

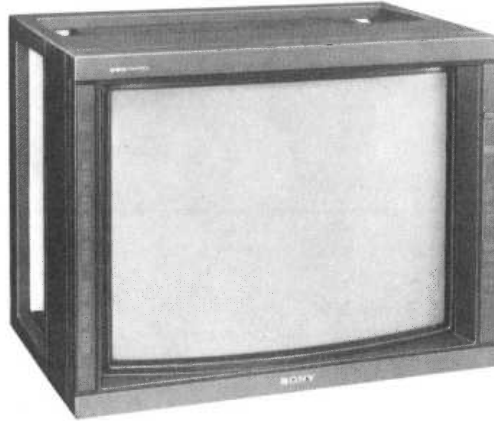
9/67

PVM-2530

RM-739

SERVICE MANUAL

US Model
Canadian Model
Chassis No. SCC-A58A-A



December, 1986

THIS MANUAL CONTAINS
SUPPLEMENTS No. 1 .

SPECIFICATIONS

Note: The service manuals for RM-739
have been issued separately.

Color system NTSC system
 Picture tube Trinitron tube
 Approx. 63.5 cm picture measured diagonally,
 100-degree deflection, AG Pitch 0.73 mm

Resolution VTR inputs: 560 TV lines
 RGB inputs: 640 x 200 dots
 (2000 characters)

Color temperature 9300°K

Frequency response 10 MHz (-3 to +4 dB, RGB)
 6 MHz (+3 dB, composite video)

Horizontal linearity Less than ±5%
 Vertical linearity Less than ±5%
 Line pull range Horizontal: +500 Hz
 Vertical: -8 Hz

Overscan of the picture Less than +7%

Input return loss More than 35 dB up to 4 MHz
 Zooming Within 5%
 Convergence Central area: within 1.0 mm
 Periphery: within 1.8 mm

Inputs
 VIDEO IN: LINE A/B: BNC connector
 composite video, 1 Vp-p ±6 dB, sync negative,
 75-ohms termination switchable
 VTR: 8-pin connector,
 composite video, 1 Vp-p ±6 dB,
 sync negative, 75-ohms terminated

AUDIO IN: LINE A/B: Phono jack,
 -5 dBs, high impedance
 VTR: 8-pin connector, -5 dBs,
 high impedance

CMPTR 25-pin connector (See "Pin assignment")

Outputs
 VIDEO OUT: LINE A/B: BNC connector
 AUDIO OUT: LINE A/B: Phono jack
 SPEAKER: 8 ohms

Power requirements 120 V AC, 50/60 Hz

Power consumption 180 W max

Dimensions Approx. 653 x 508 x 491 mm (w/h/d)
 (25 3/4 x 20 x 19 3/8 inches)

Weight Approx. 53 kg (116 lb 14 oz)

Supplied accessories

Remote commander RM-739, with 2 batteries
 (IEC designation R6) 1
 BNC-Phono adaptor plug..... 4

Optional accessories

SU-539 TV stand
 SU-541 TV stand
 SS-X6A speaker system
 APM-X5A speaker system

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 10 North Main St
 Wharton NJ 07885
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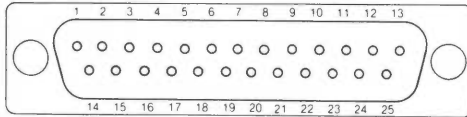
TRINITRON COLOR VIDEO MONITOR

SONY®



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 AUDIO IN jacks
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.

TROUBLESHOOTING

If these symptoms occur when you begin operation, follow the suggestions below.

SYMPTOMS	CORRECTIONS
No controllable keys although the POWER switch is turned on.	• Press the CONTROL key.
No indication appears although the CONTROL key is pressed.	• Set the MANUAL CONTROL switch on the rear panel to ON.
Remote control is not possible.	• Set the REMOTE CONTROL switch on the rear panel to ON.

If the problem still cannot be solved, contact your authorized Sony dealer.

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.

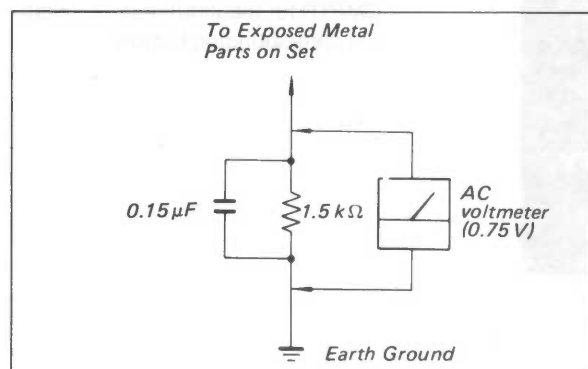


Fig. A. Using an AC voltmeter to check AC leakage.

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 2V AC range are suitable. (See Fig. A)

HOW TO FIND A GOOD EARTH GROUND

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

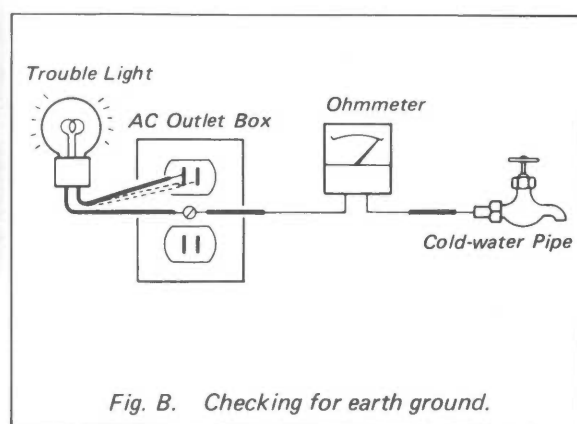



Fig. B. Checking for earth ground.


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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 AUX COMPOSANTS RELATIFS À LA SÉCURITÉ!!

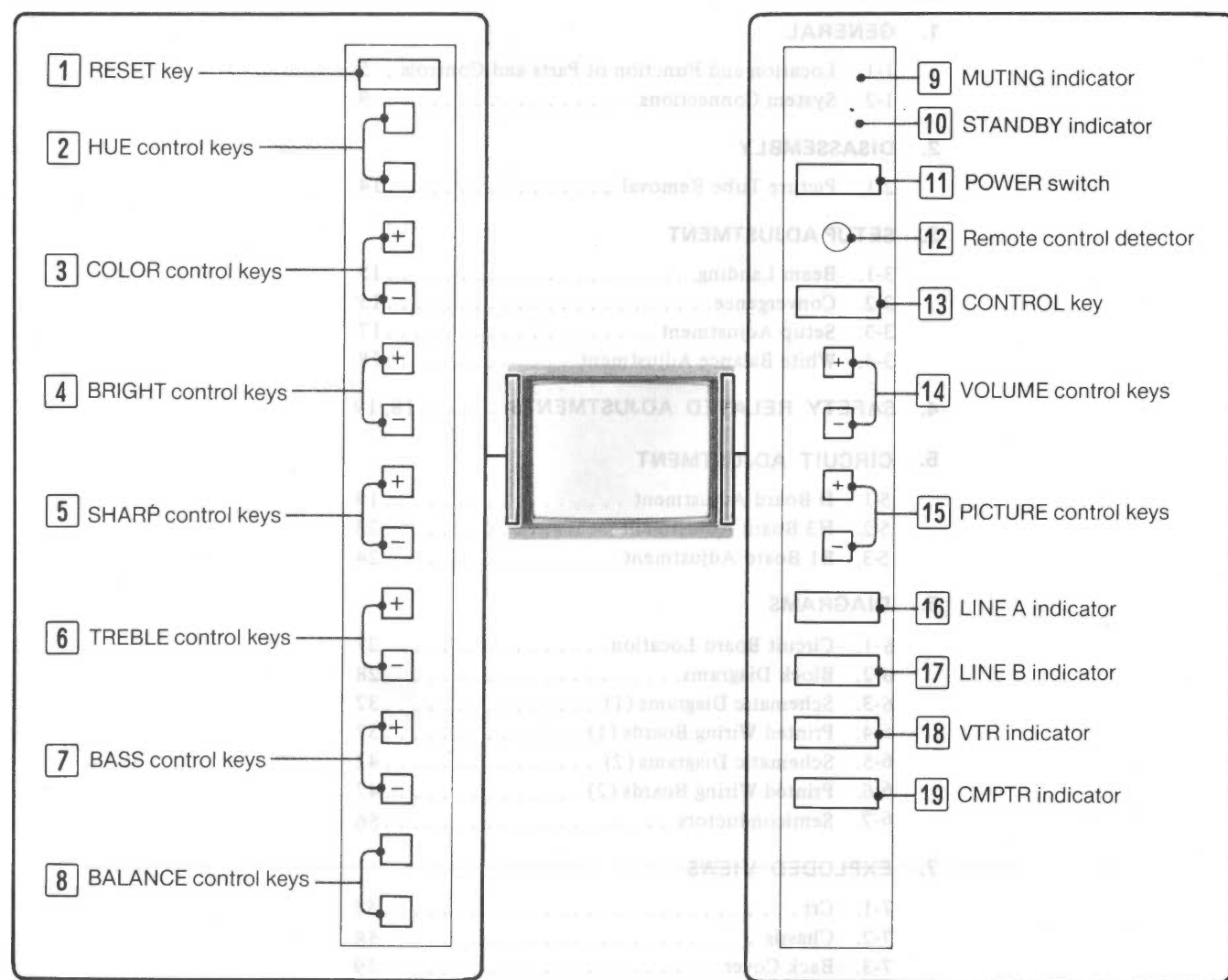
LES COMPOSANTS IDENTIFIÉS PAR UNE TRAME ET PAR UNE MARQUE  SUR LES SCHÉMAS DE PRINCIPE, LES VUES EXPLOSÉES ET LES LISTES DE PIÈCES SONT D'UNE IMPORTANCE CRITIQUE POUR LA SÉCURITÉ DU FONCTIONNEMENT. NE LES REMPLACER QUE PAR DES COMPOSANTS SONY DONT LE NUMÉRO DE PIÈCE EST INDIQUÉ DANS LE PRÉSENT MANUEL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

SECTION 1

GENERAL

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.

- 1 RESET key**
Press this key to return to the standard setting.
• This key is effective only for the control keys on the left.
- 2 HUE control keys**
Press the GRN (green) key to make the skin tones greenish or the PUR (purple) key to make it purplish.
- 3 COLOR control keys**
Press the + key to make the color intensity vivid or the - key to make it pale.
- 4 BRIGHT (brightness) control keys**
Press the + key to make the picture brighter or the - key to make it darker.

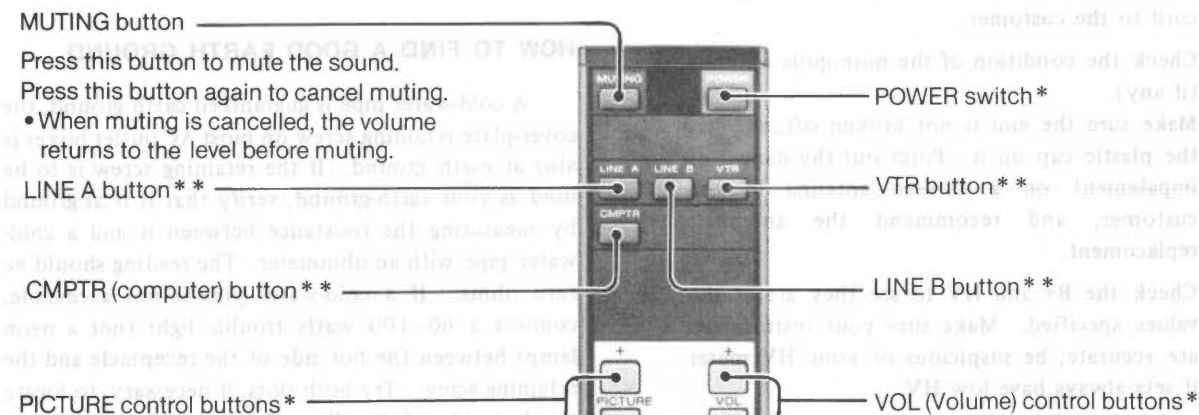
- 5 SHARP (sharpness) control keys**
Press the + key to obtain a sharp picture or the - key to obtain a less sharp picture.
- 6 TREBLE control keys**
Press the + key to increase the treble (high tone) or the - key to decrease it.
- 7 BASS control keys**
Press the + key to increase the bass (low tone) or the - key to decrease it.
- 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.

- 9 MUTING indicator**
Illuminates while the sound is muted.
• Muting is controlled only by a remote commander.
- 10 STANDBY 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.

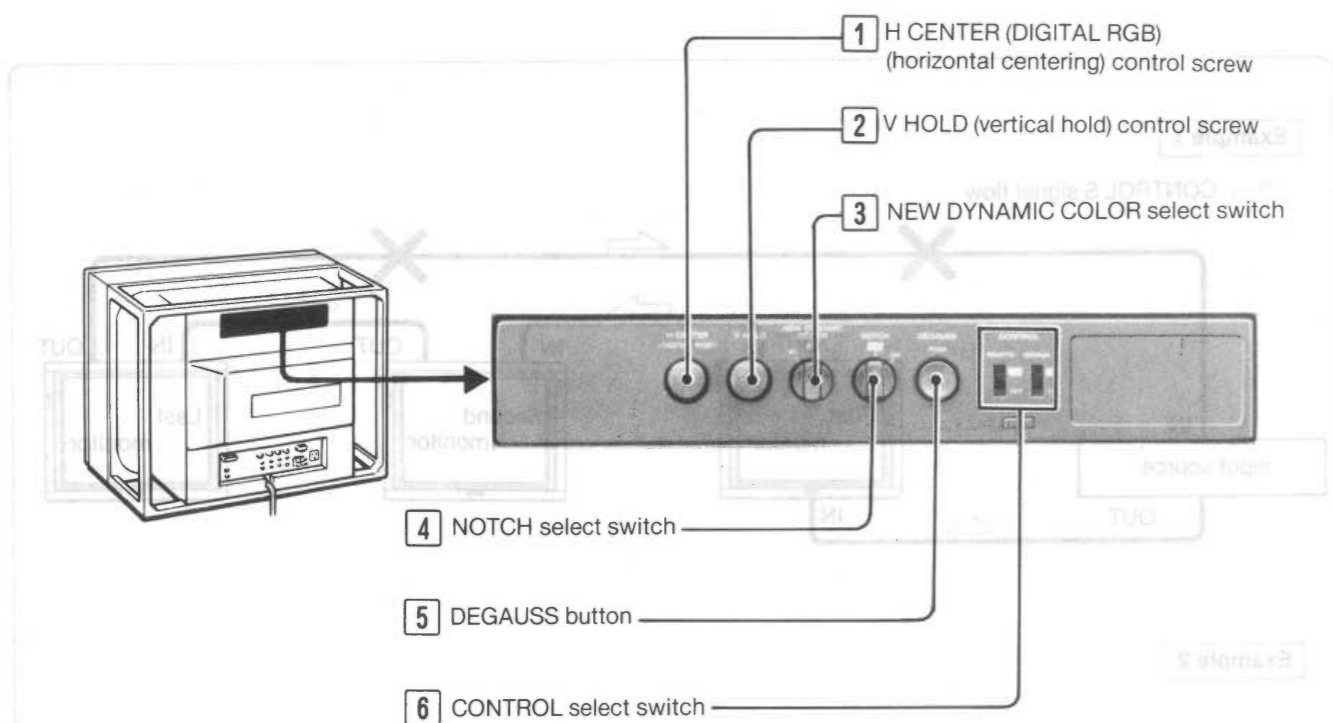
Key illumination
For the keys 1 through 8, 14 and 15:
• While each key is pressed, it blinks, indicating that adjustment is going on.
• During adjustment, if the adjustment value reaches the limit, the blinking speed becomes slower.

Remote commander



* 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.

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

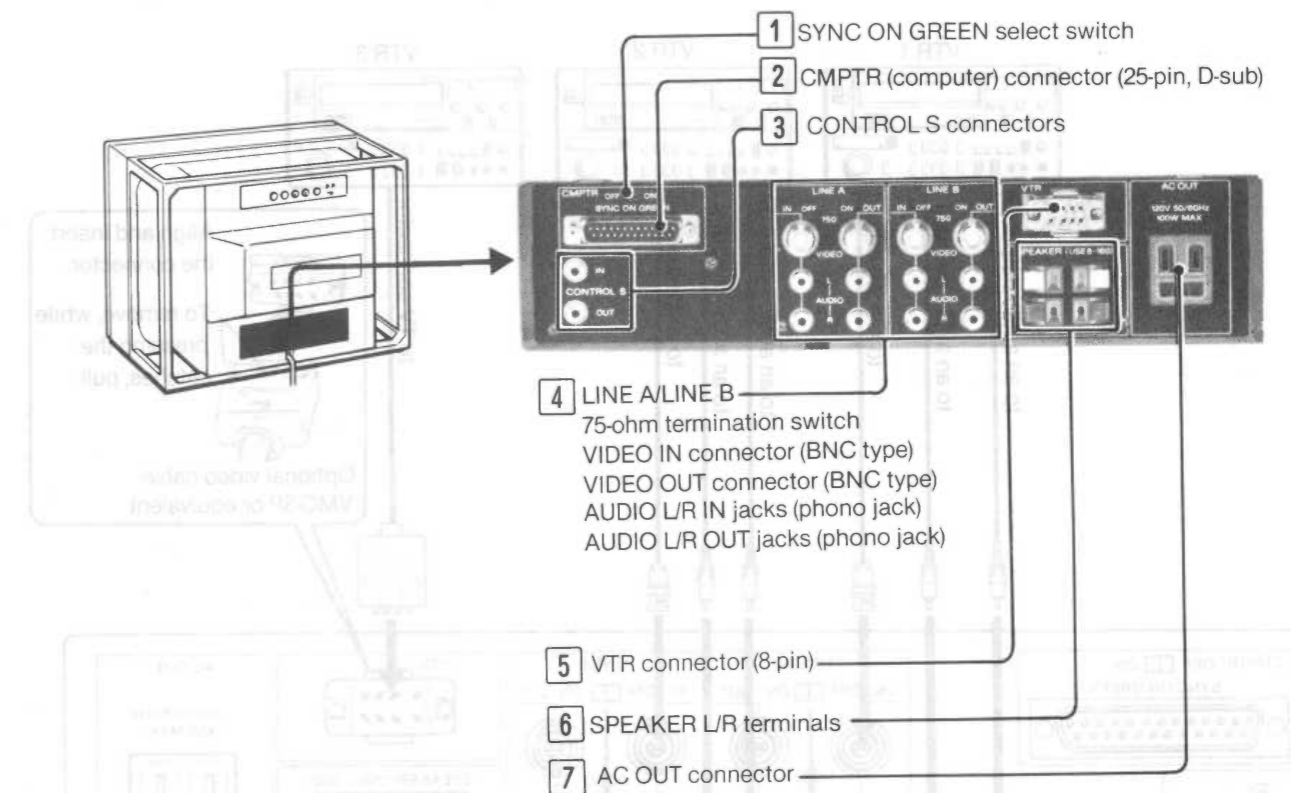
Set this switch to ON to control the monitor with a Remote Commander.
If this switch is set to OFF, the remote control is not possible.

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.)

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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.

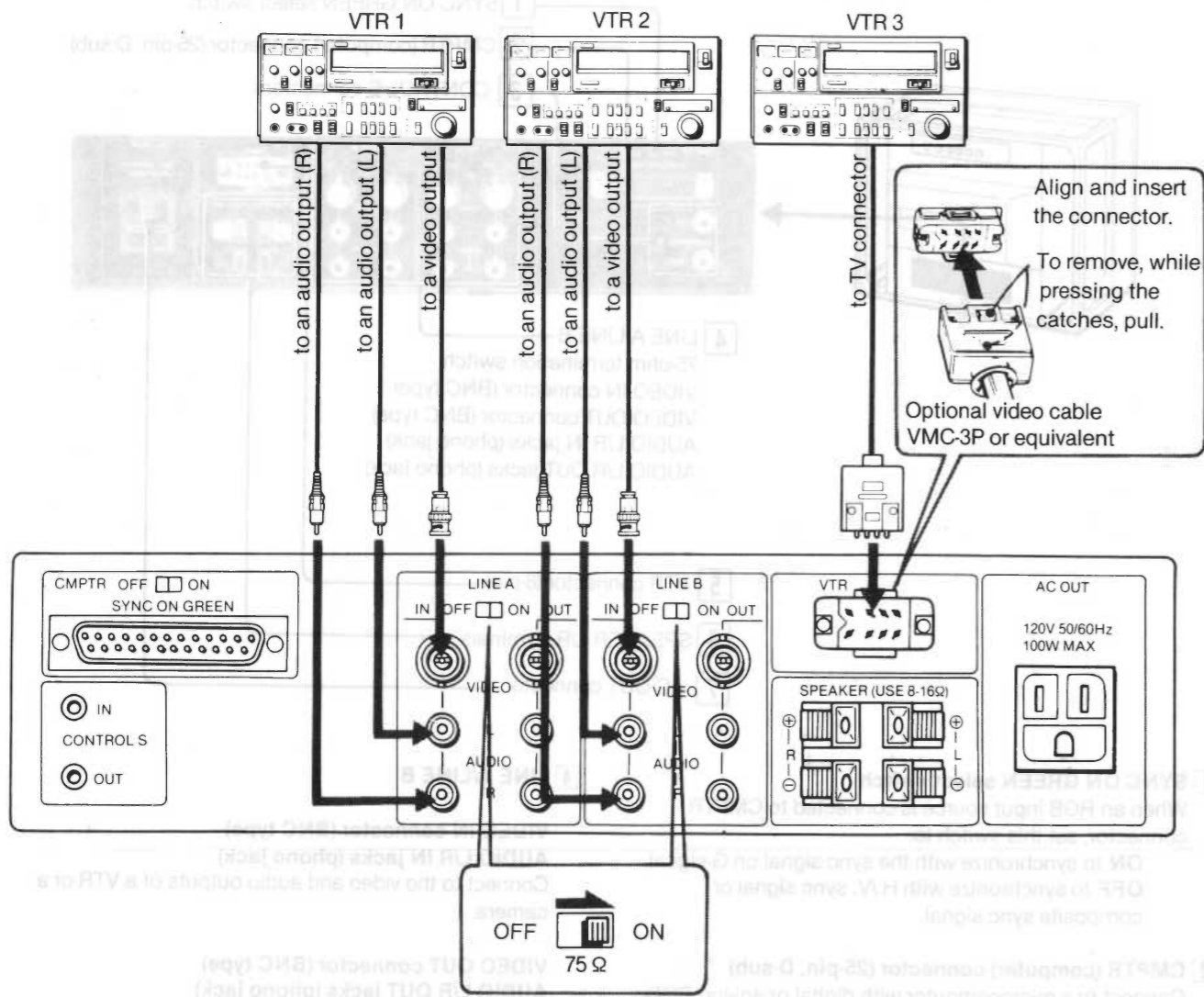
6 SPEAKER (USE 8 - 16Ω) L/R terminals

Connect to speakers with 8 to 16 ohms impedance.

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

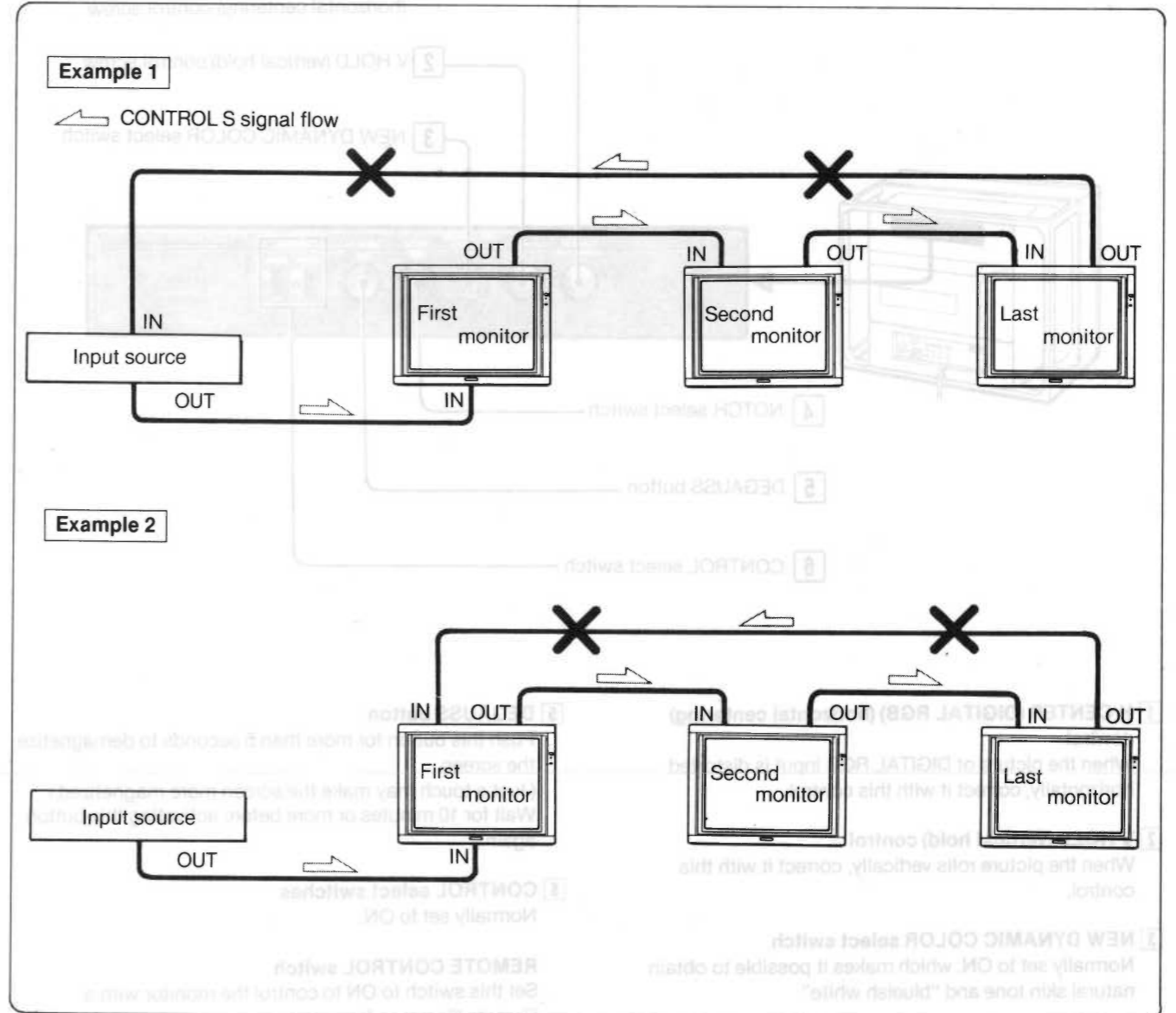
This outlet provides AC power of 100 W max. **Only for a connected microcomputer.**

1-2. SYSTEM CONNECTIONS
CONNECTING A VTR

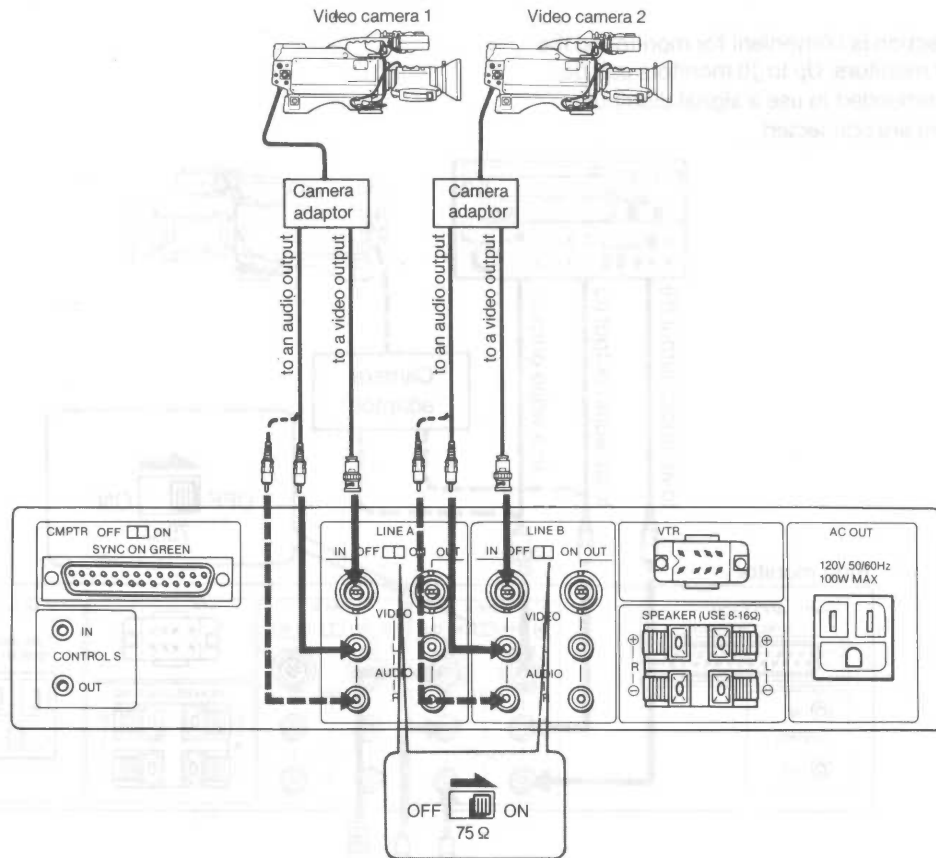


Note

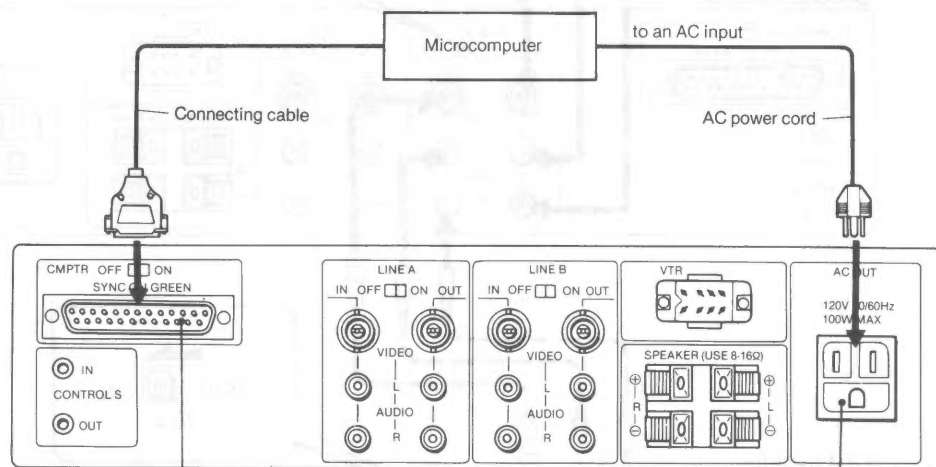
Do not use the following loop connections.



CONNECTING A VIDEO CAMERA



CONNECTING A MICROCOMPUTER



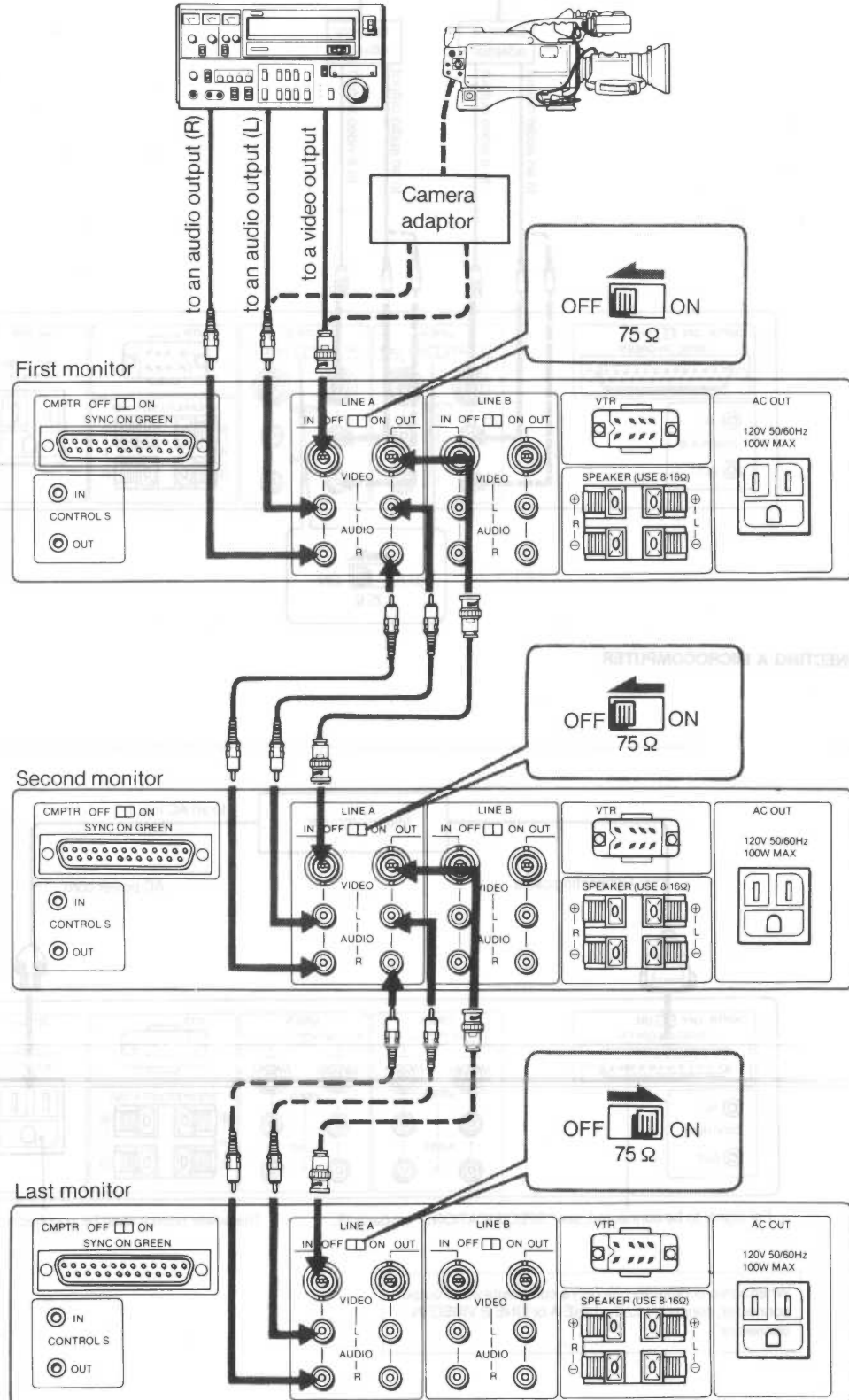
For signal to be connected, see "SPECIFICATIONS" on page 15.

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.

CONNECTING SEVERAL MONITORS

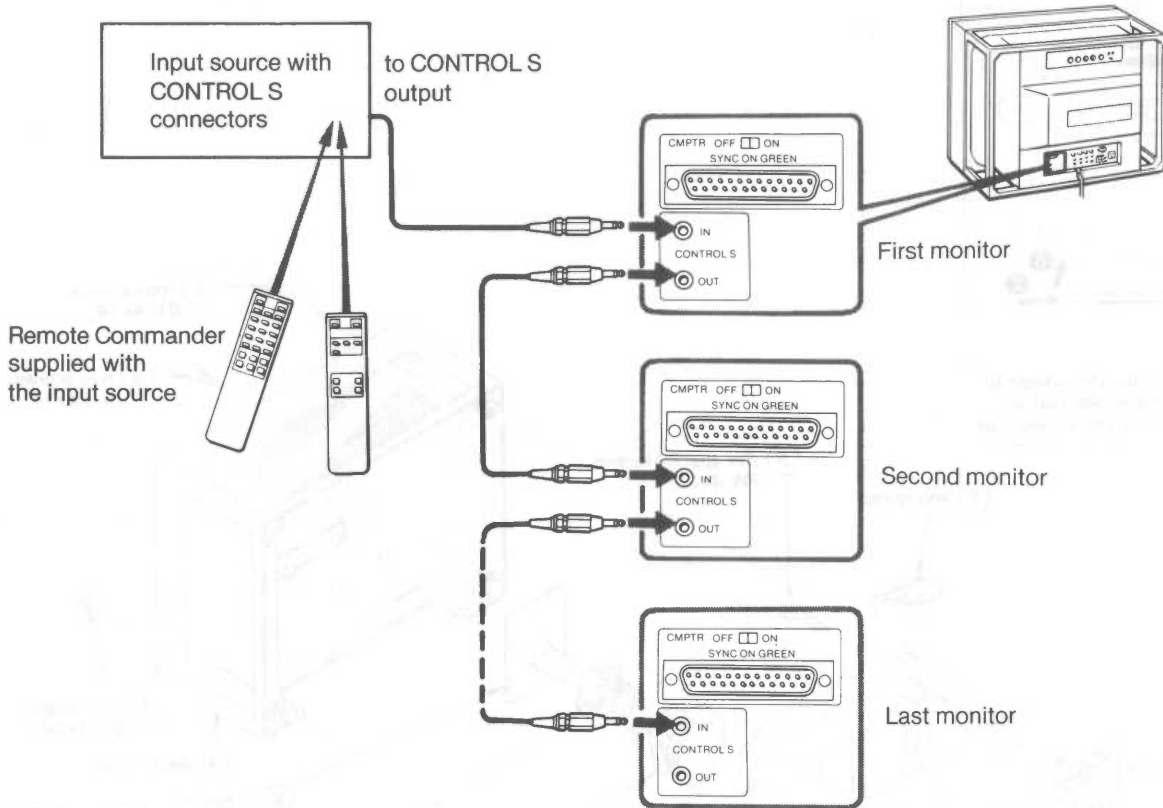
A loop-through connection is convenient for monitoring the same signal on other monitors. Up to 10 monitors can be connected. It is recommended to use a signal distributor when several monitors are connected.



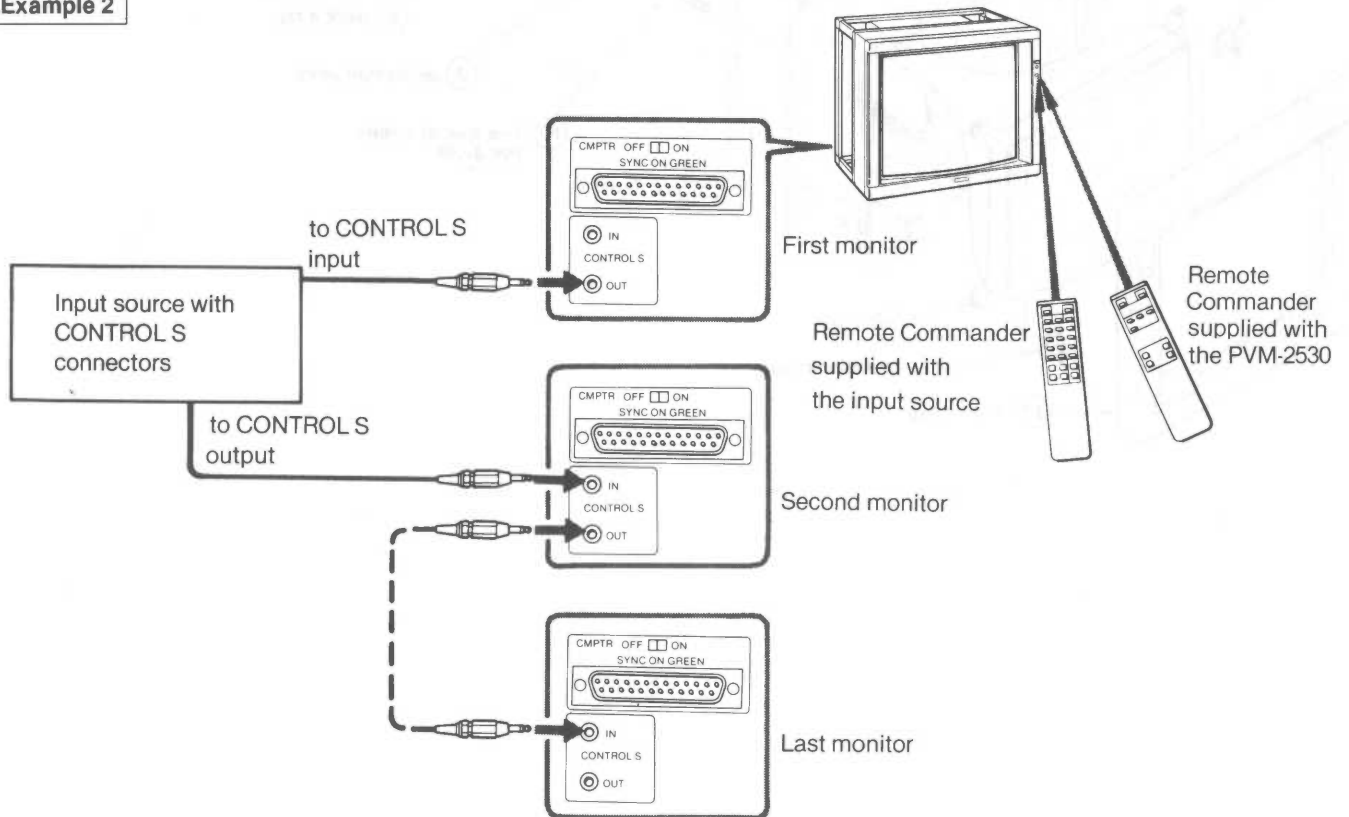
CONTROL S connection

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

Example 1

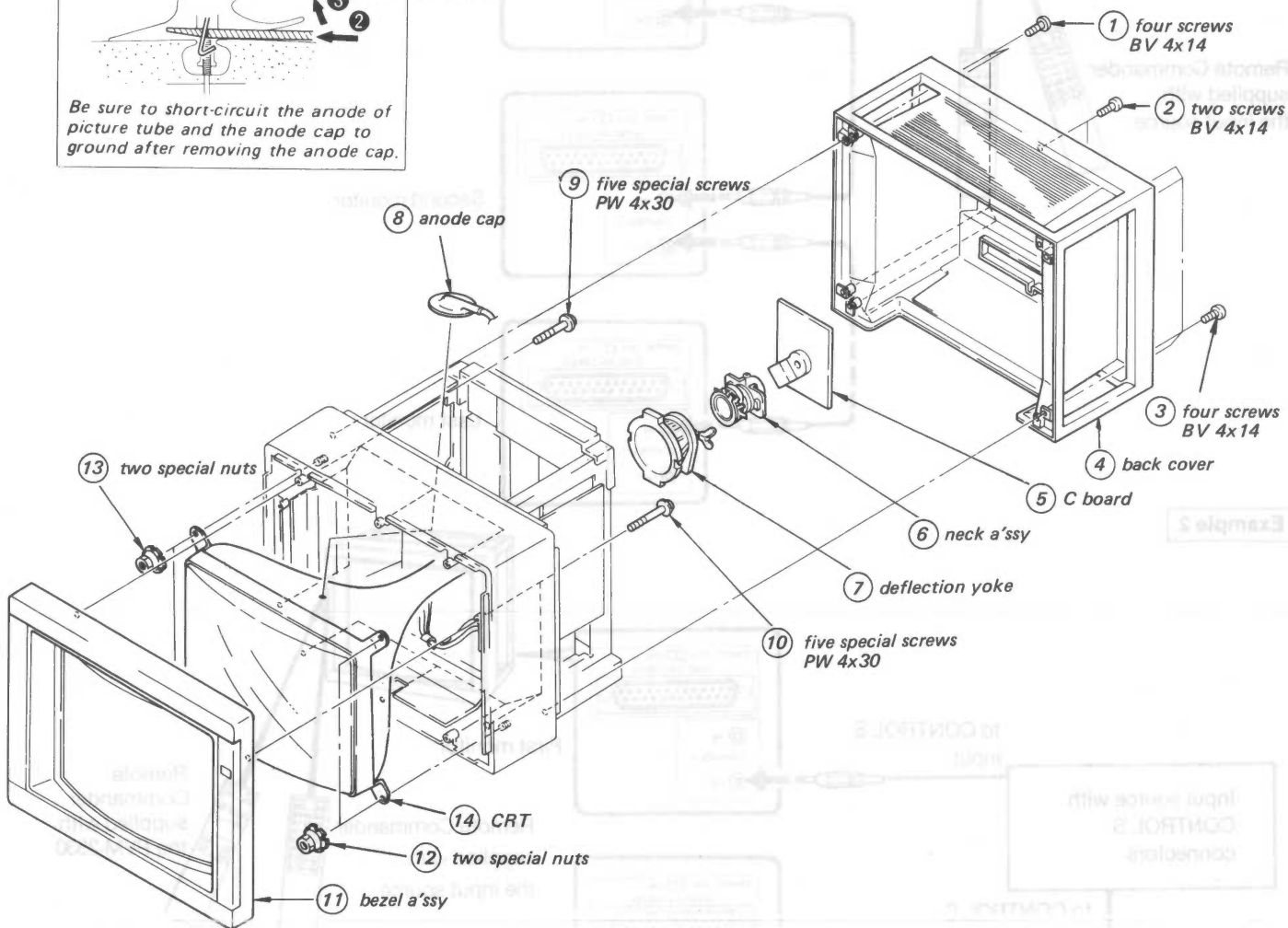
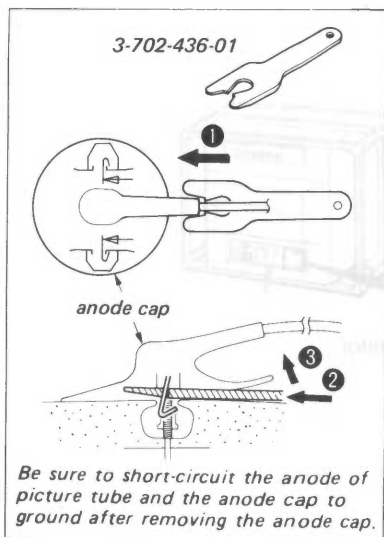


Example 2



SECTION 2 DISASSEMBLY

2-1. PICTURE TUBE REMOVAL



SECTION 3 SETUP 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.

Perform the adjustments in order as follows:

1. Beam Landing
2. Convergence
3. SCREEN and White Balance

Note: Test Equipment Required.
1. Color-bar/Pattern Generator
2. Degausser

3-1. BEAM LANDING

Preparation:

- Feed in the white pattern.
 - Before starting, degauss the entire screen.
1. Loosen deflection yoke screw.
 2. Position neck ass'y as shown in Fig. 3-1.
 3. Adjust purity control as shown in Fig. 3-2.
 4. Slide deflection yoke as far forward as it will go.
 5. Turn the raster signal of the pattern generator to red.
 6. Adjust purity control to center vertical red band as shown in Fig. 3-3.
 7. Slide deflection yoke back for a uniform red screen.
 8. Check green and blue rasters for uniformity by performing the same way as steps 5,6 and 7.
 9. Tighten the deflection yoke screw.
 10. Check if mislanding appears at corners a – d as shown in Fig. 3-4. If mislanding is observed, correct it as shown in Fig. 3-4.
 11. Confirm that beam landing is correct when the receiver is faced in all directions.

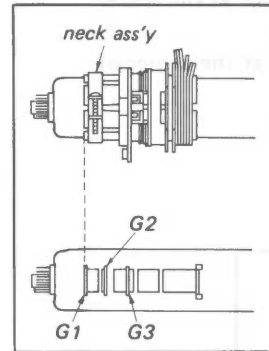


Fig. 3-1.

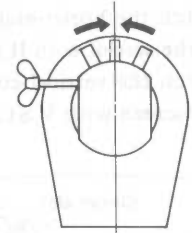


Fig. 3-2.

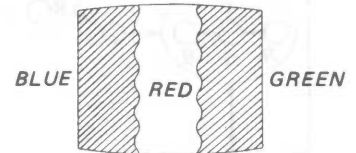


Fig. 3-3.

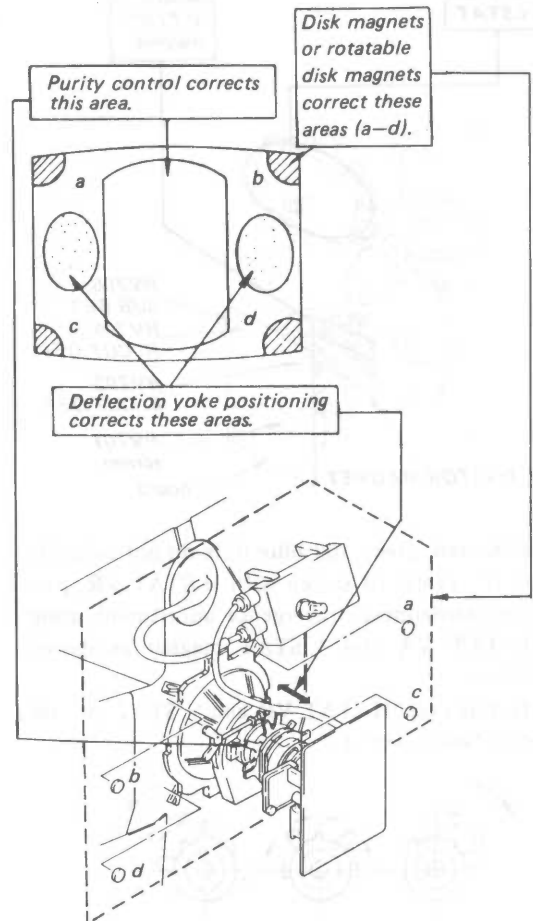
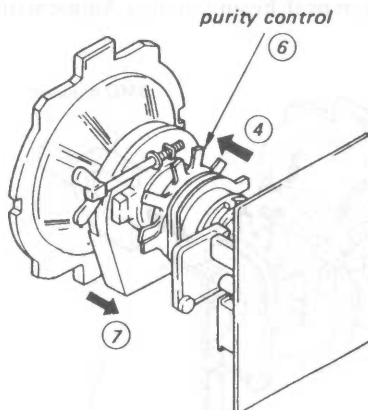


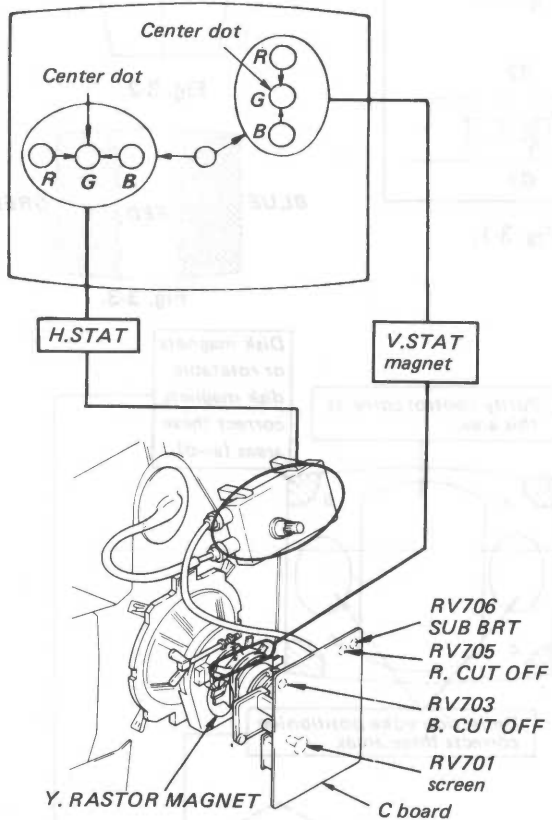
Fig. 3-4.

CONVERGENCE

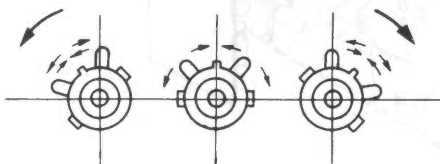
Preparation:

- PICTURE
 - BRIGHTNESS
 - CORNER BOW (RV2504)
 - H.TILT (RV2502)
 - Y.BOW (RV2503)
 - H.AMP (RV2501)
 - Y.CROSS (RV2505)
- } fully counterclockwise
- D₂ board
mechanical center

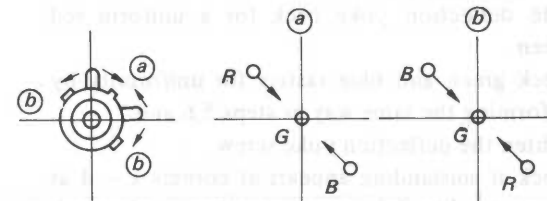
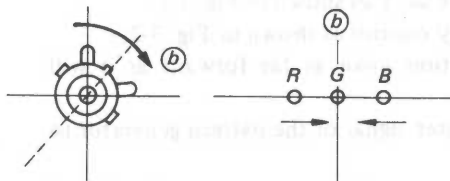
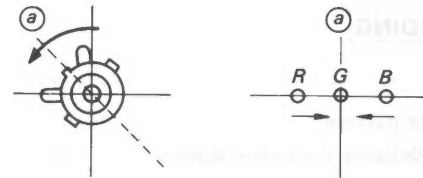
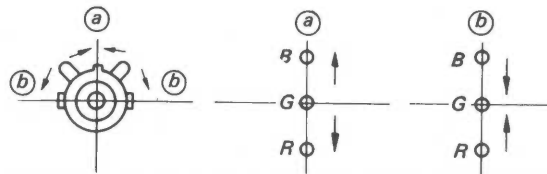
1. Match the horizontal convergence at the center of the screen with H.STAT VR.
2. Match the vertical convergence at the center of the screen with V.STAT Mg.



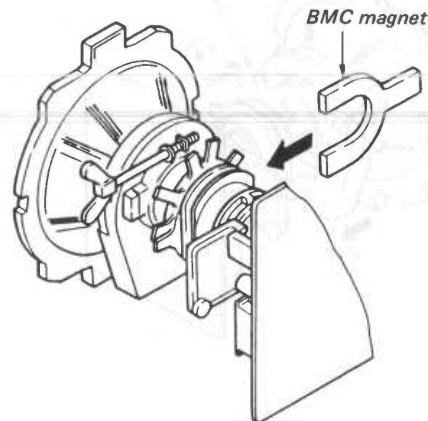
3. If the red, green and blue dots do not coincide on the center of screen with H.STAT VR, perform horizontal convergence adjustment using H.STAT VR and V.STAT magnet as shown below.
(In this case, H.STAT VR and V.STAT magnet effect each other.)



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 dot, perform following steps.
Move BMC magnet (a) to correct insufficient H. static convergence.
In either case, repeat Beam Landing Adjustment.



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.
4. Tighten the deflection yoke screw.
5. Install the deflection yoke spacers.
6. Adjust the Y.CROSS (RV2505) and Y. BOW (RV2503), so that RED and BLUE shown in Fig.-1 will become $a=b=c$.

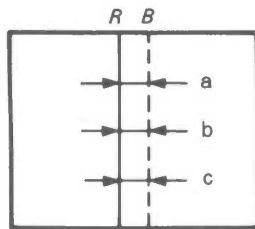


Fig. 1

7. Match the horizontal convergence at the center of the screen with H STAT VR.
8. Adjust the CORNER BOW (RV2504), so that RED and BLUE shown in Fig.-2 will become $a=b=c$ and $d=e=f$.

Note: At this point, if the relationship between $a=c$ or $d=f$ is not established, adjust the Y · CROSS (RV2505) again.

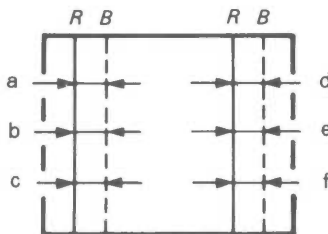


Fig. 2

9. Match the horizontal convergence at the center of the screen with the H STAT VR.
10. Adjust the H TILT (RV2502) so that the RED and BLUE shown in Fig.-3 will become $a=b$.

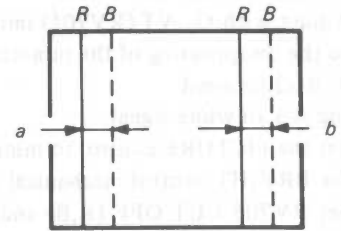


Fig. 3

11. Adjust the H AMP (RV2501) so that the RED and BLUE shown in Fig.-4 will become $a=2b$.

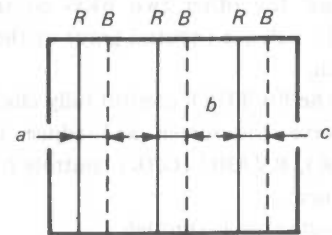
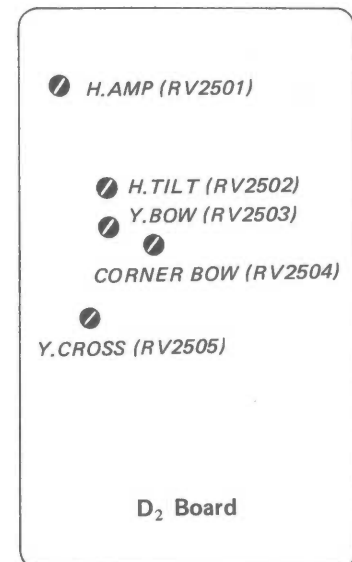


Fig. 4

12. Match the horizontal convergence at the center of the screen with the H STAT VR.
13. When the H AMP is adjusted repeat the procedures described in Steps 5 to 7.
14. If divergence of the convergence exists at the corner of the screen, the adjustments described in Steps after 3 should be repeated.



PRINTED BOARD
(Conductor Side)

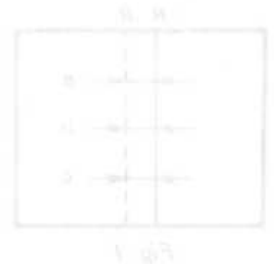
WHITE BALANCE ADJUSTMENT

- 1) SCREEN (G_2) adjustment
 1. Confirm that G_1 line voltage is 30 ± 5 Vdc.
 2. Adjust CUT OFF VR (R,B) so that R,B cathode voltage becomes 180 V DC.
Adjust with G_2 VT (RV701) immediately prior to the disappearing of the luminescent line.
- 2) W/B adjustment
 1. Input a all white signal.
 2. Set the PICTURE control to minimum and turn the BRIGHT control mechanical center.
 3. Set RV705 CUT OFF (R,B) and RV703 (CUT OFF) to minimum.
 4. Turn RV701 (SUB BRT) slowly to obtain a faintly visible cross-hatch.
Note the color that first becomes visible by turning RV701.
 5. Adjust the other two BKG controls for best white balance (neutral gray) of the faint cross-hatch.
 6. Set the PICTURE control fully clockwise.
Observe the screen and adjust the RV3301 (B,IK), RV3302 (G,IK) controls for best white balance.
 7. Repeat steps 1, through 7.

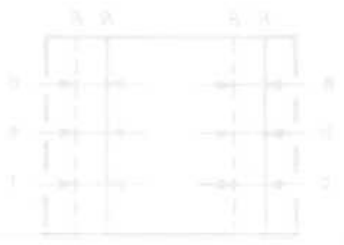


DYNAMIC CONVERGENCE ADJUSTMENT

- Preparation
- Before starting, perform Horizontal and Vertical Static Convergence Adjustment.
1. Loosen deflection yoke screws.
 2. Remove deflection yoke spacer.
 3. Move the deflection yoke to the final convergence.
 4. Tighten the deflection yoke screws.
 5. Install the deflection yoke spacer.
 6. Adjust the Y CROSS (RV320) and Y B/W (RV320) so that RED and BLUE show in Fig. 1 will look like Fig. 2.



7. Match the horizontal convergence by the center of the screen with H STAT VR.
 8. Adjust the CORNER B/W (RV320) so that RED and BLUE shown in Fig. 1 will become the red and blue.
- Note: At this point of the adjusting between steps 7 and 8, the deflection yoke spacer (RV320) is used.



**SECTION 4
SAFETY RELATED ADJUSTMENT**

PVM-2530
RM-739

PVM-2530
RM-739

HOLD DOWN ADJUSTMENT (R597)

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

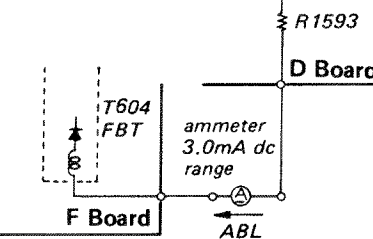
C1509, IC1501, IC1503, D520, D521, D522, D1540, Q522, Q523, R593, R594, R595, R596, R597, R598, R599, R1350, R1518, R1519, R1520, R1521, R1522, R1523, R1525, R1590, R1592, R1593, R1594, R1595, R1597, R1598.

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 TP85 is more than 8.7V DC when the set is operating normally with 120V AC supply.
3. Adjust ABL current to $1600 \pm 30 \mu A$ with PICTURE and BRIGHTNESS.
4. Confirm that there is less than 10.50V DC where by the raster disappears during operation of hold-down circuit. (HOLD DOWN check point of TP85)
5. Adjust ABL current to $290 \pm 5 \mu A$ with PICTURE and BRIGHTNESS.

6. Confirm that there is less than 11.00V DC where by the raster disappears during operation of hold-down circuit. (HOLD DOWN check point of TP85)
7. If above steps is not satisfied, select resistance value of R597 and repeat above steps 1 through 6.

Note: If the hold-down circuit starts operating in the above case, switch OFF the POWER of the set immediately.

Note: 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 8.70V DC on TP85. (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

**SECTION 5
CIRCUIT ADJUSTMENTS**

PVM-2530
RM-739

PVM-2530
RM-739

5-1. D BOARD ADJUSTMENTS

Horizontal Position Adjustment

1. Check that H center moves to the right and left with horizontal position VR (RV1503), then adjust horizontal position to center.

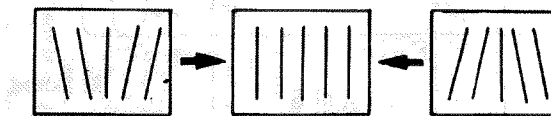
CHECK AFTER IC651 and R657 REPLACEMENT

1. Supply 130^{+3}_-0V AC to with variable auto-transformer.
2. Input a entirely white signal.
3. Turn the CONTROL switch OFF. Set the PICTURE and BRIGHTNESS control to maximum.
4. Confirm the voltage on digital multimeter is less than 141.5V DC (+B LINE).
5. If step 4 is not satisfied, replace IC651 and R657 repeat above steps.

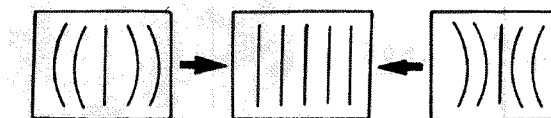
Picture Distortion Adjustment

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

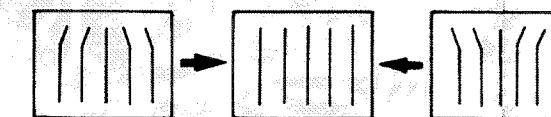
PIN PHASE (RV508)



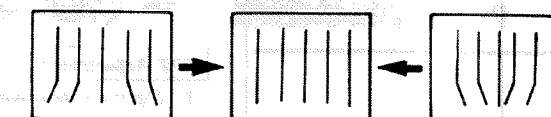
PIN AMP (RV507)



PIN OUT (RV505)



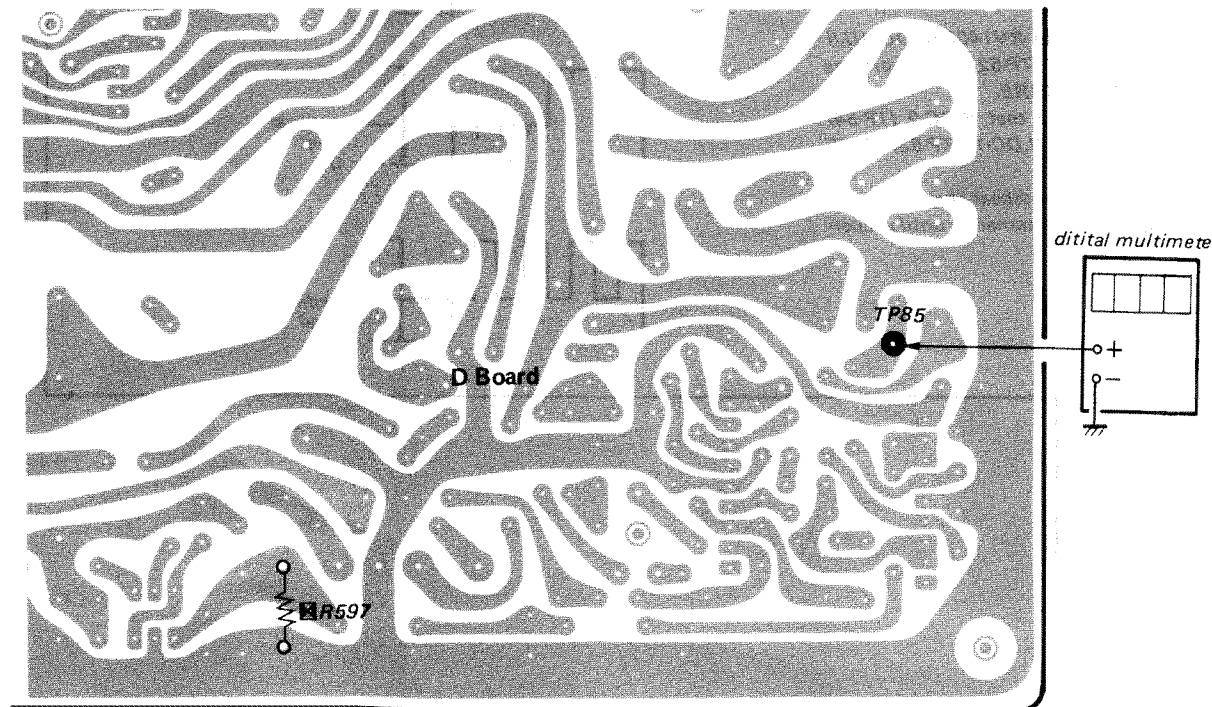
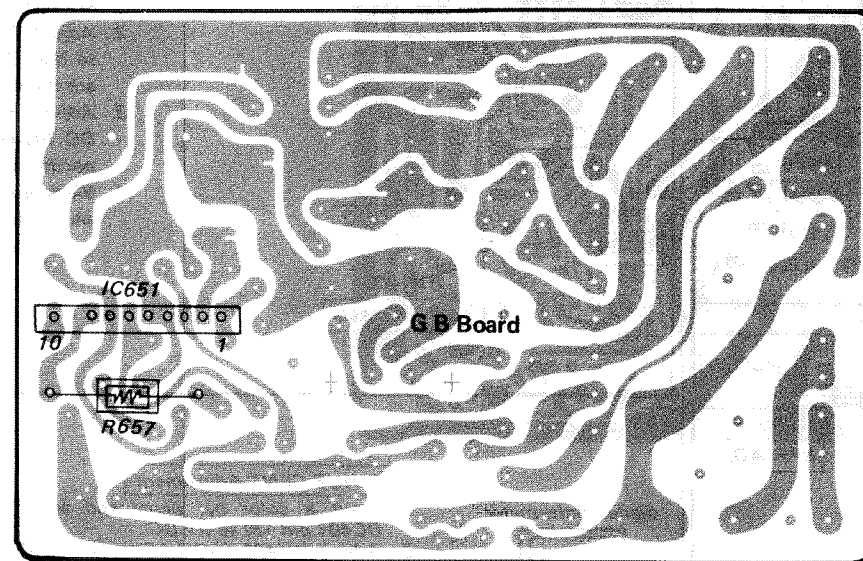
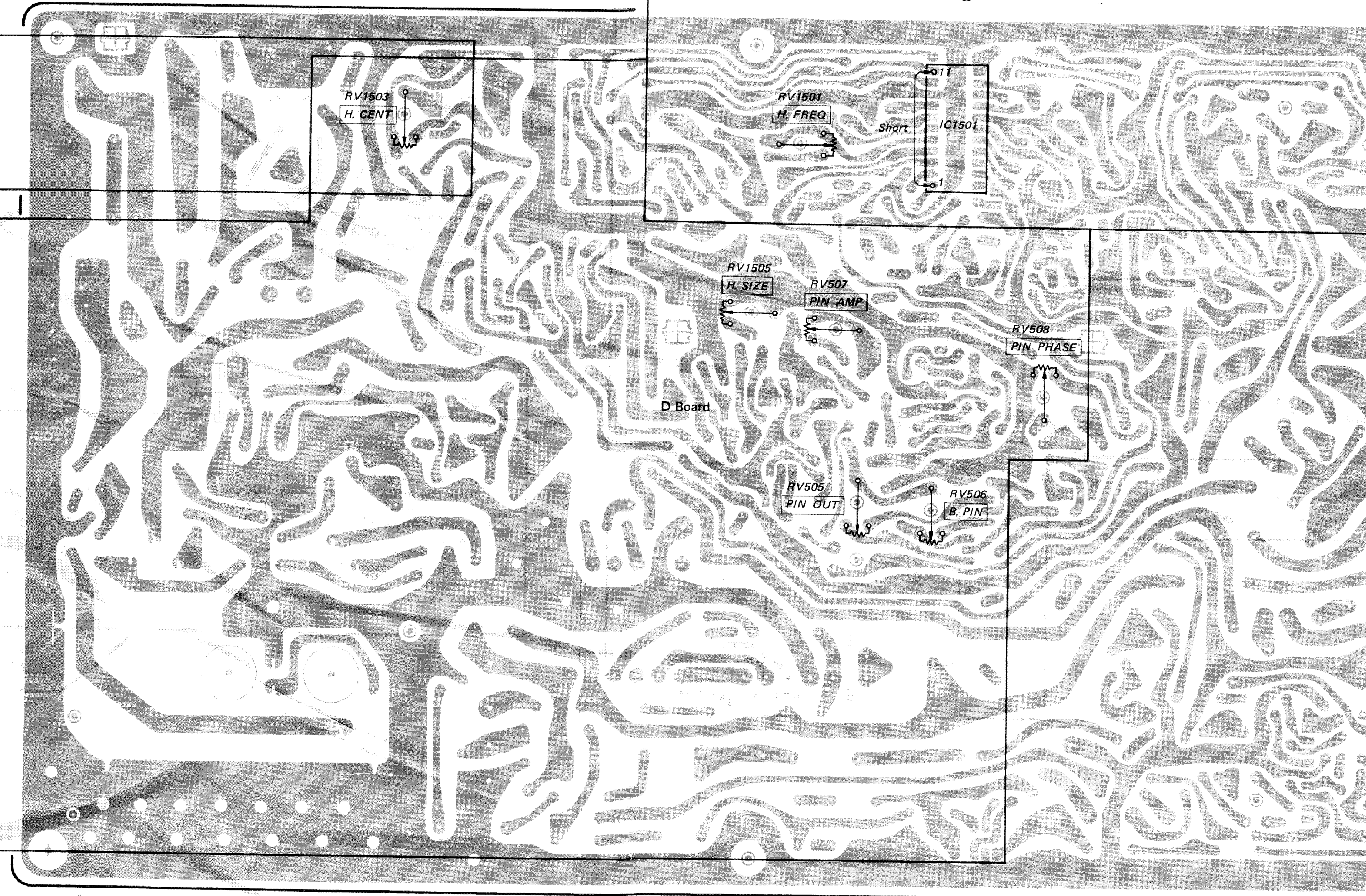
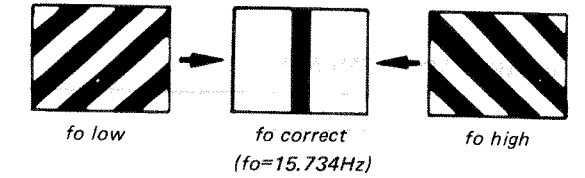
B.PIN (RV506)



2. Adjust RV1505 (H.SIZE) so that H.SIZE is bes
3. Adjust RV1503 (H.CENT) so that horizontal psition is center.

H.FREQ Adjustment

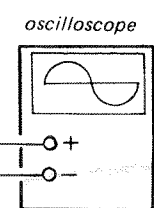
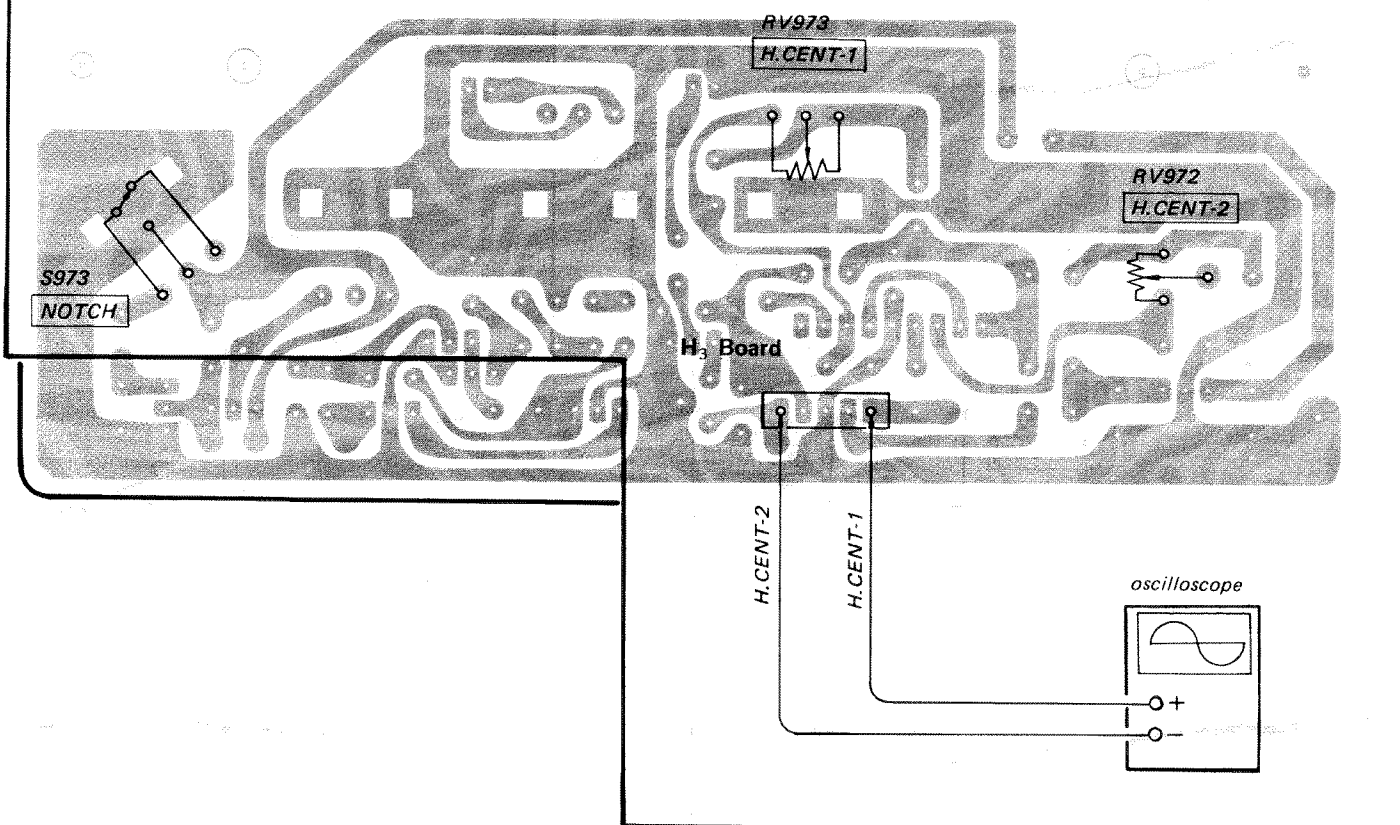
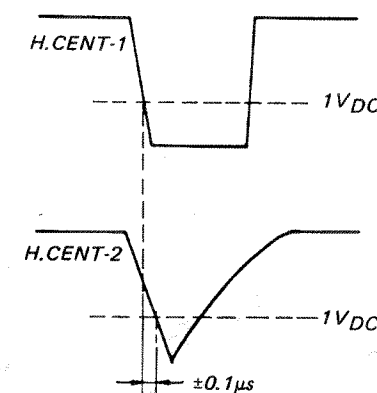
1. Input a color bar signal and short between IC1501 pins (1) and (11).
Also short B board IC401 pins (35) and (36).
2. Adjust H.FREQ VR (RV1501) so that picture flow is as shown in Figure.
3. After adjustment, remove the connections in step (1).



5-2. H3 BOARD ADJUSTMENTS

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

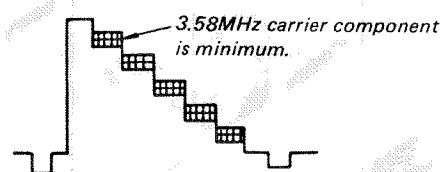
1. Connect to the digital R,G,B output connector of a microcomputer.
2. Press to select the R,G,B mode.
3. Turn the H.CENT VR (REAR CONTROL PANEL) to center position.
4. Connect the oscilloscope to ④ pin H-3 connector and ① pin H-3 connector.
5. Adjust RV972 (H.CENT-2) so that the phase difference level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



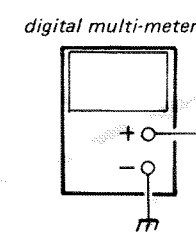
5-3. B1 BOARD ADJUSTMENTS

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).

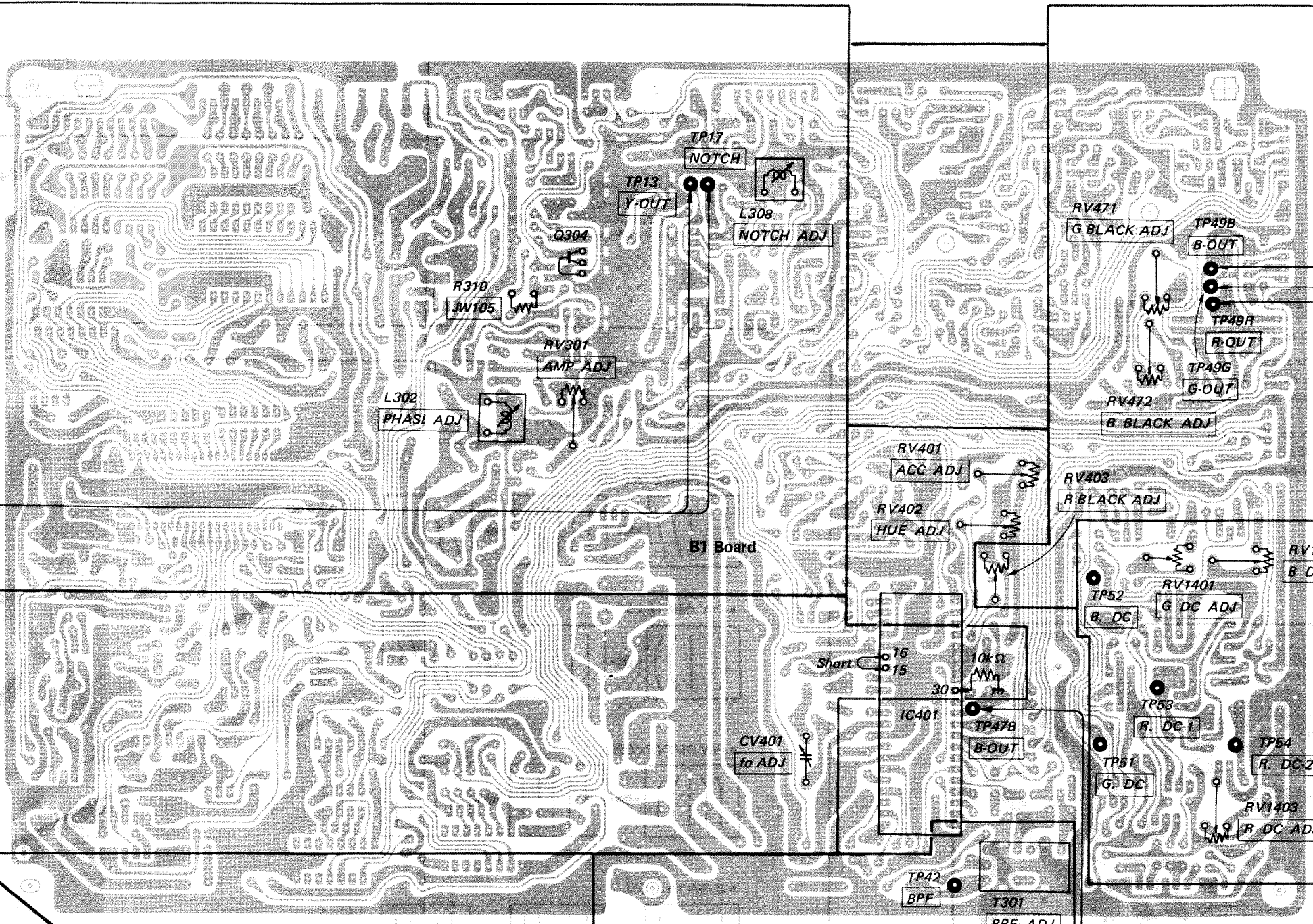


- (Notch Adjustment)
4. Short both sides of L302.
 5. Adjust L308 (NOTCH ADJ) so that chroma component is minimum for TP17 (NOTCH) waveform.
 6. Remove the shorts in steps 1 and 4 after completing adjustment.



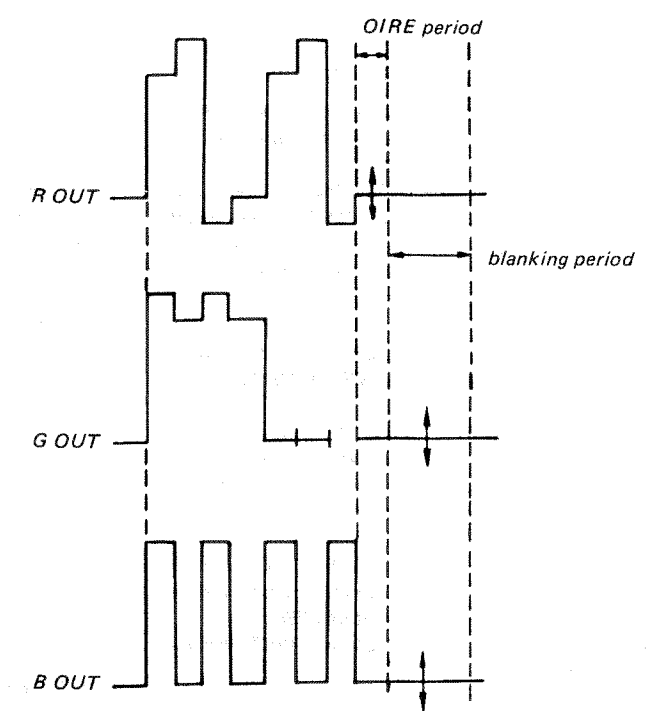
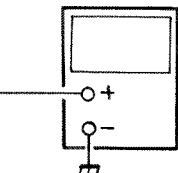
CW Oscillator to Adjustment

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 ③ via 10kΩ and short IC401 pins ⑤ and ⑥.
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.



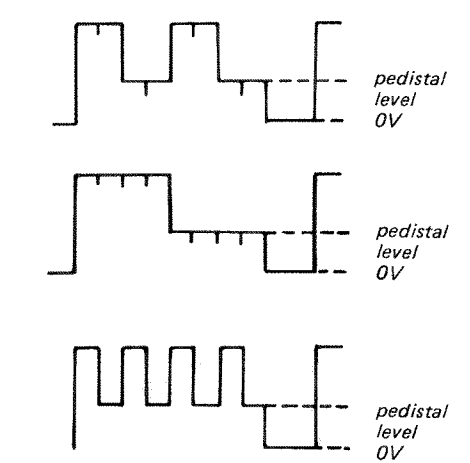
Black Level Adjustment

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

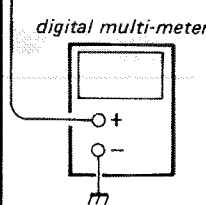
1. Input a color bar signal and set PICTURE to minimum. Press "RESET" to set COLOR, HUE and BRT to standard state.
2. Adjust RV1401 (G DC ADJ) and RV1402 (B DC ADJ) so that G.DC (TP-51) and B.DC (TP-52) OIRE portions are the same as R.DC-1 (TP-53) OIRE.
3. Adjust RV1403 (R DC ADJ) so that R.DC-2 (TP-54) 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

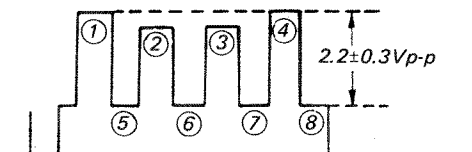
1. Input a video sweep signal. Signal component: 0.5Vp-p; 75 Ω terminated.
2. Turn T301 (BPF ADJ) cores so that BPF output (TP42) is the waveform shown in Figure.

- (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.



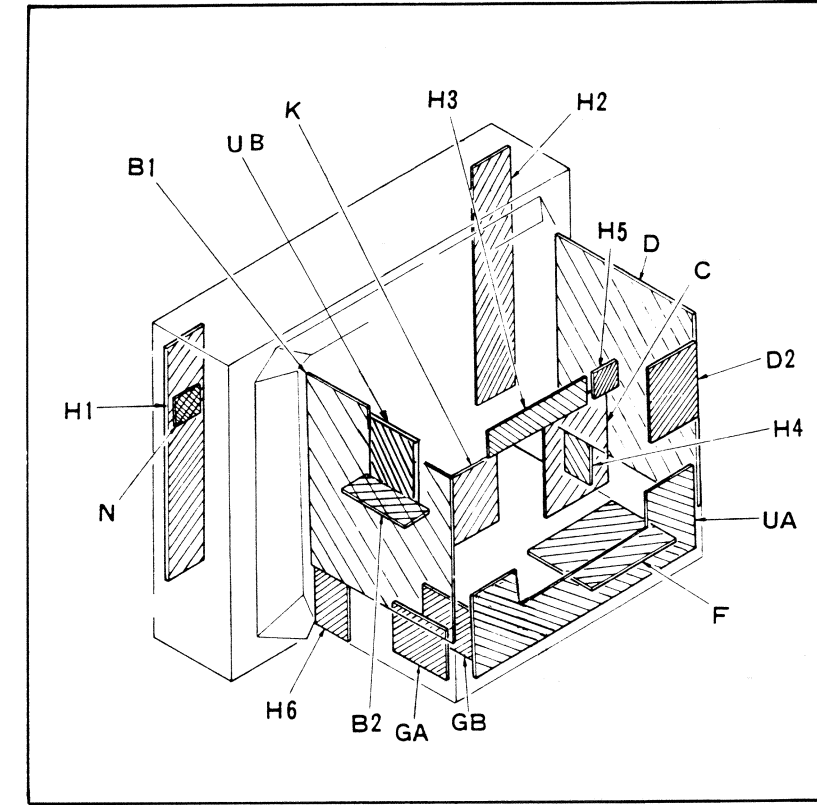
ACC, HUE CENT Adjustment

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.

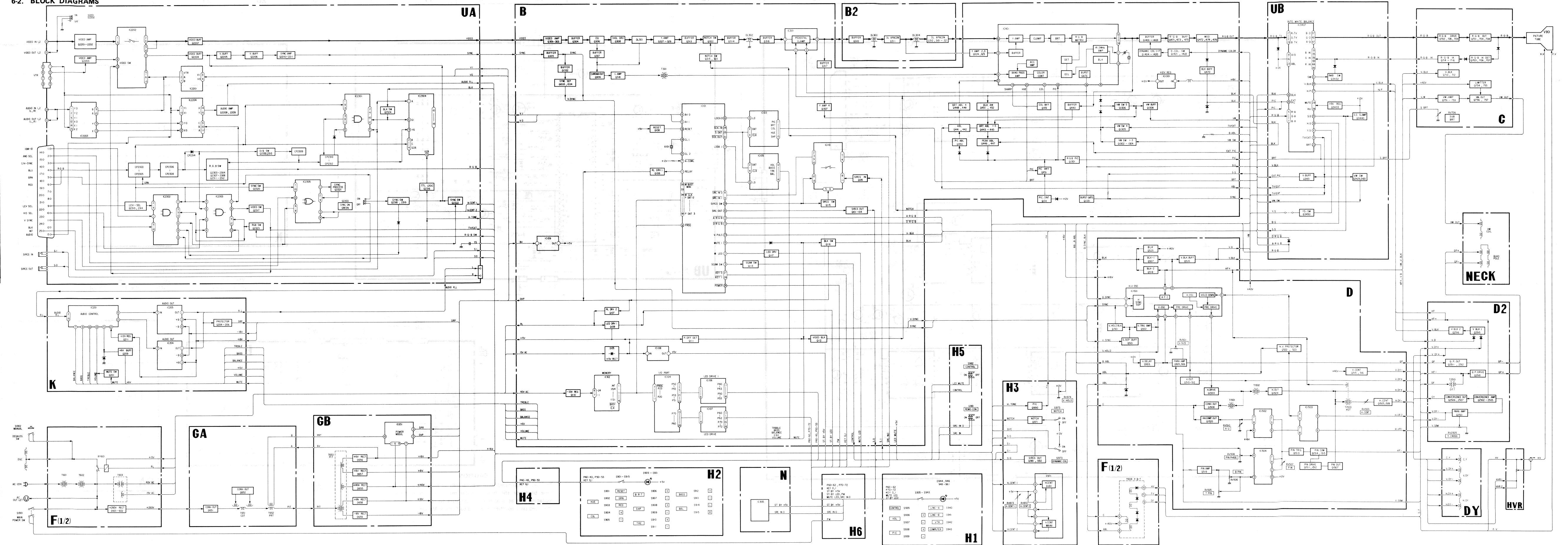


SECTION 6
DIAGRAMS

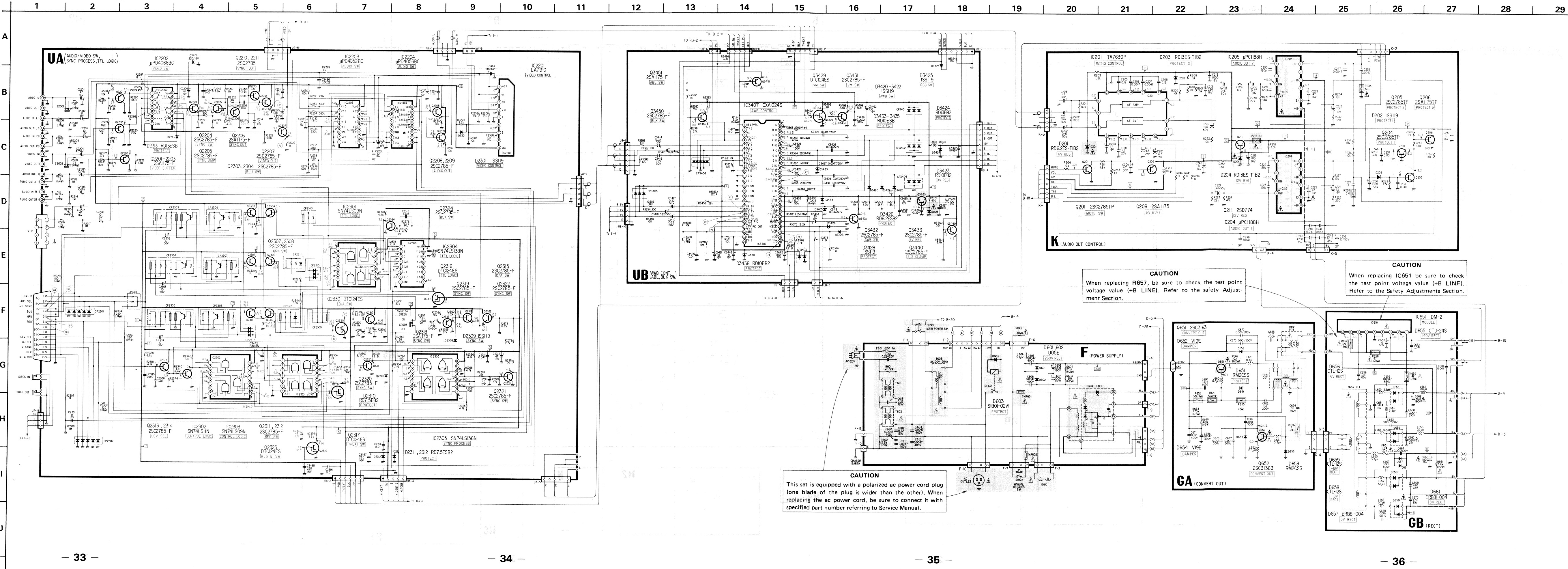
6-1. CIRCUIT BOARDS LOCATION



6-2. BLOCK DIAGRAMS



6-3. SCHEMATIC DIAGRAMS (1)



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

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

- Note:**
- All capacitors are in μF unless otherwise noted. p: μF 50WV or less are not indicated except for electrolytics.
 - All resistors are in ohms, 1/6W unless otherwise noted. k: 1000 Ω , M: 100k Ω .
 - : nonflammable resistor.
 - All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
 - : fusible resistor.
 - : internal component.
 - : panel designation.
 - The components identified by in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.
 - When replacing components identified by mark the necessary adjustments indicated. If results do not meet the specified value, change the component identified by and repeat the adjustment until the specified value is achieved. (Refer to R597 adjustment on page 19, 20).
- When replacing the part in below table, be sure to perform the related adjustment.

Part replaced ()	Adjustment ()
C1509, IC1501, IC1503, D520, D521, D522, D1540, Q522, Q523, R593, R594, R595, R596, R597, R598, R599, R1350, R1518, R1519, R1520, R1521, R1522, R1523, R1525, R1590, R1592, R1593, R1594, R1595, R1597, R1598.	R597

- 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.
- : adjustment to repair.
- Readings are taken with a color-bar-signal input.
- no mark: with NTSC(3.58MHz) color-bar signal received.
- () : with DIGITAL color-bar signal received.
- Circled numbers refer to waveforms.

CAUTION
When replacing R657, be sure to check the test point voltage value (+B LINE). Refer to the safety Adjustment Section.

CAUTION
When replacing IC651 be sure to check the test point voltage value (+B LINE). Refer to the Safety Adjustments Section.

CAUTION
This set is equipped with a polarized ac power cord plug (one blade of the plug is wider than the other). When replacing the ac power cord, be sure to connect it with specified part number referring to Service Manual.

[AUDIO/VIDEO SW, SYNC PROCESS, TTL LOGIC] **UA**

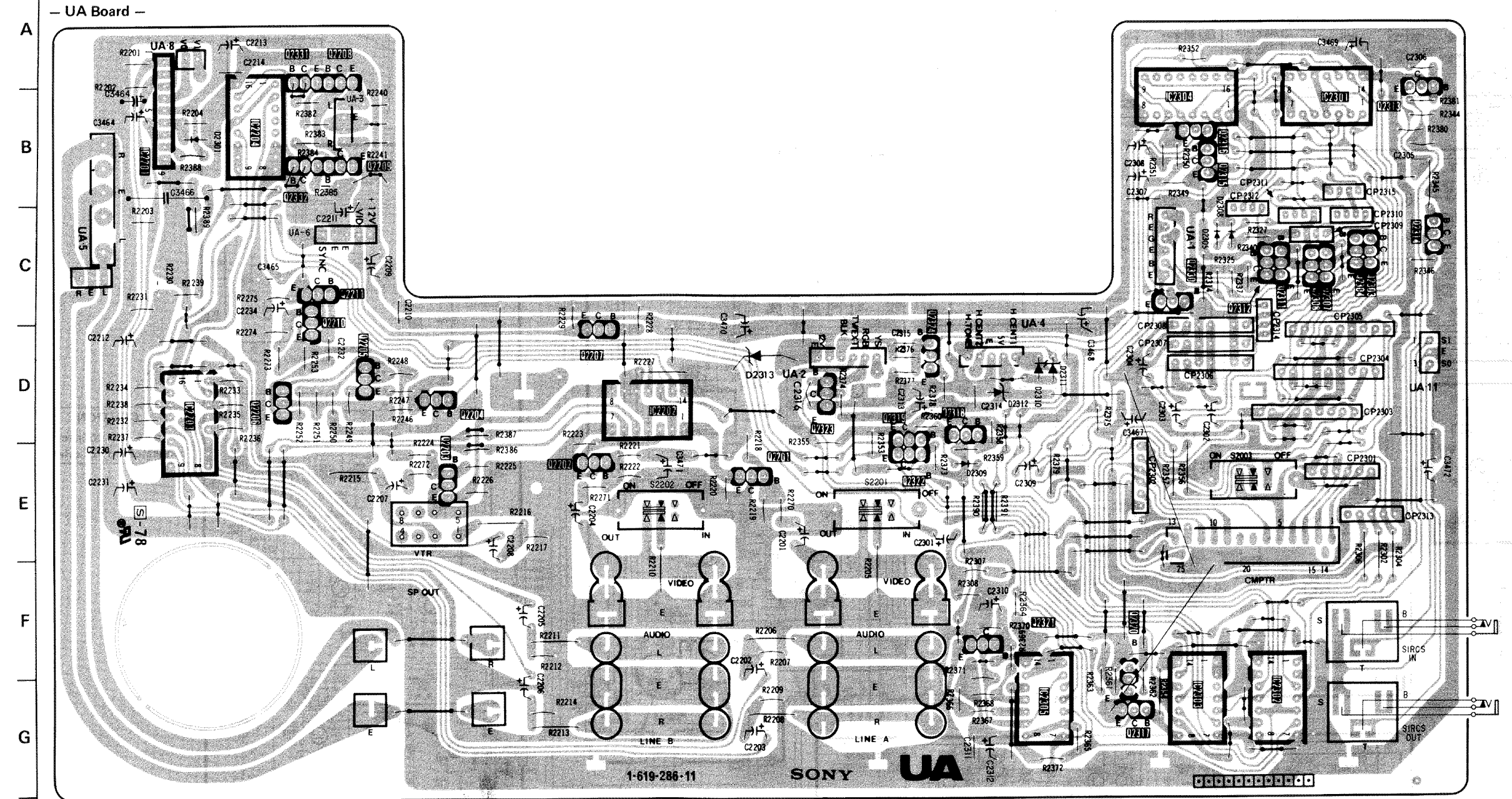
[CONVERT OUT] **GA**

[RECT] **GB**

[AUDIO OUT CONTROL] **K**

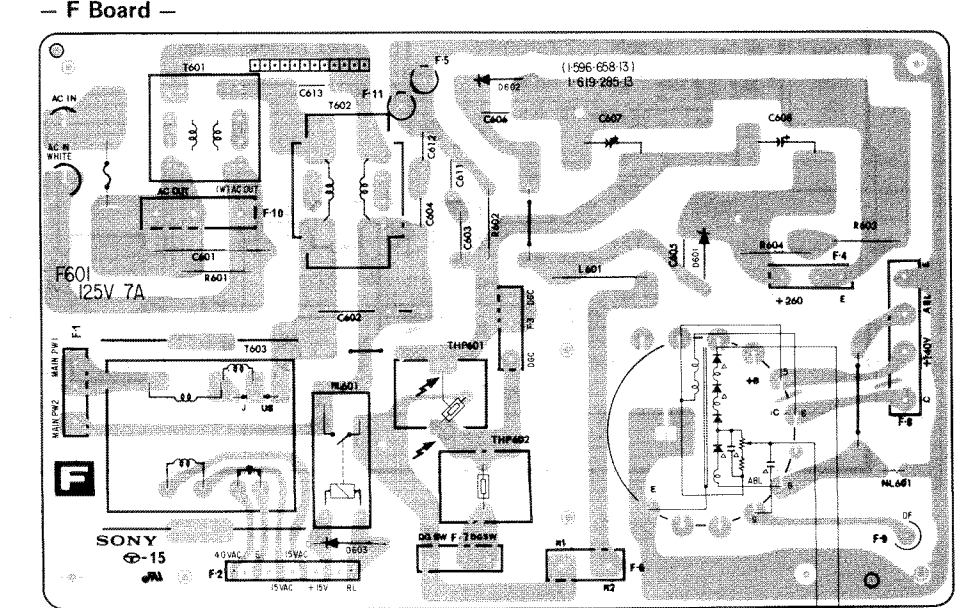
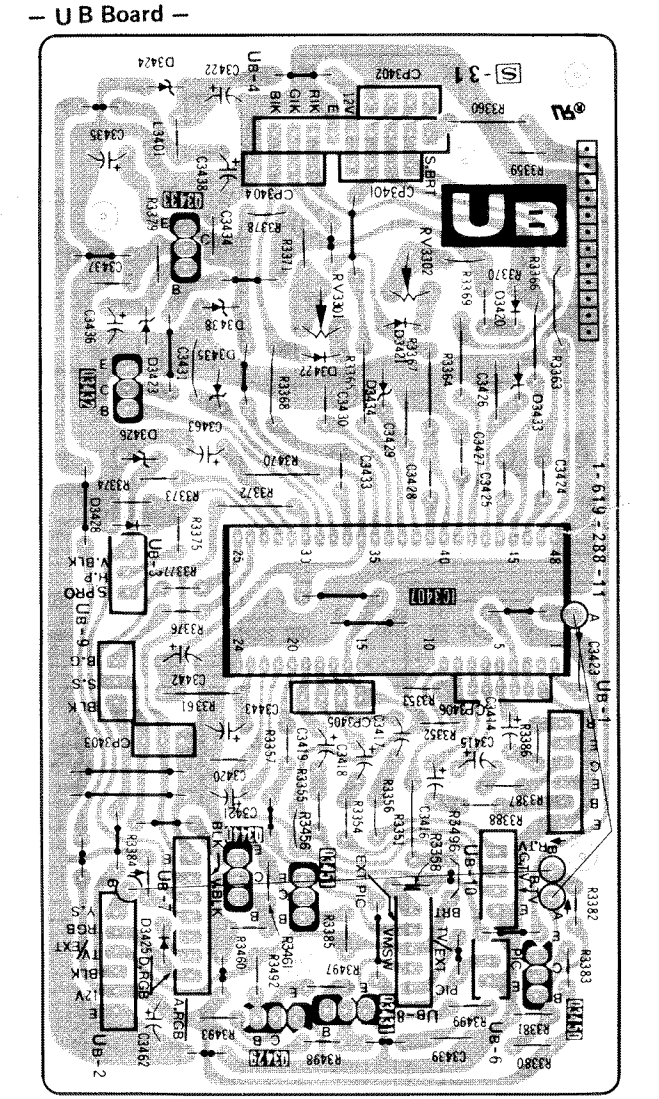
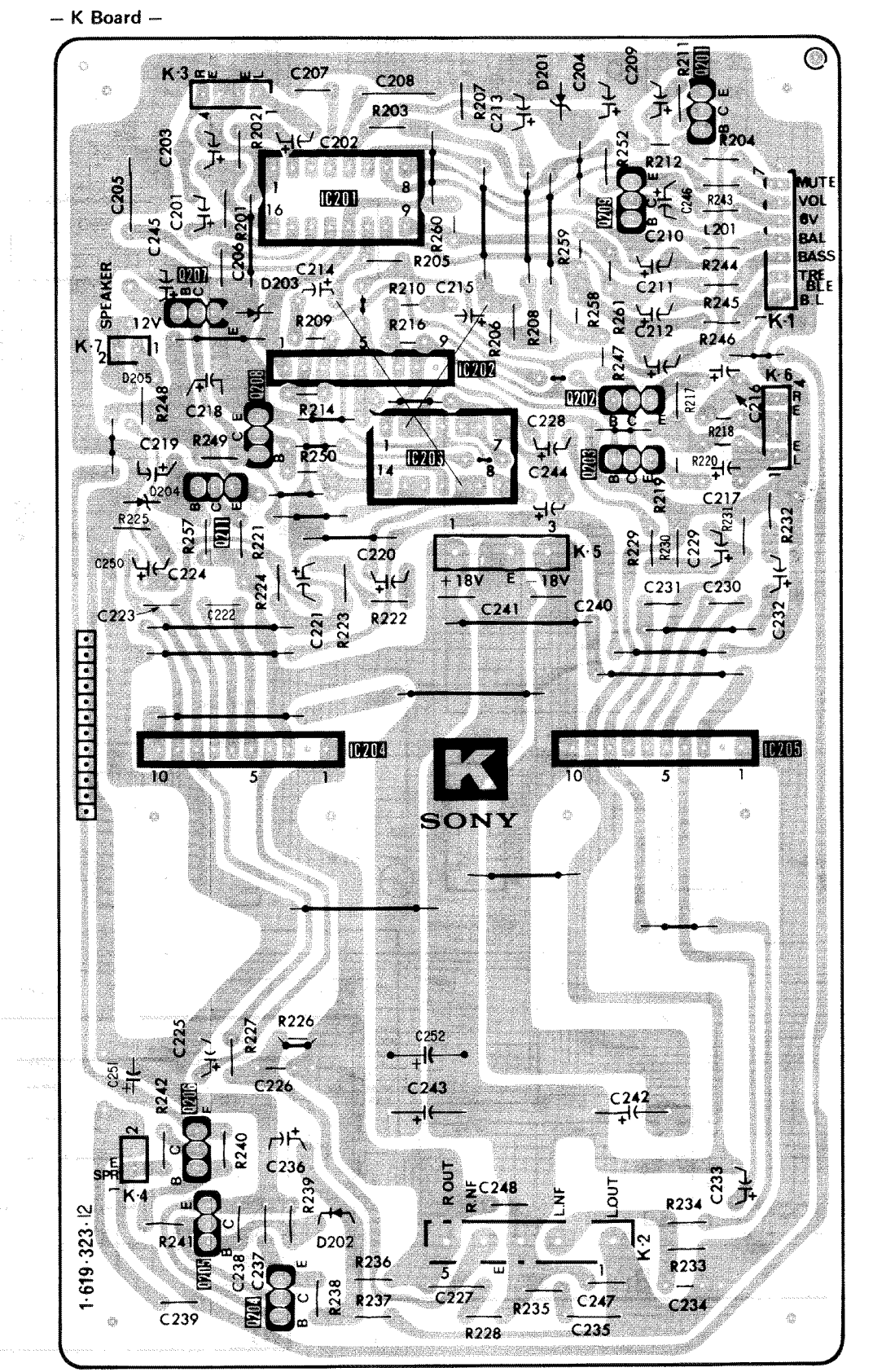
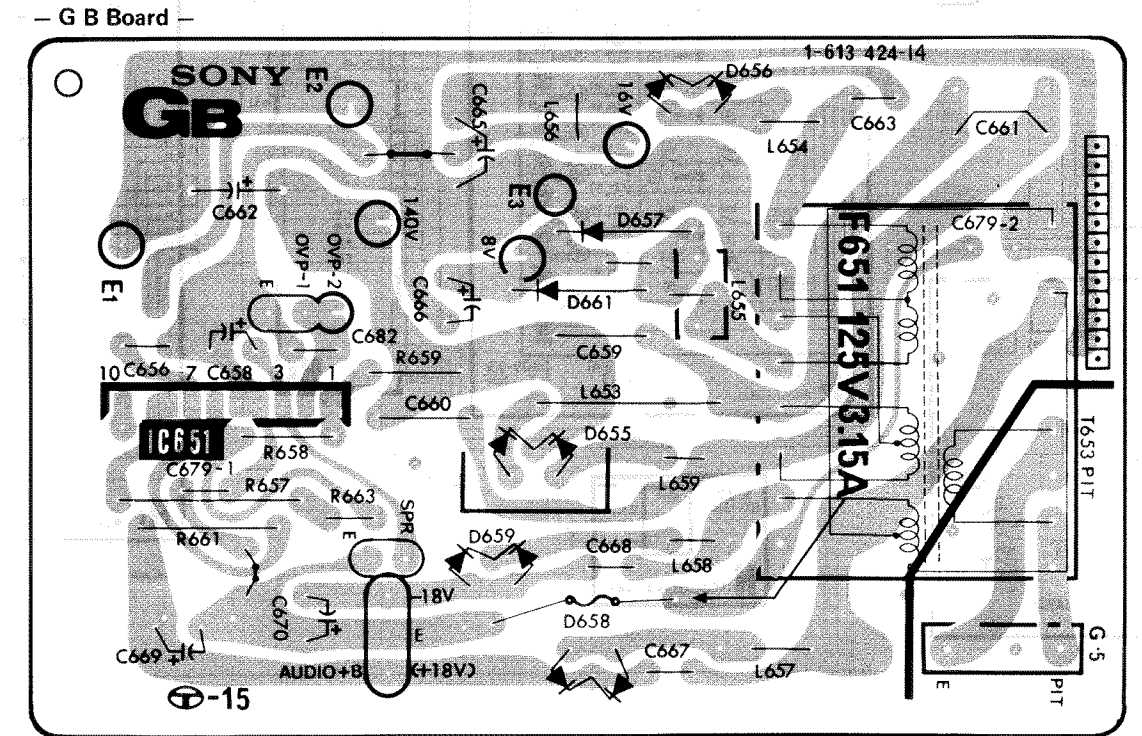
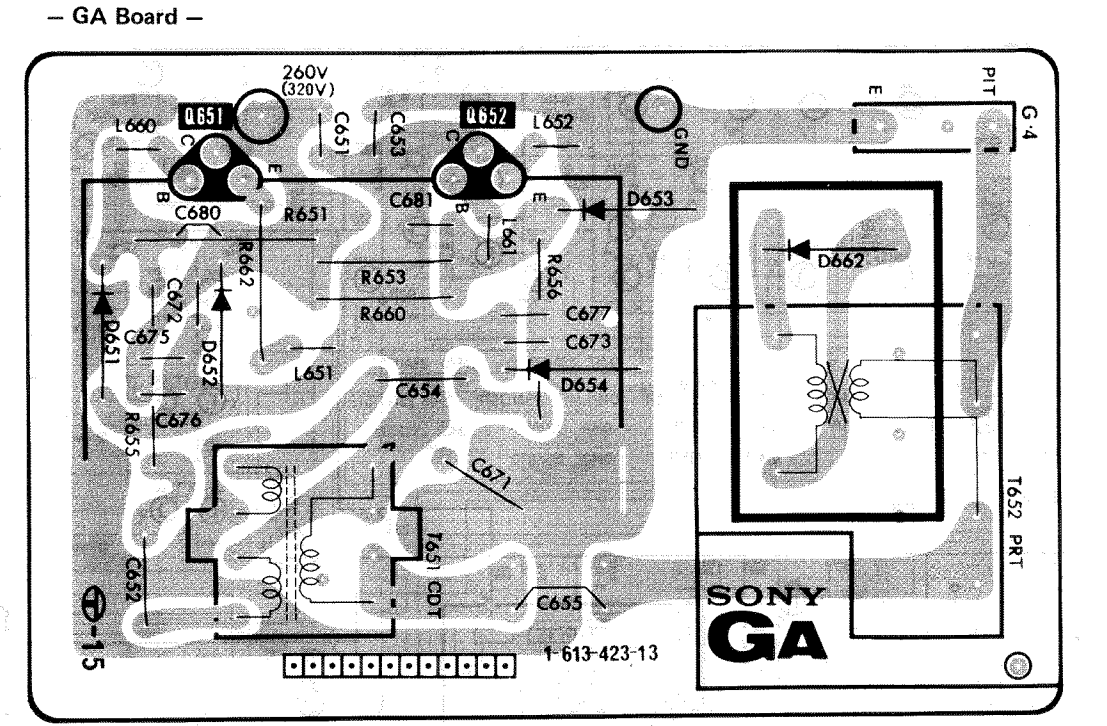
[AWB CONT ABL, BLK SW] **UB**

[POWER SUPPLY] **F**



(UA BOARD)

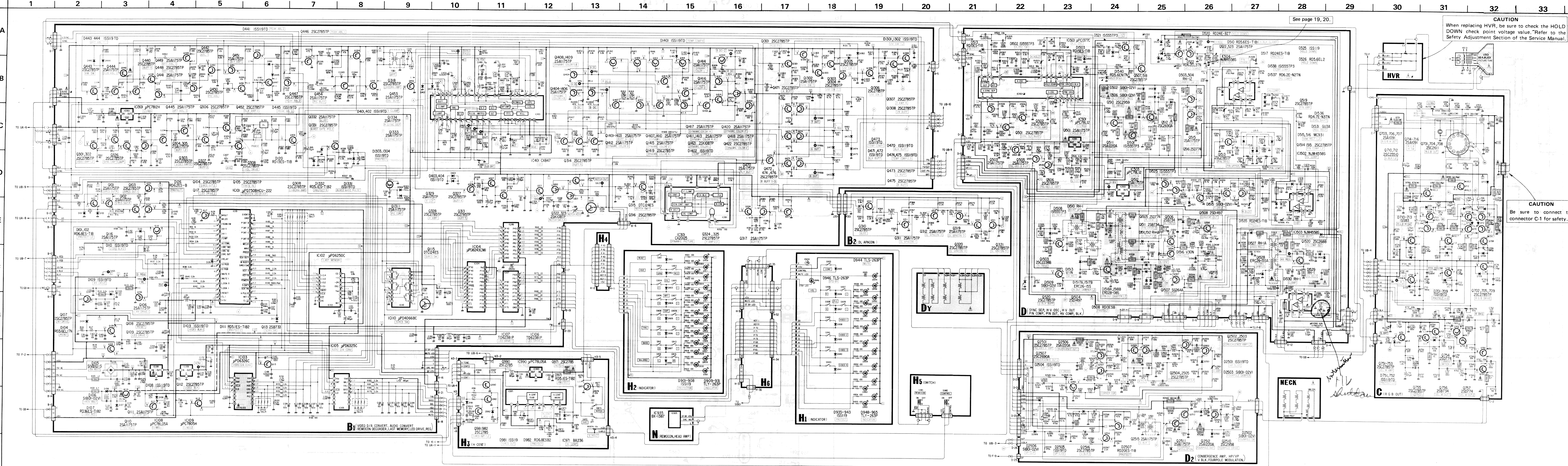
④		1Vp-p (H) C/M SYNC
⑤		2Vp-p (H) Q221 E
⑥		0.7Vp-p (H) ④ BLU
⑦		0.7Vp-p (H) ⑤ GRN
⑧		0.7Vp-p (H) ⑥ RED
⑨		0.6Vp-p (H) Q2330 B



(UB BOARD)

①		3.8Vp-p (H) IC3407 ①
②		3Vp-p (H) IC3407 ②
③		3.8Vp-p (H) IC3407 ③
④		3.8Vp-p (H) IC3407 ④
⑤		5Vp-p (H) IC3407 ⑤
⑥		4Vp-p (H) IC3407 ⑥
⑦		2.6Vp-p (H) IC3407 ⑦
⑧		5Vp-p (H) IC3407 ⑧

6-5. SCHEMATIC DIAGRAMS (2)



See page 19, 20.

CAUTION
When replacing HVR, be sure to check the HOLD DOWN check point voltage value. Refer to the Safety Adjustment Section of the Service Manual.

CAUTION
Be sure to connect the connector C-1 for safety.

SYNC SEP, H.V OSC, H.V OUT
PIN COMP, PIN OUT, HV COMP, BLK

D

B2

VIDEO D/A CONVERT, AUDIO CONVERT
REMOCON DECODER, LAST MEMORY,
LED DRIVE, REG

B1

PVM-2530
RM-739

PVM-2530
RM-739

N

[REMOCON, HEAD AMP]

D2

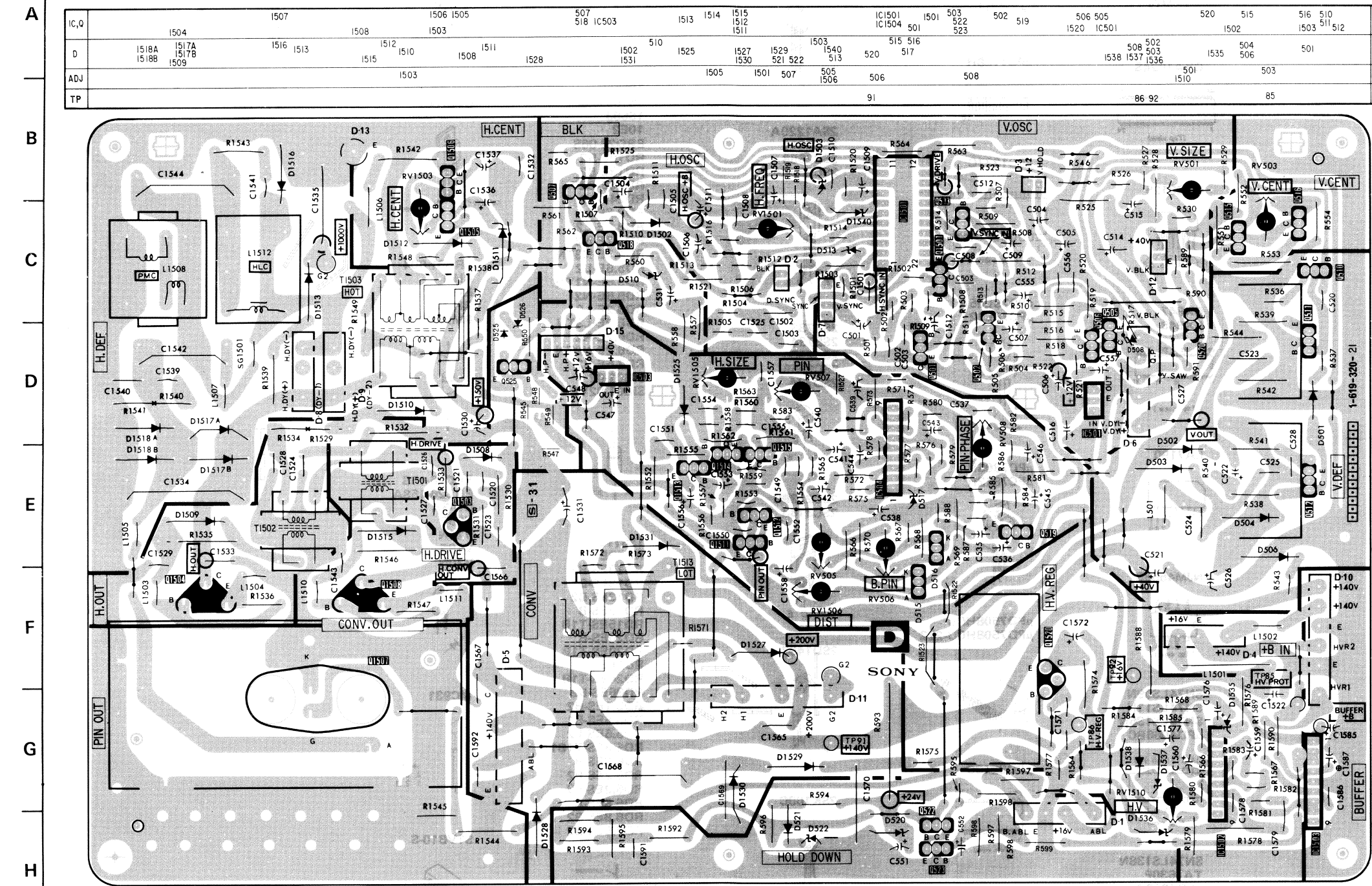
[CONBERGENCE AMP, HP/VP
V BLK, FOUR POLE MODULATION]

C

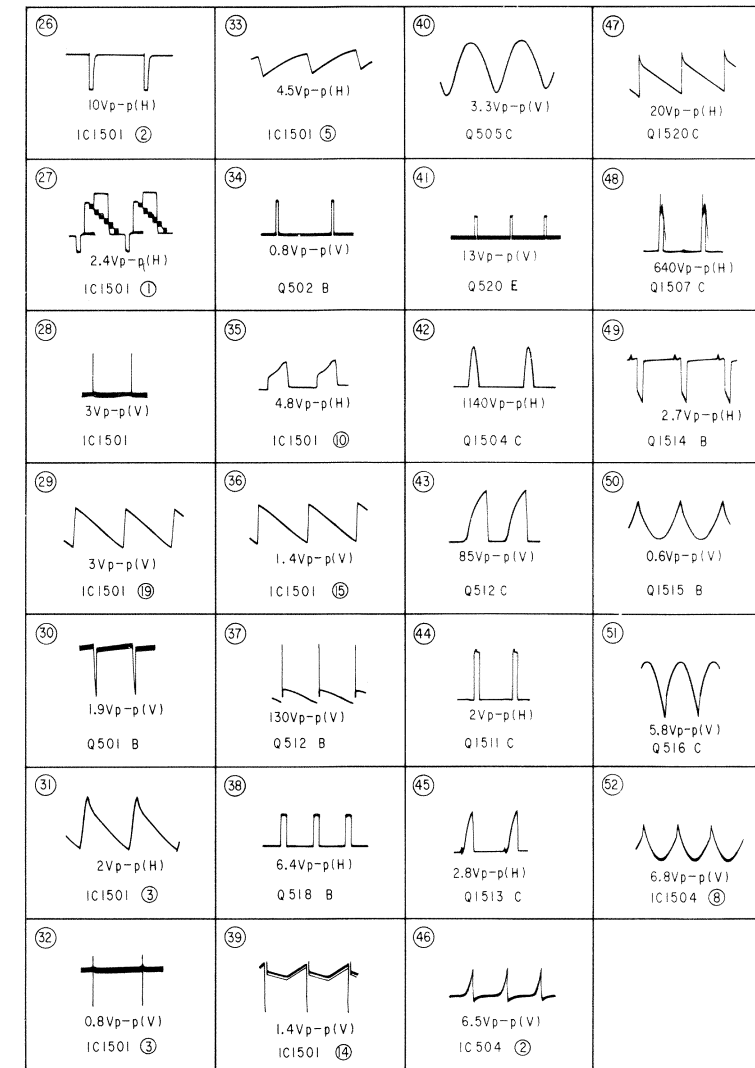
[R.G-B OUT]

PVM-2530
RM-739

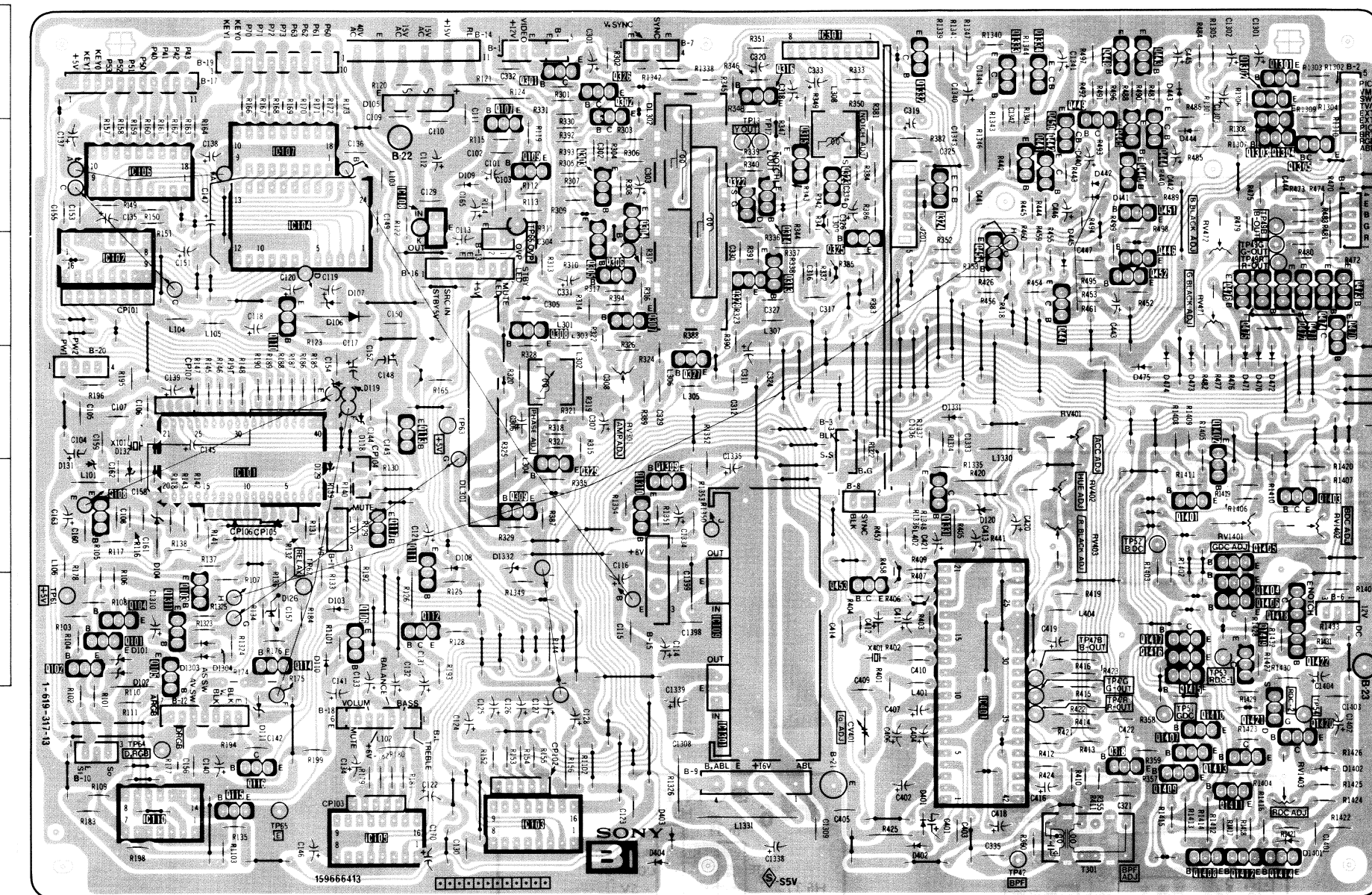
- D Board -



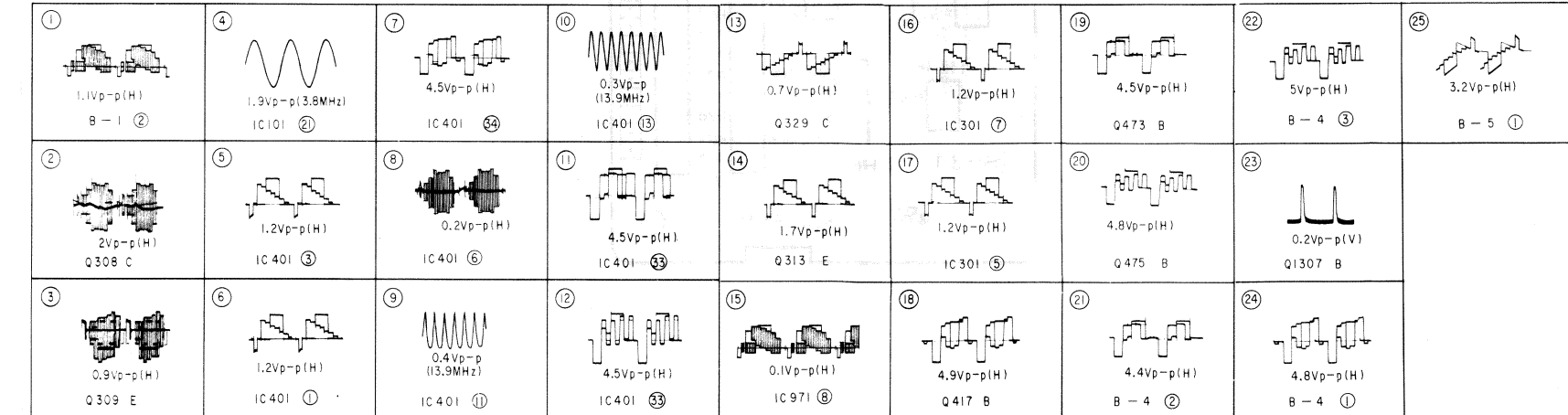
[D BOARD]



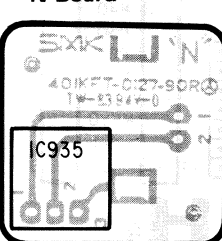
- B1 Board -



[B1 BOARD]

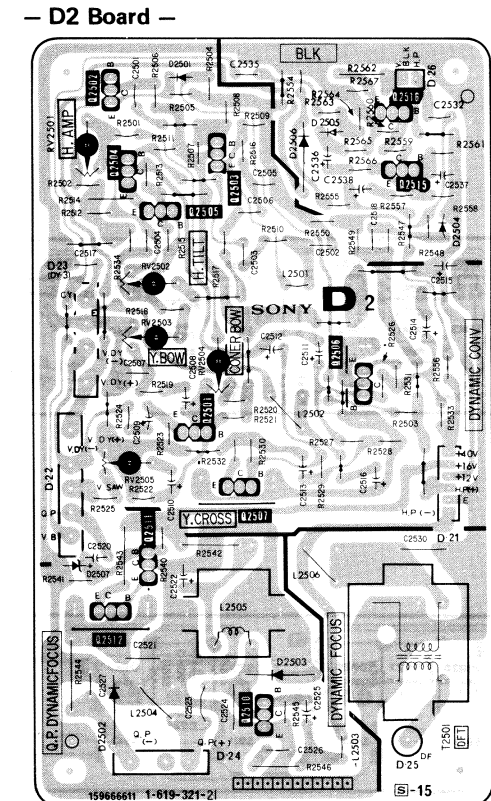
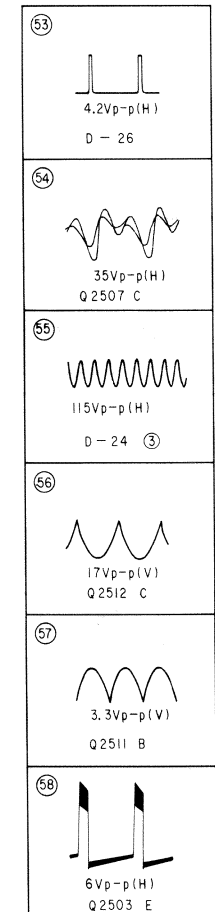


- N Board -

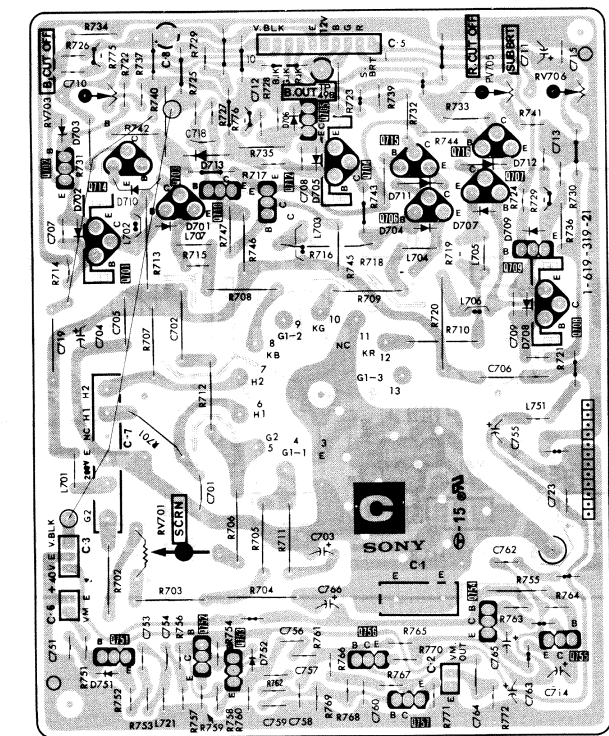


Q	IC	D	ADJ	TP
1	IC301	448		
2	IC302	449		
3	IC303	450		
4	IC304	451		
5	IC305	452		
6	IC306	453		
7	IC307	454		
8	IC308	455		
9	IC309	456		
10	IC310	457		
11	IC311	458		
12	IC312	459		
13	IC313	460		
14	IC314	461		
15	IC315	462		
16	IC316	463		
17	IC317	464		
18	IC318	465		
19	IC319	466		
20	IC320	467		
21	IC321	468		
22	IC322	469		
23	IC323	470		
24	IC324	471		
25	IC325	472		
26	IC326	473		
27	IC327	474		
28	IC328	475		
29	IC329	476		
30	IC330	477		
31	IC331	478		
32	IC332	479		
33	IC333	480		
34	IC334	481		
35	IC335	482		
36	IC336	483		
37	IC337	484		
38	IC338	485		
39	IC339	486		
40	IC340	487		
41	IC341	488		
42	IC342	489		
43	IC343	490		
44	IC344	491		
45	IC345	492		
46	IC346	493		
47	IC347	494		
48	IC348	495		
49	IC349	496		
50	IC350	497		
51	IC351	498		
52	IC352	499		
53	IC353	500		
54	IC354	501		
55	IC355	502		
56	IC356	503		
57	IC357	504		
58	IC358	505		
59	IC359	506		
60	IC360	507		
61	IC361	508		
62	IC362	509		
63	IC363	510		
64	IC364	511		
65	IC365	512		

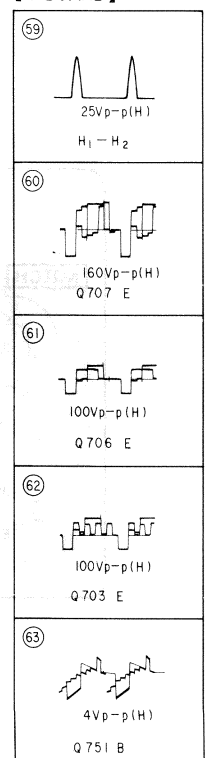
[D2 BOARD]



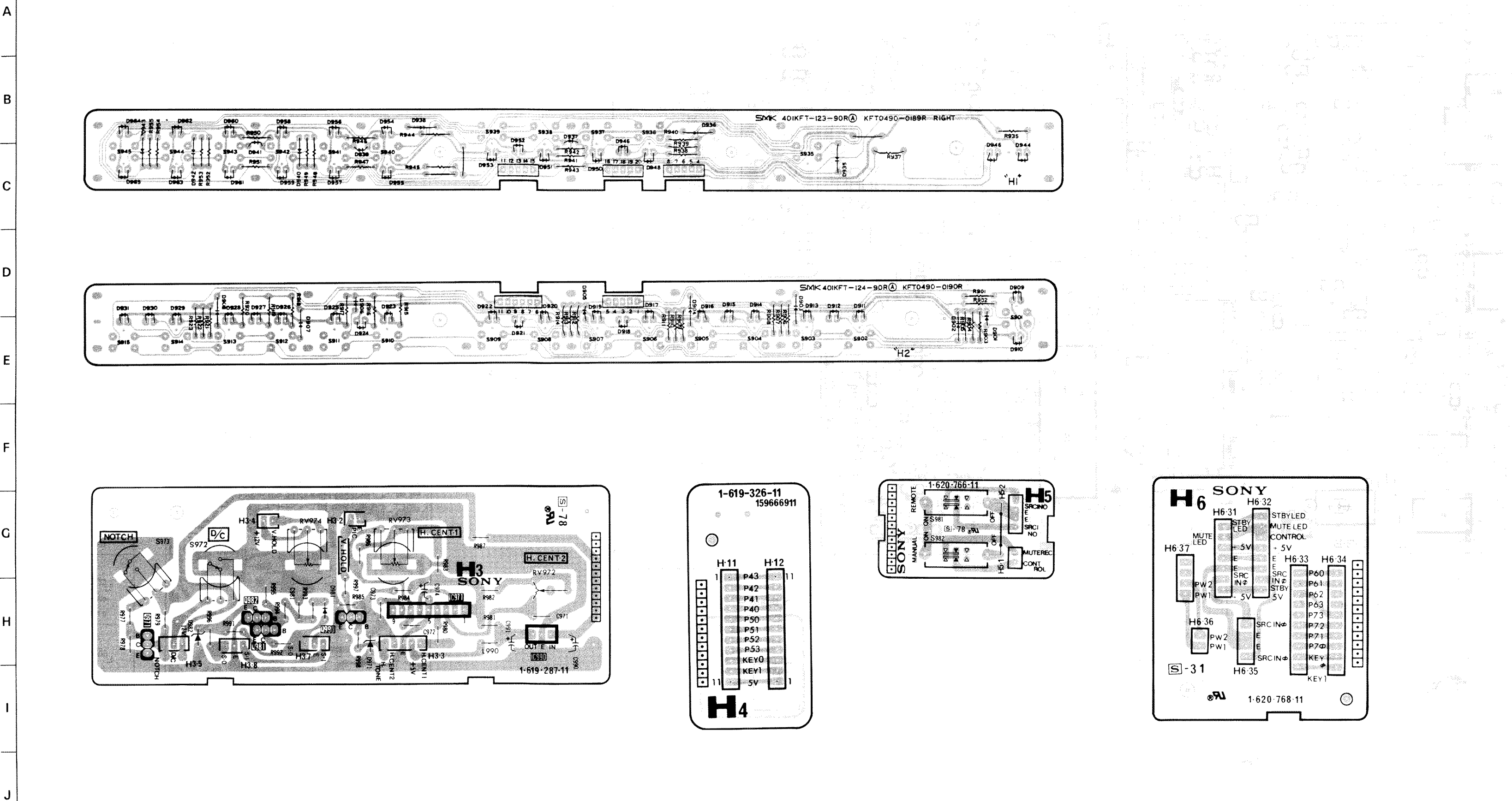
- C Board -



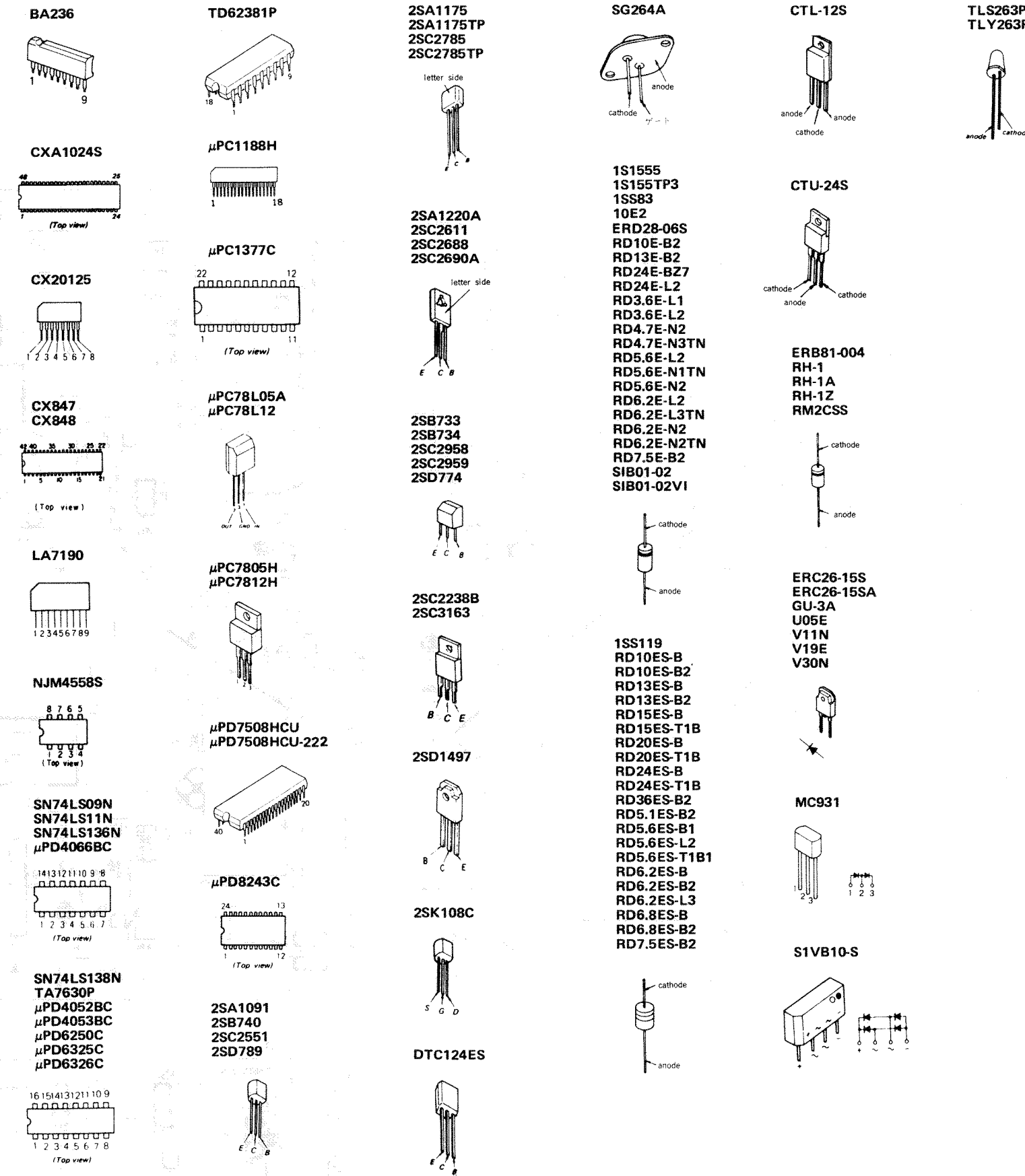
[C BOARD]



[INDICATOR] H1 H2 [H-CENT] H3 H4 H5 H6



6-7. SEMICONDUCTORS



SECTION 7 EXPLODED VIEWS

NOTE:

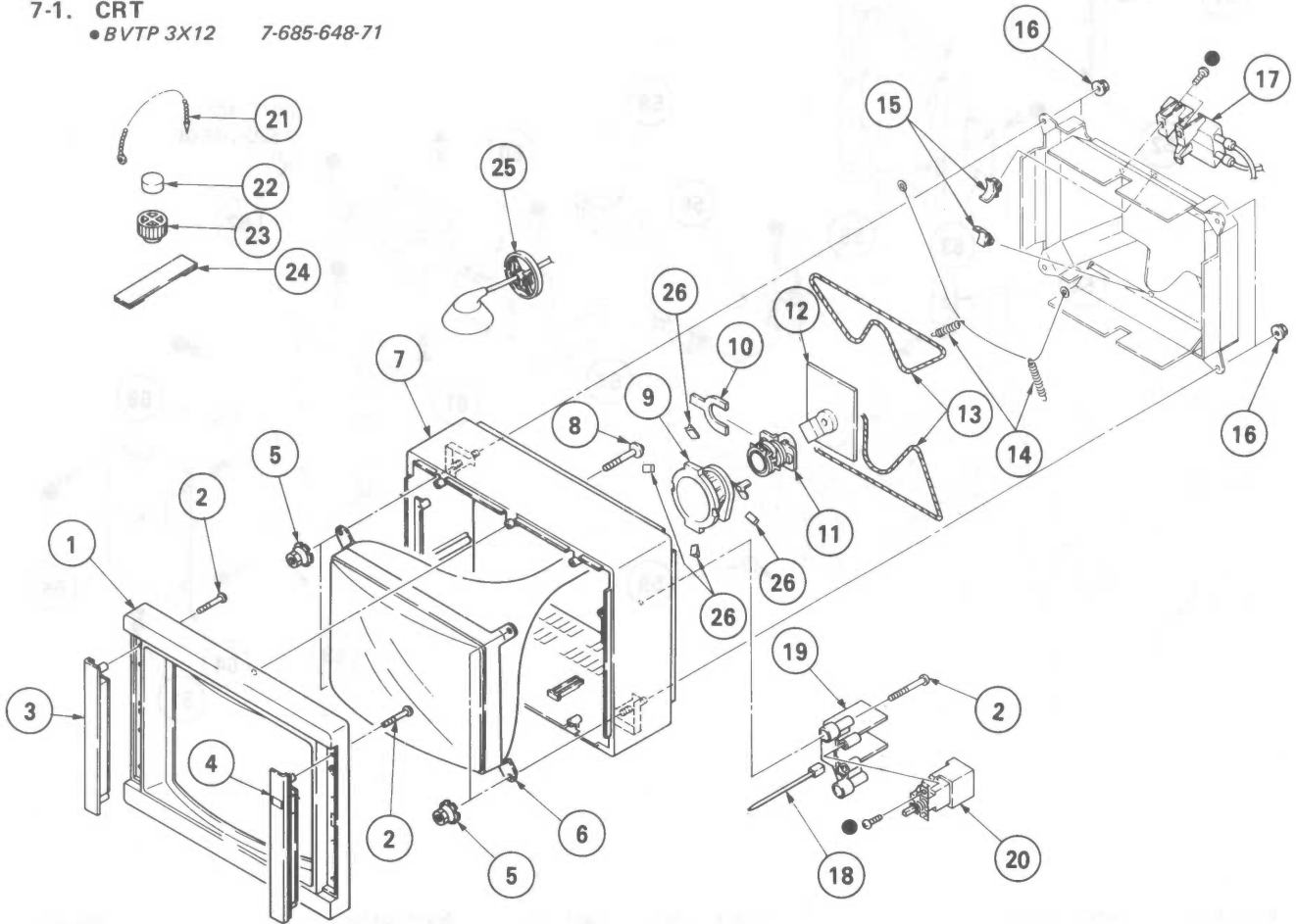
- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked " * " are not stocked since they are seldom required for routine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

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

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

7-1. CRT

•BVTP 3X12 7-685-648-71

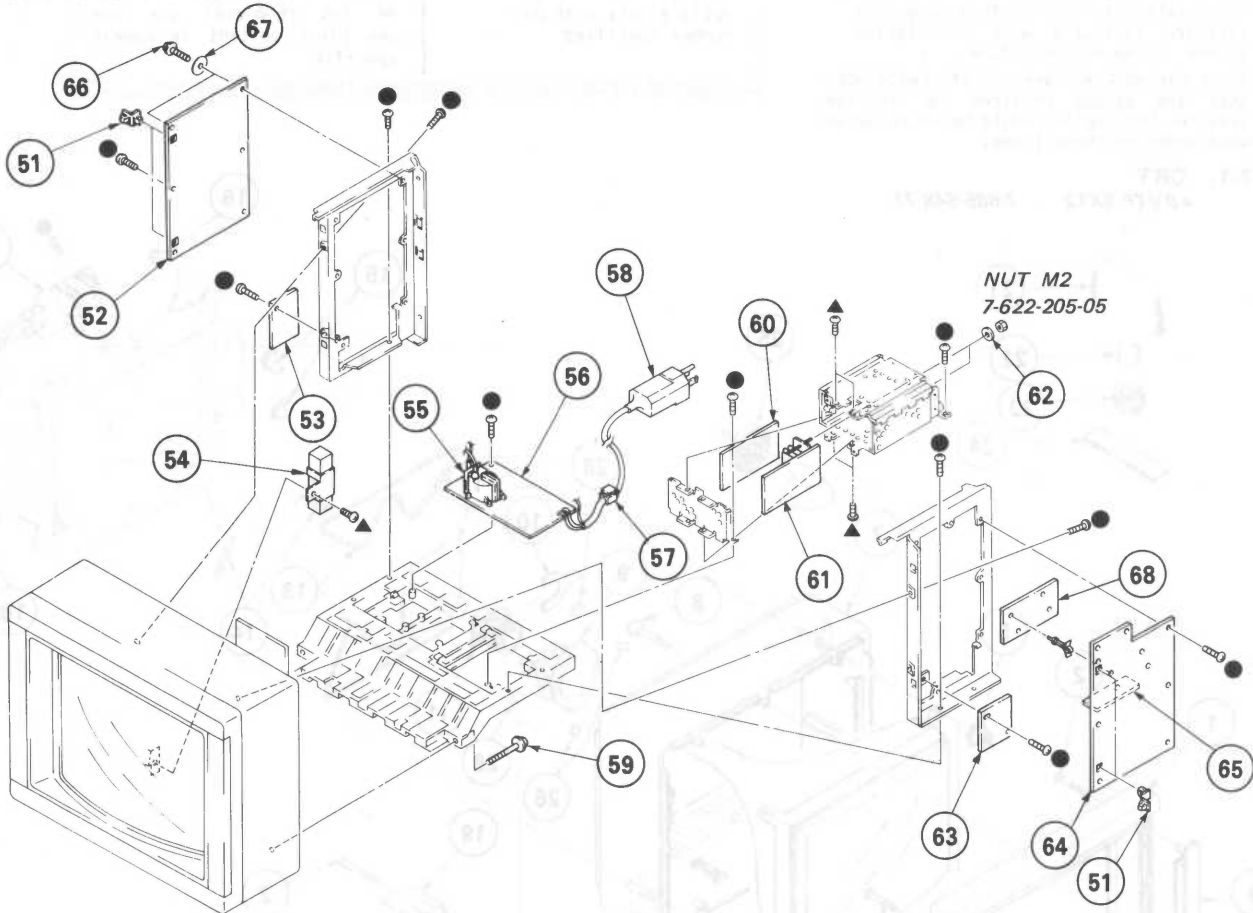


No.	Part No.	Description	Remark	No.	Part No.	Description	Remark
1	X-4374-160-2	BEZEL ASSY (FOR DARK GRAY)		13	1-426-296-11	COIL, DEMAGNETIZATION	
	X-4374-160-3	BEZEL ASSY (FOR LIGHT GRAY)	2	14	4-303-774-XX	SPRING	
2	3-703-083-00	+ BV 3X25		15	*4-371-629-01	STOPPER, WIRE	
3	1-464-747-11	KEY BOARD UNIT (A)		16	4-306-034-00	FLANGE NUT, (B) 5MM	
4	1-464-748-11	KEY BOARD UNIT (B)		17	1-230-712-21	RESISTOR ASSY, HIGH-VOLTAGE	
5	4-376-980-01	NUT, SPECIAL, CRT		18	*4-371-182-01	SHAFT	
6	8-736-652-05	CRT (A64JKJ10X)		19	*4-371-183-01	COVER, MAIN SWITCH	
7	X-4374-161-2	CABINET ASSY (FOR DARK GRAY)	8	20	1-554-966-12	SWITCH, PUSH (AC POWER)(1 KEY)	
	X-4374-161-3	CABINET ASSY (FOR LIGHT GRAY)	8	21	4-308-870-00	CLIP, LEAD WIRE	
8	4-319-520-00	SCREW, SPECIAL (+PW4X30)		22	1-452-032-00	MAGNET, DISK; 10MM ϕ	
9	1-451-255-22	DEFLECTION YOKE		23	1-452-094-00	MAGNET, ROTATABLE DISK; 15MM ϕ	
10	1-452-146-21	MAGNET, BMC		24	X-4308-815-0	PERMALLOY ASSY, CONVERGENCE	
11	1-452-351-22	NECK ASSY, CRT (NA302)		25	*4-369-234-01	HOLDER, HV CABLE	
12	*A-1330-784-A	C BOARD, COMPLETE		26	3-703-003-00	SPACER, DY	

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Wharton NJ 07885
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7-2. CHASSIS

- BVTP 3X12 7-685-648-71
- ▲ BVTP 3X10 7-685-647-71



No.	Part No.	Description	Remark
51	*4-313-732-00	CLIP, HINGE, CIRCUIT BOARD	
52	*A-1345-688-A	D BOARD, COMPLETE	
53	*1-620-767-11	H4 BOARD	
54	▲ 1-205-904-11	RES, CEMENT WIREWOUND 1 5% 30W	
55	▲ 1-439-339-12	TRANSFORMER ASSY, FLYBACK	
56	*1-619-285-11	F BOARD	
57	▲ *4-371-185-01	BUSHING, AC CORD	
58	▲ 1-557-970-11	CORD, POWER	
59	4-319-520-00	SCREW, SPECIAL (+PW4X30)	
60	*1-613-424-11	GB BOARD	

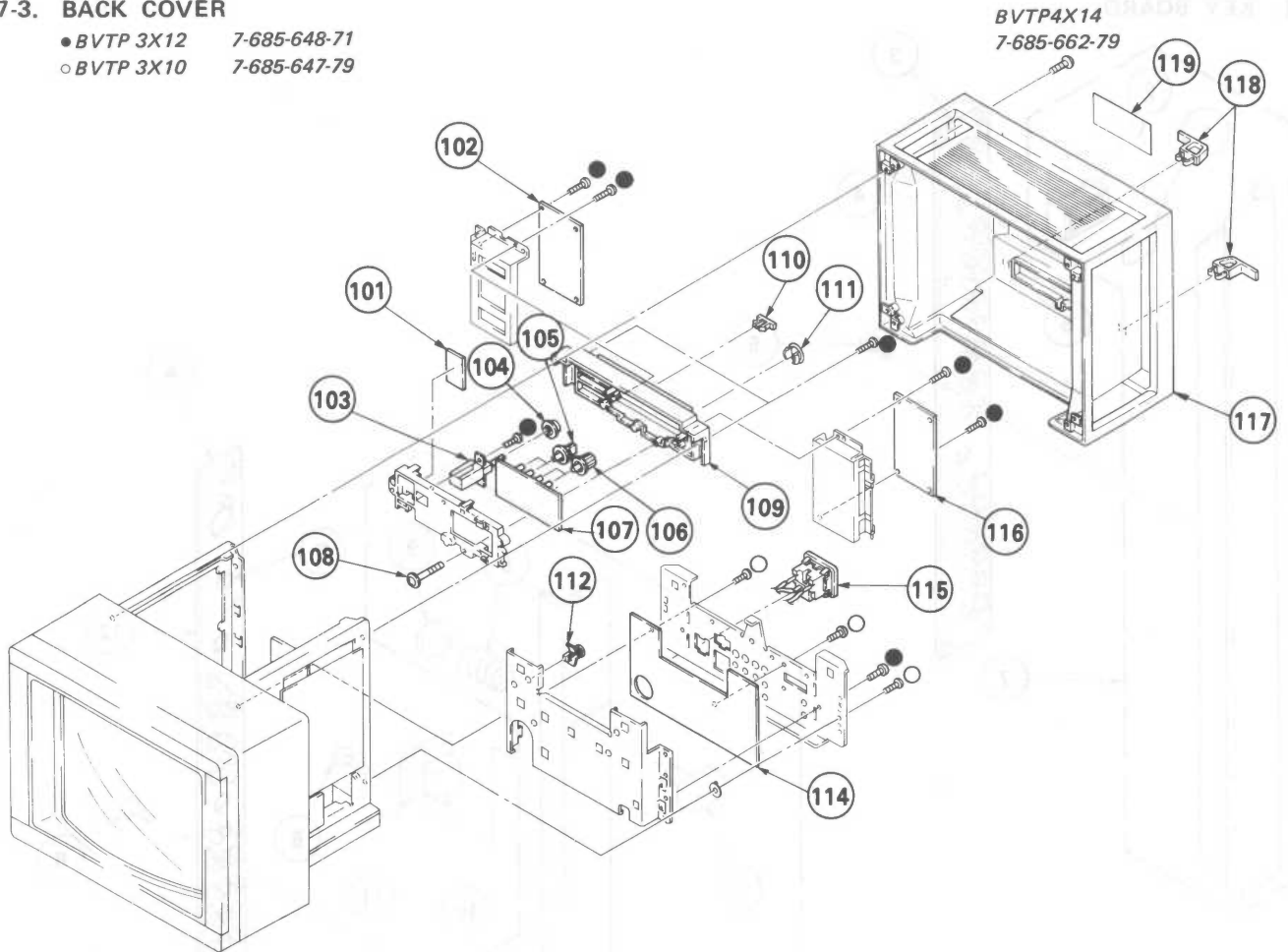
No.	Part No.	Description	Remark
61	*1-613-423-11	GA BOARD	
62	3-845-490-00	WASHER	
63	*1-620-768-11	H6 BOARD	
64	*A-1135-428-A	B BOARD, COMPLETE	
65	*1-619-318-11	B2 BOARD	
66	4-302-428-00	HEAD, WASHER, TAPPING SCREW	
67	4-383-101-01	WASHER (DTA, 14)	
68	*A-1373-058-A	UB BOARD, COMPLETE	

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. BACK COVER

- BVTP 3X12 7-685-648-71
- BVTP 3X10 7-685-647-79

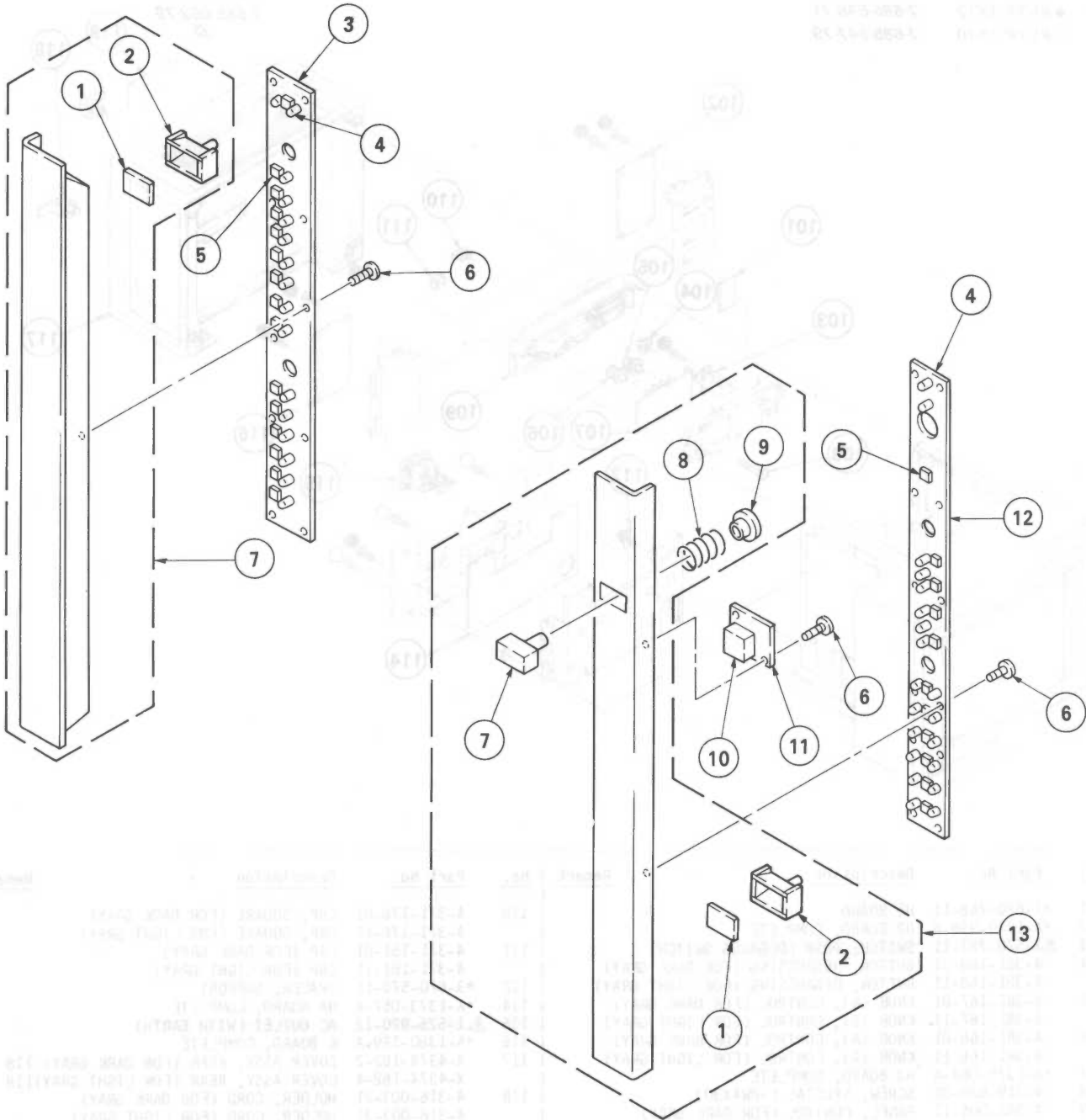


No.	Part No.	Description	Remark	No.	Part No.	Description	Remark
101	*1-620-766-11	H5 BOARD		110	4-371-176-01	CAP, SQUARE (FOR DARK GRAY)	
102	*A-1340-936-A	D2 BOARD, COMPLETE		111	4-371-176-11	CAP, SQUARE (FOR LIGHT GRAY)	
103	▲1-570-757-11	SWITCH, PUSH (DEGAUSS SWITCH)		112	4-371-181-01	CAP (FOR DARK GRAY)	
104	4-381-168-01	BUTTON, DEGAUSSING (FOR DARK GRAY)		113	4-371-181-11	CAP (FOR LIGHT GRAY)	
	4-381-168-11	BUTTON, DEGAUSSING (FOR LIGHT GRAY)		114	*3-670-570-11	SPACER, SUPPORT	
105	4-381-167-01	KNOB (B), CONTROL (FOR DARK GRAY)		115	*A-1373-057-A	UA BOARD, COMPLETE	
	4-381-167-11	KNOB (B), CONTROL (FOR LIGHT GRAY)		116	▲1-526-920-12	AC OUTLET (WITH EARTH)	
106	4-381-166-01	KNOB (A), CONTROL (FOR DARK GRAY)		117	*A-1380-189-A	K BOARD, COMPLETE	
	4-381-166-11	KNOB (A), CONTROL (FOR LIGHT GRAY)		118	X-4374-162-2	COVER ASSY, REAR (FOR DARK GRAY)	118
107	*A-1375-064-A	H3 BOARD, COMPLETE			X-4374-162-4	COVER ASSY, REAR (FOR LIGHT GRAY)	118
108	4-319-520-00	SCREW, SPECIAL (+PW4X30)		119	4-316-003-21	HOLDER, CORD (FOR DARK GRAY)	
109	4-382-005-11	PANEL, CONTROL (FOR DARK GRAY)			4-316-003-31	HOLDER, CORD (FOR LIGHT GRAY)	
	4-382-005-21	PANEL, CONTROL (FOR LIGHT GRAY)			*4-371-177-01	LABEL, MODEL NUMBER (LARGE)	

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	H2 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	9-990-899-01	KEY TOP	
7	9-991-652-01	FRAME A ASSY	1,2	8	9-990-902-01	COIL SPRING	
				9	9-990-900-01	STOPPER	
				10	8-741-138-70	DETECTOR	
				11	*9-990-898-01	N BOARD	
				12	*9-990-897-01	H1 BOARD	
				13	9-991-653-01	FRAME B ASSY	1,2,7,8,9

SECTION 8 ELECTRICAL PARTS LIST

NOTE:

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

Les composants identifiés par une trame et une marque **▲** 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.

- RESISTORS
- All resistors are in ohms
 - F : nonflammable

- COILS
- MMH : mH, UH : μ H

- CAPACITORS
- MF : μ F, PF : μ μ F

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

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

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
*A-1135-428-A	B BOARD, COMPLETE			C126	1-123-380-00	ELECT 1MF	20% 50V
	*****			C127	1-123-380-00	ELECT 1MF	20% 50V
				C128	1-123-380-00	ELECT 1MF	20% 50V
				C129	1-101-006-00	CERAMIC 0.047MF	50V
				C130	1-101-006-00	CERAMIC 0.047MF	50V
				C131	1-123-380-00	ELECT 1MF	20% 50V
				C132	1-123-380-00	ELECT 1MF	20% 50V
				C133	1-123-380-00	ELECT 1MF	20% 50V
				C134	1-123-380-00	ELECT 1MF	20% 50V
				C135	1-123-351-00	ELECT 0.47MF	20% 50V
				C136	1-101-006-00	CERAMIC 0.047MF	50V
				C137	1-124-443-00	ELECT 100MF	20% 10V
				C138	1-124-443-00	ELECT 100MF	20% 10V
				C139	1-123-356-00	ELECT 10MF	20% 16V
				C140	1-124-443-00	ELECT 100MF	20% 10V
				C141	1-123-356-00	ELECT 10MF	20% 16V
				C142	1-102-074-00	CERAMIC 0.001MF	10% 50V
				C143	1-108-618-91	MYLAR 0.0022MF	10% 100V
				C144	1-108-618-91	MYLAR 0.0022MF	10% 100V
				C145	1-119-354-00	ELECT 330MF	10% 10V
				C146	1-124-892-11	ELECT 47MF	20% 10V
				C147	1-119-354-00	ELECT 330MF	10V
				C148	1-124-443-00	ELECT 100MF	20% 10V
				C149	1-101-006-00	CERAMIC 0.047MF	50V
				C150	1-101-006-00	CERAMIC 0.047MF	50V
				C151	1-124-443-00	ELECT 100MF	20% 10V
				C152	1-124-443-00	ELECT 100MF	20% 10V
				C153	1-101-006-00	CERAMIC 0.047MF	50V
				C154	1-101-006-00	CERAMIC 0.047MF	50V
				C155	1-102-074-00	CERAMIC 0.001MF	10% 50V
				C156	1-101-006-00	CERAMIC 0.047MF	50V
				C157	1-101-006-00	CERAMIC 0.047MF	50V
				C158	1-101-006-00	CERAMIC 0.047MF	50V
				C159	1-101-006-00	CERAMIC 0.047MF	50V
				C160	1-102-129-00	CERAMIC 0.01MF	10% 50V
				C161	1-102-129-00	CERAMIC 0.01MF	10% 50V
				C162	1-108-837-00	MYLAR 0.01MF	10% 50V
				C163	1-123-356-00	ELECT 10MF	20% 16V
				C165	1-124-443-00	ELECT 100MF	20% 10V
				C170	1-123-356-00	ELECT 10MF	20% 16V
				C301	1-123-356-00	ELECT 10MF	20% 16V
				C302	1-102-961-00	CERAMIC 27PF	5% 50V
				C303	1-123-356-00	ELECT 10MF	20% 16V
				C304	1-102-971-00	CERAMIC 82PF	5% 50V
				C305	1-102-971-00	CERAMIC 82PF	5% 50V
				C306	1-123-380-00	ELECT 1MF	20% 50V
				C307	1-123-380-00	ELECT 1MF	20% 50V
				C308	1-102-978-00	CERAMIC 220PF	5% 50V
				C311	1-123-330-00	ELECT 22MF	20% 16V
				C312	1-102-971-00	CERAMIC 82PF	5% 50V
				C316	1-102-858-00	CERAMIC 10PF	0.5PF 50V
				C317	1-102-858-00	CERAMIC 10PF	0.5PF 50V
				C318	1-123-380-00	ELECT 1MF	20% 50V

B

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
C320	1-123-356-00	ELECT 10MF	20% 16V	C1340	1-123-380-00	ELECT 1MF	20% 50V
C321	1-102-888-00	CERAMIC 150PF	5% 50V	C1341	1-123-380-00	ELECT 1MF	20% 50V
C324	1-101-006-00	CERAMIC 0.047MF	50V	C1342	1-108-630-91	MYLAR 0.022MF	10% 100V
C325	1-102-973-00	CERAMIC 100PF	5% 50V	C1343	1-136-165-00	FILM 0.1MF	5% 50V
C326	1-123-380-00	ELECT 1MF	20% 50V	C1344	1-102-973-00	CERAMIC 100PF	5% 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	TRIMMER			
C333	1-123-356-00	ELECT 10MF	20% 16V	CV401	1-141-147-XX	CAP, TRIMMER	
C335	1-102-887-00	CERAMIC 47PF	5% 50V	DIODE			
C401	1-123-330-00	ELECT 22MF	20% 16V	D101	8-719-109-95	DIODE RD6.8ES-B	
C402	1-124-555-00	ELECT 1000MF	20% 16V	D102	8-719-109-95	DIODE RD6.8ES-B	
C403	1-102-125-00	CERAMIC 0.0047MF	10% 50V	D103	8-719-911-19	DIODE 1SS119	
C404	1-123-447-00	ELECT 0.22MF	20% 50V	D104	8-719-101-39	DIODE RD3.6E-L2	
C405	1-102-129-00	CERAMIC 0.01MF	10% 50V	D105	8-719-511-20	DIODE SLVB20	
C406	1-123-447-00	ELECT 0.22MF	20% 50V	D106	8-719-920-02	DIODE ERB12-02	
C407	1-123-356-00	ELECT 10MF	20% 16V	D107	8-719-110-83	DIODE RD36ES-B2	
C409	1-102-865-00	CERAMIC 8PF	0.5PF 50V	D108	8-719-921-20	DIODE 1SS119TD	
C410	1-102-074-00	CERAMIC 0.001MF	10% 50V	D109	8-719-911-19	DIODE 1SS119	
C411	1-123-351-00	ELECT 0.47MF	20% 50V	D110	8-719-911-19	DIODE 1SS119	
C412	1-123-351-00	ELECT 0.47MF	20% 50V	D111	8-719-109-85	DIODE RD5.1ES-B2	
C413	1-123-330-00	ELECT 22MF	20% 16V	D118	8-719-109-91	DIODE RD6.2ES-B	
C414	1-124-645-11	ELECT 10MF	20% 16V	D120	8-719-110-34	DIODE RD13ES-B	
C416	1-123-381-00	ELECT 2.2MF	20% 50V	D126	8-719-109-91	DIODE RD6.2ES-B	
C418	1-123-318-00	ELECT 33MF	20% 16V	D129	8-719-109-91	DIODE RD6.2ES-B	
C419	1-123-607-00	ELECT 0.1MF	20% 50V	D131	8-719-109-91	DIODE RD6.2ES-B	
C420	1-124-896-00	ELECT 33MF	20% 16V	D132	8-719-109-91	DIODE RD6.2ES-B	
C421	1-123-332-00	ELECT 47MF	20% 16V	D401	8-719-911-19	DIODE 1SS119	
C440	1-123-356-00	ELECT 10MF	20% 16V	D402	8-719-911-19	DIODE 1SS119	
C441	1-124-655-11	ELECT 0.47MF	20% 50V	D403	8-719-911-19	DIODE 1SS119	
C442	1-123-332-00	ELECT 47MF	20% 16V	D404	8-719-911-19	DIODE 1SS119	
C443	1-123-381-00	ELECT 2.2MF	20% 50V	D441	8-719-911-19	DIODE 1SS119	
C444	1-102-129-00	CERAMIC 0.01MF	10% 50V	D443	8-719-911-19	DIODE 1SS119	
C445	1-124-478-11	ELECT 100MF	20% 25V	D444	8-719-911-19	DIODE 1SS119	
C446	1-123-351-00	ELECT 0.47MF	20% 50V	D445	8-719-911-19	DIODE 1SS119	
C447	1-102-973-00	CERAMIC 100PF	5% 50V	D470	8-719-911-19	DIODE 1SS119	
C1301	1-123-330-00	ELECT 22MF	20% 16V	D471	8-719-911-19	DIODE 1SS119	
C1302	1-124-896-00	ELECT 33MF	20% 16V	D472	8-719-911-19	DIODE 1SS119	
C1303	1-123-380-00	ELECT 1MF	20% 50V	D473	8-719-911-19	DIODE 1SS119	
C1304	1-101-006-00	CERAMIC 0.047MF	50V	D474	8-719-911-19	DIODE 1SS119	
C1305	1-106-196-00	MYLAR 0.01MF	10% 100V	D475	8-719-911-19	DIODE 1SS119	
C1306	1-102-971-00	CERAMIC 82PF	5% 50V	D1301	8-719-911-19	DIODE 1SS119	
C1307	1-124-645-11	ELECT 10MF	20% 16V	D1302	8-719-911-19	DIODE 1SS119	
C1308	1-101-006-00	CERAMIC 0.047MF	50V	D1303	8-719-911-19	DIODE 1SS119	
C1309	1-102-129-00	CERAMIC 0.01MF	10% 50V	D1304	8-719-911-19	DIODE 1SS119	
C1310	1-123-332-00	ELECT 47MF	20% 16V	D1331	8-719-911-19	DIODE 1SS119	
C1311	1-123-356-00	ELECT 10MF	20% 16V	D1332	8-719-109-85	DIODE RD5.1ES-B2	
C1333	1-108-617-91	MYLAR 0.0018MF	10% 100V	D1401	8-719-911-19	DIODE 1SS119	
C1336	1-108-618-91	MYLAR 0.0022MF	10% 100V	D1402	8-719-911-19	DIODE 1SS119	
C1338	1-124-478-11	ELECT 100MF	20% 25V				
C1339	1-123-321-00	ELECT 220MF	20% 16V				

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
<u>DELAY LINE</u>							
DL 301	1-415-280-00	DELAY LINE (1H)		Q109	8-729-178-54	TRANSISTOR 2SC2785	
DL 302	1-415-510-11	DELAY LINE, Y		Q110	A 8-729-101-54	TRANSISTOR 2SA1175TP-F	
				Q111	8-729-117-54	TRANSISTOR 2SA1175	
				Q112	8-729-178-54	TRANSISTOR 2SC2785	
				Q113	8-729-373-92	TRANSISTOR 2SB739	
<u>IC</u>							
IC101	8-759-105-89	IC UPD7508HCU-222		Q115	8-729-900-36	TRANSISTOR DTC124ES	
IC102	8-759-102-12	IC UPD6250C		Q116	8-729-117-54	TRANSISTOR 2SA1175	
IC103	A 8-759-102-28	IC UPD6326C		Q117	8-729-178-54	TRANSISTOR 2SC2785	
IC104	8-759-182-43	IC UPD8243C(M)		Q301	8-729-178-54	TRANSISTOR 2SC2785	
IC105	8-759-104-05	IC UPD6325C		Q302	8-729-178-54	TRANSISTOR 2SC2785	
IC106	8-759-207-07	IC TD62381P		Q303	8-729-178-54	TRANSISTOR 2SC2785	
IC107	8-759-207-07	IC TD62381P		Q304	8-729-117-54	TRANSISTOR 2SA1175	
IC108	A 8-759-108-05	IC UPC78L05A		Q305	8-729-117-54	TRANSISTOR 2SA1175	
IC109	8-759-171-05	IC UPC7805H		Q306	8-729-178-54	TRANSISTOR 2SC2785	
IC110	8-759-140-66	IC UPD4066BC		Q307	8-729-178-54	TRANSISTOR 2SC2785	
IC301	8-759-913-11	IC CX20125		Q308	8-729-178-54	TRANSISTOR 2SC2785	
IC401	8-758-480-00	IC CX848		Q309	8-729-178-54	TRANSISTOR 2SC2785	
IC1301	A 8-759-171-12	IC MPC7812H		Q313	8-729-178-54	TRANSISTOR 2SC2785	
				Q314	8-729-178-54	TRANSISTOR 2SC2785	
				Q315	8-729-900-36	TRANSISTOR DTC124ES	
<u>CONNECTOR</u>							
J201	*1-564-529-11	CONNECTOR, BOARD TO BOARD 5P		Q316	8-729-178-54	TRANSISTOR 2SC2785	
<u>COIL</u>							
L101	1-407-708-00	MICRO INDUCTOR 180UH		Q317	8-729-117-54	TRANSISTOR 2SA1175	
L102	1-407-708-00	MICRO INDUCTOR 180UH		Q318	8-729-178-54	TRANSISTOR 2SC2785	
L103	1-408-424-00	MICRO INDUCTOR 180UH		Q322	8-729-600-12	TRANSISTOR 2SK108	
L104	1-408-424-00	MICRO INDUCTOR 180UH		Q323	8-729-600-12	TRANSISTOR 2SK108	
L105	1-408-424-00	MICRO INDUCTOR 180UH					
L106	1-408-424-00	MICRO INDUCTOR 180UH		Q324	8-729-178-54	TRANSISTOR 2SC2785	
L301	1-408-412-00	MICRO INDUCTOR 18UH		Q325	8-729-178-54	TRANSISTOR 2SC2785	
L302	1-407-571-00	COIL, VARIABLE 22UH		Q326	8-729-178-54	TRANSISTOR 2SC2785	
L303	1-408-412-00	MICRO INDUCTOR 18UH		Q327	8-729-178-54	TRANSISTOR 2SC2785	
L304	1-408-411-00	MICRO INDUCTOR 15UH		Q328	8-729-178-54	TRANSISTOR 2SC2785	
L305	1-408-411-00	MICRO INDUCTOR 15UH		Q329	8-729-117-54	TRANSISTOR 2SA1175	
L306	1-408-417-00	MICRO INDUCTOR 47UH		Q440	A 8-729-101-36	TRANSISTOR 2SC2785TP-H	
L307	1-408-412-00	MICRO INDUCTOR 18UH		Q441	8-729-117-54	TRANSISTOR 2SA1175	
L308	1-409-193-00	COIL 3.58MHZ TRAP		Q442	8-729-178-54	TRANSISTOR 2SC2785	
L401	1-408-398-00	MICRO INDUCTOR 1.2UH		Q443	8-729-178-54	TRANSISTOR 2SC2785	
L402	1-408-398-00	MICRO INDUCTOR 1.2UH		Q444	8-729-117-54	TRANSISTOR 2SA1175	
L404	1-408-398-00	MICRO INDUCTOR 1.2UH		Q445	8-729-117-54	TRANSISTOR 2SA1175	
L1330	1-408-236-00	MICRO INDUCTOR 2.7MMH		Q446	8-729-178-54	TRANSISTOR 2SC2785	
L1331	1-407-364-00	COIL, SPOOK CHOKE 3.3UH		Q447	8-729-178-54	TRANSISTOR 2SC2785	
				Q448	8-729-178-54	TRANSISTOR 2SC2785	
<u>TRANSISTOR</u>							
Q101	8-729-117-54	TRANSISTOR 2SA1175		Q449	8-729-117-54	TRANSISTOR 2SA1175	
Q102	8-729-117-54	TRANSISTOR 2SA1175		Q450	8-729-178-54	TRANSISTOR 2SC2785	
Q103	8-729-178-54	TRANSISTOR 2SC2785		Q451	8-729-117-54	TRANSISTOR 2SA1175	
Q104	8-729-178-54	TRANSISTOR 2SC2785		Q452	8-729-178-54	TRANSISTOR 2SC2785	
Q105	8-729-178-54	TRANSISTOR 2SC2785		Q453	8-729-117-54	TRANSISTOR 2SA1175	
Q106	8-729-117-54	TRANSISTOR 2SA1175		Q454	8-729-117-54	TRANSISTOR 2SA1175	
Q107	8-729-178-54	TRANSISTOR 2SC2785		Q470	8-729-117-54	TRANSISTOR 2SA1175	
Q108	8-729-178-54	TRANSISTOR 2SC2785		Q471	8-729-178-54	TRANSISTOR 2SC2785	
				Q472	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	

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
Q1301	8-729-178-54	TRANSISTOR 2SC2785		R117	1-249-429-11	CARBON 10K 5% 1/6W	
Q1302	8-729-117-54	TRANSISTOR 2SA1175		R118	1-249-429-11	CARBON 10K 5% 1/6W	
Q1303	8-729-178-54	TRANSISTOR 2SC2785		R119	1-249-441-11	CARBON 100K 5% 1/6W	
Q1304	8-729-178-54	TRANSISTOR 2SC2785		R120	1-249-382-11	CARBON 1.2 5% 1/6W	F
Q1305	8-729-178-54	TRANSISTOR 2SC2785		R121	1-247-739-11	CARBON 100 5% 1/2W	F
Q1306	8-729-178-54	TRANSISTOR 2SC2785		R122	1-249-389-11	CARBON 4.7 5% 1/6W	F
Q1307	8-729-178-54	TRANSISTOR 2SC2785		R123	1-247-845-00	CARBON 3.9K 5% 1/6W	
Q1308	8-729-178-54	TRANSISTOR 2SC2785		R124	1-249-469-11	CARBON 100K 5% 1/4W	
Q1311	8-729-117-54	TRANSISTOR 2SA1175		R125	1-249-433-11	CARBON 22K 5% 1/6W	
Q1331	8-729-178-54	TRANSISTOR 2SC2785		R126	1-247-726-11	CARBON 33K 5% 1/4W	
Q1332	8-729-117-54	TRANSISTOR 2SA1175		R128	1-249-405-11	CARBON 100 5% 1/6W	
Q1333	8-729-117-54	TRANSISTOR 2SA1175		R129	1-249-421-11	CARBON 2.2K 5% 1/6W	
Q1334	8-729-117-54	TRANSISTOR 2SA1175		R130	1-247-706-11	CARBON 330 5% 1/4W	
Q1401	8-729-117-54	TRANSISTOR 2SA1175		R131	1-249-417-11	CARBON 1K 5% 1/6W	
Q1402	8-729-117-54	TRANSISTOR 2SA1175		R132	1-249-417-11	CARBON 1K 5% 1/6W	
Q1403	8-729-117-54	TRANSISTOR 2SA1175		R133	1-249-421-11	CARBON 2.2K 5% 1/6W	
Q1404	8-729-117-54	TRANSISTOR 2SA1175		R134	1-249-421-11	CARBON 2.2K 5% 1/6W	
Q1405	8-729-117-54	TRANSISTOR 2SA1175		R135	1-249-421-11	CARBON 2.2K 5% 1/6W	
Q1406	8-729-117-54	TRANSISTOR 2SA1175		R136	1-249-421-11	CARBON 2.2K 5% 1/6W	
Q1407	8-729-117-54	TRANSISTOR 2SA1175		R137	1-249-421-11	CARBON 2.2K 5% 1/6W	
Q1408	8-729-117-54	TRANSISTOR 2SA1175		R138	1-249-421-11	CARBON 2.2K 5% 1/6W	
Q1409	8-729-117-54	TRANSISTOR 2SA1175		R140	1-249-421-11	CARBON 2.2K 5% 1/6W	
Q1410	8-729-117-54	TRANSISTOR 2SA1175		R141	1-249-421-11	CARBON 2.2K 5% 1/6W	
Q1411	8-729-117-54	TRANSISTOR 2SA1175		R142	1-249-421-11	CARBON 2.2K 5% 1/6W	
Q1412	8-729-117-54	TRANSISTOR 2SA1175		R143	1-249-421-11	CARBON 2.2K 5% 1/6W	
Q1413	8-729-117-54	TRANSISTOR 2SA1175		R144	1-247-710-11	CARBON 560 5% 1/4W	
Q1414	8-729-117-54	TRANSISTOR 2SA1175		R145	1-249-421-11	CARBON 2.2K 5% 1/6W	
Q1415	8-729-117-54	TRANSISTOR 2SA1175		R146	1-249-421-11	CARBON 2.2K 5% 1/6W	
Q1416	8-729-117-54	TRANSISTOR 2SA1175		R147	1-249-421-11	CARBON 2.2K 5% 1/6W	
Q1417	8-729-117-54	TRANSISTOR 2SA1175		R148	1-249-414-11	CARBON 560 5% 1/6W	
Q1418	8-729-117-54	TRANSISTOR 2SA1175		R149	1-247-883-00	CARBON 150K 5% 1/6W	
Q1419	8-729-178-54	TRANSISTOR 2SC2785		R150	1-249-422-11	CARBON 2.7K 5% 1/6W	
Q1420	8-729-117-54	TRANSISTOR 2SA1175		R151	1-247-845-00	CARBON 3.9K 5% 1/6W	
Q1421	8-729-600-12	TRANSISTOR 2SK108		R152	1-249-421-11	CARBON 2.2K 5% 1/6W	
Q1422	8-729-178-54	TRANSISTOR 2SC2785		R153	1-249-421-11	CARBON 2.2K 5% 1/6W	
<u>RESISTOR</u>				R154	1-249-421-11	CARBON 2.2K 5% 1/6W	
R101	1-247-787-00	CARBON 15 5% 1/6W		R155	1-249-421-11	CARBON 2.2K 5% 1/6W	
R102	1-247-787-00	CARBON 15 5% 1/6W		R156	1-247-717-11	CARBON 2.2K 5% 1/4W	
R103	1-249-441-11	CARBON 100K 5% 1/6W		R157	1-247-791-00	CARBON 22 5% 1/6W	
R104	1-249-441-11	CARBON 100K 5% 1/6W		R158	1-247-791-00	CARBON 22 5% 1/6W	
R105	1-247-805-00	CARBON 82 5% 1/6W		R159	1-247-791-00	CARBON 22 5% 1/6W	
R106	1-247-823-00	CARBON 470 5% 1/6W		R160	1-247-791-00	CARBON 22 5% 1/6W	
R107	1-249-421-11	CARBON 2.2K 5% 1/6W		R161	1-247-791-00	CARBON 22 5% 1/6W	
R108	1-249-433-11	CARBON 22K 5% 1/6W		R162	1-247-791-00	CARBON 22 5% 1/6W	
R109	1-249-433-11	CARBON 22K 5% 1/6W		R163	1-247-791-00	CARBON 22 5% 1/6W	
R110	1-249-465-11	CARBON 47K 5% 1/4W		R164	1-247-791-00	CARBON 22 5% 1/6W	
R111	1-249-437-11	CARBON 47K 5% 1/6W		R165	1-247-791-00	CARBON 22 5% 1/6W	
R112	1-247-851-00	CARBON 6.8K 5% 1/6W		R166	1-247-791-00	CARBON 22 5% 1/6W	
R113	1-249-421-11	CARBON 2.2K 5% 1/6W	F	R167	1-247-791-00	CARBON 22 5% 1/6W	
R114	1-249-421-11	CARBON 2.2K 5% 1/6W	F	R168	1-247-791-00	CARBON 22 5% 1/6W	
R115	1-249-425-11	CARBON 4.7K 5% 1/6W		R171	1-247-791-00	CARBON 22 5% 1/6W	
R116	1-249-414-11	CARBON 560 5% 1/6W		R172	1-247-791-00	CARBON 22 5% 1/6W	
				R173	1-247-791-00	CARBON 22 5% 1/6W	


B

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
R176	1-249-429-11	CARBON	10K 5% 1/6W	R333	1-247-815-00	CARBON	220 5% 1/6W
R178	1-249-433-11	CARBON	22K 5% 1/6W	R334	1-247-815-00	CARBON	220 5% 1/6W
R179	1-249-421-11	CARBON	2.2K 5% 1/6W	R335	1-249-417-11	CARBON	1K 5% 1/6W
R180	1-249-421-11	CARBON	2.2K 5% 1/6W	R336	1-249-417-11	CARBON	1K 5% 1/6W
R181	1-249-421-11	CARBON	2.2K 5% 1/6W	R337	1-247-713-11	CARBON	1K 5% 1/4W
R182	1-247-839-00	CARBON	2.2K 5% 1/6W	R338	1-247-815-00	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	1-247-895-00	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	1-247-897-00	CARBON	560K 5% 1/6W
R194	1-249-405-11	CARBON	100 5% 1/6W	R351	1-247-899-00	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
R198	1-249-433-11	CARBON	22K 5% 1/6W	R354	1-249-417-11	CARBON	1K 5% 1/6W
R199	1-249-437-11	CARBON	47K 5% 1/6W	R355	1-249-433-11	CARBON	22K 5% 1/6W
R301	1-247-819-00	CARBON	330 5% 1/6W	R357	1-247-829-00	CARBON	820 5% 1/6W
R302	1-247-813-00	CARBON	180 5% 1/6W	R358	1-247-845-00	CARBON	3.9K 5% 1/6W
R303	1-249-417-11	CARBON	1K 5% 1/6W	R359	1-247-823-00	CARBON	470 5% 1/6W
R304	1-249-414-11	CARBON	560 5% 1/6W	R360	1-247-833-00	CARBON	1.2K 5% 1/6W
R305	1-247-836-00	CARBON	1.6K 5% 1/6W	R381	1-249-417-11	CARBON	1K 5% 1/6W
R306	1-247-823-00	CARBON	470 5% 1/6W	R382	1-247-826-00	CARBON	620 5% 1/6W
R307	1-247-873-00	CARBON	56K 5% 1/6W	R383	1-247-838-00	CARBON	2K 5% 1/6W
R308	1-247-862-00	CARBON	20K 5% 1/6W	R384	1-249-419-11	CARBON	1.5K 5% 1/6W
R309	1-249-417-11	CARBON	1K 5% 1/6W	R385	1-249-434-11	CARBON	27K 5% 1/6W
R310	1-249-425-11	CARBON	4.7K 5% 1/6W	R386	1-249-432-11	CARBON	18K 5% 1/6W
R311	1-247-821-00	CARBON	390 5% 1/6W	R387	1-247-823-00	CARBON	470 5% 1/6W
R312	1-247-866-00	CARBON	30K 5% 1/6W	R388	1-249-417-11	CARBON	1K 5% 1/6W
R313	1-247-873-00	CARBON	56K 5% 1/6W	R389	1-247-829-00	CARBON	820 5% 1/6W
R314	1-247-823-00	CARBON	470 5% 1/6W	R390	1-247-822-00	CARBON	430 5% 1/6W
R315	1-247-823-00	CARBON	470 5% 1/6W	R391	1-247-819-00	CARBON	330 5% 1/6W
R316	1-247-823-00	CARBON	470 5% 1/6W	R392	1-249-405-11	CARBON	100 5% 1/6W
R317	1-249-422-11	CARBON	2.7K 5% 1/6W	R393	1-249-405-11	CARBON	100 5% 1/6W
R318	1-249-415-11	CARBON	680 5% 1/6W	R394	1-249-405-11	CARBON	100 5% 1/6W
R319	1-247-711-11	CARBON	680 5% 1/4W	R401	1-249-405-11	CARBON	100 5% 1/6W
R320	1-249-415-11	CARBON	680 5% 1/6W	R402	1-247-821-00	CARBON	390 5% 1/6W
R321	1-249-415-11	CARBON	680 5% 1/6W	R403	1-249-433-11	CARBON	22K 5% 1/6W
R322	1-247-803-00	CARBON	68 5% 1/6W	R404	1-247-829-00	CARBON	820 5% 1/6W
R323	1-247-833-00	CARBON	1.2K 5% 1/6W	R405	1-247-706-11	CARBON	330 5% 1/4W
R324	1-247-815-00	CARBON	220 5% 1/6W	R407	1-247-815-00	CARBON	220 5% 1/6W
R325	1-247-815-00	CARBON	220 5% 1/6W	R409	1-247-815-00	CARBON	220 5% 1/6W
R326	1-249-421-11	CARBON	2.2K 5% 1/6W	R410	1-249-429-11	CARBON	10K 5% 1/6W
R327	1-249-415-11	CARBON	680 5% 1/6W	R411	1-249-429-11	CARBON	10K 5% 1/6W
R328	1-247-819-00	CARBON	330 5% 1/6W	R412	1-249-405-11	CARBON	100 5% 1/6W
R329	1-249-415-11	CARBON	680 5% 1/6W	R413	1-247-815-00	CARBON	220 5% 1/6W
R330	1-249-437-11	CARBON	47K 5% 1/6W	R414	1-247-704-11	CARBON	220 5% 1/4W
R331	1-249-433-11	CARBON	22K 5% 1/6W	R415	1-247-704-11	CARBON	220 5% 1/4W



Ref.No.	Part No.	Description	Quantity	Unit	Remark	Ref.No.	Part No.	Description	Quantity	Unit	Remark
R416	1-247-704-11	CARBON	220	5%	1/4W	R1102	1-247-719-11	CARBON	3.3K	5%	1/4W
R418	1-249-405-11	CARBON	100	5%	1/6W	R1103	1-249-441-11	CARBON	100K	5%	1/6W
R419	1-247-903-00	CARBON	1M	5%	1/6W	R1301	1-247-704-11	CARBON	220	5%	1/4W
R420	1-247-725-11	CARBON	10K	5%	1/4W	R1302	1-247-859-00	CARBON	15K	5%	1/6W
R421	1-247-162-00	CARBON	20K	5%	1/4W	R1303	1-247-857-00	CARBON	12K	5%	1/6W
R422	1-247-725-11	CARBON	10K	5%	1/4W	R1304	1-247-881-00	CARBON	120K	5%	1/6W
R423	1-247-172-00	CARBON	51K	5%	1/4W	R1305	1-247-887-00	CARBON	220K	5%	1/6W
R424	1-249-432-11	CARBON	18K	5%	1/6W	R1306	1-247-887-00	CARBON	220K	5%	1/6W
R425	1-247-725-11	CARBON	10K	5%	1/4W	R1307	1-249-433-11	CARBON	22K	5%	1/6W
R426	1-247-704-11	CARBON	220	5%	1/4W	R1308	1-249-429-11	CARBON	10K	5%	1/6W
R440	1-249-421-11	CARBON	2.2K	5%	1/6W	R1309	1-249-433-11	CARBON	22K	5%	1/6W
R441	1-249-423-11	CARBON	3.3K	5%	1/6W	R1310	1-249-433-11	CARBON	22K	5%	1/6W
R442	1-249-437-11	CARBON	47K	5%	1/6W	R1311	1-249-417-11	CARBON	1K	5%	1/6W
R443	1-249-435-11	CARBON	33K	5%	1/6W	R1312	1-249-429-11	CARBON	10K	5%	1/6W
R444	1-247-870-00	CARBON	43K	5%	1/6W	R1313	1-249-429-11	CARBON	10K	5%	1/6W
R445	1-247-849-00	CARBON	5.6K	5%	1/6W	R1314	1-249-434-11	CARBON	27K	5%	1/6W
R452	1-249-441-11	CARBON	100K	5%	1/6W	R1315	1-247-845-00	CARBON	3.9K	5%	1/6W
R453	1-247-819-00	CARBON	330	5%	1/6W	R1316	1-247-815-00	CARBON	220	5%	1/6W
R454	1-247-829-00	CARBON	820	5%	1/6W	R1317	1-249-433-11	CARBON	22K	5%	1/6W
R455	1-247-815-00	CARBON	220	5%	1/6W	R1318	1-249-419-11	CARBON	1.5K	5%	1/6W
R457	1-247-845-00	CARBON	3.9K	5%	1/6W	R1319	1-247-819-00	CARBON	330	5%	1/6W
R459	1-249-429-11	CARBON	10K	5%	1/6W	R1320	1-249-405-11	CARBON	100	5%	1/6W
R460	1-249-423-11	CARBON	3.3K	5%	1/6W	R1321	1-249-421-11	CARBON	2.2K	5%	1/6W
R461	1-249-423-11	CARBON	3.3K	5%	1/6W	R1322	1-249-421-11	CARBON	2.2K	5%	1/6W
R470	1-249-460-11	CARBON	15K	5%	1/4W	R1323	1-247-891-00	CARBON	330K	5%	1/6W
R472	1-247-713-11	CARBON	1K	5%	1/4W	R1324	1-247-891-00	CARBON	330K	5%	1/6W
R473	1-249-417-11	CARBON	1K	5%	1/6W	R1325	1-249-417-11	CARBON	1K	5%	1/6W
R474	1-249-417-11	CARBON	1K	5%	1/6W	R1326	1-216-349-51	METAL OXIDE	1	5%	1W F
R475	1-247-815-00	CARBON	220	5%	1/6W	R1334	1-249-421-11	CARBON	2.2K	5%	1/6W
R476	1-249-425-11	CARBON	4.7K	5%	1/6W	R1335	1-249-405-11	CARBON	100	5%	1/6W
R477	1-249-425-11	CARBON	4.7K	5%	1/6W	R1336	1-249-429-11	CARBON	10K	5%	1/6W
R479	1-249-435-11	CARBON	33K	5%	1/6W	R1337	1-249-429-11	CARBON	10K	5%	1/6W
R480	1-247-815-00	CARBON	220	5%	1/6W	R1338	1-247-710-11	CARBON	560	5%	1/4W
R481	1-247-815-00	CARBON	220	5%	1/6W	R1339	1-247-823-00	CARBON	470	5%	1/6W
R482	1-247-848-00	CARBON	5.1K	5%	1/6W	R1340	1-247-815-00	CARBON	220	5%	1/6W
R483	1-247-815-00	CARBON	220	5%	1/6W	R1341	1-247-819-00	CARBON	330	5%	1/6W
R484	1-249-441-11	CARBON	100K	5%	1/6W	R1342	1-247-710-11	CARBON	560	5%	1/4W
R485	1-247-891-00	CARBON	330K	5%	1/6W	R1343	1-247-845-00	CARBON	3.9K	5%	1/6W
R486	1-249-429-11	CARBON	10K	5%	1/6W	R1344	1-249-437-11	CARBON	47K	5%	1/6W
R487	1-249-417-11	CARBON	1K	5%	1/6W	R1345	1-247-901-00	CARBON	820K	5%	1/6W
R488	1-247-887-00	CARBON	220K	5%	1/6W	R1346	1-202-730-00	SO ² ID	8.2M	10%	1/2W
R489	1-247-851-00	CARBON	6.8K	5%	1/6W	R1347	1-249-422-11	CARBON	2.7K	5%	1/6W
R490	1-249-417-11	CARBON	1K	5%	1/6W	R1348	1-247-815-00	CARBON	220	5%	1/6W
R491	1-249-429-11	CARBON	10K	5%	1/6W	R1349	1-249-423-11	CARBON	3.3K	5%	1/6W
R492	1-249-417-11	CARBON	1K	5%	1/6W	R1350	1-215-471-91	METAL	120K	1%	1/6W
R493	1-249-405-11	CARBON	100	5%	1/6W	R1401	1-249-423-11	CARBON	3.3K	5%	1/6W
R494	1-249-433-11	CARBON	22K	5%	1/6W	R1402	1-249-423-11	CARBON	3.3K	5%	1/6W
R495	1-249-429-11	CARBON	10K	5%	1/6W	R1403	1-249-423-11	CARBON	3.3K	5%	1/6W
R496	1-247-857-00	CARBON	12K	5%	1/6W	R1404	1-249-423-11	CARBON	3.3K	5%	1/6W
R497	1-247-844-00	CARBON	3.6K	5%	1/6W	R1405	1-247-833-00	CARBON	1.2K	5%	1/6W
R498	1-249-421-11	CARBON	2.2K	5%	1/6W	R1406	1-249-417-11	CARBON	1K	5%	1/6W
R499	1-249-429-11	CARBON	10K	5%	1/6W	R1407	1-249-417-11	CARBON	1K	5%	1/6W
R1101	1-249-441-11	CARBON	100K	5%	1/6W	R1408	1-249-405-11	CARBON	100	5%	1/6W

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B **B2** **F**

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
R1409	1-249-405-11	CARBON	100 5% 1/6W	C315	1-123-307-00	ELECT	100MF 20% 10V
R1410	1-249-405-11	CARBON	100 5% 1/6W	C322	1-102-971-00	CERAMIC	82PF 5% 50V
R1411	1-215-409-00	METAL	330 1% 1/6W	C323	1-123-307-00	ELECT	100MF 20% 10V
R1412	1-249-417-11	CARBON	1K 5% 1/6W				
R1413	1-214-727-00	METAL	820 1% 1/4W			DELAY LINE	
R1414	1-214-727-00	METAL	820 1% 1/4W	DL_303	1-415-509-11	DELAY LINE	
R1415	1-247-838-00	CARBON	2K 5% 1/6W	DL_304	1-415-509-11	DELAY LINE	
R1416	1-249-417-11	CARBON	1K 5% 1/6W			CONNECTOR	
R1417	1-215-409-00	METAL	330 1% 1/6W				
R1418	1-215-409-00	METAL	330 1% 1/6W	P201	*1-562-516-11	CONNECTOR, BOARD TO BOARD 5P	
R1419	1-215-409-00	METAL	330 1% 1/6W			TRANSISTOR	
R1420	1-215-409-00	METAL	330 1% 1/6W	Q310	8-729-178-54	TRANSISTOR 2SC2785	
R1421	1-247-833-00	CARBON	1.2K 5% 1/6W	Q311	8-729-117-54	TRANSISTOR 2SA1175	
R1422	1-249-429-11	CARBON	10K 5% 1/6W	Q312	8-729-117-54	TRANSISTOR 2SA1175	
R1423	1-249-423-11	CARBON	3.3K 5% 1/6W	Q319	8-729-117-54	TRANSISTOR 2SA1175	
R1424	1-247-869-00	CARBON	39K 5% 1/6W	Q320	8-729-178-54	TRANSISTOR 2SC2785	
R1425	1-249-432-11	CARBON	18K 5% 1/6W	Q321	8-729-178-54	TRANSISTOR 2SC2785	
R1426	1-249-421-11	CARBON	2.2K 5% 1/6W			RESISTOR	
R1427	1-249-421-11	CARBON	2.2K 5% 1/6W	R361	1-247-845-00	CARBON	3.9K 5% 1/6W
R1428	1-247-829-00	CARBON	820 5% 1/6W	R362	1-249-433-11	CARBON	22K 5% 1/6W
R1429	1-215-421-00	METAL	1K 1% 1/6W	R363	1-249-421-11	CARBON	2.2K 5% 1/6W
R1430	1-215-432-00	METAL	3K 1% 1/6W	R364	1-249-417-11	CARBON	1K 5% 1/6W
R1431	1-249-429-11	CARBON	10K 5% 1/6W	R365	1-249-417-11	CARBON	1K 5% 1/6W
R1432	1-249-429-11	CARBON	10K 5% 1/6W	R366	1-247-833-00	CARBON	1.2K 5% 1/6W
R1433	1-249-441-11	CARBON	100K 5% 1/6W	R367	1-249-417-11	CARBON	1K 5% 1/6W
		VARIABLE RESISTOR		R368	1-249-417-11	CARBON	1K 5% 1/6W
RV301	1-228-718-00	RES, ADJ, CERAMIC	CARBON 330	R369	1-249-417-11	CARBON	1K 5% 1/6W
RV401	1-228-724-00	RES, ADJ, CERAMIC	CARBON 10K	R370	1-249-421-11	CARBON	2.2K 5% 1/6W
RV402	1-228-724-00	RES, ADJ, CERAMIC	CARBON 10K	R371	1-249-417-11	CARBON	1K 5% 1/6W
RV403	1-228-724-00	RES, ADJ, CERAMIC	CARBON 10K	R372	1-249-420-11	CARBON	1.8K 5% 1/6W
RV471	1-228-724-00	RES, ADJ, CERAMIC	CARBON 10K	R373	1-249-421-11	CARBON	2.2K 5% 1/6W
RV472	1-228-724-00	RES, ADJ, CERAMIC	CARBON 10K	R374	1-249-414-11	CARBON	560 5% 1/6W
RV1401	1-228-719-00	RES, ADJ, CERAMIC	CARBON 470	R375	1-249-419-11	CARBON	1.5K 5% 1/6W
RV1402	1-228-719-00	RES, ADJ, CERAMIC	CARBON 470	R376	1-247-821-00	CARBON	390 5% 1/6W
RV1403	1-228-724-00	RES, ADJ, CERAMIC	CARBON 10K	R377	1-247-821-00	CARBON	390 5% 1/6W
		TRANSFORMER		R378	1-249-421-11	CARBON	2.2K 5% 1/6W
T301	1-425-786-00	TRANSFORMER, BANDPASS(BPT)		R379	1-249-435-11	CARBON	33K 5% 1/6W
		CRYSTAL		R380	1-247-859-00	CARBON	15K 5% 1/6W
X101	1-567-192-11	OSCILLATOR, CERAMIC				*****	
X401	1-527-722-00	OSCILLATOR, CRYSTAL				*1-619-285-11 F BOARD	
		*****				*****	
	*1-619-318-11	B2 BOARD	*****			CAPACITOR	
		CAPACITOR		C601	1-136-346-11	FILM	0.22MF 20% 125V
C309	1-101-006-00	CERAMIC	0.047MF 50V	C602	1-136-346-11	FILM	0.22MF 20% 125V
C310	1-123-318-00	ELECT	33MF 20% 16V	C603	1-162-578-51	CERAMIC	0.0047MF 20% 400V
C313	1-123-307-00	ELECT	100MF 20% 10V	C604	1-162-578-51	CERAMIC	0.0047MF 20% 400V
C314	1-102-963-00	CERAMIC	33PF 5% 50V	C605	1-162-578-00	CERAMIC	0.0047MF 20% 400V
				C606	1-162-578-00	CERAMIC	0.0047MF 20% 400V

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F GA

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
C607	1-125-295-00	ELECT(BLOCK) 560MF	20% 200V	*1-613-423-11	GA BOARD	*****	
C608	1-125-295-00	ELECT(BLOCK) 560MF	20% 200V				
C611	▲ 1-162-578-51	CERAMIC 0.0047MF	20% 400V				
C612	▲ 1-162-578-51	CERAMIC 0.0047MF	20% 400V				
<u>DIODE</u>				<u>CAPACITOR</u>			
D601	8-719-911-55	DIODE U05G		C652	1-136-103-00	FILM 0.1MF	5% 200V
D602	8-719-911-55	DIODE U05G		C654	1-136-103-00	FILM 0.1MF	5% 200V
D603	▲ 8-719-938-40	DIODE SIB01-02V1		C655	1-136-131-00	FILM 0.12MF	5% 400V
<u>CONNECTOR</u>				C656	1-162-578-00	CERAMIC 0.0047MF	20% 400V
F1	*1-508-765-00	3P PLUG (M)		C671	1-136-120-00	FILM 0.22MF	5% 400V
F2	*1-566-063-11	PIN, CONNECTOR 11P		C672	1-162-318-11	CERAMIC 0.001MF	10% 500V
F3	*1-508-765-00	3P PLUG (M)		C673	1-162-318-11	CERAMIC 0.001MF	10% 500V
F4	*1-508-765-00	3P PLUG (M)		C675	1-162-318-11	CERAMIC 0.001MF	10% 500V
F5	*1-508-784-00	1P PLUG		C677	1-162-318-11	CERAMIC 0.001MF	10% 500V
F6	*1-506-371-00	2P PLUG (L)		C680	1-102-030-00	CERAMIC 330PF	10% 500V
F7	*1-508-765-00	3P PLUG (M)		C681	1-102-030-00	CERAMIC 330PF	10% 500V
F8	1-506-348-XX	4P PLUG		<u>DIODE</u>			
F9	*1-508-784-00	1P PLUG		D651	8-719-302-11	DIODE RM2CSS	
F10	1-506-348-XX	3P PLUG (L)		D652	8-719-901-93	DIODE V19E	
F11	*1-508-784-00	1P PLUG		D653	8-719-302-11	DIODE RM2CSS	
<u>FUSE</u>				D654	8-719-901-93	DIODE V19E	
F601	▲ 1-532-627-11	FUSE, GLASS TUBE 7A/125V		<u>CONNECTOR</u>			
	1-533-190-11	CLIP, FUSE; F601		G4	*1-508-765-00	3P PLUG (M)	
<u>COIL</u>				<u>COIL</u>			
L601	1-407-780-00	COIL, SPOOK CHOKE		L651	1-425-612-00	COIL, ARE-CORE	
<u>RESISTOR</u>				L652	1-425-612-00	COIL, ARE-CORE	
R601	▲ 1-202-719-91	SO. ID 1M 10% 1/2W		L660	1-425-612-00	COIL, ARE-CORE	
R602	▲ 1-202-723-91	SO. ID 2.2M 10% 1/2W		L661	1-425-612-00	COIL, ARE-CORE	
R603	1-244-923-00	CARBON 120K 5% 1/2W		<u>TRANSISTOR</u>			
R604	1-244-923-00	CARBON 120K 5% 1/2W		Q651	▲ 8-729-905-49	TRANSISTOR 2SC3163-T	
<u>RELAY</u>					4-374-104-01	HOLDER, TR; Q651	
RL601	▲ 1-515-491-11	RELAY (POWER)			4-374-108-01	SPACER, MICA; Q651	
<u>TRANSFORMER</u>				Q652	▲ 8-729-905-49	TRANSISTOR 2SC3163-T	
T601	▲ 1-421-730-11	LFT			4-374-104-01	HOLDER, TR; Q652	
T602	▲ 1-421-730-11	LFT			4-374-108-01	SPACER, MICA; Q652	
T603	▲ 1-448-755-11	TRANSFORMER, POWER		<u>RESISTOR</u>			
<u>THERMISTOR</u>				R651	1-215-926-00	METAL OX IDE 33K 5% 3W	F
THP601	▲ 1-806-214-21	THERMISTOR (POSITIVE)		R652	1-215-926-00	METAL OX IDE 33K 5% 3W	F
THP602	▲ 1-800-686-42	THERMISTOR (POSITIVE)		R653	1-202-846-00	SO. ID 470K 10% 1/2W	
				R655	1-206-439-00	METAL OX IDE 1 5% 2W	F
				R656	1-206-439-00	METAL OX IDE 1 5% 2W	F
				R660	1-202-846-00	SO. ID 470K 10% 1/2W	
				R662	▲ 1-207-451-11	WIREWOUND 0.1 10% 1/2W	
				<u>TRANSFORMER</u>			
				T651	▲ 1-421-695-11	CDT	
				T652	▲ 1-421-710-11	PRT	

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Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
	*1-613-424-11	GB BOARD *****				RESISTOR	
	1-407-364-00	COIL, SPOOK CHOKE 3.3UH		R657	▲ 1-206-700-61	METAL OXIDE 33K 5% 2W F	
	*3-701-946-22	LABEL, FUSE		R658	▲ 1-246-987-11	CARBON 47 5% 1/8W F	
				R659	▲ 1-246-987-11	CARBON 47 5% 1/8W F	
				R661	▲ 1-202-653-15	SO_LID 2.2M 5% 1/2W	
						TRANSFORMER	
		CAPACITOR		T653	▲ 1-421-894-11	PIT	
C656	1-106-196-00	MYLAR 0.01MF 10% 100V		*****			
C658	1-124-125-91	ELECT 22MF 20% 25V			*A-1330-784-A	C BOARD, COMPLETE *****	
C659	1-129-710-00	FILM 0.0047MF 10% 630V			1-526-644-71	SOCKET, CRT	
C660	1-129-710-00	FILM 0.0047MF 10% 630V				CONNECTOR	
C661	1-136-240-11	FILM 0.014MF 5% 1KV		C1	▲ *1-506-371-21	2P PLUG (L)	
C662	▲ 1-125-294-11	ELECT(BLOCK) 560MF 20% 160V		C2	*1-566-054-11	PIN, CONNECTOR 2P	
C663	1-162-318-11	CERAMIC 0.001MF 10% 500V		C3	*1-566-055-11	PIN, CONNECTOR 3P	
C664	1-162-318-11	CERAMIC 0.001MF 10% 500V		C5	*1-566-061-11	PIN, CONNECTOR 9P	
C665	▲ 1-123-338-51	ELECT 2200MF 20% 25V		C6	*1-566-054-11	PIN, CONNECTOR 2P	
C666	▲ 1-123-324-51	ELECT 1000MF 20% 16V		C7	*1-508-768-00	6P PLUG	
C667	1-162-318-11	CERAMIC 0.001MF 10% 500V		C8	*1-508-784-00	1P PLUG	
C668	1-162-318-11	CERAMIC 0.001MF 10% 500V				CAPACITOR	
C669	▲ 1-123-877-51	ELECT 470MF 20% 35V		C701	1-162-115-00	CERAMIC 330PF 10% 2KV	
C670	▲ 1-123-877-51	ELECT 470MF 20% 35V		C702	1-129-779-00	FILM 0.022MF 20% 1KV	
C682	1-101-006-00	CERAMIC 0.047MF 50V		C703	1-123-383-00	ELECT 4.7MF 20% 100V	
C684	1-124-038-00	ELECT 1MF 20% 50V		C704	1-123-948-00	ELECT 22MF 20% 250V	
				C705	1-108-433-00	MYLAR 0.1MF 10% 200V	
				C706	1-108-433-00	MYLAR 0.1MF 10% 200V	
				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	1-102-115-00	CERAMIC 560PF 10% 50V	
				C713	1-102-116-00	CERAMIC 680PF 10% 50V	
				C714	1-123-321-00	ELECT 220MF 20% 16V	
				C715	1-102-125-00	CERAMIC 0.0047MF 10% 50V	
				C718	1-102-125-00	CERAMIC 0.0047MF 10% 50V	
				C723	1-108-634-81	MYLAR 0.047MF 10% 100V	
				C753	1-102-971-00	CERAMIC 82PF 5% 50V	
				C754	1-108-617-91	MYLAR 0.0018MF 10% 100V	
				C755	1-123-356-00	ELECT 10MF 20% 25V	
				C756	1-106-196-00	MYLAR 0.01MF 10% 100V	
				C757	1-106-196-00	MYLAR 0.01MF 10% 100V	
				C758	1-102-963-00	CERAMIC 33PF 5% 50V	
				C759	1-102-963-00	CERAMIC 33PF 5% 50V	
				C760	1-108-614-91	MYLAR 0.001MF 10% 100V	
				C762	1-106-196-00	MYLAR 0.01MF 10% 100V	
				C763	1-123-356-00	ELECT 10MF 20% 50V	

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C764	1-106-220-00	MYLAR 0.1MF	10% 100V	Q757	△ 8-729-177-42	TRANSISTOR 2SD774-3	
C765	1-123-380-00	ELECT 1MF	20% 50V			RESISTOR	
C766	1-123-360-00	ELECT 100MF	20% 50V				
<u>DIODE</u>							
D701	8-719-911-19	DIODE 1SS119		R701	△ 1-212-352-61	METAL OXIDE 0.22 5% 1W	F
D702	8-719-911-19	DIODE 1SS119		R702	1-202-846-00	SOL ID 470K 10% 1/2W	
D703	8-719-911-19	DIODE 1SS119		R703	1-202-844-00	SOL ID 330K 10% 1/2W	
D704	8-719-911-19	DIODE 1SS119		R704	1-202-815-11	SOL ID 47K 10% 1/2W	
D705	8-719-911-19	DIODE 1SS119		R705	1-202-846-00	SOL ID 470K 10% 1/2W	
D706	8-719-911-19	DIODE 1SS119		R706	1-202-720-00	SOL ID 1.2M 10% 1/2W	
D707	8-719-911-19	DIODE 1SS119		R707	1-202-842-11	SOL ID 220K 10% 1/2W	
D708	8-719-911-19	DIODE 1SS119		R708	1-202-818-00	SOL ID 1K 10% 1/2W	
D709	8-719-911-19	DIODE 1SS119		R709	1-202-818-00	SOL ID 1K 10% 1/2W	
D710	8-719-901-83	DIODE 1SS83		R710	1-202-818-00	SOL ID 1K 10% 1/2W	
D711	8-719-901-83	DIODE 1SS83		R711	1-202-549-00	SOL ID 100 10% 1/2W	
D712	8-719-901-83	DIODE 1SS83		R712	1-202-543-00	SOL ID 56 10% 1/2W	
D713	8-719-901-83	DIODE 1SS83		R713	1-216-486-00	METAL OXIDE 8.2K 5% 3W	F
D751	8-719-911-19	DIODE 1SS119		R714	1-247-815-00	CARBON 220 5% 1/6W	
D752	8-719-911-19	DIODE 1SS119		R715	1-249-429-11	CARBON 10K 5% 1/6W	
<u>COIL</u>							
L701	1-407-701-00	MICRO INDUCTOR 47UH		R716	1-216-486-00	METAL OXIDE 8.2K 5% 3W	F
L702	1-407-708-00	MICRO INDUCTOR 180UH		R717	1-247-815-00	CARBON 220 5% 1/6W	
L703	1-407-706-00	MICRO INDUCTOR 120UH		R720	1-216-486-00	METAL OXIDE 8.2K 5% 3W	F
L704	1-407-694-00	MICRO INDUCTOR 12UH		R721	1-247-815-00	CARBON 220 5% 1/6W	
L705	1-407-696-00	MICRO INDUCTOR 18UH		R722	1-249-405-11	CARBON 100 5% 1/6W	
L706	1-407-709-00	MICRO INDUCTOR 220UH		R723	1-247-700-11	CARBON 100 5% 1/4W	
L707	1-407-695-00	MICRO INDUCTOR 15UH		R724	1-249-405-11	CARBON 100 5% 1/6W	
L721	1-408-446-11	MICRO INDUCTOR 22UH		R725	1-249-429-11	CARBON 10K 5% 1/6W	
L751	1-408-399-00	MICRO INDUCTOR 1.5UH		R726	1-247-813-00	CARBON 180 5% 1/6W	
				R727	1-249-429-11	CARBON 10K 5% 1/6W	
<u>TRANSISTOR</u>							
Q701	8-729-326-11	TRANSISTOR 2SC2611		R728	1-247-813-00	CARBON 180 5% 1/6W	
Q702	8-729-178-54	TRANSISTOR 2SC2785		R729	1-249-441-11	CARBON 100K 5% 1/6W	
Q703	8-729-200-17	TRANSISTOR 2SA1091		R730	1-247-812-00	CARBON 160 5% 1/6W	
Q704	8-729-326-11	TRANSISTOR 2SC2611		R731	1-247-719-11	CARBON 3.3K 5% 1/4W	F
Q705	8-729-178-54	TRANSISTOR 2SC2785		R732	1-247-719-11	CARBON 3.3K 5% 1/4W	F
Q706	8-729-200-17	TRANSISTOR 2SA1091		R733	1-247-719-11	CARBON 3.3K 5% 1/4W	F
Q707	8-729-200-17	TRANSISTOR 2SA1091		R734	△ 1-247-715-11	CARBON 1.5K 5% 1/4W	F
Q708	8-729-326-11	TRANSISTOR 2SC2611		R735	1-246-476-00	CARBON 1.3K 5% 1/4W	
Q709	8-729-178-54	TRANSISTOR 2SC2785		R736	1-246-476-00	CARBON 1.3K 5% 1/4W	
Q710	8-729-255-12	TRANSISTOR 2SC2551		R737	1-249-441-11	CARBON 100K 5% 1/6W	
Q712	8-729-255-12	TRANSISTOR 2SC2551		R739	1-247-881-00	CARBON 120K 5% 1/6W	
Q714	8-729-200-17	TRANSISTOR 2SA1091		R740	△ 1-215-902-51	METAL OXIDE 47K 5% 2W	F
Q715	8-729-200-17	TRANSISTOR 2SA1091		R741	1-247-873-00	CARBON 56K 5% 1/6W	
Q716	8-729-200-17	TRANSISTOR 2SA1091		R742	1-247-725-11	CARBON 10K 5% 1/4W	F
Q751	8-729-178-54	TRANSISTOR 2SC2785		R743	1-247-725-11	CARBON 10K 5% 1/4W	F
Q752	8-729-178-54	TRANSISTOR 2SC2785		R744	1-247-725-11	CARBON 10K 5% 1/4W	F
Q753	8-729-178-54	TRANSISTOR 2SC2785		R745	△ 1-247-713-51	CARBON 1K 5% 1/4W	F
Q754	8-729-177-43	TRANSISTOR 2SD774		R746	△ 1-215-879-51	METAL OXIDE 47K 5% 1W	F
Q755	8-729-178-54	TRANSISTOR 2SC2785		R747	1-247-725-11	CARBON 10K 5% 1/4W	F
Q756	8-729-374-02	TRANSISTOR 2SB740		R751	1-247-704-11	CARBON 220 5% 1/4W	
				R752	1-247-815-00	CARBON 220 5% 1/6W	
				R753	1-247-833-00	CARBON 1.2K 5% 1/6W	
				R754	1-247-821-00	CARBON 390 5% 1/6W	
				R755	△ 1-215-871-51	METAL OXIDE 2.2K 5% 1W	F
				R756	1-249-414-11	CARBON 560 5% 1/6W	

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Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
R757	1-247-849-00	CARBON	5.6K 5% 1/6W	C2527	1-108-614-91	MYLAR	0.001MF 10% 100V
R758	1-249-435-11	CARBON	33K 5% 1/6W	C2530	1-106-224-00	MYLAR	0.15MF 10% 100V
R759	1-249-393-11	CARBON	10 5% 1/6W	C2532	1-106-196-00	MYLAR	0.01MF 10% 100V
R760	1-247-819-00	CARBON	330 5% 1/6W	C2535	1-108-630-91	MYLAR	0.022MF 10% 100V
R761	1-247-815-00	CARBON	220 5% 1/6W	C2536	1-123-351-00	ELECT	0.47MF 20% 50V
R762	1-247-815-00	CARBON	220 5% 1/6W	C2537	1-123-332-00	ELECT	47MF 20% 25V
R763	1-249-437-11	CARBON	47K 5% 1/6W	C2538	1-123-369-00	ELECT	4.7MF 20% 50V
R764	1-249-397-11	CARBON	22 5% 1/6W	<u>CONNECTOR</u>			
R765	1-249-417-11	CARBON	1K 5% 1/6W	D21	*1-566-058-11	PIN, CONNECTOR 6P	
R766	1-249-435-11	CARBON	33K 5% 1/6W	D22	*1-508-767-00	5P PLUG	
R767	1-249-441-11	CARBON	100K 5% 1/6W	D23	*1-508-766-00	4P PLUG (M)	
R768	1-249-435-11	CARBON	33K 5% 1/6W	D24	*1-508-765-00	3P PLUG (M)	
R769	1-249-417-11	CARBON	1K 5% 1/6W	D25	*1-508-784-00	1P PLUG	
R770	1-249-389-11	CARBON	4.7 5% 1/6W	D26	*1-566-054-11	PIN, CONNECTOR 2P	
R771	1-249-389-11	CARBON	4.7 5% 1/6W	<u>DIODE</u>			
R772	1-247-801-00	CARBON	56 5% 1/6W	D2501	8-719-911-19	DIODE 1SS119	
<u>VARIABLE RESISTOR</u>				D2502	8-719-920-02	DIODE ERB12-02	
RV701	1-226-157-00	RES, ADJ, METAL GLAZE 1M		D2503	8-719-920-02	DIODE ERB12-02	
RV703	1-228-729-00	RES, ADJ, CERAMIC CARBON 220K		D2504	8-719-911-19	DIODE 1SS119	
RV705	1-228-727-00	RES, ADJ, CERAMIC CARBON 47K		D2505	8-719-911-19	DIODE 1SS119	
RV706	1-228-724-00	RES, ADJ, CERAMIC CARBON 10K		D2506	8-719-920-02	DIODE ERB12-02	
*****				D2507	8-719-110-51	DIODE RD20ES-B	
*A-1340-936-A D2 BOARD, COMPLETE				<u>COIL</u>			
*****				L2501	1-407-877-00	MICRO INDUCTOR 15MMH	
<u>CAPACITOR</u>				L2502	1-459-119-00	COIL, DUST CORE(ARC)	
C2501	1-108-618-91	MYLAR	0.0022MF 10% 100V	L2503	1-407-504-00	MICRO INDUCTOR 10MMH	
C2502	1-108-632-81	MYLAR	0.033MF 10% 100V	L2504	1-459-583-11	COIL (WITH CORE)	
C2503	1-108-620-91	MYLAR	0.0033MF 10% 100V	L2505	1-443-012-00	TRANSFORMER, DYNAMIC CONVERSION	
C2504	1-102-074-00	CERAMIC	0.001MF 10% 50V	L2506	1-459-123-00	COIL, DUST CORE(PAC)	
C2505	1-106-196-00	MYLAR	0.01MF 10% 100V	<u>TRANSISTOR</u>			
C2506	1-108-620-91	MYLAR	0.0033MF 10% 100V	Q2501	8-729-178-54	TRANSISTOR 2SC2785	
C2507	1-106-196-00	MYLAR	0.01MF 10% 100V	Q2502	8-729-178-54	TRANSISTOR 2SC2785	
C2508	1-123-351-00	ELECT	0.47MF 20% 50V	Q2503	8-729-178-54	TRANSISTOR 2SC2785	
C2509	1-123-356-00	ELECT	10MF 20% 50V	Q2504	8-729-178-54	TRANSISTOR 2SC2785	
C2510	1-123-356-00	ELECT	10MF 20% 50V	Q2505	8-729-178-54	TRANSISTOR 2SC2785	
C2511	1-123-359-00	ELECT	47MF 20% 50V	Q2506	8-729-122-02	TRANSISTOR 2SA1220A	
C2512	1-123-359-00	ELECT	47MF 20% 50V	Q2507	8-729-169-02	TRANSISTOR 2SC2690A	
C2513	1-123-357-00	ELECT	22MF 20% 50V	Q2510	8-729-195-82	TRANSISTOR 2SC2958	
C2514	1-123-361-00	ELECT	220MF 20% 50V	Q2511	8-729-101-54	TRANSISTOR 2SA1175TP-F	
C2515	1-123-333-00	ELECT	100MF 20% 25V	Q2512	8-729-122-02	TRANSISTOR 2SA1220A	
C2516	1-123-360-00	ELECT	100MF 20% 50V	Q2515	8-729-117-54	TRANSISTOR 2SA1175	
C2517	1-129-701-00	FILM	0.01MF 5% 100V	Q2516	8-729-178-54	TRANSISTOR 2SC2785	
C2518	1-102-231-11	CERAMIC	47PF 10% 500V	<u>RESISTOR</u>			
C2520	1-123-380-00	ELECT	1MF 20% 50V	R2501	1-249-435-11	CARBON	33K 5% 1/6W
C2521	1-108-849-00	MYLAR	0.1MF 10% 50V	R2502	1-249-429-11	CARBON	10K 5% 1/6W
C2522	1-123-332-00	ELECT	47MF 20% 25V	R2503	1-249-435-11	CARBON	33K 5% 1/6W
C2523	1-108-637-00	MYLAR	0.082MF 10% 100V	R2504	1-249-429-11	CARBON	10K 5% 1/6W
C2524	1-106-222-00	MYLAR	0.12MF 10% 100V				
C2525	1-123-351-00	ELECT	0.47MF 20% 50V				
C2526	1-108-634-81	MYLAR	0.047MF 10% 100V				

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R2505	1-249-420-11	CARBON	1.8K 5% 1/6W	R2566	1-247-815-00	CARBON	220 5% 1/6W
R2506	1-249-429-11	CARBON	10K 5% 1/6W	R2567	1-249-421-11	CARBON	2.2K 5% 1/6W
R2507	1-249-437-11	CARBON	47K 5% 1/6W	VARIABLE RESISTOR			
R2508	1-249-437-11	CARBON	47K 5% 1/6W	RV2501	1-228-727-00	RES, ADJ, CERAMIC CARBON	47K
R2509	1-247-833-00	CARBON	1.2K 5% 1/6W	RV2502	1-228-727-00	RES, ADJ, CERAMIC CARBON	47K
R2510	1-247-873-00	CARBON	56K 5% 1/6W	RV2503	1-228-727-00	RES, ADJ, CERAMIC CARBON	47K
R2511	1-247-875-00	CARBON	68K 5% 1/6W	RV2504	1-228-724-00	RES, ADJ, CERAMIC CARBON	10K
R2512	1-249-429-11	CARBON	10K 5% 1/6W	RV2505	1-228-724-00	RES, ADJ, CERAMIC CARBON	10K
R2513	1-249-417-11	CARBON	1K 5% 1/6W	TRANSFORMER			
R2514	1-246-449-75	CARBON	100 5% 1/4W	T2501	1-407-849-00	TRANSFORMER, D.F	
R2515	1-247-875-00	CARBON	68K 5% 1/6W	*****			
R2516	1-249-425-11	CARBON	4.7K 5% 1/6W	*A-1345-688-A D BOARD, COMPLETE			
R2517	1-247-875-00	CARBON	68K 5% 1/6W	*****			
R2518	1-247-875-00	CARBON	68K 5% 1/6W	CAPACITOR			
R2519	1-249-437-11	CARBON	47K 5% 1/6W	C501	1-123-380-00	ELECT	1MF 20% 50V
R2520	1-249-421-11	CARBON	2.2K 5% 1/6W	C502	1-108-622-91	MYLAR	0.0047MF 10% 100V
R2521	1-247-875-00	CARBON	68K 5% 1/6W	C503	1-108-622-91	MYLAR	0.0047MF 10% 100V
R2522	1-247-857-00	CARBON	12K 5% 1/6W	C504	1-123-323-00	ELECT	470MF 20% 16V
R2523	1-249-423-11	CARBON	3.3K 5% 1/6W	C505	1-123-379-00	ELECT	0.47MF 20% 50V
R2524	1-247-849-00	CARBON	5.6K 5% 1/6W	C506	1-123-318-00	ELECT	33MF 20% 16V
R2525	1-247-849-00	CARBON	5.6K 5% 1/6W	C507	1-123-379-00	ELECT	0.47MF 20% 50V
R2526	1-249-423-11	CARBON	3.3K 5% 1/6W	C508	1-136-173-00	FILM	0.47MF 5% 50V
R2527	1-249-433-11	CARBON	22K 5% 1/6W	C509	1-123-357-00	ELECT	22MF 20% 50V
R2528	1-249-425-11	CARBON	4.7K 5% 1/6W	C512	1-136-161-00	FILM	0.047MF 5% 50V
R2529	1-249-433-11	CARBON	22K 5% 1/6W	C514	1-124-609-11	ELECT	470MF 10% 50V
R2530	1-249-423-11	CARBON	3.3K 5% 1/6W	C515	1-124-625-11	ELECT	22MF 10% 50V
R2531	1-249-401-11	CARBON	47 5% 1/6W F	C516	1-123-336-00	ELECT	470MF 20% 25V
R2532	1-249-401-11	CARBON	47 5% 1/6W F	C520	1-102-244-00	CERAMIC	220PF 10% 500V
R2533	1-249-399-51	CARBON	33 5% 1/4W F	C521	1-123-364-51	ELECT	1000MF 20% 50V
R2534	1-249-429-11	CARBON	10K 5% 1/6W	C522	1-123-875-91	ELECT	10MF 20% 50V
R2540	1-249-434-11	CARBON	27K 5% 1/6W	C523	1-108-433-00	MYLAR	0.1MF 10% 200V
R2541	1-247-883-00	CARBON	150K 5% 1/6W	C524	1-108-428-00	MYLAR	0.039MF 10% 200V
R2542	1-216-426-11	METAL OXIDE	82 5% 1W F	C525	1-102-244-00	CERAMIC	220PF 10% 500V
R2543	1-216-421-11	METAL OXIDE	12 5% 1W F	C526	1-123-931-00	ELECT	3.3MF 20% 160V
R2544	1-215-884-51	METAL OXIDE	47 5% 2W F	C527	1-108-694-81	MYLAR	0.015MF 10% 200V
R2545	1-249-421-11	CARBON	2.2K 5% 1/6W	C528	1-162-318-11	CERAMIC	0.001MF 10% 500V
R2546	1-247-706-11	CARBON	330 5% 1/4W	C531	1-123-379-00	ELECT	0.47MF 20% 50V
R2547	1-249-435-11	CARBON	33K 5% 1/6W	C535	1-123-381-00	ELECT	2.2MF 20% 50V
R2548	1-247-875-00	CARBON	68K 5% 1/6W	C536	1-123-381-00	ELECT	2.2MF 20% 50V
R2549	1-247-895-00	CARBON	470K 5% 1/6W	C537	1-136-173-00	FILM	0.47MF 5% 50V
R2550	1-249-429-11	CARBON	10K 5% 1/6W	C538	1-123-333-00	ELECT	100MF 20% 25V
R2554	1-247-895-00	CARBON	470K 5% 1/6W	C539	1-123-380-00	ELECT	1MF 20% 50V
R2555	1-247-845-00	CARBON	3.9K 5% 1/6W	C540	1-123-369-00	ELECT	4.7MF 20% 25V
R2556	1-249-425-11	CARBON	4.7K 5% 1/6W	C541	1-123-369-00	ELECT	4.7MF 20% 25V
R2557	1-249-429-11	CARBON	10K 5% 1/6W	C542	1-123-381-00	ELECT	2.2MF 20% 50V
R2558	1-249-425-11	CARBON	4.7K 5% 1/6W	C543	1-123-330-00	ELECT	22MF 20% 16V
R2559	1-249-433-11	CARBON	22K 5% 1/6W	C544	1-123-369-00	ELECT	4.7MF 20% 50V
R2560	1-247-857-00	CARBON	12K 5% 1/6W	C545	1-123-330-00	ELECT	22MF 20% 25V
R2561	1-249-429-11	CARBON	10K 5% 1/6W	C546	1-123-381-00	ELECT	2.2MF 20% 50V
R2562	1-247-704-11	CARBON	220 5% 1/4W				
R2563	1-249-425-11	CARBON	4.7K 5% 1/6W				
R2564	1-249-437-11	CARBON	47K 5% 1/6W				
R2565	1-249-441-11	CARBON	100K 5% 1/6W				

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C547	1-123-333-00	ELECT	100MF 20%	25V	C1558	1-123-330-00	ELECT 22MF 20% 16V
C548	1-123-321-00	ELECT	220MF 20%	16V	C1559	1-123-351-00	ELECT 0.47MF 20% 50V
C551	1-123-357-00	ELECT	22MF 20%	50V	C1560	1-123-351-00	ELECT 0.47MF 20% 50V
C552	1-123-356-00	ELECT	10MF 20%	50V	C1565	1-106-220-00	MYLAR 0.1MF 10% 100V
C555	1-123-379-00	ELECT	0.47MF 20%	50V	C1566A	1-162-115-51	CERAMIC 330PF 10% 2KV
C556	1-136-173-00	FILM	0.47MF 5%	50V	C1567A	1-162-134-51	CERAMIC 470PF 10% 2KV
C557	1-123-608-00	ELECT	0.22MF 20%	50V	C1568A	1-130-706-11	FILM 0.008MF 3% 1.6KV
C1501	1-108-634-81	MYLAR	0.047MF 10%	100V	C1569A	1-129-747-11	FILM 0.047MF 10% 400V
C1502	1-106-220-00	MYLAR	0.1MF 10%	100V	C1570	1-129-751-00	FILM 0.1MF 20% 400V
C1503	1-106-200-00	MYLAR	0.015MF 10%	100V	C1571	1-102-030-00	CERAMIC 330PF 10% 500V
C1504	1-123-330-00	ELECT	22MF 20%	16V	C1572	1-123-321-00	ELECT 220MF 20% 16V
C1505	1-108-630-91	MYLAR	0.022MF 10%	100V	C1576	1-123-332-00	ELECT 47MF 20% 25V
C1506	1-123-381-00	ELECT	2.2MF 20%	50V	C1577	1-123-318-00	ELECT 33MF 20% 16V
C1507	1-123-332-00	ELECT	47MF 20%	25V	C1578	1-108-630-91	MYLAR 0.022MF 10% 100V
C1508	1-130-868-00	FILM	0.0056MF 5%	50V	C1579	1-106-220-00	MYLAR 0.1MF 10% 100V
C1509	1-123-369-00	ELECT	4.7MF 20%	25V	C1585	1-123-357-00	ELECT 22MF 20% 50V
C1510	1-102-820-00	CERAMIC	330PF 5%	50V	C1586	1-108-621-91	MYLAR 0.0039MF 10% 100V
C1511	1-123-321-00	ELECT	220MF 20%	16V	C1587	1-131-351-00	TANTALUM 4.7MF 10% 35V
C1512	1-123-379-00	ELECT	0.47MF 20%	50V	C1591	1-124-657-00	ELECT 10MF 20% 50V
C1513	1-108-634-81	MYLAR	0.047MF 10%	100V	C1592	1-106-367-00	MYLAR 0.01MF 10% 200V
C1520	1-102-125-00	CERAMIC	0.0047MF 10%	50V	<u>CONNECTOR</u>		
C1521	1-108-631-81	MYLAR	0.027MF 10%	100V	D1	*1-508-766-00	4P P.UG (M)
C1522	1-123-333-00	ELECT	100MF 20%	25V	D2	*1-566-054-11	PIN, CONNECTOR 2P
C1523	1-102-978-00	CERAMIC	220PF 5%	50V	D3	*1-566-054-11	PIN, CONNECTOR 2P
C1524	1-108-704-61	MYLAR	0.1MF 10%	200V	D4	*1-508-765-00	3P P.UG (M)
C1525	1-162-117-00	CERAMIC	100PF 10%	500V	D5	*1-506-348-XX	4P P.UG
C1526	1-102-157-00	CERAMIC	560PF 10%	500V	D6	*1-508-767-00	5P P.UG
C1527	1-102-038-00	CERAMIC	0.001MF 500V		D7	*1-566-056-11	PIN, CONNECTOR 4P
C1528	1-108-698-61	MYLAR	0.033MF 10%	200V	D8	*1-508-765-00	3P P.UG (M)
C1529	1-102-820-00	CERAMIC	330PF 5%	50V	D9	*1-508-765-00	3P P.UG (M)
C1530	1-123-361-00	ELECT	220MF 20%	50V	D10	*1-508-768-00	6P P.UG
C1531A	1-125-294-11	ELECT(BLOCK)	560MF 20%	160V	D11	*1-508-768-00	6P P.UG
C1532	1-124-006-11	ELECT	10MF 20%	25V	D12	*1-566-055-11	PIN, CONNECTOR 3P
C1533A	1-162-115-51	CERAMIC	330PF 10%	2KV	D15	*1-566-058-11	PIN, CONNECTOR 6P
C1534A	1-136-330-11	FILM	0.014MF 3%	1.6KV	<u>DIODE</u>		
C1535	1-129-953-00	FILM	0.068MF 20%	1.5KV	D501	8-719-815-55	DIODE 1S1555
C1536	1-123-333-00	ELECT	100MF 20%	16V	D502	8-719-920-02	DIODE ERB12-02
C1537	1-123-333-00	ELECT	100MF 20%	16V	D503	8-719-300-76	DIODE RH1A
C1539A	1-102-228-11	CERAMIC	470PF 10%	500V	D504	8-719-300-76	DIODE RH1A
C1540	1-162-115-00	CERAMIC	330PF 10%	2KV	D506	8-719-920-02	DIODE ERB12-02
C1541	1-108-630-91	MYLAR	0.022MF 10%	100V	D508	8-719-110-34	DIODE RD13ES-B
C1542	1-136-179-00	FILM	1.5MF 5%	200V	D510	8-719-109-88	DIODE RD5.6ES-B1
C1543	1-102-820-00	CERAMIC	330PF 5%	50V	D513	8-719-110-38	DIODE RD15ES-B
C1544	1-136-328-11	FILM	1MF 5%	400V	D515	8-719-000-12	DIODE MC931
C1549	1-102-129-00	CERAMIC	0.01MF 10%	50V	D516	8-719-000-12	DIODE MC931
C1550	1-102-973-00	CERAMIC	100PF 5%	50V	D517	8-719-110-60	DIODE RD24ES-B
C1551	1-102-030-00	CERAMIC	330PF 10%	500V	D520	8-719-190-00	DIODE RD24E-BZ7
C1552	1-106-196-00	MYLAR	0.01MF 10%	100V	D521	8-719-815-55	DIODE 1S1555
C1553	1-123-379-00	ELECT	0.47MF 20%	50V	D522	8-719-120-78	DIODE RD6.2ES-L3
C1554	1-106-196-00	MYLAR	0.01MF 10%	100V	D1502	8-719-815-55	DIODE 1S1555
C1555	1-102-110-00	CERAMIC	220PF 10%	50V	D1503	8-719-110-38	DIODE RD15ES-B
C1556	1-123-333-00	ELECT	100MF 20%	25V			
C1557	1-108-622-91	MYLAR	0.0047MF 10%	100V			

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
D1508	8-719-815-55	DIODE 1S1555		Q503	8-729-117-54	TRANSISTOR 2SA1175	
D1509	8-719-920-02	DIODE ERB12-02		Q505	8-729-117-54	TRANSISTOR 2SA1175	
D1510	8-719-300-74	DIODE RH-1		Q506	8-729-178-54	TRANSISTOR 2SC2785	
D1511	8-719-300-76	DIODE RH1A		Q507	8-729-178-54	TRANSISTOR 2SC2785	
D1512	8-719-300-76	DIODE RH1A		Q510	8-729-195-92	TRANSISTOR 2SC2959-L	
D1513	8-719-901-19	DIODE V11N		Q511	8-729-122-02	TRANSISTOR 2SA1220A-Q	
D1515	8-719-938-40	DIODE S1B01-02TP1		Q512	8-729-169-02	TRANSISTOR 2SC2690A-Q	
D1516	8-719-903-09	DIODE V30N		Q515	8-729-117-54	TRANSISTOR 2SA1175	
D1517A	8-719-906-15	DIODE ERC26-15S		Q516	8-729-177-43	TRANSISTOR 2SD774	
D1517B	8-719-906-15	DIODE ERC26-15S		Q518	8-729-178-54	TRANSISTOR 2SC2785	
D1518A	8-719-928-08	DIODE ERD28-08S		Q519	8-729-178-54	TRANSISTOR 2SC2785	
D1518B	8-719-928-08	DIODE ERD28-08S		Q520	8-729-178-54	TRANSISTOR 2SC2785	
D1525	8-719-815-55	DIODE 1S1555		Q522	8-729-117-54	TRANSISTOR 2SA1175	
D1527	8-719-300-76	DIODE RH1A		Q523	8-729-117-54	TRANSISTOR 2SA1175	
D1528	8-719-926-16	DIODE ERC26-15SA		Q1501	8-729-117-54	TRANSISTOR 2SA1175	
D1529	8-719-300-76	DIODE RH1A		Q1503	8-729-203-81	TRANSISTOR 2SC2238B	
D1530	8-719-300-76	DIODE RH1A		Q1504	8-729-301-74	TRANSISTOR 2SD1497-04	
D1531	8-719-300-38	DIODE GU-3A			4-374-410-01	SPACER, MICA; Q1504	
D1535	8-719-110-60	DIODE RD24ES-B			*4-374-413-01	RETAINER (A), TR; Q1504	
D1536	8-719-102-65	DIODE RD4.7E-N2		Q1505	8-729-177-43	TRANSISTOR 2SD774	
D1537	8-719-102-74	DIODE RD6.2E-N2		Q1506	8-729-374-02	TRANSISTOR 2SB740	
D1538	8-719-815-55	DIODE 1S1555		Q1507	8-726-400-02	THYRISTOR SG-264A	
D1540	8-719-102-71	DIODE RD5.6E-N2			3-703-320-00	BUSHING (A), TRANSISTOR; Q1507	
					4-303-844-00	SPACER, MICA (4) MD-17; Q1507	
					*4-309-762-00	RETAINER (MD-17), TRANSISTOR; Q1507	
<u>IC</u>							
IC501	8-759-178-12	IC UPC78L12		Q1508	8-729-301-74	TRANSISTOR 2SD1497-04	
IC503	8-759-178-12	IC UPC78L12			4-374-410-01	SPACER, MICA; Q1508	
IC504	8-759-700-08	IC NJM4558S			*4-374-413-01	RETAINER (A), TR; Q1508	
IC1501	8-759-100-60	IC UPC1377C		Q1511	8-729-374-02	TRANSISTOR 2SB740	
IC1502	8-759-700-08	IC NJM4558S		Q1512	8-729-117-54	TRANSISTOR 2SA1175	
IC1503	8-759-700-08	IC NJM4558S		Q1513	8-729-178-54	TRANSISTOR 2SC2785	
				Q1514	8-729-178-54	TRANSISTOR 2SC2785	
				Q1515	8-729-178-54	TRANSISTOR 2SC2785	
				Q1520	8-729-168-82	TRANSISTOR 2SC2688	
					4-377-115-01	SPACER, MICA; Q1520	
					*4-381-170-01	HOLDER, TR; Q1520	
<u>COIL</u>							
L1501	1-459-060-00	COIL, DYNAMIC CONVERSION CHOKE					
L1501	1-407-364-00	COIL, SPOOK CHOKE 3.3UH					
L1502	1-459-215-00	CORE COIL					
L1503	1-407-365-00	COIL, CHOKE					
L1504	1-407-365-00	COIL, CHOKE					
L1505	1-407-365-00	COIL, CHOKE					
L1506	1-459-104-00	COIL, DUST CORE					
L1507	1-407-365-00	COIL, CHOKE					
L1508	1-421-390-11	COIL, FERRITE (PMC)					
L1510	1-407-365-00	COIL, CHOKE					
L1511	1-407-365-00	COIL, CHOKE					
L1512	1-459-308-31	COIL, HORIZONTAL LINEARITY					
<u>NEON LAMP</u>							
N1501	1-519-237-11	LAMP, NEON					
<u>TRANSISTOR</u>							
Q501	8-729-178-54	TRANSISTOR 2SC2785		R501	1-247-895-00	CARBON 470K 5% 1/6W	
Q502	8-729-178-54	TRANSISTOR 2SC2785		R502	1-249-429-11	CARBON 10K 5% 1/6W	
				R503	1-249-425-11	CARBON 4.7K 5% 1/6W	
				R504	1-249-429-11	CARBON 10K 5% 1/6W	
				R505	1-249-421-11	CARBON 2.2K 5% 1/6W	
				R506	1-249-435-11	CARBON 33K 5% 1/6W	
				R507	1-247-845-00	CARBON 3.9K 5% 1/6W	
				R508	1-247-726-11	CARBON 33K 5% 1/4W	
				R509	1-247-853-00	CARBON 8.2K 5% 1/6W	
				R510	1-247-859-00	CARBON 15K 5% 1/6W	
				R511	1-249-432-11	CARBON 18K 5% 1/6W	
				R512	1-247-158-00	CARBON 13K 5% 1/4W	
				R513	1-247-857-00	CARBON 12K 5% 1/6W	
				R514	1-247-873-00	CARBON 56K 5% 1/6W	
				R515	1-249-468-11	CARBON 82K 5% 1/4W	

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	Quantity	Material	Remark	Ref.No.	Part No.	Description	Quantity	Material	Remark		
R516	1-247-713-11	CARBON	1K	5%	1/4W	R583	1-249-429-11	CARBON	10K	5%	1/6W		
R517	1-249-420-11	CARBON	1.8K	5%	1/6W	R584	1-247-873-00	CARBON	56K	5%	1/6W		
R518	1-247-721-11	CARBON	4.7K	5%	1/4W	R585	1-249-435-11	CARBON	33K	5%	1/6W		
R519	1-247-715-11	CARBON	1.5K	5%	1/4W	R586	1-247-720-11	CARBON	3.9K	5%	1/4W		
R520	1-249-429-11	CARBON	10K	5%	1/6W	R587	1-247-845-00	CARBON	3.9K	5%	1/6W		
R521	1-249-434-11	CARBON	27K	5%	1/6W	R588	1-249-441-11	CARBON	100K	5%	1/6W		
R522	1-247-873-00	CARBON	56K	5%	1/6W	R589	1-249-421-11	CARBON	2.2K	5%	1/6W		
R523	1-214-765-00	METAL	33K	1%	1/4W	R590	1-247-815-00	CARBON	220	5%	1/6W		
R525	1-216-353-00	METAL OXIDE	2.2	5%	1W	F	R591	1-247-815-00	CARBON	220	5%	1/6W	
R526	1-249-423-11	CARBON	3.3K	5%	1/6W	R593	1-206-753-61	METAL OXIDE	15K	5%	3W	F	
R527	1-249-420-11	CARBON	1.8K	5%	1/6W	R594	1-249-460-11	CARBON	15K	5%	1/4W		
R528	1-247-708-11	CARBON	470	5%	1/4W	R595	1-247-859-00	CARBON	15K	5%	1/6W		
R529	1-249-414-11	CARBON	560	5%	1/6W	R596	1-246-488-00	CARBON	4.3K	5%	1/4W		
R530	1-247-817-00	CARBON	270	5%	1/6W	R597	1-249-429-11	METAL			1/4W		
R536	1-249-393-51	CARBON	10	5%	1/4W	F	R598	1-214-749-00	METAL	6.8K	1%	1/4W	
R537	1-249-399-51	CARBON	33	5%	1/4W	F	R599	1-214-741-00	METAL	3.3K	1%	1/4W	
R538	1-215-869-11	METAL OXIDE	1K	5%	1W	F	R1501	1-247-819-00	CARBON	330	5%	1/6W	
R539	1-216-350-11	METAL OXIDE	1.2	5%	1W	F	R1502	1-249-422-11	CARBON	2.7K	5%	1/6W	
R540	1-249-405-51	CARBON	100	5%	1/4W	F	R1503	1-247-700-11	CARBON	100	5%	1/4W	
R541	1-216-350-11	METAL OXIDE	1.2	5%	1W	F	R1504	1-249-435-11	CARBON	33K	5%	1/6W	
R542	1-215-865-11	METAL OXIDE	220	5%	1W	F	R1505	1-249-441-11	CARBON	100K	5%	1/6W	
R543	1-249-382-51	CARBON	1.2	5%	1/4W	F	R1506	1-247-894-00	CARBON	430K	5%	1/6W	
R544	1-215-869-11	METAL OXIDE	1K	5%	1W	F	R1507	1-249-433-11	CARBON	22K	5%	1/6W	
R546	1-247-715-11	CARBON	1.5K	5%	1/4W		R1508	1-249-429-11	CARBON	10K	5%	1/6W	
R551	1-216-432-00	METAL OXIDE	820	5%	1W	F	R1509	1-249-405-11	CARBON	100	5%	1/6W	
R552	1-247-720-11	CARBON	3.9K	5%	1/4W		R1510	1-249-433-11	CARBON	22K	5%	1/6W	
R553	1-215-891-51	METAL OXIDE	680	5%	2W	F	R1511	1-247-881-00	CARBON	120K	5%	1/6W	
R554	1-247-721-11	CARBON	4.7K	5%	1/4W		R1512	1-249-440-11	CARBON	82K	5%	1/6W	
R557	1-247-725-11	CARBON	10K	5%	1/4W		R1513	1-249-423-11	CARBON	3.3K	5%	1/6W	
R558	1-247-723-11	CARBON	6.8K	5%	1/4W		R1514	1-247-868-00	CARBON	36K	5%	1/6W	
R560	1-247-713-11	CARBON	1K	5%	1/4W		R1516	1-247-857-00	CARBON	12K	5%	1/6W	
R561	1-247-708-11	CARBON	470	5%	1/4W		R1518	1-249-429-11	CARBON	10K	5%	1/6W	
R562	1-247-704-11	CARBON	220	5%	1/4W		R1519	1-249-469-11	CARBON	100K	5%	1/4W	
R563	1-247-704-11	CARBON	220	5%	1/4W		R1520	1-249-435-11	CARBON	33K	5%	1/6W	
R564	1-247-725-11	CARBON	10K	5%	1/4W		R1521	1-247-701-11	CARBON	120	5%	1/4W	
R565	1-249-429-11	CARBON	10K	5%	1/6W		R1522	1-247-700-11	CARBON	100	5%	1/4W	
R566	1-247-725-11	CARBON	10K	5%	1/4W		R1523	1-247-700-11	CARBON	100	5%	1/4W	
R567	1-249-429-11	CARBON	10K	5%	1/6W		R1525	1-247-723-11	CARBON	6.8K	5%	1/4W	
R568	1-247-725-11	CARBON	10K	5%	1/4W		R1526	1-246-543-00	CARBON	820K	5%	1/4W	
R569	1-249-469-11	CARBON	100K	5%	1/4W		R1527	1-246-545-00	CARBON	1M	5%	1/4W	
R570	1-247-725-11	CARBON	10K	5%	1/4W		R1529	1-215-918-00	METAL OXIDE	1.5K	5%	3W	F
R571	1-249-417-11	CARBON	1K	5%	1/6W		R1530	1-247-700-11	CARBON	100	5%	1/4W	
R572	1-247-725-11	CARBON	10K	5%	1/4W		R1531	1-247-713-11	CARBON	1K	5%	1/4W	F
R573	1-249-465-11	CARBON	47K	5%	1/4W		R1532	1-215-920-51	METAL OXIDE	3.3K	5%	3W	F
R574	1-247-885-00	CARBON	180K	5%	1/6W		R1533	1-247-721-11	CARBON	4.7K	5%	1/4W	
R575	1-249-433-11	CARBON	22K	5%	1/6W		R1534	1-216-482-11	METAL OXIDE	1.8K	5%	3W	F
R576	1-249-441-11	CARBON	100K	5%	1/6W		R1535	1-216-388-11	METAL OXIDE	0.82	5%	3W	F
R577	1-247-885-00	CARBON	180K	5%	1/6W		R1536	1-247-697-11	CARBON	56	5%	1/4W	
R578	1-249-441-11	CARBON	100K	5%	1/6W		R1537	1-249-389-51	CARBON	4.7	5%	1/4W	F
R579	1-247-845-00	CARBON	3.9K	5%	1/6W		R1538	1-249-389-51	CARBON	4.7	5%	1/4W	F
R580	1-249-423-11	CARBON	3.3K	5%	1/6W		R1539	1-216-434-51	METAL OXIDE	1.8K	5%	1W	F
R581	1-247-723-11	CARBON	6.8K	5%	1/4W		R1540	1-215-915-51	METAL OXIDE	470	5%	3W	F
R582	1-249-441-11	CARBON	100K	5%	1/6W		R1541	1-216-479-51	METAL OXIDE	560	5%	3W	F

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.

- The components identified by \boxtimes 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.

D H4 H6 H5 UA

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
R1542	1-215-880-00	METAL OXIDE	10 5% 2W F	RV505	1-228-728-00	RES, ADJ, CERAMIC CARBON	100K
R1543	1-215-871-11	METAL OXIDE	2.2K 5% 1W F	RV506	1-228-728-00	RES, ADJ, CERAMIC CARBON	100K
R1544	A 1-216-448-51	METAL OXIDE	39 5% 2W F	RV507	1-228-725-00	RES, ADJ, CERAMIC CARBON	22K
R1545	1-247-693-11	CARBON	27 5% 1/4W	RV508	1-228-724-00	RES, ADJ, CERAMIC CARBON	10K
R1546	A 1-216-373-91	METAL OXIDE	2.2 5% 2W F	RV1501	1-228-723-00	RES, ADJ, CERAMIC CARBON	4.7K
R1547	1-247-697-11	CARBON	56 5% 1/4W	RV1503	1-228-720-00	RES, ADJ, CERAMIC CARBON	1K
R1548	1-249-382-11	CARBON	1.2 5% 1/6W F	RV1505	1-228-720-00	RES, ADJ, CERAMIC CARBON	1K
R1549	1-249-448-11	CARBON	1.2 5% 1/4W F	RV1506	1-228-727-00	RES, ADJ, CERAMIC CARBON	47K
R1552	1-247-725-11	CARBON	10K 5% 1/4W	RV1510	1-228-720-00	RES, ADJ, CERAMIC CARBON	1K
R1553	1-249-425-11	CARBON	4.7K 5% 1/6W F	<u>SPARK GAP</u>			
R1554	1-247-817-00	CARBON	270 5% 1/6W	SG1501	1-519-063-XX	DISCHARGING GAP	
R1555	1-249-465-11	CARBON	47K 5% 1/4W	<u>TRANSFORMER</u>			
R1556	1-249-425-11	CARBON	4.7K 5% 1/6W	T1501	1-437-089-00	TRANSFORMER, HORIZONTAL DRIVE	
R1557	1-249-429-11	CARBON	10K 5% 1/6W	T1502	1-437-089-00	TRANSFORMER, HORIZONTAL DRIVE	
R1558	1-249-425-11	CARBON	4.7K 5% 1/6W	T1503	A 1-439-356-11	HOT	
R1559	1-249-417-11	CARBON	1K 5% 1/6W	T1513	A 1-421-388-11	LOT	
R1560	1-247-862-00	CARBON	20K 5% 1/6W	*****			
R1561	1-214-746-00	METAL	5.1K 1% 1/4W	*1-620-767-11	H4 BOARD	*****	
R1562	1-247-713-11	CARBON	1K 5% 1/4W	*1-566-063-11	PIN, CONNECTOR	11P	
R1563	1-247-718-11	CARBON	2.7K 5% 1/4W	*****			
R1564	1-249-405-11	CARBON	100 5% 1/6W F	*1-620-768-11	H6 BOARD	*****	
R1565	1-249-433-11	CARBON	22K 5% 1/6W	*1-566-054-11	PIN, CONNECTOR	2P	
R1566	1-247-875-00	CARBON	68K 5% 1/6W	*1-566-056-11	PIN, CONNECTOR	4P	
R1567	1-249-435-11	CARBON	33K 5% 1/6W	*1-566-059-11	PIN, CONNECTOR	7P	
R1568	1-247-713-11	CARBON	1K 5% 1/4W	*1-566-060-11	PIN, CONNECTOR	8P	
R1571	A 1-249-448-51	CARBON	1.2 5% 1/4W F	*1-566-062-11	PIN, CONNECTOR	10P	
R1572	A 1-249-448-51	CARBON	1.2 5% 1/4W F	*****			
R1573	A 1-249-382-51	CARBON	1.2 5% 1/4W F	*1-620-766-11	H5 BOARD	*****	
R1574	1-216-424-11	METAL OXIDE	39 5% 1W F	*1-566-054-11	PIN, CONNECTOR	2P	
R1575	1-249-382-11	CARBON	1.2 5% 1/6W F	*1-566-056-11	PIN, CONNECTOR	4P	
R1576	1-215-869-11	METAL OXIDE	1K 5% 1W F	*1-566-059-11	PIN, CONNECTOR	7P	
R1577	1-249-425-11	CARBON	4.7K 5% 1/6W	*1-566-060-11	PIN, CONNECTOR	8P	
R1578	1-202-723-00	SOLID	2.2M 10% 1/2W	*1-566-062-11	PIN, CONNECTOR	10P	
R1579	1-247-718-11	CARBON	2.7K 5% 1/4W	*****			
R1580	1-247-875-00	CARBON	68K 5% 1/6W	*1-620-766-11	H5 BOARD	*****	
R1581	1-249-441-11	CARBON	100K 5% 1/6W	*1-566-054-11	PIN, CONNECTOR	2P	
R1582	1-249-429-11	CARBON	10K 5% 1/6W	*1-566-056-11	PIN, CONNECTOR	4P	
R1583	1-247-851-00	CARBON	6.8K 5% 1/6W	<u>SWITCH</u>			
R1584	1-249-421-11	CARBON	2.2K 5% 1/6W	S981	1-570-145-11	SWITCH, SLIDE	
R1585	1-247-713-11	CARBON	1K 5% 1/4W	S982	1-570-145-11	SWITCH, SLIDE	
R1588	1-215-872-11	METAL OXIDE	3.3K 5% 1W F	*****			
R1589	1-247-726-11	CARBON	33K 5% 1/4W	*A-1373-057-A	UA BOARD, COMPLETE	*****	
R1590	1-247-726-11	CARBON	33K 5% 1/4W	1-537-043-11	TERMINAL BOARD, INPUT/OUTPUT		
R1592	1-214-779-00	METAL	120K 1% 1/4W	1-537-044-11	TERMINAL BOARD, INPUT/OUTPUT		
R1593	1-214-781-00	METAL	150K 1% 1/4W	*****			
R1594	1-247-722-11	CARBON	5.6K 5% 1/4W				
R1595	1-214-777-00	METAL	100K 1% 1/4W				
R1597	1-214-752-00	METAL	9.1K 1% 1/4W				
R1598	1-214-749-00	METAL	6.8K 1% 1/4W				
<u>VARIABLE RESISTOR</u>							
RV501	1-228-717-00	RES, ADJ, CERAMIC CARBON	220				
RV503	1-228-727-00	RES, ADJ, CERAMIC CARBON	47K				

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
<u>CAPACITOR</u>				D2311	8-719-110-03	DIODE RD7.5ES-B2	
C2201	1-123-821-00	ELECT	47MF 20% 16V	D2312	8-719-110-03	DIODE RD7.5ES-B2	
C2202	1-123-617-00	ELECT	10MF 20% 16V	D2313	8-719-100-68	DIODE RD13E-B2	
C2203	1-123-617-00	ELECT	10MF 20% 16V	<u>IC</u>			
C2204	1-123-821-00	ELECT	47MF 20% 16V	IC2201	8-759-800-65	IC LA7910	
C2205	1-123-617-00	ELECT	10MF 20% 16V	IC2202	8-759-140-66	IC UPD4066BC	
C2206	1-123-617-00	ELECT	10MF 20% 16V	IC2203	8-759-102-37	IC UPD4052BC	
C2207	1-123-821-00	ELECT	47MF 20% 16V	IC2204	8-759-140-53	IC UPD4053BC	
C2208	1-123-617-00	ELECT	10MF 20% 16V	IC2301	8-759-900-09	IC SN74LS09N	
C2209	1-123-821-00	ELECT	47MF 20% 16V	IC2302	8-759-900-11	IC SN74LS11N	
C2210	1-101-004-00	CERAMIC	0.01MF 50V	IC2303	8-759-900-09	IC SN74LS09N	
C2211	1-123-821-00	ELECT	47MF 20% 16V	IC2304	8-759-901-38	IC SN74LS138N	
C2212	1-123-622-00	ELECT	22MF 20% 16V	IC2305	8-759-901-36	IC SN74LS136N	
C2213	1-123-821-00	ELECT	47MF 20% 16V	<u>TRANSISTOR</u>			
C2214	1-101-004-00	CERAMIC	0.01MF 50V	Q2201	8-729-117-54	TRANSISTOR 2SA1175	
C2232	1-136-173-00	FILM	0.47MF 5% 50V	Q2202	8-729-117-54	TRANSISTOR 2SA1175	
C2234	1-123-617-00	ELECT	10MF 20% 16V	Q2203	8-729-117-54	TRANSISTOR 2SA1175	
C2301	1-123-617-00	ELECT	10MF 20% 16V	Q2204	8-729-178-54	TRANSISTOR 2SC2785	
C2302	1-123-816-00	ELECT	10MF 20% 50V	Q2205	8-729-178-54	TRANSISTOR 2SC2785	
C2303	1-123-816-00	ELECT	10MF 20% 50V	Q2206	8-729-117-54	TRANSISTOR 2SA1175	
C2304	1-123-816-00	ELECT	10MF 20% 50V	Q2207	8-729-178-54	TRANSISTOR 2SC2785	
C2305	1-101-006-00	CERAMIC	0.047MF 50V	Q2208	8-729-178-54	TRANSISTOR 2SC2785	
C2306	1-136-153-00	FILM	0.01MF 5% 50V	Q2209	8-729-178-54	TRANSISTOR 2SC2785	
C2307	1-123-620-00	ELECT	10MF 20% 25V	Q2210	8-729-178-54	TRANSISTOR 2SC2785	
C2308	1-123-821-00	ELECT	47MF 20% 16V	Q2211	8-729-178-54	TRANSISTOR 2SC2785	
C2309	1-123-816-00	ELECT	10MF 20% 50V	Q2303	8-729-178-54	TRANSISTOR 2SC2785	
C2310	1-123-616-00	ELECT	4.7MF 20% 25V	Q2304	8-729-178-54	TRANSISTOR 2SC2785	
C2311	1-101-006-00	CERAMIC	0.047MF 50V	Q2307	8-729-178-54	TRANSISTOR 2SC2785	
C2312	1-123-332-00	ELECT	47MF 20% 16V	Q2308	8-729-178-54	TRANSISTOR 2SC2785	
C2313	1-123-821-00	ELECT	47MF 20% 16V	Q2311	8-729-178-54	TRANSISTOR 2SC2785	
C2314	1-101-004-00	CERAMIC	0.01MF 50V	Q2312	8-729-178-54	TRANSISTOR 2SC2785	
C2315	1-102-820-00	CERAMIC	330PF 5% 50V	Q2313	8-729-178-54	TRANSISTOR 2SC2785	
C2316	1-101-004-00	CERAMIC	0.01MF 50V	Q2314	8-729-178-54	TRANSISTOR 2SC2785	
C2317	1-102-887-00	CERAMIC	47PF 5% 50V	Q2315	8-729-178-54	TRANSISTOR 2SC2785	
C2318	1-102-887-00	CERAMIC	47PF 5% 50V	Q2316	8-729-900-36	TRANSISTOR DTC124ES	
C2319	1-102-887-00	CERAMIC	47PF 5% 50V	Q2317	8-729-900-36	TRANSISTOR DTC124ES	
C2320	1-101-004-00	CERAMIC	0-01MF 50V	Q2318	8-729-117-54	TRANSISTOR 2SA1175	
C2321	1-101-004-00	CERAMIC	0-01MF 50V	Q2319	8-729-178-54	TRANSISTOR 2SC2785	
C3464	1-123-617-00	ELECT	10MF 20% 16V	Q2320	8-729-178-54	TRANSISTOR 2SC2785	
C3465	1-102-121-00	CERAMIC	0.0022MF 10% 50V	Q2321	8-729-178-54	TRANSISTOR 2SC2785	
C3466	1-102-121-00	CERAMIC	0.0022MF 10% 50V	Q2322	8-729-178-54	TRANSISTOR 2SC2785	
C3467	1-124-444-00	ELECT	220MF 20% 10V	Q2323	8-729-900-36	TRANSISTOR DTC124ES	
C3468	1-123-321-00	ELECT	220MF 20% 16V	Q2324	8-729-178-54	TRANSISTOR 2SC2785	
C3469	1-124-444-00	ELECT	220MF 20% 10V	Q2330	8-729-900-36	TRANSISTOR DTC124ES	
C3470	1-123-321-00	ELECT	220MF 20% 16V	Q2331	8-729-178-54	TRANSISTOR 2SC2785	
C3471	1-123-321-00	ELECT	220MF 20% 16V	Q2332	8-729-178-54	TRANSISTOR 2SC2785	
C3472	1-124-444-00	ELECT	220MF 20% 10V	<u>RESISTOR</u>			
C3473	1-119-353-00	ELECT	220MF 10V	R2201	1-249-429-11	CARBON 10K 5% 1/6W	
<u>DIODE</u>				R2202	1-249-429-11	CARBON 10K 5% 1/6W	
D2301	8-719-911-19	DIODE 1SS119		R2203	1-249-429-11	CARBON 10K 5% 1/6W	
D2305	8-719-911-19	DIODE 1SS119		R2204	1-249-421-11	CARBON 2.2K 5% 1/6W	
D2308	8-719-911-19	DIODE 1SS119		R2205	1-247-104-00	CARBON 75 5% 1/4W	
D2309	8-719-911-19	DIODE 1SS119					
D2310	8-719-110-03	DIODE RD7.5ES-B2					



Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
R2206	1-247-713-11	CARBON	1K 5% 1/4W	R2307	1-249-417-11	CARBON	1K 5% 1/6W
R2207	1-247-903-00	CARBON	1M 5% 1/6W	R2308	1-247-903-00	CARBON	1M 5% 1/6W
R2208	1-247-713-11	CARBON	1K 5% 1/4W	R2314	1-249-417-11	CARBON	1K 5% 1/6W
R2209	1-247-903-00	CARBON	1M 5% 1/6W	R2325	1-249-417-11	CARBON	1K 5% 1/6W
R2210	1-247-104-00	CARBON	75 5% 1/4W	R2327	1-249-417-11	CARBON	1K 5% 1/6W
R2211	1-247-713-11	CARBON	1K 5% 1/4W	R2337	1-249-417-11	CARBON	1K 5% 1/6W
R2212	1-247-903-00	CARBON	1M 5% 1/6W	R2340	1-247-845-00	CARBON	3.9K 5% 1/6W
R2213	1-247-713-11	CARBON	1K 5% 1/4W	R2344	1-249-417-11	CARBON	1K 5% 1/6W
R2214	1-247-903-00	CARBON	1M 5% 1/6W	R2345	1-247-725-11	CARBON	10K 5% 1/4W
R2215	1-247-104-00	CARBON	75 5% 1/4W	R2346	1-249-429-11	CARBON	10K 5% 1/6W
R2216	1-247-713-11	CARBON	1K 5% 1/4W	R2349	1-247-853-00	CARBON	8.2K 5% 1/6W
R2217	1-247-903-00	CARBON	1M 5% 1/6W	R2350	1-247-851-00	CARBON	6.8K 5% 1/6W
R2218	1-249-440-11	CARBON	82K 5% 1/6W	R2351	1-249-417-11	CARBON	1K 5% 1/6W
R2219	1-249-434-11	CARBON	27K 5% 1/6W	R2352	1-249-434-11	CARBON	27K 5% 1/6W
R2220	1-249-441-11	CARBON	100K 5% 1/6W	R2353	1-249-433-11	CARBON	22K 5% 1/6W
R2221	1-249-440-11	CARBON	82K 5% 1/6W	R2354	1-247-725-11	CARBON	10K 5% 1/4W
R2222	1-249-434-11	CARBON	27K 5% 1/6W	R2355	1-249-419-11	CARBON	1.5K 5% 1/6W
R2223	1-249-441-11	CARBON	100K 5% 1/6W	R2356	1-247-698-11	CARBON	68 5% 1/4W
R2224	1-249-440-11	CARBON	82K 5% 1/6W	R2357	1-247-717-11	CARBON	2.2K 5% 1/4W
R2225	1-249-434-11	CARBON	27K 5% 1/6W	R2358	1-247-878-00	CARBON	91K 5% 1/6W
R2226	1-249-441-11	CARBON	100K 5% 1/6W	R2359	1-249-434-11	CARBON	27K 5% 1/6W
R2227	1-247-717-11	CARBON	2.2K 5% 1/4W	R2360	1-247-853-00	CARBON	8.2K 5% 1/6W
R2228	1-247-895-00	CARBON	470K 5% 1/6W	R2361	1-249-421-11	CARBON	2.2K 5% 1/6W
R2229	1-249-417-11	CARBON	1K 5% 1/6W	R2362	1-249-429-11	CARBON	10K 5% 1/6W
R2230	1-249-441-11	CARBON	100K 5% 1/6W	R2363	1-249-405-11	CARBON	100 5% 1/6W
R2231	1-249-441-11	CARBON	100K 5% 1/6W	R2364	1-249-421-11	CARBON	2.2K 5% 1/6W
R2232	1-247-891-00	CARBON	330K 5% 1/6W	R2365	1-249-425-11	CARBON	4.7K 5% 1/6W
R2233	1-247-891-00	CARBON	330K 5% 1/6W	R2366	1-249-425-11	CARBON	4.7K 5% 1/6W
R2234	1-247-897-00	CARBON	560K 5% 1/6W	R2367	1-247-815-00	CARBON	220 5% 1/6W
R2235	1-247-891-00	CARBON	330K 5% 1/6W	R2368	1-249-425-11	CARBON	4.7K 5% 1/6W
R2236	1-247-891-00	CARBON	330K 5% 1/6W	R2369	1-249-433-11	CARBON	22K 5% 1/6W
R2237	1-247-891-00	CARBON	330K 5% 1/6W	R2370	1-249-437-11	CARBON	47K 5% 1/6W
R2238	1-247-891-00	CARBON	330K 5% 1/6W	R2371	1-249-429-11	CARBON	10K 5% 1/6W
R2239	1-249-440-11	CARBON	82K 5% 1/6W	R2372	1-249-422-11	CARBON	2.7K 5% 1/6W
R2240	1-249-429-11	CARBON	10K 5% 1/6W	R2373	1-247-853-00	CARBON	8.2K 5% 1/6W
R2241	1-249-429-11	CARBON	10K 5% 1/6W	R2374	1-249-423-11	CARBON	3.3K 5% 1/6W
R2246	1-249-417-11	CARBON	1K 5% 1/6W	R2375	1-249-421-11	CARBON	2.2K 5% 1/6W
R2247	1-247-819-00	CARBON	330 5% 1/6W	R2376	1-249-425-11	CARBON	4.7K 5% 1/6W
R2248	1-247-845-00	CARBON	3.9K 5% 1/6W	R2377	1-249-425-11	CARBON	4.7K 5% 1/6W
R2249	1-249-417-11	CARBON	1K 5% 1/6W	R2378	1-249-425-11	CARBON	4.7K 5% 1/6W
R2250	1-249-432-11	CARBON	18K 5% 1/6W	R2379	1-247-700-11	CARBON	100 5% 1/4W
R2251	1-247-845-00	CARBON	3.9K 5% 1/6W	R2380	1-249-425-11	CARBON	4.7K 5% 1/6W
R2252	1-249-429-11	CARBON	10K 5% 1/6W	R2381	1-249-425-11	CARBON	4.7K 5% 1/6W
R2253	1-249-423-11	CARBON	3.3K 5% 1/6W	R2382	1-249-421-11	CARBON	2.2K 5% 1/6W
R2270	1-249-417-11	CARBON	1K 5% 1/6W	R2383	1-249-421-11	CARBON	2.2K 5% 1/6W
R2271	1-249-417-11	CARBON	1K 5% 1/6W	R2384	1-249-421-11	CARBON	2.2K 5% 1/6W
R2272	1-249-417-11	CARBON	1K 5% 1/6W	R2385	1-249-421-11	CARBON	2.2K 5% 1/6W
R2273	1-249-435-11	CARBON	33K 5% 1/6W	R2386	1-249-417-11	CARBON	1K 5% 1/6W
R2274	1-249-435-11	CARBON	33K 5% 1/6W	R2387	1-249-417-11	CARBON	1K 5% 1/6W
R2275	1-249-420-11	CARBON	1.8K 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
R2306	1-247-704-11	CARBON	220 5% 1/4W	R2391	1-247-717-11	CARBON	2.2K 5% 1/4W

UA UB

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
<u>SWITCH</u>							
S2001	1-570-145-11	SWITCH, SLIDE		D3421	8-719-911-19	DIODE 1SS119	
S2002	1-570-145-11	SWITCH, SLIDE		D3422	8-719-911-19	DIODE 1SS119	
S2003	1-570-145-11	SWITCH, SLIDE		D3423 A	8-719-112-64	DIODE RD10ES-T1B2	
<u>CONNECTOR</u>							
UA1	*1-566-058-11	PIN, CONNECTOR 6P		D3424	8-719-110-36	DIODE RD13ES-B2	
UA2	*1-566-058-11	PIN, CONNECTOR 6P		D3425	8-719-911-19	DIODE 1SS119	
UA3	*1-566-056-11	PIN, CONNECTOR 4P		D3426	8-719-109-93	DIODE RD6.2ES-B2	
UA4	*1-564-441-11	PLUG, CONNECTOR (2.5MM) 5P		D3428	8-719-911-19	DIODE 1SS119	
UA5	*1-508-767-00	5P PLUG		D3433	8-719-110-15	DIODE RD10ES-B	
UA6	*1-564-441-11	PLUG, CONNECTOR (2.5MM) 5P		D3434	8-719-110-15	DIODE RD10ES-B	
UA8	*1-566-054-11	PIN, CONNECTOR 2P		D3435	8-719-110-15	DIODE RD10ES-B	
UA11	*1-566-055-11	PIN, CONNECTOR 3P		D3438	8-719-110-17	DIODE RD10ES-B2	
<u>*****</u>							
*A-1373-058-A	UB BOARD, COMPLETE *****						
<u>CAPACITOR</u>							
C3414	1-123-608-00	ELECT	0.22MF 20% 50V				
C3415	1-123-608-00	ELECT	0.22MF 20% 50V				
C3416	1-123-608-00	ELECT	0.22MF 20% 50V				
C3417	1-123-608-00	ELECT	0.22MF 20% 50V				
C3418	1-123-608-00	ELECT	0.22MF 20% 50V				
C3419	1-123-608-00	ELECT	0.22MF 20% 50V				
C3420	1-101-004-00	CERAMIC	0.01MF 50V				
C3421	1-123-617-00	ELECT	10MF 20% 16V				
C3422	1-123-617-00	ELECT	10MF 20% 16V				
C3423	1-101-004-00	CERAMIC	0.01MF 50V				
C3424	1-108-833-00	MYLAR	0.0047MF 10% 50V				
C3425	1-108-837-00	MYLAR	0.01MF 10% 50V				
C3426	1-108-845-00	MYLAR	0.047MF 10% 50V				
C3427	1-108-833-00	MYLAR	0.0047MF 10% 50V				
C3428	1-108-837-00	MYLAR	0.01MF 10% 50V				
C3429	1-108-845-00	MYLAR	0.047MF 10% 50V				
C3430	1-108-833-00	MYLAR	0.0047MF 10% 50V				
C3431	1-108-845-00	MYLAR	0.047MF 10% 50V				
C3433	1-108-837-00	MYLAR	0.01MF 10% 50V				
C3434	1-101-004-00	CERAMIC	0.01MF 50V				
C3435	1-123-821-00	ELECT	47MF 20% 16V				
C3436	1-123-620-00	ELECT	10MF 20% 25V				
C3437	1-101-004-00	CERAMIC	0.01MF 50V				
C3438	1-124-445-00	ELECT	100MF 20% 16V				
C3439	1-108-618-91	MYLAR	0.0022MF 10% 100V				
C3442	1-124-445-00	ELECT	100MF 20% 16V				
C3443	1-123-617-00	ELECT	10MF 20% 16V				
C3462	1-124-445-00	ELECT	100MF 20% 16V				
C3463	1-123-820-00	ELECT	33MF 20% 16V				
<u>DIODE</u>							
D3420	8-719-911-19	DIODE 1SS119		D3421	8-719-911-19	DIODE 1SS119	
				D3422	8-719-911-19	DIODE 1SS119	
				D3423 A	8-719-112-64	DIODE RD10ES-T1B2	
				D3424	8-719-110-36	DIODE RD13ES-B2	
				D3425	8-719-911-19	DIODE 1SS119	
				D3426	8-719-109-93	DIODE RD6.2ES-B2	
				D3428	8-719-911-19	DIODE 1SS119	
				D3433	8-719-110-15	DIODE RD10ES-B	
				D3434	8-719-110-15	DIODE RD10ES-B	
				D3435	8-719-110-15	DIODE RD10ES-B	
				D3438	8-719-110-17	DIODE RD10ES-B2	
				<u>IC</u>			
				IC3407	8-752-030-31	IC CXA1024S	
				<u>COIL</u>			
				L3401	1-408-424-00	MICRO INDUCTOR 180UH	
				<u>TRANSISTOR</u>			
				Q3429	8-729-900-36	TRANSISTOR DTC124ES	
				Q3431	8-729-178-54	TRANSISTOR 2SC2785	
				Q3432	8-729-178-54	TRANSISTOR 2SC2785	
				Q3433 A	8-729-101-37	TRANSISTOR 2SC2785TP-F	
				Q3440	8-729-178-54	TRANSISTOR 2SC2785	
				Q3450	8-729-178-54	TRANSISTOR 2SC2785	
				Q3451	8-729-117-54	TRANSISTOR 2SA1175	
				<u>RESISTOR</u>			
				R3351	1-247-717-11	CARBON 2.2K 5% 1/4W	
				R3352	1-249-429-11	CARBON 10K 5% 1/6W	
				R3353	1-249-429-11	CARBON 10K 5% 1/6W	
				R3354	1-249-405-11	CARBON 100 5% 1/6W	
				R3355	1-249-405-11	CARBON 100 5% 1/6W	
				R3356	1-249-405-11	CARBON 100 5% 1/6W	
				R3357	1-247-815-00	CARBON 220 5% 1/6W	
				R3358	1-249-429-11	CARBON 10K 5% 1/6W	
				R3359	1-249-429-11	CARBON 10K 5% 1/6W	
				R3360	1-249-462-11	CARBON 22K 5% 1/4W	
				R3361	1-247-725-11	CARBON 10K 5% 1/4W	
				R3363	1-247-704-11	CARBON 220 5% 1/4W	
				R3364	1-247-704-11	CARBON 220 5% 1/4W	
				R3365	1-247-704-11	CARBON 220 5% 1/4W	
				R3366	1-247-713-11	CARBON 1K 5% 1/4W	
				R3367	1-247-713-11	CARBON 1K 5% 1/4W	
				R3368	1-247-713-11	CARBON 1K 5% 1/4W	
				R3369	1-215-424-00	METAL 1.3K 1% 1/6W	
				R3370	1-247-823-00	CARBON 470 5% 1/6W	
				R3371	1-247-823-00	CARBON 470 5% 1/6W	
				R3372	1-247-717-11	CARBON 2.2K 5% 1/4W	
				R3373	1-249-421-11	CARBON 2.2K 5% 1/6W	
				R3374	1-247-903-00	CARBON 1M 5% 1/6W	
				R3375	1-249-421-11	CARBON 2.2K 5% 1/6W	

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UB H3

Ref.No.	Part No.	Description	Remark
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	1-247-823-00	CARBON 470 5% 1/6W	
R3380	1-247-869-00	CARBON 39K 5% 1/6W	
R3381	1-249-417-11	CARBON 1K 5% 1/6W	
R3382	1-249-434-11	CARBON 27K 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	1-247-873-00	CARBON 56K 5% 1/6W	
R3461	1-247-851-00	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	1-247-873-00	CARBON 56K 5% 1/6W	
R3498	1-247-887-00	CARBON 220K 5% 1/6W	
R3499	1-249-441-11	CARBON 100K 5% 1/6W	
<u>VARIABLE RESISTOR</u>			
RV3301	1-228-993-00	RES, ADJ, CARBON 4.7K	
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	
C981	1-108-487-00	MYLAR 0.022MF 5% 50V	
C990	1-123-617-00	ELECT 10MF 20% 16V	

Ref.No.	Part No.	Description	Remark
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>			
L990	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	1-247-813-00	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	1-247-851-00	CARBON 6.8K 5% 1/6W	
R984	1-249-417-11	CARBON 1K 5% 1/6W	
R985	1-247-833-00	CARBON 1.2K 5% 1/6W	
R986	1-249-420-11	CARBON 1.8K 5% 1/6W	
R987	1-249-397-51	CARBON 22 5% 1/4W F	
R991	1-249-417-11	CARBON 1K 5% 1/6W	
R992	1-249-434-11	CARBON 27K 5% 1/6W	
R993	1-249-435-11	CARBON 33K 5% 1/6W	
R994	1-247-873-00	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-1380-189-A K BOARD, COMPLETE *****				<u>IC</u>			
<u>CAPACITOR</u>				IC201 8-759-276-30 IC TA7630P			
C201	1-124-655-11	ELECT	0.47MF 20% 50V	IC204 A 8-759-111-88	IC UPC1188H		
C202	1-124-655-11	ELECT	0.47MF 20% 50V	IC205 A 8-759-111-88	IC UPC1188H		
C203	1-124-035-00	ELECT	47MF 20% 16V	<u>CONNECTOR</u>			
C204	1-124-035-00	ELECT	47MF 20% 16V	K1	*1-566-058-11	PIN, CONNECTOR 6P	
C205	1-108-850-11	MYLAR	0.12MF 10% 50V	K2	*1-508-767-00	5P PLUG	
C206	1-102-125-00	CERAMIC	0.0047MF 10% 50V	K3	*1-566-056-11	PIN, CONNECTOR 4P	
C207	1-102-125-00	CERAMIC	0.0047MF 10% 50V	K4	*1-566-054-11	PIN, CONNECTOR 2P	
C208	1-108-850-11	MYLAR	0.12MF 10% 50V	K5	*1-508-765-00	3P PLUG (M)	
C209	1-124-038-00	ELECT	1MF 20% 50V	<u>COIL</u>			
C210	1-124-045-91	ELECT	4.7MF 20% 50V	L201	1-408-424-00	MICRO INDUCTOR 180UH	
C211	1-124-045-91	ELECT	4.7MF 20% 50V	<u>TRANSISTOR</u>			
C212	1-124-045-91	ELECT	4.7MF 20% 50V	Q201	8-729-178-54	TRANSISTOR 2SC2785	
C213	1-124-041-91	ELECT	220MF 20% 16V	Q204	8-729-178-54	TRANSISTOR 2SC2785	
C218	1-123-985-81	ELECT	1000MF 20% 16V	Q205	8-729-178-54	TRANSISTOR 2SC2785	
C219	1-123-973-00	ELECT	100MF 20% 16V	Q206	8-729-117-54	TRANSISTOR 2SA1175	
C220	1-124-042-91	ELECT	0.47MF 20% 50V	Q209	8-729-117-54	TRANSISTOR 2SA1175	
C221	1-124-042-91	ELECT	0.47MF 20% 50V	Q211	8-729-177-43	TRANSISTOR 2SD774	
C222	1-162-283-31	CERAMIC	120PF 10% 50V	<u>RESISTOR</u>			
C223	1-162-283-31	CERAMIC	120PF 10% 50V	R201	1-249-441-11	CARBON 100K 5% 1/6W	
C224	1-124-034-91	ELECT	33MF 20% 16V	R202	1-249-441-11	CARBON 100K 5% 1/6W	
C225 A	1-124-474-91	ELECT	47MF 20% 16V	R203	1-249-419-11	CARBON 1.5K 5% 1/6W	
C227	1-108-849-00	MYLAR	0.1MF 10% 50V	R204	1-249-429-11	CARBON 10K 5% 1/6W	
C228	1-124-042-91	ELECT	0.47MF 20% 50V	R205	1-249-429-11	CARBON 10K 5% 1/6W	
C229	1-124-042-91	ELECT	0.47MF 20% 50V	R206	1-249-429-11	CARBON 10K 5% 1/6W	
C230	1-162-283-31	CERAMIC	120PF 10% 50V	R207	1-249-419-11	CARBON 1.5K 5% 1/6W	
C231	1-162-283-31	CERAMIC	120PF 10% 50V	R208	1-249-419-11	CARBON 1.5K 5% 1/6W	
C232	1-124-034-91	ELECT	33MF 20% 16V	R211	1-249-415-11	CARBON 680 5% 1/6W	
C233	1-123-332-00	ELECT	47MF 20% 16V	R221 A	1-249-403-51	CARBON 68 5% 1/4W	F
C235	1-108-849-00	MYLAR	0.1MF 10% 50V	R222	1-249-429-11	CARBON 10K 5% 1/6W	
C236	1-124-471-00	ELECT	1000MF 20% 6.3V	R223	1-249-433-11	CARBON 10K 5% 1/6W	
C237	1-102-074-00	CERAMIC	0.001MF 10% 50V	R224	1-249-437-11	CARBON 47K 5% 1/6W	
C238	1-102-074-00	CERAMIC	0.001MF 10% 50V	R225	1-247-815-00	CARBON 220 5% 1/6W	
C239	1-101-006-00	CERAMIC	0.047MF 50V	R227	1-247-857-00	CARBON 12K 5% 1/6W	
C240	1-101-006-00	CERAMIC	0.047MF 50V	R228	1-249-390-11	CARBON 5.6 5% 1/6W	
C241	1-101-006-00	CERAMIC	0.047MF 50V	R229	1-247-857-00	CARBON 12K 5% 1/6W	
C242	1-125-296-00	ELECT(BLOCK)	4700MF 35V	R230	1-249-433-11	CARBON 10K 5% 1/6W	
C243	1-125-296-00	ELECT(BLOCK)	4700MF 35V	R231	1-247-873-00	CARBON 56K 5% 1/6W	
C246	1-123-356-00	ELECT	10MF 20% 16V	R232	1-247-815-00	CARBON 220 5% 1/6W	
C247	1-102-125-00	CERAMIC	0.0047MF 10% 50V	R234	1-247-857-00	CARBON 12K 5% 1/6W	
C248	1-102-125-00	CERAMIC	0.0047MF 10% 50V	R235 A	1-249-390-51	CARBON 5.6 5% 1/4W	F
C251	1-123-356-00	ELECT	10MF 20% 16V	R236	1-249-429-11	CARBON 10K 5% 1/6W	
C252	1-123-356-00	ELECT	10MF 20% 50V	R237	1-249-429-11	CARBON 10K 5% 1/6W	
<u>DIODE</u>				R238	1-249-423-11	CARBON 3.3K 5% 1/6W	
D201 A	8-719-111-99	DIODE RD6.2ES-T1B2		R239	1-249-437-11	CARBON 47K 5% 1/6W	
D202	8-719-911-19	DIODE 1SS119		R240	1-247-857-00	CARBON 12K 5% 1/6W	
D203	8-719-110-36	DIODE RD13ES-B2		R241	1-249-441-11	CARBON 100K 5% 1/6W	
D204 A	8-719-112-90	DIODE RD13ES-T1B2					

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K H2 H1

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
R242	1-249-429-11	CARBON 10K 5% 1/6W		R907	1-247-700-11	CARBON 100 5% 1/4W	
R243	1-249-425-11	CARBON 4.7K 5% 1/6W		R908	1-247-700-11	CARBON 100 5% 1/4W	
R244	1-249-417-11	CARBON 1K 5% 1/6W		R909	1-247-700-11	CARBON 100 5% 1/4W	
R245	1-249-417-11	CARBON 1K 5% 1/6W		R910	1-247-700-11	CARBON 100 5% 1/4W	
R246	1-249-417-11	CARBON 1K 5% 1/6W		R911	1-247-700-11	CARBON 100 5% 1/4W	
R252	1-249-419-11	CARBON 1.5K 5% 1/6W		R912	1-247-700-11	CARBON 100 5% 1/4W	
R257	1-249-423-11	CARBON 3.3K 5% 1/6W		R913	1-247-700-11	CARBON 100 5% 1/4W	
*****				R914	1-247-700-11	CARBON 100 5% 1/4W	
*9-990-890-01 H2 BOARD (KEY BOARD UNIT A)				R915	1-247-700-11	CARBON 100 5% 1/4W	
*****				R916	1-247-700-11	CARBON 100 5% 1/4W	
<u>DIODE</u>				R917	1-247-700-11	CARBON 100 5% 1/4W	
D901	8-719-911-19	DIODE 1SS119		R918	1-247-700-11	CARBON 100 5% 1/4W	
D902	8-719-911-19	DIODE 1SS119		R919	1-247-700-11	CARBON 100 5% 1/4W	
D903	8-719-911-19	DIODE 1SS119		R920	1-247-700-11	CARBON 100 5% 1/4W	
D904	8-719-911-19	DIODE 1SS119		R921	1-247-700-11	CARBON 100 5% 1/4W	
D905	8-719-911-19	DIODE 1SS119		R922	1-247-700-11	CARBON 100 5% 1/4W	
D906	8-719-911-19	DIODE 1SS119		R923	1-247-700-11	CARBON 100 5% 1/4W	
D907	8-719-911-19	DIODE 1SS119		<u>SWITCH</u>			
D908	8-719-911-19	DIODE 1SS119		S901	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)	
D909	9-990-893-01	LED TLY263P		S902	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)	
D910	9-990-893-01	LED TLY263P		S903	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)	
D911	9-990-893-01	LED TLY263P		S904	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)	
D912	9-990-893-01	LED TLY263P		S905	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)	
D913	9-990-893-01	LED TLY263P		S906	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)	
D914	9-990-893-01	LED TLY263P		S907	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)	
D915	9-990-893-01	LED TLY263P		S908	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)	
D916	9-990-893-01	LED TLY263P		S909	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)	
D917	9-990-893-01	LED TLY263P		S910	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)	
D918	9-990-893-01	LED TLY263P		S911	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)	
D919	9-990-893-01	LED TLY263P		S912	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)	
D920	9-990-893-01	LED TLY263P		S913	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)	
D921	9-990-893-01	LED TLY263P		S914	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)	
D922	9-990-893-01	LED TLY263P		S915	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)	
D923	9-990-893-01	LED TLY263P		*****			
D924	9-990-893-01	LED TLY263P		*9-990-897-01 H1 BOARD (KEY BOARD UNIT B)			
D925	9-990-893-01	LED TLY263P		*****			
D926	9-990-893-01	LED TLY263P		<u>DIODE</u>			
D927	9-990-893-01	LED TLY263P		D935	8-719-911-19	DIODE 1SS119	
D928	9-990-893-01	LED TLY263P		D936	8-719-911-19	DIODE 1SS119	
D929	9-990-893-01	LED TLY263P		D937	8-719-911-19	DIODE 1SS119	
D930	9-990-893-01	LED TLY263P		D938	8-719-911-19	DIODE 1SS119	
D931	9-990-893-01	LED TLY263P		D939	8-719-911-19	DIODE 1SS119	
<u>RESISTOR</u>				D940	8-719-911-19	DIODE 1SS119	
R901	1-247-700-11	CARBON 100 5% 1/4W		D941	8-719-911-19	DIODE 1SS119	
R902	1-247-700-11	CARBON 100 5% 1/4W		D944	9-990-901-01	LED TLY263P	
R903	1-247-700-11	CARBON 100 5% 1/4W		D946	9-990-901-01	LED TLY263P	
R904	1-247-700-11	CARBON 100 5% 1/4W		D948	9-990-893-01	LED TLY263P	
R905	1-247-700-11	CARBON 100 5% 1/4W		D949	9-990-893-01	LED TLY263P	
R906	1-247-700-11	CARBON 100 5% 1/4W		D950	9-990-893-01	LED TLY263P	
				D951	9-990-893-01	LED TLY263P	



Ref.No.	Part No.	Description	Remark
D952	9-990-893-01	LED TLY263P	
D953	9-990-893-01	LED TLY263P	
D954	9-990-893-01	LED TLY263P	
D955	9-990-893-01	LED TLY263P	
D956	9-990-893-01	LED TLY263P	
D957	9-990-893-01	LED TLY263P	
D958	9-990-893-01	LED TLY263P	
D959	9-990-893-01	LED TLY263P	
D960	9-990-893-01	LED TLY263P	
D961	9-990-893-01	LED TLY263P	

RESISTOR

R935	1-247-703-11	CARBON	180	5%	1/4W
R937	1-247-133-00	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

SWITCH

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)

IC935 8-741-138-70 IC BX1387 (DETECTOR)

MISCELLANEOUS

▲ 1-230-712-21 RESISTOR ASSY, HIGH-VOLTAGE
▲ 1-426-296-11 COIL, DEMAGNETIZATION
▲ 1-451-255-22 DEFLECTION YOKE (SY-164)
1-452-032-00 MAGNET, DISK; 10MM φ

Ref.No.	Part No.	Description	Remark
	1-452-094-00	MEGNAT, ROTATABLE DISK; 15MM φ	
	1-452-146-21	MAGNET, BMC	
	▲ 1-452-351-22	NECK ASSY, CRT (NA302)	
	1-464-747-11	KEY BOARD UNIT (A)	
	1-464-748-11	KEY BOARD UNIT (B)	
	▲ 1-526-920-12	AC OUTLET (WITH EARTH)	
	▲ 1-557-970-11	CORD, POWER	
R1901	▲ 1-205-904-11	RES, CEMENT WIREWOUND 1 5% 30W	
S1901	▲ 1-554-966-12	SWITCH, PUSH (AC POWER)(1 KEY)	
S1902	▲ 1-570-757-11	SWITCH, PUSH (DEGAUSS SWITCH)	
T604	▲ 1-439-339-12	TRANSFORMER ASSY, FL YBACK	
V901	▲ 8-736-652-05	CRT (A64JKJ10X)	

ACCESSORIES AND PACKING MATERIALS

Part No.	Description	Remark
A-1470-783-A	COMMANDER ASSY (RM-739)	
1-566-316-11	CONNECTOR, CONVERSION	
*3-548-372-00	BAG, POLYETHYLENE	
*4-371-190-01	INDIVIDUAL CARTON (FOR LIGHT GRAY)	
*4-371-191-01	INDIVIDUAL CARTON (FOR DARK GRAY)	
*4-371-192-01	CUSHION (FRONT)	
*4-380-432-01	BAG, PROTECTION	
*4-382-051-01	CUSHION (LOWER) (ASSY)	
*4-382-053-01	CUSHION (UPPER) (ASSY)	
4-482-344-21	MANUAL, INSTRUCTION	
4-491-213-22	INSTRUCTION	

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.

MEMO

SONY® SERVICE MANUAL

*US Model
Canadian Model*

Chassis No. SCC-A58A-A

Serial No. 5,002,401 and later

Serial No. 5,000,601 and later

No. 1

SUPPLEMENT

SUBJECT : CIRCUIT MODIFICATION

DARK GRAY Serial No. 5,002,401 and later.

LIGHT GRAY Serial No. 5,000,601 and later.

INTRODUCTIONS

1. B, board have been added.
2. D, UB, H₃ and K board have been modified.



US Model
Canadian Model

Check for 202, 402 &
Serial No. 2,002,401 and later
Serial No. 2,002,801 and later
No. 1

SONY
SERVICE MANUAL

SUPPLEMENT

SUBJECT: CIRCUIT MODIFICATION

DARK GRAY Serial No. 2,002,401 and later
LIGHT GRAY Serial No. 2,002,801 and later

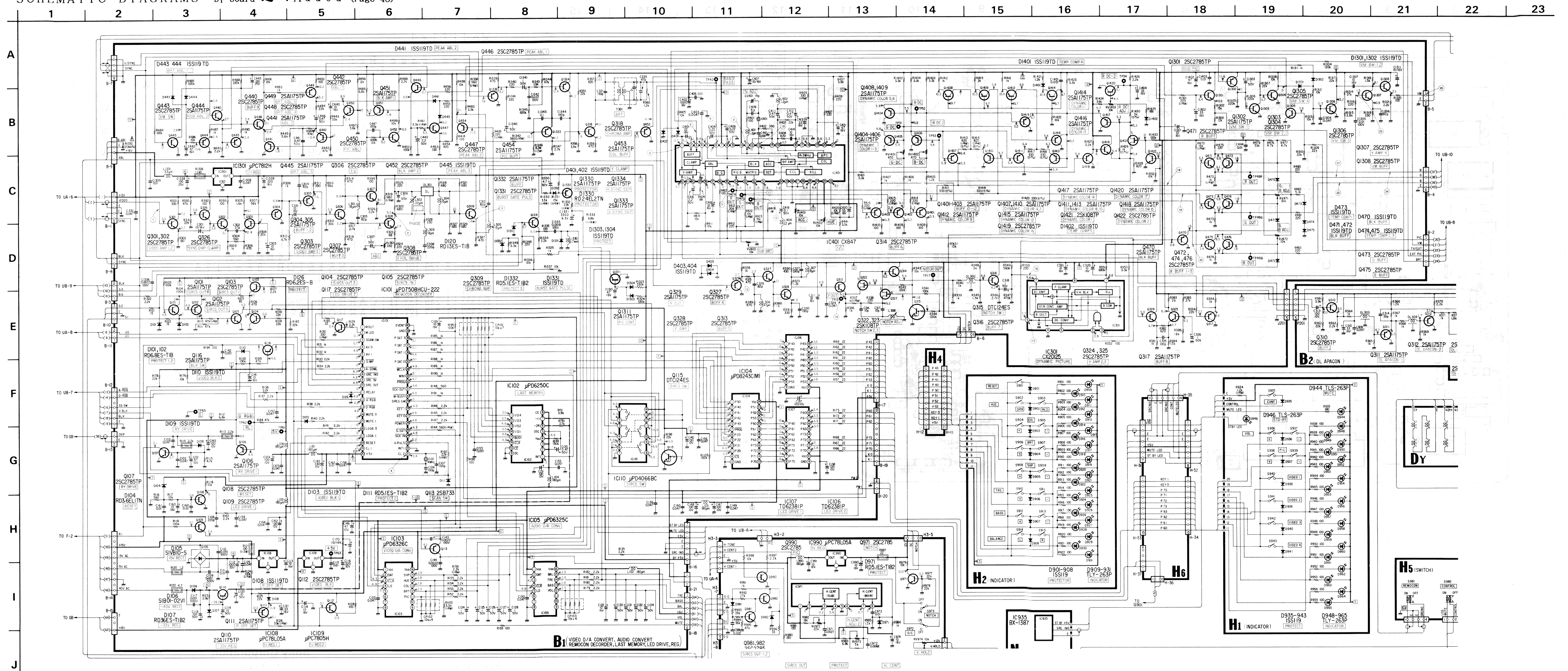
INTRODUCTIONS

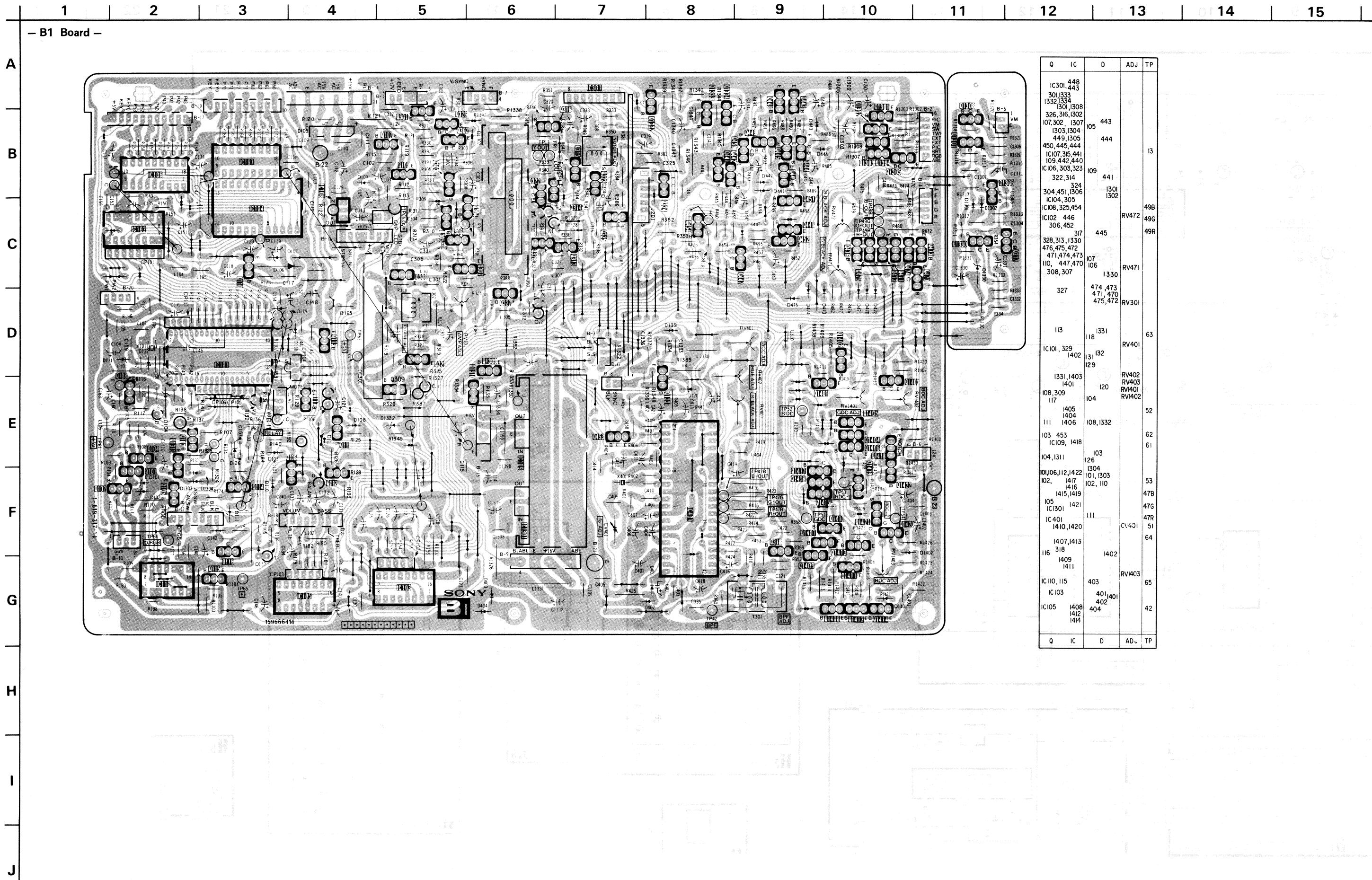
1. B board have been added.
2. D, GR, H and K board have been modified.

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SCHEMATIC DIAGRAMS B₁ board : Added (Page 43)





Q	IC	D	ADJ	TP	
	IC301, 448				
	301, 333				
	1332, 1334				
	1501, 1508				
	326, 316, 1302				
	107, 302, 1307	105	443		
	1303, 1304		444		
	443, 1305				
	450, 445, 444				
	IC107, 315, 441				
	109, 442, 440				
	IC106, 303, 323	109	441		
	322, 314		324		
	304, 451, 1306		1301		
	IC104, 305		1302		
	IC108, 325, 454				
	IC102, 446				
	306, 452				
		317			
	328, 313, 1330				
	476, 475, 472				
	471, 474, 473	107			
	110, 447, 470	106			
	308, 307		1330		
			474, 473		
	327		471, 470		
			475, 472		
	113	118	1331		
	IC101, 329	131	132		
		129			
	1331, 1403				
	1401				
	108, 309	120			
	117	104			
	1405				
	1404				
	111, 1406	108, 1332			
	103, 453				
	IC109, 1418				
	104, 1311	126			
	101, 1303	1304			
	102, 1417	102, 110			
	1416				
	105, 1419				
	IC1301, 1421				
	IC401	111			
	1410, 1420				
	1407, 1413				
	116, 318	1402			
	1409				
	1411				
	IC110, 115	403			
	IC103	401, 401			
		402			
	IC105	1408			
		1412			
		1414			
	Q	IC	D	ADJ	TP

SCHEMATIC DIAGRAMS

: Modified

Board	Page	Ref	Description
D	45	R1543	METAL OXIDE 2.2 K 1W→330 1W
H3	43	R993	CARBON 39K 1/4W→27K 1/4W
K	36	R223	CARBON 10K 1/4W→22K 1/4W
		R230	CARBON 10K 1/6W→22K 1/4W

ELECTRICAL PARTS LIST

B BOARD

C1330	1-123-369-00	ELECT 4.7 MF 20% 50V
C1331	1-124-621-91	ELECT 3300MF 20% 6.3V
D1330	8-719-155-03	DIODE RD24EL2TN
Q1330	8-729-101-54	TRANSISTOR 2SA1175
R1330	1-249-435-11	CARBON 33K 5% 1/4W
R1331	1-249-431-11	CARBON 15K 5% 1/4W
R1332	1-249-433-11	CARBON 22K 5% 1/4W
R1333	1-249-427-11	CARBON 6.8 K 5% 1/4W

D BOARD

R1534	1-215-866-51	METAL OXIDE 330 5% 1W
-------	--------------	-----------------------

UB BOARD

R3381	1-249-434-11	CARBON 27K 5% 1/6W
R3382	1-249-417-11	CARBON 1K 5% 1/6W

H3 BOARD

R993	1-249-434-11	CARBON 27K 5% 1/4W
------	--------------	--------------------

K BOARD

R223	1-249-433-11	CARBON 22K 5% 1/4W
R230	1-249-433-11	CARBON 22K 5% 1/4W

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PVM-2530

RM-739

SONY[®]

SERVICE MANUAL

US Model
Canadian Model

Serial No. 2,005,001 and later
Chassis No. SCC-A58A-A

SUPPLEMENT

No.2

File this supplement with the service manual.

Note: This service manual is to be used with the PVM-2530 with S Video terminal.

SPECIFICATIONS

Color system	NTSC system	Inputs	
Picture tube	Trinitron tube	VIDEO IN:	LINE A/B: BNC connector composite video, 1 Vp-p \pm 6 dB, sync negative, 75-ohms termination switchable
	Approx. 63.5 cm picture measured diagonally, 100-degree deflection, AG Pitch 0.73 mm	VTR:	8-pin connector, composite video, 1 Vp-p \pm 6 dB, sync negative, 75-ohms terminated
Resolution	VTR inputs: 560 TV lines RGB inputs: 640 \times 200 dots (2 000 characters)	S VIDEO:	4-pin, mini-DIN Y (luminance signal); 1 Vp-p, 75-ohms, unbalanced, sync negative C (chrominance signal); 0.286 Vp-p (burst signal), 75-ohms
Color temperature	9300°K (When the NEW DYNAMIC COLOR select switch is set to OFF.)	AUDIO IN:	LINE A/B: Phono jack, -5 dBs, high impedance VTR: 8-pin connector, -5 dBs, high impedance AUDIO (for S video): Phono jack, -5 dBs, high impedance
Frequency response	10 MHz (-3 to +4 dB, RGB) 6 MHz (-3 dB, composite video)	CMPTR	25-pin connector (See "Pin assignment")
Horizontal linearity	Less than \pm 5%	Outputs	
Vertical linearity	Less than \pm 5%	VIDEO OUT:	LINE A/B: BNC connector
Line pull range	Horizontal: \pm 500 Hz Vertical: -8 Hz	AUDIO OUT:	LINE A/B: Phono jack
Overscan of the picture	Less than +7%	SPEAKER:	8 ohms (15 W + 15 W)
Input return loss	More than 35 dB up to 4 MHz	Power requirements	120 V AC, 50/60 Hz
Zooming	Within 5%	Power consumption	180 W max
Convergence	Central area: within 1,0 mm Periphery: within 1,8 mm	Dimensions	Approx. 653 \times 508 \times 491 mm (w/h/d) (25 ³ / ₄ \times 20 \times 19 ³ / ₈ inches) Approx. 53 kg (116 lb 14 oz)

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Supplied accessories

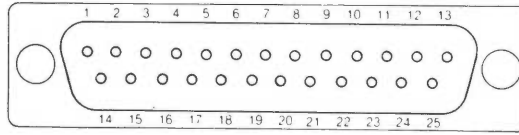
Remote commander RM-739, with 2 batteries (IEC designation R6)	1
BNC-Phono adaptor plug	4

Optional accessories

SU-539	TV stand
SU-541	TV stand
SS-X6A	speaker system
APM-X5A	speaker system



CMPTP 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)

* Examples for microcomputer connections

Pin No.	1	9	25
Microcomputer	—	High state	—
Analog signal	—	High state	—
IBM computer	High state	Low state	IBM luminance signal
TTL 3BIT computer	Low state	Low state	Low state

While the information given is true at the time of printing, small production changes in the course of our company's policy of improvement through research and design might not necessarily be indicated in the specifications. We would ask you to check with your appointed Sony dealer if clarification on any point is required.

Design and specifications subject to change without notice.


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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'ÉVITER TOUT RISQUE D'ÉLECTROCUTION PROVENANT D'UN CHÂSSIS SOUS TENSION, UN TRANSFORMATEUR D'ISOLEMENT DOIT ÊTRE 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 PIÈCES SONT D'UNE IMPORTANCE CRITIQUE POUR LA SÉCURITÉ DU FONCTIONNEMENT. NE LES REMPLACER QUE PAR DES COMPOSANTS SONY DONT LE NUMÉRO DE PIÈCE EST INDIQUÉ DANS LE PRÉSENT MANUEL OU DANS DES SUPPLÉMENTS PUBLIÉS PAR SONY. LES RÉGLAGES DE CIRCUIT DONT L'IMPORTANCE EST CRITIQUE POUR LA SÉCURITÉ DU FONCTIONNEMENT SONT IDENTIFIÉS DANS LE PRÉSENT MANUEL. SUIVRE CES PROCÉDURES LORS DE CHAQUE REMPLACEMENT DE COMPOSANTS CRITIQUES, OU LORSQU'UN MAUVAIS FONCTIONNEMENT EST SUSPECTÉ.

SAFETY CHECK-OUT (US Model only)

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

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

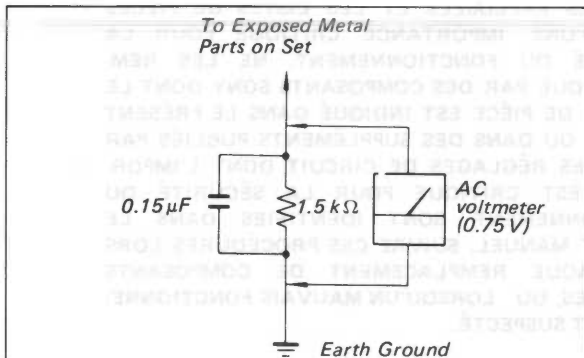


Fig. A. Using an AC voltmeter to check AC leakage.

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 watt 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)

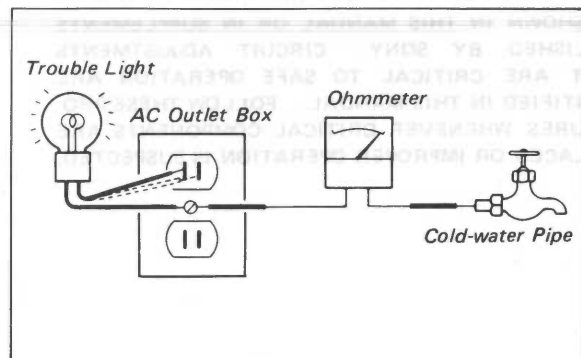
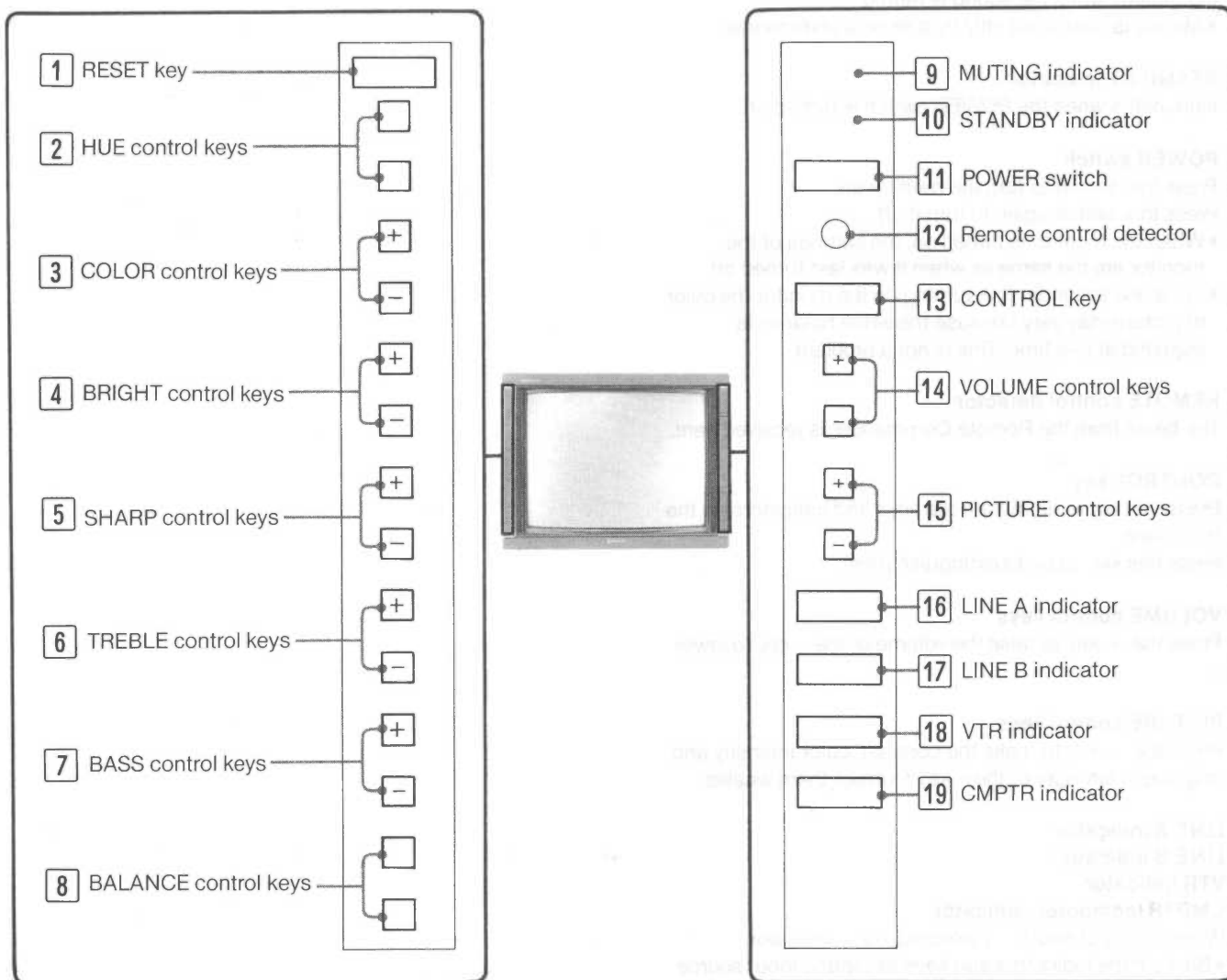


Fig. B. Checking for earth ground.

SECTION 1 GENERAL

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.

1 RESET key

Press this key to return to the standard setting.
• This key is effective only for the control keys on the left.

2 HUE control keys

Press the GRN (green) key to make the skin tones greenish or the PUR (purple) key to make it purplish.

3 COLOR control keys

Press the + key to make the color intensity vivid or the – key to make it pale.

4 BRIGHT (brightness) control keys

Press the + key to make the picture brighter or the – key to make it darker.

5 SHARP (sharpness) control keys

Press the + key to obtain a sharp picture or the – key to obtain a less sharp picture.

6 TREBLE control keys

Press the + key to increase the treble (high tone) or the – key to decrease it.

7 BASS control keys

Press the + key to increase the bass (low tone) or the – key to decrease it.

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.

1-1 LOCATION AND FUNCTION OF PARTS AND CONTROLS
Front panel

- 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.



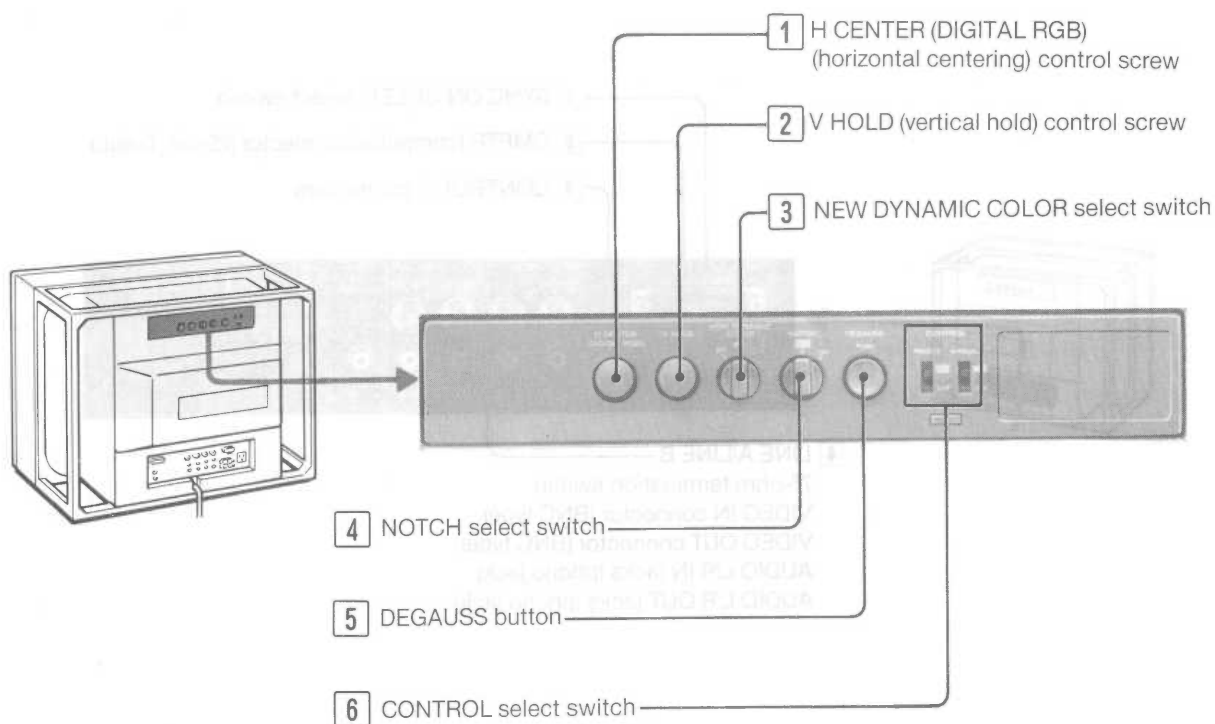
Note on the superimposing function

The PVM-2530 can superimpose the CMPTR input source onto the other input source. For this function once the CMPTR input source has been selected, both the indicator of the CMPTR input source and the indicator of the input source selected just before the CMPTR will blink or illuminate.

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

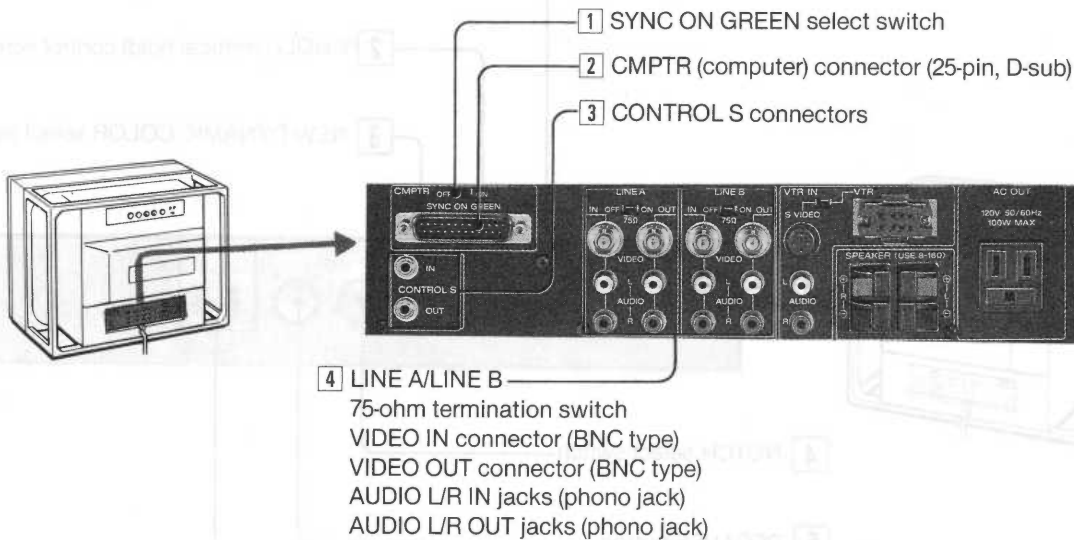
Set this switch to ON to control the monitor with a Remote Commander.
If this switch is set to OFF, the remote control is not possible.

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.)

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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)

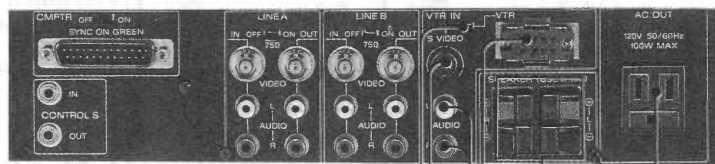
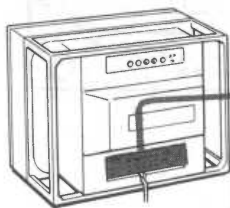
Connect to the video and audio outputs of a VTR or a camera.

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 S VIDEO/VTR IN selector
- 6 S VIDEO connector (4-pin, mini-DIN)
- 7 AUDIO L/R input jacks (phono jack)
- 8 VTR connector (8-pin)
- 9 SPEAKER L/R terminals
- 10 AC OUT connector

5 S VIDEO/VTR IN selector

To input the video/audio signals from S VIDEO/AUDIO connectors, set this to S VIDEO. To input the video/audio signals from the VTR connector, set this switch to VTR IN.

6 S VIDEO connector (4-pin, mini-DIN)

Connect to the VTR with an S VIDEO output connector.

7 AUDIO L/R input jacks (phono jack)

Connect to the audio outputs of a VTR.

8 VTR connector (8-pin)

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

9 SPEAKER (USE 8 - 16Ω) L/R terminals

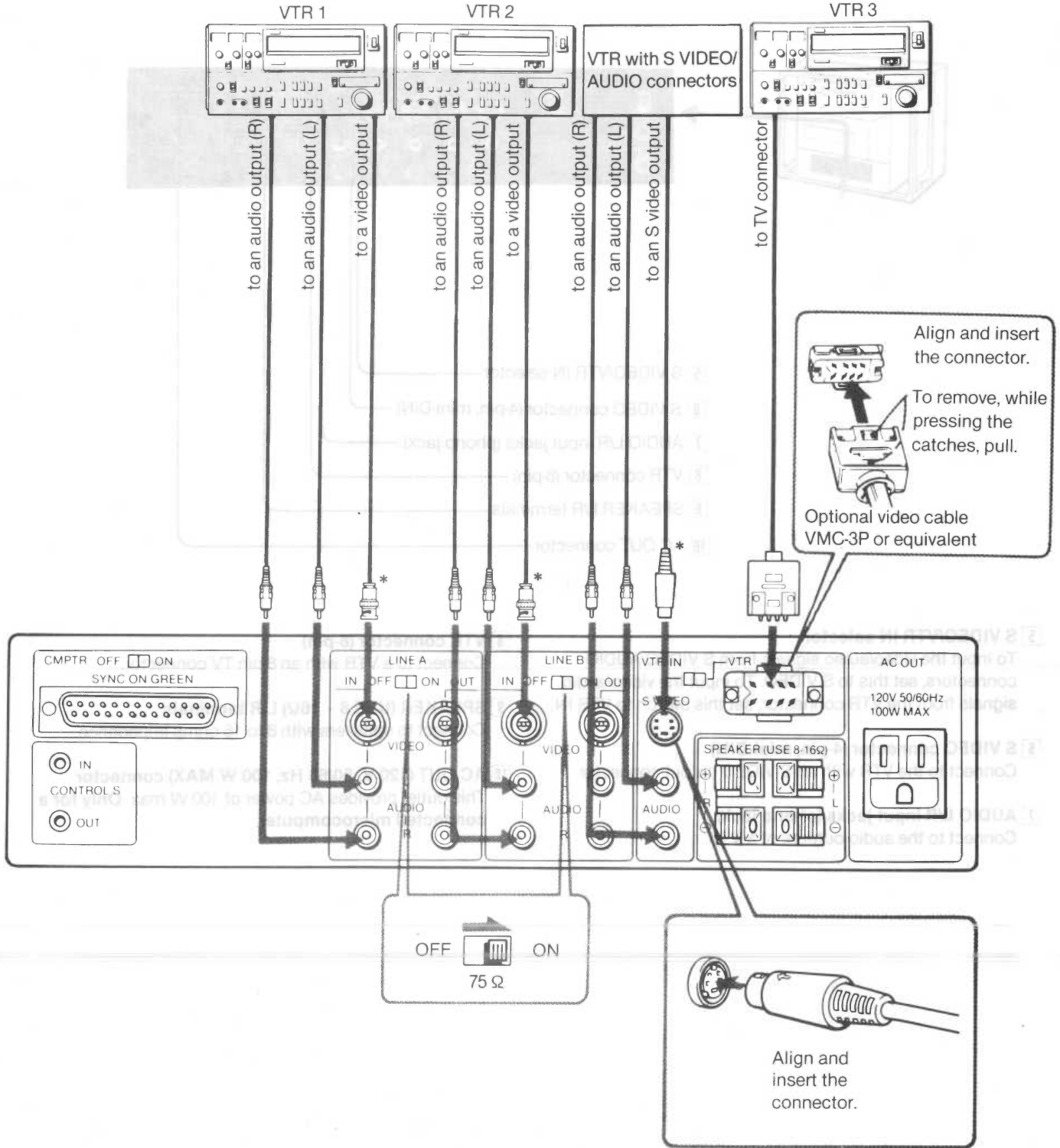
Connect to speakers with 8 to 16 ohms impedance.

10 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.**

1-2. SYSTEM CONNECTIONS

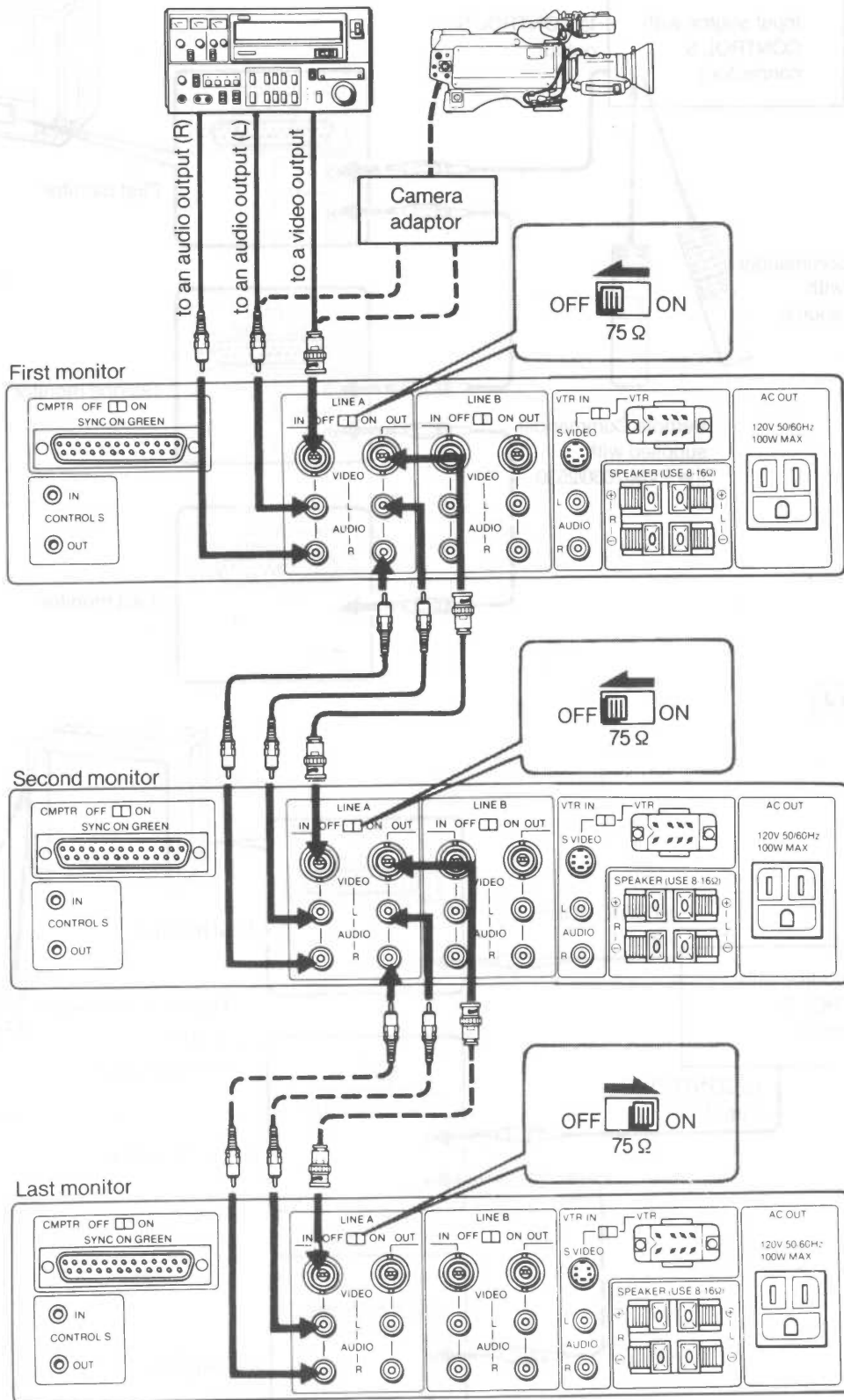
CONNECTING A VTR



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

CONNECTING SEVERAL MONITORS

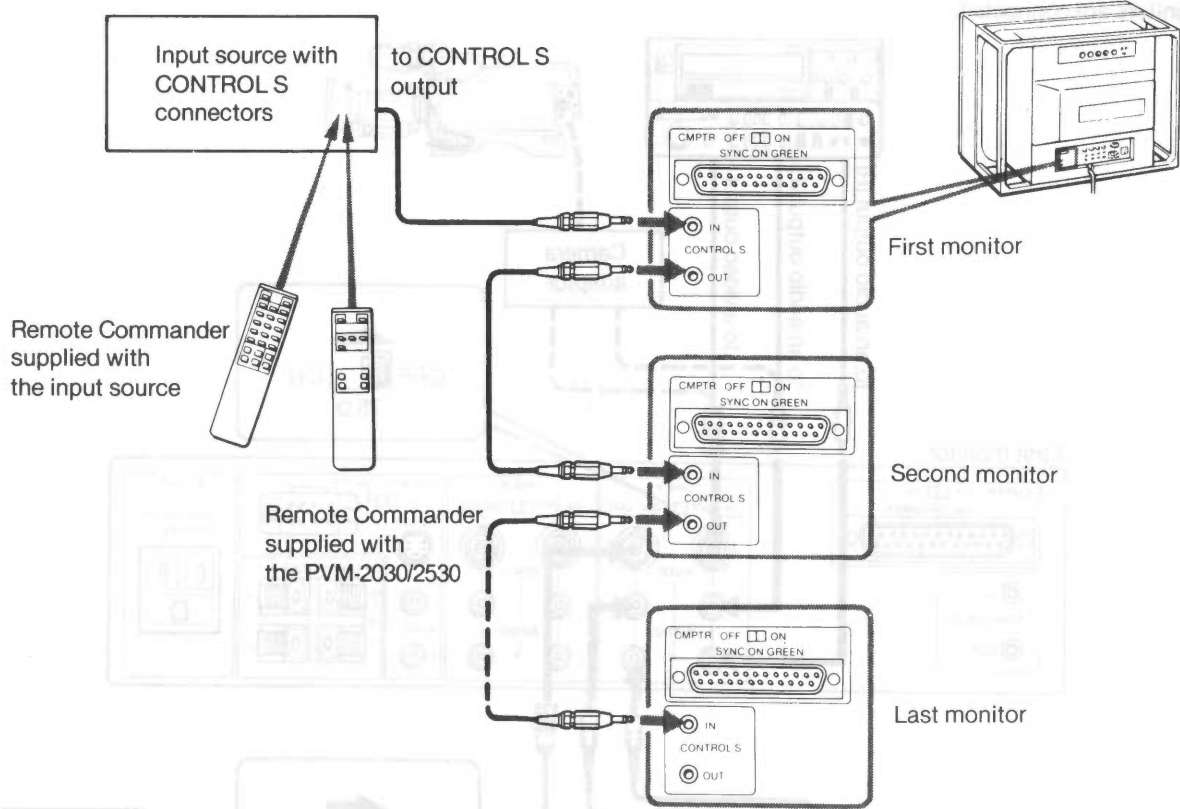
A loop-through connection is convenient for monitoring the same signal on other monitors. Up to 10 monitors can be connected. It is recommended to use a signal distributor when several monitors are connected.



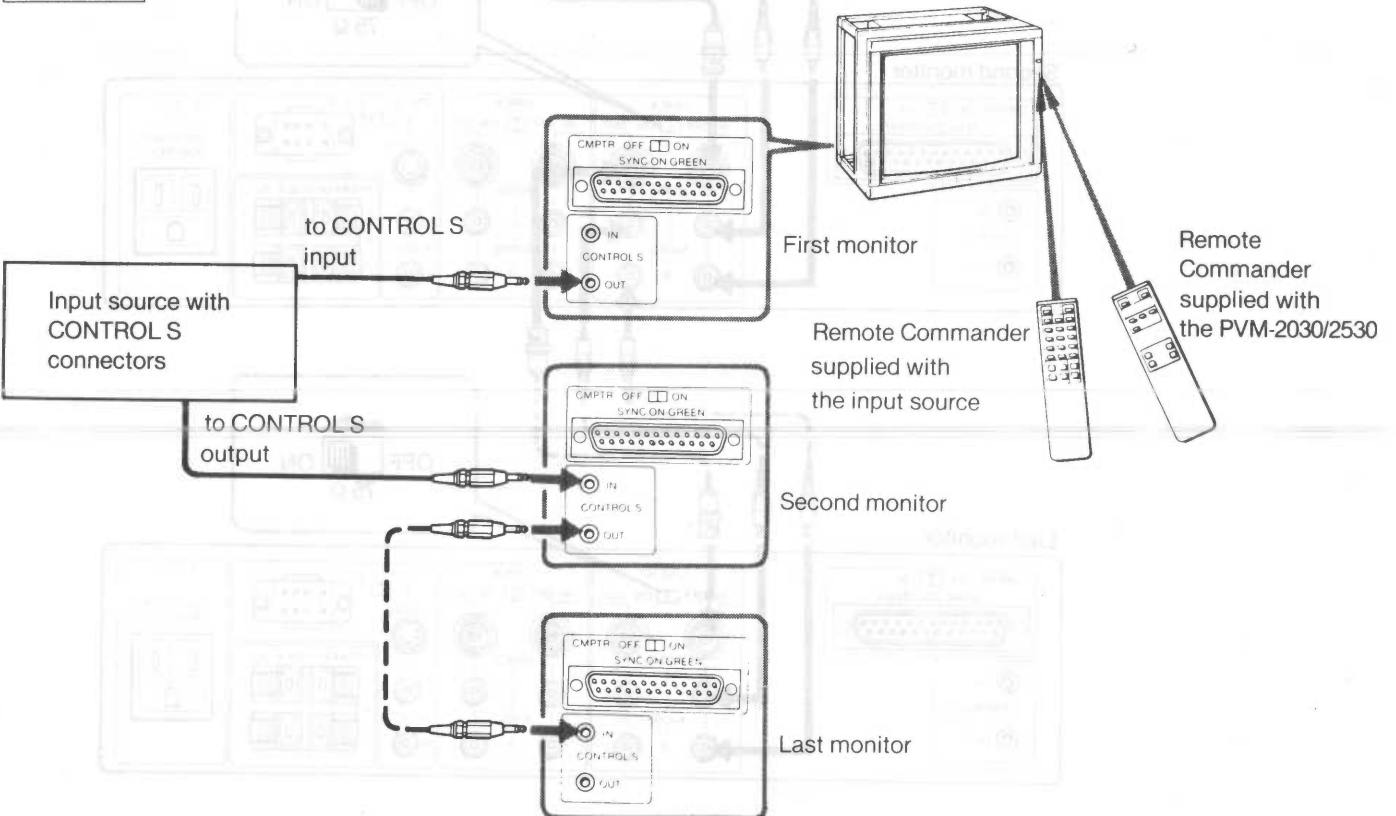
CONTROL S connection

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

Example 1

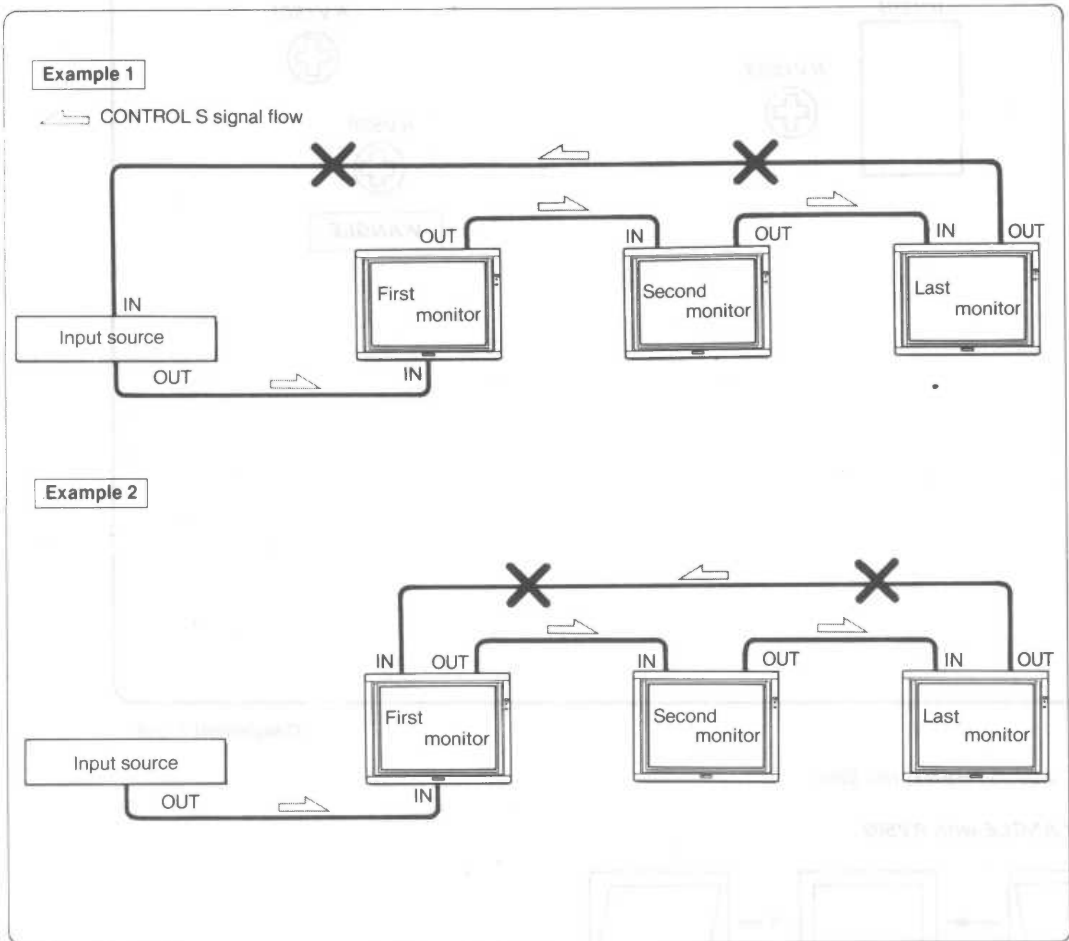


Example 2

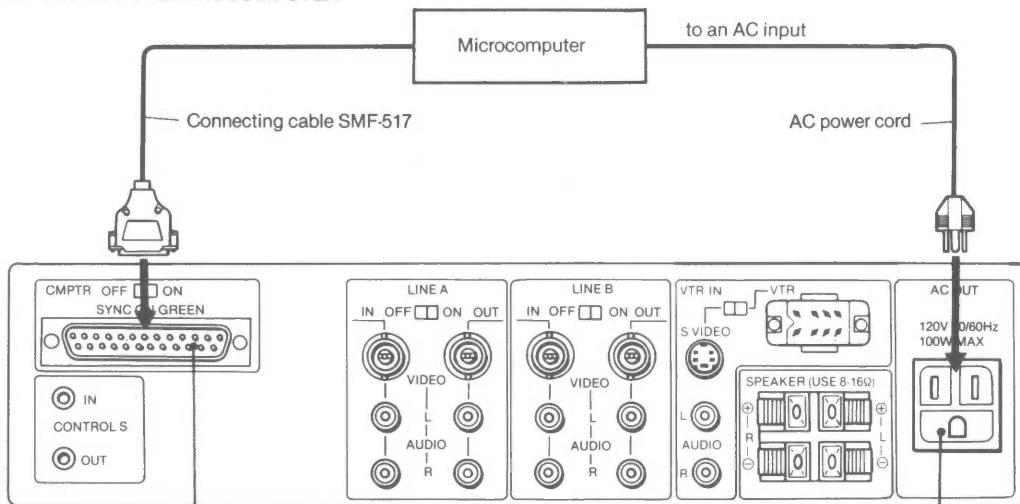


Note

Do not use the following loop connections.



CONNECTING A MICROCOMPUTER



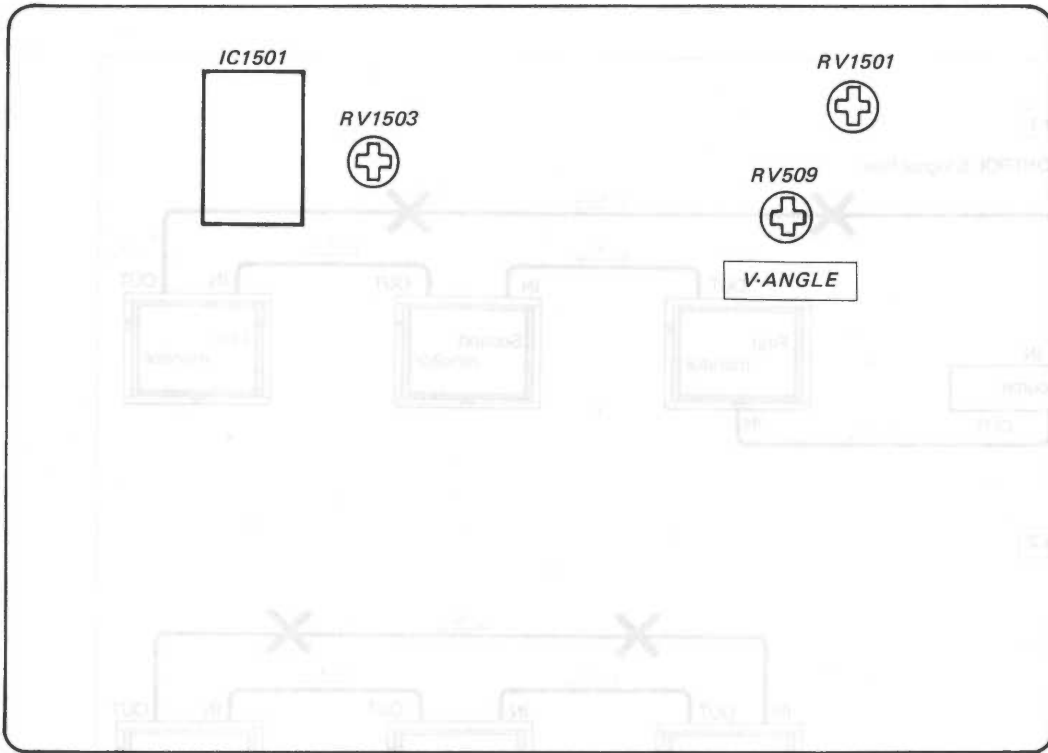
For signal to be connected, see "SPECIFICATIONS" on page 17.

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 5 CIRCUIT ADJUSTMENTS

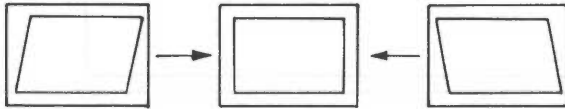
5-1. D BOARD ADJUSTMENT.



(Component Side)

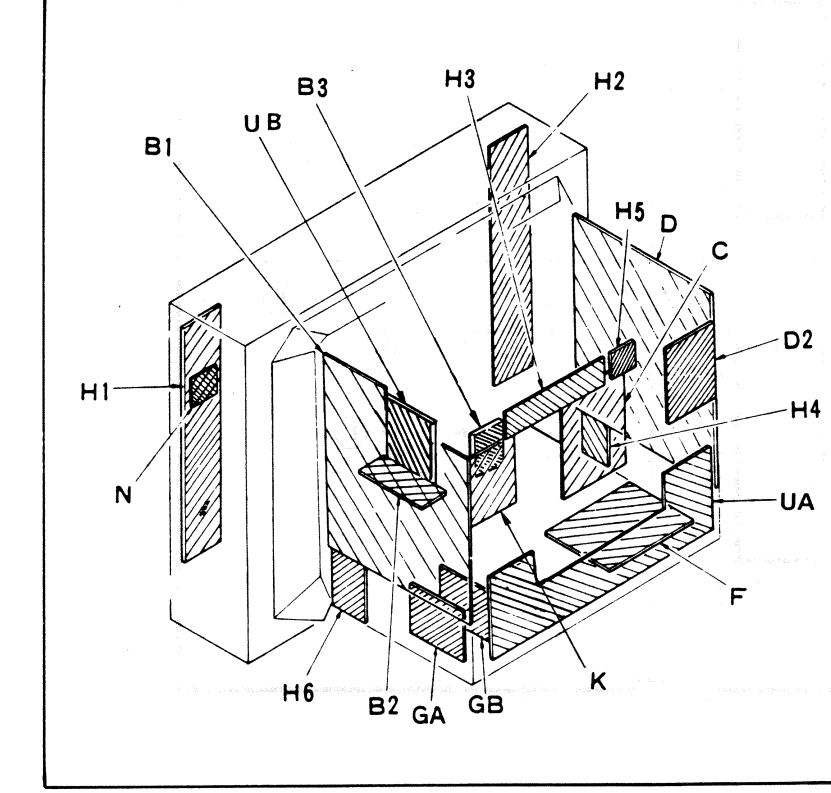
V-ANGLE ADJUSTMENT (RV509)

Adjust V-ANGLE with RV509

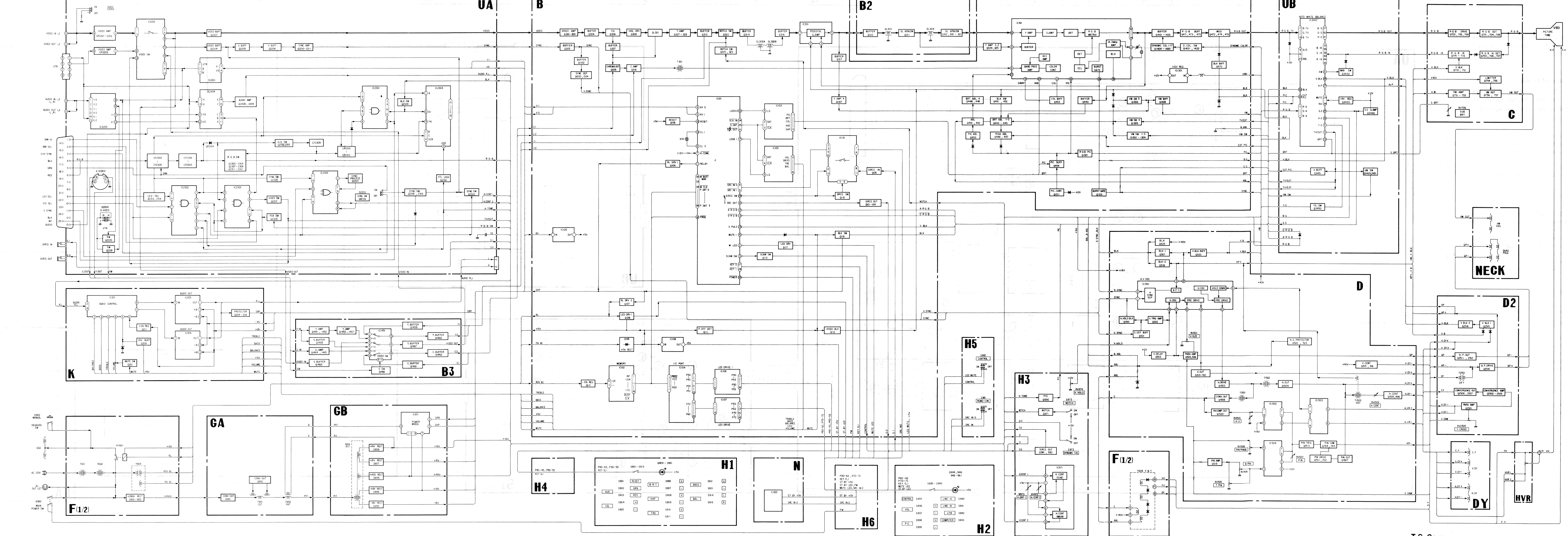


SECTION 6 DIAGRAMS

6-1. CIRCUIT BOARDS LOCATION



6-2. BLOCK DIAGRAMS



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6-3. SCHEMATIC DIAGRAM (1)

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

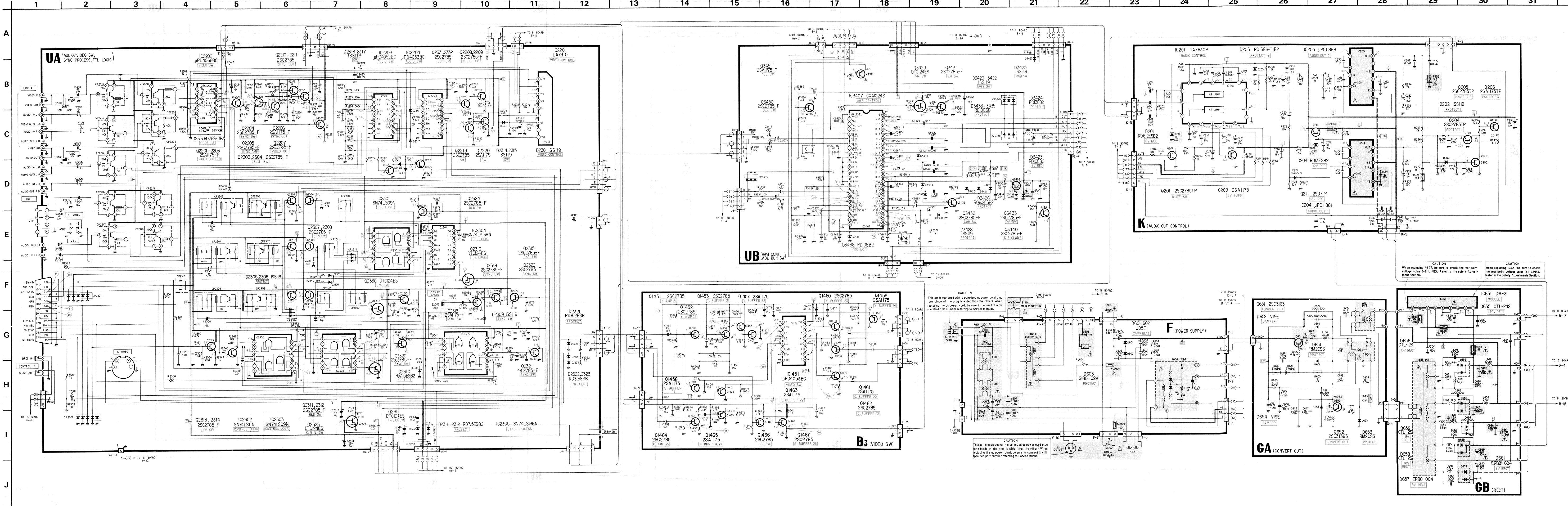
Note: Les composants identifiés par une trame et par une marque Δ sont d'une importance critique pour la sécurité. Ne les remplacer que par des pièces de numéro spécifié.

- Note:
- All capacitors are in μ F unless otherwise noted. p: μ F 50WV or less are not indicated except for electrolytics.
 - All resistors are in ohms, 1/4W unless otherwise noted. k: 1000 Ω , M: 100k Ω .
 - \square : nonflammable resistor.
 - All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
 - $\text{---}/\text{---}$: fusible resistor.
 - Δ : internal component.
 - \square : panel designation.
 - The components identified by \blacksquare 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 \blacksquare mark the necessary adjustments indicated. If results do not meet the specified value, change the component identified by \blacksquare and repeat the adjustment until the specified value is achieved. (Refer to R597 adjustment on page 19, 20 of the Service Manual.)

When replacing the part in below table, be sure to perform the related adjustment.

Part replaced (\blacksquare)	Adjustment (R)
C1509, IC1501, IC1503, D520, D521, D522, D1540, Q522, Q523, R593, R594, R595, R596, R597, R598, R599, R1350, R1518, R1519, R1520, R1521, R1522, R1523, R1525, R1590, R1592, R1593, R1594, R1595, R1597, R1598.	R597

- 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.
- \square : adjustment to repair.
- Readings are taken with a color-bar-signal input.
- no mark: with NTSC(3.58MHz) color-bar signal received.
- () : with DIGITAL color-bar signal received.
- Circled numbers refer to waveforms.
- B₃ board voltage readings are taken with inputting a color-bar S signal.



CAUTION: When replacing R657, be sure to check the test point voltage value (+B LINE). Refer to the safety Adjust-ment section.

CAUTION: When replacing IC651, be sure to check the test point voltage value (+B LINE). Refer to the safety Adjust-ment section.

6.4. PRINTED WIRING BOARDS (1)
-Conductor side-

AUDIO/VIDEO SW,
SYNC PROCESS,
TTL LOGIC

UA

UA GA

[CONVERT OUT]

GB

[RECT]

[AUDIO OUT CONTROL]

K

UB

[AWB CONT
ABL, BLK SW]

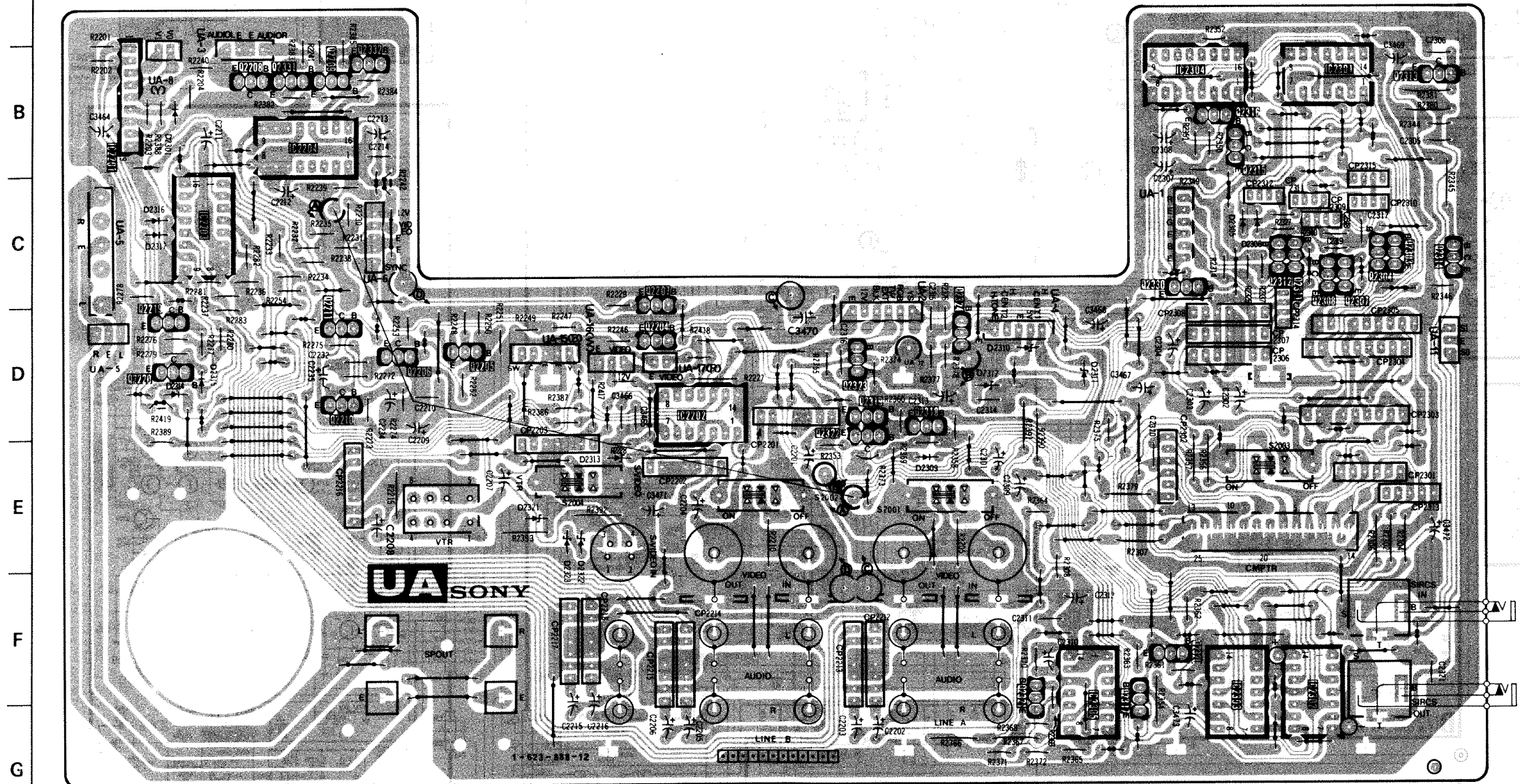
B3

[VIDEO SW]

F

[POWER SUPPLY]

- UA Board -

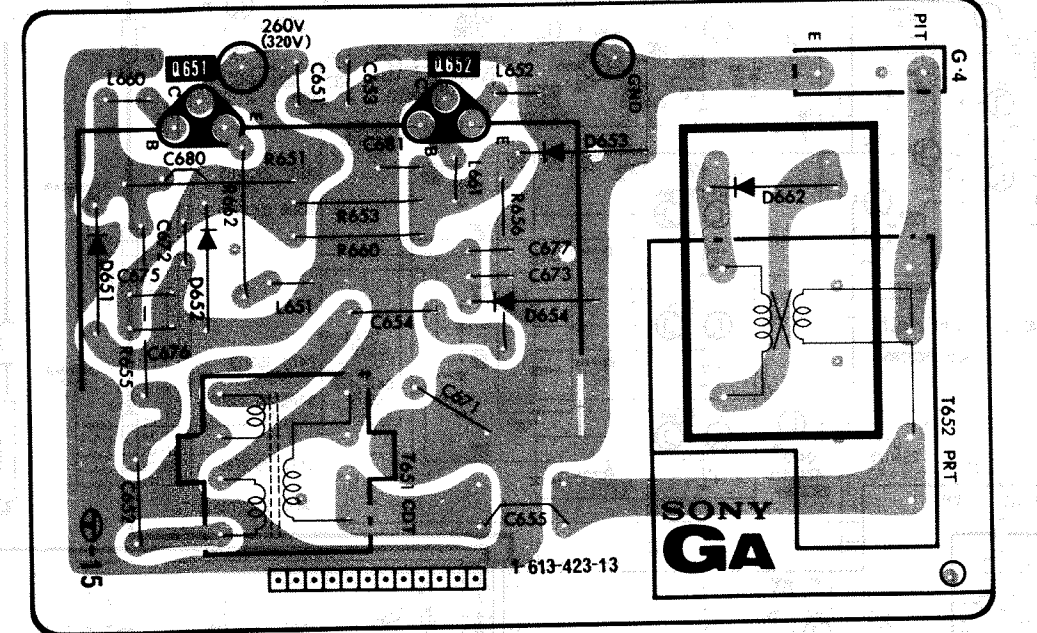


[UA BOARD]

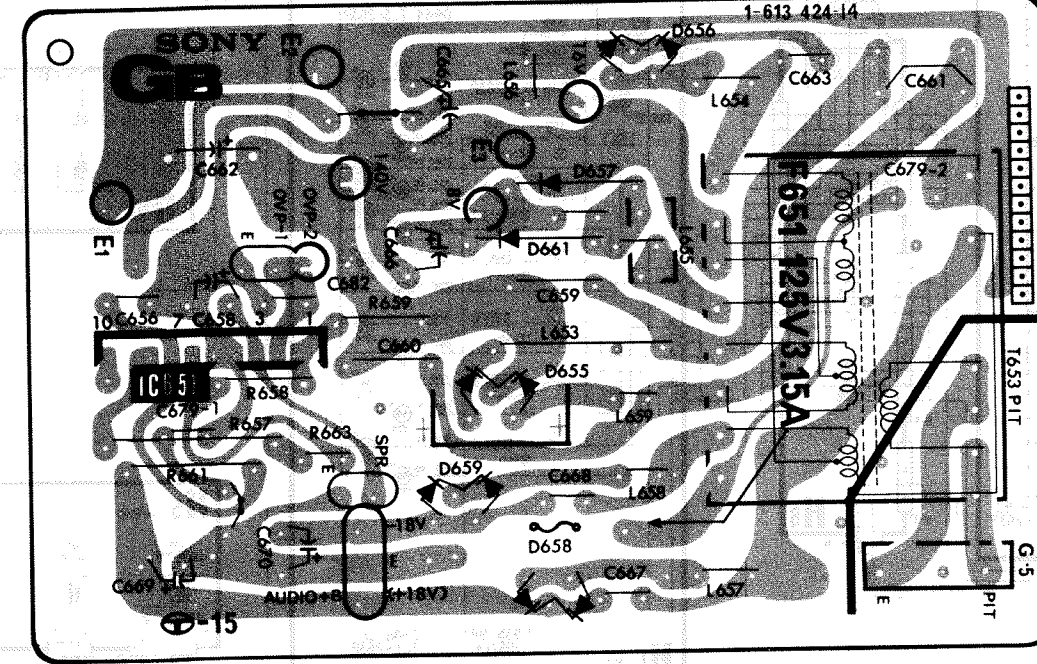
①	②	③	④	⑤
⑥	⑦			

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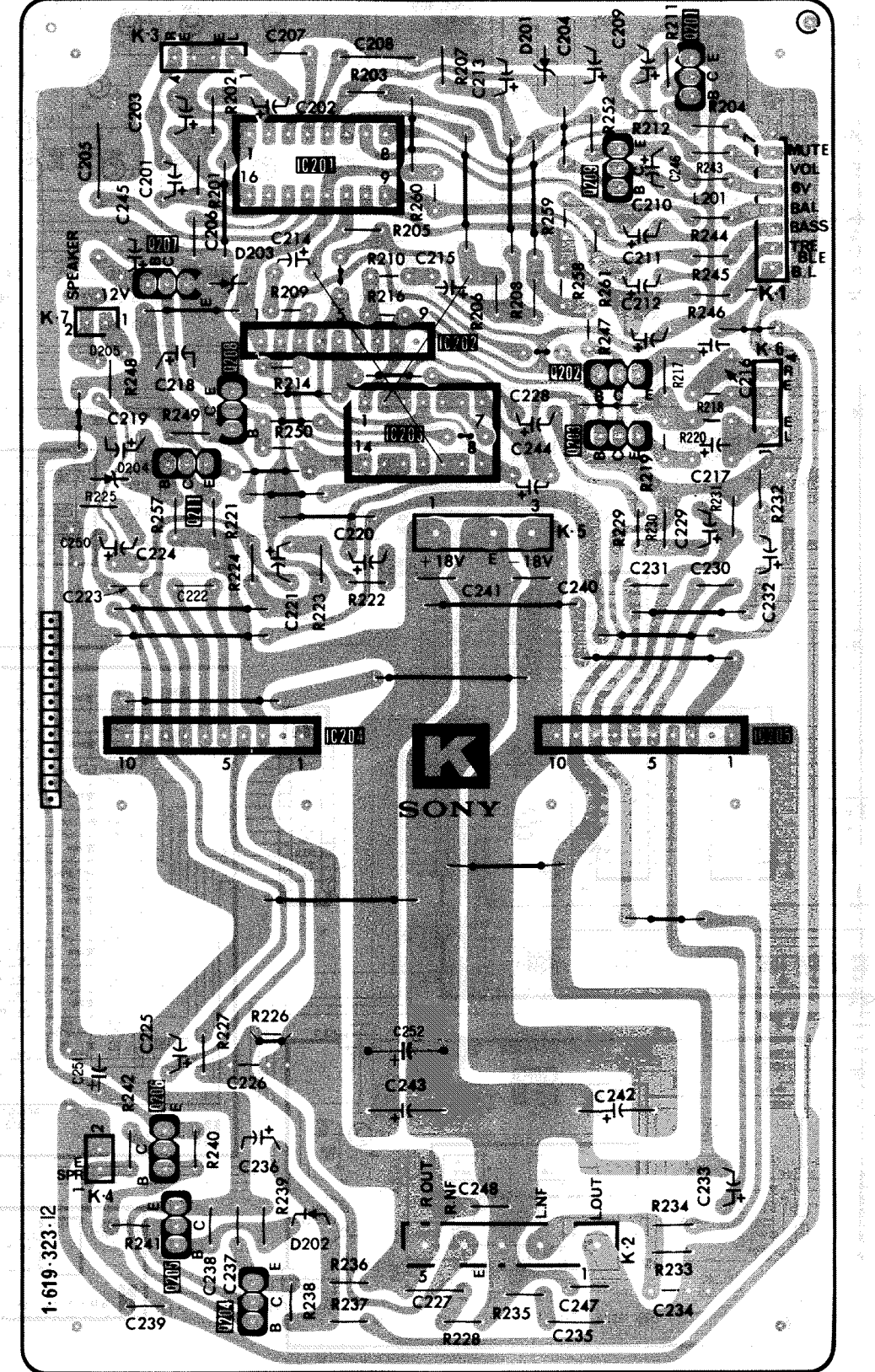
- GA Board -



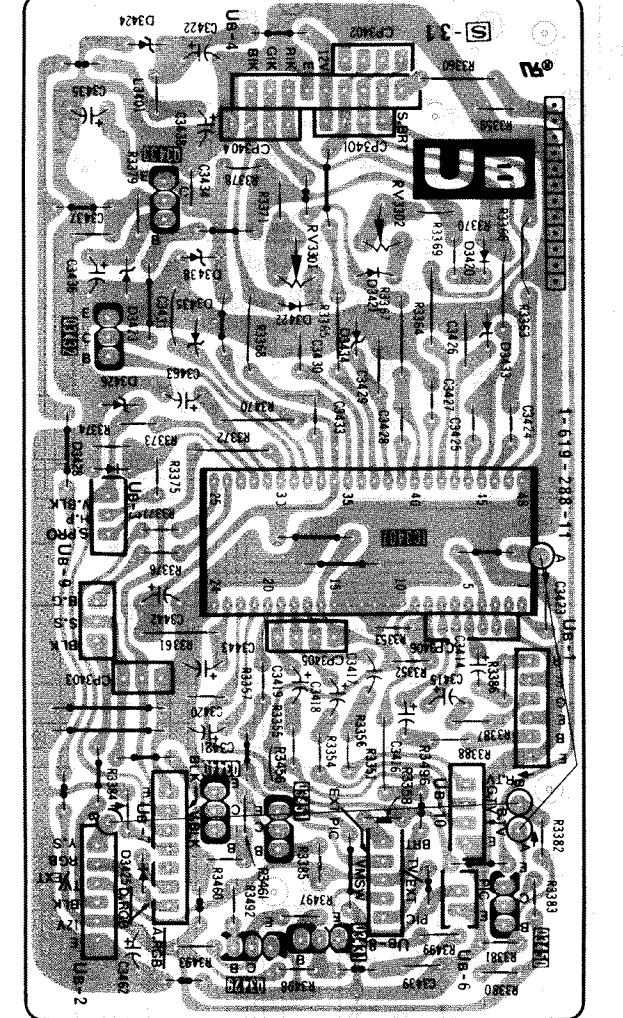
- GB Board -



- K Board -



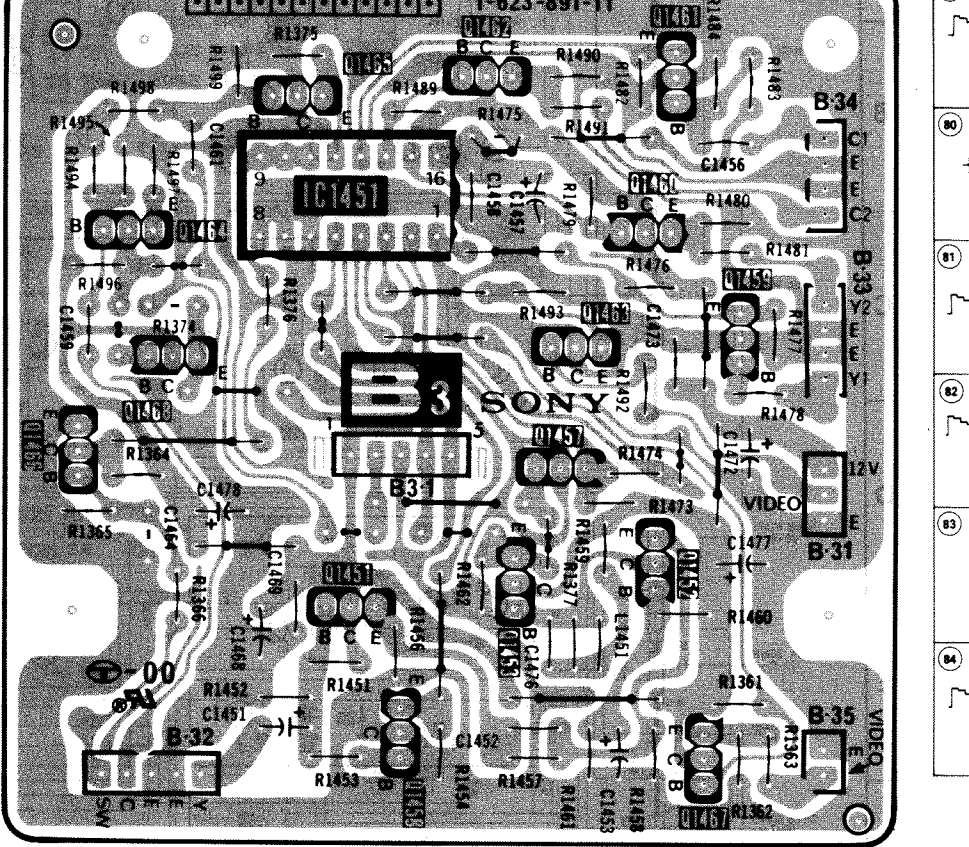
- UB Board -



[UB BOARD]

①	
②	
③	
④	
⑤	
⑥	
⑦	
⑧	

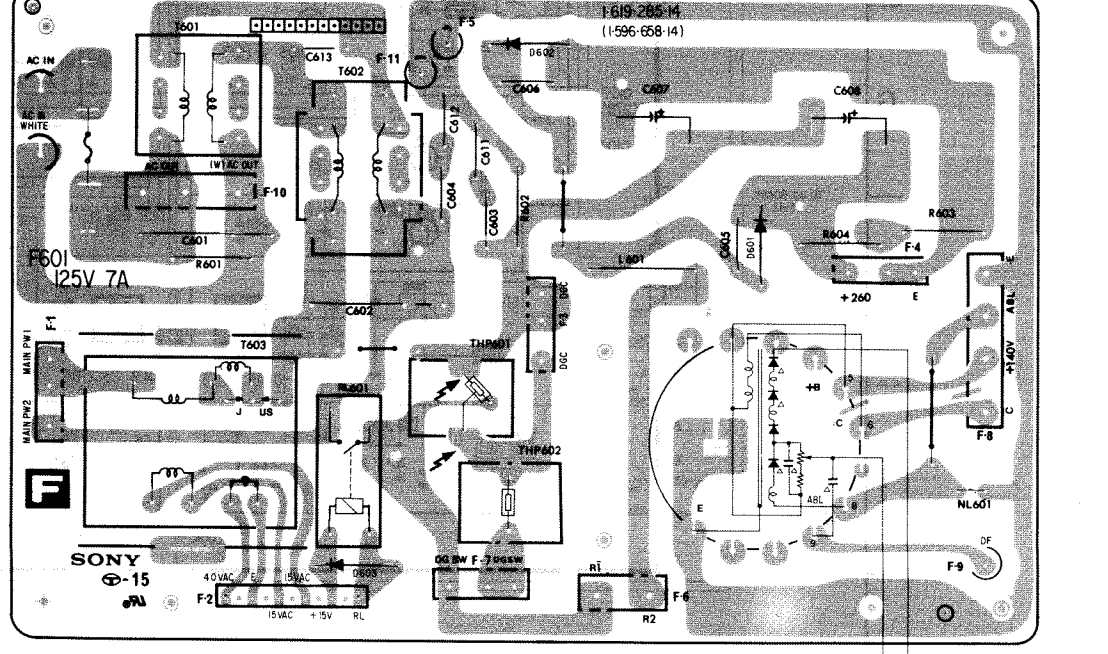
- B3 Board -



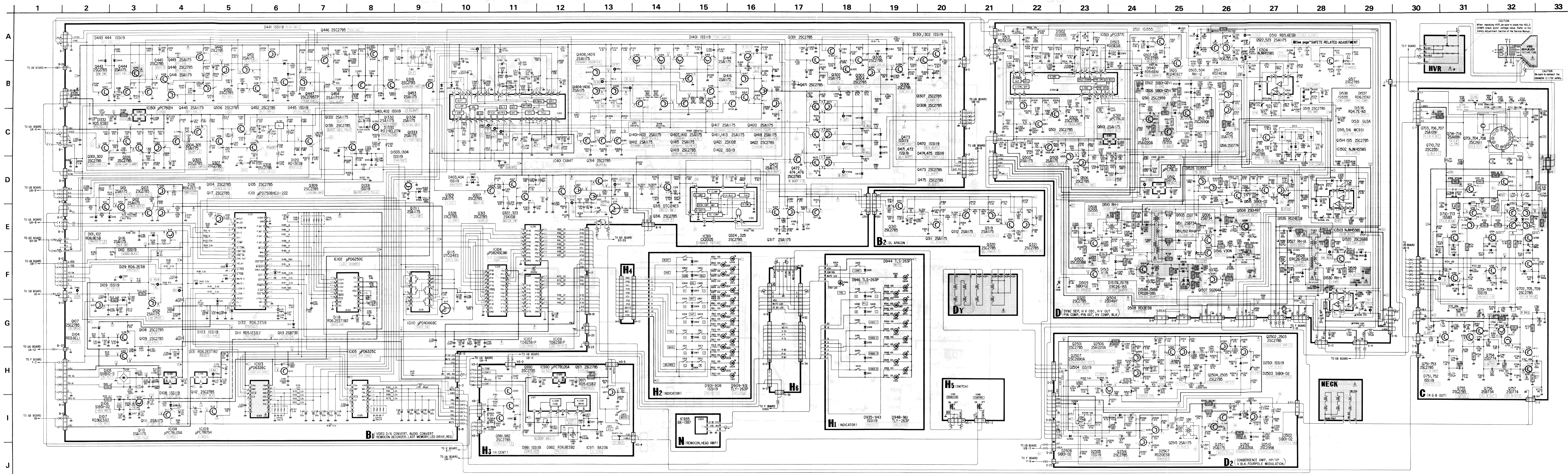
[B3 BOARD]

①	
②	
③	
④	
⑤	
⑥	
⑦	

- F Board -



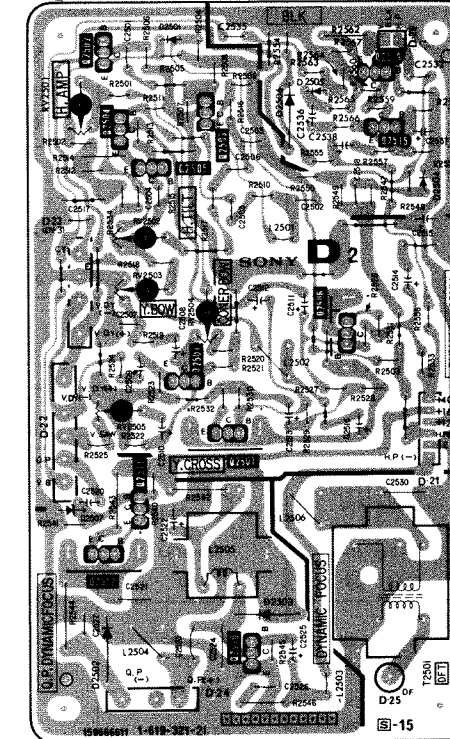
6-5. SCHEMATIC DIAGRAM (2)



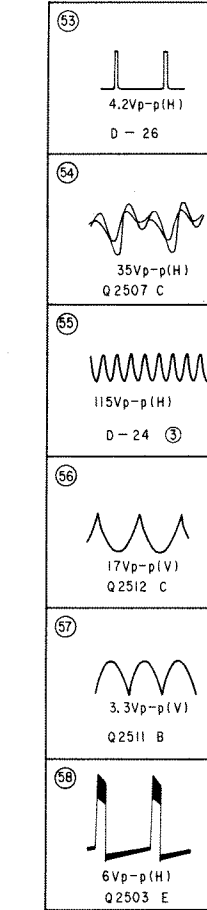
D2 CONVERGENCE AMP,
HP/VP, V BLK,
FOURPOLE MODULATION

[INDICATOR] H2 [INDICATOR] H1 [R.G-B OUT] C [H3] [H-CENT] H4 H5 [SWITCH] H6

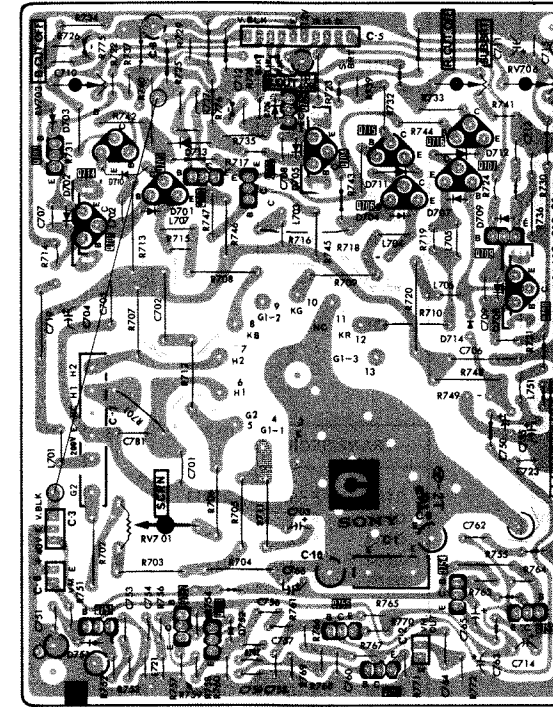
- D₂ Board -



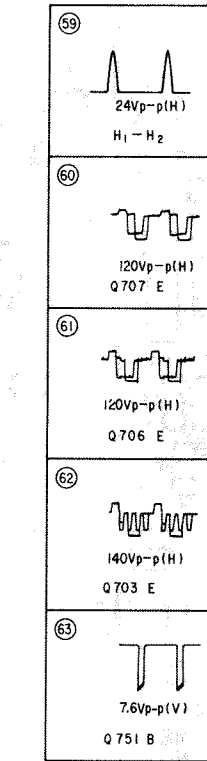
[D2 BOARD]



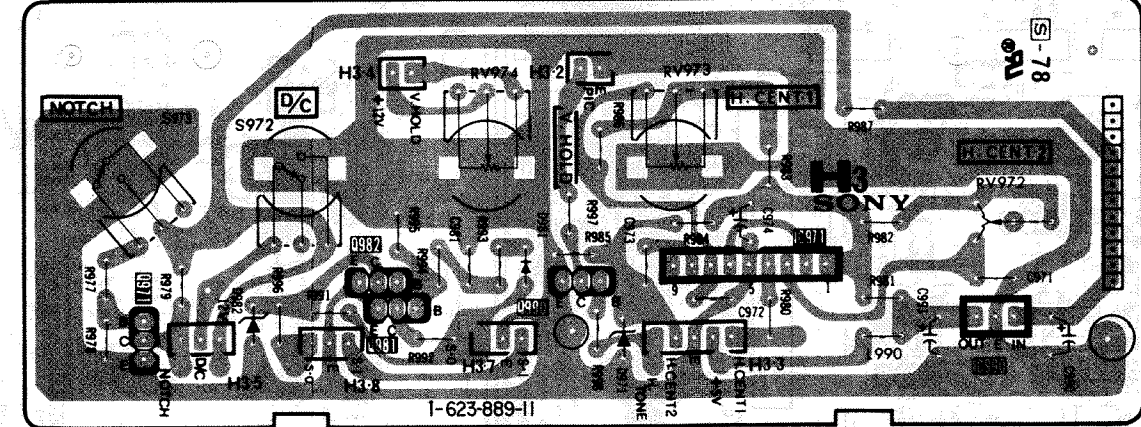
- C Board -



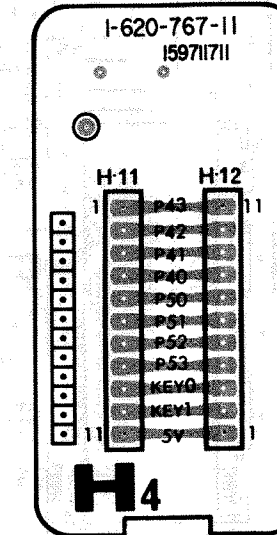
[C BOARD]



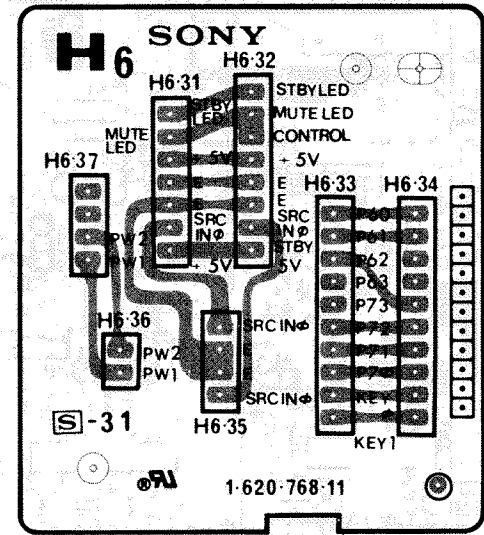
- H₃ Board -



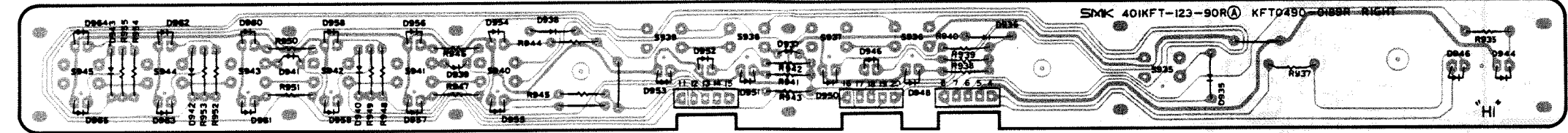
- H₄ Board -



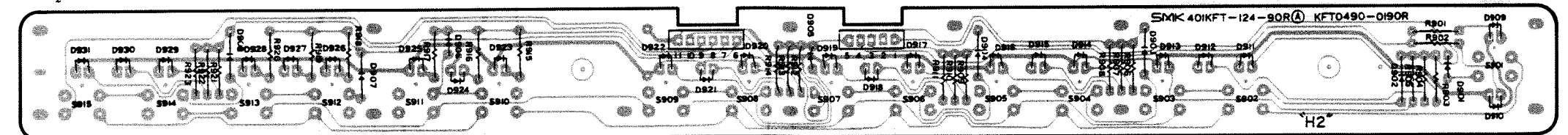
- H₅ Board -



- H₁ Board -



- H₂ Board -



6-7. SEMICONDUCTORS

- BA236
- CXA1024S
- CX2012S
- CX847
- CX848
- LA7190
- NJM4558S
- SN74LS09N
- SN74LS11N
- SN74LS138N
- μPD4066BC
- SN74LS138N
- TA7630P
- μPD4052BC
- μPD4053BC
- μPD6250C
- μPD6325C
- μPD6326C

- TD62381P
- μPC1188H
- μPC1377C
- μPC78L05A
- μPC78L12
- μPC7805H
- μPC7812H
- μPD7508HCU-222
- μPD8243C
- 2SA1091
- 2SB740
- 2SC2551
- 2SD789

- 2SA1175
- 2SA1175TP
- 2SC2785
- 2SC2785TP
- 2SA1220A
- 2SC2611
- 2SC2688
- 2SC2690A
- 2SB733
- 2SB734
- 2SC2958
- 2SC2959
- 2SD774
- 2SC2238B
- 2SC3163
- 2SD1497
- 2SK108C
- 2SA1091
- 2SB740
- 2SC2551
- 2SD789

- SG264A
- 1S1555
- 1SS83
- 10E2
- ERB81-004
- ERD28-06S
- RD3.6E-L1
- RD3.6E-L2
- RD4.7E-N2
- RD4.7E-N3
- RD5.6E-N1
- RD5.6E-N2
- RD6.2E-L2
- RD6.2E-L3
- RD6.2E-N2
- RD7.5E-B2
- RD10E-B2
- RD13E-B2
- RD24E-B2
- RD24E-L2
- RM2CSS
- SIB01-02
- 1SS119
- 1SS133
- 1SS148
- RD3.3ES-B1
- RD5.1ES-B2
- RD5.6ES-B1
- RD5.6ES-L2
- RD6.2ES-B
- RD6.2ES-B2
- RD6.2ES-L3
- RD6.8ES-B
- RD6.8ES-B2
- RD7.5ES-B2
- RD10ES-B
- RD10ES-B2
- RD13ES-B
- RD13ES-B2
- RD13ES-B3
- RD15ES-B
- RD20ES-B
- RD24ES-B
- RD36ES-B2

- CTL-12S
- CTU-24S
- V19G
- ERB81-004
- RH-1
- RH-1A
- RH-1Z
- RM2CSS
- ERC26-15S
- ERC26-15SA
- GU-3A
- U05E
- V11N
- V19E
- V30N
- MC931

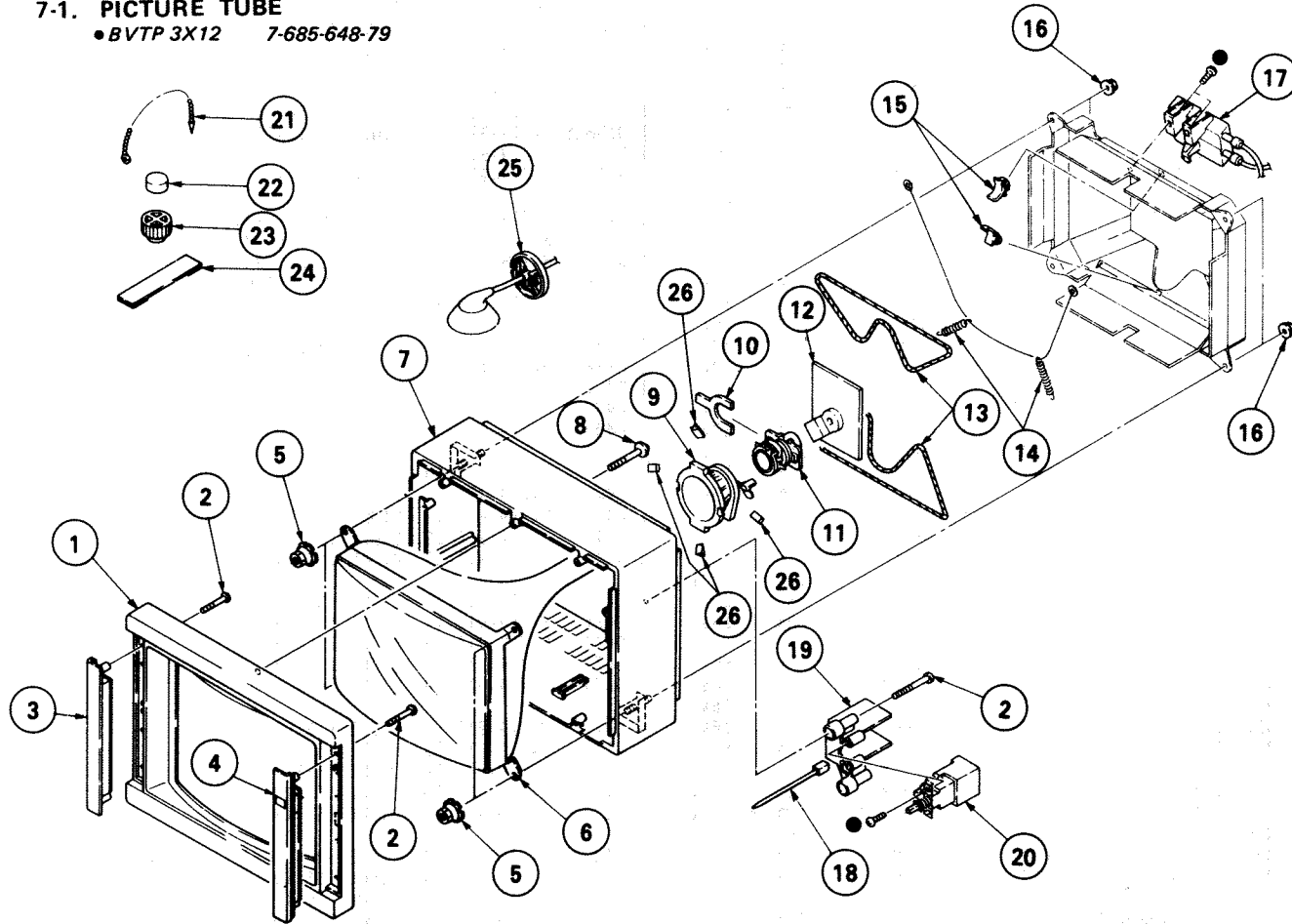
SECTION 7 EXPLODED VIEWS

NOTE:

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

7-1. PICTURE TUBE

- BVTP 3X12 7-685-648-79
- BVTP 3X10 7-685-647-79



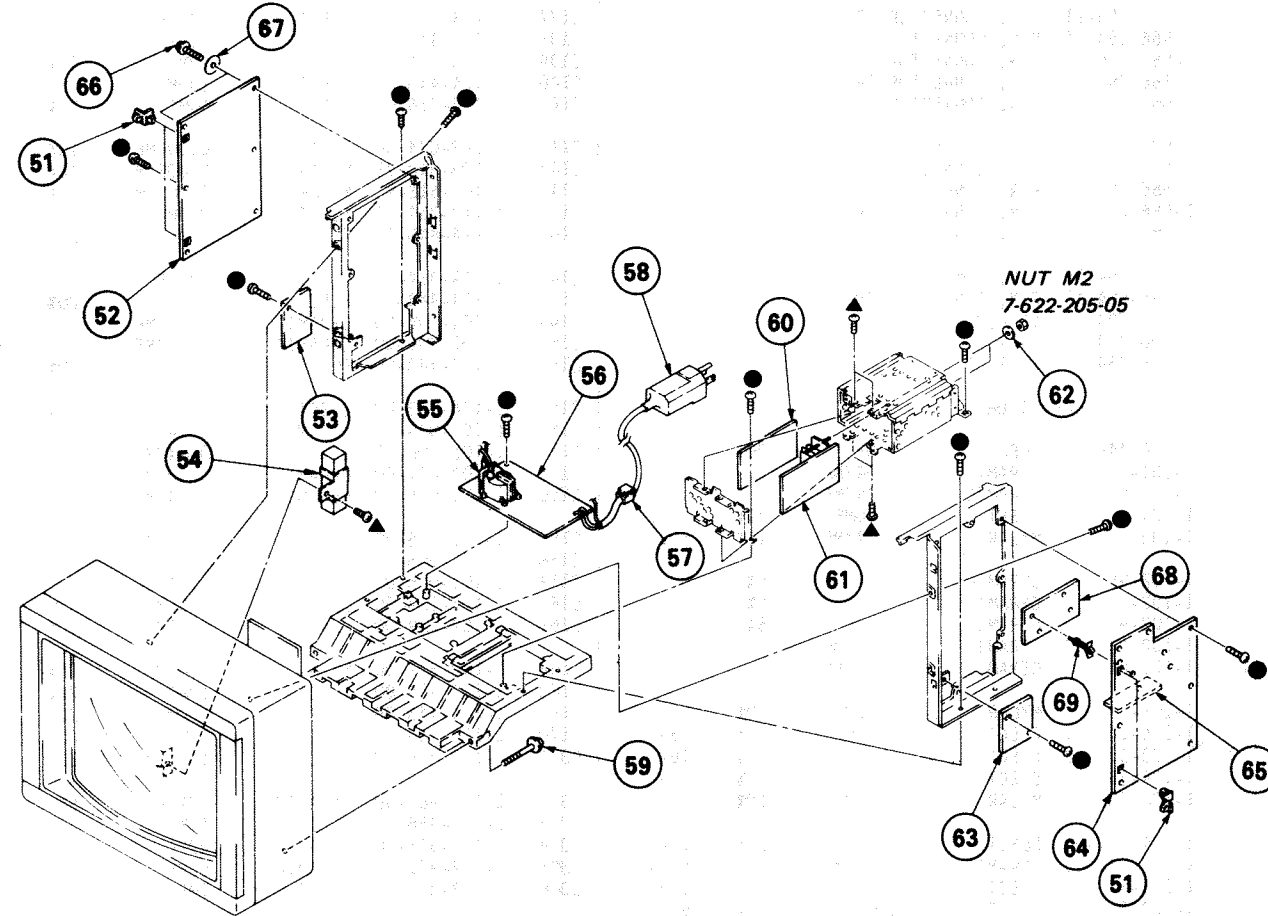
No.	Part No.	Description	Remark	No.	Part No.	Description	Remark
1	X-4374-160-2	BEZEL ASSY (FOR DARK GRAY)	2	13	▲1-426-296-11	COIL, DEMAGNETIZATION	
2	X-4374-160-3	BEZEL ASSY (FOR LIGHT GRAY)	2	14	4-303-774-XX	SPRING	
3	3-703-083-00	+ BV 3X25		15	*4-371-629-01	STOPPER, WIRE	
4	1-464-747-11	KEY BOARD UNIT (A)		16	4-306-034-00	FLANGE NUT, (B) 5MM	
5	1-464-748-11	KEY BOARD UNIT (B)		17	▲1-230-712-22	RESISTOR ASSY, HIGH-VOLTAGE	
6	4-376-980-01	NUT, SPECIAL, CRT		18	*4-371-182-01	SHAFT	
7	▲8-736-652-05	PICTURE TUBE (A64JK10X)		19	*4-371-183-01	COVER, MAIN SWITCH	
8	X-4374-161-2	CABINET ASSY (FOR DARK GRAY)	8	20	▲1-554-966-12	SWITCH, PUSH (AC POWER)(1 KEY)	
9	X-4374-161-3	CABINET ASSY (FOR LIGHT GRAY)	8	21	4-308-870-00	CLIP, LEAD WIRE	
10	4-319-520-11	SCREW, SPECIAL (+PW4X30)		22	1-452-032-00	MAGNET, DISK; 10MM Ø	
11	▲1-451-255-22	DEFLECTION YOKE		23	1-452-094-00	MAGNET, ROTATABLE DISK; 15MM Ø	
12	1-452-146-21	MAGNET, BMC		24	X-4306-312-0	PERMALLOY ASSY, CONVERGENCE	
	▲1-452-351-22	NECK ASSY, CRT (NA302)		25	*4-369-234-01	HOLDER, HV CABLE	
	*A-1330-784-A	C BOARD, COMPLETE		26	3-703-003-00	SPACER, DY	

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.

7-2. CHASSIS

- BVTP 3x12 7-685-648-79
- ▲ BVTP 3X10 7-685-647-79



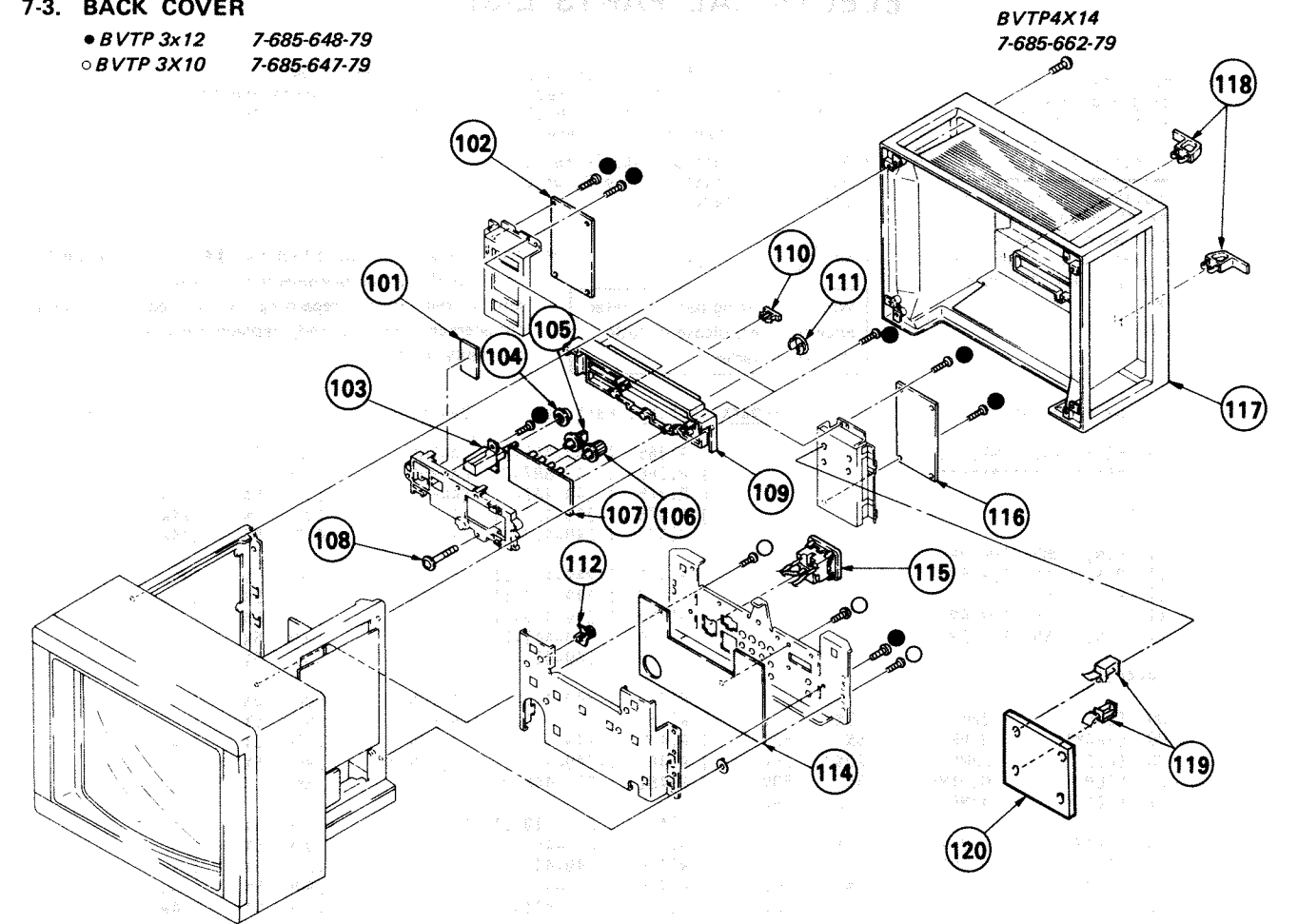
No.	Part No.	Description	Remark	No.	Part No.	Description	Remark
51	*4-313-732-00	CLIP, HINGE, CIRCUIT BOARD		61	*1-613-423-11	GA BOARD	
52	*A-1345-688-A	D BOARD, COMPLETE		62	3-845-490-00	WASHER	
53	*1-620-767-11	H4 BOARD		63	*1-620-768-11	H6 BOARD	
54	▲1-205-904-11	RES, CEMENT WIREWOUND 1 5% 30W		64	*A-1135-476-A	B1 (B) BOARD, COMPLETE	65
55	▲1-439-339-14	TRANSFORMER ASSY, FLYBACK		65	*1-619-318-11	B2 BOARD	
56	*1-619-285-11	F BOARD		66	4-302-428-00	H2 BOARD, COMPLETE	
57	*4-371-185-02	BUSHING, AC CORD		67	4-383-101-01	WASHER (DIA.14)	
58	▲1-557-970-11	CORD, POWER		68	*A-1373-058-A	UB BOARD, COMPLETE	
59	4-319-520-11	SCREW, SPECIAL (+PW4X30)		69	*3-703-353-06	SUPPORT, PC BOARD	
60	*1-613-424-11	GB 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.

7-3. BACK COVER

- BVTP 3x12 7-685-648-79
- BVTP 3X10 7-685-647-79



No.	Part No.	Description	Remark	No.	Part No.	Description	Remark
101	*1-623-890-11	H5 BOARD		110	4-371-176-01	CAP, SQUARE (FOR DARK GRAY)	
102	*A-1340-936-A	D2 BOARD, COMPLETE		111	4-371-176-11	CAP, SQUARE (FOR LIGHT GRAY)	
103	▲1-570-757-11	SWITCH, PUSH (DEGAUSS SWITCH)		112	4-371-181-01	CAP (FOR LIGHT GRAY)	
104	4-381-168-01	BUTTON, DEGAUSSING (FOR DARK GRAY)		113	4-371-181-11	CAP (FOR LIGHT GRAY)	
105	4-381-168-11	BUTTON, DEGAUSSING (FOR LIGHT GRAY)		114	*3-670-570-11	SPACER, SUPPORT	
106	4-381-167-01	KNOB (B), CONTROL (FOR DARK GRAY)		115	*A-1373-088-A	UA BOARD, COMPLETE	
107	4-381-167-11	KNOB (B), CONTROL (FOR LIGHT GRAY)		116	▲1-526-920-12	AC OUTLET (WITH EARTH)	
108	4-381-166-01	KNOB (A), CONTROL (FOR DARK GRAY)		117	*A-1380-189-A	K BOARD, COMPLETE	
109	4-381-166-11	KNOB (A), CONTROL (FOR LIGHT GRAY)		118	X-4374-162-2	COVER ASSY, REAR (FOR DARK GRAY)	118
				119	X-4374-162-4	COVER ASSY, REAR (FOR LIGHT GRAY)	118
				120	4-316-003-21	HOLDER, CORD (FOR DARK GRAY)	
					4-316-003-31	HOLDER, CORD (FOR LIGHT GRAY)	
					*3-703-141-00	HOLDER, PCB	
					*A-1130-631-A	B3 BOARD, COMPLETE	

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.

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B3 B1

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.

CAPACITORS MF: µF, PF: µµF

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

RESISTORS All resistors are in ohms F: nonflammable COILS MMH: mH, UH: µH

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.

Table with columns: Ref.No., Part No., Description, Remark. Includes parts for B3 BOARD, CONNECTOR, CAPACITOR, IC, COIL, INDUCTOR, TRANSISTOR, and RESISTOR.

Table with columns: Ref.No., Part No., Description, Remark. Includes parts for B1 (B) BOARD, CONNECTOR, and RESISTOR.

Table with columns: Ref.No., Part No., Description, Remark. Includes parts for B1 (B) BOARD, CAPACITOR, and RESISTOR.

Table with columns: Ref.No., Part No., Description, Remark. Includes parts for B1 (B) BOARD, CAPACITOR, and RESISTOR.

Table with columns: Ref.No., Part No., Description, Remark. Includes parts for B1 (B) BOARD, CAPACITOR, and RESISTOR.

Table with columns: Ref.No., Part No., Description, Remark. Includes parts for B1 (B) BOARD, CAPACITOR, and RESISTOR.

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.

B1

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
<u>IC</u>				Q113	8-729-113-32	TRANSISTOR 2SB733	
IC101	8-759-105-89	IC UPD7508HCU-222		Q115	8-729-900-36	TRANSISTOR DTC124ES	
IC102	8-759-102-12	IC UPD6250C		Q116	8-729-117-54	TRANSISTOR 2SA1175	
IC103A	8-759-102-28	IC UPD6326C		Q117	8-729-178-54	TRANSISTOR 2SC2785	
IC104	8-759-182-43	IC UPD8243C		Q301	8-729-178-54	TRANSISTOR 2SC2785	
IC105	8-759-104-05	IC UPD6325C		Q302	8-729-178-54	TRANSISTOR 2SC2785	
IC106	8-759-207-07	IC TD62381P		Q303	8-729-178-54	TRANSISTOR 2SC2785	
IC107	8-759-207-07	IC TD62381P		Q304	8-729-117-54	TRANSISTOR 2SA1175	
IC108A	8-759-108-05	IC UPC78L05A		Q305	8-729-117-54	TRANSISTOR 2SA1175	
IC109	8-759-171-05	IC UPC7805H		Q306	8-729-178-54	TRANSISTOR 2SC2785	
IC110	8-759-140-66	IC UPD4066BC		Q307	8-729-178-54	TRANSISTOR 2SC2785	
IC301	8-759-913-11	IC CX20125		Q308	8-729-178-54	TRANSISTOR 2SC2785	
IC401	8-758-480-00	IC CX848		Q309	8-729-178-54	TRANSISTOR 2SC2785	
IC1301A	8-759-171-12	IC UPC7812H		Q313	8-729-178-54	TRANSISTOR 2SC2785	
IC1301A	8-759-171-12	IC UPC7812H		Q314	8-729-178-54	TRANSISTOR 2SC2785	
<u>JACK</u>				Q315	8-729-900-36	TRANSISTOR DTC124ES	
J201	*1-564-529-11	CONNECTOR, BOARD TO BOARD 5P		Q316	8-729-178-54	TRANSISTOR 2SC2785	
<u>COIL</u>				Q317	8-729-117-54	TRANSISTOR 2SA1175	
L101	1-407-708-00	INDUCTOR 180UH		Q318	8-729-178-54	TRANSISTOR 2SC2785	
L102	1-407-708-00	INDUCTOR 180UH		Q322	8-729-600-12	TRANSISTOR 2SK108	
L103	1-408-618-00	INDUCTOR 180UH		Q323	8-729-600-12	TRANSISTOR 2SK108	
L104	1-408-618-00	INDUCTOR 180UH		Q324	8-729-178-54	TRANSISTOR 2SC2785	
L105	1-408-618-00	INDUCTOR 180UH		Q325	8-729-178-54	TRANSISTOR 2SC2785	
L106	1-408-618-00	INDUCTOR 180UH		Q326	8-729-178-54	TRANSISTOR 2SC2785	
L301	1-408-412-00	INDUCTOR 18UH		Q327	8-729-178-54	TRANSISTOR 2SC2785	
L302	1-407-571-00	COIL, VARIABLE 22UH		Q328	8-729-178-54	TRANSISTOR 2SC2785	
L303	1-408-412-00	INDUCTOR 18UH		Q329	8-729-117-54	TRANSISTOR 2SA1175	
L304	1-408-411-00	INDUCTOR 15UH		Q440 A	8-729-101-36	TRANSISTOR 2SC2785TP-H	
L306	1-408-417-00	INDUCTOR 47UH		Q441	8-729-117-54	TRANSISTOR 2SA1175	
L307	1-408-412-00	INDUCTOR 18UH		Q442	8-729-178-54	TRANSISTOR 2SC2785	
L308	1-409-193-00	COIL 3.58MHZ TRAP		Q443	8-729-178-54	TRANSISTOR 2SC2785	
L310	1-407-695-00	INDUCTOR 15UH		Q444	8-729-117-54	TRANSISTOR 2SA1175	
L401	1-408-592-11	INDUCTOR 1.2UH		Q445	8-729-117-54	TRANSISTOR 2SA1175	
L402	1-408-592-11	INDUCTOR 1.2UH		Q446	8-729-178-54	TRANSISTOR 2SC2785	
L404	1-408-592-11	INDUCTOR 1.2UH		Q447	8-729-178-54	TRANSISTOR 2SC2785	
L1330	1-408-236-00	INDUCTOR 2.7MMH		Q448	8-729-178-54	TRANSISTOR 2SC2785	
L1331	1-407-364-00	COIL, SPOOK CHOKE 3.3UH		Q449	8-729-117-54	TRANSISTOR 2SA1175	
<u>TRANSISTOR</u>				Q450	8-729-178-54	TRANSISTOR 2SC2785	
Q101	8-729-117-54	TRANSISTOR 2SA1175		Q451	8-729-117-54	TRANSISTOR 2SA1175	
Q102	8-729-117-54	TRANSISTOR 2SA1175		Q452	8-729-178-54	TRANSISTOR 2SC2785	
Q103	8-729-178-54	TRANSISTOR 2SC2785		Q453	8-729-117-54	TRANSISTOR 2SA1175	
Q104	8-729-178-54	TRANSISTOR 2SC2785		Q454	8-729-117-54	TRANSISTOR 2SA1175	
Q105	8-729-178-54	TRANSISTOR 2SC2785		Q470	8-729-117-54	TRANSISTOR 2SA1175	
Q106	8-729-117-54	TRANSISTOR 2SA1175		Q471	8-729-178-54	TRANSISTOR 2SC2785	
Q107	8-729-178-54	TRANSISTOR 2SC2785		Q472	8-729-178-54	TRANSISTOR 2SC2785	
Q108	8-729-178-54	TRANSISTOR 2SC2785		Q473	8-729-178-54	TRANSISTOR 2SC2785	
Q109	8-729-178-54	TRANSISTOR 2SC2785		Q474	8-729-178-54	TRANSISTOR 2SC2785	
Q110 A	8-729-101-54	TRANSISTOR 2SA1175TP-F		Q475	8-729-178-54	TRANSISTOR 2SC2785	
Q111	8-729-117-54	TRANSISTOR 2SA1175		Q476	8-729-178-54	TRANSISTOR 2SC2785	
Q112	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	

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.

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Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
Q1305	8-729-178-54	TRANSISTOR 2SC2785		R120	1-249-382-11	CARBON 1.2 5%	1/4W F
Q1306	8-729-178-54	TRANSISTOR 2SC2785		R121	1-247-739-11	CARBON 100 5%	1/2W F
Q1307	8-729-178-54	TRANSISTOR 2SC2785		R122	1-249-389-11	CARBON 4.7 5%	1/4W F
Q1308	8-729-178-54	TRANSISTOR 2SC2785		R123	1-249-424-11	CARBON 3.9K 5%	1/4W
Q1311	8-729-117-54	TRANSISTOR 2SA1175		R124	1-249-469-11	CARBON 100K 5%	1/4W
Q1330	8-729-117-54	TRANSISTOR 2SA1175		R125	1-249-433-11	CARBON 22K 5%	1/4W
Q1331	8-729-178-54	TRANSISTOR 2SC2785		R126	1-249-435-11	CARBON 33K 5%	1/4W
Q1332	8-729-117-54	TRANSISTOR 2SA1175		R128	1-249-405-11	CARBON 100 5%	1/4W
Q1333	8-729-117-54	TRANSISTOR 2SA1175		R129	1-249-421-11	CARBON 2.2K 5%	1/4W
Q1334	8-729-117-54	TRANSISTOR 2SA1175		R130	1-247-706-11	CARBON 330 5%	1/4W
Q1401	8-729-117-54	TRANSISTOR 2SA1175		R131	1-249-417-11	CARBON 1K 5%	1/4W
Q1402	8-729-117-54	TRANSISTOR 2SA1175		R132	1-249-417-11	CARBON 1K 5%	1/4W
Q1403	8-729-117-54	TRANSISTOR 2SA1175		R133	1-249-421-11	CARBON 2.2K 5%	1/4W
Q1404	8-729-117-54	TRANSISTOR 2SA1175		R134	1-249-421-11	CARBON 2.2K 5%	1/4W
Q1405	8-729-117-54	TRANSISTOR 2SA1175		R135	1-249-421-11	CARBON 2.2K 5%	1/4W
Q1406	8-729-117-54	TRANSISTOR 2SA1175		R136	1-249-421-11	CARBON 2.2K 5%	1/4W
Q1407	8-729-117-54	TRANSISTOR 2SA1175		R137	1-249-421-11	CARBON 2.2K 5%	1/4W
Q1408	8-729-117-54	TRANSISTOR 2SA1175		R138	1-249-421-11	CARBON 2.2K 5%	1/4W
Q1409	8-729-117-54	TRANSISTOR 2SA1175		R140	1-249-421-11	CARBON 2.2K 5%	1/4W
Q1410	8-729-117-54	TRANSISTOR 2SA1175		R141	1-249-421-11	CARBON 2.2K 5%	1/4W
Q1411	8-729-117-54	TRANSISTOR 2SA1175		R142	1-249-421-11	CARBON 2.2K 5%	1/4W
Q1412	8-729-117-54	TRANSISTOR 2SA1175		R143	1-249-421-11	CARBON 2.2K 5%	1/4W
Q1413	8-729-117-54	TRANSISTOR 2SA1175		R144	1-247-710-11	CARBON 560 5%	1/4W
Q1414	8-729-117-54	TRANSISTOR 2SA1175		R145	1-249-421-11	CARBON 2.2K 5%	1/4W
Q1415	8-729-117-54	TRANSISTOR 2SA1175		R146	1-249-421-11	CARBON 2.2K 5%	1/4W
Q1416	8-729-117-54	TRANSISTOR 2SA1175		R147	1-249-421-11	CARBON 2.2K 5%	1/4W
Q1417	8-729-117-54	TRANSISTOR 2SA1175		R148	1-249-414-11	CARBON 560 5%	1/4W
Q1418	8-729-117-54	TRANSISTOR 2SA1175		R149	1-247-883-00	CARBON 150K 5%	1/4W
Q1419	8-729-178-54	TRANSISTOR 2SC2785		R150	1-249-422-11	CARBON 2.7K 5%	1/4W
Q1420	8-729-117-54	TRANSISTOR 2SA1175		R151	1-249-424-11	CARBON 3.9K 5%	1/4W
Q1421	8-729-600-12	TRANSISTOR 2SK108		R152	1-249-421-11	CARBON 2.2K 5%	1/4W
Q1422	8-729-178-54	TRANSISTOR 2SC2785		R153	1-249-421-11	CARBON 2.2K 5%	1/4W
				R154	1-249-421-11	CARBON 2.2K 5%	1/4W
				R155	1-249-421-11	CARBON 2.2K 5%	1/4W
				R156	1-247-717-11	CARBON 2.2K 5%	1/4W
				R157	1-249-397-11	CARBON 22 5%	1/4W
				R158	1-249-397-11	CARBON 22 5%	1/4W
				R159	1-249-397-11	CARBON 22 5%	1/4W
				R160	1-249-397-11	CARBON 22 5%	1/4W
				R161	1-249-397-11	CARBON 22 5%	1/4W
				R162	1-249-397-11	CARBON 22 5%	1/4W
				R163	1-249-397-11	CARBON 22 5%	1/4W
				R164	1-249-397-11	CARBON 22 5%	1/4W
				R165	1-249-397-11	CARBON 22 5%	1/4W
				R166	1-249-397-11	CARBON 22 5%	1/4W
				R167	1-249-397-11	CARBON 22 5%	1/4W
				R168	1-249-397-11	CARBON 22 5%	1/4W
				R171	1-249-397-11	CARBON 22 5%	1/4W
				R172	1-249-397-11	CARBON 22 5%	1/4W
				R173	1-249-397-11	CARBON 22 5%	1/4W
				R176	1-249-429-11	CARBON 10K 5%	1/4W
				R177	1-249-433-11	CARBON 22K 5%	1/4W
				R178	1-249-433-11	CARBON 22K 5%	1/4W
				R179	1-249-421-11	CARBON 2.2K 5%	1/4W
R101	1-249-395-11	CARBON 15 5%	1/4W				
R102	1-249-395-11	CARBON 15 5%	1/4W				
R103	1-249-441-11	CARBON 100K 5%	1/4W				
R104	1-249-441-11	CARBON 100K 5%	1/4W				
R105	1-249-404-00	CARBON 82 5%	1/4W				
R106	1-249-413-11	CARBON 470 5%	1/4W				
R107	1-249-421-11	CARBON 2.2K 5%	1/4W				
R108	1-249-433-11	CARBON 22K 5%	1/4W				
R109	1-249-433-11	CARBON 22K 5%	1/4W				
R110	1-249-465-11	CARBON 47K 5%	1/4W				
R111	1-249-437-11	CARBON 47K 5%	1/4W				
R112	1-249-427-11	CARBON 6.8K 5%	1/4W				
R113	1-249-421-11	CARBON 2.2K 5%	1/4W				
R114	1-249-421-11	CARBON 2.2K 5%	1/4W				
R115	1-249-425-11	CARBON 4.7K 5%	1/4W				
R116	1-249-414-11	CARBON 560 5%	1/4W				
R117	1-249-429-11	CARBON 10K 5%	1/4W				
R118	1-249-429-11	CARBON 10K 5%	1/4W				
R119	1-249-441-11	CARBON 100K 5%	1/4W				

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Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
R180	1-249-421-11	CARBON	2.2K 5% 1/4W	R336	1-249-417-11	CARBON	1K 5% 1/4W
R181	1-249-421-11	CARBON	2.2K 5% 1/4W	R337	1-249-417-11	CARBON	1K 5% 1/4W
R182	1-249-421-11	CARBON	2.2K 5% 1/4W	R338	1-249-409-11	CARBON	220 5% 1/4W
R183	1-249-433-11	CARBON	22K 5% 1/4W	R339	1-249-417-11	CARBON	1K 5% 1/4W
R184	1-249-437-11	CARBON	47K 5% 1/4W	R340	1-249-417-11	CARBON	1K 5% 1/4W
R185	1-249-417-11	CARBON	1K 5% 1/4W	R341	1-249-441-11	CARBON	100K 5% 1/4W
R186	1-249-417-11	CARBON	1K 5% 1/4W	R342	1-249-441-11	CARBON	100K 5% 1/4W
R187	1-249-417-11	CARBON	1K 5% 1/4W	R343	1-249-429-11	CARBON	10K 5% 1/4W
R188	1-249-417-11	CARBON	1K 5% 1/4W	R344	1-249-441-11	CARBON	100K 5% 1/4W
R189	1-249-417-11	CARBON	1K 5% 1/4W	R345	1-249-419-11	CARBON	1.5K 5% 1/4W
R190	1-249-417-11	CARBON	1K 5% 1/4W	R346	1-249-422-11	CARBON	2.7K 5% 1/4W
R191	1-249-417-11	CARBON	1K 5% 1/4W	R347	1-247-895-00	CARBON	470K 5% 1/4W
R192	1-247-717-11	CARBON	2.2K 5% 1/4W	R348	1-215-432-00	CARBON	3K 5% 1/4W
R193	1-249-425-11	CARBON	4.7K 5% 1/4W	R349	1-215-487-00	CARBON	560K 5% 1/4W
R194	1-249-405-11	CARBON	100 5% 1/4W	R351	1-215-489-00	CARBON	680K 5% 1/4W
R195	1-249-441-11	CARBON	100K 5% 1/4W	R352	1-249-405-11	CARBON	100 5% 1/4W
R196	1-249-405-11	CARBON	100 5% 1/4W	R353	1-249-423-11	CARBON	3.3K 5% 1/4W
R198	1-249-433-11	CARBON	22K 5% 1/4W	R354	1-249-417-11	CARBON	1K 5% 1/4W
R199	1-249-437-11	CARBON	47K 5% 1/4W	R355	1-249-433-11	CARBON	22K 5% 1/4W
R301	1-249-411-11	CARBON	330 5% 1/4W	R357	1-249-416-11	CARBON	820 5% 1/4W
R302	1-249-408-11	CARBON	180 5% 1/4W	R358	1-249-424-11	CARBON	3.9K 5% 1/4W
R303	1-249-417-11	CARBON	1K 5% 1/4W	R359	1-249-413-11	CARBON	470 5% 1/4W
R304	1-249-414-11	CARBON	560 5% 1/4W	R360	1-249-418-11	CARBON	1.2K 5% 1/4W
R305	1-215-426-00	CARBON	1.6K 5% 1/4W	R381	1-249-417-11	CARBON	1K 5% 1/4W
R306	1-249-413-11	CARBON	470 5% 1/4W	R382	1-247-826-00	CARBON	620 5% 1/4W
R307	1-249-438-11	CARBON	56K 5% 1/4W	R383	1-215-430-00	CARBON	2.4K 5% 1/4W
R308	1-215-452-00	CARBON	20K 5% 1/4W	R384	1-249-419-11	CARBON	1.5K 5% 1/4W
R309	1-249-417-11	CARBON	1K 5% 1/4W	R385	1-249-434-11	CARBON	27K 5% 1/4W
R310	1-249-425-11	CARBON	4.7K 5% 1/4W	R386	1-249-432-11	CARBON	18K 5% 1/4W
R311	1-249-412-11	CARBON	390 5% 1/4W	R387	1-249-413-11	CARBON	470 5% 1/4W
R312	1-215-456-00	CARBON	30K 5% 1/4W	R388	1-249-417-11	CARBON	1K 5% 1/4W
R313	1-249-438-11	CARBON	56K 5% 1/4W	R389	1-249-416-11	CARBON	820 5% 1/4W
R314	1-249-413-11	CARBON	470 5% 1/4W	R390	1-247-822-00	CARBON	430 5% 1/4W
R315	1-249-413-11	CARBON	470 5% 1/4W	R391	1-249-411-11	CARBON	330 5% 1/4W
R316	1-249-413-11	CARBON	470 5% 1/4W	R392	1-249-405-11	CARBON	100 5% 1/4W
R317	1-249-422-11	CARBON	2.7K 5% 1/4W	R393	1-249-405-11	CARBON	100 5% 1/4W
R318	1-249-415-11	CARBON	680 5% 1/4W	R394	1-249-405-11	CARBON	100 5% 1/4W
R319	1-247-711-11	CARBON	680 5% 1/4W	R401	1-249-405-11	CARBON	100 5% 1/4W
R320	1-249-415-11	CARBON	680 5% 1/4W	R402	1-249-412-11	CARBON	390 5% 1/4W
R321	1-249-415-11	CARBON	680 5% 1/4W	R403	1-249-433-11	CARBON	22K 5% 1/4W
R322	1-249-403-11	CARBON	68 5% 1/4W	R404	1-249-416-11	CARBON	820 5% 1/4W
R323	1-249-418-11	CARBON	1.2K 5% 1/4W	R405	1-247-706-11	CARBON	330 5% 1/4W
R324	1-249-409-11	CARBON	220 5% 1/4W	R407	1-249-409-11	CARBON	220 5% 1/4W
R325	1-249-409-11	CARBON	220 5% 1/4W	R409	1-249-409-11	CARBON	220 5% 1/4W
R326	1-249-421-11	CARBON	2.2K 5% 1/4W	R410	1-249-429-11	CARBON	10K 5% 1/4W
R327	1-249-415-11	CARBON	680 5% 1/4W	R411	1-249-429-11	CARBON	10K 5% 1/4W
R328	1-249-411-11	CARBON	330 5% 1/4W	R412	1-249-405-11	CARBON	100 5% 1/4W
R329	1-249-415-11	CARBON	680 5% 1/4W	R413	1-249-409-11	CARBON	220 5% 1/4W
R330	1-249-437-11	CARBON	47K 5% 1/4W	R414	1-247-704-11	CARBON	220 5% 1/4W
R331	1-249-433-11	CARBON	22K 5% 1/4W	R415	1-247-704-11	CARBON	220 5% 1/4W
R333	1-249-409-11	CARBON	220 5% 1/4W	R416	1-247-704-11	CARBON	220 5% 1/4W
R334	1-249-409-11	CARBON	220 5% 1/4W	R418	1-249-405-11	CARBON	100 5% 1/4W
R335	1-249-417-11	CARBON	1K 5% 1/4W	R419	1-215-493-00	CARBON	1M 5% 1/4W

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Ref.No.	Part No.	Description	Quantity	Unit	Power	Remark	Ref.No.	Part No.	Description	Quantity	Unit	Power	Remark
R420	1-247-725-11	CARBON	10K	5%	1/4W		R1302	1-249-431-11	CARBON	15K	5%	1/4W	
R421	1-247-162-00	CARBON	20K	5%	1/4W		R1303	1-249-430-11	CARBON	12K	5%	1/4W	
R422	1-247-725-11	CARBON	10K	5%	1/4W		R1304	1-247-881-00	CARBON	120K	5%	1/4W	
R423	1-247-172-00	CARBON	51K	5%	1/4W		R1305	1-247-887-00	CARBON	220K	5%	1/4W	
R424	1-249-432-11	CARBON	18K	5%	1/4W		R1306	1-247-887-00	CARBON	220K	5%	1/4W	
R425	1-247-725-11	CARBON	10K	5%	1/4W		R1307	1-249-433-11	CARBON	22K	5%	1/4W	
R426	1-247-704-11	CARBON	220	5%	1/4W		R1308	1-249-429-11	CARBON	10K	5%	1/4W	
R440	1-249-421-11	CARBON	2.2K	5%	1/4W		R1309	1-249-433-11	CARBON	22K	5%	1/4W	
R441	1-249-423-11	CARBON	3.3K	5%	1/4W		R1310	1-249-433-11	CARBON	22K	5%	1/4W	
R442	1-249-437-11	CARBON	47K	5%	1/4W		R1311	1-249-417-11	CARBON	1K	5%	1/4W	
R443	1-249-435-11	CARBON	33K	5%	1/4W		R1312	1-249-429-11	CARBON	10K	5%	1/4W	
R444	1-215-460-00	CARBON	43K	5%	1/4W		R1313	1-249-429-11	CARBON	10K	5%	1/4W	
R445	1-249-426-11	CARBON	5.6K	5%	1/4W		R1314	1-249-434-11	CARBON	27K	5%	1/4W	
R452	1-249-441-11	CARBON	100K	5%	1/4W		R1315	1-249-424-11	CARBON	3.9K	5%	1/4W	
R453	1-249-411-11	CARBON	330	5%	1/4W		R1316	1-249-409-11	CARBON	220	5%	1/4W	
R454	1-249-416-11	CARBON	820	5%	1/4W		R1317	1-249-433-11	CARBON	22K	5%	1/4W	
R455	1-249-409-11	CARBON	220	5%	1/4W		R1318	1-249-419-11	CARBON	1.5K	5%	1/4W	
R457	1-249-424-11	CARBON	3.9K	5%	1/4W		R1319	1-249-411-11	CARBON	330	5%	1/4W	
R459	1-249-429-11	CARBON	10K	5%	1/4W		R1320	1-249-405-11	CARBON	100	5%	1/4W	
R460	1-249-423-11	CARBON	3.3K	5%	1/4W		R1321	1-249-421-11	CARBON	2.2K	5%	1/4W	
R461	1-249-423-11	CARBON	3.3K	5%	1/4W		R1322	1-249-421-11	CARBON	2.2K	5%	1/4W	
R470	1-249-460-11	CARBON	15K	5%	1/4W		R1323	1-247-891-00	CARBON	330K	5%	1/4W	
R472	1-247-713-11	CARBON	1K	5%	1/4W		R1324	1-247-891-00	CARBON	330K	5%	1/4W	
R473	1-249-417-11	CARBON	1K	5%	1/4W		R1325	1-249-417-11	CARBON	1K	5%	1/4W	
R474	1-249-417-11	CARBON	1K	5%	1/4W		R1326A	1-216-349-51	METAL OXIDE	1	5%	1W	F
R475	1-249-409-11	CARBON	220	5%	1/4W		R1327	1-249-401-11	CARBON	47	5%	1/4W	
R476	1-249-425-11	CARBON	4.7K	5%	1/4W		R1328	1-249-401-11	CARBON	47	5%	1/4W	
R477	1-249-425-11	CARBON	4.7K	5%	1/4W		R1329	1-249-401-11	CARBON	47	5%	1/4W	
R479	1-249-435-11	CARBON	33K	5%	1/4W		R1330	1-249-435-11	CARBON	33K	5%	1/4W	
R480	1-249-409-11	CARBON	220	5%	1/4W		R1331	1-249-431-11	CARBON	15K	5%	1/4W	
R481	1-249-409-11	CARBON	220	5%	1/4W		R1332	1-249-433-11	CARBON	22K	5%	1/4W	
R482	1-215-438-00	CARBON	5.1K	5%	1/4W		R1333	1-249-427-11	CARBON	6.8K	5%	1/4W	
R483	1-249-409-11	CARBON	220	5%	1/4W		R1334	1-249-421-11	CARBON	2.2K	5%	1/4W	
R484	1-249-441-11	CARBON	100K	5%	1/4W		R1335	1-249-405-11	CARBON	100	5%	1/4W	
R485	1-247-891-00	CARBON	330K	5%	1/4W		R1336	1-249-429-11	CARBON	10K	5%	1/4W	
R486	1-249-429-11	CARBON	10K	5%	1/4W		R1337	1-249-429-11	CARBON	10K	5%	1/4W	
R487	1-249-417-11	CARBON	1K	5%	1/4W		R1338	1-247-710-11	CARBON	560	5%	1/4W	
R488	1-247-887-00	CARBON	220K	5%	1/4W		R1339	1-249-413-11	CARBON	470	5%	1/4W	
R489	1-249-427-11	CARBON	6.8K	5%	1/4W		R1340	1-249-409-11	CARBON	220	5%	1/4W	
R490	1-249-417-11	CARBON	1K	5%	1/4W		R1341	1-249-411-11	CARBON	330	5%	1/4W	
R491	1-249-429-11	CARBON	10K	5%	1/4W		R1342	1-247-710-11	CARBON	560	5%	1/4W	
R492	1-249-417-11	CARBON	1K	5%	1/4W		R1343	1-249-424-11	CARBON	3.9K	5%	1/4W	
R493	1-249-405-11	CARBON	100	5%	1/4W		R1344	1-249-437-11	CARBON	47K	5%	1/4W	
R494	1-249-433-11	CARBON	22K	5%	1/4W		R1345	1-215-491-00	CARBON	820K	5%	1/4W	
R495	1-249-429-11	CARBON	10K	5%	1/4W		R1346	1-202-730-00	SOL ID	8.2M	10%	1/2W	
R496	1-249-430-11	CARBON	12K	5%	1/4W		R1347	1-249-422-11	CARBON	2.7K	5%	1/4W	
R497	1-215-434-00	CARBON	3.6K	5%	1/4W		R1348	1-249-409-11	CARBON	220	5%	1/4W	
R498	1-249-421-11	CARBON	2.2K	5%	1/4W		R1349	1-249-423-11	CARBON	3.3K	5%	1/4W	
R499	1-249-429-11	CARBON	10K	5%	1/4W		R1350A	1-215-471-91	METAL	120K	1%	1/6W	
R1101	1-249-441-11	CARBON	100K	5%	1/4W		R1401	1-249-423-11	CARBON	3.3K	5%	1/4W	
R1102	1-247-719-11	CARBON	3.3K	5%	1/4W		R1402	1-249-423-11	CARBON	3.3K	5%	1/4W	
R1103	1-249-441-11	CARBON	100K	5%	1/4W		R1404	1-249-423-11	CARBON	3.3K	5%	1/4W	
R1104	1-249-433-11	CARBON	22K	5%	1/4W								
R1301	1-247-704-11	CARBON	220	5%	1/4W								

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.

B1 **B2**

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
R1405	1-249-418-11	CARBON	1.2K 5% 1/4W		*1-619-318-11	B2 BOARD *****	
R1406	1-249-417-11	CARBON	1K 5% 1/4W				
R1407	1-249-417-11	CARBON	1K 5% 1/4W				
R1408	1-249-405-11	CARBON	100 5% 1/4W				
R1409	1-249-405-11	CARBON	100 5% 1/4W				
						<u>CAPACITOR</u>	
R1410	1-249-405-11	CARBON	100 5% 1/4W	C309	1-101-006-00	CERAMIC 0.047MF	50V
R1411	1-215-409-00	METAL	330 1% 1/6W	C310	1-123-318-00	ELECT 33MF	20% 16V
R1412	1-249-417-11	CARBON	1K 5% 1/4W	C313	1-126-101-11	ELECT 100MF	20% 10V
R1413	1-214-727-00	METAL	820 1% 1/4W	C314	1-102-963-00	CERAMIC 33PF	5% 50V
R1414	1-214-727-00	METAL	820 1% 1/4W	C315	1-126-101-11	ELECT 100MF	20% 10V
R1415	1-247-838-00	CARBON	2K 5% 1/4W	C322	1-102-971-00	CERAMIC 82PF	5% 50V
R1416	1-249-417-11	CARBON	1K 5% 1/4W	C323	1-126-101-11	ELECT 100MF	20% 10V
R1417	1-215-409-00	METAL	330 1% 1/6W			<u>DELAY LINE</u>	
R1418	1-215-409-00	METAL	330 1% 1/6W	DL303	1-415-509-11	DELAY LINE	
R1419	1-215-409-00	METAL	330 1% 1/6W	DL304	1-415-509-11	DELAY LINE	
R1420	1-215-409-00	METAL	330 1% 1/6W			<u>CONNECTOR</u>	
R1421	1-249-418-11	CARBON	1.2K 5% 1/4W	P201	*1-562-516-11	CONNECTOR, BOARD TO BOARD 5P	
R1422	1-249-429-11	CARBON	10K 5% 1/4W			<u>TRANSISTOR</u>	
R1423	1-249-423-11	CARBON	3.3K 5% 1/4W	Q310	8-729-178-54	TRANSISTOR 2SC2785	
R1424	1-249-436-11	CARBON	39K 5% 1/4W	Q311	8-729-117-54	TRANSISTOR 2SA1175	
R1425	1-249-432-11	CARBON	18K 5% 1/4W	Q312	8-729-117-54	TRANSISTOR 2SA1175	
R1426	1-249-421-11	CARBON	2.2K 5% 1/4W	Q319	8-729-117-54	TRANSISTOR 2SA1175	
R1427	1-249-421-11	CARBON	2.2K 5% 1/4W	Q320	8-729-178-54	TRANSISTOR 2SC2785	
R1428	1-249-416-11	CARBON	820 5% 1/4W	Q321	8-729-178-54	TRANSISTOR 2SC2785	
R1429	1-215-421-00	METAL	1K 1% 1/6W			<u>RESISTOR</u>	
R1430	1-215-432-00	METAL	3K 1% 1/6W	R361	1-249-424-11	CARBON 3.9K 5%	1/4W
R1431	1-249-429-11	CARBON	10K 5% 1/4W	R362	1-249-433-11	CARBON 22K 5%	1/4W
R1432	1-249-429-11	CARBON	10K 5% 1/4W	R363	1-249-421-11	CARBON 2.2K 5%	1/4W
R1433	1-249-441-11	CARBON	100K 5% 1/4W	R364	1-249-417-11	CARBON 1K 5%	1/4W
				R365	1-249-417-11	CARBON 1K 5%	1/4W
		<u>VARIABLE RESISTOR</u>		R366	1-249-418-11	CARBON 1.2K 5%	1/4W
RV301	1-228-718-00	RES, ADJ, CERAMIC CARBON	330	R367	1-249-417-11	CARBON 1K 5%	1/4W
RV401	1-228-724-00	RES, ADJ, CERAMIC CARBON	10K	R368	1-249-417-11	CARBON 1K 5%	1/4W
RV402	1-228-724-00	RES, ADJ, CERAMIC CARBON	10K	R369	1-249-417-11	CARBON 1K 5%	1/4W
RV403	1-228-724-00	RES, ADJ, CERAMIC CARBON	10K	R370	1-249-421-11	CARBON 2.2K 5%	1/4W
RV471	1-228-724-00	RES, ADJ, CERAMIC CARBON	10K	R371	1-249-417-11	CARBON 1K 5%	1/4W
RV472	1-228-724-00	RES, ADJ, CERAMIC CARBON	10K	R372	1-249-420-11	CARBON 1.8K 5%	1/4W
RV1401	1-228-719-00	RES, ADJ, CERAMIC CARBON	470	R373	1-249-421-11	CARBON 2.2K 5%	1/4W
RV1402	1-228-719-00	RES, ADJ, CERAMIC CARBON	470	R374	1-249-414-11	CARBON 560 5%	1/4W
RV1403	1-228-724-00	RES, ADJ, CERAMIC CARBON	10K	R375	1-249-419-11	CARBON 1.5K 5%	1/4W
		<u>TRANSFORMER</u>		R376	1-249-412-11	CARBON 390 5%	1/4W
T301	1-425-786-00	TRANSFORMER, BANDPASS (BPT)		R377	1-249-412-11	CARBON 390 5%	1/4W
		<u>CRYSTAL</u>		R378	1-249-421-11	CARBON 2.2K 5%	1/4W
X101	1-567-192-11	OSCILLATOR, CERAMIC		R379	1-249-435-11	CARBON 33K 5%	1/4W
X401	1-527-722-00	OSCILLATOR, CRYSTAL		R380	1-249-431-11	CARBON 15K 5%	1/4W

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Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
	*1-619-285-11	F BOARD *****		T603	1-448-755-11	TRANSFORMER, POWER	
		<u>CAPACITOR</u>				<u>THERMISTOR</u>	
C601	1-136-346-11	FILM 0.22MF 20% 125V		THP601	1-806-214-21	THERMISTOR (POSITIVE)	
C602	1-136-346-11	FILM 0.22MF 20% 125V		THP602	1-800-686-42	THERMISTOR (POSITIVE)	
C603	1-162-578-51	CERAMIC 0.0047MF 20% 400V		*****			
C604	1-162-578-51	CERAMIC 0.0047MF 20% 400V			*1-613-423-11	GA BOARD *****	
C605	1-162-578-00	CERAMIC 0.0047MF 20% 400V				<u>CAPACITOR</u>	
C606	1-162-578-00	CERAMIC 0.0047MF 20% 400V		C652	1-136-103-00	FILM 0.1MF 5% 200V	
C607	1-125-295-00	ELECT(BLOCK) 560MF 20% 200V		C654	1-136-103-00	FILM 0.1MF 5% 200V	
C608	1-125-295-00	ELECT(BLOCK) 560MF 20% 200V		C655	1-136-131-00	FILM 0.12MF 5% 400V	
C611	1-162-578-51	CERAMIC 0.0047MF 20% 400V		C656	1-162-578-00	CERAMIC 0.0047MF 20% 400V	
C612	1-162-578-51	CERAMIC 0.0047MF 20% 400V		C671	1-136-120-00	FILM 0.22MF 5% 400V	
		<u>DIODE</u>		C672	1-162-318-11	CERAMIC 0.001MF 10% 500V	
D601	8-719-911-55	DIODE U05G		C673	1-162-318-11	CERAMIC 0.001MF 10% 500V	
D602	8-719-911-55	DIODE U05G		C675	1-162-318-11	CERAMIC 0.001MF 10% 500V	
D603	8-719-938-40	DIODE SIB01-02TPI		C677	1-162-318-11	CERAMIC 0.001MF 10% 500V	
		<u>CONNECTOR</u>		C680	1-102-030-00	CERAMIC 330PF 10% 500V	
F1	*1-508-765-00	3P PLUG (M)		C681	1-102-030-00	CERAMIC 330PF 10% 500V	
F2	*1-566-063-11	PIN, CONNECTOR 11P				<u>DIODE</u>	
F3	*1-508-765-00	3P PLUG (M)		D651	8-719-302-11	DIODE RM2CSS	
F4	*1-508-765-00	3P PLUG (M)		D652	8-719-918-77	DIODE V19G	
F5	*1-508-784-00	1P PLUG		D653	8-719-302-11	DIODE RM2CSS	
F6	*1-506-371-00	2P PLUG (L)		D654	8-719-918-77	DIODE V19G	
F7	*1-508-765-00	3P PLUG (M)				<u>CONNECTOR</u>	
F8	*1-506-348-XX	4P PLUG		G4	*1-508-765-00	3P PLUG (M)	
F9	*1-508-784-00	1P PLUG				<u>COIL</u>	
F10	*1-506-348-XX	3P PLUG (L)		L651	1-425-612-00	COIL, ARE-CORE	
F11	*1-508-784-00	1P PLUG		L652	1-425-612-00	COIL, ARE-CORE	
		<u>FUSE</u>		L660	1-425-612-00	COIL, ARE-CORE	
F601	1-532-627-11	FUSE, GLASS TUBE 7A/125V		L661	1-425-612-00	COIL, ARE-CORE	
	1-533-190-11	CLIP, FUSE; F601				<u>TRANSISTOR</u>	
		<u>COIL</u>		Q651	8-729-905-49	TRANSISTOR 2SC3163-T	
L601	1-407-780-00	COIL, SPOOK CHOKE			4-374-104-01	HOLDER, TR; Q651	
		<u>RESISTOR</u>			4-374-108-01	SPACER, MICA; Q651	
R601	1-202-719-91	SOLID 1M 10% 1/2W		Q652	8-729-905-49	TRANSISTOR 2SC3163-T	
R602	1-202-723-91	SOLID 2.2M 10% 1/2W			4-374-104-01	HOLDER, TR; Q652	
R603	1-244-923-00	CARBON 120K 5% 1/2W			4-374-108-01	SPACER, MICA; Q652	
R604	1-244-923-00	CARBON 120K 5% 1/2W				<u>RESISTOR</u>	
		<u>RELAY</u>		R651	1-215-926-00	METAL OXIDE 33K 5% 3W F	
RL601	1-515-579-11	RELAY		R652	1-215-926-00	METAL OXIDE 33K 5% 3W F	
		<u>TRANSFORMER</u>		R653	1-202-846-00	SOLID 470K 10% 1/2W	
T601	1-421-730-11	LFT		R655	1-206-439-00	METAL OXIDE 1 5% 2W F	
T602	1-421-730-11	LFT		R656	1-206-439-00	METAL OXIDE 1 5% 2W F	

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Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
R660	1-202-846-00	SOLID	470K 10% 1/2W	L654	1-407-365-00	COIL, CHOKE	
R662	△.1-207-451-11	WIREWOUND	0.1 10% 1/2W	L655	1-407-364-00	COIL, SPOOK CHOKE 3.3UH	
<u>TRANSFORMER</u>				L656	1-459-406-00	COIL (WITH CORE)	
T651	△.1-421-695-11	CDT		L657	1-408-225-00	INDUCTOR 3.3UH	
T652	△.1-421-710-11	PRT		L658	1-407-365-00	COIL, CHOKE	
*****				L659	1-407-780-00	COIL, SPOOK CHOKE	
*1-613-424-11	GB BOARD	*****		L662	1-407-720-00	CHOKE COIL	
*3-701-946-22	LABEL, FUSE			<u>RESISTOR</u>			
<u>CAPACITOR</u>				R657	△.1-206-700-61	METAL OXIDE 33K 5% 2W F	
C656	1-106-367-00	MYLAR	0.01MF 10% 100V	R658	△.1-246-987-11	CARBON 47 5% 1/8W F	
C658	1-124-125-91	ELECT	22MF 20% 25V	R659	△.1-246-987-11	CARBON 47 5% 1/8W F	
C659	1-129-710-00	FILM	0.0047MF 10% 630V	R661	△.1-202-653-15	SOLID 2.2M 5% 1/2W	
C660	1-129-710-00	FILM	0.0047MF 10% 630V	<u>TRANSFORMER</u>			
C661	1-136-240-11	FILM	0.014MF 5% 1KV	T653	△.1-421-894-11	PIT	
C662	△.1-125-294-11	ELECT(BLOCK)	560MF 20% 160V	*****			
C663	1-162-318-11	CERAMIC	0.001MF 10% 500V	*A-1330-784-A	C BOARD, COMPLETE	*****	
C664	1-162-318-11	CERAMIC	0.001MF 10% 500V	1-526-644-71	SOCKET, CRT		
C665	△.1-123-338-51	ELECT	2200MF 20% 25V	4-812-554-00	WASHER		
C666	△.1-123-324-51	ELECT	1000MF 20% 16V	<u>CONNECTOR</u>			
C667	1-162-318-11	CERAMIC	0.001MF 10% 500V	C1	△.1-506-371-21	2P PLUG (L)	
C668	1-162-318-11	CERAMIC	0.001MF 10% 500V	C2	*1-566-054-11	PIN, CONNECTOR 2P	
C669	△.1-123-877-51	ELECT	470MF 20% 35V	C3	*1-566-055-11	PIN, CONNECTOR 3P	
C670	△.1-123-877-51	ELECT	470MF 20% 35V	C5	*1-566-061-11	PIN, CONNECTOR 9P	
C682	1-101-006-00	CERAMIC	0.047MF 50V	C6	*1-566-054-11	PIN, CONNECTOR 2P	
C684	1-124-791-11	ELECT	1MF 20% 50V	C7	*1-508-768-00	6P PLUG	
<u>DIODE</u>				C8	*1-508-784-00	1P PLUG	
D655	8-719-300-09	DIODE CTU-24S		<u>CAPACITOR</u>			
	*4-347-706-00	HEAT SINK (TR); D655		C701	1-162-115-00	CERAMIC 330PF 10% 2KV	
D656	△.8-719-301-09	DIODE CTL-12S		C702	1-129-779-00	FILM 0.022MF 20% 1KV	
D657	8-719-982-04	DIODE ERB81-004		C703	1-123-383-00	ELECT 4.7MF 20% 100V	
D658	△.8-719-301-09	DIODE CTL-12S		C704	1-123-948-00	ELECT 22MF 20% 250V	
D659	△.8-719-301-09	DIODE CTL-12S		C705	1-106-387-00	MYLAR 0.1MF 10% 200V	
D661	8-719-982-04	DIODE ERB81-004		C706	1-106-387-00	MYLAR 0.1MF 10% 200V	
<u>FUSE</u>				C707	1-102-116-00	CERAMIC 680PF 10% 50V	
F651	△.1-532-593-11	FUSE, GLASS TUBE 1.6A/125V		C708	1-102-116-00	CERAMIC 680PF 10% 50V	
<u>CONNECTOR</u>				C709	1-102-116-00	CERAMIC 680PF 10% 50V	
G5	*1-508-765-00	3P PLUG (M)		C710	1-102-115-00	CERAMIC 560PF 10% 50V	
<u>MODULE</u>				C711	1-123-356-00	ELECT 10MF 20% 25V	
IC651	△.1-235-445-11	MODULE, POWER (DM-21)		C712	1-102-115-00	CERAMIC 560PF 10% 50V	
<u>COIL</u>				C713	1-102-116-00	CERAMIC 680PF 10% 50V	
L653	1-407-780-00	COIL, SPOOK CHOKE		C714	1-123-321-00	ELECT 220MF 20% 16V	
				C715	1-102-125-00	CERAMIC 0.0047MF 10% 50V	
				C718	1-102-125-00	CERAMIC 0.0047MF 10% 50V	
				C723	1-108-634-81	MYLAR 0.047MF 10% 100V	
				C753	1-102-971-00	CERAMIC 82PF 5% 50V	
				C754	1-108-617-91	MYLAR 0.0018MF 10% 100V	
				C755	1-123-356-00	ELECT 10MF 20% 25V	

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Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
C756	1-106-367-00	MYLAR 0.01MF	10% 100V	Q751	8-729-178-54	TRANSISTOR 2SC2785	
C757	1-106-367-00	MYLAR 0.01MF	10% 100V	Q752	8-729-178-54	TRANSISTOR 2SC2785	
C758	1-102-963-00	CERAMIC 33PF	5% 50V	Q753	8-729-178-54	TRANSISTOR 2SC2785	
C759	1-102-963-00	CERAMIC 33PF	5% 50V	Q754	8-729-177-43	TRANSISTOR 2SD774	
C760	1-108-614-91	MYLAR 0.001MF	10% 100V	Q755	8-729-178-54	TRANSISTOR 2SC2785	
C762	1-106-367-00	MYLAR 0.01MF	10% 100V	Q756	8-729-374-02	TRANSISTOR 2SB740	
C763	1-123-356-00	ELECT 10MF	20% 50V	Q757	8-729-177-42	TRANSISTOR 2SD774-3	
C764	1-106-220-00	MYLAR 0.1MF	10% 100V				
C765	1-123-380-00	ELECT 1MF	20% 50V				
C766	1-124-122-11	ELECT 100MF	20% 50V				
<u>DIODE</u>				<u>RESISTOR</u>			
D701	8-719-911-19	DIODE 1SS119		R701	1-212-352-61	METAL OXIDE 0.22 5% 1W	F
D702	8-719-911-19	DIODE 1SS119		R702	1-202-846-00	SOL ID 470K 10% 1/2W	
D703	8-719-911-19	DIODE 1SS119		R703	1-202-844-00	SOL ID 330K 10% 1/2W	
D704	8-719-911-19	DIODE 1SS119		R704	1-202-815-11	SOL ID 47K 10% 1/2W	
D705	8-719-911-19	DIODE 1SS119		R705	1-202-846-00	SOL ID 470K 10% 1/2W	
D706	8-719-911-19	DIODE 1SS119		R706	1-202-720-00	SOL ID 1.2M 10% 1/2W	
D707	8-719-911-19	DIODE 1SS119		R707	1-202-842-11	SOL ID 220K 10% 1/2W	
D708	8-719-911-19	DIODE 1SS119		R708	1-202-818-00	SOL ID 1K 10% 1/2W	
D709	8-719-911-19	DIODE 1SS119		R709	1-202-818-00	SOL ID 1K 10% 1/2W	
D710	8-719-901-83	DIODE 1SS83		R710	1-202-818-00	SOL ID 1K 10% 1/2W	
D711	8-719-901-83	DIODE 1SS83		R711	1-202-549-00	SOL ID 100 10% 1/2W	
D712	8-719-901-83	DIODE 1SS83		R712	1-202-543-00	SOL ID 56 10% 1/2W	
D713	8-719-901-83	DIODE 1SS83		R713	1-216-486-00	METAL OXIDE 8.2K 5% 3W	F
D751	8-719-911-19	DIODE 1SS119		R714	1-249-409-11	CARBON 220 5% 1/4W	
D752	8-719-911-19	DIODE 1SS119		R715	1-249-429-11	CARBON 10K 5% 1/4W	
<u>COIL</u>				R716	1-216-486-00	METAL OXIDE 8.2K 5% 3W	F
L701	1-407-701-00	INDUCTOR 47UH		R717	1-249-409-11	CARBON 220 5% 1/4W	
L702	1-407-708-00	INDUCTOR 180UH		R720	1-216-486-00	METAL OXIDE 8.2K 5% 3W	F
L703	1-407-706-00	INDUCTOR 120UH		R721	1-249-409-11	CARBON 220 5% 1/4W	
L704	1-407-694-00	INDUCTOR 12UH		R722	1-249-405-11	CARBON 100 5% 1/4W	
L705	1-407-696-00	INDUCTOR 18UH		R723	1-247-700-11	CARBON 100 5% 1/4W	
L706	1-407-709-00	INDUCTOR 220UH		R724	1-249-405-11	CARBON 100 5% 1/4W	
L707	1-407-695-00	INDUCTOR 15UH		R725	1-249-429-11	CARBON 10K 5% 1/4W	
L721	1-408-413-00	INDUCTOR 22UH		R726	1-249-408-11	CARBON 180 5% 1/4W	
L751	1-408-399-00	INDUCTOR 1.5UH		R727	1-249-429-11	CARBON 10K 5% 1/4W	
<u>TRANSISTOR</u>				R728	1-249-408-11	CARBON 180 5% 1/4W	
Q701	8-729-326-11	TRANSISTOR 2SC2611		R729	1-249-441-11	CARBON 100K 5% 1/4W	
Q702	8-729-178-54	TRANSISTOR 2SC2785		R730	1-215-402-00	CARBON 160 5% 1/4W	
Q703	8-729-200-17	TRANSISTOR 2SA1091		R731	1-247-719-11	CARBON 3.3K 5% 1/4W	F
Q704	8-729-326-11	TRANSISTOR 2SC2611		R732	1-247-719-11	CARBON 3.3K 5% 1/4W	F
Q705	8-729-178-54	TRANSISTOR 2SC2785		R733	1-247-719-11	CARBON 3.3K 5% 1/4W	F
Q706	8-729-200-17	TRANSISTOR 2SA1091		R734	1-247-715-11	CARBON 1.5K 5% 1/4W	
Q707	8-729-200-17	TRANSISTOR 2SA1091		R735	1-246-476-00	CARBON 1.3K 5% 1/4W	
Q708	8-729-326-11	TRANSISTOR 2SC2611		R736	1-246-476-00	CARBON 1.3K 5% 1/4W	
Q709	8-729-178-54	TRANSISTOR 2SC2785		R737	1-249-441-11	CARBON 100K 5% 1/4W	
Q710	8-729-255-12	TRANSISTOR 2SC2551		R739	1-247-881-00	CARBON 120K 5% 1/4W	
Q712	8-729-255-12	TRANSISTOR 2SC2551		R740	1-215-902-51	METAL OXIDE 47K 5% 2W	F
Q714	8-729-200-17	TRANSISTOR 2SA1091		R741	1-249-438-11	CARBON 56K 5% 1/4W	
Q715	8-729-200-17	TRANSISTOR 2SA1091		R742	1-247-725-11	CARBON 10K 5% 1/4W	F
Q716	8-729-200-17	TRANSISTOR 2SA1091		R743	1-247-725-11	CARBON 10K 5% 1/4W	F
				R744	1-247-725-11	CARBON 10K 5% 1/4W	F
				R745	1-247-713-51	CARBON 1K 5% 1/4W	F
				R746	1-215-879-51	METAL OXIDE 47K 5% 1W	F
				R747	1-247-725-11	CARBON 10K 5% 1/4W	F

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Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
R751	1-247-704-11	CARBON	220 5% 1/4W	C2521	1-130-495-00	MYLAR	0.1MF 10% 50V
R752	1-249-409-11	CARBON	220 5% 1/4W	C2522	1-123-332-00	ELECT	47MF 20% 25V
R753	1-249-418-11	CARBON	1.2K 5% 1/4W	C2523	1-108-637-00	MYLAR	0.082MF 10% 100V
R754	1-249-412-11	CARBON	390 5% 1/4W	C2524	1-106-222-00	MYLAR	0.12MF 10% 100V
R755	1-215-871-51	METAL OXIDE	2.2K 5% 1W F	C2525	1-123-379-00	ELECT	0.47MF 20% 50V
R756	1-249-414-11	CARBON	560 5% 1/4W	C2526	1-108-634-81	MYLAR	0.047MF 10% 100V
R757	1-249-426-11	CARBON	5.6K 5% 1/4W	C2527	1-108-614-91	MYLAR	0.001MF 10% 100V
R758	1-249-435-11	CARBON	33K 5% 1/4W	C2530	1-106-224-00	MYLAR	0.15MF 10% 100V
R759	1-249-393-11	CARBON	10 5% 1/4W F	C2532	1-106-367-00	MYLAR	0.01MF 10% 100V
R760	1-249-411-11	CARBON	330 5% 1/4W	C2535	1-108-630-91	MYLAR	0.022MF 10% 100V
R761	1-249-409-11	CARBON	220 5% 1/4W	C2536	1-123-379-00	ELECT	0.47MF 20% 50V
R762	1-249-409-11	CARBON	220 5% 1/4W	C2537	1-123-332-00	ELECT	47MF 20% 25V
R763	1-249-437-11	CARBON	47K 5% 1/4W	C2538	1-123-369-00	ELECT	4.7MF 20% 50V
R764	1-249-397-11	CARBON	22 5% 1/4W F	CONNECTOR			
R765	1-249-417-11	CARBON	1K 5% 1/4W	D21	*1-566-058-11	PIN, CONNECTOR 6P	
R766	1-249-435-11	CARBON	33K 5% 1/4W	D22	*1-508-767-00	5P PLUG	
R767	1-249-441-11	CARBON	100K 5% 1/4W	D23	*1-508-766-00	4P PLUG (M)	
R768	1-249-435-11	CARBON	33K 5% 1/4W	D24	*1-508-765-00	3P PLUG (M)	
R769	1-249-417-11	CARBON	1K 5% 1/4W	D25	*1-508-784-00	1P PLUG	
R770	1-249-389-11	CARBON	4.7 5% 1/4W F	D26	*1-566-054-11	PIN, CONNECTOR 2P	
R771	1-249-389-11	CARBON	4.7 5% 1/4W F	DIODE			
R772	1-249-402-11	CARBON	56 5% 1/4W	D2501	8-719-911-19	DIODE 1SS119	
VARIABLE RESISTOR				D2502	8-719-200-02	DIODE 10E2	
RV701	1-226-157-00	RES, ADJ, METAL GLAZE 1M		D2503	8-719-200-02	DIODE 10E2	
RV703	1-228-729-00	RES, ADJ, CERAMIC CARBON 220K		D2504	8-719-911-19	DIODE 1SS119	
RV705	1-228-727-00	RES, ADJ, CERAMIC CARBON 47K		D2505	8-719-911-19	DIODE 1SS119	
RV706	1-228-724-00	RES, ADJ, CERAMIC CARBON 10K		D2506	8-719-200-02	DIODE 10E2	
*****				D2507	8-719-110-51	DIODE RD20ES-B	
*A-1340-936-A	D2 BOARD, COMPLETE			COIL			
	*****			L2501	1-407-877-00	INDUCTOR 15MMH	
CAPACITOR				L2502	1-459-119-00	COIL, DUST CORE(ARC)	
C2501	1-108-618-91	MYLAR	0.0022MF 10% 100V	L2503	1-407-504-00	INDUCTOR 10MMH	
C2502	1-108-632-81	MYLAR	0.033MF 10% 100V	L2504	1-459-583-11	COIL (WITH CORE)	
C2503	1-108-620-91	MYLAR	0.0033MF 10% 100V	L2505	1-443-012-00	TRANSFORMER, DYNAMIC CONVERSION	
C2504	1-102-074-00	CERAMIC	0.001MF 10% 50V	L2506	1-459-123-00	COIL, DUST CORE(PAC)	
C2505	1-106-367-00	MYLAR	0.01MF 10% 100V	TRANSISTOR			
C2506	1-108-620-91	MYLAR	0.0033MF 10% 100V	Q2501	8-729-178-54	TRANSISTOR 2SC2785	
C2507	1-106-367-00	MYLAR	0.01MF 10% 100V	Q2502	8-729-178-54	TRANSISTOR 2SC2785	
C2508	1-123-379-00	ELECT	0.47MF 20% 50V	Q2503	8-729-178-54	TRANSISTOR 2SC2785	
C2509	1-123-356-00	ELECT	10MF 20% 50V	Q2504	8-729-178-54	TRANSISTOR 2SC2785	
C2510	1-123-356-00	ELECT	10MF 20% 50V	Q2505	8-729-178-54	TRANSISTOR 2SC2785	
C2511	1-123-359-00	ELECT	47MF 20% 50V	Q2506	8-729-122-02	TRANSISTOR 2SA1220A	
C2512	1-123-359-00	ELECT	47MF 20% 50V	Q2507	8-729-169-02	TRANSISTOR 2SC2690A	
C2513	1-123-357-00	ELECT	22MF 20% 50V	Q2510	8-729-195-82	TRANSISTOR 2SC2958	
C2514	1-123-361-00	ELECT	220MF 20% 50V	Q2511	8-729-101-54	TRANSISTOR 2SA1175TP-F	
C2515	1-123-333-00	ELECT	100MF 20% 25V	Q2512	8-729-122-02	TRANSISTOR 2SA1220A	
C2516	1-123-360-00	ELECT	100MF 20% 50V	Q2515	8-729-117-54	TRANSISTOR 2SA1175	
C2517	1-129-701-00	FILM	0.01MF 5% 100V	Q2516	8-729-178-54	TRANSISTOR 2SC2785	
C2518	1-102-231-11	CERAMIC	47PF 10% 500V				
C2520	1-123-380-00	ELECT	1MF 20% 50V				

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Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
RESISTOR							
R2501	1-249-435-11	CARBON	33K 5% 1/4W	R2560	1-249-430-11	CARBON	12K 5% 1/4W
R2502	1-249-429-11	CARBON	10K 5% 1/4W	R2561	1-249-429-11	CARBON	10K 5% 1/4W
R2503	1-249-435-11	CARBON	33K 5% 1/4W	R2562	1-247-704-11	CARBON	220 5% 1/4W
R2504	1-249-429-11	CARBON	10K 5% 1/4W	R2563	1-249-425-11	CARBON	4.7K 5% 1/4W
R2505	1-249-420-11	CARBON	1.8K 5% 1/4W	R2564	1-249-437-11	CARBON	47K 5% 1/4W
R2506	1-249-429-11	CARBON	10K 5% 1/4W	R2565	1-249-441-11	CARBON	100K 5% 1/4W
R2507	1-249-437-11	CARBON	47K 5% 1/4W	R2566	1-249-409-11	CARBON	220 5% 1/4W
R2508	1-249-437-11	CARBON	47K 5% 1/4W	R2567	1-249-421-11	CARBON	2.2K 5% 1/4W
R2509	1-249-418-11	CARBON	1.2K 5% 1/4W	VARIABLE RESISTOR			
R2510	1-249-438-11	CARBON	56K 5% 1/4W	RV2501	1-228-727-00	RES, ADJ, CERAMIC CARBON	47K
R2511	1-249-439-11	CARBON	68K 5% 1/4W	RV2502	1-228-727-00	RES, ADJ, CERAMIC CARBON	47K
R2512	1-249-429-11	CARBON	10K 5% 1/4W	RV2503	1-228-727-00	RES, ADJ, CERAMIC CARBON	47K
R2513	1-249-417-11	CARBON	1K 5% 1/4W	RV2504	1-228-724-00	RES, ADJ, CERAMIC CARBON	10K
R2514	1-246-449-75	CARBON	100 5% 1/4W	RV2505	1-228-724-00	RES, ADJ, CERAMIC CARBON	10K
R2515	1-249-439-11	CARBON	68K 5% 1/4W	TRANSFORMER			
R2516	1-249-425-11	CARBON	4.7K 5% 1/4W	T2501	1-407-849-00	TRANSFORMER, D.F	
R2517	1-249-439-11	CARBON	68K 5% 1/4W	*****			
R2518	1-249-439-11	CARBON	68K 5% 1/4W	*A-1345-688-A D BOARD, COMPLETE			
R2519	1-249-437-11	CARBON	47K 5% 1/4W	*****			
R2520	1-249-421-11	CARBON	2.2K 5% 1/4W	CAPACITOR			
R2521	1-249-439-11	CARBON	68K 5% 1/4W	C501	1-123-380-00	ELECT	1MF 20% 50V
R2522	1-249-430-11	CARBON	12K 5% 1/4W	C502	1-108-622-91	MYLAR	0.0047MF 10% 100V
R2523	1-249-423-11	CARBON	3.3K 5% 1/4W	C503	1-108-622-91	MYLAR	0.0047MF 10% 100V
R2524	1-249-426-11	CARBON	5.6K 5% 1/4W	C504	1-123-323-00	ELECT	470MF 20% 16V
R2525	1-249-426-11	CARBON	5.6K 5% 1/4W	C505	1-123-379-00	ELECT	0.47MF 20% 50V
R2526	1-249-423-11	CARBON	3.3K 5% 1/4W	C506	1-123-318-00	ELECT	33MF 20% 16V
R2527	1-249-433-11	CARBON	22K 5% 1/4W	C507	1-123-379-00	ELECT	0.47MF 20% 50V
R2528	1-249-425-11	CARBON	4.7K 5% 1/4W	C508	1-136-173-00	FILM	0.47MF 5% 50V
R2529	1-249-433-11	CARBON	22K 5% 1/4W	C509	1-123-357-00	ELECT	22MF 20% 50V
R2530	1-249-423-11	CARBON	3.3K 5% 1/4W	C512	1-136-161-00	FILM	0.047MF 5% 50V
R2531	1-249-401-11	CARBON	47 5% 1/4W F	C514	1-124-609-11	ELECT	470MF 10% 50V
R2532	1-249-401-11	CARBON	47 5% 1/4W F	C515	1-124-625-11	ELECT	22MF 10% 50V
R2533	1-249-399-51	CARBON	33 5% 1/4W F	C516	1-123-336-00	ELECT	470MF 20% 25V
R2534	1-249-429-11	CARBON	10K 5% 1/4W	C520	1-102-244-00	CERAMIC	220PF 10% 500V
R2540	1-249-434-11	CARBON	27K 5% 1/4W	C521	1-123-364-51	ELECT	1000MF 20% 50V
R2541	1-247-883-00	CARBON	150K 5% 1/4W	C522	1-123-875-91	ELECT	10MF 20% 50V
R2542	1-216-426-51	METAL OXIDE	82 5% 1W F	C523	1-106-387-00	MYLAR	0.1MF 10% 200V
R2543	1-216-421-11	METAL OXIDE	12 5% 1W F	C524	1-106-381-12	MYLAR	0.039MF 10% 200V
R2544	1-215-884-51	METAL OXIDE	47 5% 2W F	C525	1-102-244-00	CERAMIC	220PF 10% 500V
R2545	1-249-421-11	CARBON	2.2K 5% 1/4W	C526	1-124-342-00	ELECT	3.3MF 20% 160V
R2546	1-247-706-11	CARBON	330 5% 1/4W	C527	1-108-694-81	MYLAR	0.015MF 10% 200V
R2547	1-249-435-11	CARBON	33K 5% 1/4W	C528	1-162-318-11	CERAMIC	0.001MF 10% 500V
R2548	1-249-439-11	CARBON	68K 5% 1/4W	C529	1-123-356-00	ELECT	10MF 20% 50V
R2549	1-247-895-00	CARBON	470K 5% 1/4W	C530	1-123-356-00	ELECT	10MF 20% 50V
R2550	1-249-429-11	CARBON	10K 5% 1/4W	C531	1-123-379-00	ELECT	0.47MF 20% 50V
R2554	1-247-895-00	CARBON	470K 5% 1/4W	C535	1-123-381-00	ELECT	2.2MF 20% 50V
R2555	1-249-424-11	CARBON	3.9K 5% 1/4W	C536	1-123-381-00	ELECT	2.2MF 20% 50V
R2556	1-249-425-11	CARBON	4.7K 5% 1/4W	C537	1-136-173-00	FILM	0.47MF 5% 50V
R2557	1-249-429-11	CARBON	10K 5% 1/4W	C538	1-123-333-00	ELECT	100MF 20% 25V
R2558	1-249-425-11	CARBON	4.7K 5% 1/4W				
R2559	1-249-433-11	CARBON	22K 5% 1/4W				

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Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
C539	1-123-380-00	ELECT	1MF 20% 50V	C1549	1-102-129-00	CERAMIC	0.01MF 10% 50V
C540	1-123-369-00	ELECT	4.7MF 20% 25V	C1550	1-102-973-00	CERAMIC	100PF 5% 50V
C541	1-123-369-00	ELECT	4.7MF 20% 25V	C1551	1-102-030-00	CERAMIC	330PF 10% 500V
C542	1-123-381-00	ELECT	2.2MF 20% 50V	C1552	1-106-367-00	MYLAR	0.01MF 10% 100V
C543	1-123-330-00	ELECT	22MF 20% 16V	C1553	1-123-379-00	ELECT	0.47MF 20% 50V
C544	1-123-369-00	ELECT	4.7MF 20% 50V	C1554	1-106-367-00	MYLAR	0.01MF 10% 100V
C545	1-123-330-00	ELECT	22MF 20% 25V	C1555	1-102-110-00	CERAMIC	220PF 10% 50V
C546	1-123-381-00	ELECT	2.2MF 20% 50V	C1556	1-123-333-00	ELECT	100MF 20% 25V
C547	1-123-333-00	ELECT	100MF 20% 25V	C1557	1-108-622-91	MYLAR	0.0047MF 10% 100V
C548	1-123-321-00	ELECT	220MF 20% 16V	C1558	1-123-330-00	ELECT	22MF 20% 16V
C551	1-123-357-00	ELECT	22MF 20% 50V	C1559	1-123-379-00	ELECT	0.47MF 20% 50V
C552	1-123-356-00	ELECT	10MF 20% 50V	C1560	1-123-379-00	ELECT	0.47MF 20% 50V
C555	1-123-379-00	ELECT	0.47MF 20% 50V	C1565	1-106-220-00	MYLAR	0.1MF 10% 100V
C556	1-136-173-00	FILM	0.47MF 5% 50V	C1566A	1-162-115-51	CERAMIC	330PF 10% 2KV
C557	1-124-464-11	ELECT	0.22MF 20% 50V	C1567A	1-162-134-51	CERAMIC	470PF 10% 2KV
C1501	1-108-634-81	MYLAR	0.047MF 10% 100V	C1568A	1-130-706-11	FILM	0.008MF 3% 1.6KV
C1502	1-106-220-00	MYLAR	0.1MF 10% 100V	C1569A	1-129-747-11	FILM	0.047MF 10% 400V
C1503	1-106-371-00	MYLAR	0.015MF 10% 100V	C1570	1-129-751-00	FILM	0.1MF 20% 400V
C1504	1-123-330-00	ELECT	22MF 20% 16V	C1571	1-102-030-00	CERAMIC	330PF 10% 500V
C1505	1-108-630-91	MYLAR	0.022MF 10% 100V	C1572	1-123-321-00	ELECT	220MF 20% 16V
C1506	1-123-381-00	ELECT	2.2MF 20% 50V	C1576	1-123-332-00	ELECT	47MF 20% 25V
C1507	1-123-332-00	ELECT	47MF 20% 25V	C1577	1-123-318-00	ELECT	33MF 20% 16V
C1508	1-130-868-00	FILM	0.0056MF 5% 50V	C1578	1-108-630-91	MYLAR	0.022MF 10% 100V
C1509	1-123-369-00	ELECT	4.7MF 20% 25V	C1579	1-106-220-00	MYLAR	0.1MF 10% 100V
C1510	1-102-820-00	CERAMIC	330PF 5% 50V	C1585	1-123-357-00	ELECT	22MF 20% 50V
C1511	1-123-321-00	ELECT	220MF 20% 16V	C1586	1-108-621-91	MYLAR	0.0039MF 10% 100V
C1512	1-123-379-00	ELECT	0.47MF 20% 50V	C1587	1-131-351-00	TANTALUM	4.7MF 10% 35V
C1513	1-108-634-81	MYLAR	0.047MF 10% 100V	C1591	1-124-657-00	ELECT	10MF 20% 50V
C1514	1-123-369-00	ELECT	4.7MF 20% 50V	C1592	1-106-367-00	MYLAR	0.01MF 10% 200V
C1520	1-102-125-00	CERAMIC	0.0047MF 10% 50V	CONNECTOR			
C1521	1-108-631-81	MYLAR	0.027MF 10% 100V	D1	*1-508-766-00	4P PLUG (M)	
C1522	1-123-333-00	ELECT	100MF 20% 25V	D2	*1-566-054-11	PIN, CONNECTOR 2P	
C1523	1-102-978-00	CERAMIC	220PF 5% 50V	D3	*1-566-054-11	PIN, CONNECTOR 2P	
C1524	1-108-704-61	MYLAR	0.1MF 10% 200V	D4	*1-508-765-00	3P PLUG (M)	
C1525	1-162-117-00	CERAMIC	100PF 10% 500V	D5	*1-506-348-XX	4P PLUG	
C1526	1-102-157-00	CERAMIC	560PF 10% 500V	D6	*1-508-767-00	5P PLUG	
C1527	1-102-038-00	CERAMIC	0.001MF 500V	D7	*1-566-056-11	PIN, CONNECTOR 4P	
C1528	1-108-698-61	MYLAR	0.033MF 10% 200V	D8	*1-508-765-00	3P PLUG (M)	
C1529	1-102-820-00	CERAMIC	330PF 5% 50V	D9	*1-508-765-00	3P PLUG (M)	
C1530	1-123-361-00	ELECT	220MF 20% 50V	D10	*1-508-768-00	6P PLUG	
C1531A	1-125-294-11	ELECT(BLOCK)	560MF 20% 160V	D11	*1-508-768-00	6P PLUG	
C1532	1-124-006-11	ELECT	10MF 20% 25V	D12	*1-566-055-11	PIN, CONNECTOR 3P	
C1533A	1-162-115-51	CERAMIC	330PF 10% 2KV	D15	*1-566-058-11	PIN, CONNECTOR 6P	
C1534A	1-136-330-11	FILM	0.014MF 3% 1.6KV	DIODE			
C1535	1-129-953-00	FILM	0.068MF 20% 1.5KV	D501	8-719-815-55	DIODE 1S1555	
C1536	1-123-333-00	ELECT	100MF 20% 16V	D502	8-719-200-02	DIODE 10E2	
C1537	1-123-333-00	ELECT	100MF 20% 16V	D503	8-719-300-76	DIODE RH1A	
C1539A	1-102-228-11	CERAMIC	470PF 10% 500V	D504	8-719-300-76	DIODE RH1A	
C1540A	1-162-115-51	CERAMIC	330PF 10% 2KV	D506	8-719-200-02	DIODE 10E2	
C1541	1-108-614-91	MYLAR	0.001MF 10% 100V	D508	8-719-110-34	DIODE RD13ES-B	
C1542	1-136-179-00	FILM	1.5MF 5% 200V	D510	8-719-109-88	DIODE RD5.6ES-B1	
C1543	1-102-820-00	CERAMIC	330PF 5% 50V				
C1544	1-136-328-11	FILM	1MF 5% 400V				

T.C. Corp
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Wharton NJ 07885
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D

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
D513	8-719-110-38	DIODE RD15ES-B		L1512A	1-459-308-32	COIL, HORIZONTAL LINEARITY	
D515	8-719-000-12	DIODE MC931		L1512A	1-421-329-00	COIL, CHOKE	
D516	8-719-000-12	DIODE MC931		L1513	1-407-365-00	COIL, CHOKE	
D517	8-719-110-60	DIODE RD24ES-B					
D520	8-719-190-00	DIODE RD24E-BZ7				NEON LAMP	
D521	8-719-815-55	DIODE 1S1555		NL501	1-519-237-11	LAMP, NEON	
D522	8-719-120-78	DIODE RD6.2ES-L3				TRANSISTOR	
D1502	8-719-815-55	DIODE 1S1555		Q501	8-729-178-54	TRANSISTOR 2SC2785	
D1503	8-719-110-38	DIODE RD15ES-B		Q502	8-729-178-54	TRANSISTOR 2SC2785	
D1508	8-719-815-55	DIODE 1S1555		Q503	8-729-117-54	TRANSISTOR 2SA1175	
D1509	8-719-200-02	DIODE 10E2		Q505	8-729-117-54	TRANSISTOR 2SA1175	
D1510A	8-719-300-74	DIODE RH1A		Q506	8-729-178-54	TRANSISTOR 2SC2785	
D1511	8-719-300-76	DIODE RH1A		Q507	8-729-178-54	TRANSISTOR 2SC2785	
D1512	8-719-300-76	DIODE RH1A		Q510	8-729-195-82	TRANSISTOR 2SC2958	
D1513	8-719-901-19	DIODE V11N		Q511 A	8-729-122-02	TRANSISTOR 2SA1220A-Q	
D1515A	8-719-938-40	DIODE S1B01-02TP1		Q512 A	8-729-169-02	TRANSISTOR 2SC2690A-Q	
D1516	8-719-903-09	DIODE V30N		Q515	8-729-117-54	TRANSISTOR 2SA1175	
D1517A	8-719-906-15	DIODE ERC26-15S		Q516	8-729-177-43	TRANSISTOR 2SD774	
D1517B	8-719-906-15	DIODE ERC26-15S		Q517	8-729-178-54	TRANSISTOR 2SC2785	
D1518A	8-719-302-98	DIODE RG4C		Q518	8-729-178-54	TRANSISTOR 2SC2785	
D1518B	8-719-302-98	DIODE RG4C		Q519	8-729-178-54	TRANSISTOR 2SC2785	
D1525	8-719-815-55	DIODE 1S1555		Q520	8-729-178-54	TRANSISTOR 2SC2785	
D1527	8-719-300-76	DIODE RH1A		Q522	8-729-117-54	TRANSISTOR 2SA1175	
D1528	8-719-926-16	DIODE ERC26-15SA		Q523	8-729-117-54	TRANSISTOR 2SA1175	
D1529	8-719-300-76	DIODE RH1A		Q1501	8-729-117-54	TRANSISTOR 2SA1175	
D1530	8-719-300-76	DIODE RH1A		Q1503	8-729-203-81	TRANSISTOR 2SC2238B	
D1531	8-719-300-38	DIODE GU-3A		Q1504A	8-729-301-74	TRANSISTOR 2SD1497-04	
D1535	8-719-110-60	DIODE RD24ES-B				4-374-410-01	SPACER, MICA; Q1504
D1536	8-719-102-65	DIODE RD4.7E-N2				*4-374-413-01	RETAINER (A), TR; Q1504
D1537	8-719-102-74	DIODE RD6.2E-N2		Q1505	8-729-177-43	TRANSISTOR 2SD774	
D1538	8-719-815-55	DIODE 1S1555		Q1506	8-729-374-02	TRANSISTOR 2SB740	
D1540	8-719-102-71	DIODE RD5.6E-N2		Q1507	8-726-420-00	THYRISTOR SG-264A	
						3-703-320-00	BUSHING (A), TRANSISTOR; Q1507
						4-303-844-00	SPACER, MICA (4) MD-17; Q1507
						*4-309-762-00	RETAINER (MD-17), TRANSISTOR; Q1507
				Q1508A	8-729-301-74	TRANSISTOR 2SD1497-04	
						4-374-410-01	SPACER, MICA; Q1508
						*4-374-413-01	RETAINER (A), TR; Q1508
				Q1511	8-729-374-02	TRANSISTOR 2SB740	
				Q1512	8-729-117-54	TRANSISTOR 2SA1175	
				Q1513	8-729-178-54	TRANSISTOR 2SC2785	
				Q1514	8-729-178-54	TRANSISTOR 2SC2785	
				Q1515	8-729-178-54	TRANSISTOR 2SC2785	
				Q1520	8-729-168-82	TRANSISTOR 2SC2688	
						4-377-115-01	SPACER, MICA; Q1520
						*4-381-170-01	HOLDER, TR; Q1520
							RESISTOR
L501	1-459-060-00	COIL, DYNAMIC CONVERSION CHOKE		R501	1-247-895-00	CARBON	470K 5% 1/4W
L1501	1-407-364-00	COIL, SPOOK CHOKE 3.3UH		R502	1-249-429-11	CARBON	10K 5% 1/4W
L1502	1-459-215-00	CORE COIL		R503	1-249-425-11	CARBON	4.7K 5% 1/4W
L1503	1-407-365-00	COIL, CHOKE		R504	1-249-429-11	CARBON	10K 5% 1/4W
L1504	1-407-365-00	COIL, CHOKE					
L1505	1-407-365-00	COIL, CHOKE					
L1506	1-459-104-00	COIL, DUST CORE					
L1508A	1-421-390-11	COIL, FERRITE (PMC)					
L1510	1-407-365-00	COIL, CHOKE					
L1511	1-407-365-00	COIL, CHOKE					

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Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
R505	1-249-421-11	CARBON	2.2K 5% 1/4W	R567	1-249-429-11	CARBON	10K 5% 1/4W
R506	1-249-435-11	CARBON	33K 5% 1/4W	R568	1-247-725-11	CARBON	10K 5% 1/4W
R507	1-249-424-11	CARBON	3.9K 5% 1/4W	R569	1-249-469-11	CARBON	100K 5% 1/4W
R508	1-247-726-11	CARBON	33K 5% 1/4W	R570	1-247-725-11	CARBON	10K 5% 1/4W
R509	1-249-428-11	CARBON	8.2K 5% 1/4W	R571	1-249-417-11	CARBON	1K 5% 1/4W
R510	1-249-431-11	CARBON	15K 5% 1/4W	R572	1-247-725-11	CARBON	10K 5% 1/4W
R511	1-249-432-11	CARBON	18K 5% 1/4W	R573	1-249-465-11	CARBON	47K 5% 1/4W
R512	1-247-158-00	CARBON	13K 5% 1/4W	R574	1-247-885-00	CARBON	180K 5% 1/4W
R513	1-249-430-11	CARBON	12K 5% 1/4W	R575	1-249-433-11	CARBON	22K 5% 1/4W
R514	1-249-438-11	CARBON	56K 5% 1/4W	R576	1-249-441-11	CARBON	100K 5% 1/4W
R515	1-249-468-11	CARBON	82K 5% 1/4W	R577	1-247-885-00	CARBON	180K 5% 1/4W
R516	1-247-713-11	CARBON	1K 5% 1/4W	R578	1-249-441-11	CARBON	100K 5% 1/4W
R517	1-249-420-11	CARBON	1.8K 5% 1/4W	R579	1-249-424-11	CARBON	3.9K 5% 1/4W
R518	1-247-721-11	CARBON	4.7K 5% 1/4W	R580	1-249-423-11	CARBON	3.3K 5% 1/4W
R519	1-247-715-11	CARBON	1.5K 5% 1/4W	R581	1-247-723-11	CARBON	6.8K 5% 1/4W
R520	1-249-429-11	CARBON	10K 5% 1/4W	R582	1-249-441-11	CARBON	100K 5% 1/4W
R521	1-249-434-11	CARBON	27K 5% 1/4W	R583	1-249-429-11	CARBON	10K 5% 1/4W
R522	1-249-438-11	CARBON	56K 5% 1/4W	R584	1-249-438-11	CARBON	56K 5% 1/4W
R523	1-214-765-00	METAL	33K 1% 1/4W	R585	1-249-435-11	CARBON	33K 5% 1/4W
R525	1-216-353-00	METAL OXIDE	2.2 5% 1W F	R586	1-247-720-11	CARBON	3.9K 5% 1/4W
R526	1-249-423-11	CARBON	3.3K 5% 1/4W	R587	1-249-424-11	CARBON	3.9K 5% 1/4W
R527	1-249-420-11	CARBON	1.8K 5% 1/4W	R588	1-249-441-11	CARBON	100K 5% 1/4W
R528	1-249-412-11	CARBON	390 5% 1/4W	R589	1-249-421-11	CARBON	2.2K 5% 1/4W
R529	1-249-414-11	CARBON	560 5% 1/4W	R590	1-249-409-11	CARBON	220 5% 1/4W
R530	1-249-410-11	CARBON	270 5% 1/4W	R591	1-249-409-11	CARBON	220 5% 1/4W
R531	1-249-417-11	CARBON	1K 5% 1/4W	R593	△ 1-206-753-61	METAL OXIDE	15K 5% 3W F
R532	1-249-438-11	CARBON	56K 5% 1/4W	R594	1-249-460-11	CARBON	15K 5% 1/4W
R533	1-249-435-11	CARBON	33K 5% 1/4W	R595	1-249-431-11	CARBON	15K 5% 1/4W
R534	1-249-423-11	CARBON	3.3K 5% 1/4W	R596	1-246-488-00	CARBON	4.3K 5% 1/4W
R535	1-247-719-11	CARBON	3.3K 5% 1/4W	■R597	△	METAL	1/4W
R536	△ 1-249-393-51	CARBON	10 5% 1/4W F	R598	1-214-749-00	METAL	6.8K 1% 1/4W
R537	△ 1-249-399-51	CARBON	33 5% 1/4W F	R599	1-214-741-00	METAL	3.3K 1% 1/4W
R538	1-215-869-11	METAL OXIDE	1K 5% 1W F	R1501	1-249-411-11	CARBON	330 5% 1/4W
R539	1-216-350-11	METAL OXIDE	1.2 5% 1W F	R1502	1-249-422-11	CARBON	2.7K 5% 1/4W
R540	△ 1-249-405-51	CARBON	100 5% 1/4W F	R1503	1-247-700-11	CARBON	100 5% 1/4W
R541	1-216-350-11	METAL OXIDE	1.2 5% 1W F	R1504	1-249-435-11	CARBON	33K 5% 1/4W
R542	1-215-865-11	METAL OXIDE	220 5% 1W F	R1505	1-249-441-11	CARBON	100K 5% 1/4W
R543	△ 1-249-382-51	CARBON	1.2 5% 1/4W F	R1506	1-215-484-00	CARBON	430K 5% 1/4W
R544	1-215-869-11	METAL OXIDE	1K 5% 1W F	R1507	1-249-433-11	CARBON	22K 5% 1/4W
R546	1-247-715-11	CARBON	1.5K 5% 1/4W	R1508	1-249-429-11	CARBON	10K 5% 1/4W
R551	1-216-432-00	METAL OXIDE	820 5% 1W F	R1509	1-249-405-11	CARBON	100 5% 1/4W
R552	1-247-720-11	CARBON	3.9K 5% 1/4W	R1510	1-249-433-11	CARBON	22K 5% 1/4W
R553	△ 1-215-891-51	METAL OXIDE	680 5% 2W F	R1511	1-247-881-00	CARBON	120K 5% 1/4W
R554	1-247-721-11	CARBON	4.7K 5% 1/4W	R1512	1-249-440-11	CARBON	82K 5% 1/4W
R557	1-247-725-11	CARBON	10K 5% 1/4W	R1513	1-249-423-11	CARBON	3.3K 5% 1/4W
R558	1-247-723-11	CARBON	6.8K 5% 1/4W	R1514	1-215-458-00	CARBON	36K 5% 1/4W
R560	1-247-713-11	CARBON	1K 5% 1/4W	R1515	1-249-441-11	CARBON	100K 5% 1/4W
R561	1-247-708-11	CARBON	470 5% 1/4W	R1516	1-249-430-11	CARBON	12K 5% 1/4W
R562	1-247-704-11	CARBON	220 5% 1/4W	R1518	1-249-429-11	CARBON	10K 5% 1/4W
R563	1-247-704-11	CARBON	220 5% 1/4W	R1519	1-249-469-11	CARBON	100K 5% 1/4W
R564	1-247-725-11	CARBON	10K 5% 1/4W	R1520	1-249-435-11	CARBON	33K 5% 1/4W
R565	1-249-429-11	CARBON	10K 5% 1/4W	R1521	1-247-701-11	CARBON	120 5% 1/4W
R566	1-247-725-11	CARBON	10K 5% 1/4W	R1522	1-247-700-11	CARBON	100 5% 1/4W

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

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

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Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
R1523	1-247-700-11	CARBON	100 5% 1/4W	R1580	1-249-439-11	CARBON	68K 5% 1/4W
R1525	1-247-723-11	CARBON	6.8K 5% 1/4W	R1581	1-249-441-11	CARBON	100K 5% 1/4W
R1526	1-246-543-00	CARBON	820K 5% 1/4W	R1582	1-249-429-11	CARBON	10K 5% 1/4W
R1527	1-246-545-00	CARBON	1M 5% 1/4W	R1583	1-249-427-11	CARBON	6.8K 5% 1/4W
R1529	1-215-918-00	METAL OXIDE	1.5K 5% 3W F	R1584	1-249-421-11	CARBON	2.2K 5% 1/4W
R1530	1-247-700-11	CARBON	100 5% 1/4W	R1585	1-247-713-11	CARBON	1K 5% 1/4W
R1531	1-247-713-11	CARBON	1K 5% 1/4W F	R1588	1-215-872-11	METAL OXIDE	3.3K 5% 1W F
R1532A	1-215-920-51	METAL OXIDE	3.3K 5% 3W F	R1589	1-247-726-11	CARBON	33K 5% 1/4W
R1533	1-247-721-11	CARBON	4.7K 5% 1/4W	R1590	1-247-726-11	CARBON	33K 5% 1/4W
R1534	1-216-482-11	METAL OXIDE	1.8K 5% 3W F	R1592	1-214-779-00	METAL	120K 1% 1/4W
R1535	1-216-388-11	METAL OXIDE	0.82 5% 3W F	R1593	1-214-781-00	METAL	150K 1% 1/4W
R1536	1-247-697-11	CARBON	56 5% 1/4W	R1594	1-247-722-11	CARBON	5.6K 5% 1/4W
R1537A	1-249-389-51	CARBON	4.7 5% 1/4W F	R1595	1-214-777-00	METAL	100K 1% 1/4W
R1538A	1-249-389-51	CARBON	4.7 5% 1/4W F	R1597	1-214-752-00	METAL	9.1K 1% 1/4W
R1539A	1-216-434-51	METAL OXIDE	1.8K 5% 1W F	R1598	1-214-749-00	METAL	6.8K 1% 1/4W
R1540A	1-215-915-51	METAL OXIDE	470 5% 3W F	VARIABLE RESISTOR			
R1541A	1-216-479-51	METAL OXIDE	560 5% 3W F	RV501	1-228-717-00	RES, ADJ, CERAMIC CARBON	220
R1542	1-215-880-00	METAL OXIDE	10 5% 2W F	RV503	1-228-727-00	RES, ADJ, CERAMIC CARBON	47K
R1543	1-215-866-11	METAL OXIDE	330 5% 1W F	RV505	1-228-728-00	RES, ADJ, CERAMIC CARBON	100K
R1544A	1-216-448-51	METAL OXIDE	39 5% 2W F	RV506	1-228-728-00	RES, ADJ, CERAMIC CARBON	100K
R1545	1-247-693-11	CARBON	27 5% 1/4W	RV507	1-228-725-00	RES, ADJ, CERAMIC CARBON	22K
R1546A	1-216-373-91	METAL OXIDE	2.2 5% 2W F	RV508	1-228-724-00	RES, ADJ, CERAMIC CARBON	10K
R1547	1-247-697-11	CARBON	56 5% 1/4W	RV509	1-228-724-00	RES, ADJ, CERAMIC CARBON	10K
R1548	1-249-382-11	CARBON	1.2 5% 1/4W F	RV1501	1-228-723-00	RES, ADJ, CERAMIC CARBON	4.7K
R1549	1-249-448-11	CARBON	1.2 5% 1/4W F	RV1503	1-228-720-00	RES, ADJ, CERAMIC CARBON	1K
R1550	1-249-385-11	CARBON	2.2 5% 1/4W F	RV1505	1-228-720-00	RES, ADJ, CERAMIC CARBON	1K
R1551	1-247-688-11	CARBON	10 5% 1/4W F	RV1506	1-228-727-00	RES, ADJ, CERAMIC CARBON	47K
R1552	1-247-725-11	CARBON	10K 5% 1/4W	RV1510	1-228-720-00	RES, ADJ, CERAMIC CARBON	1K
R1553	1-249-425-11	CARBON	4.7K 5% 1/4W F	SPARK GAP			
R1554	1-249-410-11	CARBON	270 5% 1/4W	SG1501	1-519-063-XX	DISCHARGING GAP	
R1555	1-249-465-11	CARBON	47K 5% 1/4W	TRANSFORMER			
R1556	1-249-425-11	CARBON	4.7K 5% 1/4W	T1501	1-437-089-00	TRANSFORMER, HORIZONTAL DRIVE	
R1557	1-249-429-11	CARBON	10K 5% 1/4W	T1502	1-437-089-00	TRANSFORMER, HORIZONTAL DRIVE	
R1558	1-249-425-11	CARBON	4.7K 5% 1/4W	T1503A	1-439-356-11	HOT	
R1559	1-249-417-11	CARBON	1K 5% 1/4W	T1513A	1-421-388-11	LOT	
R1560	1-215-452-00	CARBON	20K 5% 1/4W	*****			
R1561	1-214-746-00	METAL	5.1K 1% 1/4W	*1-620-767-11	H4 BOARD		
R1562	1-247-713-11	CARBON	1K 5% 1/4W	*****			
R1563	1-247-718-11	CARBON	2.7K 5% 1/4W	CONNECTOR			
R1564	1-249-405-11	CARBON	100 5% 1/4W F	H4-11	*1-566-063-11	PIN, CONNECTOR 11P	
R1565	1-249-433-11	CARBON	22K 5% 1/4W	H4-12	*1-566-063-11	PIN, CONNECTOR 11P	
R1566	1-249-439-11	CARBON	68K 5% 1/4W				
R1567	1-249-435-11	CARBON	33K 5% 1/4W				
R1568	1-247-713-11	CARBON	1K 5% 1/4W				
R1571A	1-249-448-51	CARBON	1.2 5% 1/4W F				
R1572A	1-249-448-51	CARBON	1.2 5% 1/4W F				
R1573A	1-249-382-51	CARBON	1.2 5% 1/4W F				
R1574	1-216-424-11	METAL OXIDE	39 5% 1W F				
R1575	1-249-382-11	CARBON	1.2 5% 1/4W F				
R1576	1-215-869-11	METAL OXIDE	1K 5% 1W F				
R1577	1-249-425-11	CARBON	4.7K 5% 1/4W				
R1578	1-202-723-00	SOL ID	2.2M 10% 1/2W				
R1579	1-247-718-11	CARBON	2.7K 5% 1/4W				

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H6 **H5** **UB**

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
	*1-620-768-11	H6 BOARD *****		C3438	1-126-101-11	ELECT 100MF	20% 16V
		<u>CONNECTOR</u>		C3439	1-108-618-91	MYLAR 0.0022MF	10% 100V
H6-31	*1-566-059-11	PIN, CONNECTOR 7P		C3442	1-126-101-11	ELECT 100MF	20% 16V
H6-32	*1-566-060-11	PIN, CONNECTOR 8P		C3443	1-124-462-00	ELECT 10MF	20% 16V
H6-33	*1-566-062-11	PIN, CONNECTOR 10P		C3462	1-126-101-11	ELECT 100MF	20% 16V
H6-34	*1-566-062-11	PIN, CONNECTOR 10P					
H6-35	*1-566-056-11	PIN, CONNECTOR 4P		C3463	1-123-820-00	ELECT 33MF	20% 16V
				C3470	1-101-004-00	CERAMIC 0.01MF	50V
H6-36	*1-566-054-11	PIN, CONNECTOR 2P				<u>DIODE</u>	
H6-37	*1-566-054-11	PIN, CONNECTOR 2P		D3420	8-719-911-19	DIODE 1SS119	
*****				D3421	8-719-911-19	DIODE 1SS119	
	*1-623-890-11	H5 BOARD *****		D3422	8-719-911-19	DIODE 1SS119	
		<u>CONNECTOR</u>		D3423A	8-719-112-64	DIODE RD10ES-T1B2	
H5-1	*1-566-054-11	PIN, CONNECTOR 2P		D3424	8-719-110-36	DIODE RD13ES-B2	
H5-2	*1-566-056-11	PIN, CONNECTOR 4P					
		<u>SWITCH</u>		D3425	8-719-911-19	DIODE 1SS119	
S981	1-570-145-11	SWITCH, SLIDE		D3426	8-719-109-93	DIODE RD6.2ES-B2	
S982	1-570-145-11	SWITCH, SLIDE		D3428	8-719-911-19	DIODE 1SS119	
*****				D3433	8-719-110-15	DIODE RD10ES-B	
	*A-1373-058-A	UB BOARD, COMPLETE *****		D3434	8-719-110-15	DIODE RD10ES-B	
		<u>CAPACITOR</u>					
C3414	1-124-464-11	ELECT 0.22MF	20% 50V	D3435	8-719-110-15	DIODE RD10ES-B	
C3415	1-124-464-11	ELECT 0.22MF	20% 50V	D3438	8-719-110-17	DIODE RD10ES-B2	
C3416	1-124-464-11	ELECT 0.22MF	20% 50V			<u>IC</u>	
C3417	1-124-464-11	ELECT 0.22MF	20% 50V	IC3407	8-752-030-31	IC CXAL024S	
C3418	1-124-464-11	ELECT 0.22MF	20% 50V			<u>COIL</u>	
C3419	1-124-464-11	ELECT 0.22MF	20% 50V	L3401	1-408-424-00	INDUCTOR 180UH	
C3420	1-101-004-00	CERAMIC 0.01MF	50V			<u>TRANSISTOR</u>	
C3421	1-124-462-00	ELECT 10MF	16V	Q3429	8-729-900-36	TRANSISTOR DTC124ES	
C3422	1-124-462-00	ELECT 10MF	20% 16V	Q3431	8-729-178-54	TRANSISTOR 2SC2785	
C3423	1-101-004-00	CERAMIC 0.01MF	50V	Q3432	8-729-178-54	TRANSISTOR 2SC2785	
C3424	1-108-833-00	MYLAR 0.0047MF	10% 50V	Q3433A	8-729-101-37	TRANSISTOR 2SC2785TP-F	
C3425	1-108-837-00	MYLAR 0.01MF	10% 50V	Q3440	8-729-178-54	TRANSISTOR 2SC2785	
C3426	1-108-845-00	MYLAR 0.047MF	10% 50V	Q3450	8-729-178-54	TRANSISTOR 2SC2785	
C3427	1-108-833-00	MYLAR 0.0047MF	10% 50V	Q3451	8-729-117-54	TRANSISTOR 2SA1175	
C3428	1-108-837-00	MYLAR 0.01MF	10% 50V			<u>RESISTOR</u>	
C3429	1-108-845-00	MYLAR 0.047MF	10% 50V	R3351	1-247-717-11	CARBON 2.2K 5% 1/4W	
C3430	1-108-833-00	MYLAR 0.0047MF	10% 50V	R3352	1-249-429-11	CARBON 10K 5% 1/4W	
C3431	1-108-845-00	MYLAR 0.047MF	10% 50V	R3353	1-249-429-11	CARBON 10K 5% 1/4W	
C3433	1-108-837-00	MYLAR 0.01MF	10% 50V	R3354	1-249-405-11	CARBON 100 5% 1/4W	
C3434	1-101-004-00	CERAMIC 0.01MF	50V	R3355	1-249-405-11	CARBON 100 5% 1/4W	
C3435	1-124-236-00	ELECT 47MF	20% 16V	R3356	1-249-405-11	CARBON 100 5% 1/4W	
C3436	1-124-247-00	ELECT 10MF	20% 25V	R3357	1-249-409-11	CARBON 220 5% 1/4W	
C3437	1-101-004-00	CERAMIC 0.01MF	50V	R3358	1-249-429-11	CARBON 10K 5% 1/4W	
				R3359	1-249-429-11	CARBON 10K 5% 1/4W	
				R3360	1-249-462-11	CARBON 22K 5% 1/4W	
				R3361	1-247-725-11	CARBON 10K 5% 1/4W	
				R3363	1-247-704-11	CARBON 220 5% 1/4W	
				R3364	1-247-704-11	CARBON 220 5% 1/4W	
				R3365	1-247-704-11	CARBON 220 5% 1/4W	

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UB UA

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
R3366	1-247-713-11	CARBON	1K 5% 1/4W		1-537-105-11	TERMINAL BOARD, INPUT/OUTPUT	
R3367	1-247-713-11	CARBON	1K 5% 1/4W				
R3368	1-247-713-11	CARBON	1K 5% 1/4W				
R3369	1-215-424-00	METAL	1.3K 1% 1/6W				
R3370	1-249-413-11	CARBON	470 5% 1/4W				
R3371	1-249-413-11	CARBON	470 5% 1/4W				
R3372	1-247-717-11	CARBON	2.2K 5% 1/4W				
R3373	1-249-421-11	CARBON	2.2K 5% 1/4W				
R3374	1-215-493-00	CARBON	1M 5% 1/4W				
R3375	1-249-421-11	CARBON	2.2K 5% 1/4W				
R3376	1-249-421-11	CARBON	2.2K 5% 1/4W				
R3377	1-249-421-11	CARBON	2.2K 5% 1/4W				
R3378	1-249-429-11	CARBON	10K 5% 1/4W				
R3379	1-249-413-11	CARBON	470 5% 1/4W				
R3380	1-249-436-11	CARBON	39K 5% 1/4W				
R3381	1-249-434-11	CARBON	27K 5% 1/4W				
R3382	1-249-417-11	CARBON	1K 5% 1/4W				
R3383	1-249-417-11	CARBON	1K 5% 1/4W				
R3384	1-249-429-11	CARBON	10K 5% 1/4W				
R3385	1-249-417-11	CARBON	1K 5% 1/4W				
R3386	1-249-405-11	CARBON	100 5% 1/4W				
R3387	1-249-405-11	CARBON	100 5% 1/4W				
R3388	1-249-405-11	CARBON	100 5% 1/4W				
R3456	1-249-433-11	CARBON	22K 5% 1/4W				
R3460	1-249-438-11	CARBON	56K 5% 1/4W				
R3461	1-249-427-11	CARBON	6.8K 5% 1/4W				
R3470	1-246-529-00	CARBON	220K 5% 1/4W				
R3492	1-249-429-11	CARBON	10K 5% 1/4W				
R3493	1-249-429-11	CARBON	10K 5% 1/4W				
R3497	1-249-438-11	CARBON	56K 5% 1/4W				
R3498	1-247-887-00	CARBON	220K 5% 1/4W				
R3499	1-249-441-11	CARBON	100K 5% 1/4W				
<u>VARIABLE RESISTOR</u>							
RV3301	1-228-993-00	RES, ADJ, CARBON 4.7K					
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-1373-088-A	UA BOARD, COMPLETE	*****					
1-537-044-11	TERMINAL BOARD, INPUT/OUTPUT						
				C2201	1-124-236-00	ELECT	47MF 20% 16V
				C2202	1-124-462-00	ELECT	10MF 20% 16V
				C2203	1-124-462-00	ELECT	10MF 20% 16V
				C2204	1-124-236-00	ELECT	47MF 20% 16V
				C2205	1-124-462-00	ELECT	10MF 20% 16V
				C2206	1-124-462-00	ELECT	10MF 20% 16V
				C2207	1-124-236-00	ELECT	47MF 20% 16V
				C2208	1-124-462-00	ELECT	10MF 20% 16V
				C2209	1-124-236-00	ELECT	47MF 20% 16V
				C2210	1-101-004-00	CERAMIC	0.01MF 50V
				C2211	1-124-236-00	ELECT	47MF 20% 16V
				C2212	1-123-622-00	ELECT	22MF 20% 16V
				C2213	1-124-236-00	ELECT	47MF 20% 16V
				C2214	1-101-004-00	CERAMIC	0.01MF 50V
				C2215	1-124-462-00	ELECT	10MF 20% 16V
				C2216	1-124-462-00	ELECT	10MF 20% 16V
				C2232	1-136-161-00	FILM	0.047MF 5% 50V
				C2234	1-124-257-00	ELECT	2.2MF 20% 50V
				C2235	1-123-611-00	ELECT	1MF 20% 50V
				C2301	1-124-462-00	ELECT	10MF 20% 16V
				C2302	1-124-261-00	ELECT	10MF 20% 50V
				C2303	1-124-261-00	ELECT	10MF 20% 50V
				C2304	1-124-261-00	ELECT	10MF 20% 50V
				C2305	1-101-006-00	CERAMIC	0.047MF 50V
				C2306	1-136-153-00	FILM	0.01MF 5% 50V
				C2307	1-124-247-00	ELECT	10MF 20% 25V
				C2308	1-124-236-00	ELECT	47MF 20% 16V
				C2309	1-124-261-00	ELECT	10MF 20% 50V
				C2310	1-124-245-00	ELECT	4.7MF 20% 25V
				C2311	1-101-004-00	CERAMIC	0.01MF 50V
				C2312	1-124-236-00	ELECT	47MF 20% 16V
				C2313	1-124-236-00	ELECT	47MF 20% 16V
				C2314	1-101-004-00	CERAMIC	0.01MF 50V
				C2315	1-102-820-00	CERAMIC	330PF 5% 50V
				C2316	1-101-004-00	CERAMIC	0.01MF 50V
				C2317	1-102-887-00	CERAMIC	47PF 5% 50V
				C2318	1-102-887-00	CERAMIC	47PF 5% 50V
				C2319	1-102-887-00	CERAMIC	47PF 5% 50V
				C2320	1-101-004-00	CERAMIC	0.01MF 50V
				C2321	1-101-004-00	CERAMIC	0.01MF 50V
				C3464	1-124-462-00	ELECT	10MF 20% 16V
				C3465	1-102-121-00	CERAMIC	0.0022MF 10% 50V
				C3466	1-102-121-00	CERAMIC	0.0022MF 10% 50V
				C3467	1-124-444-00	ELECT	220MF 20% 10V
				C3468	1-124-120-11	ELECT	220MF 20% 16V
				C3469	1-124-444-00	ELECT	220MF 20% 10V
				C3470	1-124-120-11	ELECT	220MF 20% 16V
				C3471	1-124-236-00	ELECT	47MF 20% 16V
				C3472	1-124-444-00	ELECT	220MF 20% 10V
				C3473	1-123-661-00	ELECT	100MF 20% 6.3V



Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
<u>DIODE</u>							
D2301	8-719-911-19	DIODE 1SS119		Q2319	8-729-178-54	TRANSISTOR 2SC2785	
D2305	8-719-911-19	DIODE 1SS119		Q2320	8-729-178-54	TRANSISTOR 2SC2785	
D2308	8-719-911-19	DIODE 1SS119		Q2321	8-729-178-54	TRANSISTOR 2SC2785	
D2309	8-719-911-19	DIODE 1SS119		Q2322	8-729-178-54	TRANSISTOR 2SC2785	
D2310	8-719-110-03	DIODE RD7.5ES-B2		Q2323	8-729-900-36	TRANSISTOR DTC124ES	
D2311	8-719-110-03	DIODE RD7.5ES-B2		Q2324	8-729-178-54	TRANSISTOR 2SC2785	
D2312	8-719-110-03	DIODE RD7.5ES-B2		Q2330	8-729-900-36	TRANSISTOR DTC124ES	
D2313	8-719-110-37	DIODE RD13ES-B3		Q2331	8-729-178-54	TRANSISTOR 2SC2785	
D2314	8-719-911-19	DIODE 1SS119		Q2332	8-729-178-54	TRANSISTOR 2SC2785	
D2315	8-719-911-19	DIODE 1SS119		<u>RESISTOR</u>			
D2316	8-719-911-19	DIODE 1SS119		R2201	1-249-429-11	CARBON 10K 5%	1/4W
D2317	8-719-911-19	DIODE 1SS119		R2202	1-249-429-11	CARBON 10K 5%	1/4W
D2321	8-719-109-93	DIODE RD6.2ES-B2		R2203	1-249-429-11	CARBON 10K 5%	1/4W
D2322	8-719-109-65	DIODE RD3.3ES-B1		R2204	1-249-421-11	CARBON 2.2K 5%	1/4W
D2323	8-719-109-65	DIODE RD3.3ES-B1		R2205	1-247-104-00	CARBON 75 5%	1/4W
D2324	8-719-109-95	DIODE RD6.8ES-B		R2210	1-247-104-00	CARBON 75 5%	1/4W
<u>IC</u>				R2215	1-247-104-00	CARBON 75 5%	1/4W
IC2201	8-759-800-65	IC LA7910		R2227	1-247-717-11	CARBON 2.2K 5%	1/4W
IC2202	8-759-140-66	IC UPD4066BC		R2228	1-247-895-00	CARBON 470K 5%	1/4W
IC2203	8-759-102-37	IC UPD4052BC		R2229	1-249-417-11	CARBON 1K 5%	1/4W
IC2204	8-759-140-53	IC UPD4053BC		R2230	1-249-441-11	CARBON 100K 5%	1/4W
IC2301	8-759-900-09	IC SN74LS09N		R2231	1-249-441-11	CARBON 100K 5%	1/4W
IC2302	8-759-900-11	IC SN74LS11N		R2232	1-247-891-00	CARBON 330K 5%	1/4W
IC2303	8-759-900-09	IC SN74LS09N		R2233	1-247-891-00	CARBON 330K 5%	1/4W
IC2304	8-759-901-38	IC SN74LS138N		R2234	1-215-487-00	CARBON 560K 5%	1/4W
IC2305	8-759-901-36	IC SN74LS136N		R2235	1-247-891-00	CARBON 330K 5%	1/4W
<u>TRANSISTOR</u>				R2236	1-247-891-00	CARBON 330K 5%	1/4W
Q2204	8-729-178-54	TRANSISTOR 2SC2785		R2237	1-247-891-00	CARBON 330K 5%	1/4W
Q2205	8-729-178-54	TRANSISTOR 2SC2785		R2238	1-247-891-00	CARBON 330K 5%	1/4W
Q2206	8-729-117-54	TRANSISTOR 2SA1175		R2239	1-249-440-11	CARBON 82K 5%	1/4W
Q2207	8-729-178-54	TRANSISTOR 2SC2785		R2240	1-249-429-11	CARBON 10K 5%	1/4W
Q2208	8-729-178-54	TRANSISTOR 2SC2785		R2241	1-249-429-11	CARBON 10K 5%	1/4W
Q2209	8-729-178-54	TRANSISTOR 2SC2785		R2242	1-249-393-11	CARBON 10 5%	1/4W
Q2210	8-729-178-54	TRANSISTOR 2SC2785		R2246	1-249-417-11	CARBON 1K 5%	1/4W
Q2211	8-729-178-54	TRANSISTOR 2SC2785		R2247	1-249-411-11	CARBON 330 5%	1/4W
Q2219	8-729-178-54	TRANSISTOR 2SC2785		R2248	1-249-423-11	CARBON 3.3K 5%	1/4W
Q2220	8-729-117-54	TRANSISTOR 2SA1175		R2249	1-249-417-11	CARBON 1K 5%	1/4W
Q2303	8-729-178-54	TRANSISTOR 2SC2785		R2250	1-249-432-11	CARBON 18K 5%	1/4W
Q2304	8-729-178-54	TRANSISTOR 2SC2785		R2251	1-249-424-11	CARBON 3.9K 5%	1/4W
Q2307	8-729-178-54	TRANSISTOR 2SC2785		R2252	1-249-429-11	CARBON 10K 5%	1/4W
Q2308	8-729-178-54	TRANSISTOR 2SC2785		R2253	1-249-423-11	CARBON 3.3K 5%	1/4W
Q2311	8-729-178-54	TRANSISTOR 2SC2785		R2254	1-249-417-11	CARBON 1K 5%	1/4W
Q2312	8-729-178-54	TRANSISTOR 2SC2785		R2272	1-249-419-11	CARBON 1.5K 5%	1/4W
Q2313	8-729-178-54	TRANSISTOR 2SC2785		R2273	1-249-429-11	CARBON 10K 5%	1/4W
Q2314	8-729-178-54	TRANSISTOR 2SC2785		R2274	1-249-429-11	CARBON 10K 5%	1/4W
Q2315	8-729-178-54	TRANSISTOR 2SC2785		R2275	1-249-421-11	CARBON 2.2K 5%	1/4W
Q2316	8-729-900-36	TRANSISTOR DTC124ES		R2276	1-249-429-11	CARBON 10K 5%	1/4W
Q2317	8-729-900-36	TRANSISTOR DTC124ES		R2277	1-249-417-11	CARBON 1K 5%	1/4W
Q2318	8-729-117-54	TRANSISTOR 2SA1175		R2278	1-249-429-11	CARBON 10K 5%	1/4W
				R2279	1-249-441-11	CARBON 100K 5%	1/4W
				R2280	1-249-405-11	CARBON 100 5%	1/4W
				R2281	1-249-429-11	CARBON 10K 5%	1/4W

UA H3

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
R2282	1-247-891-00	CARBON	330K 5% 1/4W	R2387	1-249-417-11	CARBON	1K 5% 1/4W
R2283	1-247-891-00	CARBON	330K 5% 1/4W	R2388	1-249-429-11	CARBON	10K 5% 1/4W
R2302	1-247-704-11	CARBON	220 5% 1/4W	R2389	1-249-417-11	CARBON	1K 5% 1/4W
R2304	1-247-704-11	CARBON	220 5% 1/4W	R2390	1-247-717-11	CARBON	2.2K 5% 1/4W
R2306	1-247-704-11	CARBON	220 5% 1/4W	R2391	1-247-717-11	CARBON	2.2K 5% 1/4W
R2307	1-247-713-11	CARBON	1K 5% 1/4W	R2392	1-247-104-00	CARBON	75 5% 1/4W
R2308	1-215-493-00	CARBON	1M 5% 1/4W	R2393	1-247-104-00	CARBON	75 5% 1/4W
R2314	1-249-417-11	CARBON	1K 5% 1/4W	R2417	1-249-401-11	CARBON	47 5% 1/4W
R2325	1-249-417-11	CARBON	1K 5% 1/4W	R2418	1-249-401-11	CARBON	47 5% 1/4W
R2327	1-249-417-11	CARBON	1K 5% 1/4W	<u>SWITCH</u>			
R2337	1-249-417-11	CARBON	1K 5% 1/4W	S2001	1-570-145-11	SWITCH, SLIDE	
R2340	1-249-424-11	CARBON	3.9K 5% 1/4W	S2002	1-570-145-11	SWITCH, SLIDE	
R2344	1-249-417-11	CARBON	1K 5% 1/4W	S2003	1-570-145-11	SWITCH, SLIDE	
R2345	1-247-725-11	CARBON	10K 5% 1/4W	S2004	1-570-145-11	SWITCH, SLIDE	
R2346	1-249-429-11	CARBON	10K 5% 1/4W	<u>CONNECTOR</u>			
R2349	1-249-428-11	CARBON	8.2K 5% 1/4W	UA1	*1-566-058-11	PIN, CONNECTOR 6P	
R2350	1-249-427-11	CARBON	6.8K 5% 1/4W	UA2	*1-566-058-11	PIN, CONNECTOR 6P	
R2351	1-249-417-11	CARBON	1K 5% 1/4W	UA3	*1-566-056-11	PIN, CONNECTOR 4P	
R2352	1-249-434-11	CARBON	27K 5% 1/4W	UA4	*1-566-057-11	PIN, CONNECTOR 5P	
R2353	1-249-433-11	CARBON	22K 5% 1/4W	UA5	*1-508-767-00	5P PLUG	
R2354	1-247-725-11	CARBON	10K 5% 1/4W	UA6	*1-566-057-11	PIN, CONNECTOR 5P	
R2355	1-249-419-11	CARBON	1.5K 5% 1/4W	UA8	*1-566-054-11	PIN, CONNECTOR 2P	
R2356	1-247-698-11	CARBON	68 5% 1/4W	UA11	*1-566-055-11	PIN, CONNECTOR 3P	
R2357	1-247-717-11	CARBON	2.2K 5% 1/4W	UA12	*1-508-784-00	1P PLUG	
R2358	1-215-468-00	CARBON	91K 5% 1/4W	UA15	*1-566-057-11	PIN, CONNECTOR 5P	
R2359	1-249-434-11	CARBON	27K 5% 1/4W	UA16	*1-566-055-11	PIN, CONNECTOR 3P	
R2360	1-249-428-11	CARBON	8.2K 5% 1/4W	UA17	*1-566-054-11	PIN, CONNECTOR 2P	
R2361	1-249-421-11	CARBON	2.2K 5% 1/4W	*****			
R2362	1-249-429-11	CARBON	10K 5% 1/4W	*A-1375-069-A	H3 BOARD, COMPLETE	*****	
R2363	1-249-405-11	CARBON	100 5% 1/4W	<u>CAPACITOR</u>			
R2364	1-249-421-11	CARBON	2.2K 5% 1/4W	C971	1-108-830-00	MYLAR	0.0027MF 10% 50V
R2365	1-249-425-11	CARBON	4.7K 5% 1/4W	C972	1-130-481-00	MYLAR	0.0068MF 10% 50V
R2366	1-247-721-11	CARBON	4.7K 5% 1/4W	C973	1-108-837-00	MYLAR	0.01MF 10% 50V
R2367	1-247-704-11	CARBON	220 5% 1/4W	C974	1-124-462-00	ELECT	10MF 20% 16V
R2368	1-249-425-11	CARBON	4.7K 5% 1/4W	C981	1-130-487-00	MYLAR	0.022MF 5% 50V
R2369	1-249-433-11	CARBON	22K 5% 1/4W	C990	1-124-462-00	ELECT	10MF 20% 16V
R2370	1-249-437-11	CARBON	47K 5% 1/4W	C991	1-124-462-00	ELECT	10MF 20% 16V
R2371	1-249-429-11	CARBON	10K 5% 1/4W	<u>DIODE</u>			
R2372	1-249-422-11	CARBON	2.7K 5% 1/4W	D971	8-719-109-85	DIODE RD5.1ES-B2	
R2373	1-249-428-11	CARBON	8.2K 5% 1/4W	D981	8-719-911-19	DIODE 1SS119	
R2374	1-249-423-11	CARBON	3.3K 5% 1/4W	D982	8-719-109-97	DIODE RD6.8ES-B2	
R2375	1-249-421-11	CARBON	2.2K 5% 1/4W	<u>CONNECTOR</u>			
R2376	1-249-425-11	CARBON	4.7K 5% 1/4W	H3-2	*1-566-054-11	PIN, CONNECTOR 2P	
R2377	1-249-425-11	CARBON	4.7K 5% 1/4W	H3-3	*1-566-057-11	PIN, CONNECTOR 5P	
R2378	1-249-425-11	CARBON	4.7K 5% 1/4W	H3-4	*1-566-054-11	PIN, CONNECTOR 2P	
R2379	1-247-700-11	CARBON	100 5% 1/4W	H3-5	*1-566-055-11	PIN, CONNECTOR 3P	
R2380	1-247-721-11	CARBON	4.7K 5% 1/4W				
R2381	1-247-721-11	CARBON	4.7K 5% 1/4W				
R2382	1-249-421-11	CARBON	2.2K 5% 1/4W				
R2383	1-249-421-11	CARBON	2.2K 5% 1/4W				
R2384	1-249-421-11	CARBON	2.2K 5% 1/4W				
R2385	1-249-421-11	CARBON	2.2K 5% 1/4W				
R2386	1-249-417-11	CARBON	1K 5% 1/4W				

H3 **K**

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
H3-7	*1-566-055-11	PIN, CONNECTOR 3P					
H3-8	*1-566-055-11	PIN, CONNECTOR 3P					
		<u>IC</u>				<u>CAPACITOR</u>	
IC971	8-759-933-23	IC BA236		C201	1-124-270-11	ELECT 0.47MF	20% 50V
IC990	8-759-171-05	IC UPC7805H		C202	1-124-270-11	ELECT 0.47MF	20% 50V
		<u>COIL</u>		C203	1-124-126-00	ELECT 47MF	20% 16V
L990	1-408-424-00	INDUCTOR 180UH		C204	1-124-126-00	ELECT 47MF	20% 16V
		<u>TRANSISTOR</u>		C205	1-108-850-11	MYLAR 0.12MF	10% 50V
Q971	8-729-178-54	TRANSISTOR 2SC2785		C206	1-102-125-00	CERAMIC 0.0047MF	10% 50V
Q981	8-729-178-54	TRANSISTOR 2SC2785		C207	1-102-125-00	CERAMIC 0.0047MF	10% 50V
Q982	8-729-178-54	TRANSISTOR 2SC2785		C208	1-108-850-11	MYLAR 0.12MF	10% 50V
Q990	8-729-178-54	TRANSISTOR 2SC2785		C209	1-124-038-00	ELECT 1MF	20% 50V
		<u>RESISTOR</u>		C210	1-124-045-00	ELECT 4.7MF	20% 50V
R977	1-249-433-11	CARBON 22K 5% 1/4W		C211	1-124-045-00	ELECT 4.7MF	20% 50V
R978	1-249-433-11	CARBON 22K 5% 1/4W		C212	1-124-045-00	ELECT 4.7MF	20% 50V
R979	1-249-429-11	CARBON 10K 5% 1/4W		C213	1-124-041-91	ELECT 220MF	20% 16V
R980	1-249-408-11	CARBON 180 5% 1/4W		C218	1-123-985-81	ELECT 1000MF	20% 16V
R981	1-249-405-11	CARBON 100 5% 1/4W		C219	1-126-101-11	ELECT 100MF	20% 16V
R982	1-249-432-11	CARBON 18K 5% 1/4W		C220	1-123-379-00	ELECT 0.47MF	20% 50V
R983	1-249-427-11	CARBON 6.8K 5% 1/4W		C221	1-123-379-00	ELECT 0.47MF	20% 50V
R984	1-249-417-11	CARBON 1K 5% 1/4W		C222	1-162-283-31	CERAMIC 120PF	10% 50V
R985	1-249-418-11	CARBON 1.2K 5% 1/4W		C223	1-162-283-31	CERAMIC 120PF	10% 50V
R986	1-249-420-11	CARBON 1.8K 5% 1/4W		C224	1-124-034-91	ELECT 33MF	20% 16V
R987	1-249-397-51	CARBON 22 5% 1/4W F		C225	1-124-474-91	ELECT 47MF	20% 16V
R991	1-249-417-11	CARBON 1K 5% 1/4W		C227	1-130-495-00	MYLAR 0.1MF	10% 50V
R992	1-249-434-11	CARBON 27K 5% 1/4W		C228	1-123-379-00	ELECT 0.47MF	20% 50V
R993	1-249-434-11	CARBON 27K 5% 1/4W		C229	1-123-379-00	ELECT 0.47MF	20% 50V
R994	1-249-438-11	CARBON 56K 5% 1/4W		C230	1-162-283-31	CERAMIC 120PF	10% 50V
R995	1-249-437-11	CARBON 47K 5% 1/4W		C231	1-162-283-31	CERAMIC 120PF	10% 50V
R996	1-249-399-11	CARBON 33 5% 1/4W		C232	1-124-034-91	ELECT 33MF	20% 16V
R997	1-249-421-11	CARBON 2.2K 5% 1/4W		C233	1-124-477-11	ELECT 47MF	20% 16V
R998	1-249-429-11	CARBON 10K 5% 1/4W		C235	1-130-495-00	MYLAR 0.1MF	10% 50V
		<u>VARIABLE RESISTOR</u>		C236	1-124-471-00	ELECT 1000MF	20% 6.3V
RV972	1-228-725-00	RES, ADJ, CERAMIC CARBON 22K		C237	1-102-074-00	CERAMIC 0.001MF	10% 50V
RV973	1-237-348-11	RES, VAR, CARBON 5K		C238	1-102-074-00	CERAMIC 0.001MF	10% 50V
RV974	1-237-349-11	RES, VAR, CARBON 10K		C239	1-101-006-00	CERAMIC 0.047MF	50V
		<u>SWITCH</u>		C240	1-101-006-00	CERAMIC 0.047MF	50V
S972	1-570-758-11	SWITCH, ROTARY		C241	1-101-006-00	CERAMIC 0.047MF	50V
S973	1-570-758-11	SWITCH, ROTARY		C242	1-125-296-00	ELECT(BLOCK) 4700MF	35V
*****				C243	1-125-296-00	ELECT(BLOCK) 4700MF	35V
*A-1380-189-A	K BOARD, COMPLETE	*****		C246	1-123-356-00	ELECT 10MF	20% 16V
4-309-378-00	WASHER			C251	1-123-356-00	ELECT 10MF	20% 16V
				C252	1-123-875-11	ELECT 10MF	20% 50V
						<u>DIODE</u>	
				D201	8-719-111-99	DIODE RD6.2ES-T1B2	
				D202	8-719-911-19	DIODE 1SS119	
				D203	8-719-110-36	DIODE RD13ES-B2	
				D204	8-719-112-90	DIODE RD13ES-T1B2	
						<u>IC</u>	
				IC201	8-759-276-30	IC TA7630P	
				IC204	8-759-111-88	IC UPC1188H	
				IC205	8-759-111-88	IC UPC1188H	

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

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
Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
<u>CONNECTOR</u>				R252	1-249-419-11	CARBON	1.5K 5% 1/4W
K1	*1-566-059-11	PIN, CONNECTOR 7P		R257	1-249-423-11	CARBON	3.3K 5% 1/4W
K2	*1-508-767-00	5P PLUG		*****			
K3	*1-566-056-11	PIN, CONNECTOR 4P		*9-990-890-01	H2 BOARD (KEY BOARD UNIT A)		
K4	*1-566-054-11	PIN, CONNECTOR 2P		*****			
K5	*1-508-765-00	3P PLUG (M)		<u>DIODE</u>			
<u>COIL</u>				D901	8-719-911-19	DIODE 1SS119	
L201	1-408-424-00	INDUCTOR	180UH	D902	8-719-911-19	DIODE 1SS119	
<u>TRANSISTOR</u>				D903	8-719-911-19	DIODE 1SS119	
Q201	8-729-178-54	TRANSISTOR 2SC2785		D904	8-719-911-19	DIODE 1SS119	
Q204	8-729-178-54	TRANSISTOR 2SC2785		D905	8-719-911-19	DIODE 1SS119	
Q205	8-729-178-54	TRANSISTOR 2SC2785		D906	8-719-911-19	DIODE 1SS119	
Q206	8-729-117-54	TRANSISTOR 2SA1175		D907	8-719-911-19	DIODE 1SS119	
Q209	8-729-117-54	TRANSISTOR 2SA1175		D908	8-719-911-19	DIODE 1SS119	
Q211	8-729-177-43	TRANSISTOR 2SD774		D909	9-990-893-01	LED TLY263P	
<u>RESISTOR</u>				D910	9-990-893-01	LED TLY263P	
R201	1-249-441-11	CARBON	100K 5% 1/4W	D911	9-990-893-01	LED TLY263P	
R202	1-249-441-11	CARBON	100K 5% 1/4W	D912	9-990-893-01	LED TLY263P	
R203	1-249-419-11	CARBON	1.5K 5% 1/4W	D913	9-990-893-01	LED TLY263P	
R204	1-249-429-11	CARBON	10K 5% 1/4W	D914	9-990-893-01	LED TLY263P	
R205	1-249-429-11	CARBON	10K 5% 1/4W	D915	9-990-893-01	LED TLY263P	
R206	1-249-429-11	CARBON	10K 5% 1/4W	D916	9-990-893-01	LED TLY263P	
R207	1-249-419-11	CARBON	1.5K 5% 1/4W	D917	9-990-893-01	LED TLY263P	
R208	1-249-419-11	CARBON	1.5K 5% 1/4W	D918	9-990-893-01	LED TLY263P	
R211	1-249-415-11	CARBON	680 5% 1/4W	D919	9-990-893-01	LED TLY263P	
R221	△ 1-249-403-51	CARBON	68 5% 1/4W F	D920	9-990-893-01	LED TLY263P	
R222	1-249-429-11	CARBON	10K 5% 1/4W	D921	9-990-893-01	LED TLY263P	
R223	1-249-433-11	CARBON	22K 5% 1/4W	D922	9-990-893-01	LED TLY263P	
R224	1-249-437-11	CARBON	47K 5% 1/4W	D923	9-990-893-01	LED TLY263P	
R225	1-249-409-11	CARBON	220 5% 1/4W	D924	9-990-893-01	LED TLY263P	
R227	1-249-430-11	CARBON	12K 5% 1/4W	D925	9-990-893-01	LED TLY263P	
R228	1-249-390-11	CARBON	5.6 5% 1/4W F	D926	9-990-893-01	LED TLY263P	
R229	1-249-430-11	CARBON	12K 5% 1/4W	D927	9-990-893-01	LED TLY263P	
R230	1-249-433-11	CARBON	22K 5% 1/4W	D928	9-990-893-01	LED TLY263P	
R231	1-249-438-11	CARBON	56K 5% 1/4W	D929	9-990-893-01	LED TLY263P	
R232	1-249-409-11	CARBON	220 5% 1/4W	D930	9-990-893-01	LED TLY263P	
R234	1-249-430-11	CARBON	12K 5% 1/4W	D931	9-990-893-01	LED TLY263P	
R235	△ 1-249-390-51	CARBON	5.6 5% 1/4W F	<u>RESISTOR</u>			
R236	1-249-429-11	CARBON	10K 5% 1/4W	R901	1-247-700-11	CARBON	100 5% 1/4W
R237	1-249-429-11	CARBON	10K 5% 1/4W	R902	1-247-700-11	CARBON	100 5% 1/4W
R238	1-249-423-11	CARBON	3.3K 5% 1/4W	R903	1-247-700-11	CARBON	100 5% 1/4W
R239	1-249-437-11	CARBON	47K 5% 1/4W	R904	1-247-700-11	CARBON	100 5% 1/4W
R240	1-249-430-11	CARBON	12K 5% 1/4W	R905	1-247-700-11	CARBON	100 5% 1/4W
R241	1-249-441-11	CARBON	100K 5% 1/4W	R906	1-247-700-11	CARBON	100 5% 1/4W
R242	1-249-429-11	CARBON	10K 5% 1/4W	R907	1-247-700-11	CARBON	100 5% 1/4W
R243	1-249-425-11	CARBON	4.7K 5% 1/4W	R908	1-247-700-11	CARBON	100 5% 1/4W
R244	1-249-417-11	CARBON	1K 5% 1/4W	R909	1-247-700-11	CARBON	100 5% 1/4W
R245	1-249-417-11	CARBON	1K 5% 1/4W	R910	1-247-700-11	CARBON	100 5% 1/4W
R246	1-249-417-11	CARBON	1K 5% 1/4W	R911	1-247-700-11	CARBON	100 5% 1/4W


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H2 H1 N

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
R912	1-247-700-11	CARBON	100 5% 1/4W	D957	9-990-893-01	LED TLY263P	
R913	1-247-700-11	CARBON	100 5% 1/4W	D958	9-990-893-01	LED TLY263P	
R914	1-247-700-11	CARBON	100 5% 1/4W	D959	9-990-893-01	LED TLY263P	
R915	1-247-700-11	CARBON	100 5% 1/4W	D960	9-990-893-01	LED TLY263P	
R916	1-247-700-11	CARBON	100 5% 1/4W	D961	9-990-893-01	LED TLY263P	
R917	1-247-700-11	CARBON	100 5% 1/4W	<u>RESISTOR</u>			
R918	1-247-700-11	CARBON	100 5% 1/4W	R935	1-247-703-11	CARBON	180 5% 1/4W
R919	1-247-700-11	CARBON	100 5% 1/4W	R937	1-247-714-11	CARBON	1.2K 5% 1/4W
R920	1-247-700-11	CARBON	100 5% 1/4W	R938	1-247-700-11	CARBON	100 5% 1/4W
R921	1-247-700-11	CARBON	100 5% 1/4W	R939	1-247-700-11	CARBON	100 5% 1/4W
R922	1-247-700-11	CARBON	100 5% 1/4W	R940	1-247-700-11	CARBON	100 5% 1/4W
R923	1-247-700-11	CARBON	100 5% 1/4W	R941	1-247-700-11	CARBON	100 5% 1/4W
<u>SWITCH</u>				R942	1-247-700-11	CARBON	100 5% 1/4W
S901	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)		R943	1-247-700-11	CARBON	100 5% 1/4W
S902	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)		R944	1-247-700-11	CARBON	100 5% 1/4W
S903	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)		R945	1-247-700-11	CARBON	100 5% 1/4W
S904	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)		R946	1-247-700-11	CARBON	100 5% 1/4W
S905	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)		R947	1-247-700-11	CARBON	100 5% 1/4W
S906	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)		R948	1-247-700-11	CARBON	100 5% 1/4W
S907	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)		R949	1-247-700-11	CARBON	100 5% 1/4W
S908	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)		R950	1-247-700-11	CARBON	100 5% 1/4W
S909	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)		R951	1-247-700-11	CARBON	100 5% 1/4W
S910	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)		<u>SWITCH</u>			
S911	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)		S935	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)	
S912	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)		S936	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)	
S913	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)		S937	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)	
S913	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)		S938	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)	
S915	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)	
	*9-990-897-01	H1 BOARD (KEY BOARD UNIT B)	*****	S941	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)	
<u>DIODE</u>				S942	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)	
D935	8-719-911-19	DIODE 1SS119		S943	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)	
D936	8-719-911-19	DIODE 1SS119		*****			
D937	8-719-911-19	DIODE 1SS119			*9-990-898-01	N BOARD (KEY BOARD UNIT B)	*****
D938	8-719-911-19	DIODE 1SS119		<u>IC</u>			
D939	8-719-911-19	DIODE 1SS119		IC935	8-741-138-70	IC BX1387 (DETECTOR)	
D940	8-719-911-19	DIODE 1SS119		*****			
D941	8-719-911-19	DIODE 1SS119		<u>MISCELLANEOUS</u>			
D944	9-990-901-01	LED TLY263P		*****			
D946	9-990-901-01	LED TLY263P		△1-230-712-22	RESISTOR ASSY, HIGH-VOLTAGE		
D948	9-990-893-01	LED TLY263P		△1-426-296-11	COIL, DEMAGNETIZATION		
D949	9-990-893-01	LED TLY263P		△1-451-255-22	DEFLECTION YOKE (SY-164)		
D950	9-990-893-01	LED TLY263P		1-452-032-00	MAGNET, DISK; 10MM φ		
D951	9-990-893-01	LED TLY263P		1-452-094-00	MAGNET, ROTATABLE DISK; 15MM φ		
D952	9-990-893-01	LED TLY263P		1-452-146-21	MAGNET, BMC		
D953	9-990-893-01	LED TLY263P		△1-452-351-22	NECK ASSY, CRT (NA302)		
D954	9-990-893-01	LED TLY263P					
D955	9-990-893-01	LED TLY263P					
D956	9-990-893-01	LED TLY263P					

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.

Ref.No.	Part No.	Description	Remark
	1-464-747-11	KEY BOARD UNIT (A)	
	1-464-748-11	KEY BOARD UNIT (B)	
	△ 1-526-920-12	AC OUTLET (WITH EARTH)	
	△ 1-557-970-11	CORD, POWER	
R1901	△ 1-205-904-11	RES, CEMENT WIREWOUND 1 5% 30W	
S1901	△ 1-554-966-12	SWITCH, PUSH (AC POWER)(1 KEY)	
S1902	△ 1-570-757-11	SWITCH, PUSH (DEGAUSS SWITCH)	
T604	△ 1-439-339-14	TRANSFORMER ASSY, FLYBACK	
V901	△ 8-736-652-05	PICTURE TUBE (A64JKJ10X)	

ACCESSORIES AND PACKING MATERIALS

Part No.	Description	Remark
A-1470-783-A	COMMANDER ASSY (RM-739)	
1-566-316-11	CONNECTOR, CONVERSION	
*4-371-192-01	CUSHION (FRONT)	
*4-380-432-01	BAG, PROTECTION	
*4-382-051-01	CUSHION (LOWER) (ASSY)	
*4-382-053-01	CUSHION (UPPER) (ASSY)	
*4-385-609-01	INDIVIDUAL CARTON (FOR DARK GRAY)	
*4-385-610-01	INDIVIDUAL CARTON (FOR LIGHT GRAY)	
4-482-344-25	MANUAL, INSTRUCTION	

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

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