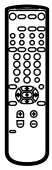
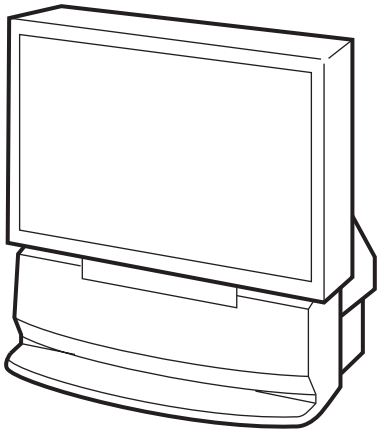
SERVICE MANUAL RA-2A CHASSIS

MODEL	COMMANDER	DEST.	CHASSIS NO.
KP-48S65R	RM-Y136A	US	SCC-N65J-A

MODEL	COMMANDER	DEST.	CHASSIS NO.



RM-Y136A



KP-48S65R

MICROFILM

* Please file according to model size. .....□

COLOR REAR VIDEO PROJECTOR

SONY®

SPECIFICATIONS

Projection system 3 picture tubes, 3 lenses, horizontal in-line system

Picture tube 7 inch high-brightness monochrome tubes (6.3 raster size), with optical coupling and liquid cooling system

Projection lenses High performance, large-diameter hybrid lens F1.1

Screen size 48 inches (measured diagonally)

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

Inputs/output

VIDEO IN 1
VIDEO IN 2 (VIDEO 2 INPUT)
S VIDEO (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 mVrms (100% modulation)
Impedance : 47 kilohms

VIDEO IN 3
VIDEO (phono jacks): 1 Vp-p, 75-ohms unbalanced, sync negative
AUDIO (phono jacks): 500 mVrms (100% modulation)
Impedance: 47 kilohms

MONITOR OUT
VIDEO (phono jack): 1 Vp-p, 75-ohms unbalanced, sync negative
AUDIO (phono jacks): 500 mVrms (100% modulation),
Impedance: 10 kilohms
AUDIO OUT (phono jacks): 900 mVrms (100% modulation)
Impedance: 5 kilohms

Speaker Full range speaker 100 mm (3.9 inches) diameter

Speaker output 15 W x 2

Power requirement 120 V AC, 60 Hz

Power consumption 165 W
Standby mode: 3 W

Dimensions 1,106 x 1,337 x 571 mm (W/H/D) (43 5/8 x 52 5/8 x 22 1/2 inches)

Mass 67 kg (147 lbs 11 oz)

Supplied accessories Remote control RM-Y136A (1)
Size AA (R6) battery (2)

Optional accessories U/V mixer EAC-66
Connecting cables RK-74A, RK-G34, VMC-810S/820S, YC-15V/30V
High-contrast protective screen SCN-48X2

Design and specifications are subject to change without notice.

SAFETY CHECK-OUT

After correcting the original service problem, perfom 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, through functioning, show obvious signs of deterioration. Point them out to the customer and recom mend their replacement.
6. Check the line cords 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 temminals, 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 microampers) . Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to usc 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. NearIy 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-l00 watts trouble light (not a neon lamp) between the hot side of the receptacle and the retaining screw. Try both slots, if necessary, to locate the hot side of the line, the lamp should light at normal brilliance if the screw is at ground potential. (See Fig. B)

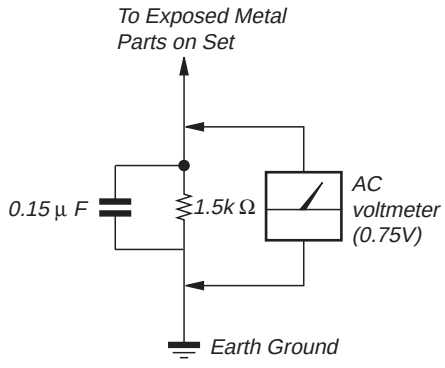


Fig. A. Using an AC voltmeter to check AC leakage.

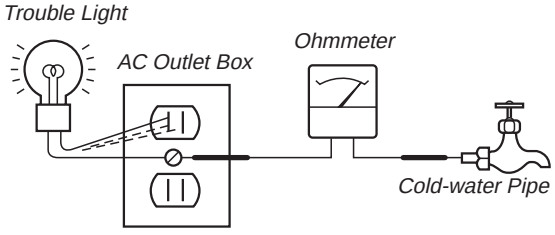


Fig. B. Checking for earth ground.

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

SECTION 1
GENERAL

The operating instructions mentioned here partial abstracts from the Operating Instructions Manual. The page numbers of the Operating Instruction Manual remain as in the manual.(part.no : 3-862-541-41)

Welcome!

Thank you for purchasing the Sony Color Rear Video Projection TV. Here are some of the features you will enjoy with your projection TV:

- On-screen menus that let you set the picture quality, sound, and other settings.
- Two tuner Picture-in-Picture (PIP) that allows you to watch another TV channel, video or cable image as a window picture.
- Surround system that simulates the sound quality of a concert hall or movie theater.
- SAVA SPEAKER option of the AUDIO menu that lets you take advantage of the Sony SAVA series speaker system's surround sound and super woofer mode when you connect it to the projection TV.

About this manual

Instructions in this manual are based on use of the remote control. You can also use the controls on the projection TV if they have the same name as those on the remote control.

Precautions

This projection TV operates on extremely high voltage. To prevent fire or electric shock, please follow the precautions below.

Safety

- Operate the projection TV only on 120 V AC.
- One blade of the plug is wider than the other for safety purposes and will fit into the power outlet only one way. If you are unable to insert the plug fully into the outlet, contact your dealer.
- Should any liquid or solid object fall into the cabinet, unplug the projection TV and have it checked by qualified personnel before operating it further.
- Unplug the projection TV from the wall outlet if you are not going to use it for several days or more. To disconnect the cord, pull it out by the plug. Never pull the cord itself.

For details concerning safety precautions, see the supplied leaflet "IMPORTANT SAFEGUARDS."

Note on cleaning

Clean the cabinet of the projection TV with a dry soft cloth. To remove dust from the screen, wipe it gently with a soft cloth using vertical strokes only. Stubborn stains may be removed with a cloth slightly dampened with solution of mild soap and warm water. Never use strong solvents such as thinner or benzine for cleaning. If the picture becomes dark after using the projection TV for a long period of time, it may be necessary to clean the inside of the projection TV. Consult qualified service personnel.

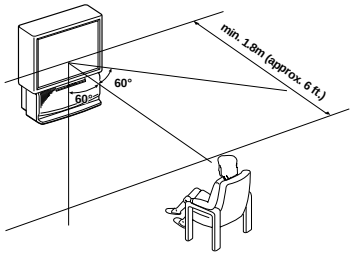
Installing

- To prevent internal heat build-up, do not block the ventilation openings.
- Do not install the projection TV in a hot or humid place, or in a place subject to excessive dust or mechanical vibration.
- Avoid operating the projection TV at temperatures below 5°C (41°F).
- If the projection TV is transported directly from a cold to a warm location, or if the room temperature has changed suddenly, the picture may be blurred or show poor color. This is because moisture has condensed on the mirror or lenses inside. If this happens, let the moisture evaporate before using the projection TV.
- To obtain the best picture, do not expose the screen to direct illumination or direct sunlight. It is recommended to use spot lighting directed down from the ceiling or to cover the windows that face the screen with opaque drapery. It is desirable to install the projection TV in a room where the floor and walls are not of reflecting material. If necessary, cover them with dark carpeting or wall paper.

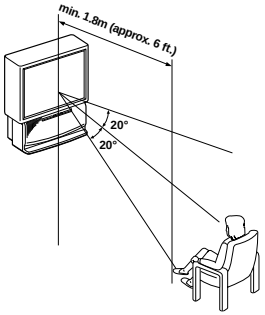
Step 1: Installing the projection TV

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

Optimum viewing area (Horizontal)

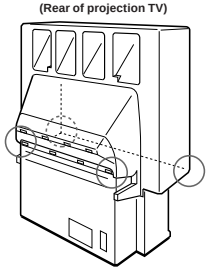


Optimum viewing area (Vertical)



Carrying your projection TV

Be sure to grasp the areas indicated when carrying the projection TV, and to use more than two people.



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Preparing for your projection TV

Before you use your projection TV, adjust convergence. For the procedure, see "Step 4: Setting up the projection TV automatically (AUTO SET UP)" on page **14**.

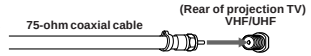
Step 2: Hookup

Although you can use either an indoor or outdoor antenna with your projection TV, we recommend that you connect an outdoor antenna or a cable TV system to get better picture quality.

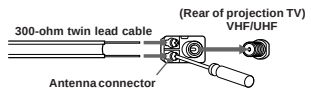
Connecting an antenna

Connect your antenna cable to the VHF/UHF antenna terminal. If you cannot connect your antenna cable directly to the terminal, follow one of the instructions below depending on your cable type.

A
- VHF only
  or
- VHF/UHF
  or
- Cable



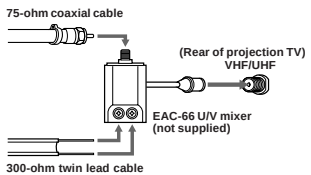
B
- VHF only
  or
- UHF only
  or
- VHF/UHF



C
- VHF

and

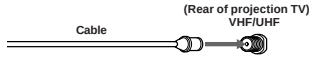
- UHF



Notes
- Most VHF/UHF combination antennas have a signal splitter. Remove the splitter before attaching the appropriate connector.
- If you use the U/V mixer, snow and noise may appear in the picture when viewing cable TV channels over 37.

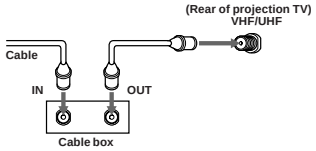
Connecting an antenna/cable TV system without a VCR

To cable or antenna

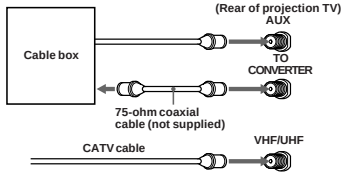


To cable box

If your cable company requires you to connect a cable box, make the connection as follows:



To cable box and cable

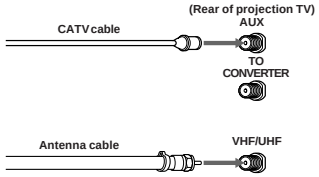


Pay cable TV systems use scrambled or encoded signals requiring a cable box* in addition to the normal cable connection.

* The cable box will be supplied by the cable company.

Note
- You cannot watch the signal through an AUX connector as a window picture.

To cable and antenna



Note
- Do not connect anything to the TO CONVERTER connector in this case.

Connecting an antenna/cable TV system with a VCR

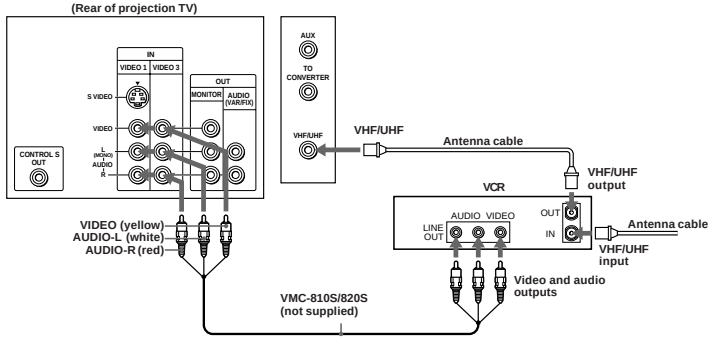
For details on connection, see your VCR instruction manual.
Before making the connection, disconnect the AC power cords of the equipment to be connected.

After making these connections, you will be able to do the following:
- View the playback of video tapes
- Record one TV program while viewing another program
- Watch two TV programs at once using PIP

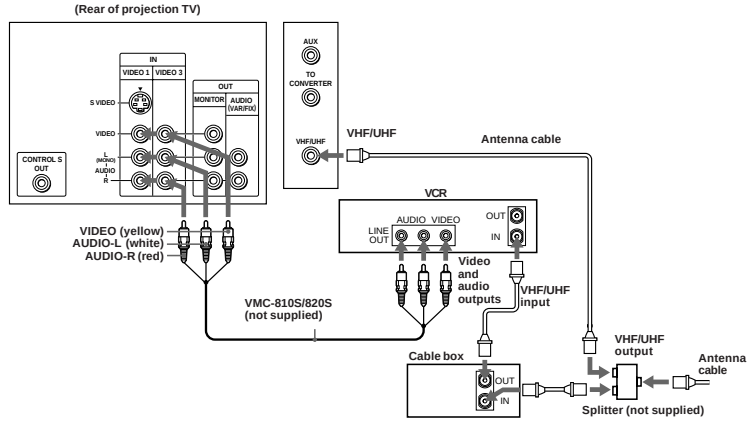
To a conventional VCR

Notes
- To connect a monaural VCR, connect the audio output of the VCR to AUDIO-L (MONO) of VIDEO 1/2/3 IN on the projection TV.

Without a cable box



With a cable box



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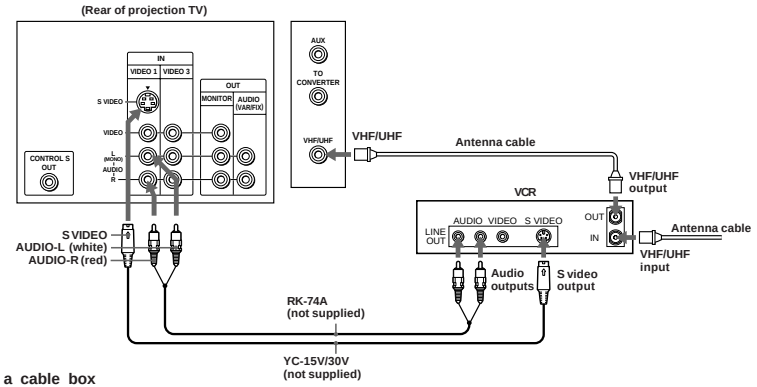
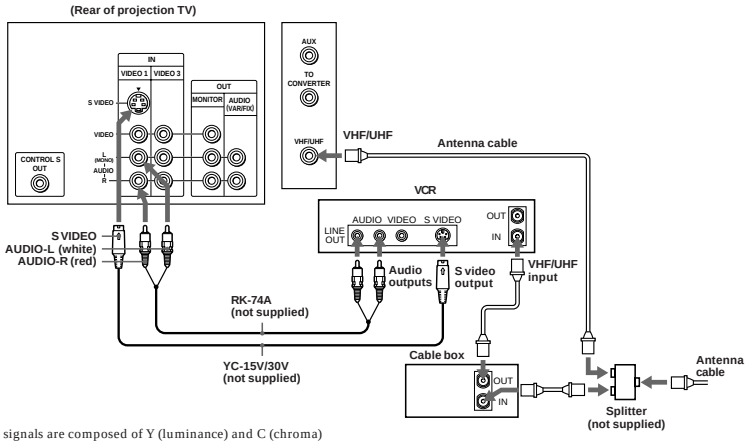
To an S video equipped VCR

If your VCR has an S VIDEO output connector, make the following connections.
Whenever you connect the cable to the S VIDEO input connector, the projection TV automatically receives S video signals.

Without a cable box



With a cable box



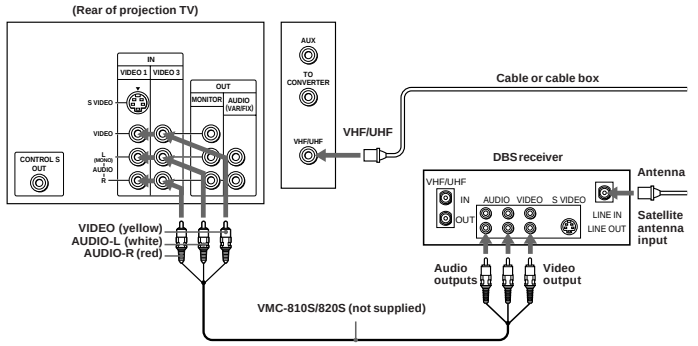
Note

- Video signals are composed of Y (luminance) and C (chroma) signals. The S connection sends the two signals separately preventing degradation, and gives better picture quality compared to conventional connections.

Connecting a DBS receiver

For details on connection, see the instruction manual of the DBS (Digital Broadcasting Satellites) receiver.

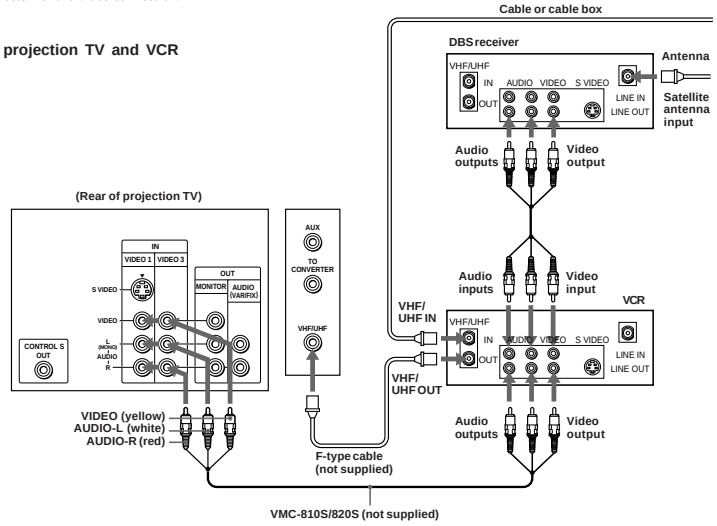
To a projection TV



Note

- You can use the S VIDEO connector or the composite video connector for the video connection.

To a projection TV and VCR



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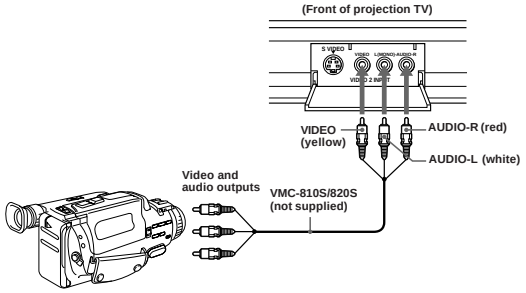
Connecting a camcorder

Use this connection to view a camcorder picture.

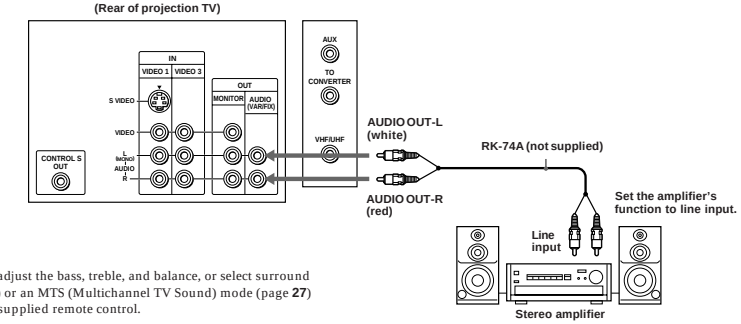


Note

- To connect a monaural camcorder, connect the audio output of the camcorder to AUDIO-L (MONO) of VIDEO 2 INPUT on the projection TV.

Connecting an audio system

When connecting audio equipment, see page **28** for more information.

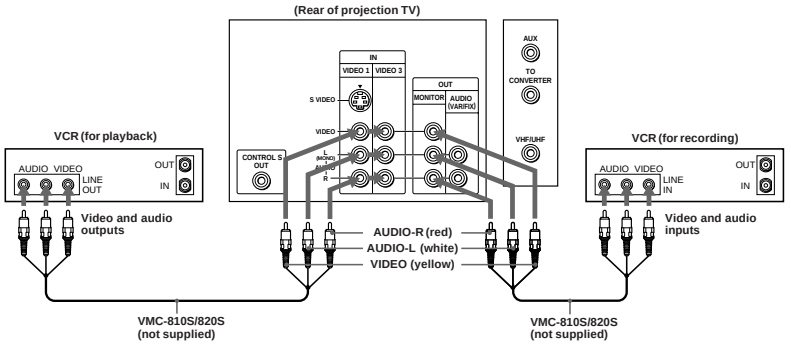


Note

- You can adjust the bass, treble, and balance, or select surround (page **26**) or an MTS (Multichannel TV Sound) mode (page **27**) with the supplied remote control.

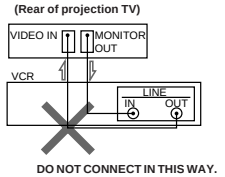
Connecting two VCRs for tape editing using MONITOR OUT

You can record input images displayed on the screen. This type of connection should be used only when you connect from the line input of one VCR, and from the line output of a second VCR.



Notes

- Do not change the input signal while editing through MONITOR OUT, or the output signal will also change.
- You can use the S video jack to connect a VCR for playback and the composite video connector to connect a VCR for recording.
- When connecting a single VCR to the projection TV, do not connect the MONITOR OUT to the VCR's line input, while at the same time connecting from the projection TV's VIDEO IN connectors to the VCR's line output, as shown below.



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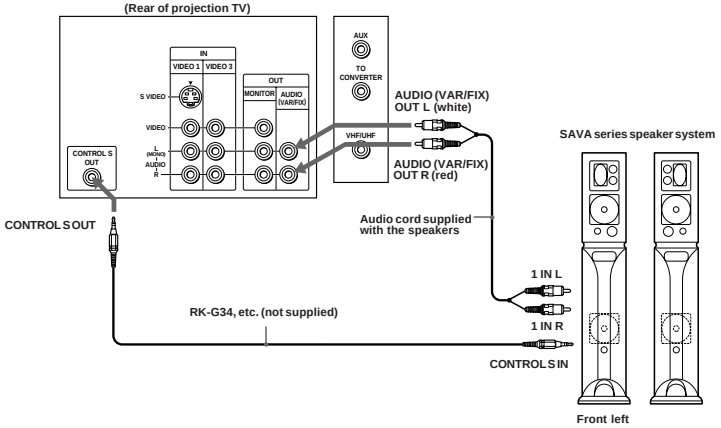
Connecting a Sony SAVA series speaker system

If you have a Sony SAVA series speaker system, connect your speakers to the AUDIO (VAR/FIX) OUT jacks on the rear of the projection TV with the audio cable supplied with the speakers. You can take advantage of the speakers' Dolby Pro Logic* surround system and super woofer mode, and control them with the supplied remote control. When connecting a Sony SAVA series speaker system, see page **27** for more information.

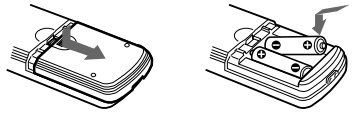
* Manufactured under license from Dolby Laboratories Licensing Corporation. Additionally licensed under Canadian patent number 1,037,877. "Dolby," the double-D symbol ◻◻ and "Pro Logic" are trademarks of Dolby Laboratories Licensing Corporation.



Step 3: Setting up the remote control

Inserting batteries

Insert two size AA (R6) batteries (supplied) by matching the + and – on the battery to the diagram inside the battery compartment.



Notes

- Under normal conditions, batteries will last up to six months. If the remote control does not operate properly or the indicators of the buttons on the remote control do not light up, the batteries may be worn out. When replacing batteries, replace both of them with new ones.
- Do not mix old batteries with new ones or mix different types of batteries together.
- If the electrolyte inside the battery should leak, wipe the contaminated area of the battery compartment with a cloth and replace the old batteries with new ones. To prevent the electrolyte from leaking, remove the batteries when you don't plan to use the remote control for a long period of time.
- Do not handle the remote control roughly. Do not drop it, step on it, or let it get wet.
- Do not place the remote control in direct sunlight, near a heater, or where the humidity is high.

Getting to know buttons on the remote control

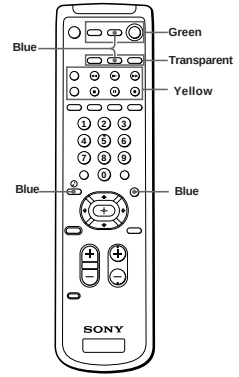
Names of buttons on the remote control are indicated in different colors to represent the available functions.

Button color

Transparent (light up) ..... TV / VCR / DBS / Cable box function buttons. Press the appropriate function button first to change the remote control's function.
Green ..... Buttons relevant to power operations.

Label color

White ..... TV / VCR / DBS / Cable box operation buttons.
Yellow ..... PIP operation buttons.
Blue ..... DBS operation buttons.

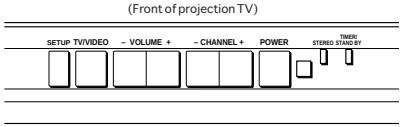


EN

Step 4: Setting up the projection TV automatically

(AUTO SET UP)

You can set up your projection TV easily by using the AUTO SET UP feature. It presets all the receivable channels, adjusts the convergence and changes the on-screen menu language. To set up the projection TV manually, see "Adjusting convergence" (page 16), "Setting cable TV on or off" (page 17), "Presetting channels" (page 18) and "Changing the menu language" (page 18).
If the projection TV is set to a video input, you cannot perform AUTO SET UP. Press TV / VIDEO so that a channel number appears.

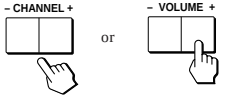


Before you start using AUTO SET UP, be sure to connect the antenna or cable to the projection TV (see page 6).

1 Press POWER to turn the projection TV on.

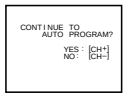
2 Press SETUP on the front of the projection TV.
AUTO SET UP screen appears.

3 Press CHANNEL +/– or VOLUME + to select the on-screen menu language.
If you prefer Spanish or French to English, you can change the on-screen menu language.



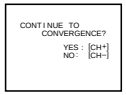
All of the menus will be set to the factory preset condition in the selected language.

4 Press VOLUME – to start AUTO SET UP.



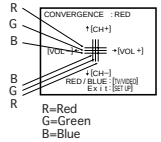
5 Press CHANNEL + to preset channels.

"AUTO PROGRAM" appears on the screen and the TV starts scanning and presetting channels automatically. When all the receivable channels are stored, "AUTO PROGRAM" disappears and the following menu appears. If the projection TV receives cable TV channels, CABLE is set to ON automatically.

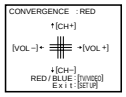


To exit AUTO PROGRAM
Press any button.

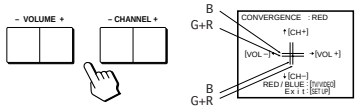
6 Adjust convergence.
(1) Press CHANNEL +.
The CONVERGENCE adjustment screen appears.



(2) Press TV / VIDEO to select RED or BLUE.

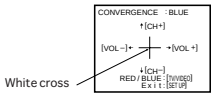


(3) Using CHANNEL + / – or VOLUME + / –, move the line until it converges with the center green line.



To move horizontal line up / down, press CHANNEL + / –.
To move vertical line right / left, press VOLUME + / –.

(4) Repeat steps (2) and (3) to adjust the other lines until all three lines converge and are seen as a white cross.



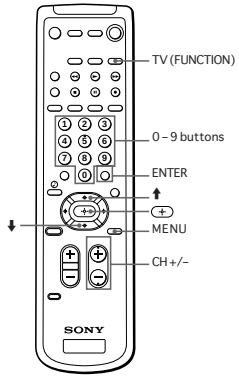
Note
- Using the AUX connector, press TV (black button) first and make sure that "AUX" is displayed beside the channel number on the screen. Then follow the steps 2 to 6 above to perform AUTO SET UP.

To preview the main functions (DEMO)
Press TV / VIDEO on the projection TV in step 4. The functions and menus are displayed one by one.

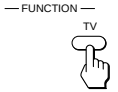
To exit DEMO
Press any button.

Erasing or adding channels

After AUTO SET UP, you can erase unnecessary channels or add the channels you want. Preset channels during the day rather than late at night, when some channels may not be broadcasting.

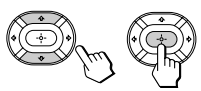


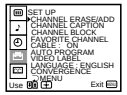
1 Press TV (FUNCTION).



2 Press MENU.
The main menu appears.

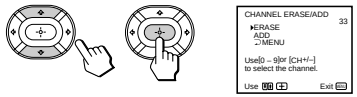
3 Press ↑ or ↓ to select 🚗, and press ⊕.
The SET UP menu appears.





4 **Press ↑ or ↓ to select CHANNEL ERASE/ADD, and press ⊕.**

The CHANNEL ERASE / ADD menu appears.

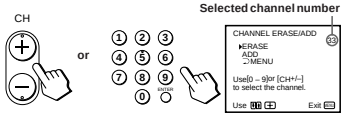


5 **Erase and/or add channels:**

To erase an unwanted channel

(1) Make sure the cursor (▶) is beside ERASE.

(2) Press CH + / – or the 0 – 9 buttons to select the channel you want to erase, and press ENTER.



(3) Press ⊕.

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 ↑ or ↓ to move the cursor (▶) to ADD.

(2) Press the 0 – 9 buttons to select the channel you want to add, and press ENTER.

(3) Press ⊕.

The "+" indication appears beside the channel number, showing that the channel is added to the preset memory.

6 **To erase and/or add other channels, repeat step 5.**

7 **Press MENU to return to the original screen.**

Notes

- 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.
- Erasing and adding channels is also available for the AUX input.

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.

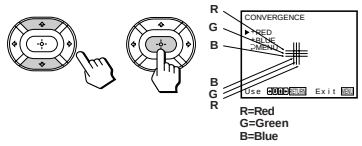
You do not have to do this procedure if you perform AUTO SET UP (page **14**). Do this procedure only when you want to adjust it manually.

1 **Press MENU.**

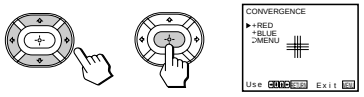
2 **Press ↑ or ↓ to select 🧰, and press ⊕.**

3 **Press ↑ or ↓ to select CONVERGENCE, and press ⊕.**

The CONVERGENCE adjustment screen appears.



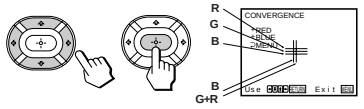
4 **Press ↑, ←, ↓, or → to move the cursor (▶) to the symbol showing the line you want to adjust, and press ⊕.**



+RED : Red vertical and horizontal line (left / right / up / down adjustment)

+BLUE : Blue vertical and horizontal line (left / right / up / down adjustment)

5 **Press ↑, ←, ↓, or → to move the line until it converges with the center green line, and press ⊕.**



To move	Press
Up	↑
Down	↓
Right	→
Left	←

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.**

Setting cable TV on or off

If you have connected the projection TV to a cable TV system, set CABLE to ON (the factory setting). If not, set CABLE to OFF.

You do not have to do this procedure if you perform AUTO SET UP (page **14**). Do this procedure only when you want to set it manually.

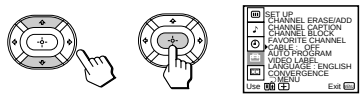
1 **Press MENU.**

2 **Press ↑ or ↓ to select 🧰, and press ⊕.**

3 **Set CABLE to ON or OFF:**

(1) Press ↑ or ↓ to move the cursor (▶) to CABLE, and press ⊕.

(2) Press ↑ or ↓ to select ON or OFF, and press ⊕.



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

Note

- If CABLE appears in gray, the projection TV is set to a video input and you cannot select CABLE. Press TV (black button) so that a channel number appears.

EN

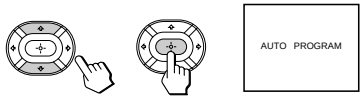
Presetting channels

You can preset TV channels easily by using the AUTO PROGRAM feature.
You do not have to do this procedure if you perform AUTO SET UP (page 14). Do this procedure only when you want to set it manually.

1 **Press MENU.**

2 **Press ↑ or ↓ to select 🖷, and press ⊕.**

3 **Press ↑ or ↓ to select AUTO PROGRAM, and press ⊕.**



"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.

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

To exit AUTO PROGRAM
Press any button.

Notes
- If the AUTO PROGRAM menu appears in gray, the projection TV is set to a video input and you cannot select AUTO PROGRAM. Press ANT button so that a channel number appears.
- Presetting channels is also available for the AUX input.

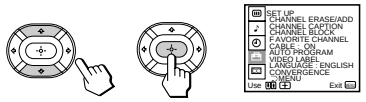
Changing the menu language

If you prefer Spanish or French to English, you can change the menu language.
You do not have to do this procedure if you select the language during AUTO SET UP (page 14). Do this procedure only when you want to set it manually.

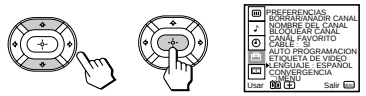
1 **Press MENU.**

2 **Press ↑ or ↓ to select 🖷, and press ⊕.**

3 **Press ↑ or ↓ to select LANGUAGE, and press ⊕.**

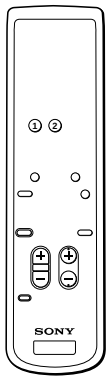


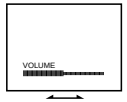
4 **Press ↑ or ↓ to select your favorite language, "ENGLISH", "ESPAÑOL," or "FRANÇAIS" and press ⊕.**



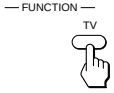
5 **Press MENU to return to the original screen.**

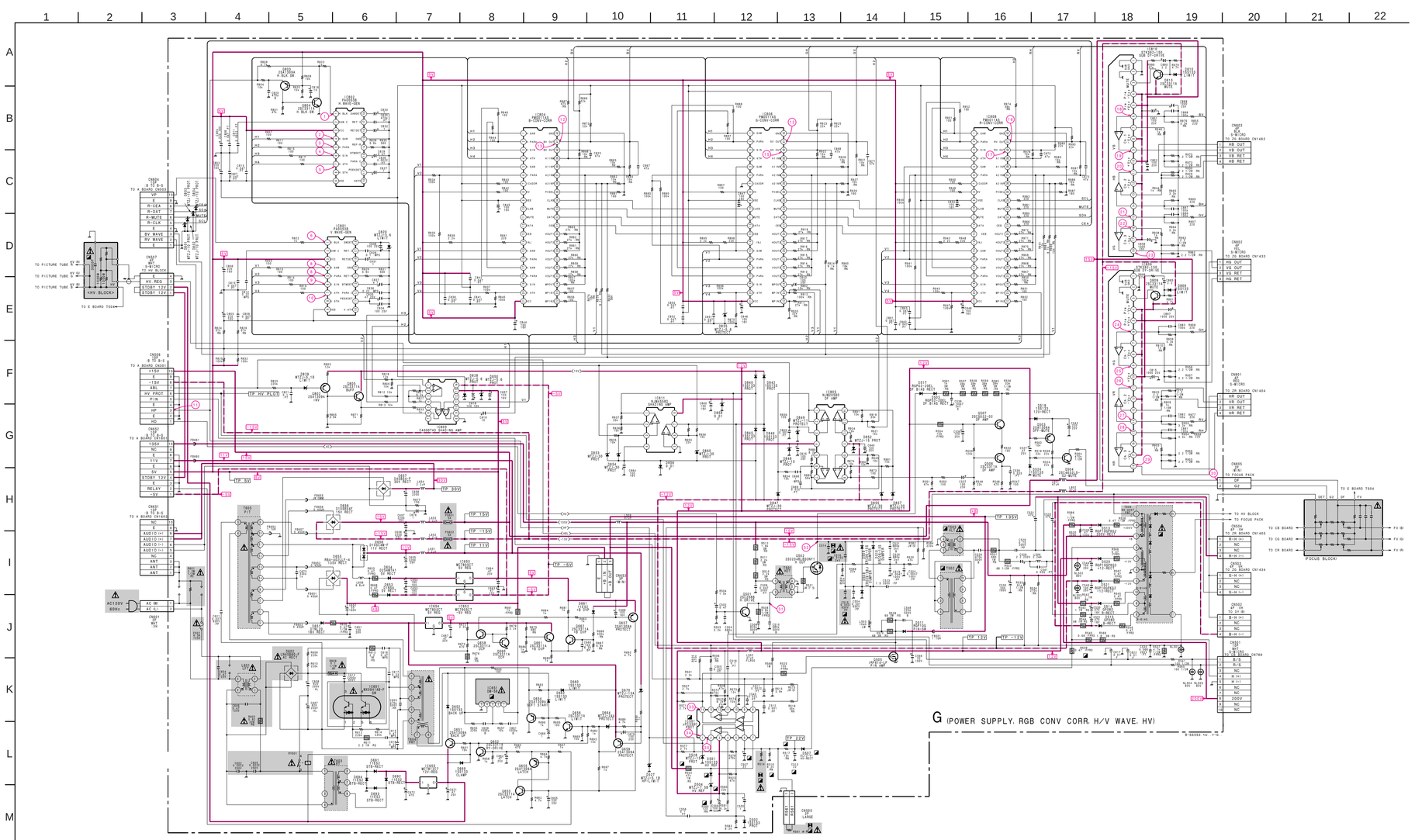
Note
- Certain parts of the Spanish or French menus remain in English.





EN





G (POWER SUPPLY, RGB CONV, CORR, H/V WAVE, HV)

G BOARD IC VOLTAGE LIST

REF.	Pin NO.	VOL.	REF.	Pin NO.	VOL.	REF.	Pin NO.	VOL.	REF.	Pin NO.	VOL.	REF.	Pin NO.	VOL.
IC501	①	3.4	IC802	①	0.5	IC804	㉘	0		㉔	0	IC809	㉖	0
	②	0.7		②	1.1		㉙	0.5		㉕	0		㉗	0
	③	12.1		③	4.9		㉚	4.7		㉖	0		㉘	0
	④	3.3		④	0		㉛	0.1		㉗	0		㉙	0
	⑤	1.8		⑤	-0.9		㉜	4.9		㉘	0		㉚	0
	⑥	7.9		⑥	0		㉝	4.8		㉙	0.4		㉛	-0.2
	⑦	8.1		⑦	-1.0		㉞	0		㉚	4.7		㉜	0.4
	⑧	1.4		⑧	-5.1		㉟	0		㉛	0.1		㉝	GND
	⑨	2.2	IC803	㉕	0		㊱	0		㉜	4.9		①	GND
	⑩	5.5		㉖	-0.9		㊲	0		㉝	4.8		②	GND
	⑪	1.8		㉗	0.3		㊳	0		㉞	0		③	-14.3
	⑫	GND		㉘	1.2		㊴	0		㉟	0		④	-15.3
	⑬	1.4		㉙	GND		㊵	0.2		㊱	0		⑤	14.5
	⑭	9.9		㉚	-1.9		㊶	GND		㊲	0		⑥	-0.1
	①	GND		㉛	1.2		①	7.2		㊳	0		⑦	-0.1
	②	-1.9		㉜	-1.1		②	7.2		㊴	0		⑧	-15.3
●IC601	③	136.0		①	-0.4		③	7.0		㊵	0.1		⑨	-0.2
	④	274.0		②	-0.4		④	12.1		㊶	GND		⑩	14.5
	⑤	136.0		③	-0.3		⑤	0		①	0		⑪	0.5
	⑥	134.0		④	-0.3		⑥	0		②	-0.9		⑫	-15.3
	①	134.0		⑤	1.6		⑦	0		③	0		⑬	0.3
	②	2.4	IC804	⑥	0.3	IC805	⑧	-0.8		④	-1.0		⑭	0.3
IC651	④	13.8		⑦	GND		⑨	0		⑤	0		⑮	-0.2
	⑤	GND		⑧	0		⑩	0		⑥	-0.4		⑯	-0.2
	⑥	-11.5		⑨	0		⑪	-12.3		⑦	4.9		⑰	-15.3
IC652	G	GND		⑩	0		⑫	0	IC808	⑧	4.9		⑱	-0.4
	O	-5.1		⑪	4.9		⑬	0		⑨	-5.1		①	GND
	I	10.6		⑫	-5.1		⑭	0.8		⑩	4.8		②	GND
IC653	G	GND		①	0		①	0		⑪	4.9		③	-14.5
	O	4.9		②	-0.9		②	-0.9		⑫	0.1		④	-15.3
	I	18.0		③	0		③	0		⑬	4.7		⑤	14.5
IC654	G	GND		④	-1.0		④	-1.0		⑭	-2.1		⑥	0.2
	O	5.0		⑤	0		⑤	0		⑮	0		⑦	0.2
	I	15.7		⑥	-0.4		⑥	-0.4		⑯	-0.8		⑧	-15.3
IC655	G	GND		⑦	-5.1		⑦	GND		⑰	0		⑨	0.3
	O	11.9		⑧	4.9		⑧	4.9		⑱	-0.9		⑩	14.5
IC801	①	0.2	IC804	⑨	-5.1	IC806	⑨	-5.1		⑲	0	IC810	⑪	0.1
	②	1.2		⑩	-2.2		⑩	4.8		⑳	-0.5		⑫	-15.3
	③	4.9		⑪	0		⑪	4.9		㉑	4.9		⑬	0
	④	0		⑫	-0.8		⑫	0.1		㉒	0.1		⑭	0
	⑤	-0.8		⑬	0		⑬	4.7		㉓	0		⑮	0.1
	⑥	0		⑭	-0.9		⑭	-2.1		㉔	0		⑯	0.1
	⑦	-1.1		⑮	0		⑮	0		㉕	-0.5		⑰	-15.3
	⑧	-5.1		⑯	-0.5		⑯	-0.8		㉖	0		⑱	0.2
	⑨	0.4		⑰	4.9		⑰	0		㉗	0	IC811	①	-1.2
	⑩	-0.9		⑱	0		⑱	-0.9		㉘	0		②	-0.3
	⑪	0.3		㉑	-0.1		⑲	0		㉙	0.2		③	-0.3
	⑫	1.2		㉒	0		⑳	-0.5		㉚	0.2		④	-12.3
	⑬	GND		㉓	-0.4		㉑	4.9		㉛	4.7		⑤	GND
	⑭	-1.5		㉔	0		㉒	-0.4		㉜	0		⑥	0
	⑮	1.2		㉕	0		㉓	0		㉝	4.9		⑦	0.6
	⑯	-1.6		㉖	0		㉔	0		㉞	4.8		⑧	12.1

•All voltage are in V.
•Pin number which are not described are not used.
● : The figures in the parenthese are the voltage difference from primary side ground.

• G BOARD WAVEFORMS

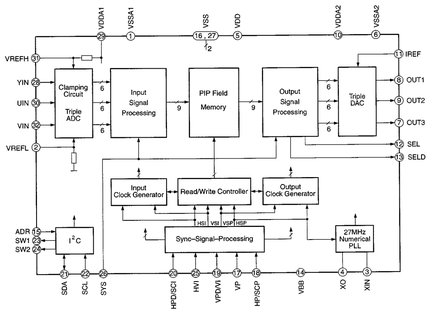
① 4.8Vp-p (H)	② 25.0Vp-p (H)	③ 2.4Vp-p (H)	④ 2.2Vp-p (H)	
⑤ 2.4Vp-p (H)	⑥ 5.0Vp-p (V)	⑦ 2.5Vp-p (V)	⑧ 2.5Vp-p (V)	
⑨ 2.4Vp-p (V)	⑩ 2.4Vp-p (V)	⑪ 4.8Vp-p (H)	⑫ 2.8Vp-p (V)	
⑬ 0.7Vp-p (H)	⑭ 2.6Vp-p (V)	⑮ 0.2Vp-p (H)	⑯ 2.8Vp-p (V)	
⑰ 0.6Vp-p (H)	⑱ 2.7Vp-p (V)	⑲ 22.0Vp-p (V)	⑳ 10.0Vp-p (V)	
㉑ 0.7Vp-p (H)	㉒ 2.5Vp-p (V)	㉓ 15.0Vp-p (V)	㉔ 0.2Vp-p (H)	
㉕ 6.0Vp-p (H)	㉖ 22.0Vp-p (V)	㉗ 2.6Vp-p (V)	㉘ 0.6Vp-p (H)	
㉙ 7.0Vp-p (H)	㉚ 500.0Vp-p (V)	㉛ 80.0Vp-p (H)	㉜ 1100Vp-p (H)	
㉝ 12.0Vp-p (H)	㉞ 4.8Vp-p (H)	㉟ 4.8Vp-p (H)		

G BOARD TRANSISTOR VOLTAGE LIST

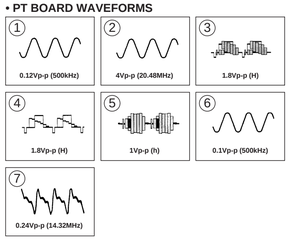
REF.		VOL.	REF.		VOL.
Q501	B	-0.4	Q656	B	0
	E	GND		E	GND
	C	47.0		C	13.6
Q502	B	GND	Q657	B	4.9
	E	GND		E	4.9
	C	140.0		C	0
Q503	B	0.5	Q658	B	0.6
	E	2.4		E	0.4
	C	0		C	4.9
Q504	B	0	Q659	B	17.6
	E	GND		E	17.6
	C	0.5		C	0
Q505	G	9.9	Q660	B	0.8
	D	21.9		E	GND
	S	GND		C	0.6
Q506	B	1.7	Q661	B	3.1
	E	1.1		E	2.4
	C	11.3		C	5.2
Q507	B	12.1	Q662	B	2.7
	E	11.5		E	2.4
	C	780.0		C	4.9
Q651	B	11.2	Q802	B	4.0
	E	11.9		E	4.9
	C	11.9		C	2.3
Q652	B	0.7	Q805	B	2.3
	E	GND		E	1.7
	C	0		C	12.1
Q653	B	0	Q809	B	-15.3
	E	GND		E	-15.3
	C	1.7		C	-14.3
Q654	B	13.6	Q810	B	-15.3
	E	14.0		E	-15.3
	C	GND		C	-14.5
Q655	B	1.7			
	E	1.7			
	C	0			

All voltages are in V.

PT BOARD : IC5052 SDA9288X-GEG



• PT BOARD WAVEFORMS



PT BOARD IC VOLTAGE LIST

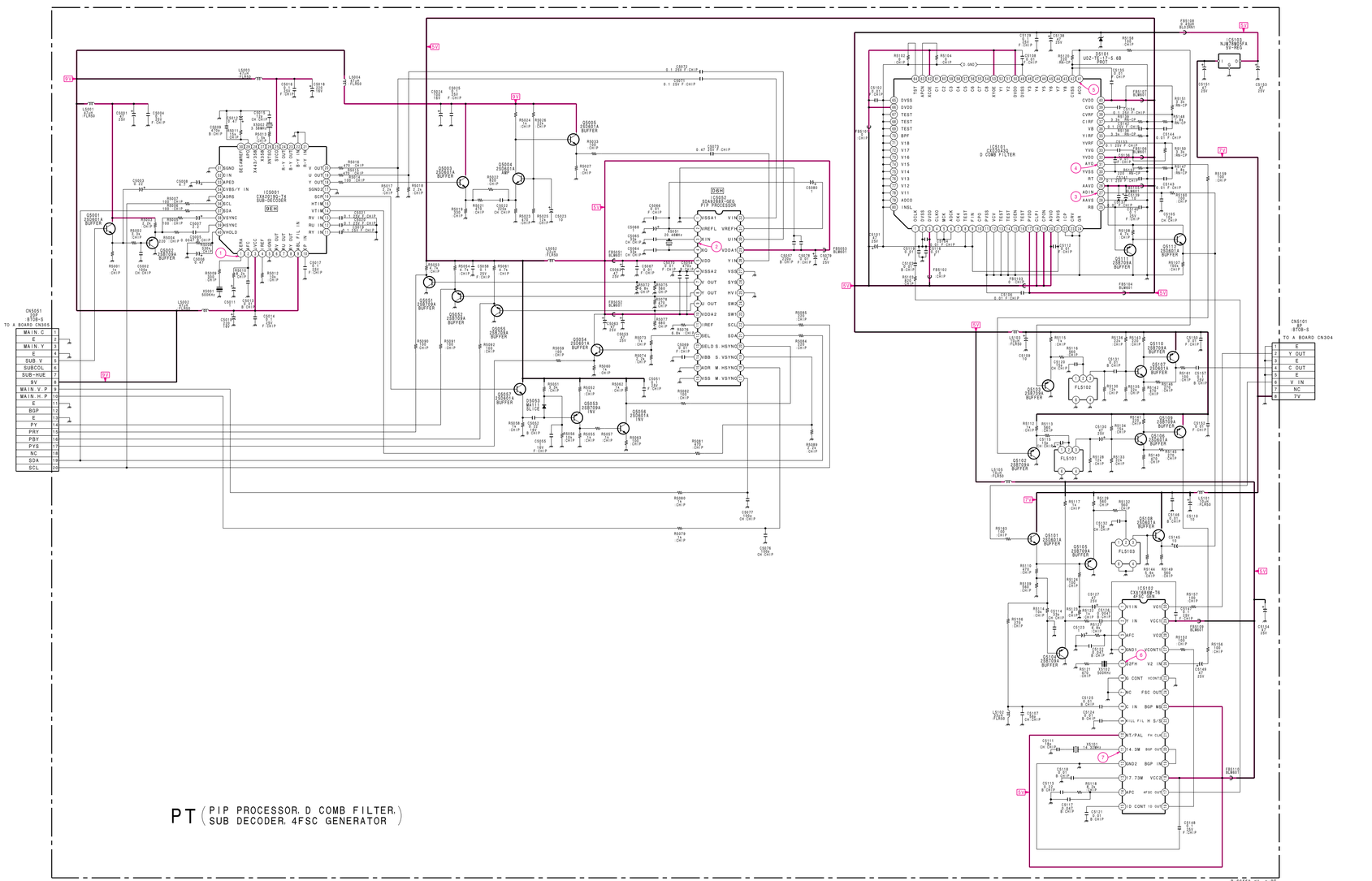
REF.	Pin NO.	VOL.	REF.	Pin NO.	VOL.
IC5001	①	2.3	IC5101	㉕	GND
	②	4.1		㉖	GND
	③	9.0		㉗	4.9
	④	0		㉘	4.9
	⑤	GND		㉙	4.9
	⑥	9.0		㉚	4.9
	⑦	1.0		㉛	GND
	⑧	3.8		㉜	GND
	⑨	4.5		㉝	GND
	⑩	4.6		㉞	GND
	⑪	0.1		㉟	1.5
	⑫	0.7		㊱	GND
	⑬	GND		㊲	1.5
	⑭	2.8		㊳	4.9
	⑮	2.9		㊴	2.6
	⑯	2.9		㊵	GND
	⑰	GND		㊶	0.9
	⑱	GND		㊷	4.9
	⑲	9.0		㊸	2.9
	⑳	2.4		㊹	1.8
	㉑	4.5		㊺	1.8
	㉒	GND		㊻	0.9
	㉓	3.3		㊼	0
	㉔	3.6		㊽	0
	㉕	GND		㊾	0
	㉖	4.8		㊿	4.9
	㉗	4.8		(51)	0.9
	㉘	4.1		(52)	GND
	㉙	3.3		(53)	GND
	㉚	0.7		(54)	4.9
IC5052	①	GND		(55)	GND
	②	4.9		(56)	GND
	③	2.4		(57)	GND
	④	2.2		(58)	5.0
	⑤	4.9		(59)	0
	⑥	GND		(60)	GND
	⑦	0.4		(61)	GND
	⑧	0		(62)	GND
	⑨	0.5		(63)	GND
	⑩	4.9		(64)	GND
	⑪	1.9		(65)	GND
	⑫	0		(66)	GND
	⑬	-3.0		(67)	GND
	⑭	GND		(68)	GND
	⑮	GND		(69)	GND
	⑯	0.1		(70)	GND
	⑰	0.7		(71)	GND
	⑱	0.1		(72)	GND
	⑲	0.5		(73)	GND
	⑳	4.8		(74)	GND
	㉑	4.8	IC5102	①	2.2
	㉒	GND		②	2.0
	㉓	GND		③	2.5
	㉔	1.6		④	1.1
	㉕	4.9		⑤	0
	㉖	2.2		⑥	4.8
	㉗	3.9		⑦	3.1
	㉘	2.2		⑧	4.4
IC5101	①	2.4		⑨	2.6
	②	GND		⑩	2.5
	③	4.9		⑪	4.0
	④	2.3		⑫	3.2
	⑤	2.3		⑬	3.9
	⑥	2.3		⑭	3.9
	⑦	GND		⑮	2.1
	⑧	GND		⑯	0
	⑨	GND		⑰	2.2
	⑩	GND			

•All voltage are in V.
•Pin numbers which are not described are not used.

PT BOARD TRANSISTOR VOLTAGE LIST

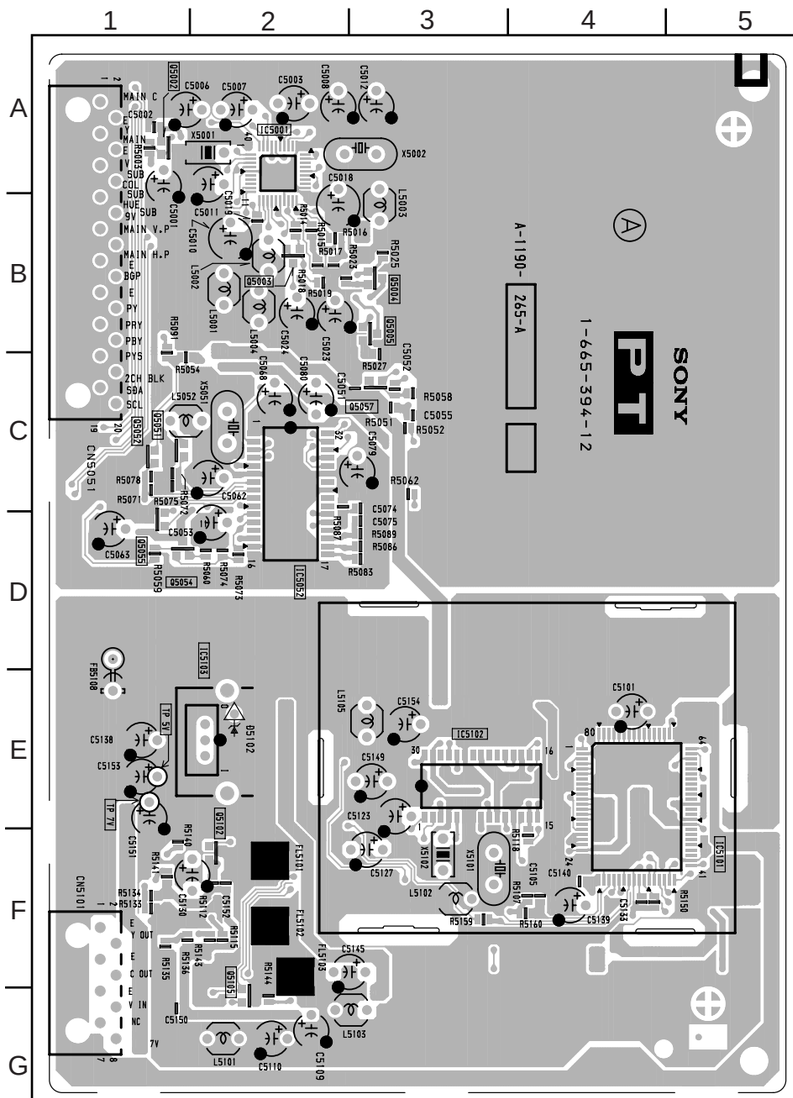
REF.		VOL.	REF.		VOL.
Q5001	B	6.5	Q5101	B	2.5
	E	5.8		E	1.9
	C	8.8		C	5.0
Q5002	B	5.8	Q5102	B	0.9
	E	6.5		E	1.8
	C	GND		C	GND
Q5003	B	2.8	Q5103	B	0.9
	E	2.2		E	1.6
	C	8.5		C	GND
Q5004	B	2.9	Q5104	B	0.8
	E	2.2		E	1.5
	C	4.1		C	GND
Q5005	B	4.1	Q5105	B	1.9
	E	3.5		E	2.6
	C	8.5		C	GND
Q5051	B	0.4	Q5106	B	2.4
	E	1.0		E	1.7
	C	GND		C	4.4
Q5052	B	0	Q5107	B	2.4
	E	0.5		E	1.7
	C	GND		C	4.4
Q5053	B	∞	Q5108	B	2.3
	E	∞		E	1.7
	C	∞		C	5.0
Q5054	B	0	Q5109	B	4.4
	E	0		E	5.0
	C	4.9		C	2.0
Q5055	B	0.5	Q5110	B	4.4
	E	1.1		E	5.0
	C	GND		C	2.0
Q5056	B	∞	Q5111	B	1.5
	E	∞		E	2.1
	C	∞		C	GND
Q5057	B	0	Q5112	B	2.1
	E	0		E	1.5
	C	4.9		C	4.9

All voltages are in V.

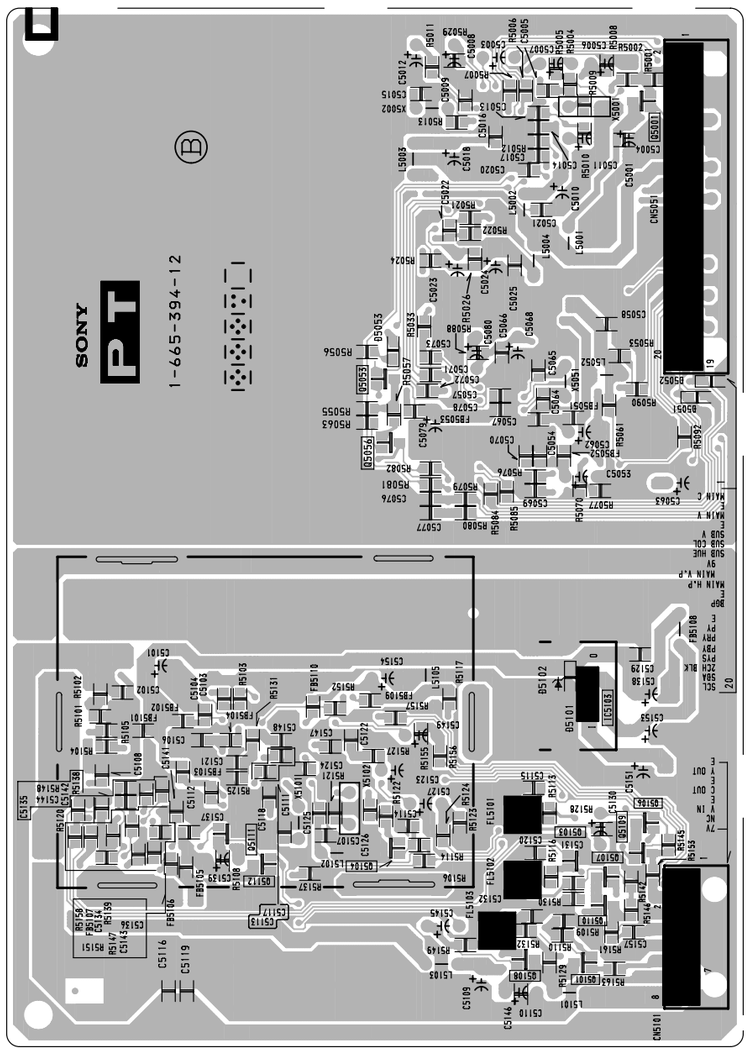


PT [DIGITAL COMB FILTER, PIP PROCESSOR, SUB DEC, 4FSC GNE]

– PT Board –



< Component Side >



< Conductor Side >

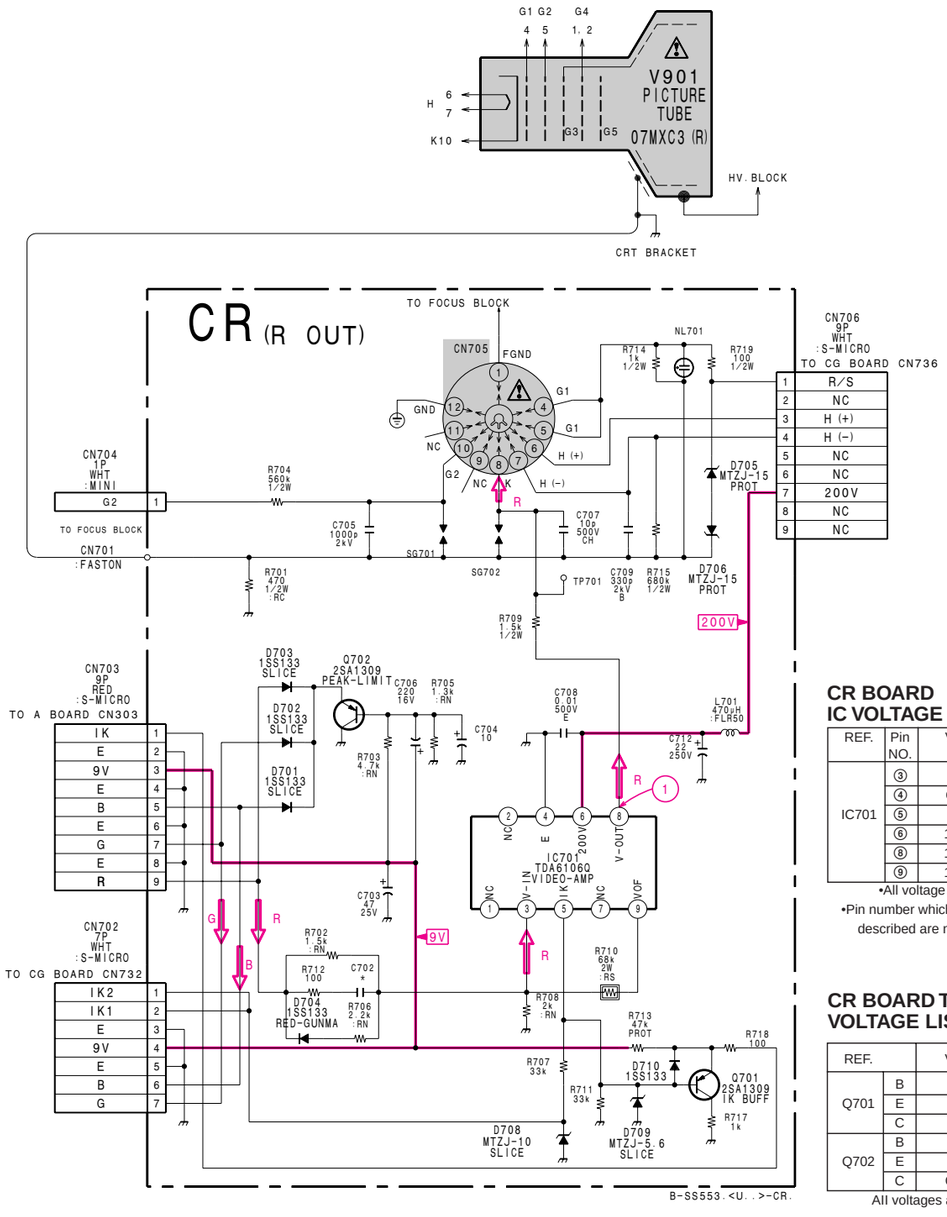
PT BOARD

DIODE		*
D5053	C-8	③
D5101	E-9	③

TRANSISTOR		*
Q5001	A-10	①
Q5002	A-1	②
Q5003	B-2	②
Q5004	B-3	②
Q5005	B-3	②
Q5051	C-1	②
Q5052	C-1	②
Q5053	C-8	①
Q5054	D-1	②
Q5055	D-1	②
Q5056	C-8	①
Q5057	C-3	②
Q5101	G-9	①
Q5102	F-2	②
Q5103	F-9	①
Q5104	F-8	①
Q5105	G-2	②
Q5106	F-10	①
Q5107	F-10	①
Q5108	G-9	①
Q5109	F-9	①
Q5110	F-9	①
Q5111	H-7	①
Q5112	H-7	①

IC	
IC5001	A-2
IC5052	C-2
IC5101	E-4
IC5102	E-3
IC5103	E-2, E-9

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



CR BOARD IC VOLTAGE LIST

REF.	Pin NO.	VOL.
IC701	③	2.6
	④	GND
	⑤	4.1
	⑥	196.5
	⑧	137.1
	⑨	135.0

•All voltage are in V.
•Pin number which are not described are not used.

CR BOARD TRANSISTOR VOLTAGE LIST

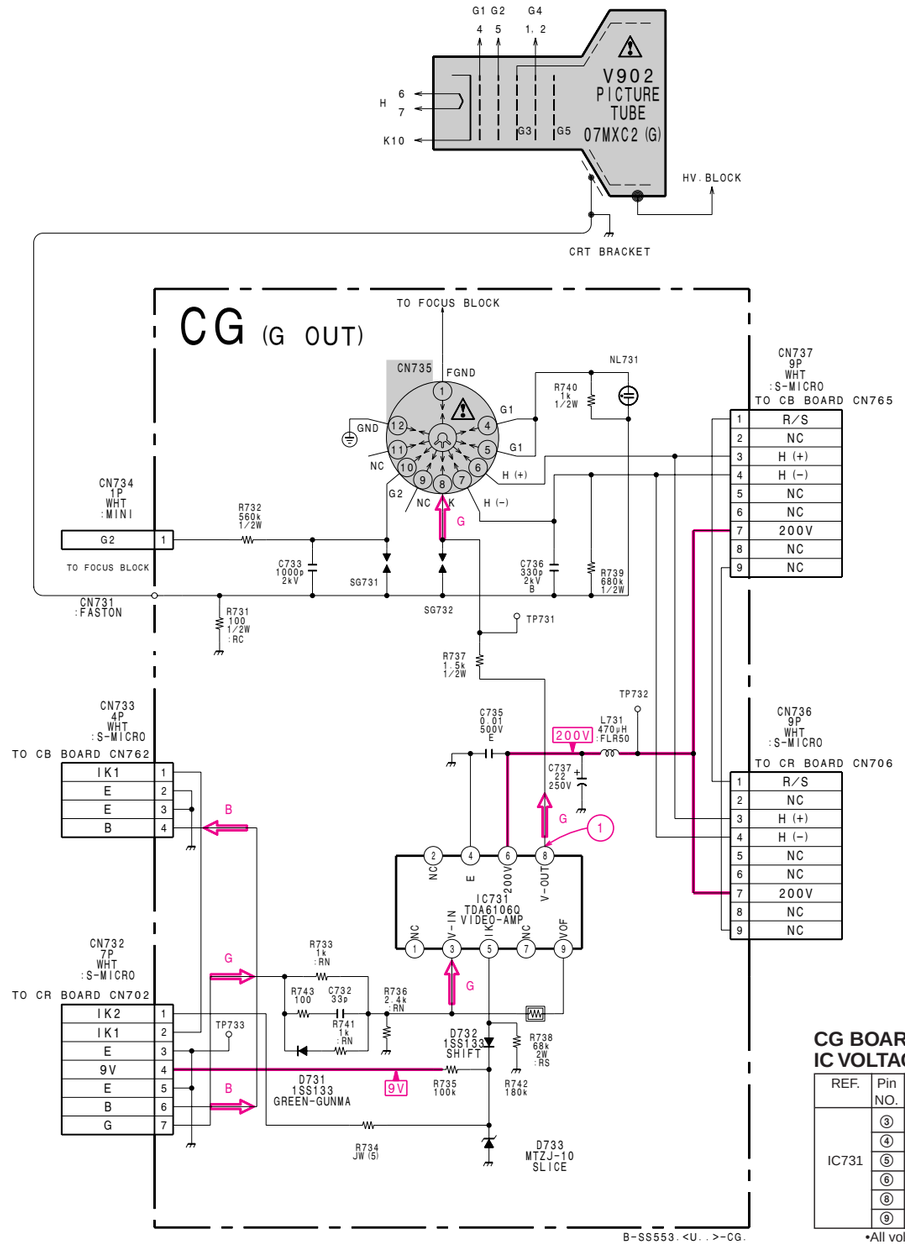
REF.		VOL.
Q701	B	4.1
	E	4.4
	C	0
Q702	B	1.9
	E	2.2
	C	GND

All voltages are in V.

• CR BOARD WAVEFORM

①

140Vp-p (H)



CG BOARD IC VOLTAGE LIST

REF.	Pin NO.	VOL.
IC731	③	2.5
	④	GND
	⑤	3.5
	⑥	199.6
	⑧	145.0
	⑨	144.6

•All voltage are in V.
•Pin number which are not described are not used.

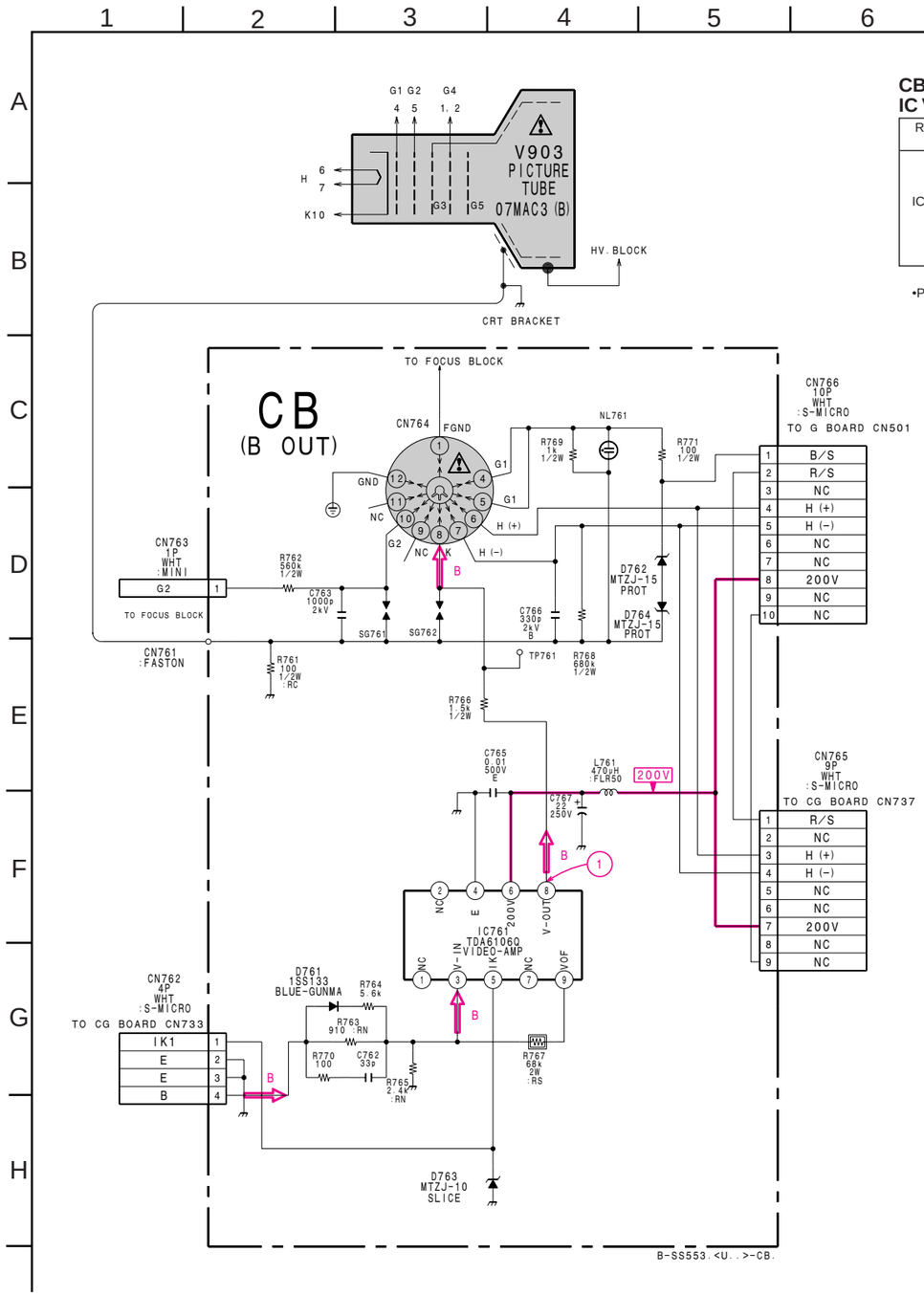
• CG BOARD WAVEFORM

①

160Vp-p (H)

Schematic diagram
← CR board

Schematic diagram
CG board →

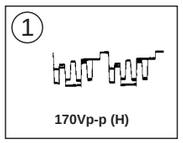


CB BOARD IC VOLTAGE LIST

REF.	Pin NO.	VOL.
IC761	③	2.5
	④	GND
	⑤	4.9
	⑥	199.6
	⑧	113.0
	⑨	109.7

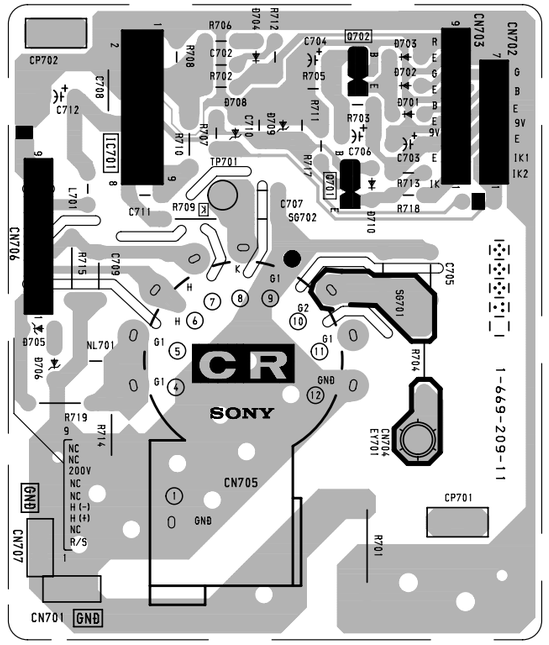
•All voltage are in V.
•Pin number which are not described are not used.

• CB BOARD WAVEFORM

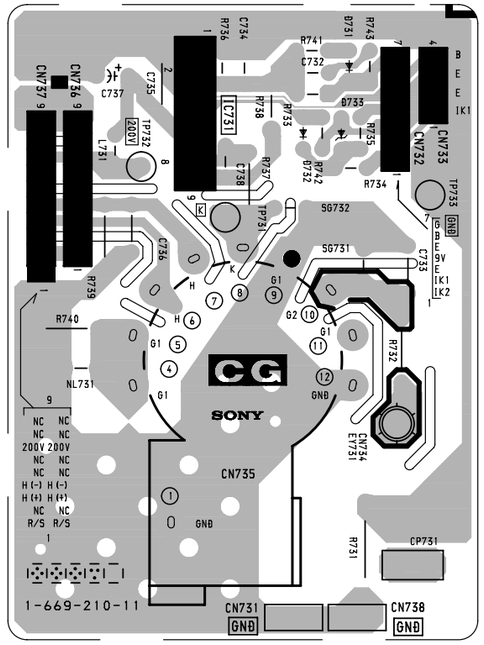


CR [R OUT] **CG** [G OUT] **CB** [B OUT]

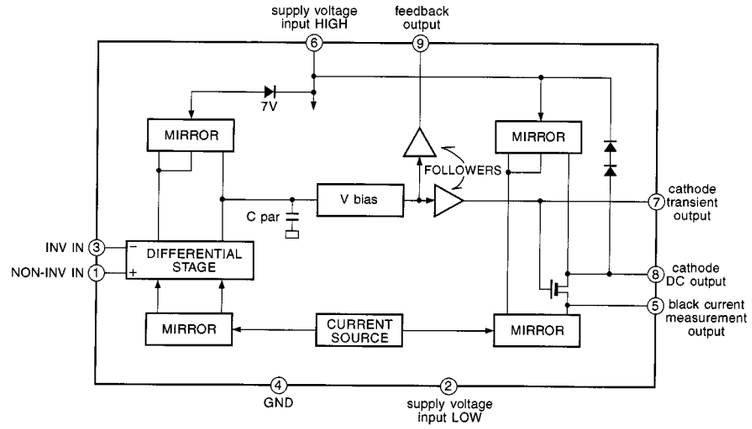
– CR Board –



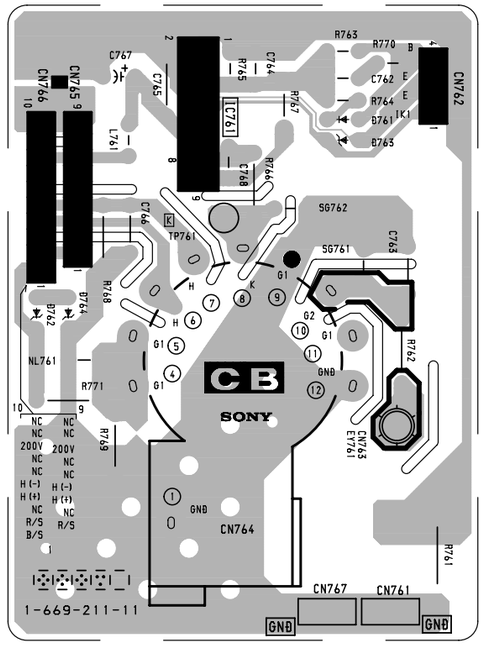
– CG Board –



CR BOARD : IC701 TDA6106Q
CG BOARD : IC701 TDA6106Q
CB BOARD : IC701 TDA6106Q



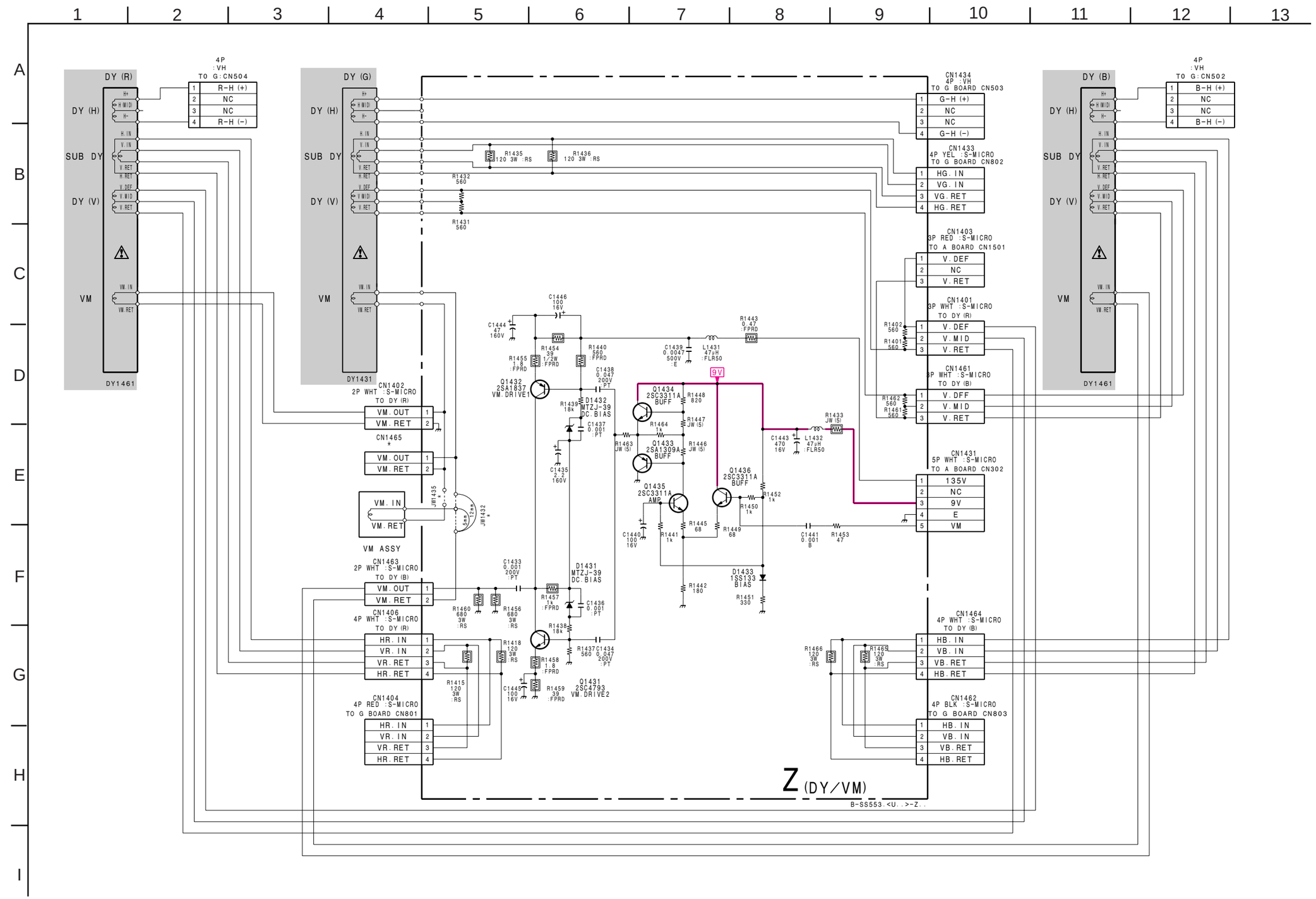
– CB Board –



Z BOARD TRANSISTOR VOLTAGE LIST

REF.		VOL.
Q1431	B	0.9
	E	0.5
	C	67.2
Q1432	B	134.4
	E	138.4
	C	67.2
Q1433	B	5.7
	E	5.8
	C	GND
Q1434	B	5.7
	E	5.8
	C	9.0
Q1435	B	2.7
	E	2.1
	C	5.7
Q1436	B	2.7
	E	2.1
	C	9.0

All voltages are in V.

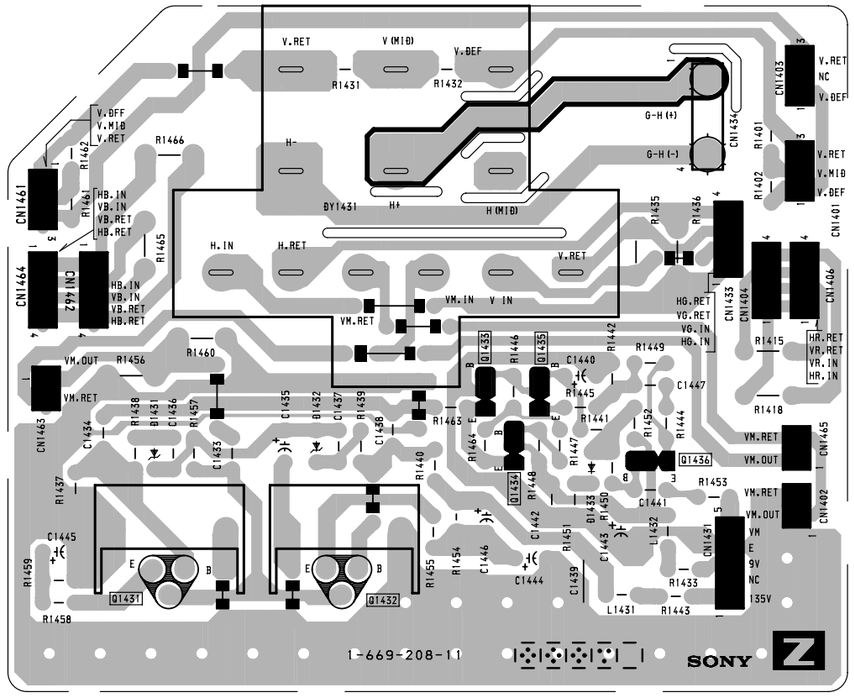


Schematic diagram
← CB board

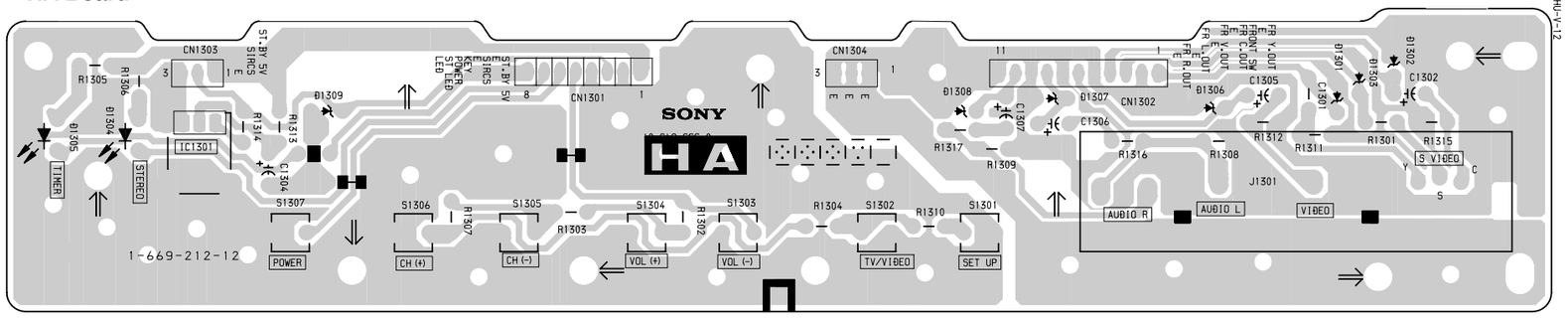
Schematic diagram
Z board →

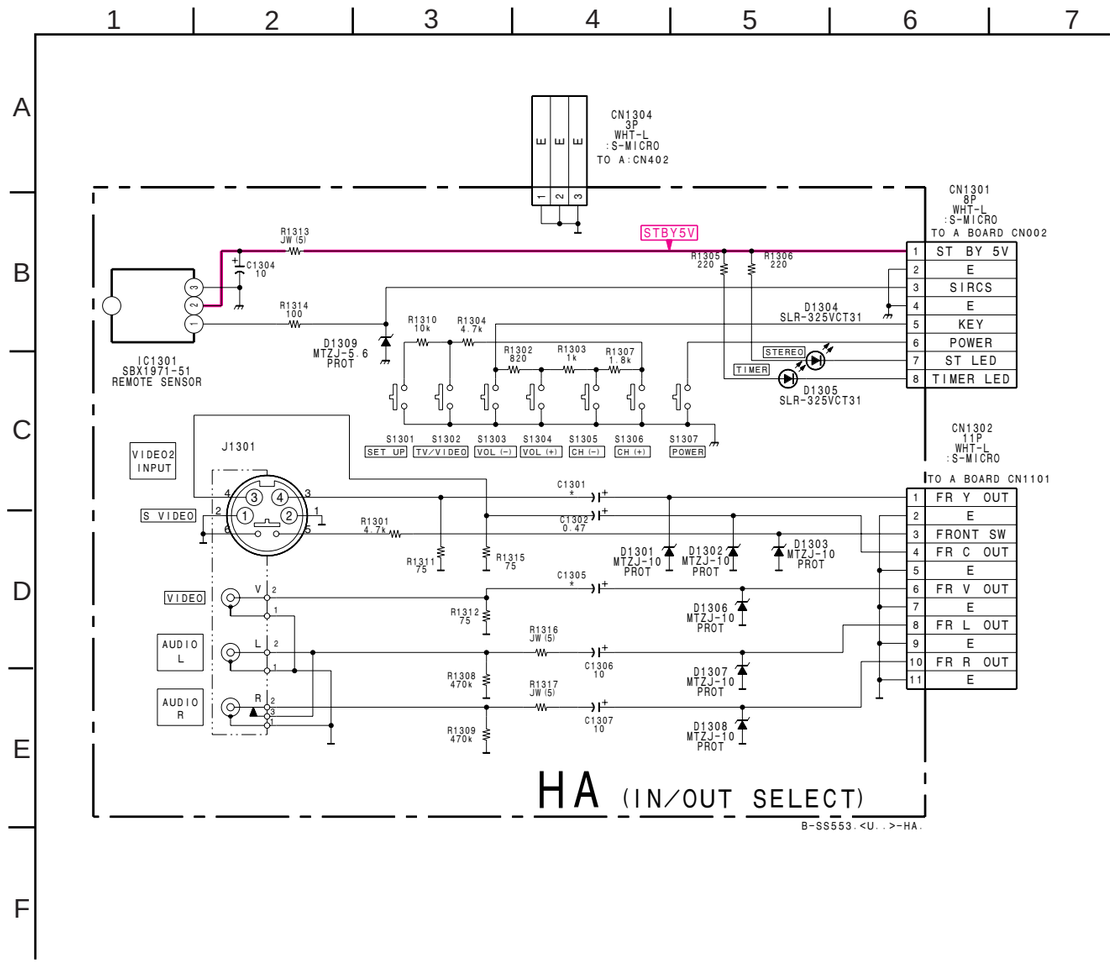
Z [VM, DY] **HA** [IN / OUT SELECT]

– Z Board –



– HA Board –





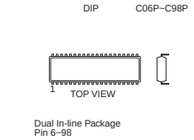
HA BOARD
IC VOLTAGE LIST

REF.	Pin NO.	VOL.
IC1301	①	5.0
	②	5.0
	③	GND

•All voltage are in V.

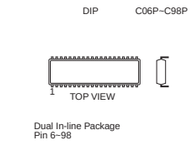
6-5. SEMICONDUCTORS

BH3856FS-E2



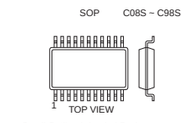
32pin

CA0007AM
CA0007AD
NJM2058D
UPC339C



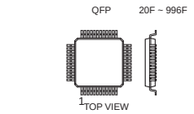
14pin

CXA1686M



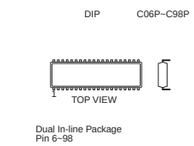
30pin

CXA2019Q



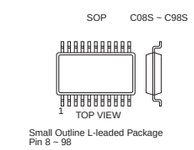
40pin

CXA2025AS



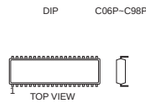
48pin

CXD2043Q



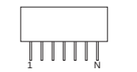
Schematic diagram
HA board

CXP85112B-613S
CXP85856A-009S



64pin

DM-58



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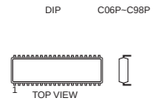

42pin

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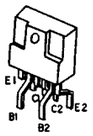

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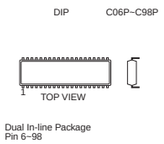

18pin

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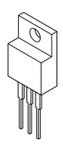

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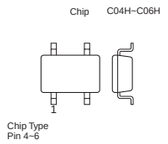

5pin

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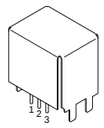

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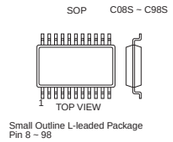

32pin

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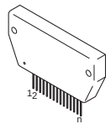

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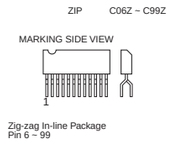

9pin

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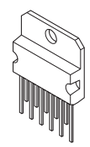

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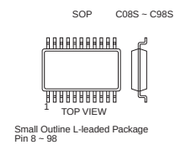

8pin

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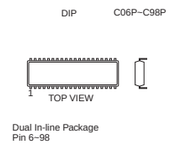

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DTC144EKA
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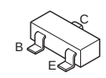
2SD601A-S



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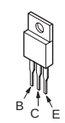

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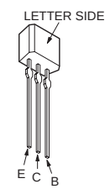

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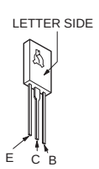

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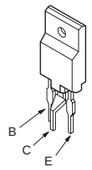

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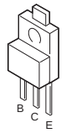

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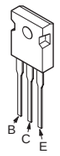

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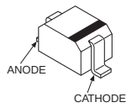
RD5.6S-B



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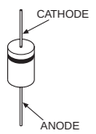
GP08D
RGP02-20EL-6394



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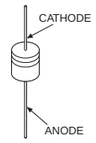
MTZJ-T-77-15
MTZJ-T-77-36B
MTZJ-13
MTZJ-30A
MTZJ-33B
MTZJ-7.5B
RD10ESB2
RD11ES-B2
RD24ES-B1
RD3.6ES-B1
RD39ES-B2
RD5.1ES-B2
RD5.6ESB2
11ES2



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LN4SB60
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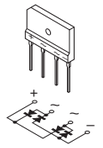

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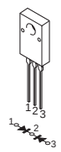

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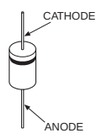

ERC06-15S
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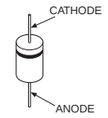

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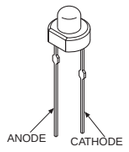

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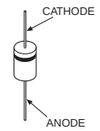


SECTION 7
EXPLODED VIEWS

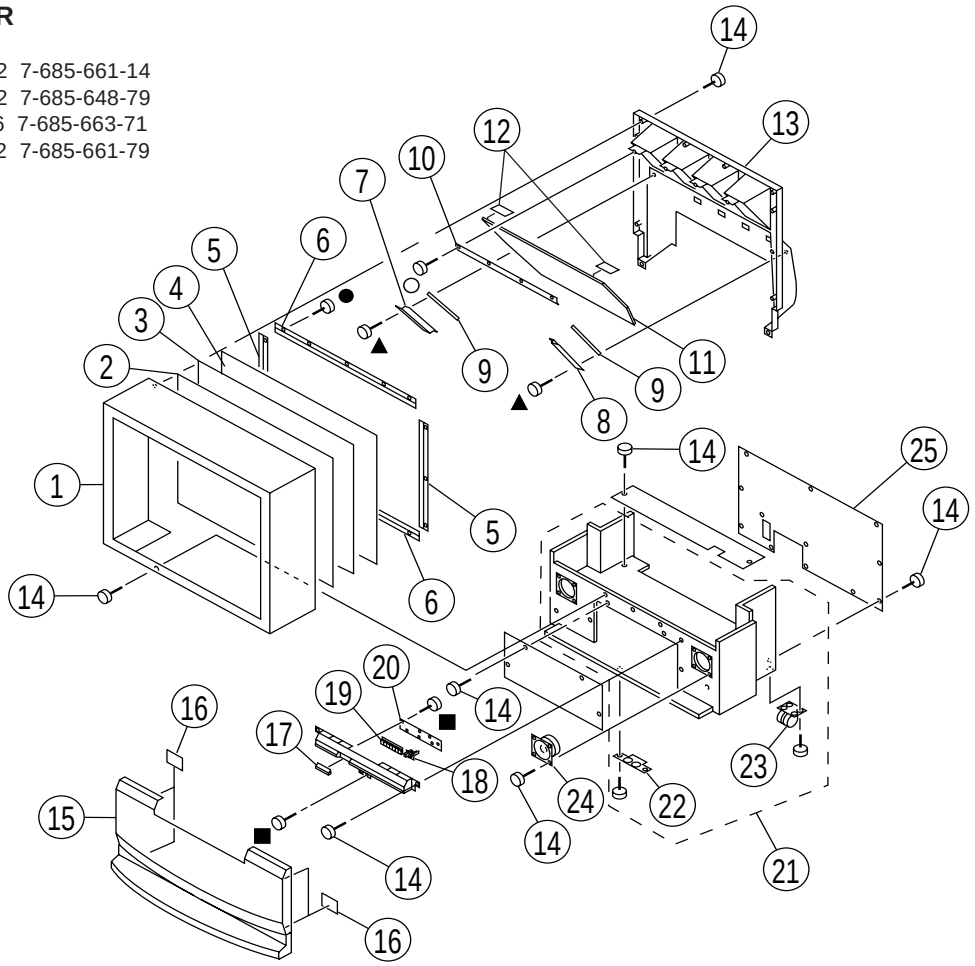
The componants identified by shading and mark ⚠ are critical for safety.
Replace only with part number specified.

NOTE:

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

7-1. COVER

● : +BVTP 4X12 7-685-661-14
■ : +BVTP 3X12 7-685-648-79
▲ : +BVTP 4X16 7-685-663-71
○ : +BVTP 4X12 7-685-661-79

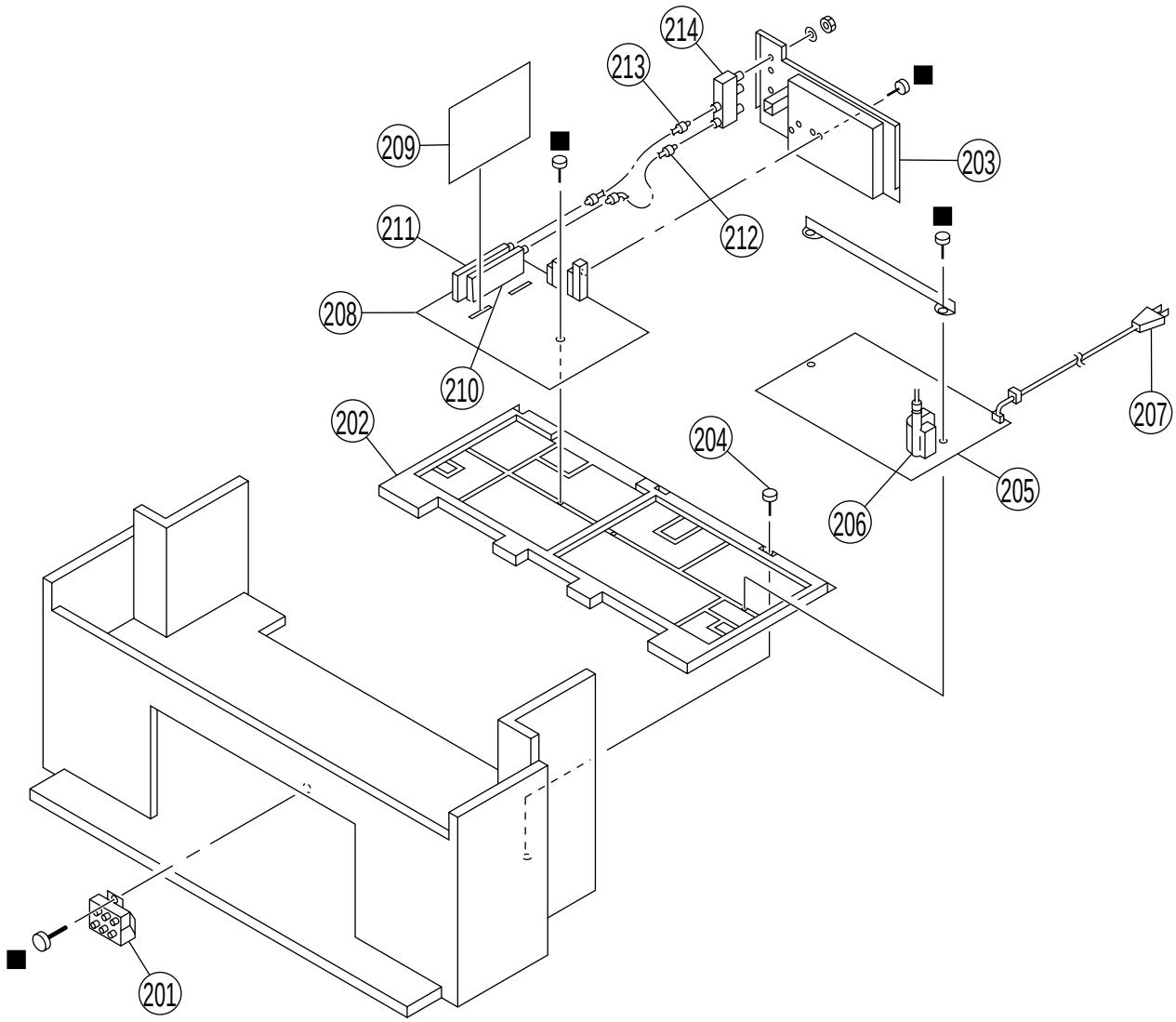


REF. NO.		PART NO.	DESCRIPTION	REMARK
1		X-4034-438-1	BEZNET ASSY (48)	
2		4-064-651-01	SCREEN (48), CONTRAST	
3		4-063-555-01	PLATE (L), DIFFUSION	
4		4-058-455-11	PLATE (F), DIFFUSION	
5	*	4-058-892-01	HOLDER (S), SCREEN	
6	*	4-058-893-01	HOLDER (L), SCREEN	
7	*	4-051-790-02	HOLDER, MIRSD (L)	
8	*	4-051-789-02	HOLDER, MIRSD (R)	
9	*	4-049-098-01	CUSHION	
10	*	4-037-351-01	HOLDER, MIRROR	
11		4-058-545-01	MIRROR (48), REFLECTION	
12		7-600-003-52	BLACK ACETATE (2142) 46X50M	
13	*	4-057-610-02	COVER, MIRROR	
14		4-378-522-31	SCREW (4X20), TAPPING	
15		X-4035-410-2	GRILLE ASSY, SPEAKER	
16		4-059-346-01	CUSHION, GRILLE	
17		4-057-605-01	DOOR, CONTROL PANEL	
18		4-057-604-01	GUIDE, LED/IR	
19		4-057-603-11	BUTTON, MULTI	
20	*	A-1372-474-A	HA MOUNT (VAR)	
21	*	X-4035-414-1	CABINET ASSY, BOTTOM	22,23
22		4-048-175-01	FOOT, PLASTIC	
23		4-040-755-01	CASTER (DIA.30)	
24		1-505-378-11	SPEAKER (10CM)	
25	*	4-057-556-01	BOARD (48), REAR	

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

7-2. CHASSIS

■ : +BVTP 3X12 7-685-648-79

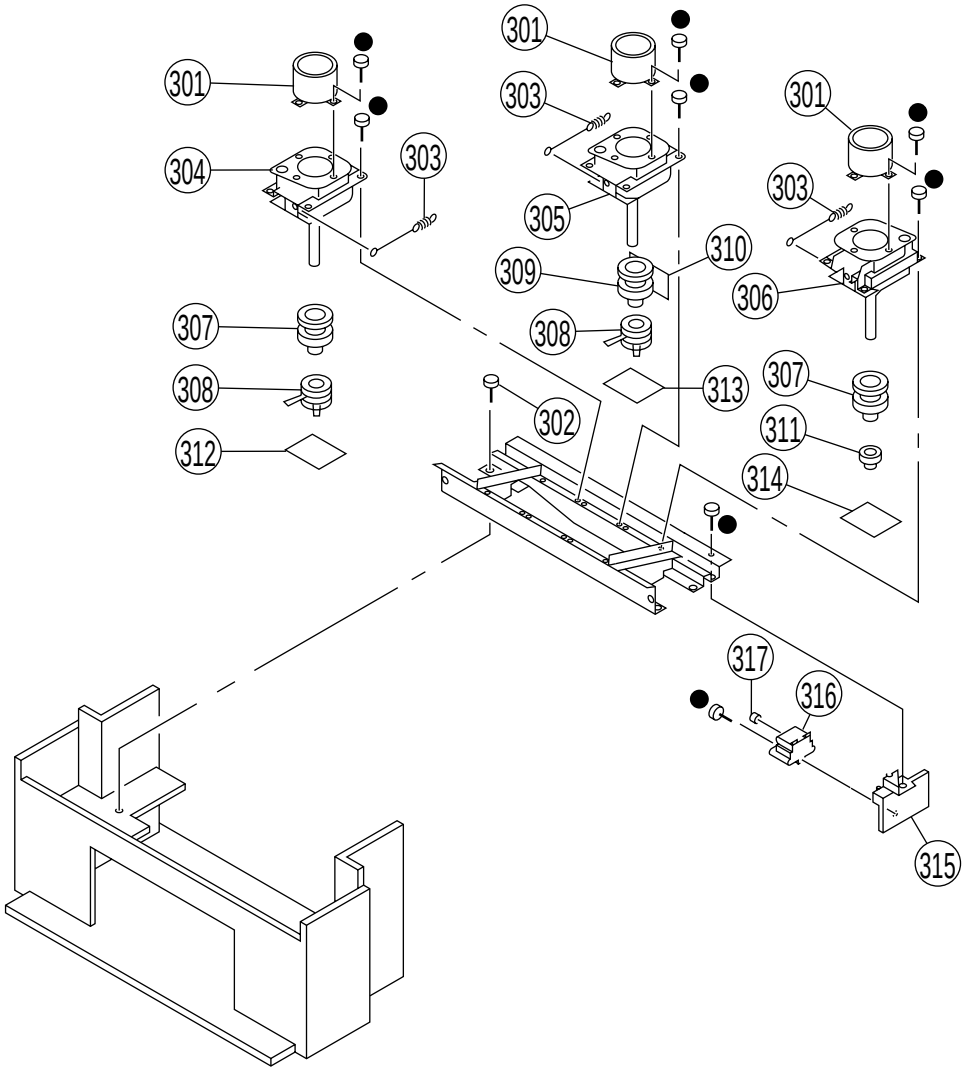


REF. NO.		PART NO.	DESCRIPTION	REMARK
201	⚠	1-223-925-11	RESISTOR ASSY (HIGH-VOLTAGE)	
202	*	4-057-594-01	BRACKET, MAIN	
203		4-057-595-21	TERMINAL BOARD	
204		4-052-894-01	SCREW (4X20), HEAD TAPPING	
205	*	A-1316-367-A	G BOARD, COMPLETE	
206	⚠	1-453-238-11	TRANSFORMER ASSY, FLYBACK (NX/4007//X4A4)	
207	⚠	1-769-837-11	CORD, POWER (WITH NOISE FILTER)	
208	*	A-1298-448-A	A BOARD, COMPLETE	
209	*	A-1190-265-A	PT BOARD, COMPLETE	
210		8-598-339-00	TUNER BTF-LA402	
211		8-598-340-00	TUNER BTF-WA404	
212	*	1-557-056-31	CABLE, P-P	
213		1-556-945-21	CABLE, P-P	
214		8-598-414-00	ANTENNA SWITCH AS-2F	

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

7-3. PICTURE TUBE

● : +BVTP 4X12 7-685-661-14



REF. NO.		PART NO.	DESCRIPTION	REMARK
301		4-056-258-01	LENS (DELTA 78)	
302		4-052-894-01	SCREW (4X20), HEAD TAPPING	
303		4-048-142-01	SPRING, TENSION	
304	⚠	8-733-553-05	PICTURE TUBE 07MXC3 (R)	
305	⚠	8-733-537-05	PICTURE TUBE 07MXC2 (G)	
306	⚠	8-733-528-05	PICTURE TUBE 07MAC3 (B)	
			(GROUND SPRING)	
307	⚠	1-451-455-31	DEFLECTION YOKE (R) (B)	
308	⚠	1-452-790-21	NECK ASSY	
309	⚠	1-451-454-11	DEFLECTION YOKE (G)	
310	*	A-1390-826-A	Z BOARD, COMPLETE	
311		1-452-909-31	MAGNET ASSY, 4 POLE	
312	*	A-1331-777-A	CR BOARD, COMPLETE	
313	*	A-1331-778-A	CG BOARD, COMPLETE	
314	*	A-1331-779-A	CB BOARD, COMPLETE	
315	*	4-057-596-01	BRACKET, HV	
316	⚠	8-598-955-30	BROCK ASSY, HIGH-VOLTAGE	
317		4-373-137-01	CAP (Z), RUBBER	

PT

SECTION 8
ELECTRICAL PARTS LIST

NOTE:

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

- 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.
- 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
  PF : μμ F
- There are some cases the reference number on one board overlaps on the other board. Therefore, when ordering parts by the reference number, please include the board name.

REF. NO.	PART NO.	DESCRIPTION			REMARK
	* A-1190-265-A	PT BOARD, COMPLETE			
		**********			
		<CAPACITOR>			
C5001	1-104-664-11	ELECT	47μF	20%	25V
C5002	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C5003	1-126-957-11	ELECT	0.22μF	20%	50V
C5004	1-163-038-91	CERAMIC CHIP	0.1μF		25V
C5005	1-163-017-00	CERAMIC CHIP	0.0047μF	10%	50V
C5006	1-126-959-11	ELECT	0.47μF	20%	50V
C5007	1-126-961-11	ELECT	2.2μF	20%	50V
C5008	1-126-963-11	ELECT	4.7μF	20%	50V
C5009	1-163-005-11	CERAMIC CHIP	470PF	10%	50V
C5010	1-126-934-11	ELECT	220μF	20%	16V
C5011	1-126-960-11	ELECT	1μF	20%	50V
C5012	1-126-959-11	ELECT	0.47μF	20%	50V
C5013	1-163-021-91	CERAMIC CHIP	0.01μF	10%	50V
C5014	1-163-038-91	CERAMIC CHIP	0.1μF		25V
C5015	1-163-229-11	CERAMIC CHIP	12PF	5%	50V
C5016	1-163-038-91	CERAMIC CHIP	0.1μF		25V
C5017	1-163-038-91	CERAMIC CHIP	0.1μF		25V
C5018	1-126-934-11	ELECT	220μF	20%	16V
C5019	1-163-038-91	CERAMIC CHIP	0.1μF		25V
C5020	1-163-038-91	CERAMIC CHIP	0.1μF		25V
C5021	1-163-038-91	CERAMIC CHIP	0.1μF		25V
C5022	1-163-259-91	CERAMIC CHIP	220PF	5%	50V
C5023	1-126-964-11	ELECT	10μF	20%	50V
C5024	1-126-933-11	ELECT	100μF	20%	16V
C5025	1-163-038-91	CERAMIC CHIP	0.1μF		25V
C5051	1-163-038-91	CERAMIC CHIP	0.1μF		25V
C5052	1-164-489-11	CERAMIC CHIP	0.22μF	10%	16V
C5053	1-104-664-11	ELECT	47μF	20%	25V
C5054	1-163-005-11	CERAMIC CHIP	470PF	10%	50V
C5055	1-164-346-11	CERAMIC CHIP	1μF		16V
C5057	1-163-001-11	CERAMIC CHIP	220PF	10%	50V
C5058	1-163-038-11	CERAMIC CHIP	0.1μF		25V
C5062	1-104-664-11	ELECT	47μF	20%	25V
C5063	1-104-664-11	ELECT	47μF	20%	25V
C5064	1-163-239-11	CERAMIC CHIP	33PF	5%	50V
C5065	1-163-239-11	CERAMIC CHIP	33PF	5%	50V
C5066	1-163-031-11	CERAMIC CHIP	0.01μF		50V
C5067	1-163-031-11	CERAMIC CHIP	0.01μF		50V
C5068	1-126-960-11	ELECT	1μF	20%	50V
C5069	1-163-031-11	CERAMIC CHIP	0.01μF		50V
C5070	1-163-031-11	CERAMIC CHIP	0.01μF		50V
C5071	1-163-038-91	CERAMIC CHIP	0.1μF		25V
C5072	1-163-038-91	CERAMIC CHIP	0.1μF		25V
C5073	1-164-005-11	CERAMIC CHIP	0.47μF		25V
C5076	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C5077	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C5078	1-163-031-11	CERAMIC CHIP	0.01μF		50V
C5079	1-104-664-11	ELECT	47μF	20%	25V
C5080	1-126-960-11	ELECT	1μF	20%	50V
C5101	1-104-664-11	ELECT	47μF	20%	25V
C5102	1-163-031-11	CERAMIC CHIP	0.01μF		50V
C5103	1-163-021-91	CERAMIC CHIP	0.01μF	10%	50V
C5104	1-163-031-11	CERAMIC CHIP	0.01μF		50V
C5105	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
C5106	1-163-031-11	CERAMIC CHIP	0.01μF		50V
C5107	1-163-245-11	CERAMIC CHIP	56PF	5%	50V
C5108	1-163-031-11	CERAMIC CHIP	0.01μF		50V
C5109	1-126-964-11	ELECT	10μF	20%	50V
C5110	1-126-964-11	ELECT	10μF	20%	50V
C5111	1-163-099-00	CERAMIC CHIP	18PF	5%	50V
C5112	1-163-031-11	CERAMIC CHIP	0.01μF		50V
C5113	1-164-489-11	CERAMIC CHIP	0.22μF	10%	16V
C5114	1-163-239-11	CERAMIC CHIP	33PF	5%	50V
C5115	1-163-231-11	CERAMIC CHIP	15PF	5%	50V
C5116	1-164-096-11	CERAMIC	0.01μF		50V
C5117	1-163-809-11	CERAMIC CHIP	0.047μF	10%	25V
C5118	1-163-021-91	CERAMIC CHIP	0.01μF	10%	50V
C5119	1-164-096-11	CERAMIC	0.01μF		50V
C5120	1-163-231-11	CERAMIC CHIP	15PF	5%	50V
C5121	1-163-021-91	CERAMIC CHIP	0.01μF	10%	50V
C5122	1-163-809-11	CERAMIC CHIP	0.047μF	10%	25V
C5123	1-126-960-11	ELECT	1μF	20%	50V
C5124	1-163-021-91	CERAMIC CHIP	0.01μF	10%	50V
C5125	1-163-021-91	CERAMIC CHIP	0.01μF	10%	50V
C5126	1-163-017-00	CERAMIC CHIP	0.0047μF	10%	50V
C5127	1-104-664-11	ELECT	47μF	20%	25V
C5129	1-163-038-11	CERAMIC CHIP	0.1μF		25V
C5130	1-104-664-11	ELECT	47μF	20%	25V
C5131	1-163-021-91	CERAMIC CHIP	0.01μF	10%	50V
C5132	1-163-231-11	CERAMIC CHIP	15PF	5%	50V
C5133	1-163-038-91	CERAMIC CHIP	0.1μF		25V
C5134	1-163-038-91	CERAMIC CHIP	0.1μF		25V

REF. NO.	PART NO.	DESCRIPTION			REMARK
C5135	1-163-031-11	CERAMIC CHIP	0.01µF		50V
C5136	1-163-031-11	CERAMIC CHIP	0.01µF		50V
C5137	1-163-031-11	CERAMIC CHIP	0.01µF		50V
C5138	1-104-664-11	ELECT	47µF	20%	25V
C5139	1-126-964-11	ELECT	10µF	20%	50V
C5140	1-163-038-91	CERAMIC CHIP	0.1µF		25V
C5141	1-163-038-91	CERAMIC CHIP	0.1µF		25V
C5142	1-163-038-91	CERAMIC CHIP	0.1µF		25V
C5143	1-163-031-11	CERAMIC CHIP	0.01µF		50V
C5144	1-163-031-11	CERAMIC CHIP	0.01µF		50V
C5145	1-126-964-11	ELECT	10µF	20%	50V
C5146	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
C5147	1-163-038-91	CERAMIC CHIP	0.1µF		25V
C5148	1-163-038-91	CERAMIC CHIP	0.1µF		25V
C5149	1-104-664-11	ELECT	47µF	20%	25V
C5150	1-163-031-11	CERAMIC CHIP	0.01µF		50V
C5151	1-104-664-11	ELECT	47µF	20%	25V
C5152	1-163-031-11	CERAMIC CHIP	0.01µF	50V	
C5153	1-104-664-11	ELECT	47µF	20%	25V
C5154	1-104-664-11	ELECT	47µF	20%	25V
C5157	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
		<CONNECTOR>			
CN5051	1-573-301-21	CONNECTOR, BOARD TO BOARD 20P			
CN5101	1-770-156-21	CONNECTOR, BOARD TO BOARD 8P			
		<DIODE>			
D5053	8-719-404-49	DIODE MA111			
D5101	8-719-158-15	DIODE RD5.6SB			
		<FERRITE BEAD>			
FB5051	1-414-135-11	FERRITE	0µH		
FB5052	1-414-135-11	FERRITE	0µH		
FB5053	1-414-135-11	FERRITE	0µH		
FB5101	1-216-295-91	CONDUCTOR, CHIP			
FB5102	1-216-295-91	CONDUCTOR, CHIP			
FB5103	1-216-295-91	CONDUCTOR, CHIP			
FB5104	1-414-135-11	FERRITE	0µH		
FB5105	1-414-135-11	FERRITE	0µH		
FB5106	1-414-135-11	FERRITE	0µH		
FB5107	1-414-135-11	FERRITE	0µH		
FB5108	1-410-396-41	FERRITE	0.45µH		
FB5109	1-414-135-11	FERRITE	0µH		
FB5110	1-414-135-11	FERRITE	0µH		
		<FILTER>			
FL5101	1-239-847-11	FILTER, LOW PASS			
FL5102	1-239-847-11	FILTER, LOW PASS			
FL5103	1-239-847-11	FILTER, LOW PASS			
		<IC>			
IC5001	8-752-086-80	IC CXA2019Q-T4			
IC5052	8-759-533-89	IC SDA9288XE-GEG-B121			
IC5101	8-752-375-30	IC CXD2043Q			
IC5102	8-752-062-80	IC CXA1686M			
IC5103	8-759-701-56	IC NJM78M05FA			
		<COIL>			
L5001	1-410-478-11	INDUCTOR	47µH		
L5002	1-410-478-11	INDUCTOR	47µH		
L5003	1-410-478-11	INDUCTOR	47µH		
L5004	1-410-478-11	INDUCTOR	47µH		
L5052	1-408-607-31	INDUCTOR	22µH		
L5101	1-410-470-11	INDUCTOR	10µH		
L5102	1-410-476-11	INDUCTOR	33µH		
L5103	1-410-470-11	INDUCTOR	10µH		
L5105	1-410-470-11	INDUCTOR	10µH		
		<TRANSISTOR>			
Q5001	8-729-422-27	TRANSISTOR 2SD601A-Q			
Q5002	8-729-216-22	TRANSISTOR 2SA1162-G			
Q5003	8-729-422-27	TRANSISTOR 2SD601A-Q			
Q5004	8-729-422-27	TRANSISTOR 2SD601A-Q			
Q5005	8-729-422-27	TRANSISTOR 2SD601A-Q			
Q5051	8-729-216-22	TRANSISTOR 2SA1162-G			
Q5052	8-729-216-22	TRANSISTOR 2SA1162-G			
Q5053	8-729-216-22	TRANSISTOR 2SA1162-G			
Q5054	8-729-422-27	TRANSISTOR 2SD601A-Q			
Q5055	8-729-216-22	TRANSISTOR 2SA1162-G			
Q5056	8-729-422-27	TRANSISTOR 2SD601A-Q			
Q5057	8-729-422-27	TRANSISTOR 2SD601A-Q			
Q5101	8-729-422-27	TRANSISTOR 2SD601A-Q			
Q5102	8-729-216-22	TRANSISTOR 2SA1162-G			
Q5103	8-729-216-22	TRANSISTOR 2SA1162-G			
Q5104	8-729-216-22	TRANSISTOR 2SA1162-G			
Q5105	8-729-216-22	TRANSISTOR 2SA1162-G			
Q5106	8-729-422-27	TRANSISTOR 2SD601A-Q			
Q5107	8-729-422-27	TRANSISTOR 2SD601A-Q			
Q5108	8-729-422-27	TRANSISTOR 2SD601A-Q			
Q5109	8-729-216-22	TRANSISTOR 2SA1162-G			
Q5110	8-729-216-22	TRANSISTOR 2SA1162-G			
Q5111	8-729-216-22	TRANSISTOR 2SA1162-G			
Q5112	8-729-422-27	TRANSISTOR 2SD601A-Q			
		<RESISTOR>			
R5001	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R5002	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W
R5003	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W
R5004	1-216-033-00	METAL GLAZE	220	5%	1/10W
R5005	1-216-025-91	METAL GLAZE	100	5%	1/10W
R5006	1-216-025-91	METAL GLAZE	100	5%	1/10W
R5007	1-216-025-91	METAL GLAZE	100	5%	1/10W
R5008	1-216-109-00	METAL GLAZE	330K	5%	1/10W
R5009	1-216-041-00	METAL GLAZE	470	5%	1/10W
R5010	1-216-071-00	METAL GLAZE	8.2K	5%	1/10W
R5011	1-216-077-00	METAL GLAZE	15K	5%	1/10W
R5012	1-216-073-00	METAL GLAZE	10K	5%	1/10W

REF. NO.	PART NO.	DESCRIPTION			REMARK
R5013	1-216-053-00	METAL GLAZE	1.5K	5%	1/10W
R5014	1-216-025-91	METAL GLAZE	100	5%	1/10W
R5015	1-216-041-00	METAL GLAZE	470	5%	1/10W
R5016	1-216-041-00	METAL GLAZE	470	5%	1/10W
R5017	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W
R5018	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W
R5019	1-216-037-00	METAL GLAZE	330	5%	1/10W
R5021	1-216-041-00	METAL GLAZE	470	5%	1/10W
R5022	1-216-047-91	METAL GLAZE	820	5%	1/10W
R5023	1-216-041-00	METAL GLAZE	470	5%	1/10W
R5024	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R5025	1-216-075-00	METAL GLAZE	12K	5%	1/10W
R5026	1-216-081-00	METAL GLAZE	22K	5%	1/10W
R5027	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R5033	1-216-025-91	METAL GLAZE	100	5%	1/10W
R5051	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W
R5052	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R5053	1-216-065-91	METAL GLAZE	4.7K	5%	1/10W
R5054	1-216-065-91	METAL GLAZE	4.7K	5%	1/10W
R5055	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R5056	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R5057	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R5058	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R5059	1-216-025-91	METAL GLAZE	100	5%	1/10W
R5060	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R5061	1-216-065-91	METAL GLAZE	4.7K	5%	1/10W
R5062	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R5063	1-216-025-91	METAL GLAZE	100	5%	1/10W
R5072	1-216-069-00	METAL GLAZE	6.8K	5%	1/10W
R5073	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R5074	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W
R5075	1-216-043-91	METAL GLAZE	560	5%	1/10W
R5076	1-216-069-00	METAL GLAZE	6.8K	5%	1/10W
R5077	1-216-045-00	METAL GLAZE	680	5%	1/10W
R5078	1-216-041-00	METAL GLAZE	470	5%	1/10W
R5079	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R5080	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R5081	1-216-041-00	METAL GLAZE	470	5%	1/10W
R5082	1-216-025-91	METAL GLAZE	100	5%	1/10W
R5084	1-216-033-00	METAL GLAZE	220	5%	1/10W
R5085	1-216-033-00	METAL GLAZE	220	5%	1/10W
R5089	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W
R5090	1-216-025-91	METAL GLAZE	100	5%	1/10W
R5091	1-216-025-91	METAL GLAZE	100	5%	1/10W
R5092	1-216-025-91	METAL GLAZE	100	5%	1/10W
R5102	1-216-295-91	CONDUCTOR, CHIP			
R5103	1-216-047-91	METAL GLAZE	820	5%	1/10W
R5104	1-216-295-91	CONDUCTOR, CHIP			
R5106	1-216-035-00	METAL GLAZE	270	5%	1/10W
R5107	1-216-097-91	METAL GLAZE	100K	5%	1/10W
R5108	1-216-065-91	METAL GLAZE	4.7K	5%	1/10W
R5109	1-208-776-11	METAL CHIP	560	0.50%	1/10W
R5110	1-208-774-11	METAL CHIP	470	0.50%	1/10W
R5112	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R5113	1-216-043-91	METAL GLAZE	560	5%	1/10W
R5114	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R5115	1-216-049-91	METAL GLAZE	1K	5%	1/10W

REF. NO.	PART NO.	DESCRIPTION			REMARK
R5116	1-216-043-91	METAL GLAZE	560	5%	1/10W
R5117	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R5118	1-216-071-00	METAL GLAZE	8.2K	5%	1/10W
R5120	1-208-766-11	METAL CHIP	220	0.50%	1/10W
R5121	1-216-041-00	METAL GLAZE	470	5%	1/10W
R5122	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R5124	1-216-025-91	METAL GLAZE	100	5%	1/10W
R5127	1-216-069-00	METAL CHIP	6.8K	5%	1/10W
R5128	1-216-075-00	METAL GLAZE	12K	5%	1/10W
R5129	1-216-043-91	METAL GLAZE	560	5%	1/10W
R5130	1-216-075-00	METAL GLAZE	12K	5%	1/10W
R5132	1-216-043-91	METAL GLAZE	560	5%	1/10W
R5133	1-216-081-00	METAL GLAZE	22K	5%	1/10W
R5134	1-216-077-00	METAL GLAZE	15K	5%	1/10W
R5135	1-216-081-00	METAL GLAZE	22K	5%	1/10W
R5136	1-216-081-00	METAL GLAZE	22K	5%	1/10W
R5137	1-208-766-11	METAL CHIP	220	0.50%	1/10W
R5138	1-208-794-11	METAL CHIP	3.3K	0.50%	1/10W
R5139	1-208-794-11	METAL CHIP	3.3K	0.50%	1/10W
R5140	1-216-041-00	METAL GLAZE	470	5%	1/10W
R5141	1-216-033-00	METAL GLAZE	220	5%	1/10W
R5142	1-216-041-00	METAL GLAZE	470	5%	1/10W
R5143	1-216-033-00	METAL GLAZE	220	5%	1/10W
R5144	1-216-067-00	METAL GLAZE	5.6K	5%	1/10W
R5145	1-216-035-00	METAL GLAZE	270	5%	1/10W
R5146	1-216-035-00	METAL GLAZE	270	5%	1/10W
R5147	1-208-788-11	METAL CHIP	1.8K	0.50%	1/10W
R5148	1-208-788-11	METAL CHIP	1.8K	0.50%	1/10W
R5149	1-216-043-91	METAL GLAZE	560	5%	1/10W
R5150	1-208-794-11	METAL CHIP	3.3K	0.50%	1/10W
R5151	1-208-794-11	METAL CHIP	3.3K	0.50%	1/10W
R5152	1-216-025-91	METAL GLAZE	100	5%	1/10W
R5156	1-216-025-91	METAL GLAZE	100	5%	1/10W
R5157	1-216-025-91	METAL GLAZE	100	5%	1/10W
R5158	1-216-025-91	METAL GLAZE	100	5%	1/10W
R5159	1-216-025-91	METAL GLAZE	100	5%	1/10W
R5160	1-216-025-91	METAL GLAZE	100	5%	1/10W
R5161	1-216-025-91	METAL GLAZE	100	5%	1/10W
R5163	1-216-025-91	METAL GLAZE	100	5%	1/10W

<CRYSTAL>

X5001	1-577-611-11	OSCILALTOR, CERAMIC
X5002	1-567-505-11	OSCILLATOR, CRYSTAL
X5051	1-760-095-21	VIBRATOR, CRYSTAL
X5101	1-567-878-11	VIBRATOR, CRYSTAL
X5102	1-577-611-11	OSCILALTOR, CERAMIC

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*	A-1298-448-A	A BOARD, COMPLETE
		**********
*	4-051-927-01	CASE, SHIELD
	4-382-854-11	SCREW (M3X10), P, SW (+)

REF. NO.	PART NO.	DESCRIPTION			REMARK
		<CAPACITOR>			
C001	1-163-031-11	CERAMIC CHIP	0.01µF		50V
C004	1-126-933-11	ELECT	100µF	20%	16V
C005	1-126-964-11	ELECT	10µF	20%	50V
C006	1-163-031-11	CERAMIC CHIP	0.01µF		50V
C017	1-163-809-11	CERAMIC CHIP	0.047µF	10%	25V
C018	1-163-259-91	CERAMIC CHIP	220PF	5%	50V
C019	1-126-960-11	ELECT	1µF	20%	50V
C021	1-163-243-11	CERAMIC CHIP	47PF	5%	50V
C024	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C025	1-163-031-11	CERAMIC CHIP	0.01µF		50V
C026	1-107-714-11	ELECT	10µF	20%	16V
C027	1-126-935-11	ELECT	470µF	20%	16V
C028	1-107-714-11	ELECT	10µF	20%	16V
C032	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C033	1-163-259-91	CERAMIC CHIP	220PF	5%	50V
C034	1-163-809-11	CERAMIC CHIP	0.047µF	10%	25V
C035	1-104-664-11	ELECT	47µF	20%	25V
C036	1-163-231-11	CERAMIC CHIP	15PF	5%	50V
C037	1-163-237-11	CERAMIC CHIP	27PF	5%	50V
C038	1-126-960-11	ELECT	1µF	20%	50V
C045	1-163-017-00	CERAMIC CHIP	0.0047µF	10%	50V
C046	1-163-031-11	CERAMIC CHIP	0.01µF		50V
C047	1-163-010-11	CERAMIC CHIP	0.0012µF	10%	50V
C048	1-164-005-11	CERAMIC CHIP	0.47µF		25V
C054	1-163-033-91	CERAMIC CHIP	0.022µF		50V
C057	1-163-259-91	CERAMIC CHIP	220PF	5%	50V
C092	1-163-259-91	CERAMIC CHIP	220PF	5%	50V
C107	1-163-031-11	CERAMIC CHIP	0.01µF		50V
C108	1-104-664-11	ELECT	47µF	20%	25V
C109	1-126-916-11	ELECT	1000µF	20%	6.3V
C110	1-163-231-11	CERAMIC CHIP	15PF	5%	50V
C111	1-163-229-11	CERAMIC CHIP	12PF	5%	50V
C119	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
C120	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
C121	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
C124	1-163-031-11	CERAMIC CHIP	0.01µF		50V
C201	1-126-960-11	ELECT	1µF	20%	50V
C203	1-126-935-11	ELECT	470µF	20%	16V
C204	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C206	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C207	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C208	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C209	1-126-964-11	ELECT	10µF	20%	50V
C210	1-126-964-11	ELECT	10µF	20%	50V
C211	1-126-964-11	ELECT	10µF	20%	50V
C212	1-126-964-11	ELECT	10µF	20%	50V
C213	1-126-964-11	ELECT	10µF	20%	50V
C216	1-126-964-11	ELECT	10µF	20%	50V
C218	1-163-031-11	CERAMIC CHIP	0.01µF		50V
C219	1-126-964-11	ELECT	10µF	20%	50V
C220	1-126-964-11	ELECT	10µF	20%	50V
C221	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C224	1-104-664-11	ELECT	47µF	20%	25V
C226	1-126-964-11	ELECT	10µF	20%	50V
C227	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C229	1-126-964-11	ELECT	10µF	20%	50V
C230	1-126-964-11	ELECT	10µF	20%	50V
C231	1-126-933-11	ELECT	100µF	20%	16V
C232	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C302	1-126-959-11	ELECT	0.47µF	20%	50V
C303	1-163-031-11	CERAMIC CHIP	0.01µF		50V
C304	1-126-964-11	ELECT	10µF	20%	50V
C305	1-163-231-11	CERAMIC CHIP	15PF	5%	50V
C308	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C309	1-126-933-11	ELECT	100µF	20%	16V
C310	1-163-133-00	CERAMIC CHIP	470PF	5%	50V
C311	1-115-419-11	CERAMIC CHIP	3300PF	5%	25V
C312	1-126-959-11	ELECT	0.47µF	20%	50V
C313	1-130-495-00	FILM	0.1µF	5%	50V
C314	1-130-495-00	FILM	0.1µF	5%	50V
C315	1-130-495-00	FILM	0.1µF	5%	50V
C316	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
C317	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
C318	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
C319	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C320	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C321	1-126-963-11	ELECT	4.7µF	20%	50V
C322	1-130-495-00	MYLAR	0.1µF	5%	50V
C323	1-137-581-11	FILM	0.1µF	5%	100V
C324	1-164-182-11	CERAMIC CHIP	0.0033µF	10%	50V
C325	1-126-959-11	ELECT	0.47µF	20%	50V
C326	1-126-964-11	ELECT	10µF	20%	50V
C329	1-163-017-00	CERAMIC CHIP	0.0047µF	10%	50V
C330	1-163-263-11	CERAMIC CHIP	330PF	5%	50V
C331	1-126-959-11	ELECT	0.47µF	20%	50V
C332	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
C333	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
C334	1-163-275-11	CERAMIC CHIP	0.001µF	5%	50V
C335	1-126-935-11	ELECT	470µF	20%	16V
C337	1-126-960-11	ELECT	1µF	20%	50V
C338	1-126-961-11	ELECT	2.2µF	20%	50V
C339	1-126-959-11	ELECT	0.47µF	20%	50V
C342	1-130-495-00	FILM	0.1µF	5%	50V
C344	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C345	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C349	1-163-245-11	CERAMIC CHIP	56PF	5%	50V
C351	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C401	1-126-964-11	ELECT	10µF	20%	50V
C402	1-126-964-11	ELECT	10µF	20%	50V
C403	1-137-367-11	FILM	0.0033µF	5%	50V
C404	1-137-367-11	FILM	0.0033µF	5%	50V
C405	1-137-372-11	FILM	0.022µF	5%	50V
C406	1-130-495-00	FILM	0.1µF	5%	50V
C407	1-126-960-11	ELECT	1µF	20%	50V
C408	1-137-367-11	FILM	0.0033µF	5%	50V
C409	1-137-367-11	FILM	0.0033µF	5%	50V
C410	1-137-372-11	FILM	0.022µF	5%	50V
C411	1-130-495-00	FILM	0.1µF	5%	50V
C412	1-126-933-11	ELECT	100µF	20%	16V
C413	1-128-551-11	ELECT	22µF	20%	25V
C414	1-163-038-11	CERAMIC CHIP	0.1µF		25V
C415	1-126-964-11	ELECT	10µF	20%	50V

REF. NO.	PART NO.	DESCRIPTION			REMARK
C416	1-126-964-11	ELECT	10µF	20%	50V
C417	1-126-964-11	ELECT	10µF	20%	50V
C418	1-104-664-11	ELECT	47µF	20%	25V
C419	1-128-551-11	ELECT	22µF	20%	25V
C422	1-104-664-11	ELECT	47µF	20%	25V
C424	1-126-961-11	ELECT	2.2µF	20%	50V
C425	1-126-935-11	ELECT	470µF	20%	16V
C426	1-126-964-11	ELECT	10µF	20%	50V
C427	1-126-933-11	ELECT	100µF	20%	16V
C428	1-126-969-11	ELECT	220µF	20%	50V
C429	1-126-967-11	ELECT	47µF	20%	50V
C430	1-126-964-11	ELECT	10µF	20%	50V
C431	1-126-969-11	ELECT	220µF	20%	50V
C432	1-136-173-00	FILM	0.47µF	5%	50V
C433	1-130-495-00	FILM	0.1µF	5%	50V
C434	1-128-550-11	ELECT	2200µF	20%	50V
C435	1-130-495-00	FILM	0.1µF	5%	50V
C436	1-128-548-11	ELECT	4700µF	20%	25V
C437	1-128-548-11	ELECT	4700µF	20%	25V
C440	1-126-964-11	ELECT	10µF	20%	50V
C441	1-126-964-11	ELECT	10µF	20%	50V
C1101	1-163-031-11	CERAMIC CHIP	0.01µF		50V
C1102	1-163-031-11	CERAMIC CHIP	0.01µF		50V
C1103	1-126-933-11	ELECT	100µF	20%	16V
C1104	1-164-161-11	CERAMIC CHIP	0.0022µF	10%	50V
C1105	1-126-960-11	ELECT	1µF	20%	50V
C1106	1-126-933-11	ELECT	100µF	20%	16V
C1107	1-104-664-11	ELECT	47µF	20%	25V
C1108	1-126-964-11	ELECT	10µF	20%	50V
C1109	1-126-933-11	ELECT	100µF	20%	16V
C1110	1-164-161-11	CERAMIC CHIP	0.0022µF	10%	50V
C1111	1-126-960-11	ELECT	1µF	20%	50V
C1112	1-163-031-11	CERAMIC CHIP	0.01µF		50V
C1113	1-126-964-11	ELECT	10µF	20%	50V
C1114	1-163-031-11	CERAMIC CHIP	0.01µF		50V
C1115	1-163-031-11	CERAMIC CHIP	0.01µF		50V
C1116	1-163-031-11	CERAMIC CHIP	0.01µF		50V
C1117	1-163-031-11	CERAMIC CHIP	0.01µF		50V
C1118	1-163-031-11	CERAMIC CHIP	0.01µF		50V
C1119	1-126-968-11	ELECT	100µF	20%	50V
C1120	1-126-933-11	ELECT	100µF	20%	16V
C1122	1-104-664-11	ELECT	47µF	20%	25V
C1501	1-163-009-11	CERAMIC CHIP	0.001µF	10%	50V
C1502	1-107-504-11	CERAMIC	10PF	0.5PF	500V
C1503	1-136-177-00	FILM	1µF	5%	50V
C1506	1-126-969-11	ELECT	220µF	20%	50V
C1507	1-163-243-11	CERAMIC CHIP	47PF	5%	50V
C1508	1-137-401-11	FILM	0.22µF	10%	100V
C1509	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1510	1-126-942-61	ELECT	1000µF	20%	25V
C1511	1-126-942-61	ELECT	1000µF	20%	25V
C1513	1-163-031-11	CERAMIC CHIP	0.01µF		50V
C1514	1-163-031-11	CERAMIC CHIP	0.01µF		50V
C1517	1-126-964-11	ELECT	10µF	20%	50V
C1518	1-126-933-11	ELECT	100µF	20%	16V
C1519	1-126-933-11	ELECT	100µF	20%	16V
C1520	1-126-964-11	ELECT	10µF	20%	50V
C1521	1-164-161-11	CERAMIC CHIP	0.0022µF	10%	50V
C1522	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C1523	1-163-005-11	CERAMIC CHIP	470PF	10%	50V
C1524	1-137-150-11	MYLAR	0.01µF	10%	100V
C1525	1-106-220-00	MYLAR	0.1µF	10%	100V
C1601	1-126-935-11	ELECT	470µF	20%	16V
C1602	1-126-767-11	ELECT	1000µF	20%	16V
C1603	1-126-916-11	ELECT	1000µF	20%	6.3V
C1604	1-126-934-11	ELECT	220µF	20%	16V
C1605	1-163-031-11	CERAMIC CHIP	0.01µF		50V
C1606	1-163-031-11	CERAMIC CHIP	0.01µF		50V
C1607	1-163-031-11	CERAMIC CHIP	0.01µF		50V
C1608	1-163-031-11	CERAMIC CHIP	0.01µF		50V
C1609	1-163-031-11	CERAMIC CHIP	0.01µF		50V
C1610	1-126-933-11	ELECT	100µF	20%	16V
C1611	1-163-031-11	CERAMIC CHIP	0.01µF		50V

<CONNECTOR>

CN001	*	1-564-507-11	PLUG, CONNECTOR 4P
CN002	*	1-564-511-11	PLUG, CONNECTOR 8P
CN003	*	1-774-183-11	CONNECTOR, BOARD TOBOARD10P
CN004		1-573-979-21	CONNECTOR, BOARD TO BOARD 11P
CN301	*	1-774-183-11	CONNECTOR, BOARD TOBOARD10P
CN302	*	1-564-508-11	PLUG, CONNECTOR 5P
CN303	*	1-564-512-11	PLUG, CONNECTOR 9P
CN304		1-770-155-21	CONNECTOR, BOARD TO BOARD 8P
CN305		1-573-298-21	CONNECTOR, BOARD TO BOARD 20P
CN401	*	1-564-507-11	PLUG, CONNECTOR 4P
CN402	*	1-564-506-11	PLUG, CONNECTOR 3P
CN403		1-695-915-11	TAB (CONTACT)
CN1101	*	1-564-514-11	PLUG, CONNECTOR 11P
CN1501	*	1-564-506-11	PLUG, CONNECTOR 3P
CN1601	*	1-774-183-11	CONNECTOR, BOARD TOBOARD10P
CN1602	*	1-774-183-11	CONNECTOR, BOARD TOBOARD10P

<DIODE>

D001	8-719-991-33	DIODE 1SS133T-77
D002	8-719-991-33	DIODE 1SS133T-77
D003	8-719-991-33	DIODE 1SS133T-77
D004	8-719-991-33	DIODE 1SS133T-77
D007	8-719-109-89	DIODE RD5.6ESB2
D010	8-719-109-89	DIODE RD5.6ESB2
D011	8-719-109-89	DIODE RD5.6ESB2
D202	8-719-110-17	DIODE RD10ESB2
D203	8-719-109-89	DIODE RD5.6ESB2
D206	8-719-977-28	DIODE DTZ10B
D207	8-719-977-28	DIODE DTZ10B
D208	8-719-977-28	DIODE DTZ10B
D209	8-719-977-28	DIODE DTZ10B
D210	8-719-977-28	DIODE DTZ10B
D211	8-719-977-28	DIODE DTZ10B
D212	8-719-977-28	DIODE DTZ10B
D213	8-719-977-28	DIODE DTZ10B
D214	8-719-110-17	DIODE RD10ESB2
D215	8-719-110-17	DIODE RD10ESB2
D216	8-719-110-17	DIODE RD10ESB2

REF. NO.	PART NO.	DESCRIPTION	REMARK
D217	8-719-110-17	DIODE RD10ESB2	
D218	8-719-110-17	DIODE RD10ESB2	
D219	8-719-110-17	DIODE RD10ESB2	
D220	8-719-110-17	DIODE RD10ESB2	
D221	8-719-110-17	DIODE RD10ESB2	
D222	8-719-110-17	DIODE RD10ESB2	
D225	8-719-110-17	DIODE RD10ESB2	
D226	8-719-110-17	DIODE RD10ESB2	
D232	8-719-983-38	DIODE MTZJ-T-77-36B	
D236	8-719-110-17	DIODE RD10ESB2	
D237	8-719-110-17	DIODE RD10ESB2	
D238	8-719-110-17	DIODE RD10ESB2	
D239	8-719-991-33	DIODE 1SS133T-77	
D240	8-719-991-33	DIODE 1SS133T-77	
D241	8-719-991-33	DIODE 1SS133T-77	
D305	8-719-110-17	DIODE RD10ESB2	
D401	8-719-991-33	DIODE 1SS133T-77	
D403	8-719-983-38	DIODE MTZJ-T-77-36B	
D405	8-719-991-33	DIODE 1SS133T-77	
D406	8-719-991-33	DIODE 1SS133T-77	
D408	8-719-991-33	DIODE 1SS133T-77	
D410	8-719-983-38	DIODE MTZJ-T-77-36B	
D411	8-719-929-15	DIODE HZS9.1NB2	
D1101	8-719-982-26	DIODE MTZJ-33B	
D1102	8-719-977-28	DIODE DTZ10B	
D1103	8-719-977-28	DIODE DTZ10B	
D1104	8-719-977-28	DIODE DTZ10B	
D1105	8-719-977-28	DIODE DTZ10B	
D1106	8-719-977-28	DIODE DTZ10B	
D1107	8-719-977-28	DIODE DTZ10B	
D1501	8-719-109-89	DIODE RD5.6ESB2	
D1502	8-719-908-03	DIODE GP08D	
		<FERRITE BEAD>	
FB1102	1-414-135-11	FERRITE 0µH	
		<IC>	
IC001	8-752-894-96	IC CXP85856A-009S	
IC002	8-752-861-57	IC CXP85112B-613S	
IC003	8-759-352-91	IC PST9143NL	
IC004	8-759-352-91	IC PST9143NL	
IC007	8-759-518-23	IC X24C04S8	
IC201	8-759-534-81	IC MM1313AD/	
IC301	8-752-076-76	IC CXA2025AS	
IC401	8-759-369-39	IC BH3856FS-E2	
IC402	8-759-100-96	IC UPC4558G2	
IC403	8-759-089-13	IC TDA7262	
IC1101	8-759-231-53	IC TA7805S	
IC1501	8-759-192-71	IC STV9379	
IC1502	8-759-251-31	IC CA0007AM	
IC1601	8-759-198-03	IC PQ09RF21	
IC1602	8-759-231-53	IC TA7805S	
		<JACK>	
J203	1-507-667-00	JACK, MIC	
J205	1-774-750-11	JACK BLOCK, PIN	
J206	1-774-749-11	JACK BLOCK, PIN	
J208	1-774-749-11	JACK BLOCK, PIN	
J209	1-774-751-11	TERMINAL BLOCK, S	
		<CHIP CONDUCTOR>	
JR003	1-216-295-91	CONDUCTOR, CHIP	
JR201	1-216-295-91	CONDUCTOR, CHIP	
JR202	1-216-295-91	CONDUCTOR, CHIP	
JR1501	1-216-295-91	CONDUCTOR, CHIP	
JR1502	1-216-295-91	CONDUCTOR, CHIP	
JR1601	1-216-295-91	CONDUCTOR, CHIP	
JR1602	1-216-295-91	CONDUCTOR, CHIP	
JR1603	1-216-295-91	CONDUCTOR, CHIP	
JR1604	1-216-295-91	CONDUCTOR, CHIP	
JR1605	1-216-295-91	CONDUCTOR, CHIP	
JR1607	1-216-295-91	CONDUCTOR, CHIP	
JR1609	1-216-295-91	CONDUCTOR, CHIP	
JR1610	1-216-295-91	CONDUCTOR, CHIP	
JR1611	1-216-295-91	CONDUCTOR, CHIP	
JR1612	1-216-295-91	CONDUCTOR, CHIP	
JR1613	1-216-295-91	CONDUCTOR, CHIP	
JR1614	1-216-295-91	CONDUCTOR, CHIP	
JR1615	1-216-295-91	CONDUCTOR, CHIP	
JR1617	1-216-295-91	CONDUCTOR, CHIP	
JR1619	1-216-295-91	CONDUCTOR, CHIP	
JR1620	1-216-295-91	CONDUCTOR, CHIP	
JR1621	1-216-295-91	CONDUCTOR, CHIP	
JR1622	1-216-295-91	CONDUCTOR, CHIP	
JR1623	1-216-295-91	CONDUCTOR, CHIP	
JR1624	1-216-295-91	CONDUCTOR, CHIP	
JR1625	1-216-295-91	CONDUCTOR, CHIP	
JR1627	1-216-295-91	CONDUCTOR, CHIP	
JR1629	1-216-295-91	CONDUCTOR, CHIP	
		<COIL>	
L002	1-410-482-31	INDUCTOR 100µH	
L003	1-410-482-31	INDUCTOR 100µH	
L004	1-216-295-91	CONDUCTOR, CHIP	
L005	1-216-295-91	CONDUCTOR, CHIP	
L006	1-410-470-11	INDUCTOR 10µH	
L007	1-410-482-31	INDUCTOR 100µH	
L201	1-410-478-11	INDUCTOR 47µH	
L302	1-410-482-31	INDUCTOR 100µH	
L303	1-410-470-11	INDUCTOR 10µH	
L1101	1-410-478-11	INDUCTOR 47µH	
L1103	1-410-478-11	INDUCTOR 47µH	
L1104	1-410-478-11	INDUCTOR 47µH	
L1105	1-410-470-11	INDUCTOR 10µH	
L1106	1-410-478-11	INDUCTOR 47µH	
L1501	1-406-663-21	INDUCTOR 0µH	
L1502	1-412-533-21	INDUCTOR 47µH	
L1503	1-412-533-21	INDUCTOR 47µH	
L1601	1-406-975-21	INDUCTOR 0µH	

REF. NO.	PART NO.	DESCRIPTION	REMARK
		<IC LINK>	
PS401	1-532-984-11	LINK, IC 2A/90V	
		<TRANSISTOR>	
Q001	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q002	8-729-027-38	TRANSISTOR DTA144EKA-T146	
Q003	8-729-027-38	TRANSISTOR DTA144EKA-T146	
Q004	8-729-216-22	TRANSISTOR 2SA1162-G	
Q005	8-729-216-22	TRANSISTOR 2SA1162-G	
Q006	8-729-027-38	TRANSISTOR DTA144EKA-T146	
Q007	1-801-806-11	TRANSISTOR DTC144EKA-T146	
Q008	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q009	8-729-027-38	TRANSISTOR DTA144EKA-T146	
Q013	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q015	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q016	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q017	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q201	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q206	8-729-027-56	TRANSISTOR DTC143TKA-T146	
Q207	1-801-806-11	TRANSISTOR DTC144EKA-T146	
Q209	8-729-027-56	TRANSISTOR DTC143TKA-T146	
Q213	8-729-216-22	TRANSISTOR 2SA1162-G	
Q214	8-729-216-22	TRANSISTOR 2SA1162-G	
Q216	8-729-027-56	TRANSISTOR DTC143TKA-T146	
Q217	8-729-027-56	TRANSISTOR DTC143TKA-T146	
Q218	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q219	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q220	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q226	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q301	8-729-216-22	TRANSISTOR 2SA1162-G	
Q302	8-729-216-22	TRANSISTOR 2SA1162-G	
Q303	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q304	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q305	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q306	8-729-216-22	TRANSISTOR 2SA1162-G	
Q307	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q308	8-729-216-22	TRANSISTOR 2SA1162-G	
Q311	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q312	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q313	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q314	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q402	1-801-806-11	TRANSISTOR DTC144EKA-T146	
Q403	8-729-027-38	TRANSISTOR DTA144EKA-T146	
Q405	8-729-216-22	TRANSISTOR 2SA1162-G	
Q406	8-729-216-22	TRANSISTOR 2SA1162-G	
Q408	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q409	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q410	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q411	8-729-027-38	TRANSISTOR DTA144EKA-T146	
Q1101	1-801-806-11	TRANSISTOR DTC144EKA-T146	
Q1501	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q2105	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q2106	8-729-422-27	TRANSISTOR 2SD601A-Q	

REF. NO.	PART NO.	DESCRIPTION			REMARK
		<RESISTOR>			
R003	1-216-295-91	CONDUCTOR, CHIP			
R004	1-216-033-00	METAL GLAZE	220	5% 1/10W	
R005	1-216-033-00	METAL GLAZE	220	5% 1/10W	
R006	1-216-033-00	METAL GLAZE	220	5% 1/10W	
R007	1-216-081-00	METAL GLAZE	22K	5% 1/10W	
R008	1-216-073-00	METAL GLAZE	10K	5% 1/10W	
R009	1-216-033-00	METAL GLAZE	220	5% 1/10W	
R010	1-216-033-00	METAL GLAZE	220	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	1-216-033-00	METAL GLAZE	220	5% 1/10W	
R014	1-216-033-00	METAL GLAZE	220	5% 1/10W	
R015	1-216-025-91	METAL GLAZE	100	5% 1/10W	
R016	1-216-025-91	METAL GLAZE	100	5% 1/10W	
R017	1-216-065-91	METAL GLAZE	4.7K	5% 1/10W	
R018	1-216-065-91	METAL GLAZE	4.7K	5% 1/10W	
R019	1-216-097-91	METAL GLAZE	100K	5% 1/10W	
R020	1-216-057-00	METAL GLAZE	2.2K	5% 1/10W	
R021	1-216-089-91	METAL GLAZE	47K	5% 1/10W	
R023	1-216-065-91	METAL GLAZE	4.7K	5% 1/10W	
R024	1-216-121-91	METAL GLAZE	1M	5% 1/10W	
R025	1-216-097-91	METAL GLAZE	100K	5% 1/10W	
R026	1-216-033-00	METAL GLAZE	220	5% 1/10W	
R027	1-216-065-91	METAL GLAZE	4.7K	5% 1/10W	
R030	1-216-073-00	METAL GLAZE	10K	5% 1/10W	
R033	1-216-065-91	METAL GLAZE	4.7K	5% 1/10W	
R034	1-216-073-00	METAL GLAZE	10K	5% 1/10W	
R035	1-216-065-91	METAL GLAZE	4.7K	5% 1/10W	
R036	1-216-033-00	METAL GLAZE	220	5% 1/10W	
R037	1-216-033-00	METAL GLAZE	220	5% 1/10W	
R038	1-216-089-91	METAL GLAZE	47K	5% 1/10W	
R039	1-216-089-91	METAL GLAZE	47K	5% 1/10W	
R040	1-216-065-91	METAL GLAZE	4.7K	5% 1/10W	
R041	1-216-025-91	METAL GLAZE	100	5% 1/10W	
R042	1-216-089-91	METAL GLAZE	47K	5% 1/10W	
R043	1-216-065-91	METAL GLAZE	4.7K	5% 1/10W	
R045	1-216-073-00	METAL GLAZE	10K	5% 1/10W	
R046	1-216-049-91	METAL GLAZE	1K	5% 1/10W	
R047	1-216-057-00	METAL GLAZE	2.2K	5% 1/10W	
R048	1-216-065-91	METAL GLAZE	4.7K	5% 1/10W	
R050	1-216-073-00	METAL GLAZE	10K	5% 1/10W	
R053	1-216-049-91	METAL GLAZE	1K	5% 1/10W	
R054	1-216-033-00	METAL GLAZE	220	5% 1/10W	
R056	1-216-121-91	METAL GLAZE	1M	5% 1/10W	
R057	1-216-049-91	METAL GLAZE	1K	5% 1/10W	
R058	1-216-049-91	METAL GLAZE	1K	5% 1/10W	
R059	1-216-033-00	METAL GLAZE	220	5% 1/10W	
R060	1-216-033-00	METAL GLAZE	220	5% 1/10W	
R061	1-216-049-91	METAL GLAZE	1K	5% 1/10W	
R063	1-216-073-00	METAL GLAZE	10K	5% 1/10W	
R064	1-216-049-91	METAL GLAZE	1K	5% 1/10W	
R065	1-216-049-91	METAL GLAZE	1K	5% 1/10W	
R066	1-216-049-91	METAL GLAZE	1K	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	

REF. NO.	PART NO.	DESCRIPTION			REMARK
R070	1-216-033-00	METAL GLAZE	220	5%	1/10W
R071	1-216-033-00	METAL GLAZE	220	5%	1/10W
R072	1-216-033-00	METAL GLAZE	220	5%	1/10W
R073	1-216-033-00	METAL GLAZE	220	5%	1/10W
R074	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R075	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R076	1-216-033-00	METAL GLAZE	220	5%	1/10W
R077	1-216-121-91	METAL GLAZE	1M	5%	1/10W
R078	1-216-097-91	METAL GLAZE	100K	5%	1/10W
R080	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R081	1-216-033-00	METAL GLAZE	220	5%	1/10W
R084	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R085	1-216-097-91	METAL GLAZE	100K	5%	1/10W
R086	1-216-033-00	METAL GLAZE	220	5%	1/10W
R087	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R088	1-216-065-91	METAL GLAZE	4.7K	5%	1/10W
R090	1-216-065-91	METAL GLAZE	4.7K	5%	1/10W
R091	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W
R092	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W
R099	1-216-037-00	METAL GLAZE	330	5%	1/10W
R111	1-216-033-00	METAL GLAZE	220	5%	1/10W
R112	1-216-033-00	METAL GLAZE	220	5%	1/10W
R113	1-216-033-00	METAL GLAZE	220	5%	1/10W
R115	1-216-033-00	METAL GLAZE	220	5%	1/10W
R117	1-216-033-00	METAL GLAZE	220	5%	1/10W
R118	1-216-033-00	METAL GLAZE	220	5%	1/10W
R119	1-216-033-00	METAL GLAZE	220	5%	1/10W
R120	1-216-033-00	METAL GLAZE	220	5%	1/10W
R121	1-216-033-00	METAL GLAZE	220	5%	1/10W
R122	1-216-033-00	METAL GLAZE	220	5%	1/10W
R123	1-216-033-00	METAL GLAZE	220	5%	1/10W
R124	1-216-033-00	METAL GLAZE	220	5%	1/10W
R125	1-216-033-00	METAL GLAZE	220	5%	1/10W
R127	1-216-033-00	METAL GLAZE	220	5%	1/10W
R128	1-216-033-00	METAL GLAZE	220	5%	1/10W
R131	1-216-065-91	METAL GLAZE	4.7K	5%	1/10W
R132	1-216-065-91	METAL GLAZE	4.7K	5%	1/10W
R133	1-216-065-91	METAL GLAZE	4.7K	5%	1/10W
R147	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W
R148	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W
R149	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W
R154	1-216-025-91	METAL GLAZE	100	5%	1/10W
R155	1-216-025-91	METAL GLAZE	100	5%	1/10W
R156	1-216-113-00	METAL GLAZE	470K	5%	1/10W
R157	1-216-017-91	METAL GLAZE	47	5%	1/10W
R158	1-216-113-00	METAL GLAZE	470K	5%	1/10W
R159	1-216-017-91	METAL GLAZE	47	5%	1/10W
R160	1-216-113-00	METAL GLAZE	470K	5%	1/10W
R161	1-216-017-91	METAL GLAZE	47	5%	1/10W
R163	1-216-033-00	METAL GLAZE	220	5%	1/10W
R164	1-216-033-00	METAL GLAZE	220	5%	1/10W
R165	1-216-033-00	METAL GLAZE	220	5%	1/10W
R171	1-216-035-00	METAL GLAZE	270	5%	1/10W
R172	1-216-035-00	METAL GLAZE	270	5%	1/10W
R173	1-216-035-00	METAL GLAZE	270	5%	1/10W
R204	1-249-377-11	CARBON	0.47	5%	1/4W F
R206	1-216-022-00	METAL GLAZE	75	5%	1/10W

REF. NO.	PART NO.	DESCRIPTION			REMARK
R213	1-216-113-00	METAL GLAZE	470K	5%	1/10W
R214	1-216-113-00	METAL GLAZE	470K	5%	1/10W
R215	1-216-113-00	METAL GLAZE	470K	5%	1/10W
R216	1-216-113-00	METAL GLAZE	470K	5%	1/10W
R217	1-216-113-00	METAL GLAZE	470K	5%	1/10W
R218	1-216-022-00	METAL GLAZE	75	5%	1/10W
R219	1-216-113-00	METAL GLAZE	470K	5%	1/10W
R220	1-216-113-00	METAL GLAZE	470K	5%	1/10W
R221	1-216-022-00	METAL GLAZE	75	5%	1/10W
R222	1-216-022-00	METAL GLAZE	75	5%	1/10W
R223	1-216-022-00	METAL GLAZE	75	5%	1/10W
R224	1-216-017-91	METAL GLAZE	47	5%	1/10W
R225	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W
R227	1-216-019-00	METAL GLAZE	56	5%	1/10W
R229	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R230	1-216-113-00	METAL GLAZE	470K	5%	1/10W
R231	1-216-113-00	METAL GLAZE	470K	5%	1/10W
R235	1-216-041-00	METAL GLAZE	470	5%	1/10W
R236	1-216-041-00	METAL GLAZE	470	5%	1/10W
R241	1-216-041-00	METAL GLAZE	470	5%	1/10W
R245	1-216-041-00	METAL GLAZE	470	5%	1/10W
R255	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R258	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R260	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R261	1-216-065-91	METAL GLAZE	4.7K	5%	1/10W
R262	1-216-095-00	METAL GLAZE	82K	5%	1/10W
R263	1-216-095-00	METAL GLAZE	82K	5%	1/10W
R264	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R265	1-216-097-91	METAL GLAZE	100K	5%	1/10W
R266	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W
R268	1-216-105-91	METAL GLAZE	220K	5%	1/10W
R275	1-216-033-00	METAL GLAZE	220	5%	1/10W
R276	1-216-033-00	METAL GLAZE	220	5%	1/10W
R277	1-216-025-91	METAL GLAZE	100	5%	1/10W
R278	1-216-025-91	METAL GLAZE	100	5%	1/10W
R279	1-216-025-91	METAL GLAZE	100	5%	1/10W
R280	1-216-041-00	METAL GLAZE	470	5%	1/10W
R281	1-216-041-00	METAL GLAZE	470	5%	1/10W
R282	1-216-041-00	METAL GLAZE	470	5%	1/10W
R283	1-216-041-00	METAL GLAZE	470	5%	1/10W
R284	1-216-041-00	METAL GLAZE	470	5%	1/10W
R285	1-216-041-00	METAL GLAZE	470	5%	1/10W
R286	1-216-025-91	METAL GLAZE	100	5%	1/10W
R287	1-216-025-91	METAL GLAZE	100	5%	1/10W
R288	1-216-025-91	METAL GLAZE	100	5%	1/10W
R289	1-216-025-91	METAL GLAZE	100	5%	1/10W
R290	1-216-025-91	METAL GLAZE	100	5%	1/10W
R291	1-216-025-91	METAL GLAZE	100	5%	1/10W
R294	1-216-043-91	METAL GLAZE	560	5%	1/10W
R295	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R296	1-216-025-91	METAL GLAZE	100	5%	1/10W
R297	1-216-093-00	METAL GLAZE	68K	5%	1/10W
R299	1-216-041-00	METAL GLAZE	470	5%	1/10W
R301	1-216-041-00	METAL GLAZE	470	5%	1/10W
R302	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R303	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R304	1-216-049-91	METAL GLAZE	1K	5%	1/10W

REF. NO.	PART NO.	DESCRIPTION			REMARK
R305	1-216-033-00	METAL GLAZE	220	5%	1/10W
R306	1-216-025-91	METAL GLAZE	100	5%	1/10W
R307	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R308	1-216-017-91	METAL GLAZE	47	5%	1/10W
R309	1-216-017-91	METAL GLAZE	47	5%	1/10W
R310	1-216-017-91	METAL GLAZE	47	5%	1/10W
R314	1-216-033-00	METAL GLAZE	220	5%	1/10W
R315	1-216-033-00	METAL GLAZE	220	5%	1/10W
R319	1-216-033-00	METAL GLAZE	220	5%	1/10W
R320	1-216-033-00	METAL GLAZE	220	5%	1/10W
R322	1-216-077-00	METAL GLAZE	15K	5%	1/10W
R323	1-216-025-91	METAL GLAZE	100	5%	1/10W
R324	1-216-025-91	METAL GLAZE	100	5%	1/10W
R325	1-216-025-91	METAL GLAZE	100	5%	1/10W
R326	1-208-786-11	METAL GLAZE	1.5K	0.50%	1/10W
R327	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R328	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R330	1-216-025-91	METAL GLAZE	100	5%	1/10W
R331	1-216-025-91	METAL GLAZE	100	5%	1/10W
R332	1-216-035-00	METAL GLAZE	270	5%	1/10W
R333	1-208-810-11	METAL GLAZE	15K	0.50%	1/10W
R334	1-216-043-91	METAL GLAZE	560	5%	1/10W
R335	1-216-033-00	METAL GLAZE	220	5%	1/10W
R337	1-216-033-00	METAL GLAZE	220	5%	1/10W
R338	1-216-033-00	METAL GLAZE	220	5%	1/10W
R339	1-216-033-00	METAL GLAZE	220	5%	1/10W
R340	1-216-025-91	METAL GLAZE	100	5%	1/10W
R342	1-216-025-91	METAL GLAZE	100	5%	1/10W
R343	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R344	1-216-067-00	METAL GLAZE	5.6K	5%	1/10W
R345	1-216-109-00	METAL GLAZE	330K	5%	1/10W
R346	1-216-053-00	METAL GLAZE	1.5K	5%	1/10W
R347	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R348	1-216-133-00	METAL GLAZE	3.3M	5%	1/10W
R349	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R350	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R351	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W
R352	1-216-059-00	METAL GLAZE	2.7K	5%	1/10W
R353	1-216-059-00	METAL GLAZE	2.7K	5%	1/10W
R354	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R355	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R356	1-216-025-91	METAL GLAZE	100	5%	1/10W
R357	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R361	1-216-041-00	METAL GLAZE	470	5%	1/10W
R362	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R363	1-216-077-00	METAL GLAZE	15K	5%	1/10W
R364	1-208-783-11	METAL GLAZE	1.1K	0.50%	1/10W
R365	1-216-081-00	METAL GLAZE	22K	5%	1/10W
R366	1-216-017-91	METAL GLAZE	47	5%	1/10W
R367	1-216-083-00	METAL GLAZE	27K	5%	1/10W
R368	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W
R369	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R370	1-216-083-00	METAL GLAZE	27K	5%	1/10W
R371	1-216-077-00	METAL GLAZE	15K	5%	1/10W
R372	1-216-065-91	METAL GLAZE	4.7K	5%	1/10W
R373	1-216-079-00	METAL GLAZE	18K	5%	1/10W

REF. NO.	PART NO.	DESCRIPTION			REMARK
R374	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R375	1-216-113-00	METAL GLAZE	470K	5%	1/10W
R376	1-216-129-00	METAL GLAZE	2.2M	5%	1/10W
R377	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R378	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W
R379	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R380	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R381	1-216-097-91	METAL GLAZE	100K	5%	1/10W
R384	1-249-377-11	CARBON	0.47	5%	1/4W F
R401	1-249-377-11	CARBON	0.47	5%	1/4W F
R402	1-249-377-11	CARBON	0.47	5%	1/4W F
R403	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R404	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R406	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R407	1-216-025-91	METAL GLAZE	100	5%	1/10W
R408	1-216-025-91	METAL GLAZE	100	5%	1/10W
R412	1-216-025-91	METAL GLAZE	100	5%	1/10W
R413	1-216-025-91	METAL GLAZE	100	5%	1/10W
R414	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R415	1-216-041-00	METAL GLAZE	470	5%	1/10W
R416	1-216-041-00	METAL GLAZE	470	5%	1/10W
R418	1-216-025-91	METAL GLAZE	100	5%	1/10W
R422	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W
R423	1-216-025-91	METAL GLAZE	100	5%	1/10W
R424	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R425	1-216-041-00	METAL GLAZE	470	5%	1/10W
R427	1-216-051-00	METAL GLAZE	1.2K	5%	1/10W
R428	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R429	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R430	1-216-051-00	METAL GLAZE	1.2K	5%	1/10W
R432	1-216-081-00	METAL GLAZE	22K	5%	1/10W
R433	1-216-011-00	METAL GLAZE	27	5%	1/10W
R434	1-216-075-00	METAL GLAZE	12K	5%	1/10W
R435	1-216-075-00	METAL GLAZE	12K	5%	1/10W
R436	1-216-011-00	METAL GLAZE	27	5%	1/10W
R437	1-249-418-11	CARBON	1.2K	5%	1/4W F
R438	1-249-418-11	CARBON	1.2K	5%	1/4W F
R439	1-249-389-11	CARBON	4.7	5%	1/4W F
R440	1-249-389-11	CARBON	4.7	5%	1/4W F
R441	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R442	1-216-025-91	METAL GLAZE	100	5%	1/10W
R443	1-216-295-91	CONDUCTOR, CHIP			
R444	1-216-295-91	CONDUCTOR, CHIP			
R1101	1-216-065-91	METAL GLAZE	4.7K	5%	1/10W
R1102	1-216-083-00	METAL GLAZE	27K	5%	1/10W
R1103	1-216-689-11	METAL GLAZE	39K	5%	1/10W
R1104	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R1105	1-216-689-11	METAL GLAZE	39K	5%	1/10W
R1106	1-216-083-00	METAL GLAZE	27K	5%	1/10W
R1107	1-216-065-91	METAL GLAZE	4.7K	5%	1/10W
R1108	1-215-900-11	METAL OXIDE	22K	5%	2W F
R1501	1-216-351-00	METAL OXIDE	1.5	5%	1W F
R1502	1-216-675-11	METAL CHIP	10K	0.50%	1/10W
R1504	1-216-675-11	METAL CHIP	10K	0.50%	1/10W
R1505	1-215-857-11	METAL OXIDE	10	5%	1W F
R1506	1-215-888-00	METAL OXIDE	220	5%	2W F
R1507	1-216-081-00	METAL GLAZE	22K	5%	1/10W

A G

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

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

REF. NO.	PART NO.	DESCRIPTION			REMARK
R1508	1-249-383-11	CARBON	1.5	5%	1/4W F
R1509	1-216-675-11	METAL CHIP	10K	0.50%	1/10W
R1510	1-216-675-11	METAL CHIP	10K	0.50%	1/10W
R1511	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W
R1520	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R1522	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R1523	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R1524	1-216-097-91	METAL GLAZE	100K	5%	1/10W
R1525	1-216-686-11	METAL CHIP	30K	0.50%	1/10W
R1526	1-216-686-11	METAL CHIP	30K	0.50%	1/10W
R1527	1-216-097-91	METAL GLAZE	100K	5%	1/10W
R1528	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R1529	1-216-025-91	METAL GLAZE	100	5%	1/10W
R2106	1-216-025-91	METAL GLAZE	100	5%	1/10W
R2109	1-216-041-00	METAL GLAZE	470	5%	1/10W
R2110	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R2111	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R2112	1-216-065-91	METAL GLAZE	4.7K	5%	1/10W
R2201	1-216-041-00	METAL GLAZE	470	5%	1/10W
R2202	1-216-041-00	METAL GLAZE	470	5%	1/10W
R2203	1-216-025-91	METAL GLAZE	100	5%	1/10W
R2204	1-216-045-00	METAL GLAZE	680	5%	1/10W
R2205	1-216-041-00	METAL GLAZE	470	5%	1/10W
R2208	1-216-041-00	METAL GLAZE	470	5%	1/10W
R2209	1-216-041-00	METAL GLAZE	470	5%	1/10W
		<THERMISTOR>			
TH1501	1-800-193-00	THERMISTOR			
		<TUNER>			
TU1101	8-598-340-00	TUNER, FSS BTF-WA404			
TU1102	8-598-339-00	TUNER, FSS BTF-LA402			
		<CRYSTAL>			
X001	1-577-358-21	VIBRATOR, CERAMIC			
X002	1-578-774-11	VIBRATOR, CRYSTAL			
X301	1-567-505-11	OSCILLATOR, CRYSTAL			
X304	1-577-611-11	OSCILALTOR, CERAMIC			
**********					
*	A-1316-367-A	G BOARD, COMPLETE			
		**********			
*	4-057-835-01	PLATE, TRANSFORMER SHIELD			
	4-382-854-11	SCREW (M3X10), P, SW (+)			
	4-382-854-51	SCREW (M3X8), P, SW (+)			
	7-682-952-09	SCREW +PSW 3X16			
		<CAPACITOR>			
C502	1-126-959-11	ELECT	0.47µF	20%	50V
C504	1-102-116-00	CERAMIC	680PF	10%	50V
C505	1-130-471-00	MYLAR	0.001µF	5%	50V
C506	1-126-933-11	ELECT	100µF	20%	16V

REF. NO.		PART NO.	DESCRIPTION			REMARK
C507		1-126-965-11	ELECT	22µF	20%	50V
C508		1-102-212-00	CERAMIC	820PF	10%	500V
C509		1-106-383-00	MYLAR	0.047µF	10%	200V
C510		1-102-002-00	CERAMIC	680PF	10%	500V
C511		1-130-475-00	MYLAR	0.0022µF	5%	50V
C512		1-136-479-11	FILM	0.001µF	5%	50V
C513		1-126-965-11	ELECT	22µF	20%	50V
⋈ C514	⚠		CERAMIC			2KV
C515	⚠	1-125-831-91	FILM	0.033µF	3%	630V
C516	⚠	1-117-807-11	FILM	14500PF	3%	1.6KV
C518		1-130-495-00	MYLAR	0.1µF	5%	50V
C519		1-136-287-11	FILM	0.0047µF	5%	100V
C520		1-162-116-00	CERAMIC	680PF	10%	2KV
C521		1-162-116-00	CERAMIC	680PF	10%	2KV
C523		1-117-673-11	FILM	1.5µF	5%	200V
C524		1-136-287-11	FILM	0.0047µF	5%	100V
C526		1-102-228-00	CERAMIC	470PF	10%	500V
C527		1-104-664-11	ELECT	47µF	20%	25V
C528		1-107-649-11	ELECT	2.2µF	20%	250V
C529		1-109-961-11	FILM	0.75µF	5%	200V
C530		1-110-626-11	ELECT	330µF	20%	160V
C531		1-126-971-11	ELECT	470µF	20%	50V
C532		1-126-971-11	ELECT	470µF	20%	50V
C533		1-128-562-11	ELECT	47µF	20%	100V
C535		1-106-387-00	MYLAR	0.068µF	5%	200V
C536		1-130-489-00	MYLAR	0.033µF	5%	50V
C537		1-104-665-11	ELECT	100µF	20%	25V
C538		1-104-665-11	ELECT	100µF	20%	25V
C539		1-162-114-00	CERAMIC	0.0047µF		2KV
C540		1-130-487-00	MYLAR	0.022µF	5%	50V
C541		1-130-489-00	MYLAR	0.033µF	5%	50V
C542		1-104-666-11	ELECT	220µF	20%	25V
C544		1-104-665-11	ELECT	100µF	20%	25V
C545		1-104-665-11	ELECT	100µF	20%	25V
C546		1-107-637-11	ELECT	22µF	20%	160V
C548		1-102-244-00	CERAMIC	220PF	10%	500V
C550		1-126-935-11	ELECT	470µF	20%	16V
C551		1-126-935-11	ELECT	470µF	20%	16V
C554		1-129-702-00	FILM	0.001µF	5%	630V
C555		1-126-960-11	ELECT	1µF	20%	50V
C556		1-130-495-00	MYLAR	0.1µF	5%	50V
C602	⚠	1-113-920-11	CERAMIC	0.0022µF	20%	250V
C603		1-104-330-91	CERAMIC	470PF	10%	1KV
C604	⚠	1-136-311-11	FILM	0.47µF	20%	125V
C605	⚠	1-113-920-11	CERAMIC	0.0022µF	20%	250V
C606	⚠	1-136-311-11	FILM	0.47µF	20%	125V
C607		1-125-692-11	ELECT(BLOCK)	820µF	20%	200V
C608		1-125-692-11	ELECT(BLOCK)	820µF	20%	200V
C612		1-164-646-11	CERAMIC	2200PF	10%	500V
C615		1-136-173-00	FILM	0.47µF	5%	50V
C616		1-136-173-00	FILM	0.47µF	5%	50V
C617		1-136-169-00	FILM	0.22µF	5%	50V
C618		1-136-169-00	FILM	0.22µF	5%	50V
C621		1-129-719-00	FILM	0.027µF	5%	630V
C651		1-107-910-11	ELECT	100µF	20%	35V
C652		1-123-024-21	ELECT	33µF		160V

REF. NO.	PART NO.	DESCRIPTION			REMARK
C653	1-115-755-11	ELECT	180µF	20%	16V
C654	1-115-755-11	ELECT	180µF	20%	16V
C655	1-126-943-11	ELECT	2200µF	20%	25V
C656	1-126-943-11	ELECT	2200µF	20%	25V
C657	1-126-943-11	ELECT	2200µF	20%	25V
C658	1-128-550-11	ELECT	2200µF	20%	50V
C659	1-102-074-00	CERAMIC	0.001µF	10%	50V
C660	1-126-235-11	ELECT	100µF	20%	6.3V
C661	1-102-074-00	CERAMIC	0.001µF	10%	50V
C662	1-104-664-11	ELECT	47µF	20%	25V
C663	1-104-664-11	ELECT	47µF	20%	25V
C664	1-107-888-11	ELECT	47µF	20%	25V
C665	1-104-666-11	ELECT	220µF	20%	25V
C666	1-126-960-11	ELECT	1µF	20%	50V
C667	1-104-664-11	ELECT	47µF	20%	25V
C668	1-126-933-11	ELECT	100µF	20%	16V
C671	1-104-664-11	ELECT	47µF	20%	25V
C672	1-126-971-11	ELECT	470µF	20%	50V
C673	1-162-115-00	CERAMIC	330PF	10%	1KV
C675	1-104-665-11	ELECT	100µF	20%	25V
C676	1-126-960-11	ELECT	1µF	20%	50V
C801	1-104-665-11	ELECT	100µF	20%	25V
C802	1-104-665-11	ELECT	100µF	20%	25V
C803	1-126-934-11	ELECT	220µF	20%	16V
C804	1-126-934-11	ELECT	220µF	20%	16V
C805	1-126-934-11	ELECT	220µF	20%	16V
C806	1-126-934-11	ELECT	220µF	20%	16V
C807	1-137-374-11	FILM	0.047µF	5%	50V
C808	1-137-374-11	FILM	0.047µF	5%	50V
C809	1-137-374-11	FILM	0.047µF	5%	50V
C810	1-137-374-11	FILM	0.047µF	5%	50V
C811	1-137-366-11	FILM	0.0022µF	5%	50V
C812	1-136-169-00	FILM	0.22µF	5%	50V
C813	1-137-374-11	FILM	0.047µF	5%	50V
C815	1-126-941-11	ELECT	470µF	20%	25V
C816	1-126-964-11	ELECT	10µF	20%	50V
C817	1-164-096-11	CERAMIC	0.01µF		50V
C818	1-126-933-11	ELECT	100µF	20%	16V
C819	1-126-964-11	ELECT	10µF	20%	50V
C820	1-102-114-00	CERAMIC	470PF	10%	50V
C821	1-130-495-00	MYLAR	0.1µF	5%	50V
C822	1-164-096-11	CERAMIC	0.01µF		50V
C823	1-101-880-00	CERAMIC	47PF	5%	50V
C825	1-104-665-11	ELECT	100µF	20%	25V
C826	1-136-165-00	FILM	0.1µF	5%	50V
C827	1-126-960-11	ELECT	1µF	20%	50V
C828	1-137-366-11	FILM	0.0022µF	5%	50V
C829	1-126-959-11	ELECT	0.47µF	20%	50V
C830	1-136-356-11	FILM	470PF	5%	50V
C831	1-126-960-11	ELECT	1µF	20%	50V
C832	1-126-960-11	ELECT	1µF	20%	50V
C833	1-126-960-11	ELECT	1µF	20%	50V
C834	1-104-665-11	ELECT	100µF	20%	25V
C835	1-104-664-11	ELECT	47µF	20%	25V
C836	1-136-169-00	FILM	0.22µF	5%	50V
C837	1-126-963-11	ELECT	4.7µF	20%	50V
C838	1-104-665-11	ELECT	100µF	20%	25V
C839	1-137-374-11	FILM	0.047µF	5%	50V
C840	1-104-665-11	ELECT	100µF	20%	25V
C841	1-137-374-11	FILM	0.047µF	5%	50V
C842	1-137-374-11	FILM	0.047µF	5%	50V
C843	1-104-665-11	ELECT	100µF	20%	25V
C844	1-126-933-11	ELECT	100µF	20%	16V
C845	1-126-933-11	ELECT	100µF	20%	16V
C846	1-126-933-11	ELECT	100µF	20%	16V
C847	1-126-933-11	ELECT	100µF	20%	16V
C848	1-126-933-11	ELECT	100µF	20%	16V
C851	1-137-374-11	FILM	0.047µF	5%	50V
C852	1-137-374-11	FILM	0.047µF	5%	50V
C853	1-137-374-11	FILM	0.047µF	5%	50V
C854	1-126-933-11	ELECT	100µF	20%	16V
C857	1-126-933-11	ELECT	100µF	20%	16V
C858	1-126-941-11	ELECT	470µF	20%	25V
C860	1-126-933-11	ELECT	100µF	20%	16V
C861	1-137-374-11	FILM	0.047µF	5%	50V
C862	1-137-374-11	FILM	0.047µF	5%	50V
C863	1-137-374-11	FILM	0.047µF	5%	50V
C864	1-126-933-11	ELECT	100µF	20%	16V
C865	1-130-471-00	MYLAR	0.001µF	5%	50V
C866	1-136-177-00	FILM	1µF	5%	50V
C867	1-101-880-00	CERAMIC	47PF	5%	50V
C868	1-101-880-00	CERAMIC	47PF	5%	50V
C869	1-130-487-00	MYLAR	0.022µF	5%	50V
C871	1-101-880-00	CERAMIC	47PF	5%	50V
C872	1-101-880-00	CERAMIC	47PF	5%	50V
C873	1-101-880-00	CERAMIC	47PF	5%	50V
C880	1-126-961-11	ELECT	2.2µF	20%	50V
C881	1-102-973-00	CERAMIC	100PF	5%	50V
C882	1-102-973-00	CERAMIC	100PF	5%	50V
C883	1-102-973-00	CERAMIC	100PF	5%	50V
C885	1-126-961-11	ELECT	2.2µF	20%	50V
C886	1-102-973-00	CERAMIC	100PF	5%	50V
C887	1-102-973-00	CERAMIC	100PF	5%	50V
C888	1-102-973-00	CERAMIC	100PF	5%	50V
C889	1-126-941-11	ELECT	470µF	20%	25V
C897	1-126-941-11	ELECT	470µF	20%	25V

<CONNECTOR>

CN501		1-564-513-11	PLUG, CONNECTOR 10P
CN502	*	1-580-689-11	PIN, CONNECTOR (PC BOARD) 4P
CN503	*	1-580-689-11	PIN, CONNECTOR (PC BOARD) 4P
CN504	*	1-580-689-11	PIN, CONNECTOR (PC BOARD) 4P
CN505	*	1-506-371-00	PIN, CONNECTOR 2P
CN506	*	1-774-182-11	CONNECTOR, BOARD TO BOARD10P
CN507	*	1-564-507-11	PLUG, CONNECTOR 4P
CN601	*	1-580-843-11	PIN, CONNECTOR (POWER)
CN651	*	1-774-182-11	CONNECTOR, BOARD TO BOARD10P
CN652	*	1-774-182-11	CONNECTOR, BOARD TO BOARD10P
CN653	*	1-573-963-11	PIN, CONNECTOR (PC BOARD) 3P
CN801	*	1-564-507-11	PLUG, CONNECTOR 4P
CN802	*	1-564-507-11	PLUG, CONNECTOR 4P
CN803	*	1-564-507-11	PLUG, CONNECTOR 4P
CN804	*	1-774-182-11	CONNECTOR, BOARD TO BOARD10P

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

REF. NO.		PART NO.	DESCRIPTION	REMARK
CN805	*	1-691-134-11	PIN, CONNECTOR (PC BOARD) 2P	
			<DIODE>	
D501		8-719-991-33	DIODE 1SS133T-77	
D502		8-719-991-33	DIODE 1SS133T-77	
D503		8-719-018-82	DIODE RGP02-20EL-6394	
D504		8-719-921-63	DIODE MTZJ-7.5B	
D507		8-719-302-43	DIODE EL1Z	
D508		8-719-900-26	DIODE ERD29-08J	
D509		8-719-945-80	DIODE ERC06-15S	
D510		8-719-945-80	DIODE ERC06-15S	
D511		8-719-302-43	DIODE EL1Z	
D513		8-719-302-43	DIODE EL1Z	
D514		8-719-908-03	DIODE GP08D	
D515		8-719-908-03	DIODE GP08D	
D517		8-719-018-82	DIODE RGP02-20EL-6394	
D519		8-719-991-33	DIODE 1SS133T-77	
D520		8-719-302-43	DIODE EL1Z	
D521		8-719-302-43	DIODE EL1Z	
D524		8-719-991-33	DIODE 1SS133T-77	
D527		8-719-109-85	DIODE RD5.1ESB2	
D528		8-719-923-86	DIODE MTZJ-T-77-15	
D602	⚠	8-719-052-84	DIODE LN4SB60	
D651		8-719-510-26	DIODE D1NL20-TA	
D652		8-719-991-33	DIODE 1SS133T-77	
D653		8-719-510-02	DIODE D1NS4	
D654		8-719-022-97	DIODE D2S4µF	
D655		8-719-061-56	DIODE RBA-402LLF-A	
D656		8-719-052-92	DIODE D10SBS4F	
D657		8-719-052-91	DIODE D4SBS4-F	
D658		8-719-510-12	DIODE D10SC4M	
D660		8-719-991-33	DIODE 1SS133T-77	
D661		8-719-200-82	DIODE 11ES2	
D662		8-719-991-33	DIODE 1SS133T-77	
D664		8-719-110-61	DIODE RD24ESB1	
D669		8-719-991-33	DIODE 1SS133T-77	
D670		8-719-923-86	DIODE MTZJ-13	
D691		8-719-200-82	DIODE 11ES2	
D692		8-719-200-82	DIODE 11ES2	
D693		8-719-200-82	DIODE 11ES2	
D694		8-719-200-82	DIODE 11ES2	
D801		8-719-110-17	DIODE RD10ESB2	
D802		8-719-110-17	DIODE RD10ESB2	
D803		8-719-110-17	DIODE RD10ESB2	
D804		8-719-110-17	DIODE RD10ESB2	
D809		8-719-991-33	DIODE 1SS133T-77	
D810		8-719-991-33	DIODE 1SS133T-77	
D820		8-719-109-68	DIODE RD3.6ESB1	
D828		8-719-109-89	DIODE RD5.6ESB2	
D829		8-719-109-85	DIODE RD5.1ESB2	
D835		8-719-109-89	DIODE RD5.6ESB2	
D840		8-719-991-33	DIODE 1SS133T-77	
D842		8-719-991-33	DIODE 1SS133T-77	
D845		8-719-991-33	DIODE 1SS133T-77	
D846		8-719-991-33	DIODE 1SS133T-77	
D847		8-719-982-19	DIODE MTZJ-30A	
D848		8-719-923-86	DIODE MTZJ-T-77-15	
D849		8-719-110-22	DIODE RD11ESB2	
D850		8-719-109-89	DIODE RD5.6ESB2	
D852		8-719-923-86	DIODE MTZJ-T-77-15	
D853		8-719-982-19	DIODE MTZJ-30A	
D854		8-719-982-19	DIODE MTZJ-30A	
D855		8-719-982-19	DIODE MTZJ-30A	
D856		1-164-096-11	CERAMIC 0.01µF 50V	
D857		8-719-982-19	DIODE MTZJ-30A	
D859		1-164-096-11	CERAMIC 0.01µF 50V	
D860		8-719-982-19	DIODE MTZJ-30A	
			<FUSE>	
F601	⚠	1-532-748-11	FUSE, GLASS TUBE 6.3A/125V	
		1-533-223-11	CLIP, FUSE	
			<FERRITE BEAD>	
FB501		1-410-397-21	FERRITE 1.1µH	
FB651		1-410-396-41	FERRITE 0.45µH	
FB652		1-410-396-41	FERRITE 0.45µH	
FB653		1-410-396-41	FERRITE 0.45µH	
FB654		1-410-397-21	FERRITE 1.1µH	
FB655		1-410-396-41	FERRITE 0.45µH	
FB656		1-410-396-41	FERRITE 0.45µH	
FB657		1-410-396-41	FERRITE 0.45µH	
FB660		1-412-761-11	FERRITE 0µH	
FB661		1-412-761-11	FERRITE 0µH	
			<IC>	
IC501		8-759-133-90	IC UPC339C	
IC601	⚠	8-729-041-12	TRANSISTOR MX0841AB-F	
IC651	⚠	1-810-051-11	POWER MODULE DM-48	
IC651		8-749-012-13	IC DM-58	
IC652		8-759-012-67	IC MC7905CT	
IC653		8-759-231-53	IC TA7805S	
IC654		8-759-231-53	IC TA7805S	
IC655		8-759-231-58	IC TA7812S	
IC801		8-759-327-51	IC PA0053B	
IC802		8-759-327-51	IC PA0053B	
IC803		8-759-183-37	IC CA0007AD	
IC804		8-759-464-79	IC PM0011AS	
IC805		8-759-711-28	IC NJM2058D	
IC806		8-759-464-79	IC PM0011AS	
IC808		8-759-464-79	IC PM0011AS	
IC809		8-749-014-37	IC STK392-150	
IC810		8-749-014-37	IC STK392-150	
IC811		8-759-634-51	IC M5218AP	
			<COIL>	
L502		1-410-478-11	INDUCTOR 47µH	
L503		1-459-111-00	INDUCTOR 0µH	
L506		1-412-552-11	INDUCTOR 2.2µµH	

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

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

REF. NO.		PART NO.	DESCRIPTION				REMARK
L509		1-412-533-21	INDUCTOR	47µH			
L601	⚠	1-424-248-11	TRANSFORMER, LINE FILTER				
L651		1-414-158-11	INDUCTOR	2.2µH			
L652		1-414-158-11	INDUCTOR	2.2µH			
L653		1-414-158-11	INDUCTOR	2.2µH			
L654		1-414-158-11	INDUCTOR	2.2µH			
L656		1-412-523-11	INDUCTOR	6.8µH			
L801		1-406-975-21	INDUCTOR	0µH			
L802		1-406-975-21	INDUCTOR	0µH			
			<IC LINK>				
PS601	⚠	1-533-597-31	LINK, IC				
PS602	⚠	1-533-597-31	LINK, IC				
			<TRANSISTOR>				
Q501		8-729-119-80	TRANSISTOR 2SC2688-LK				
Q502		8-729-024-05	TRANSISTOR 2SD2348(LBSONY-1)				
Q503		8-729-119-76	TRANSISTOR 2SA1175-HFE				
Q504		8-729-823-81	TRANSISTOR 2SC4632LS-CB7				
Q505		8-729-931-45	TRANSISTOR IRF614				
Q506		8-729-119-78	TRANSISTOR 2SC2785-HFE				
Q507		8-729-032-61	TRANSISTOR 2SC5022-02				
Q651		8-729-119-76	TRANSISTOR 2SA1175-HFE				
Q652		8-729-119-78	TRANSISTOR 2SC2785-HFE				
Q653		8-729-119-78	TRANSISTOR 2SC2785-HFE				
Q654		8-729-119-76	TRANSISTOR 2SA1175-HFE				
Q655		8-729-119-76	TRANSISTOR 2SA1175-HFE				
Q656		8-729-119-78	TRANSISTOR 2SC2785-HFE				
Q657		8-729-119-76	TRANSISTOR 2SA1175-HFE				
Q658		8-729-119-78	TRANSISTOR 2SC2785-HFE				
Q659		8-729-119-76	TRANSISTOR 2SA1175-HFE				
Q660		8-729-119-78	TRANSISTOR 2SC2785-HFE				
Q661		8-729-119-78	TRANSISTOR 2SC2785-HFE				
Q662		8-729-119-78	TRANSISTOR 2SC2785-HFE				
Q802		8-729-119-76	TRANSISTOR 2SA1175-HFE				
Q803		8-729-119-76	TRANSISTOR 2SA1175-HFE				
Q804		8-729-119-78	TRANSISTOR 2SC2785-HFE				
Q805		8-729-119-78	TRANSISTOR 2SC2785-HFE				
Q809		8-729-119-78	TRANSISTOR 2SC2785-HFE				
Q810		8-729-119-78	TRANSISTOR 2SC2785-HFE				
			<RESISTOR>				
R501		1-249-421-11	CARBON	2.2K	5%	1/4W	
R502		1-215-879-11	METAL OXIDE	47K	5%	1W	F
R503		1-247-843-11	CARBON	3.3K	5%	1/4W	
R504		1-249-419-11	CARBON	1.5K	5%	1/4W	
R505		1-247-895-91	CARBON	470K	5%	1/4W	
R506		1-249-429-11	CARBON	10K	5%	1/4W	
R507		1-249-422-11	CARBON	2.7K	5%	1/4W	
R508		1-260-337-11	CARBON	5.6K	5%	1/2W	
R509		1-249-437-11	CARBON	47K	5%	1/4W	
R510		1-215-919-11	METAL OXIDE	2.2K	5%	3W	F
R511		1-215-919-11	METAL OXIDE	2.2K	5%	3W	F
R512		1-216-482-11	METAL OXIDE	1.8K	5%	3W	F
R513		1-249-424-11	CARBON	3.9K	5%	1/4W	
R514	⚠		METAL			1/4W	
R516		1-215-443-00	METAL	8.2K	1%	1/4W	
R517		1-215-449-00	METAL	15K	1%	1/4W	
R518		1-215-456-00	METAL	30K	1%	1/4W	
R519		1-247-863-91	CARBON	22K	5%	1/4W	
R522		1-249-428-11	CARBON	8.2K	5%	1/4W	
R523		1-249-437-11	CARBON	47K	5%	1/4W	
R524		1-247-863-91	CARBON	22K	5%	1/4W	
R525		1-249-405-11	CARBON	100	5%	1/4W	F
R528		1-215-910-00	METAL OXIDE	68	5%	3W	F
R530		1-249-437-11	CARBON	47K	5%	1/4W	
R531		1-215-868-00	METAL OXIDE	680	5%	1W	F
R532		1-260-314-11	CARBON	68	5%	1/2W	
R533		1-214-912-00	METAL	91K	1%	1/2W	
R534		1-215-479-00	METAL	270K	1%	1/4W	
R535		1-247-887-00	CARBON	220K	5%	1/4W	
R536		1-260-288-11	CARBON	0.47	5%	1/2W	
R537		1-260-336-11	CARBON	4.7K	5%	1/2W	
R538		1-247-863-91	CARBON	22K	5%	1/4W	
R539		1-249-377-11	CARBON	0.47	5%	1/4W	F
R540		1-249-379-11	CARBON	0.68	5%	1/4W	F
R541		1-260-087-11	CARBON	100	5%	1/2W	
R542		1-215-862-11	METAL OXIDE	68	5%	1W	F
R543		1-216-349-00	METAL OXIDE	1	5%	1W	F
R544		1-215-862-11	METAL OXIDE	68	5%	1W	F
R545		1-249-377-11	CARBON	0.47	5%	1/4W	F
R546		1-249-377-11	CARBON	0.47	5%	1/4W	F
R547		1-247-807-31	CARBON	100	5%	1/4W	
R548		1-249-413-11	CARBON	470	5%	1/4W	
R549		1-247-863-91	CARBON	22K	5%	1/4W	
R550		1-247-807-31	CARBON	100	5%	1/4W	
R551		1-249-437-11	CARBON	47K	5%	1/4W	
R552		1-247-807-31	CARBON	100	5%	1/4W	
R553		1-247-881-00	CARBON	120K	5%	1/4W	
R554		1-249-405-11	CARBON	100	5%	1/4W	F
R556		1-260-117-11	CARBON	33K	5%	1/2W	
R557		1-216-490-11	METAL OXIDE	39K	5%	3W	F
R558		1-216-490-11	METAL OXIDE	39K	5%	3W	F
R559		1-216-490-11	METAL OXIDE	39K	5%	3W	F
R560		1-215-399-00	METAL	120	1%	1/4W	
R561	⚠		METAL			1/4W	
R563		1-249-429-11	CARBON	10K	5%	1/4W	
R564		1-260-131-11	CARBON	470K	5%	1/2W	
R565		1-260-087-11	CARBON	100	5%	1/2W	
R566		1-249-377-11	CARBON	0.47	5%	1/4W	F
R567		1-249-377-11	CARBON	0.47	5%	1/4W	F
R568		1-247-903-00	CARBON	1M	5%	1/4W	
R569		1-216-392-11	METAL OXIDE	1.8	5%	3W	F
R570		1-215-910-00	METAL OXIDE	68	5%	3W	F
R571		1-249-422-11	CARBON	2.7K	5%	1/4W	
R572		1-247-895-91	CARBON	470K	5%	1/4W	
R573		1-249-430-11	CARBON	12K	5%	1/4W	
R574		1-249-429-11	CARBON	10K	5%	1/4W	
R577		1-249-422-11	CARBON	2.7K	5%	1/4W	
R579		1-247-895-91	CARBON	470K	5%	1/4W	

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

REF. NO.	PART NO.	DESCRIPTION			REMARK
R580	1-247-863-91	CARBON	22K	5%	1/4W
R581	1-249-428-11	CARBON	8.2K	5%	1/4W
R583	1-249-428-11	CARBON	8.2K	5%	1/4W
R584	1-247-887-00	CARBON	220K	5%	1/4W
R585	1-216-490-11	METAL OXIDE	39K	5%	3W F
R586	1-260-292-11	CARBON	1	5%	1/2W
R588	1-247-863-91	CARBON	22K	5%	1/4W
R589	1-247-887-00	CARBON	220K	5%	1/4W
R591	1-215-917-11	METAL OXIDE	1K	5%	3W F
R601	⚠ 1-219-512-11	CARBON	2.2M	5%	1/2W
R602	⚠ 1-202-981-11	CEMENTED	0.82	5%	20W
R608	⚠ 1-202-933-61	FUSIBLE	0.1	10%	1/2W F
R609	1-247-887-00	CARBON	220K	5%	1/4W
R610	1-247-887-00	CARBON	220K	5%	1/4W
R611	1-216-353-00	METAL OXIDE	2.2	5%	1W F
R612	1-247-887-00	CARBON	220K	5%	1/4W
R613	1-216-353-00	METAL OXIDE	2.2	5%	1W F
R614	1-247-887-00	CARBON	220K	5%	1/4W
R651	1-249-429-11	CARBON	10K	5%	1/4W
R653	1-249-377-11	CARBON	0.47	5%	1/4W F
R655	1-247-887-00	CARBON	220K	5%	1/4W
R656	1-260-288-11	CARBON	0.47	5%	1/2W
R657	1-249-429-11	CARBON	10K	5%	1/4W
R658	1-249-417-11	CARBON	1K	5%	1/4W
R660	1-249-413-11	CARBON	470	5%	1/4W
R661	1-249-417-11	CARBON	1K	5%	1/4W F
R662	1-249-425-11	CARBON	4.7K	5%	1/4W
R664	1-249-425-11	CARBON	4.7K	5%	1/4W
R665	1-247-807-31	CARBON	100	5%	1/4W
R667	1-249-417-11	CARBON	1K	5%	1/4W
R668	1-249-377-11	CARBON	0.47	5%	1/4W F
R669	1-249-429-11	CARBON	10K	5%	1/4W
R672	1-249-421-11	CARBON	2.2K	5%	1/4W
R673	1-249-413-11	CARBON	470	5%	1/4W
R675	1-215-417-00	METAL	680	1%	1/4W
R676	1-216-369-00	METAL OXIDE	1	5%	2W F
R677	1-247-807-31	CARBON	100	5%	1/4W
R679	1-249-421-11	CARBON	2.2K	5%	1/4W
R680	1-249-417-11	CARBON	1K	5%	1/4W
R681	1-249-417-11	CARBON	1K	5%	1/4W
R682	1-249-417-11	CARBON	1K	5%	1/4W
R683	1-249-417-11	CARBON	1K	5%	1/4W
R684	1-249-417-11	CARBON	1K	5%	1/4W
R686	1-215-421-00	METAL	1K	1%	1/4W
R687	1-215-441-00	METAL	6.8K	1%	1/4W
R688	1-215-481-00	METAL	330K	1%	1/4W
R689	1-249-425-11	CARBON	4.7K	5%	1/4W
R690	1-249-417-11	CARBON	1K	5%	1/4W
R692	1-249-425-11	CARBON	4.7K	5%	1/4W
R693	1-249-429-11	CARBON	10K	5%	1/4W
R695	1-247-807-31	CARBON	100	5%	1/4W
R696	1-249-417-11	CARBON	1K	5%	1/4W
R697	1-249-417-11	CARBON	1K	5%	1/4W
R801	1-249-437-11	CARBON	47K	5%	1/4W
R803	1-249-430-11	CARBON	12K	5%	1/4W
R804	1-249-429-11	CARBON	10K	5%	1/4W
R805	1-247-807-31	CARBON	100	5%	1/4W

REF. NO.	PART NO.	DESCRIPTION			REMARK
R806	1-249-429-11	CARBON	10K	5%	1/4W
R807	1-247-807-31	CARBON	100	5%	1/4W
R808	1-249-429-11	CARBON	10K	5%	1/4W
R809	1-249-425-11	CARBON	4.7K	5%	1/4W
R810	1-247-807-31	CARBON	100	5%	1/4W
R811	1-247-807-31	CARBON	100	5%	1/4W
R812	1-249-429-11	CARBON	10K	5%	1/4W
R813	1-249-429-11	CARBON	10K	5%	1/4W
R814	1-247-807-31	CARBON	100	5%	1/4W
R815	1-247-807-31	CARBON	100	5%	1/4W
R816	1-247-807-31	CARBON	100	5%	1/4W
R817	1-247-807-31	CARBON	100	5%	1/4W
R818	1-249-430-11	CARBON	12K	5%	1/4W
R820	1-249-429-11	CARBON	10K	5%	1/4W
R821	1-249-428-11	CARBON	8.2K	5%	1/4W
R822	1-249-417-11	CARBON	1K	5%	1/4W
R823	1-249-417-11	CARBON	1K	5%	1/4W
R824	1-215-462-00	METAL	51K	1%	1/4W
R825	1-249-441-11	CARBON	100K	5%	1/4W
R826	1-215-462-00	METAL	51K	1%	1/4W
R827	1-249-417-11	CARBON	1K	5%	1/4W
R828	1-249-426-11	CARBON	5.6K	5%	1/4W
R829	1-249-426-11	CARBON	5.6K	5%	1/4W
R830	1-249-414-11	CARBON	560	5%	1/4W
R831	1-249-414-11	CARBON	560	5%	1/4W
R832	1-249-441-11	CARBON	100K	5%	1/4W
R833	1-249-417-11	CARBON	1K	5%	1/4W
R834	1-249-441-11	CARBON	100K	5%	1/4W
R835	1-249-441-11	CARBON	100K	5%	1/4W
R836	1-247-807-31	CARBON	100	5%	1/4W
R837	1-249-441-11	CARBON	100K	5%	1/4W
R838	1-249-421-11	CARBON	2.2K	5%	1/4W
R841	1-247-815-91	CARBON	220	5%	1/4W
R842	1-247-807-31	CARBON	100	5%	1/4W
R843	1-247-807-31	CARBON	100	5%	1/4W
R844	1-247-807-31	CARBON	100	5%	1/4W
R845	1-249-441-11	CARBON	100K	5%	1/4W
R846	1-247-807-31	CARBON	100	5%	1/4W
R847	1-215-469-00	METAL	100K	1%	1/4W
R850	1-215-469-00	METAL	100K	1%	1/4W
R851	1-247-807-31	CARBON	100	5%	1/4W
R852	1-247-807-31	CARBON	100	5%	1/4W
R853	1-247-887-00	CARBON	220K	5%	1/4W
R854	1-249-429-11	CARBON	10K	5%	1/4W
R855	1-247-815-91	CARBON	220	5%	1/4W
R856	1-247-807-31	CARBON	100	5%	1/4W
R857	1-247-807-31	CARBON	100	5%	1/4W
R858	1-215-455-00	METAL	27K	1%	1/4W
R859	1-215-455-00	METAL	27K	1%	1/4W
R860	1-215-455-00	METAL	27K	1%	1/4W
R861	1-215-455-00	METAL	27K	1%	1/4W
R862	1-215-455-00	METAL	27K	1%	1/4W
R863	1-215-455-00	METAL	27K	1%	1/4W
R865	1-249-424-11	CARBON	3.9K	5%	1/4W
R867	1-215-461-00	METAL	47K	1%	1/4W
R868	1-215-445-00	METAL	10K	1%	1/4W
R869	1-247-863-11	CARBON	22K	5%	1/4W

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REF. NO.	PART NO.	DESCRIPTION			REMARK
R871	1-249-417-11	CARBON	1K	5%	1/4W
R872	1-247-863-11	CARBON	22K	5%	1/4W
R873	1-247-807-31	CARBON	100	5%	1/4W
R874	1-249-429-11	CARBON	10K	5%	1/4W
R875	1-249-441-11	CARBON	100K	5%	1/4W
R876	1-215-451-00	METAL	18K	1%	1/4W
R879	1-215-444-00	METAL	9.1K	1%	1/4W
R881	1-249-408-11	CARBON	180	5%	1/4W
R882	1-215-445-00	METAL	10K	1%	1/4W
R883	1-215-445-00	METAL	10K	1%	1/4W
R884	1-215-445-00	METAL	10K	1%	1/4W
R885	1-249-441-11	CARBON	100K	5%	1/4W
R886	1-249-428-11	CARBON	8.2K	5%	1/4W
R887	1-247-807-31	CARBON	100	5%	1/4W
R888	1-247-807-31	CARBON	100	5%	1/4W
R889	1-249-438-11	CARBON	56K	5%	1/4W
R890	1-249-441-11	CARBON	100K	5%	1/4W
R891	1-249-429-11	CARBON	10K	5%	1/4W
R892	1-215-445-00	METAL	10K	1%	1/4W
R895	1-249-421-11	CARBON	2.2K	5%	1/4W
R896	1-249-441-11	CARBON	100K	5%	1/4W
R897	1-247-807-31	CARBON	100	5%	1/4W
R898	1-247-815-91	CARBON	220	5%	1/4W
R899	1-247-815-91	CARBON	220	5%	1/4W
R901	1-249-430-11	CARBON	12K	5%	1/4W
R902	1-249-438-11	CARBON	56K	5%	1/4W
R903	1-215-421-00	METAL	1K	1%	1/4W
R904	1-214-800-11	METAL	2.2	1%	1/2W
R905	1-214-800-11	METAL	2.2	1%	1/2W
R906	1-214-800-11	METAL	2.2	1%	1/2W
R907	1-247-815-91	CARBON	220	5%	1/4W
R908	1-247-815-91	CARBON	220	5%	1/4W
R909	1-215-421-00	METAL	1K	1%	1/4W
R910	1-215-421-00	METAL	1K	1%	1/4W
R911	1-215-455-00	METAL	27K	1%	1/4W
R912	1-215-469-00	METAL	100K	1%	1/4W
R913	1-215-455-00	METAL	27K	1%	1/4W
R914	1-215-455-00	METAL	27K	1%	1/4W
R915	1-215-455-00	METAL	27K	1%	1/4W
R916	1-215-455-00	METAL	27K	1%	1/4W
R917	1-215-455-00	METAL	27K	1%	1/4W
R918	1-215-455-00	METAL	27K	1%	1/4W
R919	1-249-435-11	CARBON	33K	5%	1/4W
R920	1-214-800-11	METAL	2.2	1%	1/2W
R921	1-249-429-11	CARBON	10K	5%	1/4W
R922	1-215-445-00	METAL	10K	1%	1/4W
R923	1-247-863-91	CARBON	22K	5%	1/4W
R924	1-215-444-00	METAL	9.1K	1%	1/4W
R925	1-247-863-91	CARBON	22K	5%	1/4W
R926	1-249-408-11	CARBON	180	5%	1/4W
R927	1-215-445-00	METAL	10K	1%	1/4W
R928	1-215-445-00	METAL	10K	1%	1/4W
R929	1-214-800-11	METAL	2.2	1%	1/2W
R930	1-214-800-11	METAL	2.2	1%	1/2W
R931	1-215-445-00	METAL	10K	1%	1/4W
R933	1-215-453-00	METAL	22K	1%	1/4W
R934	1-249-429-11	CARBON	10K	5%	1/4W

REF. NO.	PART NO.	DESCRIPTION			REMARK
R935	1-249-429-11	CARBON	10K	5%	1/4W
R936	1-249-429-11	CARBON	10K	5%	1/4W
R937	1-249-435-11	CARBON	33K	5%	1/4W
R938	1-215-421-00	METAL	1K	1%	1/4W
R940	1-249-441-11	CARBON	100K	5%	1/4W
R941	1-249-441-11	CARBON	100K	5%	1/4W
R942	1-249-421-11	CARBON	2.2K	5%	1/4W
R943	1-249-441-11	CARBON	100K	5%	1/4W
R944	1-215-421-00	METAL	1K	1%	1/4W
R945	1-249-429-11	CARBON	10K	5%	1/4W
R946	1-215-421-00	METAL	1K	1%	1/4W
R947	1-249-441-11	CARBON	100K	5%	1/4W
R948	1-247-815-91	CARBON	220	5%	1/4W
R949	1-247-807-31	CARBON	100	5%	1/4W
R950	1-247-807-31	CARBON	100	5%	1/4W
R951	1-247-807-31	CARBON	100	5%	1/4W
R952	1-247-807-31	CARBON	100	5%	1/4W
R953	1-247-863-91	CARBON	22K	5%	1/4W
R954	1-215-433-00	METAL	3.3K	1%	1/4W
R955	1-215-433-00	METAL	3.3K	1%	1/4W
R956	1-249-429-11	CARBON	10K	5%	1/4W
R957	1-214-800-11	METAL	2.2	1%	1/2W
R958	1-214-800-11	METAL	2.2	1%	1/2W
R959	1-215-433-00	METAL	3.3K	1%	1/4W
R960	1-215-451-00	METAL	18K	1%	1/4W
R961	1-249-425-11	CARBON	4.7K	5%	1/4W
R962	1-214-800-11	METAL	2.2	1%	1/2W
R963	1-214-800-11	METAL	2.2	1%	1/2W
R964	1-215-433-00	METAL	3.3K	1%	1/4W
R965	1-215-433-00	METAL	3.3K	1%	1/4W
R966	1-247-815-91	CARBON	220	5%	1/4W
R967	1-215-455-00	METAL	27K	1%	1/4W
R968	1-215-455-00	METAL	27K	1%	1/4W
R969	1-215-455-00	METAL	27K	1%	1/4W
R970	1-215-455-00	METAL	27K	1%	1/4W
R971	1-215-455-00	METAL	27K	1%	1/4W
R972	1-215-455-00	METAL	27K	1%	1/4W
R973	1-214-800-11	METAL	2.2	1%	1/2W
R974	1-215-463-00	METAL	56K	1%	1/4W
R975	1-214-800-11	METAL	2.2	1%	1/2W
R976	1-215-433-00	METAL	3.3K	1%	1/4W
R977	1-247-815-91	CARBON	220	5%	1/4W
R978	1-215-445-00	METAL	10K	1%	1/4W
R979	1-249-425-11	CARBON	4.7K	5%	1/4W
R980	1-247-815-91	CARBON	220	5%	1/4W
R981	1-247-815-91	CARBON	220	5%	1/4W
R983	1-247-815-91	CARBON	220	5%	1/4W
R984	1-215-444-00	METAL	9.1K	1%	1/4W
R985	1-215-445-00	METAL	10K	1%	1/4W
R986	1-215-451-00	METAL	18K	1%	1/4W
R987	1-249-408-11	CARBON	180	5%	1/4W
R988	1-215-445-00	METAL	10K	1%	1/4W
R989	1-247-863-91	CARBON	22K	5%	1/4W
R990	1-249-429-11	CARBON	10K	5%	1/4W
R991	1-249-429-11	CARBON	10K	5%	1/4W
R993	1-247-863-91	CARBON	22K	5%	1/4W

G CR CG

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

REF. NO.	PART NO.	DESCRIPTION			REMARK
R996	1-247-815-91	CARBON	220	5%	1/4W
R997	1-215-445-00	METAL	10K	1%	1/4W
R998	1-249-434-11	CARBON	27K	5%	1/4W
R999	1-249-434-11	CARBON	27K	5%	1/4W
		<RELAY>			
RY601 ⚠	1-755-018-11	RELAY			
		<TRANSFORMER>			
T501 ⚠	1-437-195-11	TRANSFORMER, HORIZONTAL DRIVE			
T502 ⚠	1-431-896-11	TRANSFORMER, FERRITE (PMT)			
T503 ⚠	1-431-212-11	TRANSFORMER, HORIZONTAL LINEAR			
T504 ⚠	1-453-238-11	TRANSFORMER ASSY, FLYBACK (NX-4007//X4A4)			
T603 ⚠	1-423-665-11	TRANSFORMER, POWER			
T604 ⚠	1-429-992-11	TRANSFORMER, CONVERTER (PRT)			
T605 ⚠	1-429-985-11	TRANSFORMER, CONVERTER (PIT)			
**********					
*	A-1331-777-A	CR BOARD, COMPLETE **********			
		<CAPACITOR>			
C702	1-102-959-00	CERAMIC	22PF	5%	50V
C703	1-104-664-11	ELECT	47µF	20%	25V
C704	1-126-964-11	ELECT	10µF	20%	50V
C705	1-161-754-00	CERAMIC	0.001µF	10%	2KV
C706	1-126-934-11	ELECT	220µF	20%	16V
C707	1-107-504-11	CERAMIC	10PF	0.5PF	500V
C708	1-102-050-00	CERAMIC	0.01µF	99%	500V
C709	1-162-115-00	CERAMIC	330PF	10%	2KV
C712	1-107-662-11	ELECT	22µF	20%	250V
		<CONNECTOR>			
CN701	1-695-915-11	TAB (CONTACT)			
CN702 *	1-564-510-11	PLUG, CONNECTOR 7P			
CN703 *	1-564-512-11	PLUG, CONNECTOR 9P			
CN704 *	1-508-784-00	PIN, CONNECTOR (5MM PITCH) 1P			
CN705 ⚠	1-251-182-11	SOCKET, CRT			
CN706 *	1-564-512-11	PLUG, CONNECTOR 9P			
		<DIODE>			
D701	8-719-991-33	DIODE 1SS133T-77			
D702	8-719-991-33	DIODE 1SS133T-77			
D703	8-719-991-33	DIODE 1SS133T-77			
D704	8-719-991-33	DIODE 1SS133T-77			
D705	8-719-923-86	DIODE MTZJ-T-77-15			
D706	8-719-923-86	DIODE MTZJ-T-77-15			
D708	8-719-110-17	DIODE RD10ESB2			
D709	8-719-109-89	DIODE RD5.6ESB2			
D710	8-719-991-33	DIODE 1SS133T-77			
		<IC>			
IC701	8-759-434-39	IC TDA6106Q			
		<COIL>			
L701	1-410-682-31	INDUCTOR	470µH		
		<TRANSISTOR>			
Q701	8-729-119-76	TRANSISTOR 2SA1175-HFE			
Q702	8-729-119-76	TRANSISTOR 2SA1175-HFE			
		<RESISTOR>			
R701	1-219-743-11	CARBON	100	5%	1/2W
R702	1-215-425-00	METAL	1.5K	1%	1/4W
R703	1-215-437-00	METAL	4.7K	1%	1/4W
R704	1-260-132-11	CARBON	560K	5%	1/2W
R705	1-215-424-00	METAL	1.3K	1%	1/4W
R706	1-215-437-00	METAL	4.7K	1%	1/4W
R707	1-249-435-11	CARBON	33K	5%	1/4W
R708	1-215-428-00	METAL	2K	1%	1/4W
R709	1-260-101-11	CARBON	1.5K	5%	1/2W
R710	1-215-903-11	METAL OXIDE	68K	5%	2W F
R711	1-249-435-11	CARBON	33K	5%	1/4W
R712	1-247-807-31	CARBON	100	5%	1/4W
R713	1-249-437-11	CARBON	47K	5%	1/4W
R714	1-260-099-11	CARBON	1K	5%	1/2W
R715	1-260-133-11	CARBON	680K	5%	1/2W
R717	1-249-417-11	CARBON	1K	5%	1/4W
R718	1-247-807-31	CARBON	100	5%	1/4W
R719	1-260-087-11	CARBON	100	5%	1/2W
		<SPARK GAP>			
SG701	1-519-422-11	GAP, SPARK			
SG702	1-519-422-11	GAP, SPARK			
**********					
*	A-1331-778-A	CG BOARD, COMPLETE **********			
		<CAPACITOR>			
C732	1-102-963-00	CERAMIC	33PF	5%	50V
C733	1-161-754-00	CERAMIC	0.001µF	10%	2KV
C735	1-102-050-00	CERAMIC	0.01µF	99%	500V
C736	1-162-115-00	CERAMIC	330PF	10%	2KV
C737	1-107-662-11	ELECT	22µF	20%	250V

CG CB HA

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

REF. NO.		PART NO.	DESCRIPTION				REMARK
			<CONNECTOR>				
CN731		1-695-915-11	TAB (CONTACT)				
CN732	*	1-564-510-11	PLUG, CONNECTOR 7P				
CN733	*	1-564-507-11	PLUG, CONNECTOR 4P				
CN734	*	1-508-784-00	PIN, CONNECTOR (5MM PITCH) 1P				
CN735	⚠	1-251-182-11	SOCKET, CRT				
CN736	*	1-564-512-11	PLUG, CONNECTOR 9P				
CN737	*	1-564-512-11	PLUG, CONNECTOR 9P				
			<DIODE>				
D731		8-719-991-33	DIODE 1SS133T-77				
D732		8-719-991-33	DIODE 1SS133T-77				
D733		8-719-110-17	DIODE RD10ESB2				
			<IC>				
IC731		8-759-434-39	IC TDA6106Q				
			<COIL>				
L731		1-410-682-31	INDUCTOR	470µH			
			<RESISTOR>				
R731		1-219-743-11	CARBON	100	5%	1/2W	
R732		1-260-132-11	CARBON	560K	5%	1/2W	
R733		1-215-421-00	METAL	1K	1%	1/4W	
R735		1-249-441-11	CARBON	100K	5%	1/4W	
R736		1-215-430-00	METAL	2.4K	1%	1/4W	
R737		1-260-101-11	CARBON	1.5K	5%	1/2W	
R738		1-215-903-11	METAL OXIDE	68K	5%	2W	F
R739		1-260-133-11	CARBON	680K	5%	1/2W	
R740		1-260-099-11	CARBON	1K	5%	1/2W	
R741		1-215-435-00	METAL	3.9K	1%	1/4W	
R742		1-247-885-00	CARBON	180K	5%	1/4W	
R743		1-247-807-31	CARBON	100	5%	1/4W	
			<SPARK GAP>				
SG731		1-519-422-11	GAP, SPARK				
SG732		1-519-422-11	GAP, SPARK				
**********							
	*	A-1331-779-A	CB BOARD, COMPLETE				
			**********				
			<CAPACITOR>				
C762		1-102-963-00	CERAMIC	33PF	5%	50V	
C763		1-161-754-00	CERAMIC	0.001µF	10%	2KV	
C765		1-102-050-00	CERAMIC	0.01µF	99%	500V	
C766		1-162-115-00	CERAMIC	330PF	10%	2KV	
C767		1-107-662-11	ELECT	22µF	20%	250V	

REF. NO.		PART NO.	DESCRIPTION				REMARK
			<CONNECTOR>				
CN761		1-695-915-11	TAB (CONTACT)				
CN762	*	1-564-507-11	PLUG, CONNECTOR 4P				
CN763	*	1-508-784-00	PIN, CONNECTOR (5MM PITCH) 1P				
CN764	⚠	1-251-182-11	SOCKET, CRT				
CN765	*	1-564-512-11	PLUG, CONNECTOR 9P				
CN766		1-564-513-11	PLUG, CONNECTOR 10P				
			<DIODE>				
D761		8-719-991-33	DIODE 1SS133T-77				
D762		8-719-923-86	DIODE MTZJ-T-77-15				
D763		8-719-110-17	DIODE RD10ESB2				
D764		8-719-923-86	DIODE MTZJ-T-77-15				
			<IC>				
IC761		8-759-434-39	IC TDA6106Q				
			<COIL>				
L761		1-410-682-31	INDUCTOR	470µH			
			<RESISTOR>				
R761		1-219-743-11	CARBON	100	5%	1/2W	
R762		1-260-132-11	CARBON	560K	5%	1/2W	
R763		1-215-420-00	METAL	910	1%	1/4W	
R764		1-249-426-11	CARBON	5.6K	5%	1/4W	
R765		1-215-430-00	METAL	2.4K	1%	1/4W	
R766		1-260-101-11	CARBON	1.5K	5%	1/2W	
R767		1-215-903-11	METAL OXIDE	68K	5%	2W	F
R768		1-260-133-11	CARBON	680K	5%	1/2W	
R769		1-260-099-11	CARBON	1K	5%	1/2W	
R770		1-247-807-31	CARBON	100	5%	1/4W	
R771		1-260-087-11	CARBON	100	5%	1/2W	
			<SPARK GAP>				
SG761		1-519-422-11	GAP, SPARK				
SG762		1-519-422-11	GAP, SPARK				
**********							
	*	A-1372-441-A	HA BOARD, COMPLETE				
			**********				
	*	A-1372-474-A	HA MOUNT (VAR)				
			<CAPACITOR>				
C1301		1-130-495-00	FILM	0.1µF	5%	50V	
C1302		1-126-959-11	ELECT	0.47µF	20%	50V	
C1304		1-126-964-11	ELECT	10µF	20%	50V	
C1305		1-130-495-00	FILM	0.1µF	5%	50V	
C1306		1-126-964-11	ELECT	10µF	20%	50V	

REF. NO.	PART NO.	DESCRIPTION			REMARK
C1307	1-126-964-11	ELECT	10µF	20%	50V
		<CONNECTOR>			
CN1301	1-564-523-11	PLUG, CONNECTOR 8P			
CN1302 *	1-564-526-11	PLUG, CONNECTOR 11P			
CN1304 *	1-564-518-11	PLUG, CONNECTOR 3P			
		<DIODE>			
D1301	8-719-110-17	DIODE RD10ESB2			
D1302	8-719-110-17	DIODE RD10ESB2			
D1303	8-719-110-17	DIODE RD10ESB2			
D1304	8-719-053-43	DIODE SLR-325VCT31			
D1305	8-719-053-43	DIODE SLR-325VCT31			
D1306	8-719-110-17	DIODE RD10ESB2			
D1307	8-719-110-17	DIODE RD10ESB2			
D1308	8-719-110-17	DIODE RD10ESB2			
D1309	8-719-109-89	DIODE RD5.6ESB2			
		<IC>			
IC1301	8-742-088-10	HYB IC SBX1780-51(10)			
		<JACK>			
J1301	1-770-361-11	TERMINAL BLOCK, S			
		<RESISTOR>			
R1301	1-249-425-11	CARBON	4.7K	5%	1/4W
R1302	1-249-416-11	CARBON	820	5%	1/4W
R1303	1-249-417-11	CARBON	1K	5%	1/4W
R1304	1-249-425-11	CARBON	4.7K	5%	1/4W
R1305	1-247-815-91	CARBON	220	5%	1/4W
R1306	1-247-815-91	CARBON	220	5%	1/4W
R1307	1-249-420-11	CARBON	1.8K	5%	1/4W
R1308	1-247-895-91	CARBON	470K	5%	1/4W
R1309	1-247-895-91	CARBON	470K	5%	1/4W
R1310	1-249-429-11	CARBON	10K	5%	1/4W
R1311	1-247-804-11	CARBON	75	5%	1/4W
R1312	1-247-804-11	CARBON	75	5%	1/4W
R1314	1-247-807-31	CARBON	100	5%	1/4W
R1315	1-247-804-11	CARBON	75	5%	1/4W
		<SWITCH>			
S1301	1-572-198-11	SWITCH, KEYBOARD			
S1302	1-572-198-11	SWITCH, KEYBOARD			
S1303	1-572-198-11	SWITCH, KEYBOARD			
S1304	1-572-198-11	SWITCH, KEYBOARD			
S1305	1-572-198-11	SWITCH, KEYBOARD			
S1306	1-572-198-11	SWITCH, KEYBOARD			
S1307	1-572-198-11	SWITCH, KEYBOARD			

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REF. NO.	PART NO.	DESCRIPTION			REMARK
*	A-1390-826-A	Z BOARD, COMPLETE			
		**********			
	4-382-854-11	SCREW (M3X10), P, SW (+)			
		<CAPACITOR>			
C1433	1-106-343-00	MYLAR	0.001µF	10%	200V
C1434	1-106-383-00	MYLAR	0.047µF	10%	200V
C1435	1-107-667-11	ELECT	2.2µF	20%	160V
C1436	1-137-364-11	FILM	0.001µF	5%	50V
C1437	1-137-364-11	FILM	0.001µF	5%	50V
C1438	1-106-383-00	MYLAR	0.047µF	10%	200V
C1439	1-161-830-00	CERAMIC	0.0047µF		500V
C1440	1-126-933-11	ELECT	100µF	20%	16V
C1441	1-102-074-00	CERAMIC	0.001µF	10%	50V
C1443	1-126-935-11	ELECT	470µF	20%	16V
C1444	1-107-639-11	ELECT	47µF	20%	160V
C1445	1-126-933-11	ELECT	100µF	20%	16V
C1446	1-126-933-11	ELECT	100µF	20%	16V
		<CONNECTOR>			
CN1401 *	1-564-506-11	PLUG, CONNECTOR 3P			
CN1402	1-564-505-11	PLUG, CONNECTOR 2P			
CN1403 *	1-564-506-11	PLUG, CONNECTOR 3P			
CN1404 *	1-564-507-11	PLUG, CONNECTOR 4P			
CN1406 *	1-564-507-11	PLUG, CONNECTOR 4P			
CN1431 *	1-564-508-11	PLUG, CONNECTOR 5P			
CN1433 *	1-564-507-11	PLUG, CONNECTOR 4P			
CN1434 *	1-580-689-11	PIN, CONNECTOR (PC BOARD) 4P			
CN1461 *	1-564-506-11	PLUG, CONNECTOR 3P			
CN1462 *	1-564-507-11	PLUG, CONNECTOR 4P			
CN1463	1-564-505-11	PLUG, CONNECTOR 2P			
CN1464 *	1-564-507-11	PLUG, CONNECTOR 4P			
		<DIODE>			
D1431	8-719-110-88	DIODE RD39ESB2			
D1432	8-719-110-88	DIODE RD39ESB2			
D1433	8-719-991-33	DIODE 1SS133T-77			
		<CONNECTOR>			
DY1431	1-451-454-11	DEFLECTION YOKE			
		<COIL>			
L1431	1-410-478-11	INDUCTOR	47µH		
L1432	1-410-478-11	INDUCTOR	47µH		
		<TRANSISTOR>			
Q1431	8-729-017-06	TRANSISTOR 2SC4793			
Q1432	8-729-017-05	TRANSISTOR 2SA1837			
Q1433	8-729-119-76	TRANSISTOR 2SA1175-HFE			
Q1434	8-729-119-78	TRANSISTOR 2SC2785-HFE			
Q1435	8-729-119-78	TRANSISTOR 2SC2785-HFE			

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

REF. NO.	PART NO.	DESCRIPTION			REMARK
Q1436	8-729-119-78	TRANSISTOR 2SC2785-HFE			
		<RESISTOR>			
R1401	1-249-414-11	CARBON	560	5%	1/4W
R1402	1-249-414-11	CARBON	560	5%	1/4W
R1415	1-216-475-11	METAL OXIDE	120	5%	3W F
R1418	1-216-475-11	METAL OXIDE	120	5%	3W F
R1431	1-249-414-11	CARBON	560	5%	1/4W
R1432	1-249-414-11	CARBON	560	5%	1/4W
R1435	1-216-475-11	METAL OXIDE	120	5%	3W F
R1436	1-216-475-11	METAL OXIDE	120	5%	3W F
R1437	1-249-414-11	CARBON	560	5%	1/4W
R1438	1-249-432-11	CARBON	18K	5%	1/4W
R1439	1-249-432-11	CARBON	18K	5%	1/4W
R1440	1-249-414-11	CARBON	560	5%	1/4W F
R1441	1-249-417-11	CARBON	1K	5%	1/4W
R1442	1-249-408-11	CARBON	180	5%	1/4W
R1443	1-249-377-11	CARBON	0.47	5%	1/4W F
R1445	1-249-403-11	CARBON	68	5%	1/4W
R1448	1-249-416-11	CARBON	820	5%	1/4W
R1449	1-249-403-11	CARBON	68	5%	1/4W
R1450	1-249-417-11	CARBON	1K	5%	1/4W
R1451	1-249-411-11	CARBON	330	5%	1/4W
R1452	1-249-417-11	CARBON	1K	5%	1/4W
R1453	1-249-401-11	CARBON	47	5%	1/4W
R1454	1-260-311-11	CARBON	39	5%	1/2W
R1455	1-249-384-11	CARBON	1.8	5%	1/4W F
R1456	1-215-916-00	METAL OXIDE	680	5%	3W F
R1457	1-249-417-11	CARBON	1K	5%	1/4W F
R1458	1-249-384-11	CARBON	1.8	5%	1/4W F
R1459	1-249-400-11	CARBON	39	5%	1/4W F
R1460	1-215-916-00	METAL OXIDE	680	5%	3W F
R1461	1-249-414-11	CARBON	560	5%	1/4W
R1462	1-249-414-11	CARBON	560	5%	1/4W
R1464	1-249-417-11	CARBON	1K	5%	1/4W
R1465	1-216-475-11	METAL OXIDE	120	5%	3W F
R1466	1-216-475-11	METAL OXIDE	120	5%	3W F

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MISCELLANEOUS
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REF. NO.	PART NO.	DESCRIPTION	REMARK
⚠	1-223-925-11	RESISTOR ASSY (HIGH-VOLTAGE)	
⚠	1-451-454-11	DEFLECTION YOKE (G)	
⚠	1-451-455-31	DEFLECTION YOKE (R) (B)	
⚠	1-452-790-21	NECK ASSY	
	1-452-909-11	MAGNET ASSY, 4 POLE	
	1-505-378-11	SPEAKER (10CM)	
	1-556-945-21	CABLE, P-P	
*	1-557-056-31	CABLE, P-P	
⚠	1-769-837-11	CORD, POWER (WITH NOISE FILTER)	
	8-598-414-00	ANTENNA SWITCH AS-2F	
⚠	8-733-528-05	PICTURE TUBE 07MAC3 (B)	
			(GROUND SPRING)
⚠	8-733-537-05	PICTURE TUBE 07MXC2 (G)	
⚠	8-733-553-05	PICTURE TUBE 07MXC3 (R)	

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ACCESSORIES AND PACKING MATERIALS
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	3-862-541-41	MANUAL, INSTRUCTION
*	4-037-674-01	BOARD, TOP
*	4-041-423-01	SHEET, PROTECTION
*	4-041-425-01	BAG, PROTECTION
*	4-057-651-02	CUSHION (UPPER) (ASSY)
*	4-057-652-01	CUSHION (LOWER) (ASSY)
*	4-057-657-01	INDIVIDUAL CARTON
*	4-057-658-01	TRAY
*	4-057-659-01	BOARD, BOTTOM

REMOTE COMMANDER
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1-473-749-31	REMOTE COMMANDER (RM-Y136A)
4-978-977-01	POCKET, COVER (FOR RM-Y136A)

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