R**, **G** and **B** once each and check landing.
 - 9 When landing is not right, adjust the purity control and use magnets as shown in Figure 3-3, then repeat steps 7 and 8
 - 10 When a magnet is used, be sure to perform step 2, and tighten deflection yoke mounting screw loosely.

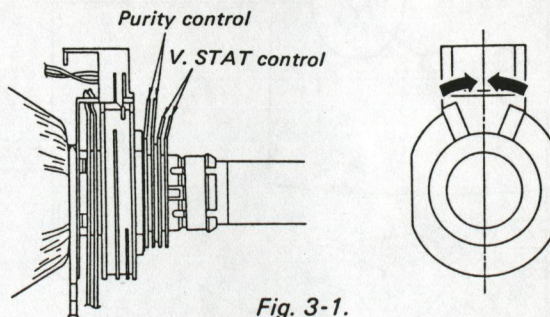


Fig. 3-1.

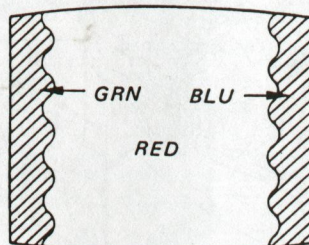


Fig. 3-2.

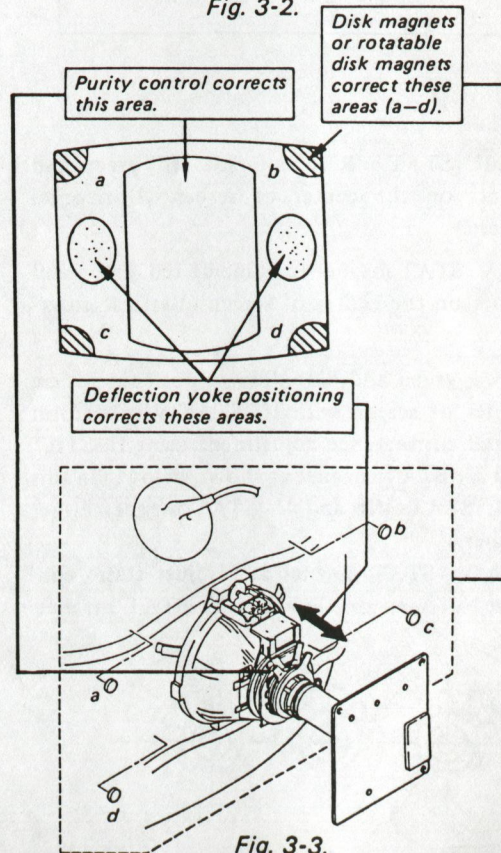
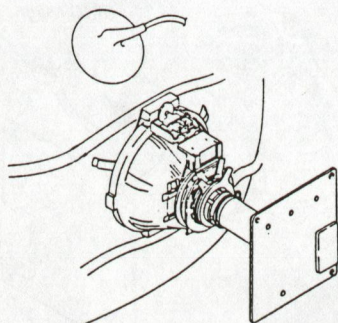


Fig. 3-3.

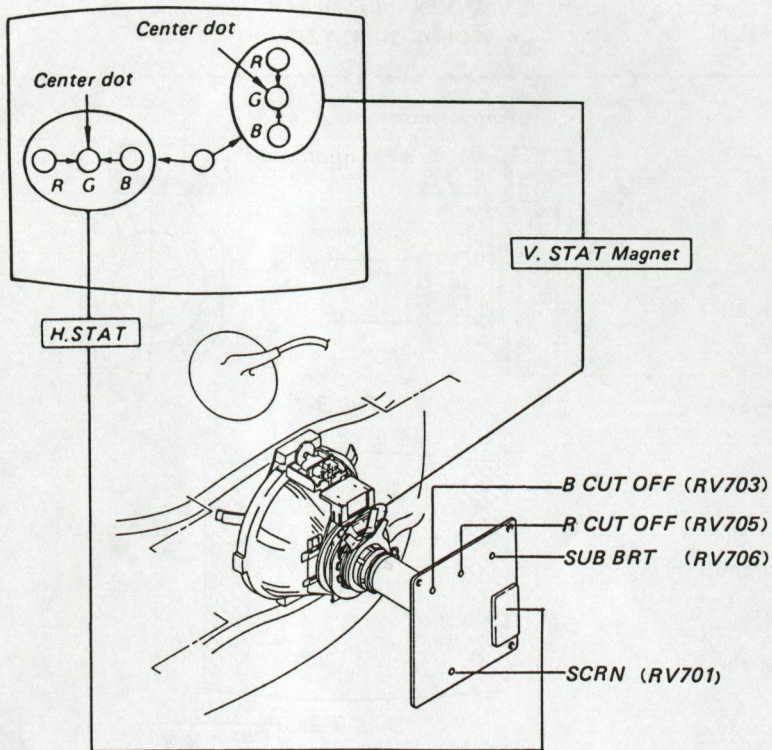


3-2. COVERGENCE

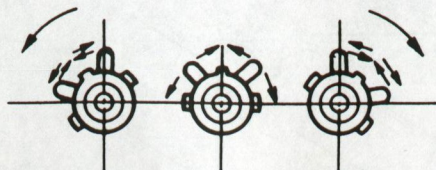
Preparation:

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

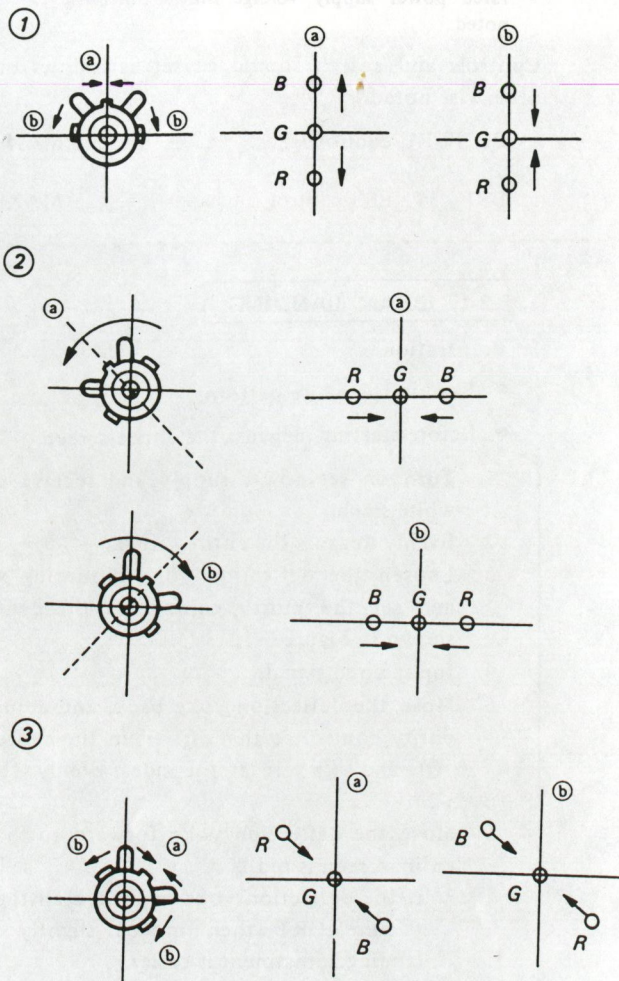
(1) Horizontal and Vertical Static Convergence



1. Adjust H. STAT VR to coincide red, green and blue dots on the center of screen (Horizontal movement)
 2. Adjust V. STAT magnet to coincide red, green and blue dots on the center of screen (Vertical movement)
 3. If the red, green and blue dots do not coincide 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.



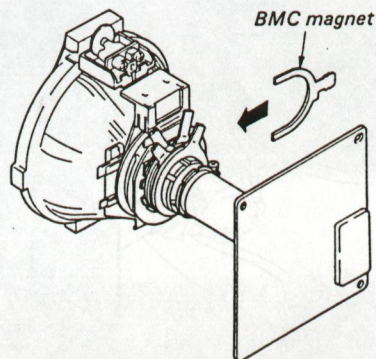
4. When the V. STAT magnet is moved in the direction of arrow (a) and (b), Red, Green and Blue dots move as shown below.



If blue dot does not coincide with red and green dots, perform following steps.

- Move BMC magnet (a) to correct insufficient H. static convergence.
- Rotate BMC magnet (b) to correct insufficient V. static convergence.

In either case, repeat Beam Landing Adjustment.



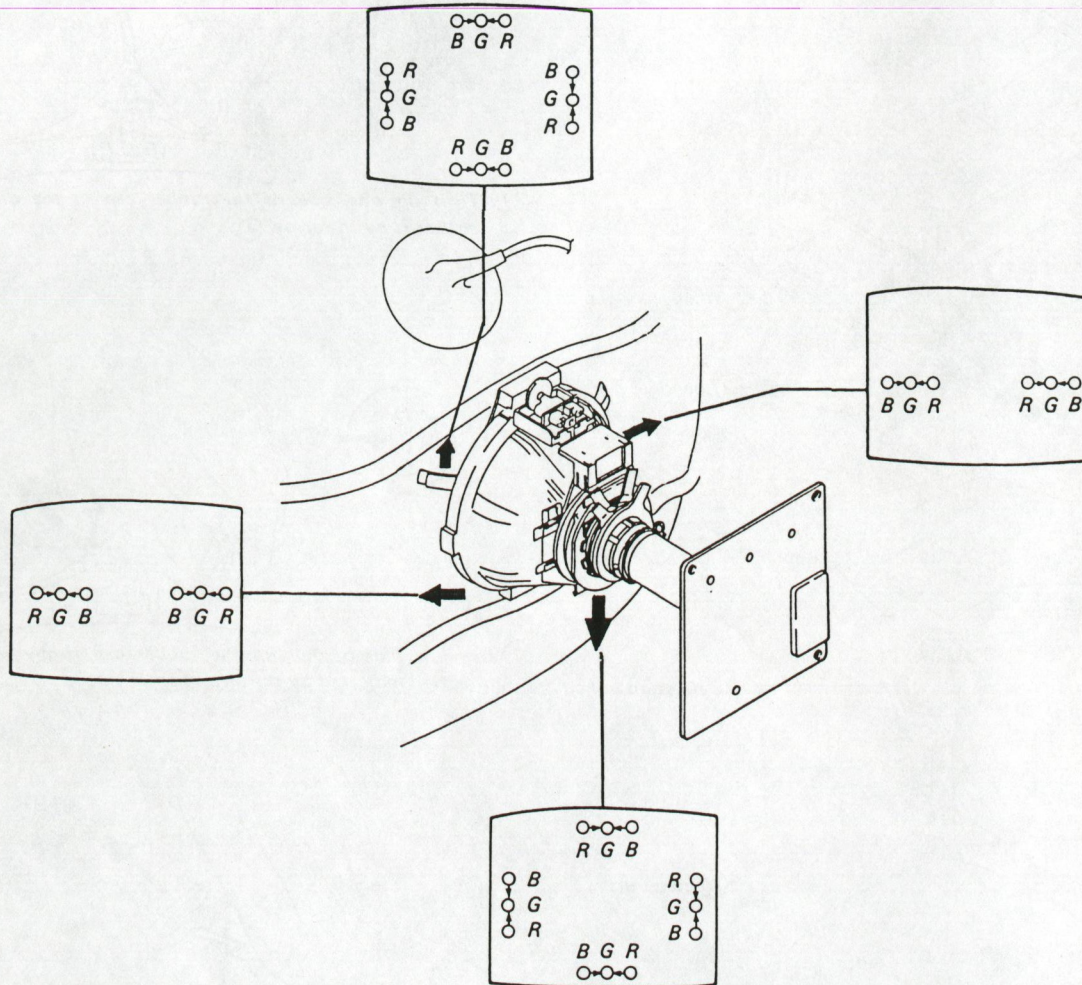
(2) Dynamic Convergence Adjustment

Preparation:

- Before starting, perform Horizontal and Vertical Static Convergence Adjustment.

1. 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.



3-3. WHITE BALANCE ADJUSTMENT

1. SCREEN (G_2) adjustment

- (1) Input a color bar signal. (Turn OFF the color signal and the burst signal.)
- (2) Confirm that G_1 line voltage is 30 ± 5 Vdc.
- (3) Adjust CUT OFF VR (R, B) so that R, B cathode voltage becomes 180V DC. Adjust with G_2 VR (RV701) so that red bar glows faintly.

2. W/B adjustment

- (1) Input an all white signal.
- (2) Turn PICTURE, BRIGHTNESS and S. BRT VR (RV706) to adjust the BRIGHTNESS to 10 NIT by LUMINANCE METER.
- (3) Adjust the other two CUT OFF (RV703, RV705) controls for best white balance (neutral gray). ($9300^\circ\text{K} + 8\text{MPCD}$)

- (4) Turn PICTURE, BRIGHTNESS and S. BRT V (RV706) to adjust the BRIGHTNESS to 310 NIT by LUMINANCE METER.
- (5) Adjust the other two IK VR (RV3301, RV3302) controls on the UB board for best white balance (neutral gray).
- (6) Input an all white signal. (VIDEO signal)
Note: DYNAMIC COLOR OFF
- (7) Adjust the other two BLACK ADJ VR (RV471, RV472) controls for best white balance.
- (8) Input a color bar signal.
- (9) Adjust with S. BRT (RV706) so that red bar glows faintly.

SECTION 4
SAFETY RELATED ADJUSTMENT

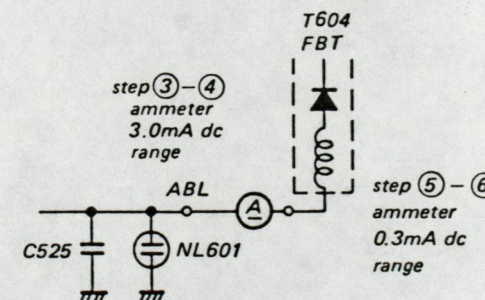
HOLD DOWN ADJUSTMENT (R531)

Be sure to perform the following adjustment after replacing the parts below. (Marked on the schematic diagram).

D507, D510, IC501, R512, R519, R529, R530, R531, R534, R542, R544, R599, R1501, R5102, R1503, R1539, R1541, R1542, R1569.

1. Turn the POWER switch ON, and receive entirely white signals and set the PICTURE and BRIGHTNESS control to maximum.
2. Confirm that the voltage of the IC1510 (1) pin is more than 15.78V DC when the set is operating normally with 120V AC supply.
3. Adjust ABL current to $1400 \pm 30 \mu\text{A}$ with PICTURE and BRIGHTNESS. (ammeter 3.0mA dc range)
4. Confirm that there is less than 18.35V DC where by the raster disappears during operation of hold-down circuit. (HOLD DOWN check point of IC1510 (1) pin)
5. Adjust ABL current to $210 \pm 10 \mu\text{A}$ with PICTURE and BRIGHTNESS. (ammeter 0.3mA dc range)

6. Confirm that there is less than 19.25V DC where by the raster disappears during operation of hold-down circuit. (HOLD DOWN check point of IC1510 (1) pin)
Note: If the hold-down circuit starts operating in the above case, switch OFF the POWER of the set immediately.
7. If above steps is not satisfied, select resistance value of R597 and repeat above steps 1 through 6.

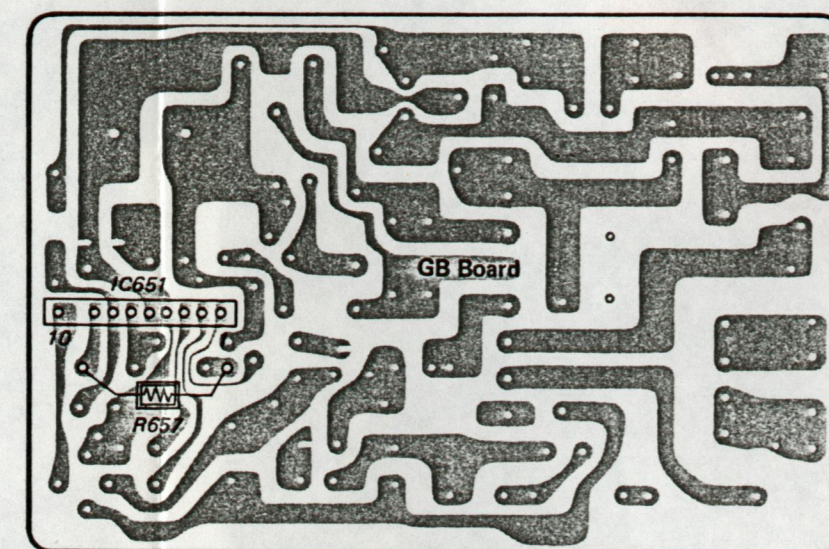
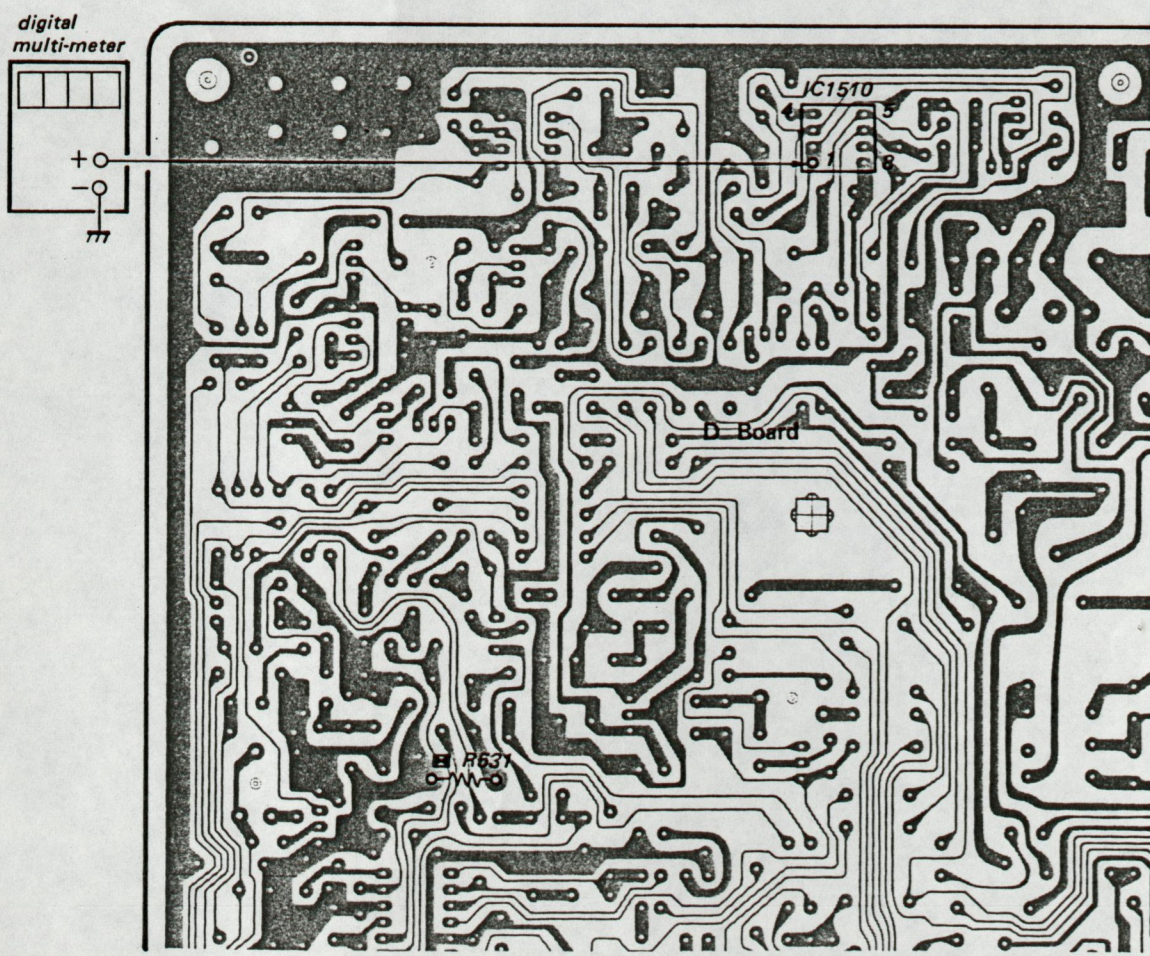


CHECKING AFTER H.V.R REPLACEMENT

After replacing H.V.R * confirm that there is more than 15.78V DC on IC1510 (1) pin. (HOLD DOWN check point)
* This check is to be performed when H.V.R only is replaced, and has no relation to the H.V hold-down circuit readjustment for replacement of parts marked.

CHECK AFTER IC651 and R657 REPLACEMENT

1. Supply $130 \pm 3^\circ \text{V AC}$ to with variable auto-transformer.
2. Input in a entirely white signal.
3. Set the PICTURE control and BRIGHTNESS control to maximum. (CONTRL OFF)
4. Confirm the voltage on digital multimeter is less than 138.5V DC.
5. If step 4 is not satisfied, replace IC651 and R657 repeat above steps.



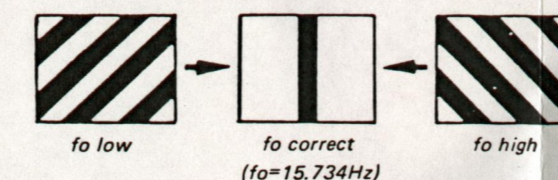
5-1. D BOARD ADJUSTMENTS

V.SIZE V.CENT

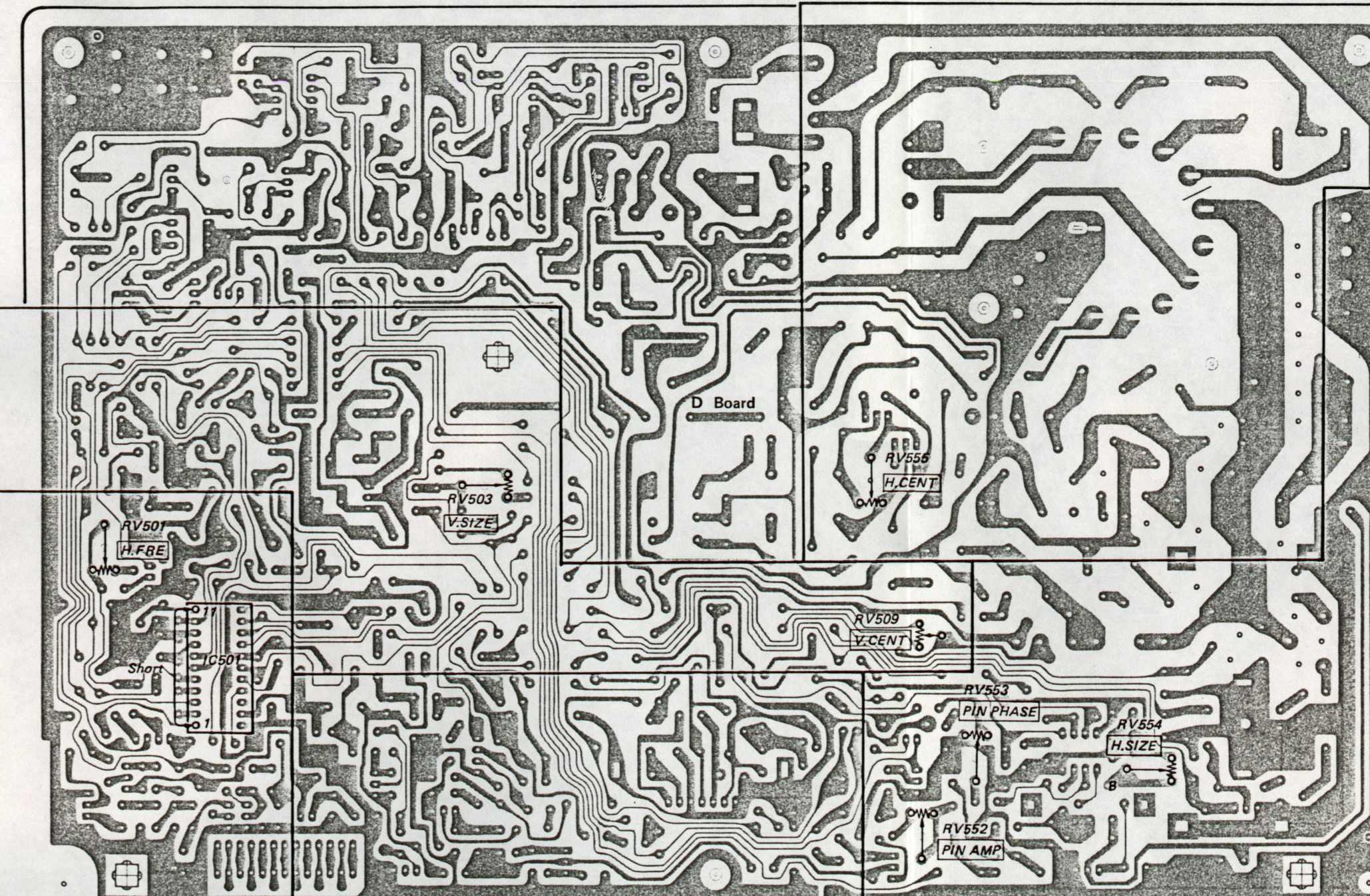
Adjust RV503 and RV509 for a best vertical SIZE Picture.

H.FREQ Adjustment

1. Input a color bar signal and short between IC501 pins (1) and (11).
Also short B1 board IC401 pins (35) and (36).
2. Adjust H.FREQ VR (RV501) so that picture flow is as shown in Figure.
3. After adjustment, remove the connections in step (1).



SECTION 5
CIRCUIT ADJUSTMENTS



Horizontal Position Adjustment

1. Check that H center moves to the right and left with horizontal position VR (RV555), then adjust horizontal position to center.

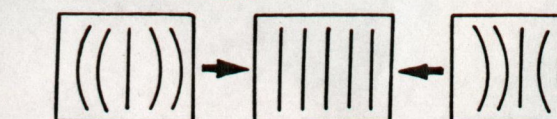
Picture Distortion Adjustment

1. Picture distortion adjustment
Input a signal equivalent to a crosshatch signal.

PIN PHASE (RV553)



PIN AMP (RV552)

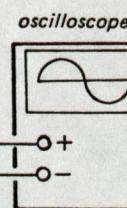
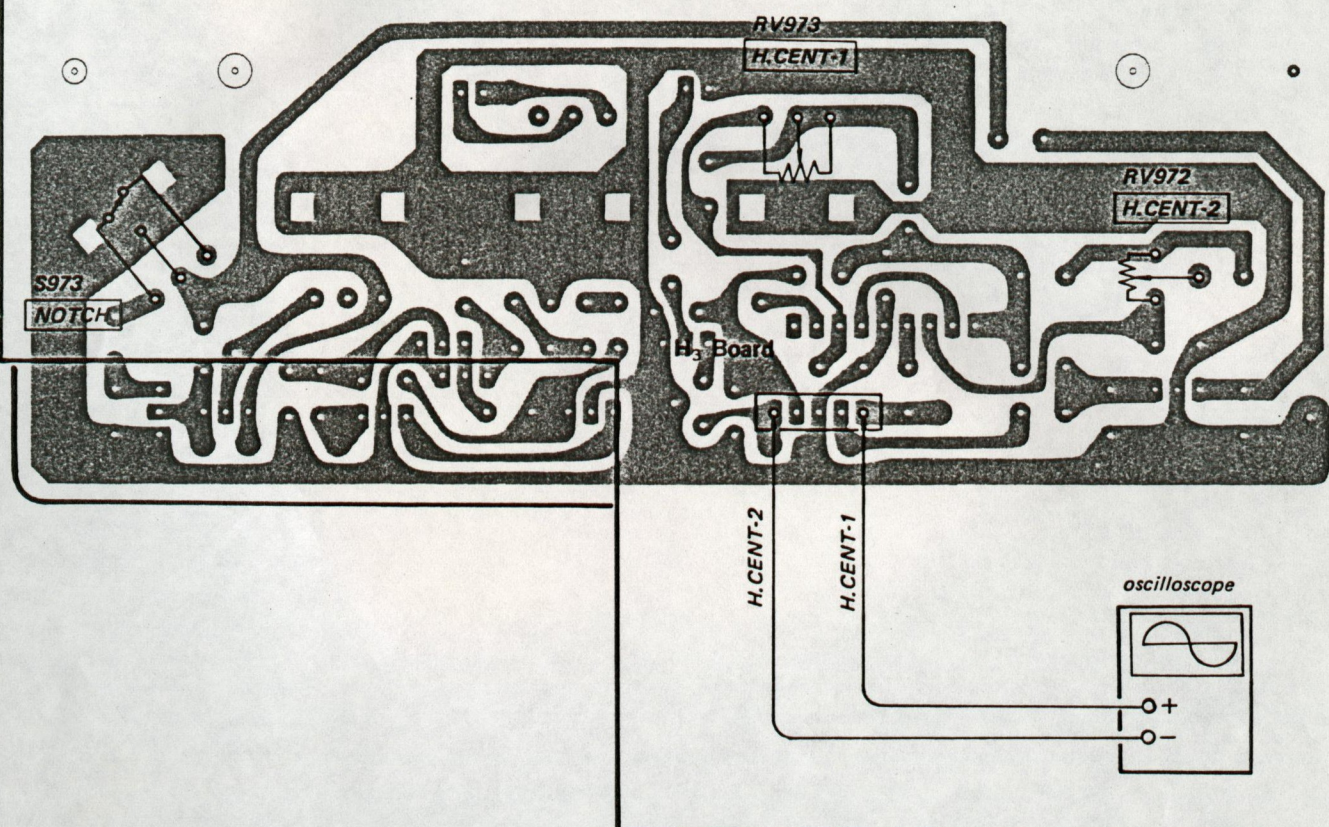
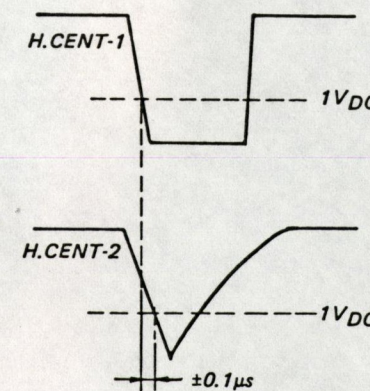


2. Adjust RV554 (H.SIZE) so that H.SIZE is best.
3. Adjust RV555 (H.CENT) so that horizontal position is center.

5-2. H3 BOARD ADJUSTMENT

H. center Adjustment (DIGITAL R,G,B)

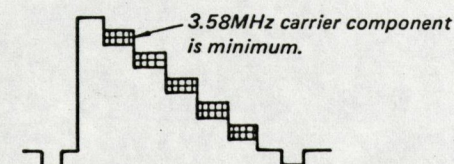
1. Connect to the digital R,G,B output connector of a microcomputer.
2. Press to select the R,G,B mode.
3. Turn the H.CENT VR (REAR CONTROL PANEL) to center position.
4. Connect the oscilloscope to (4) pin H-3 connector and (1) pin H-3 connector.
5. Adjust RV972 (H.CENT-2) so that the phase difference level is $\pm 0.1 \mu s$.



5-3 B1 BOARD ADJUSTMENTS

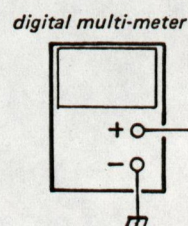
Y Chroma Adjustment

- (Comb Filter Adjustment)
1. Short R310 (JW105) and Q304 emitter.
 2. Input a color bar signal and turn power on.
 3. Connect an oscilloscope to TP13 (Y-OUT), and adjust so that chroma component is minimum on TP-13 waveform while tracking with RV301 (AMP ADJ) and L302 (PHASE ADJ).



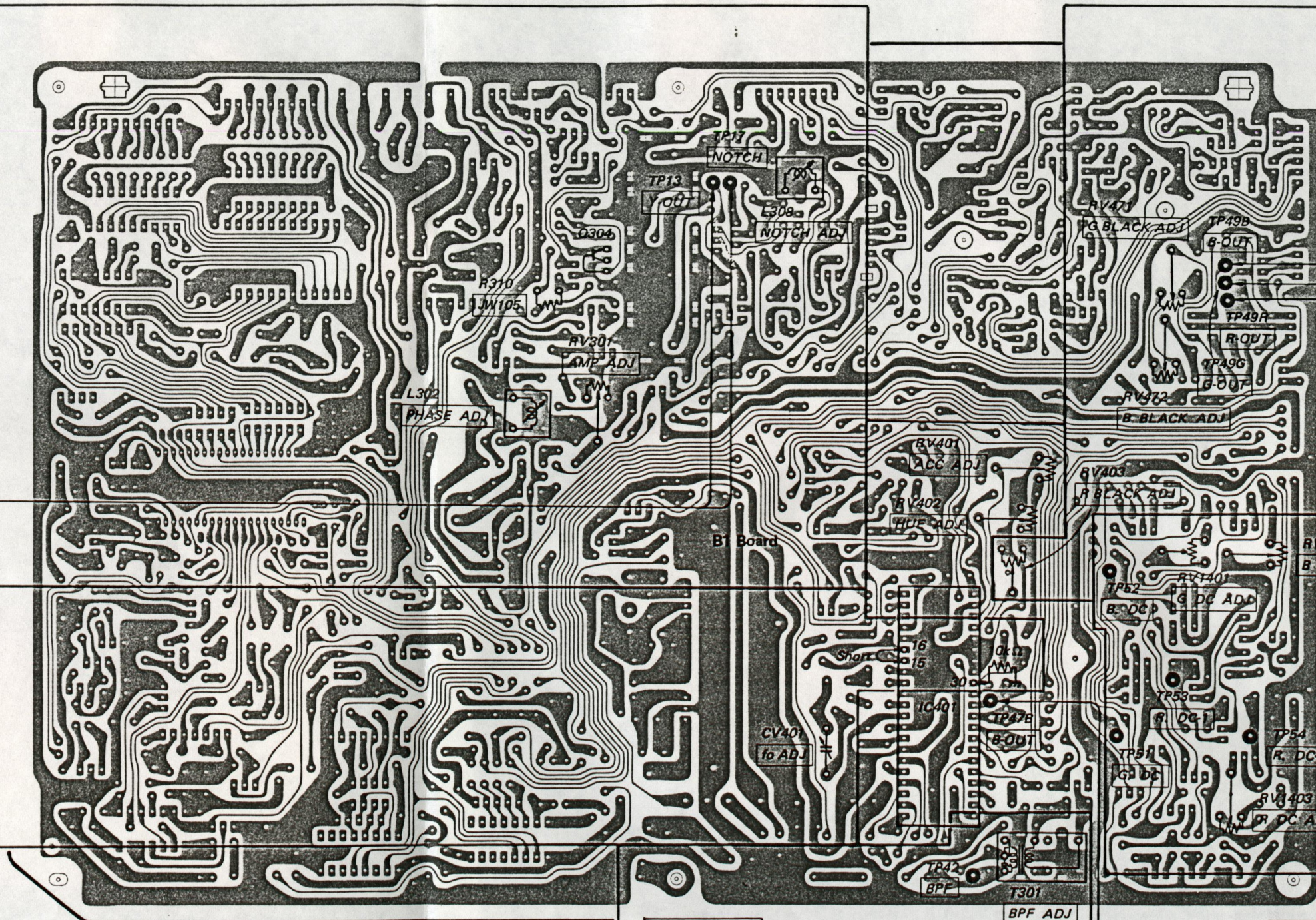
(Notch Adjustment)

4. Short both sides of L302.
5. Adjust L308 (NOTCH ADJ) so that chroma component is minimum for TP17 (NOTCH) waveform.
6. Remove the shorts in steps 1 and 4 after completing adjustment.



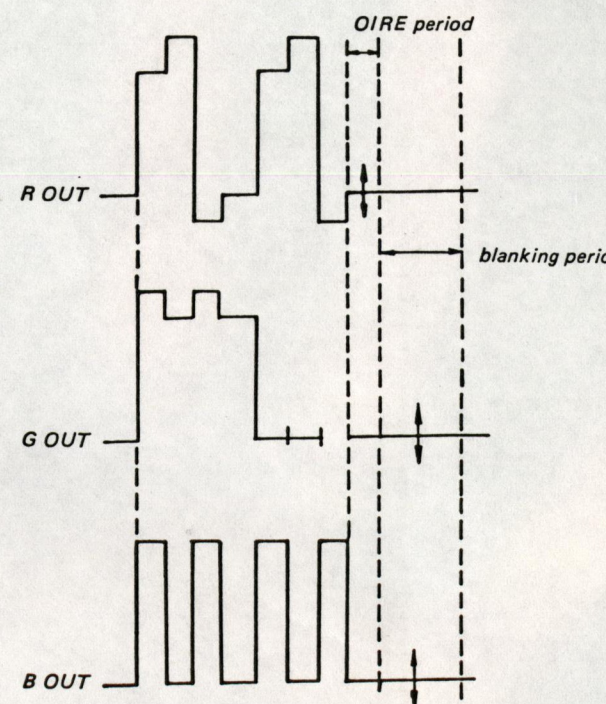
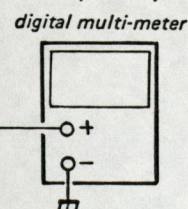
CW Oscillator to Adjustment

1. Input a color bar signal.
2. With user control PICTURE, adjust PICTURE voltage (C124 pin) to 10.5V, and set COLOR, HUE and BRT to standard state by pushing the "RESET" button.
3. Ground IC401 pin(30) via 10kΩ and short IC401 pins (15) and (16).
4. Confirm that color sync is not lined up on the picture.
5. Turn trimmer capacitor CV401 (to adjustment) to get color sync.
6. After adjustment, remove the connections made in step 3.



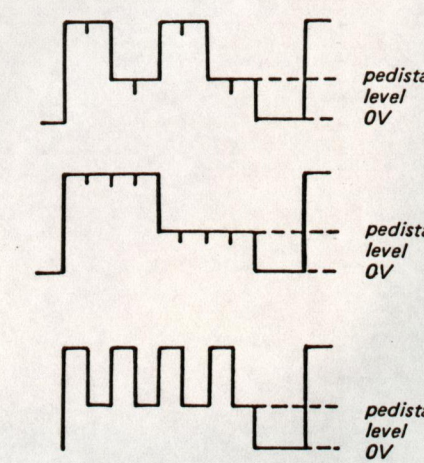
Black Level Adjustment

1. Input a color bar signal and turn the dynamic color switch on the rear of the set off.
2. Adjust blanking period voltage by adjusting RV403 (R BLACK ADJ) so that TP49R (R-OUT) OIRE portion voltage is the same as blanking period voltage.
3. Next adjust TP49G (G-OUT) blanking period voltage and TP49B (B-OUT) blanking period voltage with RV471 (G BLACK ADJ) and RV472 (B BLACK ADJ) respectively.



Dynamic Color Adjustment

1. Input a color bar signal and set PICTURE to minimum. Press "RESET" to set COLOR, HUE and BRT to standard state.
2. Adjust RV1401 (G DC ADJ) and RV1402 (B DC ADJ) so that G.DC (TP-51) and B.DC (TP-52) OIRE portions are the same as R.DC-1 (TP-53) OIRE.
3. Adjust RV1403 (R DC ADJ) so that R.DC-2 (TP-54) DC (dynamic color) level and R.DC-1 (TP-53) OIRE portion are the same.
4. Black level changes in step 3, so repeat the black level and dynamic color adjustments alternately until properly adjusted.

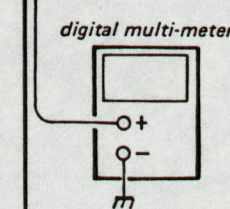


BPT Adjustment

1. Input a video sweep signal. Signal component: 0.5Vp-p; 75 Ω terminated.
2. Turn T301 (BPF ADJ) cores so that BPF output (TP42) is the waveform shown in Figure

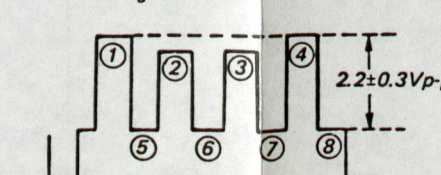
(Adjustment Procedure)

- (1) Turn the orange core so that 3.58MHz and 4.08MHz are the same level.
- (2) Turn the green core so that 3.08MHz is $-0.5 \sim -1.0$ dB from 3.58MHz.
- (3) Repeat steps (1) and (2) several times to adjust to the waveform in Figure



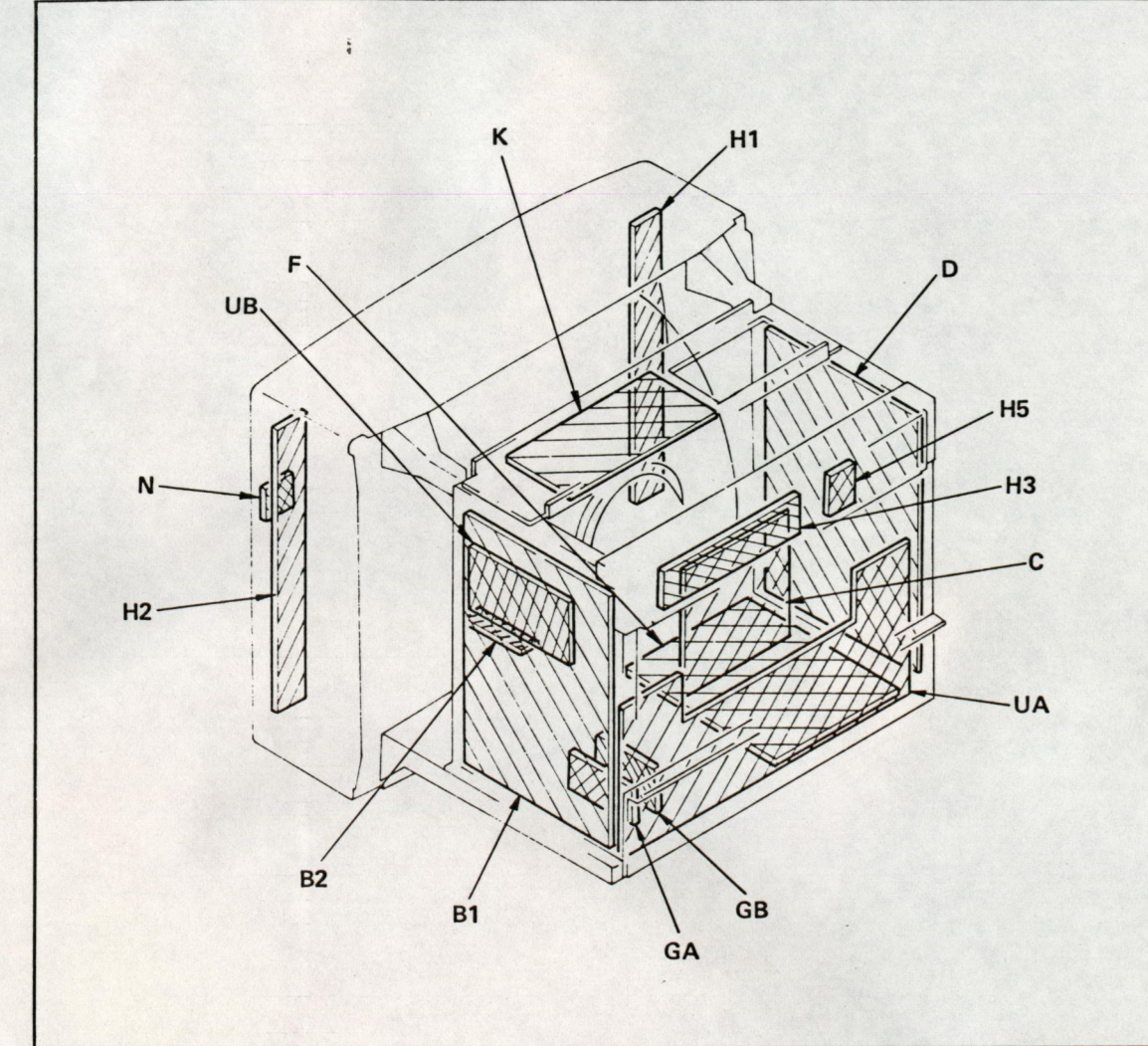
ACC, HUE CENT Adjustment

1. Input a color bar signal and set PICTURE voltage (IC401 pin 18) to 9V DC.
2. Adjust RV401 (ACC ADJ) and RV402 (HUE ADJ) so that IC401 blue output (TP47B) waveform is as shown in Figure

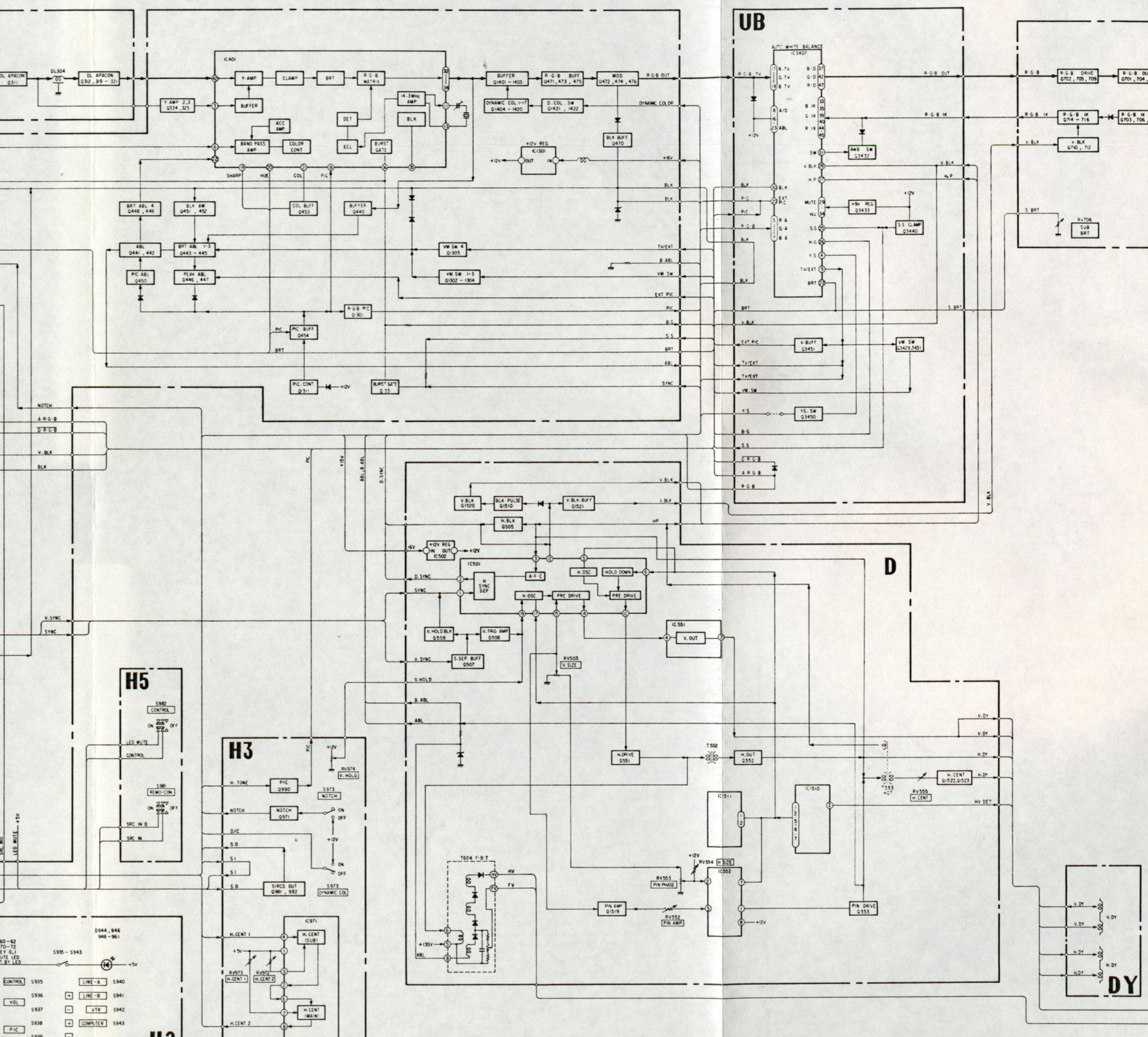
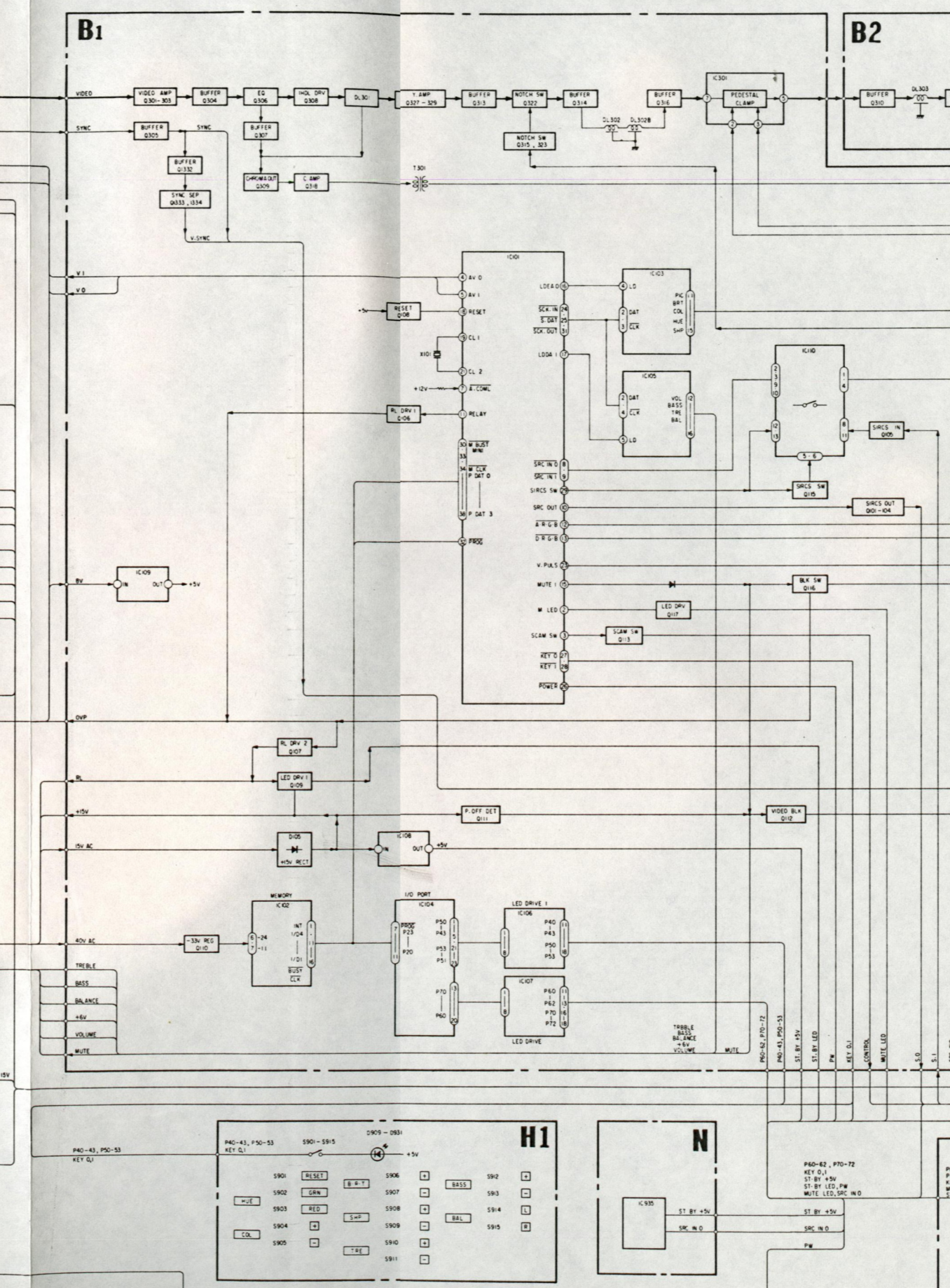
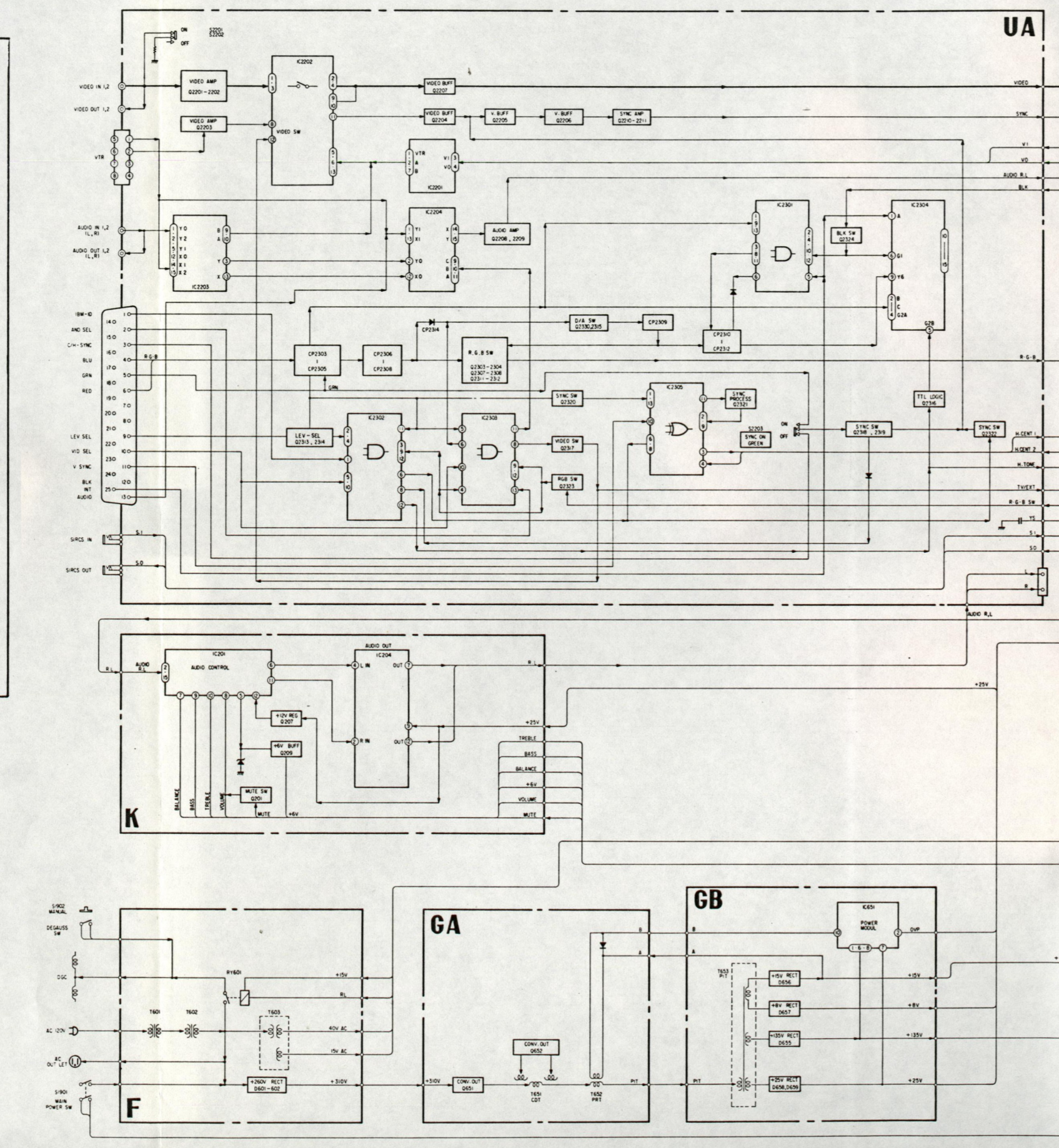


SECTION 6 DIAGRAMS

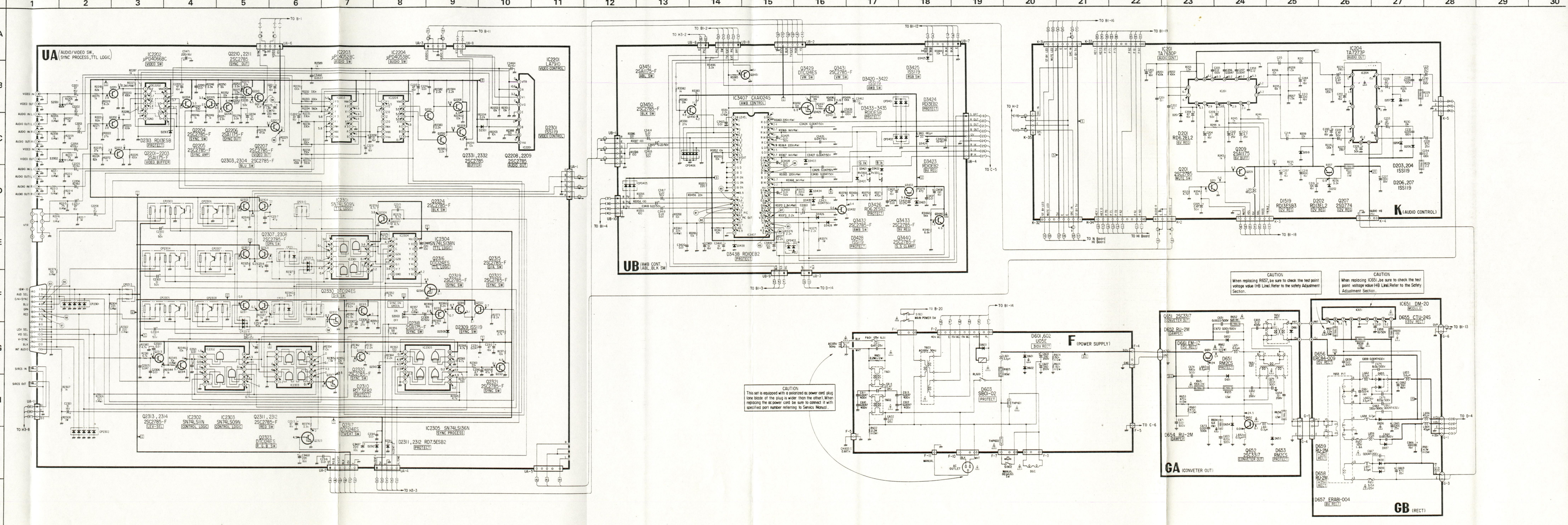
6-1. CIRCUIT BOARD LOCATION



6-2. BLOCK DIAGRAMS



6-3. SCHEMATIC DIAGRAMS (1)



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

Note: Les composants identifiés par une trame et par une marque **A** 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. p: μF 50VW or less are not indicated except for electrolytics.
 - All resistors are in ohms, 1/6W unless otherwise noted. k: 1000 Ω , M: 100k Ω .
 - **R**: nonflammable resistor.
 - All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
 - **F**: fusible resistor.
 - **I**: internal component.
 - **P**: panel designation.
 - The components identified by **A** 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 **A** mark the necessary adjustments indicated. If results do not meet the specified value, change the component identified by **A** and repeat the adjustment until the specified value is achieved. (Refer to R531 adjustment on page 19, 20)
 - When replacing the part in below table, be sure to perform the related adjustment.

Part replaced (A)	Adjustment (B)
D507, D510, D512, IC501, R512, R519, R529, R530, R531, R534, R542, R544, R599, R1501, R5102, R1503, R1539, R1541, R1542, R1569.	R531

- **B+** bus.
- **B-** bus.
- Voltages are dc with respect to ground unless otherwise noted.
- Readings are taken with a 10M Ω digital multimeter.
- Voltage variations may be noted due to normal production tolerances.
- **R**: adjustment to repair.
- Readings are taken with a color-bar-signal input.
- no mark: with NTSC(3.58MHz) color-bar signal received.
- (**D**): with DIGITAL color-bar signal received.
- Circled numbers refer to waveforms.

64. PRINTED WIRING BOARDS (1)

AUDIO/VIDEO SW, SYNC PROCESS, TTL LOGIC.

UA

GA

GB

K

UB

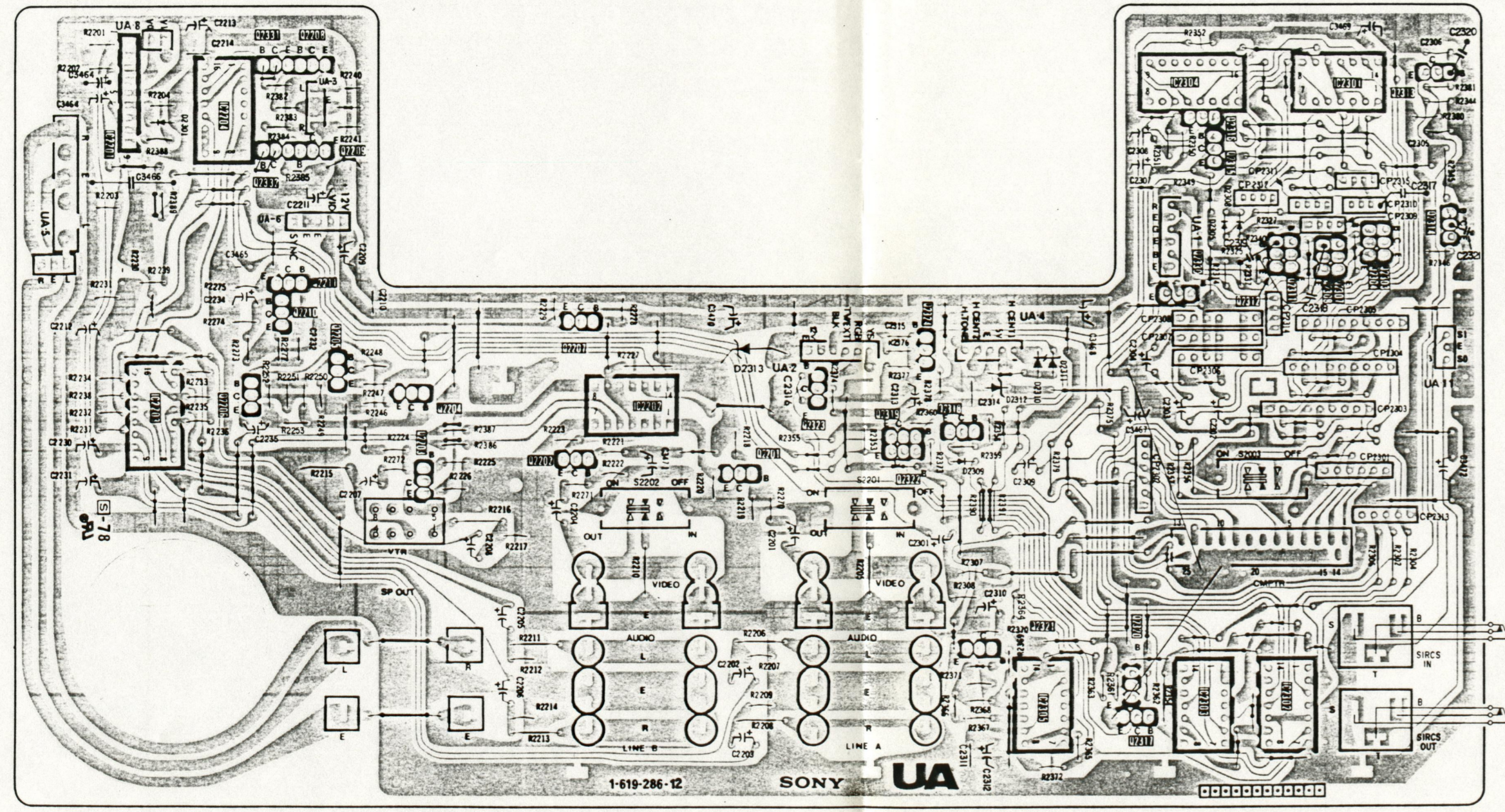
F

[POWER SUPPLY]

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34

A B C D E F G H I J

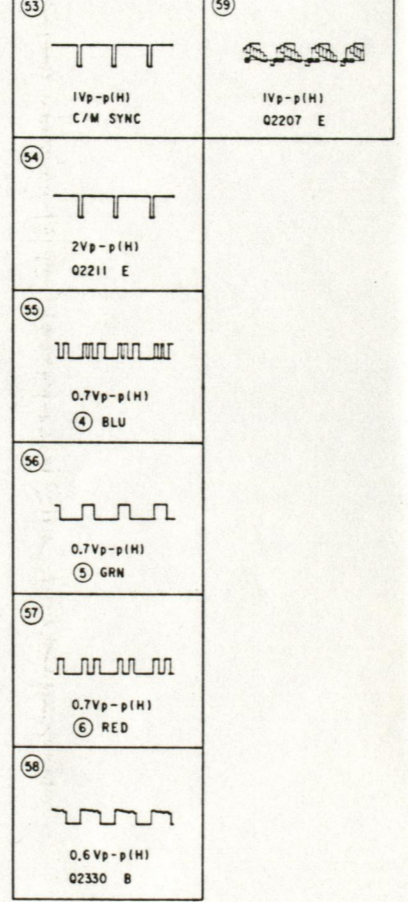
- UA Board -



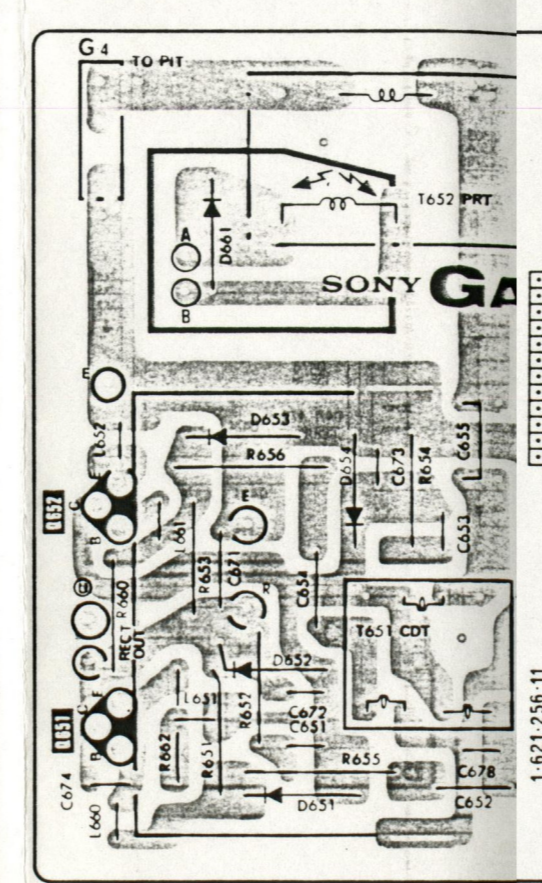
1-619-286-12

SONY UA

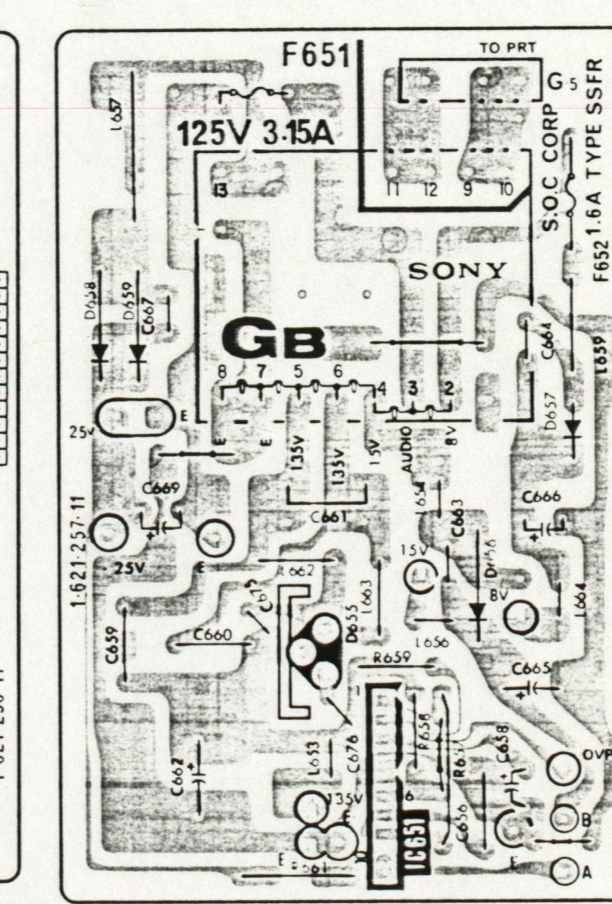
[UA BOARD]



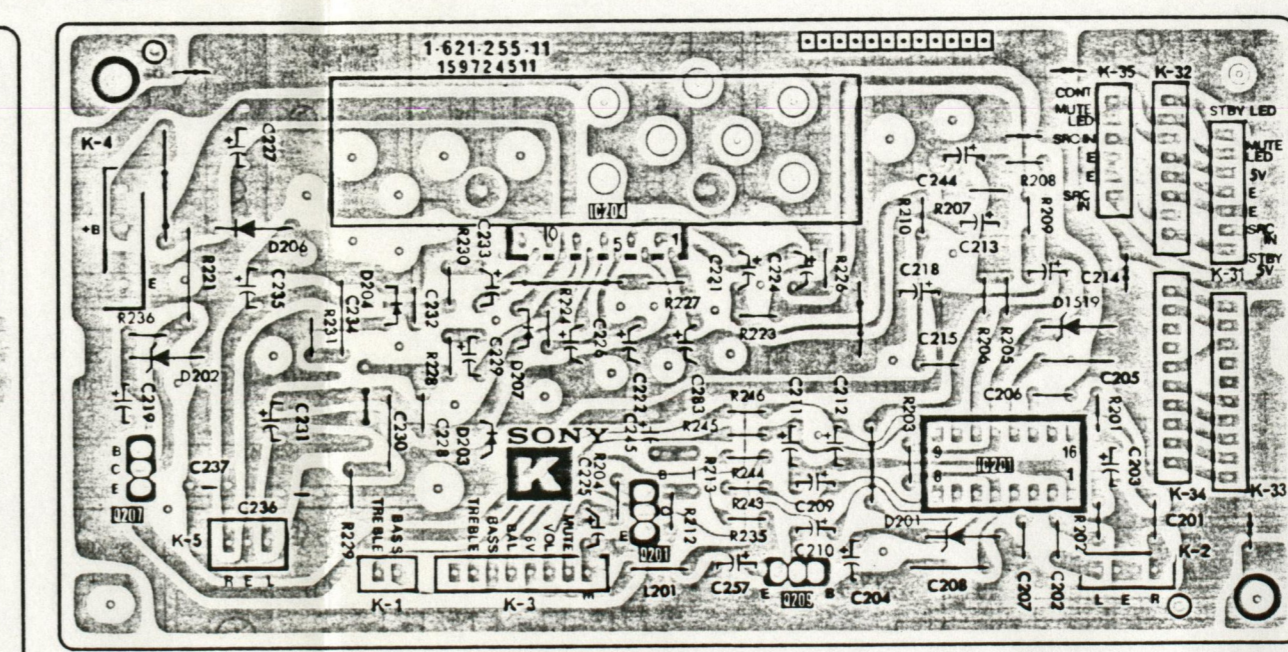
- GA Board -



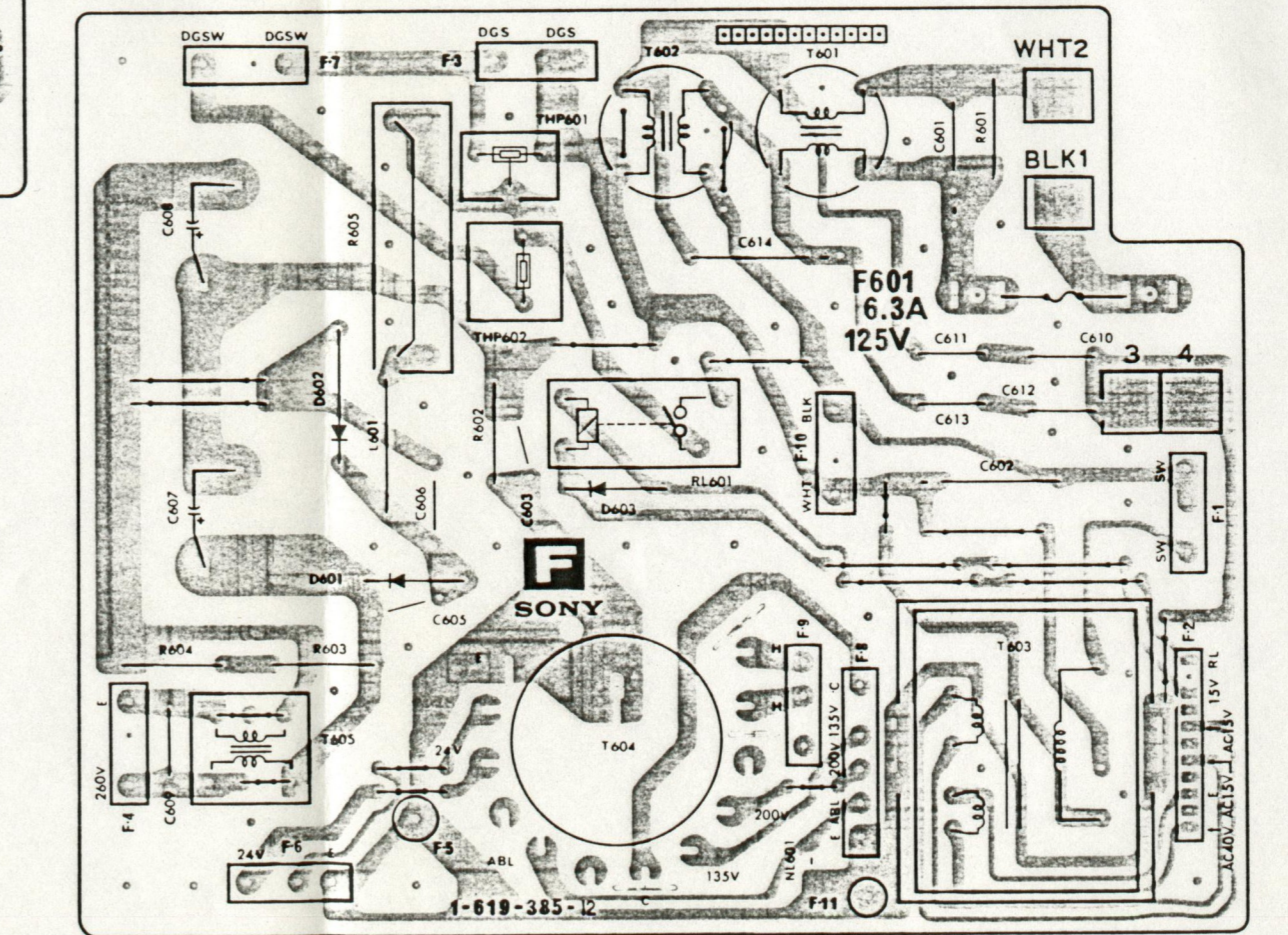
- GB Board -



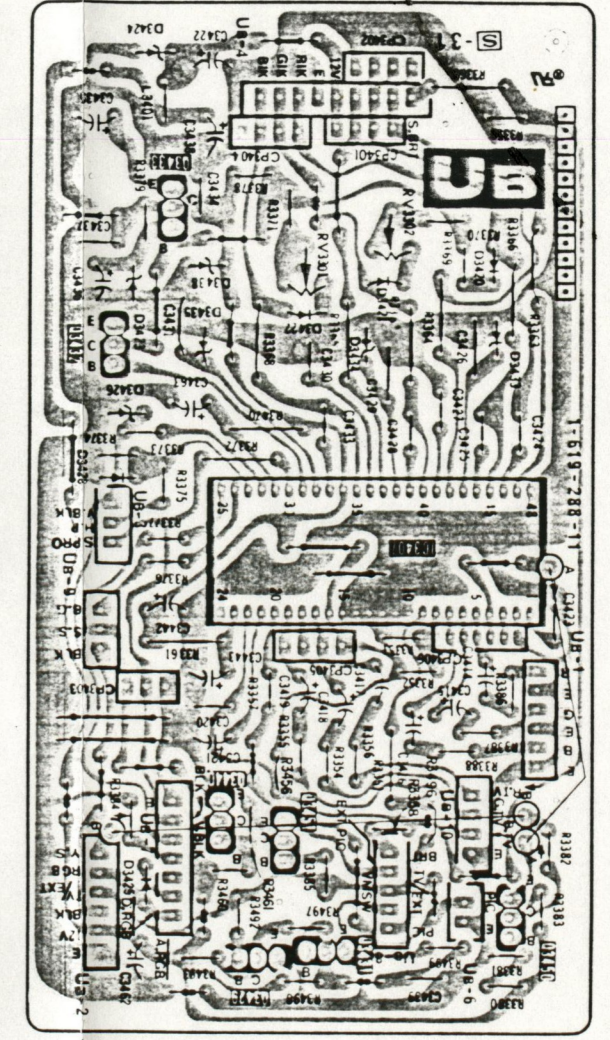
- K Board -



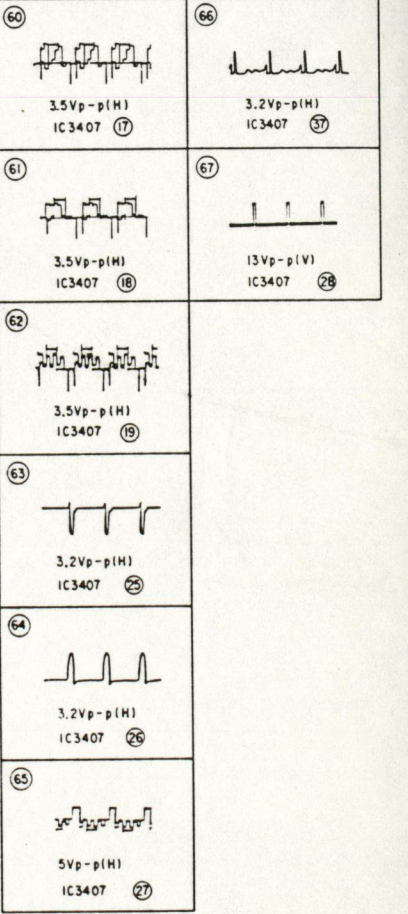
- F Board -



- UB Board -



[UB BOARD]

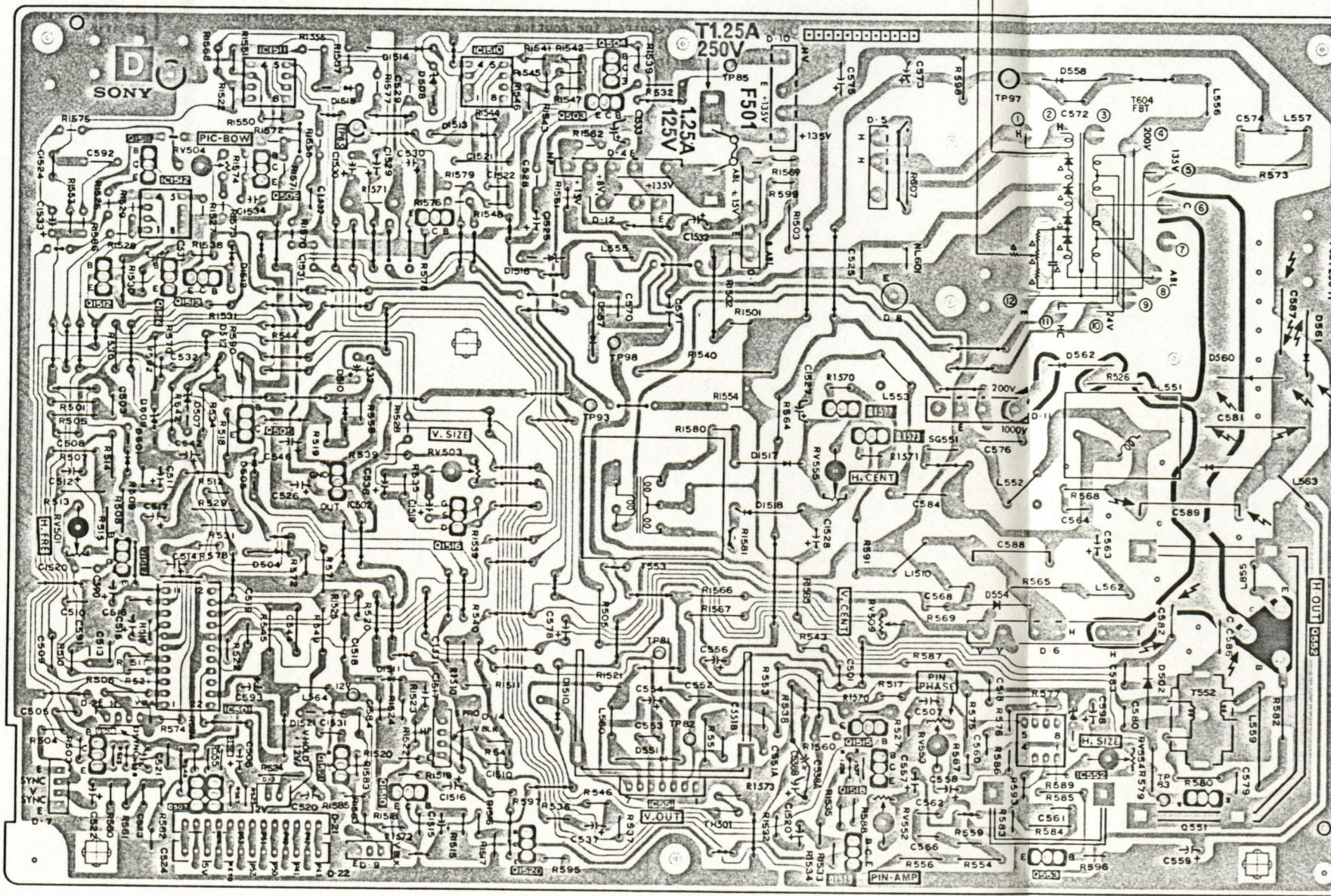


6-6. PRINTED WIRING BOARDS (2)

[H. OSC OUT] [V. OSC OUT] [D] [B2] [DL APACON] [B1] [VIDEO D/A CONVERT, AUDIO CONVERT, REMOCON DECODER, LAST MEMORY, LED DRIVE.] [C] [R-G-B OUT] [N] [REMOCON, HEAD AMP.]

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35

- D Board -

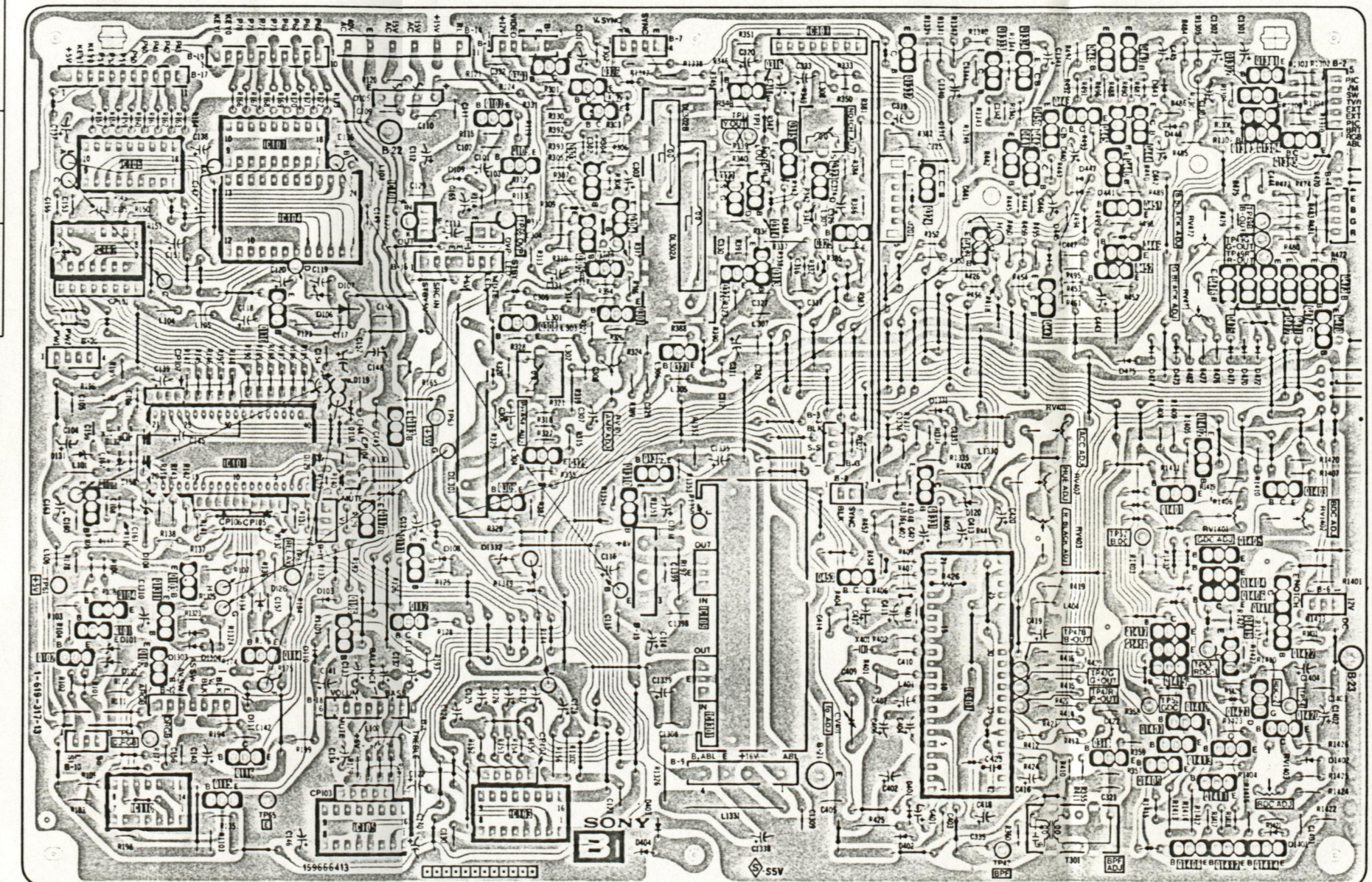


IC, Q	D	ADJ	TP
IC150	1514		97
IC151	558		
	1513		85
	1516		
	557		96
	512		560
	507		93
	509		
	1517	RV555	
	505	RV503	
	1518		
	504	RV501	
	554	RV509	
	552		
	502	IC501	81
	1510		
	1521	RV553	82
	1521	RV554	83
	508		
	1521		
	1501		
	506		
	507		
	1519		
	1520		
	553		

[D BOARD]

25	1.8Vp-p(H) IC501 ①	32	1.5Vp-p(V) IC501 ②	39	14Vp-p(H) 0552 B	46	30Vp-p(H) 01523 C
26	1.8Vp-p(H) IC501 ②	33	0.8Vp-p(V) IC501 ③	40	1140Vp-p(H) 0552 C	47	1Vp-p(H) 01522 B
27	1.5Vp-p(H) 0508 C	34	4.2Vp-p(H) 0505 B	41	130Vp-p(V) IC551 ②	48	2.1Vp-p(V) TPB1
28		35		42			
29	2Vp-p(V) 0508 B	36	10Vp-p(V) 01510 C	43	2.4Vp-p(V) IC551 ③		
30		37		44			
31	2.2Vp-p(V) 0507 B	38	5.8Vp-p(V) 01521 E	45	1Vp-p(V) IC552 ②		
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- B1 Board -



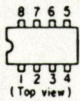
Q	IC	D	ADJ	TP
443	IC301			
443	IC302			
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443	IC306			
443	IC307			
443	IC308			
443	IC309			
443	IC310			
443	IC311			
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443	IC378			
443	IC379			
443	IC380			
443	IC381			
443	IC382			
443	IC383			
443	IC384			
443	IC385			
443	IC386			
443	IC387			
443	IC388			
443	IC389			
443	IC390			
443	IC391			
443	IC392			
443	IC393			
443	IC394			
443	IC395			
443	IC396			
443	IC397			
443	IC398			
443	IC399			
443	IC400			
443	IC401			
443	IC402			
443	IC403			
443	IC404			
443	IC405			

6-8. SEMICONDUCTORS

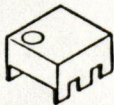
BA236
CX20125
LA7910



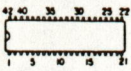
BA4558
HA17558
NJM4558D
μPC4558D



BX1387

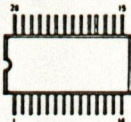


CX-848
HD74LS136P
HD74LS138P
HD14052BP
MB84052B
MC14052BCP
SN74LS136N
SN74LS138N
TA7630P
TC4052BP
μPD4052BC
μPD6250C
μPD6325C
μPD6326C



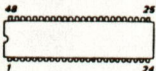
(Top view)

CX7947



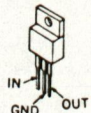
(Top view)

CXA1024S

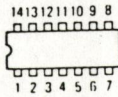


(Top view)

HA17812P
NJM7805A
NJM7812A
TA78012AP
μPC7805H
μPC78012AP



HD74LS09P
HD74LS11P
HD14066BP
LC4066B
MB84066B
MC14066BCP
SN74LS09N
SN74LS11N
TC4066BP
μPD4066BC

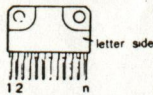


(Top view)

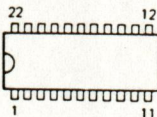
NJM78L05A
TA78L005AP
μPC78L05A



TA7273P

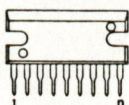


μPC1377C

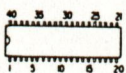


(Top view)

μPC1378H

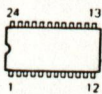


μPD7508HCU-222



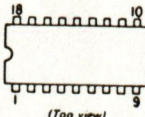
(Top view)

μPD8243C



(Top view)

μPD62381P



(Top view)

2SA933
2SA1091
2SC2551



2SA1048
2SA1115
2SC1740
2SC2458
2SC2603
DTC124ES



2SA1175
2SC2785



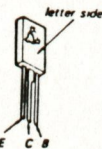
2SB733
2SB734
2SD774



2SC1652



2SC2611
2SC2688



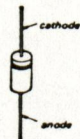
2SC3317
2SD1134



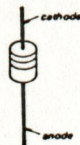
2SD1555



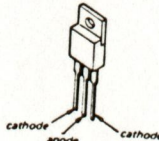
ISS83
10E2
EM1Z
ERB12-02
ERD28-08S
GP08DPKG23
RD3.6EL1TN
RD5.6EB27S
RD6.2EL2
RD13EL2
RD13ES-B3
RD27E-B2
RGP01-17PKG23



ISS119
ISS133
ISS148
HZS5.1NB2TD
HZS6.2NB2TD
HZS6.8NTD
HZS7.5NB2TD
HZS13NB3
RD5.1ES-B2
RD6.2ES-B2
RD6.8ES-B
RD7.5ES-B2
RD10ES-B2
RD10ES-T1B
RD13ES-B
RD13ES-B2
RD3.6ES-B2



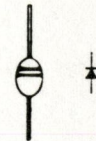
CTU-24S



ERB81-004
ERC84-009
RH-1A
RM-2SC
RU-2M
SIB01-02
SIB01-02V1



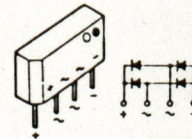
ERC26-15S
U05E
V19E



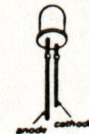
MC911



SIB10-S



SLR-932A



SECTION 7 EXPLODED VIEWS

NOTE:

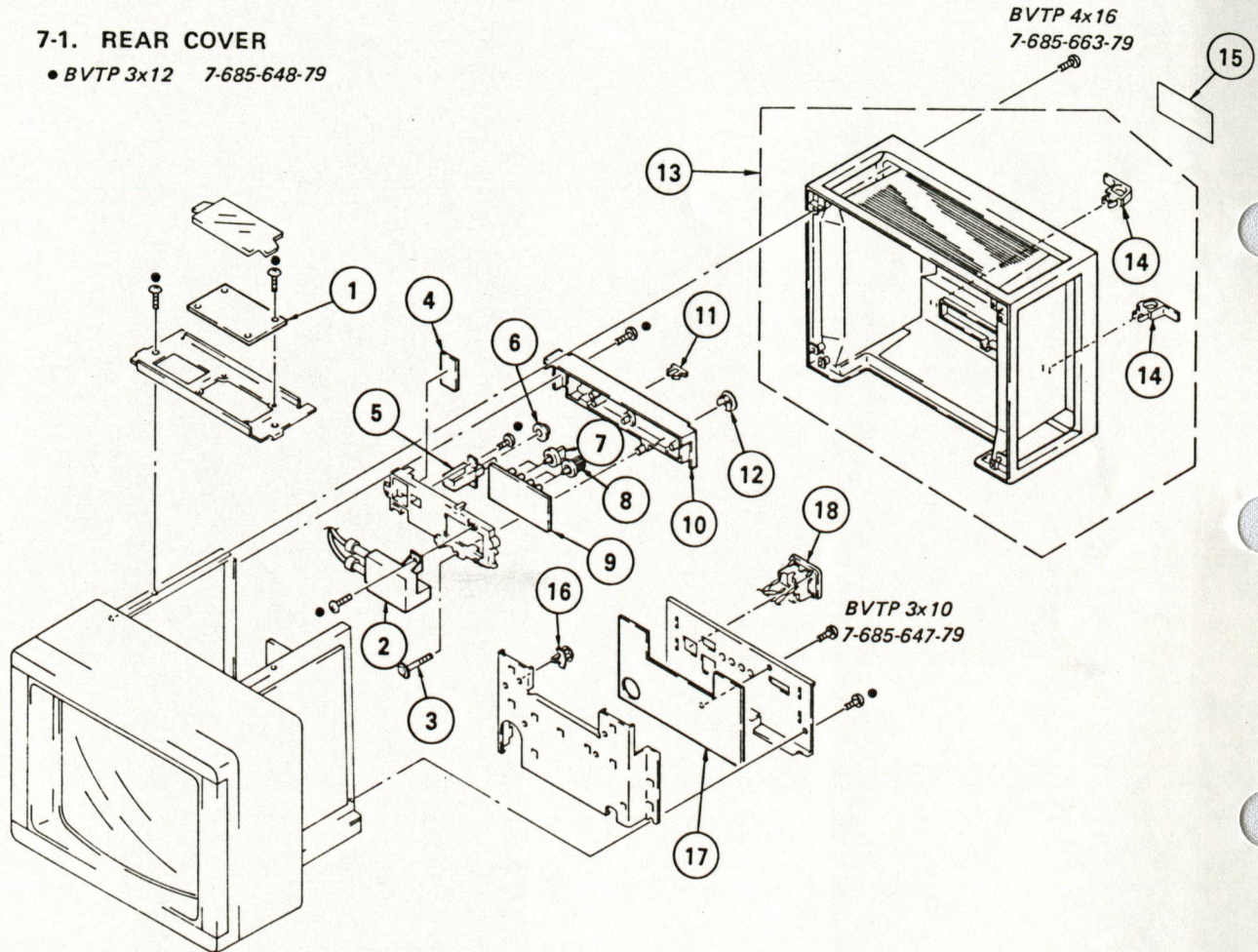
- The mechanical parts with no reference number in the exploded views are not supplied.
- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The construction parts of an assembled part are indicated with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

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.

7-1. REAR COVER

- BVTP 3x12 7-685-648-79



No.	Part No.	Description	Remark	No.	Part No.	Description	Remark
1	*A-1389-843-A	K BOARD, COMPLETE		11	4-371-176-01	CAP, SQUARE (FOR BLACK)	
2	▲1-237-614-11	RESISTOR ASSY, HIGH-VOLTAGE			4-371-176-11	CAP, SQUARE (FOR WHITE)	
3	4-319-520-11	SCREW, SPECIAL (+PW4X30)		12	4-371-181-01	CAP (FOR BLACK)	
4	*1-620-766-11	H5 BOARD			4-371-181-11	CAP (FOR WHITE)	
5	▲1-570-757-11	SWITCH, PUSH (DEGAUSS SWITCH)		13	X-4374-166-2	COVER ASSY, REAR (FOR BLACK)	14
6	4-381-168-01	BUTTON, DEGAUSSING (FOR BLACK)			X-4374-166-4	COVER ASSY, REAR (FOR WHITE)	14
	4-381-168-11	BUTTON, DEGAUSSING (FOR WHITE)		14	4-316-003-21	HOLDER, CORD (FOR BLACK)	
7	4-381-167-01	KNOB (B), CONTROL (FOR BLACK)			4-316-003-31	HOLDER, CORD (FOR WHITE)	
	4-381-167-11	KNOB (B), CONTROL (FOR WHITE)		15	*4-383-127-01	LABEL, MODEL NUMBER (LARGE)	
8	4-381-166-01	KNOB (A), CONTROL (FOR BLACK)		16	*3-670-570-11	SPACER, SUPPORT	
	4-381-166-11	KNOB (A), CONTROL (FOR WHITE)		17	*A-1373-059-A	UA BOARD, COMPLETE	
9	*A-1375-064-A	H3 BOARD, COMPLETE		18	▲1-526-920-12	AC OUTLET (WITH EARTH)	
10	4-382-035-11	PANEL, CONTROL (FOR BLACK)					
	4-382-035-31	PANEL, CONTROL (FOR WHITE)					

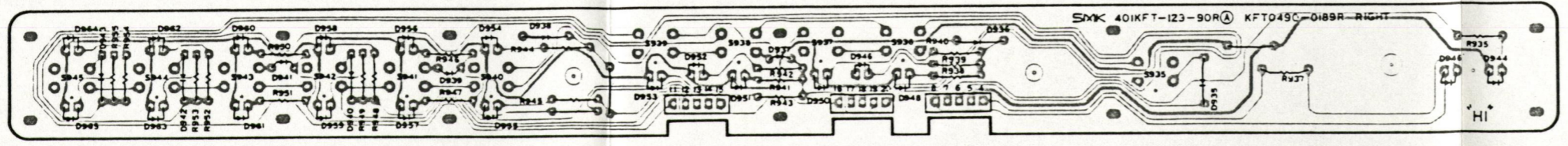
H1 [INDICATOR] **H2** [INDICATOR] **H3** [H. CENT] **H5** [SWITCH]

6-7. PRINTED WIRING BOARDS (3)

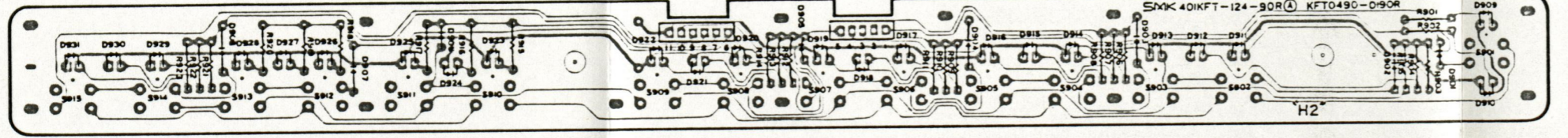
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

A
B
C
D
E
F
G
H
I
J

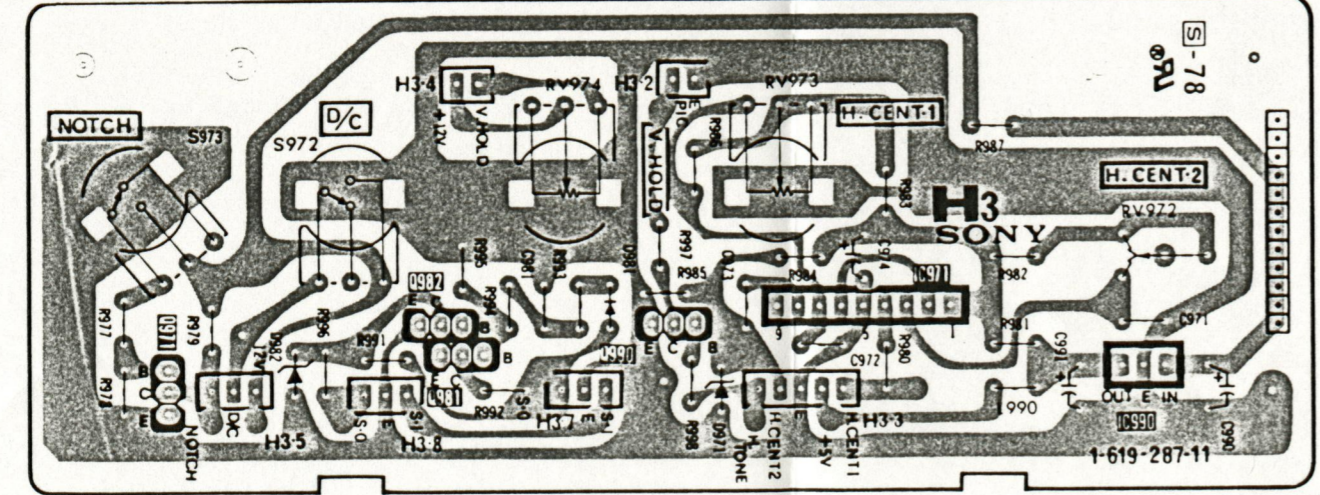
H₁ Board



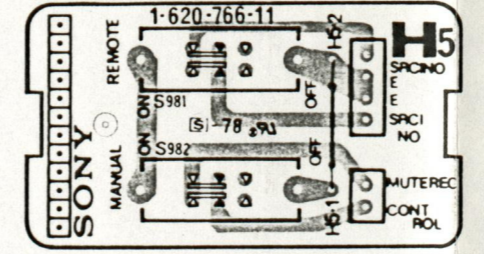
H₂ Board



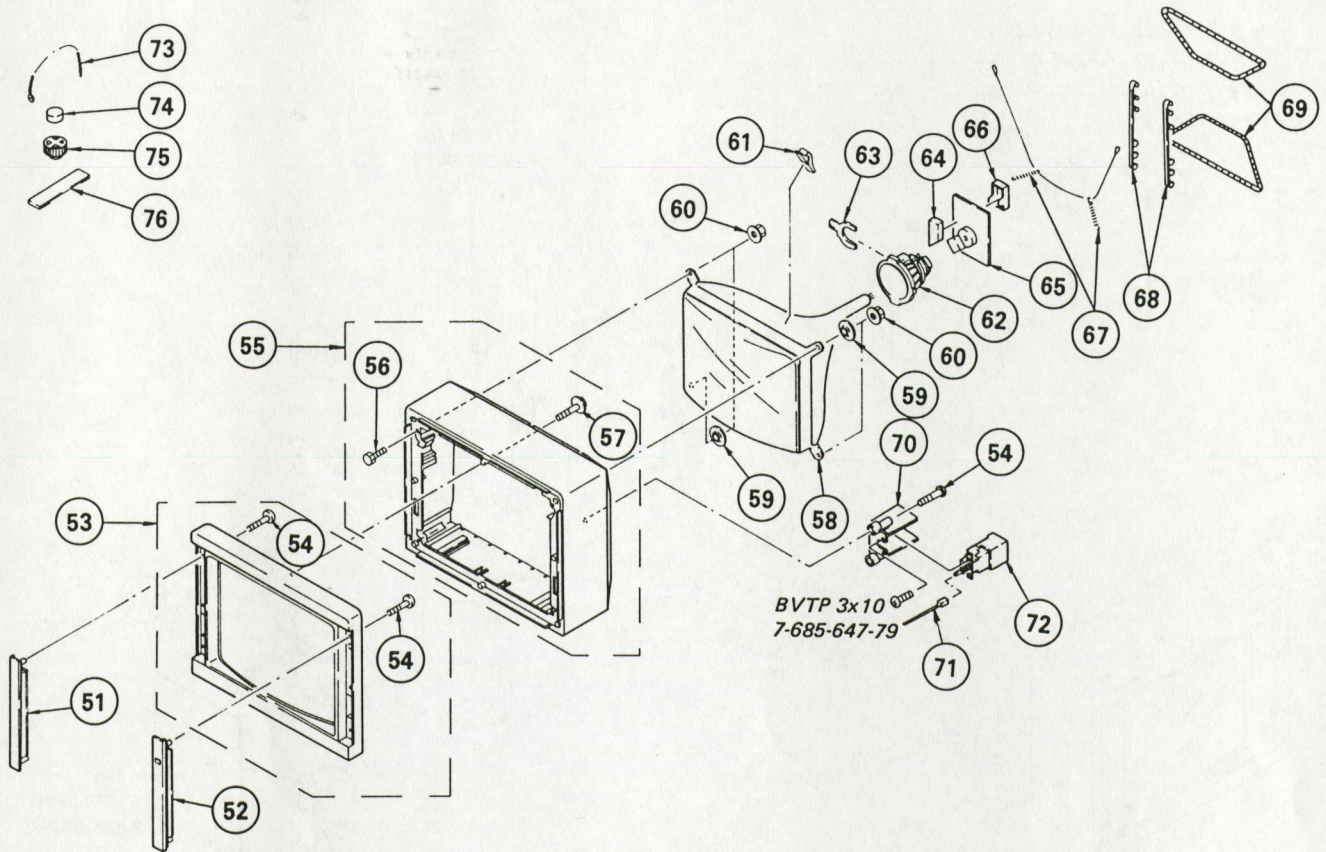
H₃ Board



H₅ Board



7-2. CRT



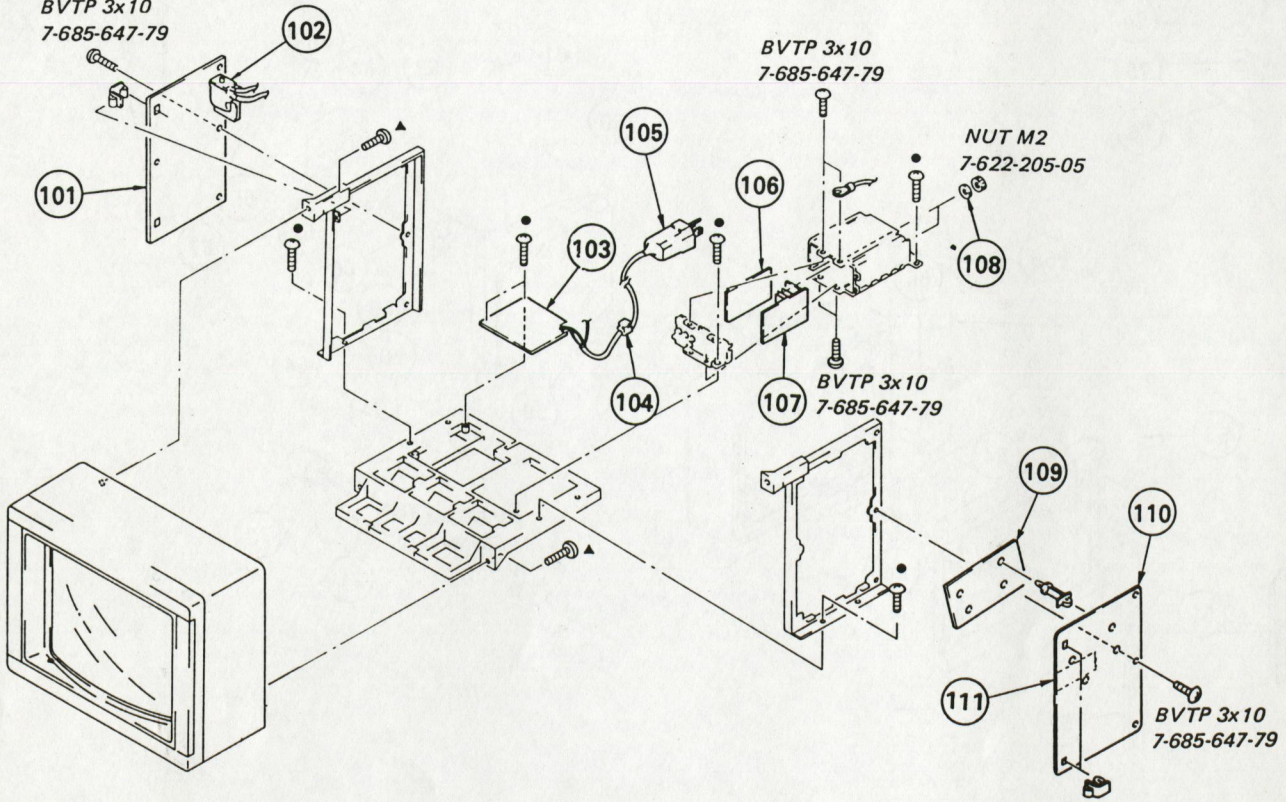
No.	Part No.	Description	Remark	No.	Part No.	Description	Remark
51	1-464-771-11	KEY BOARD UNIT (A)		63	1-452-277-00	MAGNET, BMC	
52	1-464-772-11	KEY BOARD UNIT (B)		64	*4-379-167-01	COVER (MAIN), CV	
53	X-4374-164-2	BEZEL ASSY (FOR BLACK)		65	*A-1330-776-A	C BOARD, COMPLETE	
	X-4374-164-3	BEZEL ASSY (FOR WHITE)	54	66	*4-379-160-01	COVER (REAR LID), CV	
54	3-703-083-00	+ BV 3X25	54	67	4-369-318-00	SPRING, TENSION	
55	X-4374-165-2	CABINET ASSY (FOR BLACK)	56, 57	68	*4-369-319-00	BAND, COIL	
	X-4374-165-3	CABINET ASSY (FOR WHITE)	56, 57	69	△.1-426-301-11	COIL, DEMAGNETIZATION	
56	3-703-025-12	BOLT M5, HEXAGON-HEAD		70	*4-383-128-01	COVER, MAIN SWITCH	
57	4-319-520-00	SCREW, SPECIAL (+PW4X30)		71	*4-371-182-01	SHAFT	
58	△.8-736-955-05	CRT (A51JKQ10X)		72	△.1-554-965-12	SWITCH, PUSH (AC POWER)(1 KEY)	
59	4-373-615-02	WASHER, CRT POSITIONING		73	4-308-870-00	CLIP, LEAD WIRE	
60	4-306-034-00	FLANGE NUT, (B) 5MM		74	1-452-032-00	MAGNET, DISK; 10MM ∅	
61	3-703-003-00	SPACER, DY		75	1-452-094-00	MAGNET, ROTATABLE DISK; 15MM ∅	
62	△.1-451-295-11	DEFLECTION YOKE (SY-153E)		76	X-4308-815-0	PERMALLOY ASSY, CONVERGENCE	

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.

7-3. CHASSIS

- BVTP 3x12 7-685-648-79
- ▲ BVTP 4x12 7-685-661-14
- BVTP 3x10
7-685-647-79

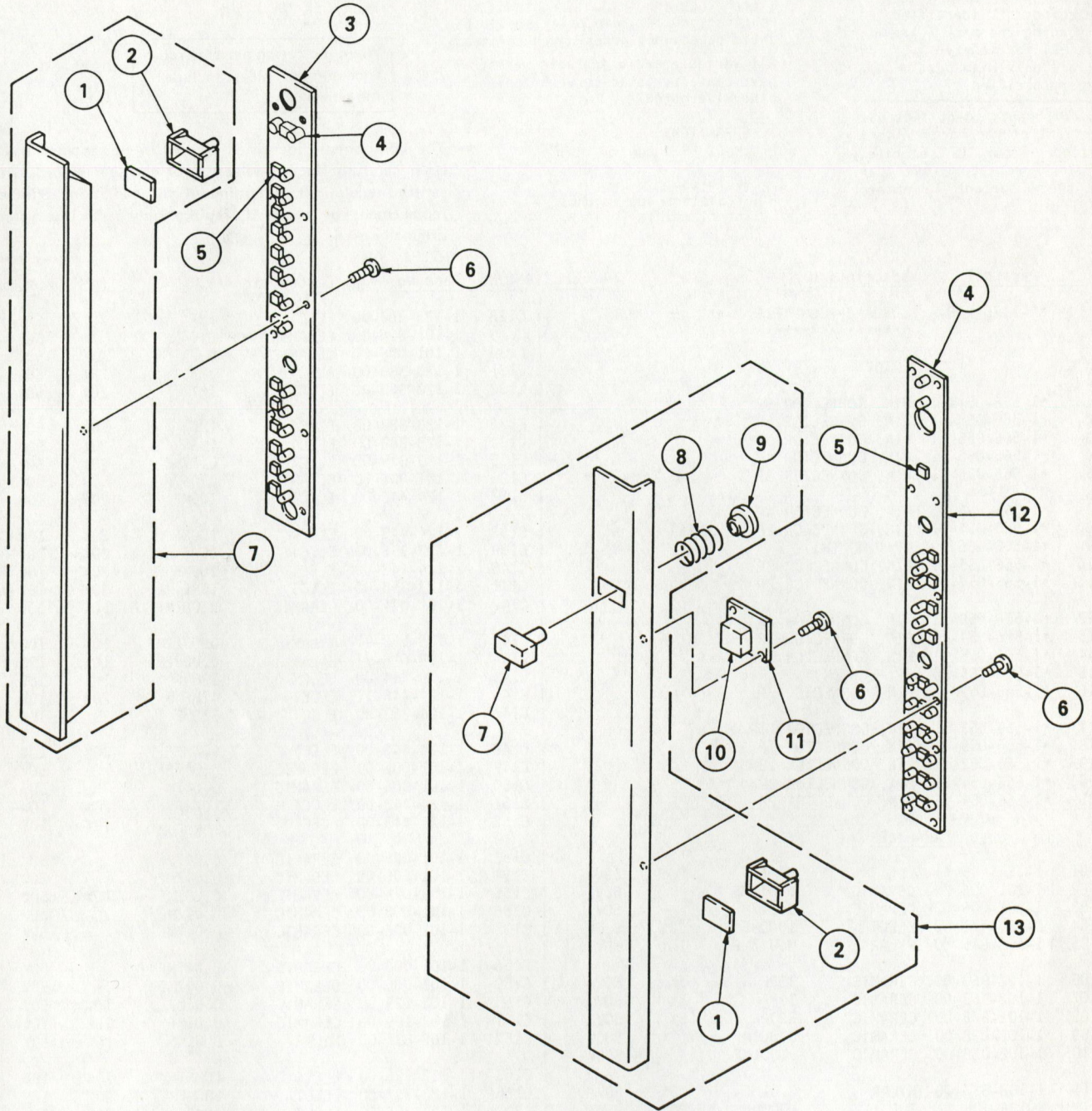


No.	Part No.	Description	Remark	No.	Part No.	Description	Remark
101	*A-1345-691-A	D BOARD, COMPLETE		106	*1-621-257-11	GB BOARD	
102	▲ 1-439-372-31	TRANSFORMER ASSY, FLYBACK		107	*1-621-256-11	GA BOARD	
103	*1-619-385-11	F BOARD		108	3-845-490-00	WASHER	
104	▲ *4-371-185-02	BUSHING, AC CORD		109	*A-1373-060-A	UB BOARD, COMPLETE	111
105	▲ 1-557-970-11	CORD, POWER		110	*A-1135-438-A	B BOARD, COMPLETE	
				111	*1-619-318-11	B2 BOARD	

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.

7-4. KEY BOARD



No.	Part No.	Description	Remark	No.	Part No.	Description	Remark
1	9-990-892-01	ILLUMINATOR A		1	9-990-892-01	ILLUMINATOR A	
2	9-990-891-01	REFLECTOR A		2	9-990-891-01	REFLECTOR A	
3	*9-990-890-01	H1 BOARD		4	9-990-895-01	SPACER	
4	9-990-895-01	SPACER		5	1-553-766-00	MT SWITCH(KEY BOARD SWITCH)	
5	1-553-766-00	MT SWITCH(KEY BOARD SWITCH)		6	9-990-894-01	TAPPING SCREW	
6	9-990-894-01	TAPPING SCREW		7	9-992-250-01	KEY TOP	
7	9-992-018-01	FRAME D ASSY	1,2	8	9-990-902-01	COIL SPRING	
				9	9-990-900-01	STOPPER	
				10	8-741-138-70	DETECTOR (BX1387)	
				11	*9-990-898-01	N BOARD	
				12	*9-990-906-01	H2 BOARD	
				13	9-992-019-01	FRAME ASSY	1,2,7,8,9

B

SECTION 8 ELECTRICAL PARTS LIST

NOTE:

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 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.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

COILS

- MMH : mH, UH : μ H

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

- CAPACITORS**
- MF : μ F, PF : μ μ F
- RESISTORS**
- All resistors are in ohms
 - F : nonflammable

- The components identified by **X** 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
*A-1135-438-A	B BOARD, COMPLETE	*****		C128	1-123-380-00	ELECT 1MF	20% 50V
CONNECTOR				C129	1-101-006-00	CERAMIC 0.047MF	50V
B1	*1-566-057-11	PIN, CONNECTOR 5P		C130	1-101-006-00	CERAMIC 0.047MF	50V
B2	*1-566-057-11	PIN, CONNECTOR 5P		C131	1-123-380-00	ELECT 1MF	20% 50V
B3	*1-566-055-11	PIN, CONNECTOR 3P		C132	1-123-380-00	ELECT 1MF	20% 50V
B4	*1-566-056-11	PIN, CONNECTOR 4P		C133	1-123-380-00	ELECT 1MF	20% 50V
B6	*1-566-055-11	PIN, CONNECTOR 3P		C134	1-123-380-00	ELECT 1MF	20% 50V
B7	*1-566-056-11	PIN, CONNECTOR 4P		C135	1-123-379-00	ELECT 0.47MF	20% 50V
B8	*1-566-054-11	PIN, CONNECTOR 2P		C136	1-101-006-00	CERAMIC 0.047MF	50V
B9	*1-508-766-00	4P PUG (M)		C137	1-124-443-00	ELECT 100MF	20% 10V
B10	*1-566-055-11	PIN, CONNECTOR 3P		C138	1-124-443-00	ELECT 100MF	20% 10V
B11	*1-566-054-11	PIN, CONNECTOR 2P		C139	1-123-356-00	ELECT 10MF	20% 16V
B12	*1-566-059-11	PIN, CONNECTOR 7P		C140	1-124-443-00	ELECT 100MF	20% 10V
B13	*1-566-054-11	PIN, CONNECTOR 2P		C141	1-123-356-00	ELECT 10MF	20% 16V
B14	*1-566-063-11	PIN, CONNECTOR 11P		C142	1-102-074-00	CERAMIC 0.001MF	10% 50V
B15	*1-508-765-00	3P PUG (M)		C143	1-108-618-91	MYLAR 0.0022MF	10% 100V
B16	*1-566-059-11	PIN, CONNECTOR 7P		C144	1-108-618-91	MYLAR 0.0022MF	10% 100V
B17	*1-566-063-11	PIN, CONNECTOR 11P		C145	1-119-354-00	ELECT 330MF	10V
B18	*1-566-059-11	PIN, CONNECTOR 7P		C146	1-124-446-11	ELECT 47MF	20% 10V
B19	*1-566-062-11	PIN, CONNECTOR 10P		C147	1-124-363-00	ELECT 330MF	20% 10V
B20	*1-566-054-11	PIN, CONNECTOR 2P		C148	1-124-443-00	ELECT 100MF	20% 10V
B21	*1-566-054-11	PIN, CONNECTOR 2P		C149	1-101-006-00	CERAMIC 0.047MF	50V
CAPACITOR				C150	1-101-006-00	CERAMIC 0.047MF	50V
C101	1-124-446-11	ELECT 47MF	20% 10V	C151	1-124-443-00	ELECT 100MF	20% 10V
C102	1-101-006-00	CERAMIC 0.047MF	50V	C152	1-124-443-00	ELECT 100MF	20% 10V
C103	1-101-006-00	CERAMIC 0.047MF	50V	C153	1-101-006-00	CERAMIC 0.047MF	50V
C104	1-124-471-00	ELECT 1000MF	20% 6.3V	C154	1-101-006-00	CERAMIC 0.047MF	50V
C105	1-108-845-00	MYLAR 0.047MF	10% 50V	C155	1-102-074-00	CERAMIC 0.001MF	10% 50V
C106	1-102-963-00	CERAMIC 33PF	5% 50V	C156	1-101-006-00	CERAMIC 0.047MF	50V
C107	1-102-963-00	CERAMIC 33PF	5% 50V	C157	1-101-006-00	CERAMIC 0.047MF	50V
C108	1-102-978-00	CERAMIC 220PF	5% 50V	C158	1-101-006-00	CERAMIC 0.047MF	50V
C109	1-102-038-00	CERAMIC 0.001MF	500V	C159	1-101-006-00	CERAMIC 0.047MF	50V
C110	1-102-038-00	CERAMIC 0.001MF	500V	C160	1-102-129-00	CERAMIC 0.01MF	10% 50V
C111	1-108-837-00	MYLAR 0.01MF	10% 50V	C161	1-102-129-00	CERAMIC 0.01MF	10% 50V
C112	1-126-105-11	ELECT 1000MF	20% 35V	C162	1-108-837-00	MYLAR 0.01MF	10% 50V
C113	1-123-356-00	ELECT 10MF	20% 16V	C163	1-123-356-00	ELECT 10MF	20% 16V
C114	1-123-324-00	ELECT 1000MF	20% 16V	C165	1-123-307-00	ELECT 100MF	20% 10V
C115	1-108-837-00	MYLAR 0.01MF	10% 50V	C301	1-123-356-00	ELECT 10MF	20% 16V
C116	1-124-444-00	ELECT 220MF	20% 10V	C302	1-102-961-00	CERAMIC 27PF	5% 50V
C117	1-102-038-00	CERAMIC 0.001MF	500V	C303	1-123-356-00	ELECT 10MF	20% 16V
C118	1-123-360-00	ELECT 100MF	20% 50V	C304	1-102-971-00	CERAMIC 82PF	5% 50V
C119	1-123-356-00	ELECT 10MF	20% 50V	C305	1-102-971-00	CERAMIC 82PF	5% 50V
C120	1-123-356-00	ELECT 10MF	20% 50V	C306	1-123-380-00	ELECT 1MF	20% 50V
C121	1-123-318-00	ELECT 33MF	20% 16V	C307	1-123-380-00	ELECT 1MF	20% 50V
C122	1-123-356-00	ELECT 10MF	20% 16V	C308	1-102-978-00	CERAMIC 220PF	5% 50V
C123	1-101-006-00	CERAMIC 0.047MF	50V	C311	1-123-330-00	ELECT 22MF	20% 16V
C124	1-123-380-00	ELECT 1MF	20% 50V	C312	1-102-971-00	CERAMIC 82PF	5% 50V
C125	1-123-380-00	ELECT 1MF	20% 50V	C316	1-102-858-00	CERAMIC 10PF	0.5PF 50V
C126	1-123-380-00	ELECT 1MF	20% 50V	C317	1-102-858-00	CERAMIC 10PF	0.5PF 50V
C127	1-123-380-00	ELECT 1MF	20% 50V	C318	1-123-380-00	ELECT 1MF	20% 50V
				C320	1-123-356-00	ELECT 10MF	20% 16V
				C321	1-102-888-00	CERAMIC 150PF	5% 50V
				C324	1-101-006-00	CERAMIC 0.047MF	50V

B

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
C325	1-102-973-00	CERAMIC	100PF 5% 50V	C1398	1-102-129-00	CERAMIC	0.01MF 10% 50V
C326	1-123-380-00	ELECT	1MF 20% 50V	C1399	1-102-129-00	CERAMIC	0.01MF 10% 50V
C327	1-102-820-00	CERAMIC	330PF 5% 50V	C1401	1-102-074-00	CERAMIC	0.001MF 10% 50V
C329	1-102-971-00	CERAMIC	82PF 5% 50V	C1402	1-123-332-00	ELECT	47MF 20% 16V
C330	1-102-973-00	CERAMIC	100PF 5% 50V	C1403	1-102-129-00	CERAMIC	0.01MF 10% 50V
C331	1-123-356-00	ELECT	10MF 20% 16V	C1404	1-123-318-00	ELECT	33MF 20% 16V
C332	1-101-006-00	CERAMIC	0.047MF 50V	C6011	1-162-117-00	CERAMIC	100PF 10% 500V
C333	1-123-356-00	ELECT	10MF 20% 16V	<u>TRIMMER</u>			
C335	1-102-887-00	CERAMIC	47PF 5% 50V	CV401	1-141-147-XX	CAP, TRIMMER	
C401	1-123-330-00	ELECT	22MF 20% 16V	<u>DIODE</u>			
C402	1-123-324-00	ELECT	1000MF 20% 16V	D101	8-719-109-95	DIODE RD6.8ES-B	
C403	1-102-125-00	CERAMIC	0.0047MF 10% 50V	D102	8-719-109-95	DIODE RD6.8ES-B	
C404	1-123-447-00	ELECT	0.22MF 20% 50V	D103	8-719-911-19	DIODE 1SS119	
C405	1-102-129-00	CERAMIC	0.01MF 10% 50V	D104	8-719-101-39	DIODE RD3.6E-L2	
C406	1-123-447-00	ELECT	0.22MF 20% 50V	D105	8-719-511-40	DIODE S1VB40	
C407	1-123-356-00	ELECT	10MF 20% 16V	D106	8-719-200-02	DIODE 10E2	
C409	1-102-945-00	CERAMIC	8PF 0.5PF 50V	D107	8-719-110-83	DIODE RD36ES-B2	
C410	1-102-074-00	CERAMIC	0.001MF 10% 50V	D108	8-719-911-19	DIODE 1SS119	
C411	1-123-379-00	ELECT	0.47MF 20% 50V	D109	8-719-911-19	DIODE 1SS119	
C412	1-123-379-00	ELECT	0.47MF 20% 50V	D110	8-719-911-19	DIODE 1SS119	
C413	1-123-330-00	ELECT	22MF 20% 16V	D111	8-719-100-30	DIODE RD5.1E-B2	
C414	1-124-645-11	ELECT	10MF 20% 16V	D118	8-719-109-93	DIODE RD6.2ES-B2	
C416	1-123-381-00	ELECT	2.2MF 20% 50V	D120	8-719-110-34	DIODE RD13ES-B	
C418	1-123-318-00	ELECT	33MF 20% 16V	D129	8-719-109-93	DIODE RD6.2ES-B2	
C419	1-124-463-00	ELECT	0.1MF 20% 50V	D131	8-719-109-93	DIODE RD6.2ES-B2	
C420	1-124-963-11	ELECT	33MF 20% 16V	D132	8-719-109-93	DIODE RD6.2ES-B2	
C421	1-123-332-00	ELECT	47MF 20% 16V	D401	8-719-911-19	DIODE 1SS119	
C422	1-102-115-00	CERAMIC	560PF 10% 50V	D402	8-719-911-19	DIODE 1SS119	
C423	1-102-962-00	CERAMIC	30PF 5% 50V	D441	8-719-911-19	DIODE 1SS119	
C440	1-123-356-00	ELECT	10MF 20% 16V	D443	8-719-911-19	DIODE 1SS119	
C441	1-124-655-11	ELECT	0.47MF 20% 50V	D444	8-719-911-19	DIODE 1SS119	
C442	1-123-332-00	ELECT	47MF 20% 16V	D445	8-719-911-19	DIODE 1SS119	
C443	1-123-381-00	ELECT	2.2MF 20% 50V	D470	8-719-911-19	DIODE 1SS119	
C444	1-102-129-00	CERAMIC	0.01MF 10% 50V	D471	8-719-911-19	DIODE 1SS119	
C445	1-124-478-11	ELECT	100MF 20% 25V	D472	8-719-911-19	DIODE 1SS119	
C446	1-123-379-00	ELECT	0.47MF 20% 50V	D473	8-719-911-19	DIODE 1SS119	
C447	1-102-973-00	CERAMIC	100PF 5% 50V	D474	8-719-911-19	DIODE 1SS119	
C1301	1-123-330-00	ELECT	22MF 20% 16V	D475	8-719-911-19	DIODE 1SS119	
C1302	1-124-963-11	ELECT	33MF 20% 16V	D1303	8-719-911-19	DIODE 1SS119	
C1303	1-123-380-00	ELECT	1MF 20% 50V	D1304	8-719-911-19	DIODE 1SS119	
C1308	1-101-006-00	CERAMIC	0.047MF 50V	D1331	8-719-911-19	DIODE 1SS119	
C1309	1-102-129-00	CERAMIC	0.01MF 10% 50V	D1332	8-719-100-30	DIODE RD5.1E-B2	
C1310	1-123-332-00	ELECT	47MF 20% 16V	D1401	8-719-911-19	DIODE 1SS119	
C1333	1-108-617-91	MY_AR	0.0018MF 10% 100V	D1402	8-719-911-19	DIODE 1SS119	
C1336	1-108-618-91	MY_AR	0.0022MF 10% 100V	<u>DELAY LINE</u>			
C1338	1-124-478-11	ELECT	100MF 20% 25V	DL301	1-415-280-00	DELAY LINE (1H)	
C1339	1-123-321-00	ELECT	220MF 20% 16V	DL302A	1-415-530-11	DELAY LINE, Y	
C1340	1-123-380-00	ELECT	1MF 20% 50V	DL302B	1-415-531-11	DELAY LINE, Y	
C1341	1-123-380-00	ELECT	1MF 20% 50V				
C1342	1-108-630-91	MY_AR	0.022MF 10% 100V				
C1343	1-136-165-00	FI_M	0.1MF 5% 50V				
C1344	1-102-973-00	CERAMIC	100PF 5% 50V				
C1345	1-108-622-91	MY_AR	0.0047MF 10% 100V				

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

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

B

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
<u>IC</u>							
IC101	8-759-105-89	IC UPD7508HCU-222		Q113	8-729-113-32	TRANSISTOR 2SB733	
IC102	8-759-102-12	IC UPD6250C		Q115	8-729-900-36	TRANSISTOR DTC124ES	
IC103	8-759-102-28	IC UPD6326C		Q116	8-729-117-54	TRANSISTOR 2SA1175	
IC104	8-759-182-43	IC UPD8243C(M)		Q117	8-729-178-54	TRANSISTOR 2SC2785	
IC105	8-759-104-05	IC UPD6325C		Q301	8-729-178-54	TRANSISTOR 2SC2785	
IC106	8-759-207-07	IC TD62381P		Q302	8-729-178-54	TRANSISTOR 2SC2785	
IC107	8-759-207-07	IC TD62381P		Q303	8-729-178-54	TRANSISTOR 2SC2785	
IC108	8-759-108-05	IC UPC78L05A		Q304	8-729-117-54	TRANSISTOR 2SA1175	
IC109	8-759-171-05	IC UPC7805H		Q305	8-729-117-54	TRANSISTOR 2SA1175	
IC110	8-759-140-66	IC UPD4066BC		Q306	8-729-178-54	TRANSISTOR 2SC2785	
IC301	8-759-913-11	IC CX20125		Q307	8-729-178-54	TRANSISTOR 2SC2785	
IC401	8-758-480-00	IC CX848		Q308	8-729-178-54	TRANSISTOR 2SC2785	
IC1301	8-759-700-06	IC NJM7812B		Q309	8-729-178-54	TRANSISTOR 2SC2785	
<u>JACK</u>							
J201	*1-564-529-11	CONNECTOR, BOARD TO BOARD 5P		Q313	8-729-178-54	TRANSISTOR 2SC2785	
<u>COIL</u>							
L101	1-407-708-00	MICRO INDUCTOR 180UH		Q314	8-729-178-54	TRANSISTOR 2SC2785	
L102	1-407-708-00	MICRO INDUCTOR 180UH		Q315	8-729-900-36	TRANSISTOR DTC124ES	
L103	1-408-424-00	MICRO INDUCTOR 180UH		Q316	8-729-178-54	TRANSISTOR 2SC2785	
L104	1-408-424-00	MICRO INDUCTOR 180UH		Q318	8-729-178-54	TRANSISTOR 2SC2785	
L105	1-408-424-00	MICRO INDUCTOR 180UH		Q322	8-729-600-12	TRANSISTOR 2SK108	
L106	1-408-424-00	MICRO INDUCTOR 180UH		Q323	8-729-600-12	TRANSISTOR 2SK108	
L301	1-408-412-00	MICRO INDUCTOR 18UH		Q324	8-729-178-54	TRANSISTOR 2SC2785	
L302	1-407-571-00	COIL, VARIABLE 22UH		Q325	8-729-178-54	TRANSISTOR 2SC2785	
L303	1-408-412-00	MICRO INDUCTOR 18UH		Q326	8-729-178-54	TRANSISTOR 2SC2785	
L304	1-408-411-00	MICRO INDUCTOR 15UH		Q327	8-729-178-54	TRANSISTOR 2SC2785	
L305	1-408-411-00	MICRO INDUCTOR 15UH		Q328	8-729-178-54	TRANSISTOR 2SC2785	
L306	1-408-417-00	MICRO INDUCTOR 47UH		Q329	8-729-117-54	TRANSISTOR 2SA1175	
L307	1-408-412-00	MICRO INDUCTOR 18UH		Q440	8-729-178-54	TRANSISTOR 2SC2785	
L308	1-409-193-00	COIL 3.58MHZ TRAP		Q441	8-729-117-54	TRANSISTOR 2SA1175	
L401	1-408-398-00	MICRO INDUCTOR 1.2UH		Q442	8-729-178-54	TRANSISTOR 2SC2785	
L402	1-408-398-00	MICRO INDUCTOR 1.2UH		Q443	8-729-178-54	TRANSISTOR 2SC2785	
L404	1-408-398-00	MICRO INDUCTOR 1.2UH		Q444	8-729-117-54	TRANSISTOR 2SA1175	
L1330	1-408-236-00	MICRO INDUCTOR 2.7MMH		Q445	8-729-117-54	TRANSISTOR 2SA1175	
L1331	1-407-364-00	COIL, SPOOK CHOKE 3.3UH		Q446	8-729-178-54	TRANSISTOR 2SC2785	
<u>TRANSISTOR</u>							
Q101	8-729-117-54	TRANSISTOR 2SA1175		Q447	8-729-178-54	TRANSISTOR 2SC2785	
Q102	8-729-117-54	TRANSISTOR 2SA1175		Q448	8-729-178-54	TRANSISTOR 2SC2785	
Q103	8-729-178-54	TRANSISTOR 2SC2785		Q449	8-729-117-54	TRANSISTOR 2SA1175	
Q104	8-729-178-54	TRANSISTOR 2SC2785		Q450	8-729-178-54	TRANSISTOR 2SC2785	
Q105	8-729-178-54	TRANSISTOR 2SC2785		Q451	8-729-117-54	TRANSISTOR 2SA1175	
Q106	8-729-117-54	TRANSISTOR 2SA1175		Q452	8-729-178-54	TRANSISTOR 2SC2785	
Q107	8-729-178-54	TRANSISTOR 2SC2785		Q453	8-729-117-54	TRANSISTOR 2SA1175	
Q108	8-729-178-54	TRANSISTOR 2SC2785		Q454	8-729-117-54	TRANSISTOR 2SA1175	
Q109	8-729-178-54	TRANSISTOR 2SC2785		Q470	8-729-117-54	TRANSISTOR 2SA1175	
Q110	8-729-117-54	TRANSISTOR 2SA1175-F		Q471	8-729-178-54	TRANSISTOR 2SC2785	
Q111	8-729-117-54	TRANSISTOR 2SA1175		Q472	8-729-178-54	TRANSISTOR 2SC2785	
Q112	8-729-178-54	TRANSISTOR 2SC2785		Q473	8-729-178-54	TRANSISTOR 2SC2785	
				Q474	8-729-178-54	TRANSISTOR 2SC2785	
				Q475	8-729-178-54	TRANSISTOR 2SC2785	
				Q476	8-729-178-54	TRANSISTOR 2SC2785	
				Q1301	8-729-178-54	TRANSISTOR 2SC2785	
				Q1302	8-729-117-54	TRANSISTOR 2SA1175	
				Q1303	8-729-178-54	TRANSISTOR 2SC2785	
				Q1304	8-729-178-54	TRANSISTOR 2SC2785	
				Q1305	8-729-178-54	TRANSISTOR 2SC2785	

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 sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

B

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
R181	1-249-421-11	CARBON	2.2K 5% 1/6W	R337	1-247-713-11	CARBON	1K 5% 1/4W
R182	1-249-421-11	CARBON	2.2K 5% 1/6W	R338	1-249-409-11	CARBON	220 5% 1/6W
R183	1-249-433-11	CARBON	22K 5% 1/6W	R339	1-249-417-11	CARBON	1K 5% 1/6W
R184	1-249-437-11	CARBON	47K 5% 1/6W	R340	1-249-417-11	CARBON	1K 5% 1/6W
R185	1-249-417-11	CARBON	1K 5% 1/6W	R341	1-249-441-11	CARBON	100K 5% 1/6W
R186	1-249-417-11	CARBON	1K 5% 1/6W	R342	1-249-441-11	CARBON	100K 5% 1/6W
R187	1-249-417-11	CARBON	1K 5% 1/6W	R343	1-249-429-11	CARBON	10K 5% 1/6W
R188	1-249-417-11	CARBON	1K 5% 1/6W	R344	1-249-441-11	CARBON	100K 5% 1/6W
R189	1-249-417-11	CARBON	1K 5% 1/6W	R345	1-249-419-11	CARBON	1.5K 5% 1/6W
R190	1-249-417-11	CARBON	1K 5% 1/6W	R346	1-249-422-11	CARBON	2.7K 5% 1/6W
R191	1-249-417-11	CARBON	1K 5% 1/6W	R347	1-215-485-00	CARBON	470K 5% 1/6W
R192	1-247-717-11	CARBON	2.2K 5% 1/4W	R348	1-247-842-00	CARBON	3K 5% 1/6W
R193	1-249-425-11	CARBON	4.7K 5% 1/6W	R349	1-215-487-00	CARBON	560K 5% 1/6W
R194	1-249-405-11	CARBON	100 5% 1/6W	R351	1-215-489-00	CARBON	680K 5% 1/6W
R195	1-249-441-11	CARBON	100K 5% 1/6W	R352	1-249-405-11	CARBON	100 5% 1/6W
R196	1-249-405-11	CARBON	100 5% 1/6W	R353	1-249-423-11	CARBON	3.3K 5% 1/6W
R197	1-215-074-00	METAL OX IDE	0.39 5% 2W F	R355	1-249-433-11	CARBON	22K 5% 1/6W
R198	1-249-433-11	CARBON	22K 5% 1/6W	R357	1-249-416-11	CARBON	820 5% 1/6W
R199	1-249-437-11	CARBON	47K 5% 1/6W	R358	1-249-424-11	CARBON	3.9K 5% 1/6W
R301	1-249-411-11	CARBON	330 5% 1/6W	R359	1-249-413-11	CARBON	470 5% 1/6W
R302	1-249-408-11	CARBON	180 5% 1/6W	R360	1-249-418-11	CARBON	1.2K 5% 1/6W
R303	1-249-417-11	CARBON	1K 5% 1/6W	R381	1-249-417-11	CARBON	1K 5% 1/6W
R304	1-249-414-11	CARBON	560 5% 1/6W	R382	1-247-826-00	CARBON	620 5% 1/6W
R305	1-247-836-00	CARBON	1.6K 5% 1/6W	R383	1-247-838-00	CARBON	2K 5% 1/6W
R306	1-249-413-11	CARBON	470 5% 1/6W	R384	1-249-419-11	CARBON	1.5K 5% 1/6W
R307	1-249-438-11	CARBON	56K 5% 1/6W	R385	1-249-434-11	CARBON	27K 5% 1/6W
R308	1-247-862-00	CARBON	20K 5% 1/6W	R386	1-249-432-11	CARBON	18K 5% 1/6W
R309	1-249-417-11	CARBON	1K 5% 1/6W	R387	1-249-413-11	CARBON	470 5% 1/6W
R310	1-249-425-11	CARBON	4.7K 5% 1/6W	R388	1-249-417-11	CARBON	1K 5% 1/6W
R311	1-249-412-11	CARBON	390 5% 1/6W	R389	1-249-416-11	CARBON	820 5% 1/6W
R312	1-247-866-00	CARBON	30K 5% 1/6W	R390	1-247-822-00	CARBON	430 5% 1/6W
R313	1-249-438-11	CARBON	56K 5% 1/6W	R391	1-249-411-11	CARBON	330 5% 1/6W
R314	1-249-413-11	CARBON	470 5% 1/6W	R392	1-249-405-11	CARBON	100 5% 1/6W
R315	1-249-413-11	CARBON	470 5% 1/6W	R393	1-249-405-11	CARBON	100 5% 1/6W
R316	1-249-413-11	CARBON	470 5% 1/6W	R394	1-249-405-11	CARBON	100 5% 1/6W
R317	1-249-422-11	CARBON	2.7K 5% 1/6W	R401	1-249-405-11	CARBON	100 5% 1/6W
R318	1-249-415-11	CARBON	680 5% 1/6W	R402	1-249-412-11	CARBON	390 5% 1/6W
R319	1-247-711-11	CARBON	680 5% 1/4W	R403	1-249-433-11	CARBON	22K 5% 1/6W
R320	1-249-415-11	CARBON	680 5% 1/6W	R404	1-249-416-11	CARBON	820 5% 1/6W
R321	1-249-415-11	CARBON	680 5% 1/6W	R405	1-247-706-11	CARBON	330 5% 1/4W
R322	1-249-403-11	CARBON	68 5% 1/6W	R406	1-249-423-11	CARBON	3.3K 5% 1/6W
R323	1-249-418-11	CARBON	1.2K 5% 1/6W	R407	1-249-409-11	CARBON	220 5% 1/6W
R324	1-249-409-11	CARBON	220 5% 1/6W	R409	1-249-409-11	CARBON	220 5% 1/6W
R325	1-249-409-11	CARBON	220 5% 1/6W	R410	1-249-429-11	CARBON	10K 5% 1/6W
R326	1-249-421-11	CARBON	2.2K 5% 1/6W	R411	1-249-429-11	CARBON	10K 5% 1/6W
R327	1-249-415-11	CARBON	680 5% 1/6W	R412	1-249-405-11	CARBON	100 5% 1/6W
R328	1-249-411-11	CARBON	330 5% 1/6W	R413	1-249-409-11	CARBON	220 5% 1/6W
R329	1-249-415-11	CARBON	680 5% 1/6W	R414	1-247-704-11	CARBON	220 5% 1/4W
R330	1-249-437-11	CARBON	47K 5% 1/6W	R415	1-247-704-11	CARBON	220 5% 1/4W
R331	1-249-433-11	CARBON	22K 5% 1/6W	R416	1-247-704-11	CARBON	220 5% 1/4W
R333	1-249-409-11	CARBON	220 5% 1/6W	R418	1-249-405-11	CARBON	100 5% 1/6W
R335	1-249-417-11	CARBON	1K 5% 1/6W	R419	1-215-493-00	CARBON	1M 5% 1/6W
R336	1-249-417-11	CARBON	1K 5% 1/6W	R420	1-247-725-11	CARBON	10K 5% 1/4W

B

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
R421	1-247-162-00	CARBON	20K 5% 1/4W	R1301	1-247-704-11	CARBON	220 5% 1/4W
R422	1-247-725-11	CARBON	10K 5% 1/4W	R1302	1-249-431-11	CARBON	15K 5% 1/6W
R423	1-247-172-00	CARBON	51K 5% 1/4W	R1303	1-249-430-11	CARBON	12K 5% 1/6W
R424	1-247-849-00	CARBON	5.6K 5% 1/6W	R1304	1-215-471-00	CARBON	120K 5% 1/6W
R425	1-247-725-11	CARBON	10K 5% 1/4W	R1305	1-215-477-00	CARBON	220K 5% 1/6W
R426	1-247-849-00	CARBON	5.6K 5% 1/6W	R1306	1-215-477-00	CARBON	220K 5% 1/6W
R440	1-249-421-11	CARBON	2.2K 5% 1/6W	R1307	1-249-433-11	CARBON	22K 5% 1/6W
R441	1-249-423-11	CARBON	3.3K 5% 1/6W	R1308	1-249-429-11	CARBON	10K 5% 1/6W
R442	1-249-437-11	CARBON	47K 5% 1/6W	R1309	1-249-433-11	CARBON	22K 5% 1/6W
R443	1-249-435-11	CARBON	33K 5% 1/6W	R1310	1-249-433-11	CARBON	22K 5% 1/6W
R444	1-215-460-00	CARBON	43K 5% 1/6W	R1322	1-249-421-11	CARBON	2.2K 5% 1/6W
R445	1-249-426-11	CARBON	5.6K 5% 1/6W	R1323	1-215-481-00	CARBON	330K 5% 1/6W
R452	1-249-441-11	CARBON	100K 5% 1/6W	R1324	1-215-481-00	CARBON	330K 5% 1/6W
R453	1-249-411-11	CARBON	330 5% 1/6W	R1325	1-249-417-11	CARBON	1K 5% 1/6W
R454	1-247-826-00	CARBON	620 5% 1/6W	R1334	1-249-421-11	CARBON	2.2K 5% 1/6W
R455	1-249-409-11	CARBON	220 5% 1/6W	R1335	1-249-405-11	CARBON	100 5% 1/6W
R456	1-249-409-11	CARBON	220 5% 1/6W	R1336	1-249-429-11	CARBON	10K 5% 1/6W
R457	1-249-424-11	CARBON	3.9K 5% 1/6W	R1337	1-249-429-11	CARBON	10K 5% 1/6W
R458	1-249-412-11	CARBON	390 5% 1/6W	R1338	1-247-710-11	CARBON	560 5% 1/4W
R459	1-249-429-11	CARBON	10K 5% 1/6W	R1339	1-249-413-11	CARBON	470 5% 1/6W
R460	1-249-423-11	CARBON	3.3K 5% 1/6W	R1340	1-249-409-11	CARBON	220 5% 1/6W
R461	1-249-423-11	CARBON	3.3K 5% 1/6W	R1341	1-249-411-11	CARBON	330 5% 1/6W
R470	1-249-460-11	CARBON	15K 5% 1/4W	R1342	1-247-710-11	CARBON	560 5% 1/4W
R472	1-247-713-11	CARBON	1K 5% 1/4W	R1343	1-249-424-11	CARBON	3.9K 5% 1/6W
R473	1-249-417-11	CARBON	1K 5% 1/6W	R1344	1-249-437-11	CARBON	47K 5% 1/6W
R474	1-249-417-11	CARBON	1K 5% 1/6W	R1345	1-247-901-00	CARBON	820K 5% 1/6W
R475	1-249-409-11	CARBON	220 5% 1/6W	R1346	1-202-730-00	SOLID	8.2M 10% 1/2W
R476	1-249-425-11	CARBON	4.7K 5% 1/6W	R1347	1-249-422-11	CARBON	2.7K 5% 1/6W
R477	1-249-425-11	CARBON	4.7K 5% 1/6W	R1348	1-249-409-11	CARBON	220 5% 1/6W
R479	1-249-435-11	CARBON	33K 5% 1/6W	R1349	1-249-423-11	CARBON	3.3K 5% 1/6W
R480	1-249-409-11	CARBON	220 5% 1/6W	R1401	1-249-423-11	CARBON	3.3K 5% 1/6W
R481	1-249-409-11	CARBON	220 5% 1/6W	R1402	1-249-423-11	CARBON	3.3K 5% 1/6W
R482	1-247-848-00	CARBON	5.1K 5% 1/6W	R1403	1-249-423-11	CARBON	3.3K 5% 1/6W
R483	1-249-409-11	CARBON	220 5% 1/6W	R1404	1-249-423-11	CARBON	3.3K 5% 1/6W
R484	1-249-441-11	CARBON	100K 5% 1/6W	R1405	1-249-418-11	CARBON	1.2K 5% 1/6W
R485	1-215-481-00	CARBON	330K 5% 1/6W	R1406	1-249-417-11	CARBON	1K 5% 1/6W
R486	1-249-429-11	CARBON	10K 5% 1/6W	R1407	1-249-417-11	CARBON	1K 5% 1/6W
R487	1-249-417-11	CARBON	1K 5% 1/6W	R1408	1-249-405-11	CARBON	100 5% 1/6W
R488	1-215-477-00	CARBON	220K 5% 1/6W	R1409	1-249-405-11	CARBON	100 5% 1/6W
R489	1-249-427-11	CARBON	6.8K 5% 1/6W	R1410	1-249-405-11	CARBON	100 5% 1/6W
R490	1-249-417-11	CARBON	1K 5% 1/6W	R1411	1-215-409-00	METAL	330 1% 1/6W
R491	1-249-429-11	CARBON	10K 5% 1/6W	R1412	1-249-417-11	CARBON	1K 5% 1/6W
R492	1-249-417-11	CARBON	1K 5% 1/6W	R1413	1-214-727-00	METAL	820 1% 1/4W
R493	1-249-405-11	CARBON	100 5% 1/6W	R1414	1-214-727-00	METAL	820 1% 1/4W
R494	1-249-433-11	CARBON	22K 5% 1/6W	R1415	1-247-838-00	CARBON	2K 5% 1/6W
R495	1-249-429-11	CARBON	10K 5% 1/6W	R1416	1-249-417-11	CARBON	1K 5% 1/6W
R496	1-249-430-11	CARBON	12K 5% 1/6W	R1417	1-215-409-00	METAL	330 1% 1/6W
R497	1-249-424-11	CARBON	3.9K 5% 1/6W	R1418	1-215-409-00	METAL	330 1% 1/6W
R498	1-249-421-11	CARBON	2.2K 5% 1/6W	R1419	1-215-409-00	METAL	330 1% 1/6W
R499	1-249-429-11	CARBON	10K 5% 1/6W	R1420	1-215-409-00	METAL	330 1% 1/6W
R1101	1-249-441-11	CARBON	100K 5% 1/6W	R1421	1-249-418-11	CARBON	1.2K 5% 1/6W
R1102	1-247-719-11	CARBON	3.3K 5% 1/4W	R1422	1-249-429-11	CARBON	10K 5% 1/6W
R1103	1-249-441-11	CARBON	100K 5% 1/6W	R1423	1-249-423-11	CARBON	3.3K 5% 1/6W

B B2 F

Ref.No.	Part No.	Description	Remark
R1424	1-249-436-11	CARBON 39K 5% 1/6W	
R1425	1-249-432-11	CARBON 18K 5% 1/6W	
R1426	1-249-421-11	CARBON 2.2K 5% 1/6W	
R1427	1-249-421-11	CARBON 2.2K 5% 1/6W	
R1428	1-249-416-11	CARBON 820 5% 1/6W	
<u>VARIABLE RESISTOR</u>			
RV301	1-228-718-00	RES, ADJ, CERAMIC CARBON 330	
RV401	1-228-724-00	RES, ADJ, CERAMIC CARBON 10K	
RV402	1-228-724-00	RES, ADJ, CERAMIC CARBON 10K	
RV403	1-228-724-00	RES, ADJ, CERAMIC CARBON 10K	
RV471	1-228-724-00	RES, ADJ, CERAMIC CARBON 10K	
RV472	1-228-724-00	RES, ADJ, CERAMIC CARBON 10K	
RV1401	1-228-719-00	RES, ADJ, CERAMIC CARBON 470	
RV1402	1-228-719-00	RES, ADJ, CERAMIC CARBON 470	
RV1403	1-228-724-00	RES, ADJ, CERAMIC CARBON 10K	
<u>TRANSFORMER</u>			
T301	1-425-786-00	TRANSFORMER, BANDPASS(BPT)	
<u>CRYSTAL</u>			
X101	1-567-192-11	OSCILLATOR, CERAMIC	
X401	1-527-722-00	OSCILLATOR, CRYSTAL	

*1-619-318-11	B2 BOARD	*****	
<u>CAPACITOR</u>			
C309	1-101-006-00	CERAMIC 0.047MF 50V	
C310	1-123-318-00	ELECT 33MF 20% 16V	
C313	1-123-307-00	ELECT 100MF 20% 10V	
C314	1-102-963-00	CERAMIC 33PF 5% 50V	
C315	1-123-307-00	ELECT 100MF 20% 10V	
C322	1-102-971-00	CERAMIC 82PF 5% 50V	
C323	1-123-307-00	ELECT 100MF 20% 10V	
<u>DELAY LINE</u>			
D'303	1-415-509-11	DELAY LINE	
D'304	1-415-509-11	DELAY LINE	
<u>CONNECTOR</u>			
P201	*1-562-516-11	CONNECTOR, BOARD TO BOARD 3P	
<u>TRANSISTOR</u>			
Q310	8-729-178-54	TRANSISTOR 2SC2785	
Q311	8-729-117-54	TRANSISTOR 2SA1175	

Ref.No.	Part No.	Description	Remark
Q312	8-729-117-54	TRANSISTOR 2SA1175	
Q319	8-729-117-54	TRANSISTOR 2SA1175	
Q320	8-729-178-54	TRANSISTOR 2SC2785	
Q321	8-729-178-54	TRANSISTOR 2SC2785	
<u>RESISTOR</u>			
R361	1-249-424-11	CARBON 3.9K 5% 1/6W	
R362	1-249-433-11	CARBON 22K 5% 1/6W	
R363	1-249-421-11	CARBON 2.2K 5% 1/6W	
R364	1-249-417-11	CARBON 1K 5% 1/6W	
R365	1-249-417-11	CARBON 1K 5% 1/6W	
R366	1-249-418-11	CARBON 1.2K 5% 1/6W	
R367	1-249-417-11	CARBON 1K 5% 1/6W	
R368	1-249-417-11	CARBON 1K 5% 1/6W	
R369	1-249-417-11	CARBON 1K 5% 1/6W	
R370	1-249-421-11	CARBON 2.2K 5% 1/6W	
R371	1-249-417-11	CARBON 1K 5% 1/6W	
R372	1-249-420-11	CARBON 1.8K 5% 1/6W	
R373	1-249-421-11	CARBON 2.2K 5% 1/6W	
R374	1-249-414-11	CARBON 560 5% 1/6W	
R375	1-249-419-11	CARBON 1.5K, 5% 1/6W	
R376	1-249-412-11	CARBON 390 5% 1/6W	
R377	1-249-412-11	CARBON 390 5% 1/6W	
R378	1-249-421-11	CARBON 2.2K 5% 1/6W	
R379	1-249-435-11	CARBON 33K 5% 1/6W	
R380	1-249-431-11	CARBON 15K 5% 1/6W	

*1-619-385-11	F BOARD	*****	
1-517-072-00	LAMP HO'DER		
<u>CAPACITOR</u>			
C601	△.1-136-311-11	FILM 0.47MF 20% 125V	
C602	△.1-136-311-11	FILM 0.47MF 20% 125V	
C607	1-125-457-11	ELECT(BLOCK) 560MF 20% 200V	
C608	1-125-457-11	ELECT(BLOCK) 560MF 20% 200V	
C609	1-102-050-00	CERAMIC 0.01MF 500V	
C610	△.1-161-953-51	CERAMIC 0.0047MF 20% 400V	
C611	△.1-161-953-51	CERAMIC 0.0047MF 20% 400V	
C612	△.1-161-953-51	CERAMIC 0.0047MF 20% 400V	
C613	△.1-161-953-51	CERAMIC 0.0047MF 20% 400V	
C614	△.1-136-311-11	FILM 0.47MF 20% 125V	
<u>DIODE</u>			
D601	△ 8-719-911-54	DIODE U05E	
D602	△ 8-719-911-54	DIODE U05E	
D603	△.8-719-901-02	DIODE SIB01-02	
<u>CONNECTOR</u>			
F1	*1-508-765-00	3P PLUG (M)	
F2	*1-566-063-11	PIN, CONNECTOR 11P	
F3	*1-508-765-00	3P PLUG (M)	

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F **GA** **GB**

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
F4	*1-508-765-00	3P PLUG (M)		D654	8-719-302-00	DIODE RU-2M	
F7	*1-508-765-00	3P PLUG (M)		D661	8-719-300-45	DIODE EM1Z	
F10	*1-508-765-00	3P PLUG (M)					
F11	*1-508-784-00	1P PLUG					
<u>FUSE</u>				<u>COIL</u>			
F601	△ 1-532-509-11	FUSE, GLASS TUBE 6.3A/125V		L651	1-425-612-00	COIL, ARE-CORE	
<u>COIL</u>				L652	1-425-612-00	COIL, ARE-CORE	
L601	1-407-364-00	COIL, SPOOK CHOKE 3.3UH		L660	1-425-612-00	COIL, ARE-CORE	
<u>RESISTOR</u>				L661	1-425-612-00	COIL, ARE-CORE	
R601	△ 1-202-723-51	SOLID 2.2M 10% 1/2W		<u>TRANSISTOR</u>			
R602	△ 1-202-723-51	SOLID 2.2M 10% 1/2W		Q651	△ 8-729-902-10	TRANSISTOR 2SC3317-S	
R603	1-244-925-00	CARBON 150K 5% 1/2W		Q652	△ 8-729-902-10	TRANSISTOR 2SC3317-S	
R604	1-244-925-00	CARBON 150K 5% 1/2W		<u>RESISTOR</u>			
R605	△ 1-205-792-11	CEMENTED 1.8 5% 10W		R651	△ 1-214-597-61	METAL OXIDE 100K 5% 2W F	
<u>RELAY</u>				R652	△ 1-212-370-61	METAL OXIDE 6.8 5% 1W F	
RL601	△ 1-515-491-11	RELAY (POWER)		R653	1-202-846-00	SOLID 470K 1/2W	
<u>TRANSFORMER</u>				R654	△ 1-212-370-61	METAL OXIDE 6.8 5% 1W F	
T601	△ 1-421-590-11	TRANSFORMER, LINE FILTER		R655	1-206-439-00	METAL OXIDE 1 5% 2W F	
T602	△ 1-421-590-11	TRANSFORMER, LINE FILTER		R660	1-202-846-00	SOLID 470K 1/2W	
T603	△ 1-448-755-11	TRANSFORMER, POWER		R662	△ 1-207-451-11	WIREWOUND 0.1 10% 1/2W	
<u>THERMISTOR</u>				<u>TRANSFORMER</u>			
THP601	△ 1-806-214-11	THERMISTOR, POSITIVE		T651	△ 1-421-704-11	CDT	
THP602	△ 1-800-686-42	THERMISTOR (POSITIVE)		T652	△ 1-421-698-11	PRT	
*****				*****			
*1-621-256-11	GA BOARD	*****		*1-621-257-11	GB BOARD	*****	
4-374-104-01	HOLDER, TR			*4-347-706-00	HEAT SINK (TR)		
4-374-108-01	SPACER, MICA			<u>CAPACITOR</u>			
<u>CAPACITOR</u>				C656	1-102-050-00	CERAMIC 0.01MF	500V
C651	1-101-821-00	CERAMIC 0.0022MF	500V	C658	1-123-875-91	ELECT 10MF	20% 50V
C652	1-136-103-00	FILM 0.1MF	5% 200V	C659	1-129-710-00	FILM 0.0047MF	10% 630V
C653	1-101-821-00	CERAMIC 0.0022MF	500V	C660	1-129-710-00	FILM 0.0047MF	10% 630V
C654	1-136-103-00	FILM 0.1MF	5% 200V	C661	1-136-240-11	FILM 0.014MF	5% 1KV
C655	1-136-131-00	FILM 0.12MF	5% 400V	C662	1-125-294-00	ELECT(BLOCK) 560MF	20% 160V
C671	1-102-050-00	CERAMIC 0.01MF	500V	C663	1-102-030-00	CERAMIC 330PF	10% 500V
C672	1-102-038-00	CERAMIC 0.001MF	500V	C664	1-102-038-00	CERAMIC 0.001MF	500V
C673	1-102-038-00	CERAMIC 0.001MF	500V	C665	1-123-338-00	ELECT 2200MF	20% 25V
C674	1-102-002-00	CERAMIC 680PF	10% 500V	C666	1-123-324-00	ELECT 1000MF	20% 16V
C678	1-102-244-00	CERAMIC 220PF	10% 500V	C667	1-108-688-91	MYLAR 0.0047MF	10% 200V
<u>DIODE</u>				C669	1-123-348-00	ELECT 470MF	20% 35V
D651	8-719-301-18	DIODE RM2CS		C675	1-102-212-00	CERAMIC 820PF	10% 500V
D652	8-719-302-00	DIODE RU-2M		C676	1-102-212-00	CERAMIC 820PF	10% 500V
D653	8-719-301-18	DIODE RM2CS		C682	1-101-006-00	CERAMIC 0.047MF	50V
<u>DIODE</u>				<u>DIODE</u>			
D654	8-719-302-00	DIODE RU-2M		D655	8-719-300-09	DIODE CTU-24S	
D656	△ 8-719-903-06	DIODE ERC84-009		D657	8-719-982-04	DIODE ER881-004	

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Ref.No.	Part No.	Description	Remark
D658	8-719-302-00	DIODE RU-2M	
D659	8-719-302-00	DIODE RU-2M	
<u>FUSE</u>			
F651	▲ 1-532-745-11	FUSE, GLASS TUBE 3.15A/125V	
	1-533-087-00	HOLDER, FUSE; F151	
F652	▲ 1-532-778-11	FUSE, MICRO (SECONDARY) 1.6A/125V	
<u>MODULE</u>			
IC651	▲ 1-235-444-11	MODULE, POWER (DM-20)	
<u>COIL</u>			
L653	1-421-459-00	COIL, CHOKE	
L654	1-407-365-00	COIL, CHOKE	
L656	1-459-155-00	COIL (WITH CORE) 45UH	
L657	1-407-780-00	COIL, SPOOK CHOKE	
L659	1-408-680-00	COIL (CHOKE, SPOOK) 12UH	
L662	1-407-780-00	COIL, SPOOK CHOKE	
L663	1-407-780-00	COIL, SPOOK CHOKE	
L664	1-459-155-00	COIL (WITH CORE) 45UH	
<u>RESISTOR</u>			
R657	▲ 1-215-925-51	METAL OXIDE 22K 5% 3W F	
R658	▲ 1-249-405-51	CARBON 100 5% 1/6W F	
R659	▲ 1-249-405-51	CARBON 100 5% 1/6W F	
R661	1-202-727-00	SOLID 4.7M 10% 1/2W	
<u>TRANSFORMER</u>			
T653	1-421-896-11	PIT	

*A-1330-776-A	C BOARD, COMPLETE *****		
1-526-798-21	SOCKET, CRT		
*4-379-160-01	COVER (REAR LID), CV		
*4-379-167-01	COVER (MAIN), CV		
<u>CONNECTOR</u>			
C1	*1-506-371-00	2P PLUG (L)	
C2	*1-508-765-00	3P PLUG (M)	
C3	*1-508-765-00	3P PLUG (M)	
C4	*1-566-055-11	PIN, CONNECTOR 3P	
C5	*1-566-061-11	PIN, CONNECTOR 9P	
C8	*1-508-784-00	1P P_UG	
<u>CAPACITOR</u>			
C701	1-162-116-00	CERAMIC 680PF 10% 2KV	
C702	1-129-714-00	FILM 0.01MF 10% 630V	
C703	1-123-356-00	ELECT 10MF 20% 50V	
C704	1-123-946-00	ELECT 4.7MF 20% 250V	
C705	1-108-692-81	MYLAR 0.01MF 10% 200V	

Ref.No.	Part No.	Description	Remark
C706	1-129-751-00	FILM 0.1MF 10% 400V	
C707	1-102-116-00	CERAMIC 680PF 10% 50V	
C708	1-102-116-00	CERAMIC 680PF 10% 50V	
C709	1-102-116-00	CERAMIC 680PF 10% 50V	
C710	1-102-115-00	CERAMIC 560PF 10% 50V	
C711	1-123-356-00	ELECT 10MF 20% 25V	
C712	1-102-824-00	CERAMIC 470PF 5% 50V	
C713	1-102-115-00	CERAMIC 560PF 10% 50V	
C714	1-162-622-11	CERAMIC 330PF 10% 6.3KV	
C715	1-102-125-00	CERAMIC 0.0047MF 10% 50V	
C718	1-102-074-00	CERAMIC 0.001MF 10% 50V	
C719	1-102-050-00	CERAMIC 0.01MF 500V	
<u>DIODE</u>			
D701	8-719-911-19	DIODE 1SS119	
D702	8-719-911-19	DIODE 1SS119	
D703	8-719-911-19	DIODE 1SS119	
D704	8-719-911-19	DIODE 1SS119	
D705	8-719-911-19	DIODE 1SS119	
D706	8-719-911-19	DIODE 1SS119	
D707	8-719-911-19	DIODE 1SS119	
D708	8-719-911-19	DIODE 1SS119	
D709	8-719-911-19	DIODE 1SS119	
D710	8-719-901-83	DIODE 1SS83	
D711	8-719-901-83	DIODE 1SS83	
D712	8-719-901-83	DIODE 1SS83	
D713	8-719-901-83	DIODE 1SS83	
<u>COIL</u>			
L701	1-407-701-00	MICRO INDUCTOR 47UH	
L702	1-407-701-00	MICRO INDUCTOR 47UH	
L703	1-407-701-00	MICRO INDUCTOR 47UH	
L706	1-407-701-00	MICRO INDUCTOR 47UH	
<u>TRANSISTOR</u>			
Q701	8-729-326-11	TRANSISTOR 2SC2611	
Q702	8-729-178-54	TRANSISTOR 2SC2785	
Q703	8-729-200-17	TRANSISTOR 2SA1091	
Q704	8-729-326-11	TRANSISTOR 2SC2611	
Q705	8-729-178-54	TRANSISTOR 2SC2785	
Q706	8-729-200-17	TRANSISTOR 2SA1091	
Q707	8-729-200-17	TRANSISTOR 2SA1091	
Q708	8-729-326-11	TRANSISTOR 2SC2611	
Q709	8-729-178-54	TRANSISTOR 2SC2785	
Q710	8-729-255-12	TRANSISTOR 2SC2551	
Q712	8-729-255-12	TRANSISTOR 2SC2551	
Q714	8-729-200-17	TRANSISTOR 2SA1091	
Q715	8-729-200-17	TRANSISTOR 2SA1091	
Q716	8-729-200-17	TRANSISTOR 2SA1091	
<u>RESISTOR</u>			
R701	1-216-397-11	METAL OXIDE 4.7 5% 3W F	
R702	1-202-848-00	SOLID 680K 10% 1/2W	

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Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
R703	1-202-838-00	SOLID	100K 10% 1/2W		*A-1345-691-A	D BOARD, COMPLETE *****	
R704	1-202-846-00	SOLID	470K 10% 1/2W				
R705	1-202-549-00	SOLID	100 10% 1/2W				
R706	1-202-838-00	SOLID	100K 10% 1/2W		4-367-513-00	SPACER, MICA	
R707	1-202-842-11	SOLID	220K 1/2W				
R708	1-202-818-00	SOLID	1K 1/2W				
R709	1-202-818-00	SOLID	1K 1/2W	C501	1-108-616-91	MYLAR 0.0015MF 10% 100V	
R710	1-202-818-00	SOLID	1K 1/2W	C503	1-108-617-91	MYLAR 0.0018MF 10% 100V	
R711	1-202-837-00	SOLID	82K 10% 1/2W	C505	1-106-212-00	MYLAR 0.047MF 10% 100V	
R712	1-202-842-11	SOLID	220K 1/2W	C506	1-124-902-00	ELECT 0.47MF 20% 50V	
				C507	1-123-369-00	ELECT 4.7MF 20% 25V	
R713	1-216-486-00	METAL OXIDE	8.2K 5% 3W F				
R714	1-249-409-11	CARBON	220 5% 1/6W	C508	1-108-627-91	MYLAR 0.012MF 10% 100V	
R716	1-216-486-00	METAL OXIDE	8.2K 5% 3W F	C509	1-106-220-00	MYLAR 0.1MF 10% 100V	
R717	1-249-409-11	CARBON	220 5% 1/6W	C510	1-108-630-91	MYLAR 0.022MF 10% 100V	
R720	1-216-486-00	METAL OXIDE	8.2K 5% 3W F	C511	1-123-330-00	ELECT 22MF 20% 16V	
				C512	1-124-925-11	ELECT 2.2MF 20% 50V	
R721	1-249-409-11	CARBON	220 5% 1/6W				
R722	1-249-405-11	CARBON	100 5% 1/6W	C513	1-130-868-00	FILM 0.0056MF 5% 50V	
R723	1-249-405-11	CARBON	100 5% 1/6W	C514	1-123-356-00	ELECT 10MF 20% 16V	
R724	1-249-405-11	CARBON	100 5% 1/6W	C515	1-123-356-00	ELECT 10MF 20% 16V	
R725	1-249-429-11	CARBON	10K 5% 1/6W	C516	1-102-820-00	CERAMIC 330PF 5% 50V	
				C517	1-124-475-11	ELECT 470MF 20% 16V	
R726	1-249-409-11	CARBON	220 5% 1/6W				
R727	1-249-429-11	CARBON	10K 5% 1/6W	C518	1-108-618-91	MYLAR 0.0022MF 10% 100V	
R728	1-249-409-11	CARBON	220 5% 1/6W	C519	1-136-173-00	FILM 0.47MF 5% 50V	
R729	1-247-785-00	CARBON	12 5% 1/6W	C520	1-124-902-00	ELECT 0.47MF 20% 50V	
R730	1-249-409-11	CARBON	220 5% 1/6W	C521	1-124-902-00	ELECT 0.47MF 20% 50V	
				C522	1-124-791-11	ELECT 1MF 20% 50V	
R731	1-247-704-11	CARBON	220 5% 1/4W F				
R732	1-247-704-11	CARBON	220 5% 1/4W F	C523	1-108-622-91	MYLAR 0.0047MF 10% 100V	
R733	1-247-704-11	CARBON	220 5% 1/4W F	C524	1-108-622-91	MYLAR 0.0047MF 10% 100V	
R734	1-247-132-00	CARBON	1.1K 5% 1/4W	C525	1-108-425-00	MYLAR 0.022MF 10% 200V	
R735	1-247-138-00	CARBON	2K 5% 1/4W	C526	1-123-321-00	ELECT 220MF 20% 16V	
				C532	1-124-005-11	ELECT 4.7MF 20% 50V	
R736	1-247-717-11	CARBON	2.2K 5% 1/4W				
R737	1-215-473-00	CARBON	150K 5% 1/6W	C536	1-131-382-00	TANTALUM 6.8MF 10% 6.3V	
R739	1-215-477-00	CARBON	220K 5% 1/6W	C537	1-123-875-91	ELECT 10MF 20% 50V	
R740	1-215-902-11	METAL OXIDE	47K 5% 2W F	C538A	1-123-963-00	ELECT 100MF 20% 25V	
R741	1-249-440-11	CARBON	82K 5% 1/6W	C538B	1-123-587-00	ELECT 560MF 10% 25V	
				C542	1-123-356-00	ELECT 10MF 20% 16V	
R742	1-249-429-11	CARBON	10K 5% 1/6W F				
R743	1-249-429-11	CARBON	10K 5% 1/6W F	C544	1-130-996-00	FILM 0.047MF 5% 50V	
R744	1-247-725-11	CARBON	10K 5% 1/4W F	C546	1-124-477-11	ELECT 47MF 20% 25V	
R745	1-247-713-51	CARBON	1K 5% 1/4W F	C551A	1-102-050-00	CERAMIC 0.01MF 500V	
R746	1-215-879-51	METAL OXIDE	47K 5% 1W F	C551B	1-102-050-00	CERAMIC 0.01MF 500V	
				C552	1-102-030-00	CERAMIC 330PF 10% 500V	
R747	1-247-725-11	CARBON	10K 5% 1/4W F				
R775	1-247-785-00	CARBON	12 5% 1/6W	C553	1-106-192-00	MYLAR 0.0068MF 10% 100V	
R776	1-249-393-11	CARBON	10 5% 1/6W	C554	1-123-345-00	ELECT 100MF 20% 35V	
R777	1-249-441-11	CARBON	100K 5% 1/6W	C556	1-123-943-00	ELECT 1MF 20% 250V	
R799	1-202-842-11	SOLID	220K 1/2W	C557	1-123-356-00	ELECT 10MF 20% 25V	
				C558	1-123-356-00	ELECT 10MF 20% 16V	
				C559	1-124-192-00	ELECT 4.7MF 20% 50V	
				C560	1-106-208-00	MYLAR 0.033MF 10% 100V	
				C561	1-108-614-91	MYLAR 0.001MF 10% 100V	
				C562	1-108-616-91	MYLAR 0.0015MF 10% 100V	
				C563	1-123-943-00	ELECT 1MF 20% 250V	
				C564	1-102-244-00	CERAMIC 220PF 10% 500V	
				C566	1-106-367-00	MYLAR 0.01MF 10% 100V	

VARIABLE RESISTOR

RV701	1-226-114-00	RES, ADJ, METAL GLAZE	2.2M
RV702	1-230-619-11	RES, ADJ, METAL GLAZE	110M
RV703	1-228-731-00	RES, ADJ, CERAMIC CARBON	470K
RV705	1-228-729-00	RES, ADJ, CERAMIC CARBON	220K
RV706	1-228-724-00	RES, ADJ, CERAMIC CARBON	10K

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Ref.No.	Part No.	Description	Remark
C568	1-106-212-00	MYLAR 0.047MF	10% 100V
C570	1-102-212-00	CERAMIC 820PF	10% 500V
C571	1-124-637-11	ELECT 1000MF	20% 50V
C572	1-102-244-00	CERAMIC 220PF	10% 500V
C573	1-123-935-00	ELECT 33MF	20% 160V
C574	1-106-369-00	MYLAR 0.012MF	10% 200V
C575	1-123-024-00	ELECT 33MF	160V
C576	1-162-114-00	CERAMIC 0.0047MF	2KV
C578	1-124-902-00	ELECT 0.47MF	20% 50V
C579	1-102-030-00	CERAMIC 330PF	10% 500V
C580	1-108-689-11	MYLAR 0.0056MF	10% 200V
C581	△ 1-136-512-11	FILM 0.0106MF	3% 1.4KV
C582	△ 1-162-135-51	CERAMIC 560PF	10% 2KV
C583	△ 1-108-626-91	MYLAR 0.01MF	10% 100V
C584	1-108-965-11	MYLAR 0.33MF	10% 200V
C586	△ 1-162-116-51	CERAMIC 680PF	10% 2KV
C587	△ 1-129-722-51	FILM 0.047MF	10% 630V
C588	1-136-513-11	FILM 0.82MF	5% 200V
C589	1-136-116-00	FILM 1MF	5% 200V
C590	1-123-356-00	ELECT 10MF	20% 25V
C593	1-123-324-00	ELECT 1000MF	20% 16V
C598	1-123-332-00	ELECT 47MF	20% 16V
C1510	1-106-367-00	MYLAR 0.01MF	10% 100V
C1515	1-124-477-11	ELECT 47MF	20% 25V
C1516	1-124-927-11	ELECT 4.7MF	20% 50V
C1517	1-124-902-00	ELECT 0.47MF	20% 50V
C1518	1-108-630-91	MYLAR 0.022MF	10% 100V
C1520	1-123-875-91	ELECT 10MF	20% 50V
C1521	1-108-855-00	MYLAR 0.33MF	10% 50V
C1522	1-108-837-00	MYLAR 0.01MF	10% 50V
C1524	1-106-172-00	MYLAR 0.001MF	5% 50V
C1525	1-124-927-11	ELECT 4.7MF	20% 50V
C1527	1-123-356-00	ELECT 10MF	20% 50V
C1528	1-123-356-00	ELECT 10MF	20% 50V
C1529	1-124-791-11	ELECT 1MF	20% 50V
C1531	1-102-231-11	CERAMIC 47PF	10% 500V
C1532	1-123-333-00	ELECT 100MF	20% 16V
C1533	1-123-333-00	ELECT 100MF	20% 16V
C1537	1-108-812-91	MYLAR 0.047MF	5% 50V

CONNECTOR

D1	*1-508-766-00	4P PLUG (M)
D2	*1-566-054-11	PIN, CONNECTOR 2P
D3	*1-566-054-11	PIN, CONNECTOR 2P
D4	*1-508-766-00	4P PLUG (M)
D5	*1-508-765-00	3P PLUG (M)
D6	*1-564-038-00	CONNECTOR PLUG, DY (MINI) 6P
D7	*1-566-056-11	PIN, CONNECTOR 4P
D9	*1-566-055-11	PIN, CONNECTOR 3P
D10	*1-508-766-00	4P PLUG (M)
D11	*1-508-765-00	3P PLUG (M)
D12	*1-508-765-00	3P PLUG (M)
D14	*1-566-054-11	PIN, CONNECTOR 2P

Ref.No.	Part No.	Description	Remark
D21	*1-566-063-11	PIN, CONNECTOR 11P	
D22	*1-566-063-11	PIN, CONNECTOR 11P	
<u>DIODE</u>			
D501	8-719-911-19	DIODE 1SS119	
D502	8-719-911-55	DIODE U05G	
D504	8-719-911-19	DIODE 1SS119	
D505	8-719-911-19	DIODE 1SS119	
D507	8-719-100-35	DIODE RD5.6E-B2	
D509	8-719-102-84	DIODE RD8.2E-N2	
D510	8-719-911-19	DIODE 1SS119	
D512	8-719-911-19	DIODE 1SS119	
D551	8-719-911-55	DIODE U05G	
D554	8-719-300-65	DIODE ES1F	
D557	△ 8-719-918-93	DIODE V19G	
D558	8-719-300-76	DIODE RH1A	
D560	△ 8-719-906-15	DIODE ERC26-15S	
D561	8-719-928-08	DIODE ERD28-08S	
D562	8-719-300-65	DIODE ES1F	
D1510	8-719-911-55	DIODE U05G	
D1511	8-719-911-19	DIODE 1SS119	
D1513	8-719-911-55	DIODE U05G	
D1514	8-719-911-55	DIODE U05G	
D1516	8-719-100-94	DIODE RD27E-B2	
D1517	8-719-918-77	DIODE V19G	
D1518	8-719-918-77	DIODE V19G	
D1521	8-719-911-19	DIODE 1SS119	
<u>FUSE</u>			
F501	△ 1-532-741-11	FUSE, GLASS TUBE 1.25A/125V	
	*1-533-189-11	HOLDER, FUSE; F501	
<u>IC</u>			
IC501	8-759-100-60	IC UPC1377C	
IC502	8-759-280-12	IC TA78012AP	
IC551	8-759-105-82	IC UPC1378H-P	
	3-701-833-01	HEAD, WASHER, TAPPING SCREW; IC551	
IC552	8-759-145-58	IC UPC4558C	
IC1510	8-759-145-58	IC UPC4558C	
IC1511	8-759-145-58	IC UPC4558C	
<u>COIL</u>			
L551	△ 1-459-678-11	HLC	
L552	△ 1-459-390-11	COIL (WITH CORE)	
L553	1-459-104-00	COIL, DUST CORE	
L555	1-408-227-00	MICRO INDUCTOR 470UH	
L556	△ 1-407-699-11	MICRO INDUCTOR 33UH	
L557	1-459-407-00	COIL, FERRITE CHOKE	
L558	1-407-365-00	COIL, CHOKE	
L559	1-407-364-00	COIL, SPOCK CHOKE 3.3UH	
L560	△ 1-407-695-11	MICRO INDUCTOR 15UH	
L562	1-408-239-00	MICRO INDUCTOR 4.7MMH	
L563	1-459-075-00	COIL, DYNAMIC CONVERSION CHOKE	

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Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
L564	1-407-717-00	MICRO INDUCTOR 1MMH		R534	1-214-747-00	METAL	5.6K 1% 1/4W
L1510	1-459-115-00	COIL, DCC-H		R535	1-249-424-11	CARBON	3.9K 5% 1/6W
<u>NEON LAMP</u>				R536	1-249-427-11	CARBON	6.8K 5% 1/6W
NL601	1-519-237-11	LAMP, NEON		R537	1-249-429-11	CARBON	10K 5% 1/6W
<u>TRANSISTOR</u>				R538	1-216-350-11	METAL OXIDE	1.2 5% 1W F
Q505	8-729-178-54	TRANSISTOR 2SC2785		R539	1-249-413-11	CARBON	470 5% 1/6W
Q506	8-729-178-54	TRANSISTOR 2SC2785		R540	1-249-441-11	CARBON	100K 5% 1/6W
Q507	8-729-178-54	TRANSISTOR 2SC2785		R541	1-249-429-11	CARBON	10K 5% 1/6W
Q508	8-729-117-54	TRANSISTOR 2SA1175		R542	1-214-779-00	METAL	120K 1% 1/4W
Q551	8-729-168-82	TRANSISTOR 2SC2688		R543	1-215-493-00	CARBON	1M 5% 1/6W
Q552 Δ	8-729-202-58	TRANSISTOR 2SD1555-LB		R544	1-214-781-00	METAL	150K 1% 1/4W
Q553 Δ	8-729-313-42	TRANSISTOR 2SD1134-C		R545	1-214-765-00	METAL	33K 1% 1/4W
Q1510	8-729-117-54	TRANSISTOR 2SA1175		R546	1-247-849-00	CARBON	5.6K 5% 1/6W
Q1519	8-729-178-54	TRANSISTOR 2SC2785		R547	1-249-429-11	CARBON	10K 5% 1/6W
Q1520	8-729-178-54	TRANSISTOR 2SC2785		R548	1-249-421-11	CARBON	2.2K 5% 1/6W
Q1521	8-729-117-54	TRANSISTOR 2SA1175		R549	1-247-704-11	CARBON	220 5% 1/4W
Q1522	8-729-177-43	TRANSISTOR 2SD774		R551	1-214-681-00	METAL	10 1% 1/4W
Q1523	8-729-103-43	TRANSISTOR 2SB734		R553 Δ	1-244-863-51	CARBON	390 5% 1/2W
<u>RESISTOR</u>				R554	1-246-545-00	CARBON	1M 5% 1/4W
R501	1-247-725-11	CARBON	10K 5% 1/4W	R555	1-249-431-11	CARBON	15K 5% 1/6W
R503	1-249-422-11	CARBON	2.7K 5% 1/6W	R556	1-249-468-11	CARBON	82K 5% 1/4W
R504	1-249-411-11	CARBON	330 5% 1/6W	R557	1-249-432-11	CARBON	18K 5% 1/6W
R505	1-247-708-11	CARBON	470 5% 1/4W	R558	1-249-437-11	CARBON	47K 5% 1/6W
R506	1-247-700-11	CARBON	100 5% 1/4W	R559	1-215-487-00	CARBON	560K 5% 1/6W
R507	1-246-536-00	CARBON	430K 5% 1/4W	R560	1-215-485-00	CARBON	470K 5% 1/6W
R508	1-249-462-11	CARBON	22K 5% 1/4W	R561	1-249-429-11	CARBON	10K 5% 1/6W
R509	1-249-433-11	CARBON	22K 5% 1/6W	R562	1-249-425-11	CARBON	4.7K 5% 1/6W
R510	1-215-471-00	CARBON	120K 5% 1/6W	R564	1-247-719-11	CARBON	3.3K 5% 1/4W F
R511	1-247-868-00	CARBON	36K 5% 1/6W	R565 Δ	1-216-428-51	METAL OXIDE	180 5% 1W F
R512	1-249-411-11	CARBON	330 5% 1/6W	R567	1-249-429-11	CARBON	10K 5% 1/6W
R513	1-249-468-11	CARBON	82K 5% 1/4W	R568	1-247-715-11	CARBON	1.5K 5% 1/4W F
R514	1-247-719-11	CARBON	3.3K 5% 1/4W	R569	1-249-410-11	CARBON	270 5% 1/6W F
R515	1-249-459-11	CARBON	12K 5% 1/4W	R570	1-249-417-11	CARBON	1K 5% 1/6W
R516	1-249-435-11	CARBON	33K 5% 1/6W	R571	1-247-711-11	CARBON	680 5% 1/4W
R517	1-249-407-11	CARBON	150 5% 1/6W	R572	1-249-418-11	CARBON	1.2K 5% 1/6W
R518 Δ	1-247-701-51	CARBON	120 5% 1/4W F	R573	1-216-445-11	METAL OXIDE	12 5% 2W F
R519	1-247-849-00	CARBON	5.6K 5% 1/6W	R574	1-249-409-11	CARBON	220 5% 1/6W
R520	1-249-419-11	CARBON	1.5K 5% 1/6W	R575	1-247-725-11	CARBON	10K 5% 1/4W
R521	1-249-417-11	CARBON	1K 5% 1/6W	R576	1-249-427-11	CARBON	6.8K 5% 1/6W
R522	1-249-438-11	CARBON	56K 5% 1/6W	R577	1-249-429-11	CARBON	10K 5% 1/6W
R523	1-249-430-11	CARBON	12K 5% 1/6W	R578	1-249-411-11	CARBON	330 5% 1/6W F
R524	1-247-158-00	CARBON	13K 5% 1/4W	R579	1-247-719-11	CARBON	3.3K 5% 1/4W
R525 Δ	1-214-753-71	CARBON	10K 5% 1/6W	R580 Δ	1-247-725-51	CARBON	10K 5% 1/4W F
R526 Δ	1-215-876-51	METAL OXIDE	15K 5% 1W F	R581 Δ	1-216-431-51	METAL OXIDE	560 5% 1W F
R527	1-249-412-11	CARBON	390 5% 1/6W	R582	1-216-343-00	METAL OXIDE	0.33 5% 1W F
R528	1-249-405-11	CARBON	100 5% 1/6W	R583	1-249-433-11	CARBON	22K 5% 1/6W
R529	1-214-747-00	METAL	5.6K 1% 1/4W	R584	1-246-511-00	CARBON	39K 5% 1/4W
R530	1-214-753-00	METAL	10K 1% 1/4W	R585	1-247-719-11	CARBON	3.3K 5% 1/4W
R531 Δ		METAL	1/4W	R586	1-249-430-11	CARBON	12K 5% 1/6W
				R587	1-246-529-00	CARBON	220K 5% 1/4W
				R588	1-249-417-11	CARBON	1K 5% 1/6W
				R589	1-215-442-00	CARBON	7.5K 5% 1/6W
				R590	1-249-421-11	CARBON	2.2K 5% 1/6W

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

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

D H5 UA

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
R592	1-215-871-11	METAL OXIDE	2.2K 5% 1W F	R1571	1-249-382-11	CARBON	1.2 5% 1/6W F
R593	1-249-417-11	CARBON	1K 5% 1/6W F	R1572	1-215-473-00	CARBON	150K 5% 1/6W
R594	1-249-435-11	CARBON	33K 5% 1/6W	R1573	1-247-775-00	CARBON	4.7 5% 1/6W
R595	1-249-421-11	CARBON	2.2K 5% 1/6W	R1583	1-249-429-11	CARBON	10K 5% 1/6W
R596	1-249-420-11	CARBON	1.8K 5% 1/6W	R1584	1-249-413-11	CARBON	470 5% 1/6W
R597	1-249-409-11	CARBON	220 5% 1/6W	R1585	1-249-417-11	CARBON	1K 5% 1/6W
R598	1-246-525-00	CARBON	150K 5% 1/4W	<u>VARIABLE RESISTOR</u>			
R599	1-249-431-11	CARBON	15K 5% 1/6W F	RV501	1-228-723-00	RES, ADJ, CERAMIC CARBON	4.7K
R1501	1-247-878-00	CARBON	91K 5% 1/6W	RV503	1-228-717-00	RES, ADJ, CERAMIC CARBON	220
R1502	1-249-432-11	CARBON	18K 5% 1/6W	RV509	1-224-249-XX	RES, ADJ, METAL GLAZE	1K
R1503	1-247-722-11	CARBON	5.6K 5% 1/4W	RV552	1-228-725-00	RES, ADJ, CERAMIC CARBON	22K
R1503	1-247-722-11	CARBON	5.6K 5% 1/4W F	RV553	1-228-720-00	RES, ADJ, CERAMIC CARBON	1K
R1505	1-215-869-11	METAL OXIDE	1K 5% 1W F	RV554	1-228-729-00	RES, ADJ, CERAMIC CARBON	220K
R1510	1-249-429-11	CARBON	10K 5% 1/6W	RV555	1-228-722-00	RES, ADJ, CERAMIC CARBON	3.3K
R1511	1-249-437-11	CARBON	47K 5% 1/6W	<u>SPARK GAP</u>			
R1515	1-249-429-11	CARBON	10K 5% 1/6W	SG551	1-519-063-XX	DISCHARGING GAP	
R1516	1-249-431-11	CARBON	15K 5% 1/6W	<u>TRANSFORMER</u>			
R1517	1-249-433-11	CARBON	22K 5% 1/6W	T552	1-437-090-11	HDT	
R1518	1-249-425-11	CARBON	4.7K 5% 1/6W	T553	1-437-191-11	HCT	
R1519	1-249-429-11	CARBON	10K 5% 1/6W	<u>THERMISTOR</u>			
R1520	1-249-433-11	CARBON	22K 5% 1/6W	TH501	1-800-194-11	THERMISTOR DIRECT-HEATING DISK	
R1521	1-249-425-11	CARBON	4.7K 5% 1/6W	*****			
R1522	1-249-409-11	CARBON	220 5% 1/6W	*1-620-766-11	H5 BOARD		
R1523	1-249-441-11	CARBON	100K 5% 1/6W		*****		
R1524	1-249-437-11	CARBON	47K 5% 1/6W	*1-566-054-11	PIN, CONNECTOR 2P		
R1525	1-249-425-11	CARBON	4.7K 5% 1/6W	*1-566-056-11	PIN, CONNECTOR 4P		
R1532	1-249-431-11	CARBON	15K 5% 1/6W	<u>SWITCH</u>			
R1533	1-249-437-11	CARBON	47K 5% 1/6W	S981	1-570-145-11	SWITCH, SLIDE	
R1534	1-249-437-11	CARBON	47K 5% 1/6W	S982	1-570-145-11	SWITCH, SLIDE	
R1535	1-249-413-11	CARBON	470 5% 1/6W	*****			
R1536	1-249-418-11	CARBON	1.2K 5% 1/6W	*A-1373-059-A	UA BOARD, COMPLETE		
R1537	1-249-423-11	CARBON	3.3K 5% 1/6W		*****		
R1539	1-249-429-11	CARBON	10K 5% 1/6W	1-537-043-11	TERMINAL BOARD, INPUT/OUTPUT		
R1540	1-215-947-51	METAL OXIDE	6.8K 5% 1/2W F	1-537-044-11	TERMINAL BOARD, INPUT/OUTPUT		
R1541	1-249-429-11	CARBON	10K 5% 1/6W	<u>CAPACITOR</u>			
R1542	1-249-429-11	CARBON	10K 5% 1/6W	C2201	1-124-236-00	ELECT	47MF 20% 16V
R1543	1-215-466-00	CARBON	75K 5% 1/6W	C2202	1-123-617-00	ELECT	10MF 20% 16V
R1544	1-247-885-00	CARBON	180K 5% 1/6W	C2203	1-123-617-00	ELECT	10MF 20% 16V
R1545	1-249-439-11	CARBON	68K 5% 1/6W	C2204	1-124-236-00	ELECT	47MF 20% 16V
R1546	1-215-479-00	CARBON	270K 5% 1/6W	C2205	1-123-617-00	ELECT	10MF 20% 16V
R1547	1-249-429-11	CARBON	10K 5% 1/6W	C2206	1-123-617-00	ELECT	10MF 20% 16V
R1548	1-247-900-00	CARBON	750K 5% 1/6W	C2207	1-124-236-00	ELECT	47MF 20% 16V
R1550	1-215-485-00	CARBON	470K 5% 1/6W				
R1551	1-249-437-11	CARBON	47K 5% 1/6W				
R1552	1-247-849-00	CARBON	5.6K 5% 1/6W				
R1553	1-215-471-00	CARBON	120K 5% 1/6W				
R1563	1-249-409-11	CARBON	220 5% 1/6W				
R1565	1-216-349-00	METAL OXIDE	1 5% 1W F				
R1566	1-216-430-11	METAL OXIDE	390 5% 1W F				
R1567	1-216-430-11	METAL OXIDE	390 5% 1W F				
R1568	1-249-419-11	CARBON	1.5K 5% 1/6W				
R1569	1-249-417-11	CARBON	1K 5% 1/6W				
R1570	1-249-382-11	CARBON	1.2 5% 1/6W F				

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 sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.



Ref.No.	Part No.	Description				Remark	Ref.No.	Part No.	Description				Remark
R2206	1-247-713-11	CARBON	1K	5%	1/4W		R2306	1-247-704-11	CARBON	220	5%	1/4W	
R2207	1-215-493-00	CARBON	1M	5%	1/6W		R2307	1-249-417-11	CARBON	1K	5%	1/6W	
R2208	1-247-713-11	CARBON	1K	5%	1/4W		R2308	1-215-493-00	CARBON	1M	5%	1/6W	
R2209	1-215-493-00	CARBON	1M	5%	1/6W		R2314	1-249-417-11	CARBON	1K	5%	1/6W	
R2210	1-247-104-00	CARBON	75	5%	1/4W		R2325	1-249-417-11	CARBON	1K	5%	1/6W	
R2211	1-247-713-11	CARBON	1K	5%	1/4W		R2327	1-249-417-11	CARBON	1K	5%	1/6W	
R2212	1-215-493-00	CARBON	1M	5%	1/6W		R2337	1-249-417-11	CARBON	1K	5%	1/6W	
R2213	1-247-713-11	CARBON	1K	5%	1/4W		R2340	1-249-424-11	CARBON	3.9K	5%	1/6W	
R2214	1-215-493-00	CARBON	1M	5%	1/6W		R2344	1-249-417-11	CARBON	1K	5%	1/6W	
R2215	1-247-104-00	CARBON	75	5%	1/4W		R2345	1-247-725-11	CARBON	10K	5%	1/4W	
R2216	1-247-713-11	CARBON	1K	5%	1/4W		R2346	1-249-429-11	CARBON	10K	5%	1/6W	
R2217	1-215-493-00	CARBON	1M	5%	1/6W		R2349	1-249-428-11	CARBON	8.2K	5%	1/6W	
R2218	1-249-440-11	CARBON	82K	5%	1/6W		R2350	1-249-427-11	CARBON	6.8K	5%	1/6W	
R2219	1-249-434-11	CARBON	27K	5%	1/6W		R2351	1-249-417-11	CARBON	1K	5%	1/6W	
R2220	1-249-441-11	CARBON	100K	5%	1/6W		R2352	1-249-434-11	CARBON	27K	5%	1/6W	
R2221	1-249-440-11	CARBON	82K	5%	1/6W		R2353	1-249-433-11	CARBON	22K	5%	1/6W	
R2222	1-249-434-11	CARBON	27K	5%	1/6W		R2354	1-247-725-11	CARBON	10K	5%	1/4W	
R2223	1-249-441-11	CARBON	100K	5%	1/6W		R2355	1-249-419-11	CARBON	1.5K	5%	1/6W	
R2224	1-249-440-11	CARBON	82K	5%	1/6W		R2356	1-247-698-11	CARBON	68	5%	1/4W	
R2225	1-249-434-11	CARBON	27K	5%	1/6W		R2357	1-247-717-11	CARBON	2.2K	5%	1/4W	
R2226	1-249-441-11	CARBON	100K	5%	1/6W		R2358	1-247-878-00	CARBON	91K	5%	1/6W	
R2227	1-247-717-11	CARBON	2.2K	5%	1/4W		R2359	1-249-434-11	CARBON	27K	5%	1/6W	
R2228	1-215-485-00	CARBON	470K	5%	1/6W		R2360	1-249-428-11	CARBON	8.2K	5%	1/6W	
R2229	1-249-417-11	CARBON	1K	5%	1/6W		R2361	1-249-421-11	CARBON	2.2K	5%	1/6W	
R2230	1-249-441-11	CARBON	100K	5%	1/6W		R2362	1-249-429-11	CARBON	10K	5%	1/6W	
R2231	1-249-441-11	CARBON	100K	5%	1/6W		R2363	1-249-405-11	CARBON	100	5%	1/6W	
R2232	1-215-481-00	CARBON	330K	5%	1/6W		R2364	1-249-421-11	CARBON	2.2K	5%	1/6W	
R2233	1-215-481-00	CARBON	330K	5%	1/6W		R2365	1-249-425-11	CARBON	4.7K	5%	1/6W	
R2234	1-215-487-00	CARBON	560K	5%	1/6W		R2366	1-249-425-11	CARBON	4.7K	5%	1/6W	
R2235	1-215-481-00	CARBON	330K	5%	1/6W		R2367	1-249-409-11	CARBON	220	5%	1/6W	
R2236	1-215-481-00	CARBON	330K	5%	1/6W		R2368	1-249-425-11	CARBON	4.7K	5%	1/6W	
R2237	1-215-481-00	CARBON	330K	5%	1/6W		R2369	1-249-433-11	CARBON	22K	5%	1/6W	
R2238	1-215-481-00	CARBON	330K	5%	1/6W		R2370	1-249-437-11	CARBON	47K	5%	1/6W	
R2239	1-249-440-11	CARBON	82K	5%	1/6W		R2371	1-249-429-11	CARBON	10K	5%	1/6W	
R2240	1-249-429-11	CARBON	10K	5%	1/6W		R2372	1-249-422-11	CARBON	2.7K	5%	1/6W	
R2241	1-249-429-11	CARBON	10K	5%	1/6W		R2373	1-249-428-11	CARBON	8.2K	5%	1/6W	
R2246	1-249-417-11	CARBON	1K	5%	1/6W		R2374	1-249-423-11	CARBON	3.3K	5%	1/6W	
R2247	1-249-411-11	CARBON	330	5%	1/6W		R2375	1-249-421-11	CARBON	2.2K	5%	1/6W	
R2248	1-249-423-11	CARBON	3.3K	5%	1/6W		R2376	1-249-425-11	CARBON	4.7K	5%	1/6W	
R2249	1-249-417-11	CARBON	1K	5%	1/6W		R2377	1-249-425-11	CARBON	4.7K	5%	1/6W	
R2250	1-249-432-11	CARBON	18K	5%	1/6W		R2378	1-249-425-11	CARBON	4.7K	5%	1/6W	
R2251	1-249-424-11	CARBON	3.9K	5%	1/6W		R2379	1-247-700-11	CARBON	100	5%	1/4W	
R2252	1-249-429-11	CARBON	10K	5%	1/6W		R2380	1-249-425-11	CARBON	4.7K	5%	1/6W	
R2253	1-249-423-11	CARBON	3.3K	5%	1/6W		R2381	1-249-425-11	CARBON	4.7K	5%	1/6W	
R2270	1-249-417-11	CARBON	1K	5%	1/6W		R2382	1-249-421-11	CARBON	2.2K	5%	1/6W	
R2271	1-249-417-11	CARBON	1K	5%	1/6W		R2383	1-249-421-11	CARBON	2.2K	5%	1/6W	
R2272	1-249-417-11	CARBON	1K	5%	1/6W		R2384	1-249-421-11	CARBON	2.2K	5%	1/6W	
R2273	1-249-429-11	CARBON	10K	5%	1/6W		R2385	1-249-421-11	CARBON	2.2K	5%	1/6W	
R2274	1-249-429-11	CARBON	10K	5%	1/6W		R2386	1-249-417-11	CARBON	1K	5%	1/6W	
R2275	1-249-421-11	CARBON	2.2K	5%	1/6W		R2387	1-249-417-11	CARBON	1K	5%	1/6W	
R2277	1-249-419-11	CARBON	1.5K	5%	1/6W		R2388	1-249-429-11	CARBON	10K	5%	1/6W	
R2302	1-247-704-11	CARBON	220	5%	1/4W		R2389	1-249-417-11	CARBON	1K	5%	1/6W	
R2304	1-247-704-11	CARBON	220	5%	1/4W		R2390	1-247-717-11	CARBON	2.2K	5%	1/4W	



Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
R2391	1-247-717-11	CARBON	2.2K 5% 1/4W			DIODE	
		<u>SWITCH</u>					
S2001	1-570-145-11	SWITCH, S'IDE		D3420	8-719-911-19	DIODE 1SS119	
S2002	1-570-145-11	SWITCH, S'IDE		D3421	8-719-911-19	DIODE 1SS119	
S2003	1-570-145-11	SWITCH, S'IDE		D3422	8-719-911-19	DIODE 1SS119	
		<u>CONNECTOR</u>		D3423	8-719-110-17	DIODE RD10ES-B2	
UA1	*1-566-058-11	PIN, CONNECTOR 6P		D3424	8-719-110-36	DIODE RD13ES-B2	
UA2	*1-566-058-11	PIN, CONNECTOR 6P					
UA3	*1-566-056-11	PIN, CONNECTOR 4P		D3425	8-719-911-19	DIODE 1SS119	
UA4	*1-566-057-11	PIN, CONNECTOR 5P		D3426	8-719-109-93	DIODE RD6.2ES-B2	
UA5	*1-560-123-00	P'UG, CONNECTOR (2.5MM) 3P		D3428	8-719-911-19	DIODE 1SS119	
UA6	*1-566-057-11	PIN, CONNECTOR 5P		D3433	8-719-110-15	DIODE RD10ES-B	
UA8	*1-566-054-11	PIN, CONNECTOR 2P		D3434	8-719-110-15	DIODE RD10ES-B	
UA11	*1-566-055-11	PIN, CONNECTOR 3P					
*****						<u>IC</u>	
	*A-1373-060-A	UB BOARD, COMP'ETE	*****	IC3407	8-752-030-31	IC CXA1024S	
		<u>CAPACITOR</u>					
C3414	1-124-464-11	ELECT	0.22MF 20% 50V			<u>COIL</u>	
C3415	1-124-464-11	ELECT	0.22MF 20% 50V	L3401	1-408-424-00	MICRO INDUCTOR 180UH	
C3416	1-124-464-11	ELECT	0.22MF 20% 50V			<u>TRANSISTOR</u>	
C3417	1-124-464-11	ELECT	0.22MF 20% 50V	Q3429	8-729-900-36	TRANSISTOR DTC124ES	
C3418	1-124-464-11	ELECT	0.22MF 20% 50V	Q3431	8-729-178-54	TRANSISTOR 2SC2785	
C3419	1-124-464-11	ELECT	0.22MF 20% 50V	Q3432	8-729-178-54	TRANSISTOR 2SC2785	
C3420	1-101-004-00	CERAMIC	0.01MF 50V	Q3433	8-729-101-37	TRANSISTOR 2SC2785TP-F	
C3421	1-123-617-00	ELECT	10MF 20% 16V	Q3440	8-729-178-54	TRANSISTOR 2SC2785	
C3422	1-123-617-00	ELECT	10MF 20% 16V	Q3450	8-729-178-54	TRANSISTOR 2SC2785	
C3423	1-101-004-00	CERAMIC	0.01MF 50V	Q3451	8-729-117-54	TRANSISTOR 2SA1175	
C3424	1-108-833-00	MYLAR	0.0047MF 10% 50V			<u>RESISTOR</u>	
C3425	1-108-837-00	MYLAR	0.01MF 10% 50V	R3351	1-247-717-11	CARBON 2.2K 5% 1/4W	
C3426	1-108-845-00	MYLAR	0.047MF 10% 50V	R3352	1-249-429-11	CARBON 10K 5% 1/6W	
C3427	1-108-833-00	MYLAR	0.0047MF 10% 50V	R3353	1-249-429-11	CARBON 10K 5% 1/6W	
C3428	1-108-837-00	MYLAR	0.01MF 10% 50V	R3354	1-249-405-11	CARBON 100 5% 1/6W	
C3429	1-108-845-00	MYLAR	0.047MF 10% 50V	R3355	1-249-405-11	CARBON 100 5% 1/6W	
C3430	1-108-833-00	MYLAR	0.0047MF 10% 50V	R3356	1-249-405-11	CARBON 100 5% 1/6W	
C3431	1-108-845-00	MYLAR	0.047MF 10% 50V	R3357	1-249-409-11	CARBON 220 5% 1/6W	
C3433	1-108-837-00	MYLAR	0.01MF 10% 50V	R3358	1-249-429-11	CARBON 10K 5% 1/6W	
C3434	1-101-004-00	CERAMIC	0.01MF 50V	R3359	1-249-429-11	CARBON 10K 5% 1/6W	
C3435	1-124-236-00	ELECT	47MF 20% 16V	R3360	1-249-462-11	CARBON 22K 5% 1/4W	
C3436	1-124-247-00	ELECT	10MF 20% 25V	R3361	1-247-725-11	CARBON 10K 5% 1/4W	
C3437	1-101-004-00	CERAMIC	0.01MF 50V	R3363	1-247-701-11	CARBON 120 5% 1/4W	
C3438	1-124-445-00	ELECT	100MF 20% 16V	R3364	1-247-701-11	CARBON 120 5% 1/4W	
C3439	1-108-618-91	MYLAR	0.0022MF 10% 100V	R3365	1-247-701-11	CARBON 120 5% 1/4W	
C3442	1-124-445-00	ELECT	100MF 20% 16V	R3366	1-247-713-11	CARBON 1K 5% 1/4W	
C3443	1-123-617-00	ELECT	10MF 20% 16V	R3367	1-247-713-11	CARBON 1K 5% 1/4W	
C3462	1-124-445-00	ELECT	100MF 20% 16V	R3368	1-247-713-11	CARBON 1K 5% 1/4W	
C3463	1-123-820-00	ELECT	33MF 20% 16V	R3369	1-215-428-00	METAL 2K 1% 1/6W	
C3470	1-101-004-00	CERAMIC	0.01MF 50V	R3370	1-249-413-11	CARBON 470 5% 1/6W	
				R3371	1-249-413-11	CARBON 470 5% 1/6W	
				R3372	1-247-717-11	CARBON 2.2K 5% 1/4W	

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UB H3

Ref.No.	Part No.	Description	Remark
R3373	1-249-421-11	CARBON 2.2K 5% 1/6W	
R3374	1-215-493-00	CARBON 1M 5% 1/6W	
R3375	1-249-421-11	CARBON 2.2K 5% 1/6W	
R3376	1-249-421-11	CARBON 2.2K 5% 1/6W	
R3377	1-249-421-11	CARBON 2.2K 5% 1/6W	
R3378	1-249-429-11	CARBON 10K 5% 1/6W	
R3379	1-249-413-11	CARBON 470 5% 1/6W	
R3380	1-249-436-11	CARBON 39K 5% 1/6W	
R3381	1-249-434-11	CARBON 27K 5% 1/6W	
R3382	1-249-417-11	CARBON 1K 5% 1/6W	
R3383	1-249-417-11	CARBON 1K 5% 1/6W	
R3384	1-249-429-11	CARBON 10K 5% 1/6W	
R3385	1-249-417-11	CARBON 1K 5% 1/6W	
R3386	1-249-405-11	CARBON 100 5% 1/6W	
R3387	1-249-405-11	CARBON 100 5% 1/6W	
R3388	1-249-405-11	CARBON 100 5% 1/6W	
R3456	1-249-433-11	CARBON 22K 5% 1/6W	
R3460	1-249-438-11	CARBON 56K 5% 1/6W	
R3461	1-249-427-11	CARBON 6.8K 5% 1/6W	
R3470	1-246-529-00	CARBON 220K 5% 1/4W	
R3492	1-249-429-11	CARBON 10K 5% 1/6W	
R3493	1-249-429-11	CARBON 10K 5% 1/6W	
R3497	1-249-438-11	CARBON 56K 5% 1/6W	
R3498	1-215-477-00	CARBON 220K 5% 1/6W	
R3499	1-249-441-11	CARBON 100K 5% 1/6W	
<u>VARIABLE RESISTOR</u>			
RV3301	1-228-994-00	RES, ADJ, CARBON 10K	
RV3302	1-228-993-00	RES, ADJ, CARBON 4.7K	
<u>CONNECTOR</u>			
UB1	*1-566-058-11	PIN, CONNECTOR 6P	
UB2	*1-566-058-11	PIN, CONNECTOR 6P	
UB3	*1-566-054-11	PIN, CONNECTOR 2P	
UB4	*1-566-061-11	PIN, CONNECTOR 9P	
UB6	*1-566-054-11	PIN, CONNECTOR 2P	
UB7	*1-566-059-11	PIN, CONNECTOR 7P	
UB8	*1-566-057-11	PIN, CONNECTOR 5P	
UB9	*1-566-055-11	PIN, CONNECTOR 3P	
UB10	*1-566-056-11	PIN, CONNECTOR 4P	

*A-1375-064-A	H3 BOARD, COMPLETE	*****	
*1-566-054-11	PIN, CONNECTOR 2P		
*1-566-055-11	PIN, CONNECTOR 3P		
*1-566-057-11	PIN, CONNECTOR 5P		
<u>CAPACITOR</u>			
C971	1-108-830-00	MYLAR 0.0027MF 10% 50V	
C972	1-108-835-91	MYLAR 0.0068MF 10% 50V	
C973	1-108-837-00	MYLAR 0.01MF 10% 50V	
C974	1-123-617-00	ELECT 10MF 20% 16V	

Ref.No.	Part No.	Description	Remark
C981	1-130-487-00	MYLAR 0.022MF 5% 50V	
C990	1-123-617-00	ELECT 10MF 20% 16V	
C991	1-123-617-00	ELECT 10MF 20% 16V	
<u>DIODE</u>			
D971	8-719-109-85	DIODE RD5.1ES-B2	
D981	8-719-911-19	DIODE 1SS119	
D982	8-719-109-97	DIODE RD6.8ES-B2	
<u>IC</u>			
IC971	8-759-933-23	IC BA236	
IC990	8-759-171-05	IC UPC7805H	
<u>COIL</u>			
'990	1-408-424-00	MICRO INDUCTOR 180UH	
<u>TRANSISTOR</u>			
Q971	8-729-178-54	TRANSISTOR 2SC2785	
Q981	8-729-178-54	TRANSISTOR 2SC2785	
Q982	8-729-178-54	TRANSISTOR 2SC2785	
Q990	8-729-178-54	TRANSISTOR 2SC2785	
<u>RESISTOR</u>			
R977	1-249-433-11	CARBON 22K 5% 1/6W	
R978	1-249-433-11	CARBON 22K 5% 1/6W	
R979	1-249-429-11	CARBON 10K 5% 1/6W	
R980	1-249-408-11	CARBON 180 5% 1/6W	
R981	1-249-405-11	CARBON 100 5% 1/6W	
R982	1-249-432-11	CARBON 18K 5% 1/6W	
R983	1-249-427-11	CARBON 6.8K 5% 1/6W	
R984	1-249-417-11	CARBON 1K 5% 1/6W	
R985	1-249-418-11	CARBON 1.2K 5% 1/6W	
R986	1-249-420-11	CARBON 1.8K 5% 1/6W	
R987	▲ 1-249-397-51	CARBON 22K 5% 1/4W F 040LJ	
R991	1-249-417-11	CARBON 1K 5% 1/6W	
R992	1-249-434-11	CARBON 27K 5% 1/6W	
R993	1-249-434-11	CARBON 27K 5% 1/6W	
R994	1-249-438-11	CARBON 56K 5% 1/6W	
R995	1-249-437-11	CARBON 47K 5% 1/6W	
R996	1-247-795-00	CARBON 33 5% 1/6W	
R997	1-249-421-11	CARBON 2.2K 5% 1/6W	
R998	1-249-429-11	CARBON 10K 5% 1/6W	
<u>VARIABLE RESISTOR</u>			
RV972	1-228-725-00	RES, ADJ, CERAMIC CARBON 22K	
RV973	1-237-348-11	RES, VAR, CARBON 5K	
RV974	1-237-349-11	RES, VAR, CARBON 10K	
<u>SWITCH</u>			
S972	1-570-758-11	SWITCH, ROTARY	
S973	1-570-758-11	SWITCH, ROTARY	

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Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
*A-1389-843-A K BOARD, COMPLETE *****				<u>CONNECTOR</u>			
<u>CAPACITOR</u>				K2	*1-566-056-11	PIN, CONNECTOR 4P	
C201	1-136-165-00	FILM	0.1MF 5% 50V	K3	*1-566-059-11	PIN, CONNECTOR 7P	
C202	1-136-165-00	FILM	0.1MF 5% 50V	K4	*1-508-765-00	3P PLUG (M)	
C203	1-123-332-00	ELECT	47MF 20% 16V	K5	*1-560-123-00	PLUG, CONNECTOR (2.5MM) 3P	
C204	1-123-332-00	ELECT	47MF 20% 16V	K31	*1-566-059-11	PIN, CONNECTOR 7P	
C205	1-106-222-00	MYLAR	0.12MF 10% 100V	K32	*1-566-060-11	PIN, CONNECTOR 8P	
C206	1-102-125-00	CERAMIC	0.0047MF 10% 50V	K33	*1-566-062-11	PIN, CONNECTOR 10P	
C207	1-102-125-00	CERAMIC	0.0047MF 10% 50V	K34	*1-566-062-11	PIN, CONNECTOR 10P	
C208	1-106-222-00	MYLAR	0.12MF 10% 100V	K35	*1-566-056-11	PIN, CONNECTOR 4P	
C209	1-123-380-00	ELECT	1MF 20% 50V	<u>COIL</u>			
C210	1-123-369-00	ELECT	4.7MF 20% 25V	L201	1-407-708-00	MICRO INDUCTOR 180UH	
C211	1-123-369-00	ELECT	4.7MF 20% 25V	<u>TRANSISTOR</u>			
C212	1-123-369-00	ELECT	4.7MF 20% 25V	Q201	8-729-178-54	TRANSISTOR 2SC2785	
C213	1-123-321-00	ELECT	220MF 20% 16V	Q207	8-729-177-43	TRANSISTOR 2SD774	
C214	1-136-165-00	FILM	0.1MF 5% 50V	Q209	8-729-117-54	TRANSISTOR 2SA1175	
C215	1-136-165-00	FILM	0.1MF 5% 50V	<u>RESISTOR</u>			
C218	1-123-324-00	ELECT	1000MF 20% 16V	R201	1-249-441-11	CARBON 100K 5% 1/6W	
C219	1-124-445-00	ELECT	100MF 20% 16V	R202	1-249-441-11	CARBON 100K 5% 1/6W	
C221	1-124-042-91	ELECT	0.47MF 20% 50V	R203	1-249-419-11	CARBON 1.5K 5% 1/6W	
C222	1-124-126-00	ELECT	47MF 20% 16V	R204	1-249-429-11	CARBON 10K 5% 1/6W	
C224	1-124-042-91	ELECT	0.47MF 20% 50V	R205	1-249-429-11	CARBON 10K 5% 1/6W	
C225	1-123-379-00	ELECT	0.47MF 20% 50V	R206	1-249-429-11	CARBON 10K 5% 1/6W	
C226	1-123-875-91	ELECT	10MF 20% 50V	R207	1-249-419-11	CARBON 1.5K 5% 1/6W	
C227	1-124-901-00	ELECT	1000MF 20% 35V	R208	1-249-419-11	CARBON 1.5K 5% 1/6W	
C228	1-108-633-81	MYLAR	0.039MF 10% 100V	R209	1-249-430-11	CARBON 12K 5% 1/6W	
C229	1-124-908-11	ELECT	22MF 20% 25V	R210	1-249-430-11	CARBON 12K 5% 1/6W	
C230	1-106-222-00	MYLAR	0.12MF 10% 100V	R212	1-249-425-11	CARBON 4.7K 5% 1/6W	
C231	1-123-336-00	ELECT	470MF 20% 25V	R221	1-215-865-11	METAL OXIDE 220 5% 1W F	
C232	1-108-633-81	MYLAR	0.039MF 10% 100V	R223	1-215-471-00	CARBON 120K 5% 1/6W	
C233	1-124-125-91	ELECT	22MF 20% 25V	R224	1-249-412-11	CARBON 390 5% 1/6W	
C234	1-106-222-00	MYLAR	0.12MF 10% 100V	R226	1-215-471-00	CARBON 120K 5% 1/6W	
C235	1-123-336-00	ELECT	470MF 20% 25V	R227	1-249-412-11	CARBON 390 5% 1/6W	
C244	1-123-332-00	ELECT	47MF 20% 16V	R228	1-249-429-11	CARBON 10K 5% 1/6W	
C257	1-123-356-00	ELECT	10MF 20% 16V	R229	1-249-385-11	CARBON 2.2 5% 1/6W F	
C283	1-124-126-00	ELECT	47MF 20% 16V	R230	1-249-429-11	CARBON 10K 5% 1/6W	
<u>DIODE</u>				R231	1-249-385-11	CARBON 2.2 5% 1/6W F	
D201	8-719-101-61	DIODE RD6.2E-L2		R235	1-249-419-11	CARBON 1.5K 5% 1/6W	
D202	8-719-101-86	DIODE RD13E-L2		R236	1-249-423-11	CARBON 3.3K 5% 1/6W	
D203	8-719-911-19	DIODE 1SS119		R243	1-249-417-11	CARBON 1K 5% 1/6W	
D204	8-719-911-19	DIODE 1SS119		R244	1-249-417-11	CARBON 1K 5% 1/6W	
D206	8-719-911-19	DIODE 1SS119		R245	1-249-417-11	CARBON 1K 5% 1/6W	
D207	8-719-911-19	DIODE 1SS119		R246	1-249-417-11	CARBON 1K 5% 1/6W	
D1519	8-719-110-37	DIODE RD13ES-B3					
<u>IC</u>							
IC201	8-759-276-30	IC TA7630P					
IC204	8-759-205-84	IC TA7273P					

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H2 N

Ref.No.	Part No.	Description	Remark
D961	9-990-893-01	LED TLY263P	
<u>RESISTOR</u>			
R935	1-247-703-11	CARBON	180 5% 1/4W
R937	1-247-714-11	CARBON	1.2K 5% 1/4W
R938	1-247-700-11	CARBON	100 5% 1/4W
R939	1-247-700-11	CARBON	100 5% 1/4W
R940	1-247-700-11	CARBON	100 5% 1/4W
R941	1-247-700-11	CARBON	100 5% 1/4W
R942	1-247-700-11	CARBON	100 5% 1/4W
R943	1-247-700-11	CARBON	100 5% 1/4W
R944	1-247-700-11	CARBON	100 5% 1/4W
R945	1-247-700-11	CARBON	100 5% 1/4W
R946	1-247-700-11	CARBON	100 5% 1/4W
R947	1-247-700-11	CARBON	100 5% 1/4W
R948	1-247-700-11	CARBON	100 5% 1/4W
R949	1-247-700-11	CARBON	100 5% 1/4W
R950	1-247-700-11	CARBON	100 5% 1/4W
R951	1-247-700-11	CARBON	100 5% 1/4W
<u>SWITCH</u>			
S935	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)	
S936	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)	
S937	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)	
S938	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)	
S939	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)	
S940	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)	
S941	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)	
S942	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)	
S943	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)	

*9-990-898-01	N BOARD (KEY BOARD UNIT B)		*****
<u>IC</u>			
IC935	8-741-138-70	IC BX1387 (DETECTOR)	

<u>MISCELLANEOUS</u>			

△	1-237-614-11	RESISTOR ASSY, HIGH-VOLTAGE	
△	1-426-301-11	COIL, DEMAGNETIZATION	
△	1-451-295-11	DEFLECTION YOKE (SY-153E)	
	1-452-032-00	MAGNET, DISK; 10MM φ	
	1-452-094-00	MAGNET, ROTATABLE DISK; 15MM φ	
	1-452-277-00	MAGNET, BMC	
	1-464-771-11	KEY BOARD UNIT (A)	
	1-464-772-11	KEY BOARD UNIT (B)	
△	1-526-920-12	AC OUTLET (WITH EARTH)	
△	1-557-970-11	CORD, POWER	

Ref.No.	Part No.	Description	Remark
S1901A	1-554-965-12	SWITCH, PUSH (AC POWER)(1 KEY)	
S1902A	1-570-757-11	SWITCH, PUSH (DEGAUSS SWITCH)	
T604	1-439-372-31	TRANSFORMER ASSY, FLYBACK	
V901	1-8-736-955-05	CRT (A51JKQ10X)	

ACCESSORIES AND PACKING MATERIALS

Part No.	Description	Remark
A-1470-783-A	COMMANDER ASSY (RM-739)	
1-566-316-11	CONNECTOR, CONVERSION	
*4-377-015-01	BAG, PROTECTION	
*4-382-067-01	CUSHION (UPPER) (ASSY)	
*4-382-068-01	CUSHION (LOWER) (ASSY)	
*4-383-138-01	INDIVIDUAL CARTON (FOR WHITE)	
*4-383-139-01	INDIVIDUAL CARTON (FOR BLACK)	
4-482-344-23	MANUAL, INSTRUCTION	
4-491-213-22	INSTRUCTION	

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