

KP-46S55 / 53S55

RM-Y125

SERVICE MANUAL

US Model

KP-46S55

Chassis No. SCC-F19T-A

KP-53S55

Chassis No. SCC-F19U-A

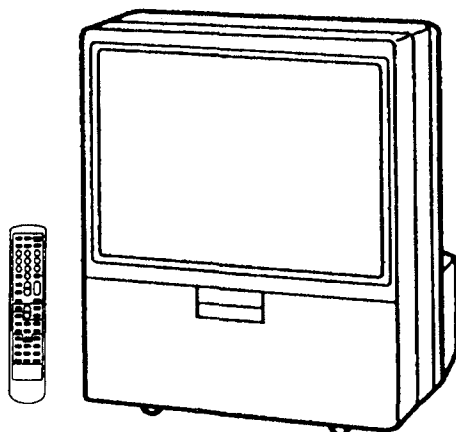
Canadian Model

KP-46S55

Chassis No. SCC-F23H-A

KP-53S55

Chassis No. SCC-F23J-A



AP CHASSIS

MODELS OF THE SAME SERIES

KP-46S55/53S55	KP-46XBR25/53XBR25/61XBR28
KP-46V15/46V16	KP-46XBR35/53XBR35/61XBR38
KP-53V15/53V16/61V15	KP-41EXR96

SPECIFICATIONS

Projection system	3 picture tubes, 3 lenses, horizontal in-line system	Inputs/output	VIDEO IN 1 S VIDEO IN (4-pin mini DIN) : Y : 1 Vp-p, 75-ohms unbalanced, sync negative C : 0.286 Vp-p (Burst signal), 75-ohms VIDEO (phono jack) : 1 Vp-p, 75-ohms unbalanced, sync negative AUDIO (phono jacks) : 500 m V rms (100% modulation) Impedance : 47 kilo-ohms
Picture tube	7 inch high-brightness monochrome tubes (5.5 raster size), with optical coupling and liquid cooling system	VIDEO IN 2 and 3	VIDEO (phono jacks) : 1 Vp-p, 75-ohms unbalanced, sync negative AUDIO (phono jacks) : 500 m V rms (100% modulation) Impedance : 47 kilo-ohms
Projection lenses	High performance, large-diameter hybrid lens F1.0	AUDIO OUT (phono jacks) :	900 m V rms (100% modulation) Impedance : 5 kilo-ohms
Screen size	KP-46S55: 46 inches (measured diagonally) KP-53S55: 53 inches (measured diagonally)		
Screen brightness	KP-46S55: 1,600 cd/m ² KP-53S55: 1,250 cd/m ²		
Television system	American TV standards		
Channel coverage	VHF: 2-13 UHF: 14-69 CATV: 1-125		
Antenna	75-ohm external antenna terminal for VHF/UHF		

- Continued on next page -



996498001

COLOR REAR VIDEO PROJECTOR

SONY®

Speaker Full range speaker
160 mm (6.3 inches) diameter

Speaker output 10W×2

Power requirements 120 V, 60Hz

Power consumption Max. 310 W
Average : 255 W
Standby mode : 7 W

Dimensions (W/H/D) KP-46S55 :
1,029×1,287×535 mm
(40₅/₈×50₃/₄×21₁/₈ inches)
KP-53S55 :
1,164×1,336×644 mm
(45₇/₈×52₅/₈×25₃/₈ inches)

Mass KP-46S55 : 90 kg (198 lbs 7 oz)
KP-53S55 : 92 kg (202 lbs 7 oz)

Supplied accessories Remote commander RM-Y125 (1)
Size AA (R6) battery (1)

Optional accessories U/V mixer EAC-66
Connecting cables RK-74A, VMC-810S/
820S, YC-15V/30V, VMC-720M
VCR tray SU-PJT1

Design and specifications are subject to change without notice.

(CAUTION)

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

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

(ATTENTION)

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

ATTENTION!!

AFIN D'EVITER TOUT RISQUE D'ELECTROCUTION PROVENANT D'UN CHASSIS SOUS TENSION, UN TRANSFORMATEUR D'ISOLEMENT DOIT ETRE UTILISE LORS DE TOUT DEPANNAGE.
LE CHASSIS DE CE RECEPTEUR EST DIRECTEMENT RACCORDE A L'ALIMENTATION SECTEUR.

ATTENTION AUX COMPOSANTS RELATIFS A LA SECURITE!!

LES COMPOSANTS IDENTIFIES PAR UNE TRAME ET PAR UNE MAPQUE Δ SUR LES SCHEMAS DE PRINCIPE, LES VUES EXPLOSEES ET LES LISTES DE PIECES CONT D'UNE IMPORTANCE CRITIQUE POUR LA SECURITE DU FONCTIONNEMENT. NE LES REMPLACER QUE PAR DES COMPOSANTS SONY DONT LE NUMERO DE PIECE EST INDIQUE DANS LE PRESENT MANUEL OU DANS DES SUPPLEMENTS PUBLIES PAR SONY. LES REGLAGES DE CIRCUIT DONT L'IMPORTANCE EST CRITIQUE POUR LA SECURITE DU FONCTIONNEMENT SONT IDENTIFIES DANS LE PRESENT MANUEL. SUIVRE CES PROCEDURES LORS DE CHAQUE REMPLACEMENT DE COMPOSANTS CRITIQUES, OU LORSQU'UN MAUVAIS FONCTIONNEMENT EST SUSPECTE.

SAFETY CHECK-OUT (US model only)

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

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

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5mA (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 0.75V, 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 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)

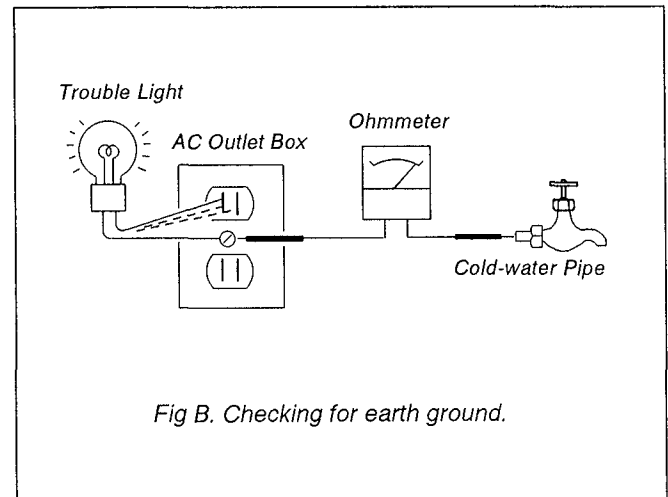
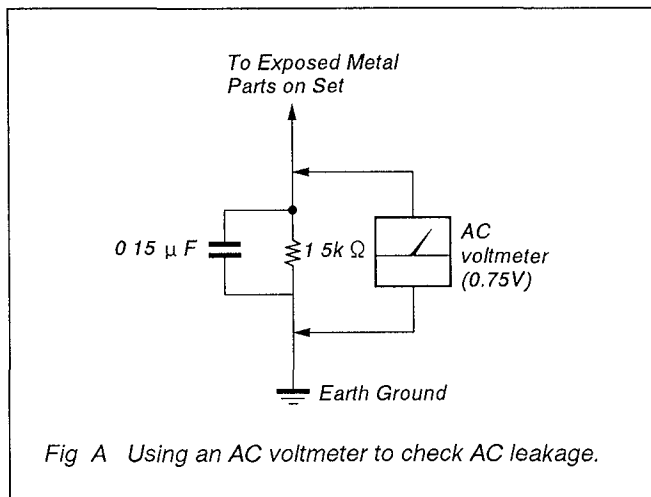


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SECTION 1 GENERAL

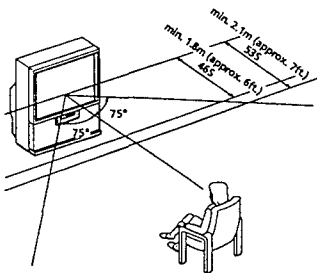
The operating instructions mentioned here are partial abstracts from the Operating Instruction Manual. The page numbers of the Operating Instruction Manual remain as in the manual.

Getting Started

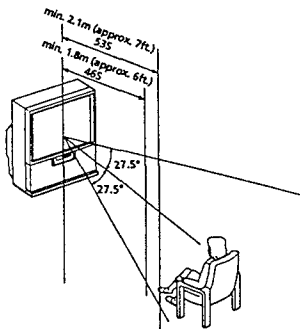
Step 1: Installing the projection TV

For the best picture quality, install the projection TV within the areas shown below.

Optimum viewing area (Horizontal)



Optimum viewing area (Vertical)

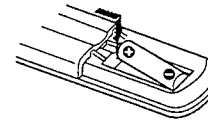


Preparing for your projection TV

Before you use your projection TV, adjust convergence. For the procedure, see "Step 4: Adjusting convergence (CONVERGENCE)" on page 10.

Step 3: Setting up the remote commander

Insert one size AA (R6) battery (supplied) by matching the + and - on the battery to the diagram inside the battery compartment.

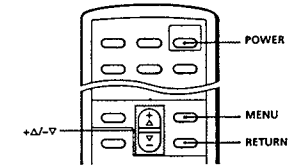


Notes

- With normal use, the battery should last for approximately six months.
- If you do not use the remote commander for an extended period of time, remove the battery to avoid possible damage from battery leakage.
- Do not handle the remote commander roughly. Do not drop it, step on it or let it get wet.
- Do not place the remote commander in direct sunlight, near a heater, or where the humidity is high.

Step 4: Adjusting convergence (CONVERGENCE)

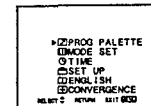
The projection tube image appears on the screen in three layers (red, green and blue). If they do not converge, the color is poor and the picture blurs. To correct this, adjust convergence.



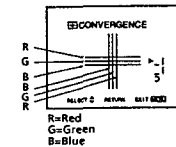
- 1 Press **POWER** to turn on the projection TV. The **TIMER/STAND BY** indicator flashes until the picture appears.



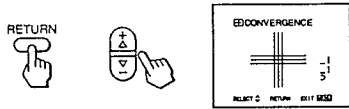
- 2 Press **MENU**. The main menu appears.



- 3 Press **+ Δ** or **- ∇** to move the cursor (▶) to **CONVERGENCE** and press **RETURN**. The **CONVERGENCE** adjustment screen appears.

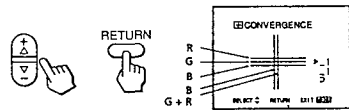


4 Press + Δ or - ∇ to move the cursor (▶) to the symbol showing the line you want to adjust, and press RETURN.



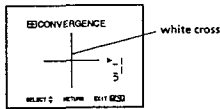
- ! Red vertical line (left/right adjustment)
- Red horizontal line (up/down adjustment)
- ! Blue vertical line (left/right adjustment)
- Blue horizontal line (up/down adjustment)

5 Press + Δ or - ∇ to move the line until it converges with the center green line, and press RETURN.



To move up/right, press + Δ.
To move down/left, press - ∇.

6 Repeat steps 4 and 5 to adjust the other lines until all three lines converge and are seen as a white cross.



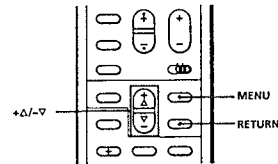
7 Press MENU to return to the original screen.



Note
• If more than 90 seconds elapse after you press a button, the menu disappears automatically.

Step 5: Setting cable TV on or off

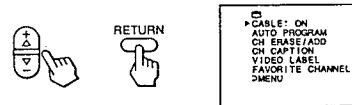
If you have connected the projection TV to a cable TV system, you should set the cable connection on or off. Set CABLE to ON, the factory setting, to preset or watch cable TV channels. Set to OFF to preset or watch VHF/UHF channels.



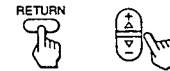
1 Press MENU.
The main menu appears.



2 Press + Δ or - ∇ to move the cursor (▶) to SET UP and press RETURN.
The SET UP menu appears.



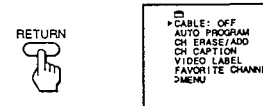
3 Set CABLE to ON or OFF:
(1) Make sure the cursor (▶) is beside CABLE and press RETURN.
If the cursor is not beside CABLE, press + Δ or - ∇ to move the cursor and press RETURN.



(2) Press + Δ or - ∇ to select ON or OFF.



(3) Press RETURN.



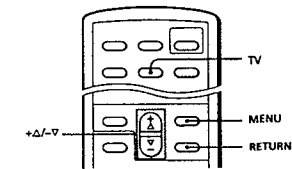
4 Press MENU to return to the original screen.



Note
• If CABLE appears in black, the projection TV is set to a video input and you cannot select CABLE. Press TV on the remote commander so that a channel number appears.

Step 6: Presetting channels

You can preset TV channels easily: first store all the receivable VHF, UHF or cable TV channels automatically following the procedure below, then erase unnecessary channels or add the channels you want.



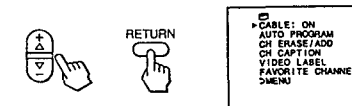
Presetting all the receivable channels

Before you begin, set the cable TV on or off according to the channels you want to preset. (page 11)

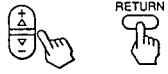
1 Press MENU.
The main menu appears.



2 Press + Δ or - ∇ to move the cursor (▶) to SET UP and press RETURN.



- 3 Press + Δ or - ∇ to move the cursor (▶) to **AUTO PROGRAM** and press **RETURN**.



"AUTO PROGRAM" appears on the screen and the projection TV starts scanning and presetting channels automatically. When all the receivable channels are stored, "AUTO PROGRAM" disappears and the lowest numbered channel is displayed.

Notes

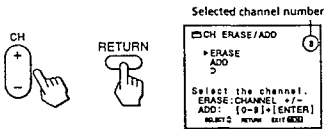
- If **AUTO PROGRAM** appears in black in the **SET UP** menu, the projection TV is set to a video input and you cannot select **AUTO PROGRAM**. Press **TV** on the remote commander so that a channel number appears.
- If more than 90 seconds elapse after you press a button, the menu disappears automatically.

Erasing or adding channels

- 1 Press **MENU**.
- 2 Press + Δ or - ∇ to select **SET UP** and press **RETURN**.
- 3 Press + Δ or - ∇ to select **CH ERASE/ADD** and press **RETURN**.

4 Erase and/or add the channel you want:

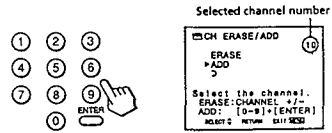
- To erase an unwanted channel*
- (1) Make sure the cursor (▶) is beside **ERASE**.
 - (2) Press **CH** + or - to select the channel you want to erase.



- (3) Press **RETURN**.
The indication "-" appears beside the channel number, showing that the channel is erased from the preset memory.

To add a channel that you want

- (1) Press + Δ or - ∇ to select **ADD**.
- (2) Press 0-9 button to select the channel you want to add and press **ENTER**.



- (3) Press **RETURN**.
The indication "+" appears beside the channel number, showing that the channel is added to the preset memory.

- 5 To erase and/or add other channels, repeat step 4.

- 6 When you finish, press **MENU**.

Note

- If you erase or add a **VHF** or **UHF** channel, the cable TV channel with the same number is also erased or added, and vice versa.

Changing the menu language

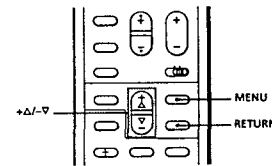
- 4 Press **MENU** to return to the original screen.



Note

- Even when you select Spanish or French language, certain parts of the menus remain in English.

If you prefer Spanish or French to English, you can change the menu language.

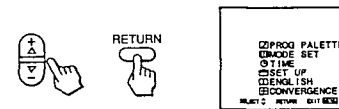


- 1 Press **MENU**.

The main menu appears.

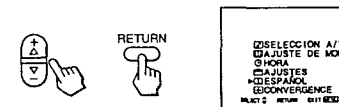


- 2 Press + Δ or - ∇ to move the cursor (▶) to **ENGLISH** and press **RETURN**.



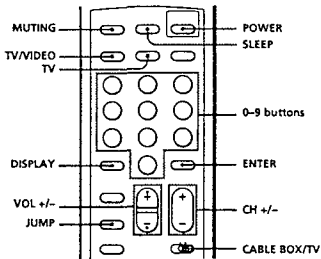
- 3 Press + Δ or - ∇ to select the language and press **RETURN**.

The menu in selected language appears.



Watching TV programs

Check that the CABLE BOX/TV selector is set to TV.



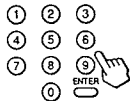
- 1 Press **POWER** to turn on the projection TV. The **TIMER/STAND BY** indicator flashes until the picture appears.



If "VIDEO" appears on the screen, press **TV** so that a channel number appears.

- 2 Select the channel you want to watch:

To select a channel directly
Press the 0-9 buttons and then press **ENTER**. For example, to select channel 10, press 1, 0 and **ENTER**.



To scan through channels
Press **CH +/-** until the channel you want to watch appears.



- 3 Press **VOL +/-** to adjust the volume.



Switching quickly between two channels

Press **JUMP**. The channel you watched previously appears.



Pressing **JUMP** again switches back the channel.

Muting the sound

Press **MUTING**. "MUTING" appears on the screen.



To restore the sound, press **MUTING** again, or press **VOL +**.

Displaying on-screen information

Use this feature to check the channel number, current time, channel caption (if set), and MTS mode (if SAP is selected).

Press **DISPLAY**.



To cancel the display, press **DISPLAY** again.

Setting the Sleep Timer

The projection TV stays on for the length of time you specify and then shuts off automatically.

Press **SLEEP** repeatedly until the time (in minutes) you want appears. Each time you press **SLEEP**, the time changes as follows: 30 → 60 → 90 → OFF.



"SLEEP" appears about one minute before the projection TV shuts off.

To cancel the Sleep Timer, press **SLEEP** repeatedly until "SLEEP OFF" appears, or turn off the projection TV.

Watching a video input picture

Press **TV/VIDEO** repeatedly until the desired video input appears. Each time you press **TV/VIDEO**, the display changes as follows: TV → VIDEO 1 → VIDEO 2 → VIDEO 3.



To return to TV picture, press **TV**.

Previewing the menu displays

Press **DEMO** on the front of the projection TV. Menus are displayed one by one.

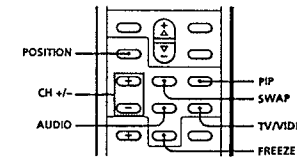


To cancel Demo function, press any button.

Watching two programs at one time — PIP

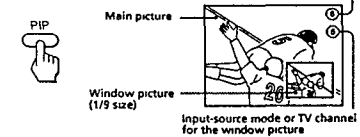
The Picture-in-Picture (PIP) feature allows you to watch both the main picture and a window picture simultaneously.

You can watch two TV channels at one time by connecting a VCR. See "Connecting an antenna/cable TV system with a VCR" (page 7) for connections.

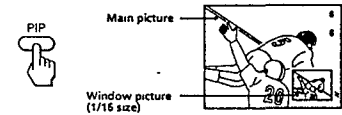


Displaying a window picture

Press **PIP**.



Press **PIP** again to display a smaller window picture.



Each time you press **PIP**, the size of the window picture changes as follows: 1/9 size → 1/16 size → OFF.

To remove the window picture, press **PIP** repeatedly until the window picture disappears.

Notes

- If the main picture is not receiving an image, the window picture may be in black and white.
- The window picture sound is also output from the AUDIO OUT jacks when you listen to it.

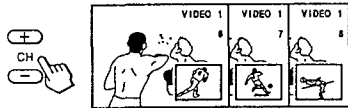
Changing the window picture input mode

Press TV/VIDEO in the PIP control area of the remote commander to select the input mode. Each time you press TV/VIDEO, "TV," "VIDEO 1," "VIDEO 2" and "VIDEO 3" appear in sequence.



Changing TV channels in the window picture

Press CH +/- in the PIP control area.



Listening to the sound of the window picture

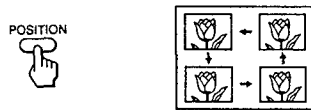
Press AUDIO. "A" appears for a few seconds, indicating that the window picture sound is being received.



To restore the main picture sound, press AUDIO again.

Changing the position of the window picture

Press POSITION. Each time you press POSITION, the window picture will move as illustrated.



Freezing the window picture

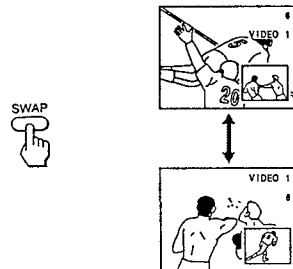
This feature is useful when you want to write down a recipe from a cooking program, a displayed address or a phone number and so on.



To restore the normal screen, press FREEZE again.

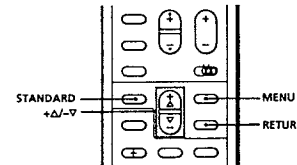
Swapping the main and window pictures

Press SWAP. Each time you press SWAP, the images and sound from the main and window pictures switch places with another.

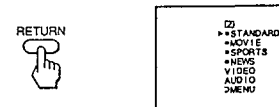


Selecting picture and sound effects (PROGRAM PALETTE)

You can select one of four settings for picture and sound effects that best suits the program.



- 1 Press MENU.
- 2 Make sure the cursor (▶) is beside PROG PALETTE and press RETURN. If the cursor is not beside PROG PALETTE, press + Δ or - ▽ to move the cursor and press RETURN.



- 3 Select the item you want. For example: (1) To select MOVIE, press + Δ or - ▽ to move the cursor to MOVIE.



- (2) Press RETURN.



For details on each item, see "Effect of four items" in the right column.

Effect of four items

Item	Picture effect	Sound effect
STANDARD	Standard (factory preset levels)	Standard (factory preset levels)
MOVIE	Finely detailed picture	Theatrical audio effect
SPORTS	Vivid, bright picture	Sound with a sports stadium effect
NEWS	Reduced noise in picture	Clear voice reproduction

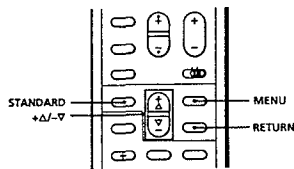
Selecting STANDARD with a button on the remote commander

Press STANDARD.

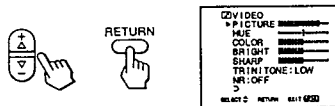


Adjusting the picture (VIDEO)

When watching TV programs, you can adjust the quality of the picture to suit your taste. You can adjust the picture of video input(s) as well, and these settings are stored separately from those for the broadcast signal.

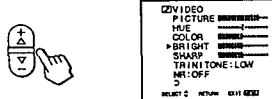


- 1 Press MENU.
- 2 Make sure the cursor (▶) is beside PROG PALETTE and press RETURN.
- 3 Press + Δ or - ∇ to move the cursor to VIDEO and press RETURN. The VIDEO adjustment menu appears.



- 4 Select the item you want to adjust.

For example:
(1) To adjust brightness, press + Δ or - ∇ to select BRIGHT.

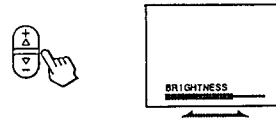


(2) Press RETURN.



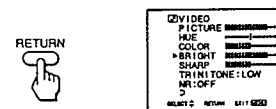
5 Adjust the selected item:

(1) Press + Δ or - ∇ to adjust the item.



(2) Press RETURN.

The new setting appears in the VIDEO menu.



For details on each item, see "Description of adjustable items" below.

6 To adjust other items, repeat steps 4 and 5.

Description of adjustable items

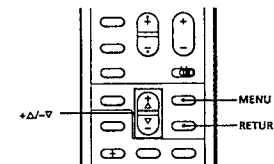
Item	Press + Δ to	Press - ∇ to
PICTURE	Increase picture contrast for vivid color	Decrease picture contrast for soft color
HUE	Make overall picture greenish	Make overall picture purplish
COLOR	Increase color intensity	Decrease color intensity
BRIGHT	Brighten the picture	Darken the picture
SHARP	Sharpen the picture	Soften the picture

To restore the factory settings

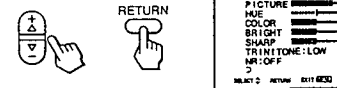
Press STANDARD while the VIDEO menu is displayed. All the settings except for PICTURE are restored to the factory settings. You can also do this by selecting STANDARD in the PROG PALETTE menu.

Adjusting the color temperature (TRINITONE)

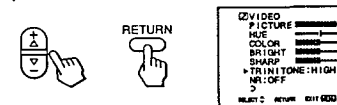
The TRINITONE feature controls the color temperature, permitting white balance preference adjustment without affecting skin tones.



- 1 Press MENU.
- 2 Make sure the cursor (▶) is beside PROG PALETTE, and press RETURN.
- 3 Press + Δ or - ∇ to select VIDEO and press RETURN.
- 4 Press + Δ or - ∇ to select TRINITONE and press RETURN.



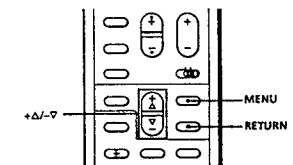
- 5 Press + Δ or - ∇ to select LOW or HIGH and press RETURN.



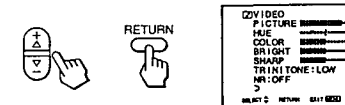
Choose	To
LOW	Make the white color reddish.
HIGH	Make the white color bluish.

Reducing picture noise (NR)

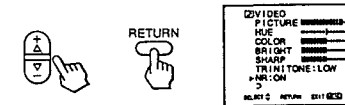
You can reduce picture noise when NR is set to ON.



- 1 Press MENU.
- 2 Make sure the cursor (▶) is beside PROG PALETTE, and press RETURN.
- 3 Press + Δ or - ∇ to select VIDEO and press RETURN.
- 4 Press + Δ or - ∇ to select NR and press RETURN.

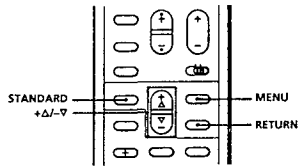


- 5 Press + Δ or - ∇ to select ON and press RETURN.

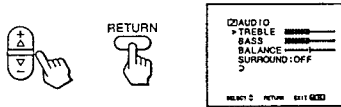


Adjusting sound (AUDIO)

You can adjust the quality of the TV sound to suit your taste. You can adjust the sound of video input(s) as well, and these settings are stored separately from those for the broadcast signal.



- 1 Press MENU.
- 2 Make sure the cursor (▶) is beside PROG PALETTE, and press RETURN.
- 3 Press + Δ or - ∇ to select AUDIO and press RETURN.



- 4 Select the item you want to adjust.

For example:

- (1) To adjust bass, press + Δ or - ∇ to select BASS.



- (2) Press RETURN.

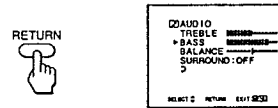


5 Adjust the selected item:

- (1) Press + Δ or - ∇ to adjust the item.



- (2) Press RETURN.
The new setting appears in the AUDIO menu.



For details on each item, see "Description of adjustable items" below.

- 6 To adjust other items, repeat steps 4 and 5 above.

Description of adjustable items

Item	Press + Δ to	Press - ∇ to
TREBLE	Increase the treble response	Decrease the treble response
BASS	Increase the bass response	Decrease the bass response
BALANCE	Emphasize the right speaker's volume	Emphasize the left speaker's volume

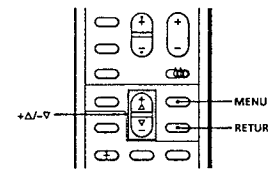
To restore the factory settings

Press STANDARD while the AUDIO menu is displayed.

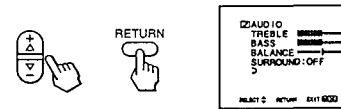
You can also do this by selecting STANDARD in the PROG PALETTE menu.

Listening to surround sound (SURROUND)

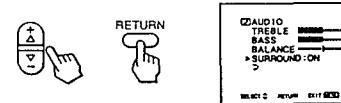
The SURROUND feature simulates sound reproduction with the atmosphere of a movie theater or a concert hall. Surround sound is only effective for stereo programs.



- 1 Press MENU.
- 2 Make sure the cursor (▶) is beside PROG PALETTE, and press RETURN.
- 3 Press + Δ or - ∇ to select AUDIO and press RETURN.
- 4 Press + Δ or - ∇ to select SURROUND and press RETURN.

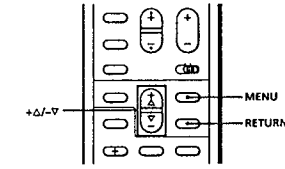


- 5 Press + Δ or - ∇ to select ON and press RETURN.

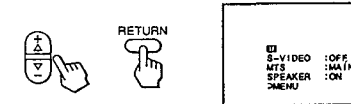


Selecting stereo or bilingual programs (MTS)

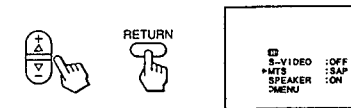
The Multichannel TV Sound (MTS) feature gives you the choice to enjoy stereo sound or Second Audio Programs (SAP) when available. The initial setting is stereo sound (MAIN).



- 1 Press MENU.
- 2 Press + Δ or - ∇ to select MODE SET and press RETURN.
- 3 Press + Δ or - ∇ to select MTS and press RETURN.



- 4 Press + Δ or - ∇ to select MAIN, SAP or MONO and press RETURN.



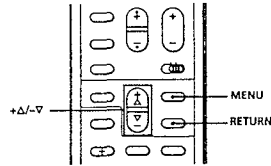
Choose	To
MAIN	Listen to stereo sound. The STEREO indicator on the projection TV lights up while a stereo broadcast is received.
SAP	Listen to bilingual programs. The sound of non-SAP programs will be muted when SAP is selected.
MONO	Reduce noise during stereo broadcasts.

Note

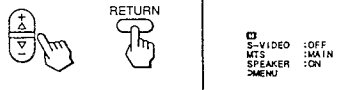
- Stereo and SAP sounds are subject to program sources.

Setting the speaker switch (SPEAKER)

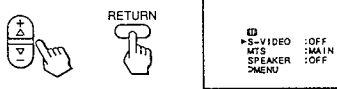
You may switch off the projection TV speakers when, for example, you want to listen to the sound through a stereo system.



- 1 Press MENU.
- 2 Press + Δ or - ∇ to select MODE SET and press RETURN.
- 3 Press + Δ or - ∇ to select SPEAKER and press RETURN.

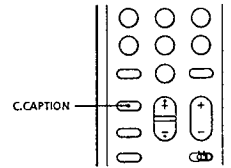


- 4 Press + Δ or - ∇ to select ON or OFF and press RETURN.



Displaying closed caption

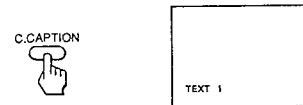
Some programs are broadcast with Closed Caption (Caption Vision). To display Closed Caption, select either CC1, CC2, TEXT1 or TEXT2 with the C.CAPTION button. CC1 or CC2 shows you a caption, that is a printed version of the dialog or sound effects of a program. (The mode should be set to CC1 for most programs.) TEXT1 or TEXT2 shows you text, that is information presented using half to full of the screen. It is usually not related to the program.



Press C.CAPTION repeatedly to select the closed caption mode.

Each time you press C.CAPTION, the mode changes as shown blow.

CC OFF → CC 1 → CC 2 → TEXT 1 → TEXT 2



If you do not want to display Closed Caption or Text, select CC OFF.

Note
 • Captions may appear with a white box or another error instead of a certain word. Poor reception of TV programs can also cause errors in Closed Caption.

Setting daylight saving time (DAYLIGHT SAVING)

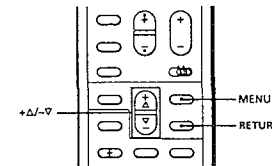
If your area uses daylight saving time, change DAYLIGHT SAVING setting depending on the season, before setting the current time.

Daylight saving start

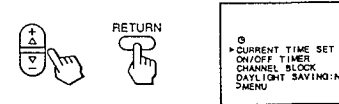
- After the first Sunday in April, set DAYLIGHT SAVING to YES. Current time (page 25), On/off Timer (page 26) and Channel Block (page 27) settings automatically move one hour ahead.

Daylight saving end

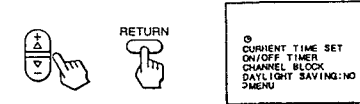
- After the last Sunday in October, set DAYLIGHT SAVING to NO. Current time, On/off Timer and Channel Block settings automatically move one hour back.



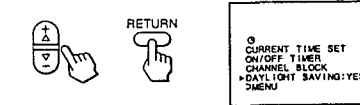
- 1 Press MENU.
- 2 Press + Δ or - ∇ to move the cursor (▶) to TIME and press RETURN.



- 3 Press + Δ or - ∇ to select DAYLIGHT SAVING and press RETURN.



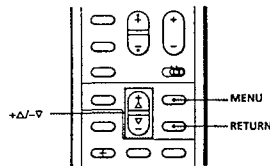
- 4 Press + Δ or - ∇ to select YES or NO and press RETURN.



Choose	To
YES	Set for daylight saving start
NO	Set for daylight saving end

Setting the clock (CURRENT TIME SET)

Set the current time before using On/off Timer (page 26) and Channel Block features (page 27). For example, set the clock to 3:15 p.m., Monday.



- 1 Press MENU.
- 2 Press + Δ or - ∇ to select TIME and press RETURN.
- 3 Make sure the cursor (▶) is beside CURRENT TIME SET, and press RETURN.
If the cursor is not beside CURRENT TIME SET, press + Δ or - ∇ to move the cursor and press RETURN.

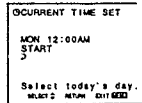
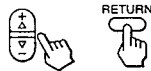


If you need to set DAYLIGHT SAVING, follow the procedure on the previous page.

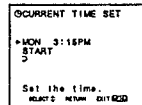
- 4 Set the current time.
(1) Press RETURN to start setting the time.



- (2) Press + Δ or - ∇ to select the day of the week and press RETURN.



- (3) Using + Δ or - ∇ and RETURN, select hour and minute in the same way as in step (2).



- 5 Press + Δ or - ∇ to select START and press RETURN.
The clock starts working.

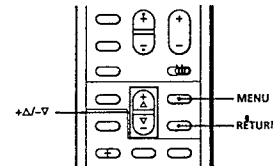
To correct the time
Display the CURRENT TIME SET screen and repeat steps above.

To display the current time
Press DISPLAY.

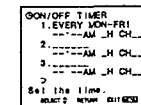
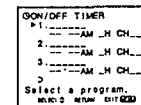
- Note**
- If you unplug the projection TV or a power interruption occurs, the clock will be erased. Reset the current time.

Turning the projection TV on and off automatically (ON/OFF TIMER)

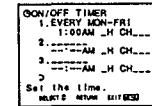
The ON/OFF TIMER feature allows you to make the TV program of your choice appear on the screen at your specified time.



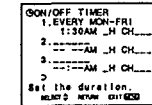
- 1 Press MENU.
- 2 Press + Δ or - ∇ to select TIME and press RETURN.
- 3 Press + Δ or - ∇ to select ON/OFF TIMER and press RETURN.
- 4 Enter the ON/OFF TIMER setting.
(1) To set program 1, press RETURN.
To set program 2 or 3, press + Δ or - ∇ to select that program and press RETURN.
(2) Press + Δ or - ∇ to select the day of the week and press RETURN.
Each time you press + Δ or - ∇, the day of the week changes as shown below.
EVERY SUN-SAT → EVERY MON-FRI → SUNDAY → MONDAY → ... → SATURDAY → "(blank)" → EVERY SUN → EVERY MON → ... → EVERY SAT



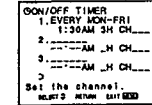
- (3) Press + Δ or - ∇ to select the starting hour and press RETURN.



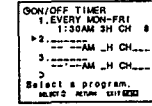
- (4) Press + Δ or - ∇ to select the starting minute and press RETURN.



- (5) Press + Δ or - ∇ to select the hour duration and press RETURN.



- (6) Press + Δ or - ∇ to select the channel and press RETURN.



The TIMER/STAND BY indicator on the projection TV lights.

- 5 To set other programs, press RETURN and repeat step 4.

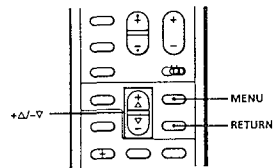
One minute before the projection TV switches to turn off, a message "TV WILL TURN OFF" is displayed on the screen.

To cancel an ON/OFF TIMER setting
Display the ON/OFF TIMER screen, select the setting you want to cancel with + Δ or - ∇, and select the blank (----) for the day of the week.

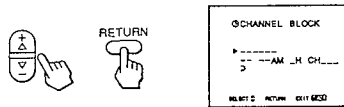
- Note**
- If you unplug the projection TV or a power interruption occurs, ON/OFF TIMER settings will be erased. Reset the current time, then set the timer.

Blocking a TV program from appearing on the screen (CHANNEL BLOCK)

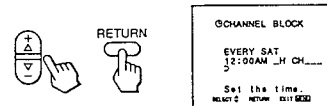
This feature allows you to prevent children from watching unsuitable programs. For example, set CHANNEL BLOCK for every Saturday at 4:30 p.m. for one hour, on channel 12.



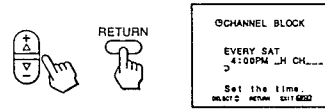
- 1 Press MENU.
- 2 Press + Δ or - ∇ to select TIME and press RETURN.
- 3 Press + Δ or - ∇ to select CHANNEL BLOCK and press RETURN.



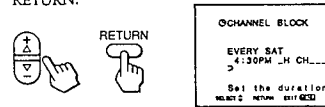
- 4 Enter a CHANNEL BLOCK setting.
 - (1) Press RETURN to start setting.
 - (2) Press + Δ or - ∇ to select the day of the week and press RETURN. Each time you press + Δ or - ∇, the day changes as shown below.
EVERY SUN-SAT → EVERY MON-FRI → SUNDAY → MONDAY → ... → SATURDAY → " " (blank) → EVERY SUN → EVERY MON → ... → EVERY SAT



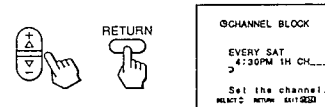
- (3) Press + Δ or - ∇ to select the hour to start the channel block and press RETURN.



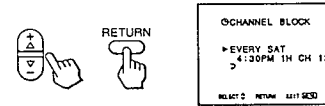
- (4) Press + Δ or - ∇ to select the minute and press RETURN.



- (5) Press + Δ or - ∇ to select the hour duration you want to block and press RETURN. Each time you press RETURN, the hour duration increases by one hour up to a maximum of six hours.



- (6) Press + Δ or - ∇ to select the channel and press RETURN.



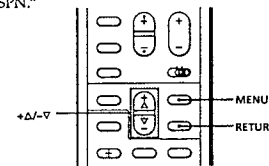
At the preset time, a message "BLOCKED" is displayed in red on the screen if the blocked channel is selected. During the preset duration, the picture of the preset channel is blocked and the sound is muted.

To cancel a CHANNEL BLOCK setting
Display the CHANNEL BLOCK screen and select a blank (" ") for the day of the week.

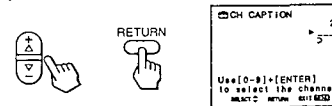
Note
• If the CHANNEL BLOCK and ON/OFF TIMER settings are overlapped, the later time setting has priority over the other setting.

Customizing channel names (CH CAPTION)

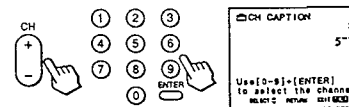
You can caption each channel number using up to four letters or numbers to be displayed on the screen. This feature allows you to easily identify which channel you are watching. For example, you can name channel 20 "ESPN."



- 1 Press MENU.
- 2 Press + Δ or - ∇ to select SET UP and press RETURN.
- 3 Press + Δ or - ∇ to select CH CAPTION and press RETURN.



- 4 Press CH +/- or press 0-9 buttons and ENTER to enter the channel number that you want to caption, and press RETURN.



- 5 Enter the letters or numbers (up to four) to caption the channel:

- (1) Press + Δ or - ∇ to select the first letter (number). Each time you press + Δ or - ∇, the letter (number) changes as shown below.

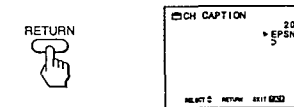
0-1-...-9-A-B-...-Z-&-/_- (blank space)



- (2) Press RETURN.



- (3) Repeat steps (1) and (2) to select the remaining letters (numbers) and press RETURN. For the caption space you want to leave blank, select " " (blank).



- 6 Repeat steps 4 and 5 to caption other channels.

To erase a caption

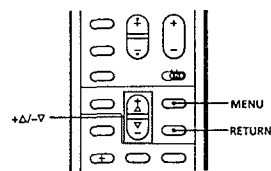
Select the channel number with the caption you want to erase in the CH CAPTION screen, select " " (blank)" for the caption, and press RETURN.

Notes

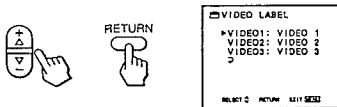
- You can set up to 32 channel captions. If 32 captions have been set, "The memory is full, sorry" appears on the screen.
- If the CH CAPTION menu appears in black, the projection TV is set to a video input, and you cannot select CH CAPTION. Press TV so that a channel number appears.
- If more than 90 seconds elapse after you press a button, the menu disappears automatically.

Setting video labels (VIDEO LABEL)

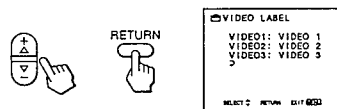
This feature allows you to label each input mode so that you can easily identify the connected equipment. For example, you can label VIDEO 1 IN as VHS.



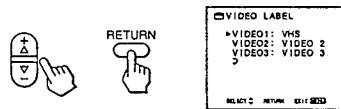
- 1 Press MENU.
- 2 Press + Δ or - ∇ to select SET UP and press RETURN.
- 3 Press + Δ or - ∇ to select VIDEO LABEL and press RETURN.



- 4 Press + Δ or - ∇ to select the input mode you want to label and press RETURN.



- 5 Press + Δ or - ∇ to select the label and press RETURN.



Each time you press + Δ or - ∇, the label changes as shown below.

VIDEO 1
 VIDEO 1 → BETA → 8mm → VHS → LD → S-VIDEO

VIDEO 2
 VIDEO 2 → BETA → 8mm → VHS → LD

VIDEO 3
 VIDEO 3 → BETA → 8mm → VHS → LD

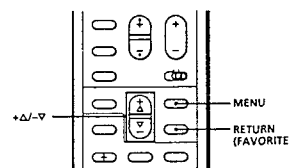
- 6 Repeat steps 4 and 5 to label other input modes.

Note
 • If more than 90 seconds elapse after you press a button, the menu disappears automatically.

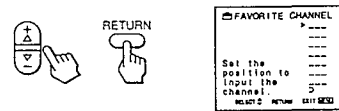
Selecting your favorite channels (FAVORITE CHANNEL)

This feature allows you to select the channels (up to seven channels) you use frequently by pressing RETURN (FAVORITE).

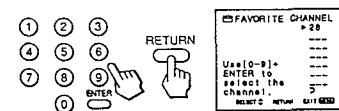
Setting the favorite channels



- 1 Press MENU.
- 2 Press + Δ or - ∇ to select SET UP and press RETURN.
- 3 Press + Δ or - ∇ to select FAVORITE CHANNEL and press RETURN.



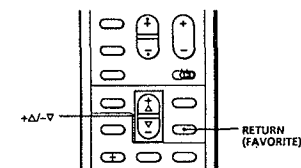
- 4 Press + Δ or - ∇ to select the position (up to seven) and press RETURN.
- 5 Press 0 - 9 and ENTER to set your favorite channel number and press RETURN.



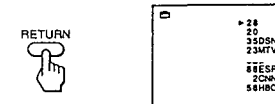
- 6 Repeat steps 4 and 5 to set other favorite channels.

To erase a favorite channel setting
 Press + Δ or - ∇ to select the channel number you want to erase and press RETURN. Then press the 0 button and ENTER.

Selecting a favorite channel



- 1 Press RETURN.
 The FAVORITE CHANNEL list appears showing the channel numbers you set with the captions (if set.)



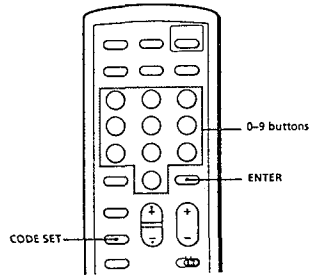
- 2 Press + Δ or - ∇ to select the channel you want to watch and press RETURN.



Operating video equipment

You can operate a piece of video equipment that has an infrared remote sensor with the supplied remote commander. Before operating, set the manufacturer's code number.

Setting the manufacturer's code



While pressing CODE SET, press 0-9 to enter the manufacturer's code number (see the chart in the right column) and press ENTER. For example, to operate a Sony 8 mm VCR, press 0, 2 and ENTER.



Manufacturer code numbers

Manufacturer	Code number
SONY	01, 02, 03, 04
CANON	05
EMERSON	22, 30, 33
FISHER	10, 11, 12, 15
FUNAI	29
GENERAL ELECTRIC	05, 08
GOLDSTAR	25
HITACHI	07, 08, 36
JVC	16, 35
MAGNAVOX	05, 06, 09
MITSUBISHI	18, 19, 26, 27
MULTITECH	29
NEC	16, 23, 31
PANASONIC	05, 06
PHILCO	05, 06
PHILIPS	05, 06, 09
QUASAR	05, 06
RCA	07, 08
SAMSUNG	24, 32
SANYO	11, 15
SCOTT	21
SHARP	13, 14
SHINTOM	34
SYLVANIA	05, 06, 09
SYMPHONIC	29
TEKNIKA	28, 29
TOSHIBA	20, 21
TOTE VISION	25
ZENITH	17

Notes

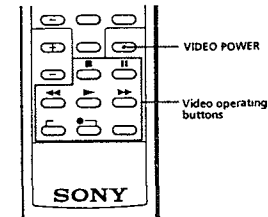
- If more than one code number is listed, try entering them one by one, until you come to the correct code for your equipment.
- In some rare cases, you may not be able to operate your non-Sony video equipment with this remote commander. This is because your equipment may use a code that is not provided with this remote commander. In this case, please use the equipment's own remote control unit.
- The code numbers for Sony equipment are assigned at the factory as follows:

Beta, ED Beta VCRs	01
8 mm VCR	02
VHS VCR	03 (preset code for this remote commander)
MDP	04

Caution

When you remove a battery from the remote commander, the code may revert to 03. Reset the codes each time you replace the battery, if necessary.

Operating video equipment



Use the video operating buttons on the remote commander to operate the video equipment.

Operating a VCR	Buttons on the remote commander
To turn on or off	Press VIDEO POWER
To change channels	Press CH +/-
To record	Press ● and REC simultaneously
To play	Press ►
To stop	Press ■
To fast forward	Press ►►
To rewind the tape	Press ◄◄
To pause	Press ||
To search the picture forward and backward	Press ►► or ◄◄ during playback

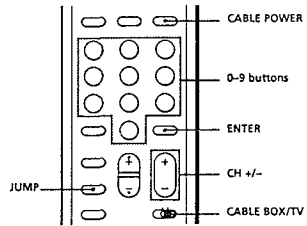
Operating a laser-disc player	Buttons on the remote commander
To play	Press ►
To stop	Press ■
To pause	Press || To resume normal playback, press again.
To search the picture forward and backward	Keep pressing ►► or ◄◄ during playback To resume normal playback, release the button.
To search the chapter forward and backward	Press CH +/-

Note

- If the video equipment does not have a certain function, the corresponding button on this remote commander will not operate.

Operating a cable box

You can operate a connected cable box with the supplied remote commander. Before operating, set the manufacturer's code number.



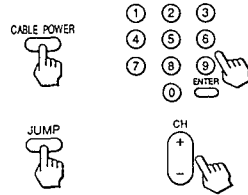
1 Set the CABLE BOX/TV selector to CABLE BOX.



2 While pressing CODE SET, press 0 – 9 to enter the manufacturer's code number (see the chart below) and press ENTER. For example, to operate a Zenith cable box, press 6 and 8 and press ENTER.



3 Use CABLE POWER and the TV control buttons (0 – 9, ENTER, JUMP and CH +/-) to operate the cable box.



To operate the TV

Set the CABLE BOX/TV selector to TV. Then use the TV control buttons to control the TV.

For more details on operating the cable box
Refer to the operating instructions that come with the cable box.

Manufacturers and code numbers (cable box)

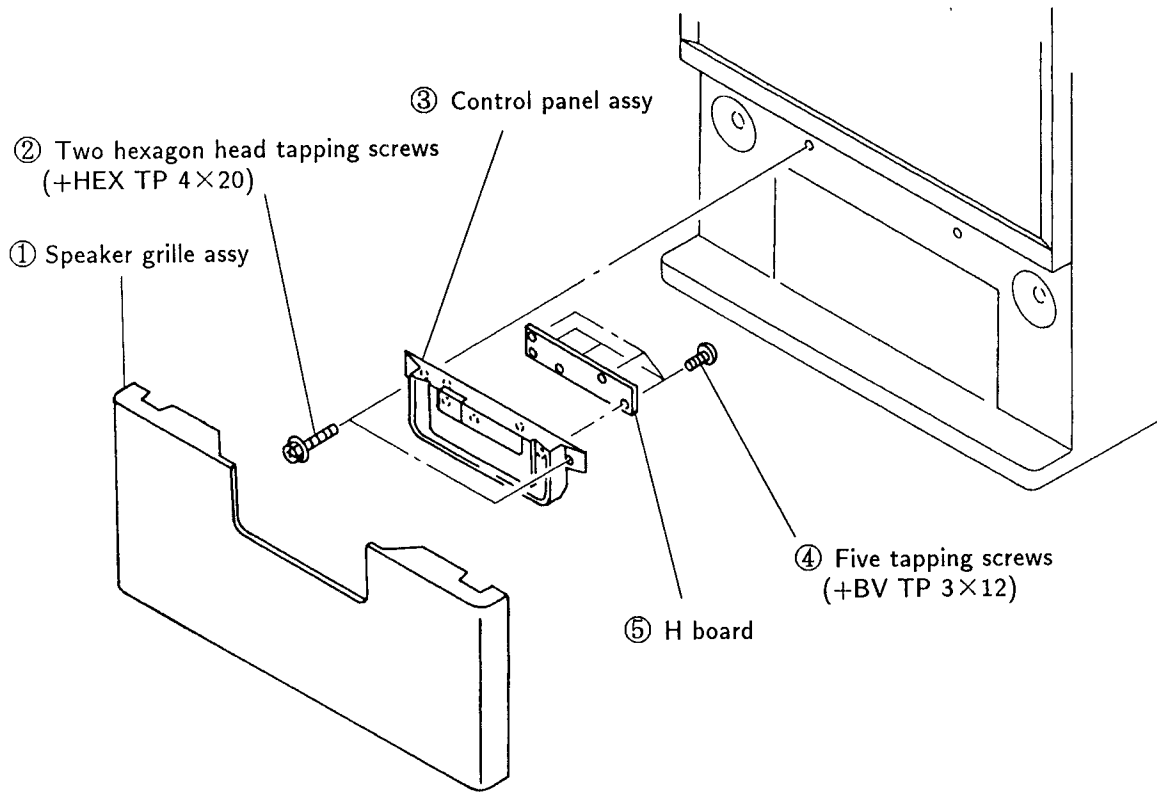
Manufacturer	Code number
JERROLD	60, 61, 62, 63, 64, 65, 73
PIONEER	69, 70
SCIENTIFIC ATLANTA	66, 67
TOCOM	71, 72
ZENITH	68

Notes

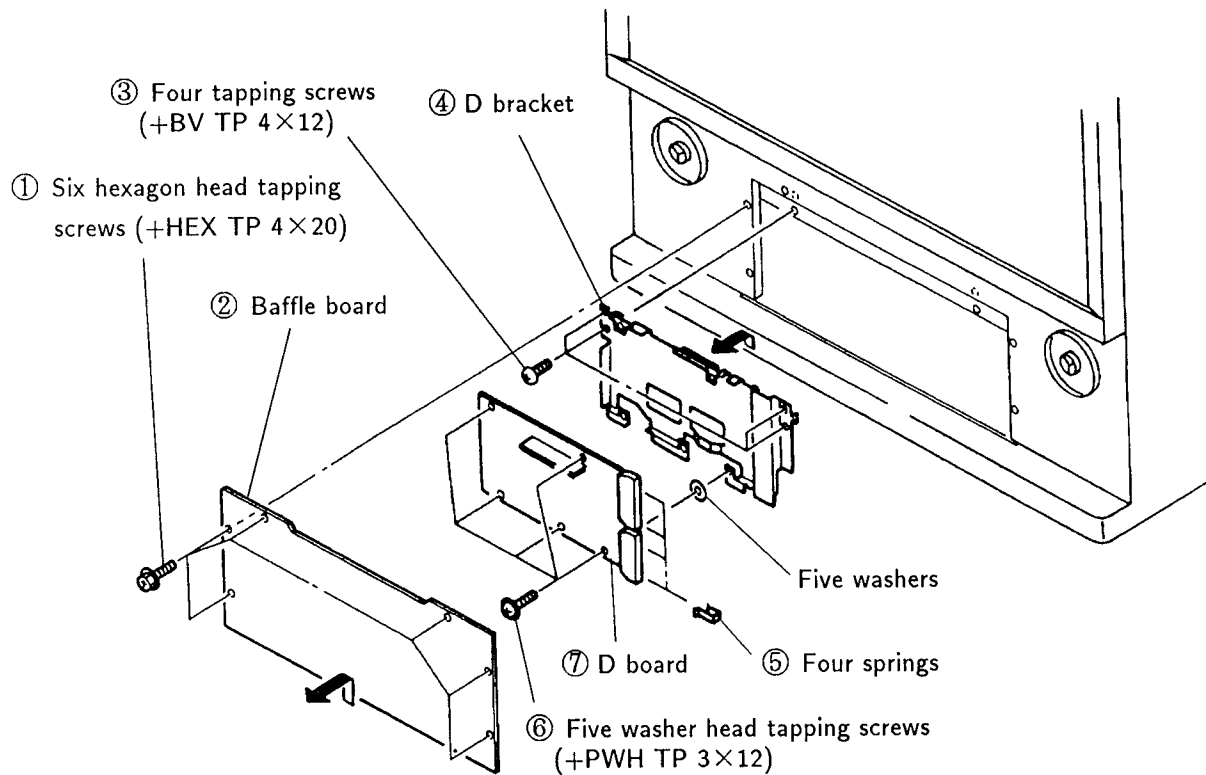
- If more than one code number is listed, try entering them one by one until you come to the correct code for your equipment.
- If you enter a new code number, the code number you previously entered at that setting is erased.
- In some rare cases, your equipment may use a code that is not provided with this remote commander and you may not be able to operate your cable box with the supplied remote commander. In this case, use the equipment's own remote control unit.
- When you remove a battery from the remote commander, the code may be erased. Reset the code each time you replace the battery, if necessary.

SECTION 2 DISASSEMBLY

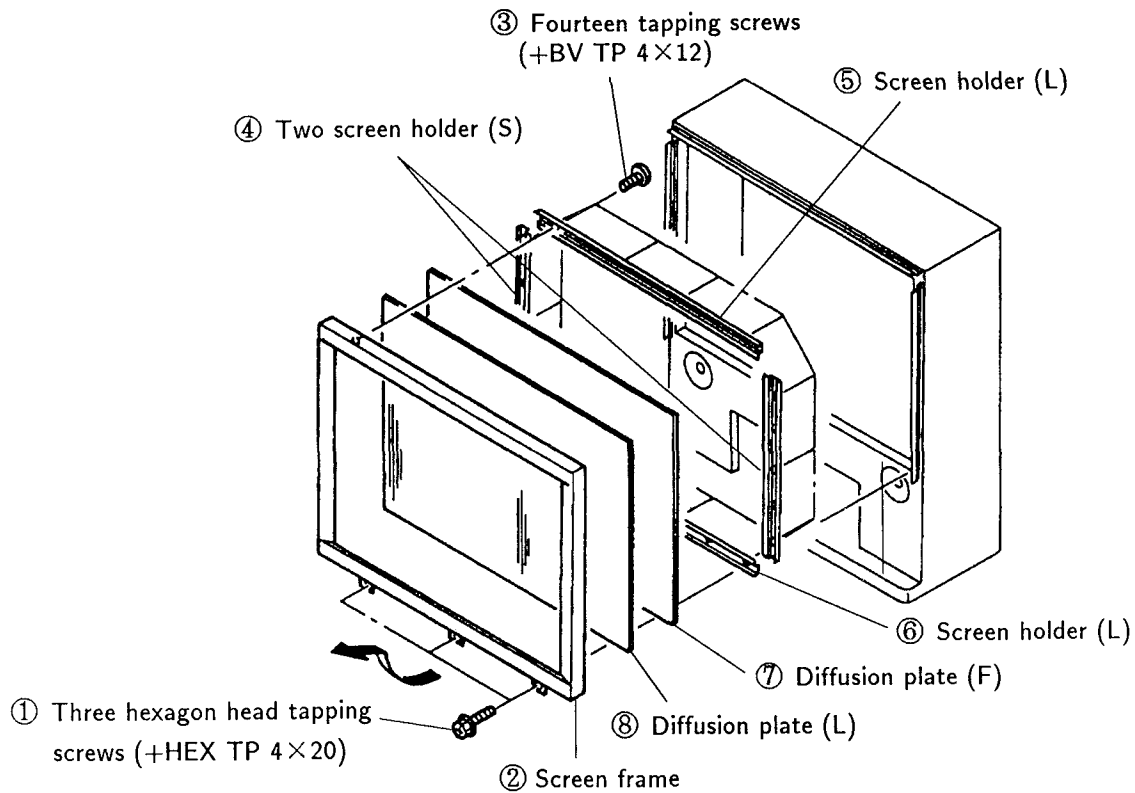
2-1. H BOARD REMOVAL



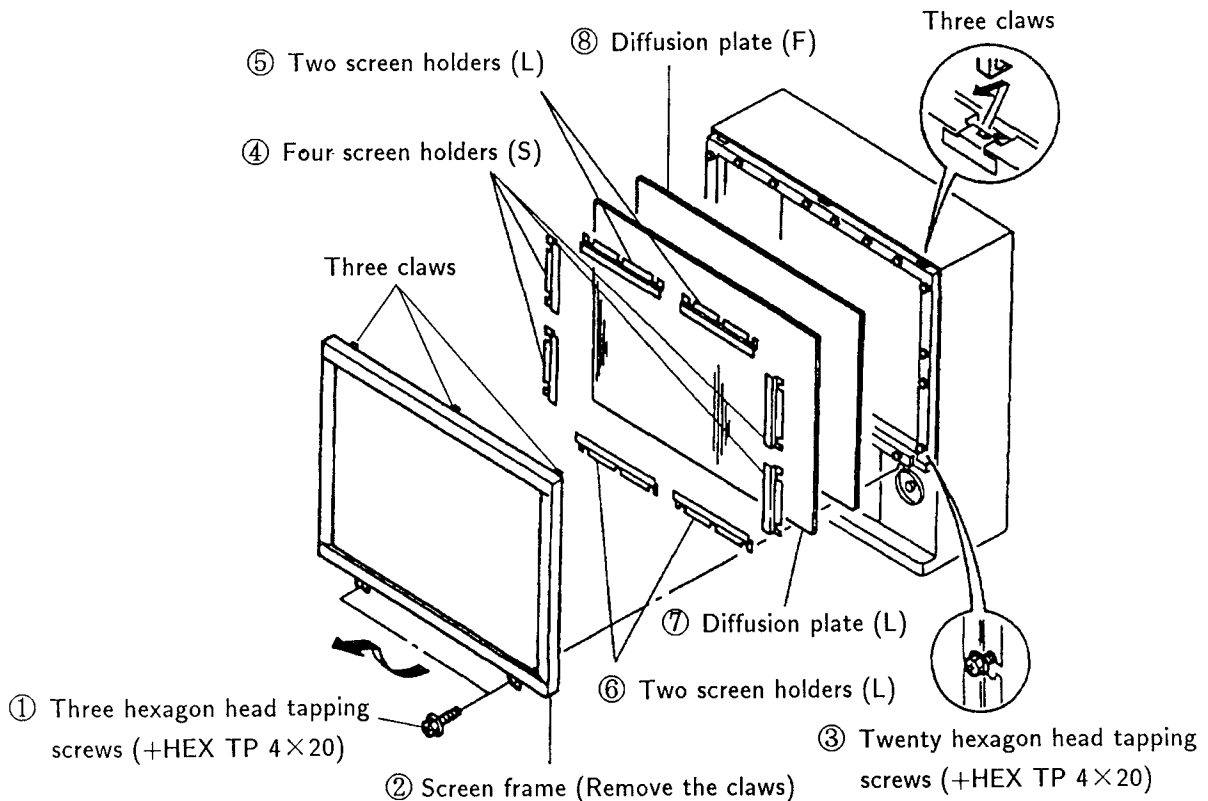
2-2. D BOARD REMOVAL



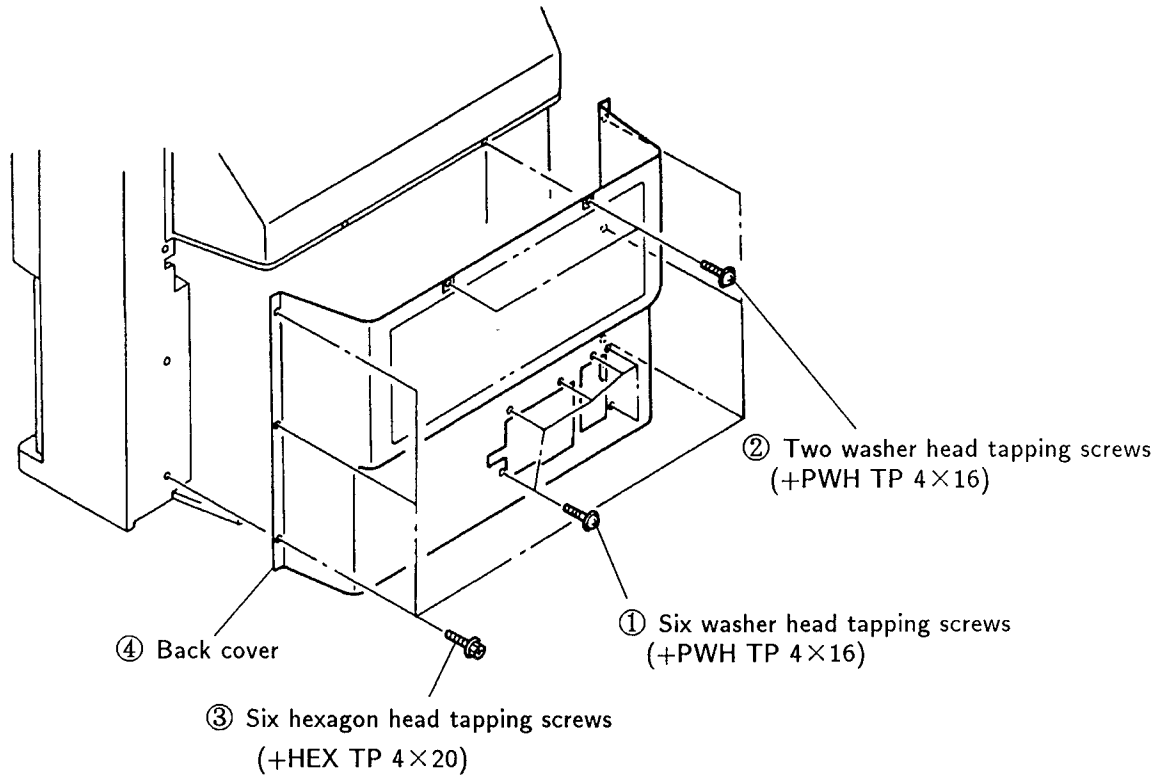
2-3-1. DIFFUSION PLATE REMOVAL (KP-46S55 only)



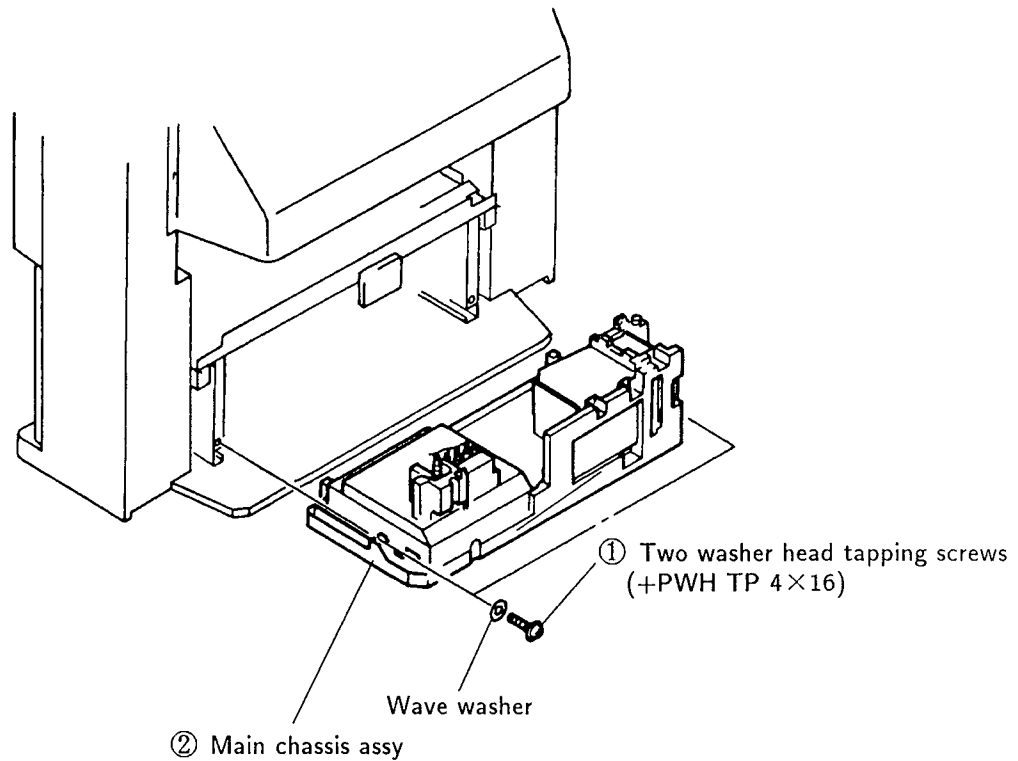
2-3-2. DIFFUSION PLATE REMOVAL (KP-53S55 only)



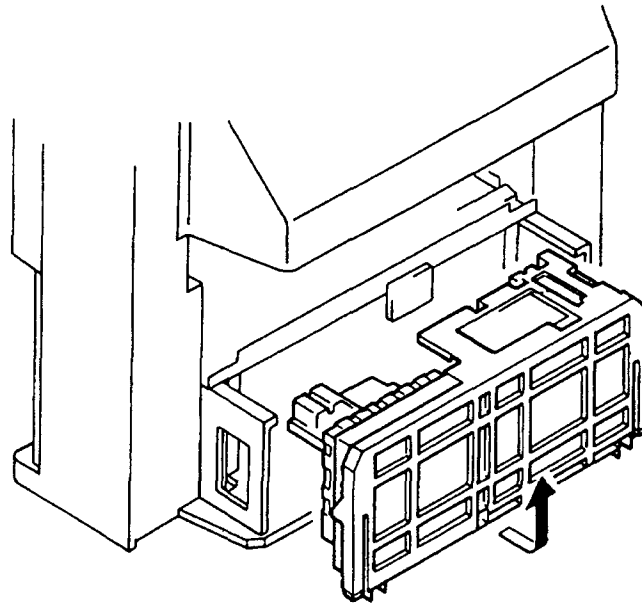
2-4. BACK COVER REMOVAL



2-5. MAIN CHASSIS ASSY REMOVAL



2-6. SERVICE POSITION



NOTES INSERTED IN SERVICE POSITION SECTION

Service Position Procedure

- (1) Remove the path locks where the harness comes into.
(MAIN bracket, G shield)
- (2) Remove the following connectors before removing the main bracket
 - * HV grounding lead, G shield grounding lead, uT35 grounding lead (uT board), V-2 connector (V board).
- (3) Remove the main bracket. (Take care as the connector leads linking to the C and Z boards are considerably short.)
(MAIN bracket, G shield)
- (4) When pulling out the main bracket with power ON, be sure to connect the connectors removed
 - * HV grounding lead, G shield grounding lead, uT35 grounding lead (uT board).

In case that grounding lead (Black) of HV Block is not connected with chassis grounding, it causes arcing of CRT and it is dangerous.

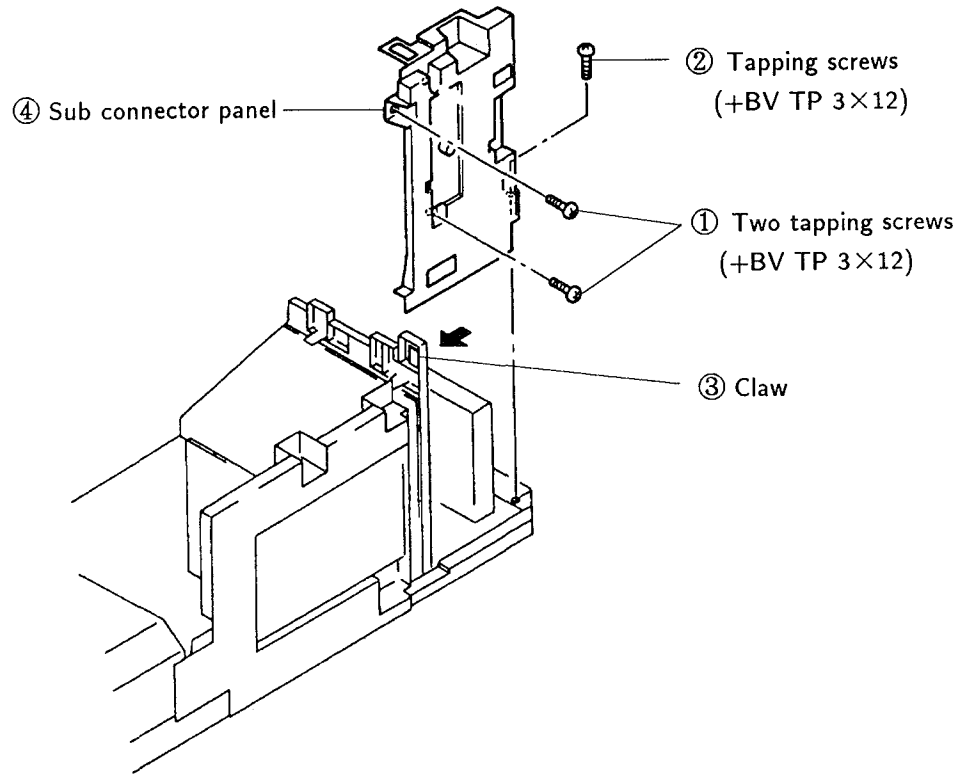
Be sure to connect grounding lead of HV Block with chassis grounding.

CONNECTOR CABLES

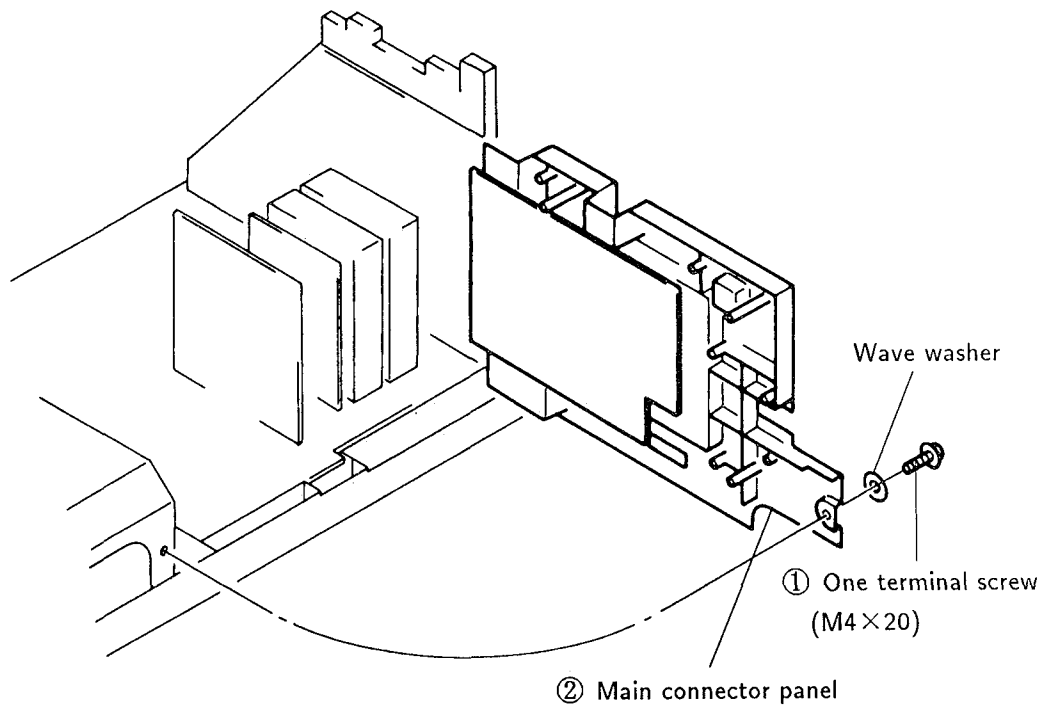
※ In order to put the set in the service position, use the extension connector cables below.

<table border="1"> <thead> <tr> <th>Parts No.</th> <th>Connection</th> </tr> </thead> <tbody> <tr> <td>1-941-897-38</td> <td>CB-4 (G-4)</td> </tr> </tbody> </table> <p>1: Brown 2: — 3: — 4: Yellow 5: Green 6: — 7: — 8: Gray</p> <p>White L=140 White</p>	Parts No.	Connection	1-941-897-38	CB-4 (G-4)	<table border="1"> <thead> <tr> <th>Parts No.</th> <th>Connection</th> </tr> </thead> <tbody> <tr> <td>1-941-897-43</td> <td>CR-15 (A-15)</td> </tr> </tbody> </table> <p>1: White/Gray 2: Gray/Shield 3: Orange 4: Red/Gray 5: Gray/Shield</p> <p>Red L=180 Red</p>	Parts No.	Connection	1-941-897-43	CR-15 (A-15)
Parts No.	Connection								
1-941-897-38	CB-4 (G-4)								
Parts No.	Connection								
1-941-897-43	CR-15 (A-15)								
<table border="1"> <thead> <tr> <th>Parts No.</th> <th>Connection</th> </tr> </thead> <tbody> <tr> <td>1-941-897-39</td> <td>CG-16 (A-16)</td> </tr> </tbody> </table> <p>1: White/Gray 2: Gray/Shield 3: Orange 4: Red/Gray 5: Gray/Shield</p> <p>Yellow L=110 Yellow</p>	Parts No.	Connection	1-941-897-39	CG-16 (A-16)	<table border="1"> <thead> <tr> <th>Parts No.</th> <th>Connection</th> </tr> </thead> <tbody> <tr> <td>1-941-897-44</td> <td>ZR-1 (D-1)</td> </tr> </tbody> </table> <p>1: Brown 2: Red 3: Orange 4: Yellow 5: Green 6: Blue 7: Violet</p> <p>White L=150 White</p>	Parts No.	Connection	1-941-897-44	ZR-1 (D-1)
Parts No.	Connection								
1-941-897-39	CG-16 (A-16)								
Parts No.	Connection								
1-941-897-44	ZR-1 (D-1)								
<table border="1"> <thead> <tr> <th>Parts No.</th> <th>Connection</th> </tr> </thead> <tbody> <tr> <td>1-941-897-40</td> <td>ZG-19 (A-19)</td> </tr> </tbody> </table> <p>1: Green 2: — 3: Black 4: — 5: Brown</p> <p>White L=150 White</p>	Parts No.	Connection	1-941-897-40	ZG-19 (A-19)	<table border="1"> <thead> <tr> <th>Parts No.</th> <th>Connection</th> </tr> </thead> <tbody> <tr> <td>1-941-897-45</td> <td>A-21 (CRT BRACKET)</td> </tr> </tbody> </table> <p>1: Black 2: Black</p> <p>White L=40 White</p>	Parts No.	Connection	1-941-897-45	A-21 (CRT BRACKET)
Parts No.	Connection								
1-941-897-40	ZG-19 (A-19)								
Parts No.	Connection								
1-941-897-45	A-21 (CRT BRACKET)								
<table border="1"> <thead> <tr> <th>Parts No.</th> <th>Connection</th> </tr> </thead> <tbody> <tr> <td>1-941-897-41</td> <td>ZR-18 (A-18)</td> </tr> </tbody> </table> <p>1: Red 2: — 3: Black 4: — 5: Brown</p> <p>White L=150 White</p>	Parts No.	Connection	1-941-897-41	ZR-18 (A-18)	<table border="1"> <thead> <tr> <th>Parts No.</th> <th>Connection</th> </tr> </thead> <tbody> <tr> <td>1-941-897-47</td> <td>A-3 (G-3)</td> </tr> </tbody> </table> <p>1: Red 2: White 3: Gray/Shield 4: Black</p> <p>Red L=100 Red</p>	Parts No.	Connection	1-941-897-47	A-3 (G-3)
Parts No.	Connection								
1-941-897-41	ZR-18 (A-18)								
Parts No.	Connection								
1-941-897-47	A-3 (G-3)								
<table border="1"> <thead> <tr> <th>Parts No.</th> <th>Connection</th> </tr> </thead> <tbody> <tr> <td>1-941-897-42</td> <td>ZG-2 (D-2)</td> </tr> </tbody> </table> <p>1: — 2: Red 3: Orange 4: Yellow 5: Green 6: Blue 7: Violet 8: Gray</p> <p>White L=130 White</p>	Parts No.	Connection	1-941-897-42	ZG-2 (D-2)					
Parts No.	Connection								
1-941-897-42	ZG-2 (D-2)								

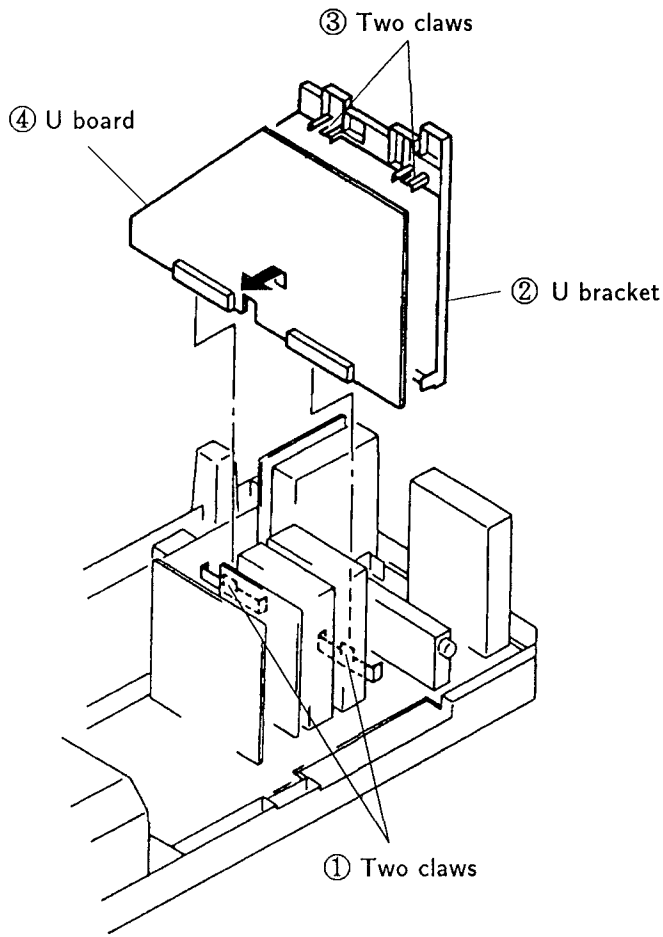
2-7. SUB CONNECTOR PANEL REMOVAL



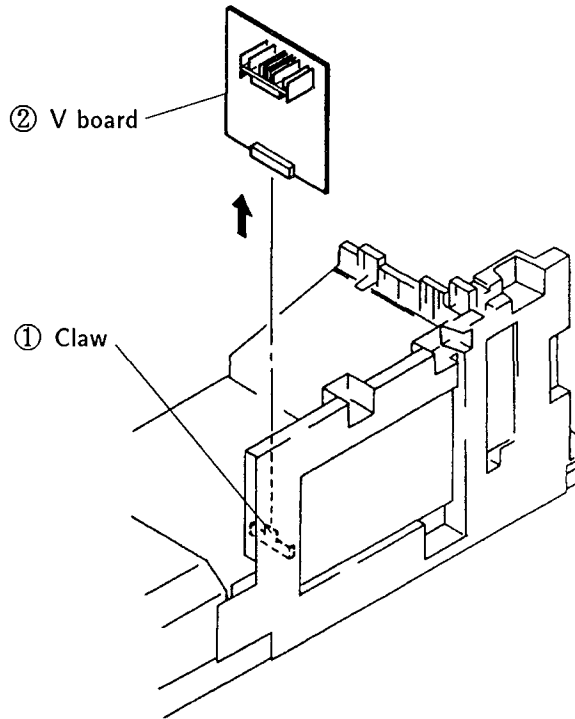
2-8. MAIN CONNECTOR PANEL REMOVAL



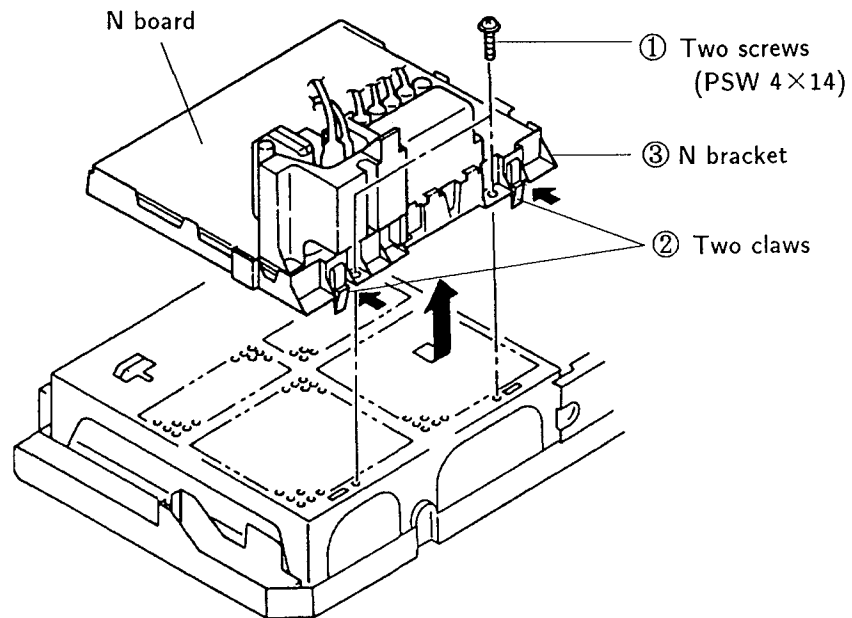
2-9. U BOARD REMOVAL



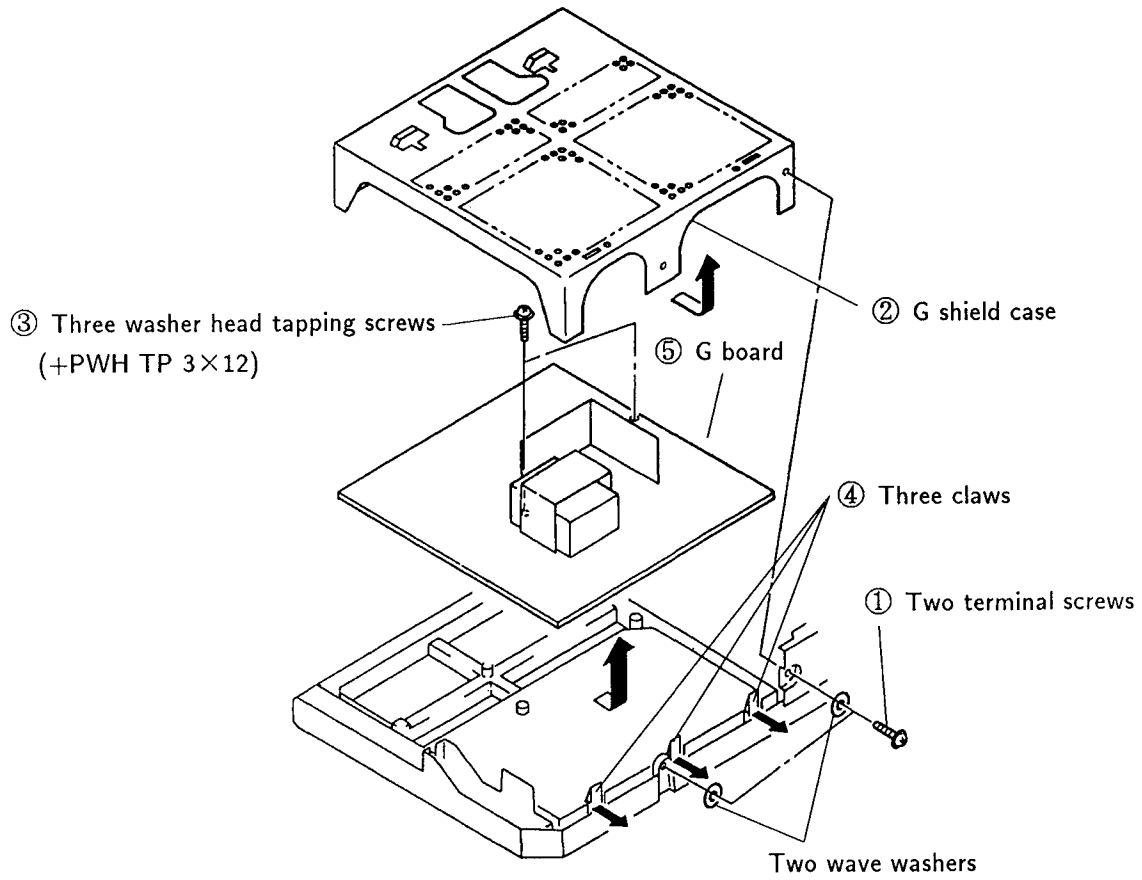
2-10. V BOARD REMOVAL



2-11. N BRACKET REMOVAL

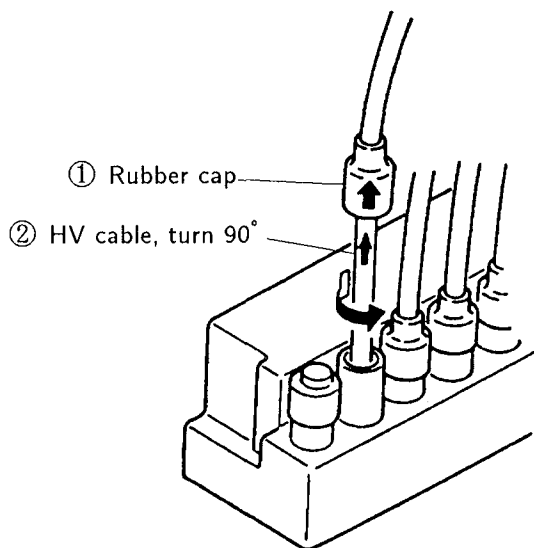


2-12. G BOARD REMOVAL

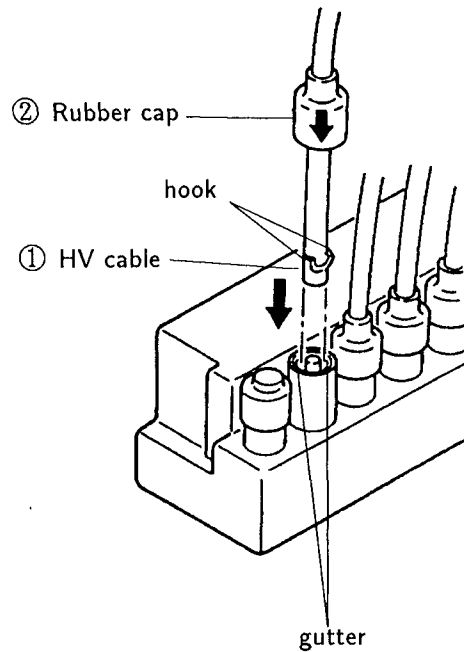


2-13. HIGH-VOLTAGE CABLE INSTALLATION AND REMOVAL

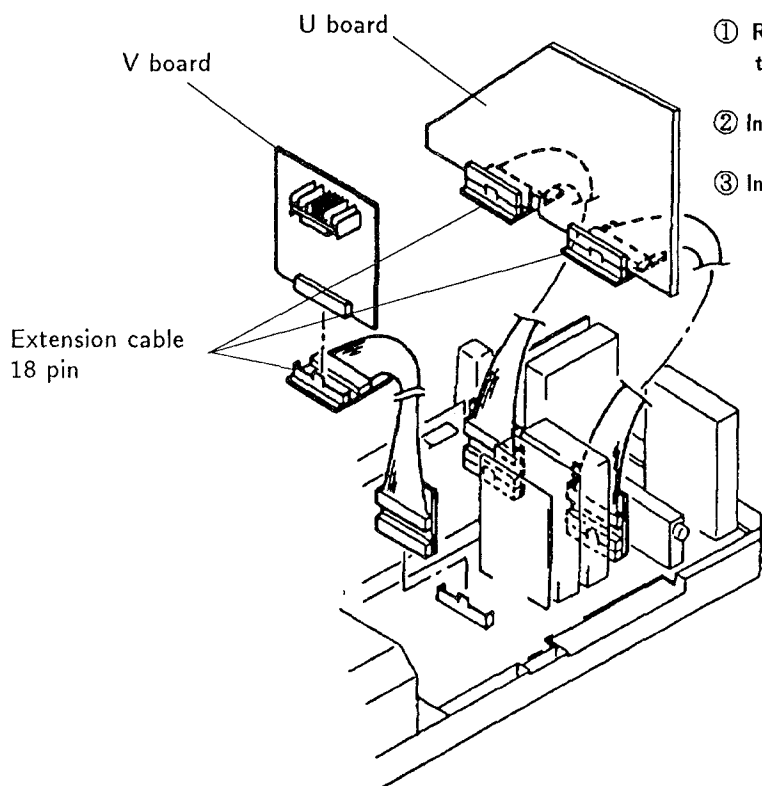
(1) Remover



(2) Installation

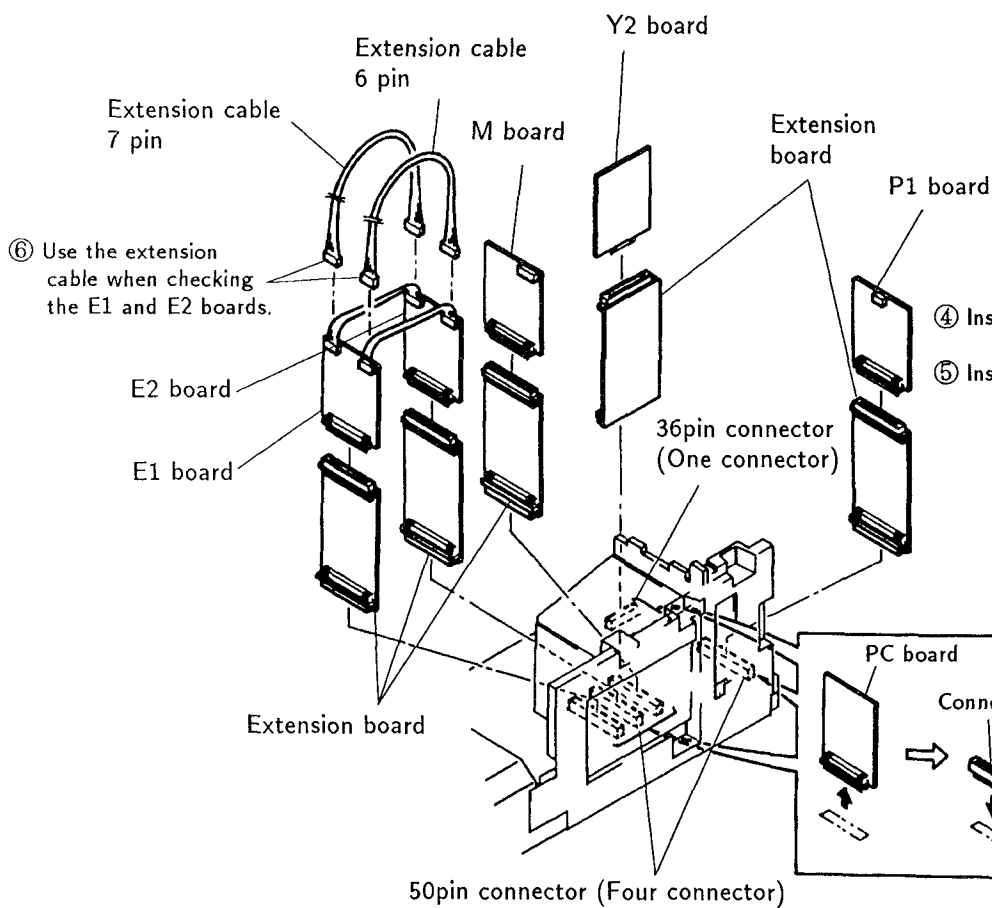


2-14. EXTENSION CABLE AND EXTENSION BOARD



- ① Remove the board from the connector.
- ② Install the extension cable.
- ③ Install the board

Exterior	
Extension cable	
1-941-891-33	
1-941-891-31	
1-941-891-32	
3-702-558-01	
3-702-557-01	
3-702-561-01	
3-702-560-01	
3-702-559-01	



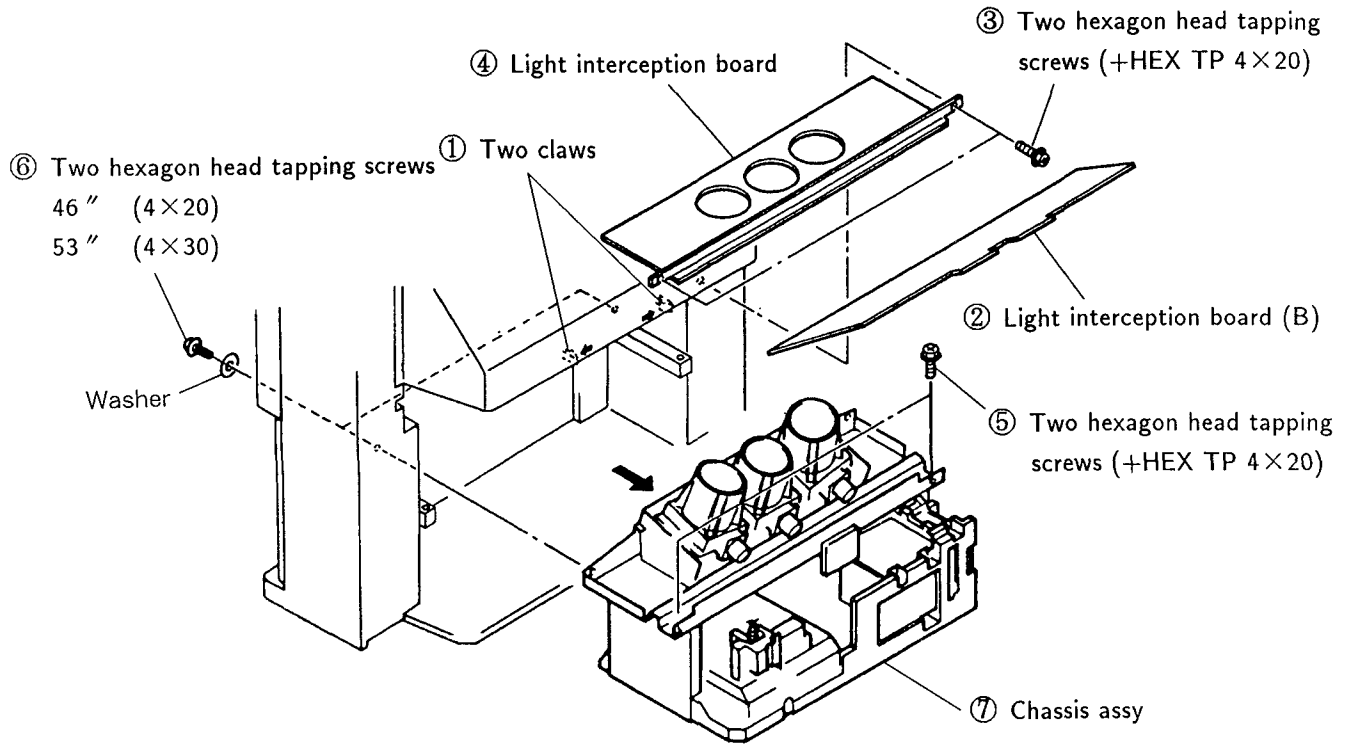
⑥ Use the extension cable when checking the E1 and E2 boards.

- ④ Install the PC board removed.
- ⑤ Install the extension board.

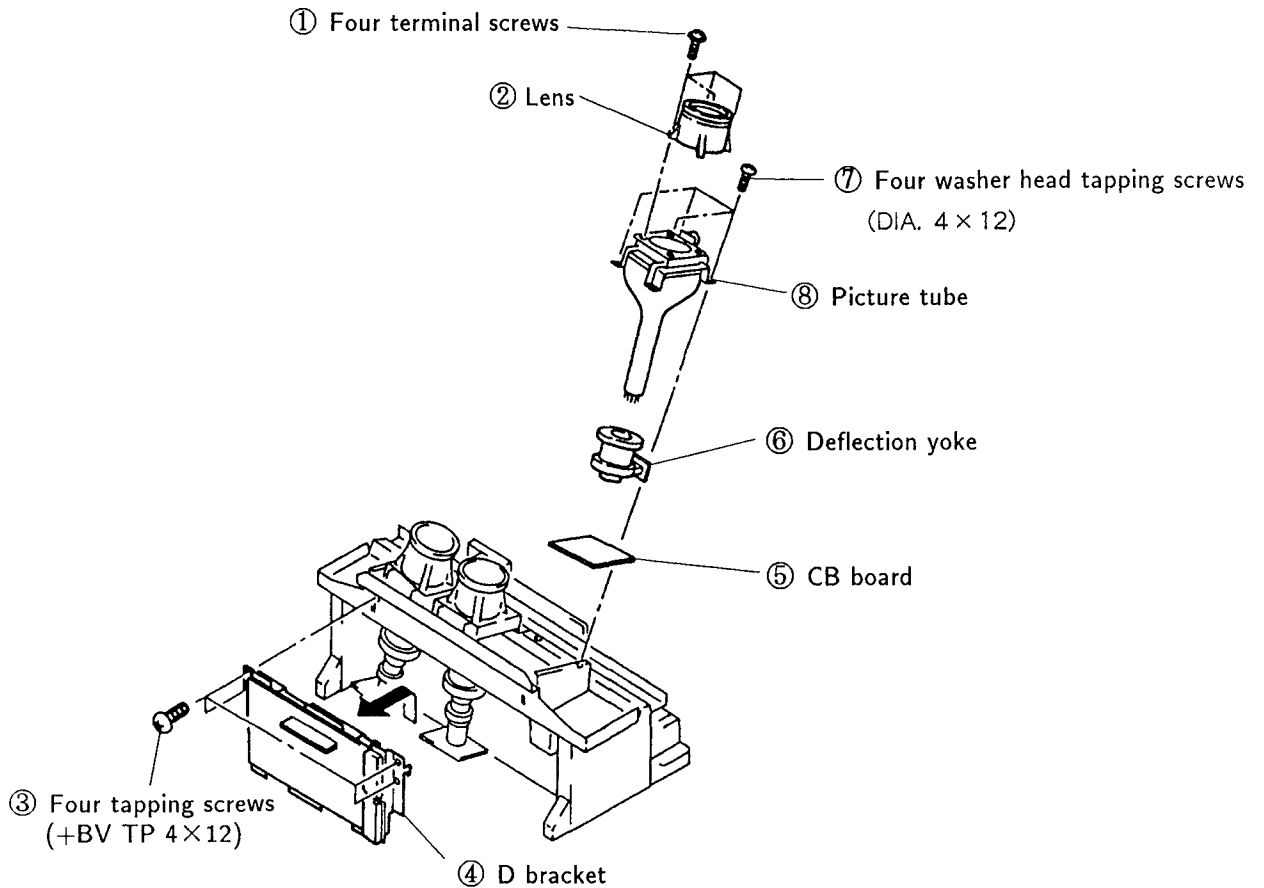
(1) De-solder the PC board and remove it.

(2) Solder the connector

2-15. CHASSIS ASSY REMOVAL



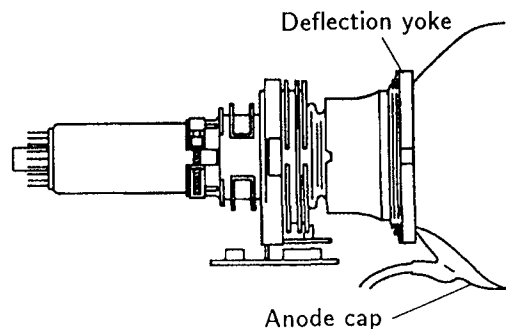
2-16. PICTURE TUBE REMOVAL



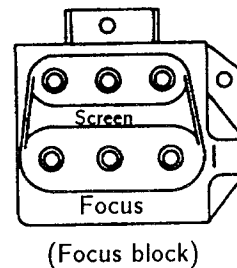
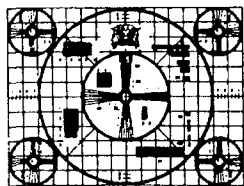
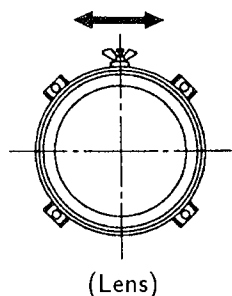
SECTION 3 SET-UP ADJUSTMENTS

3-1. FOCUS LENS ADJUSTMENTS

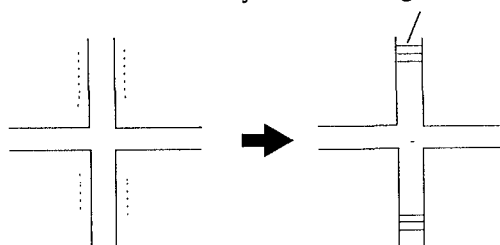
1. Set the D-board registration variable resistors (VR) to mechanical center.
2. Set the centering magnets (for red, green, and blue) to 0 as shown in the figure.



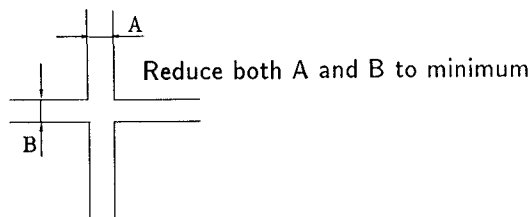
3. Input monoscope signal. Set 50% BRIGHTNESS and minimum PICTURE. Make rough adjustment so that 10IRE of the monoscope signal becomes faintly luminous using the screen VRs.
4. Set PICTURE and BRIGHTNESS maximum. Press the commander menu button. Select CONVERGENCE to display test signal.
5. Enter service mode. Select R OFF of SERVICE MODE to cut off red output. Similarly, select B OFF to cut off blue output.
6. Turn the green lens to eliminate flare of the test signal.



Verify that scanning lines are seen



7. Turn the green focus VR in the focus block to adjust green focus to reduce both A and B of the test signal to minimum.



8. Repeat above 6 and 7. Couple of times to improve tracking and obtain an optimum focus. Then tighten the green lens screw.
9. Adjust the red and blue focuses similarly.

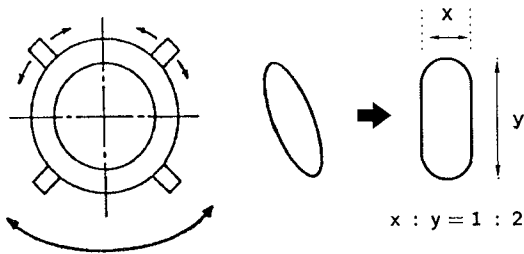
3-2. DEFLECTION YOKE POSITION ADJUSTMENTS

1. Input monoscope signal.
2. Enter service mode. Select R OFF of SERVICE MODE to cut off red output. Similarly, select B OFF to cut off blue output.
3. Loosen the deflection yoke (DY) fitting screws. Tilt the DY to obtain the best horizontal and vertical monoscope patterns.
4. After adjustment, press the DY onto the cathode ray tube (CRT) funnel and tighten the screws.
5. Also adjust DY positions for red and blue outputs in the same way.

3-3. 4-POLE MAGNET ADJUSTMENT (BLUE)

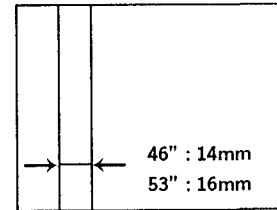
1. Input dot signal.
2. Enter service mode. Select R OFF of SERVICE MODE to cut off red output.
Similarly, select G OFF to cut off green output.
3. Set PICTURE to maximum. Turn the blue focus variable resistor (VR) in the focus block clockwise from the just focus until the dot diameter becomes as shown below.
46" : 17 ~ 22 mm
53" : 19 ~ 26 mm
4. Adjust the 4-pole magnet to make the dot as shown below.
5. Turn the blue focus variable resistor to the just focus.

* Use the vertical center and left end dot



3-4. DE-FOCUS ADJUSTMENT (BLUE)

1. Input cross hatch signal.
2. Turn the blue focus variable resistor (VR) in the focus block counter clock wise so that the width of the left end vertical line becomes as shown below.

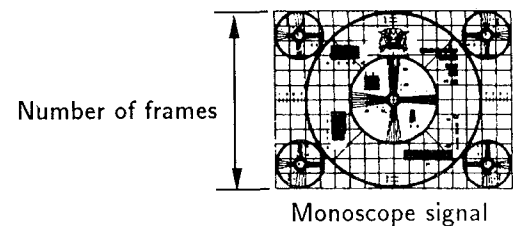


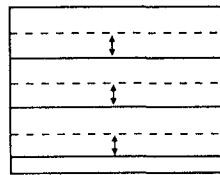
without flare

3-5. GREEN PICTURE ADJUSTMENTS

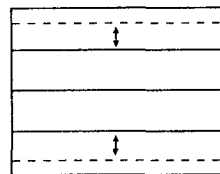
1. Input monoscope signal.
2. Enter service mode. Select R OFF of SERVICE MODE to cut off red output.
Similarly, select B OFF to cut off blue output.
3. Turn RV913 and RV960, the vertical green linearity variable resistors (V.G LIN VRs) on the D-board, to obtain an optimum vertical linearity. Then turn RV911, the vertical green amplitude variable resistor (V.G SIZE VR) to set vertical amplitude to 11.7 frames.

Note: The vertical position indicator of the monoscope signal must be positioned at the center by adjusting RV905, the vertical green center position variable resistor (V.G CENT VR) in advance.

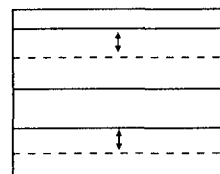






RV905 V.G CENT
(vertical position)

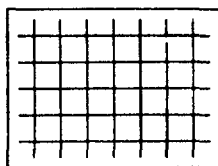



RV911 V.G SIZE
(vertical amplitude)




RV913 V.G LIN
(vertical linearity)

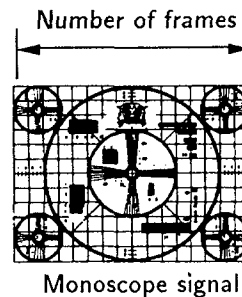
4. Verify that the horizontal lines on the top and bottom of cross-hatched area of the monoscope signal are horizontal and linear.



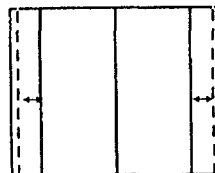
5. Turn RV916, RV964 and RV969, the horizontal green linearity variable resistors (H.G LIN VRs) on the D-board, to obtain an optimum horizontal linearity.


Then turn RV908, the horizontal green amplitude variable resistor (H.G SIZE VR) to set horizontal amplitude to 15.6 frames.

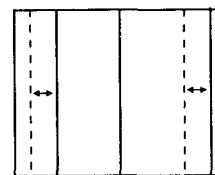
Note: The horizontal position indicator of the monoscope signal must be positioned at the center by adjusting RV902, the horizontal green center position variable resistor (V.G CENT VR) in advance.



Monoscope signal




RV908 H.G SIZE
(horizontal position)



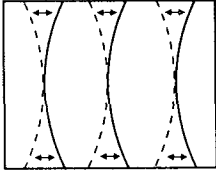

RV916 H.G LIN
(horizontal linearity)

6. Input cross hatch signal.
Turn vertical green (V.G) and horizontal green (H.G) variable resistors (VRs) and make adjustments according to the following steps :

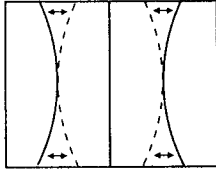
(Adjustment procedure)

1. [BOW] → [SKEW] → [CENT (center position)]
2. [PIN (pin warp)] → [SUB BOW] → [BOW]
3. [KEYS (trapezoid)] → [SUB SKEW] → [SKEW]
4. [M.WAVE (middle sine wave warp)] →
[WAVE-A (upper and lower sine wave warp)] →
[WAVE-U (upper sine wave warp)]
※ For vertical (V) only.
5. [V-M.PIN (vertical middle pin warp)] →
[V/WING (vertical wing warp)]
※ For vertical (V) only.
6. [H-M.PIN (horizontal middle pin warp)]
※ For horizontal (H) only.

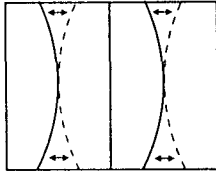
(Dot motion)



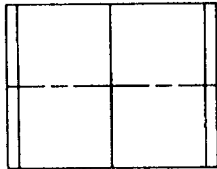

RV932 H.G BOW
(horizontal green bow)



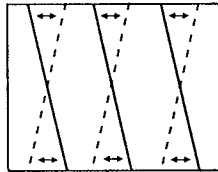

RV941 H.G PIN
(horizontal green pin warp)




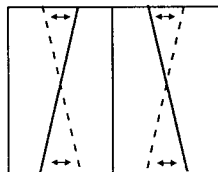

RV950 H.G SUB BOW
(horizontal green sub bow)



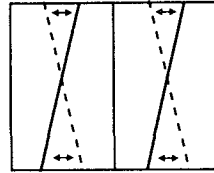
V.G BOW.....RV935
V.G PIN ·····RV938
V.G SUB BOW ·····RV953




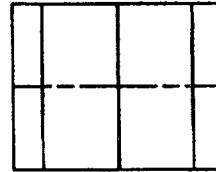

RV920 H.G SKEW
(horizontal green skew)



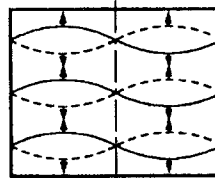

RV925 H.G KEYS
(horizontal green trapezoid)




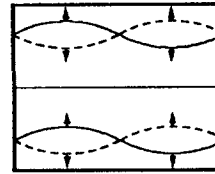

RV944 H.G SUB SKEW
(horizontal green sub skew)




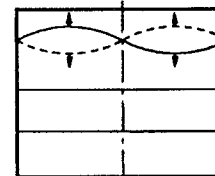
V.G SKEW.....RV923
V.G KEYS.....RV929
V.G SUB SKEW.....RV947




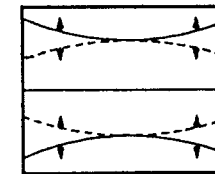

RV962 V-M-WAVE
(vertical middle sine wave warp)




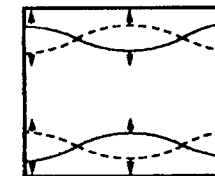

RV975 V-WAVE-A
(vertical upper and lower
sine wave warp)




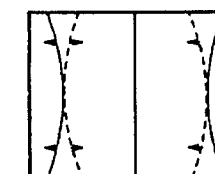

RV978 V-WAVE-U
(vertical upper sine wave warp)





RV980 V-M. PIN
(vertical middle pin warp)
※ Common in red, green,
and blue




RV957 V/WING
(wing warp)
※ Common in red, green,
and blue




RV956 H/M. PIN
(horizontal middle pin warp)

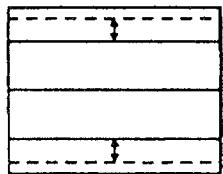
3-6. GREEN AND RED REGISTRATION ADJUSTMENTS

1. Input cross hatch signal.
2. Enter service mode. Select B OFF of SERVICE MODE to cut off blue output.
3. Turn the vertical red (V.R) and horizontal red (H.R) variable resistors (VRs) to adjust red picture convergence in relation to green picture according to the following steps :

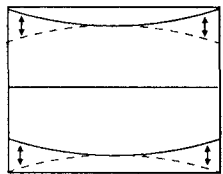
(Adjustment procedure)


1. [LIN (linearity)] → [SIZE (amplitude)] → [CENT (center position)]
 2. [BOW] → [SKEW] → [CENT (center position)]
 3. [PIN (pin warp)] → [SUB BOW] → [BOW] [H/M. PIN (horizontal middle pin warp)]
 4. [KEYS (trapezoid)] → [SUB SKEW] → [SKEW]
 5. [M.WAVE (middle sine wave warp)] → [WAVE-A (upper and lower sine wave warp)] → [WAVE-U (upper sine wave warp)]
- ※ For vertical (V) only.

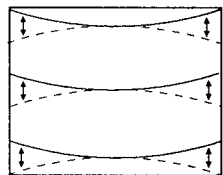
(Dot motion)




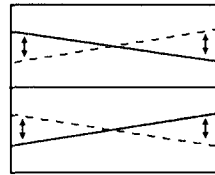

RV912 V.B SIZE
(vertical red amplitude)



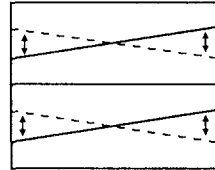

RV952 V.R SUB BOW
(vertical red sub bow)




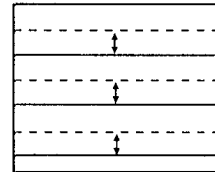

RV943 V.R BOW
(vertical red bow)



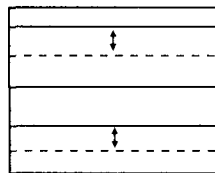

RV928 V.R KEYS
(vertical red trapezoid)



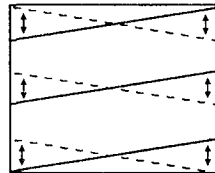

RV946 V.R SUB SKEW
(vertical red sub skew)





RV904 V.R CENT
(vertical red center position)




RV917 V.R LIN
(vertical red linearity)




RV922 V.R SKEW
(vertical red skew)

H.R LIN	RV915
H.R SIZE	RV907
H.R CENT	RV901
H.R BOW	RV931
H.R SKEW	RV919
H.R PIN	RV940
H.R KEYS	RV926
H.R SUB BOW	RV949
H.R SUB SKEW	RV943
V-M-WAVE	RV973
V-WAVE-A	RV976
V-WAVE-U	RV979
V-M.PIN	RV980
V/WING	RV957
H/M.PIN	RV956

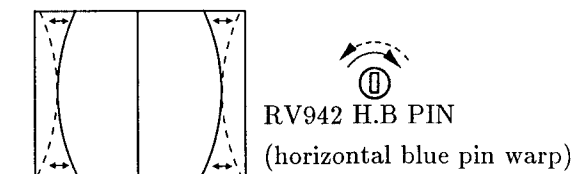
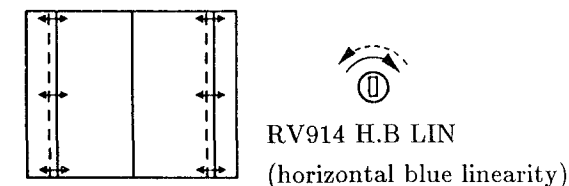
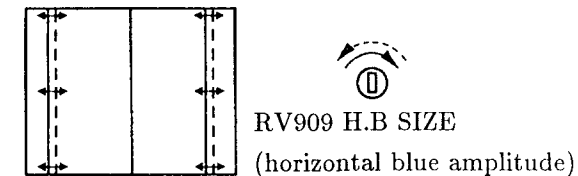
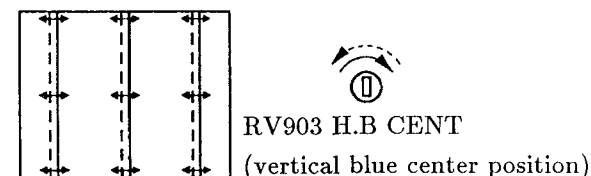
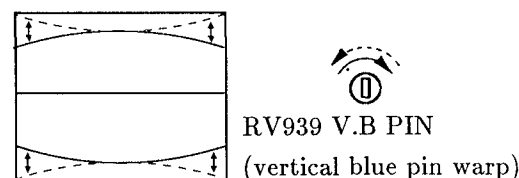
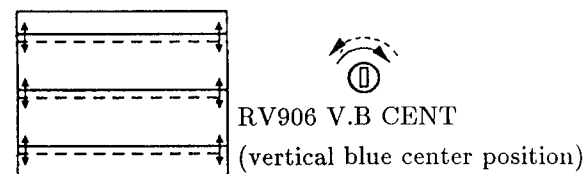
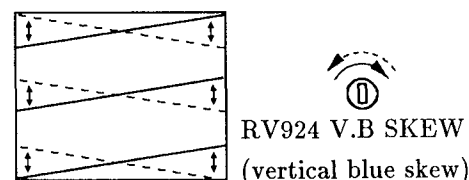
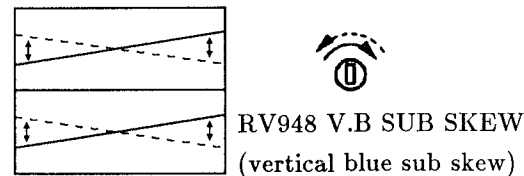
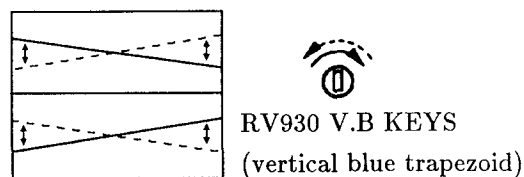
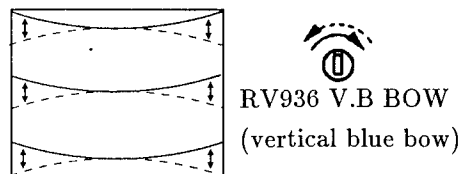
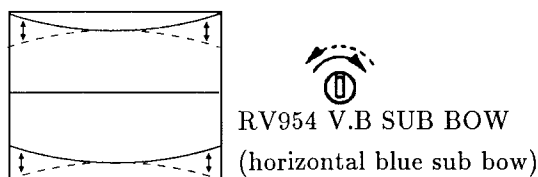
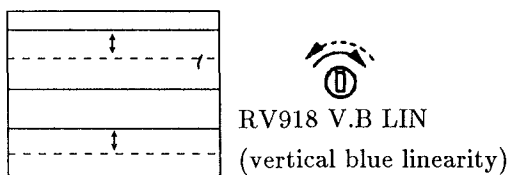
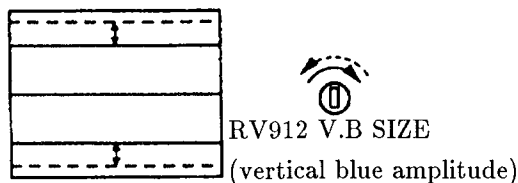
3-7. GREEN AND BLUE REGISTRATION ADJUSTMENTS

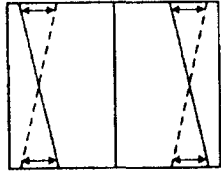
1. Input cross hatch signal.
2. Enter service mode. Select R OFF of SERVICE MODE to cut off red output.
3. Turn the vertical blue (V.B) and horizontal blue (H.B) variable resistors (VRs) to adjust blue picture convergence in relation to green picture according to the following steps :

(Adjustment procedure)

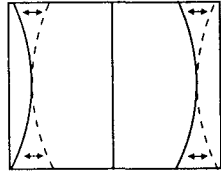
1. [LIN (linearity)] → [SIZE (amplitude)] → [CENT (center position)] →
2. [BOW] → [SKEW] → [CENT (center position)]
3. [PIN (pin warp)] → [SUB BOW] → [BOW] [H/M. PIN (horizontal middle pin warp)]
4. [KEYS (trapezoid)] → [SUB SKEW] → [SKEW]
5. [M.WAVE (middle sine wave warp)] → [WAVE-A (upper and lower sine wave warp)] → [WAVE-U (upper sine wave warp)] →

(Dot motion)

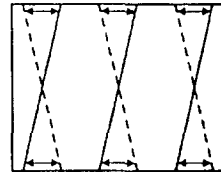




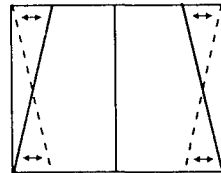
RV954 H.B SUB SKEW
(horizontal blue sub skew)



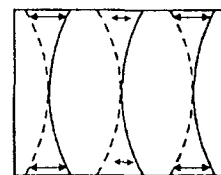
RV951 H.B SUB BOW
(horizontal blue sub bow)



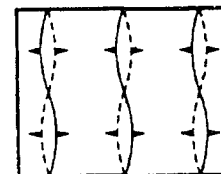
RV921 H.B SKEW
(horizontal blue skew)



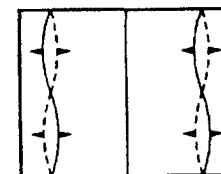
RV927 H.B KEYS
(horizontal blue trapezoid)



RV933 H.B BOW
(horizontal blue bow)



RV981
※ Common in red, green, and blue



RV982
※ Common in red, green, and blue

- H/M PINRV958
- M.WAVE.....RV961
- WAVE-A.....RV974
- WAVE-U.....RV977

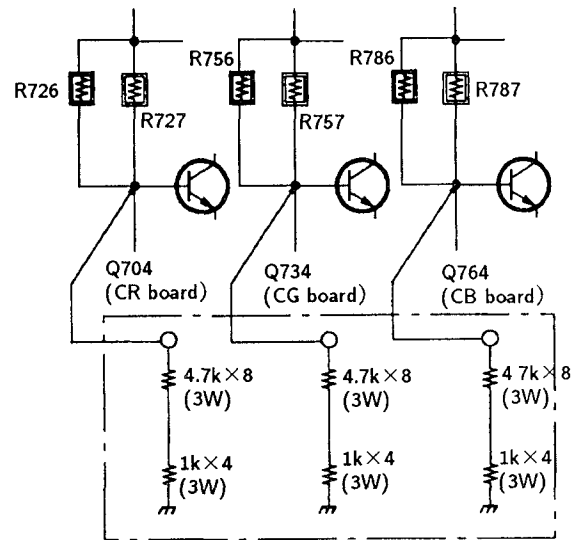
3-8. REGISTRATION CHECK

1. Out put red, blue, and green.
2. Out put cross hatch and monoscope signals to check registration. Also check focus.

3-9. WHITE BALANCE ADJUSTMENTS

1) Screen adjustment

1. Input white signal.
2. Remove connectors CR-15, CG-16, and CB-17.
3. Fit jigs between the ground and R726, R756, and R787.



※ Resistors in each jig are connected serial.

4. Turn the RGB (red, green, and blue) screen variable resistors in the focus block to make the flyback line faint. Stop before the line completely disappears.
5. Insert connectors CR-15, CG-16, and CB-17.

2) White balance adjustments (SBRT, GAMP, BAMP, GCUT, BCUT)

1. Input monoscope signal and enter service mode.
2. Select the picture quality adjustment from the menu and set PICTURE minimum.
3. Use the commander to adjust SBRT so that 10 IRE of the monoscope pattern becomes faintly luminous.
4. Input white signal.
5. Set PICTURE minimum. Adjust item GCUT and BCUT to obtain an optimum white balance.
6. Set PICTURE maximum. Adjust GAMP and BAMP to obtain an optimum white balance.
7. Repeat white balance adjustment alternating PICTURE setting at the minimum and maximum.

SECTION 4 SAFETY RELATED ADJUSTMENT

4-1. SAFETY RELATED ADJUSTMENTS

When replacing the following components, make the HV REGULATOR adjustments (on the N board)

- HV block, IC803, IC805, D805, D807, C817, C818, C821, C836, C837, R824, R825, R827, R828, R834, R835, R836, R864, R865, R866, R902

When replacing the following components, make the HV HOLD DOWN adjustments (on the N board)

- HV block, IC803, IC804, Q804, D806, D808, C809, C819, C820, C822, C823, C850, R807, R826, R829, R832, R833, R837, R838, R839, R840, R841, R892, R893, R900, R901

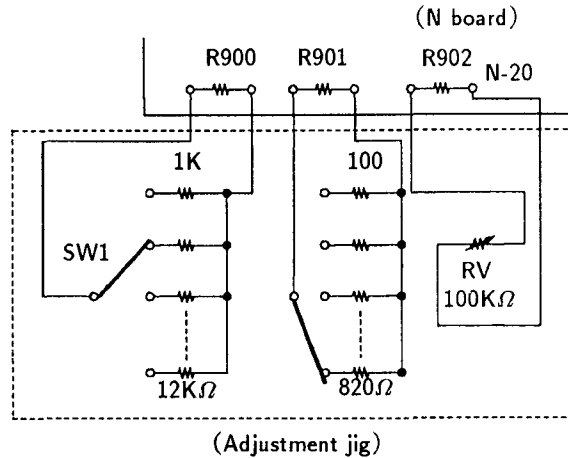
When replacing the following components, make the BEAM CURRENT PROTECTOR adjustments (on the N board)

- ① IC802, Q805, Q807, D811, D812, C810, C824, C825, C826, C827, C831, R810, R843, R844, R847, R848, R849, R850, R851, R852, R853, R854, R881
- ② IC804, Q804, Q808, D808, D809, C809, C828, C829, C830, C831, R807, R839, R840, R841, R847, R848, R849, R850, R851, R852, R855, R856, R857, R881

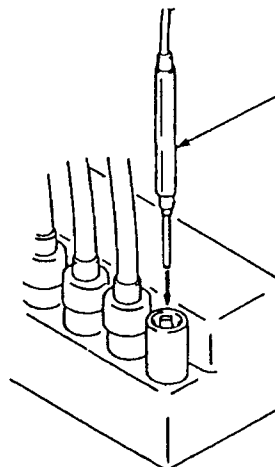
When replacing the following components, make the OVP CIRCUIT adjustments (on the G board)

- Q618, Q621, D628, C634, R639, R649, R652, R655, R656

— Checking with static voltmeter —



3. Connect an external variable resistor (RV) to R 902 of the N board.
4. Remove the cap off from the unused terminal of the high voltage block. Connect a static voltmeter to the terminal.



Remove the cap off from the unused terminal and connect a static voltmeter there

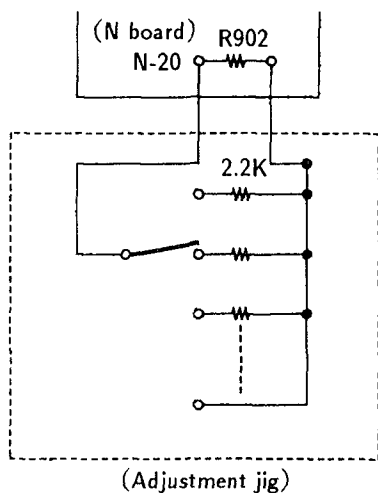
5. Receive 120 VAC power voltage and monoscope pattern signal. Maximize PICTURE and BRIGHTNESS.
6. Use the external variable resistor of the hold down adjustment jig to make the static voltmeter to read $33.50 \pm 0.50\text{kVDC}$.
7. Raise resistances with the jig until the HV hold down circuit is activated. Read the figures then, and mount resistance of the measured figures to R900 and R901.
R900 : Must be $1\text{k}\Omega$ to $12\text{k}\Omega$
R901 : Must be 100Ω to 820Ω
8. Turn on power again. Vary external variable resistance and confirm that the HV hold down circuit is activated at the reated value, $33.50 \pm 0.50\text{kV}$.

HV HOLD DOWN ADJUSTMENTS (R900, R901)

1. Verify that the power switch is off.
2. Connect the HV hold down adjustment resistance jig to the N20 connector on the N board.

HV REGULATOR ADJUSTMENTS (R902)

1. Connect the HV adjustment resistance jig to R902 of the N board.



2. Remove the red anode lead wire for the CRT tube from the high-voltage block and connect the static voltmeter instead.
3. Receive 120 VAC power voltage and monoscope pattern signal. Set PICTURE and BRIGHTNESS to the standard.
4. Turn on power. To adjust the resistance of R902 with the adjustment jig to read the rated value, $31.50 \pm 0.50\text{kV}$.
5. Receive all-white signal. Set BRIGHTNESS to the standard. Maximize PICTURE. Confirm that the rated value, $31.50 \pm 0.50\text{kV}$ is read.
6. Cut off RGB by R OFF, G OFF, B OFF of the service commander. Verify that the rated value, $31.50 \pm 0.50\text{kV}$, is read.

+B VOLTAGE CONFIRMATION

1. Receive 120 ± 1 VAC power voltage and monoscope pattern signal. Set BRIGHTNESS to standard and maximize PICTURE.
2. Connect a digital multimeter between the 115V line and the ground on the G board, and confirm that the rated value, $115.0 \pm 0.5\text{V}$ is read.

CHECKING AFTER REPLACING IC601

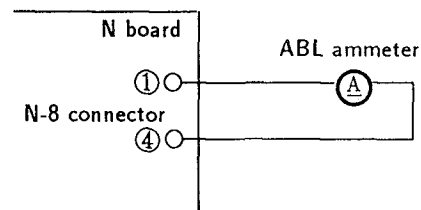
1. When replacing IC601, check the +B voltage.

CHECKING THE OVP (overvoltage protection) CIRCUIT (R652)

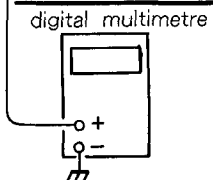
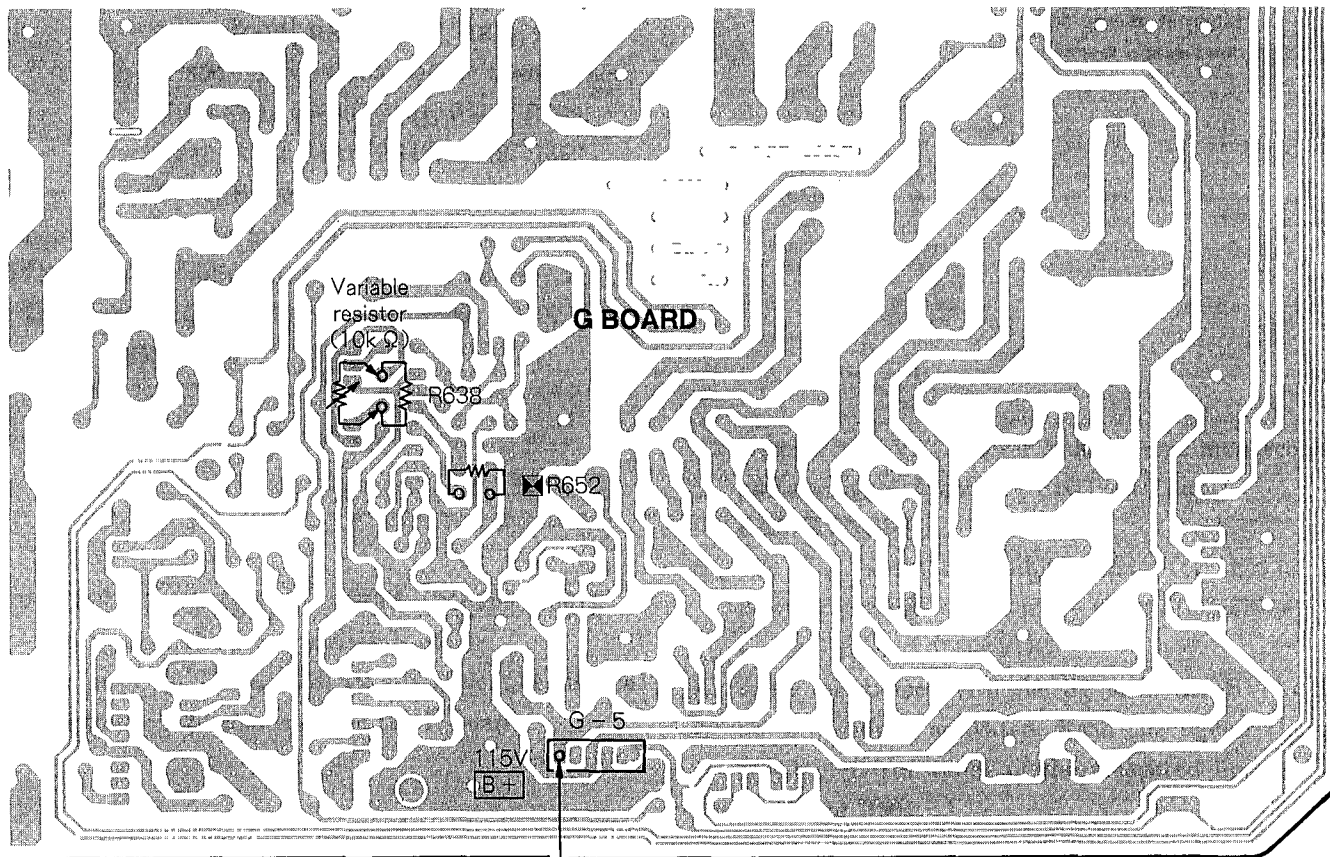
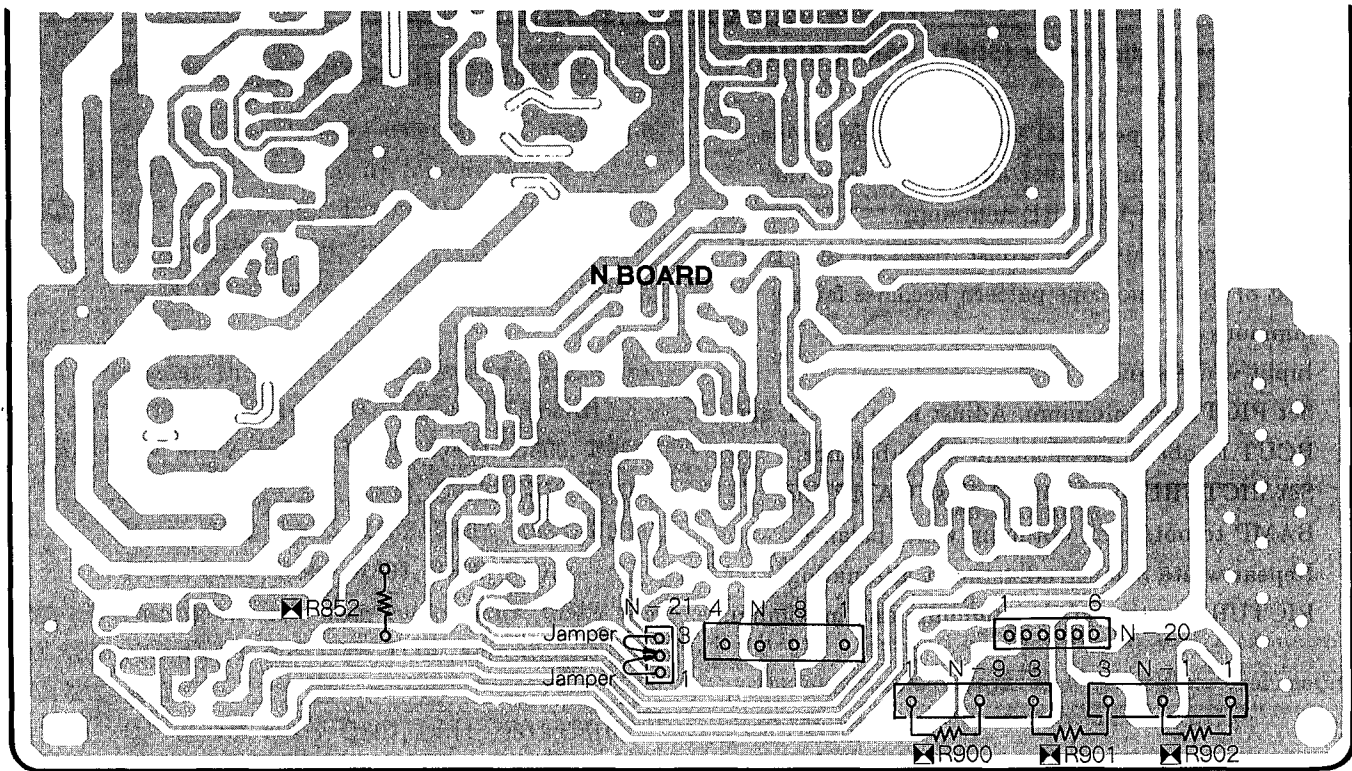
1. Receive 120 VAC power voltage and monoscope pattern signal. Maximize PICTURE and BRIGHTNESS.
2. Remove the jumper connector from the G-6 connector on the G board and connect a variable resistor (4.7 to $10\text{k}\Omega$) between pin ② and pin ③ of the G-6 connector.
3. Turn the variable resistor of $10\text{k}\Omega$ and confirm that the OVP circuit is activated and luster disappears when +B voltage reads the rated value, 125.0 ± 5.0 VDC.

BEAM CURRENT PROTECTOR CHECK (R852)

1. Receive 120 VAC power voltage and monoscope pattern signal. Maximize BRIGHTNESS.
2. Connect pin ① and pin ② of the N-21 connector. (on the N board)
3. Remove the jumper connector from the N-8 connector on the N board. Then connect an ABL ammeter between pin ① and pin ④ of the N-8 connector.



4. Raise PICTURE current gradually. Confirm that the beam current protector circuit is activated and luster disappears under the rated value, $3400 \mu\text{A}$.
5. Connect pin ③ and pin ② of the N-21 connector. Verify that the protector circuit is activated and luster disappears similarly.



— Checking without static voltmeter —

HV HOLD DOWN ADJUSTMENT (R900, R901)

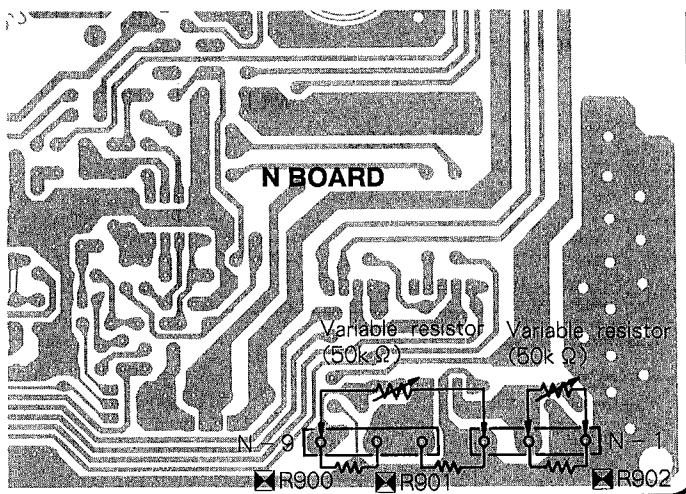
1. Receive all-white signal. Maximize PICTURE and BRIGHTNESS.
2. Remove R902 from the N board. Connect a variable resistor of $50k\Omega$ on each end, and minimize the resistance.
3. Remove R900 and R901 from the N board. Connect a variable resistor of $50k\Omega$ on each end, and minimize the resistance.
4. Connect a digital voltmeter between the D801 cathode and chassis ground of the N board.
5. Turn on the power switch. Adjust the variable resistors connected to the R902 of the N board to make the digital multimeter to read $145.0VDC$.
6. Adjust the variable resistors connected to R900 and R901 on the N board so as to activate the HV hold down circuit and turn off the display.
7. Read the variable resistors connected to R900 and R901 and mount fixed resistors of measured resistance to the terminals.

Note: Select fixed resistance from the following ranges.

R900: $1k\Omega$ to $12k\Omega$

R901: Jw 100Ω to 820Ω

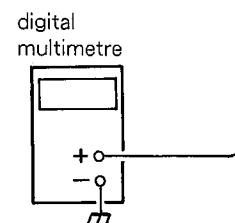
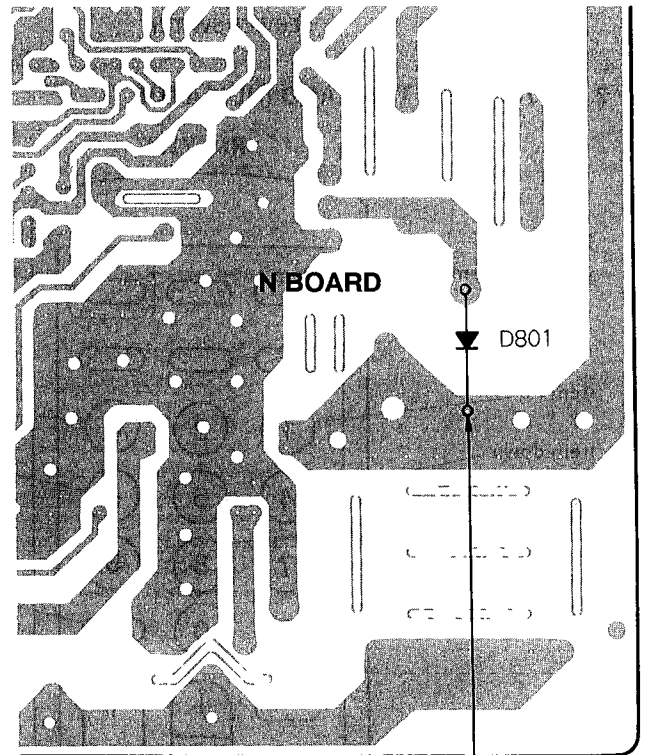
8. Maximize resistance of the variable resistor connected to R902 of the N board and turn on power.
9. Vary variable resistance at R902. Confirm that the HV hold down circuit is activated and the display is turned off when voltage reads $134 \pm 1.0V$.



HV REGULATOR ADJUSTMENT (R902)

1. Receive all-white signal. Maximize PICTURE and BRIGHTNESS.
2. Connect a variable resistor of $50k\Omega$ on each end of R902 of the N board. Maximize resistance.
3. Connect a digital voltmeter between the D801 cathode and the chassis of the N board.
4. Turn on power. Adjust the variable resistor so that the digital multimeter reads $135.0V \pm 1.0V$.
5. Read the variable resistance then.
6. Mount a fixed resistor of the measured resistance to R902.
7. Turn on power again. Confirm that the digital multimeter reads $135.0V \pm 1.0V$.

Note: R902: Must be $2.2k\Omega$ to $27k\Omega$



SECTION 5 CIRCUIT ADJUSTMENTS

5-1. ELECTRICAL ADJUSTMENT BY REMOTE COMMANDER

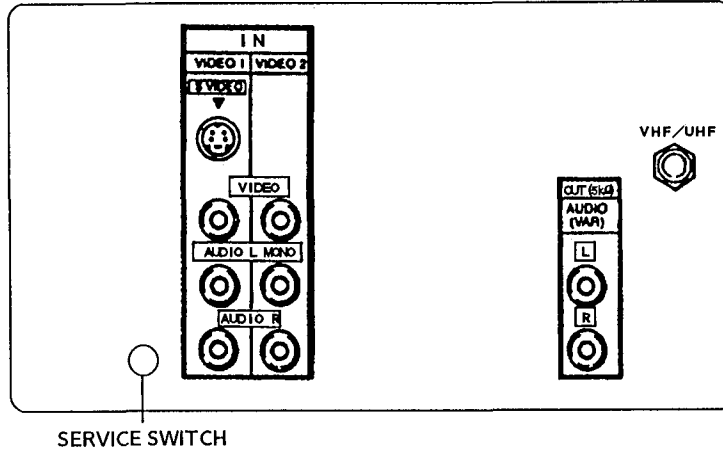
Use of Remote Commander (RM-Y125) can be performed circuit adjustments about this model.

1. METHOD OF SETTING THE SERVICE MODE

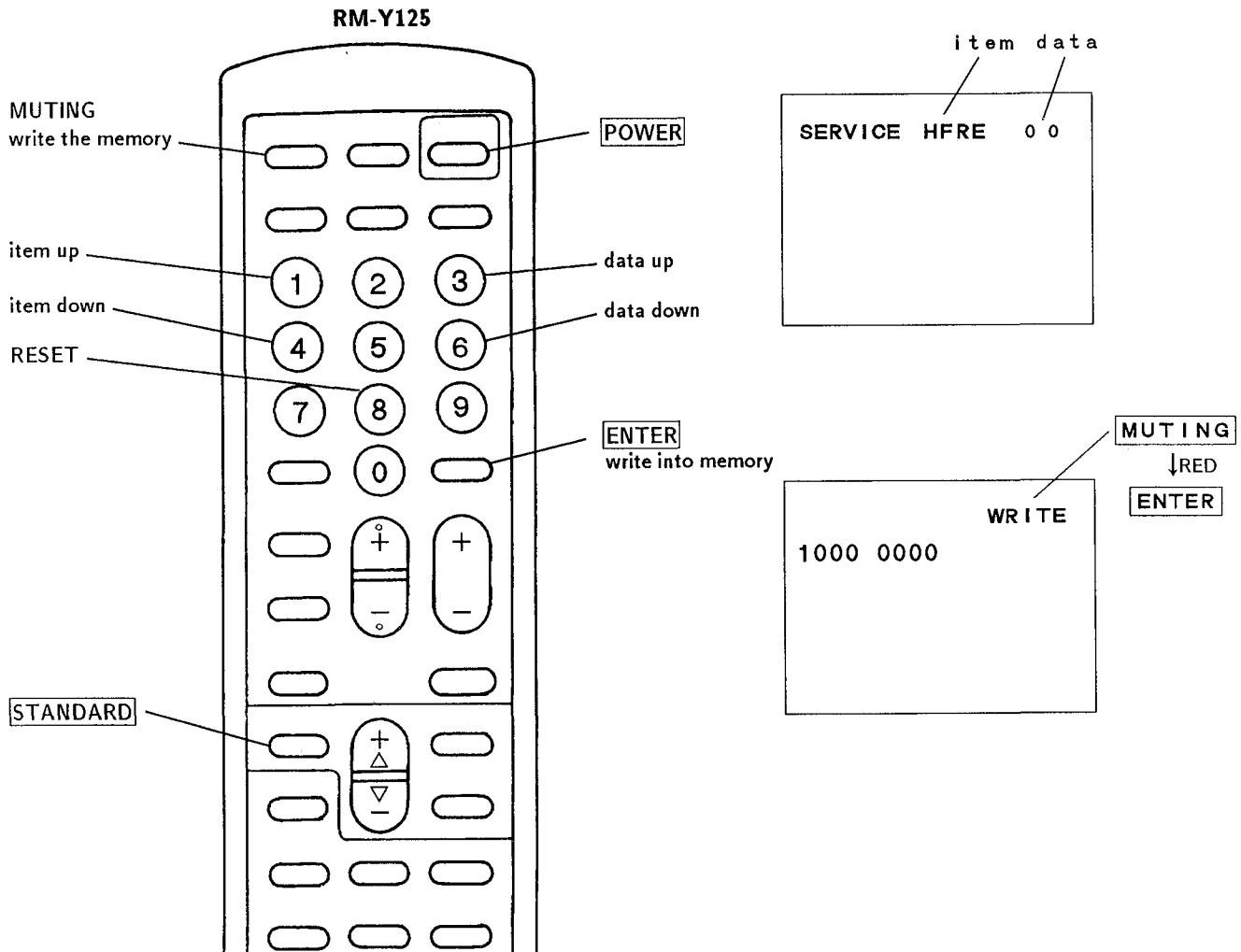
- 1) Press **POWER** button on the Remote Commander while pressing switch on the rear of the set.

NOTE : Test Equipment Required.

1. Pattern Generator
2. Frequency counter
3. Digital multimeter
4. Audio OSC



2. ADJUST BUTTONS AND INDICATOR



3. AN ITEM OF ADJUSTMENT

ITEM	REFERENCE DATA	NAME REGIST	
AFC	0	VP	AFC 1.0
HFRE	74	VP	H. FREQUENCE
VFRE	16	VP	V. FREQUENCE
VPOS	15	VP	V. SHIFT
VSIZ	31	VP	V. SIZE
VLIN	7	VP	V. LINEARITY
VSCO	7	VP	VS. CORRECTION
HPOS	5	VP	H. PHASE
GAMP	25	VP	GREEN AMP.
BAMP	20	VP	BLUE AMP.
GCUT	9	VP	GREEN CUT OFF.
BCUT	6	VP	BLUE CUT OFF
SPIX	30	VP	PICTURE
SHUE	29	VP	HUE
SCOL	28	VP	COLOR
SBRT	11	VP	BRIGHT
RGBP	28	VP	RGB PICTURE
SHAR	13		SHARPNESS
DISP	21		POSITION
VSMO	0	VP	VSMO
REF	1	VP	REF 1.0
ROFF	1	VP	OFF NR
GOFF	1	VP	OFF NG
BOFF	1	VP	OFF NB
ABLM	1	VP	ABLM
DRGB	0	VP	D RGB
TEST	0	AP	T
MPX	7	AP	ATT
FILO	31	AP	I1
DEEM	7	AP	I2
STEV	31	AP	OSC 1
SAPV	31	AP	OSC 2
PILO	7	AP	PILOT
SEP	31	AP	WIDE BAND
VD	7	AP	SPECTRAL
LVOL	0	AP	VOLUME-L
RVOL	0	AP	VOLUME-R
BASS	8	AP	BASS
TRE	8	AP	TREBLE
PHPO	32	PI	READ DELAY H
PVPO	8	PI	READ DELAY V
PLEV	6	PI	PICTURE LEVEL
PFCO	7	PI	FRAME COLOR
PPLL	1	PI	PLL OFF
PPVS	6	PI	VSP DEL
SHAD	0	PJ	SHADING
VMSW	0	PJ	VM
SCUT	16	PJ	SHAD CUT OFF
DSPP	30		POSITION

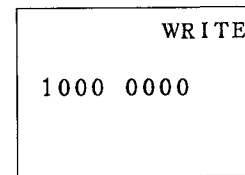
4. METHOD OF CANCELLATION FROM SERVICE MODE

Set the standby condition (Press **POWER** button on the commander) in the next place, press **POWER** button again, hereupon it becomes TV mode.

5. METHOD OF WRITE FOR MEMORY

- 1) Set to Service Mode.
- 2) Press **1** (UP) and **4** (DOWN), select an item of adjustments.
- 3) Press **MUTING** button indicate WRITE (RED) on screen.
- 4) Press **ENTER** button to write for memory.

6. MEMORY WRITE CONFIRMATION METHOD



- 1) After adjustment, pull out the plug from AC outlet, and next place, plug in AC outlet again.
- 2) Turn the power switch ON and set to Service Mode.
- 3) Call the adjusted items again, confirm they were adjusted.

5-2. A BOARD ADJUSTMENTS

RF AGC ADJUSTMENT(IF BLOCK VR)

- 1) Input a color-bar signal.
- 2) Adjust AGC VR of TU 101 so that snow noise and cross-modulation disappear from the picture.
- 3) Confirm them at every channel.

H.FREQUENCY ADJUSTMENT (HFRE)

- 1) Set to Service Mode.
- 2) Input a color-bar signal.
- 3) Connect a frequency counter to pin③ of A-10 connector.
- 4) Call the item of AFC, set to 3 level (free run).
- 5) Select HFRE with **[1]** and **[4]**.
- 6) Adjust **[3]** and **[6]** to the 15735 ± 60 Hz level.
- 7) Call the item of AFC again, adjust the level "01".
- 8) Write into the memory by pressing **[MUTING]** → then **[ENTER]**.

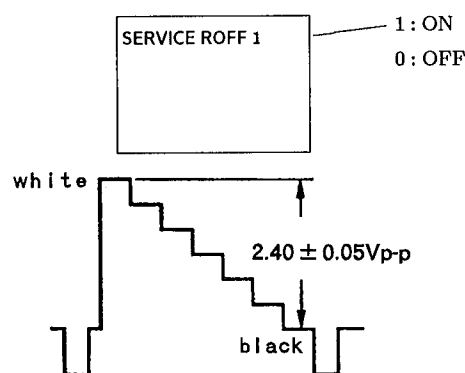
V.FREQUENCY ADJUSTMENT (VFRE)

- 1) Set the Service Mode.
- 2) Input an off-air signal (VIDEO IN → no signal).
- 3) Connect the frequency counter across connector ⑬pin of E 1-1 connector and ground.
- 4) Select VFRE with **[1]** and **[4]**.
- 5) Adjust **[3]** and **[6]** to the 56 ± 0.5 Hz.
- 6) Write the memory by pressing **[MUTING]** → then **[ENTER]**.

SUB CONTRAST ADJUSTMENT (SPIX)

- 1) Set to Service Mode.
- 2) Input a color-bar signal. (75 IRE)
- 3) Set the conditions as follows.

PICTURE	.....	MAX
COLOR	.....	MIN
BRIGHTNESS	.....	MIN
TRINITONE	.....	LOW
R OFF	.....	ON
G OFF	.....	OFF
B OFF	.....	OFF

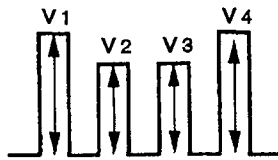


- 4) Connect an oscilloscope to ⑳pin of E1-1 connector on A board and ground.
- 5) Adjust **[3]** and **[6]** to the $2.40 \pm 0.05V_{p-p}$ level by selecting SPIX with **[1]** and **[4]**.
- 6) Write the memory by pressing **[MUTING]** → then **[ENTER]**.
- 7) Return the following back to normal after adjustment.

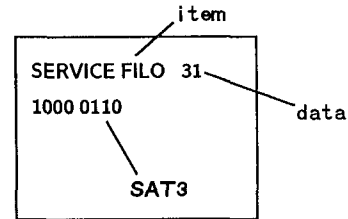
G OFF	.....	ON
B OFF	.....	ON
COLOR	.....	CENTER
BRIGHTNESS	.....	CENTER
TRINITONE	.....	HIGH
PICTURE	.....	80%

SUB HUE, SUB COLOR ADJUSTMENT (SHUE, SCOL)

- 1) Input a color-bar signal.
- 2) Press **STANDARD** to normal.
- 3) Set to Service Mode.
- 4) Connect an oscilloscope to pin 2 of E1-1 connector on A board and ground.
- 5) Adjust 3 and 4 to the $V1=V4$ and $V2=V3$ by select to SHUE and SCOL with 1 and 4. Lower the data 4 steps from this point.



- 4) Make the data "00" by selecting FILO with 1 and 4. And then, send up the data gradually by pressing 6. Set the data to D1 before SAT3 changing to 1 from 0.
- 5) Send up the data gradually. Set data D2 when SAT3 changes 0 from 1.
- 6) Adjust the data of FILO to $\frac{D1 + D2}{2}$.
- 7) Write into the memory by pressing **MUTING** → then **ENTER**.

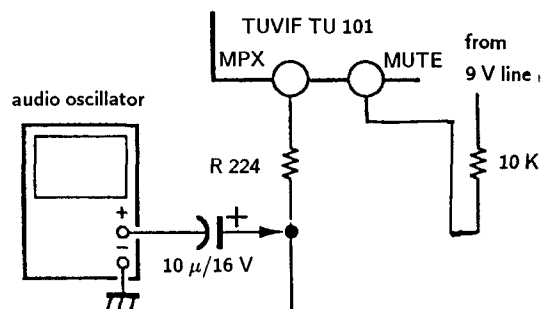


- 6) Write into the memory by pressing **MUTING** → then **ENTER**.

FILTER ADJUSTMENT (MPX, FILO)

- 1) Set to Service Mode.
- 2) Select to **TEST** with 1 and 4, set the data to "1". Then select MPX and change data to "8".
- 3) Connect an audio oscillator to R224 using a capacitor ($10\mu F/16V$), set frequency to $62.936\text{ kHz} \pm 0.1\text{ kHz}$.

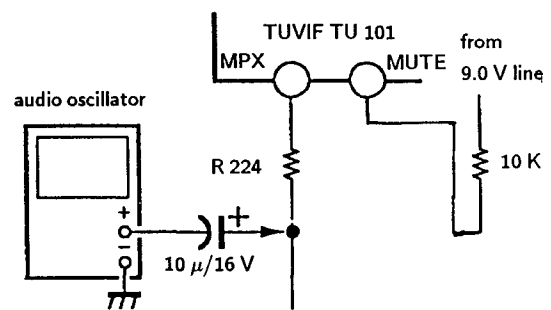
And then, through the $10k\Omega$ resistor, feed 9.0V into the mute of TUVIF TU 101.



V 4 fh : SINE-WAVE $62.936\text{ KHz} \pm 0.1\text{ KHz}$
LEVEL 3.0 Vp-p

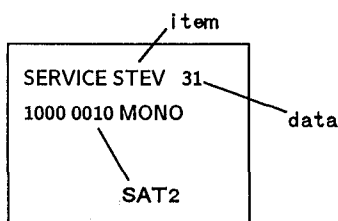
ST VCO ADJUSTMENT (MPX, STEV)

- 1) Set to Service Mode.
- 2) Select **TEST** with 1 and 4, set the data to "1". And then press **MTS** to MONO.
- 3) Select **MPX**, set the data "8".
- 4) Connect an audio oscillator to R 224 using electrolytic capacitor ($10\mu F/16V$) and apply the frequency V_{st} . Then, apply DC voltage to mute of TUVIF TU 101 using $10k\Omega$ connect to 9.0 V line.



Vfh : SINE-WAVE $15.734\text{ KHz} \pm 0.1\text{ KHz}$
LEVEL 0.28 Vp-p

- 5) Select STEV with [1] and [4], set the data to "00" with [6]. And then, send up the data gradually. Set the data to D1 before SAT2 changes from 0 to 1.
- 6) Send up data gradually, set the data to D2 when SAT2 changes 1 from 0.
- 7) Adjust the data of STEV to $(D1 + D2) / 2$.
- 8) Write into the memory by pressing [MUTING] → then [ENTER].



MPX IN LEVEL ADJUSTMENT (MPX)

- 1) Set to Service Mode.
- 2) Select TEST with [1] and [4], set the data to "0" with [6]. And then press [MTS] to MONO.
- 3) Select MPX with [1] and [4], set the data to "8" with [3] and [6].
- 4) Write into the memory by pressing [MUTING] → then [ENTER].

PILOT CANCEL ADJUSTMENT (PILO)

- 1) Set to the Service Mode.
- 2) Select PILO with [1] and [4], set the data to "8" with [3] and [6].
- 3) Write into the memory by pressing [MUTING] → then [ENTER].

SAP VCO f_0 ADJUSTMENT (SAPV)

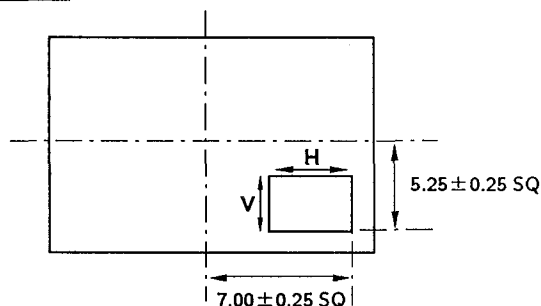
- 1) Set to Service Mode.
- 2) Input a stereo broadcast signal with SAP.
- 3) Select TEST with [1] and [4], set the data to "0". And then, press [MTS] to MAIN.
- 4) Connect a digital multimeter to TP-1(DBX). This voltage reading will equal V 1.
- 5) Press MTS to SAP and this voltage will equal V 2.
- 6) Select SAPV with [1] and [4], adjust [3] and [6] so that $V2 = V1 \pm 0.03$ VDC.
- 7) Write the memory by [MUTING] → [ENTER].

SEPARATION ADJUSTMENT (SEP)

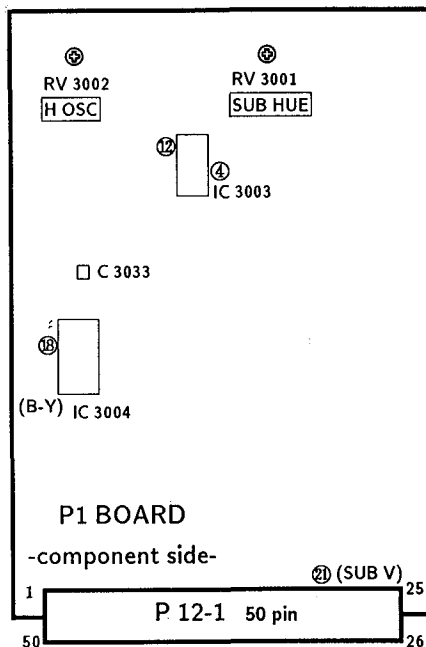
- 1) Set to Service Mode.
- 2) Press [MTS] to MAIN and receive a monoral broadcast signal.
In the next step, receive a stereo broadcast signal.
- 3) Select SEP and VD with [1] and [4], adjust [3] and [6] so that a clear stereo sound is effected.

SUB PICTURE POSITION ADJUSTMENT (PHPO, PVPO)

- 1) Input a cross hatch signal.
- 2) Set to service mode.
- 3) Press PIP to display a sub picture.
(RIGHT LOWER Position)
- 4) Select PHPO, PVPO with [1] and [4].
- 5) Adjust [3] and [6] to the standard as shown below.
- 6) Write the memory by pressing [MUTING] → then [ENTER].

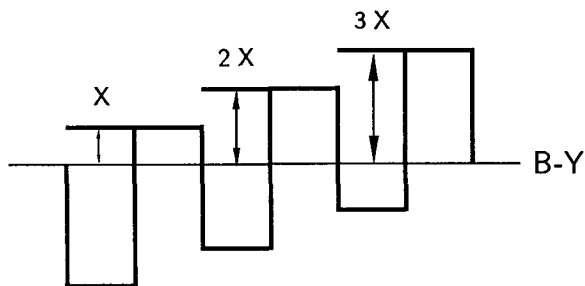


5-3. P1 BOARD ADJUSTMENTS



SUB HUE ADJUSTMENT (RV 3001)

- 1) Set HUE and COLOR to the standard condition.
- 2) Make adjustment so that B-Y signal as shown to the right is obtained at the crossing point of R 3009 (0Ω) and C 3033.
- 3) Supply the color bar signal of 75 IRE (white) at 2 V_{pp} to Pin 21 (SUB V) of P 12-1 and make adjustment by turning RV 3001.

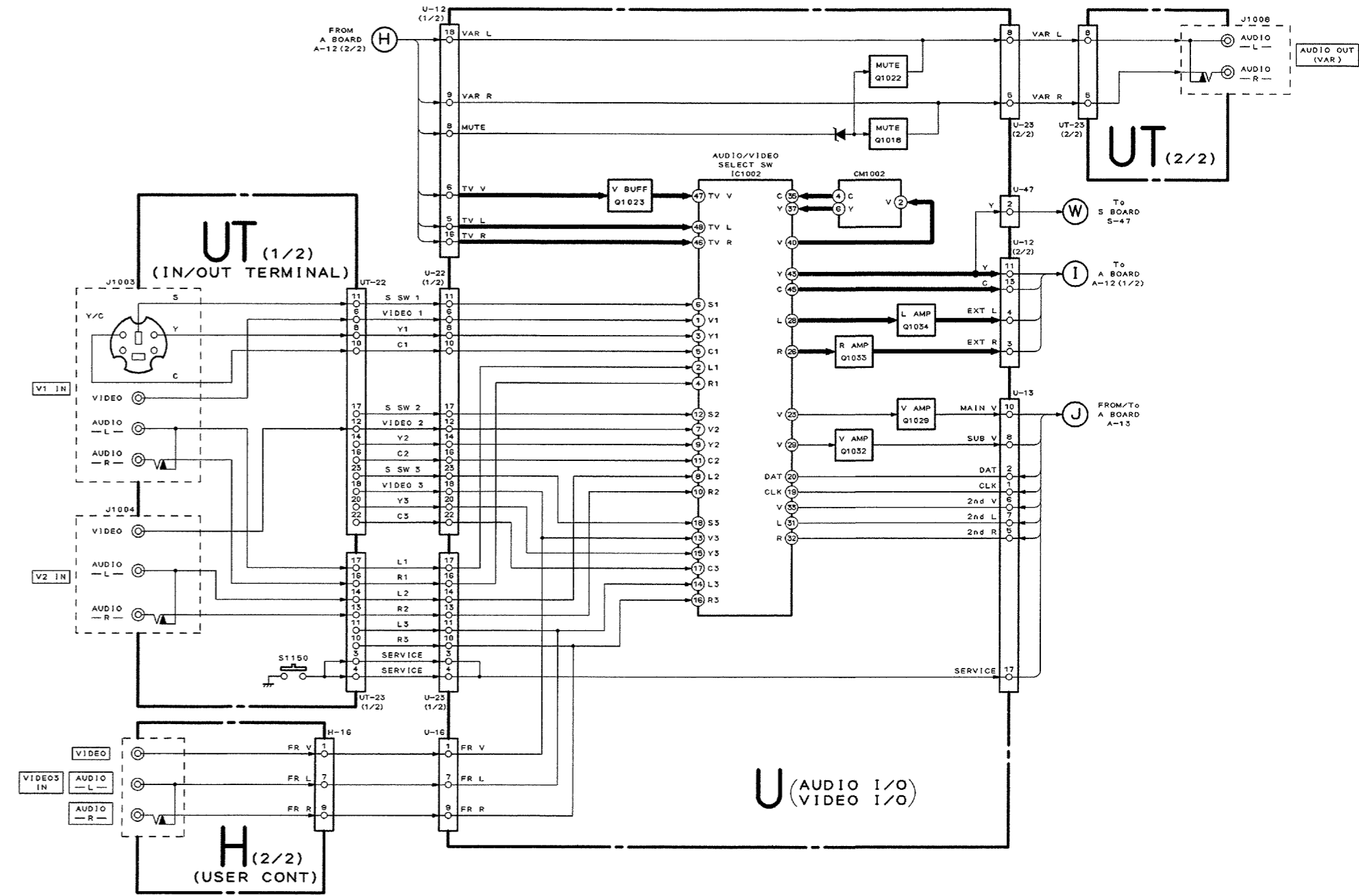
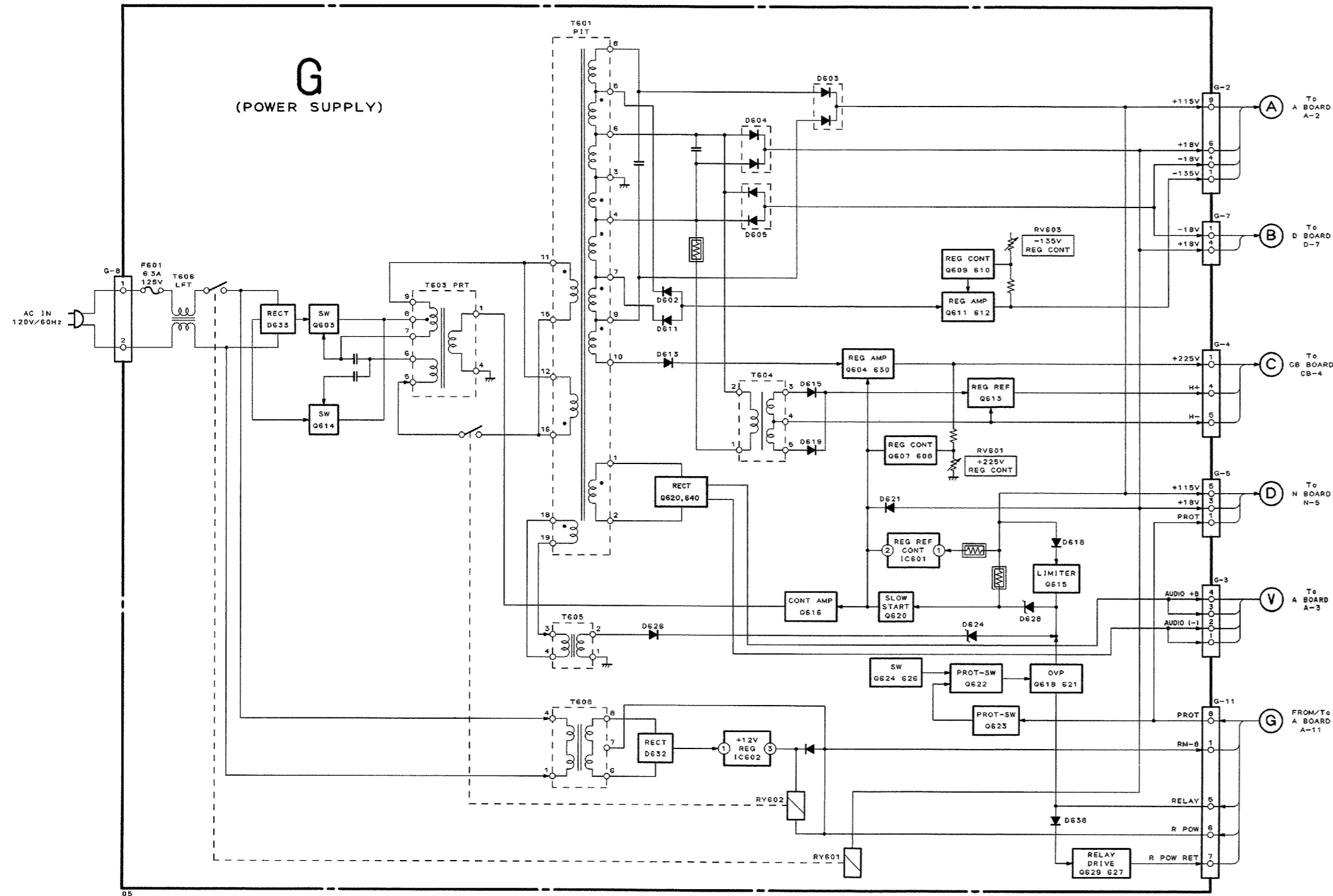


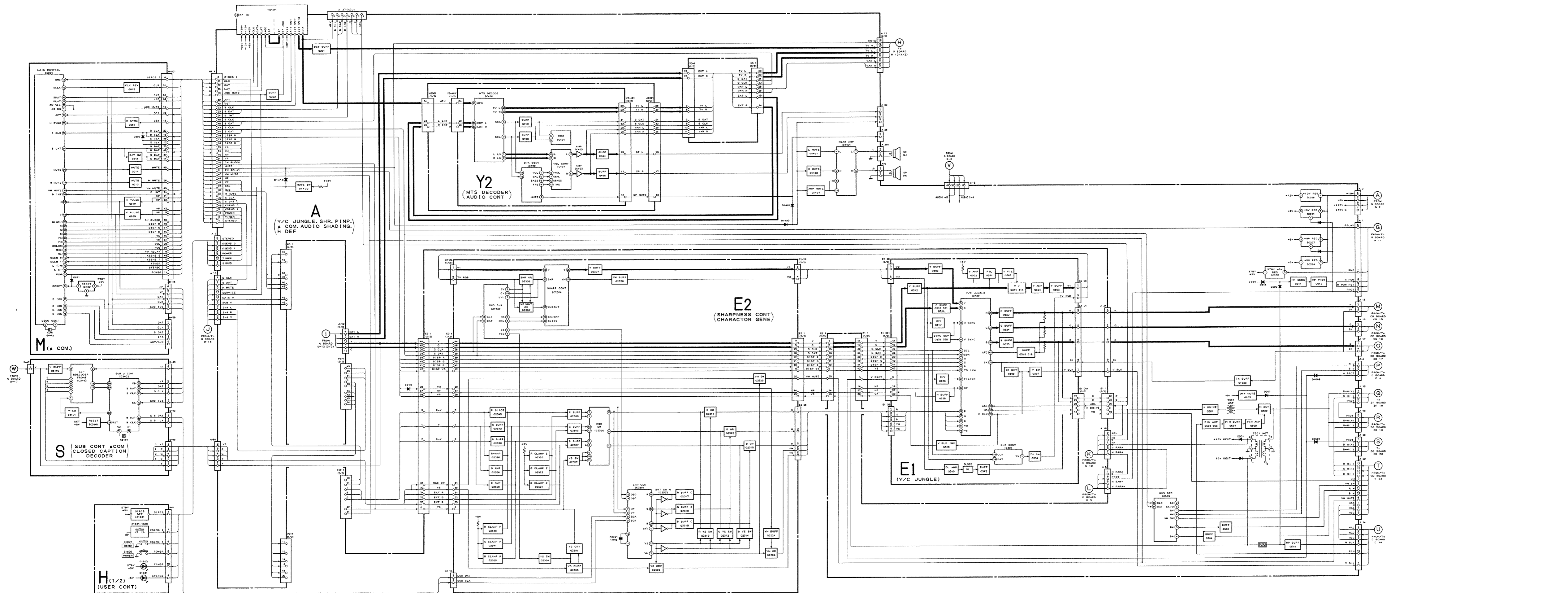
H. FREQUENCY (H OSC) ADJUSTMENT (RV-3002)

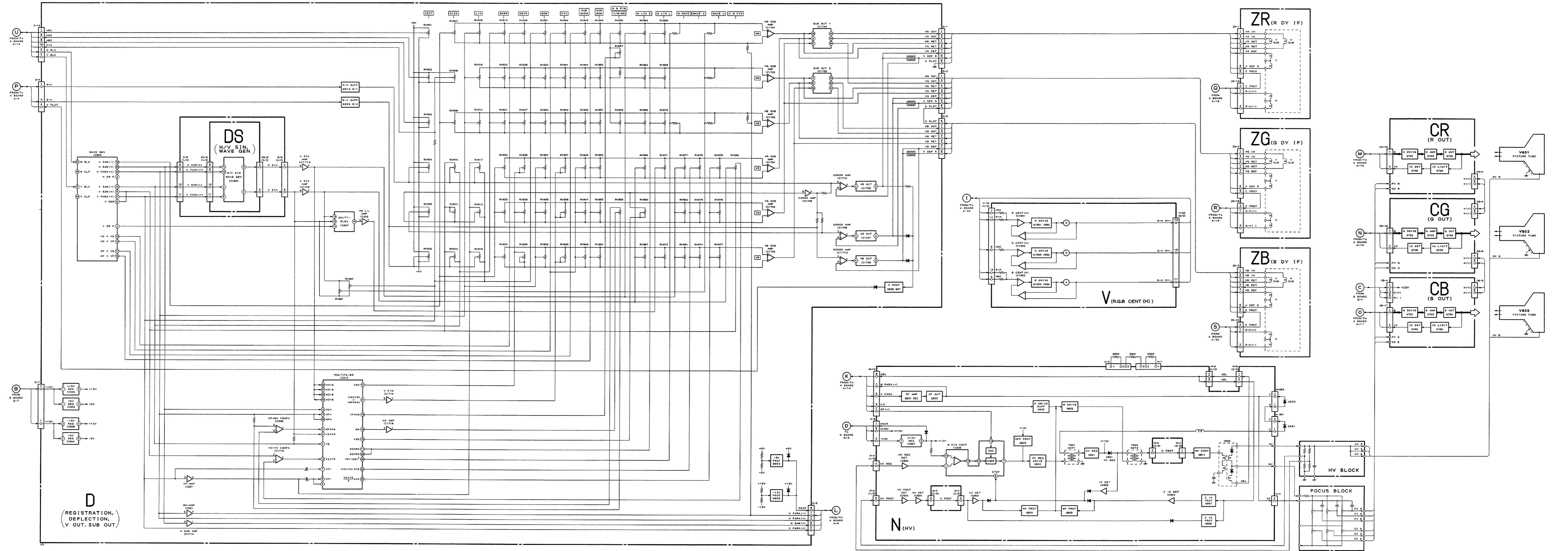
- 1) Connect a frequency counter to Pin 4 (H OUT) of IC 3003.
- 2) Connect Pin 12 of IC 3003 to ground.
- 3) Adjust RV3002 for a frequency of 15.734 kHz \pm 50 Hz at Pin 4 of IC 3003.
(or until the frequency comes to a standstill.)

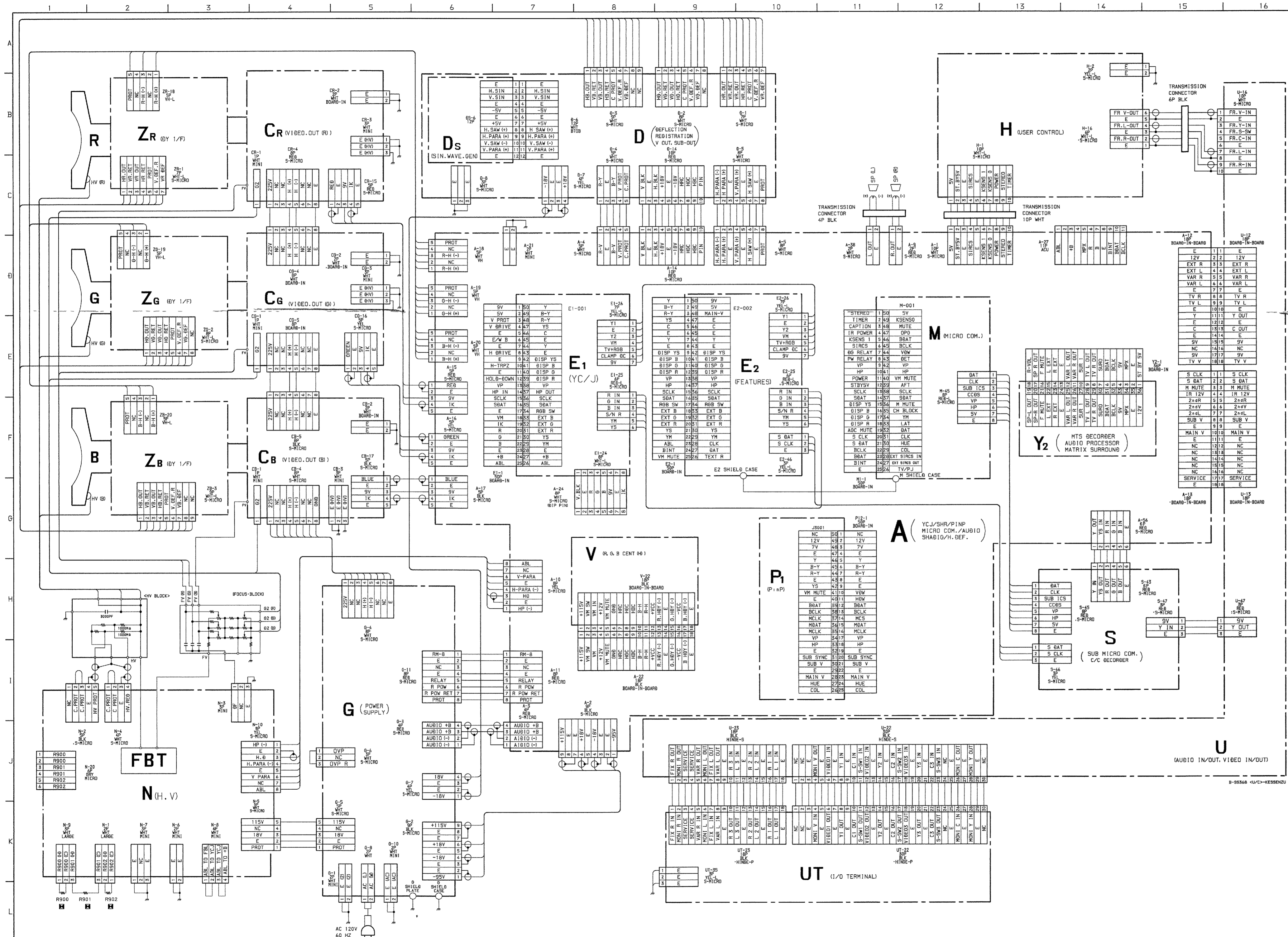
SECTION 6
DIAGRAMS

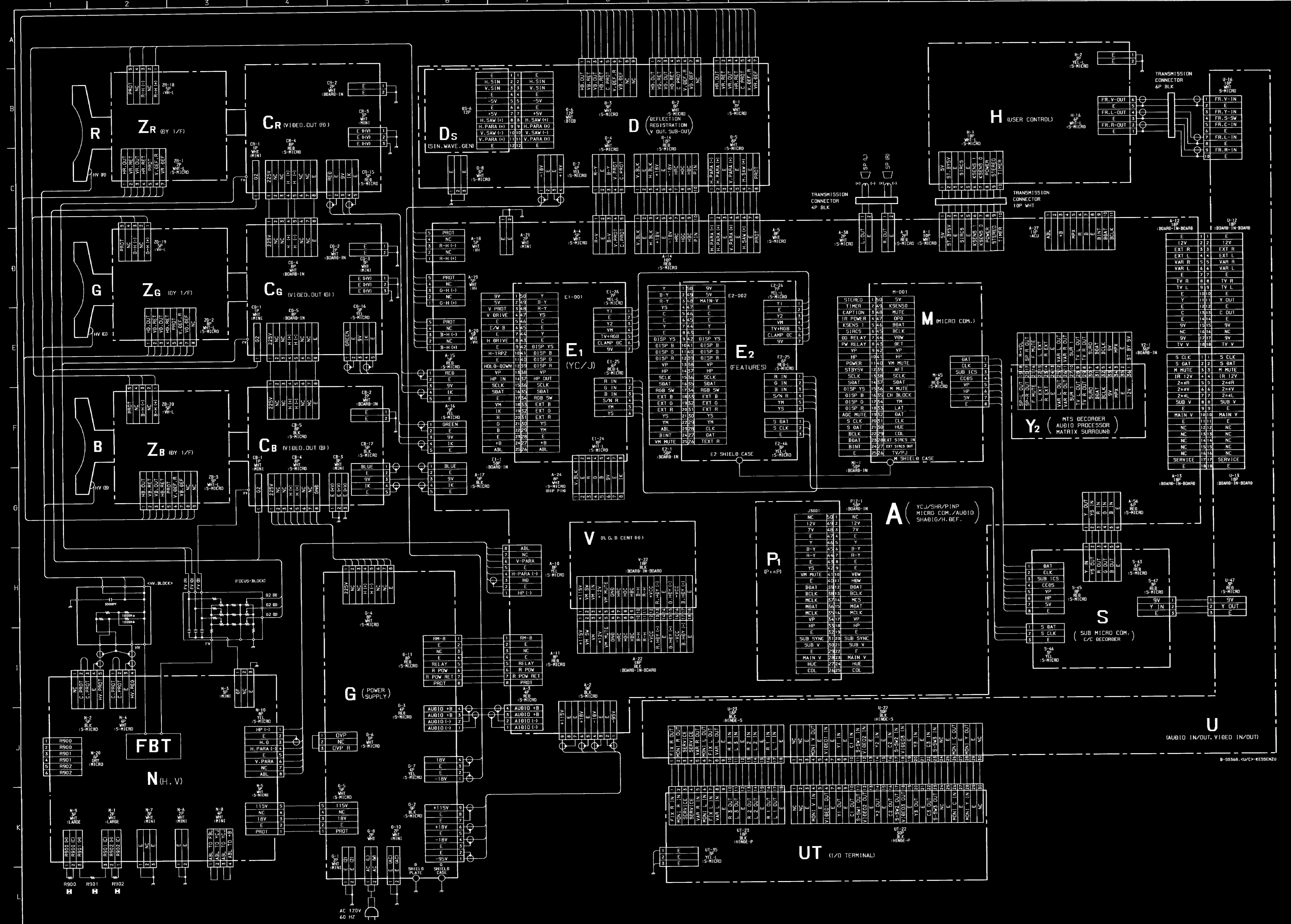
6-1. BLOCK DIAGRAMS (1)



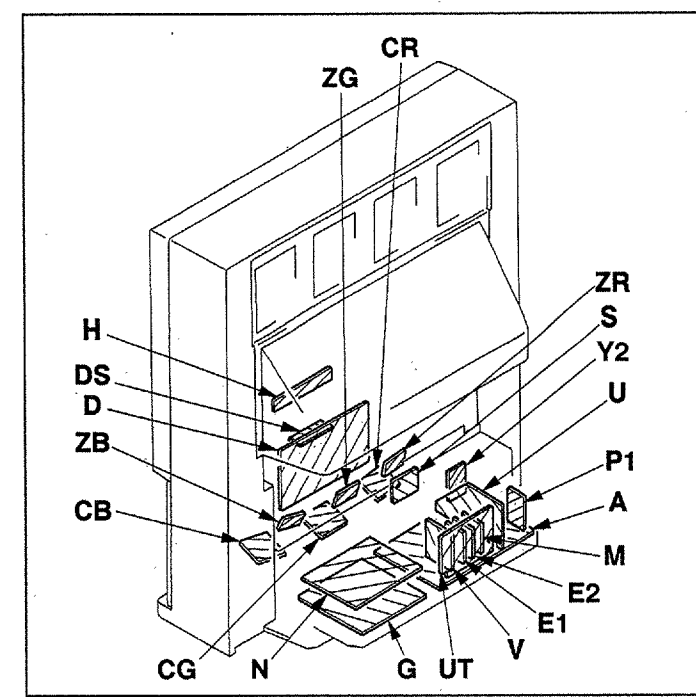








6-3. CIRCUIT BOARDS LOCATION



6-4. SCHEMATIC DIAGRAMS AND PRINTED WIRING BOARDS

Note:

- All capacitors are in μF unless otherwise noted. pF: μF 50 WV or less are not indicated except for electrolytic and tantalums.
- All resistors are in ohms. $k\Omega = 1000\Omega$, $M\Omega = 1000k\Omega$
- Indication of resistance, which does not have one for rating electrical power, is as follows.

Pitch: 5 mm
Rating electrical power $\frac{1}{4}$ W

- : nonflammable resistor.
- : fusible resistor.
- : internal component.
- : panel designation, or adjustment for repair.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- : earth-chassis.
- The components identified by in this basic schematic diagram 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 , make 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 R652, R852, R900, R901, and R902 adjustment on Page 36-39.)
- When replacing the part in below table, be sure to perform the related adjustment.

- Reference information**
- RESISTOR** : RN METAL FILM
: RC SOLID
: FPRD NONFLAMMABLE CARBON
: FUSE NONFLAMMABLE FUSIBLE
: RS NONFLAMMABLE METAL OXIDE
: RB NONFLAMMABLE CEMENT
: RW NONFLAMMABLE WIREWOUND
: * ADJUSTMENT RESISTOR
: LF-8L MICRO INDUCTOR
- CAPACITOR** : TA TANTALUM
: PS STYROL
: PP POLYPROPYLENE
: PT MYLAR
: MPS METALIZED POLYESTER
: MPP METALIZED POLYPROPYLENE
: ALB BIPOLAR
: ALR HIGH TEMPERATURE
: ALR HIGH RIPPLE

- Readings are taken with a color-bar signal input.
- Readings are taken with a 10M Ω digital multimeter.
- Voltage are dc with respect to ground unless otherwise noted.
- Voltage variations may be noted due to normal production tolerances.
- All voltages are in V.
- * : Can not be measured.
- : B= bus.
- : B= bus.
- : signal path. (RF)

Part replaced (R)	Adjustment (A)
HV Block IC803, IC805, D805, D807, C817, C818, C821, C836, C837, R824, R825, R827, R828, R834, R835, R836, R84, R865, R866, R902	HV Regulator (R902)
HV Block IC803, IC804, Q804, D806, D808, C809, C819, C820, C822, C823, C830, R807, R826, R829, R832, R833, R837, R838, R839, R840, R841, R892, R893, R900, R901	HV Hold down (R900, R901)
C618, Q621, D628, C634, R639, R649, R652, R655, R656	OVP (R652)
IC802, Q805, Q807, D811, D812, C810, C824, C825, C826, C827, C831, R810, R843, R844, R847, R848, R849, R850, R851, R852, R853, R854, R881	Beam current protector ① R852 ② R852
IC804, Q804, C808, D808, D809, C809, C828, C829, C830, C831, R807, R839, R840, R841, R847, R848, R849, R850, R851, R852, R855, R856, R857, R881	

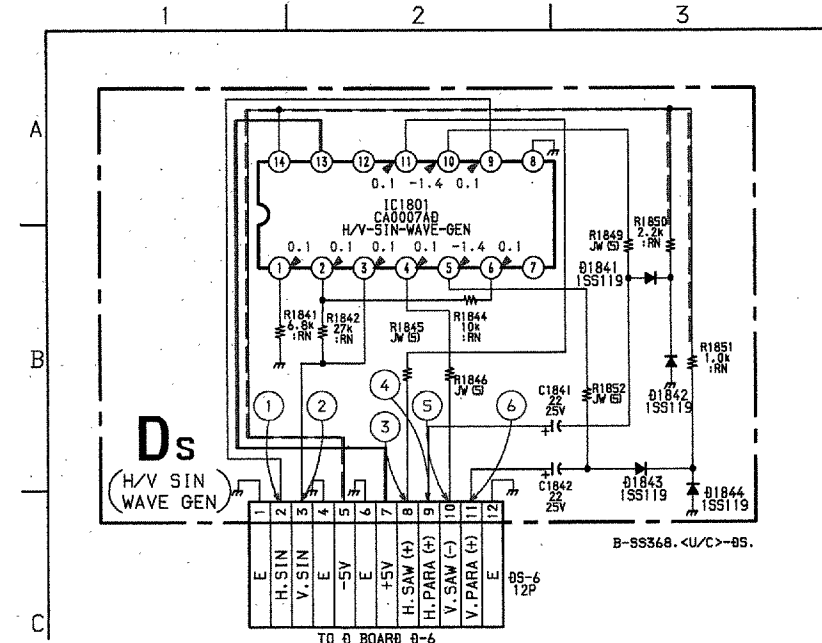
Note: The symbol display is on the component side.

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

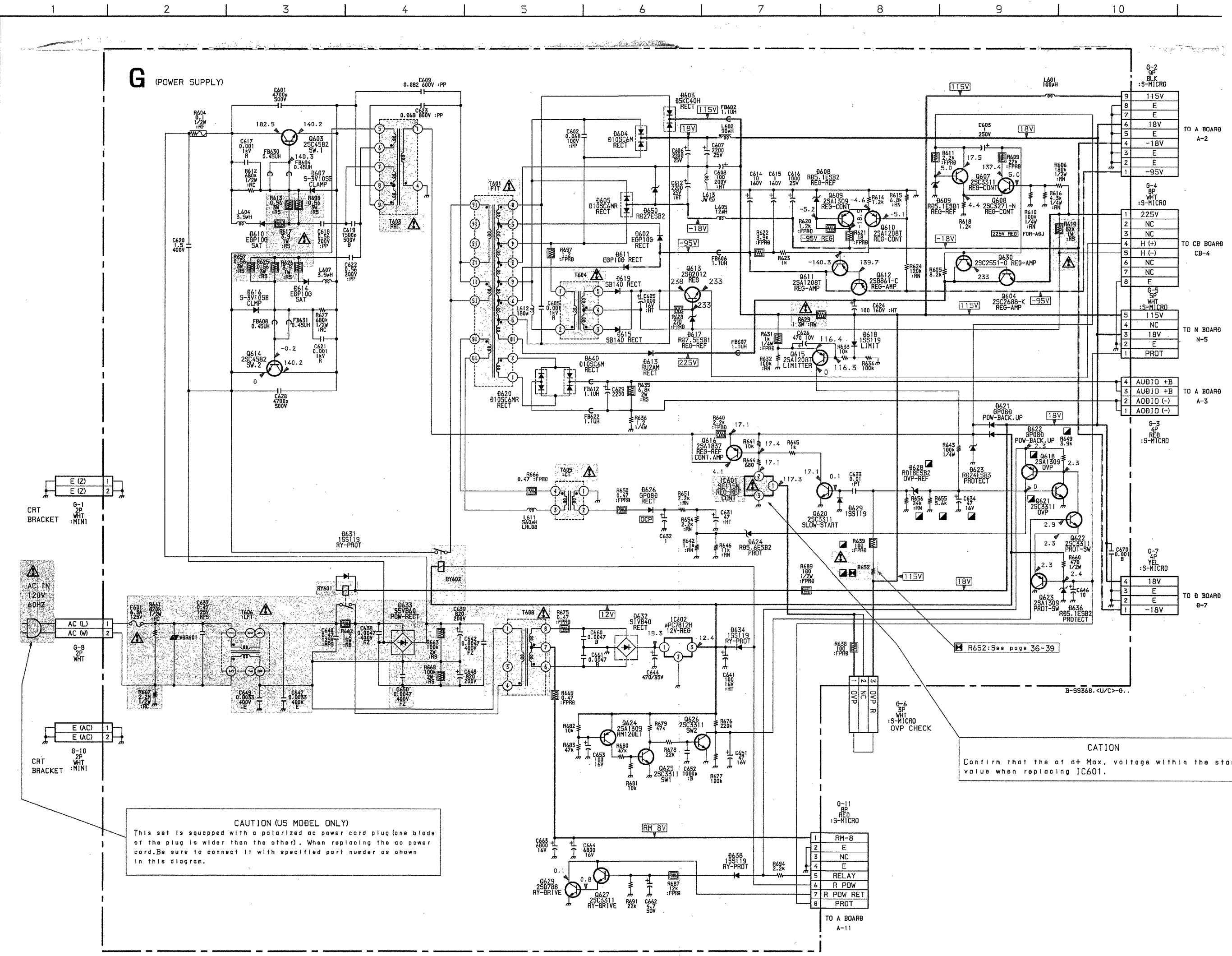
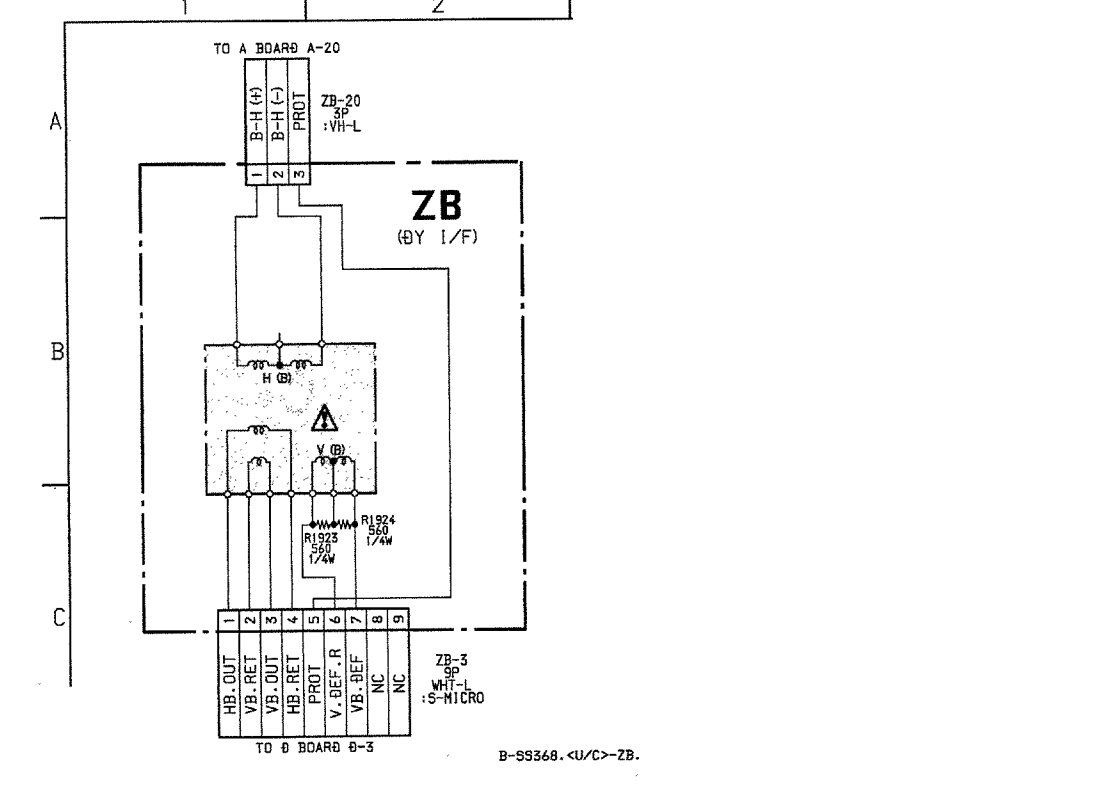
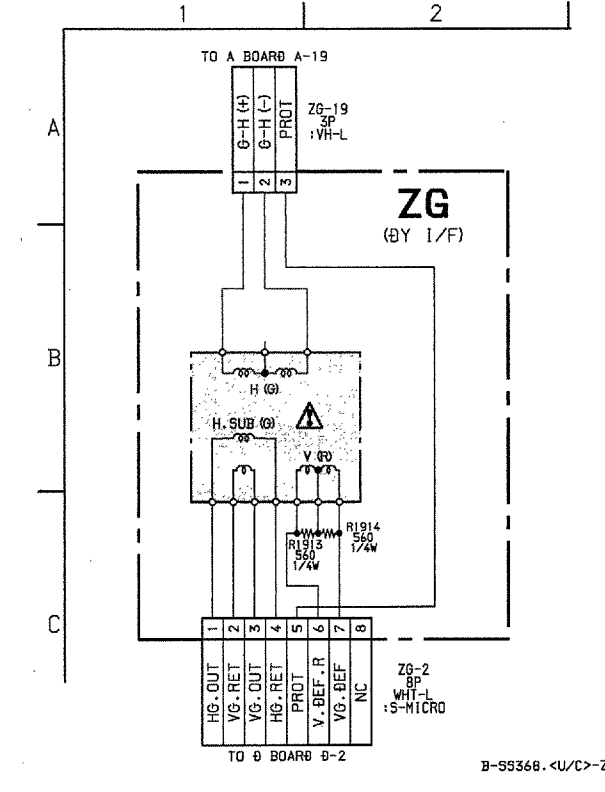
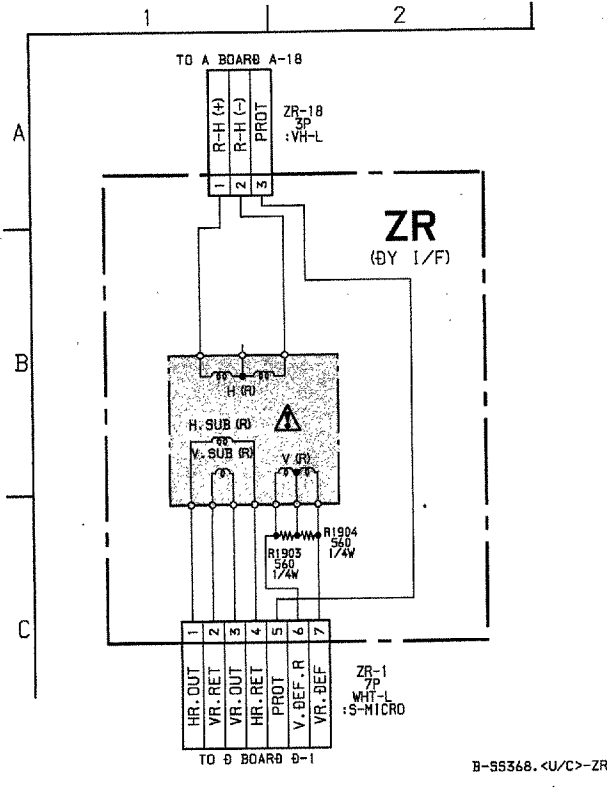
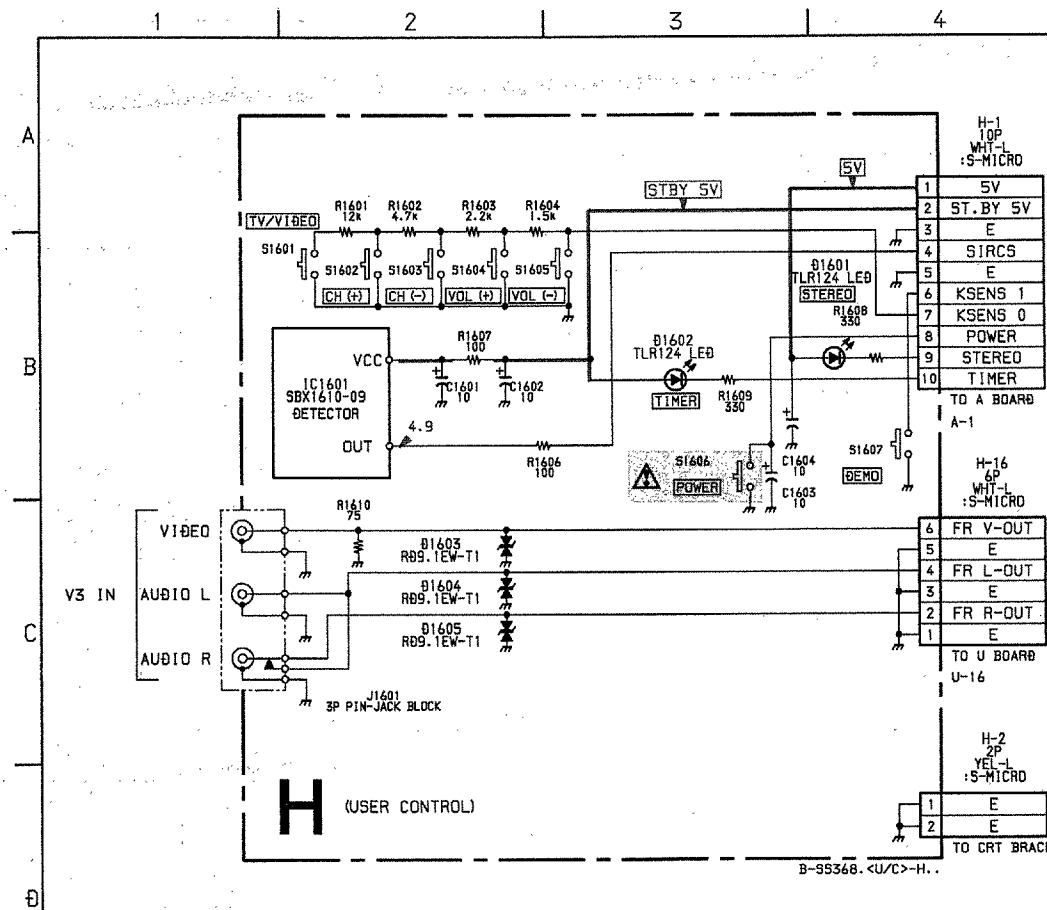
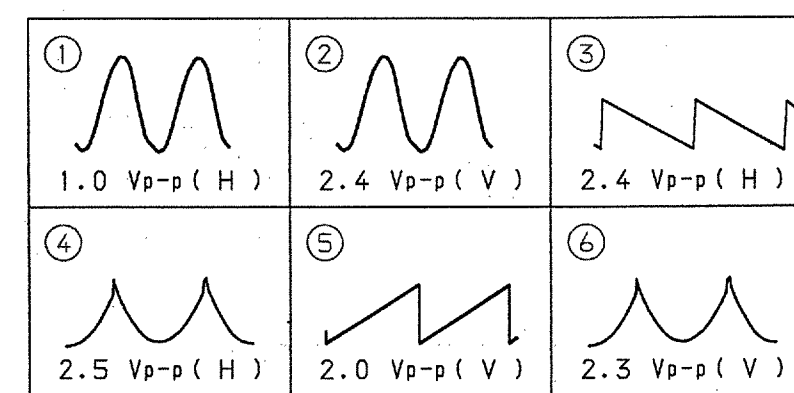
The symbol indicate fast operating fuse. Replace only with fuse of same rating as marked.

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

Le symbole indique une fusible a action rapide. Doit être remplacé par une fusible de même valeur, comme marqué.



DS BOARD WAVEFORMS



CAUTION (US MODEL ONLY)
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 as shown in this diagram.

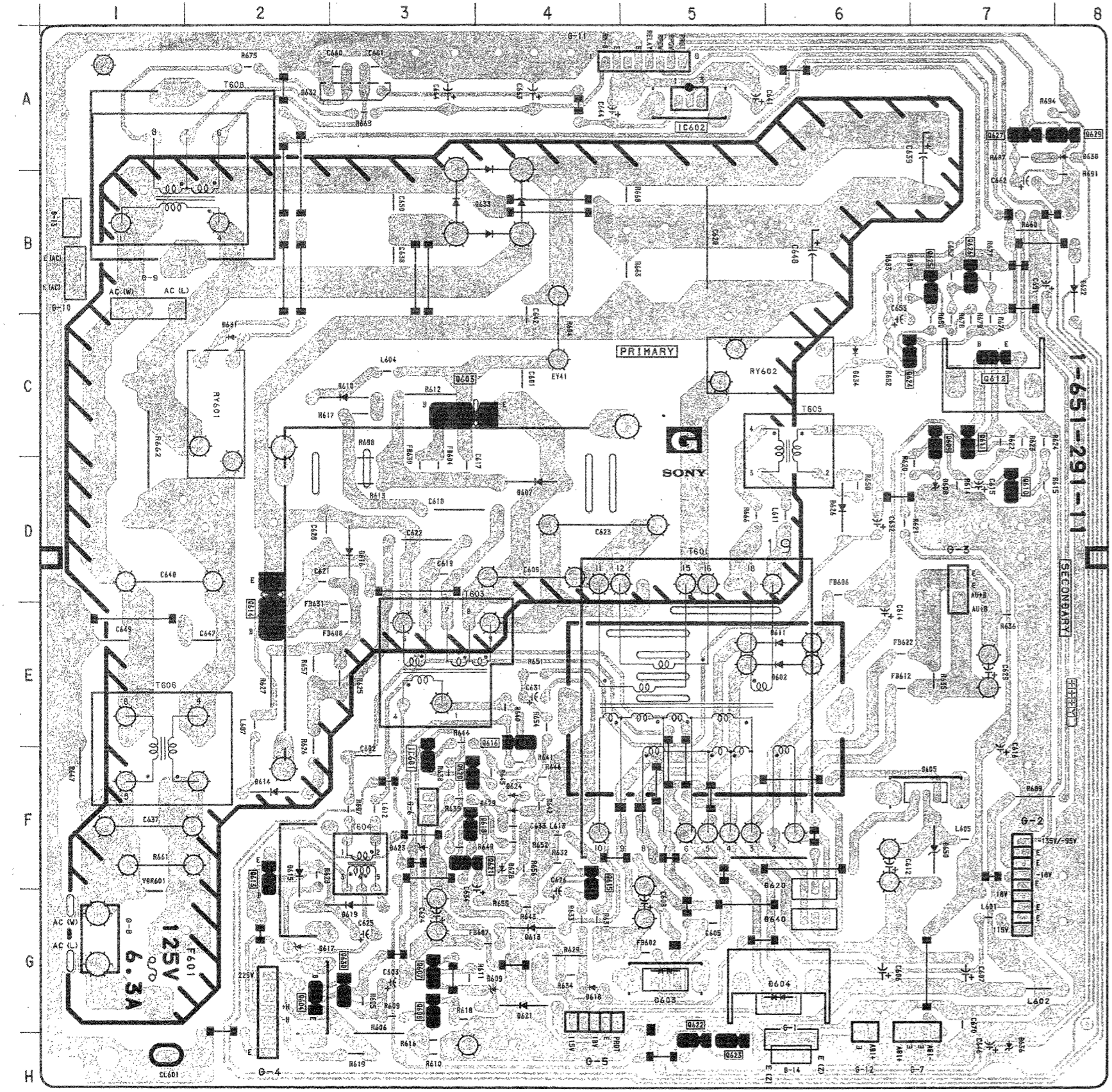
CATION
Confirm that the or of Max. voltage within the standard value when replacing IC601.

Schematic diagrams

boards

G [POWER SUPPLY] **H** [USER CONTROL] **ZR** [DY 1/F] **ZG** [DY 1/F] **ZB** [DY 1/F] **DS** [H/V SIN, WAVE GEN]

- G BOARD -



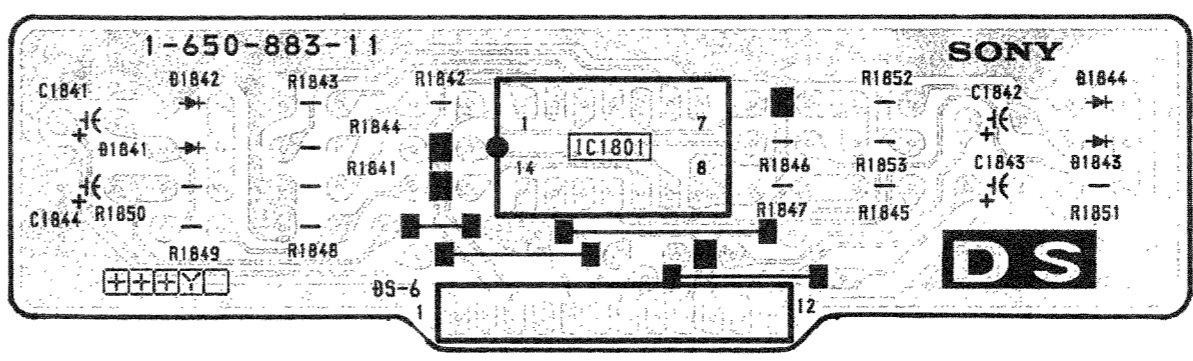
G BOARD

IC		DIODE	
IC601	F-3	D602	E-6
IC602	A-5	D603	G-5
		D604	G-6
		D605	F-7
		D607	D-4
		D608	D-7
		D609	G-4
		D610	C-3
		D611	E-6
		D613	G-4
		D614	F-2
		D615	F-3
		D616	D-3
		D617	G-2
		D618	G-4
		D619	G-3
		D620	F-6
		D621	G-4
		D622	B-7
		D623	F-3
		D624	F-4
		D626	D-6
		D628	F-4
		D629	F-4
		D631	C-2
		D632	A-3
		D633	B-3
		D634	C-6
		D636	G-7
		D638	A-7
		D640	G-6
		D650	F-7

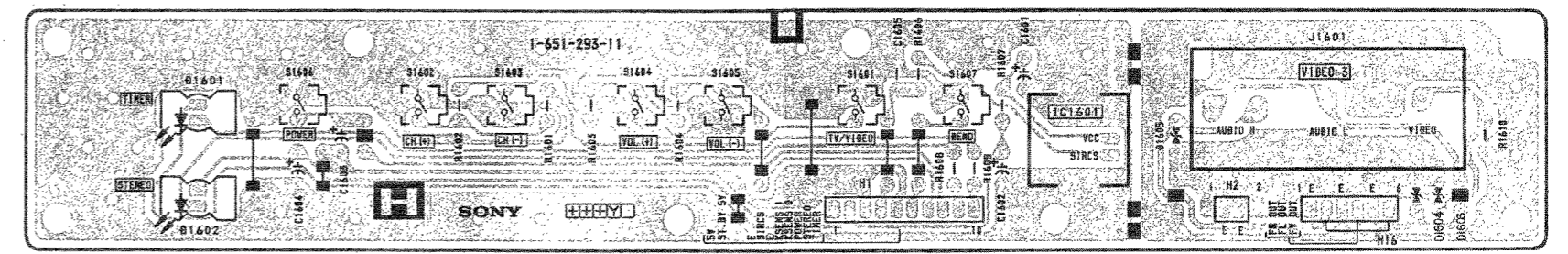
TRANSISTOR

Q603	C-3
Q604	G-2
Q607	G-3
Q608	G-3
Q609	C-7
Q610	D-7
Q611	C-7
Q612	C-7
Q613	F-2
Q614	E-2
Q615	F-4
Q616	E-4
Q618	F-3
Q620	F-3
Q621	F-3
Q622	G-5
Q623	G-5
Q624	C-6
Q625	B-7
Q626	B-7
Q627	A-7
Q629	A-7
Q630	G-3

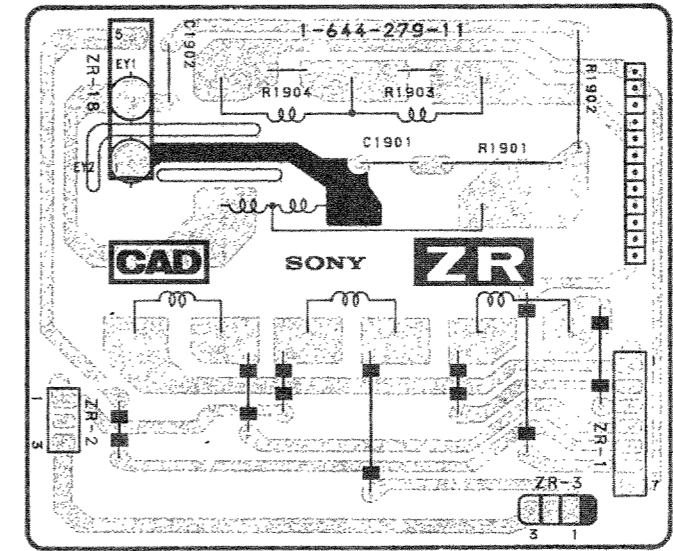
- DS BOARD -



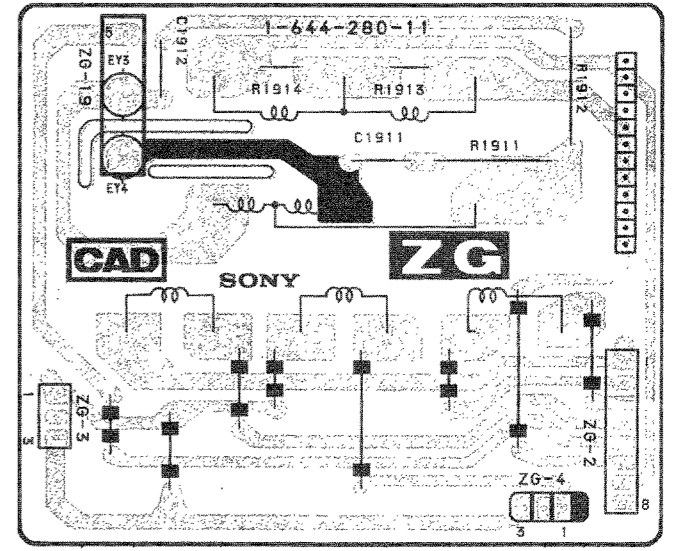
- H BOARD -



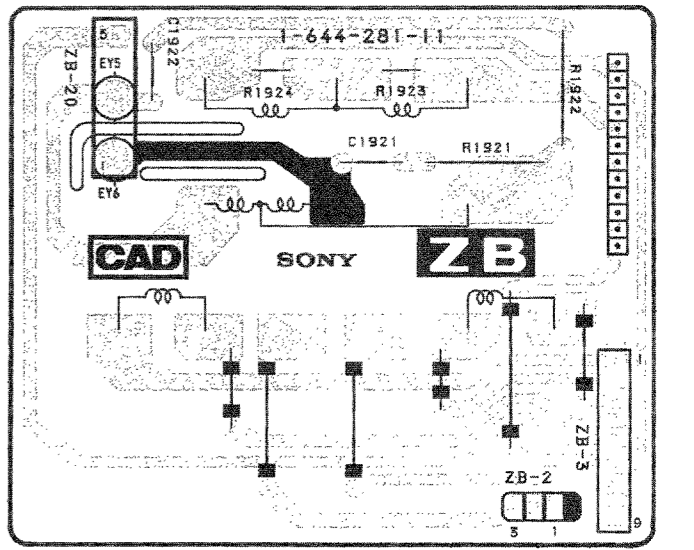
- ZR BOARD -



- ZG BOARD -



- ZB BOARD -



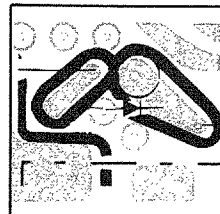
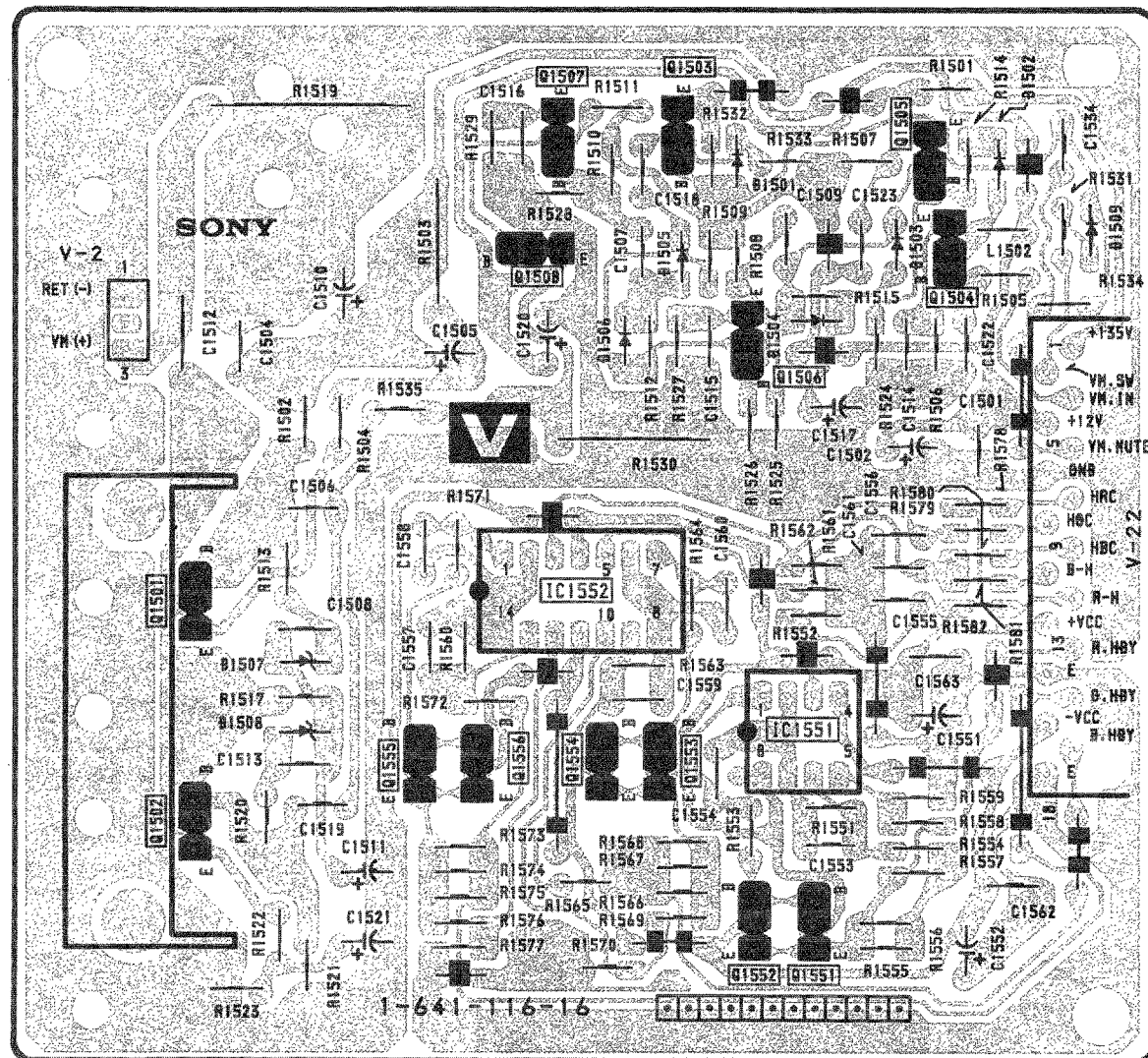
V

[R. G. B CENT (H)]

A

[YCJ/SHR/P IN P,
MICRO COM./AUDIO SHADING/H. DEF]

- V BOARD -



NOTE:
The circuit indicated as left contains high voltage of over 600 Vp-p. Care must be paid to prevent an electric shock in inspection or repairing.

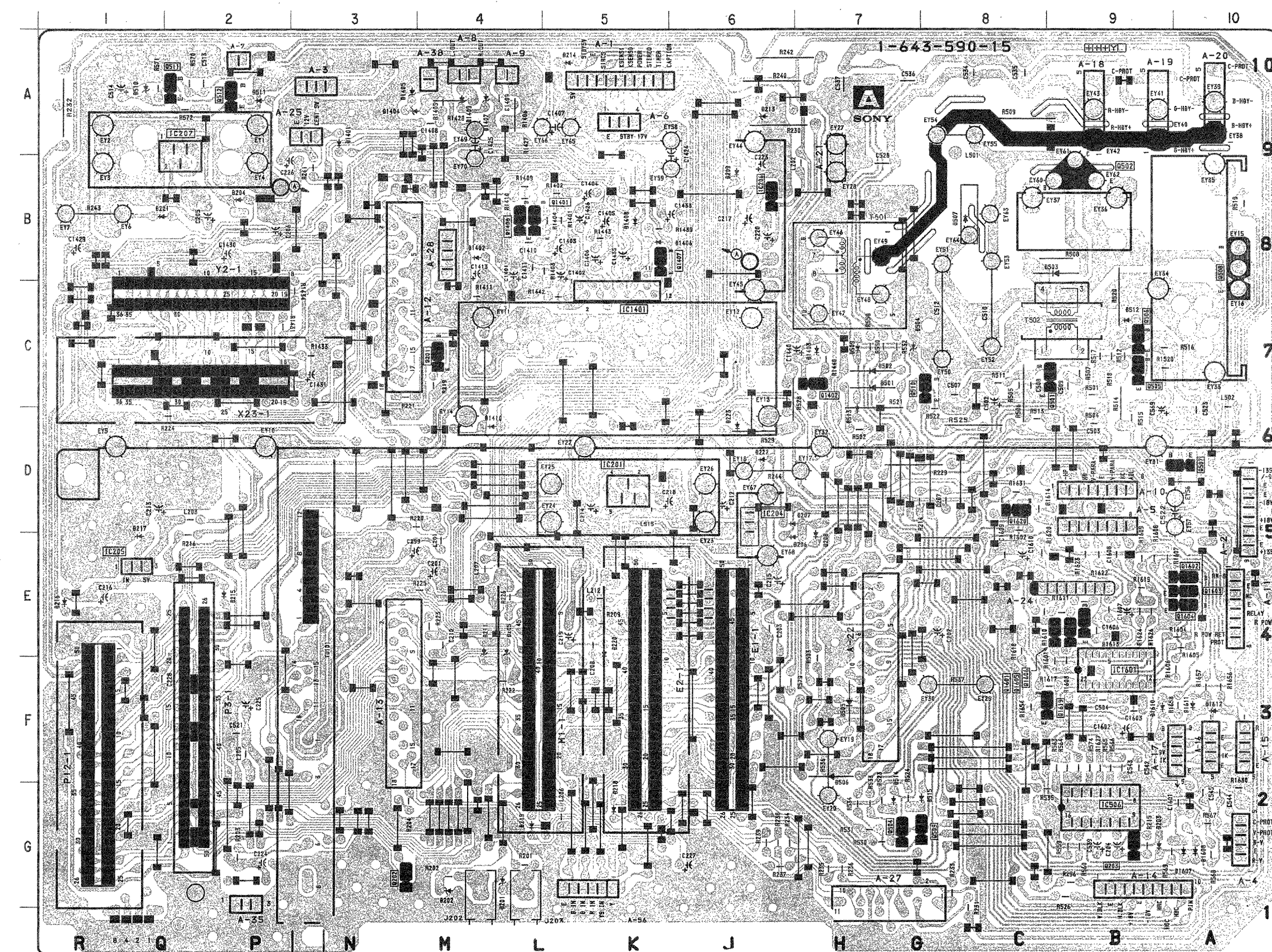
A BOARD

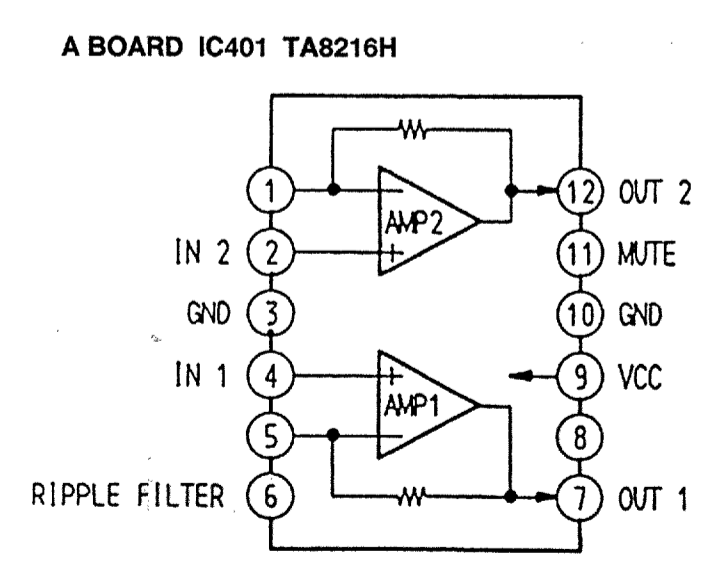
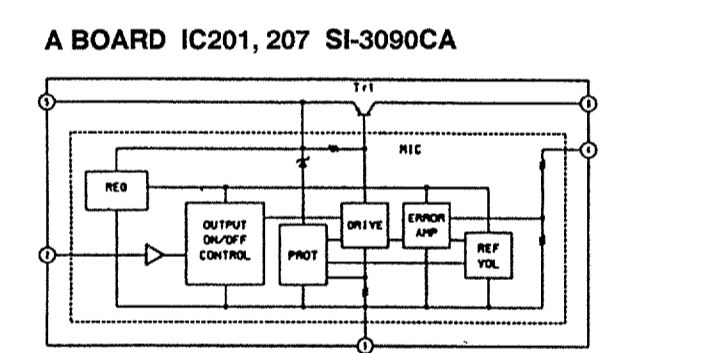
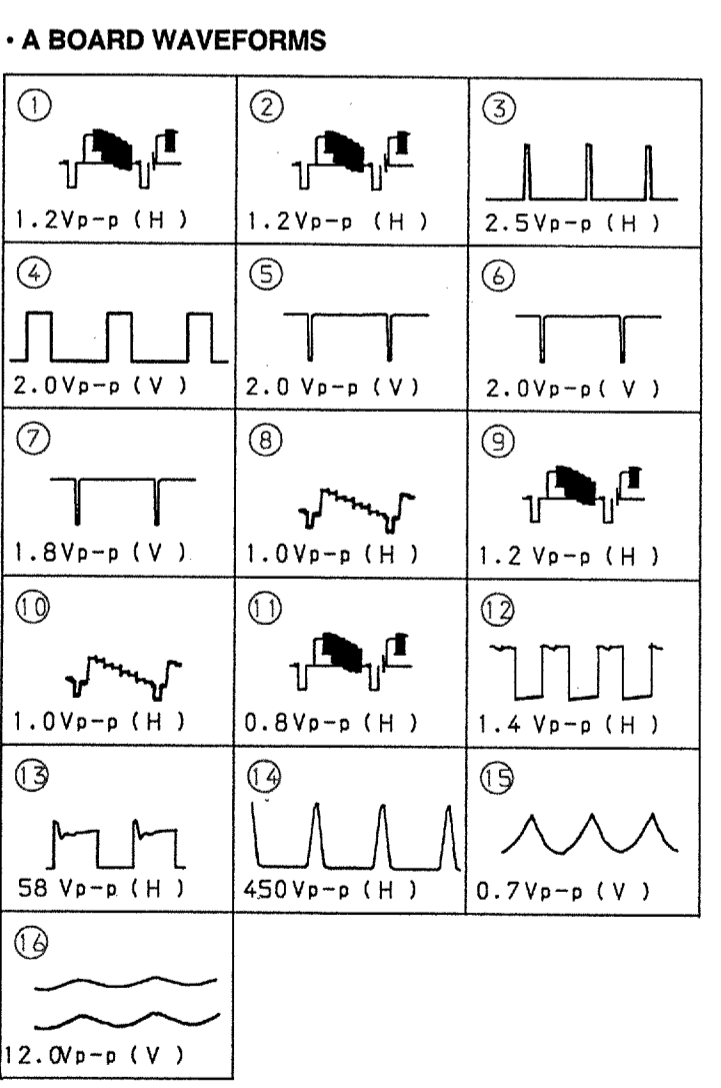
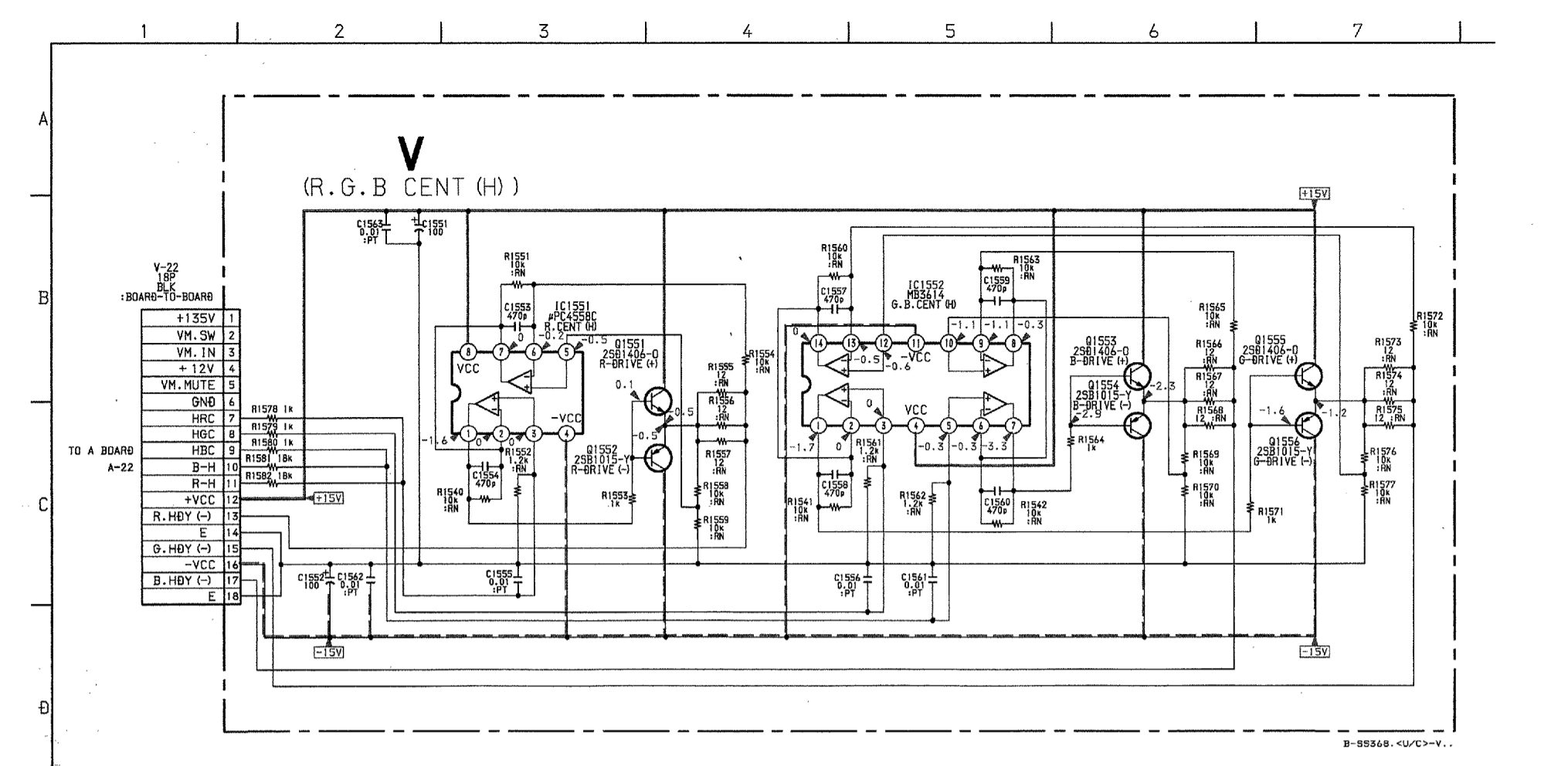
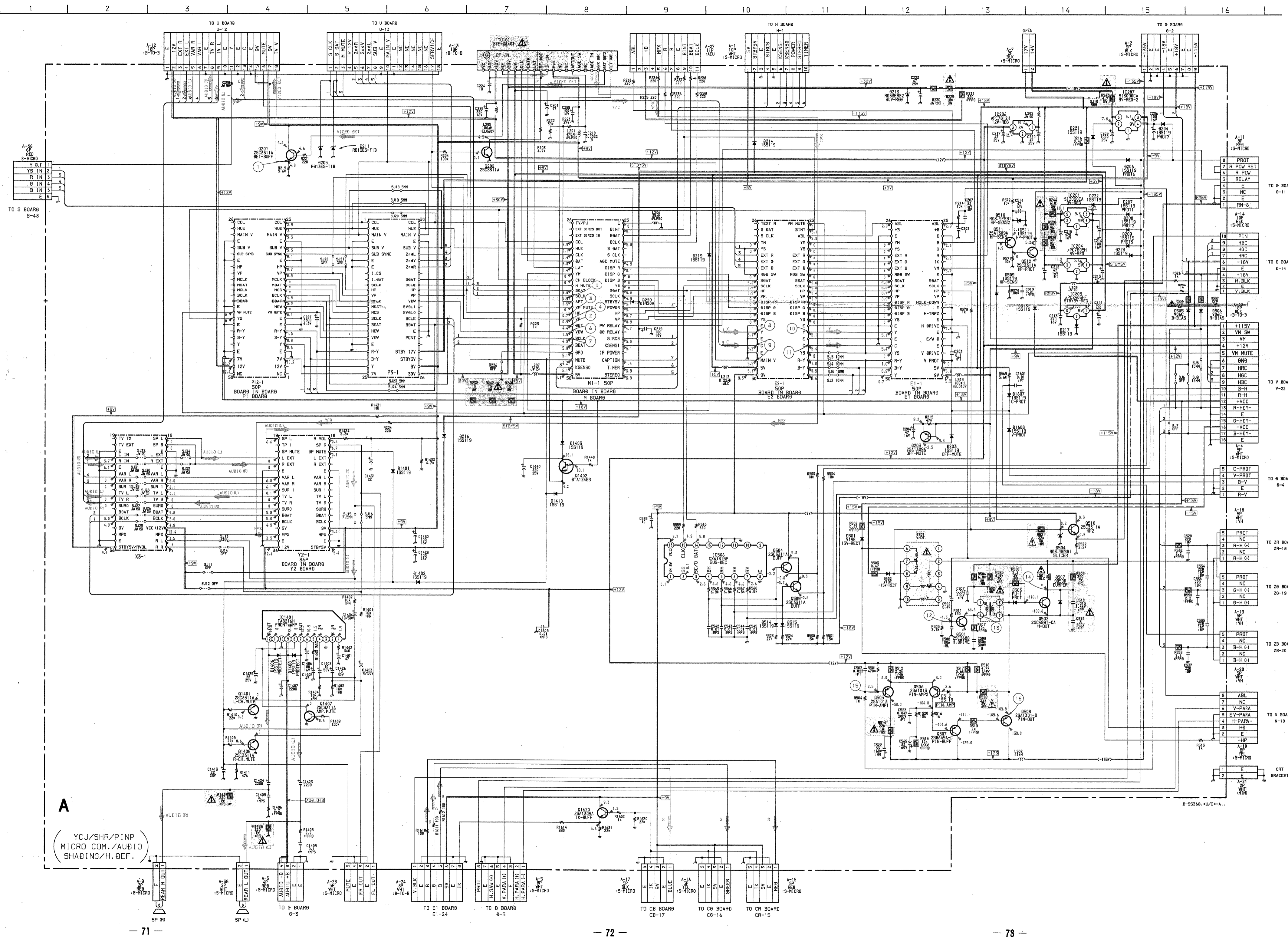
IC		DIODE	
IC201	D-5	D203	G-9
IC204	D-6	D204	B-2
IC205	E-1	D205	E-4
IC206	B-6	D206	D-7
IC207	A-2	D207	D-7
IC506	G-9	D208	E-7
IC1401	C-5	D209	B-6
IC1601	F-9	D211	E-4
		D213	A-6
		D214	A-5
		D216	E-1
		D217	E-1
		D219	G-5
		D220	E-5
		D221	B-1
		D222	D-6
		D223	D-6
		D501	C-7
		D502	C-7
		D503	B-9
		D504	C-7
		D505	F-7
		D506	F-7
		D507	B-8
		D509	C-7
		D510	A-1
		D511	A-1
		D512	C-9
		D513	D-7
		D514	G-7
		D515	G-8
		D1401	A-3
		D1402	B-4
		D1403	C-7
		D1406	B-5
		D1408	B-5
		D1410	D-4
		D1607	G-10
		D1608	G-10

TRANSISTOR

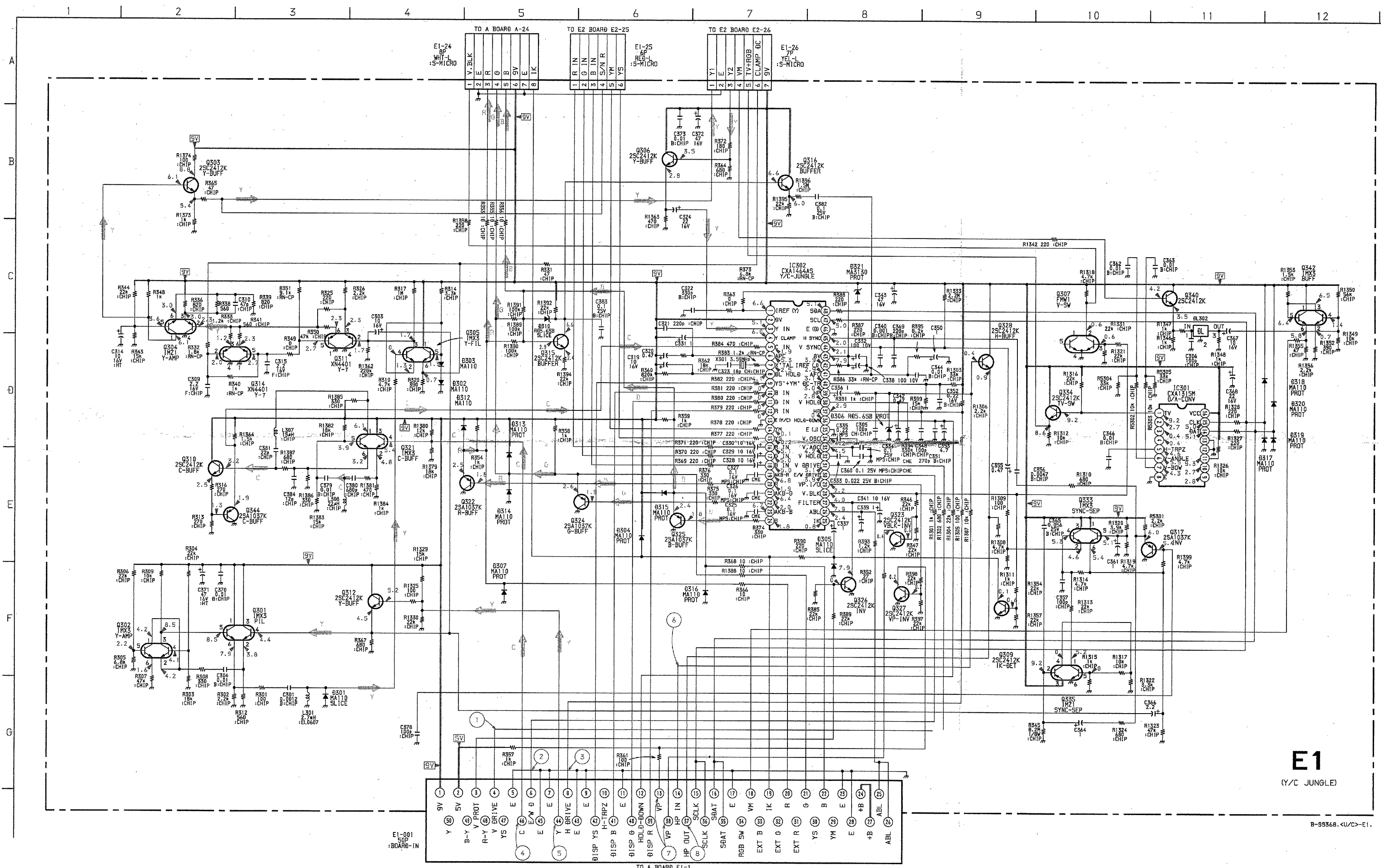
Q201	C-4	D221	B-1
Q202	G-3	D222	D-6
Q203	G-9	D223	D-6
Q501	C-9	D501	C-7
Q502	B-9	D502	C-7
Q504	G-7	D503	B-9
Q505	C-9	D504	C-7
Q506	C-9	D505	F-7
Q507	D-10	D506	F-7
Q508	B-10	D507	B-8
Q509	G-8	D509	C-7
Q510	C-8	D510	A-1
Q511	A-2	D511	A-1
Q512	A-2	D512	C-9
Q1401	B-2	D513	D-7
Q1402	C-7	D514	G-7
Q1407	B-5	D515	G-8
Q1408	B-4	D1401	A-3
Q1601	E-9	D1402	B-4
Q1602	E-10	D1403	C-7
Q1603	E-10	D1406	B-5
Q1604	E-10	D1408	B-5
Q1605	E-9	D1410	D-4
Q1606	E-9	D1607	G-10
Q1620	D-8	D1608	G-10

- A BOARD -



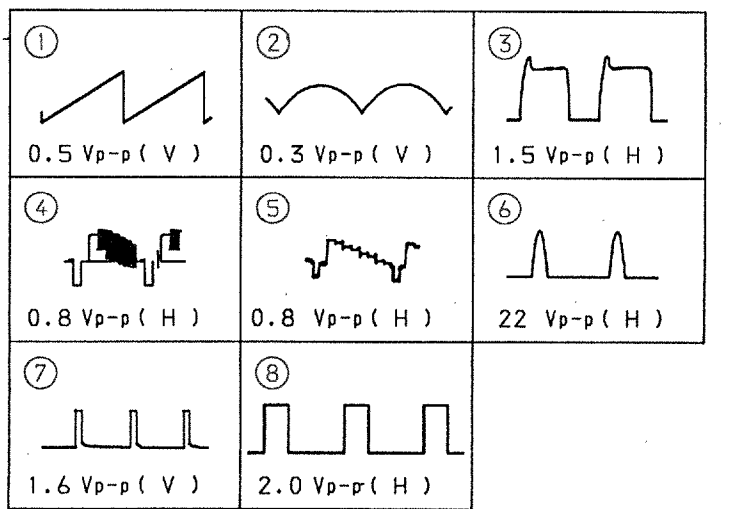


A
 YC/SHR/PINP
 MICRO COM./AUDIO
 SHADING/H.DEF.

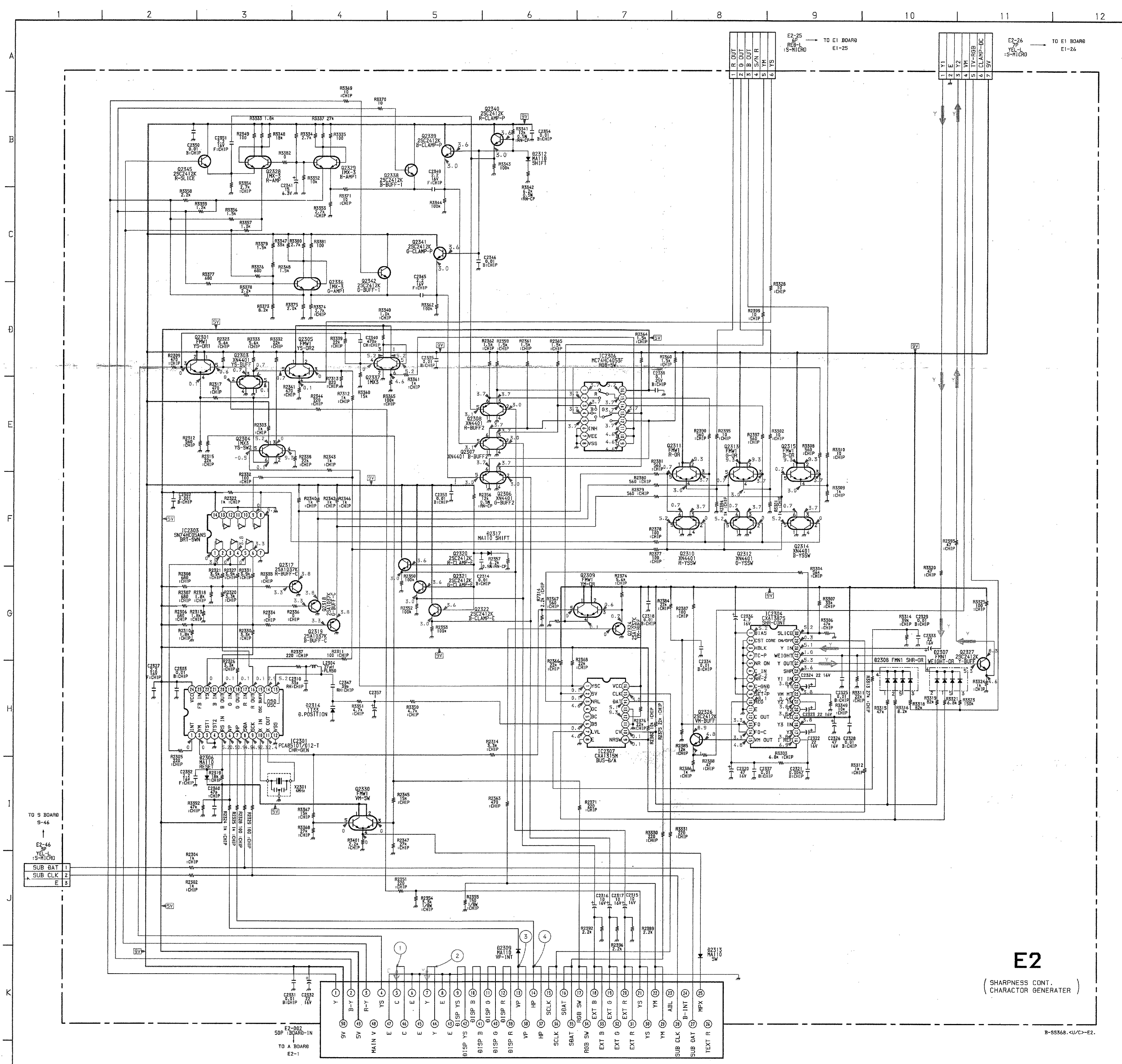
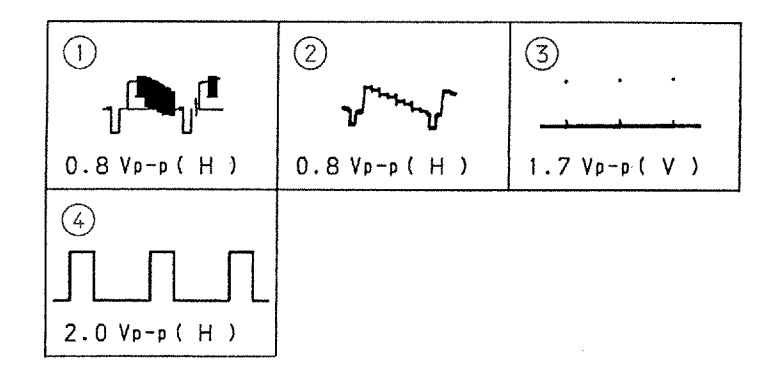


E1
(Y/C JUNGLE)

• E1 BOARD WAVEFORMS



• E2 BOARD WAVEFORMS



E2
(SHARPNESS CONT.
CHARACTER GENERATOR)

E1 [Y/C JUNGLE]

E2 [SHARPNESS CONT.,
CHARACTOR GENERATER]

Note :

- : Pattern from the side which enables seeing.
- : Pattern of the rear side.

Note :

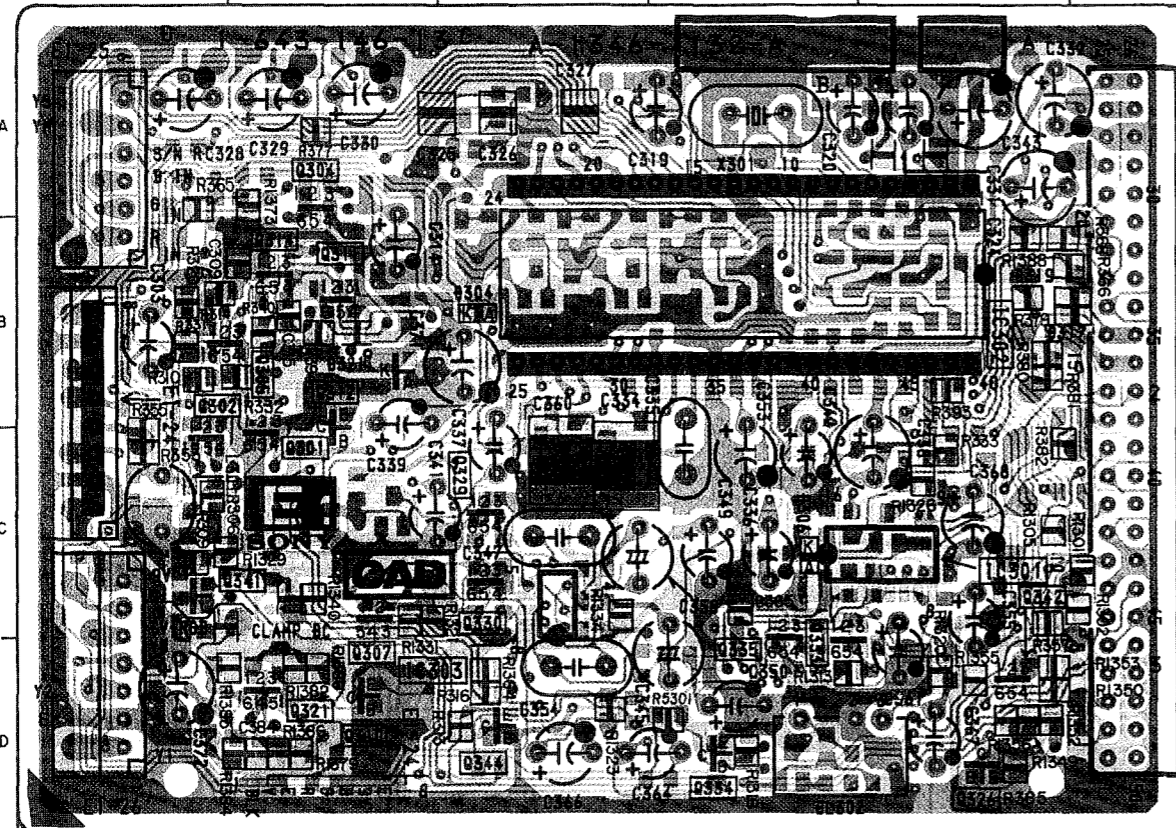
- : Pattern from the side which enables seeing.
- : Pattern of the rear side.

- E1 BOARD - (Component Side)

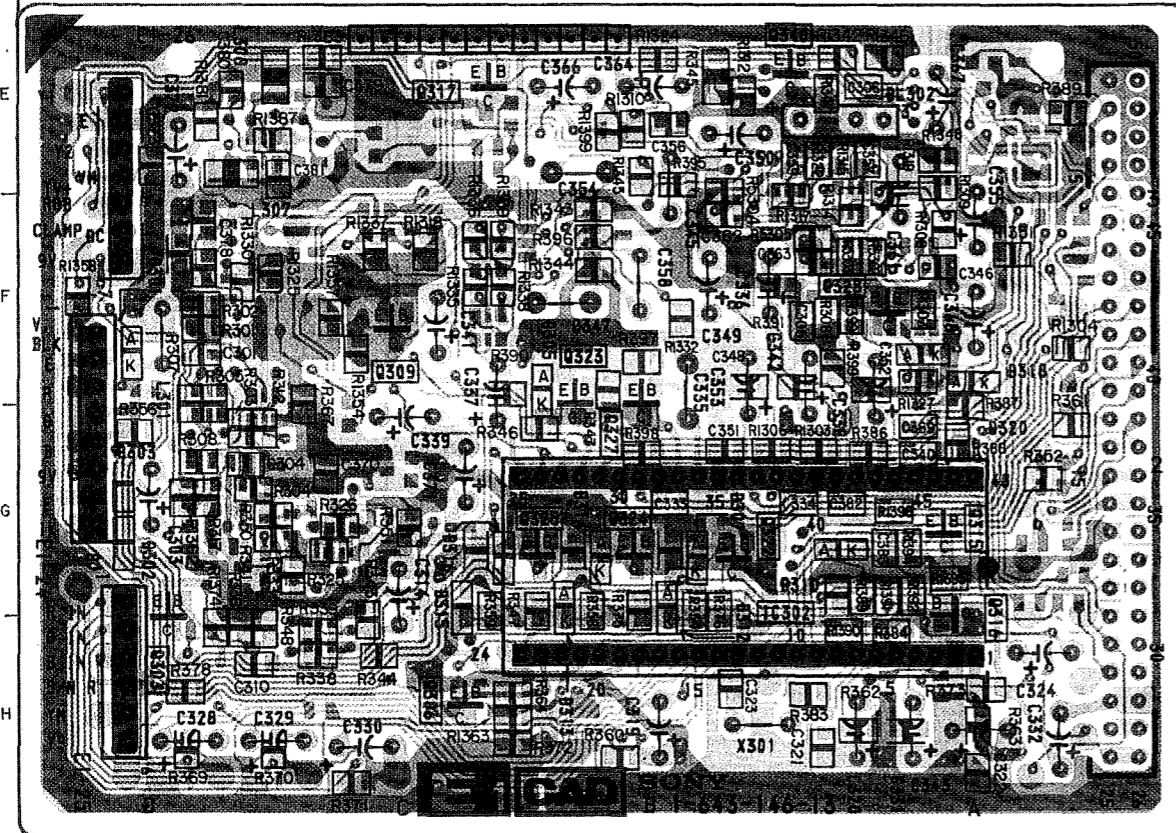
- E2 BOARD - (Component Side)

E1 BOARD

IC	
IC301	C-5
IC302	B-4, G-4
TRANSISTOR	
Q301	C-2
Q302	C-1
Q303	G-1
Q304	A-2
Q305	B-1
Q306	H-3
Q307	C-2
Q309	F-2
Q310	D-2
Q311	B-2
Q312	B-2
Q314	B-2
Q315	G-5
Q316	G-5
Q317	E-3
Q321	D-2
Q322	G-4
Q323	F-3
Q324	G-3
Q325	G-3
Q326	D-5
Q327	G-3
Q328	F-5
Q333	D-4
Q334	D-4
Q335	D-4
Q340	E-4
Q342	D-5
Q344	D-3
DIODE	
D301	F-1
D302	G-1
D303	G-1
D304	B-3
D305	F-3
D306	C-4
D307	G-4
D310	G-4
D312	G-4
D313	G-3
D314	G-3
D315	G-2
D316	G-3
D317	B-5
D318	F-5
D319	B-5
D320	G-5
D321	B-2



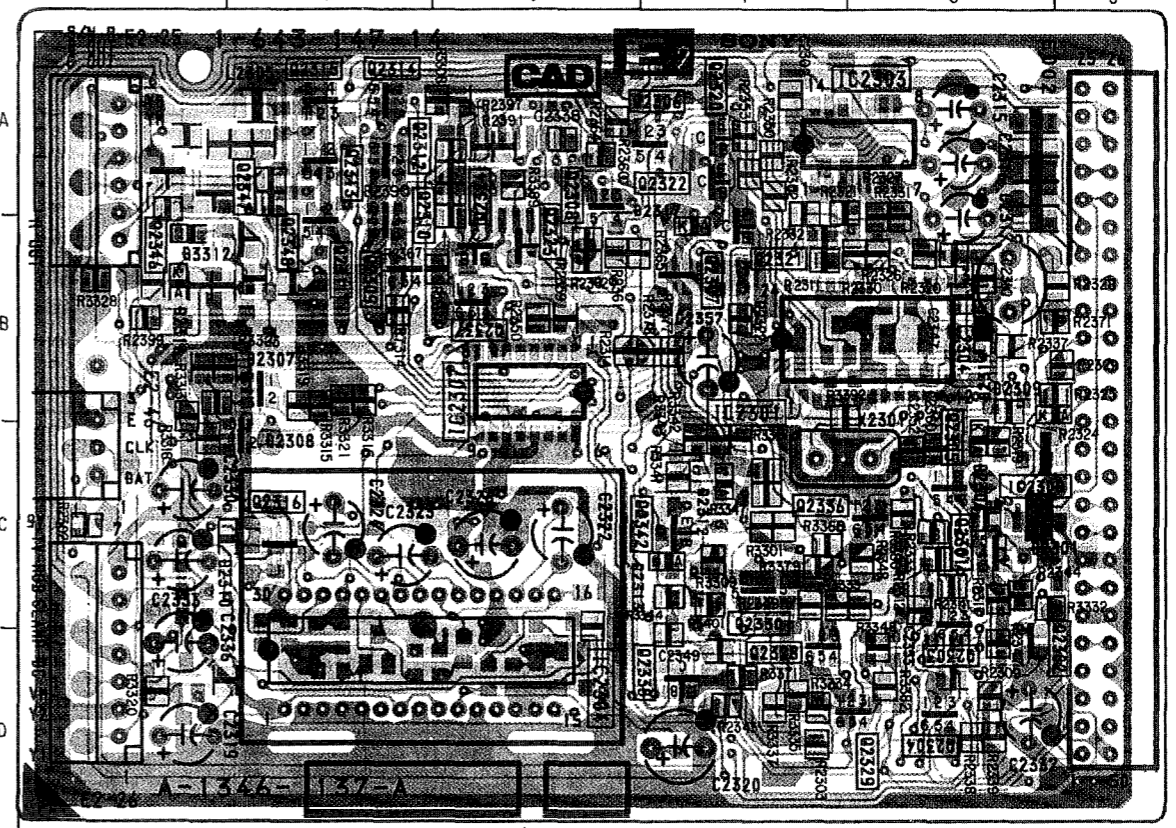
(Conductor Side)



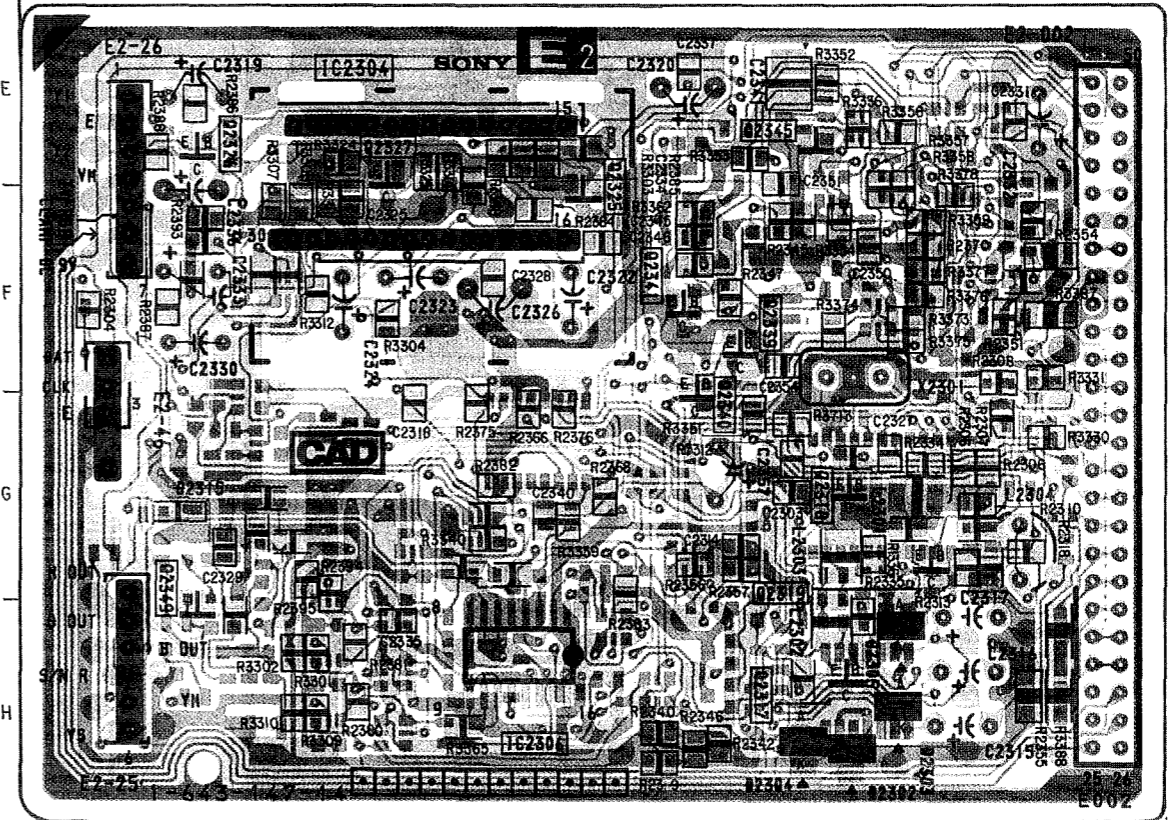
E2 BOARD

IC	
IC2301	B-4
IC2303	A-5
IC2304	D-3, E-2
IC2306	H-3
IC2307	B-3
TRANSISTOR	
Q2301	C-5
Q2303	C-5
Q2304	D-5
Q2305	C-5
Q2306	A-3
Q2307	B-4
Q2308	A-3
Q2309	B-2
Q2310	A-2
Q2311	A-2
Q2312	A-2
Q2313	A-2
Q2314	A-2
Q2315	A-2
Q2317	H-4
Q2318	G-4
Q2319	G-5
Q2320	A-4
Q2321	A-4
Q2322	A-4
Q2324	B-3
Q2326	E-1
Q2327	E-2
Q2330	C-4
Q2337	B-3
Q2339	F-4
Q2340	F-4
Q2341	F-4
DIODE	
D2306	C-5
D2307	B-2
D2308	B-2
D2309	B-5
D2312	C-4
D2313	C-4
D2314	B-5
D2317	A-4

E2 BOARD



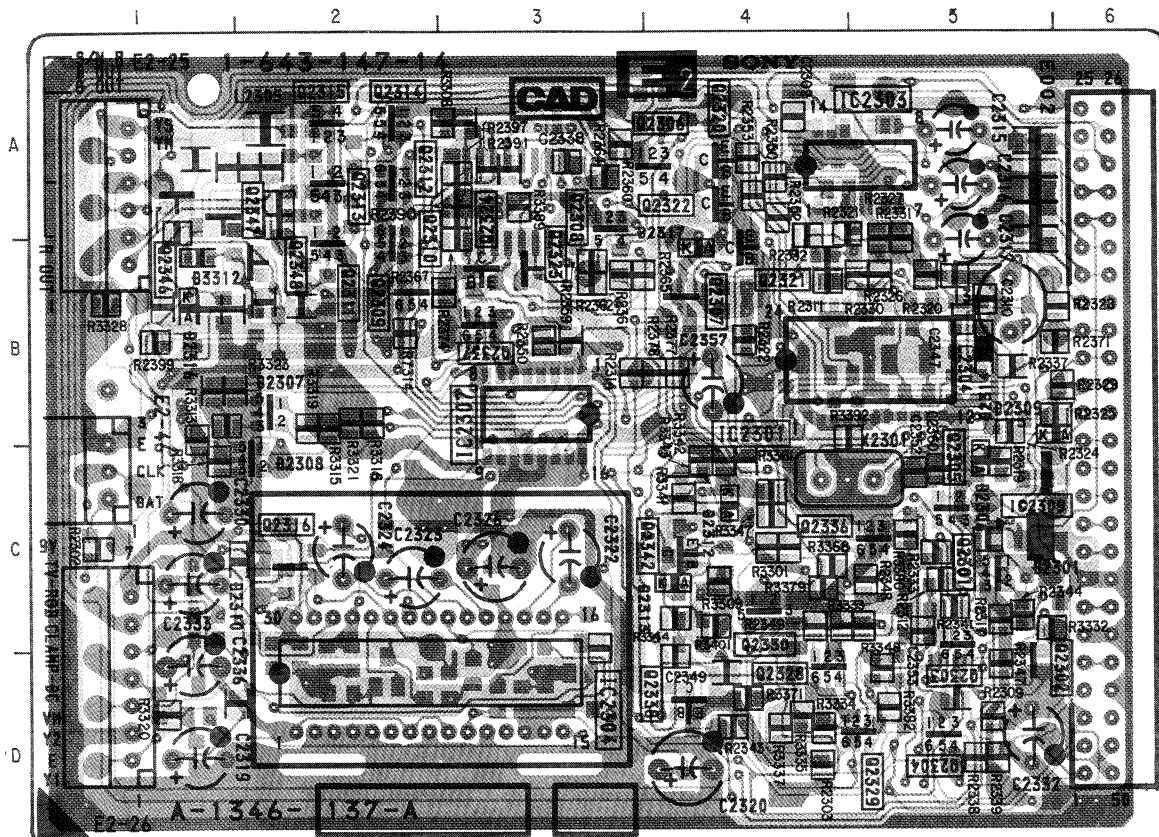
(Conductor Side)



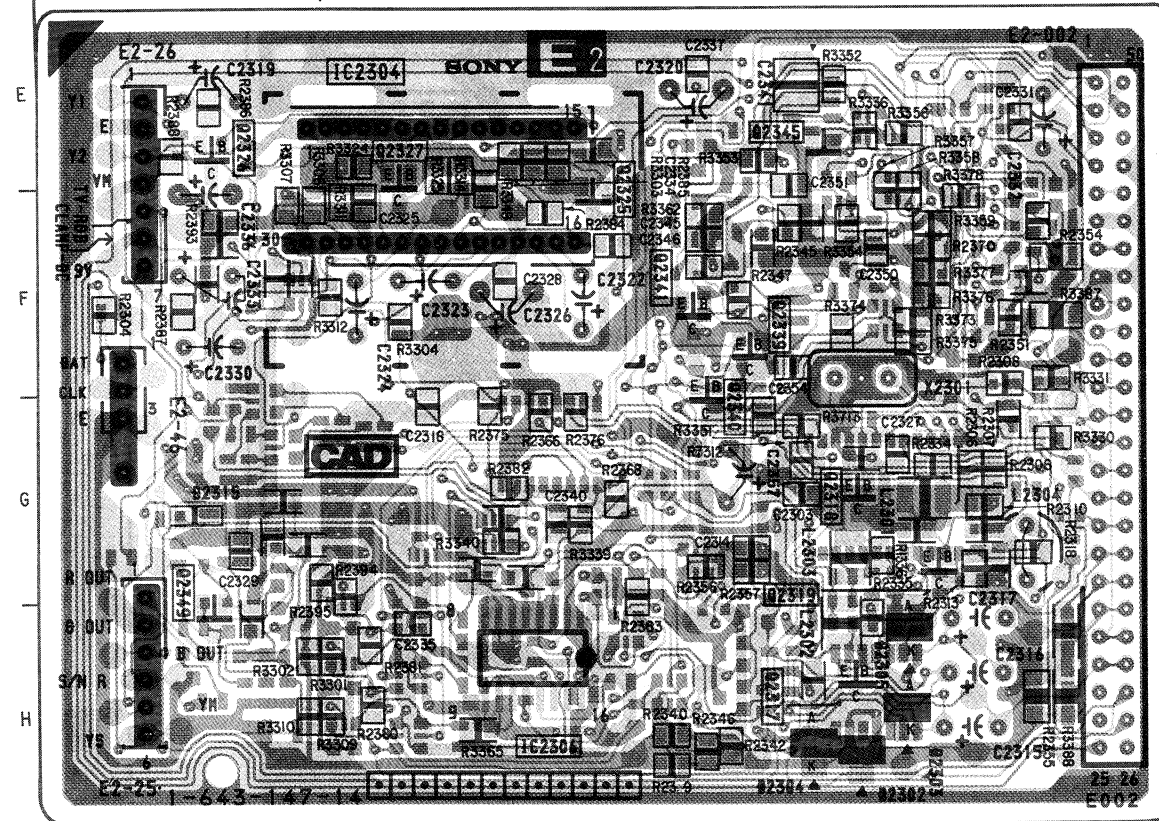
Note :

- [Pattern] : Pattern from the side which enables seeing.
- [Pattern] : Pattern of the rear side.

- E2 BOARD - (Component Side)



(Conductor Side)



E2 BOARD

IC	
IC2301	B-4
IC2303	A-5
IC2304	D-3, E-2
IC2306	H-3
IC2307	B-3

TRANSISTOR	
Q2301	C-5
Q2303	C-5
Q2304	D-5
Q2305	C-5
Q2306	A-3
Q2307	B-4
Q2308	A-3
Q2309	B-2
Q2310	A-2
Q2311	A-2
Q2312	A-2
Q2313	A-2
Q2314	A-2
Q2315	A-2
Q2317	H-4
Q2318	G-4
Q2319	G-5
Q2320	A-4
Q2321	A-4
Q2322	A-4
Q2324	B-3
Q2326	E-1
Q2327	E-2
Q2330	C-4
Q2337	B-3
Q2339	F-4
Q2340	F-4
Q2341	F-4

DIODE	
D2306	C-5
D2307	B-2
D2308	B-2
D2309	B-5
D2312	C-4
D2313	C-4
D2314	B-5
D2317	A-4

Note 1

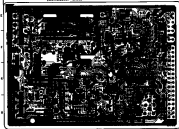
- [Symbol] : Pattern from the side which involves wiring
- [Symbol] : Pattern of the rear side.

mounting

- 02 BOARD - Component Side



Conductor Side



02 BOARD

C	
0000	000
0001	000
0002	000
0003	000
0004	000
0005	000
0006	000
0007	000
0008	000
0009	000
0010	000
0011	000
0012	000
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0016	000
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0043	000
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0099	000

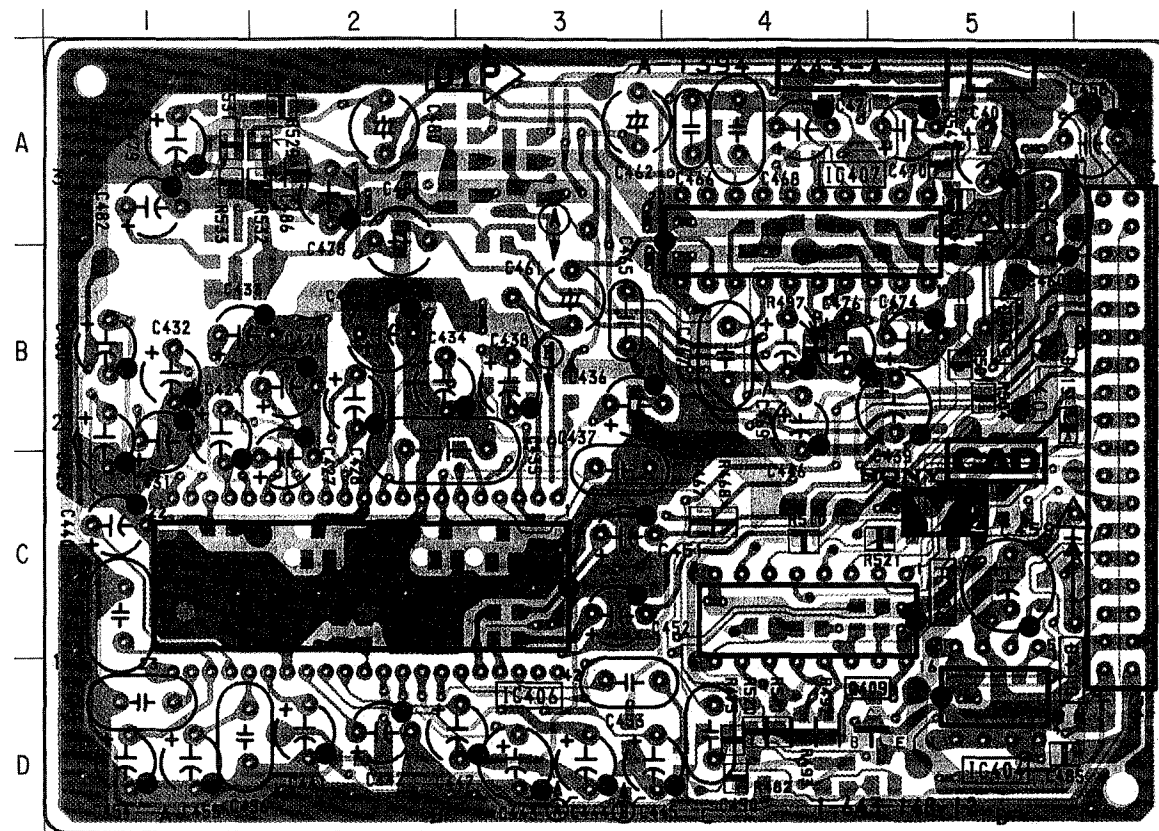
Y2 [MTS-RECORDER,
NVM, AUDIO CON.]

UT [IN/OUT TERMINAL]

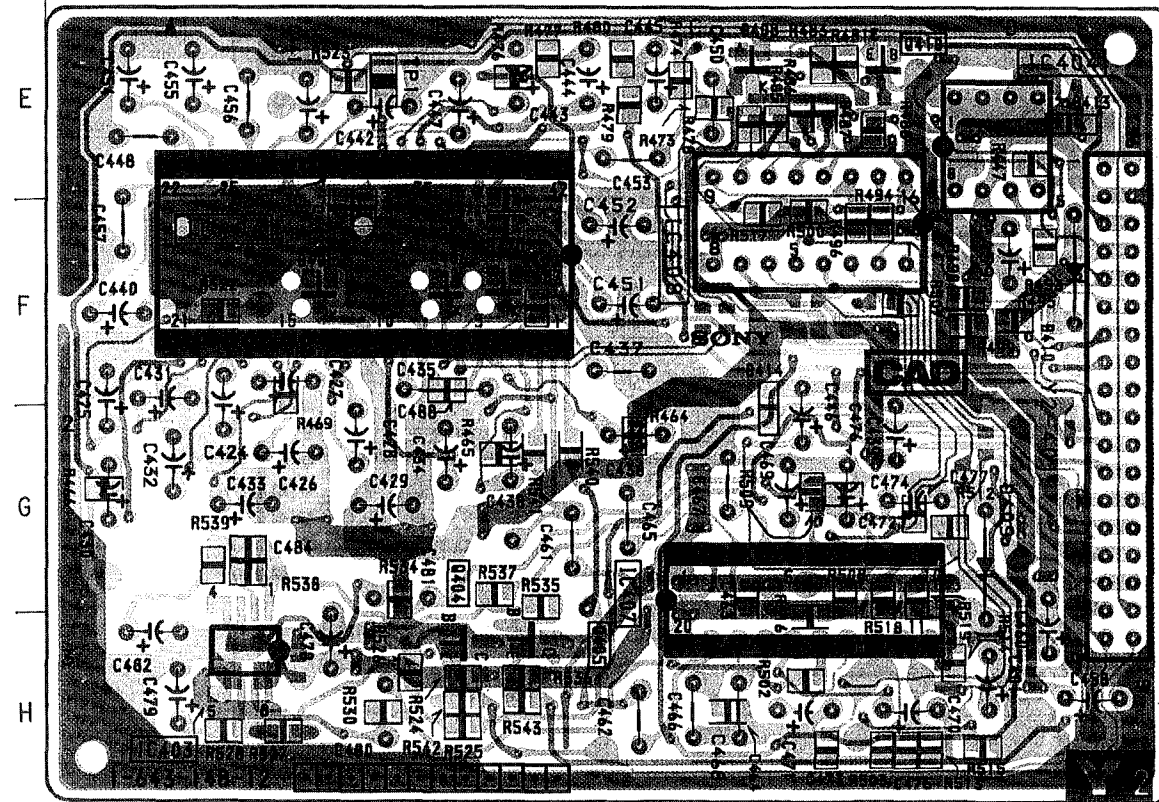
Note:

- [Pattern] : Pattern from the side which enables seeing.
- [Pattern] : Pattern of the rear side.

- Y2 BOARD - (Component Side)



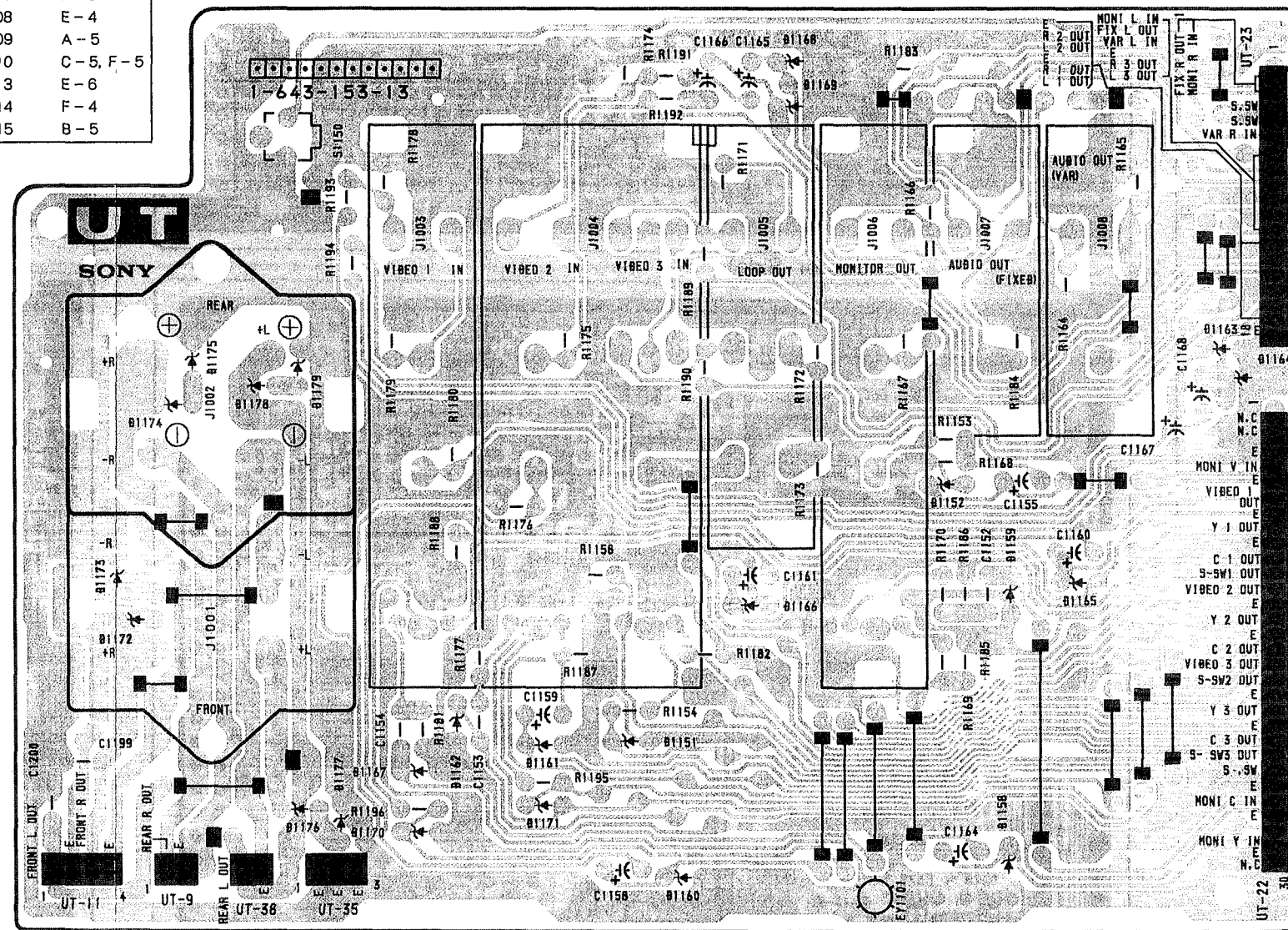
(Conductor Side)

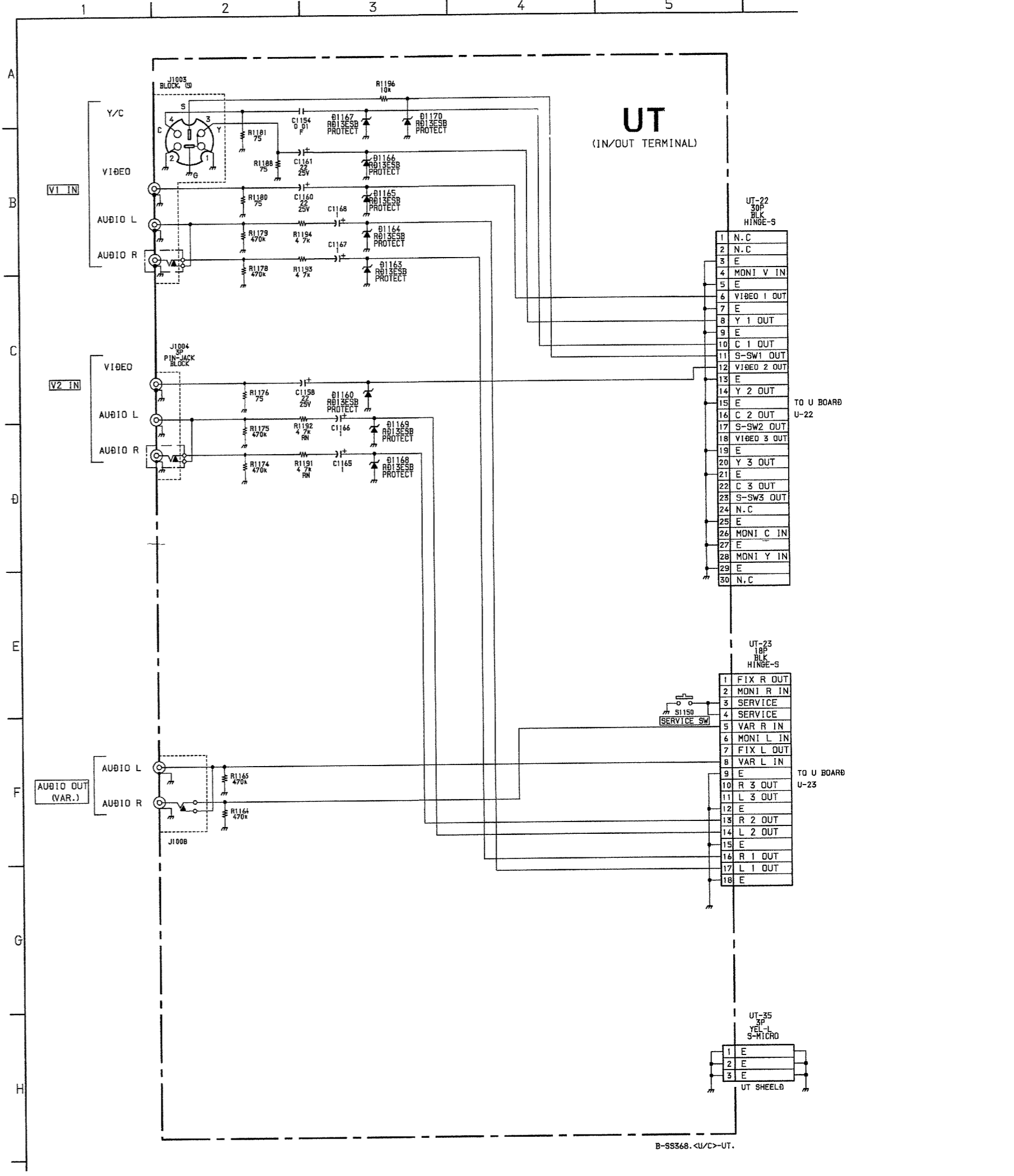
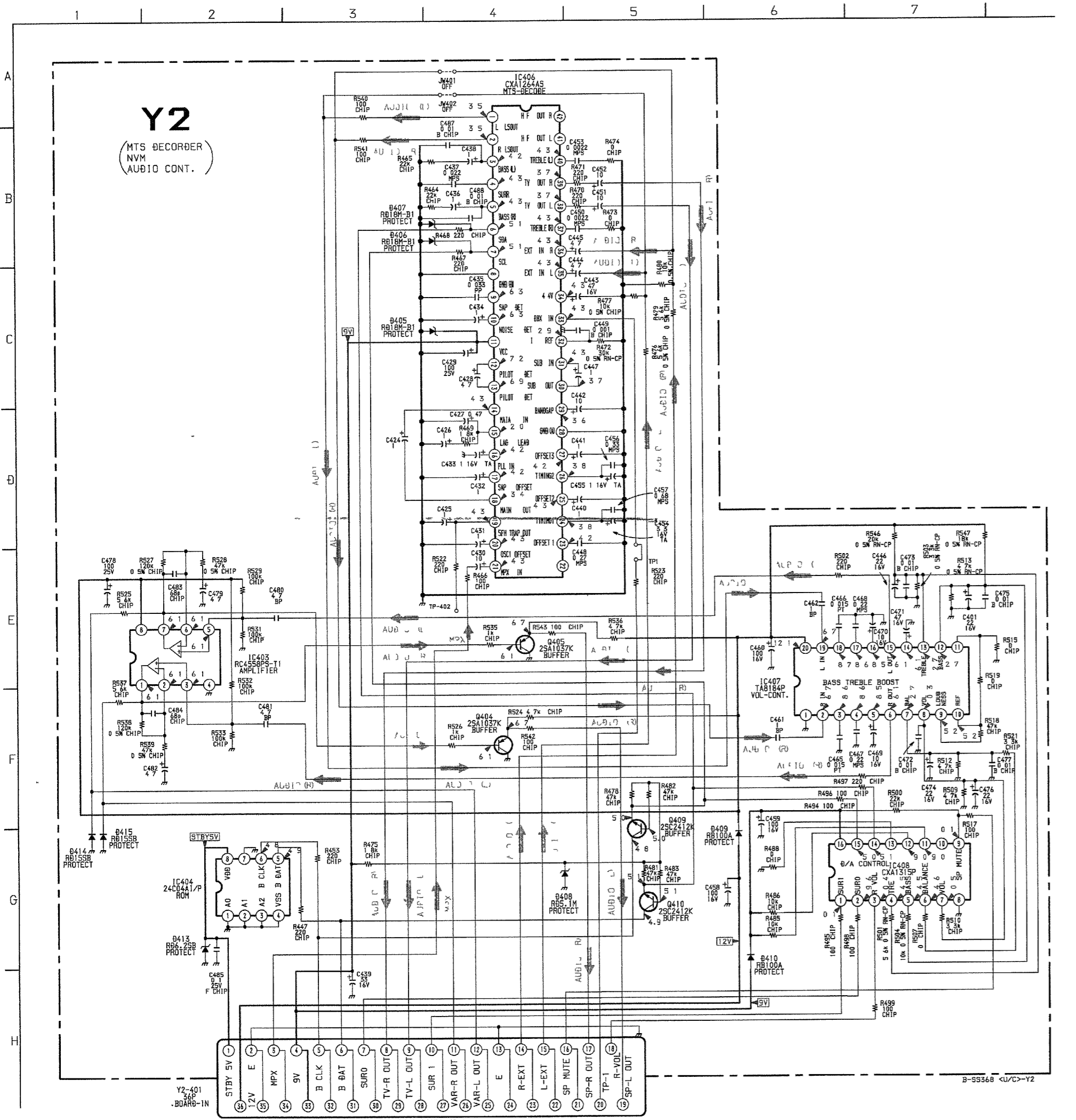


Y2 BOARD

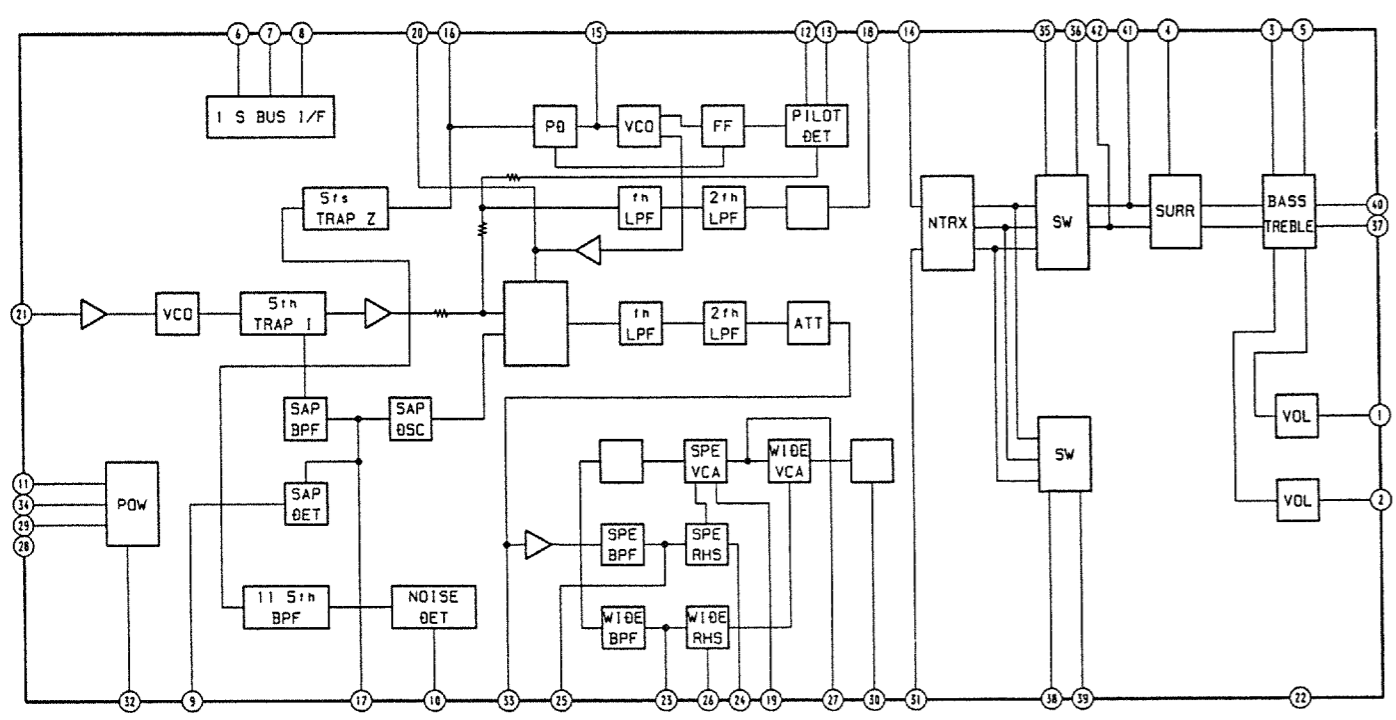
IC	
IC403	H-1
IC404	D-5, E-5
IC406	C-2, F-2
IC407	A-4, G-4
IC408	C-4, F-4
TRANSISTOR	
Q404	H-3
Q405	H-3
Q409	D-5
Q410	E-5
DIODE	
D405	F-2
D406	F-2
D407	F-3
D408	E-4
D409	A-5
D410	C-5, F-5
D413	E-6
D414	F-4
D415	B-5

- UT BOARD -

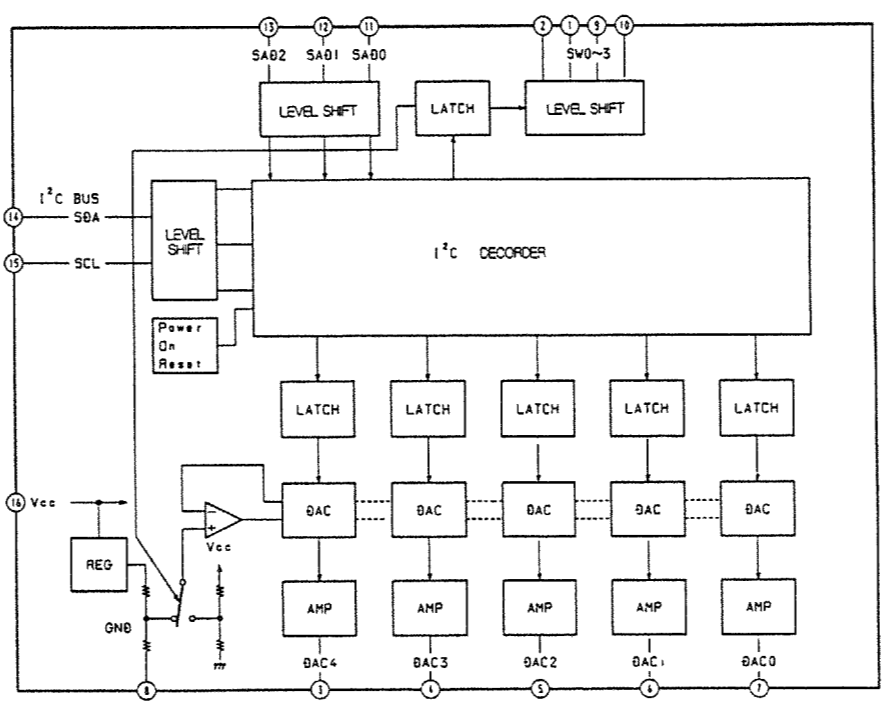




Y2 BOARD IC406 CX1264AS



Y2 BOARD IC408 CX1315P



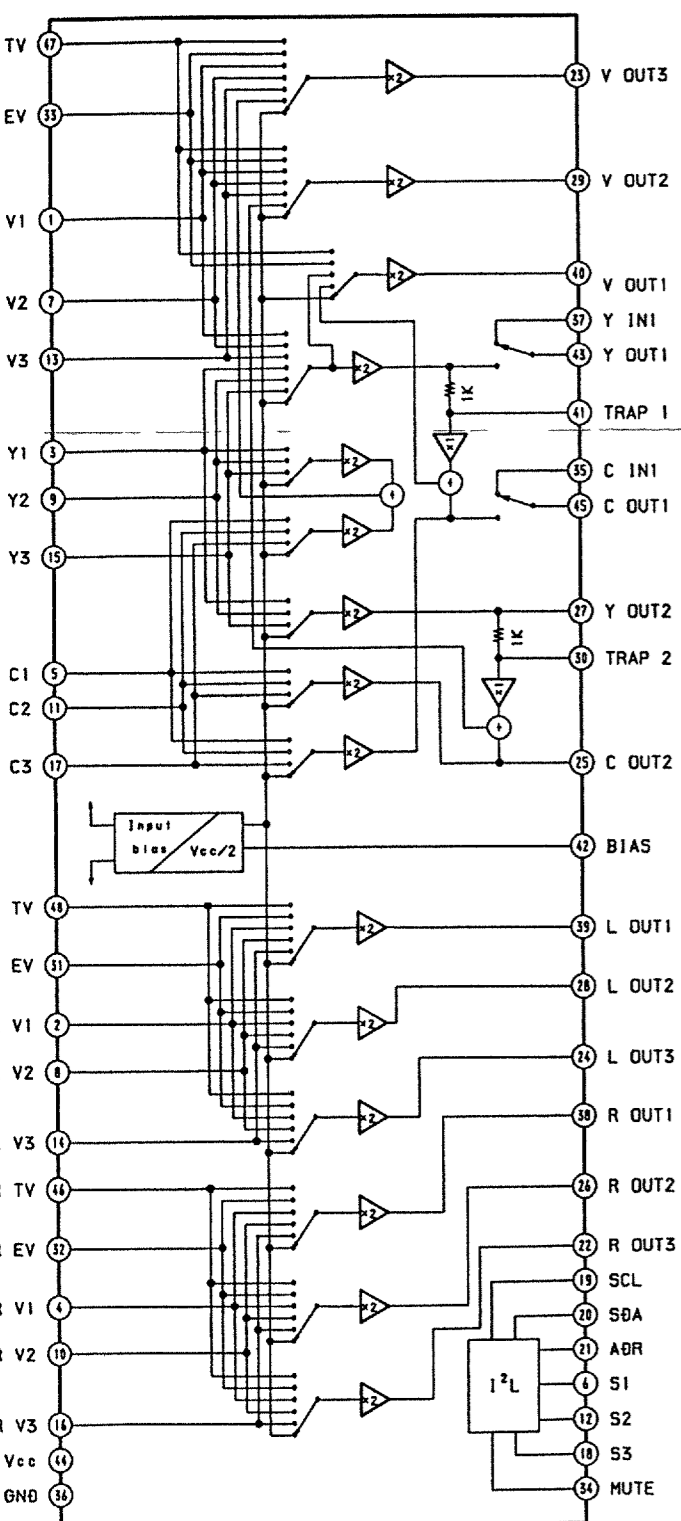
Schematic diagrams

← Y2 UT boards

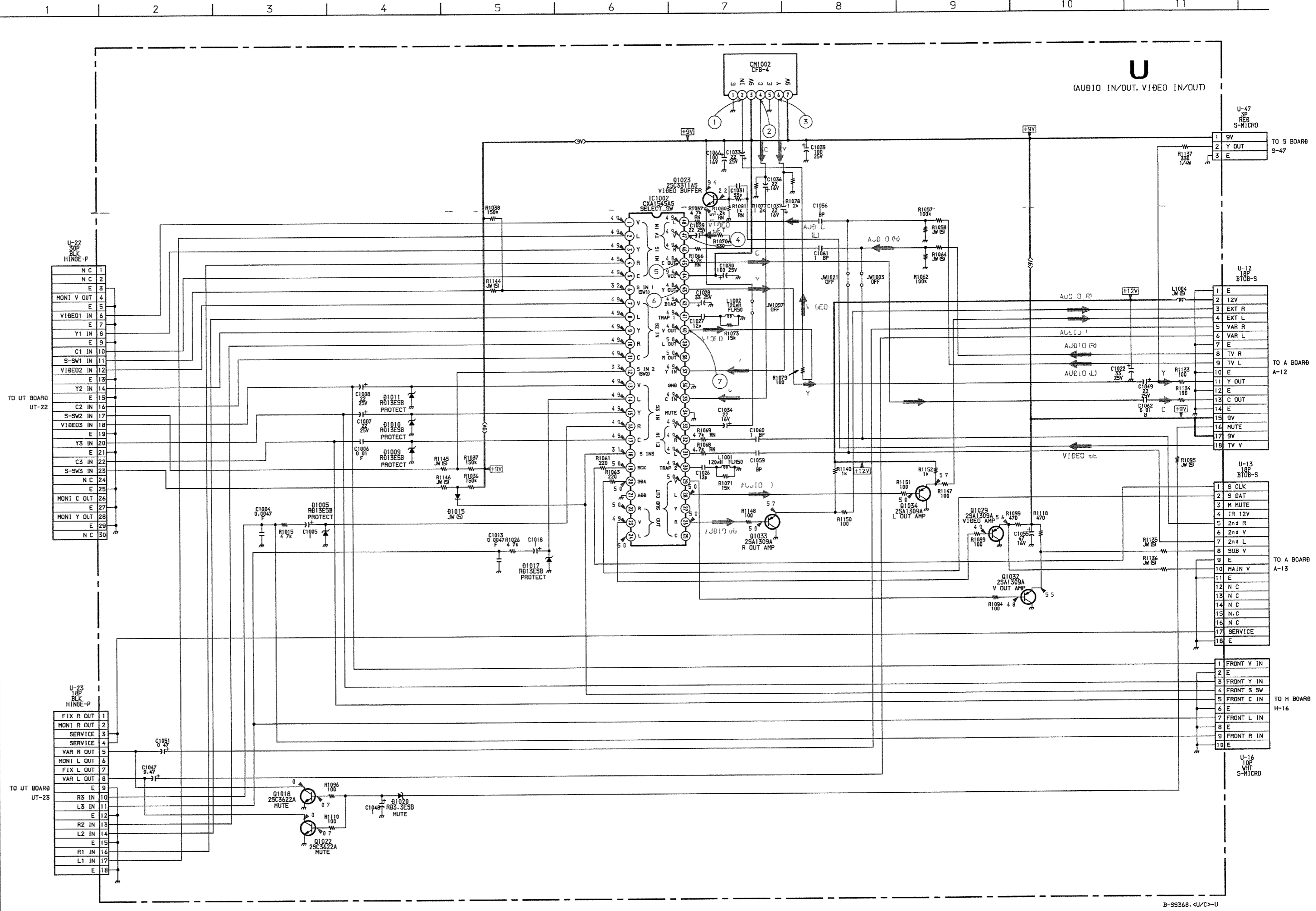
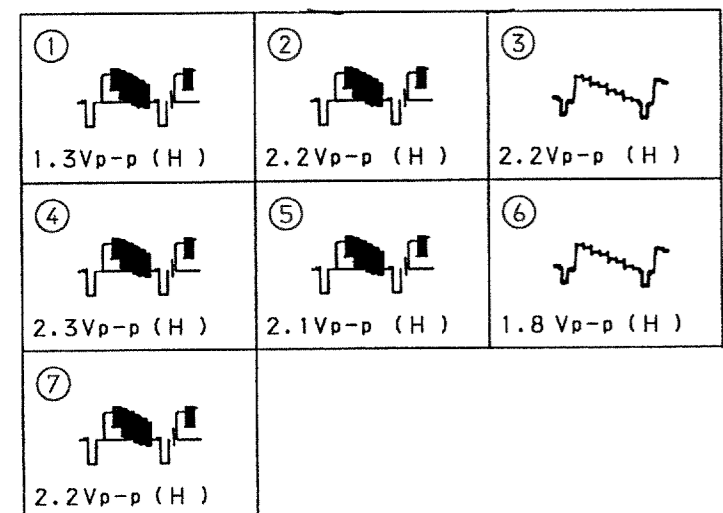
Schematic diagrams

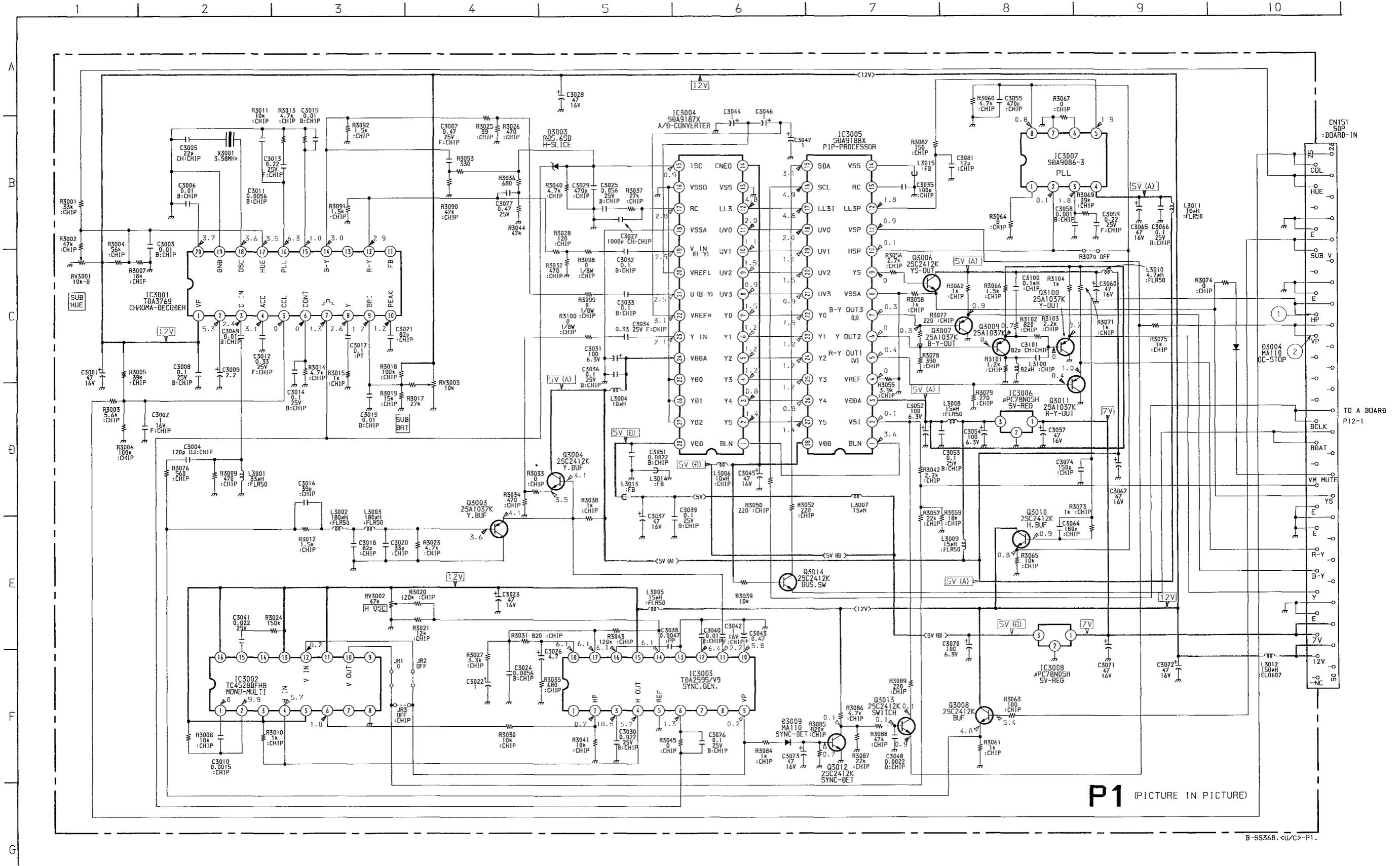
U board →

U BOARD IC1002 CXA1545S



• U BOARD WAVEFORMS



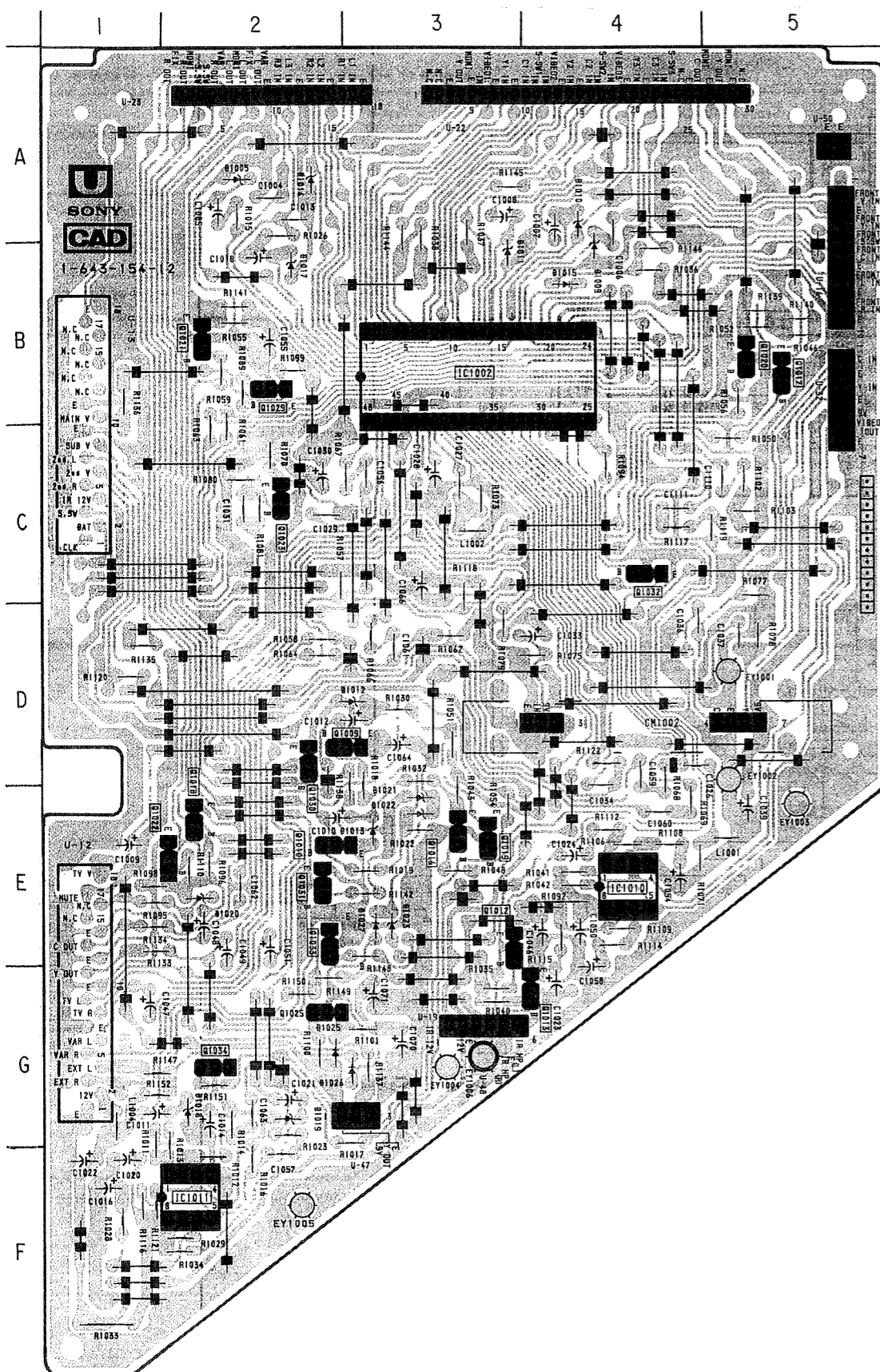


B-SS368. <U/C>-P1.

U AUDIO IN/OUT,
VIDEO IN/OUT

P1 [P IN P]

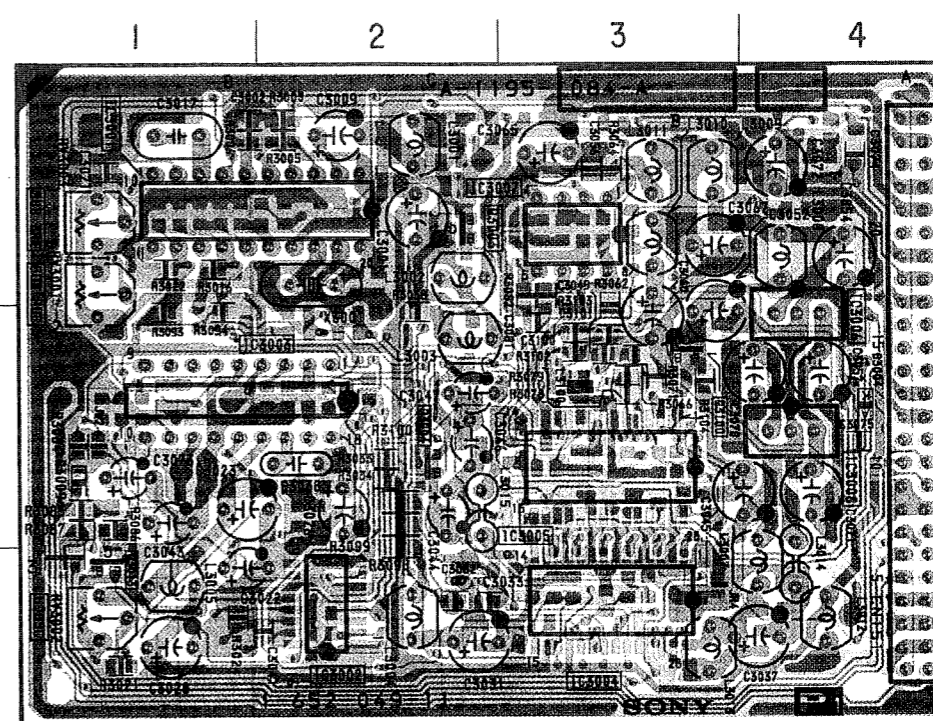
- U BOARD -



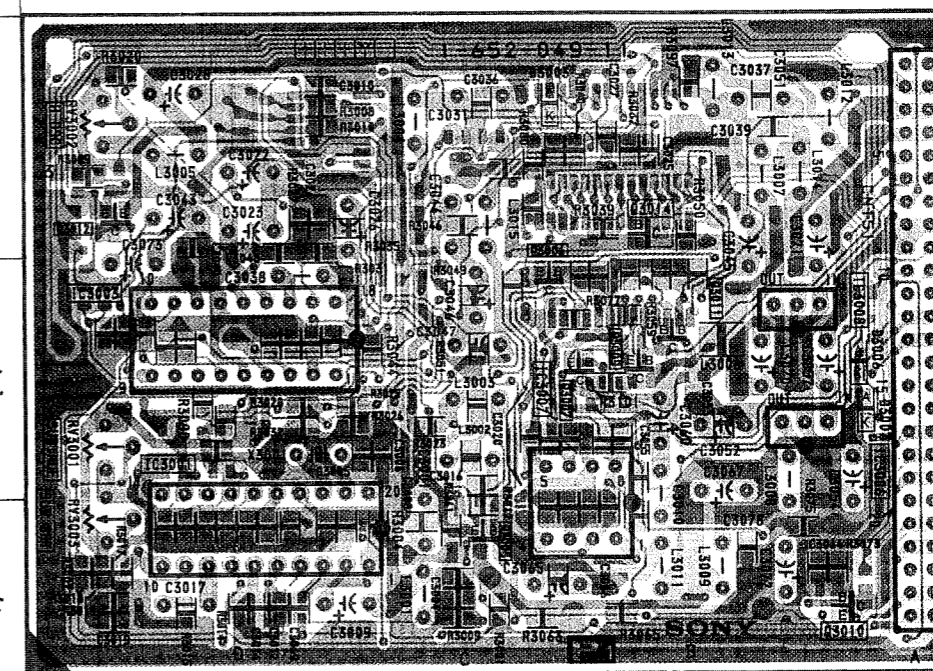
U BOARD

IC	
IC1002	B-3
TRANSISTOR	
Q1018	E-2
Q1022	E-1
Q1023	C-2
Q1029	B-2
Q1032	C-4
Q1033	E-2
Q1034	G-2
DIODE	
D1005	A-2
D1009	B-4
D1010	A-4
D1011	B-3
D1015	B-4
D1017	B-2
D1020	E-2

- P1 BOARD - (Component Side)



(Conductor Side)

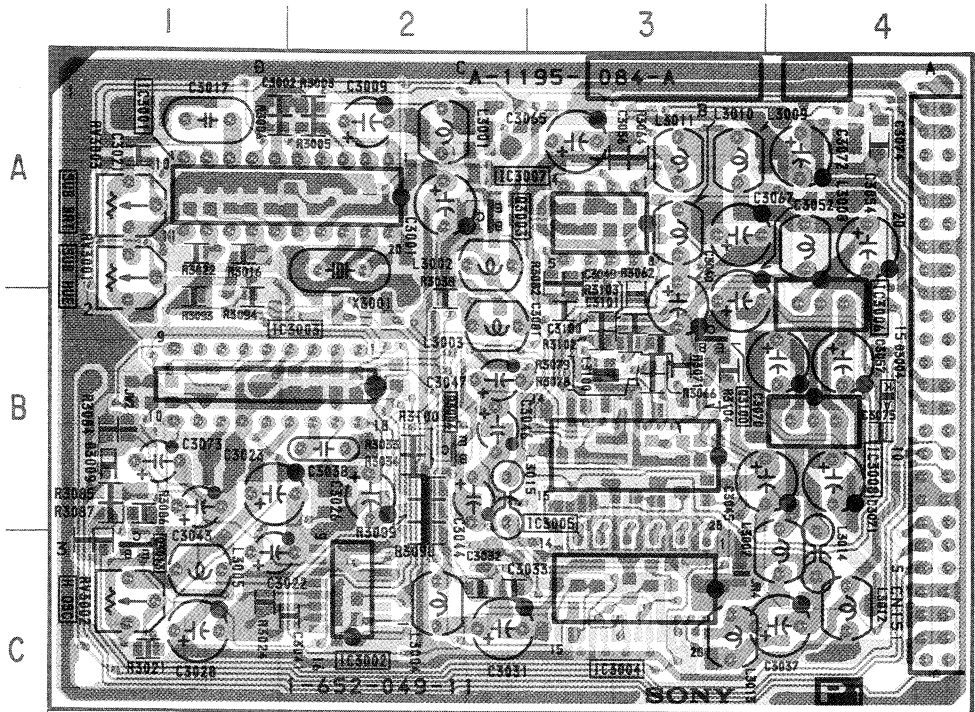


Note :

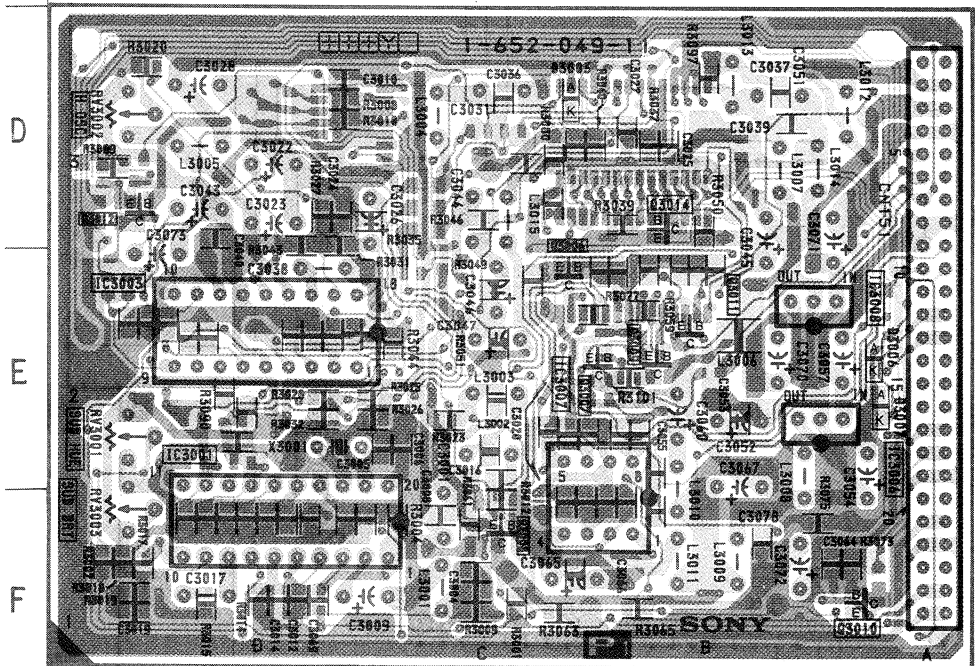
- : Pattern from the side which enables seeing.
- : Pattern of the rear side.

- P1 BOARD - (Component Side)

-3
STOR
-2
-1
-2
-2
-4
-2
-2
E
-2
-4
-4
-3
-4
-2
-2



(Conductor Side)

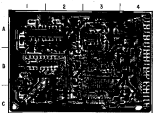


Note :

- [Pattern from the side which enables seeing.]
- [Pattern of the rear side.]

- P1 BOARD - (Component Side)

TOR	
-3	
-1	
-2	
-3	
-4	
-5	
E	
-2	
-4	
-6	
-7	
-8	
-9	
-0	
-1	

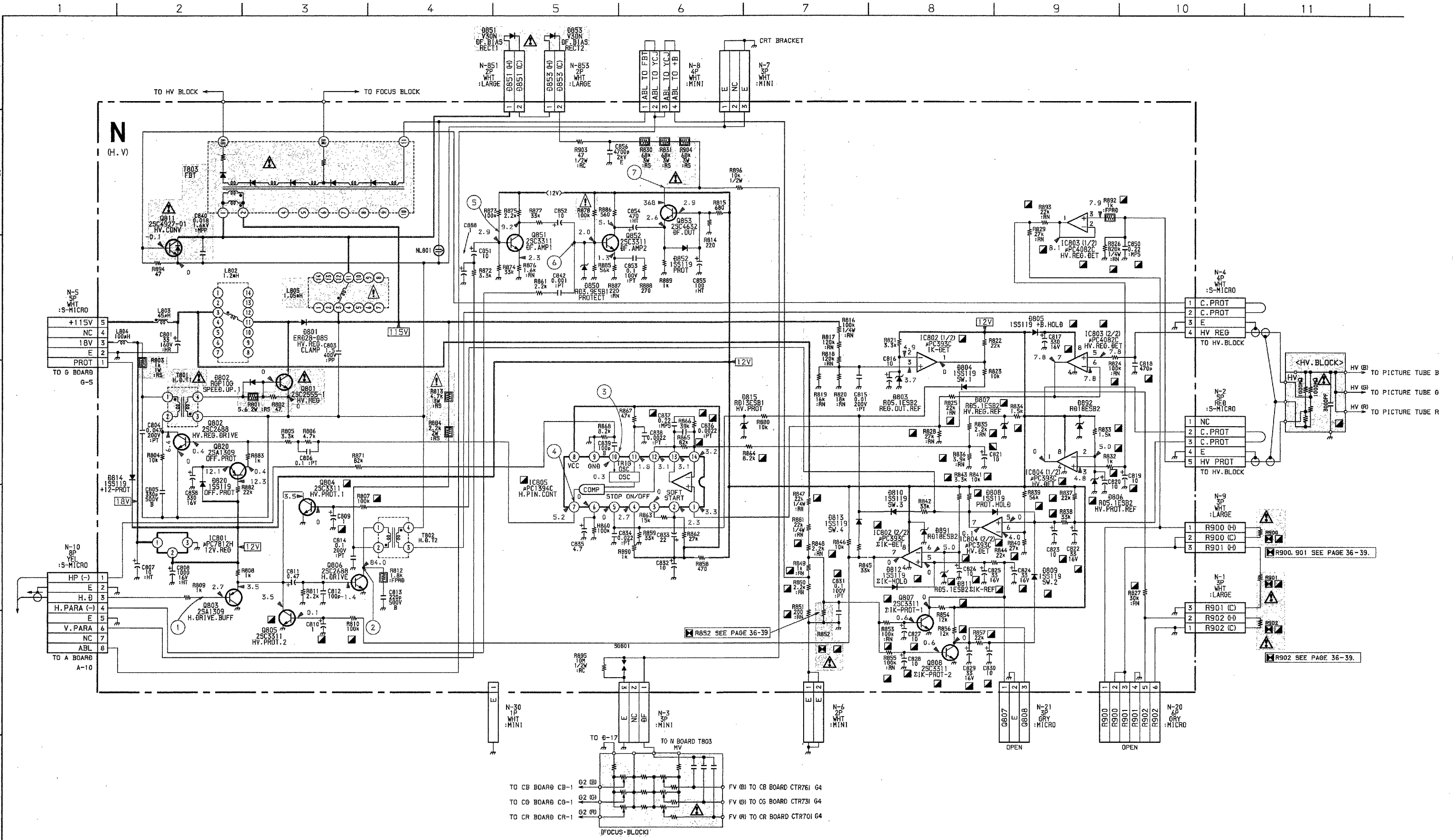
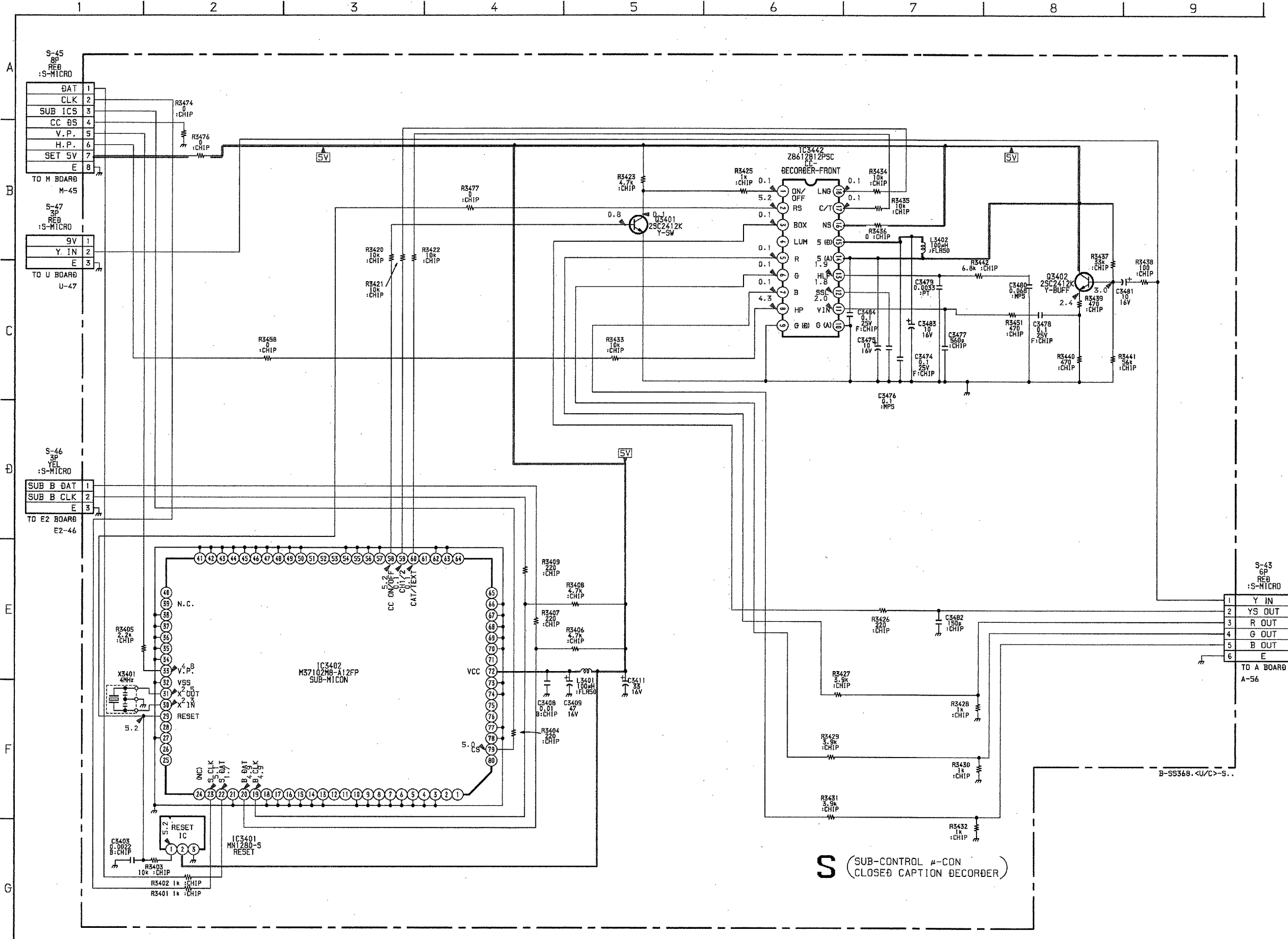


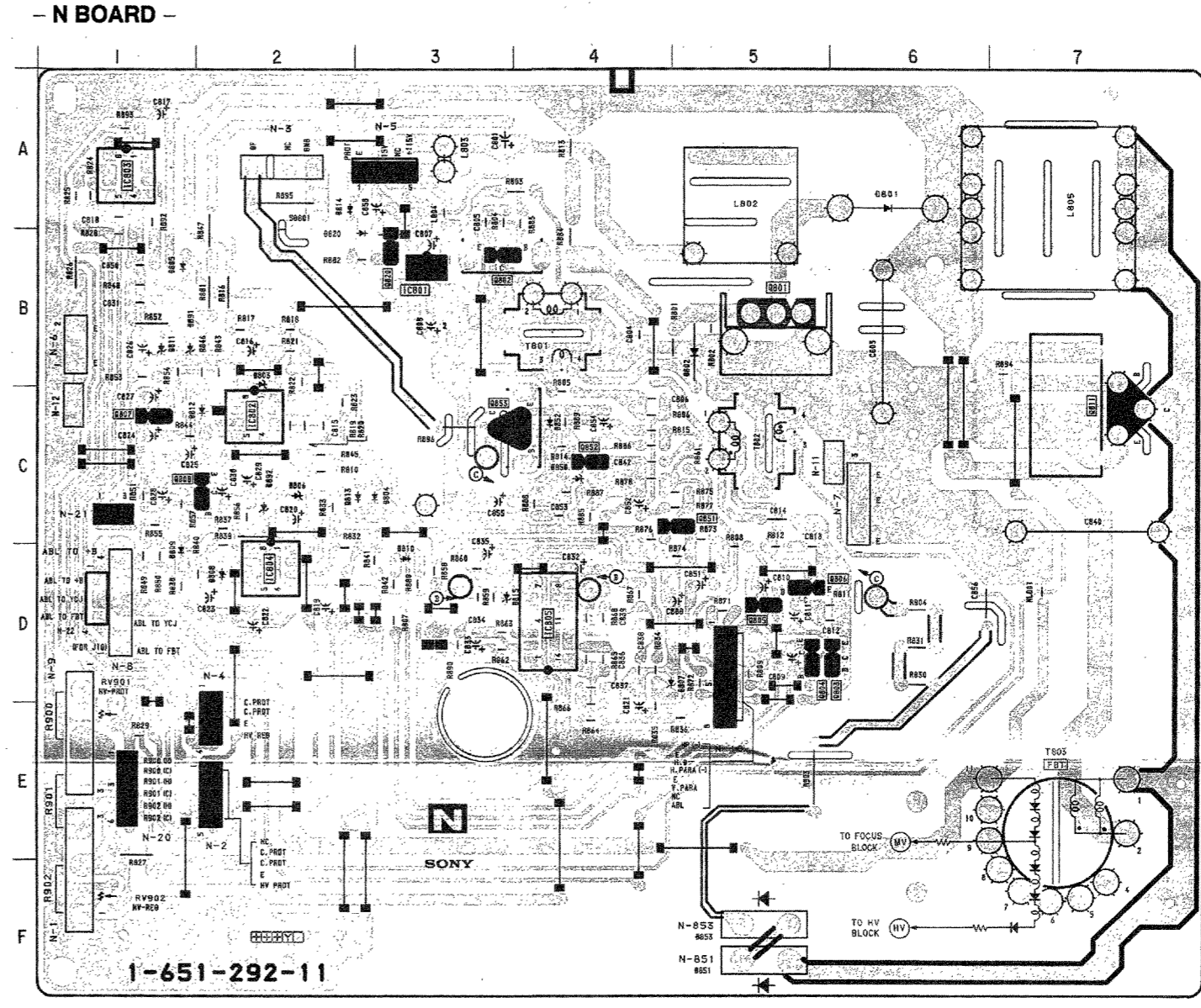
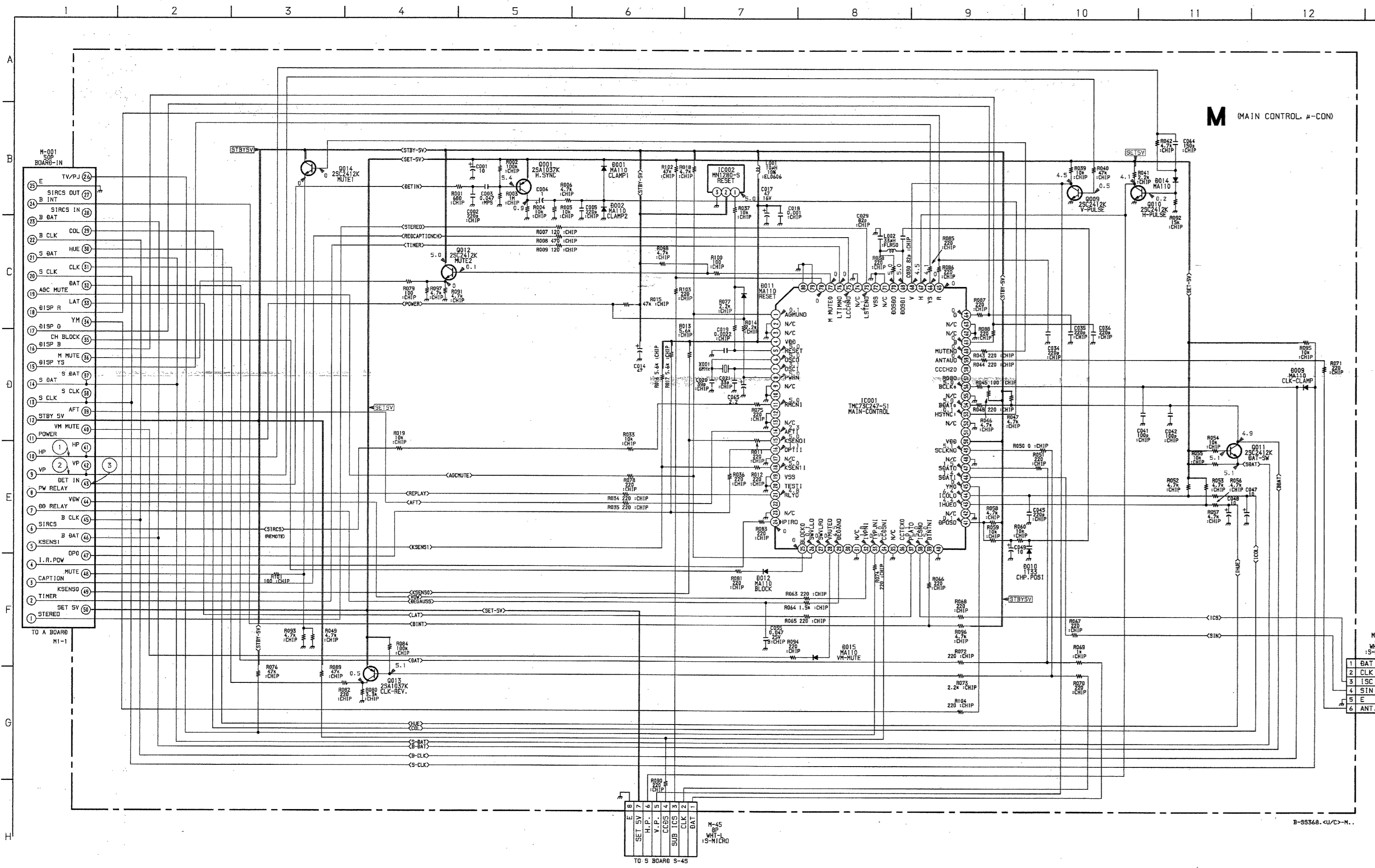
Conductor Side



Notes:

- 1. (Dark) - Masked from the view which enables entry.
- 2. (Light) - Pattern of the top side.

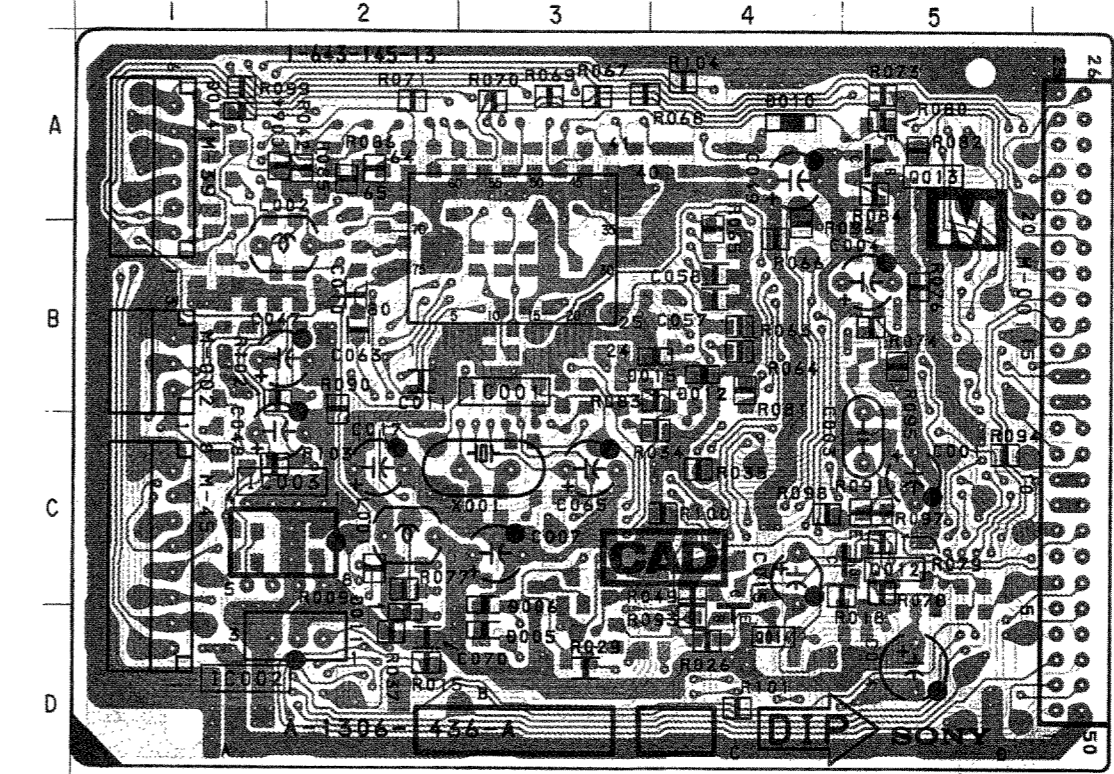




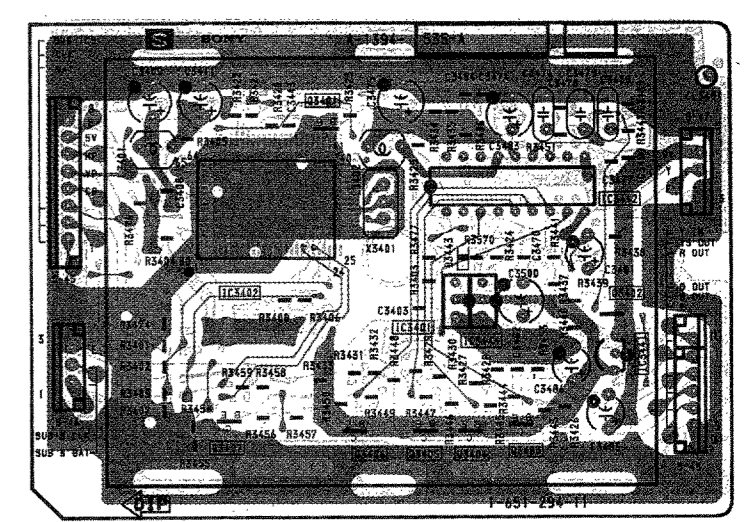
N BOARD

IC	DIODE
IC801 B-3	D801 A-6
IC802 C-2	D802 B-5
IC803 A-1	D803 C-2
IC804 D-2	D804 C-3
IC805 D-4	D805 B-1
TRANSISTOR	
Q801 B-5	D806 C-2
Q802 B-3	D807 D-4
Q803 D-5	D808 D-2
Q804 D-5	D809 D-1
Q805 D-5	D810 D-3
Q806 D-5	D811 B-1
Q807 C-1	D812 C-2
Q808 C-1	D813 C-2
Q811 C-7	D814 A-2
Q820 B-3	D815 D-3
Q851 C-5	D820 A-3
Q852 C-4	D850 C-4
Q853 C-4	D851 E-5
	D852 C-4
	D853 E-5
	D891 B-1
	D892 C-2

M BOARD (Component Side)

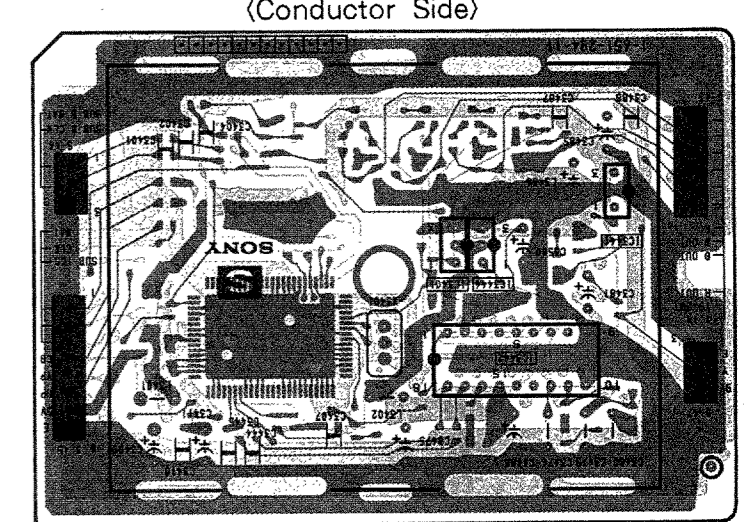


S BOARD (Component Side)

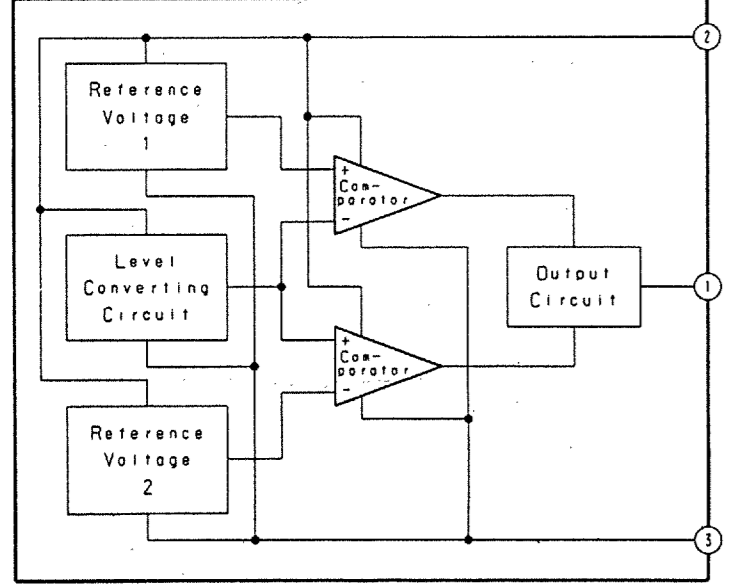


M BOARD

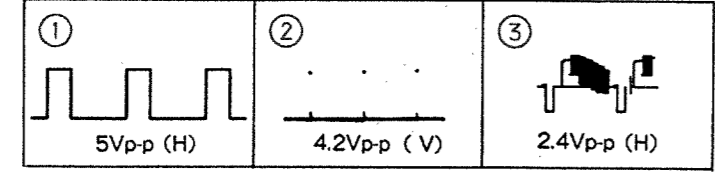
IC	TRANSISTOR
IC001 B-3	Q001 G-5
IC002 D-2, E-2	Q002 F-5
DIODE	
	Q003 F-4
	Q004 E-4
	Q005 E-3
	Q006 E-3
	Q007 F-3
	Q008 F-4
	Q009 G-1
	Q010 H-1
	Q011 F-1
	Q012 C-5
	Q013 A-5
	Q014 C-4



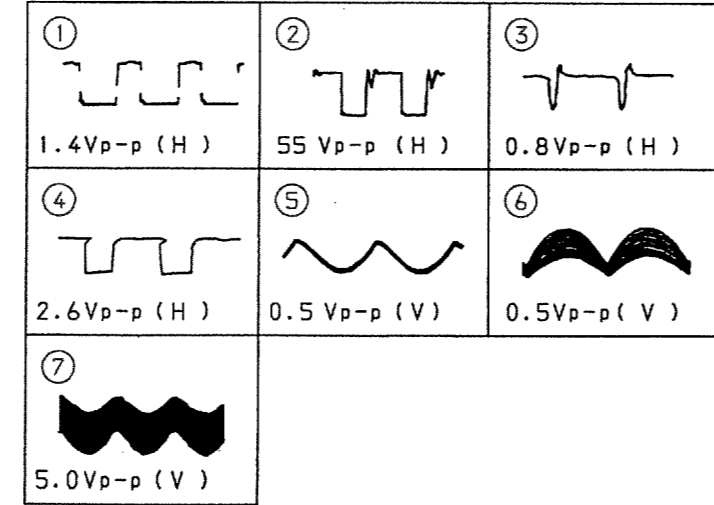
S BOARD IC3401 MN1280-S



M BOARD WAVEFORMS



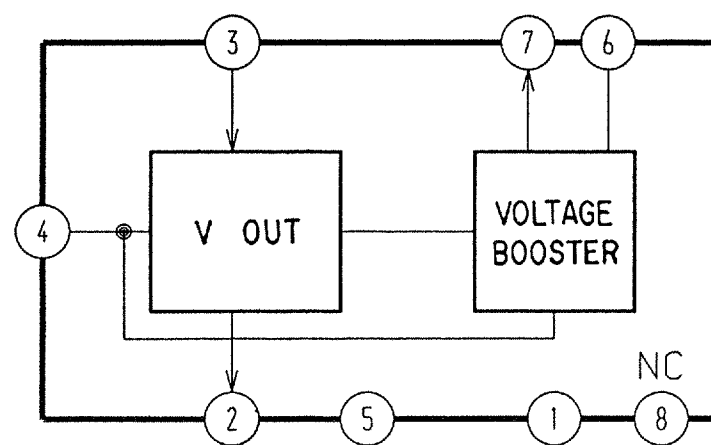
N BOARD WAVEFORMS



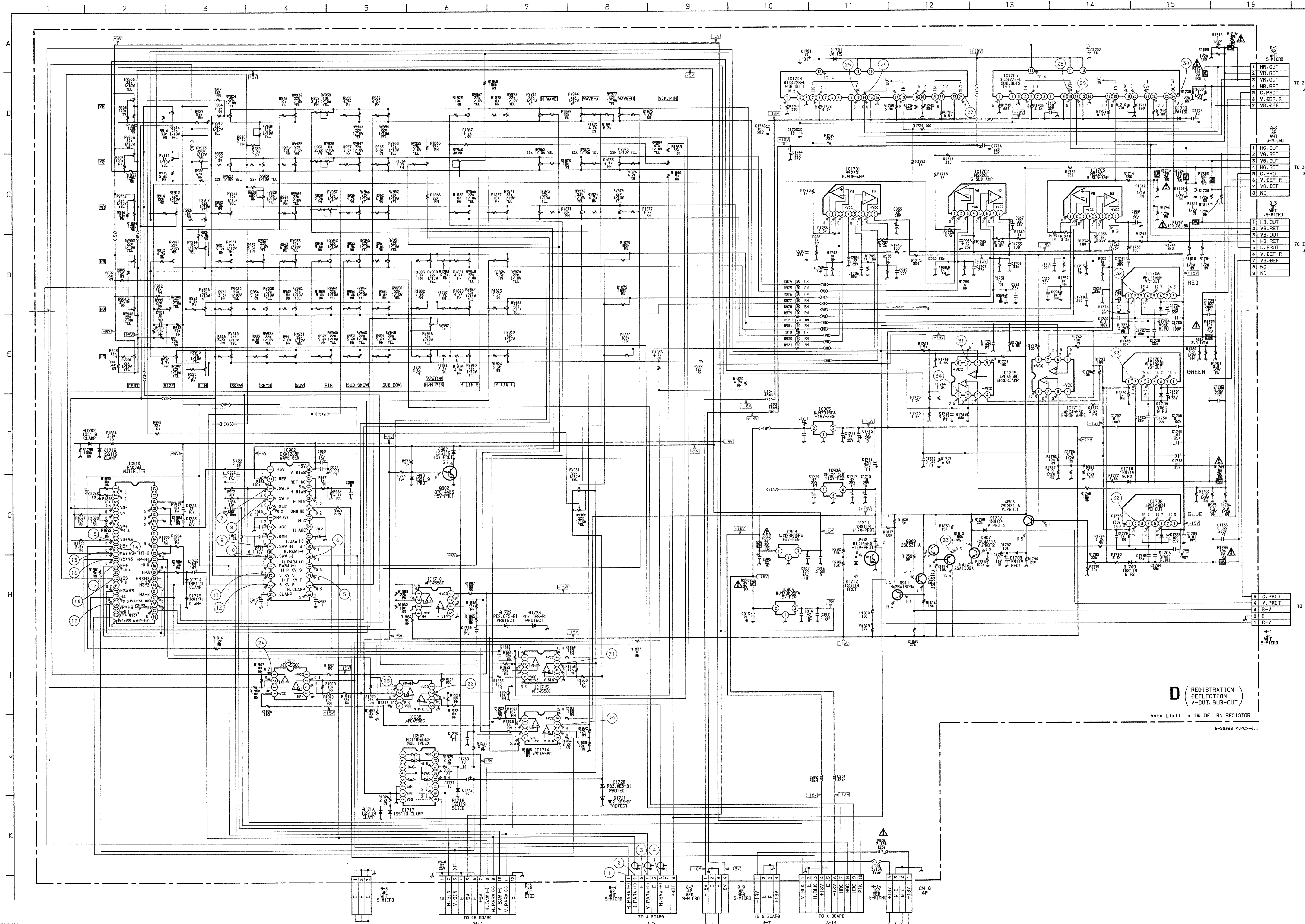
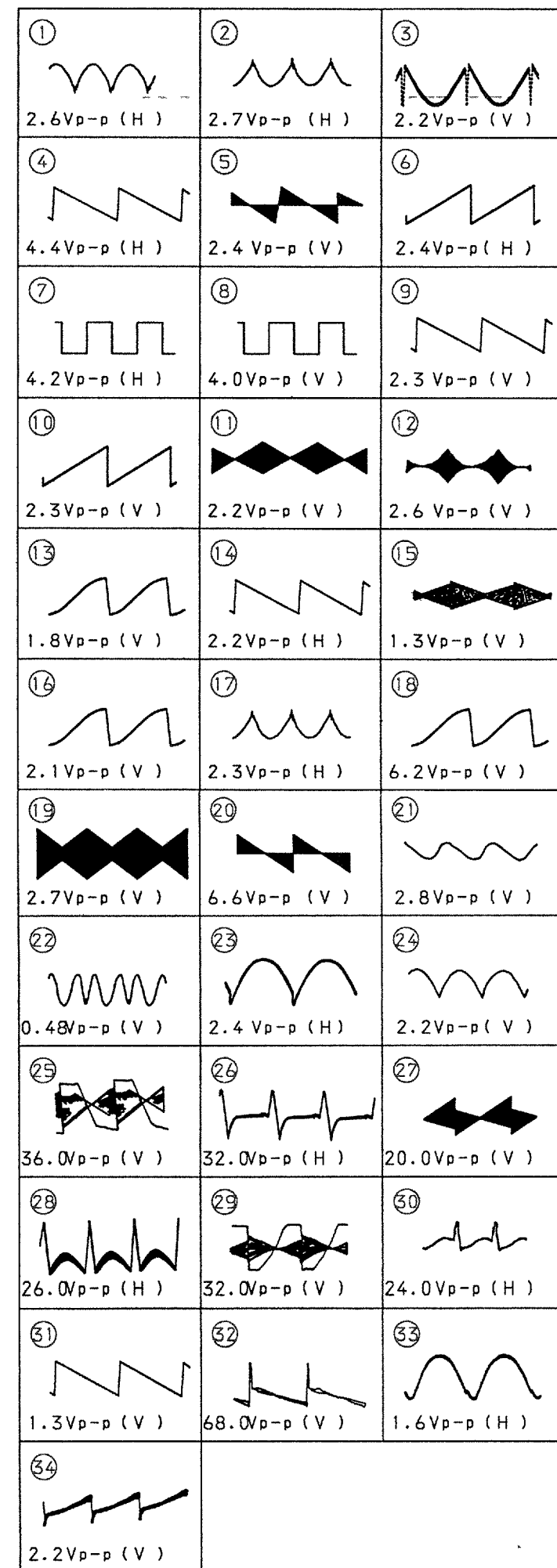
Note:
 • [Pattern] : Pattern from the side which enables seeing.
 • [Pattern] : Pattern of the rear side.

Note:
 • [Pattern] : Pattern from the side which enables seeing.
 • [Pattern] : Pattern of the rear side.

D BOARD IC1706, 1707, 1708 μ PC1498H



D BOARD WAVEFORMS



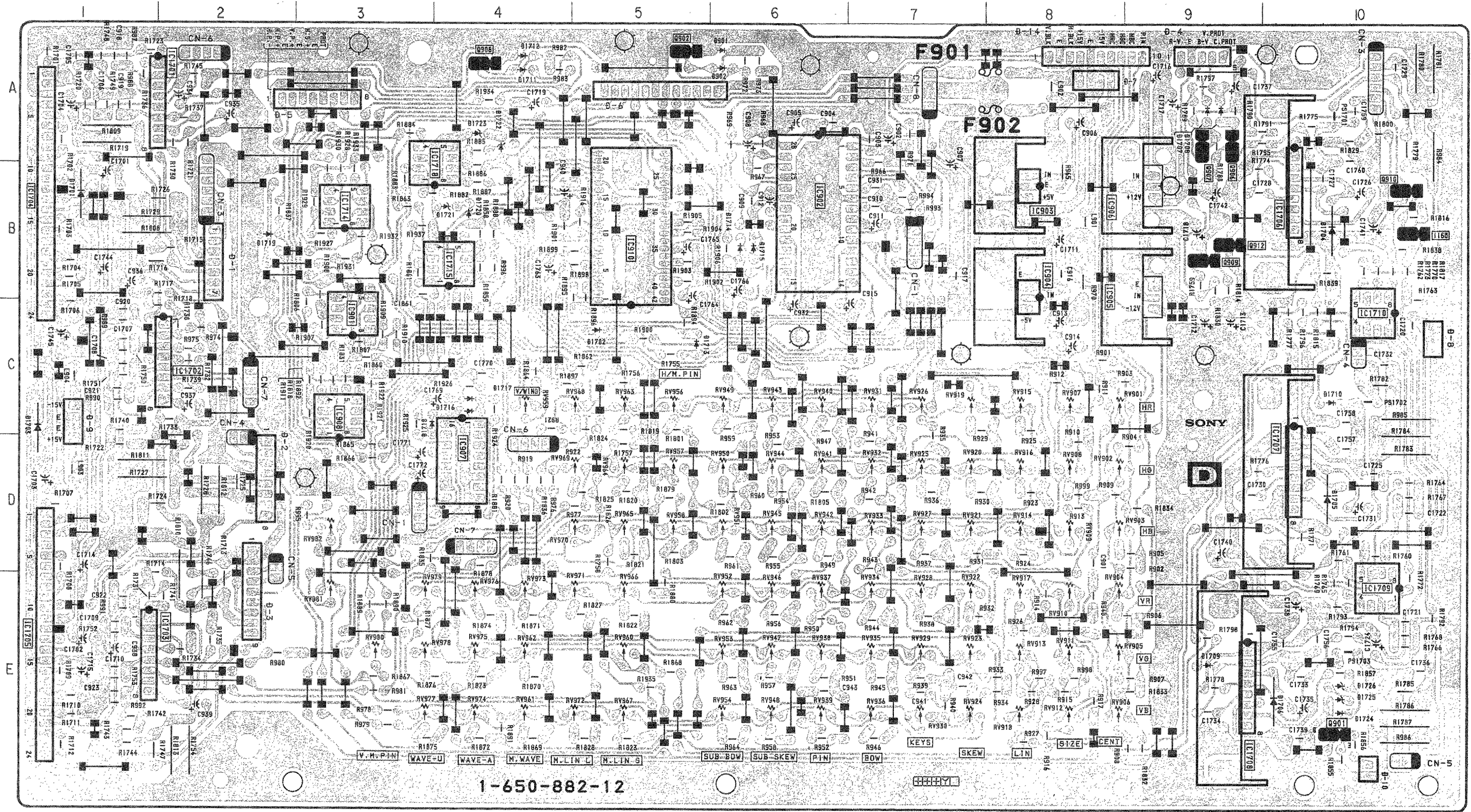
D (REGISTRATION REFLECTION V-OUT, SUB-OUT)

NOTE: LIMIT IS 1X OF RN RESISTOR

B-55366-CL/C-B...

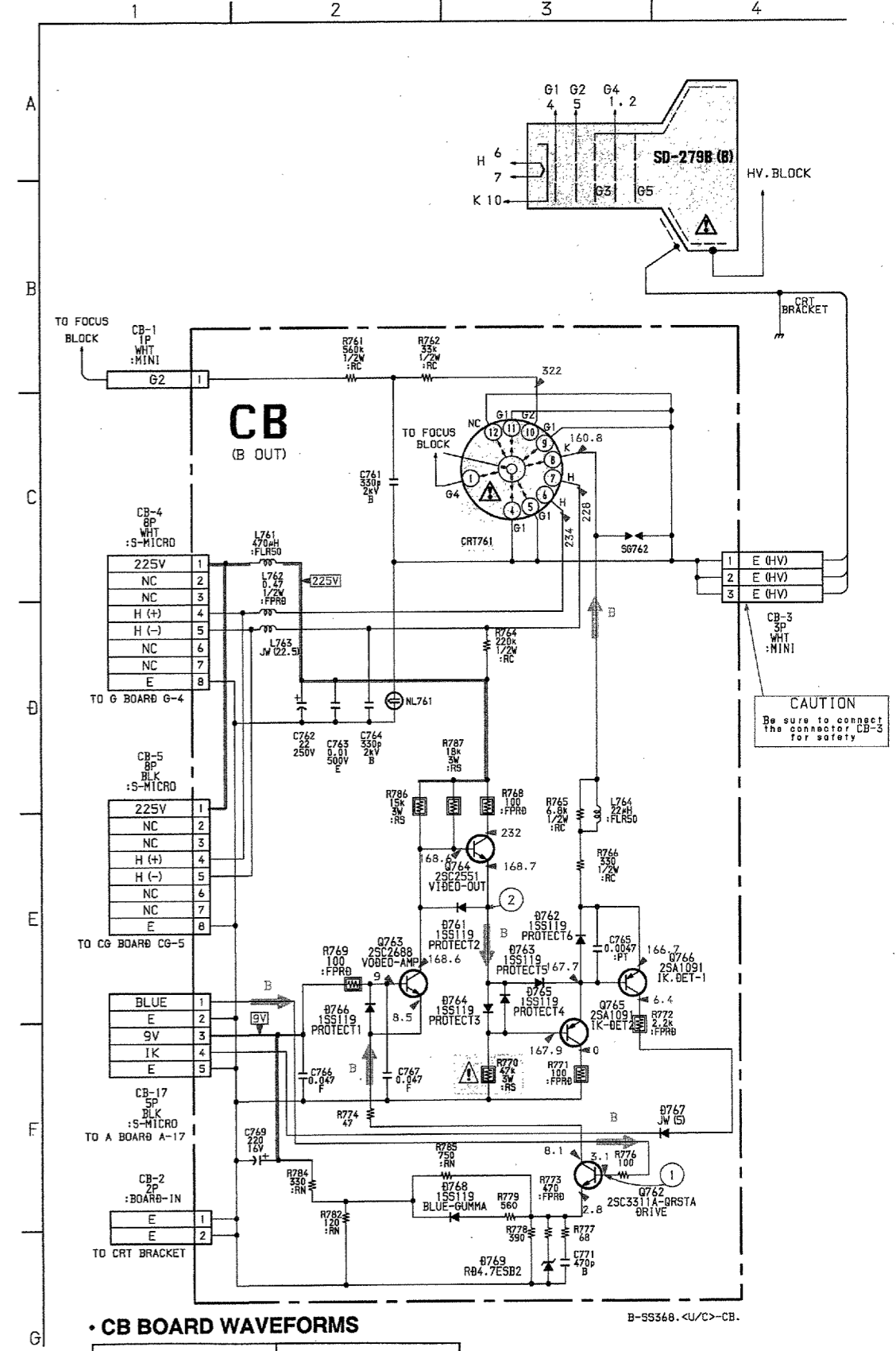
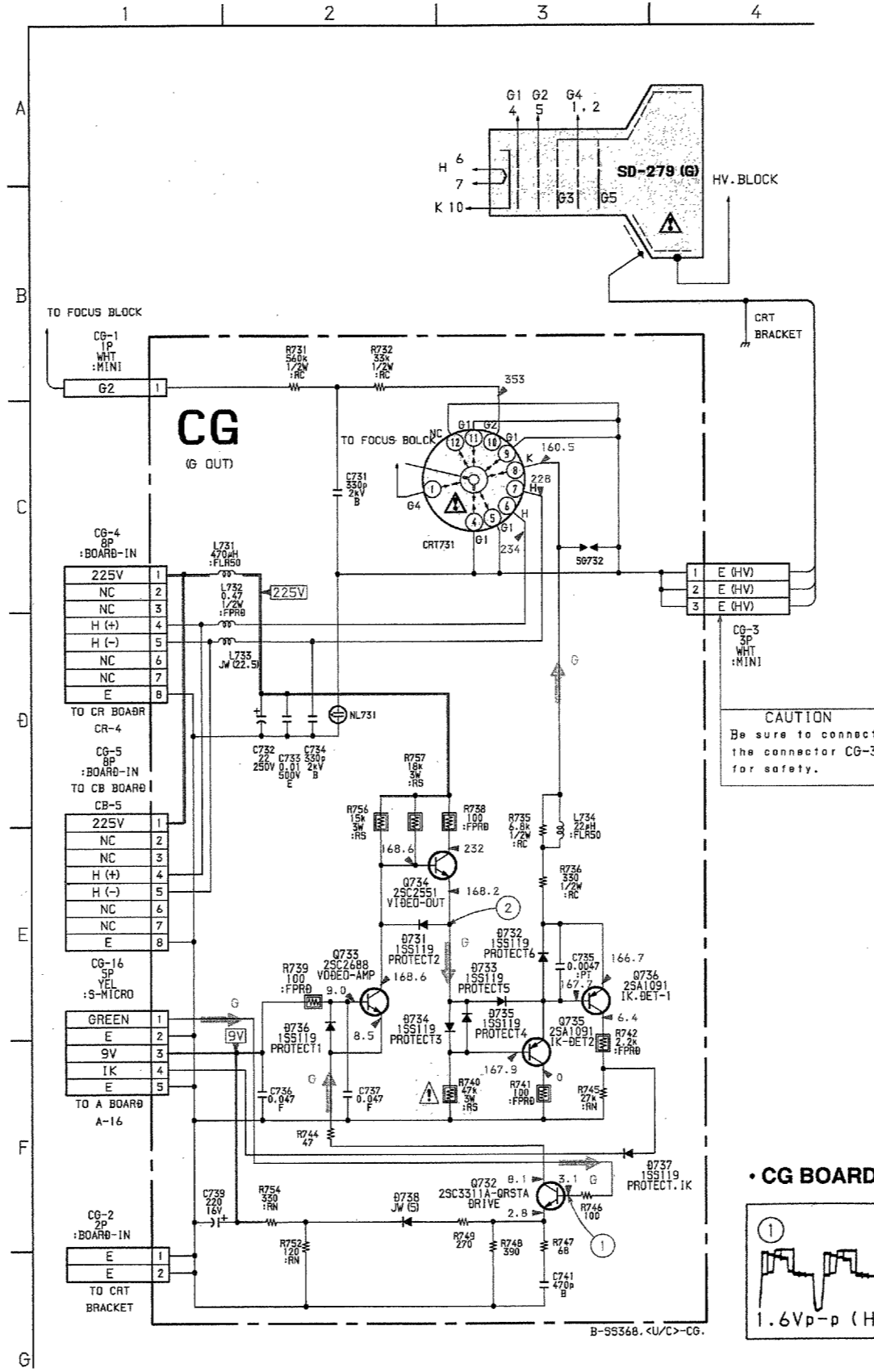
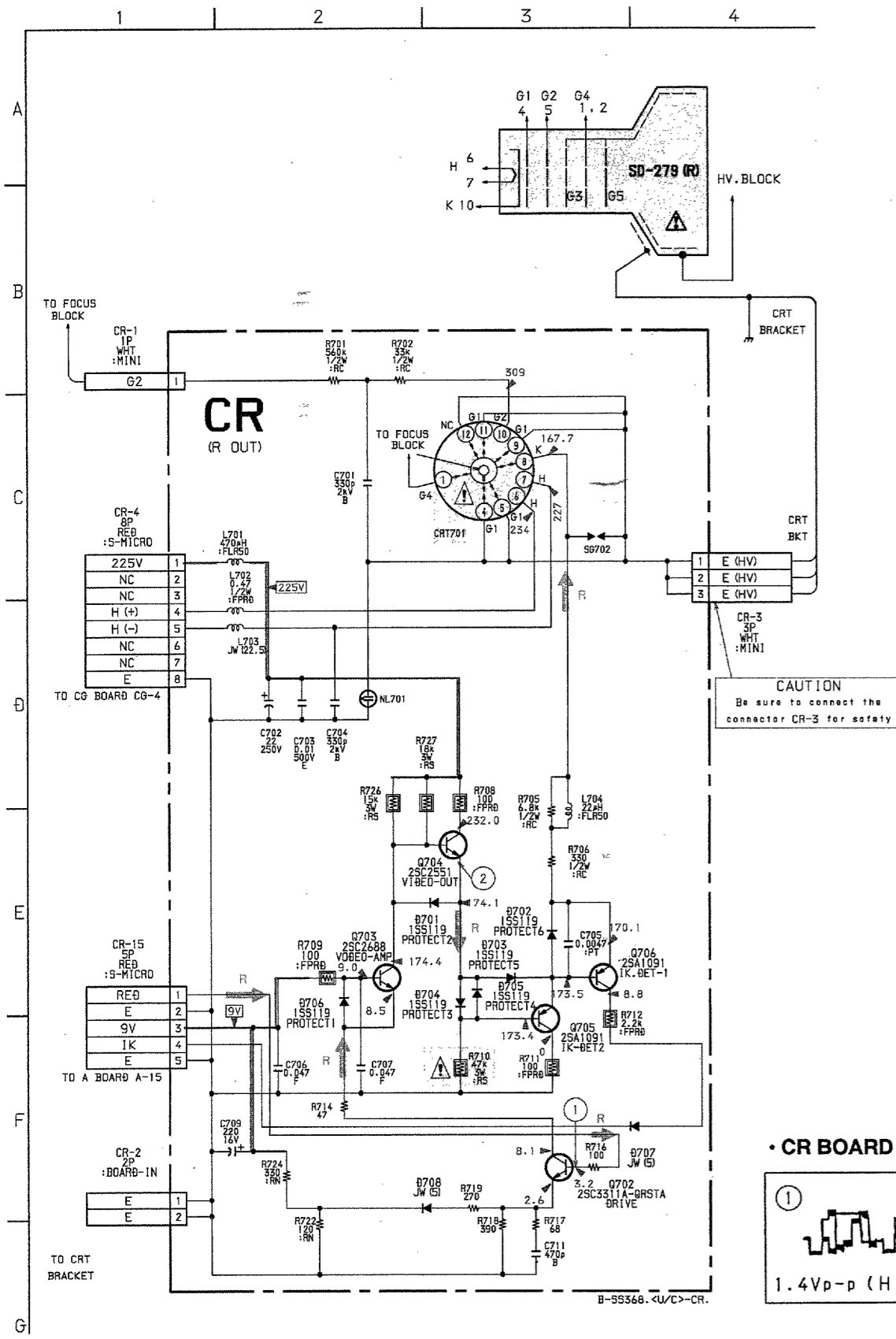
D REGISTRATION, DEFLECTION, V- OUT, SUB-OUT

- D BOARD -



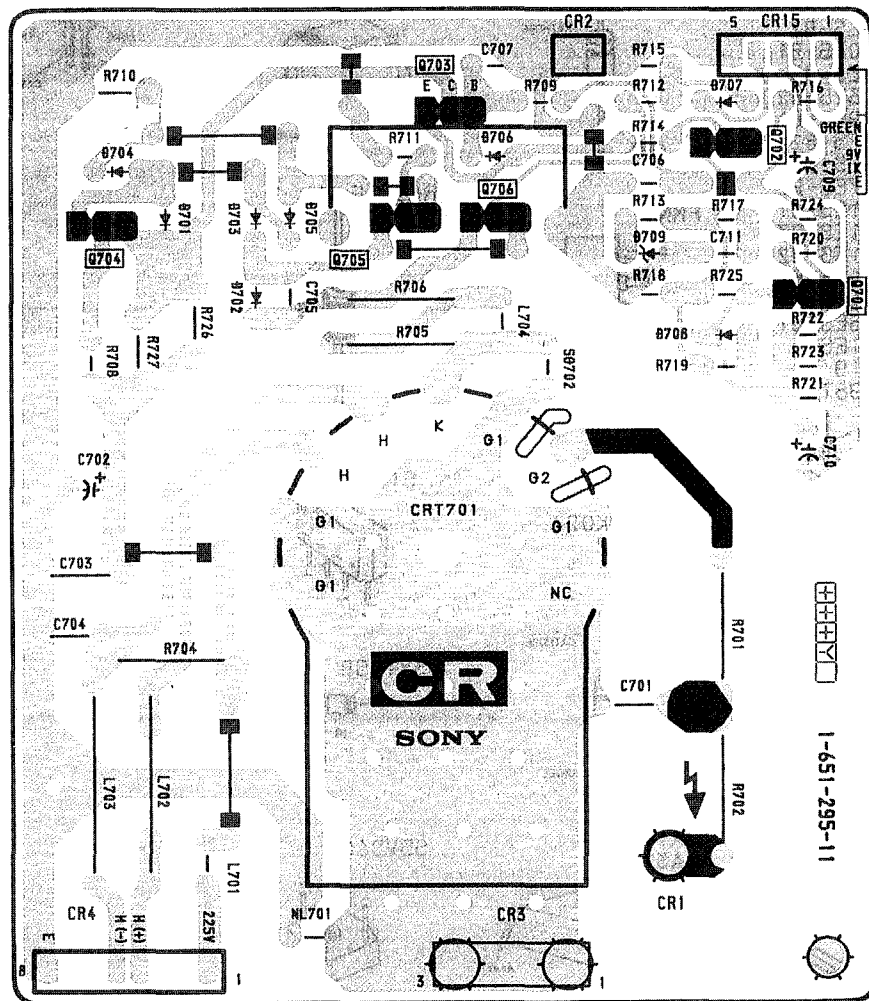
D BOARD

IC	VARIABLE RESISTOR	RV956	C-5
IC901	C-3	RV957	D-5
IC902	B-6	RV958	D-5
IC903	B-8	RV959	C-4
IC904	B-8	RV960	E-5
IC905	B-9	RV961	E-4
IC906	B-9	RV962	E-4
IC907	D-4	RV963	C-5
IC908	C-3	RV964	D-5
IC909	B-5	RV965	D-5
IC1701	A-2	RV966	E-5
IC1702	C-2	RV967	E-5
IC1703	E-1	RV968	C-5
IC1704	B-1	RV969	D-5
IC1705	E-1	RV970	D-5
IC1706	B-10	RV971	E-5
IC1707	D-10	RV972	E-5
IC1708	E-9	RV973	E-4
IC1709	E-10	RV974	E-4
IC1710	C-10	RV975	E-4
IC1711	B-3	RV976	E-4
IC1712	B-4	RV977	E-3
IC1713	B-4	RV978	E-3
IC1714	B-4	RV979	E-3
IC1715	B-4	RV980	E-3
IC1716	B-4	RV981	E-3
IC1717	B-4	RV982	D-3
IC1718	B-4		
TRANSISTOR			
Q209	A-5	RV922	E-7
Q906	A-9	RV923	E-7
Q907	A-9	RV924	E-7
Q908	A-4	RV925	D-7
Q909	B-9	RV926	C-7
Q910	B-10	RV927	D-7
Q911	B-10	RV928	E-7
Q912	B-9	RV929	E-7
		RV930	E-7
		RV931	C-7
DIODE			
D1701	B-1	RV932	D-7
D1702	C-5	RV933	D-7
D1703	C-1	RV934	E-7
D1704	B-10	RV935	E-7
D1705	D-10	RV936	E-7
D1706	E-10	RV937	E-6
D1707	A-9	RV938	E-6
D1708	A-9	RV939	E-6
D1709	E-9	RV940	C-6
D1710	C-10	RV941	D-6
D1711	A-4	RV942	D-6
D1712	A-4	RV943	C-6
D1713	C-5	RV944	D-6
D1714	B-6	RV945	D-6
D1715	B-6	RV946	E-6
D1716	C-4	RV947	E-6
D1717	C-4	RV948	E-6
D1718	C-3	RV949	C-9
D1719	B-4	RV950	D-6
D1720	B-4	RV951	D-6
D1721	B-4	RV952	E-6
D1722	A-4	RV953	E-6
D1723	A-4	RV954	E-6

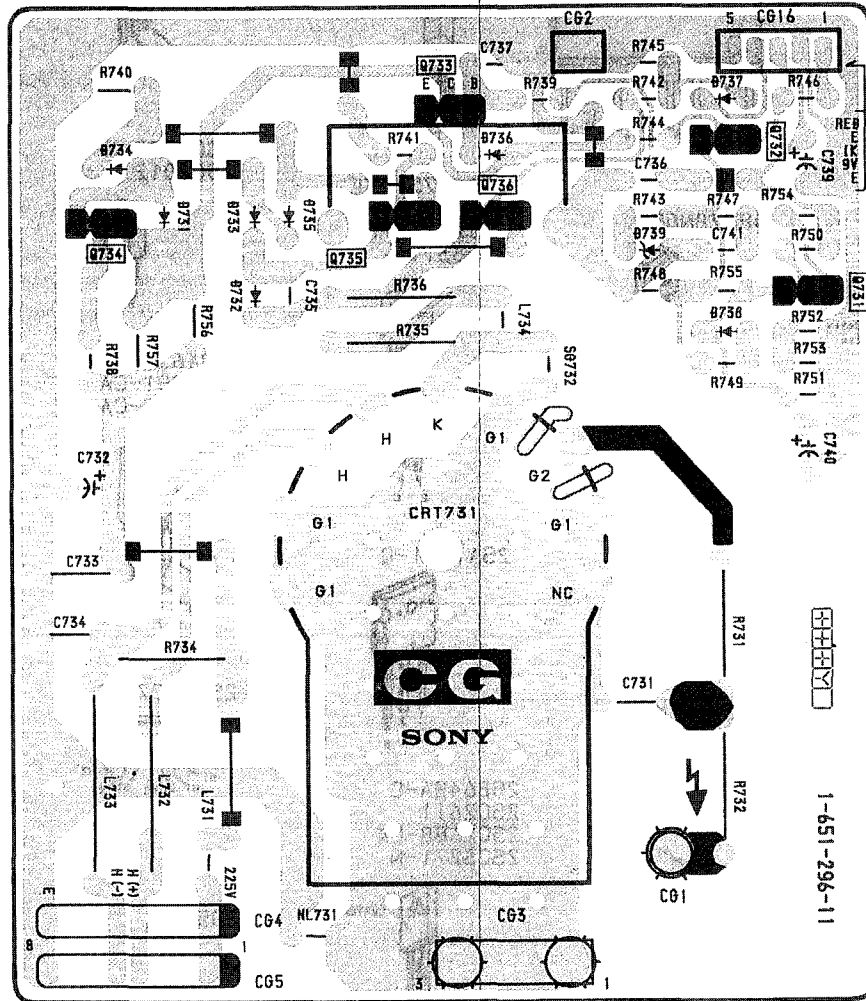


CR [R OUT] **CG** [G OUT] **CB** [B OUT]

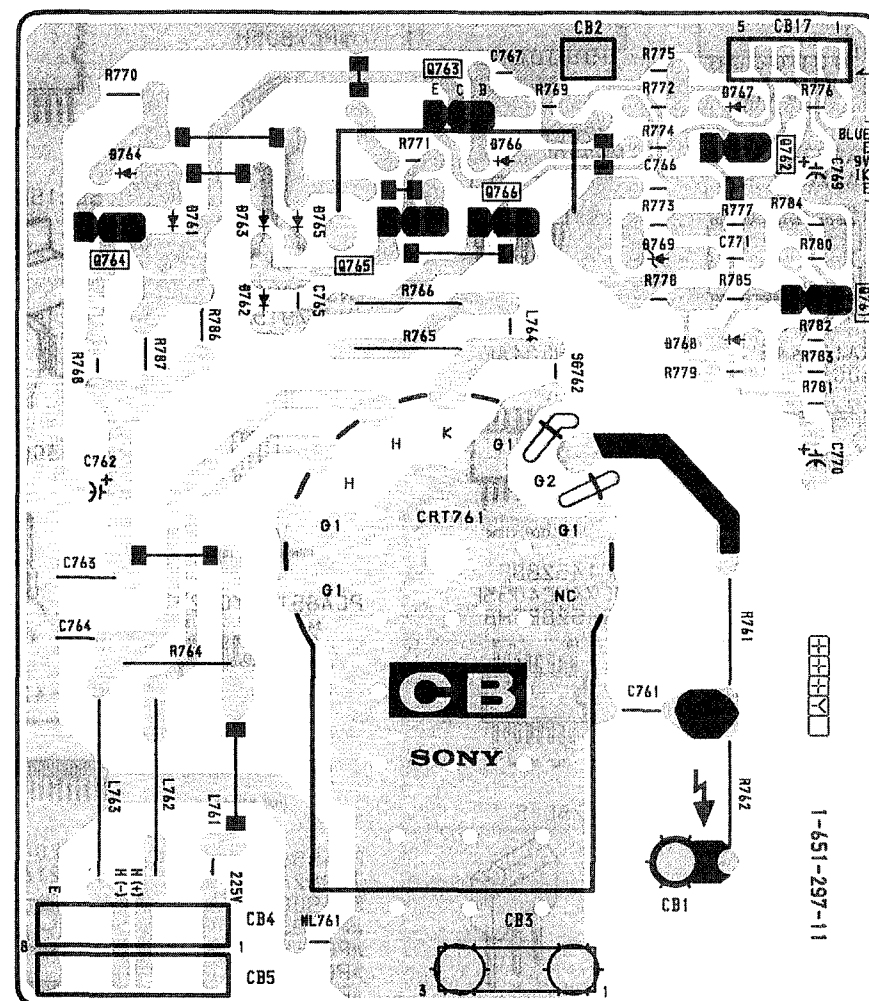
- CR BOARD -



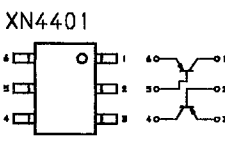
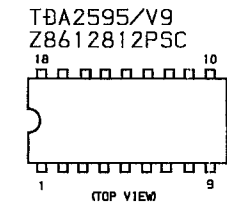
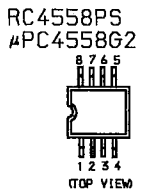
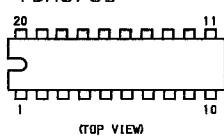
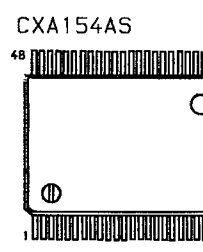
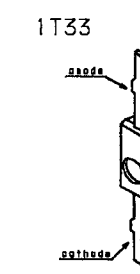
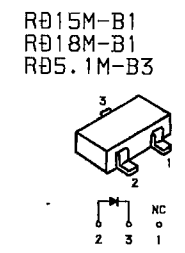
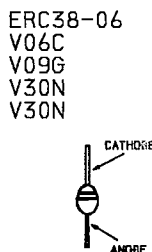
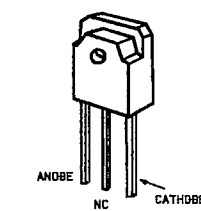
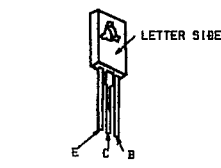
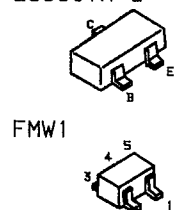
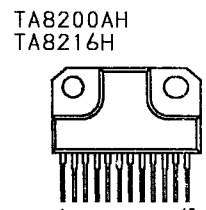
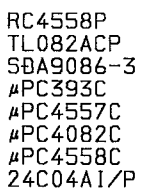
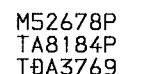
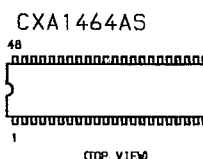
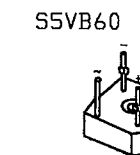
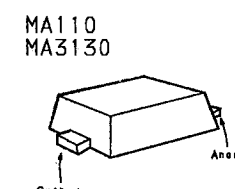
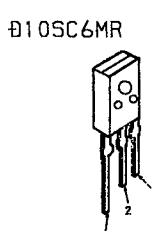
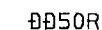
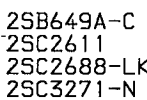
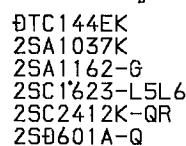
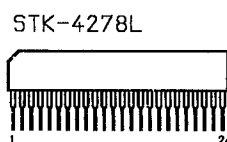
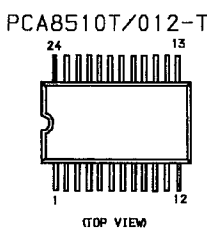
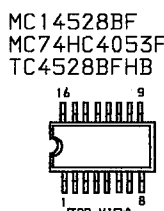
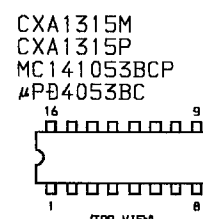
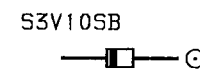
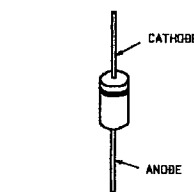
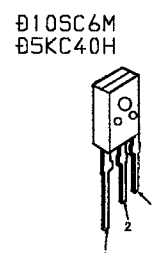
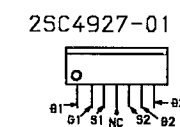
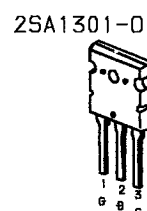
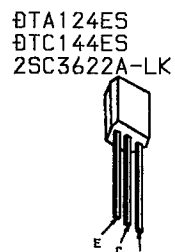
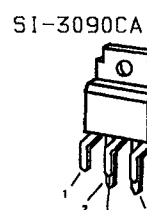
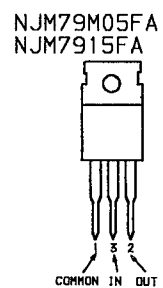
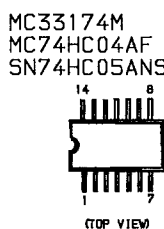
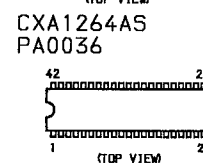
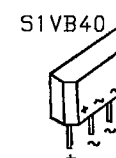
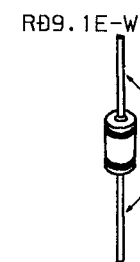
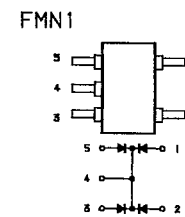
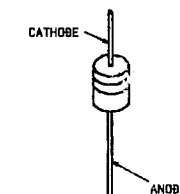
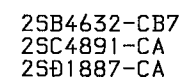
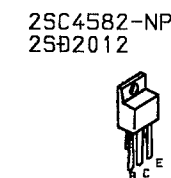
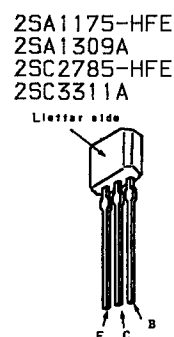
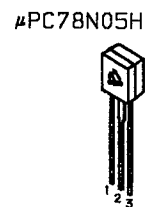
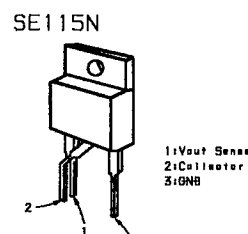
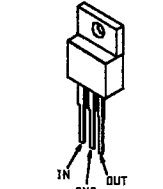
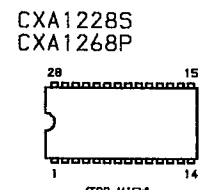
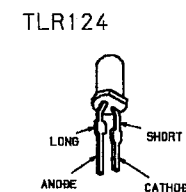
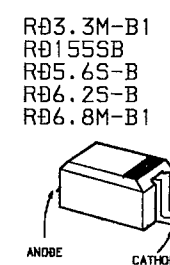
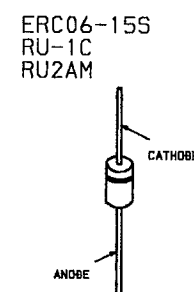
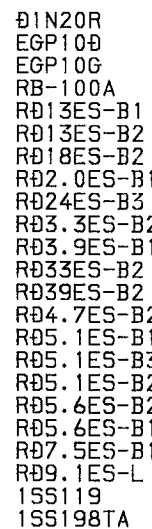
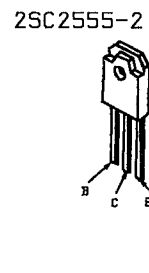
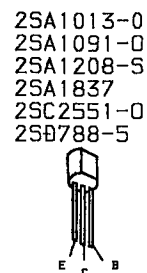
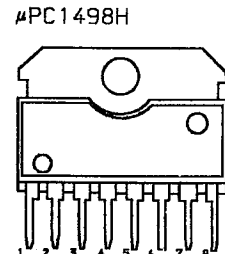
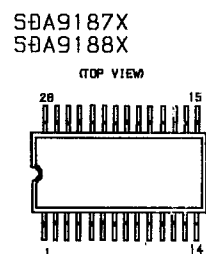
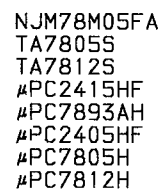
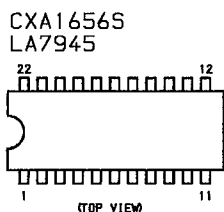
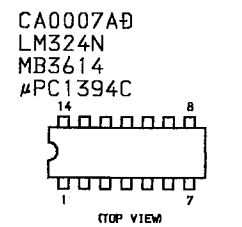
- CG BOARD -



- CB BOARD -



6-5. SEMICONDUCTORS



SECTION 7 EXPLODED VIEWS

NOTE:

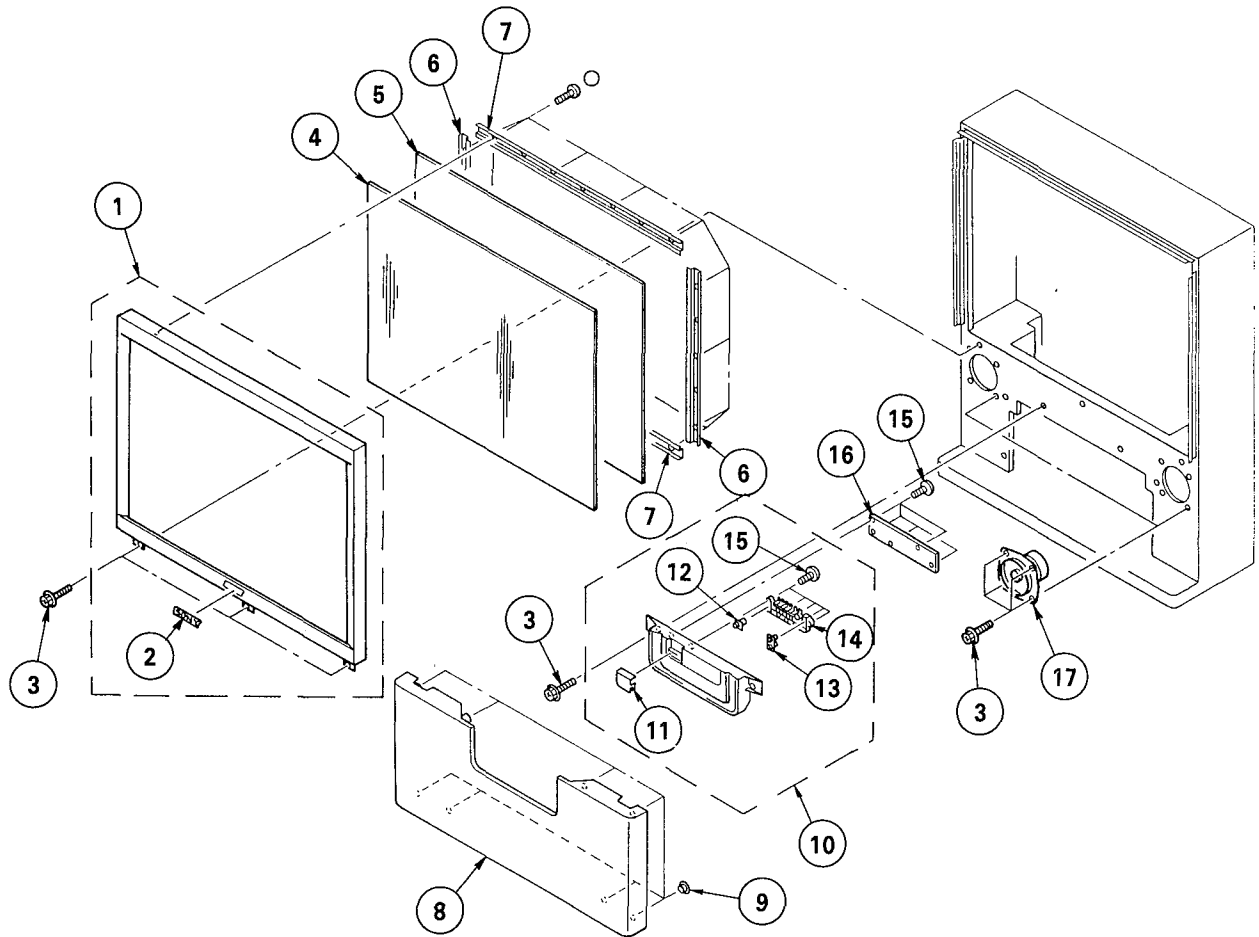
- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked " * " are not stocked since they are seldom required for routine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

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

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

7-1-1. SCREEN FRAME AND CONTROL PANEL (KP-46S55 only)

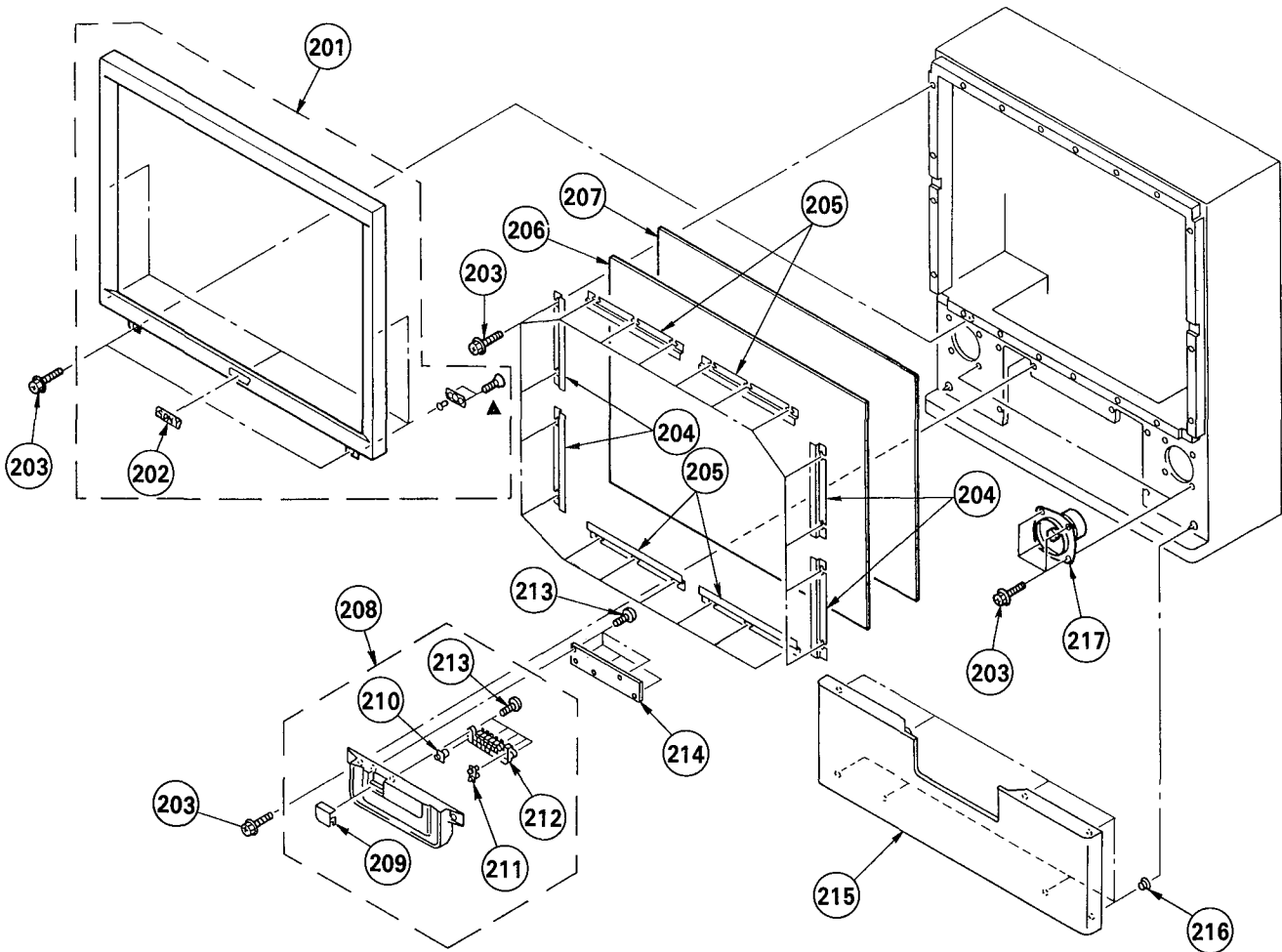
○ : BVTP4 × 12 7-685-661-79



REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
1	X-4031-693-1	FRAME ASSY, SCREEN		10	X-4031-690-1	PANEL ASSY, CONTROL	11-15
2	4-381-079-01	EMBLEM (NO.10), SONY	2	11	4-043-782-01	LID, CONTROL	
3	4-041-164-11	SCREW (4X20), TAPPING		12	4-043-777-01	FILTER, REMOTE	
4	4-037-360-11	PLATE (L), DIFFUSION		13	4-043-779-01	GUIDE, LED	
5	4-037-359-11	PLATE (R), DIFFUSION		14	4-043-786-01	BUTTON, CONTROL	
6	*4-036-092-21	HOLDER (S), SCREEN		15	4-041-165-01	SCREW (3X12), TAPPING, +BV	
7	*4-036-091-21	HOLDER (L), SCREEN		16	*1-651-293-11	H BOARD	
8	X-4031-692-1	GRILLE ASSY (46), SPEAKER		17	1-504-533-11	SPEAKER (16CM)	
9	4-838-438-00	LATCH					

7-1-2. SCREEN FRAME AND CONTROL PANEL (KP-53S55 only)

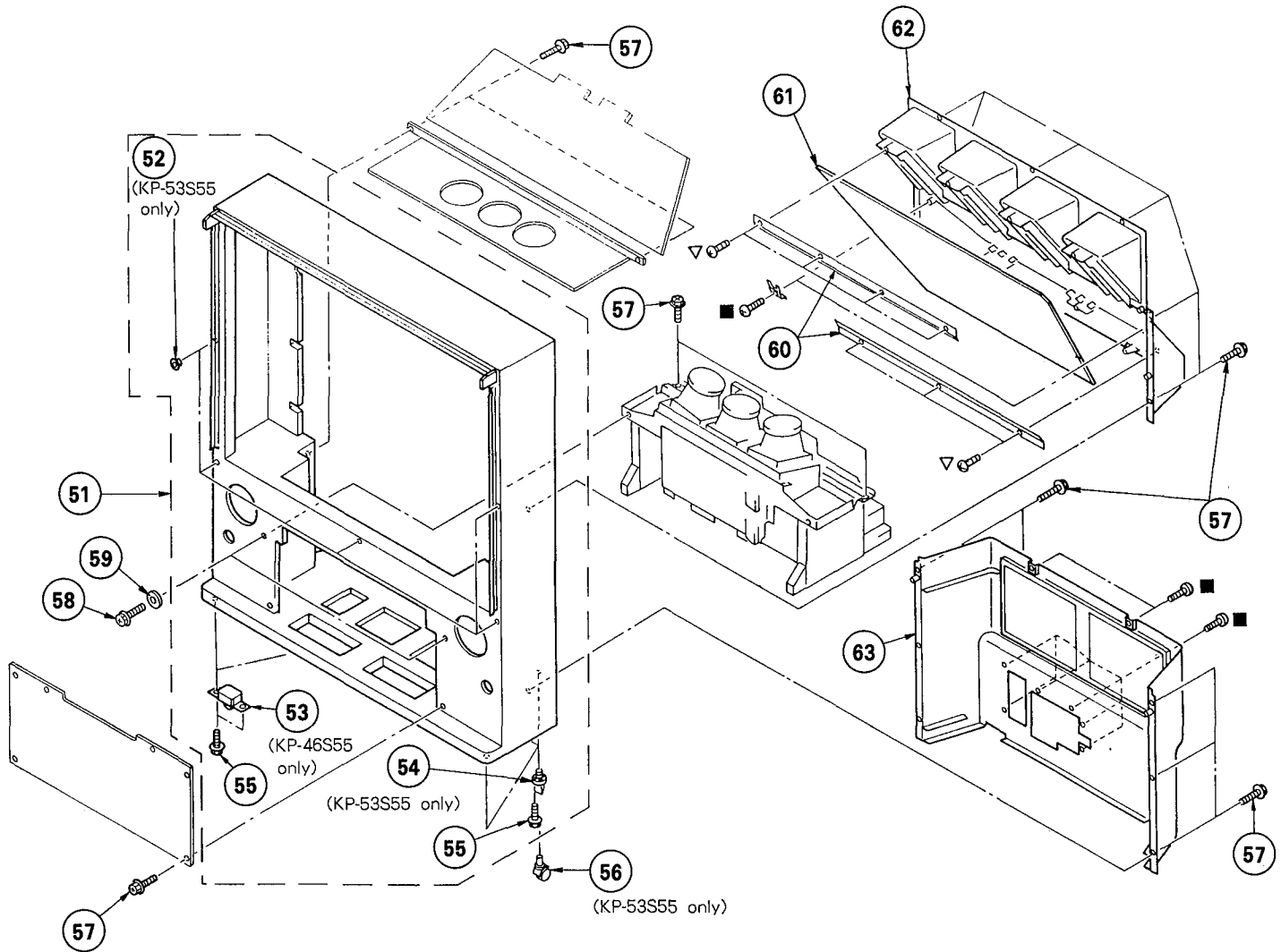
▲: KTP3 x 10 7-685-247-14



REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
201	X-4031-764-1	FRAME ASSY, SCREEN		202	210	4-043-777-01	FILTER, REMOTE
202	4-381-079-01	EMBLEM (NO.10), SONY		211	4-043-779-01	GUIDE, LED	
203	4-041-164-11	SCREW (4X20), TAPPING		212	4-043-786-01	BUTTON, CONTROL	
204	*4-036-499-11	HOLDER (S), SCREEN		213	4-041-165-01	SCREW (3X12), TAPPING, +BV	
205	*4-036-498-11	HOLDER (L), SCREEN		214	*1-651-293-11	H BOARD	
206	4-036-466-01	PLATE (L), DIFFUSION		215	X-4031-763-1	GRILLE ASSY, SPEAKER	
207	4-036-469-01	PLATE (R), DIFFUSION		216	4-838-438-00	LATCH	
208	X-4031-690-1	PANEL ASSY, CONTROL		217	1-504-533-11	SPEAKER (16CM)	
209	4-043-782-01	LID, CONTROL	209-213				

7-2. CABINET

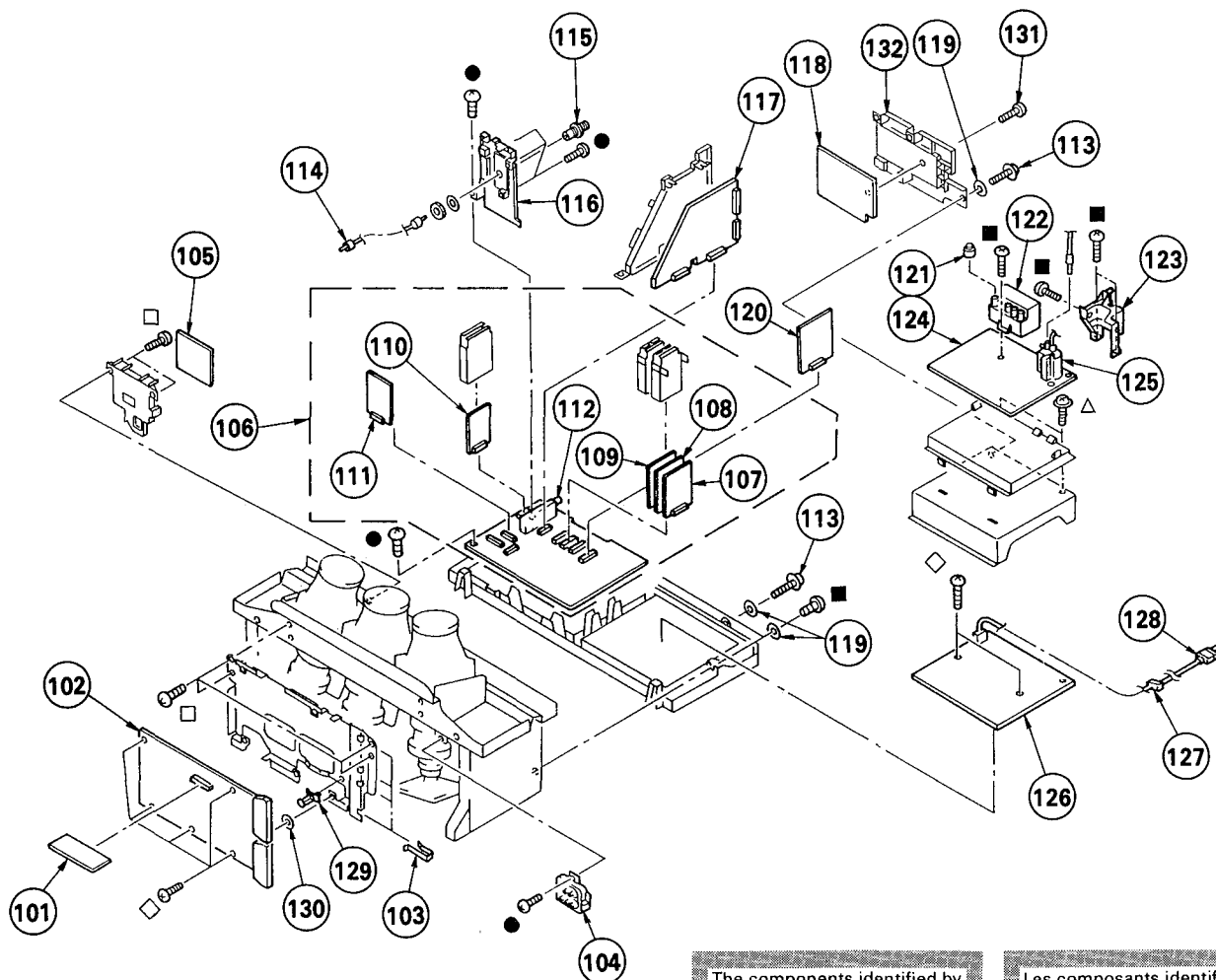
■ : TAPPING SCREW (DIA. 4 × 16) 3-703-251-11
 ▽ : TAPPING SCREW (DIA. 4 × 12) 3-703-251-21



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
51	X-4031-691-1	CABINET ASSY (KP-46S55)	53, 55	58	4-378-522-11	SCREW, TAPPING, HEXAGON HEAD	
	X-4031-762-1	CABINET ASSY (KP-53S55)	52, 54, 55	59	4-042-666-01	WASHER	
52	4-838-438-00	LATCH (KP-53S55)		60	*4-037-351-01	HOLDER, MIRROR	
53	4-040-755-01	CASTER (DIA. 30) (KP-46S55)		61	4-037-349-01	MIRROR (53), REFLECTION (KP-53S55)	
54	4-030-850-01	SOCKET, CASTER (KP-53S55)			4-037-534-01	MIRROR (46), REFLECTION (KP-46S55)	
55	4-041-164-01	SCREW (4X20), TAPPING		62	4-036-462-01	COVER (46"), MIRROR (KP-46S55)	
56	4-032-343-11	CASTER (KP-53S55)			4-036-474-01	COVER (53"), MIRROR (KP-53S55)	
57	4-041-164-11	SCREW (4X20), TAPPING		63	X-4030-549-1	COVER ASSY, BACK	

7-3. CHASSIS

- : BVTP3 × 12 7-685-648-79
- : BVTP4 × 12 7-685-661-14
- △ : PSW4 × 14 7-682-963-09
- : TAPPING SCREW (DIA. 4 × 16) 3-703-251-11
- ◇ : WASHER HAED SCREW (+ P3 × 12) 4-302-428-03



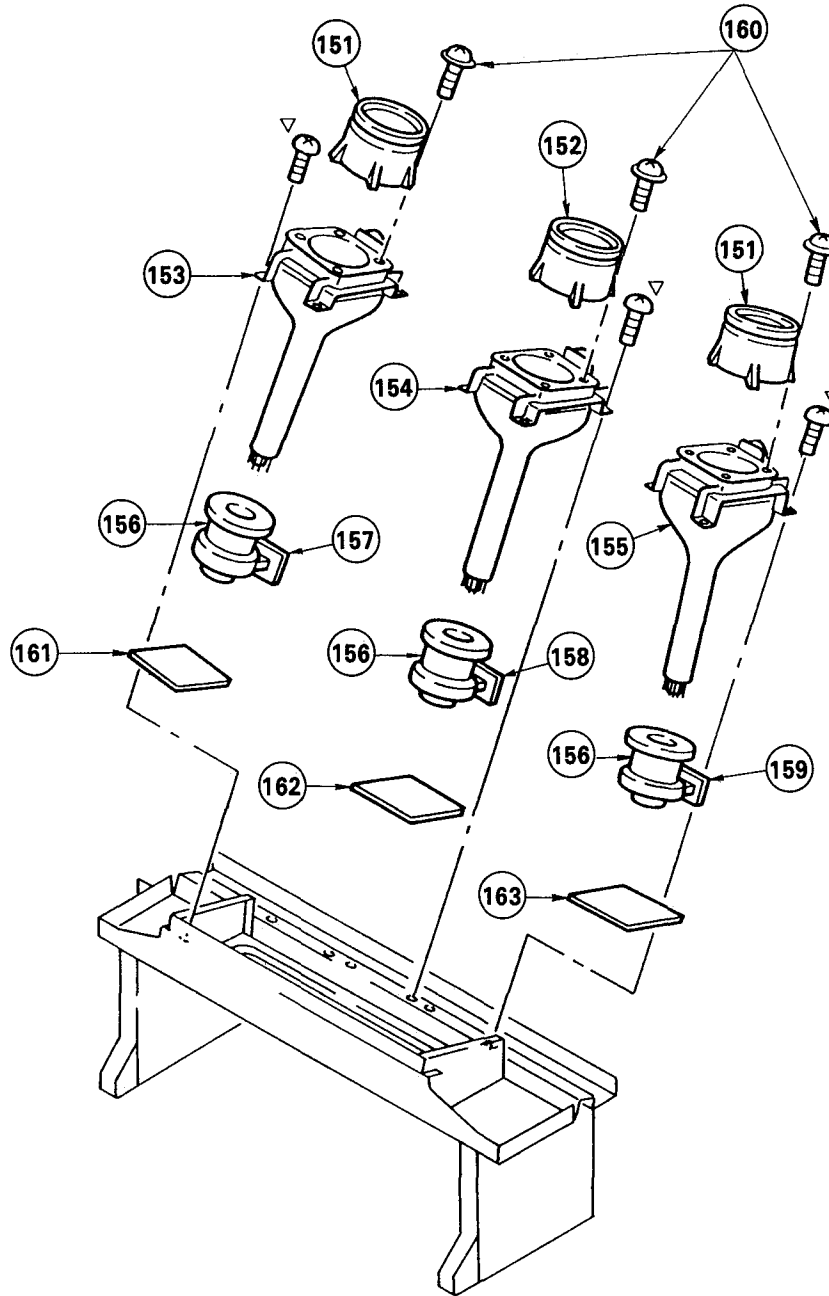
The components identified by shading and mark **△** are critical for safety. Replace only with part number specified.

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	REF. NO.	PART NO.	DESCRIPTION	REMARK
101	*1-650-883-11	DS BOARD		117	*A-1394-534-A	U BOARD, COMPLETE	
102	*A-1341-751-A	D BOARD, COMPLETE		118	*A-1373-461-A	UT BOARD, COMPLETE	
103	*4-393-401-11	SPRING, TRANSISTOR		119	4-039-112-01	WASHER, WAVE (KP-46S55)	
104	△ 1-241-744-11	RESISTOR ASSY (HIGH-VOLTAGE)			4-042-667-01	WASHER, WAVE (KP-53S55)	
105	*A-1394-535-A	S BOARD, COMPLETE		120	*A-1373-463-A	V BOARD, COMPLETE	
106	*A-1297-238-A	A BOARD, COMPLETE (KP-53S55)	107-111	121	4-373-137-01	CAP (Z), RUBBER	
	*A-1297-239-A	A BOARD, COMPLETE (KP-46S55)	107-111	122	△ 1-453-108-11	DC BLOCK, HIGH-VOLTAGE	
107	*A-1346-138-A	E1 BOARD, COMPLETE		123	4-034-482-01	COVER, FBT	
108	*A-1346-137-A	E2 BOARD, COMPLETE		124	*A-1390-415-A	N BOARD, COMPLETE	
109	*A-1306-457-A	M BOARD, COMPLETE		125	△ 8-598-939-00	TRANSFORMER ASSY, FLYBACK (NX-2631//A4S)	
110	*A-1195-084-A	P1 BOARD, COMPLETE		126	*A-1316-180-A	G BOARD, COMPLETE	
111	*A-1394-532-A	Y2 BOARD, COMPLETE		127	△ 4-388-328-12	GROMMET, AC CORD	
112	△ 1-693-102-22	TUNER (BTF-XA401)		128	△ 1-696-002-12	CORD, POWER (WITH NOISE FILTER) 7.0A/125V	
113	3-701-810-91	SCREW, TERMINAL		129	*3-670-570-21	SPACER, SUPPORT	
114	*1-555-400-00	CABLE, PIN		130	4-866-147-00	WASHER	
115	1-561-306-00	JACK, PIN (F)		131	4-041-165-01	SCREW (3X12), TAPPING, +BV	
116	4-036-137-01	PANEL, SUB CONNECTOR		132	4-036-138-01	PANEL, MAIN CONNECTOR	

7-4. PICTURE TUBE

▽ : TAPPING SCREW (DIA 4 × 12) 3-703-251-21



REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
151	4-034-057-01	LENS (LINNIT)		157	*A-1390-412-A	ZR BOARD, COMPLETE	
152	4-034-057-11	LENS (LINNIT)		158	*A-1390-413-A	ZG BOARD, COMPLETE	
153	△ 8-736-074-05	PICTURE TUBU 07MAB2(R)		159	*A-1390-414-A	ZB BOARD, COMPLETE	
154	△ 8-736-072-05	PICTURE TUBU 07MAB2(G)		160	3-701-810-91	SCREW, TERMINAL	
155	△ 8-736-073-05	PICTURE TUBU 07MAB2(B)		161	*A-1331-337-A	CR BOARD, COMPLETE	
156	△ 8-451-441-11	DEFLECTION YOKE Y829PA		162	*A-1331-338-A	CG BOARD, COMPLETE	
				163	*A-1331-339-A	CB BOARD, COMPLETE	

SECTION 8
ELECTRICAL PARTS LIST

A

NOTE:

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.

• 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

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

CAPACITORS

• MF : μ F, PF : μ μ F

COILS

• MMH : mH, UH : μ H

• 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

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
*A-1297-238-A		A BOARD, COMPLETE (KP-53S55)		C544	1-136-153-00	FILM	0.01MF 5% 50V
*A-1297-239-A		A BOARD, COMPLETE (KP-46S55)		C545	1-136-153-00	FILM	0.01MF 5% 50V
4-365-216-00		SPACER, MICA		C569	1-126-355-11	ELECT	33MF 20% 160V
4-382-854-11		SCREW (M3X10), P, SW (+)		C1401	1-124-910-11	ELECT	47MF 20% 50V
		<CAPACITOR>		C1402	1-124-907-11	ELECT	10MF 20% 50V
C201	1-124-910-11	ELECT	47MF 20% 50V	C1403	1-124-907-11	ELECT	10MF 20% 50V
C202	1-124-903-11	ELECT	1MF 20% 50V	C1404	1-124-907-11	ELECT	10MF 20% 50V
C203	1-130-495-00	MYLAR	0.1MF 5% 50V	C1405	1-124-910-11	ELECT	47MF 20% 50V
C204	1-124-477-11	ELECT	47MF 20% 16V	C1406	1-126-101-11	ELECT	100MF 20% 16V
C205	1-124-557-11	ELECT	1000MF 20% 25V	C1407	1-126-057-11	ELECT	2200MF 20% 50V
C206	1-126-101-11	ELECT	100MF 20% 16V	C1408	1-136-165-00	FILM	0.1MF 5% 50V
C207	1-124-286-00	ELECT	33MF 20% 16V	C1409	1-136-165-00	FILM	0.1MF 5% 50V
C210	1-102-121-00	CERAMIC	0.0022MF 10% 50V	C1413	1-126-233-11	ELECT	22MF 20% 25V
C212	1-126-803-11	ELECT	47MF 20% 16V	C1424	1-126-057-11	ELECT	2200MF 20% 50V
C213	1-126-103-11	ELECT	470MF 20% 16V	C1425	1-126-057-11	ELECT	2200MF 20% 50V
C214	1-126-101-11	ELECT	100MF 20% 16V	C1426	1-124-907-11	ELECT	10MF 20% 50V
C215	1-126-803-11	ELECT	47MF 20% 50V	C1429	1-126-101-11	ELECT	100MF 20% 16V
C216	1-126-101-11	ELECT	100MF 20% 16V	C1430	1-126-101-11	ELECT	100MF 20% 16V
C217	1-126-803-11	ELECT	47MF 20% 25V	C1431	1-124-916-11	ELECT	22MF 20% 50V
C218	1-126-103-11	ELECT	470MF 20% 16V	C1435	1-126-233-11	ELECT	22MF 20% 25V
C219	1-124-443-00	ELECT	100MF 20% 10V	C1440	1-126-336-11	ELECT	220MF 20% 25V
C220	1-126-803-11	ELECT	47MF 20% 25V	C1601	1-130-483-00	MYLAR	0.01MF 5% 50V
C223	1-126-803-11	ELECT	47MF 20% 25V	C1609	1-136-153-00	FILM	0.01MF 5% 50V
C224	1-124-907-11	ELECT	10MF 20% 50V			<CONNECTOR>	
C225	1-124-120-11	ELECT	220MF 20% 16V	A1	*1-564-513-11	PLUG, CONNECTOR	10P
C227	1-124-621-11	ELECT	3300MF 20% 6.3V	A2	*1-564-512-11	PLUG, CONNECTOR	9P
C299	1-126-101-11	ELECT	100MF 20% 16V	A3	*1-564-507-11	PLUG, CONNECTOR	4P
C502	1-126-182-11	ELECT	0.47MF 20% 50V	A5	*1-564-511-11	PLUG, CONNECTOR	8P
C503	1-130-487-00	MYLAR	0.022MF 5% 50V	A9	*1-564-505-11	PLUG, CONNECTOR	2P
C507	1-106-383-00	MYLAR	0.047MF 200V	A10	*1-564-511-11	PLUG, CONNECTOR	8P
C508	1-102-973-00	CERAMIC	100PF 5% 50V	A11	*1-564-511-11	PLUG, CONNECTOR	8P
C509	1-102-030-00	CERAMIC	330PF 10% 500V	A12	1-573-297-21	CONNECTOR, BOARD TO BOARD	18P
C510	Δ 1-136-565-11	FILM	0.015MF 3% 1.4KV	A13	1-573-297-21	CONNECTOR, BOARD TO BOARD	18P
C512	Δ 1-136-598-11	FILM	3MF 5% 200V	A14	*1-564-513-11	PLUG, CONNECTOR	10P
C513	1-136-153-00	FILM	0.01MF 5% 50V	A15	*1-564-508-11	PLUG, CONNECTOR	5P
C514	1-124-477-11	ELECT	47MF 20% 16V	A16	*1-564-508-11	PLUG, CONNECTOR	5P
C522	1-123-024-21	ELECT	33MF 160V	A17	*1-564-508-11	PLUG, CONNECTOR	5P
C523	1-106-383-00	MYLAR	0.047MF 200V	A18	*1-691-291-11	PIN, CONNECTOR (PC BOARD)	5P
C528	1-124-662-11	ELECT	220MF 20% 50V	A19	*1-691-291-11	PIN, CONNECTOR (PC BOARD)	5P
C534	1-124-011-00	ELECT	220MF 20% 16V	A20	*1-691-291-11	PIN, CONNECTOR (PC BOARD)	5P
C535	1-124-011-00	ELECT	220MF 20% 16V	A21	1-508-786-00	PIN, CONNECTOR (5MM PITCH)	2P
C536	1-124-662-11	ELECT	220MF 20% 50V	A22	1-573-297-21	CONNECTOR, BOARD TO BOARD	18P
C537	1-124-662-11	ELECT	220MF 20% 50V	A27	1-573-979-21	CONNECTOR, BOARD TO BOARD	11P
C539	1-124-907-11	ELECT	10MF 20% 50V	A38	1-564-505-11	PLUG, CONNECTOR	2P
C542	1-136-153-00	FILM	0.01MF 5% 50V	A56	*1-564-508-11	PLUG, CONNECTOR	5P
C543	1-136-153-00	FILM	0.01MF 5% 50V				

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.

KP-46S55/53S55
RM-Y125

A

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
<DIODE>							
D203	8-719-911-19	DIODE 1SS119		L502	1-459-313-00	COIL WITH CORE (HWC)	
D204	8-719-911-19	DIODE 1SS119		L502	1-459-313-00	COIL WITH CORE (HWC)	
D205	8-719-110-36	DIODE RD13ESB2		L515	1-410-645-31	INDUCTOR 100UH	
D206	8-719-911-19	DIODE 1SS119		<TRANSISTOR>			
D207	8-719-911-19	DIODE 1SS119		Q201	8-729-119-78	TRANSISTOR 2SC2785-HFE	
D208	8-719-911-19	DIODE 1SS119		Q202	8-729-119-78	TRANSISTOR 2SC2785-HFE	
D209	8-719-911-19	DIODE 1SS119		Q203	8-729-119-76	TRANSISTOR 2SA1175-HFE	
D211	8-719-110-36	DIODE RD13ESB2		Q501	8-729-119-80	TRANSISTOR 2SC2688-LK	
D213	8-719-110-78	DIODE RD33ESB2		Q502	8-729-014-88	TRANSISTOR 2SC4891-CA	
D214	8-719-911-19	DIODE 1SS119		Q504	8-729-119-78	TRANSISTOR 2SC2785-HFE	
D216	8-719-911-19	DIODE 1SS119		Q505	8-729-201-32	TRANSISTOR 2SA1013-0	
D217	8-719-911-19	DIODE 1SS119		Q506	8-729-201-32	TRANSISTOR 2SA1013-0	
D219	8-719-911-19	DIODE 1SS119		Q507	8-729-304-92	TRANSISTOR 2SB649A-C	
D220	8-719-510-48	DIODE D1N20R		Q508	8-729-204-16	TRANSISTOR 2SA1301-0	
D221	8-719-911-19	DIODE 1SS119		Q509	8-729-119-78	TRANSISTOR 2SC2785-HFE	
D222	8-719-911-19	DIODE 1SS119		Q510	8-729-119-78	TRANSISTOR 2SC2785-HFE	
D223	8-719-911-19	DIODE 1SS119		Q511	8-729-119-76	TRANSISTOR 2SA1175-HFE	
D501	8-719-971-20	DIODE ERC38-06		Q512	8-729-119-78	TRANSISTOR 2SC2785-HFE	
D502	8-719-971-20	DIODE ERC38-06		Q1401	8-729-119-78	TRANSISTOR 2SC2785-HFE	
D503	8-719-300-80	DIODE RU-1C		Q1402	8-729-900-63	TRANSISTOR DTA124ES	
D504	8-719-109-88	DIODE RD5.6ESB1		Q1407	8-729-119-78	TRANSISTOR 2SC2785-HFE	
D505	8-719-900-63	DIODE V06C (KP-46S55)		Q1408	8-729-119-78	TRANSISTOR 2SC2785-HFE	
D506	8-719-900-63	DIODE V06C (KP-46S55)		Q1620	8-729-119-76	TRANSISTOR 2SA1175-HFE	
D507	8-719-970-89	DIODE DD50R		<RESISTOR>			
D509	8-719-911-19	DIODE 1SS119		R203	1-249-425-11	CARBON 4.7K 5% 1/4W	
D510	8-719-109-71	DIODE RD3.9ESB1		R204	1-249-441-11	CARBON 100K 5% 1/4W	
D511	8-719-911-19	DIODE 1SS119		R214	1-249-429-11	CARBON 10K 5% 1/4W	
D512	8-719-911-19	DIODE 1SS119		R215	1-249-437-11	CARBON 47K 5% 1/4W	
D513	8-719-911-19	DIODE 1SS119		R216	1-249-377-11	CARBON 0.47 5% 1/4W	F
D514	8-719-911-19	DIODE 1SS119		R219	1-249-426-11	CARBON 5.6K 5% 1/4W	
D515	8-719-911-19	DIODE 1SS119		R221	1-249-409-11	CARBON 220 5% 1/4W	
D1401	8-719-911-19	DIODE 1SS119		R222	1-249-436-11	CARBON 39K 5% 1/4W	
D1402	8-719-911-19	DIODE 1SS119		R223	1-249-434-11	CARBON 27K 5% 1/4W	
D1403	8-719-911-19	DIODE 1SS119		R224	1-249-409-11	CARBON 220 5% 1/4W	
D1406	8-719-911-19	DIODE 1SS119		R225	1-249-417-11	CARBON 1K 5% 1/4W	
D1408	8-719-911-19	DIODE 1SS119		R229	Δ 1-216-488-71	METAL OXIDE 18K 5% 3W	F
D1410	8-719-911-19	DIODE 1SS119		R231	1-249-409-11	CARBON 220 5% 1/4W	F
D1607	8-719-911-19	DIODE 1SS119		R232	Δ 1-215-906-71	METAL OXIDE 15 5% 3W	F
D1608	8-719-911-19	DIODE 1SS119		R233	1-249-409-11	CARBON 220 5% 1/4W	
JW266	8-719-911-19	DIODE 1SS119		R234	1-249-409-11	CARBON 220 5% 1/4W	
<IC>				R235	1-249-409-11	CARBON 220 5% 1/4W	
IC201	8-749-920-58	IC SI-3090CA		R236	1-249-409-11	CARBON 220 5% 1/4W	
IC204	8-759-231-53	IC TA7805S		R237	1-249-409-11	CARBON 220 5% 1/4W	
IC205	8-759-144-82	IC UPC2405HF		R238	1-249-409-11	CARBON 220 5% 1/4W	
IC206	8-759-231-58	IC TA7812S		R239	1-249-409-11	CARBON 220 5% 1/4W	
IC207	8-749-920-58	IC SI-3090CA		R240	Δ 1-215-906-71	METAL OXIDE 15 5% 3W	F
IC506	8-752-057-18	IC CXA1315P		R242	Δ 1-215-906-71	METAL OXIDE 15 5% 3W	F
IC1401	8-759-168-24	IC TA8200AH		R243	Δ 1-217-294-11	WIREWOUND 4.7 10% 5W	F
<COIL>				R244	Δ 1-217-296-11	WIREWOUND 6.8 10% 5W	F
L201	1-408-429-00	INDUCTOR 470UH		R296	1-249-417-11	CARBON 1K 5% 1/4W	
L201	1-408-429-00	INDUCTOR 470UH		R501	1-247-895-00	CARBON 470K 5% 1/4W	
L205	1-410-645-31	INDUCTOR 100UH		R502	1-249-377-11	CARBON 0.47 5% 1/4W	F
L206	1-408-416-00	INDUCTOR 39UH		R503	1-249-377-11	CARBON 0.47 5% 1/4W	F
L206	1-408-416-00	INDUCTOR 39UH		R504	1-249-417-11	CARBON 1K 5% 1/4W	
L212	1-410-312-11	INDUCTOR 0.22UH					
L501	Δ 1-460-196-11	COIL, HORIZONTAL LINEARITY					

A P1

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 spécifique.

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

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
R505	1-249-423-11	CARBON	3.3K 5% 1/4W	R1439	1-247-883-00	CARBON	150K 5% 1/4W
R506 Δ	1-215-922-91	METAL OXIDE	6.8K 5% 3W F	R1440	1-249-417-11	CARBON	1K 5% 1/4W
R507	1-249-429-11	CARBON	10K 5% 1/4W F	R1442	1-215-410-00	METAL	360 1% 1/4W
R508 Δ	1-216-373-91	METAL OXIDE	2.2 5% 2W F	R1443	1-215-410-00	METAL	360 1% 1/4W
R509 Δ	1-216-478-91	METAL OXIDE	390 5% 3W F	R1520	1-249-429-11	CARBON	10K 5% 1/4W
R511	1-247-811-31	CARBON	150 5% 1/4W	R1602	1-249-417-11	CARBON	1K 5% 1/4W
R512	1-249-421-11	CARBON	2.2K 5% 1/4W F	R1605	1-247-807-31	CARBON	100 5% 1/4W
R513	1-249-417-11	CARBON	1K 5% 1/4W	R1606	1-247-807-31	CARBON	100 5% 1/4W
R514 Δ	1-215-877-91	METAL OXIDE	22K 5% 1W F	R1610	1-247-807-31	CARBON	100 5% 1/4W
R515	1-249-430-11	CARBON	12K 5% 1/4W F	R1611	1-247-807-31	CARBON	100 5% 1/4W
R516	1-249-417-11	CARBON	1K 5% 1/4W	R1612	1-247-807-31	CARBON	100 5% 1/4W
R517	1-249-426-11	CARBON	5.6K 5% 1/4W F	R1614	1-249-411-11	CARBON	330 5% 1/4W
R518	1-249-425-11	CARBON	4.7K 5% 1/4W F	R1630	1-249-434-11	CARBON	27K 5% 1/4W
R519	1-249-417-11	CARBON	1K 5% 1/4W F	R1631	1-249-433-11	CARBON	22K 5% 1/4W
R520 Δ	1-215-925-91	METAL OXIDE	22K 5% 3W F	<TRANSFORMER>			
R521 Δ	1-215-925-91	METAL OXIDE	22K 5% 3W F	T501 Δ	1-439-545-11	TRANSFORMER, FERRITE	
R522	1-249-421-11	CARBON	2.2K 5% 1/4W	T502 Δ	1-437-078-11	TRANSFORMER, HORIZONTAL DRIVE	
R523	1-249-434-11	CARBON	27K 5% 1/4W	<TUNER>			
R524	1-249-434-11	CARBON	27K 5% 1/4W	TU101 Δ	1-693-102-22	TUNER (BTF-YA401)	
R525 Δ	1-215-922-91	METAL OXIDE	6.8K 5% 3W F	*****			
R526	1-249-417-11	CARBON	1K 5% 1/4W	*A-1195-084-A P1 BOARD, COMPLETE			
R528 Δ	1-216-447-91	METAL OXIDE	27 5% 2W F	*****			
R529 Δ	1-216-447-91	METAL OXIDE	27 5% 2W F	<CAPACITOR>			
R530	1-249-431-11	CARBON	15K 5% 1/4W	C3001	1-124-589-11	ELECT	47MF 20% 16V
R531	1-249-431-11	CARBON	15K 5% 1/4W	C3002	1-164-346-11	CERAMIC CHIP	1MF 16V
R532	1-249-385-11	CARBON	2.2 5% 1/4W F	C3003	1-164-232-11	CERAMIC CHIP	0.01MF 10% 50V
R533	1-249-429-11	CARBON	10K 5% 1/4W	C3004	1-163-119-00	CERAMIC CHIP	120PF 5% 50V
R534	1-249-429-11	CARBON	10K 5% 1/4W	C3005	1-163-235-11	CERAMIC CHIP	22PF 5% 50V
R536 Δ	1-217-315-11	WIREWOUND	270 10% 5W F	C3006	1-164-232-11	CERAMIC CHIP	0.01MF 10% 50V
R537 Δ	1-217-315-11	WIREWOUND	270 10% 5W F	C3007	1-164-005-11	CERAMIC CHIP	0.47MF 25V
R550	1-249-385-11	CARBON	2.2 5% 1/4W F	C3008	1-164-004-11	CERAMIC CHIP	0.1MF 10% 25V
R558	1-249-385-11	CARBON	2.2 5% 1/4W F	C3009	1-124-925-11	ELECT	2.2MF 20% 50V
R559	1-249-409-11	CARBON	220 5% 1/4W	C3010	1-163-145-00	CERAMIC CHIP	0.0015MF 5% 50V
R560	1-249-409-11	CARBON	220 5% 1/4W	C3011	1-163-018-00	CERAMIC CHIP	0.0056MF 10% 50V
R565	1-249-427-11	CARBON	6.8K 5% 1/4W	C3012	1-164-336-11	CERAMIC CHIP	0.33MF 25V
R566	1-249-427-11	CARBON	6.8K 5% 1/4W	C3013	1-164-222-11	CERAMIC CHIP	0.22MF 25V
R567	1-249-427-11	CARBON	6.8K 5% 1/4W	C3014	1-164-004-11	CERAMIC CHIP	0.1MF 10% 25V
R568	1-249-427-11	CARBON	6.8K 5% 1/4W	C3015	1-164-232-11	CERAMIC CHIP	0.01MF 10% 50V
R569	1-249-426-11	CARBON	5.6K 5% 1/4W	C3016	1-163-107-00	CERAMIC CHIP	39PF 5% 50V
R570	1-249-441-11	CARBON	100K 5% 1/4W	C3017	1-130-495-00	MYLAR	0.1MF 5% 50V
R571	1-249-429-11	CARBON	10K 5% 1/4W	C3018	1-163-115-00	CERAMIC CHIP	82PF 5% 50V
R572	1-249-429-11	CARBON	10K 5% 1/4W	C3019	1-164-232-11	CERAMIC CHIP	0.01MF 10% 50V
R579	1-249-417-11	CARBON	1K 5% 1/4W	C3020	1-163-105-00	CERAMIC CHIP	33PF 5% 50V
R1401	1-215-445-00	METAL	10K 1% 1/4W	C3021	1-163-115-00	CERAMIC CHIP	82PF 5% 50V
R1402	1-215-445-00	METAL	10K 1% 1/4W	C3022	1-126-301-11	ELECT	1MF 20% 50V
R1403	1-215-445-00	METAL	10K 1% 1/4W	C3023	1-124-589-11	ELECT	47MF 20% 16V
R1404	1-215-445-00	METAL	10K 1% 1/4W	C3024	1-163-018-00	CERAMIC CHIP	0.0056MF 10% 50V
R1405	1-249-385-11	CARBON	2.2 5% 1/4W				
R1406	1-249-385-11	CARBON	2.2 5% 1/4W				
R1409	1-249-433-11	CARBON	22K 5% 1/4W				
R1410	1-249-433-11	CARBON	22K 5% 1/4W				
R1411	1-249-437-11	CARBON	47K 5% 1/4W				
R1427 Δ	1-215-865-91	METAL OXIDE	220 5% 1W F				
R1428 Δ	1-215-865-91	METAL OXIDE	220 5% 1W F				
R1431	1-247-807-31	CARBON	100 5% 1/4W				
R1433	1-249-425-11	CARBON	4.7K 5% 1/4W				
R1434	1-249-423-11	CARBON	3.3K 5% 1/4W				

REF. NO.	PART NO.	DESCRIPTION	REMARK
C3025	1-164-343-11	CERAMIC CHIP 0.056MF	10% 25V
C3026	1-126-163-11	ELECT 4.7MF	20% 50V
C3027	1-163-275-11	CERAMIC CHIP 0.001MF	5% 50V
C3028	1-124-589-11	ELECT 47MF	20% 16V
C3029	1-163-133-00	CERAMIC CHIP 470PF	5% 50V
C3030	1-163-037-11	CERAMIC CHIP 0.022MF	10% 25V
C3031	1-126-177-11	ELECT 100MF	20% 6.3V
C3032	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C3033	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C3034	1-164-336-11	CERAMIC CHIP 0.33MF	25V
C3035	1-163-117-00	CERAMIC CHIP 100PF	5% 50V
C3036	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C3037	1-124-589-11	ELECT 47MF	20% 16V
C3038	1-136-287-11	FILM 0.0047MF	5% 50V
C3039	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C3040	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
C3041	1-163-037-11	CERAMIC CHIP 0.022MF	10% 25V
C3042	1-164-346-11	CERAMIC CHIP 1MF	16V
C3043	1-124-465-00	ELECT 0.47MF	20% 50V
C3044	1-126-301-11	ELECT 1MF	20% 50V
C3045	1-124-589-11	ELECT 47MF	20% 16V
C3046	1-126-301-11	ELECT 1MF	20% 50V
C3047	1-126-301-11	ELECT 1MF	20% 50V
C3048	1-164-161-11	CERAMIC CHIP 0.0022MF	10% 50V
C3051	1-164-161-11	CERAMIC CHIP 0.0022MF	10% 50V
C3052	1-126-177-11	ELECT 100MF	20% 6.3V
C3053	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C3054	1-126-177-11	ELECT 100MF	20% 6.3V
C3055	1-163-133-00	CERAMIC CHIP 470PF	5% 50V
C3057	1-124-589-11	ELECT 47MF	20% 16V
C3058	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V
C3059	1-164-222-11	CERAMIC CHIP 0.22MF	25V
C3060	1-124-589-11	ELECT 47MF	20% 16V
C3064	1-163-123-00	CERAMIC CHIP 180PF	5% 50V
C3065	1-124-589-11	ELECT 47MF	20% 16V
C3066	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C3067	1-124-589-11	ELECT 47MF	20% 16V
C3069	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
C3070	1-126-177-11	ELECT 100MF	20% 6.3V
C3071	1-124-589-11	ELECT 47MF	20% 16V
C3072	1-124-589-11	ELECT 47MF	20% 16V
C3073	1-124-589-11	ELECT 47MF	20% 16V
C3074	1-163-121-00	CERAMIC CHIP 150PF	5% 50V
C3076	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C3077	1-164-005-11	CERAMIC CHIP 0.47MF	25V
C3081	1-163-095-00	CERAMIC CHIP 12PF	5% 50V
C3100	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C3101	1-163-249-11	CERAMIC CHIP 82PF	5% 50V
<CONNECTOR>			
CN151	1-573-965-21	PIN, CONNECTOR (PC BOARD) 50P	
<DIODE>			
D3003	8-719-158-15	DIODE RD5.6SB	
D3004	8-719-404-46	DIODE MA110	
D3009	8-719-404-46	DIODE MA110	
<IC>			
IC3001	8-759-046-25	IC TDA3764	
IC3002	8-759-009-46	IC MC14528BF	
IC3003	8-759-513-48	IC TDA2595/V9	

REF. NO.	PART NO.	DESCRIPTION	REMARK
IC3004	8-759-248-15	IC SDA9187-2XGEG	
IC3005	8-759-192-90	IC SDA9188-3XGEG	
IC3006	8-759-112-06	IC UPC78N05H	
IC3007	8-759-248-91	IC SDA9086-5	
IC3008	8-759-112-06	IC UPC78N05H	
<COIL>			
L3001	1-410-476-11	INDUCTOR	33UH
L3002	1-408-424-00	INDUCTOR	180UH
L3003	1-408-424-00	INDUCTOR	180UH
L3004	1-410-470-11	INDUCTOR	10UH
L3005	1-410-472-41	INDUCTOR	15UH
L3006	1-412-788-41	INDUCTOR	10UH
L3007	1-410-472-41	INDUCTOR	15UH
L3008	1-410-472-41	INDUCTOR	15UH
L3009	1-410-472-41	INDUCTOR	15UH
L3010	1-410-466-41	INDUCTOR	4.7UH
L3011	1-410-470-11	INDUCTOR	10UH
L3012	1-410-676-31	INDUCTOR	150UH
L3013	1-412-911-11	INDUCTOR, FERRITE BEAD	
L3014	1-412-911-11	INDUCTOR, FERRITE BEAD	
L3015	1-412-911-11	INDUCTOR, FERRITE BEAD	
L3100	1-410-392-11	INDUCTOR	82UH
<TRANSISTOR>			
Q3003	8-729-216-22	TRANSISTOR 2SA1162-G	
Q3004	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q3006	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q3007	8-729-216-22	TRANSISTOR 2SA1162-G	
Q3008	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q3009	8-729-216-22	TRANSISTOR 2SA1162-G	
Q3010	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q3011	8-729-216-22	TRANSISTOR 2SA1162-G	
Q3012	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q3013	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q3014	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q3100	8-729-216-22	TRANSISTOR 2SA1162-G	
<RESISTOR>			
JR1	1-216-295-00	METAL GLAZE	0 5% 1/10W
JW2	1-216-295-00	METAL GLAZE	0 5% 1/10W
R3001	1-216-085-00	METAL GLAZE	33K 5% 1/10W
R3002	1-216-089-00	METAL GLAZE	47K 5% 1/10W
R3003	1-216-067-00	METAL GLAZE	5.6K 5% 1/10W
R3004	1-216-091-00	METAL GLAZE	56K 5% 1/10W
R3005	1-216-689-11	METAL GLAZE	39K 5% 1/10W
R3006	1-216-097-00	METAL GLAZE	100K 5% 1/10W
R3007	1-216-079-00	METAL GLAZE	18K 5% 1/10W
R3008	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R3009	1-216-041-00	METAL GLAZE	470 5% 1/10W
R3010	1-216-049-00	METAL GLAZE	1K 5% 1/10W
R3011	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R3012	1-216-053-00	METAL GLAZE	1.5K 5% 1/10W
R3013	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
R3014	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
R3015	1-216-049-00	METAL GLAZE	1K 5% 1/10W
R3017	1-216-083-00	METAL GLAZE	27K 5% 1/10W
R3018	1-216-097-00	METAL GLAZE	100K 5% 1/10W
R3019	1-216-077-00	METAL GLAZE	15K 5% 1/10W
R3020	1-216-099-00	METAL GLAZE	120K 5% 1/10W

P1 M

REF. NO.	PART NO.	DESCRIPTION	REMARK
R3021	1-216-075-00	METAL GLAZE 12K 5%	1/10W
R3023	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
R3024	1-216-101-00	METAL GLAZE 150K 5%	1/10W
R3025	1-216-015-00	METAL GLAZE 39 5%	1/10W
R3026	1-216-041-00	METAL GLAZE 470 5%	1/10W
R3027	1-216-061-00	METAL GLAZE 3.3K 5%	1/10W
R3028	1-216-027-00	METAL GLAZE 120 5%	1/10W
R3030	1-216-073-00	METAL GLAZE 10K 5%	1/10W
R3031	1-216-047-00	METAL GLAZE 820 5%	1/10W
R3032	1-216-041-00	METAL GLAZE 470 5%	1/10W
R3033	1-216-295-00	METAL GLAZE 0 5%	1/10W
R3034	1-216-041-00	METAL GLAZE 470 5%	1/10W
R3035	1-216-045-00	METAL GLAZE 680 5%	1/10W
R3036	1-216-045-00	METAL GLAZE 680 5%	1/10W
R3037	1-216-083-00	METAL GLAZE 27K 5%	1/10W
R3038	1-216-049-00	METAL GLAZE 1K 5%	1/10W
R3039	1-216-073-00	METAL GLAZE 10K 5%	1/10W
R3040	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
R3041	1-216-073-00	METAL GLAZE 10K 5%	1/10W
R3042	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W
R3043	1-216-099-00	METAL GLAZE 120K 5%	1/10W
R3044	1-216-089-00	METAL GLAZE 47K 5%	1/10W
R3045	1-216-295-00	METAL GLAZE 0 5%	1/10W
R3050	1-216-033-00	METAL GLAZE 220 5%	1/10W
R3052	1-216-033-00	METAL GLAZE 220 5%	1/10W
R3053	1-216-037-00	METAL GLAZE 330 5%	1/10W
R3055	1-216-063-00	METAL GLAZE 3.9K 5%	1/10W
R3056	1-216 059-00	METAL GLAZE 2.7K 5%	1/10W
R3057	1-216-081-00	METAL GLAZE 22K 5%	1/10W
R3058	1-216-049-00	METAL GLAZE 1K 5%	1/10W
R3059	1-216-079-00	METAL GLAZE 18K 5%	1/10W
R3060	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
R3061	1-216-049-00	METAL GLAZE 1K 5%	1/10W
R3062	1-216-049-00	METAL GLAZE 1K 5%	1/10W
R3063	1-216-025-00	METAL GLAZE 100 5%	1/10W
R3064	1-216-295-00	METAL GLAZE 0 5%	1/10W
R3065	1-216-073-00	METAL GLAZE 10K 5%	1/10W
R3066	1-216-053-00	METAL GLAZE 1.5K 5%	1/10W
R3067	1-216-295-00	METAL GLAZE 0 5%	1/10W
R3069	1-216-689-11	METAL GLAZE 39K 5%	1/10W
R3071	1-216-049-00	METAL GLAZE 1K 5%	1/10W
R3073	1-216-049-00	METAL GLAZE 1K 5%	1/10W
R3074	1-216-295-00	METAL GLAZE 0 5%	1/10W
R3075	1-216-049-00	METAL GLAZE 1K 5%	1/10W
R3076	1-216-043-00	METAL GLAZE 560 5%	1/10W
R3077	1-216-033-00	METAL GLAZE 220 5%	1/10W
R3078	1-216-039-00	METAL GLAZE 390 5%	1/10W
R3079	1-216-035-00	METAL GLAZE 270 5%	1/10W
R3082	1-216-029-00	METAL GLAZE 150 5%	1/10W
R3084	1-216-049-00	METAL GLAZE 1K 5%	1/10W
R3085	1-216-119-00	METAL GLAZE 820K 5%	1/10W
R3086	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
R3087	1-216-081-00	METAL GLAZE 22K 5%	1/10W
R3088	1-216-089-00	METAL GLAZE 47K 5%	1/10W
R3089	1-216-033-00	METAL GLAZE 220 5%	1/10W
R3090	1-216-089-00	METAL GLAZE 47K 5%	1/10W
R3091	1-216-053-00	METAL GLAZE 1.5K 5%	1/10W
R3092	1-216-053-00	METAL GLAZE 1.5K 5%	1/10W
R3098	1-216-296-91	METAL GLAZE 0 5%	1/8W
R3099	1-216-296-91	METAL GLAZE 0 5%	1/8W
R3100	1-216-296-91	METAL GLAZE 0 5%	1/8W
R3101	1-216-051-00	METAL GLAZE 1.2K 5%	1/10W
R3102	1-216-047-00	METAL GLAZE 820 5%	1/10W
R3103	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W

REF. NO.	PART NO.	DESCRIPTION	REMARK
R3104	1-216-049-00	METAL GLAZE 1K 5%	1/10W
<VARIABLE RESISTOR>			
RV3001	1-241-630-11	RES, ADJ, CARBON 10K	
RV3002	1-238-019-11	RES, ADJ, CARBON 47K	
RV3003	1-241-630-11	RES, ADJ, CARBON 10K	
<CRYSTAL>			
X3001	1-567-505-11	OSCILLATOR, CRYSTAL	

*A-1306-457-A	M BOARD, COMPLETE		*****
<CAPACITOR>			
C001	1-124-261-00	ELECT 10MF	20% 50V
C002	1-163-125-00	CERAMIC CHIP 220PF	5% 50V
C003	1-136-161-00	FILM 0.047MF	5% 50V
C004	1-126-301-11	ELECT 1MF	20% 50V
C005	1-163-125-00	CERAMIC CHIP 220PF	5% 50V
C014	1-124-910-11	ELECT 47MF	20% 50V
C017	1-124-589-11	ELECT 47MF	20% 16V
C018	1-163-141-00	CERAMIC CHIP 0.001MF	5% 50V
C019	1-164-695-11	CERAMIC CHIP 0.0022MF	5% 50V
C020	1-163-241-11	CERAMIC CHIP 39PF	5% 50V
C021	1-163-239-11	CERAMIC CHIP 33PF	5% 50V
C029	1-163-249-11	CERAMIC CHIP 82PF	5% 50V
C030	1-163-249-11	CERAMIC CHIP 82PF	5% 50V
C034	1-163-125-00	CERAMIC CHIP 220PF	5% 50V
C035	1-163-125-00	CERAMIC CHIP 220PF	5% 50V
C036	1-163-125-00	CERAMIC CHIP 220PF	5% 50V
C041	1-163-117-00	CERAMIC CHIP 100PF	5% 50V
C042	1-163-117-00	CERAMIC CHIP 100PF	5% 50V
C045	1-163-125-00	CERAMIC CHIP 220PF	5% 50V
C047	1-124-261-00	ELECT 10MF	20% 50V
C048	1-124-261-00	ELECT 10MF	20% 50V
C049	1-124-261-00	ELECT 10MF	20% 50V
C055	1-163-809-11	CERAMIC CHIP 0.047MF	10% 25V
C064	1-163-121-00	CERAMIC CHIP 150PF	5% 50V
C065	1-124-257-00	ELECT 2.2MF	20% 50V
<CONNECTOR>			
M45	*1-564-523-11	PLUG, CONNECTOR 8P	
M001	1-573-965-21	PIN, CONNECTOR (PC BOARD) 50P	
<DIODE>			
D001	8-719-404-46	DIODE MA110	
D002	8-719-404-46	DIODE MA110	
D009	8-719-404-46	DIODE MA110	
D010	8-713-300-57	DIODE 1T33	
D011	8-719-404-46	DIODE MA110	
D012	8-719-404-46	DIODE MA110	
D014	8-719-404-46	DIODE MA110	
D015	8-719-404-46	DIODE MA110	
<IC>			
IC001	8-759-254-34	IC TMC73C247-51	
IC002	8-759-403-44	IC MN1280-S	



REF.NO.	PART NO.	DESCRIPTION	REMARK
<COIL>			
L001	1-408-409-00	INDUCTOR 10UH	
L002	1-410-476-11	INDUCTOR 33UH	
<TRANSISTOR>			
Q001	8-729-216-22	TRANSISTOR 2SA1162-G	
Q009	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q010	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q011	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q012	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q013	8-729-216-22	TRANSISTOR 2SA1162-G	
Q014	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
<RESISTOR>			
R001	1-216-045-00	METAL GLAZE 680 5%	1/10W
R002	1-216-097-00	METAL GLAZE 100K 5%	1/10W
R003	1-216-121-00	METAL GLAZE 1M 5%	1/10W
R004	1-216-073-00	METAL GLAZE 10K 5%	1/10W
R005	1-216-073-00	METAL GLAZE 10K 5%	1/10W
R006	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
R007	1-216-027-00	METAL GLAZE 120 5%	1/10W
R008	1-216-041-00	METAL GLAZE 470 5%	1/10W
R009	1-216-027-00	METAL GLAZE 120 5%	1/10W
R011	1-216-033-00	METAL GLAZE 220 5%	1/10W
R012	1-216-033-00	METAL GLAZE 220 5%	1/10W
R013	1-216-067-00	METAL GLAZE 5.6K 5%	1/10W
R014	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W
R015	1-216-089-00	METAL GLAZE 47K 5%	1/10W
R016	1-216-067-00	METAL GLAZE 5.6K 5%	1/10W
R017	1-216-067-00	METAL GLAZE 5.6K 5%	1/10W
R018	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
R019	1-216-073-00	METAL GLAZE 10K 5%	1/10W
R033	1-216-073-00	METAL GLAZE 10K 5%	1/10W
R034	1-216-033-00	METAL GLAZE 220 5%	1/10W
R035	1-216-033-00	METAL GLAZE 220 5%	1/10W
R036	1-216-033-00	METAL GLAZE 220 5%	1/10W
R037	1-216-073-00	METAL GLAZE 10K 5%	1/10W
R038	1-216-033-00	METAL GLAZE 220 5%	1/10W
R039	1-216-073-00	METAL GLAZE 10K 5%	1/10W
R040	1-216-089-00	METAL GLAZE 47K 5%	1/10W
R041	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W
R042	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
R043	1-216-033-00	METAL GLAZE 220 5%	1/10W
R044	1-216-033-00	METAL GLAZE 220 5%	1/10W
R045	1-216-025-00	METAL GLAZE 100 5%	1/10W
R046	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
R047	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
R048	1-216-033-00	METAL GLAZE 220 5%	1/10W
R049	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
R050	1-216-295-00	METAL GLAZE 0 5%	1/10W
R051	1-216-033-00	METAL GLAZE 220 5%	1/10W
R052	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
R053	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
R054	1-216-073-00	METAL GLAZE 10K 5%	1/10W
R055	1-216-073-00	METAL GLAZE 10K 5%	1/10W
R056	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
R057	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
R058	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
R059	1-216-073-00	METAL GLAZE 10K 5%	1/10W

REF.NO.	PART NO.	DESCRIPTION	REMARK
R060	1-216-073-00	METAL GLAZE 10K 5%	1/10W
R063	1-216-033-00	METAL GLAZE 220 5%	1/10W
R064	1-216-053-00	METAL GLAZE 1.5K 5%	1/10W
R065	1-216-033-00	METAL GLAZE 220 5%	1/10W
R066	1-216-033-00	METAL GLAZE 220 5%	1/10W
R067	1-216-033-00	METAL GLAZE 220 5%	1/10W
R068	1-216-033-00	METAL GLAZE 220 5%	1/10W
R069	1-216-049-00	METAL GLAZE 1K 5%	1/10W
R070	1-216-033-00	METAL GLAZE 220 5%	1/10W
R072	1-216-033-00	METAL GLAZE 220 5%	1/10W
R073	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W
R074	1-216-033-00	METAL GLAZE 220 5%	1/10W
R075	1-216-033-00	METAL GLAZE 220 5%	1/10W
R076	1-216-089-00	METAL GLAZE 47K 5%	1/10W
R077	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W
R078	1-216-033-00	METAL GLAZE 220 5%	1/10W
R079	1-216-025-00	METAL GLAZE 100 5%	1/10W
R080	1-216-061-00	METAL GLAZE 3.3K 5%	1/10W
R081	1-216-033-00	METAL GLAZE 220 5%	1/10W
R082	1-216-033-00	METAL GLAZE 220 5%	1/10W
R083	1-216-033-00	METAL GLAZE 220 5%	1/10W
R084	1-216-097-00	METAL GLAZE 100K 5%	1/10W
R085	1-216-033-00	METAL GLAZE 220 5%	1/10W
R086	1-216-033-00	METAL GLAZE 220 5%	1/10W
R087	1-216-033-00	METAL GLAZE 220 5%	1/10W
R088	1-216-033-00	METAL GLAZE 220 5%	1/10W
R089	1-216-089-00	METAL GLAZE 47K 5%	1/10W
R090	1-216-033-00	METAL GLAZE 220 5%	1/10W
R091	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
R092	1-216-077-00	METAL GLAZE 15K 5%	1/10W
R093	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
R094	1-216-033-00	METAL GLAZE 220 5%	1/10W
R095	1-216-073-00	METAL GLAZE 10K 5%	1/10W
R096	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
R097	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
R098	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
R100	1-216-025-00	METAL GLAZE 100 5%	1/10W
R101	1-216-025-00	METAL GLAZE 100 5%	1/10W
R102	1-216-089-00	METAL GLAZE 47K 5%	1/10W
R103	1-216-033-00	METAL GLAZE 220 5%	1/10W
R104	1-216-033-00	METAL GLAZE 220 5%	1/10W
<CRYSTAL>			
X001	1-579-743-11	VIBRATOR, CRYSTAL	

*A-1346-137-A E2 BOARD, COMPLETE			

<CAPACITOR>			
C2302	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V
C2303	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
C2310	1-163-105-00	CERAMIC CHIP 33PF	5% 50V
C2314	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
C2315	1-126-157-11	ELECT 10MF	20% 16V
C2316	1-126-157-11	ELECT 10MF	20% 16V
C2317	1-126-157-11	ELECT 10MF	20% 16V
C2318	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
C2320	1-124-589-11	ELECT 47MF	20% 16V
C2321	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V
C2322	1-124-234-00	ELECT 22MF	20% 16V

E2

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
C2323	1-124-234-00	ELECT 22MF	20% 16V	Q2306	8-729-403-27	TRANSISTOR XN4401	
C2324	1-124-234-00	ELECT 22MF	20% 16V	Q2307	8-729-403-27	TRANSISTOR XN4401	
C2325	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	Q2308	8-729-403-27	TRANSISTOR XN4401	
C2326	1-124-589-11	ELECT 47MF	20% 16V	Q2309	8-729-903-10	TRANSISTOR FMW1	
C2327	1-164-505-11	CERAMIC CHIP 2.2MF	16V	Q2310	8-729-403-27	TRANSISTOR XN4401	
C2328	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	Q2311	8-729-903-10	TRANSISTOR FMW1	
C2329	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	Q2312	8-729-403-27	TRANSISTOR XN4401	
C2331	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	Q2313	8-729-903-10	TRANSISTOR FMW1	
C2332	1-124-234-00	ELECT 22MF	20% 16V	Q2314	8-729-403-27	TRANSISTOR XN4401	
C2333	1-124-234-00	ELECT 22MF	20% 16V	Q2315	8-729-903-10	TRANSISTOR FMW1	
C2334	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	Q2317	8-729-216-22	TRANSISTOR 2SA1162-G	
C2335	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	Q2318	8-729-216-22	TRANSISTOR 2SA1162-G	
C2336	1-126-163-11	ELECT 4.7MF	20% 16V	Q2319	8-729-216-22	TRANSISTOR 2SA1162-G	
C2337	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	Q2320	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
C2338	1-163-038-00	CERAMIC CHIP 0.1MF	25V	Q2321	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
C2340	1-163-133-00	CERAMIC CHIP 470PF	5% 50V	Q2322	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
C2341	1-135-217-21	TANTAL. CHIP 15MF	20% 6.3V	Q2324	8-729-216-22	TRANSISTOR 2SA1162-G	
C2345	1-164-505-11	CERAMIC CHIP 2.2MF	16V	Q2326	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
C2346	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	Q2327	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
C2347	1-163-367-11	CERAMIC CHIP 39PF	5% 50V	Q2328	8-729-925-79	TRANSISTOR IMX3	
C2349	1-164-505-11	CERAMIC CHIP 2.2MF	16V	Q2329	8-729-925-79	TRANSISTOR IMX3	
C2350	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	Q2330	8-729-903-10	TRANSISTOR FMW1	
C2351	1-164-505-11	CERAMIC CHIP 2.2MF	16V	Q2336	8-729-925-79	TRANSISTOR IMX3	
C2352	1-164-505-11	CERAMIC CHIP 2.2MF	16V	Q2337	8-729-925-79	TRANSISTOR IMX3	
C2353	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	Q2339	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
C2354	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	Q2340	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
C2357	1-126-301-11	ELECT 1MF	20% 50V	Q2341	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
C2360	1-163-109-00	CERAMIC CHIP 47PF	5% 50V				
<CONNECTOR>				<RESISTOR>			
E2-25	*1-564-521-11	PLUG, CONNECTOR 6P		R2302	1-216-049-00	METAL GLAZE 1K	5% 1/10W
E2-26	*1-564-522-11	PLUG, CONNECTOR 7P		R2303	1-216-049-00	METAL GLAZE 1K	5% 1/10W
E2-46	*1-564-518-11	PLUG, CONNECTOR 3P		R2304	1-216-049-00	METAL GLAZE 1K	5% 1/10W
E2-002	1-573-965-21	PIN, CONNECTOR (PC BOARD) 50P		R2305	1-216-033-00	METAL GLAZE 220	5% 1/10W
				R2306	1-216-045-00	METAL GLAZE 680	5% 1/10W
<DIODE>				R2307	1-216-045-00	METAL GLAZE 680	5% 1/10W
D2306	8-719-404-46	DIODE MA110		R2308	1-216-045-00	METAL GLAZE 680	5% 1/10W
D2307	8-719-948-98	DIODE FMN1		R2309	1-216-041-00	METAL GLAZE 470	5% 1/10W
D2308	8-719-948-98	DIODE FMN1		R2310	1-216-055-00	METAL GLAZE 1.8K	5% 1/10W
D2309	8-719-404-46	DIODE MA110		R2311	1-216-025-00	METAL GLAZE 100	5% 1/10W
D2312	8-719-404-46	DIODE MA110		R2312	1-216-043-00	METAL GLAZE 560	5% 1/10W
D2313	8-719-404-46	DIODE MA110		R2313	1-216-055-00	METAL GLAZE 1.8K	5% 1/10W
D2314	8-713-300-57	DIODE 1T33		R2314	1-216-061-00	METAL GLAZE 3.3K	5% 1/10W
D2317	8-719-404-46	DIODE MA110		R2315	1-216-081-00	METAL GLAZE 22K	5% 1/10W
				R2317	1-216-041-00	METAL GLAZE 470	5% 1/10W
<IC>				R2318	1-216-055-00	METAL GLAZE 1.8K	5% 1/10W
IC2301	8-759-066-52	IC PCA8510T/012-T		R2319	1-216-079-00	METAL GLAZE 18K	5% 1/10W
IC2303	8-759-925-75	IC SN74HC05ANS		R2320	1-216-061-00	METAL GLAZE 3.3K	5% 1/10W
IC2304	8-752-037-15	IC CXA1387S		R2321	1-216-063-00	METAL GLAZE 3.9K	5% 1/10W
IC2306	8-759-011-65	IC MC74HC4053F		R2322	1-216-049-00	METAL GLAZE 1K	5% 1/10W
IC2307	8-752-058-68	IC CXA1315M		R2323	1-216-067-00	METAL GLAZE 5.6K	5% 1/10W
				R2324	1-216-049-00	METAL GLAZE 1K	5% 1/10W
				R2325	1-216-049-00	METAL GLAZE 1K	5% 1/10W
				R2326	1-216-061-00	METAL GLAZE 3.3K	5% 1/10W
				R2327	1-216-063-00	METAL GLAZE 3.9K	5% 1/10W
<COIL>				R2328	1-216-025-00	METAL GLAZE 100	5% 1/10W
L2304	1-408-414-00	INDUCTOR 27UH		R2329	1-216-025-00	METAL GLAZE 100	5% 1/10W
				R2330	1-216-061-00	METAL GLAZE 3.3K	5% 1/10W
<TRANSISTOR>				R2331	1-216-063-00	METAL GLAZE 3.9K	5% 1/10W
Q2301	8-729-903-10	TRANSISTOR FMW1		R2332	1-216-025-00	METAL GLAZE 100	5% 1/10W
Q2303	8-729-403-27	TRANSISTOR XN4401		R2333	1-216-067-00	METAL GLAZE 5.6K	5% 1/10W
Q2304	8-729-925-79	TRANSISTOR IMX3		R2334	1-216-295-00	METAL GLAZE 0	5% 1/10W
Q2305	8-729-903-10	TRANSISTOR FMW1		R2335	1-216-295-00	METAL GLAZE 0	5% 1/10W

E2 E1

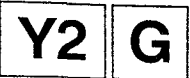
REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
R7312	1-216-049-00	METAL GLAZE 1K 5%	1/10W				
R7313	1-216-047-00	METAL GLAZE 820 5%	1/10W				
R7314	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W				
<CRYSTAL>							
X2301	1-577-071-11	VIBRATOR, CERAMIC		C366	1-124-257-00	ELECT 2.2MF	20% 50V
*****				C367	1-126-157-11	ELECT 10MF	20% 16V
*A-1346-138-A	E1 BOARD, COMPLETE	*****		C368	1-124-234-00	ELECT 22MF	20% 16V
<CAPACITOR>				C369	1-163-001-11	CERAMIC CHIP 220PF	10% 50V
C301	1-163-010-11	CERAMIC CHIP 0.0012MF	10% 50V	C370	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
C303	1-126-157-11	ELECT 10MF	20% 16V				
C304	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	C371	1-126-803-11	ELECT 47MF	20% 16V
C305	1-163-251-11	CERAMIC CHIP 100PF	5% 50V	C372	1-124-589-11	ELECT 47MF	20% 16V
C306	1-163-117-00	CERAMIC CHIP 100PF	5% 50V	C373	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
				C378	1-163-117-00	CERAMIC CHIP 100PF	5% 50V
C309	1-164-505-11	CERAMIC CHIP 2.2MF	16V	C379	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
C310	1-163-109-00	CERAMIC CHIP 47PF	5% 50V				
C314	1-124-667-11	ELECT 10MF	20% 16V	C380	1-163-137-00	CERAMIC CHIP 680PF	5% 50V
C315	1-164-505-11	CERAMIC CHIP 2.2MF	16V	C381	1-163-101-00	CERAMIC CHIP 22PF	5% 50V
C319	1-126-157-11	ELECT 10MF	20% 16V	C382	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
				C383	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C320	1-124-465-00	ELECT 0.47MF	20% 50V	C384	1-163-095-00	CERAMIC CHIP 12PF	5% 50V
C321	1-163-125-00	CERAMIC CHIP 220PF	5% 50V	<CONNECTOR>			
C322	1-163-003-11	CERAMIC CHIP 330PF	10% 50V	E1-24	1-564-523-11	PLUG, CONNECTOR 8P	
C323	1-163-099-00	CERAMIC CHIP 18PF	5% 50V	E1-25	*1-564-521-11	PLUG, CONNECTOR 6P	
C324	1-124-234-00	ELECT 22MF	20% 16V	E1-26	*1-564-522-11	PLUG, CONNECTOR 7P	
C325	1-104-563-11	FILM CHIP 0.1MF	5% 16V	E1-001	1-573-965-21	PIN, CONNECTOR (PC BOARD) 50P	
C326	1-104-563-11	FILM CHIP 0.1MF	5% 16V	<DIODE>			
C327	1-104-563-11	FILM CHIP 0.1MF	5% 16V	D301	8-719-404-46	DIODE MA110	
C328	1-126-157-11	ELECT 10MF	20% 16V	D302	8-719-404-46	DIODE MA110	
C329	1-126-157-11	ELECT 10MF	20% 16V	D303	8-719-404-46	DIODE MA110	
C330	1-126-157-11	ELECT 10MF	20% 16V	D304	8-719-404-46	DIODE MA110	
C331	1-126-301-11	ELECT 1MF	20% 50V	D305	8-719-404-46	DIODE MA110	
C332	1-124-584-00	ELECT 100MF	20% 10V	D306	8-719-158-15	DIODE RD5.6SB	
C333	1-163-037-11	CERAMIC CHIP 0.022MF	10% 25V	D307	8-719-404-46	DIODE MA110	
C334	1-137-491-11	FILM CHIP 0.1MF	5% 25V	D310	8-719-158-15	DIODE RD5.6SB	
C335	1-136-169-00	FILM 0.22MF	5% 50V	D312	8-719-404-46	DIODE MA110	
C336	1-126-301-11	ELECT 1MF	20% 50V	D313	8-719-404-46	DIODE MA110	
C337	1-126-301-11	ELECT 1MF	20% 50V	D314	8-719-404-46	DIODE MA110	
C338	1-124-584-00	ELECT 100MF	20% 10V	D315	8-719-404-46	DIODE MA110	
C339	1-126-801-11	ELECT 1MF	20% 50V	D316	8-719-404-46	DIODE MA110	
C340	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V	D317	8-719-404-46	DIODE MA110	
C341	1-126-157-11	ELECT 10MF	20% 16V	D318	8-719-404-46	DIODE MA110	
C342	1-124-465-00	ELECT 0.47MF	20% 50V				
C343	1-124-589-11	ELECT 47MF	20% 16V	<DELAY LINE>			
C344	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	DL302	1-415-817-11	DELAY LINE	
C346	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	<IC>			
C348	1-163-117-00	CERAMIC CHIP 100PF	5% 50V	IC301	8-752-058-68	IC CXA1315M	
C350	1-126-301-11	ELECT 1MF	20% 50V	IC302	8-752-057-68	IC CXA1464AS	
C351	1-163-002-11	CERAMIC CHIP 270PF	10% 50V	<COIL>			
C352	1-164-489-11	CERAMIC CHIP 0.22MF	10% 16V	L301	1-410-064-11	INDUCTOR 2.7MMH	
C353	1-126-163-11	ELECT 4.7MF	20% 50V	L307	1-410-944-31	INDUCTOR CHIP 15UH	
C355	1-124-465-00	ELECT 0.47MF	20% 50V	L308	1-410-946-31	INDUCTOR CHIP 22UH	
C356	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V	<TRANSISTOR>			
C357	1-163-117-00	CERAMIC CHIP 100PF	5% 50V	Q301	8-729-925-79	TRANSISTOR 1MX3	
C360	1-137-491-11	FILM CHIP 0.1MF	5% 25V	Q302	8-729-925-79	TRANSISTOR 1MX3	
C361	1-126-301-11	ELECT 1MF	20% 50V	Q303	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
C362	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V				
C363	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V				
C364	1-126-301-11	ELECT 1MF	20% 50V				
C365	1-164-343-11	CERAMIC CHIP 0.056MF	10% 25V				



REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
Q304	8-729-907-46	TRANSISTOR 1MZ1		R352	1-216-011-00	METAL GLAZE 27	5% 1/10W
Q305	8-729-925-79	TRANSISTOR 1MX3		R353	1-216-001-00	METAL GLAZE 10	5% 1/10W
Q306	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R354	1-216-049-00	METAL GLAZE 1K	5% 1/10W
Q307	8-729-903-10	TRANSISTOR FMW1		R355	1-216-001-00	METAL GLAZE 10	5% 1/10W
Q309	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R356	1-216-001-00	METAL GLAZE 10	5% 1/10W
Q310	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R357	1-216-049-00	METAL GLAZE 1K	5% 1/10W
Q311	8-729-403-27	TRANSISTOR XN4401		R358	1-216-049-00	METAL GLAZE 1K	5% 1/10W
Q312	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R359	1-216-049-00	METAL GLAZE 1K	5% 1/10W
Q314	8-729-403-27	TRANSISTOR XN4401		R360	1-216-119-00	METAL GLAZE 820K	5% 1/10W
Q315	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R361	1-216-025-00	METAL GLAZE 100	5% 1/10W
Q316	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R362	1-216-079-00	METAL GLAZE 18K	5% 1/10W
Q317	8-729-216-22	TRANSISTOR 2SA1162-G		R363	1-216-295-00	METAL GLAZE 0	5% 1/10W
Q321	8-729-925-79	TRANSISTOR 1MX3		R364	1-216-045-00	METAL GLAZE 680	5% 1/10W
Q322	8-729-216-22	TRANSISTOR 2SA1162-G		R365	1-216-017-00	METAL GLAZE 47	5% 1/10W
Q323	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R366	1-216-001-00	METAL GLAZE 10	5% 1/10W
Q324	8-729-216-22	TRANSISTOR 2SA1162-G		R367	1-216-045-00	METAL GLAZE 680	5% 1/10W
Q325	8-729-216-22	TRANSISTOR 2SA1162-G		R368	1-216-001-00	METAL GLAZE 10	5% 1/10W
Q326	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R369	1-216-033-00	METAL GLAZE 220	5% 1/10W
Q327	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R370	1-216-033-00	METAL GLAZE 220	5% 1/10W
Q328	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R371	1-216-033-00	METAL GLAZE 220	5% 1/10W
Q333	8-729-925-79	TRANSISTOR 1MX3		R372	1-216-031-00	METAL GLAZE 180	5% 1/10W
Q334	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R373	1-216-671-11	METAL CHIP 6.8K	0.50% 1/10W
Q335	8-729-907-46	TRANSISTOR 1MZ1		R374	1-216-037-00	METAL GLAZE 330	5% 1/10W
Q340	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R375	1-216-037-00	METAL GLAZE 330	5% 1/10W
Q342	8-729-925-79	TRANSISTOR 1MX3		R376	1-216-037-00	METAL GLAZE 330	5% 1/10W
Q344	8-729-216-22	TRANSISTOR 2SA1162-G		R377	1-216-033-00	METAL GLAZE 220	5% 1/10W
<RESISTOR>				R378	1-216-033-00	METAL GLAZE 220	5% 1/10W
R301	1-216-025-00	METAL GLAZE 100	5% 1/10W	R379	1-216-033-00	METAL GLAZE 220	5% 1/10W
R302	1-216-057-00	METAL GLAZE 2.2K	5% 1/10W	R380	1-216-033-00	METAL GLAZE 220	5% 1/10W
R303	1-216-079-00	METAL GLAZE 18K	5% 1/10W	R381	1-216-033-00	METAL GLAZE 220	5% 1/10W
R304	1-216-081-00	METAL GLAZE 22K	5% 1/10W	R382	1-216-033-00	METAL GLAZE 220	5% 1/10W
R305	1-216-069-00	METAL GLAZE 6.8K	5% 1/10W	R383	1-216-653-11	METAL CHIP 1.2K	0.50% 1/10W
R306	1-216-081-00	METAL GLAZE 22K	5% 1/10W	R384	1-216-041-00	METAL GLAZE 470	5% 1/10W
R307	1-216-089-00	METAL GLAZE 47K	5% 1/10W	R385	1-216-081-00	METAL GLAZE 22K	5% 1/10W
R308	1-216-037-00	METAL GLAZE 330	5% 1/10W	R386	1-216-687-11	METAL CHIP 33K	0.50% 1/10W
R309	1-216-073-00	METAL GLAZE 10K	5% 1/10W	R387	1-216-033-00	METAL GLAZE 220	5% 1/10W
R310	1-216-065-00	METAL GLAZE 4.7K	5% 1/10W	R388	1-216-033-00	METAL GLAZE 220	5% 1/10W
R312	1-216-043-00	METAL GLAZE 560	5% 1/10W	R389	1-216-081-00	METAL GLAZE 22K	5% 1/10W
R313	1-216-035-00	METAL GLAZE 270	5% 1/10W	R390	1-216-033-00	METAL GLAZE 220	5% 1/10W
R314	1-216-061-00	METAL GLAZE 3.3K	5% 1/10W	R391	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R316	1-216-035-00	METAL GLAZE 270	5% 1/10W	R393	1-216-051-00	METAL GLAZE 1.2K	5% 1/10W
R317	1-216-121-00	METAL GLAZE 1M	5% 1/10W	R394	1-216-109-00	METAL GLAZE 330K	5% 1/10W
R320	1-216-039-00	METAL GLAZE 390	5% 1/10W	R395	1-216-071-00	METAL GLAZE 8.2K	5% 1/10W
R325	1-216-033-00	METAL GLAZE 220	5% 1/10W	R397	1-216-081-00	METAL GLAZE 22K	5% 1/10W
R326	1-216-057-00	METAL GLAZE 2.2K	5% 1/10W	R398	1-216-081-00	METAL GLAZE 22K	5% 1/10W
R331	1-216-017-00	METAL GLAZE 47	5% 1/10W	R399	1-216-077-00	METAL GLAZE 15K	5% 1/10W
R332	1-216-657-11	METAL CHIP 1.8K	0.50% 1/10W	R1301	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R333	1-216-051-00	METAL GLAZE 1.2K	5% 1/10W	R1302	1-216-045-00	METAL GLAZE 680	5% 1/10W
R336	1-216-047-00	METAL GLAZE 820	5% 1/10W	R1303	1-216-085-00	METAL GLAZE 33K	5% 1/10W
R338	1-216-043-00	METAL GLAZE 560	5% 1/10W	R1304	1-216-081-00	METAL GLAZE 22K	5% 1/10W
R339	1-216-047-00	METAL GLAZE 820	5% 1/10W	R1305	1-216-025-00	METAL GLAZE 100	5% 1/10W
R340	1-216-651-11	METAL CHIP 1K	0.50% 1/10W	R1306	1-216-057-00	METAL GLAZE 2.2K	5% 1/10W
R341	1-216-043-00	METAL GLAZE 560	5% 1/10W	R1307	1-216-073-00	METAL GLAZE 10K	5% 1/10W
R343	1-216-077-00	METAL GLAZE 15K	5% 1/10W	R1308	1-216-065-00	METAL GLAZE 4.7K	5% 1/10W
R344	1-216-081-00	METAL GLAZE 22K	5% 1/10W	R1309	1-216-025-00	METAL GLAZE 100	5% 1/10W
R345	1-216-292-11	METAL GLAZE 8.2M	5% 1/8W	R1310	1-216-045-00	METAL GLAZE 680	5% 1/10W
R346	1-216-081-00	METAL GLAZE 22K	5% 1/10W	R1311	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R347	1-216-081-00	METAL GLAZE 22K	5% 1/10W	R1312	1-216-073-00	METAL GLAZE 10K	5% 1/10W
R348	1-216-049-00	METAL GLAZE 1K	5% 1/10W	R1313	1-216-081-00	METAL GLAZE 22K	5% 1/10W
R349	1-216-295-00	METAL GLAZE 0	5% 1/10W	R1314	1-216-065-00	METAL GLAZE 4.7K	5% 1/10W
R350	1-216-089-00	METAL GLAZE 47K	5% 1/10W	R1315	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R351	1-216-674-11	METAL CHIP 9.1K	0.50% 1/10W	R1316	1-216-081-00	METAL GLAZE 22K	5% 1/10W
				R1317	1-216-073-00	METAL GLAZE 10K	5% 1/10W

E1 Y2

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
R1318	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W		*A-1394-532-A	Y2 BOARD, COMPLETE	
R1319	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W			*****	
R1320	1-216-063-00	METAL GLAZE	3.9K 5% 1/10W				
R1321	1-216-081-00	METAL GLAZE	22K 5% 1/10W				
R1322	1-216-061-00	METAL GLAZE	3.3K 5% 1/10W				
						<CAPACITOR>	
R1323	1-216-089-00	METAL GLAZE	47K 5% 1/10W	C401	1-124-234-00	ELECT	22MF 20% 16V
R1324	1-216-045-00	METAL GLAZE	680 5% 1/10W	C424	1-126-301-11	ELECT	1MF 20% 50V
R1325	1-216-025-00	METAL GLAZE	100 5% 1/10W	C425	1-126-301-11	ELECT	1MF 20% 50V
R1326	1-216-073-00	METAL GLAZE	10K 5% 1/10W	C426	1-126-301-11	ELECT	1MF 20% 50V
R1327	1-216-033-00	METAL GLAZE	220 5% 1/10W	C427	1-124-465-00	ELECT	0.47MF 20% 50V
R1328	1-216-033-00	METAL GLAZE	220 5% 1/10W	C428	1-126-163-11	ELECT	4.7MF 20% 50V
R1329	1-216-077-00	METAL GLAZE	15K 5% 1/10W	C429	1-124-478-11	ELECT	100MF 20% 25V
R1330	1-216-081-00	METAL GLAZE	22K 5% 1/10W	C430	1-124-261-00	ELECT	10MF 20% 50V
R1331	1-216-081-00	METAL GLAZE	22K 5% 1/10W	C431	1-126-301-11	ELECT	1MF 20% 50V
R1333	1-216-129-00	METAL GLAZE	2.2M 5% 1/10W	C432	1-126-301-11	ELECT	1MF 20% 50V
R1342	1-216-033-00	METAL GLAZE	220 5% 1/10W	C433	1-131-347-00	TANTALUM	1MF 20% 16V
R1346	1-216-049-00	METAL GLAZE	1K 5% 1/10W	C434	1-126-301-11	ELECT	1MF 20% 50V
R1347	1-216-049-00	METAL GLAZE	1K 5% 1/10W	C435	1-130-994-11	FILM	0.033MF 5% 50V
R1348	1-216-049-00	METAL GLAZE	1K 5% 1/10W	C436	1-126-301-11	ELECT	1MF 20% 50V
R1349	1-216-073-00	METAL GLAZE	10K 5% 1/10W	C437	1-137-372-11	FILM	0.022MF 5% 50V
R1350	1-216-091-00	METAL GLAZE	56K 5% 1/10W	C438	1-126-301-11	ELECT	1MF 20% 50V
R1352	1-216-039-00	METAL GLAZE	390 5% 1/10W	C439	1-104-792-51	ELECT	33MF 20% 16V
R1353	1-216-053-00	METAL GLAZE	1.5K 5% 1/10W	C440	1-126-301-11	ELECT	1MF 20% 50V
R1354	1-216-081-00	METAL GLAZE	22K 5% 1/10W	C441	1-126-301-11	ELECT	1MF 20% 50V
R1355	1-216-017-00	METAL GLAZE	47 5% 1/10W	C442	1-124-261-00	ELECT	10MF 20% 50V
R1356	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W	C443	1-124-589-11	ELECT	47MF 20% 16V
R1357	1-216-081-00	METAL GLAZE	22K 5% 1/10W	C444	1-126-163-11	ELECT	4.7MF 20% 50V
R1358	1-216-033-00	METAL GLAZE	220 5% 1/10W	C445	1-126-163-11	ELECT	4.7MF 20% 50V
R1362	1-216-105-00	METAL GLAZE	220K 5% 1/10W	C446	1-124-234-00	ELECT	22MF 20% 16V
R1363	1-216-041-00	METAL GLAZE	470 5% 1/10W	C447	1-126-301-11	ELECT	1MF 20% 50V
R1364	1-216-053-00	METAL GLAZE	1.5K 5% 1/10W	C448	1-136-170-00	FILM	0.27MF 5% 50V
R1373	1-216-049-00	METAL GLAZE	1K 5% 1/10W	C449	1-163-009-11	CERAMIC CHIP	0.001MF 10% 50V
R1374	1-216-025-00	METAL GLAZE	100 5% 1/10W	C450	1-137-366-11	FILM	0.0022MF 5% 50V
R1379	1-216-079-00	METAL GLAZE	18K 5% 1/10W	C451	1-124-261-00	ELECT	10MF 20% 50V
R1380	1-216-075-00	METAL GLAZE	12K 5% 1/10W	C452	1-124-261-00	ELECT	10MF 20% 50V
R1381	1-216-041-00	METAL GLAZE	470 5% 1/10W	C453	1-137-366-11	FILM	0.0022MF 5% 50V
R1382	1-216-079-00	METAL GLAZE	18K 5% 1/10W	C454	1-131-368-00	TANTALUM	3.3MF 10% 16V
R1383	1-216-077-00	METAL GLAZE	15K 5% 1/10W	C455	1-131-347-00	TANTALUM	1MF 20% 16V
R1384	1-216-049-00	METAL GLAZE	1K 5% 1/10W	C456	1-136-171-00	FILM	0.33MF 5% 50V
R1385	1-216-037-00	METAL GLAZE	330 5% 1/10W	C457	1-136-175-00	FILM	0.68MF 5% 50V
R1386	1-216-037-00	METAL GLAZE	330 5% 1/10W	C458	1-126-101-11	ELECT	100MF 20% 16V
R1387	1-216-045-00	METAL GLAZE	680 5% 1/10W	C459	1-126-101-11	ELECT	100MF 20% 16V
R1388	1-216-001-00	METAL GLAZE	10 5% 1/10W	C460	1-126-101-11	ELECT	100MF 20% 16V
R1389	1-216-097-00	METAL GLAZE	100K 5% 1/10W	C461	1-124-499-11	ELECT	1MF 20% 50V
R1390	1-216-097-00	METAL GLAZE	100K 5% 1/10W	C462	1-124-499-11	ELECT	1MF 20% 50V
R1391	1-216-097-00	METAL GLAZE	100K 5% 1/10W	C465	1-130-485-00	MYLAR	0.015MF 5% 50V
R1392	1-216-081-00	METAL GLAZE	22K 5% 1/10W	C466	1-130-485-00	MYLAR	0.015MF 5% 50V
R1394	1-216-081-00	METAL GLAZE	22K 5% 1/10W	C467	1-136-169-00	FILM	0.22MF 5% 50V
R1395	1-216-081-00	METAL GLAZE	22K 5% 1/10W	C468	1-136-169-00	FILM	0.22MF 5% 50V
R1396	1-216-125-00	METAL GLAZE	1.5M 5% 1/10W	C469	1-126-157-11	ELECT	10MF 20% 16V
R1399	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	C470	1-126-157-11	ELECT	10MF 20% 16V
R5301	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W	C471	1-124-589-11	ELECT	47MF 20% 16V
R5302	1-216-073-00	METAL GLAZE	10K 5% 1/10W	C472	1-164-232-11	CERAMIC CHIP	0.01MF 10% 50V
R5303	1-216-073-00	METAL GLAZE	10K 5% 1/10W	C473	1-164-232-11	CERAMIC CHIP	0.01MF 10% 50V
R5304	1-216-085-00	METAL GLAZE	33K 5% 1/10W	C474	1-124-234-00	ELECT	22MF 20% 16V
R5305	1-216-085-00	METAL GLAZE	33K 5% 1/10W	C475	1-164-232-11	CERAMIC CHIP	0.01MF 10% 50V
				C476	1-124-234-00	ELECT	22MF 20% 16V
				C477	1-164-232-11	CERAMIC CHIP	0.01MF 10% 50V
				C478	1-124-478-11	ELECT	100MF 20% 25V
				C479	1-126-163-11	ELECT	4.7MF 20% 50V
X301	1-567-505-11	OSCILLATOR, CRYSTAL		C480	1-124-768-11	ELECT	4.7MF 20% 50V
				C481	1-124-768-11	ELECT	4.7MF 20% 50V
				C482	1-126-163-11	ELECT	4.7MF 20% 50V
				C483	1-163-113-00	CERAMIC CHIP	68PF 5% 50V



REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
C484	1-163-113-00	CERAMIC CHIP 68PF	5% 50V	R496	1-216-025-00	METAL GLAZE	100 5% 1/10W
C485	1-163-038-00	CERAMIC CHIP 0.1MF	25V	R497	1-216-033-00	METAL GLAZE	220 5% 1/10W
C487	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	R498	1-216-025-00	METAL GLAZE	100 5% 1/10W
C488	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	R499	1-216-025-00	METAL GLAZE	100 5% 1/10W
<CONNECTOR>				R500	1-216-081-00	METAL GLAZE	22K 5% 1/10W
Y2-401	1-573-966-11	PIN, CONNECTOR (PC BOARD)	36P	R501	1-216-669-11	METAL CHIP	5.6K 0.50% 1/10W
<DIODE>				R502	1-216-033-00	METAL GLAZE	220 5% 1/10W
D405	8-719-107-13	DIODE RD18M-B1		R503	1-216-663-11	METAL CHIP	3.3K 0.50% 1/10W
D406	8-719-107-13	DIODE RD18M-B1		R504	1-216-675-11	METAL CHIP	10K 0.50% 1/10W
D407	8-719-107-13	DIODE RD18M-B1		R507	1-216-295-00	METAL GLAZE	0 5% 1/10W
D408	8-719-105-83	DIODE RD5.1M-B3		R509	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
D409	8-719-981-50	DIODE RB-100A		R510	1-216-061-00	METAL GLAZE	3.3K 5% 1/10W
D410	8-719-981-50	DIODE RB-100A		R512	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
D413	8-719-158-19	DIODE RD6.2SB		R513	1-216-667-11	METAL CHIP	4.7K 0.50% 1/10W
D414	8-719-158-55	DIODE RD15SB		R515	1-216-295-00	METAL GLAZE	0 5% 1/10W
D415	8-719-158-55	DIODE RD15SB		R517	1-216-025-00	METAL GLAZE	100 5% 1/10W
<IC>				R518	1-216-089-00	METAL GLAZE	47K 5% 1/10W
IC403	8-759-996-43	IC RC4558PS		R519	1-216-295-00	METAL GLAZE	0 5% 1/10W
IC404	8-759-067-24	IC 24C04A1/P		R521	1-216-061-00	METAL GLAZE	3.3K 5% 1/10W
IC406	8-752-037-24	IC CXA1264AS		R522	1-216-033-00	METAL GLAZE	220 5% 1/10W
IC407	8-759-245-75	IC TA8184P		R523	1-216-033-00	METAL GLAZE	220 5% 1/10W
IC408	8-752-057-18	IC CXA1315P		R524	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
<TRANSISTOR>				R525	1-216-067-00	METAL GLAZE	5.6K 5% 1/10W
Q404	8-729-216-22	TRANSISTOR 2SA1162-G		R526	1-216-049-00	METAL GLAZE	1K 5% 1/10W
Q405	8-729-216-22	TRANSISTOR 2SA1162-G		R527	1-218-754-11	METAL CHIP	120K 0.50% 1/10W
Q409	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R528	1-216-691-11	METAL CHIP	47K 0.50% 1/10W
Q410	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R529	1-216-097-00	METAL GLAZE	100K 5% 1/10W
<RESISTOR>				R531	1-216-097-00	METAL GLAZE	100K 5% 1/10W
R447	1-216-033-00	METAL GLAZE	220 5% 1/10W	R532	1-216-097-00	METAL GLAZE	100K 5% 1/10W
R453	1-216-033-00	METAL GLAZE	220 5% 1/10W	R533	1-216-097-00	METAL GLAZE	100K 5% 1/10W
R464	1-216-081-00	METAL GLAZE	22K 5% 1/10W	R535	1-216-049-00	METAL GLAZE	1K 5% 1/10W
R465	1-216-081-00	METAL GLAZE	22K 5% 1/10W	R536	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
R466	1-216-025-00	METAL GLAZE	100 5% 1/10W	R537	1-216-067-00	METAL GLAZE	5.6K 5% 1/10W
R467	1-216-033-00	METAL GLAZE	220 5% 1/10W	R538	1-218-754-11	METAL CHIP	120K 0.50% 1/10W
R468	1-216-033-00	METAL GLAZE	220 5% 1/10W	R539	1-216-691-11	METAL CHIP	47K 0.50% 1/10W
R469	1-216-055-00	METAL GLAZE	1 8K 5% 1/10W	R540	1-216-025-00	METAL GLAZE	100 5% 1/10W
R470	1-216-033-00	METAL GLAZE	220 5% 1/10W	R541	1-216-025-00	METAL GLAZE	100 5% 1/10W
R471	1-216-033-00	METAL GLAZE	220 5% 1/10W	R542	1-216-025-00	METAL GLAZE	100 5% 1/10W
R472	1-216-686-11	METAL CHIP	30K 0.50% 1/10W	R543	1-216-025-00	METAL GLAZE	100 5% 1/10W
R473	1-216-295-00	METAL GLAZE	0 5% 1/10W	R546	1-216-682-11	METAL CHIP	20K 0.50% 1/10W
R474	1-216-295-00	METAL GLAZE	0 5% 1/10W	R547	1-208-812-11	METAL CHIP	18K 0.50% 1/10W
R475	1-216-055-00	METAL GLAZE	1 8K 5% 1/10W	*****			
R476	1-216-669-11	METAL CHIP	5.6K 0.50% 1/10W	*A-1316-180-A G BOARD, COMPLETE			
R477	1-216 675-11	METAL CHIP	10K 0.50% 1/10W	*****			
R478	1-216-089-00	METAL GLAZE	47K 5% 1/10W	4-039-042-01 SPACER, INSULATING			
R479	1-216-669-11	METAL CHIP	5.6K 0.50% 1/10W	4-382-854-11 SCREW (M3X10), P, SW (+)			
R480	1-216-675-11	METAL CHIP	10K 0.50% 1/10W	<CAPACITOR>			
R481	1-216-089-00	METAL GLAZE	47K 5% 1/10W	C601	1-161-830-00	CERAMIC	4700PF 10% 500V
R482	1-216-089-00	METAL GLAZE	47K 5% 1/10W	C602	1-130-317-00	FILM	0.068MF 5% 100V
R483	1-216-089-00	METAL GLAZE	47K 5% 1/10W	C603	1-124-634-11	ELECT	1MF 20% 250V
R485	1-216-073-00	METAL GLAZE	10K 5% 1/10W	C605	1-164-143-11	CERAMIC	0.001MF 10% 1KV
R486	1-216-073-00	METAL GLAZE	10K 5% 1/10W	C606	1-124-563-11	ELECT	2200MF 20% 25V
R488	1-216-295-00	METAL GLAZE	0 5% 1/10W	C607	1-124-563-11	ELECT	2200MF 20% 25V
R494	1-216-025-00	METAL GLAZE	100 5% 1/10W	C608	1-128-484-11	ELECT	100MF 20% 200V
R495	1-216-025-00	METAL GLAZE	100 5% 1/10W	C609	1-137-141-11	FILM	0.082MF 3% 600V
				C612	1-124-962-11	ELECT	2200MF 20% 25V
				C614	1-104-965-11	ELECT	10MF 0 160V
				C615	1-124-798-11	ELECT	1MF 20% 160V
				C616	1-124-557-11	ELECT	1000MF 20% 25V
				C617	1-164-143-11	CERAMIC	0.001MF 10% 1KV

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REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
C618	1-136-853-11	FILM	0.56MF 5%	200V	D616	8-719-025-81	DIODE S3V10SB
C619	1-164-735-11	CAP, CERAMIC	1500PF		D617	8-719-110-02	DIODE RD7.5ESB1
C620	1-136-721-21	FILM	1.5MF 10%	400V	D618	8-719-911-19	DIODE ISS119
C621	1-164-143-11	CERAMIC	0.001MF 10%	1KV	D619	8-719-975-76	DIODE SB140
C622	1-136-853-11	FILM	0.56MF 5%	200V	D620	8-719-988-31	DIODE D10SC6MR
C623	1-137-087-11	FILM	0.068MF 3%	0	D621	8-719-908-03	DIODE GP08D
C624	1-126-771-11	ELECT	100MF 20%	160V	D622	8-719-908-03	DIODE GP08D
C625	1-126-183-11	ELECT	1000MF 20%	16V	D623	8-719-110-63	DIODE RD24ESB3
C626	1-126-373-11	ELECT	470MF 20%	10V	D624	8-719-109-89	DIODE RD5.6ESB2
C628	1-161-830-00	CERAMIC	4700PF 10%	500V	D626	8-719-908-03	DIODE GP08D
C629	1-128-550-11	ELECT	2200MF 20%	50V	D628	8-719-110-49	DIODE RD18ESB2
C631	1-126-803-11	ELECT	47MF 20%	50V	D629	8-719-911-19	DIODE ISS119
C632	1-124-903-11	ELECT	1MF 20%	50V	D631	8-719-911-19	DIODE ISS119
C633	1-130-483-00	MYLAR	0.01MF 5%	50V	D632	8-719-511-40	DIODE S1VB40
C634	1-126-803-11	ELECT	47MF 20%	16V	D633	Δ 8-719-505-60	DIODE S5VB60
C637	Δ 1-136-311-51	FILM	0.47MF 20%	125V	D634	8-719-911-19	DIODE ISS119
C638	Δ 1-161-743-71	CERAMIC	0.0047MF	400V	D636	8-719-109-85	DIODE RD5.1ESB2
C639	Δ 1-125-692-11	ELECT (BLOCK)	820MF 20%	200V	D638	8-719-911-19	DIODE ISS119
C640	Δ 1-136-311-51	FILM	0.47MF 20%	125V	D640	8-719-510-09	DIODE D10SC6M
C641	1-126-101-11	ELECT	100MF 20%	16V	D650	8-719-160-81	DIODE RD27FB2
C642	Δ 1-161-743-71	CERAMIC	0.0047MF	400V			<FUSE>
C644	1-126-104-11	ELECT	470MF 20%	35V	F601	Δ 1-576-193-11	FUSE 6.3A/125V
C646	1-124-907-11	ELECT	10MF 20%	50V		1-533-223-11	CLIP, FUSE; F601
C647	Δ 1-164-486-51	CERAMIC	0.0033MF 20%	400V			<FERRITE BEAD>
C648	Δ 1-125-692-11	ELECT (BLOCK)	820MF 20%	200V	FB602	1-410-397-21	FERRITE BEAD INDUCTOR 1.1UH
C649	Δ 1-164-486-51	CERAMIC	0.0033MF 20%	400V	FB604	1-410-396-41	FERRITE BEAD INDUCTOR 0.45UH
C650	Δ 1-161-743-71	CERAMIC	0.0047MF	400V	FB606	1-410-397-21	FERRITE BEAD INDUCTOR 1.1UH
C651	1-124-477-11	ELECT	47MF 20%	16V	FB607	1-410-397-21	FERRITE BEAD INDUCTOR 1.1UH
C652	1-102-074-00	CERAMIC	0.001MF 10%	50V	FB608	1-410-396-41	FERRITE BEAD INDUCTOR 0.45UH
C653	1-126-101-11	ELECT	100MF 20%	16V	FB612	1-410-397-21	FERRITE BEAD INDUCTOR 1.1UH
C660	1-102-125-00	CERAMIC	0.0047MF 10%	50V	FB622	1-410-397-21	FERRITE BEAD INDUCTOR 1.1UH
C661	1-102-125-00	CERAMIC	0.0047MF 10%	50V	FB630	1-410-396-41	FERRITE BEAD INDUCTOR 0.45UH
C662	1-124-927-11	ELECT	4.7MF 20%	50V	FB631	1-410-396-41	FERRITE BEAD INDUCTOR 0.45UH
C663	1-126-946-11	ELECT	6800MF 20%	16V			<IC>
C664	1-126-946-11	ELECT	6800MF 20%	16V	IC601	Δ 8-749-921-89	IC SE115N
C670	1-102-074-00	CERAMIC	0.001MF 10%	50V	IC602	8-759-231-58	IC TA7812S
							<COIL>
					L601	1-408-421-00	INDUCTOR 100UH
					L602	1-459-862-11	COIL, CHOKE 90UH
					L604	1-408-404-00	INDUCTOR 3.9UH
					L605	1-412-526-11	INDUCTOR 12UH
					L607	1-408-404-00	INDUCTOR 3.9UH
					L611	1-412-546-41	INDUCTOR 560UH
					L612	1-412-540-31	INDUCTOR 180UH
							<TRANSISTOR>
					Q603	8-729-011-15	TRANSISTOR 2SC4582NP
					Q604	8-729-119-80	TRANSISTOR 2SC2688-LK
					Q607	8-729-119-78	TRANSISTOR 2SC2785-HFE
					Q608	8-729-326-11	TRANSISTOR 2SC2611
					Q609	8-729-119-76	TRANSISTOR 2SA1175-HFE
					Q610	8-729-820-82	TRANSISTOR 2SA1208-S
					Q611	8-729-820-82	TRANSISTOR 2SA1208-S
					Q612	8-729-386-12	TRANSISTOR 2SB861-C
					Q613	8-729-209-15	TRANSISTOR 2SD2012

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REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
Q614	8-729-011-15	TRANSISTOR 2SC4582NP		R660	1-260-095-11	CARBON	470 5% 1/2W
Q615	8-729-820-82	TRANSISTOR 2SA1208-S		R661	Δ 1-202-884-91	SOLID	820K 20% 1/2W
Q616	8-729-017-05	TRANSISTOR 2SA1837		R662	Δ 1-205-900-11	WIREWOUND	1.2 5% 15W
Q618	8-729-119-76	TRANSISTOR 2SA1175-HFE		R663	Δ 1-215-904-71	METAL OXIDE	100K 5% 2W F
Q620	8-729-119-78	TRANSISTOR 2SC2785-HFE		R666	1-249-377-11	CARBON	0.47 5% 1/4W F
Q621	8-729-119-78	TRANSISTOR 2SC2785-HFE		R667	Δ 1-202-888-91	SOLID	2.2M 20% 1/2W
Q622	8-729-119-78	TRANSISTOR 2SC2785-HFE		R668	Δ 1-215-904-71	METAL OXIDE	100K 5% 2W F
Q623	8-729-119-76	TRANSISTOR 2SA1175-HFE		R669	1-249-377-11	CARBON	0.47 5% 1/4W F
Q624	8-729-119-76	TRANSISTOR 2SA1175-HFE		R675	1-249-377-11	CARBON	0.47 5% 1/4W F
Q625	8-729-119-78	TRANSISTOR 2SC2785-HFE		R676	1-247-887-00	CARBON	220K 5% 1/4W
Q626	8-729-119-78	TRANSISTOR 2SC2785-HFE		R677	1-249-441-11	CARBON	100K 5% 1/4W
Q627	8-729-119-78	TRANSISTOR 2SC2785-HFE		R678	1-249-433-11	CARBON	22K 5% 1/4W
Q629	8-729-378-84	TRANSISTOR 2SD788-5		R679	1-249-437-11	CARBON	47K 5% 1/4W
Q630	8-729-255-12	TRANSISTOR 2SC2551-0		R680	1-249-437-11	CARBON	47K 5% 1/4W
<RESISTOR>				R681	1-249-429-11	CARBON	10K 5% 1/4W
R604	1-202-933-61	FUSIBLE	0.1 10% 1/2W F	R682	1-249-429-11	CARBON	10K 5% 1/4W
R605	1-249-428-11	CARBON	8.2K 5% 1/4W	R683	1-249-437-11	CARBON	47K 5% 1/4W
R606	1-214-919-00	METAL	180K 1% 1/2W	R687	1-249-430-11	CARBON	12K 5% 1/4W F
R609	1-249-434-11	CARBON	27K 5% 1/4W F	R689	1-247-742-11	CARBON	180 5% 1/2W F
R610	1-215-469-00	METAL	100K 1% 1/4W	R691	1-249-433-11	CARBON	22K 5% 1/4W
R611	1-249-421-11	CARBON	2.2K 5% 1/4W F	R694	1-249-421-11	CARBON	2.2K 5% 1/4W
R612	1-202-883-11	SOLID	680K 20% 1/2W	R697	1-249-382-11	CARBON	1.2 5% 1/4W F
R613	Δ 1-216-386-71	METAL OXIDE	0.56 5% 3W F	R698	Δ 1-216-386-71	METAL OXIDE	0.56 5% 3W F
R614	1-249-418-11	CARBON	1.2K 5% 1/4W F	<RELAY>			
R615	1-215-441-00	METAL	6.8K 1% 1/4W	RY601	Δ 1-515-805-21	RELAY, POWER	
R616	1-215-436-00	METAL	4.3K 1% 1/4W	RY602	Δ 1-515-805-21	RELAY, POWER	
R617	Δ 1-216-356-71	METAL OXIDE	3.9 5% 1W F	<TRANSFORMER>			
R618	1-249-418-11	CARBON	1.2K 5% 1/4W	T601	Δ 1-426-664-11	TRANSFORMER, CONVERTER (PIT)	
R619	Δ 1-216-444-71	METAL OXIDE	82K 5% 1W F	T603	Δ 1-424-020-11	PRT	
R620	1-249-418-11	CARBON	1.2K 5% 1/4W F	T604	Δ 1-450-149-11	TRANSFORMER, HEATER	
R621	1-249-396-11	CARBON	18 5% 1/4W F	T605	Δ 1-424-023-12	TRANSFORMER, LINE FILTER	
R622	1-249-424-11	CARBON	3.9K 5% 1/4W F	T606	Δ 1-421-372-21	TRANSFORMER, FERRITE (LFT)	
R623	1-249-417-11	CARBON	1K 5% 1/4W	T608	Δ 1-423-665-11	TRANSFORMER, POWER	
R624	1-215-471-00	METAL	120K 1% 1/4W	<VARISTOR>			
R625	Δ 1-216-386-71	METAL OXIDE	0.56 5% 3W F	VDR601	Δ 1-809-786-11	VARISTOR	
R626	Δ 1-216-356-71	METAL OXIDE	3.9 5% 1W F	*****			
R627	1-202-883-11	SOLID	680K 20% 1/2W	*A-1331-337-A	CR BOARD, COMPLETE		
R628	1-249-410-11	CARBON	270 5% 1/4W F	*****			
R629	Δ 1-217-249-11	WIREWOUND	1 10% 3W F	4-373-933-01	SHEET (TRANSISTOR), BN		
R631	1-249-417-11	CARBON	1K 5% 1/4W F	4-382-854-11	SCREW (M3X10), P, SW (+)		
R632	1-215-469-00	METAL	100K 1% 1/4W	<CAPACITOR>			
R633	1-249-429-11	CARBON	10K 5% 1/4W	C701	1-162-115-00	CERAMIC	330PF 10% 2KV
R634	1-249-441-11	CARBON	100K 5% 1/4W	C702	1-123-948-00	ELECT	22MF 20% 250V
R635	1-215-897-11	METAL OXIDE	6.8K 5% 2W F	C703	1-102-050-00	CERAMIC	0.01MF 500V
R636	1-249-383-11	CARBON	1.2 5% 1/4W	C704	1-162-115-00	CERAMIC	330PF 10% 2KV
R638	1-249-405-11	CARBON	100 5% 1/4W F	C705	1-130-479-00	MYLAR	0.0047MF 5% 50V
R639	1-249-405-11	CARBON	100 5% 1/4W F	C706	1-101-006-00	CERAMIC	0.047MF 50V
R640	1-249-421-11	CARBON	2.2K 5% 1/4W F	C707	1-101-006-00	CERAMIC	0.047MF 50V
R641	1-249-429-11	CARBON	10K 5% 1/4W	C709	1-124-120-11	ELECT	220MF 20% 16V
R642	1-215-422-00	METAL	1.1K 1% 1/4W	C711	1-164-081-11	CERAMIC	470PF 10% 50V
R643	1-249-441-11	CARBON	100K 5% 1/4W	<CONNECTOR>			
R644	1-249-415-11	CARBON	680 5% 1/4W	CR1	1-508-784-00	PIN, CONNECTOR (5MM PITCH) 1P	
R645	1-249-417-11	CARBON	1K 5% 1/4W				
R646	1-215-446-00	METAL	11K 1% 1/4W				
R649	1-249-424-11	CARBON	3.9K 5% 1/4W				
R650	1-249-377-11	CARBON	0.47 5% 1/4W F				
R651	1-215-429-00	METAL	2.2K 1% 1/4W				
Δ R652	Δ	METAL	1/4W				
R654	1-215-429-00	METAL	2.2K 1% 1/4W				
R655	1-249-426-11	CARBON	5.6K 5% 1/4W				
R656	1-215-454-00	METAL	24K 1% 1/4W				
R657	Δ 1-216-386-71	METAL OXIDE	0.56 5% 3W F				

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

CR CG

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
shading and mark Δ are critical
for safety
Replace only with part number
specified.

REF. NO.	PART NO.	DESCRIPTION	REMARK
CR3	*1-508-765-00	PIN, CONNECTOR (5MM PITCH) 3P	
CR4	*1-564-511-11	PLUG, CONNECTOR 8P	
CR15	*1-564-508-11	PLUG, CONNECTOR 5P	
<SOCKET>			
CRT701	Δ 1-251-179-11	SOCKET, PICTURE TUBE	
<DIODE>			
D701	8-719-911-19	DIODE 1SS119	
D702	8-719-911-19	DIODE 1SS119	
D703	8-719-911-19	DIODE 1SS119	
D704	8-719-911-19	DIODE 1SS119	
D705	8-719-911-19	DIODE 1SS119	
D706	8-719-911-19	DIODE 1SS119	
D708	1-249-410-11	CARBON	270 5% 1/4W
<COIL>			
L701	1-408-429-00	INDUCTOR	470UH
L702	1-249-470-11	CARBON	0.47 5% 1/2W F
L704	1-408-413-00	INDUCTOR	22UH
<NEON LAMP>			
NL701	1-519-108-99	LAMP, NEON	
<TRANSISTOR>			
Q702	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q703	8-729-119-80	TRANSISTOR 2SC2688-LK	
Q704	8-729-255-12	TRANSISTOR 2SC2551-0	
Q705	8-729-200-17	TRANSISTOR 2SA1091-0	
Q706	8-729-200-17	TRANSISTOR 2SA1091-0	
<RESISTOR>			
R701	1-202-847-00	SOLID	560K 20% 1/2W
R702	1-202-814-11	SOLID	33K 20% 1/2W
R705	1-202-828-11	SOLID	6.8K 20% 1/2W
R706	1-202-561-00	SOLID	330 20% 1/2W
R708	1-249-405-11	CARBON	100 5% 1/4W F
R709	1-249-405-11	CARBON	100 5% 1/4W F
R710	Δ 1-215-927-71	METAL OXIDE	47K 5% 3W F
R711	1-249-405-11	CARBON	100 5% 1/4W F
R712	1-249-421-11	CARBON	2.2K 5% 1/4W F
R714	1-249-401-11	CARBON	47 5% 1/4W
R716	1-247-807-31	CARBON	100 5% 1/4W
R717	1-249-403-11	CARBON	68 5% 1/4W
R718	1-249-412-11	CARBON	390 5% 1/4W
R719	1-249-410-11	CARBON	270 5% 1/4W
R722	1-215-399-00	METAL	120 1% 1/4W
R724	1-215-409-00	METAL	330 1% 1/4W
R726	1-215-924-00	METAL OXIDE	15K 5% 3W F
R727	1-216-488-11	METAL OXIDE	18K 5% 3W F
<SPARK GAP>			
SG702	1-519-422-11	GAP, SPARK	

REF. NO.	PART NO.	DESCRIPTION	REMARK
*A-1331-338-A		CG BOARD, COMPLETE *****	
4-373-933-01		SHEET (TRANSISTOR), BN	
4-382-854-11		SCREW (M3X10), P, SW (+)	
<CAPACITOR>			
C731	1-162-115-00	CERAMIC	330PF 10% 2KV
C732	1-123-948-00	ELECT	22MF 20% 250V
C733	1-102-050-00	CERAMIC	0.01MF 500V
C734	1-162-115-00	CERAMIC	330PF 10% 2KV
C735	1-130-479-00	MYLAR	0.0047MF 5% 50V
C736	1-101-006-00	CERAMIC	0.047MF 50V
C737	1-101-006-00	CERAMIC	0.047MF 50V
C739	1-124-120-11	ELECT	220MF 20% 16V
C741	1-164-081-11	CERAMIC	470PF 10% 50V
<CONNECTOR>			
CG1	1-508-784-00	PIN, CONNECTOR (5MM PITCH) 1P	
CG3	*1-508-765-00	PIN, CONNECTOR (5MM PITCH) 3P	
CG16	*1-564-508-11	PLUG, CONNECTOR 5P	
<SOCKET>			
CRT731	Δ 1-251-179-11	SOCKET, PICTURE TUBE	
<DIODE>			
D731	8-719-911-19	DIODE 1SS119	
D732	8-719-911-19	DIODE 1SS119	
D733	8-719-911-19	DIODE 1SS119	
D734	8-719-911-19	DIODE 1SS119	
D735	8-719-911-19	DIODE 1SS119	
D736	8-719-911-19	DIODE 1SS119	
D737	8-719-911-19	DIODE 1SS119	
<COIL>			
L731	1-408-429-00	INDUCTOR	470UH
L732	1-249-470-11	CARBON	0.47 5% 1/2W F
L734	1-408-413-00	INDUCTOR	22UH
<NEON LAMP>			
NL731	1-519-108-99	LAMP, NEON	
<TRANSISTOR>			
Q732	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q733	8-729-119-80	TRANSISTOR 2SC2688-LK	
Q734	8-729-255-12	TRANSISTOR 2SC2551-0	
Q735	8-729-200-17	TRANSISTOR 2SA1091-0	
Q736	8-729-200-17	TRANSISTOR 2SA1091-0	
<RESISTOR>			
R731	1-202-847-00	SOLID	560K 20% 1/2W
R732	1-202-814-11	SOLID	33K 20% 1/2W
R735	1-202-828-11	SOLID	6.8K 20% 1/2W
R736	1-202-561-00	SOLID	330 20% 1/2W
R738	1-249-405-11	CARBON	100 5% 1/4W F
R739	1-249-405-11	CARBON	100 5% 1/4W F
R740	Δ 1-215-927-71	METAL OXIDE	47K 5% 3W F

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CG **CB** **DS**

REF. NO.	PART NO.	DESCRIPTION	REMARK
R741	1-249-405-11	CARBON 100 5% 1/4W	F
R742	1-249-421-11	CARBON 2.2K 5% 1/4W	F
R744	1-249-401-11	CARBON 47 5% 1/4W	
R745	1-215-455-00	METAL 27K 1% 1/4W	
R746	1-247-807-31	CARBON 100 5% 1/4W	
R747	1-249-403-11	CARBON 68 5% 1/4W	
R748	1-249-412-11	CARBON 390 5% 1/4W	
R749	1-249-410-11	CARBON 270 5% 1/4W	
R752	1-215-399-00	METAL 120 1% 1/4W	
R754	1-215-409-00	METAL 330 1% 1/4W	
R756	1-215-924-00	METAL OXIDE 15K 5% 3W	F
R757	1-216-488-11	METAL OXIDE 18K 5% 3W	F
<SPARK GAP>			
SG732	1-519-422-11	GAP, SPARK	

*A-1331-339-A	CB BOARD, COMPLETE		

4-373-933-01	SHEET (TRANSISTOR), BN		
4-382-854-11	SCREW (M3X10), P, SW (+)		
<CAPACITOR>			
C761	1-162-115-00	CERAMIC 330PF 10% 2KV	
C762	1-123-948-00	ELECT 22MF 20% 250V	
C763	1-102-050-00	CERAMIC 0.01MF 500V	
C764	1-162-115-00	CERAMIC 330PF 10% 2KV	
C765	1-130-479-00	MYLAR 0.0047MF 5% 50V	
C766	1-101-006-00	CERAMIC 0.047MF 50V	
C767	1-101-006-00	CERAMIC 0.047MF 50V	
C769	1-124-120-11	ELECT 220MF 20% 16V	
C771	1-164-081-11	CERAMIC 470PF 10% 50V	
<CONNECTOR>			
CB1	1-508-784-00	PIN, CONNECTOR (5MM PITCH) 1P	
CB3	*1-508-765-00	PIN, CONNECTOR (5MM PITCH) 3P	
CB4	*1-564-511-11	PLUG, CONNECTOR 8P	
CB5	*1-564-511-61	PLUG, CONNECTOR 8P	
CB17	*1-564-508-11	PLUG, CONNECTOR 5P	
<SOCKET>			
CRT761	Δ 1-251-179-11	SOCKET, PICTURE TUBE	
<DIODE>			
D761	8-719-911-19	DIODE 1SS119	
D762	8-719-911-19	DIODE 1SS119	
D763	8-719-911-19	DIODE 1SS119	
D764	8-719-911-19	DIODE 1SS119	
D765	8-719-911-19	DIODE 1SS119	
D766	8-719-911-19	DIODE 1SS119	
D768	8-719-911-19	DIODE 1SS119	
D769	8-719-109-81	DIODE RD4.7ESB2	
<COIL>			
L761	1-408-429-00	INDUCTOR 470UH	
L762	1-249-470-11	CARBON 0.47 5% 1/2W	F
L764	1-408-413-00	INDUCTOR 22UH	

REF. NO.	PART NO.	DESCRIPTION	REMARK
<NEON LAMP>			
NL761	1-519-108-99	LAMP, NEON	
<TRANSISTOR>			
Q762	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q763	8-729-119-80	TRANSISTOR 2SC2688-LK	
Q764	8-729-255-12	TRANSISTOR 2SC2551-0	
Q765	8-729-200-17	TRANSISTOR 2SA1091-0	
Q766	8-729-200-17	TRANSISTOR 2SA1091-0	
<RESISTOR>			
R761	1-202-847-00	SOLID 560K 20% 1/2W	
R762	1-202-814-11	SOLID 33K 20% 1/2W	
R764	1-202-842-11	SOLID 220K 20% 1/2W	
R765	1-202-828-11	SOLID 6.8K 20% 1/2W	
R766	1-202-561-00	SOLID 330 20% 1/2W	
R768	1-249-405-11	CARBON 100 5% 1/4W	F
R769	1-249-405-11	CARBON 100 5% 1/4W	F
R770	Δ 1-215-927-71	METAL OXIDE 47K 5% 3W	F
R771	1-249-405-11	CARBON 100 5% 1/4W	F
R772	1-249-421-11	CARBON 2.2K 5% 1/4W	F
R773	1-249-413-11	CARBON 470 5% 1/4W	
R774	1-249-401-11	CARBON 47 5% 1/4W	
R776	1-247-807-31	CARBON 100 5% 1/4W	
R777	1-249-403-11	CARBON 68 5% 1/4W	
R778	1-249-412-11	CARBON 390 5% 1/4W	
R779	1-249-414-11	CARBON 560 5% 1/4W	
R782	1-215-399-00	METAL 120 1% 1/4W	
R784	1-215-409-00	METAL 330 1% 1/4W	
R785	1-215-418-00	METAL 750 1% 1/4W	
R786	1-215-924-00	METAL OXIDE 15K 5% 3W	F
R787	1-216-488-11	METAL OXIDE 18K 5% 3W	F
<SPARK GAP>			
SG762	1-519-422-11	GAP, SPARK	

*1-650-883-11	DS BOARD		

<CAPACITOR>			
C1841	1-126-233-11	ELECT 22MF 20% 25V	
C1842	1-126-233-11	ELECT 22MF 20% 25V	
<CONNECTOR>			
DS6	1-691-182-11	CONNECTOR (BOARD TO BOARD) 12P	
<DIODE>			
D1841	8-719-911-19	DIODE 1SS119	
D1842	8-719-911-19	DIODE 1SS119	
D1843	8-719-911-19	DIODE 1SS119	
D1844	8-719-911-19	DIODE 1SS119	
<IC>			
IC1801	8-759-183-37	IC CA0007AD	



REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
<RESISTOR>				C1717	1-126-803-11	ELECT	47MF 20% 25V
R1841	1-215-441-00	METAL	6.8K 1% 1/4W	C1718	1-131-353-00	TANTALUM	10MF 10% 25V
R1842	1-215-455-00	METAL	27K 1% 1/4W	C1719	1-126-233-11	ELECT	22MF 20% 25V
R1844	1-215-445-00	METAL	10K 1% 1/4W	C1720	1-130-491-00	MYLAR	0.047MF 5% 50V
R1850	1-215-429-00	METAL	2.2K 1% 1/4W	C1721	1-130-491-00	MYLAR	0.047MF 5% 50V
R1851	1-215-421-00	METAL	1K 1% 1/4W	C1722	1-130-491-00	MYLAR	0.047MF 5% 50V
*****				C1724	1-126-233-11	ELECT	22MF 20% 25V
*A-1341-751-A	D BOARD, COMPLETE			C1725	1-102-963-00	CERAMIC	33PF 5% 50V
*****				C1726	1-124-122-11	ELECT	100MF 20% 35V
4-382-854-11	SCREW (M3X10), P, SW (+)			C1727	1-102-963-00	CERAMIC	33PF 5% 50V
*****				C1728	1-102-963-00	CERAMIC	33PF 5% 50V
<CAPACITOR>				C1729	1-106-377-00	MYLAR	0.027MF 200V
C901	1-126-320-11	ELECT	10MF 20% 16V	C1730	1-102-963-00	CERAMIC	33PF 5% 50V
C902	1-124-477-11	ELECT	47MF 20% 16V	C1731	1-124-122-11	ELECT	100MF 20% 35V
C903	1-130-471-00	MYLAR	0.001MF 5% 50V	C1732	1-106-377-00	MYLAR	0.027MF 200V
C904	1-130-471-00	MYLAR	0.001MF 5% 50V	C1733	1-102-963-00	CERAMIC	33PF 5% 50V
C905	1-124-477-11	ELECT	47MF 20% 16V	C1734	1-102-963-00	CERAMIC	33PF 5% 50V
C906	1-126-233-11	ELECT	22MF 20% 50V	C1735	1-124-122-11	ELECT	100MF 20% 35V
C907	1-126-101-11	ELECT	100MF 20% 16V	C1736	1-106-377-00	MYLAR	0.027MF 200V
C908	1-124-907-11	ELECT	10MF 20% 50V	C1737	1-124-937-11	ELECT	10MF 20% 16V
C910	1-130-483-00	MYLAR	0.01MF 5% 50V	C1738	1-124-122-11	ELECT	100MF 20% 35V
C911	1-131-341-00	TANTALUM	0.1MF 20% 16V	C1739	1-136-153-00	FILM	0.01MF 5% 50V
C912	1-124 903-11	ELECT	1MF 20% 50V	C1740	1-124-122-11	ELECT	100MF 20% 35V
C913	1-126-233-11	ELECT	22MF 20% 50V	C1741	1-124-122-11	ELECT	100MF 20% 35V
C914	1-126-803-11	ELECT	47MF 20% 16V	C1742	1-126-104-11	ELECT	470MF 20% 35V
C915	1-124-927-11	ELECT	4.7MF 20% 50V	C1744	1-124-120-11	ELECT	220MF 20% 25V
C916	1-102-074-00	CERAMIC	0.001MF 10% 50V	C1745	1-126-375-11	ELECT	100MF 20% 25V
C917	1-130 471-00	MYLAR	0.001MF 5% 50V	C1755	1-106-220-00	MYLAR	0.1MF 10% 100V
C918	1-102-963-00	CERAMIC	33PF 5% 50V	C1756	1-106-220-00	MYLAR	0.1MF 10% 100V
C919	1-102-963-00	CERAMIC	33PF 5% 50V	C1757	1-106-220-00	MYLAR	0.1MF 10% 100V
C920	1-102-963-00	CERAMIC	33PF 5% 50V	C1758	1-106-220-00	MYLAR	0.1MF 10% 100V
C921	1-102-963-00	CERAMIC	33PF 5% 50V	C1759	1-106-220-00	MYLAR	0.1MF 10% 100V
C922	1-102-963-00	CERAMIC	33PF 5% 50V	C1760	1-106-220-00	MYLAR	0.1MF 10% 100V
C923	1-102-963-00	CERAMIC	33PF 5% 50V	C1763	1-124-907-11	ELECT	10MF 20% 50V
C931	1-102-973-00	CERAMIC	100PF 5% 50V	C1764	1-124-477-11	ELECT	47MF 20% 16V
C932	1-124-903-11	ELECT	1MF 20% 50V	C1765	1-124-477-11	ELECT	47MF 20% 16V
C934	1-126-233-11	ELECT	22MF 20% 25V	C1766	1-126-101-11	ELECT	100MF 20% 16V
C935	1-126-233-11	ELECT	22MF 20% 25V	C1769	1-124-907-11	ELECT	10MF 20% 50V
C936	1-126-233-11	ELECT	22MF 20% 25V	C1770	1-130-495-00	MYLAR	0.1MF 5% 50V
C937	1-126-233-11	ELECT	22MF 20% 25V	C1771	1-124-907-11	ELECT	10MF 20% 50V
C938	1-126-233-11	ELECT	22MF 20% 25V	C1772	1-124-907-11	ELECT	10MF 20% 50V
C939	1-126-233-11	ELECT	22MF 20% 25V	C1861	1-102-074-00	CERAMIC	0.001MF 10% 50V
C940	1-126-233-11	ELECT	22MF 20% 25V	<CONNECTOR>			
C1701	1-124-907-11	ELECT	10MF 20% 50V	D1	*1-564-510-11	PLUG, CONNECTOR	7P
C1702	1-124-907-11	ELECT	10MF 20% 50V	D2	*1-564-511-11	PLUG, CONNECTOR	8P
C1703	1-124-907-11	ELECT	10MF 20% 50V	D3	*1-564-512-11	PLUG, CONNECTOR	9P
C1704	1-124-667-11	ELECT	10MF 20% 50V	D4	*1-564-508-11	PLUG, CONNECTOR	5P
C1705	1-102-963-00	CERAMIC	33PF 5% 50V	D5	*1-564-511-11	PLUG, CONNECTOR	8P
C1706	1-102-963-00	CERAMIC	33PF 5% 50V	D6	1-691-169-11	PIN, CONNECTOR	12P
C1707	1-102-963-00	CERAMIC	33PF 5% 50V	D7	*1-564-507-11	PLUG, CONNECTOR	4P
C1708	1-102-963-00	CERAMIC	33PF 5% 50V	D8	*1-564-506-11	PLUG, CONNECTOR	3P
C1709	1-102-963-00	CERAMIC	33PF 5% 50V	D9	*1-564-507-11	PLUG, CONNECTOR	4P
C1710	1-102-963-00	CERAMIC	33PF 5% 50V	D14	*1-564-513-11	PLUG, CONNECTOR	10P
C1711	1-126-233-11	ELECT	22MF 20% 50V	<DIODE>			
C1712	1-126-233-11	ELECT	22MF 20% 25V	D901	8-719-911-19	DIODE	1SS119
C1713	1-131-353-00	TANTALUM	10MF 10% 25V	D902	8-719-911-19	DIODE	1SS119
C1714	1-124-120-11	ELECT	220MF 20% 25V	D1702	8-719-911-19	DIODE	1SS119
C1715	1-124-478-11	ELECT	100MF 20% 25V	D1704	8-719-900-95	DIODE	V09G
C1716	1-126-803 11	ELECT	47MF 20% 25V	D1705	8-719-900-95	DIODE	V09G
				D1706	8-719-900-95	DIODE	V09G

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D

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
D1707	8-719-911-19	DIODE 1SS119		Q907	8-729-119-78	TRANSISTOR 2SC2785-HFE	
D1708	8-719-911-19	DIODE 1SS119		Q908	8-729-900-89	TRANSISTOR DTC144ES	
D1709	8-719-911-19	DIODE 1SS119		Q909	8-729-119-78	TRANSISTOR 2SC2785-HFE	
D1710	8-719-911-19	DIODE 1SS119		Q910	8-729-119-78	TRANSISTOR 2SC2785-HFE	
D1711	8-719-911-19	DIODE 1SS119		Q911	8-729-119-76	TRANSISTOR 2SA1175-HFE	
D1712	8-719-911-19	DIODE 1SS119		Q912	8-729-119-76	TRANSISTOR 2SA1175-HFE	
D1713	8-719-911-19	DIODE 1SS119					
D1714	8-719-911-19	DIODE 1SS119					
D1715	8-719-911-19	DIODE 1SS119					
D1716	8-719-911-19	DIODE 1SS119					
D1717	8-719-911-19	DIODE 1SS119					
D1718	8-719-911-19	DIODE 1SS119					
D1720	8-719-109-50	DIODE RD2.0ESB1					
D1721	8-719-109-50	DIODE RD2.0ESB1					
D1722	8-719-109-50	DIODE RD2.0ESB1					
D1723	8-719-109-50	DIODE RD2.0ESB1					
		<FUSE>					
F901	Δ 1-576-107-22	FUSE 3.15A/250V		R901	1-215-463-00	METAL 56K 1% 1/4W	
	1-533-223-11	CLIP, FUSE; F901		R902	1-215-463-00	METAL 56K 1% 1/4W	
F902	Δ 1-576-107-22	FUSE 3.15A/250V		R903	1-215-449-00	METAL 15K 1% 1/4W	
	1-533-223-11	CLIP, FUSE; F902		R904	1-215-455-00	METAL 27K 1% 1/4W	
				R905	1-215-449-00	METAL 15K 1% 1/4W	
		<IC>		R906	1-215-469-00	METAL 100K 1% 1/4W	
IC901	8-759-145-58	IC UPC4558C		R907	1-215-469-00	METAL 100K 1% 1/4W	
IC902	8-752-033-68	IC CXA1268P		R908	1-215-469-00	METAL 100K 1% 1/4W	
IC903	8-759-701-56	IC NJM78M05FA		R909	1-215-473-00	METAL 150K 1% 1/4W	
IC904	8-759-701-65	IC NJM79M05FA		R910	1-215-437-00	METAL 4.7K 1% 1/4W	
IC905	8-759-701-89	IC NJM7915FA		R911	1-215-453-00	METAL 22K 1% 1/4W	
IC906	8-759-148-84	IC UPC2415HF		R912	1-215-453-00	METAL 22K 1% 1/4W	
IC907	8-759-140-53	IC UPD4053BC		R913	1-215-437-00	METAL 4.7K 1% 1/4W	
IC908	8-759-145-58	IC UPC4558C		R914	1-215-453-00	METAL 22K 1% 1/4W	
IC910	8-759-054-40	IC PA0036		R915	1-215-435-00	METAL 3.9K 1% 1/4W	
IC1701	8-759-602-19	IC M5220L		R916	1-215-457-00	METAL 33K 1% 1/4W	
IC1702	8-759-602-19	IC M5220L		R919	1-215-399-00	METAL 120 1% 1/4W	
IC1703	8-759-602-19	IC M5220L		R920	1-215-399-00	METAL 120 1% 1/4W	
IC1704	8-749-923-16	IC STK4278-L		R921	1-215-399-00	METAL 120 1% 1/4W	
IC1705	8-749-923-16	IC STK4278-L		R922	1-215-399-00	METAL 120 1% 1/4W	
IC1706	8-759-113-13	IC UPC1498H		R923	1-215-441-00	METAL 6.8K 1% 1/4W	
IC1707	8-759-113-13	IC UPC1498H		R924	1-215-441-00	METAL 6.8K 1% 1/4W	
IC1708	8-759-113-13	IC UPC1498H		R925	1-215-441-00	METAL 6.8K 1% 1/4W	
IC1709	8-759-145-58	IC UPC4558C		R926	1-215-463-00	METAL 56K 1% 1/4W	
IC1710	8-759-145-58	IC UPC4558C		R927	1-215-463-00	METAL 56K 1% 1/4W	
IC1714	8-759-145-58	IC UPC4558C		R928	1-215-461-00	METAL 47K 1% 1/4W	
IC1715	8-759-145-58	IC UPC4558C		R929	1-215-433-00	METAL 3.3K 1% 1/4W	
IC1718	8-759-145-58	IC UPC4558C		R930	1-215-433-00	METAL 3.3K 1% 1/4W	
		<COIL>		R931	1-215-433-00	METAL 3.3K 1% 1/4W	
L901	1-459-313-00	COIL WITH CORE (HWC)		R932	1-215-433-00	METAL 3.3K 1% 1/4W	
L901	1-459-313-00	COIL WITH CORE (HWC)		R933	1-215-433-00	METAL 3.3K 1% 1/4W	
L902	1-459-313-00	COIL WITH CORE (HWC)		R934	1-215-433-00	METAL 3.3K 1% 1/4W	
L902	1-459-313-00	COIL WITH CORE (HWC)		R935	1-215-439-00	METAL 5.6K 1% 1/4W	
L903	1-459-313-00	COIL WITH CORE (HWC)		R936	1-215-439-00	METAL 5.6K 1% 1/4W	
L903	1-459-313-00	COIL WITH CORE (HWC)		R937	1-215-439-00	METAL 5.6K 1% 1/4W	
L904	1-459-313-00	COIL WITH CORE (HWC)		R938	1-215-417-00	METAL 680 1% 1/4W	
L904	1-459-313-00	COIL WITH CORE (HWC)		R939	1-215-433-00	METAL 3.3K 1% 1/4W	
		<TRANSISTOR>		R940	1-215-429-00	METAL 2.2K 1% 1/4W	
Q902	8-729-900-89	TRANSISTOR DTC144ES		R941	1-215-441-00	METAL 6.8K 1% 1/4W	
Q906	8-729-119-78	TRANSISTOR 2SC2785-HFE		R942	1-215-451-00	METAL 18K 1% 1/4W	
				R943	1-215-441-00	METAL 6.8K 1% 1/4W	
				R944	1-215-439-00	METAL 5.6K 1% 1/4W	
				R945	1-215-445-00	METAL 10K 1% 1/4W	
				R946	1-215-445-00	METAL 10K 1% 1/4W	
				R947	1-215-439-00	METAL 5.6K 1% 1/4W	
				R948	1-215-455-00	METAL 27K 1% 1/4W	
				R949	1-215-439-00	METAL 5.6K 1% 1/4W	
				R950	1-215-429-00	METAL 2.2K 1% 1/4W	
				R951	1-215-429-00	METAL 2.2K 1% 1/4W	
				R952	1-215-437-00	METAL 4.7K 1% 1/4W	
				R953	1-215-439-00	METAL 5.6K 1% 1/4W	
				R954	1-215-439-00	METAL 5.6K 1% 1/4W	
				R955	1-215-435-00	METAL 3.9K 1% 1/4W	
				R956	1-215-437-00	METAL 4.7K 1% 1/4W	
				R957	1-215-441-00	METAL 6.8K 1% 1/4W	

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
shading and mark Δ 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
R958	1-215-437-00	METAL	4.7K 1% 1/4W	R1726	Δ 1-215-886-71	METAL OXIDE	100 5% 2W F
R959	1-215-439-00	METAL	5.6K 1% 1/4W	R1727	1-214-792-00	METAL	1 1% 1/2W
R960	1-215-439-00	METAL	5.6K 1% 1/4W	R1728	1-214-792-00	METAL	1 1% 1/2W
R961	1-215-439-00	METAL	5.6K 1% 1/4W	R1729	1-214-792-00	METAL	1 1% 1/2W
R962	1-215-441-00	METAL	6.8K 1% 1/4W	R1730	1-247-807-31	CARBON	100 5% 1/4W
R963	1-215-441-00	METAL	6.8K 1% 1/4W	R1731	1-249-417-11	CARBON	1K 5% 1/4W
R964	1-215-441-00	METAL	6.8K 1% 1/4W	R1732	1-247-807-31	CARBON	100 5% 1/4W
R965	Δ 1-215-909-71	METAL OXIDE	47 5% 3W F	R1733	1-247-807-31	CARBON	100 5% 1/4W
R966	1-215-469-00	METAL	100K 1% 1/4W	R1734	1-247-807-31	CARBON	100 5% 1/4W
R967	1-215-421-00	METAL	1K 1% 1/4W	R1735	1-247-807-31	CARBON	100 5% 1/4W
R968	1-215-437-00	METAL	4.7K 1% 1/4W	R1736	1-249-423-11	CARBON	3.3K 5% 1/4W
R969	1-249-421-11	CARBON	2.2K 5% 1/4W	R1737	1-249-423-11	CARBON	3.3K 5% 1/4W
R970	Δ 1-215-909-71	METAL OXIDE	47 5% 3W F	R1738	1-249-423-11	CARBON	3.3K 5% 1/4W
R971	1-249-421-11	CARBON	2.2K 5% 1/4W	R1739	1-249-423-11	CARBON	3.3K 5% 1/4W
R972	1-249-431-11	CARBON	15K 5% 1/4W	R1740	1-249-417-11	CARBON	1K 5% 1/4W
R973	1-249-431-11	CARBON	15K 5% 1/4W	R1741	1-249-423-11	CARBON	3.3K 5% 1/4W
R974	1-215-399-00	METAL	120 1% 1/4W	R1742	1-249-423-11	CARBON	3.3K 5% 1/4W
R975	1-215-399-00	METAL	120 1% 1/4W	R1743	1-249-417-11	CARBON	1K 5% 1/4W
R976	1-215-399-00	METAL	120 1% 1/4W	R1744	1-249-411-11	CARBON	330 5% 1/4W
R977	1-215-399-00	METAL	120 1% 1/4W	R1745	1-247-807-31	CARBON	100 5% 1/4W
R978	1-215-399-00	METAL	120 1% 1/4W	R1746	1-214-792-00	METAL	1 1% 1/2W
R979	1-215-399-00	METAL	120 1% 1/4W	R1747	Δ 1-215-886-71	METAL OXIDE	100 5% 2W F
R980	1-215-399-00	METAL	120 1% 1/4W	R1748	1-215-421-00	METAL	1K 1% 1/4W
R981	1-215-399-00	METAL	120 1% 1/4W	R1749	1-215-421-00	METAL	1K 1% 1/4W
R982	1-249-431-11	CARBON	15K 5% 1/4W	R1750	1-215-421-00	METAL	1K 1% 1/4W
R983	1-249-431-11	CARBON	15K 5% 1/4W	R1751	1-215-421-00	METAL	1K 1% 1/4W
R984	1-214-960-00	METAL	3.9 1% 1/2W	R1752	1-215-421-00	METAL	1K 1% 1/4W
R985	1-214-960-00	METAL	3.9 1% 1/2W	R1753	1-215-421-00	METAL	1K 1% 1/4W
R986	1-214-960-00	METAL	3.9 1% 1/2W	R1754	1-214-792-00	METAL	1 1% 1/2W
R987	1-215-421-00	METAL	1K 1% 1/4W	R1755	1-215-469-00	METAL	100K 1% 1/4W
R988	1-215-421-00	METAL	1K 1% 1/4W	R1756	1-215-443-00	METAL	8.2K 1% 1/4W
R989	1-215-421-00	METAL	1K 1% 1/4W	R1757	1-215-437-00	METAL	4.7K 1% 1/4W
R990	1-215-421-00	METAL	1K 1% 1/4W	R1758	1-215-437-00	METAL	4.7K 1% 1/4W
R991	1-215-421-00	METAL	1K 1% 1/4W	R1759	1-247-807-31	CARBON	100 5% 1/4W
R992	1-215-421-00	METAL	1K 1% 1/4W	R1760	1-249-427-11	CARBON	6.8K 5% 1/4W
R993	1-249-429-11	CARBON	10K 5% 1/4W	R1761	1-249-419-11	CARBON	1.5K 5% 1/4W
R994	1-249-429-11	CARBON	10K 5% 1/4W	R1762	1-215-445-00	METAL	10K 1% 1/4W
R995	1-215-457-00	METAL	33K 1% 1/4W	R1763	1-249-427-11	CARBON	6.8K 5% 1/4W
R999	1-215-455-00	METAL	27K 1% 1/4W	R1764	1-249-419-11	CARBON	1.5K 5% 1/4W
R1701	1-249-411-11	CARBON	330 5% 1/4W	R1765	1-249-419-11	CARBON	1.5K 5% 1/4W
R1702	1-249-427-11	CARBON	6.8K 5% 1/4W	R1766	1-249-427-11	CARBON	6.8K 5% 1/4W
R1703	1-249-427-11	CARBON	6.8K 5% 1/4W	R1767	1-249-427-11	CARBON	6.8K 5% 1/4W
R1704	1-249-411-11	CARBON	330 5% 1/4W	R1768	1-249-439-11	CARBON	68K 5% 1/4W
R1705	1-249-411-11	CARBON	330 5% 1/4W	R1769	1-215-445-00	METAL	10K 1% 1/4W
R1706	1-249-427-11	CARBON	6.8K 5% 1/4W	R1770	1-247-807-31	CARBON	100 5% 1/4W
R1707	1-249-411-11	CARBON	330 5% 1/4W	R1771	1-247-807-31	CARBON	100 5% 1/4W
R1708	1-249-427-11	CARBON	6.8K 5% 1/4W	R1772	1-215-429-00	METAL	2.2K 1% 1/4W
R1709	1-249-427-11	CARBON	6.8K 5% 1/4W	R1773	1-215-429-00	METAL	2.2K 1% 1/4W
R1710	1-249-411-11	CARBON	330 5% 1/4W	R1774	1-215-421-00	METAL	1K 1% 1/4W
R1711	1-249-411-11	CARBON	330 5% 1/4W	R1775	1-249-429-11	CARBON	10K 5% 1/4W
R1712	1-249-427-11	CARBON	6.8K 5% 1/4W	R1776	1-215-421-00	METAL	1K 1% 1/4W
R1713	Δ 1-215-886-71	METAL OXIDE	100 5% 2W F	R1777	1-249-423-11	CARBON	3.3K 5% 1/4W
R1714	1-249-411-11	CARBON	330 5% 1/4W	R1778	1-215-421-00	METAL	1K 1% 1/4W
R1715	1-249-411-11	CARBON	330 5% 1/4W	R1779	Δ 1-215-898-71	METAL OXIDE	10K 5% 2W F
R1716	Δ 1-215-886-71	METAL OXIDE	100 5% 2W F	R1780	1-214-960-00	METAL	3.9 1% 1/2W
R1717	1-249-411-11	CARBON	330 5% 1/4W	R1781	1-214-960-00	METAL	3.9 1% 1/2W
R1718	1-249-417-11	CARBON	1K 5% 1/4W	R1782	Δ 1-215-898-71	METAL OXIDE	10K 5% 2W F
R1719	1-214-792-00	METAL	1 1% 1/2W	R1783	1-214-960-00	METAL	3.9 1% 1/2W
R1720	1-249-411-11	CARBON	330 5% 1/4W	R1784	1-214-960-00	METAL	3.9 1% 1/2W
R1721	1-249-417-11	CARBON	1K 5% 1/4W	R1785	Δ 1-215-898-71	METAL OXIDE	10K 5% 2W F
R1722	1-249-411-11	CARBON	330 5% 1/4W	R1786	1-214-960-00	METAL	3.9 1% 1/2W
R1723	1-249-417-11	CARBON	1K 5% 1/4W	R1787	1-214-960-00	METAL	3.9 1% 1/2W
R1724	Δ 1-215-886-71	METAL OXIDE	100 5% 2W F	R1788	1-249-433-11	CARBON	22K 5% 1/4W
R1725	Δ 1-215-886-71	METAL OXIDE	100 5% 2W F				



REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
R1789	1-249-441-11	CARBON	100K 5% 1/4W	R1873	1-215-437-00	METAL	4.7K 1% 1/4W
R1790	1-249-433-11	CARBON	22K 5% 1/4W	R1874	1-215-437-00	METAL	4.7K 1% 1/4W
R1791	1-249-429-11	CARBON	10K 5% 1/4W	R1875	1-215-437-00	METAL	4.7K 1% 1/4W
R1792	1-215-445-00	METAL	10K 1% 1/4W	R1876	1-215-437-00	METAL	4.7K 1% 1/4W
R1793	1-247-807-31	CARBON	100 5% 1/4W	R1877	1-215-437-00	METAL	4.7K 1% 1/4W
R1794	1-215-429-00	METAL	2.2K 1% 1/4W	R1878	1-215-475-00	METAL	180K 1% 1/4W
R1795	1-249-433-11	CARBON	22K 5% 1/4W	R1879	1-215-475-00	METAL	180K 1% 1/4W
R1796	1-247-807-31	CARBON	100 5% 1/4W	R1880	1-215-475-00	METAL	180K 1% 1/4W
R1797	1-249-429-11	CARBON	10K 5% 1/4W	R1882	1-215-445-00	METAL	10K 1% 1/4W
R1798	1-249-423-11	CARBON	3.3K 5% 1/4W	R1883	1-215-453-00	METAL	22K 1% 1/4W
R1800	1-247-807-31	CARBON	100 5% 1/4W	R1884	1-215-397-00	METAL	100 1% 1/4W
R1801	1-215-439-00	METAL	5.6K 1% 1/4W	R1885	1-215-445-00	METAL	10K 1% 1/4W
R1802	1-215-439-00	METAL	5.6K 1% 1/4W	R1886	1-215-455-00	METAL	27K 1% 1/4W
R1803	1-215-439-00	METAL	5.6K 1% 1/4W	R1887	1-215-397-00	METAL	100 1% 1/4W
R1805	1-215-439-00	METAL	5.6K 1% 1/4W	R1889	1-215-457-00	METAL	33K 1% 1/4W
R1806	1-247-807 31	CARBON	100 5% 1/4W	R1890	1-215-449-00	METAL	15K 1% 1/4W
R1807	1-247-807-31	CARBON	100 5% 1/4W	R1892	1-215-445-00	METAL	10K 1% 1/4W
R1808	1-214-792-00	METAL	1 1% 1/2W	R1894	1-215-429-00	METAL	2.2K 1% 1/4W
R1809	1-214-792-00	METAL	1 1% 1/2W	R1895	1-215-445-00	METAL	10K 1% 1/4W
R1810	1-214-792-00	METAL	1 1% 1/2W	R1896	1-215-445-00	METAL	10K 1% 1/4W
R1811	1-214-792-00	METAL	1 1% 1/2W	R1897	1-215-445-00	METAL	10K 1% 1/4W
R1812	1-214-792-00	METAL	1 1% 1/2W	R1898	1-215-445-00	METAL	10K 1% 1/4W
R1813	1-214-792-00	METAL	1 1% 1/2W	R1899	1-215-421-00	METAL	1K 1% 1/4W
R1814	1-249-431-11	CARBON	15K 5% 1/4W	R1900	1-215-429-00	METAL	2.2K 1% 1/4W
R1815	1-247-885-00	CARBON	180K 5% 1/4W	R1901	1-215-449-00	METAL	15K 1% 1/4W
R1816	1-249-431-11	CARBON	15K 5% 1/4W	R1902	1-215-445-00	METAL	10K 1% 1/4W
R1817	1-247-885-00	CARBON	180K 5% 1/4W	R1903	1-215-445-00	METAL	10K 1% 1/4W
R1818	1-247-807-31	CARBON	100 5% 1/4W	R1904	1-215-445-00	METAL	10K 1% 1/4W
R1819	1-215-437-00	METAL	4.7K 1% 1/4W	R1905	1-215-445-00	METAL	10K 1% 1/4W
R1820	1-215-437-00	METAL	4.7K 1% 1/4W	R1906	1-215-429-00	METAL	2.2K 1% 1/4W
R1821	1-215-437-00	METAL	4.7K 1% 1/4W	R1907	1-215-445-00	METAL	10K 1% 1/4W
R1822	1-215-445-00	METAL	10K 1% 1/4W	R1908	1-215-445-00	METAL	10K 1% 1/4W
R1823	1-215-445-00	METAL	10K 1% 1/4W	R1909	1-215-445-00	METAL	10K 1% 1/4W
R1824	1-215-433-00	METAL	3.3K 1% 1/4W	R1910	1-215-445-00	METAL	10K 1% 1/4W
R1825	1-215-433-00	METAL	3.3K 1% 1/4W	R1911	1-215-453-00	METAL	22K 1% 1/4W
R1826	1-215-433-00	METAL	3.3K 1% 1/4W	R1916	1-215-423-00	METAL	1.2K 1% 1/4W
R1827	1-215-445-00	METAL	10K 1% 1/4W	R1920	1-215-453-00	METAL	22K 1% 1/4W
R1828	1-215-445-00	METAL	10K 1% 1/4W	R1921	1-215-445-00	METAL	10K 1% 1/4W
R1829	1-249-434-11	CARBON	27K 5% 1/4W	R1922	1-215-445-00	METAL	10K 1% 1/4W
R1830	1-249-434-11	CARBON	27K 5% 1/4W	R1924	1-215-429-00	METAL	2.2K 1% 1/4W
R1831	1-247-807-31	CARBON	100 5% 1/4W	R1925	1-215-429-00	METAL	2.2K 1% 1/4W
R1832	1-215-471-00	METAL	120K 1% 1/4W	R1926	1-215-429-00	METAL	2.2K 1% 1/4W
R1833	1-215-471-00	METAL	120K 1% 1/4W	R1927	1-215-445-00	METAL	10K 1% 1/4W
R1834	1-215-471-00	METAL	120K 1% 1/4W	R1928	1-215-421-00	METAL	1K 1% 1/4W
R1835	1-215-437-00	METAL	4.7K 1% 1/4W	R1929	1-215-445-00	METAL	10K 1% 1/4W
R1836	1-215-437-00	METAL	4.7K 1% 1/4W	R1930	1-215-397-00	METAL	100 1% 1/4W
R1837	1-215-421-00	METAL	1K 1% 1/4W	R1931	1-215-397-00	METAL	100 1% 1/4W
R1838	1-249-431-11	CARBON	15K 5% 1/4W	R1932	1-215-453-00	METAL	22K 1% 1/4W
R1839	1-249-431-11	CARBON	15K 5% 1/4W	R1933	1-215-453-00	METAL	22K 1% 1/4W
R1858	1-215-445-00	METAL	10K 1% 1/4W	R1934	1-215-429-00	METAL	2.2K 1% 1/4W
R1859	1-215-445-00	METAL	10K 1% 1/4W	R1935	1-247-881-00	CARBON	120K 5% 1/4W
R1860	1-215-397-00	METAL	100 1% 1/4W	R1937	1-215-445-00	METAL	10K 1% 1/4W
R1861	1-215-453-00	METAL	22K 1% 1/4W				
R1862	1-215-453-00	METAL	22K 1% 1/4W				
R1863	1-215-397-00	METAL	100 1% 1/4W				
R1864	1-215-437-00	METAL	4.7K 1% 1/4W				
R1865	1-215-453-00	METAL	22K 1% 1/4W				
R1866	1-215-453-00	METAL	22K 1% 1/4W				
R1867	1-215-437-00	METAL	4.7K 1% 1/4W				
R1868	1-215-469-00	METAL	100K 1% 1/4W				
R1869	1-215-445-00	METAL	10K 1% 1/4W				
R1870	1-215 445-00	METAL	10K 1% 1/4W				
R1871	1-215-445-00	METAL	10K 1% 1/4W				
R1872	1-215-437-00	METAL	4.7K 1% 1/4W				
<VARIABLE RESISTOR>							
	RV901	1-241-765-11	RES, ADJ, CARBON	22K			
	RV902	1-241-765-11	RES, ADJ, CARBON	22K			
	RV903	1-241-765-11	RES, ADJ, CARBON	22K			
	RV904	1-241-765-11	RES, ADJ, CARBON	22K			
	RV905	1-241-765-11	RES, ADJ, CARBON	22K			
	RV906	1-241-765-11	RES, ADJ, CARBON	22K			
	RV907	1-241-765-11	RES, ADJ, CARBON	22K			
	RV908	1-241-765-11	RES, ADJ, CARBON	22K			



REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
RV909	1-241-765-11	RES, ADJ, CARBON 22K		RV975	1-241-765-11	RES, ADJ, CARBON 22K	
RV910	1-241-765-11	RES, ADJ, CARBON 22K		RV976	1-241-765-11	RES, ADJ, CARBON 22K	
RV911	1-241-628-11	RES, ADJ, CARBON 2.2K		RV977	1-241-765-11	RES, ADJ, CARBON 22K	
RV912	1-241-765-11	RES, ADJ, CARBON 22K		RV978	1-241-765-11	RES, ADJ, CARBON 22K	
RV913	1-241-769-11	RES, ADJ, CARBON 470K		RV979	1-241-765-11	RES, ADJ, CARBON 22K	
RV914	1-241-630-11	RES, ADJ, CARBON 10K		RV980	1-238-019-11	RES, ADJ, CARBON 47K	
RV915	1-241-630-11	RES, ADJ, CARBON 10K		RV981	1-241-765-11	RES, ADJ, CARBON 22K	
RV916	1-241-765-11	RES, ADJ, CARBON 22K		RV982	1-241-765-11	RES, ADJ, CARBON 22K	
RV917	1-241-765-11	RES, ADJ, CARBON 22K		*****			
RV918	1-241-765-11	RES, ADJ, CARBON 22K		*1-651-293-11	H BOARD	*****	
RV919	1-241-765-11	RES, ADJ, CARBON 22K		*4-357-710-00	HOLDER, LED		
RV920	1-241-765-11	RES, ADJ, CARBON 22K		<CAPACITOR>			
RV921	1-241-765-11	RES, ADJ, CARBON 22K		C1601	1-124-907-11	ELECT 10MF 20% 50V	
RV922	1-241-765-11	RES, ADJ, CARBON 22K		C1602	1-124-907-11	ELECT 10MF 20% 50V	
RV923	1-241-765-11	RES, ADJ, CARBON 22K		C1603	1-124-907-11	ELECT 10MF 20% 50V	
RV924	1-241-765-11	RES, ADJ, CARBON 22K		C1604	1-124-907-11	ELECT 10MF 20% 50V	
RV925	1-241-765-11	RES, ADJ, CARBON 22K		<CONNECTOR>			
RV926	1-241-765-11	RES, ADJ, CARBON 22K		H1	*1-564-525-11	PLUG, CONNECTOR 10P	
RV927	1-241-765-11	RES, ADJ, CARBON 22K		H2	*1-564-517-11	PLUG, CONNECTOR 2P	
RV928	1-241-630-11	RES, ADJ, CARBON 10K		H16	*1-564-521-11	PLUG, CONNECTOR 6P	
RV929	1-241-765-11	RES, ADJ, CARBON 22K		<DIODE>			
RV930	1-241-630-11	RES, ADJ, CARBON 10K		D1601	8-719-812-41	DIODE TLR124	
RV931	1-241-765-11	RES, ADJ, CARBON 22K		D1602	8-719-812-41	DIODE TLR124	
RV932	1-241-765-11	RES, ADJ, CARBON 22K		D1603	8-719-108-12	DIODE RD9.1EW	
RV933	1-241-765-11	RES, ADJ, CARBON 22K		D1604	8-719-108-12	DIODE RD9.1EW	
RV934	1-241-765-11	RES, ADJ, CARBON 22K		D1605	8-719-108-12	DIODE RD9.1EW	
RV935	1-241-765-11	RES, ADJ, CARBON 22K		<IC>			
RV936	1-241-765-11	RES, ADJ, CARBON 22K		IC1601	8-741-810-09	IC SBX1810-09	
RV937	1-241-630-11	RES, ADJ, CARBON 10K		<JACK>			
RV938	1-241-630-11	RES, ADJ, CARBON 10K		J1601	1-565-839-11	PIN JACK BLOCK 3P	
RV939	1-241-630-11	RES, ADJ, CARBON 10K		<RESISTOR>			
RV940	1-241-765-11	RES, ADJ, CARBON 22K		R1601	1-249-430-11	CARBON 12K 5% 1/4W	
RV941	1-241-765-11	RES, ADJ, CARBON 22K		R1602	1-249-425-11	CARBON 4.7K 5% 1/4W	
RV942	1-241-765-11	RES, ADJ, CARBON 22K		R1603	1-249-421-11	CARBON 2.2K 5% 1/4W	
RV943	1-241-765-11	RES, ADJ, CARBON 22K		R1604	1-249-419-11	CARBON 1.5K 5% 1/4W	
RV944	1-241-765-11	RES, ADJ, CARBON 22K		R1606	1-247-807-31	CARBON 100 5% 1/4W	
RV945	1-241-765-11	RES, ADJ, CARBON 22K		R1607	1-247-807-31	CARBON 100 5% 1/4W	
RV946	1-241-765-11	RES, ADJ, CARBON 22K		R1608	1-249-411-11	CARBON 330 5% 1/4W	
RV947	1-241-765-11	RES, ADJ, CARBON 22K		R1609	1-249-411-11	CARBON 330 5% 1/4W	
RV948	1-241-765-11	RES, ADJ, CARBON 22K		R1610	1-247-804-11	CARBON 75 5% 1/4W	
RV949	1-241-765-11	RES, ADJ, CARBON 22K		<SWITCH>			
RV950	1-241-765-11	RES, ADJ, CARBON 22K		S1601	1-571-731-11	SWITCH, TACTIL	
RV951	1-241-765-11	RES, ADJ, CARBON 22K		S1602	1-571-731-11	SWITCH, TACTIL	
RV952	1-241-765-11	RES, ADJ, CARBON 22K		S1603	1-571-731-11	SWITCH, TACTIL	
RV953	1-241-765-11	RES, ADJ, CARBON 22K		S1604	1-571-731-11	SWITCH, TACTIL	
RV954	1-241-765-11	RES, ADJ, CARBON 22K		S1605	1-571-731-11	SWITCH, TACTIL	
RV956	1-241-765-11	RES, ADJ, CARBON 22K		S1606	1-571-731-21	SWITCH, TACTIL	
RV957	1-249-417-11	CARBON 1K 5% 1/4W					
RV958	1-241-765-11	RES, ADJ, CARBON 22K					
RV959	1-241-765-11	RES, ADJ, CARBON 22K					
RV961	1-241-765-11	RES, ADJ, CARBON 22K					
RV962	1-241-765-11	RES, ADJ, CARBON 22K					
RV963	1-241-765-11	RES, ADJ, CARBON 22K					
RV964	1-241-765-11	RES, ADJ, CARBON 22K					
RV965	1-241-765-11	RES, ADJ, CARBON 22K					
RV966	1-241-765-11	RES, ADJ, CARBON 22K					
RV967	1-241-765-11	RES, ADJ, CARBON 22K					
RV968	1-241-765-11	RES, ADJ, CARBON 22K					
RV969	1-241-765-11	RES, ADJ, CARBON 22K					
RV970	1-241-765-11	RES, ADJ, CARBON 22K					
RV971	1-241-765-11	RES, ADJ, CARBON 22K					
RV972	1-241-765-11	RES, ADJ, CARBON 22K					
RV973	1-241-765-11	RES, ADJ, CARBON 22K					
RV974	1-241-765-11	RES, ADJ, CARBON 22K					



REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
S1607	1-571-731-11	SWITCH, TACTIL		*A-1373-463-A	V BOARD, COMPLETE		
*****				*****			
	*A-1373-461-A	UT BOARD, COPMPLETE			<CAPACITOR>		
					C1551 1-124-122-11	ELECT	100MF 20% 50V
					C1552 1-124-122-11	ELECT	100MF 20% 50V
					C1553 1-102-824-00	CERAMIC	470PF 5% 50V
					C1554 1-102-824-00	CERAMIC	470PF 5% 50V
					C1555 1-130-483-00	MYLAR	0.01MF 5% 50V
					C1556 1-130-483-00	MYLAR	0.01MF 5% 50V
					C1557 1-102-824-00	CERAMIC	470PF 5% 50V
					C1558 1-102-824-00	CERAMIC	470PF 5% 50V
					C1559 1-102-824-00	CERAMIC	470PF 5% 50V
					C1560 1-102-824-00	CERAMIC	470PF 5% 50V
					C1561 1-130-483-00	MYLAR	0.01MF 5% 50V
					C1562 1-130-483-00	MYLAR	0.01MF 5% 50V
					C1563 1-130-483-00	MYLAR	0.01MF 5% 50V
					<CONNECTOR>		
	UT22	*1-565-928-11	CONNECTOR (TUB) 30P	V22	1-573-300-11	CONNECTOR, BOARD TO BOARD 18P	
	UT23	*1-566-641-11	CONNECTOR, HINGE (TAB) 18P				
	UT35	*1-564-518-11	PLUG, CONNECTOR 3P				
					<IC>		
					IC1551 8-759-145-58	IC UPC4558C	
					IC1552 8-759-912-77	IC LM324N	
					<TRANSISTOR>		
					Q1551 8-729-231-60	TRANSISTOR 2SD1406-YGR	
					Q1552 8-729-141-83	TRANSISTOR 2SB1094-LK	
					Q1553 8-729-231-60	TRANSISTOR 2SD1406-YGR	
					Q1554 8-729-141-83	TRANSISTOR 2SB1094-LK	
					Q1555 8-729-231-60	TRANSISTOR 2SD1406-YGR	
					Q1556 8-729-141-83	TRANSISTOR 2SB1094-LK	
					<RESISTOR>		
					R1540 1-215-445-00	METAL	10K 1% 1/4W
					R1541 1-215-445-00	METAL	10K 1% 1/4W
					R1542 1-215-445-00	METAL	10K 1% 1/4W
					R1551 1-215-445-00	METAL	10K 1% 1/4W
					R1552 1-215-423-00	METAL	1.2K 1% 1/4W
					R1553 1-249-417-11	CARBON	1K 5% 1/4W
					R1554 1-215-445-00	METAL	10K 1% 1/4W
					R1555 1-215-375-00	METAL	12 1% 1/4W
					R1556 1-215-375-00	METAL	12 1% 1/4W
					R1557 1-215-375-00	METAL	12 1% 1/4W
					R1558 1-215-445-00	METAL	10K 1% 1/4W
					R1559 1-215-445-00	METAL	10K 1% 1/4W
					R1560 1-215-445-00	METAL	10K 1% 1/4W
					R1561 1-215-423-00	METAL	1.2K 1% 1/4W
					R1562 1-215-423-00	METAL	1.2K 1% 1/4W
					R1563 1-215-445-00	METAL	10K 1% 1/4W
					R1564 1-249-417-11	CARBON	1K 5% 1/4W
					R1565 1-215-445-00	METAL	10K 1% 1/4W
					R1566 1-215-375-00	METAL	12 1% 1/4W
					R1567 1-215-375-00	METAL	12 1% 1/4W
					R1568 1-215-375-00	METAL	12 1% 1/4W
					R1569 1-215-445-00	METAL	10K 1% 1/4W
					R1570 1-215-445-00	METAL	10K 1% 1/4W
					R1571 1-249-417-11	CARBON	1K 5% 1/4W
					R1572 1-215-445-00	METAL	10K 1% 1/4W
					<SWITCH>		
S1150	1-571-731-11	SWITCH, TACTIL					
*****				*****			

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

The components identified by
shading and mark Δ are critical
for safety
Replace only with part number
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V ZR ZG ZB N

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
R1573	1-215-375-00	METAL 12 1% 1/4W		C805	1-102-030-00	CERAMIC 330PF 10% 500V	
R1574	1-215-375-00	METAL 12 1% 1/4W		C806	1-130-495-00	MYLAR 0.1MF 5% 50V	
R1575	1-215-375-00	METAL 12 1% 1/4W		C807	1-124-667-11	ELECT 10MF 20% 50V	
R1576	1-215-445-00	METAL 10K 1% 1/4W		C808	1-126-183-11	ELECT 1000MF 20% 16V	
R1577	1-215-445-00	METAL 10K 1% 1/4W		C809	1-124-903-11	ELECT 1MF 20% 50V	
R1578	1-249-417-11	CARBON 1K 5% 1/4W		C810	1-124-903-11	ELECT 1MF 20% 50V	
R1579	1-249-417-11	CARBON 1K 5% 1/4W		C811	1-124-902-00	ELECT 0.47MF 20% 50V	
R1580	1-249-417-11	CARBON 1K 5% 1/4W		C812	1-102-973-00	CERAMIC 100PF 5% 50V	
R1581	1-249-432-11	CARBON 18K 5% 1/4W		C813	1-102-244-00	CERAMIC 220PF 10% 500V	
R1582	1-249-432-11	CARBON 18K 5% 1/4W		C814	1-106-391-12	MYLAR 0.1MF 10% 200V	
*****				C815	1-106-367-00	MYLAR 0.01MF 10% 200V	
*A-1390-412-A ZR BOARD, COMPLETE				C816	1-124-907-11	ELECT 10MF 20% 50V	
*****				C817	1-124-119-00	ELECT 330MF 20% 16V	
<CONNECTOR>				C818	1-102-824-00	CERAMIC 470PF 5% 50V	
ZR1	*1-564-522-11	PLUG, CONNECTOR 7P		C819	1-124-907-11	ELECT 10MF 20% 50V	
ZR2	*1-691-292-11	PIN, CONNECTOR (PC BOARD) 3P		C820	1-124-907-11	ELECT 10MF 20% 50V	
<RESISTOR>				C821	1-124-907-11	ELECT 10MF 20% 50V	
R1903	1-249-414-11	CARBON 560 5% 1/4W		C822	1-104-792-51	ELECT 33MF 20% 16V	
R1904	1-249-414-11	CARBON 560 5% 1/4W		C823	1-124-907-11	ELECT 10MF 20% 50V	
*****				C824	1-104-792-51	ELECT 33MF 20% 16V	
*A-1390-413-A ZG BOARD, COMPLETE				C825	1-104-792-51	ELECT 33MF 20% 16V	
*****				C826	1-124-907-11	ELECT 10MF 20% 50V	
<CONNECTOR>				C827	1-124-907-11	ELECT 10MF 20% 50V	
ZG2	1-564-523-11	PLUG, CONNECTOR 8P		C828	1-124-907-11	ELECT 10MF 20% 50V	
ZG19	*1-691-292-11	PIN, CONNECTOR (PC BOARD) 3P		C829	1-104-792-51	ELECT 33MF 20% 16V	
<RESISTOR>				C830	1-124-907-11	ELECT 10MF 20% 50V	
R1913	1-249-414-11	CARBON 560 5% 1/4W		C831	1-106-220-00	MYLAR 0.1MF 10% 100V	
R1914	1-249-414-11	CARBON 560 5% 1/4W		C832	1-124-907-11	ELECT 10MF 20% 50V	
*****				C833	1-124-916-11	ELECT 22MF 20% 50V	
*A-1390-414-A ZB BOARD, COMPLETE				C834	1-130-487-00	MYLAR 0.022MF 5% 50V	
*****				C835	1-124-927-11	ELECT 4.7MF 20% 50V	
<CONNECTOR>				C836	1-130-475-00	MYLAR 0.0022MF 5% 50V	
ZB3	1-564-524-11	PLUG, CONNECTOR 9P		C837	1-136-169-00	FILM 0.22MF 5% 50V	
ZB20	*1-691-292-11	PIN, CONNECTOR (PC BOARD) 3P		C838	1-130-475-00	MYLAR 0.0022MF 5% 50V	
<RESISTOR>				C839	1-102-106-00	CERAMIC 100PF 10% 50V	
R1923	1-249-414-11	CARBON 560 5% 1/4W		C840	Δ 1-136-807-11	FILM 0.018MF 3% 1.6KV	
R1924	1-249-414-11	CARBON 560 5% 1/4W		C842	1-130-471-00	MYLAR 0.001MF 5% 50V	
*****				C850	1-136-169-00	FILM 0.22MF 5% 50V	
*A-1390-415-A N BOARD, COMPLETE				C851	1-124-907-11	ELECT 10MF 20% 50V	
*****				C852	1-124-907-11	ELECT 10MF 20% 50V	
4-382-854-11	SCREW (M3X10), P, SW (+)			C853	1-106-220-00	MYLAR 0.1MF 10% 100V	
<CAPACITOR>				C854	1-104-793-51	ELECT 470MF 20% 50V	
C801	1-123-024-21	ELECT 33MF 160V		C855	1-126-804-11	ELECT 100MF 20% 50V	
C803	1-136-729-11	FILM 1.5MF 5% 400V		C856	1-162-114-00	CERAMIC 0.0047MF 20% 2KV	
C804	1-106-383-00	MYLAR 0.047MF 200V		C858	1-124-119-00	ELECT 330MF 20% 16V	
				C888	1-124-903-11	ELECT 1MF 20% 50V	
				<CONNECTOR>			
				N1	1-506-348-99	PIN, CONNECTOR 3P	
				N2	*1-564-508-11	PLUG, CONNECTOR 5P	
				N3	1-508-765-00	PIN, CONNECTOR (5MM PITCH) 3P	
				N4	*1-564-507-11	PLUG, CONNECTOR 4P	
				N5	*1-564-508-11	PLUG, CONNECTOR 5P	
				N7	1-508-765-00	PIN, CONNECTOR (5MM PITCH) 3P	
				N8	1-508-766-00	PIN, CONNECTOR (5MM PITCH) 4P	
				N9	1-506-348-99	PIN, CONNECTOR 3P	
				N10	*1-564-511-11	PLUG, CONNECTOR 8P	
				N16	1-508-786-00	PIN, CONNECTOR (5MM PITCH) 2P	
				N20	*1-560-126-00	PLUG, CONNECTOR (2.5MM) 6P	
				N21	*1-560-123-00	PLUG, CONNECTOR (2.5MM) 3P	
				N30	1-508-784-00	PIN, CONNECTOR (5MM PITCH) 1P	
				N851	*1-506-371-00	PIN, CONNECTOR 2P	
				N853	*1-506-371-00	PIN, CONNECTOR 2P	

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.

N

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
<DIODE>				R801	△ 1-216-378-71	METAL OXIDE	5.6 5% 2W F
D801	8-719-928-08	DIODE ERD28-08S		R802	△ 1-247-799-91	CARBON	47 5% 1/4W
D802	8-719-302-43	DIODE EL1Z		R803	△ 1-215-869-71	METAL OXIDE	1K 5% 1W F
D803	8-719-109-85	DIODE RD5.1ESB2		R804	1-249-429-11	CARBON	10K 5% 1/4W
D804	8-719-911-19	DIODE ISS119		R805	1-249-423-11	CARBON	3.3K 5% 1/4W
D805	8-719-911-19	DIODE ISS119		R806	1-249-425-11	CARBON	4.7K 5% 1/4W
D806	8-719-109-85	DIODE RD5.1ESB2		R807	1-249-441-11	CARBON	100K 5% 1/4W
D807	8-719-109-85	DIODE RD5.1ESB2		R808	1-249-417-11	CARBON	1K 5% 1/4W
D808	8-719-911-19	DIODE ISS119		R809	1-249-417-11	CARBON	1K 5% 1/4W
D809	8-719-911-19	DIODE ISS119		R810	1-249-441-11	CARBON	100K 5% 1/4W
D810	8-719-911-19	DIODE ISS119		R811	1-249-421-11	CARBON	2.2K 5% 1/4W
D811	8-719-109-85	DIODE RD5.1ESB2		R812	1-249-420-11	CARBON	1.8K 5% 1/4W F
D812	8-719-911-19	DIODE ISS119		R813	△ 1-215-921-71	METAL OXIDE	4.7K 5% 3W F
D813	8-719-911-19	DIODE ISS119		R814	1-249-409-11	CARBON	220 5% 1/4W
D814	8-719-911-19	DIODE ISS119		R815	1-249-415-11	CARBON	680 5% 1/4W
D815	8-719-110-36	DIODE RD13ESB2		R816	1-214-777-00	METAL	100K 1% 1/4W
D820	8-719-911-19	DIODE ISS119		R817	1-215-471-00	METAL	120K 1% 1/4W
D850	8-719-109-71	DIODE RD3.9ESB1		R818	1-215-471-00	METAL	120K 1% 1/4W
D851	△ 8-719-903-09	DIODE V30N		R819	1-215-450-00	METAL	16K 1% 1/4W
D852	8-719-911-19	DIODE ISS119		R820	1-215-451-00	METAL	18K 1% 1/4W
D853	△ 8-719-903-09	DIODE V30N		R821	1-249-423-11	CARBON	3.3K 5% 1/4W
D891	8-719-110-49	DIODE RD18ESB2		R822	1-249-433-11	CARBON	22K 5% 1/4W
D892	8-719-110-49	DIODE RD18ESB2		R823	1-249-429-11	CARBON	10K 5% 1/4W
<IC>				R824	1-215-469-00	METAL	100K 1% 1/4W
IC801	8-759-231-58	IC TA7812S		R825	1-215-453-00	METAL	22K 1% 1/4W
IC802	8-759-103-93	IC UPC393C		R826	1-214-962-00	METAL	820K 1% 1/4W
IC803	8-759-503-91	IC TL082ACP		R827	1-214-764-00	METAL	30K 1% 1/4W
IC804	8-759-103-93	IC UPC393C		R828	1-215-455-00	METAL	27K 1% 1/4W
IC805	8-759-100-75	IC UPC1394C		R829	1-215-455-00	METAL	27K 1% 1/4W
<COIL>				R830	△ 1-215-928-71	METAL OXIDE	68K 5% 3W F
L802	1-409-570-11	COIL, CHOKE 1.2MMH		R831	△ 1-215-928-71	METAL OXIDE	68K 5% 3W F
L803	1-459-313-00	COIL WITH CORE (HWC)		R832	1-249-417-11	CARBON	1K 5% 1/4W
L803	1-459-313-00	COIL WITH CORE (HWC)		R833	1-249-419-11	CARBON	1.5K 5% 1/4W
L804	1-410-482-31	INDUCTOR 100UH		R834	1-249-419-11	CARBON	1.5K 5% 1/4W
L805	△ 1-424-603-11	COIL, CHOKE 1.05MMH		R835	1-215-429-00	METAL	2.2K 1% 1/4W
<NEON LAMP>				R836	1-215-435-00	METAL	3.9K 1% 1/4W
NL801	1-519-108-99	LAMP, NEON		R837	1-249-433-11	CARBON	22K 5% 1/4W
<TRANSISTOR>				R838	1-249-435-11	CARBON	33K 5% 1/4W
Q801	△ 8-729-201-61	TRANSISTOR 2SC2555-1		R839	1-249-438-11	CARBON	56K 5% 1/4W
Q802	8-729-119-80	TRANSISTOR 2SC2688-LK		R840	1-249-434-11	CARBON	27K 5% 1/4W
Q803	8-729-119-76	TRANSISTOR 2SA1175-HFE		R841	1-249-429-11	CARBON	10K 5% 1/4W
Q804	8-729-119-78	TRANSISTOR 2SC2785-HFE		R842	1-249-435-11	CARBON	33K 5% 1/4W
Q805	8-729-119-78	TRANSISTOR 2SC2785-HFE		R843	1-249-423-11	CARBON	3.3K 5% 1/4W
Q806	8-729-119-80	TRANSISTOR 2SC2688-LK		R844	1-249-433-11	CARBON	22K 5% 1/4W
Q807	8-729-119-78	TRANSISTOR 2SC2785-HFE		R845	1-249-435-11	CARBON	33K 5% 1/4W
Q808	8-729-119-78	TRANSISTOR 2SC2785-HFE		R846	1-249-429-11	CARBON	10K 5% 1/4W
Q811	△ 8-729-016-32	TRANSISTOR 2SC4927-01		R847	1-214-761-00	METAL	22K 1% 1/4W
Q820	8-729-119-76	TRANSISTOR 2SA1175-HFE		R848	1-215-429-00	METAL	2.2K 1% 1/4W
Q851	8-729-119-78	TRANSISTOR 2SC2785-HFE		R849	1-215-421-00	METAL	1K 1% 1/4W
Q852	8-729-119-78	TRANSISTOR 2SC2785-HFE		R850	1-215-429-00	METAL	2.2K 1% 1/4W
Q853	8-729-823-81	TRANSISTOR 2SC4632LS-CB7		R851	1-215-404-00	METAL	200 1% 1/4W
<RESISTOR>				R852	△	METAL	1/4W
R861	1-249-421-11	CARBON	2.2K 5% 1/4W	R853	1-215-469-00	METAL	100K 1% 1/4W
R862	1-249-434-11	CARBON	27K 5% 1/4W	R854	1-249-430-11	CARBON	12K 5% 1/4W
R863	1-249-431-11	CARBON	15K 5% 1/4W	R855	1-215-469-00	METAL	100K 1% 1/4W
R864	1-249-428-11	CARBON	8.2K 5% 1/4W	R856	1-249-430-11	CARBON	12K 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.



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 spécifique.

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

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
R865	1-249-440-11	CARBON	82K 5% 1/4W	C1037	1-124-282-00	ELECT	22MF 20% 16V
R866	1-249-436-11	CARBON	39K 5% 1/4W	C1039	1-124-478-11	ELECT	100MF 20% 25V
R867	1-249-437-11	CARBON	47K 5% 1/4W	C1047	1-124-902-00	ELECT	0.47MF 20% 50V
R868	1-249-428-11	CARBON	8.2K 5% 1/4W	C1048	1-124-903-11	ELECT	1MF 20% 50V
R871	1-249-440-11	CARBON	82K 5% 1/4W	C1049	1-126-233-11	ELECT	22MF 20% 25V
R872	1-249-423-11	CARBON	3.3K 5% 1/4W	C1051	1-124-902-00	ELECT	0.47MF 20% 50V
R873	1-249-441-11	CARBON	100K 5% 1/4W	C1055	1-124-477-11	ELECT	47MF 20% 16V
R874	1-249-435-11	CARBON	33K 5% 1/4W	C1056	1-124-499-11	ELECT	1MF 20% 50V
R875	1-249-421-11	CARBON	2.2K 5% 1/4W	C1059	1-124-499-11	ELECT	1MF 20% 50V
R876	1-215-426-00	METAL	1.6K 1% 1/4W	C1060	1-124-499-11	ELECT	1MF 20% 50V
R877	1-249-435-11	CARBON	33K 5% 1/4W	C1061	1-124-499-11	ELECT	1MF 20% 50V
R878 Δ	1-247-879-91	CARBON	100K 5% 1/4W	C1062	1-102-129-00	CERAMIC	0.01MF 10% 50V
R880	1-249-429-11	CARBON	10K 5% 1/4W	C1066	1-126-101-11	ELECT	100MF 20% 16V
R881	1-214-761-00	METAL	22K 1% 1/4W	<CONNECTOR>			
R882	1-249-433-11	CARBON	22K 5% 1/4W	U12	1-573-300-21	CONNECTOR, BOARD TO BOARD	18P
R883	1-249-417-11	CARBON	1K 5% 1/4W	U13	1-573-300-21	CONNECTOR, BOARD TO BOARD	18P
R884 Δ	1-215-894-51	METAL OXIDE	2.2K 5% 2W F	U16	*1-564-513-11	PLUG, CONNECTOR	10P
R885	1-249-438-11	CARBON	56K 5% 1/4W	U22	*1-565-930-11	CONNECTOR (RECEPTACLE)	30P
R886	1-249-414-11	CARBON	560 5% 1/4W	U23	*1-566-367-11	CONNECTOR, HINGE (RECEPTACLE)	
R887	1-215-397-00	METAL	100 1% 1/4W	U47	*1-564-506-11	PLUG, CONNECTOR	3P
R888	1-249-410-11	CARBON	270 5% 1/4W	<COM FILTER BLOCK>			
R889	1-249-417-11	CARBON	1K 5% 1/4W	CM1002	1-466-162-31	BLOCK, COM FILTER (CFB-4)	
R890	1-249-417-11	CARBON	1K 5% 1/4W	<DIODE>			
R892	1-249-417-11	CARBON	1K 5% 1/4W F	D1005	8-719-110-35	DIODE RD13ESB1	
R893	1-215-453-00	METAL	22K 1% 1/4W	D1009	8-719-110-35	DIODE RD13ESB1	
R894	1-249-401-11	CARBON	47 5% 1/4W	D1010	8-719-110-35	DIODE RD13ESB1	
R895	1-202-731-00	SOLID	10M 20% 1/2W	D1011	8-719-110-35	DIODE RD13ESB1	
R896	1-260-111-11	CARBON	10K 5% 1/2W	D1017	8-719-110-35	DIODE RD13ESB1	
R903	1-247-735-11	SOLID	47 20% 1/2W	D1020	8-719-109-66	DIODE RD3.3ESB2	
R904 Δ	1-215-928-71	METAL OXIDE	68K 5% 3W F	<IC>			
<SPARK GAP>				IC1002	8-752-067-28	IC CXA1545AS	
SG801	1-519-422-11	GAP, SPARK		<COIL>			
<TRANSFORMER>				L1001	1-408-422-00	INDUCTOR	120UH
T801 Δ	1-437-078-11	TRANSFORMER, HORIZONTAL DRIVE		L1002	1-408-422-00	INDUCTOR	120UH
T802	1-437-090-00	HDT		<TRANSISTOR>			
T803 Δ	8-598-939-00	TRANSFORMER ASSY, PLYBACK (NX-2631//A4S)		Q1018	8-729-141-26	TRANSISTOR 2SC3622A-LK	
*****				Q1022	8-729-141-26	TRANSISTOR 2SC3622A-LK	
*A-1394-534-A	U BOARD, COMPLETE	*****		Q1023	8-729-119-78	TRANSISTOR 2SC2785-HFE	
<CAPACITOR>				Q1029	8-729-119-76	TRANSISTOR 2SA1175-HFE	
C1004	1-102-125-00	CERAMIC	0.0047MF 10% 50V	Q1032	8-729-119-76	TRANSISTOR 2SA1175-HFE	
C1005	1-124-903-11	ELECT	1MF 20% 50V	Q1033	8-729-119-76	TRANSISTOR 2SA1175-HFE	
C1006	1-164-096-11	CERAMIC	0.01MF 50V	Q1034	8-729-119-76	TRANSISTOR 2SA1175-HFE	
C1007	1-126-233-11	ELECT	22MF 20% 25V	<RESISTOR>			
C1008	1-126-233-11	ELECT	22MF 20% 25V	R1015	1-249-425-11	CARBON	4.7K 5% 1/4W
C1013	1-102-125-00	CERAMIC	0.0047MF 10% 50V	R1026	1-249-425-11	CARBON	4.7K 5% 1/4W
C1018	1-124-903-11	ELECT	1MF 20% 50V	R1036	1-249-440-11	CARBON	82K 5% 1/4W
C1022	1-124-482-11	ELECT	33MF 20% 25V	R1037	1-249-440-11	CARBON	82K 5% 1/4W
C1026	1-164-048-11	CERAMIC	12PF 5% 50V	R1038	1-249-440-11	CARBON	82K 5% 1/4W
C1027	1-164-048-11	CERAMIC	12PF 5% 50V	R1057	1-249-441-11	CARBON	100K 5% 1/4W
C1028	1-124-482-11	ELECT	33MF 20% 25V				
C1029	1-124-282-00	ELECT	22MF 20% 16V				
C1030	1-124-478-11	ELECT	100MF 20% 25V				
C1031	1-164-058-11	CERAMIC	33PF 5% 50V				
C1033	1-126-233-11	ELECT	22MF 20% 25V				
C1034	1-124-282-00	ELECT	22MF 20% 16V				
C1036	1-124-282-00	ELECT	22MF 20% 16V				



REF. NO.	PART NO.	DESCRIPTION	REMARK
R1061	1-249-409-11	CARBON 220 5% 1/4W	
R1062	1-249-441-11	CARBON 100K 5% 1/4W	
R1063	1-249-409-11	CARBON 220 5% 1/4W	
R1066	1-215-437-00	METAL 4.7K 1% 1/4W	
R1067	1-215-437-00	METAL 4.7K 1% 1/4W	
R1068	1-215-437-00	METAL 4.7K 1% 1/4W	
R1069	1-215-437-00	METAL 4.7K 1% 1/4W	
R1070	1-249-411-11	CARBON 330 5% 1/4W	
R1071	1-249-431-11	CARBON 15K 5% 1/4W	
R1073	1-249-431-11	CARBON 15K 5% 1/4W	
R1077	1-249-418-11	CARBON 1.2K 5% 1/4W	
R1078	1-249-418-11	CARBON 1.2K 5% 1/4W	
R1079	1-247-807-31	CARBON 100 5% 1/4W	
R1080	1-215-423-00	METAL 1.2K 1% 1/4W	
R1081	1-215-421-00	METAL 1K 1% 1/4W	
R1089	1-247-807-31	CARBON 100 5% 1/4W	
R1094	1-247-807-31	CARBON 100 5% 1/4W	
R1096	1-247-807-31	CARBON 100 5% 1/4W	
R1099	1-249-413-11	CARBON 470 5% 1/4W	
R1110	1-247-807-31	CARBON 100 5% 1/4W	
R1118	1-249-413-11	CARBON 470 5% 1/4W	
R1133	1-247-807-31	CARBON 100 5% 1/4W	
R1134	1-247-807-31	CARBON 100 5% 1/4W	
R1137	1-249-411-11	CARBON 330 5% 1/4W	
R1147	1-247-807-31	CARBON 100 5% 1/4W	
R1148	1-247-807-31	CARBON 100 5% 1/4W	
R1149	1-249-417-11	CARBON 1K 5% 1/4W	
R1150	1-247-807-31	CARBON 100 5% 1/4W	
R1151	1-247-807-31	CARBON 100 5% 1/4W	
R1152	1-249-417-11	CARBON 1K 5% 1/4W	

*A-1394-535-A	S BOARD, COMPLETE *****		
*4-033-528-01	CASE (UPPER LID), SHIELD, P4		
<CAPACITOR>			
C3403	1-164-161-11	CERAMIC CHIP 0.0022MF 10% 50V	
C3408	1-164-232-11	CERAMIC CHIP 0.01MF 10% 50V	
C3409	1-124-477-11	ELECT 47MF 20% 16V	
C3411	1-104-792-51	ELECT 33MF 20% 16V	
C3474	1-163-038-00	CERAMIC CHIP 0.1MF 25V	
C3475	1-126-157-11	ELECT 10MF 20% 16V	
C3476	1-136-165-00	FILM 0.1MF 5% 50V	
C3477	1-163-135-00	CERAMIC CHIP 560PF 5% 50V	
C3478	1-163-038-00	CERAMIC CHIP 0.1MF 25V	
C3479	1-137-367-11	FILM 0.0033MF 5% 50V	
C3480	1-136-495-11	FILM 0.068MF 5% 50V	
C3481	1-126-157-11	ELECT 10MF 20% 16V	
C3482	1-163-121-00	CERAMIC CHIP 150PF 5% 50V	
C3483	1-126-157-11	ELECT 10MF 20% 16V	
C3484	1-163-038-00	CERAMIC CHIP 0.1MF 25V	
<CONNECTOR>			
S47	*1-564-506-11	PLUG, CONNECTOR 3P	
S46	*1-564-506-11	PLUG, CONNECTOR 3P	
S43	*1-564-508-11	PLUG, CONNECTOR 5P	
S45	*1-564-511-11	PLUG, CONNECTOR 8P	

REF. NO.	PART NO.	DESCRIPTION	REMARK
<IC>			
IC3401	8-759-403-44	IC MN1280-S	
IC3402	8-759-256-49	IC M37102M8-A12FP	
IC3442	8-759-084-09	IC Z8612812PSC	
<COIL>			
L3401	1-408-421-00	INDUCTOR 100UH	
L3402	1-408-421-00	INDUCTOR 100UH	
<TRANSISTOR>			
Q3401	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q3402	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
<RESISTOR>			
R3401	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R3402	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R3403	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R3404	1-216-033-00	METAL GLAZE 220 5% 1/10W	
R3405	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
R3406	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R3407	1-216-033-00	METAL GLAZE 220 5% 1/10W	
R3408	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R3409	1-216-033-00	METAL GLAZE 220 5% 1/10W	
R3420	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R3421	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R3422	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R3423	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R3425	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R3426	1-216-033-00	METAL GLAZE 220 5% 1/10W	
R3427	1-216-063-00	METAL GLAZE 3.9K 5% 1/10W	
R3428	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R3429	1-216-063-00	METAL GLAZE 3.9K 5% 1/10W	
R3430	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R3431	1-216-063-00	METAL GLAZE 3.9K 5% 1/10W	
R3432	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R3433	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R3434	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R3435	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R3436	1-216-295-00	METAL GLAZE 0 5% 1/10W	
R3437	1-216-085-00	METAL GLAZE 33K 5% 1/10W	
R3438	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R3439	1-216-041-00	METAL GLAZE 470 5% 1/10W	
R3440	1-216-041-00	METAL GLAZE 470 5% 1/10W	
R3441	1-216-091-00	METAL GLAZE 56K 5% 1/10W	
R3442	1-216-069-00	METAL GLAZE 6.8K 5% 1/10W	
R3451	1-216-041-00	METAL GLAZE 470 5% 1/10W	
R3458	1-216-295-00	METAL GLAZE 0 5% 1/10W	
R3474	1-216-295-00	METAL GLAZE 0 5% 1/10W	
R3476	1-216-295-00	METAL GLAZE 0 5% 1/10W	
R3477	1-216-295-00	METAL GLAZE 0 5% 1/10W	
<CRYSTAL>			
X3401	1-577-358-21	VIBRATOR, CERAMIC	

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 shading and mark Δ are critical for safety. Replace only with part number specified.

REF. NO.	PART NO.	DESCRIPTION	REMARK
MISCELLANEOUS *****			
	Δ 1-241-744-11	RESISTOR ASSY (HIGH-VOLTAGE)	
	Δ 1-453-108-11	DC BLOCK, HIGH-VOLTAGE	
	1-504-533-11	SPEAKER (16CM)	
	*1-555-400-00	CABLE, PIN	
	1-561-306-00	JACK, PIN (F)	
	Δ 1-696-002-12	CORD, POWER(WITH NOISE FILTER) 7.0A/125V	
	Δ 8-451-441-11	DEFLECTION YOKE Y829PA	
V901	Δ 8-736-072-05	PICTURE TUBE 07MAB2(G)	
V901	Δ 8-736-073-05	PICTURE TUBE 07MAB2(B)	
V901	Δ 8-736-074-05	PICTURE TUBE 07MAB2(R)	

ACCESSORIES AND PACKING MATERIALS *****			
	3-754-297-21	INSTRUCTION	
	3-754-298-21	MANUAL, INSTRUCTION	
	3-754-298-31	MANUAL, INSTRUCTION (KP-46S55(CND)/53S55(CND))	
	3-754-298-41	MANUAL, INSTRUCTION (KP-46S55(U)/53S55(U))	
	*4-030-895-01	JOINT	
	*4-037-126-01	INDIVIDUAL CARTON (KP-46S55)	
	*4-037-127-01	TRAY (KP-46S55)	
	*4-037-128-01	CUSHION (UPPER) (ASSY) (KP-46S55)	
	*4-037-129-01	CUSHION (LOWER) (ASSY) (KP-46S55)	
	*4-037-165-01	INDIVIDUAL CARTON (KP-53S55)	
	*4-037-166-01	TRAY (KP-53S55)	
	*4-037-167-01	CUSHION (UPPER) (ASSY) (KP-53S55)	
	*4-037-168-01	CUSHION (LOWER) (ASSY) (KP-53S55)	
	*4-037-328-01	PLATE, TOP (KP-53S55)	
	*4-037-674-01	PLATE, TOP (KP-46S55)	
	*4-037-918-01	PLATE, BOTTOM (KP-46S55)	
	*4-038-043-03	PLATE, BOTTOM (KP-53S55)	
	*4-041-423-01	SHEET, PROTECTION (KP-46S55)	
	*4-041-425-01	BAG, PROTECTION (KP-46S55)	
	*4-041-426-01	BAG, PROTECTION (KP-53S55)	
	*4-042-309-01	PALLET, CUSHION (KP-46S55)	
	*4-042-463-01	SHEET, PROTECTION (KP-53S55)	
REMOTE COMMANDER			
	1-467-653-11	REMOTE COMMANDER (RM-Y125)	
	9-903-826-01	COVER, BATTERY (FOR RM-Y125)	