JVC

SERVICE MANUAL

AUDIO/VIDEO CONTROL RECEIVER

RX-8000VBK

Area Suffix

J ············· U.S.A.
C ··········· Canada
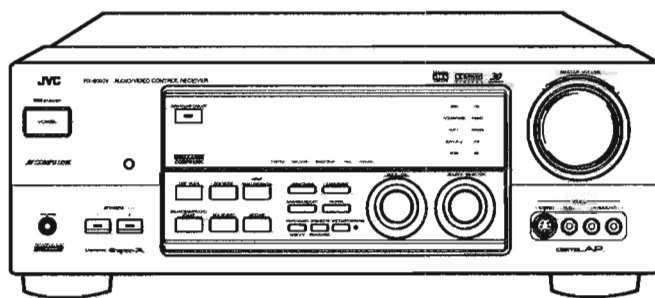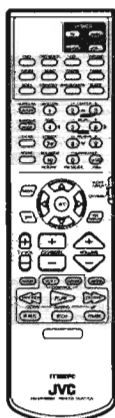
digital AP

Dynamic Super-A

TEXT COMPU LINK

AV COMPU LINK

COMPU LINK //// Remote ////

3D 3D-PHONIC

DIGITAL dts SURROUND

DOLBY DIGITAL

Contents

Safety precautions

1. This design of this product contains special hardware and many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Services should be performed by qualified personnel only.

2. Alterations of the design or circuitry of the product should not be made. Any design alterations of the product should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacture of responsibility for personal injury or property damage resulting therefrom.

3. Many electrical and mechanical parts in the products have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the Parts List of Service Manual. Electrical components having such features are identified by shading on the schematics and by (⚠) on the Parts List in the Service Manual. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement parts shown in the Parts List of Service Manual may create shock, fire, or other hazards.

4. The leads in the products are routed and dressed with ties, clamps, tubings, barriers and the like to be separated from live parts, high temperature parts, moving parts and/or sharp edges for the prevention of electric shock and fire hazard. When service is required, the original lead routing and dress should be observed, and it should be confirmed that they have been returned to normal, after re-assembling.

5. Leakage currnet check (Electrical shock hazard testing)
   After re-assembling the product, always perform an isolation check on the exposed metal parts of the product (antenna terminals, knobs, metal cabinet, screw heads, headphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock.
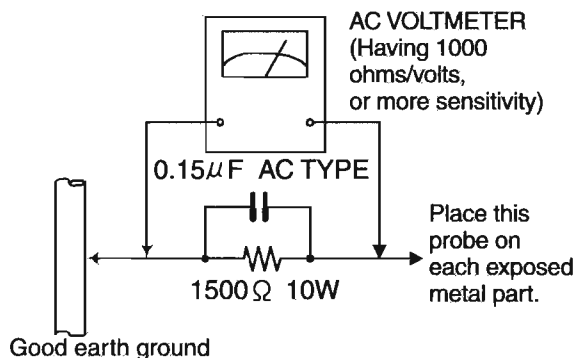   Do not use a line isolation transformer during this check.

   ● Plug the AC line cord directly into the AC outlet. Using a "Leakage Current Tester", measure the leakage current from each exposed metal parts of the cabinet , particularly any exposed metal part having a return path to the chassis, to a known good earth ground. Any leakage current must not exceed 0.5mA AC (r.m.s.)

   ● Alternate check method
   Plug the AC line cord directly into the AC outlet. Use an AC voltmeter having, 1,000 ohms per volt or more sensitivity in the following manner. Connect a 1,500Ω 10W resistor paralleled by a 0.15μF AC-type capacitor between an exposed metal part and a known good earth ground.
   Measure the AC voltage across the resistor with the AC voltmeter.
   Move the resistor connection to eachexposed metal part, particularly any exposed metal part having a return path to the chassis, and meausre the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. voltage measured Any must not exceed 0.75 V AC (r.m.s.). This corresponds to 0.5 mA AC (r.m.s.).

   AC VOLTMETER (Having 1000 ohms/volts, or more sensitivity)

   0.15μF AC TYPE

   Place this probe on each exposed metal part.

   1500Ω 10W

   Good earth ground

Warning

1. This equipment has been designed and manufactured to meet international safety standards.
2. It is the legal responsibility of the repairer to ensure that these safety standards are maintained.
3. Repairs must be made in accordance with the relevant safety standards.
4. It is essential that safety critical components are replaced by approved parts.
5. If mains voltage selector is provided, check setting for local voltage.

⚠ **CAUTION** Burrs formed during molding may be left over on some parts of the chassis. Therefore, pay attention to such burrs in the case of preforming repair of this system.
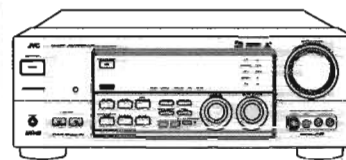
Instructions

JVC

AUDIO/VIDEO CONTROL RECEIVER

RX-8000VBK

JVC
VICTOR COMPANY OF JAPAN, LIMITED

digital **AP**

Dynamic **Super-A**

TEXT
COMPU LINK

AV COMPU LINK

COMPU LINK
III Remote III

3D
3D-PHONIC

DIGITAL
dts
SURROUND

DOLBY
DIGITAL

INSTRUCTIONS

For Customer Use:
Enter below the Model No. and Serial No. which are located either on the rear, bottom or side of the cabinet. Retain this information for future reference.

Model No.

Serial No.

LVT0427-001A
[J]

EN

O100HIMMIDWJEIN

Warnings, Cautions and Others

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK.
DO NOT REMOVE COVER (OR BACK)
NO USER-SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

The lightning flash with arrowhead symbol, within an equilateral triangle is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

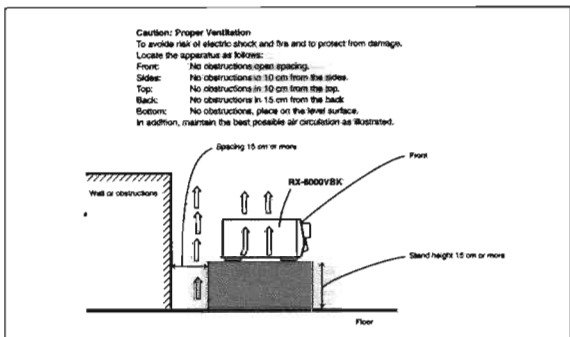**WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.**

CAUTION
To reduce the risk of electrical shocks, fire, etc.:
1. Do not remove screws, covers or cabinet.
2. Do not expose this appliance to rain or moisture.

Caution — POWER switch!
Disconnect the mains plug to shut the power off completely. The POWER switch in any position does not disconnect the mains line. The power can be remote controlled.

Caution — SPEAKER LOAD SELECTOR switch!
Match the position of SPEAKER LOAD SELECTOR switch on the back panel to the impedance of the speaker connected, to protect from overheating.

For U.S.A.
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.
This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: Proper Ventilation
To avoid risk of electric shock and fire and to protect from damage. Locate the apparatus as follows:
Front: No obstructions open spacing.
Sides: No obstructions in 10 cm from the sides.
Top: No obstructions in 10 cm from the top.
Back: No obstructions in 15 cm from the back.
Bottom: No obstructions, place on the level surface.
In addition, maintain the best possible air circulation as illustrated.

Wall or obstructions

Spacing 15 cm or more

Front

RX-8000VBK

Stand height 15 cm or more

Floor

Table of Contents

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RX-8000VBK

Parts Identification

Become familiar with the buttons and controls on the receiver before use.
Refer to the pages in parentheses for details.
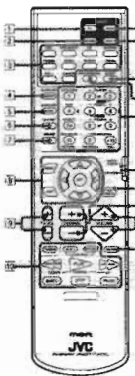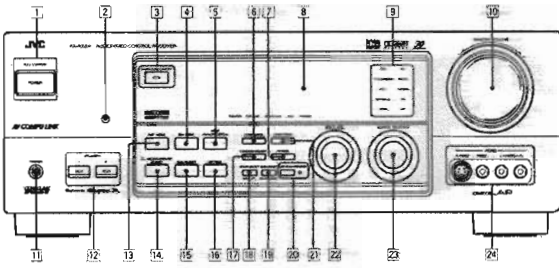
Remote Control

TV POWER button (48, 49)
CATV/DBS POWER button (50)
Source selecting buttons (10)
DVD, DVD MULTI, CD, TAPE/MD, TV/DBS,
VIDEO, PHONO, FM/AM, VCR 1, CD&VCR 2
SURROUND ON/OFF button (26, 29)
SURROUND MODE button (25)
CD-DISC button (47)
SOUND button (21, 25, 32)
On-screen operation buttons (33, 40)
MENU, SET, EXIT, △, ▽, ◁, ▷
TV VOL +/– buttons (48, 49)
Operating buttons for audio/video components
(46 – 48, 51)
AUDIO POWER buttons (10)
VCR 1 POWER button (48, 51)
SLEEP button (18)
ANALOG/DIGITAL button (17)
• 10 keys for selecting preset channels (20)
• 10 keys for adjusting sound (21, 25 – 28, 32)
• 10 keys for operating audio/video components
(46 – 51)
Remote control mode selector (10, 46, 49)
TEXT DISPLAY button (40)
CHANNEL +/– buttons (48 – 51)
VOLUME +/– buttons (11)
MUTING button (12)

Front Panel

POWER button and STANDBY lamp (10)
Remote sensor (9)
SURROUND ON/OFF button and lamp (27, 29)
SEA MODE button (21)
INPUT ANALOG/DIGITAL button (17)
FM/AM TUNING button (19) *
FM MODE button (20)
Display (16)
Source lamp (10)
MASTER VOLUME control (11)
PHONES jack (12)
SPEAKERS 1/2 buttons and lamps (11)
DSP MODE button (23)
BALANCE/SURROUND ADJUST button
(12, 13, 29) *
SEA ADJUST button (21) *
SETTING button (14 – 17) *
TUNER/SEA MEMORY button (19 – 21)
SOUND SELECT/INPUT ATT. button
(11, 12) *
BASS BOOST/SOURCE NAME button
(12, 13)
ONE TOUCH OPERATION button and lamp
(18)
TUNER PRESET button (20) *
MULTI JOG control
What this control actually does depends on
which function you are trying to adjust. Before
using this control, select the function by pressing
one of the buttons marked with *.
SOURCE SELECTOR control (10)
VIDEO input jacks (12)

Getting Started

This section explains how to connect audio/video components and speakers to the receiver, and how to connect the power supply.

Before Installation

General
• Be sure your hands are dry.
• Turn the power off to all components.
• Read the manuals supplied with the components you are going to connect.

Locations
• Install the receiver in a location that is level and protected from moisture.
• The temperature around the receiver must be between –5°C and 35°C (23°F and 95°F).
• Make sure there is good ventilation around the receiver. Poor ventilation could cause overheating and damage the receiver.

Handling the receiver
• Do not insert any metal object into the receiver.
• Do not disassemble the receiver or remove screws, covers, or cabinet.
• Do not expose the receiver to rain or moisture.

Checking the Supplied Accessories

Check to be sure you have all of the following items, which are supplied with the receiver.
The number in the parentheses indicates quantity of the pieces supplied.

• Remote Control (1)
• Batteries (2)
• AM Loop Antenna (1)
• FM Antenna (1)

If anything is missing, contact your dealer immediately.

Connecting the FM and AM Antennas

FM Antenna Connections
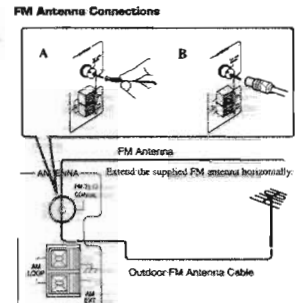
A. Using the Supplied FM Antenna
The FM antenna provided can be connected to the FM 75Ω COAXIAL terminal as temporary measure.

B. Using the Standard Type Connector (Not Supplied)
A standard type connector should be connected to the FM 75Ω COAXIAL terminal.

Note:
If reception is poor, connect the outdoor antenna.
Before attaching a 75Ω coaxial cable (the kind with a round wire going to an outdoor antenna), disconnect the supplied FM antenna.

AM Antenna Connections
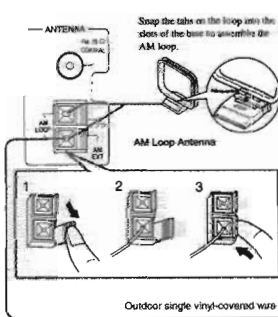
Turn the loop until you have the best reception.

Notes:
• Make sure the antenna conductors do not touch any other terminals, connecting cords and power cord. This could cause poor reception.
• If reception is poor, connect an outdoor single vinyl-covered wire to the AM EXT terminal. (Keep the AM loop antenna connected.)

Connecting the Speakers

You can connect the following speakers:
• Two pairs of front speakers to produce normal stereo sound.
• One pair of rear speakers to enjoy the surround effect.
• One center speaker to produce more effective surround effect (to emphasize human voices).
• One subwoofer to enhance the bass.

IMPORTANT:
After connecting the speakers listed above, set the speaker setting information properly to obtain the best possible DSP effect. For details, see page 14.

For each speaker (except for a subwoofer), connect the (–) and (+) terminals on the rear panel to the (–) and (+) terminals marked on the speakers. For connecting a subwoofer, see page 5.

CAUTION:
Use speakers with the SPEAKER IMPEDANCE indicated by the speaker terminals.

Basic connecting procedure

1 Cut, twist and remove the insulation at the end of each speaker signal cable (not supplied).
2 Turn the knob counterclockwise.
3 Insert the speaker signal cable.
4 Turn the knob clockwise.
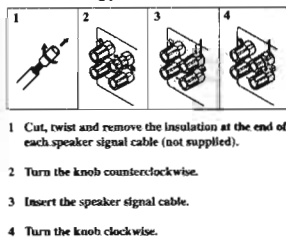
Connecting the front speakers

You can connect two pairs of front speakers (one pair to the FRONT SPEAKERS 1 terminals, and another pair to the FRONT SPEAKERS 2 terminals).

Right speaker —— FRONT SPEAKERS 1 —— Left speaker

Right speaker —— FRONT SPEAKERS 2 —— Left speaker
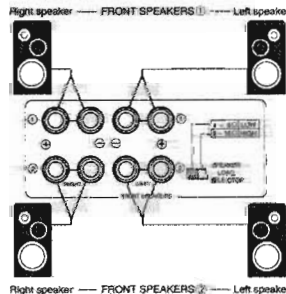
IMPORTANT:
To obtain the best possible output power from the receiver, and to prevent the receiver from being overloaded, this receiver has the SPEAKERLOAD SELECTOR which has to be set as follows:
• Set it to the HIGH position when the impedance of the front speakers connected is within the range of 8 ohms to 16 ohms.
• Set it to the LOW position when the impedance of the front speakers connected is within the range of 4 ohms to 8 ohms.

Connecting the rear and center speakers

Connect rear speakers to the REAR SPEAKERS terminals and a center speaker to the CENTER SPEAKER terminals.

Center speaker
Left rear speaker
Right rear speaker
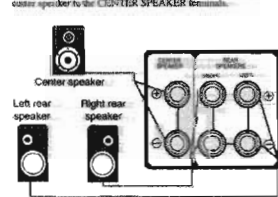
Connecting the subwoofer speaker

You can enhance the bass by connecting a subwoofer. Connect the input jack of a powered subwoofer to the SUBWOOFER OUT jack on the rear panel, using a cable with RCA pin plugs (not supplied).

Powered subwoofer

Connecting Audio/Video Components

You can connect the following audio/video components to this receiver. Refer also to the manuals supplied with your components.

Audio Components	Video Components
• Turntable	• DVD player*
• CD player*	• TV*
• Cassette deck or MD recorder*	• DBS tuner*
• CD recorder*	• VCR(s)
	• Video camera

* You can connect these components using the methods described in "Analog connections" (to the right) or in "Digital connections" (see page 9).

Analog connections

Audio component connections
Use the cables with RCA pin plugs (not supplied).
Connect the white plug to the audio left jack, and the red plug to the audio right jack.

CAUTION:
If you connect a sound-enhancing device such as a graphic equalizer between the source components and this receiver, the sound output through this receiver may be distorted.

Turntable

If an earth cable is provided for your turntable, connect the cable to the screw marked (⏚) on the rear panel.

Turntable
To audio output
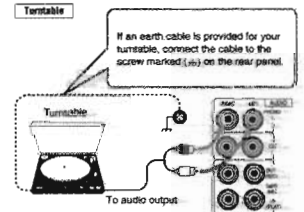
Note:
Any turntable incorporating a small-output cartridge such as an MC (moving-coil) type must be connected to this receiver through a commercial head amplifier or step-up transformer. Direct connection may result in insufficient volume.

CD player

CD player
To audio output

Cassette deck or MD recorder

Cassette deck

To audio input   To audio output

MD recorder

To audio input   To audio output

Note:
You can connect either a cassette deck or an MD recorder to the TAPE/MD jacks. When connecting an MD recorder to the TAPE/MD jacks, change the source name, which will be shown on the display when selected as the source, to "MD." See page 13 for details.

CD recorder

CD recorder

To audio input   To audio output
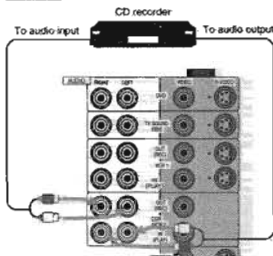
If your audio components have a COMPU LINK or TEXT COMPU LINK jack
- See also page 38 for detailed information about the connection and the COMPU LINK remote control system.
- See also page 39 for detailed information about the connection and the TEXT COMPU LINK remote control system.

Video component connections

Use the cables with RCA pin plugs (not supplied).
Connect the white plug to the audio left jack, the red plug to the audio right jack, and the yellow plug to the video jack.
If your video components have S-video (Y/C-separation) terminals, connect them using S-video cables (not supplied). Connecting these video components through the S-video input/output terminals will give you better picture playback (or recording) quality.

IMPORTANT:

This receiver is equipped with both the composite video and S-video input/output terminals for connecting video components.
You do not have to connect both the composite video and S-video terminals.

However, remember that the video signals from the composite video input terminals are output only through the composite video output terminals, while the ones from the S-video input terminals are output only through the S-video output terminals.
Therefore, if a recording video component and a playing video component are connected to the receiver through the different video terminals, you cannot record the picture from the playing component on the recording component. In addition, if the TV and a playing video component are connected to the receiver through the different video terminals, you cannot view the playback picture from the playing component on the TV.

To view and record the playback picture from the video component connected to the CDR/VCR 2 jacks, you must connect the TV and the recording video component through the composite video terminals.

VCR

S-VHS (or VHS) VCR

VHS VCR
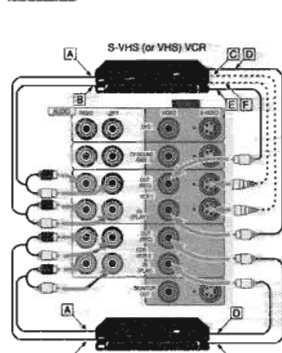
A To left/right channel audio output
B To left/right channel audio input
C To S-video output
D To composite video output
E To composite video input
F To S-video input

Video camera

The VIDEO input jacks on the front panel are convenient when connecting and disconnecting the equipment frequently.

To audio output
To S-video output
To composite video output
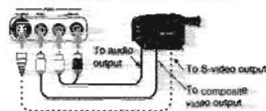
TV and/or DBS tuner

When connecting the TV, DO NOT connect the TV's video output to these video input terminals.

To audio output

TV

Connect the TV to the MONITOR OUT jack to view the playback picture from the other connected video components.

To composite video input
To S-video input

To audio output

DBS tuner

To composite video output
To S-video output
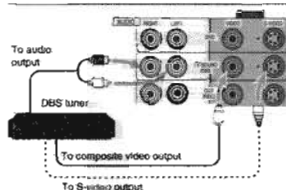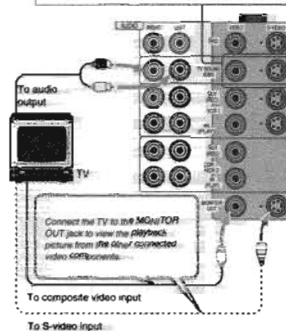
Note:
When connecting the DBS tuner to the TV SOUND/DBS jacks, change the source name, which will be shown on the display when selected as the source, to "DBS." See page 13 for details.

DVD player

- When you connect the DVD player with stereo output jacks:
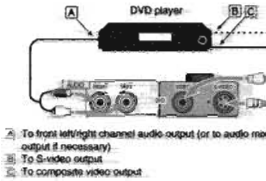
DVD player

A To front left/right channel audio output (or to audio mixed output if necessary)
B To S-video output
C To composite video output

- When you connect the DVD player with analog discrete output (5.1 CH reproduction) jacks:

DVD player
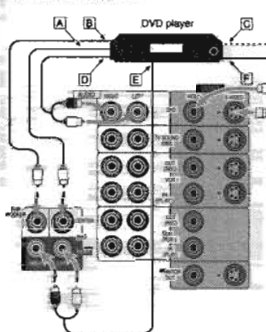
A To center channel audio output
B To subwoofer audio output
C To S-video output
D To front left/right channel audio output
E To rear left/right channel audio output
F To composite video output

Digital connections

This receiver is equipped with four DIGITAL IN terminals — one digital coaxial terminal and three digital optical terminals, and one DIGITAL OUT terminal.
You can connect any digital equipment such as —
- DBS tuner;
- Digital TV broadcast tuner;
- DVD player;
- CD player;
- CD recorder; and
- MD recorder.

IMPORTANT:
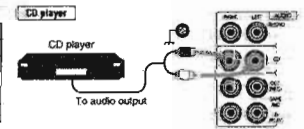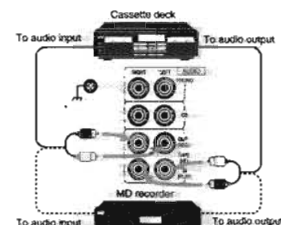- When connecting the DVD player, digital TV broadcast tuner or DBS tuner using the digital terminals, you also need to connect it to the video jack (either composite video terminal or S-video terminal) on the rear. Without connecting it to the video jack, you can view no playback picture.
- After connecting the components using the DIGITAL IN terminals, set the following correctly if necessary.
  - Set the digital input (DIGITAL IN) terminal setting correctly. For details, see "Digital Input (DIGITAL IN) Terminal Setting" on page 16.
  - Select the digital input mode correctly. For details, see "Selecting the Analog or Digital Input Mode" on page 16.

Digital input terminals

DBS tuner   DVD player

CD player

CD recorder   MD recorder

Digital coaxial cable (not supplied) between digital coaxial terminals

Digital optical cable (not supplied) between digital optical terminals
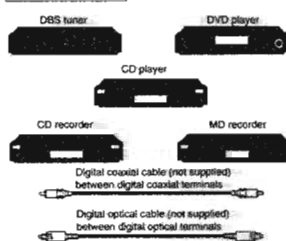
When the component has a digital coaxial output terminal, connect it to the DIGITAL 1 (DVD) terminal, using the digital coaxial cable (not supplied).

When the component has a digital optical output terminal, connect it to the DIGITAL 2 (CD), DIGITAL 3 (TV) or DIGITAL 4 (CDR) terminal, using the digital optical cable (not supplied).

Before connecting a digital optical cable, unplug the protective plug.

Notes:
- When shipped from the factory, the DIGITAL IN terminals have been set for use with the following components.
  - DIGITAL 1 (coaxial): For DVD player
  - DIGITAL 2 (optical): For CD player
  - DIGITAL 3 (optical): For digital TV broadcast tuner
  - DIGITAL 4 (optical): For CD recorder
- When you want to operate the CD player, CD recorder, or MD recorder using the COMPU LINK remote control system, connect the target component also as described in "Analog connections" (see pages 5 and 6).
- When you want to operate the DVD player using the AV COMPU LINK remote control system, connect the DVD player also as described in "Analog connections" (see page 7).

Digital output terminal

CD recorder   MD recorder

Digital optical cable (not supplied) between digital optical terminals
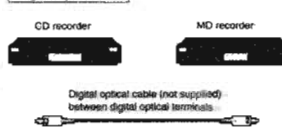
When the digital recording equipment such as an MD recorder has a digital optical input terminal, connecting it to the DIGITAL OUT terminal enables you to perform digital-to-digital recording.

Connecting the Power Cord

Before plugging the receiver into an AC outlet, make sure that all connections have been made.

Plug the power cord into an AC outlet.

Keep the power cord away from the connecting cables and the antenna. The power cord may cause noise or screen interference. We recommend that you use a coaxial cable to connect the antenna, since it is well-shielded against interference.

Note:
The preset settings such as preset channels and sound adjustment may be erased in a few days in the following cases:
- When you unplug the power cord.
- When a power failure occurs.

CAUTIONS:
- Do not touch the power cord with wet hands.
- Do not pull on the power cord to unplug the cord. When unplugging the cord, always grasp the plug so as not to damage the cord.

Putting Batteries in the Remote Control

Before using the remote control, put two supplied batteries first.
When using the remote control, aim the remote control directly at the remote sensor on the receiver.

1

2

R6P(SUM-3)/AA(15F)

3
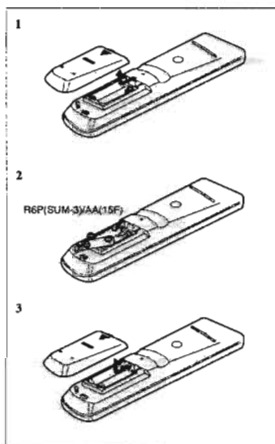
1. On the back of the remote control, remove the battery cover.

2. Insert batteries. Make sure to match the polarity: (+) to (+).

3. Replace the cover.

If the range or effectiveness of the remote control decreases, replace the batteries. Use two R6P(SUM-3)/AA(15F) type dry-cell batteries.

CAUTION:
Follow these precautions to avoid leaking or cracking cells.
- Place batteries in the remote control so they match the polarity (+) to (+).
- Use the correct type of batteries. Batteries that look similar may differ in voltage.
- Always replace both batteries at the same time.
- Do not expose batteries to heat or flame.

6   7   8   9

1-5

RX-8000VBK

▇ Basic Operations

The following operations are commonly used when you play any sound source.

IMPORTANT:

When using the remote control, check to see if its remote control mode selector is set to the correct position.
To operate this receiver, set it to "AUDIO/TV/VCR."

From the remote control:

Press one of the source selecting buttons.

Turning the Power On and Off (Standby)

On the front panel:

To turn on the power, press POWER
The STANDBY lamp goes off. The name of the current source (or station frequency) appears on the display.

Current source name appears

Current volume level is shown here

To turn off the power (into standby mode), press POWER again.
The STANDBY lamp lights up. A small amount of power is consumed in standby mode. To turn the power off completely, unplug the AC power cord.

From the remote control:

To turn on the power, press AUDIO POWER.
The STANDBY lamp goes off. The name of the current source (or station frequency) appears on the display.

To turn off the power (into standby mode), press AUDIO POWER again. The STANDBY lamp lights up.

Selected source name appears

DVD	DVD MULTI	CD	TAPE/MD
TV-DBS	VIDEO	PHONO	FM/AM
VCR 1	CDR/VCR 2		
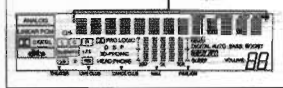
DVD — Select the DVD player.
DVD MULTI — Select the DVD player for viewing the digital video disc using the analog discrete output mode (5.1CH reproduction) on the DVD player.
To enjoy the DVD MULTI playback, see page 31.
CD * — Select the CD player.
TAPE/MD * — Select the cassette deck (or the MD recorder).
TV/DBS — Select TV sounds (or the DBS tuner).
VIDEO — Select video component connected to the VIDEO jacks.
PHONO * — Select the turntable.
FM/AM * — Select an FM or AM broadcast.
• Each time you press the button, the band alternates between FM and AM.
VCR 1 — Select the video component connected to the VCR 1 jacks.
CDR/VCR 2 * — Select the CD recorder or video component connected to the CDR/VCR 2 jacks.

Selecting the Source to Play

On the front panel:

Turn SOURCE SELECTOR until the source name you want appears on the display.
• As you turn the selector, the source changes as follows:

CD ⇄ PHONO ⇄ TAPE (or MD) ⇄ FM ⇄
AM ⇄ DVD ⇄ DVD MULTI ⇄
TV SOUND (or DBS) ⇄ VCR 1 ⇄
CDR/VCR 2 ⇄ VIDEO ⇄
(back to the beginning)

The selected source lamp also lights up.
• The DVD lamp lights up both for "DVD" and "DVD MULTI."

Notes:

Signal and speaker indicators on the display

• The signal indicators light up to indicate the incoming channel signals.

L	C	R
SUBWFR		LFE
LS	S	RS

Adjusting the Volume

On the front panel:

To increase the volume, turn MASTER VOLUME clockwise.
To decrease the volume, turn it counterclockwise.

From the remote control:

To increase the volume, press VOLUME +.
To decrease the volume, press VOLUME –.

CAUTION:

Always set the volume to the minimum before starting any source. If the volume is set at its high level, the sudden blast of sound energy can permanently damage your hearing and/or ruin your speakers.

Selecting the Front Speakers

On the front panel ONLY:

When you have connected two pairs of the front speakers, you can select which to use.

IMPORTANT:

▇ Basic Settings

IMPORTANT:

Recording a Source

For analog-to-analog recording

For digital-to-digital recording

Adjusting the Front Speaker Output Balance

Changing the Source Name

On the front panel ONLY:

Listening only with headphones

Attenuating the Input Signal

Adjusting the Subwoofer Output Level

Muting the Sound

Reinforcing the Bass

Setting the Subwoofer Information

Register whether or not you have connected a subwoofer.

Before you start, remember...
- There is a time limit in doing the following steps. If the setting is canceled before you finish, start from step 1 again.

On the front panel:
1. Press SETTING repeatedly until "SUBWOOFER" appears on the display.
   The display changes to show the current setting.

2. Turn MULTI JOG to register whether you have connected a subwoofer or not.
   - As you turn it, the subwoofer setting alternates between "YES" and "NO."

| YES: | Select this when a subwoofer is used. SUBWFR lights up on the display (see page 11). |
| NO: | Select this when no subwoofer is used. |

Setting the Speakers for the DSP Modes

To obtain the best possible surround sound of the DSP modes, you have to register the information about the speaker arrangement after all connections are completed.

Before you start, remember...
- There is a time limit in doing the following steps. If the setting is canceled before you finish, start from step 1 again.

Front, Center, and Rear Speaker Setting

Register the sizes of all the connected speakers.
- When you change your speakers, you need to register the information about the speakers again.

On the front panel ONLY:
1. Press SETTING repeatedly until "FRONT SPK" (Front Speaker), "CENTER SPK" (Center Speaker) or "REAR SPK" (Rear Speaker) appears on the display.
   The display changes to show the current setting.

2. Turn MULTI JOG to select the appropriate item about the speaker selected in the above step.
   - As you turn it, the display changes to show the following:

   LARGE — SMALL — NONE

LARGE:	Select this when the speaker size is relatively large.
SMALL:	Select this when the speaker size is relatively small.
NONE:	Select this when you have not connected a speaker. (Not selectable for the front speakers)

3. Repeat steps 1 and 2 to select the appropriate items for the other speakers.

Notes:
- Keep the following comment in mind as reference when adjusting.
  - If the size of the cone speaker unit built in your speaker is greater than 4 ¾ inches (12 cm), select "LARGE," and if it is smaller than 4 ¾ inches (12 cm), select "SMALL."
- If you have selected "NO" for the subwoofer setting, you cannot select "LARGE" for the front speaker setting.
- If you have selected "SMALL" for the front speaker setting, you cannot select "LARGE" for the center and rear speaker settings.

Center Delay Time Setting

Register the delay time of the sound from the center speaker, comparing to that of the sound from the front speakers.
If the distance from your listening point to the center speaker is equal to that to the front speakers, select 0 msec. As the distance to the center speaker becomes shorter, increase the delay time.
- 1 msec increase (or decrease) in delay time corresponds to 11 ¾ inches (30 cm) decrease (or increase) in distance.
- When shipped from the factory, delay time is set to 0 msec.

On the front panel ONLY:
1. Press SETTING repeatedly until "CENTER DELAY" appears on the display.
   The display changes to show the current setting.

2. Turn MULTI JOG to select the delay time of the center speaker output.
   - Turn it clockwise to increase the delay time from 0 msec ("C. DELAY: 0ms") to 5 msec ("C. DELAY: 5ms").
   - Turn it counterclockwise to decrease the delay time from 5 msec ("C. DELAY: 5ms") to 0 msec ("C. DELAY: 0ms").

Notes:
- Center delay time setting is not valid for the DVD MULTI playback mode.
- You cannot adjust the center delay time when you have set "CENTER SPK" to "NONE."

Rear Delay Time Setting

Register the delay time of the sound from the rear speakers, comparing to that of the sound from the front speakers.
If the distance from your listening point to the rear speakers is equal to that to the front speakers, select 0 msec. As the distance to the rear speakers becomes shorter, increase the delay time.
- 1 msec increase (or decrease) in delay time corresponds to 11 ¾ inches (30 cm) decrease (or increase) in distance.
- Rear delay time for Dolby Digital and DTS Digital Surround is to be set to 5 msec.
- When shipped from the factory, delay time is set to 5 msec.

On the front panel ONLY:
1. Press SETTING repeatedly until "REAR DELAY" appears on the display.
   The display changes to show the current setting.

2. Turn MULTI JOG to select the delay time of the rear speaker output.
   - Turn it clockwise to increase the delay time from 0 msec ("R. DELAY: 0ms") to 15 msec ("R. DELAY: 15ms").
   - Turn it counterclockwise to decrease the delay time from 15 ("R. DELAY: 15ms") to 0 msec ("R. DELAY: 0ms").

Notes:
- Rear delay time setting is not valid for the DVD MULTI playback mode.
- You cannot adjust the rear delay time when you have set "REAR SPK" to "NONE."

Crossover Frequency Setting

Small speakers cannot reproduce the bass sound very well. So, if you have used a small speaker for any of the front, center, and rear channels, this receiver automatically reallocate the bass elements, originally assigned to the channel for which you have connected the small speaker, to another channel (for which you have connected the large speaker).
To use this function properly, you need to set the crossover frequency level according to the size of the small speaker connected.
- If you have selected "LARGE" for all speakers (see page 14), this function is set to "OFF" and cannot be adjusted.

On the front panel ONLY:
1. Press SETTING repeatedly until "CROSSOVER FRQ" (Crossover Frequency) appears on the display.
   The display changes to show the current setting.

2. Turn MULTI JOG to select the crossover frequency level according to the size of the small speaker connected.
   - As you turn it, the display changes to show the following:

   80Hz — 100Hz — 120Hz

   - Use the following comments as reference when adjusting.

80Hz:	Select this when the cone speaker unit built in the speaker is about 4 ¾ inches (12 cm).
100Hz:	Select this when the cone speaker unit built in the speaker is about 3 ¹⁵/₁₆ inches (10 cm).
120Hz:	Select this when the cone speaker unit built in the speaker is about 3 ¹⁵/₁₆ inches (10 cm).

Note:
Crossover frequency setting is not valid for the DVD MULTI playback mode, SURROUND mode, and HEADPHONE mode.

Low Frequency Effect Attenuator Setting

If the bass sound is distorted while playing back a source using Dolby Digital or DTS Digital Surround, follow the procedure below.

On the front panel ONLY:
1. Press SETTING repeatedly until "LFE ATT" (Low Frequency Effect Attenuator) appears on the display.
   The display changes to show the current setting.

2. Turn MULTI JOG to select the low frequency effect attenuator level.
   - As you turn it, the display changes to show the following:

   0dB — 10dB

| 0dB: | Normally select this. |
| 10dB: | Select this when the bass sound is distorted. |

Note:
Low frequency effect attenuator setting is not valid for the DVD MULTI playback mode.

Dynamic Range Compression Setting

You can compress the dynamic range (difference between maximum sound and minimum sound) of the reproduced sound. This is useful when enjoying surround sound at night.
- This function takes effect only when playing back a source using Dolby Digital.

On the front panel ONLY:
1. Press SETTING repeatedly until "D. RANGE COMP" (Dynamic Range Compression) appears on the display.
   The display changes to show the current setting.

2. Turn MULTI JOG to select the appropriate item about the compression level.
   - As you turn it, the display changes to show the following:

   OFF — MID — MAX

OFF:	Select this when you want to enjoy surround sound with its full dynamic range. (No effect applied.)
MID:	Select this when you want to reduce the dynamic range a little. (Factory setting.)
MAX:	Select this when you want to apply the compression effect fully. (Useful at night.)

Note:
Dynamic Range Compression setting is not valid for the DTS Digital Surround and DVD MULTI playback mode.

Digital Input (DIGITAL IN) Terminal Setting

When you use the digital input terminals, you have to register what components are connected to which terminals (DIGITAL IN 1/2/3/4).

Before you start, remember...
- There is a time limit in doing the following steps. If the setting is canceled before you finish, start from step 1 again.

On the front panel ONLY:
To set the DIGITAL 1 terminal
1. Press SETTING repeatedly until "COAX. DIG. IN" appears on the display.
   The display changes to show the current setting.

2. Turn MULTI JOG to select the appropriate digital terminal setting:
   - As you turn it, the display changes to show the following:

   1 DVD — 1 MD — 1 CDR — 1 TV (or 1 DBS*) —
   1 CD — (back to the beginning)

   * If you have changed the source name from "TV SOUND" to "DBS," "DBS" appears.

To set the DIGITAL 2/3/4 terminal
1. Press SETTING repeatedly until "OPT. DIG. IN" appears on the display.
   The display changes to show the current setting.

   DIGITAL 3 terminal setting
   2 DVD — 3 MD — 4 CDR
   DIGITAL 2 terminal setting   DIGITAL 4 terminal setting

2. Turn MULTI JOG to select the appropriate digital terminal settings.
   - As you turn it, the display changes to show the following:

   When the DIGITAL 1 is set to "DVD"
   2 CD 3 MD 4 CDR
   2 MD 3 TV (or 3 DBS*) 4 CDR
   2 CD 3 TV (or 3 DBS*) 4 CDR
   2 CD 3 TV (or 3 DBS*) 4 MD
   (back to the beginning)

   When the DIGITAL 1 is set to "MD"
   2 DVD 3 TV (or 3 DBS*) 4 CDR
   2 CD 3 TV (or 3 DBS*) 4 CDR
   2 CD 3 TV (or 3 DBS*) 4 DVD
   2 CD 3 DVD 4 CDR
   (back to the beginning)

   When the DIGITAL 1 is set to "CDR"
   2 DVD 3 TV (or 3 DBS*) 4 MD
   2 MD 3 TV (or 3 DBS*) 4 DVD
   2 CD 3 DVD 4 MD
   2 CD 3 MD 4 DVD
   2 MD 3 TV (or 3 DBS*) 4 DVD
   (back to the beginning)

   When the DIGITAL 1 is set to "TV" or "DBS"
   2 CD 3 DVD 4 CDR   2 CD 3 DVD 4 MD
   2 CD 3 MD 4 CDR   2 MD 3 DVD 4 CDR
   (back to the beginning)

   When the DIGITAL 1 is set to "CD"
   2 MD 3 TV (or 3 DBS*) 4 CDR
   2 DVD 3 TV (or 3 DBS*) 4 CDR
   2 DVD 3 TV (or 3 DBS*) 4 MD
   2 MD 3 DVD 4 CDR
   (back to the beginning)

   * If you have changed the source name from "TV SOUND" to "DBS," "DBS" appears.

Note:
When shipped from the factory, the DIGITAL IN terminals can be used as the digital input for the following components:
- DIGITAL 1 (coaxial): For DVD player
- DIGITAL 2 (optical): For CD player
- DIGITAL 3 (optical): For digital TV broadcast tuner
- DIGITAL 4 (optical): For CD recorder

Selecting the Analog or Digital Input Mode

When you have connected digital source components using the digital terminals (see page 9), you can change the input mode for these components to the appropriate digital input mode correctly — AUTO/PCM, DOLBY DIGITAL, or DTS.

Before you start, remember...
- The digital input (DIGITAL IN) terminal setting should be correctly done for the sources you want to select the digital input mode for. Without setting this digital input terminal correctly, you cannot change the input mode from analog input to digital input even if you follow the procedure below.

On the front panel:
1. Turn SOURCE SELECTOR until the source (CD, MD, TV SOUND, DBS, DVD, or CDR/VCR2)* for which you want to change the input mode appears on the display.

Note:
Among the sources listed above, you can select the digital input only for the sources which you have selected the digital input terminals for. (See "Digital Input (DIGITAL IN) Terminal Setting.")

2. Press INPUT ANALOG/DIGITAL repeatedly until the digital input mode you want appears on the display.
   - Each time you press the button, the input mode changes as follows:

   ANALOG — AUTO/PCM — DOLBY DIGITAL — DTS — (back to ANALOG)

Normally select "AUTO/PCM," so the receiver automatically detects the incoming digital signal format. (The DIGITAL AUTO indicator lights up on the display.)
- When the receiver can recognize the digital signal format coming into the receiver, the frame of the digital signal indicator for the detected signal lights up automatically.
- When the receiver cannot recognize the incoming signal format correctly, the frame of the digital signal indicator flashes.
  If this happens, select the same digital input mode with the incoming digital signal — either "DOLBY DIGITAL" or "DTS."

To change the input mode back to analog input, select "ANALOG."

From the remote control:
1. Press the source selecting button (CD, TAPE/MD, TV/DBS, DVD, or CDR/VCR2)* for which you want to change the input mode.

Note:
- Among the sources listed above, you can select the digital input only for the sources which you have selected the digital input terminals for. (See "Digital Input (DIGITAL IN) Terminal Setting.")

2. Press ANALOG/DIGITAL to change the input mode.
   - Each time you press the button, the input mode changes as follows:

   ANALOG — AUTO/PCM — DOLBY DIGITAL — DTS — (back to ANALOG)

Notes:
- Noise may come out of the speakers while searching or skipping a multi- or hard source encoded with Dolby Digital or DTS Digital Surround. If this happens, select "DOLBY DIGITAL" or "DTS" for digital input mode.
- When you change the source, the digital input mode will be automatically reset to "AUTO/PCM."

Showing the Text Information on the Display

When you have connected an MD recorder or CD player equipped with TEXT COMPU LINK remote control system (see page 39), you can show the text information, such as disc title or track title, on the display of this receiver. To check it on the display, follow the procedure below.

Before you start, remember...
- There is a time limit in doing the following steps. If the setting is canceled before you finish, start from step 1 again.

On the front panel only:
1. Press SETTING repeatedly until "FL DISPLAY" appears on the display.
   The display changes to show the current setting.

2. Turn MULTI JOG to select either the source name or the text information to be shown on the display.
   - As you turn it, the display changes to show the following:

   NORMAL — TEXT

| NORMAL: | Source name appears during play. |
| TEXT: | Text information appears during play. |

Note:
Though you have selected "TEXT," the source name such as "CD" or "MD" appears if a playing disc has no text information.

Storing the Basic Settings and Adjustments — One Touch Operation

JVC's One Touch Operation function is used to assign and store different sound settings for each different playing source. By using this function, you do not have to change the settings every time you change the source. The stored settings for the newly selected source are automatically recalled.

The following can be stored for each source:
- Volume level (see page 11)
- Bass boost (see page 12)
- Input attenuation mode (see page 12)
- Subwoofer output level (see page 12)
- Balance (see page 13)
- SEA modes (see page 21)
- DSP modes
  - 3D-PHONIC mode settings (see page 25)
  - DAP mode settings (see page 25)
  - Surround mode settings (see page 26)
- DVD MULTI playback mode settings (see page 31)

On the front panel ONLY:

To store the sound settings

1. Press ONE TOUCH OPERATION.
The ONE TOUCH OPERATION lamp lights up, then the previously memorized settings are recalled.

2. Adjust the sound using the functions listed above.
The newly adjusted settings are memorized.

To recall the sound settings
With the ONE TOUCH OPERATION lamp lit, the settings for the currently selected source are recalled when the source is selected.

To cancel the One Touch Operation function
Press ONE TOUCH OPERATION so that the lamp goes off. (Even though the One Touch Operation function is canceled, the recalled sound effects remain active.)

Notes:
- If the source is FM or AM, you can assign a different setting for each band.
- The DSP modes and DVD MULTI playback mode cannot be used at the same time.

Using the Sleep Timer

Using the Sleep Timer, you can fall asleep to music and know the receiver will turn off by itself rather than play all night.

From the remote control ONLY:

Press SLEEP repeatedly.
The SLEEP indicator lights up on the display, and the shut-off time changes as follows (in minutes):

10 → 20 → 30 → 40 → 50 → 60 → 70 → 80 → 90
↑   ↓
00 (Canceled) ←
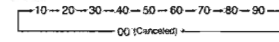
When the shut-off time comes
The receiver turns off automatically.

To check or change the time remaining until the shut-off time
Press SLEEP once.
The remaining time until the shut-off time appears in minutes.
- To change the shut-off time, press SLEEP repeatedly.

To cancel the Sleep Timer
Press SLEEP repeatedly until "SLEEP 00min." appears on the display. (The SLEEP indicator goes off.)
- Turning off the power also cancels the Sleep Timer.

Receiving Radio Broadcasts

You can browse through all the stations or use the preset function to go immediately to a particular station.

IMPORTANT:
When using the remote control, check to see if its remote control mode selector is set to the correct position.
To operate this receiver, set it to "AUDIO/TV/VCR."

Tuning in Stations Manually

On the front panel:

1. Turn SOURCE SELECTOR to select the band (FM or AM).
The last received station of the selected band is tuned in.

2. Press FM/AM TUNING.

3. Turn MULTI JOG until you find the frequency you want.
- Turning it clockwise increases the frequency.
- Turning it counterclockwise decreases the frequency.
- When you turn MULTI JOG quickly, the frequency keeps changing until a station is tuned in.

From the remote control:

1. Press FM/AM to select the band.
- Each time you press the button, the band alternates between FM and AM.

2. Press TUNING UP or TUNING DOWN repeatedly until you find the frequency you want.
- When you hold the button (and release it), the frequency keeps changing until a station is tuned in.

Note:
When a station of sufficient signal strength is tuned in, the TUNED indicator lights up on the display.
When an FM stereo program is received, the STEREO indicator also lights up.

Using Preset Tuning

Once a station is assigned to a channel number, the station can be quickly tuned. You can preset up to 30 FM and 15 AM stations.

To store the preset stations

Before you start, remember...
- There is a time limit in doing the following steps. If the setting is canceled before you finish, start from step 1 again.

On the front panel ONLY:

1. Tune in the station you want to preset (see "Tuning in Stations Manually").
- If you want to store the FM reception mode for this station, select the FM reception mode you want. See "Selecting the FM Reception Mode" on page 20.

2. Press TUNER/SEA MEMORY.

"CH-" appears and the channel number position starts flashing on the display for about 10 seconds.

3. Turn MULTI JOG to select a channel number while the channel number position is flashing.

Note:
You can use the 10 keys on the remote control to select the preset number. When using the 10 keys, be sure that they are activated for the tuner, not for the CD and others. (See page 46.)

4. Press TUNER/SEA MEMORY again while the selected channel number is flashing on the display.
The selected channel number stops flashing.
The station is assigned to the selected channel number.

5. Repeat steps 1 to 4 until you store all the stations you want.

To erase a stored preset station
Storing a new station on a used number erases the previously stored one.

To tune in a preset station

On the front panel:

1. Turn SOURCE SELECTOR to select the band (FM or AM).
The last received station of the selected band is tuned in.

2. Press TUNER PRESET.

3. Turn MULTI JOG until you find the channel you want.
- Turning it clockwise increases the channel numbers.
- Turning it counterclockwise decreases the channel numbers.

From the remote control:

1. Press FM/AM.
- Each time you press the button, the band alternates between FM and AM.

2. Press the 10 keys to select a preset channel number.
- For channel number 5, press 5.
- For channel number 15, press +10 then 5.
- For channel number 20, press +10 then 10.
- For channel number 30, press +10, +10, then 10.

Note:
When you use the 10 keys on the remote control, be sure that they are activated for the tuner, not for the CD and others. (See page 46.)

### Selecting the FM Reception Mode

When an FM stereo broadcast is hard to receive or noisy
You can change the FM reception mode while receiving an FM broadcast.
- You can store the FM reception mode for each preset station.

Press FM MODE on the front panel or on the remote control.
- Each time you press the button, the FM reception mode alternates between "AUTO MUTING" and "MONO."

On the front panel.   On the remote control.
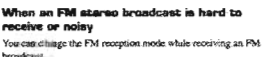
AUTO MUTING: When a program is broadcast in stereo, you will hear stereo sound; when it is monaural, you will hear monaural sound. This mode is also useful to suppress static noise between stations. The AUTO MUTING indicator lights up on the display.

MONO: Reception will be improved although you will lose the stereo effect. In this mode, you will hear noise while tuning into the stations. The AUTO MUTING indicator goes off on the display.

Note:
When using the FM MODE button on the remote control, be sure that the 10 keys are activated for the tuner, not for the CD and others. (See page 46.)

Assigning Names to Preset Stations

You can assign a name of up to four characters to each preset station. When a preset station is tuned in, its assigned name will appear on the display.

Before you start, remember...
- There is a time limit in doing the following steps. If the setting is canceled before you finish, start from step 1 again.
- You can use the following characters: Space, (_), A - Z, and 0 - 9.

On the front panel ONLY:

1. Tune in a preset station.
See the left.

2. Press TUNER/SEA MEMORY.
The preset channel number starts flashing for about 10 seconds.
- If you turn MULTI JOG while the preset channel number is flashing, you can change the preset channel number.

3. Press TUNER PRESET, while the preset channel number is flashing.
The first character position starts flashing.

4. Turn MULTI JOG to select the first character, while the first character position is flashing.

5. Press TUNER PRESET, while a character you want is flashing.
The next character position starts flashing.

6. Repeat steps 4 and 5 to enter up to four characters.

7. Press TUNER/SEA MEMORY while the last selected character is flashing after you have assigned a name.

To erase the input characters
Insert spaces using the same procedure described above.

Using the SEA Modes

The SEA (Sound Effect Amplifier) modes give you control of the way your music sounds.

IMPORTANT:
When using the remote control, check to see if its remote control mode selector is set to the correct position.
To operate this receiver, set it to "AUDIO/TV/VCR."

Selecting Your Favorite SEA Mode

On the front panel:

Press SEA MODE repeatedly until the SEA mode you want appears on the display.
- Each time you press the button, the SEA mode changes as follows:

SEA ROCK → SEA MUSICAL → SEA MOVIE →
SEA COUNTRY
SEA OFF ← SEA USERMODE ← SEA JAZZ ←

SEA ROCK:	Gives a heavy sound. Both high and low frequencies are boosted.
SEA MUSICAL:	Enhances the mid-frequency range, which the human voice is mostly made up of.
SEA MOVIE:	Adds breadth to sounds so you feel like you are in a movie theater.
SEA COUNTRY:	Enhances the high-frequency range so that instruments such as violins and banjo are emphasized.
SEA JAZZ:	Gives a feeling of a live atmosphere. Good for acoustic music.
SEA USERMODE:	Your original SEA adjustment (see the right).
SEA OFF:	No SEA mode is applied (see below).

Notes:
- The SEA modes cannot be used for recording.
- When the SEA mode is in standby, the SEA indicator lights up on the display.
- When the SEA mode is used with the DAP mode (see page 25), sounds may be distorted. If this happens, turn off the DAP mode or decrease the effect level of the DAP mode.

To cancel the SEA mode
Press SEA MODE repeatedly until "SEA OFF" appears. The SEA indicator goes off from the display.

From the remote control:

1. Press SOUND.
The 10 keys are activated for sound adjustments.

2. Press SEA MODE repeatedly until the SEA mode you want appears on the display.

To cancel the SEA mode
Press SEA MODE repeatedly until "SEA OFF" appears in step 2 above. The SEA indicator goes off from the display.

Creating Your Own SEA Mode

You can adjust and store your own SEA adjustment into memory (SEA USERMODE).

Before you start, remember...
- There is a time limit in doing the following steps. If the setting is canceled before you finish, start from step 1 again.

On the front panel ONLY:
If you do not want to store your adjustment, but rather want to adjust the SEA temporarily, skip step 4 below.

1. Press SEA ADJUST repeatedly until the frequency range (100Hz, 1kHz or 10kHz) you want appears on the display.

2. Turn MULTI JOG to adjust the SEA level of the selected frequency range.
- Turning it clockwise increases the level.
- Turning it counterclockwise decreases the level.

3. Repeat step 1 and 2 to adjust other frequency ranges if necessary.

4. Press TUNER/SEA MEMORY.
Your adjustment is stored into the SEA USERMODE.

To recall your own SEA adjustment
Press SEA MODE repeatedly until "SEA USERMODE" appears.

To erase a stored adjustment
Storing a new adjustment into SEA USERMODE erases the previously stored one.

Using the DSP Modes

The built-in Surround Processor provides three types of the DSP (Digital Signal Processor) mode. — 3D-PHONIC mode, DAP (Digital Acoustic Processor) mode and Surround mode.

3D-PHONIC modes

The 3D-PHONIC mode gives you such a nearly surround effect as is reproduced through the Dolby Surround decoder, which is widely used to reproduce sounds with a feeling of movement like those experienced in movie theaters. The 3D-PHONIC mode is the result of research on sound localization technology carried out at JVC for many years. **This mode can be used when the front speakers are connected to this receiver (without respect to the rear/center speaker connection).**

3D ACTION: Best for action and war movies — where the action is fast and explosive.

3D THEATER: Reproduces the sound field of a large theater. This mode can be selected when only front speakers are connected to this receiver and "REAR SPK" and "CENTER SPK" are set to "NONE" (see page 14).
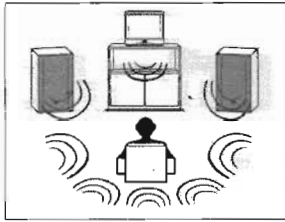
DAP modes

The sound heard in a concert hall or club consists of direct sound and indirect sound — early reflections and reflections from behind. Direct sounds reach the listener directly without any reflection. On the other hand, indirect sounds are delayed by the distances of the ceiling and walls. These direct sounds and indirect sounds are the most important elements of the natural surround effects. The DAP mode can create these important elements, and gives you a real "being there" feeling. **This mode can be used when the front speakers are connected to this receiver (without respect to the rear/center speaker connection).**

You can select one of the following to your preference while playing an analog or linear PCM source.

LIVE CLUB: Gives the feeling of a live music club with a low ceiling.

DANCE CLUB: Gives a throbbing bass beat.

HALL: Gives clear vocal and the feeling of a concert hall.

PAVILION: Gives the spacious feeling of a pavilion with a high ceiling.
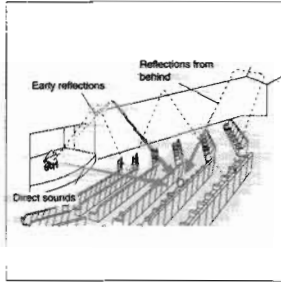
Surround modes

With this receiver, you can use three types of the Surround mode. Following modes cannot be used when only the front speakers are connected to this receiver (without the rear speakers or center speaker).

Dolby Surround (Dolby Digital and Dolby Pro Logic)

Used to watch the soundtracks of software encoded with Dolby Digital (bearing the mark ⬛) or with Dolby Surround (bearing the mark ⬛).

Dolby Surround encoding format records the left front channel, right front channel, center channel, and rear channel (total 4 channels) signals into 2 channels. The Dolby Pro Logic decoder built in this receiver decode these 2 channel signals into original 4 channel signals — matrix-based multichannel reproduction, and allows you to enjoy the realistic sounds in your listening room.

On the other hand, Dolby Digital encoding method (so called a discrete 5.1 channel digital audio format) records and compresses the left front channel, right front channel, center channel, left rear channel, right rear channel, and LFE channel (total 6 channels, but LFE channel is counted as 0.1 channel, therefore called 5.1 channels) signals digitally. Each channel is completely independent from other channel signals to avoid interference, therefore, you can obtain much better sound quality with much stereo and surround effects.

The Dolby Digital decoder built in this receiver can create much more realistic sound field in your listening room. You may feel as if you were in a real theater.

In addition, Dolby Digital enables stereo rear sounds, and sets the cutoff frequency of the rear treble at 20 kHz, comparing to 7 kHz for Dolby Pro Logic. These facts enhance the sound movement and being-there feelings much more than Dolby Pro Logic.

- To enjoy the software encoded with Dolby Digital, you must connect the source component using the digital terminal on the rear of this receiver. (See page 8.)

DTS Digital Surround

DTS Digital Surround is another discrete 5.1 channel digital audio format available on CD, LD, and DVD software.

Comparing to Dolby Digital, audio compression rate is relatively low. This fact allows DTS Digital Surround format to have more data recorded than Dolby Digital even using the same media, and to add breadth and depth to the reproduced sounds. As a result, DTS Digital Surround features natural, solid and clear sound.

- To enjoy the software encoded with DTS Digital Surround, you must connect the source component using the digital terminal on the rear of this receiver. (See page 8.)

JVC Theater Surround

In order to reproduce a more realistic sound field in your listening room while playing soundtracks of software encoded with Dolby Surround (bearing the mark ⬛).
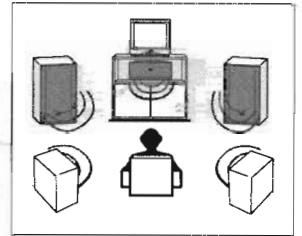
Notes:
- The DSP modes have no effect on monaural sources.
- When you select "DVD MULTI" as the source to play, you cannot select or adjust the DSP modes.
- The ⬛ PRO LOGIC indicator lights up when the Dolby Pro Logic decoder built in this receiver is activated.

DVD MULTI Playback Mode

This receiver provides the DVD MULTI playback mode for reproducing the analog discrete 5.1 channel output mode of the DVD player or other equipment.

You can adjust the DVD MULTI playback mode while playing back a video software such as a DVD using the analog discrete 5.1 channel output mode.
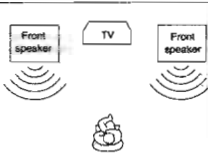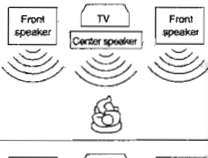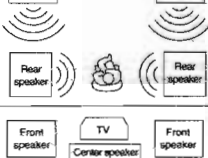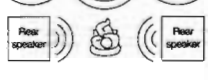
- For the DVD MULTI playback mode connection, see page 7.
- For details on the DVD MULTI playback mode, see page 31.

Available DSP Modes According to the Speaker Arrangement

Available DSP modes will vary depending on how many speakers are used with this receiver.
Make sure that you have set the speaker information correctly (see page 14).

Speaker arrangements	Available DSP modes
	Each time you press DSP MODE on the front panel or SURROUND MODE on the remote control, the DSP modes change as follows: • 3D THEATER • LIVE CLUB • DANCE CLUB • HALL • PAVILION • 3D ACTION • DSP OFF (DSP mode is canceled)
	Each time you press DSP MODE on the front panel or SURROUND MODE on the remote control, the DSP modes change as follows: **By pressing DSP MODE:** • THEATER • LIVE CLUB • DANCE CLUB • HALL • PAVILION • 3D ACTION • DSP OFF (DSP mode is canceled) **By pressing SURROUND MODE:** • SURROUND ON (DOLBY PRO LOGIC, DOLBY DIGITAL*, or DTS SURROUND**) • THEATER • LIVE CLUB • DANCE CLUB • HALL • PAVILION • 3D ACTION • DSP OFF (DSP mode is canceled) **To activate the Surround mode,** press SURROUND ON/OFF button so that the lamp on the button lights up.
	To activate the Surround mode, you can also use the SURROUND ON/OFF button.

* Activated automatically only when "AUTO PCM" is selected as the digital input and playback source is encoded with Dolby Digital.
** Activated automatically only when "AUTO PCM" is selected as the digital input and playback source is encoded with DTS Digital Surround.

Notes:
- If Surround mode is canceled while playing back a multichannel source such as Dolby Digital and DTS Digital Surround, all channel signals are mixed with left and right front channel and are output through the front speakers.
- While playing back a multichannel source such as Dolby Digital and DTS Digital Surround, Theater Surround, DAP modes, and 3D-PHONIC modes cannot be used. On the other hands, if you select a Dolby Digital and DTS Digital Surround as the source to play while using any of Theater Surround, DAP modes, and 3D-PHONIC modes, the currently selected mode will be canceled and Dolby Digital or DTS Digital Surround mode will be activated.

When using the remote control, check to see if its remote control mode selector is set to the correct position.
To operate this receiver, set it to "AUDIO/TV/VCR".

Adjusting the 3D-PHONIC Modes

Once you have adjusted the 3D-PHONIC modes, the adjustment is memorized for each 3D-PHONIC mode.

Before you start, remember...
- Make sure that you have set the speaker information correctly (see page 14).
- There is a time limit in doing the following steps. If the setting is canceled before you finish, start from step 1 again.

On the front panel:
1. **Press DSP MODE repeatedly until "3D ACTION" or "3D THEATER" appears on the display.**
   The 3D-PHONIC, DSP, and ⬛ PRO LOGIC indicators also light up on the display.

2. **Adjust the effect level.**
   1) Press BALANCE/SURROUND ADJUST repeatedly until "DSP EFFECT" appears on the display.
      The display changes to show the current setting.
   2) Turn MULTI JOG to select the effect level.
      - As you turn it, the effect level changes as follows:

   ┌─ DSP EFFECT 1 → DSP EFFECT 2 → DSP EFFECT 3 ─┐
   └─→ DSP EFFECT 5 ← DSP EFFECT 4 ←─┘
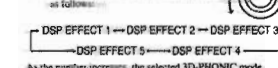
   As the number increases, the selected 3D-PHONIC mode becomes stronger.

From the remote control:
1. **Press SURROUND MODE repeatedly until "3D ACTION" or "3D THEATER" appears on the display.**
   The 3D-PHONIC, DSP, and ⬛ PRO LOGIC indicators also light up on the display.

2. **Press SOUND.**
   The 10 keys are activated for sound adjustments.

3. **Press EFFECT to select an effect level you want.**
   - Each time you press the button, the effect level changes as follows:

   ┌─ DSP EFFECT 1 → DSP EFFECT 2 → DSP EFFECT 3 ─┐
   └─→ DSP EFFECT 5 ← DSP EFFECT 4 ←─┘
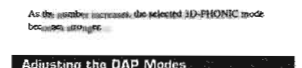
   As the number increases, the selected 3D-PHONIC mode becomes stronger.

Adjusting the DAP Modes

Once you have adjusted the DAP modes, the adjustment is memorized for each DAP mode.

Before you start, remember...
- Make sure that you have set the speaker information correctly (see page 14).
- There is a time limit in doing the following steps. If the setting is canceled before you finish, start from step 1 again.
- You cannot adjust the rear speaker output level when you have set "REAR SPK" to "NONE." See page 14.
- When the DAP mode is used with the SEA mode (see page 21), sounds may be distorted. If this happens, turn off the SEA mode.

On the front panel:
1. **Press DSP MODE repeatedly until the DAP mode — LIVE CLUB, DANCE CLUB, HALL, or PAVILION — appears on the display.**
   The DSP indicator also lights up on the display.
   - When you have set "REAR SPK" to "NONE," the 3D-PHONIC indicator also lights up.

2. **Adjust the speaker output levels.**
   1) Press BALANCE/SURROUND ADJUST repeatedly until one of the indications appears on the display.
      "REAR L LEVEL":
      To adjust the left rear speaker level.
      "REAR R LEVEL":
      To adjust the right rear speaker level.
   2) Turn MULTI JOG to adjust the selected speaker output level (from –10 dB to +10 dB).
   3) Repeat 1) and 2) to adjust the other speaker output level.

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3. Adjust the effect level.
   1) Press BALANCE/SURROUND ADJUST repeatedly until "DSP EFFECT" appears on the display.
   The display changes to show the current setting.
   2) Turn MULTI JOG to select the effect level.
   - As you turn it, the effect level changes as follows:

   ─ DSP EFFECT 1 ─ DSP EFFECT 2 ─ DSP EFFECT 3 ─
   └── DSP EFFECT 5 ── DSP EFFECT 4 ──┘

   As the number increases, the selected DAP mode becomes stronger.

From the remote control:

1. Press SURROUND MODE repeatedly until the DAP mode — LIVE CLUB, DANCE CLUB, HALL, or PAVILION — appears on the display.
   The DSP indicator also lights up on the display.
   - When you have set "REAR SPK" to "NONE", the 3D-PHONIC indicator also lights up.

2. Press SOUND.
   The 10 keys are activated for sound adjustments.

3. Adjust the speaker output levels.
   - To adjust the left rear speaker level, press REAR·L -/+ (from -10 dB to +10 dB).
   - To adjust the right rear speaker level, press REAR·R -/+ (from -10 dB to +10 dB).

4. Press EFFECT to select an effect level you want.
   - Each time you press the button, the effect level changes as follows:

   ─ DSP EFFECT 1 ─ DSP EFFECT 2 ─ DSP EFFECT 3 ─
   └── DSP EFFECT 5 ── DSP EFFECT 4 ──┘

   As the number increases, the selected DAP mode becomes stronger.

Adjusting the Surround Modes

Once you have adjusted the Surround modes, the adjustment is memorized for each Surround mode.

Dolby and DTS Surround adjustments

Before you start, remember...
- Make sure that you have set the speaker information correctly (see page 14).
- There is a time limit in doing the following steps. If the setting is canceled before you finish, start from step 1 again.
- You cannot adjust the rear speaker output levels when you have set "REAR SPK" to "NONE". See page 14.
- You cannot adjust the center speaker output level and center tone when you have set "CENTER SPK" to "NONE". See page 14.

From the remote control:

1. Press SURROUND ON/OFF to activate an appropriate Surround mode — PRO LOGIC, DOLBY DIGITAL or DTS SURROUND.
   - Each time you press the button, the Surround mode turns on and off alternately.
   - When "PRO LOGIC" is selected, the PRO LOGIC indicator lights up on the display.

   Note:
   You can also press SURROUND MODE to activate an appropriate Surround mode.

2. Press SOUND.
   The 10 keys are activated for sound adjustments.

3. Press TEST to check the speaker output balance.
   "TEST TONE L" starts flashing on the display, and a test tone comes out of the speakers in the following order:

   TEST TONE L → TEST TONE C → TEST TONE R
   (Left front speaker) (Center speaker) (Right front speaker)

   TEST TONE LS   TEST TONE RS
   (Left rear speaker) (Right rear speaker)

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Notes:
- You can adjust the speaker output levels without outputting the test tone.
- No test tone comes out of the center speaker when "CENTER SPK" is set to "NONE" (see page 14).
- No test tone comes out of the rear speakers when "REAR SPK" is set to "NONE" (see page 14).
- If the TV is turned on and the proper video input is selected on the TV, the test tone screen will appear on the TV.

4. Adjust the speaker output levels.
   - To adjust the center speaker level, press CENTER -/+ (from -10 dB to +10 dB).
   - To adjust the left rear speaker level, press REAR·L -/+ (from -10 dB to +10 dB).
   - To adjust the right rear speaker level, press REAR·R -/+ (from -10 dB to +10 dB).

5. Press TEST again to stop the test tone.

6. Press CNTR TONE to select the center tone level you want.
   The center tone adjustment affects the mid-frequency range, which the human voice is mostly made up of.
   - Each time you press the button, the display changes to show the following:

   ─ CENTER SHARP1 ── CENTER SHARP2
   CENTER FLAT
   (Canceled)
   └─ CENTER SOFT 1 ── CENTER SOFT 2

   To make the dialogue clearer, select "CENTER SHARP1" (little) or "CENTER SHARP2" (much).
   To make the dialogue softer, select "CENTER SOFT 1" (little) or "CENTER SOFT 2" (much).
   When "CENTER FLAT" is selected, no adjustment is applied.

On the front panel:

You can also use the buttons on the front panel to adjust the Surround modes. However, no test tone is available when using the buttons on the front panel. So, make adjustments while listening to the sound of the source played back.

1. Press SURROUND ON/OFF to activate an appropriate Surround mode — PRO LOGIC, DOLBY DIGITAL or DTS SURROUND.
   - Each time you press the button, the Surround mode turns on and off alternately.
   - When "PRO LOGIC" is selected, the PRO LOGIC indicator lights up on the display.

2. Adjust the speaker output levels.
   1) Press BALANCE/SURROUND ADJUST repeatedly until one of the indications appears on the display.
   "CENTER LEVEL":
      To adjust the center speaker level.
   "REAR L LEVEL":
      To adjust the left rear speaker level.
   "REAR R LEVEL":
      To adjust the right rear speaker level.
   2) Turn MULTI JOG to adjust the selected speaker output level (from -10 dB to +10 dB).
   3) Repeat 1) and 2) to adjust the other speaker output levels.

3. Adjust the center tone.
   1) Press BALANCE/SURROUND ADJUST repeatedly until "CENTER TONE" appears on the display.
   The display changes to show the current setting.
   2) Turn MULTI JOG to select the center tone level you want.
   - As you turn it, the display changes to show the following:

   ─ CENTER SHARP1 ──── CENTER SHARP2
   CENTER FLAT
   (Canceled)
   └─ CENTER SOFT 1 ──── CENTER SOFT 2

   To make the dialogue clearer, select "CENTER SHARP1" (little) or "CENTER SHARP2" (much).
   To make the dialogue softer, select "CENTER SOFT 1" (little) or "CENTER SOFT 2" (much).
   When "CENTER FLAT" is selected, no adjustment is applied.

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JVC Theater Surround adjustments

Before you start, remember...
- Make sure that you have set the speaker information correctly (see page 14).
- There is a time limit in doing the following steps. If the setting is canceled before you finish, start from step 1 again.
- You cannot adjust the rear speaker output levels when you have set "REAR SPK" to "NONE". See page 14.
- You cannot adjust the center speaker output level and center tone when you have set "CENTER SPK" to "NONE". See page 14.

From the remote control:

1. Press SURROUND MODE repeatedly until "THEATER" appears on the display.
   The PRO LOGIC and DSP indicators also light up on the display.

2. Press SOUND.
   The 10 keys are activated for sound adjustments.

3. Press TEST to check the speaker output balance.
   "TEST TONE L" starts flashing on the display, and a test tone comes out of the speakers in the following order:

   TEST TONE L → TEST TONE C → TEST TONE R
   (Left front speaker) (Center speaker) (Right front speaker)

   TEST TONE LS   TEST TONE RS
   (Left rear speaker) (Right rear speaker)

   Notes:
   - You can adjust the speaker output levels without outputting the test tone.
   - No test tone comes out of the center speaker when "CENTER SPK" is set to "NONE" (see page 14).
   - No test tone comes out of the rear speakers when "REAR SPK" is set to "NONE" (see page 14).
   - If the TV is turned on and the proper video input is selected on the TV, the test tone screen will appear on the TV.

4. Adjust the speaker output levels.
   - To adjust the center speaker level, press CENTER -/+ (from -10 dB to +10 dB).
   - To adjust the left rear speaker level, press REAR·L -/+ (from -10 dB to +10 dB).
   - To adjust the right rear speaker level, press REAR·R -/+ (from -10 dB to +10 dB).

5. Press TEST again to stop the test tone.

6. Press CNTR TONE to select the center tone level you want.
   The center tone adjustment affects the mid-frequency range, which the human voice is mostly made up of.
   - Each time you press the button, the display changes to show the following:

   ─ CENTER SHARP1 ── CENTER SHARP2
   CENTER FLAT
   (Canceled)
   └─ CENTER SOFT ── CENTER SOFT 2

   To make the dialogue clearer, select "CENTER SHARP1" (little) or "CENTER SHARP2" (much).
   To make the dialogue softer, select "CENTER SOFT 1" (little) or "CENTER SOFT 2" (much).
   When "CENTER FLAT" is selected, no adjustment is applied.

7. Press EFFECT to select an effect level you want.
   - Each time you press the button, the effect level changes as follows:

   ─ DSP EFFECT 1 ─ DSP EFFECT 2 ─ DSP EFFECT 3 ─
   └── DSP EFFECT 5 ── DSP EFFECT 4 ──┘

   As the number increases, JVC Theater Surround becomes stronger.

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On the front panel:

You can also use the buttons on the front panel to adjust the Surround modes. However, no test tone is available when using the buttons on the front panel. So, make adjustments while listening to the sound of the source played back.

1. Press DSP MODE repeatedly until "THEATER" appears on the display.
   The PRO LOGIC and DSP indicators also light up on the display.

2. Adjust the speaker output levels.
   1) Press BALANCE/SURROUND ADJUST repeatedly until one of the indications appears on the display.
   "CENTER LEVEL":
      To adjust the center speaker level.
   "REAR L LEVEL":
      To adjust the left rear speaker level.
   "REAR R LEVEL":
      To adjust the right rear speaker level.
   2) Turn MULTI JOG to adjust the selected speaker output level (from -10 dB to +10 dB).
   3) Repeat 1) and 2) to adjust the other speaker output levels.

3. Adjust the center tone.
   1) Press BALANCE/SURROUND ADJUST repeatedly until "CENTER TONE" appears on the display.
   The display changes to show the current setting.
   2) Turn MULTI JOG to select the center tone level you want.
   - As you turn it, the display changes to show the following:

   ─ CENTER SHARP1 ──── CENTER SHARP2
   CENTER FLAT
   (Canceled)
   └─ CENTER SOFT 1 ──── CENTER SOFT 2

   To make the dialogue clearer, select "CENTER SHARP1" (little) or "CENTER SHARP2" (much).
   To make the dialogue softer, select "CENTER SOFT 1" (little) or "CENTER SOFT 2" (much).
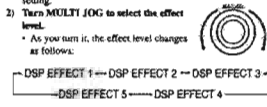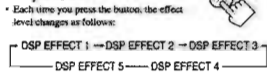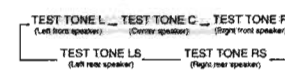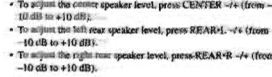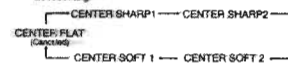   When "CENTER FLAT" is selected, no adjustment is applied.

4. Adjust the effect level.
   1) Press BALANCE/SURROUND ADJUST repeatedly until "DSP EFFECT" appears on the display.
   The display changes to show the current setting.
   2) Turn MULTI JOG to select the effect level.
   As you turn it, the effect level changes as follows:

   ─ DSP EFFECT 1 ─ DSP EFFECT 2 ─ DSP EFFECT 3 ─
   └── DSP EFFECT 5 ── DSP EFFECT 4 ──┘
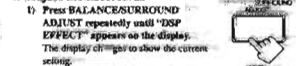
   As the number increases, JVC Theater Surround becomes stronger.

Activating the DSP Modes

You can use only one DSP mode at a time. When a DSP mode is activated, another DSP mode is canceled if in use.

For Dolby Pro Logic, Dolby Digital, and DTS Digital Surround

1. Press SURROUND ON/OFF so that the lamp on the front panel button lights up.
   - Each time you press the button, the Dolby/DTS Surround turns on and off alternately.

   On the front panel   On the remote control
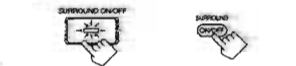
2. Select and play a sound source.
   - To enjoy Dolby Pro Logic, play back a software encoded with Dolby Surround and labeled with DOLBY SURROUND mark.
   - To enjoy Dolby Digital, play back a software encoded with Dolby Digital and labeled with the mark.
   - To enjoy DTS Digital Surround, play back a software encoded with DTS Digital Surround and labeled with the mark.

To cancel the Dolby/DTS Surround mode

Press SURROUND ON/OFF again so that the lamp on the front panel button goes off. ("SURROUND OFF" appears on the display.)

   On the front panel   On the remote control

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For the other DSP modes

On the front panel:

1. **Press DSP MODE repeatedly until the mode you want appears on the display.**
   - Each time you press the button, the DSP modes change. (See page 24 for more details.)

2. **Select and play a sound source.**
   - To enjoy 3D-PHONIC and JVC Theater Surround, play back a software encoded with Dolby Surround and labeled with [Dolby Surround] mark.

To cancel the DSP mode

Press DSP MODE repeatedly until "DSP OFF" appears on the display.

From the remote control:

1. **Press SURROUND MODE repeatedly until the DSP mode you want appears on the display.**
   - Each time you press the button, the DSP modes change.

2. **Select and play a sound source.**
   - To enjoy 3D-PHONIC and JVC Theater Surround, play back a software encoded with Dolby Surround and labeled with [Dolby Surround] mark.

To cancel the DSP mode

Press SURROUND MODE repeatedly until "DSP OFF" appears on the display.

MEMO

Use this column to write down your DSP mode adjustments for your future reference.

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Using the DVD MULTI Playback Mode

This receiver provides the DVD MULTI playback mode for reproducing the analog discrete output mode of the DVD player. Before playing back a DVD, refer also to the manual supplied with the DVD player.

IMPORTANT:

When using the remote control, check to see if its remote control mode selector is set to the correct position.
To operate this receiver, set it to "AUDIO/TV/VCR."

Activating the DVD MULTI Playback Mode

You can adjust the DVD MULTI playback mode while playing back a DVD using the analog discrete output mode on the DVD player. Once you have made adjustments, the receiver memorizes the adjustments until you change them. You also need to set the DVD player to the analog discrete output mode.

Before you start, remember...
- There is a time limit in doing the following steps. If the setting is canceled before you finish, start from step 1 again.

On the front panel:

1. **Turn SOURCE SELECTOR until "DVD MULTI" appears on the display.**

   Note:
   When you select "DVD MULTI" as the source to play, the DSP mode is canceled temporarily, and the SURROUND ON/OFF and DSP MODE buttons do not work.

2. **Select the analog discrete output mode on the DVD player, and start playing a DVD.**
   - Refer to the manual supplied with the DVD player.

If you need to make any adjustment, go to the following steps.

3. **Adjust the speaker output levels.**
   1) Press BALANCE/SURROUND ADJUST repeatedly until one of the indications appears on the display.
      "CENTER LEVEL":
        To adjust the center speaker level.
      "REAR L LEVEL":
        To adjust the left rear speaker level.
      "REAR R LEVEL":
        To adjust the right rear speaker level.
   2) Turn MULTI JOG to adjust the selected speaker output level (from –10 dB to +10 dB).
   3) Repeat 1) and 2) to adjust the other speaker output levels.

4. **Adjust the center tone.**
   1) Press BALANCE/SURROUND ADJUST repeatedly until "CENTER TONE" appears on the display.
      The display changes to show the current setting.
   2) Turn MULTI JOG to select the center tone level you want.
      The center tone adjustment affects the mid-frequency range, which the human voice is mostly made up of.
      - As you turn it, the display changes to show the following:

      ┌─ CENTER SHARP1 ──── CENTER SHARP2 ─┐
      CENTER FLAT
      (Canceled)
      └─ CENTER SOFT 1 ──── CENTER SOFT 2 ─┘

   To make the dialogue clearer, select "CENTER SHARP1" (little) or "CENTER SHARP2" (much).
   To make the dialogue softer, select "CENTER SOFT 1" (little) or "CENTER SOFT 2" (much).
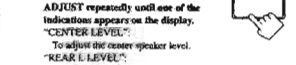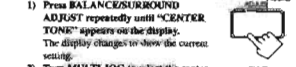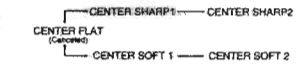   When "CENTER FLAT" is selected, no adjustment is applied.

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From the remote control:

1. **Press DVD MULTI so that "DVD MULTI" appears on the display.**
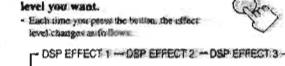
   Note:
   When you select "DVD MULTI" as the source to play, the DSP mode is canceled temporarily, and the SURROUND ON/OFF and SURROUND MODE buttons do not work.

2. **Select the analog discrete output mode on the DVD player, and start playing a DVD.**
   - Refer to the manual supplied with the DVD player.

If you need to make any adjustment, go to the following steps.

3. **Press SOUND.**
   The 10 keys are activated for adjusting the sound.

4. **Adjust the speaker output levels.**
   - To adjust the center speaker level, press CENTER –/+ (from –10 dB to +10 dB).
   - To adjust the left rear speaker level, press REAR-L –/+ (from –10 dB to +10 dB).
   - To adjust the right rear speaker level, press REAR-R –/+ (from –10 dB to +10 dB).

5. **Press CNTR TONE to select the center tone level you want.**
   - Each time you press the button, the display changes to show the following:
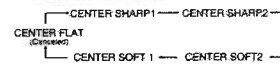
   ┌─ CENTER SHARP1 ──── CENTER SHARP2 ─┐
   CENTER FLAT
   (Canceled)
   └─ CENTER SOFT 1 ──── CENTER SOFT2 ─┘

   To make the dialogue clearer, select "CENTER SHARP1" (little) or "CENTER SHARP2" (much).
   To make the dialogue softer, select "CENTER SOFT 1" (little) or "CENTER SOFT 2" (much).
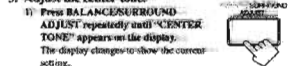   When "CENTER FLAT" is selected, no adjustment is applied.

MEMO

Use this column to write down your DVD MULTI playback mode adjustments for your future reference.

Page 33

Using the On-Screen Menus

You can use the Menus on the TV screen to control the receiver.
To use this function, you need to connect the TV to the MONITOR OUT jack on the rear panel (see page 7), and set the TV's input mode to the proper position to which the receiver is connected.
- When the TV's input mode is incorrect; for example, a different video input or TV tuner mode is selected, you cannot show the Menus on the TV screen.

On-Screen Operation buttons (on the remote control)

Selecting the Source to Play (Also see page 10)

1. **Press MENU.**
   The MAIN MENU appears on the TV.
   - Pressing one of the △ / ▽ / ◁ / ▷ buttons also displays the MAIN MENU.

   Shows the buttons you can use on the current menu.
   In this case, use △ / ▽ to move ☞ up and down, and ◁ / ▷ to select, adjust or set the item.

   Notes:
   - "INPUT" appears only when the digital input (DIGITAL IN) terminal setting have been correctly done for the digital source currently selected. (See page 16.)
   - The on-screen display will disappear if no operation is done for about 1 minute.

2. **Press △ / ▽ to move ☞ to "SOURCE."**

3. **Press ◁ / ▷ to select the source.**

4. **When you finish, press EXIT.**
   The menu disappears from the TV.

Selecting Different Sources for Picture and Sound (Also see page 11)

1. **Press MENU.**
   The MAIN MENU appears on the TV.
   - Pressing one of the △ / ▽ / ◁ / ▷ buttons also displays the MAIN MENU.

2. **Press △ / ▽ to move ☞ to "VISUAL."**

3. **Press ◁ / ▷ to select a different video source.**
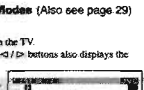
4. **When you finish, press EXIT.**
   The menu disappears from the TV.

Activating the DSP Modes (Also see page 29)

1. **Press MENU.**
   The MAIN MENU appears on the TV.
   - Pressing one of the △ / ▽ / ◁ / ▷ buttons also displays the MAIN MENU.

2. **Press △ / ▽ to move ☞ to "MODE."**

3. **Press ◁ / ▷ to select the DSP mode you want to use.**

4. **When you finish, press EXIT.**
   The menu disappears from the TV.
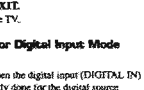
Selecting the Analog or Digital Input Mode (Also see page 16)

This selection is only possible when the digital input (DIGITAL IN) terminal setting have been correctly done for the digital source currently selected.

1. **Press MENU.**
   The MAIN MENU appears on the TV.
   - Pressing one of the △ / ▽ / ◁ / ▷ buttons also displays the MAIN MENU.

2. **Press △ / ▽ to move ☞ to "INPUT."**

3. **Press ◁ / ▷ to select the digital or analog input you want.**
   For details, see page 16.

4. **When you finish, press EXIT.**
   The menu disappears from the TV.

Adjusting the Front Speaker Output Balance
(Also see page 13)
1. Press MENU.
   The MAIN MENU appears on the TV.
   • Pressing one of the △ / ▽ / ◁ / ▷ buttons also displays the MAIN MENU.
2. Press △ / ▽ to move ⊙ to "SOUND CONTROL," then press ◁ / ▷.
   The SOUND CONTROL menu appears.
3. Press △ / ▽ to move ⊙ to "BAL." (Balance).
4. Press ◁ / ▷ to adjust the balance.
5. When you finish, press EXIT repeatedly until the menu disappears from the TV.

Reinforcing the Bass
(Also see page 12)
1. Press MENU.
   The MAIN MENU appears on the TV.
   • Pressing one of the △ / ▽ / ◁ / ▷ buttons also displays the MAIN MENU.
2. Press △ / ▽ to move ⊙ to "SOUND CONTROL," then press ◁ / ▷.
   The SOUND CONTROL menu appears.
3. Press △ / ▽ to move ⊙ to "BASS BOOST."
4. Press ◁ / ▷ to turn the bass boost function "ON" or "OFF."
5. When you finish, press EXIT repeatedly until the menu disappears from the TV.

Attenuating the Input Signal
(Also see page 12)
1. Press MENU.
   The MAIN MENU appears on the TV.
   • Pressing one of the △ / ▽ / ◁ / ▷ buttons also displays the MAIN MENU.
2. Press △ / ▽ to move ⊙ to "SOUND CONTROL," then press ◁ / ▷.
   The SOUND CONTROL menu appears.
3. Press △ / ▽ to move ⊙ to "INPUT ATT."
4. Press ◁ / ▷ to turn the Input Attenuator mode "ATT ON" or "NORMAL."
5. When you finish, press EXIT repeatedly until the menu disappears from the TV.

Adjusting the Subwoofer Output Level
(Also see page 12)
1. Press MENU.
   The MAIN MENU appears on the TV.
   • Pressing one of the △ / ▽ / ◁ / ▷ buttons also displays the MAIN MENU.
2. Press △ / ▽ to move ⊙ to "SOUND CONTROL," then press ◁ / ▷.
   The SOUND CONTROL menu appears.
3. Press △ / ▽ to move ⊙ to "SUBWFR LEVEL."
4. Press ◁ / ▷ to adjust the subwoofer output level.
5. When you finish, press EXIT repeatedly until the menu disappears from the TV.

Adjusting the DSP Modes
(Also see pages 25 – 29)
1. Press MENU.
   The MAIN MENU appears on the TV.
   • Pressing one of the △ / ▽ / ◁ / ▷ buttons also displays the MAIN MENU.
2. Press △ / ▽ to move ⊙ to "MODE."
3. Press ◁ / ▷ to select the DSP mode you want to adjust.
   • In this example, "THEATER" is selected.
4. Press △ / ▽ to move ⊙ to "SOUND CONTROL," then press ◁ / ▷.
   The SOUND CONTROL menu appears.
5. Press △ / ▽ to move ⊙ to "SURROUND LEVEL," then press ◁ / ▷.
   The SURROUND LEVEL menu appears.
6. Press △ / ▽ to move ⊙ to the item you want to set or adjust, then press ◁ / ▷.
   On these adjustment menus, you can do the following:
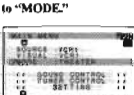
   For 3D-PHONIC (3D ACTION, 3D THEATER):
   "DSP EFFECT": Select the effect level.

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For DAP (LIVE CLUB, DANCE CLUB, HALL, PAVILION):
"REAR L LEVEL": Adjust the left rear speaker output level. *
"REAR R LEVEL": Adjust the right rear speaker output level. *
"DSP EFFECT": Select the effect level.
For Dolby Pro Logic:
"TEST TONE": Output a test tone.
"CENTER LEVEL": Adjust the center speaker output level. **
"REAR L LEVEL": Adjust the left rear speaker output level. *
"REAR R LEVEL": Adjust the right rear speaker output level. *
"CENTER TONE": Select the center tone level. **
For Dolby Digital and DTS Digital Surround:
"TEST TONE": Output a test tone.
"CENTER LEVEL": Adjust the center speaker output level. **
"REAR L LEVEL": Adjust the left rear speaker output level. *
"REAR R LEVEL": Adjust the right rear speaker output level. *
"CENTER TONE": Select the center tone level. **
For JVC Theater Surround:
"TEST TONE": Output a test tone.
"CENTER LEVEL": Adjust the center speaker output level. **
"REAR L LEVEL": Adjust the left rear speaker output level. *
"REAR R LEVEL": Adjust the right rear speaker output level. *
"CENTER TONE": Select the center tone level. **
"DSP EFFECT": Select the effect level.

Notes:
* Not displayed when "REAR SPK" is set to "NONE" (see page 14).
** Not displayed when "CENTER SPK" is set to "NONE" (see page 14).

7. When you finish, press EXIT repeatedly until the menu disappears from the TV.

Adjusting the DVD MULTI Playback Mode
(Also see page 31)
1. Press MENU.
   The MAIN MENU appears on the TV.
   • Pressing one of the △ / ▽ / ◁ / ▷ buttons also displays the MAIN MENU.
2. Press △ / ▽ to move ⊙ to "SOURCE."
3. Press ◁ / ▷ to select "DVD MULTI."
4. Press △ / ▽ to move ⊙ to "SOUND CONTROL," then press ◁ / ▷.
   The SOUND CONTROL menu appears.
5. Press △ / ▽ to move ⊙ to "SURROUND LEVEL," then press ◁ / ▷.
   The SURROUND LEVEL menu appears.

6. Press △ / ▽ to move ⊙ to the item you want to set or adjust, then press ◁ / ▷.
   On this adjustment menu, you can do the following:
   "CENTER LEVEL": Adjust the center speaker output level.
   "REAR L LEVEL": Adjust the left rear speaker output level.
   "REAR R LEVEL": Adjust the right rear speaker output level.
   "CENTER TONE": Select the center tone level.
7. When you finish, press EXIT repeatedly until the menu disappears from the TV.

Selecting Your Favorite SEA Mode
(Also see page 21)
1. Press MENU.
   The MAIN MENU appears on the TV.
   • Pressing one of the △ / ▽ / ◁ / ▷ buttons also displays the MAIN MENU.
2. Press △ / ▽ to move ⊙ to "SOUND CONTROL," then press ◁ / ▷.
   The SOUND CONTROL menu appears.
3. Press △ / ▽ to move ⊙ to "SEA," then press ◁ / ▷.
   The SEA menu appears.
4. Press △ / ▽ to move ⊙ to "SEA MODE."
5. Press ◁ / ▷ to select the SEA mode you want.
6. When you finish, press EXIT repeatedly until the menu disappears from the TV.
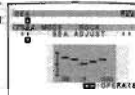
Creating Your Own SEA Mode
(Also see page 21)
1. Press MENU.
   The MAIN MENU appears on the TV.
   • Pressing one of the △ / ▽ / ◁ / ▷ buttons also displays the MAIN MENU.
2. Press △ / ▽ to move ⊙ to "SOUND CONTROL," then press ◁ / ▷.
   The SOUND CONTROL menu appears.
3. Press △ / ▽ to move ⊙ to "SEA," then press ◁ / ▷.
   The SEA menu appears.

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4. Press △ / ▽ to move ⊙ to "SEA ADJUST."
   The SEA ADJUST menu appears.
5. Press △ / ▽ / ◁ / ▷ to adjust the SEA mode as you want.
   ◁ / ▷ : Select the frequency ranges.
   △ / ▽ : Adjust the frequency levels.
6. Press SET to store the setting into the SEA USERMODE.
   • If you press EXIT, without pressing SET in this step, you can return to the SEA menu. (The adjustment you have made is active but not stored.)
7. When you finish, press EXIT repeatedly until the menu disappears from the TV.

Setting the Basic Setting Items (Also see pages 13 – 17)
1. Press MENU.
   The MAIN MENU appears on the TV.
   • Pressing one of the △ / ▽ / ◁ / ▷ buttons also displays the MAIN MENU.
2. Press △ / ▽ to move ⊙ to "SETTING," then press ◁ / ▷.
   The SETTING 1 or SETTING 2 menu appears.
3. Press △ / ▽ to move ⊙ to the item you want to set or adjust, then press ◁ / ▷.
   • To go to the SETTING 2 menu, move ⊙ to "NEXT PAGE," then press ◁ / ▷.
   • To go back to the SETTING 1 menu, move ⊙ to "PREVIOUS PAGE," then press ◁ / ▷.

   On the SETTING 1 and 2 menus, you can do the following:
   "SUBWOOFER": Set the subwoofer information (see page 14).
   "FRONT SPK": Set the front speaker information (see page 14).
   "CENTER SPK": Set the center speaker information (see page 14).
   "REAR SPK": Set the rear speaker information (see page 14).
   "CNTR DELAY": Adjust the delay time of the center speaker output (see page 14). *
   "REAR DELAY": Adjust the delay time of the rear speaker output (see page 14). **
   "CROSSOVER": Set the crossover frequency (see page 15).

   "LFE ATT.": Set the low frequency effect attenuator level (see page 15).
   "COMP.": Set the dynamic range compression (see page 15).
   "COAX. IN": Set the digital input terminal 1 (see page 16).
   "OPT. IN": Set the digital input terminal 2/3/4 (see page 16).
   "FL DISP.": Shows the disc text information on the display (see page 17).

Notes:
* Not adjustable when "CENTER SPK" is set to "NONE" (see page 14).
** Not adjustable when "REAR SPK" is set to "NONE" (see page 14).

4. When you finish, press EXIT repeatedly until the menu disappears from the TV.

Operating the Tuner (Also see pages 19 and 20)
1. Press MENU.
   The MAIN MENU appears on the TV.
   • Pressing one of the △ / ▽ / ◁ / ▷ buttons also displays the MAIN MENU.
2. Press △ / ▽ to move ⊙ to "TUNER CONTROL," then press ◁ / ▷.
   The TUNER CONTROL menu appears.
3. Press △ / ▽ to move ⊙ to the item you want to set or adjust, then press ◁ / ▷.
   On the TUNER CONTROL menu, you can do the following:
   "PRESET CH": Select a preset channel station.
   "BAND": Select the band.
   "FREQUENCY": Tune in a station manually.
   "FM MODE": Select the FM reception mode.
   "PRESET MEMORY": See "Storing the Preset Stations" on the next page.

Note:
* Not displayed when AM station is selected.

4. When you finish, press EXIT repeatedly until the menu disappears from the TV.

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Storing the Preset Stations (Also see page 19)
1. Press MENU.
   The MAIN MENU appears on the TV.
   • Pressing one of the △ / ▽ / ◁ / ▷ buttons also displays the MAIN MENU.
2. Press △ / ▽ to move ⊙ to "TUNER CONTROL," then press ◁ / ▷.
   The TUNER CONTROL menu appears.
3. Tune into a station on the TUNER CONTROL menu, referring to "Operating the Tuner" on the previous page.
4. Press △ / ▽ to move ⊙ to "PRESET MEMORY," then press ◁ / ▷.
   The PRESET MEMORY menu appears.
5. Press ◁ / ▷ to select a preset station number you want.
6. Press SET to store the setting.
7. When you finish, press EXIT repeatedly until the menu disappears from the TV.

Assigning Names to Preset Stations
(Also see page 20)
1. Press MENU.
   The MAIN MENU appears on the TV.
   • Pressing one of the △ / ▽ / ◁ / ▷ buttons also displays the MAIN MENU.
2. Press △ / ▽ to move ⊙ to "TUNER CONTROL," then press ◁ / ▷.
   The TUNER CONTROL menu appears.
3. Press △ / ▽ to move ⊙ to "PRESET CH."
4. Press ◁ / ▷ to select a preset station.
5. Press △ / ▽ to move ⊙ to "PRESET MEMORY," then press ◁ / ▷.
   The PRESET MEMORY menu appears.

6. Press △ / ▽ to move ⊙ to "PRESET NAME," then press SET.
   The character entry screen appears.
7. Press △ / ▽ / ◁ / ▷ to move ⊙ in front of a character you want.
   You can also select the following:
   To enter space
   To erase the character
   To go back to the previous character position or go to the next character position
8. Press SET to enter the selected character.
9. Repeat steps 7 and 8 to enter up to four characters.
10. Press △ / ▽ / ◁ / ▷ to move ⊙ to "PRESET NAME," then press SET to store the setting.
    The TUNER CONTROL menu appears again.
11. When you finish, press EXIT repeatedly until the menu disappears from the TV.
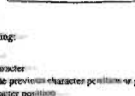
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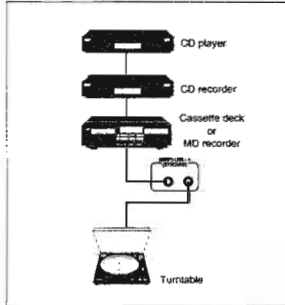# COMPU LINK Remote Control System

The COMPU LINK remote control system allows you to operate JVC audio components through the remote sensor on this receiver.

To use this remote control system, you need to connect JVC audio components through the COMPU LINK jacks (see below) in addition to the connections using cables with RCA pin plugs (see pages 5 and 6).

• Make sure that the AC power cords of these components are unplugged before connection. Plug the AC power cords only after all connections are complete.

CD player

CD recorder

Cassette deck or MD recorder

Turntable

Notes:

• There are four versions of COMPU LINK remote control system. This receiver is equipped with the fourth version — COMPU LINK-4. This version is added systematic operations with the CD recorder to the previous version — COMPU LINK-3.

• If your audio component has two COMPU LINK jacks, you can use either one. If it has only one COMPU LINK jack, connect it so that it is the last item in the series of components. (For example, the turntable or CD player in the diagram above.)

• To operate the cassette deck or MD recorder using the COMPU LINK remote control system, set the source name correctly. (See page 13.)

• Refer also to the manuals supplied with your audio components.

This remote control system allows you to use four functions listed below.

Remote Control through the Remote Sensor on the Receiver

You can control the connected audio components through the remote sensor on the receiver using this remote control. Aim the remote control directly at the remote sensor on the receiver. For details, see pages 46 and 47.

Automatic Source Selection

When you press the play (▶) button on a connected component or on its own remote control, the receiver automatically turns on and changes the source to the component. On the other hand, if you select a new source on the receiver or on the remote control, the selected component begins playing immediately.

In both cases, the previously selected source continues playing without sound for a few seconds.

Automatic Power On/Off (Standby): only possible with the COMPU LINK-3 and COMPU LINK-4 connection

The connected components turn on and off (standby) along with the receiver.

When you turn on the receiver, one of the connected components will turn on automatically, depending on which component has been previously selected.

When you turn off the receiver, the connected components will turn off (standby).

Synchronized Recording

Synchronized recording means the cassette deck (or MD recorder) starts recording as soon as a CD or a record begins playing.

• When using a CD recorder for synchronized recording, refer to the manual supplied with it.

To use synchronized recording, follow these steps:

1. Put a tape in the cassette deck (or an MD in the MD recorder), and a disc in the CD player (or a record on the turntable).

2. Press the record (●) button and the pause (II) button on the cassette deck (or MD recorder) at the same time.

This puts the cassette deck (or MD recorder) into recording pause.

If you do not press the record (●) button and pause (II) button at the same time, the synchronized recording feature will not operate.

3. Press the play (▶) button on the CD player or on the turntable.

The source changes on the receiver, and as soon as play starts, the cassette deck (or MD recorder) starts recording. When the play ends, the cassette deck (or MD recorder) enters recording pause, and stops about 4 seconds later.

Notes:

• During synchronized recording, the selected source cannot be changed.

• If the power of any component is shut off during synchronized recording, the COMPU LINK remote control system may not operate properly. In this case, you must start again from the beginning.

TEXT COMPU LINK Remote Control System

The TEXT COMPU LINK remote control system has been newly developed to deal with the disc information recorded in the CD Text™ and MDs. Using these information in the discs, you can operate the CD player or MD recorder equipped with the TEXT COMPU LINK remote control system through the receiver.

CONNECTIONS:

To use this remote control system, you need to connect the CD player and/or MD recorder you want to operate, following the procedures below.

1. If you have already plugged your CD player, MD recorder, and this receiver into the AC outlets, unplug their AC power cords first.

2. Connect your CD player, MD recorder, and this receiver as follows, through the COMPU LINK jacks and TEXT COMPU LINK jacks.

   1) COMPU LINK jacks: Use the cables with the monaural mini-plugs (not supplied with this receiver).

   CD player
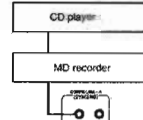
   MD recorder

   2) TEXT COMPU LINK jacks: Use the cables with the stereo mini-plugs (not supplied with this receiver).

   CD player
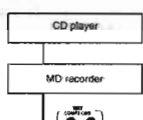
   MD recorder

3. Connect your CD player, MD recorder and this receiver, using the cables with RCA pin plugs (see pages 5 and 6).

4. Plug the AC power cords of these components above into the AC outlets.

5. When turning on these components for the first time, turn on the connected components first, then turn on this receiver.

FUNCTIONS:

This remote control system allows you to use the functions listed below.

Displaying the Disc Information on the TV screen

Disc information such as its performer and disc title (and track titles only when a CD Text is selected) is shown on the TV screen.

Disc Search: Only for CD Player

This remote control system can allow you to search discs by the performer, disc title, and music genre.

With this disc search, you can easily find the disc you want to play.

Disc Title Input:

If your CD player or MD recorder has the disc memory function, you can input the following information about the normal audio CDs or MDs on the TV screen.

• For CDs: Performer, disc title, and music genre.

• For MDs: Disc title and song title.

"What is a CD Text?"

In a CD Text, some information about the disc (its disc title, performer, composer, arranger, etc.) is recorded.

Notes:

• If your audio component has two COMPU LINK jacks, you can use either one. If it has only one COMPU LINK jack, connect it so that it is the last item in the series of components. (For example, the CD player in the diagram to the left.)

• If your audio component has two TEXT COMPU LINK jacks, you can use either one. If it has only one TEXT COMPU LINK jack, connect it so that it is the last item in the series of components. (For example, the CD player in the diagram to the left.)

• "TEXT COMPULINK SOURCE NOT CONNECTED" appears on the display in the following cases:
   – When the connections explained to the left are not correctly done.
   – When you try to use the TEXT COMPULINK function a few seconds after you turn on the connected equipment. This is not a malfunction of the units.

• Refer also to the manuals supplied with your CD player or MD recorder.

IMPORTANT:

If you turn on the receiver before turning on the other components after connecting the components, the TEXT COMPU LINK remote control system does not work correctly.

If this happens:

1. Turn off all the components including this receiver.
2. Turn on the connected components.
3. Turn on this receiver.

OPERATIONS

To use this remote control system, you need to connect the TV to the MONITOR OUT jack on the rear panel (see page 7), and set the TV's input mode to the proper position to which the receiver is connected. **Make sure you have connected the CD player or MD recorder equipped with the TEXT COMPU LINK remote control system. If not, you cannot use the following functions.**
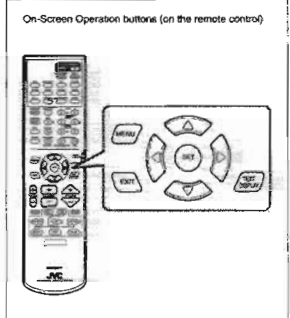
On-Screen Operation buttons (on the remote control)
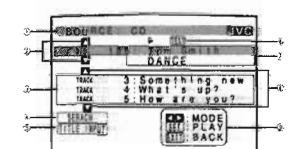
② Source name: CD or MD

③ Select ◀ or ▶, then press SET to change the disc.

④ Track numbers and track titles.
   • The current playing (selected) track is indicated in yellow.
   • When you move ☞ to a track number, you can change the track information by pressing ◀ / ▶. Each time you press the button, track information alternates between its track title and its performer. (You can also start playing the track by pressing SET.)

⑤ Select this (move ☞ in front), then press SET to go to the DISC SEARCH screen (see page 41).

⑥ Select this (move ☞ in front), then press SET to go to the TITLE INPUT screen (see page 42).

⑦ This appears only when a CD Text is selected.

⑧ Disc information such as the disc title, performer, and music genre.
   When this is selected (☞ in front), you can change the disc information by pressing ◀ / ▶. Each time you press the button, disc information (see "Note on ⑦") changes.

⑨ Select ◀ or ▶, then press SET to change the track.

⑩ Usable buttons and their functions for the current selection.
   Indication here will be changed according to what is currently selected (☞ in front) on the screen. See "Note on ⑨".

Note on ⑧:

The following information will appear on the display:

• For CD Texts → Disc title, Performer, Genre, Song writer, Composer, Arranger, Message
   Only recorded information will be shown. If there is no data, "NO DATA" will appear.

• For MDs → Disc title
   If there is no data, "NO DATA" will appear.

Note on ⑨:

For example, the SET button will be used to start play (PLAY), to go to the next screen (ENTER), and to determine the selection (ENTER).

To exit from the Disc information screen:

Press EXIT.

Notes:

• The on-screen display will disappear in the following cases:
   – if no operation is done for about 10 minutes.
   – if you do any operation other than explained in this section.

• To control the MD recorder using the TEXT COMPU LINK remote control system, you have to change the source name shown on the display from "TAPE" to "MD" (see page 13).

• Some special characters and marks cannot be displayed correctly.

Showing the Disc Information on the TV Screen

Press TEXT DISPLAY while "CD" or "MD" is selected as the source.

The Disc Information screen appears on the TV.

Searching for a Disc (Only for the CD player)

Search for a disc by its performer:

1. Press TEXT DISPLAY while "CD" is selected as the source.
   The Disc Information screen appears on the TV.

2. Press △ / ▽ to move ☞ to "SEARCH," then press SET.
   The DISC SEARCH screen appears.

3. Press △ / ▽ to move ☞ to "PERFORMER", then press SET.
   The PERFORMER SEARCH screen appears.

4. Press △ / ▽ / ◀ / ▷ to move ☞ in front of the first character of the performer you want to search, then press SET.
   To correct the incorrect entry, press △ / ▽ / ◀ / ▷ to move ☞ in front of the correct character, then press SET.

Note:
Symbols such as @, # or $ cannot be available for search.

5. Press SET again.
   Disc search starts, then the SEARCH RESULT screen, showing the performers, appears.

6. On the SEARCH RESULT screen, you can do the following:

   • Changing the indication of the disc information: Press △ / ▽ to move ☞ to a searched disc, then press ◀ / ▷. Each time you press ◀ / ▷, the disc information alternates between its performer and its disc title.

   • Starting a disc play and going to the Disc Information screen (see page 40): Press △ / ▽ to move ☞ to a searched disc, then press SET.

   • Showing unseen disc information (if more than 5 discs are listed as a result of the search): Press △ / ▽ until they appear.

   • Going back to the PERFORMER SEARCH screen: Press EXIT.

Search for a disc by its disc title:

1. Press TEXT DISPLAY while "CD" is selected as the source.
   The Disc Information screen appears on the TV.

2. Press △ / ▽ to move ☞ to "SEARCH," then press SET.
   The DISC SEARCH screen appears.

3. Press △ / ▽ to move ☞ to "DISC TITLE, then press SET.
   The DISC TITLE SEARCH screen appears.

4. Press △ / ▽ / ◀ / ▷ to move ☞ in front of the first character of the disc title you want to search, then press SET.
   To correct the incorrect entry, press △ / ▽ / ◀ / ▷ to move ☞ in front of the correct character, then press SET.

Note:
Symbols such as @, # or $ cannot be available for search.

5. Press SET again.
   Disc search starts, then the SEARCH RESULT screen, showing the disc titles, appears.

6. On the SEARCH RESULT screen, you can do the following:

   • Changing the indication of the disc information: Press △ / ▽ to move ☞ to a searched disc, then press ◀ / ▷. Each time you press ◀ / ▷, the disc information alternates between its disc title and its performer.

   • Starting a disc play and going to the Disc Information screen (see page 40): Press △ / ▽ to move ☞ to a searched disc, then press SET.

   • Showing unseen disc information (if more than 5 discs are listed as a result of the search): Press △ / ▽ until they appear.

   • Going back to the DISC TITLE SEARCH screen: Press EXIT.

Search for a disc by its genre:

1. Press TEXT DISPLAY while "CD" is selected as the source.
   The Disc Information screen appears on the TV.
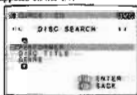
2. Press △ / ▽ to move ↻ to "SEARCH," then press SET.
   The DISC SEARCH screen appears.
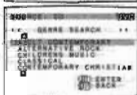
3. Press △ / ▽ to move ↻ to "GENRE," then press SET.
   The GENRE SEARCH screen appears.
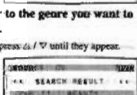
4. Press △ / ▽ to move ↻ to the genre you want to search, then press SET.
   To show the unseen genres, press △ / ▽ until they appear.
   Disc search starts, then the SEARCH RESULT screen, showing the disc titles, appears.
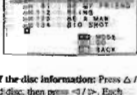
5. On the SEARCH RESULT screen, you can do the following:
   - Changing the indication of the disc information: Press △ / ▽ to move ↻ to a searched disc, then press ◁ / ▷. Each time you press ◁ / ▷, the disc information alternates between its disc title and its performer.
   - Starting a disc play and going to the Disc Information screen (see page 40): Press △ / ▽ to move ↻ to a searched disc, then press SET.
   - Showing unseen disc information (if more than 5 discs are listed as a result of the search): Press △ / ▽ until they appear.
   - Going back to the GENRE SEARCH screen: Press EXIT.

■ Entering the Disc Information

For the CD Player with the disc memory function:

You can use the disc memory function through this receiver.
The disc information (its performer, disc title, and music genre) of normal audio CDs will be stored into the memory built in the CD player.
For the disc memory function, refer to the manual supplied with your CD player.
- The performer, disc title, and music genre information are usually recorded in a CD Text. However, if a CD Text has no genre information recorded in the disc itself, you can input its music genre by yourself.

Note:
You can enter the TITLE INPUT screens for a CD Text and inputs its titles. However, you cannot store the titles you have input for a CD Text.

Example: Entering the following information for Disc 1
Performer: "MICHAEL"
Disc title: "MY FAVORITE"

1. Press TEXT DISPLAY while "CD" is selected as the source.
   The Disc Information screen appears on the TV.

2. Press △ / ▽ to move ↻ to "TITLE INPUT," then press SET.
   The TITLE INPUT: PERFORMER screen appears.

3. Press △ / ▽ / ◁ / ▷ to move ↻ in front of a character you want, then press SET to enter the character.
   - If the current CD is a CD Text, go to step 5 without entering the disc title.
   To use the lower case letters, press △ / ▽ / ◁ / ▷ to move ↻ to [   ], then press SET.
   To use the upper case letters again, press △ / ▽ / ◁ / ▷ to move ↻ to [   ], then press SET.

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4. Repeat step 3 until you finish putting a performer name (up to 32 characters).
   To insert a space, press △ / ▽ / ◁ / ▷ to move ↻ to [   ], then press SET.
   To correct an incorrect character:
   1) Press △ / ▽ / ◁ / ▷ to move ↻ by ← or →, then press SET until the incorrect character is selected.
   2) Press △ / ▽ / ◁ / ▷ to move ↻ to [   ], then press SET to erase the character.
   3) Press △ / ▽ / ◁ / ▷ to move ↻ in front of the correct character, then press SET to enter the correct character.

5. Press △ / ▽ / ◁ / ▷ to move ↻ to "DISC 1: MICHAEL (in this example)," then press SET.
   The TITLE INPUT: DISC TITLE screen appears.

6. Enter the disc title, referring to steps 3 and 4.
   - If the current CD is a CD Text, go to the next step without entering the disc title.

7. Press △ / ▽ / ◁ / ▷ to move ↻ to "DISC 1: MY FAVORITE (in this example)," then press SET.
   The TITLE INPUT: DISC 1 GENRE screen appears.

8. Press △ / ▽ to move ↻ to the genre you want, then press SET.
   The Disc Information screen appears again.
   To show the unseen genres, press △ / ▽ until they appear.
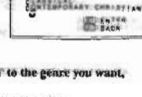
For the MD recorder:

You can write the disc information (disc title and song titles) into the disc. You can only write the song title for the song currently selected.
- If you have the CD-MD combination deck, you can also enter the disc information (its performer, disc title, and its music genre) of normal audio CDs into the memory built in the CD-MD combination deck. (To do this, follow the procedure of "For the CD Player with the disc memory function" to the left.)
- If you change the disc or song title with more than 32 characters, the characters following 32nd will be erased from the title.

1. Press TEXT DISPLAY while "MD" is selected as the source.
   The Disc Information screen appears on the TV.
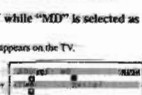
2. Press △ / ▽ to move ↻ to "TITLE INPUT," then press SET.
   The TITLE INPUT screen appears.

3. Enter the title, referring to steps 3 and 4 of "For the CD Player with the disc memory function" to the left.
   - You can enter up to 32 characters for the disc title.

4. Press △ / ▽ / ◁ / ▷ to move ↻ to the disc title you have just entered, then press SET.
   The disc title is stored into the memory, and the SONG TITLE INPUT screen for the currently selected song appears.
   - You can enter a song title for the song currently selected (indicated in yellow on the TV screen).

5. Enter the song title, referring to steps 3 and 4 of "For the CD Player with the disc memory function" to the left.
   - You can enter up to 32 characters for the song title.
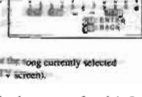
6. Press △ / ▽ / ◁ / ▷ to move ↻ to the song title you have just entered, then press SET.
   The song title is stored into the memory, and the Disc Information screen appears again.
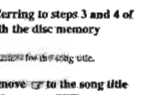
■ AV COMPU LINK Remote Control System

The AV COMPU LINK remote control system allows you to operate JVC video components (TV, VCR, and DVD player) through the receiver.

To use this remote control system, you need to connect the video components you want to operate, following the diagrams below and the procedure on the next page.

CONNECTIONS 1:

CAUTION:
The AV COMPU LINK remote control system can only control the video components connected to the D35 tuner connected to the TV SOUND/DBS jacks, and video component connected to the VIDEO and CDR/VCR 2 jacks on the rear panel.

IMPORTANT:
Connect to the terminal indicated in the illustration.
DO NOT connect to the TV terminal.

If the AV COMPU LINK terminal on the TV is "RECEIVER/AMP"

If the AV COMPU LINK terminal on the TV is "AV COMPU LINK EX"

Notes:
- When connecting only the VCR 1 or DVD player to this receiver, connect it directly to the receiver using the monaural mini-plugs.
- Refer also to the manual supplied with your video components.

CONNECTIONS 2:

CASE1: If the components are equipped with the S-video terminals

CASE2: If the components are not equipped with the S-video terminals

CASE3: If only the VCR is equipped with the S-video terminal

CASE4: If only the DVD player is equipped with the S-video terminal

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1. If you have already plugged your VCR 1 (VCR connected to the VCR 1 jacks), DVD player, TV, and this receiver into the AC outlets, unplug their AC power cords.

2. Connect your VCR 1, DVD player, TV, and this receiver as follows, using the cables with the monaural mini-plug (not supplied).
   - See "CONNECTIONS 1" on the previous page.

3. Connect the audio input/output jacks on VCR 1, DVD player, TV, and this receiver using the cables with RCA pin plug.
   - See pages 6 and 7.

4. Connect the video input/output jacks on VCR 1, DVD player, TV, and this receiver, using the cables with RCA pin plug or with S-video plug.
   - See "CONNECTIONS 2" on the previous page.

5. Plug the AC power cords of the components into the AC outlets.

6. When turning on the TV for the first time after the AV COMPU LINK connection, turn the TV volume to the minimum using the TV volume control on the TV.

7. Turn on the other connected components first, then turn on this receiver.
   - When turning on the VCR 1, use the remote control supplied with this receiver, press VCR 1 POWER.

The AV COMPU LINK remote control system allows you to use the five basic functions listed below.

■ Remote Control of the TV, DVD player, and VCR Using This Remote Control

See page 48 for details.
For the DVD player and the VCR:
- Aim the remote control directly at the remote sensor on each component.
For the TV having AV COMPU LINK terminal "RECEIVER/AMP":
- Aim the remote control directly at the remote sensor on the receiver.
For the TV having AV COMPU LINK terminal "AV COMPU LINK EX":
- Aim the remote control directly at the remote sensor on the TV.

■ One-Touch Video Play

Simply by inserting a video cassette without its safety tab, you can enjoy the video playback without setting anything manually. The receiver automatically turns on and changes the source to "VCR 1." The TV automatically turns on and changes the input mode to the position so that you can view the playback picture.
When you insert a video cassette with its safety tab, press the play button on the VCR 1 or on the remote control. So, you can get the same result.

■ One-Touch DVD Play

Simply by starting playback on the DVD player, you can enjoy the DVD playback without setting other anything manually.
- When the DVD player is connected through the analog input jacks on this receiver (and analog input is selected), the receiver automatically turns on and changes the source to "DVD" or "DVD MULTI."
- When the DVD player is connected through the digital input terminal on this receiver (and digital input is selected), the receiver automatically turns on and changes the source to "DVD DIGITAL."
The TV automatically turns on and changes the input mode to the position so that you can view the playback picture.

■ Automatic Selection of TV's Input Mode

- When you select "TV SOUND" (or "TV DIGITAL") as the source to play on the receiver, the TV automatically changes the input mode to the TV tuner so that you can watch TV.
- When you select "CDR/VCR 2" as the source to play on the receiver, the TV automatically changes the input mode to the Video Input 2 so that you can watch the playback picture.
- When you select "DVD" (or "DVD DIGITAL," "DVD MULTI," "VCR 1," "VIDEO" or "DBS" (or "DBS DIGITAL")) as the source to play on the receiver, the TV automatically changes the input mode to the appropriate position (either Video Input 1 or Video Input 2) so that you can view the playback picture.

Note:
When you select "TV SOUND" (or "TV DIGITAL") as the source on the receiver, you cannot see the menu on the TV screen since the AV COMPU LINK remote control system automatically changes the TV's input mode to the TV tuner.
If you do not like the TV's input mode changing to the TV sounds, you can then show the on-screen menu after changing the TV's input mode to the appropriate position (either Video Input 1 or Video Input 2) the receiver is connected to.

■ Automatic Power On/Off

The TV, VCR 1 (the VCR connected to the VCR 1 jacks), and DVD player turn on and off along with the receiver.
When you turn on the receiver:
- If the previously selected source is "VCR 1," the TV and VCR 1 will turn on automatically.
- If the previously selected source is "VIDEO," "CDR/VCR 2," "TV SOUND" (or "TV DIGITAL") or "DBS" (or "DBS DIGITAL"), only the TV will turn on automatically.
- If the previously selected source is "DVD" (or "DVD DIGITAL," or "DVD MULTI," the TV and DVD player will turn on automatically.
When you turn off the receiver, the TV, VCR 1 and the DVD player will turn off.

Note:
If you start the receiver while recording on the VCR 1, the VCR 1 will not turn off but continue recording.

■ Operating JVC's Audio/Video Components

You can operate JVC's audio and video components with this receiver's remote control, since control signals for JVC components are preset in the remote control.

Operating Audio Components

IMPORTANT:

To operate JVC's audio components using this remote control:
- You need to connect JVC audio components through the COMPU LINK jacks (see page 38) in addition to the connections using cables with RCA pin plugs (see pages 5 and 6).
- Aim the remote control directly at the remote sensor on the receiver.
- If you use the buttons on the front panel or the menu function to choose a source, the remote control will not operate that source. To operate a source with the remote control, the source must be selected using source selecting buttons on the remote control.
- To operate the cassette deck or MD recorder using the COMPU LINK remote control system, set the source name correctly. (See page 13.)
- Refer also to the manuals supplied with your components.

Check to see if the remote control mode selector is set to the correct position.
To operate the audio system, TVs, VCRs, and DVD players, set it to "AUDIO/TV/VCR."

Tuner

You can always perform the following operations (with the remote control mode selector set to "AUDIO/TV/VCR"):

FM/AM: Alternates between FM and AM.

After pressing FM/AM (with the remote control mode selector set to "AUDIO/TV/VCR"), you can perform the following operations:

1 – 10, +10: Selects a preset channel number directly.
For channel number 5, press 5.
For channel number 15, press +10, then 5.
For channel number 20, press +10, then 10.

TUNING UP/TUNING DOWN: Tunes into stations.

FM MODE: Changes the FM reception mode.

Sound control section (Amplifier)

You can always perform the following operations (with the remote control mode selector set to "AUDIO/TV/VCR"):

SURROUND ON/OFF: Turns on or off the Surround modes – Dolby Pro Logic, Dolby Digital, and DTS Digital Surround.

SURROUND MODE: Selects the DSP modes.

After pressing SOUND (with the remote control mode selector set to "AUDIO/TV/VCR"), you can perform the following operations:

SEA MODE: Changes the SEA modes.
SUBWOOFER –/+: Adjusts the subwoofer output level.
CENTER –/+: Adjusts the center speaker output level.
REAR-L –/+: Adjusts the left rear speaker output level.
REAR-R –/+: Adjusts the right rear speaker output level.
EFFECT: Selects the effect level.
TEST: Turns on or off the test tone output.
CNTR TONE: Selects the center tone.

Note:
After adjusting sounds, press the corresponding source selecting button or CD-DISC to operate your target source by using the 10 keys; otherwise, the 10 keys cannot be used for operating your target source.

CD player

After pressing CD (with the remote control mode selector set to "AUDIO/TV/VCR"), you can perform the following operations on the CD player:

PLAY: Starts playing.
I◀◀: Returns to the beginning of the current (or previous) track.
▶▶I: Skips to the beginning of the next track.
STOP: Stops playing.
PAUSE: Pauses playing. To release it, press PLAY.
1 – 10, +10: Selects a track number directly.
For track number 5, press 5.
For track number 15, press +10, then 5.
For track number 20, press +10, then 10.
For track number 30, press +10, +10, then 10.
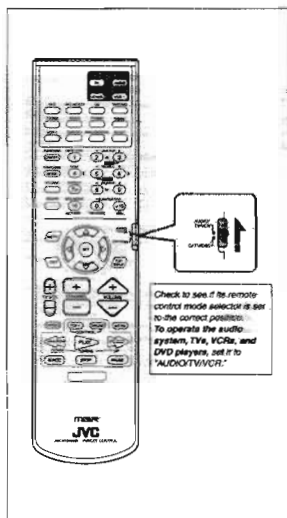
CD player-changer

After pressing CD-DISC (with the remote control mode selector set to "AUDIO/TV/VCR"), you can perform the following operations on a CD player-changer:

PLAY: Starts playing.
I◀◀: Returns to the beginning of the current (or previous) track.
▶▶I: Skips to the beginning of the next track.
STOP: Stops playing.
PAUSE: Pauses playing. To release it, press PLAY.
1 – 6, 7/P: Selects the number of a disc installed in a CD player-changer.

After pressing CD (with the remote control mode selector set to "AUDIO/TV/VCR"), you can perform the following operations on the CD player-changer:

1 – 10, +10: Selects a track number directly.
For track number 5, press 5.
For track number 15, press +10, then 5.
For track number 20, press +10, then 10.
For track number 30, press +10, +10, then 10.

If your CD changer is of 200-disc loading capability (except for XL-MC100 and XL-MC301), you can do the following operations using the number buttons after pressing CD.

1. Select a disc number.
2. Then select a track number (always enter two digits).
3. Start playback.

EXAMPLES:
- Selecting disc number 3, track number 2, and starting playback. Press 3, then 0, 2, then ▶.
- Selecting disc number 10, track number 5, and starting playback. Press 1, 0, then 0, 5, then ▶.
- Selecting disc number 105, track number 12, and starting playback. Press 1, 0, 5, then 1, 2 then ▶.

CD recorder

After pressing CDR/VCR 2 (with the remote control mode selector set to "AUDIO/TV/VCR"), you can perform the following operations on a CD recorder:

PLAY: Starts playing.
I◀◀: Returns to the beginning of the current (or previous) track.
▶▶I: Skips to the beginning of the next track.
STOP: Stops playing.
PAUSE: Pauses playing. To release it, press PLAY.
1 – 10, +10: Selects a track number directly.
For track number 5, press 5.
For track number 15, press +10, then 5.
For track number 20, press +10, then 10.
For track number 30, press +10, +10, then 10.

Note:
When you start recording on the CD recorder, use the buttons on the CD recorder itself or on the remote control supplied with it.

Turntable

After pressing PHONO (with the remote control mode selector set to "AUDIO/TV/VCR"), you can perform the following operations on a turntable:

PLAY: Starts playing.
STOP: Stops operations.

Cassette deck

After pressing TAPE/MD or TAPE/MD CONTROL (with the remote control mode selector set to "AUDIO/TV/VCR"), you can perform the following operations on a cassette deck:

PLAY: Starts playing.
◀◀: Fast winds the tape from right to left.
▶▶: Fast winds the tape from left to right.
STOP: Stops operations.
PAUSE: Pauses playing. To release it, press PLAY.
● REC: Press this button with the PLAY button to start recording.
Press this button with the PAUSE button to enter recording pause.

MD recorder

After pressing TAPE/MD or TAPE/MD CONTROL (with the remote control mode selector set to "AUDIO/TV/VCR"), you can perform the following operations on the MD recorder:

PLAY: Starts playing.
I◀◀: Returns to the beginning of the current (or previous) track.
▶▶I: Skips to the beginning of the next track.
STOP: Stops playing.
PAUSE: Pauses playing. To release it, press PLAY.
● REC: Press this button with the PLAY button to start recording.
Press this button with the PAUSE button to enter recording pause.

Note:
You can use either TAPE/MD button or the TAPE/MD CONTROL button to activate the buttons listed above. If you press TAPE/MD, the playing source also changes. On the other hand, if you press TAPE/MD CONTROL, the playing source does not change.

Operating Video Components

IMPORTANT:

To operate JVC's video components using this remote control:
- You need to connect JVC video components through the AV COMPU LINK terminals (see page 44) in addition to the connections using cables with RCA pin plugs (see pages 6 and 7).
- Some JVC VCRs can accept two types of the control signals — remote code "A" and "B." Before using this remote control, make sure that the remote control code of the VCR connected to the VCR 1 jacks is set to code "A."
- When using the remote control:
  - For the DVD player and VCR operations, aim the remote control directly at the remote sensor on each component, not on the receiver.
  - For the TV operations:
    - If the TV has the AV COMPU LINK terminal "RECEIVER/AMP," aim the remote control directly at the remote sensor on the receiver.
    - If the TV has the AV COMPU LINK terminal "AV COMPU LINK EX," aim the remote control directly at the remote sensor on the TV.

Check to see if the remote control mode selector is set to the correct position.
To operate the audio system, TVs, VCRs, and DVD players, set it to "AUDIO/TV/VCR."

VCR 1 (VCR connected to the VCR 1 jacks)

You can always perform the following operations (with the remote control mode selector set to "AUDIO/TV/VCR"):

VCR 1 POWER: Turns on or off the VCR 1.

After pressing VCR 1 or VCR 1 CONTROL (with the remote control mode selector set to "AUDIO/TV/VCR"), you can perform the following operations on the VCR:

1 – 9, 0: Selects the TV channels on VCR.
PLAY: Starts playing.
◀◀: Rewinds a tape.
▶▶: Fast winds a tape.
STOP: Stops operations.
PAUSE: Pauses playing. To release it, press PLAY.
● REC: Press this button with the PLAY button to start recording.
Press this button with the PAUSE button to enter recording pause.
CHANNEL +/–: Changes the TV channels on the VCR.

Note:
You can use either VCR 1 button or the VCR 1 CONTROL button to activate the buttons listed above. If you press VCR 1, the playing source also changes. On the other hand, if you press VCR 1 CONTROL, the playing source does not change.

DVD player

After pressing DVD or DVD MULTI (with the remote control mode selector set to "AUDIO/TV/VCR"), you can perform the following operations on a DVD player:

PLAY: Starts playing.
I◀◀: Returns to the beginning of the current (or previous) track.
▶▶I: Skips to the beginning of the next track.
STOP: Stops playing.
PAUSE: Stops playing temporarily. To release it, press PLAY.

After pressing DVD or DVD MULTI, these buttons can be used for the DVD menu operations.

Note:
For detailed menu operations, refer to the instructions supplied with the discs or the DVD player.

TV

You can always perform the following operations (with the remote control mode selector set to "AUDIO/TV/VCR"):

TV POWER: Turns on or off the TV.
TV VOL +/–: Adjusts the volume.
TV/VIDEO: Sets the input mode (either TV or VIDEO).

After pressing TV/DBS (with the remote control mode selector set to "AUDIO/TV/VCR"), you can perform the following operations on a TV:

CHANNEL +/–: Changes the channels.
1 – 9, 0, 100+: Selects the channels.
RETURN: Alternates between the previously selected channel and the current channel.
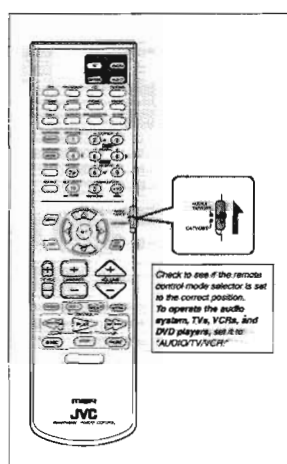
■ Operating Other Manufacturers' Video Equipment

This remote control supplied with the receiver can transmit control signals for other manufacturers' VCRs, TVs, DVD players, CATV converters and DBS tuners. By changing the transmittable signals from preset ones to the other manufacturers', you can operate the other manufacturer's components using this remote control.

When operating the other manufacturers' components, refer also to the manuals supplied with them. To operate these components with the remote control, first you need to set the manufacturer's code each for VCR, TV, DVD players, CATV converters, and DBS tuner.

Check to see if the remote control mode selector is set to the correct position.
To operate the audio system, TVs, VCRs, and DVD players, set it to "AUDIO/TV/VCR."
To operate the CATV converter and DBS tuner, set it to "CATV/DBS."

To change the transmittable signals for operating another manufacturer's TV

1. Set the remote control mode to "AUDIO/TV/VCR."
2. Press and hold TV POWER.
3. Press TV/DBS.
4. Enter manufacturer's code (two digits) using buttons 1–9, and 0.
   See the list below to find the code.
   Examples: For a JVC product, press 0, 1.
   For a SANYO product, press 1, 3.
5. Release TV POWER.
   The following buttons can be used for operating the TV (with the remote control mode selector set to "AUDIO/TV/VCR"):

TV POWER: Turns on and off the TV.
TV VOL +/–: Adjusts the volume.
TV/VIDEO: Sets the input mode (either TV or VIDEO).

After pressing TV/DBS (with the remote control mode selector set to "AUDIO/TV/VCR"), you can perform the following operations on a TV:

CHANNEL +/–: Changes the channels.
1 – 10, 0, 100+ (+10): Selects the channels.
The 100+ (+10) button will function as the ENTER button if your TV requires pressing ENTER after selecting a channel number.

Note:
Refer to the manual supplied with your TV.

6. Try to operate your TV by pressing TV POWER.
When your TV turns on or off, you have entered the correct code.
If there are more than one code listed for your brand of TV, try each one until the correct one is entered.

Manufacturer	Code	Manufacturer	Code
JVC	01	SAMSUNG	12
HITACHI	10	SANYO	13
MAGNAVOX	02	SHARP	06
MITSUBISHI	03	SONY	07
PANASONIC	04, 11	TOSHIBA	08
RCA	05	ZENITH	09

Manufacturers' codes are subject to change without notice. If they are changed, this remote control cannot operate the equipment.

RX-8000VBK

To change the transmittable signals for operating a CATV converter

1. Set the remote control mode to "CATV/DBS."
2. Press and hold CATV/DBS POWER.
3. Press TV/DBS.
4. Enter manufacturer's code (two digits) using buttons 1–9, and 0.
   See the list below to find the code.
   Examples: For an RCA product, press 1, 9.
   For a SONY product, press 2, 0.
5. Release CATV/DBS POWER.
   After setting the remote control mode selector to "CATV/DBS," you can perform the following operations on the CATV converter:

CATV/DBS POWER	Turns on and off the CATV converter.
CHANNEL +/–	Changes the channels.
1 – 10, 0, 100+ (+10)	Selects the channels. The 100+ (+10) button will function as the ENTER button if your equipment requires pressing ENTER after selecting a channel number.

   Notes:
   • Refer to the manual supplied with your CATV converter.
   • You cannot set the remote control mode selector both for the CATV converter and the DBS tuner at the same time.

6. Try to operate your CATV converter by pressing CATV/DBS POWER.
   When your CATV converter turns on or off, you have entered the correct code.
   If there are more than one code listed for your brand of CATV converter, try each one until the correct one is entered.

Manufacturer	Codes
GI JERROLD	01, 02, 03, 04, 05, 06, 07, 08
HAMLIN/REGAL	15, 16, 17, 18
PIONEER	13, 14
RCA	19
SCIENTIFIC ATLANTA	09, 10
SONY	20
ZENITH	11, 12

   Manufacturers' codes are subject to change without notice. If they are changed, this remote control cannot operate the equipment.

To change the transmittable signals for operating a DBS tuner

1. Set the remote control mode to "CATV/DBS."
2. Press and hold CATV/DBS POWER.
3. Press TV/DBS.
4. Enter manufacturer's code (two digits) using buttons 1–9, and 0.
   See the list below to find the code.
   Examples: For a JVC product, press 2, 1.
   For an RCA, press 3, 9.
5. Release CATV/DBS POWER.
   After setting the remote control mode selector to "CATV/DBS," you can perform the following operations on the DBS tuner:

CATV/DBS POWER	Turns on and off the DBS tuner.
CHANNEL +/–	Changes the channels.
1 – 10, 0, 100+ (+10)	Selects the channels. The 100+ (+10) button will function as the ENTER button if your equipment requires pressing ENTER after selecting a channel number.

   Notes:
   • Refer to the manual supplied with your DBS tuner.
   • You cannot set the remote control mode selector both for the CATV converter and the DBS tuner at the same time.

6. Try to operate your DBS tuner by pressing CATV/DBS POWER.
   When your DBS tuner turns on or off, you have entered the correct code.

Manufacturer	Codes
JVC	21
ECHOSTAR	22
GI	23
HITACHI	24
HTS	25
HUGHES NETWORK SYSTEMS	26
PANASONIC	27
PRIME STAR	28
RCA	29, 30
SONY	31
TOSHIBA	32

   Manufacturers' codes are subject to change without notice. If they are changed, this remote control cannot operate the equipment.

To change the transmittable signals for operating another manufacturer's VCR

1. Set the remote control mode to "AUDIO/TV/VCR."
2. Press and hold VCR 1 POWER.
3. Press VCR 1.
4. Enter manufacturer's code (two digits) using buttons 1–9, and 0.
   See the list below to find the code.
   Example: For a JVC product, press 0, 1.
   For an NEC, press 2, 5.
5. Release VCR 1 POWER.
   The following button can be used for operating the VCR (with the remote control mode selector set to "AUDIO/TV/VCR"):

   VCR 1 POWER   Turns on and off the VCR.

   After pressing VCR 1 or VCR 1 CONTROL (with the remote control mode selector set to "AUDIO/TV/VCR"), you can perform the following operations on the VCR 1:

CHANNEL +/–	Changes the TV channels on the VCR.
1 – 10, 0, 100+ (+10)	Selects the TV channels. The 100+ (+10) button will function as the ENTER button if your VCR requires pressing ENTER after selecting a channel number.
PLAY	Starts playback.
◄◄	Rewinds a video tape.
►►	Fast winds a video tape.
STOP	Stops operation.
PAUSE	Pauses.
● REC:	Starts recording or enters recording pause.

   Notes:
   • Refer to the manual supplied with your VCR.
   • You can use either VCR 1 button or the VCR 1 CONTROL button to activate the buttons listed above. If you press VCR 1, the playing source also changes. On the other hand, if you press VCR 1 CONTROL, the playing source does not change.

6. Try to operate your VCR by pressing VCR 1 POWER.
   When your VCR turns on or off, you have entered the correct code.
   If there are more than one code listed for your brand of VCR, try each one until the correct one is entered.

Manufacturer	Codes	Manufacturer	Codes
JVC	01, 02, 03	PHILIPS	09
EMERSON	11, 26	RCA	05, 06
FISHER	29	SAMSUNG	24
FUNAI	10, 14, 15, 16	SANYO	21, 22, 23
GOLD STAR	12	SHARP	27, 28
HITACHI	04	SHINTOM	30
MITSUBISHI	13	SONY	18, 19, 20
NEC	25	ZENITH	08
PANASONIC	07, 17		

   Manufacturers' codes are subject to change without notice. If they are changed, this remote control cannot operate the equipment.

To change the transmittable signals for operating a DVD player

1. Set the remote control mode to "AUDIO/TV/VCR."
2. Press and hold VCR 1 POWER.
3. Press DVD.
4. Enter manufacturer's code (two digits) using buttons 1–9, and 0.
   See the list below to find the code.
   Examples: For a JVC product, press 0, 1.
   For a SONY product, press 0, 5.
5. Release VCR 1 POWER.
   After pressing DVD or DVD MULTI (with the remote control mode selector set to "AUDIO/TV/VCR"), you can perform the following operations on a DVD player:

PLAY:	Starts playing.
◄◄	Returns to the beginning of the current (or previous) track.
►►|	Skips to the beginning of the next track.
STOP:	Stops playing.
PAUSE:	Stops playing temporarily. To release it, press PLAY.

   After pressing DVD, these buttons can be used for the DVD menu operations.

   Note:
   For detailed menu operations, refer to the instructions supplied with the discs or the DVD player.
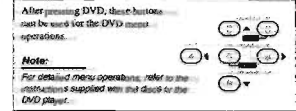
   Note:
   Refer to the manual supplied with your DVD player.

6. Try to operate your DVD player by pressing one of the above buttons.
   • DO NOT forget to turn on the DVD player before pressing one of the above buttons.

Manufacturer	Codes
JVC	01
PANASONIC	02
PHILIPS	07
PIONEER	03
SONY	05
TOSHIBA	04
YAMAHA	06

   Manufacturers' codes are subject to change without notice. If they are changed, this remote control cannot operate the equipment.

◼ Troubleshooting

Use this chart to help you solve daily operational problems. If there is any problem you cannot solve, contact your JVC service center.

PROBLEM	POSSIBLE CAUSE	SOLUTION
The display does not light up.	The power cord is not plugged in.	Plug the power cord into an AC outlet.
No sound from speakers.	Speaker signal cables are not connected.	Check speaker wiring and reconnect if necessary.
	The SPEAKERS 1 and 2 buttons are not set correctly.	Press SPEAKERS 1 and 2 correctly.
	An incorrect source is selected.	Select the correct source.
	Muting is activated.	Press MUTING to cancel the mute.
Sound from one speaker only.	Speaker signal cables are not connected properly.	Check speaker wiring and reconnect if necessary.
	The balance is set to one extreme.	Adjust the balance properly (see page 13).
Continuous hiss or buzzing during FM reception.	Incoming signal is too weak.	Connect an outdoor FM antenna or contact your dealer.
	The station is too far away.	Select a new station.
	An incorrect antenna is used.	Check with your dealer to be sure you have the correct antenna.
	Antennas are not connected properly.	Check connections.
Occasional crackling noise during FM reception.	Ignition noise from automobiles.	Move the antenna farther from automobile traffic.
No colors on the on-screen display.	The color system of the connected TV is not NTSC.	Connect an NTSC TV.
Howling during record playing.	Your turntable is too close to speakers.	Move speakers away from the turntable.
"OVERLOAD" starts flashing on the display.	Speakers are overloaded because of high volume.	1. Press POWER on the front panel to turn off the receiver. 2. Stop the playback source. 3. Turn on the receiver again, and adjust the volume.
	Speakers are overloaded because of short circuit of speaker terminals.	Press POWER on the front panel, then check the speaker wiring. If "OVERLOAD" does not disappear, unplug the AC power cord, then plug it back again. If speaker wiring is not short-circuited, contact your dealer.
Remote control does not work.	The remote control mode selector is not set correctly.	Set the selector correctly either to "AUDIO/TV/VCR" or to "CATV/DBS."
	There is an obstruction in front of the remote sensor on the receiver.	Remove the obstruction.
	Batteries are weak.	Replace batteries.

◼ Specifications

Amplifier

Output Power

At Stereo operation:

Front channels: **120 W per channel, min. RMS, driven into 8 Ω, 20 Hz to 20 kHz with no more than 0.02% total harmonic distortion.**

120 W per channel, min. RMS, driven into 4 Ω, 20 Hz to 20 kHz with no more than 0.08% total harmonic distortion.

At Surround operation:

Front channels: 100 W per channel, min. RMS, driven into 8 Ω at 1 kHz with no more than 0.8% total harmonic distortion.

Center channel: 100 W, min. RMS, driven into 8 Ω at 1 kHz, with no more than 0.8% total harmonic distortion.

Rear channels: 100 W per channel, min. RMS, driven into 8 Ω at 1 kHz, with no more than 0.8% total harmonic distortion.

Audio

Audio Input Sensitivity/Impedance (1 kHz):
PHONO (MM): 2.5 mV/47 kΩ
CD, TAPE/MD, TV SOUND/DBS, VCR 1, CDR/VCR 2, VIDEO, DVD: 200 mV/47 kΩ

Audio Input (DIGITAL IN)*:
Coaxial: DIGITAL 1 (DVD): 0.5 V(p-p)/75 Ω
Optical: DIGITAL 2 (CD), DIGITAL 3 (TV), DIGITAL 4 (CDR): –21 dBm to –15 dBm (660 nm ±30 nm)

*Corresponding to Linear PCM, Dolby Digital, and DTS Digital Surround (with sampling frequency — 32 kHz, 44.1 kHz, 48 kHz).

Audio Output Level: TAPE/MD, VCR 1, CDR/VCR 2: 200 mV

Digital output: Optical: DIGITAL OUTPUT
Signal wave length: 660 nm
Output level: –21 dBm to –15 dBm

Signal-to-Noise Ratio ('66 IHF/'78 IHF): PHONO: 70 dB/78 dB (at REC OUT)
CD, TAPE/MD, TV SOUND/DBS, VCR 1, CDR/VCR 2, VIDEO, DVD: 92 dB/80 dB

Frequency Response (8 Ω): PHONO: 20 Hz to 20 kHz (±1 dB)
CD, TAPE/MD, TV SOUND/DBS, VCR 1, CDR/VCR 2, VIDEO, DVD: 20 Hz to 100 kHz (+1 dB, –3 dB)

RIAA Phono Equalization: ±1.0 dB (20 Hz to 20 kHz)

Bass boost: +6 ±1.0 dB at 100 Hz (Volume control at –30 dB)

SEA: Center frequencies: 100 Hz, 1 kHz, 10 kHz
Control range: ±10 dB ±2 dB

Video

Video Input Sensitivity/Impedance:
Composite video: TV SOUND/DBS, VCR 1, CDR/VCR 2, VIDEO, DVD: 1 V(p-p)/75 Ω
S-video: TV SOUND/DBS, VCR 1, VIDEO, DVD:(Y: luminance): 1 V(p-p)/75 Ω
(C: chrominance, burst): 0.286 V(p-p)/75 Ω

Video Output Level:
Composite video: VCR 1, CDR/VCR 2, MONITOR OUT: 1 V(p-p)/75 Ω
S-video: VCR 1, MONITOR OUT: (Y: luminance): 1 V(p-p)/75 Ω
(C: chrominance, burst): 0.286 V(p-p)/75 Ω

Synchronization: Negative
Signal-to-Noise Ratio: 45 dB
On-Screen Color System: NTSC

FM tuner (IHF)

Tuning Range:	87.5 MHz to 108.0 MHz	
Usable Sensitivity:	Monaural:	12.8 dBf (1.2 µV/75 Ω)
50 dB Quieting Sensitivity:	Monaural:	21.3 dBf (3.2 µV/75 Ω)
	Stereo:	41.3 dBf (31.5 µV/75 Ω)
Signal-to-Noise Ratio (IHF-A weighted):	Monaural:	78 dB at 85 dBf
	Stereo:	73 dB at 85 dBf
Total Harmonic Distortion:	Monaural:	0.4% at 1 kHz
	Stereo:	0.6% at 1 kHz
Stereo Separation at REC OUT:	35 dB at 1 kHz	
Alternate Channel Selectivity:	45 dB: (±400 kHz)	
Frequency Response:	30 Hz to 15 kHz: (+0.5 dB, –3 dB)	

AM tuner

Tuning Range:	530 kHz to 1,710 kHz	
Usable Sensitivity:	Loop antenna	400 µV/m
Signal-to-Noise Ratio		50 dB (100 mV/m)

General

Power Requirements:	AC 120V~, 60 Hz
Power Consumption:	320 watts/420 VA (at operation)
	2 watts (in standby mode)
Dimensions (W x H x D):	435 mm x 157 mm x 412.5 mm
	(17 3/16 in. x 6 3/16 in. x 16 1/4 in.)
Mass:	11.9 kg (26.3 lbs)

Designs & specifications are subject to change without notice.

QUALITY **JVC** SERVICE

HOW TO LOCATE YOUR JVC SERVICE CENTER
TOLL FREE : 1-800-537-5722
http://www.jvcservice.com

Dear customer:
In order to receive the most satisfaction from your purchase, read the instruction booklet before operating the unit. In the event that repair is necessary, or for the address nearest your location, please refer to the factory service center list below or within the Continental United States, Call 1-800-537-5722 for your authorized servicer. Remember to retain your Bill of Sale for Warranty Service.

—JVC

JVC SERVICE & ENGINEERING COMPANY OF AMERICA
DIVISION OF JVC AMERICAS CORP.

FACTORY SERVICE CENTER LOCATIONS

10 New Maple Avenue	1500 Lakes Parkway	705 Enterprise Street
Pine Brook, NJ 07058-9641	Lawrenceville, GA 30243-5857	Aurora, IL 60504-8149
(973) 396-1000	(770) 339-2582	(630) 851-7855
5665 Corporate Avenue	2969 Mapunapuna Place	10700 Hammerly, Suite 110
Cypress, CA 90630-0024	Honolulu, HI 96819-2040	Houston, TX 77043
(714) 229-8011	(808) 833-5828	(713) 935-9331
13 Cummings Park	8192 State Road 84	890 Dubuque Avenue
Woburn, MA 01801	Davie, FL 33324	South San Francisco, CA 94080-1804
(781) 376-9100	(954) 472-1960	(650) 871-2666

Sophisticated electronic products may require occasional service. Just as quality is a keyword in the engineering and production of the wide array of JVC products, service is the key to maintaining the high level of performance for which JVC is world famous. The JVC service and engineering organization stands behind our products.

NATIONAL HEADQUARTERS
JVC SERVICE & ENGINEERING COMPANY OF AMERICA
DIVISION OF JVC AMERICAS CORP.
1700 Valley Road
Wayne, NJ 07470

If you ship the product ...
Pack your JVC unit in the original carton or one of equivalent size and strength. Enclose, with the unit, a letter stating the problem or symptom that exists and also a copy of the receipt or bill of sale you received when you purchased your JVC unit. Print your home return address on the outside and the inside of the carton. Send to the appropriate JVC Factory Service Center as listed above.

Don't service it yourself.

CAUTION
To prevent electrical shock, do not open the cabinet. No user serviceable parts inside. Refer servicing to qualified service personnel.

ACCESSORIES
To purchase accessories for your JVC product, you may contact your local JVC Dealer. Or from the 48 Continental United States call toll free : 800-882-2345

(1059)

JVC LIMITED WARRANTY AUDIO-2

JVC COMPANY OF AMERICA warrants this product and all parts thereof, except as set forth below ONLY TO THE ORIGINAL PURCHASER AT RETAIL, to be FREE FROM DEFECTIVE MATERIAL AND WORKMANSHIP from the date of original retail purchase for the period as shown below. ("The Warranty Period")

PARTS	LABOR
2YR	2YR

THIS LIMITED WARRANTY IS VALID ONLY IN THE FIFTY(50) UNITED STATES, THE DISTRICT OF COLUMBIA AND IN COMMONWEALTH OF PUERTO RICO

WHAT WE WILL DO:
If this product is found to be defective, JVC will repair or replace defective parts at no charge to the original owner. Such repair and replacement services shall be rendered by JVC during normal business hours at JVC authorized service centers. Parts used for replacement are warranted only for the remainder of the Warranty Period. All products and parts thereof may be brought to a JVC authorized service center on a carry-in basis except for Television sets having a screen size 25 inches and above which are covered on an in-home basis.

WHAT YOU MUST DO FOR WARRANTY SERVICE:
Return your product to a JVC authorized service center with a copy of your bill of sale. For your nearest JVC authorized service center, please call toll free: (800)537-5722.
If service is not available locally, box the product carefully, preferably in the original carton, and ship, insured, with a copy of your bill of sale plus and letter of explanation of the problem to the nearest JVC Factory Service Center, the name and location of which will be given to you by the toll-free number.
If you have any questions concerning your JVC Product, please contact our Customer Relations Department.

WHAT IS NOT COVERED:
This limited warranty provided by JVC does not cover:
1. Products which have been subject to abuse, accident, alteration, modification, tampering, negligence, misuse, faulty installation, lack of reasonable care, or if repaired or serviced by anyone other than a service facility authorized by JVC to render such service, or if affixed to any attachment not provided with the products, or if the model number or serial number has been altered, tampered with, defaced or removed;

2. Initial installation and installation and removal for repair;

3. Operational adjustments covered in the Owner's Manual, normal maintenance, video and audio head cleaning;

4. Damage that occurs in shipment, due to act of God, and cosmetic damage;

5. Signal reception problems and failures due to line power surge;

6. Video Pick-up Tubes/CCD Image Sensor, Cartridge, Stylus(Needle) are covered for 90 days from the date of purchase;

7. Accessories;

8. Batteries (except the Rechargeable Batteries are covered for 90 days from the date of purchase);

There are no express warranties except as listed above.

THE DURATION OF ANY IMPLIED WARRANTIES, INCLUDING THE IMPLIED WARRANTY OF MERCHANTABILITY, IS LIMITED TO THE DURATION OF THE EXPRESS WARRANTY HEREIN.

JVC SHALL NOT BE LIABLE FOR THE LOSS OF USE OF THE PRODUCT, INCONVENIENCE, LOSS OR ANY OTHER DAMAGES, WHETHER DIRECT, INCIDENTAL OR CONSEQUENTIAL (INCLUDING, WITHOUT LIMITATION, DAMAGE TO TAPES, RECORDS OR DISCS) RESULTING FROM THE USE OF THIS PRODUCT, OR ARISING OUT OF ANY BREACH OF THIS WARRANTY. ALL EXPRESS AND IMPLIED WARRANTIES, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR PARTICULAR PURPOSE, ARE LIMITED TO THE WARRANTY PERIOD SET FORTH ABOVE.

Some states do not allow the exclusion of incidental or consequential damages or limitations on how long an implied warranty last, so these limitations or exclusions may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

JVC COMPANY OF AMERICA   1700 Valley Road
DIVISION OF JVC AMERICAS CORP.   Wayne, NJ 07470

REFURBISHED PRODUCTS CARRY A SEPARATE WARRANTY. THIS WARRANTY DOES NOT APPLY. FOR DETAILS OF REFURBISHED PRODUCT WARRANTY, PLEASE REFER TO THE REFURBISHED PRODUCT WARRANTY INFORMATION PACKAGED WITH EACH REFURBISHED PRODUCT.

For customer use:
Enter below the Model No. and Serial No. which is located either on the rear, bottom or side of the cabinet. Retain this information for future reference.

Model No.: _____   Serial No.: _____

Purchase date: _____   Name of dealer: _____

-MEMO-

Disassembly method

■Removing the top cover (See Fig.1)

1. Remove the four screws A attaching the top cover on both sides of the body.

2. Remove the three screws B on the back of the body.

3. Remove the top cover from behind in the direction of the arrow while pulling both sides outward.

Top cover

B

A×2

A×2   Fig.1
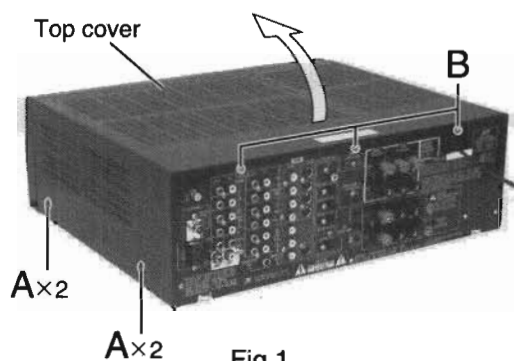
■Removing the front panel assembly (See Fig.2 and 3)

• Prior to performing the following procedure, remove the top cover.

1. Disconnect the card wire from connector CN400 on the main board and CN402 on the power supply board in the front panel assembly.

2. Cut off the tie band fixing the harness.

3. Disconnect the harness from connector CN416 on the V-audio board, CN202 and CN206 on the video board and CN244 on the S-video board respectively.

4. Remove the three screws C attaching the front panel assembly.

5. Remove the five screws D attaching the front panel assembly on the bottom of the body. Detach the front panel assembly toward the front.

Front panel assembly

C   C

Main board

CN400

Power supply board
CN402

Tie band

V-audio board
CN416

S-video board
CN244

Video board
CN202,CN206

Fig.2

Front panel assembly

D   D
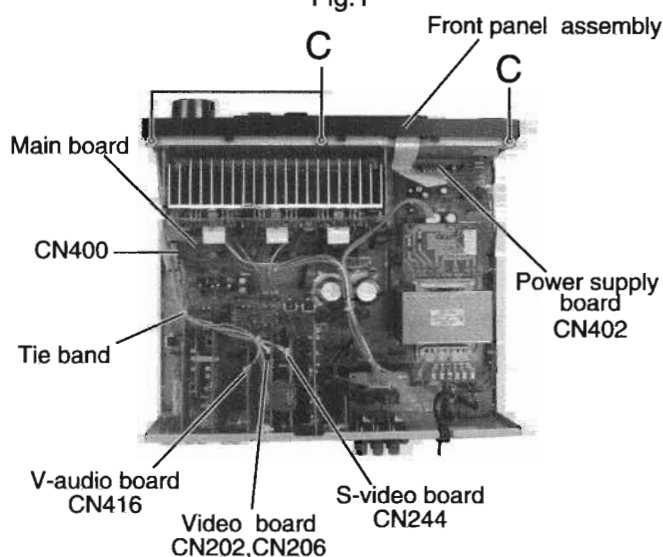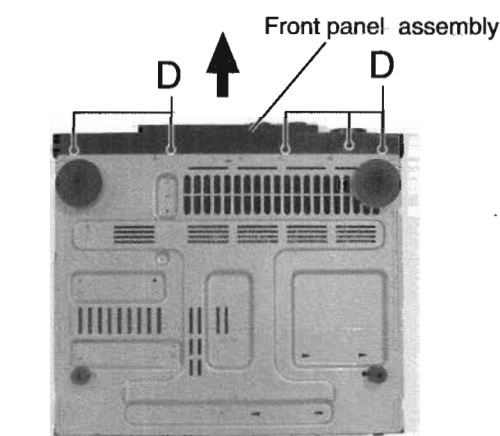
Fig.3

■Removing the rear panel (See Fig.4)

• Prior to performing the following procedure, remove the top cover.

1. Remove the power cord stopper from the rear panel by moving it in the direction of the arrow.

2. Remove the twenty-eight screws E attaching the each boards to the rear panel on the back of the body.

3. Remove the three screws F attaching the rear panel on the back of the body.

E×3

E×4 E×3 E×6   E   Cord stopper

E×3   E×2

E

F
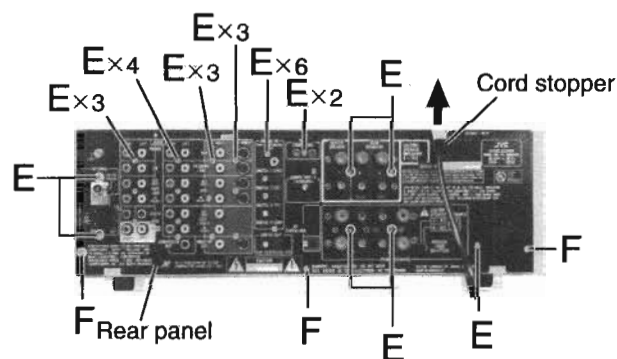
F Rear panel   F   E   E

Fig.4

■Removing each board connected to the rear side of the main board
(See Fig.5 to 9)

• Prior to performing the following procedure, remove the top cover and the rear panel.

1. Cut off the tie band fixing the harness.

2. Disconnect the harness from connector CN416 on the V-audio board, CN202 and CN206 on the video board and CN244 on the S-video board respectively.

3. Disconnect the tuner board from connector CN101 on the main board.

4. Disconnect the SEA board and the audio board from connector CN452, CN301and CN302 on the main board.

5. Disconnect the V-audio board from connector CN303 on the main board.

6. Disconnect the relay board 4.Then, disconnect the video board and the S-video board from connector CN201 and CN241 on the main board.

7. Disconnect the DSP board from connector CN501 and CN601 on the main board while removing the DSP board from the bracket fixing the lower part of the DSP board at the same time.

8. Disconnect the compulink board from connector CN255 on the main board.
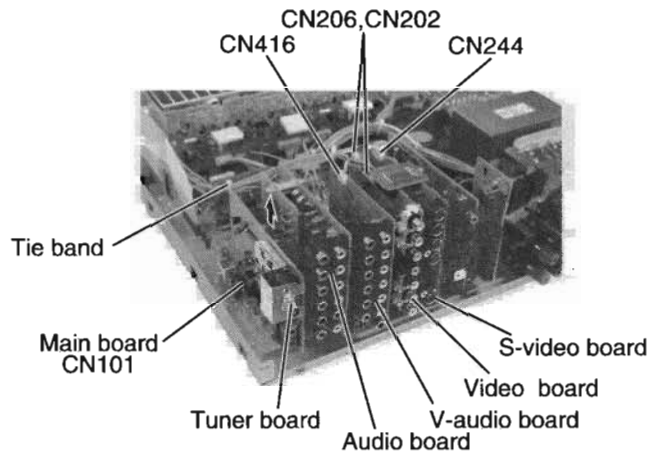
Fig.5
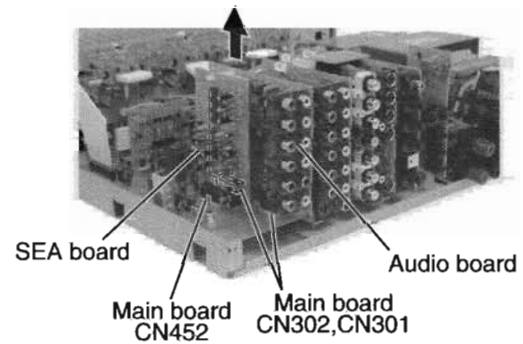
Fig.6
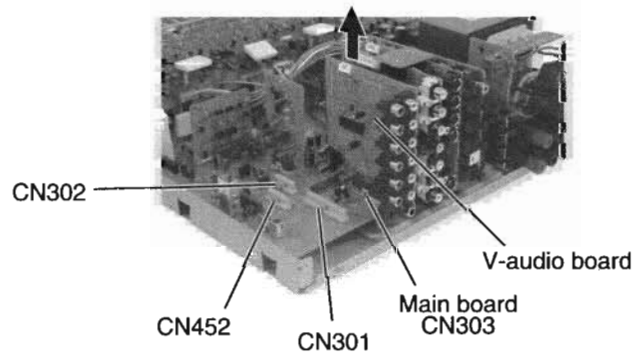
Fig.7
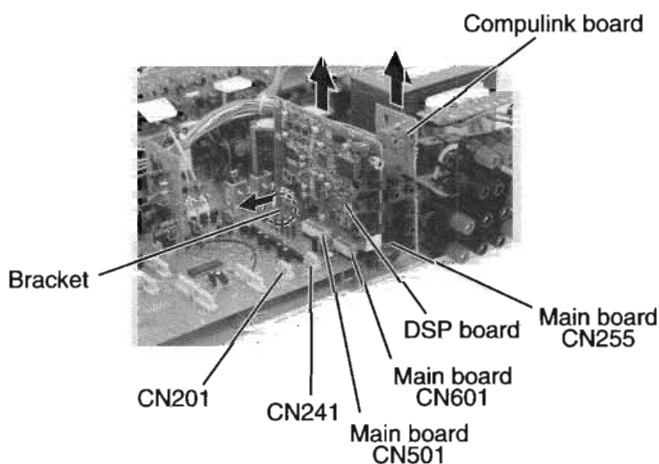
Fig.9
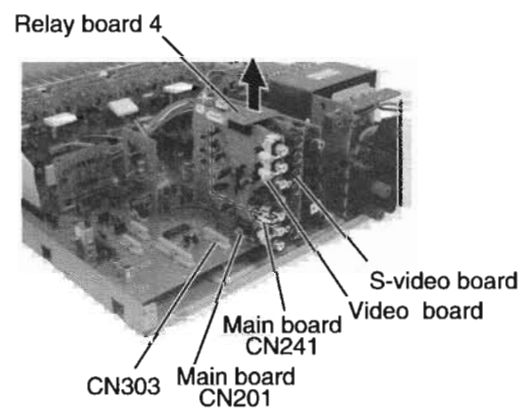
Fig.8

■Removing the main board / regulator board (See Fig.10 to 12)

• Prior to performing the following procedure, remove the top cover and the rear panel.

ATTENTION: It is not necessary to remove the boards connected to the back of the main board. But to disassemble the main board and the power supply board efficiently, remove them.

1. Disconnect the card wire from connector CN400 on the main board.

2. Cut off the three tie bands fixing the harnesses.

3. Disconnect the harness from connector CN811 on the power transformer board.

4. Disconnect the relay board 1,2 and 3 from the main board and the power supply board.

5. Disconnect the harness from connector CN704, CN821, CN901, CN711, CN712, CN931 and CN932.

6. Remove the screw G attaching the regulator board to the heat sink cover.

7. Remove the eight screws H attaching the main board to the heat sink cover.

8. Remove the five screws I and the screw J attaching the main board to the chassis base (The resistor board will come off at the same time).
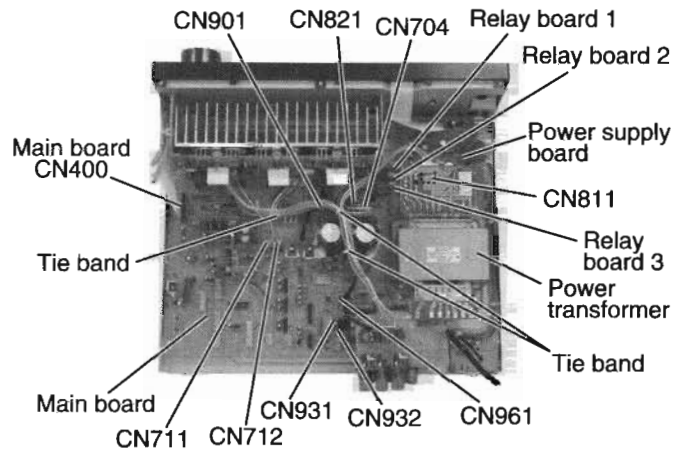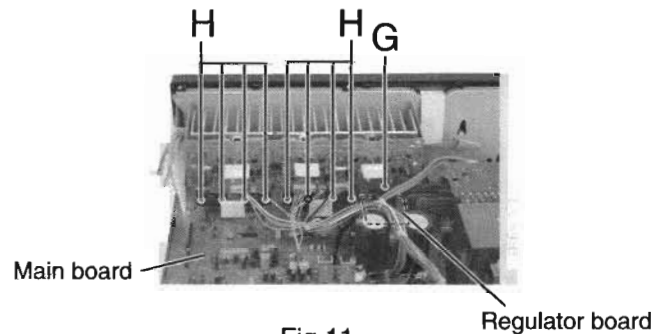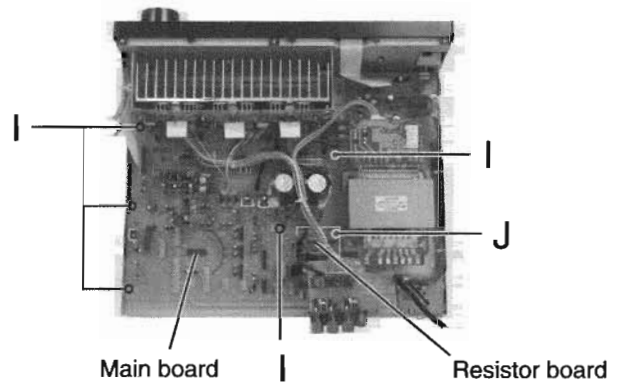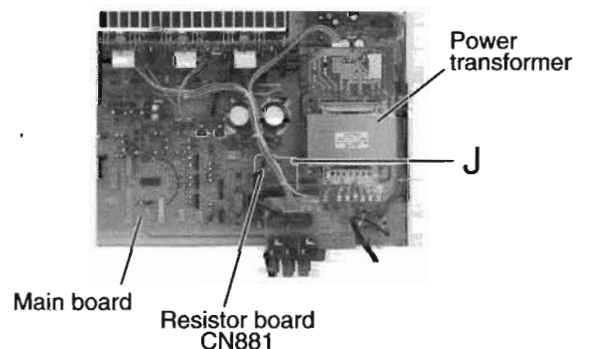
■Removing the resistor board (See Fig.13)

• Prior to performing the following procedure, remove the top cover.

1. Disconnect the harness from connector CN881 on the resistor board.

2. Remove the screw J attaching the resistor board.

Fig.10

Fig.11

Fig.12

Fig.13

2-3

■Removing the amplifier board
(See Fig.10 and 14)

• Prior to performing the following procedure, remove the top cover.

1. Cut off the four tie bands fixing the harnesses.

2. Disconnect the harnesses from connector CN711, CN712, CN704 and CN901 on the main board respectively.

3. .Remove the four screws K and six screws L attaching the amplifier board.

4. If necessary, unsolder the harness connected to connector CN803 and CN952 on the amplifier board.
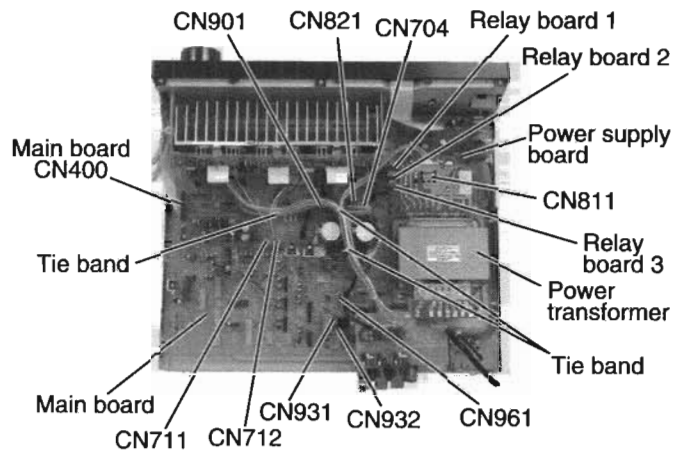
■Removing the power transformer
(See Fig.15)

• Prior to performing the following procedures, remove the top cover.

1. Unsolder the two harnesses connected to the power transformer.

2. Disconnect the harness from connector CN811 and the harnesses connected to connector CN55 and CN56 on the power transformer board.

3. Remove the four screws M attaching the power transformer.
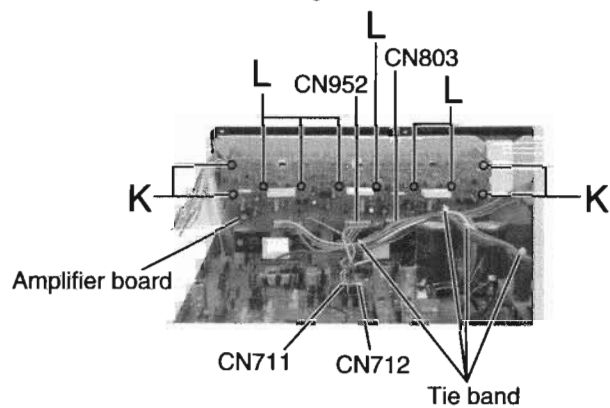
■Removing the power / fuse board
(See Fig.16)

• Prior to performing the following procedure, remove the top cover and the rear panel.

1. Remove the screw N attaching the power / fuse board.

2. Unsolder the power cord and other harnesses connected to the power / fuse board.

Fig.10

Fig.14
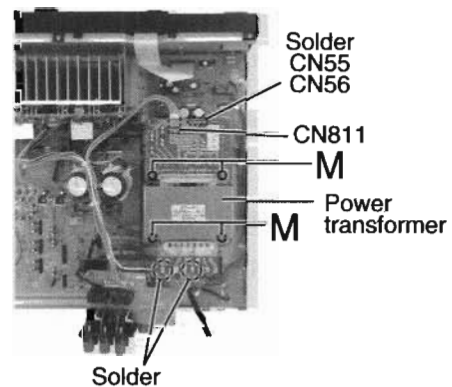
Fig.15
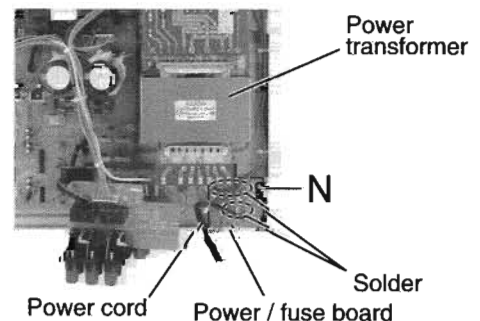
Fig.16

■Removing the power supply board (See Fig.17 and 18)

• Prior to performing the following procedure, remove the top cover and the front panel.

1. Remove the one nut attaching the headphone jack of the power supply board on the front side of the body.

2. Disconnect the relay board 1, 2 and 3 from the power supply board and the main board respectively.

3. Unsolder the harness connected to connector CN55 and CN56 on the power transformer board (If necessary, cut off the band fixing the harness on the side of the base chassis).

4. Remove the four screws O attaching the power supply board and pull out the power supply board from the front bracket backward.

5. Unsolder the three harnesses connected to the power supply board.
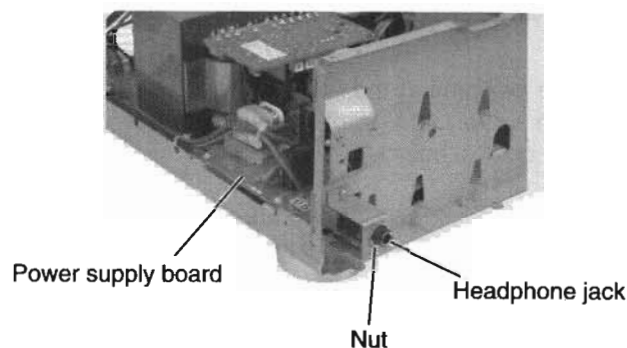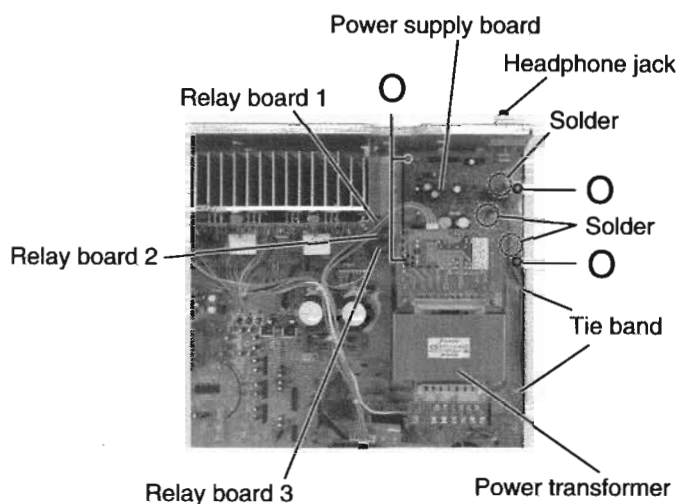
■Removing the system control board / power switch board (See Fig.19 to 20)

• Prior to performing the following procedure, remove the top cover and the front panel assembly.

1. Pull out the volume knob on the front side of the front panel and remove the nut attaching the system control board.

2. Remove the six screws P attaching the system control board on the back of the front panel and disconnect the harness from connector CN422 on the system control board.

3. Disconnect the harness from connector CN430 on the power switch board.

4. Remove the five screws Q attaching the power switch board.

Power supply board   Headphone jack
Nut
Fig.17

Power supply board
Relay board 1   O   Headphone jack
Solder
O
Solder
Relay board 2   O
Tie band
Relay board 3   Power transformer
Fig.18

Nut   Front panel
Volume knob
Fig.19

System control board   P   Power switch board   Q
Q
CN422   CN430
P   Front panel assembly   P
Fig.20

RX-8000VBK
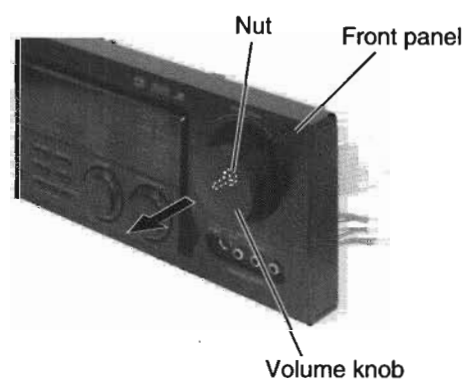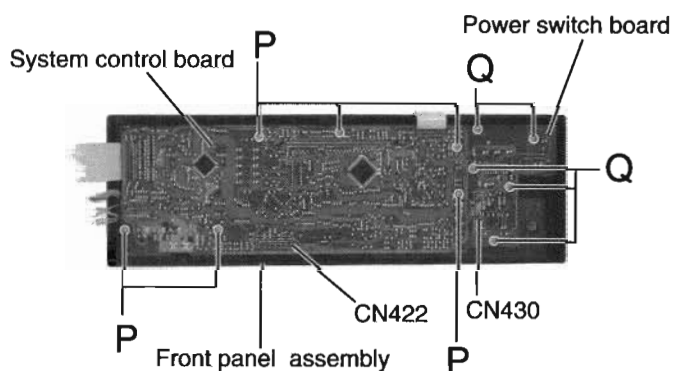
■Removing the operation switch board
(See Fig.21 to 23)

• Prior to performing the following procedure, remove the top cover, the front panel assembly and the system control board.

1. Remove the six screws R attaching the operation switch board on the back of the front panel.

2. On the back of the front panel, release the four joints by pushing the joint tabs inward. Remove the operation switch board toward the front.

3. Pull out the multi jog knob and the source selector knob.

4. Remove the two screws S attaching the operation switch board.

Front panel

R

Joint

R R

Fig.21

Multi jog knob

Source selector knob

Fig.22

S

Operation switch board
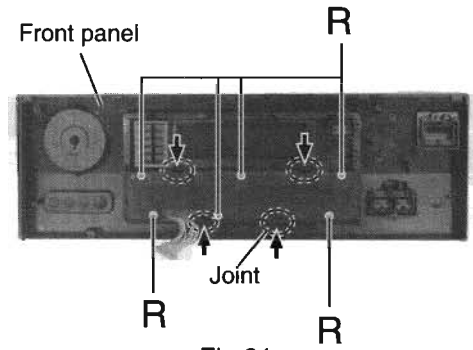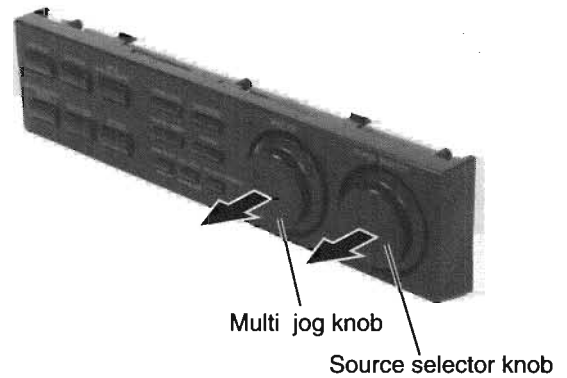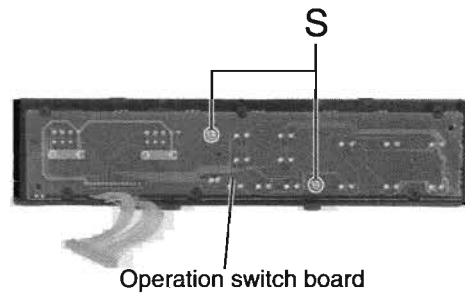
Fig.23

Adjustment method

■ Tuner section

1.Tuner range

FM   87.5MHz~108.0MHz

AM(MW)   530kHz~1710kHz

■ Power amplifier section

Adjustment of idling current

Measurement location   TP781

Adjustment part   VR787(Lch) , VR788(Rch)

Attention
This adjustment does not obtain a correct adjustment value immediately after the amplifier is
used (state that an internal temperature has risen).
Please adjust immediately after using the amplifier after turning off the power supply of the
amplifier and falling an internal temperature.

<Adjustment method>
1.Set the volume control to minimum during this adjustment.(No signal & No load)
2.Set the surround mode OFF.
2.Turn VR787 and VR788 fully counterclockwise to warm up before adjustment.
  If the heat sink is already warm from previous use the correct adjustment can not be made.
3.For L-ch,connect a DC voltmeter between TP781's pin1 and pin2 (Lch)
  And,connect it between pin3 and pin4(Rch).
4.30 minutes later after power on, adjust VR787 for L-ch, or VR788 for R-ch so that the DC voltmeter
  value has 1mV~10mV.

* It is not abnormal though the idling current might not become 0mA even if it is finished to turn variable
  resistance (VR787,VR788) in the direction of counterclockwise.

Heat sink   Main board
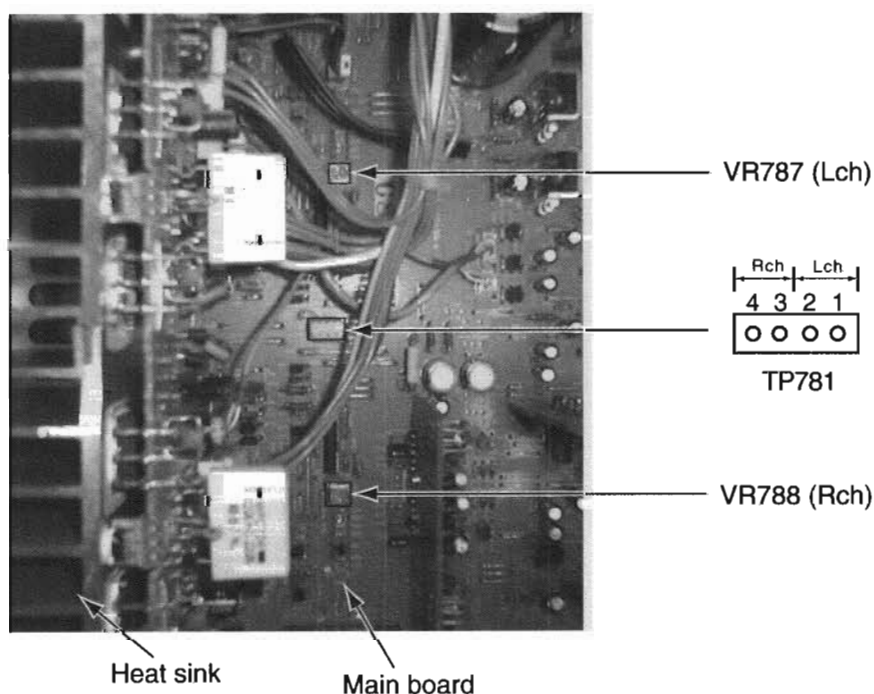
Descrption of major ICs

■ AK4527 (IC601) : A/D,D/A Converter

1.Pin layout

Pins (top row): CDTO (44), CDTI (43), CCLK (42), CS (41), PIS (40), XTO (39), XTI (38), AVSS (37), AVDD (36), VREFH (35), VCOM (34)

Left side pins:
- SDOS — 1
- OCKS — 2
- MIS — 3
- BCLK — 4
- LRCK — 5
- SDTI1 — 6
- SDTI2 — 7
- SDTI3 — 8
- SDTO — 9
- DAUX — 10
- DFS — 11

Right side pins:
- 33 — VREFL
- 32 — RIN+
- 31 — RIN-
- 30 — LIN+
- 29 — LIN-
- 28 — ROUT1
- 27 — LOUT1
- 26 — ROUT2
- 25 — LOUT2
- 24 — ROUT3
- 23 — LOUT3

Bottom row pins: DEM1 (12), DEM0 (13), MCKO (14), DVDD (15), DVSS (16), PD (17), XTS (18), ICKS1 (19), ICKS0 (20), CAD1 (21), CAD0 (22)
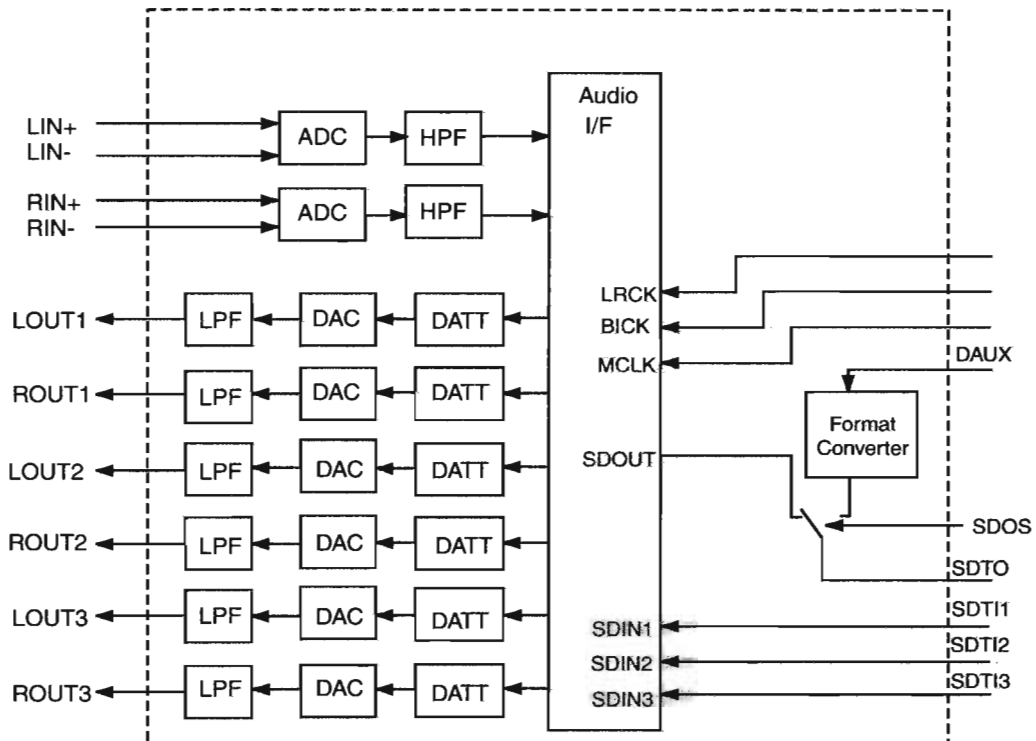
2.Block diagram

Block Diagram (DIR and AC-3) DSP are external parts)

3. Pin function (1/2)

AK4527(1/2)

No.	Pin name	I/O	Function
1	SDOS	I	SDTO Source select pin "L" : Internal ADC output, "H" : DAUX input ORed with serial control register if P/S="L".
2	OCKS	I	MCKO Clock frequency select pin "L" : MCLK, "H" : MCLK/2. ORed with serial control register if P/S= "L".
3	MIS	I	Connect to GND
4	BICK	I	Audio serial data clock pin
5	LRCK	I/O	Input/Output channel clock pin
6	SDTI1	I	DAC1 Audio serial data input pin
7	SDTI2	I	DAC2 Audio serial data input pin
8	SDTI3	I	DAC3 Audio serial data input pin
9	SDTO	O	Audio serial data output pin
10	DAUX	I	AUX Audio serial data input pin
11	DFS	I	Double speed sampling mode pin "L" : Normal speed, "H" : Double speed, the ADC is powered down. ORed with serial control register if P/S="L".
12	DEM1	I	De-emphasis pin ORed with serial control register if P/S="L"
13	DEM0	I	De-emphasis Pin ORed with serial control register if P/S="L"
14	MCKO	O	Master clock output pin
15	DVDD	-	Digital power supply pin
16	DVSS	-	Digital ground pin
17	PD	I	Power-down & Reset pin When "L", the AK4527 is powered-down and the control registers are reset to default state. If the state of CAD0-1 changes, then the AK4527 must be reset by PDN.
18	XTS	I	X'tal oscillator Select/Test mode pin "H" : X'tal Oscillator selected "L" : External clock source selected
19	ICKS1	I	Input clock select 1 pin
20	ICKS0	I	Input clock select 0 pin
21	CAD1	I	Chip address pin Used during the serial control mode.
22	CAD0	I	Chip address pin Used during the serial control mode.
23	LOUT3	O	Lch #3 analog output pin
24	ROUT3	O	Rch #3 analog output pin
25	LOUT2	O	Lch #2 analog output pin
26	ROUT2	O	Rch #2 analog output pin
27	LOUT1	O	Lch #2 analog output pin
28	ROUT1	O	Rch #1 analog output pin
29	LIN-	I	Lch analog negative Input Pin
30	LIN+	I	Lch analog positive Input Pin
31	RIN-	I	Rch analog negative Input Pin
32	RIN+	I	Rch analog positive Input Pin

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3.Pin function (2/2)

No.	Pin Name	I/O	Function
33	VREFL	I	Negative voltage reference Input pin, AVSS
34	VCOM	O	Common voltage output pin,AVDD/2
			Large external capacitor around 2.2uF is used to reduce power-supply noise
35	VREFH	I	Positive voltage reference input pin,AVDD
36	AVDD	-	Analog power supply pin
37	AVSS	-	Analog ground pin
38	XTI	I	X'tal input pin
39	XTO	O	X'tal output pin if XTS="H"
	MCKI	I	External master clock input pin if XTS="L"
40	P/S	I	Parallel/Serial select pin
			"L" : Serial control mode, "H" : Parallel control mode
41	DIF0	I	Audio data interface format pin in parallel mode
	CS	I	Chip select pin in serial mode
42	DIF1	I	Audio data interface format pin in parallel mode
	CCLK	I	Control data clock pin in serial mode
43	LOOP0	I	Loop back mode pin in parallel mode
			Enables digital loop-back from ADC to 3 DACs.
	CDTI	I	Control data input pin in serial mode
44	LOOP1	I	Loop back mode pin in parallel mode
			Enable all 3 DAC channels to be input from SDTII.
	CDTO	O	Control data output pin in serial mode

■ TC9162AN (IC321): Analog switch

1.Function

Switch to On/Off of S1 to S8 by control of LSI.

2.Terminal Lay out & Block Diagram

TC9162N
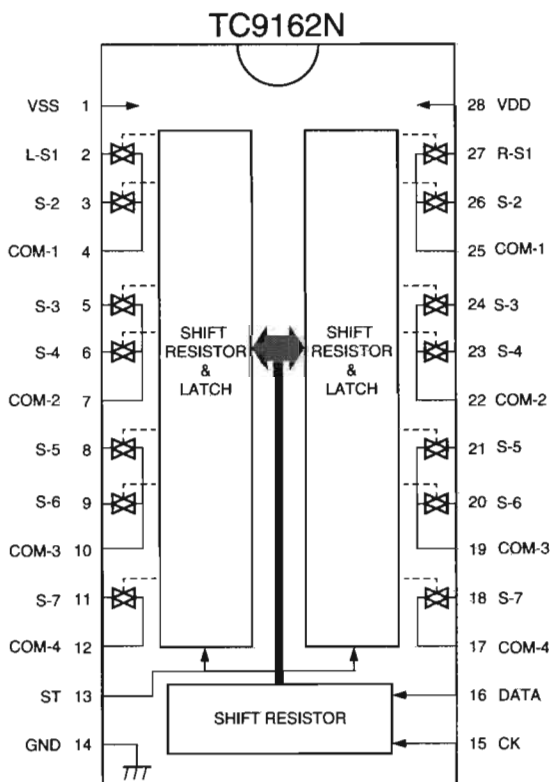
■ BU2092(IC402,IC405):LED Controller

1.Terminal Layout
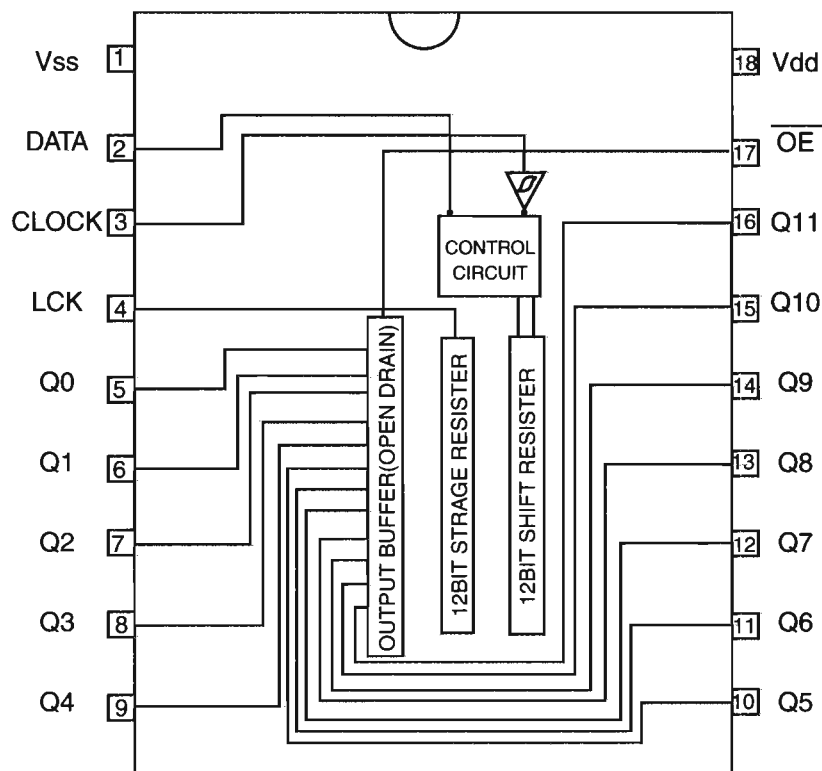
2.Pin Function

Pin No.	Symbol	I/O	Function		
1	Vss	-	Connect to GND		
2	DATA	I	Serial Data input		
3	CLOCK	I	Shift Clock of Data		
4	LCK	I	Latch Clock of Data		
5~16	Q0~Q11	O	Parallel Data Output		
			Latch Data	L	H
			OUTPUT	ON	OFF
17	$\overline{OE}$	I	Output Enable		
18	Vdd	-	Power Supply		

■ BU4051BC(IC341):Analog multiplex/DE multiplex

2.Block diagram

X4	1		16	VDD
X6	2		15	X2
X	3		14	X1
X7	4		13	X0
X5	5		12	X3
INH	6		11	A
VEE	7		10	B
VSS	8		9	C
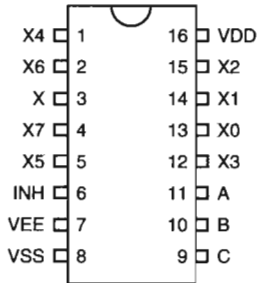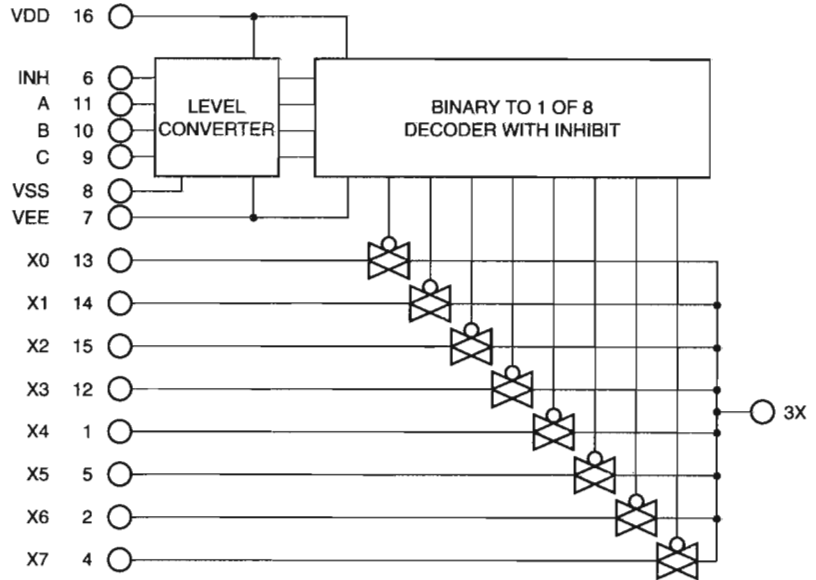
1.Pin layout

■ NJM2285D (IC202) : Video switch

1.Terminal layout & Block diagram
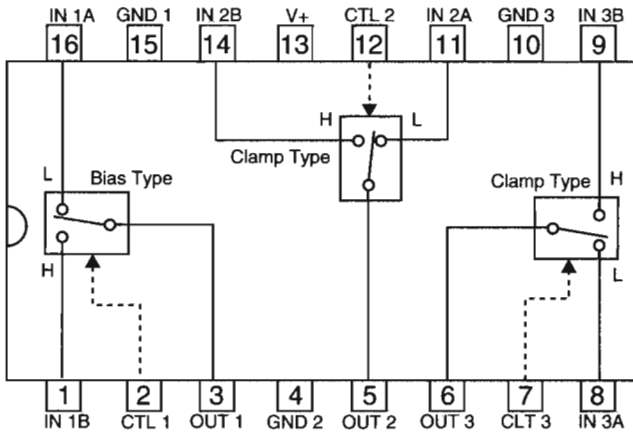
■ W24L011AJ-15(IC641):SDRAM

1.Pin layout

A0	1		32	A16
A1	2		31	A15
A2	3		30	A14
A3	4		29	A13
CS	5		28	OE
I/O1	6		27	I/O8
I/O2	7		26	I/O7
VDD	8		25	VSS
VSS	9		24	VDD
I/O3	10		23	I/O6
I/O4	11		22	I/O5
WE	12		21	A12
A4	13		20	A11
A5	14		19	A10
A6	15		18	A9
A7	16		17	A8
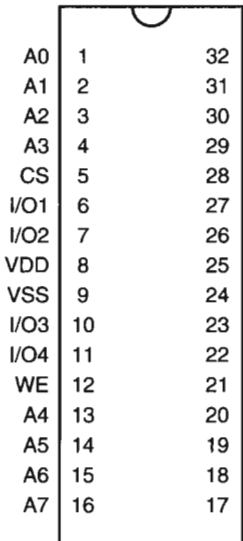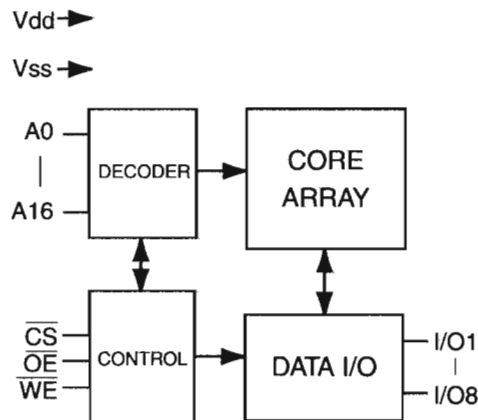
2.Block diagram

3.Pin function

Symbol	Description
A0~A16	Address inputs
I/O1~I/O8	Data inputs/outputs
CS	Chip select inputs
WE	Write enable input
OE	Output enable input
Vdd	Power supply
Vss	Ground

■ LA1838(IC102): FM AM IF AMP&detector, FM MPX Decoder

1. Block Diagram
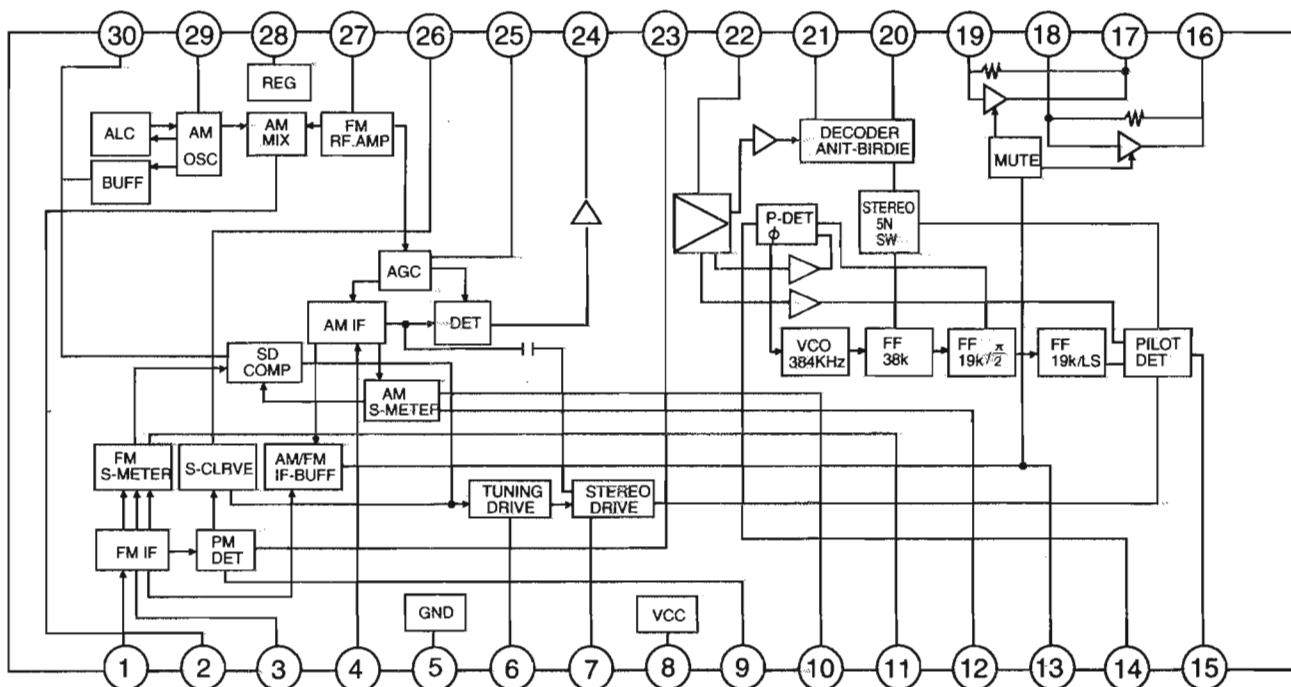
2. Pin Function

Pin No.	Symbol	I/O	Function	Pin No.	Symbol	I/O	Function
1	FM IN	I	This is an input terminal of FM IF signal.	16	R OUT	O	Right channel signal output.
2	AM MIX	O	This is an out put terminal for AM mixer.	17	L OUT	O	Left channel signal output.
3	FM IF	I	Bypass of FM IF	18	R IN	I	Input terminal of the Right channel post AMP.
4	AM IF	I	Input of AM IF Signal.	19	L IN	I	Input terminal of the Left channel post AMP.
5	GND	—	This is the device ground terminal.	20	RO	O	Mpx Right channel signal output.
6	TUNED	O	When the set is tunning,this terminal becomes "L".	21	LO	O	Mpx Left channel signal output.
7	STEREO	O	Stereo indicator output. Stereo "L", Mono: "H"	22	IF IN	I	Mpx input terminal
8	VCC	—	This is the power supply terminal.	23	FM OUT	O	FM detection output.
9	FM DET	—	FM detect transformer.	24	AM DET	O	AM detection output.
10	AM SD	—	This is a terminal of AM ceramic filter.	25	AM AGC	I	This is an AGC voltage input terminal for AM
11	FM VSM	O	Adjust FM SD sensitivity.	26	AFC	—	This is an output terminal of voltage for FM-AFC.
12	AM VSM	O	Adjust AM SD sensitivity.	27	AM RF	I	AM RF signal input.
13	MUTE	I/O	When the signal of IF REQ of IC121(LC72131) appear, the signal of FM/AM IF output. //Muting control input.	28	REG	O	Register value between pin 26 and pin28 besides the frequency width of the input signal.
14	FM/AM	I	Change over the FM/AM input. "H" :FM, "L" : AM	29	AM OSC	—	This is a terminal of AM Local oscillation circuit.
15	MONO/ST	O	Stereo : "H", Mono: "L"	30	OSC BUFFER	O	AM Local oscillation Signal output.

■ LC72136N (IC121) : PLL Frequency synthesizer

1. Pin layout

```
        XT  1      22  XT
     FM/AM  2      21  GND
        CE  3      20  LPFOUT
        DI  4      19  LPFIN
     CLOCK  5      18  PD
        DO  6      17  VCC
 FM/ST/VCO  7      16  FMIN
     AM/FM  8      15  AMIN
            9      14
           10      13  IFCONT
      SDIN 11      12  IFIN
```

2. Block diagram
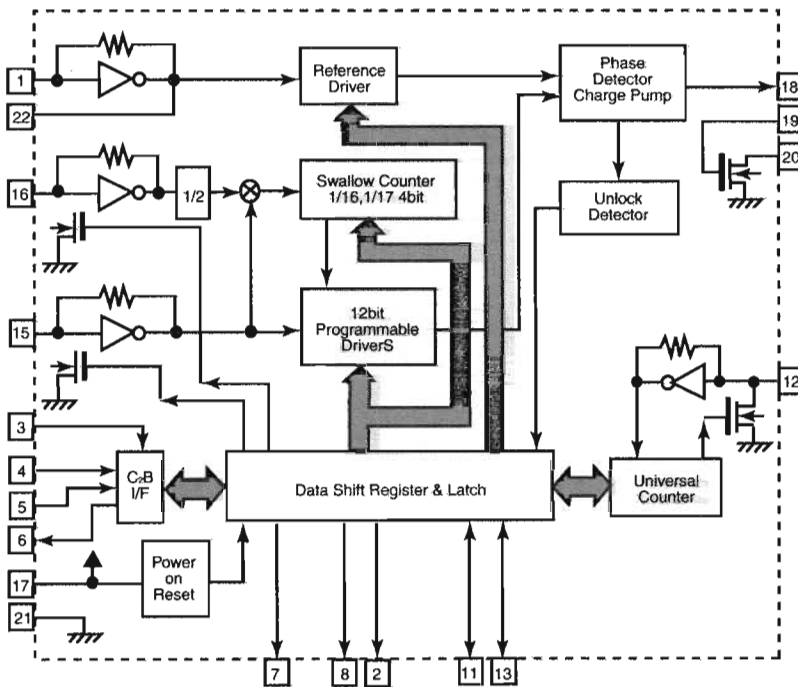
3. Pin function

Pin No.	Symbol	I/O	Function	Pin No.	Symbol	I/O	Function
1	XT	I	X'tal oscillator connect (75kHz)	12	IFIN	I	IF counter signal input
2	FM/AM	O	LOW:FM mode	13	IFCONT	O	IF signal output
3	CE	I	When data output/input for 4pin(input) and 6pin(output): H	14		-	Not use
4	DI	I	Input for receive the serial data from controller	15	AMIN	I	AM Local OSC signal output
5	CLOCK	I	Sync signal input use	16	FMIN	I	FM Local OSC signal input
6	DO	O	Data output for Controller Output port	17	VCC	-	Power suplly(VDD=4.5-5.5V) When power ON:Reset circuit move
7	FM/ST/VCO	O	"Low": MW mode	18	PD	O	PLL charge pump output(H: Local OSC frequency Height than Reference frequency. L: Low Agreement: Height impedance)
8	AM/FM	O	Open state after the power on reset	19	LPFIN	I	Input for active lowpassfilter of PLL
9	LW	I/O	Input/output port	20	LPFOUT	O	Output for active lowpassfilter of PLL
10	MW	I/O	Input/output port	21	GND	-	Connected to GND
11	SDIN	I/O	Data input/output	22	XT	I	X'tal oscillator(75KHz)

■ LC7522 (IC451) : SEA Control

1.Pin layout   2.Block diagram
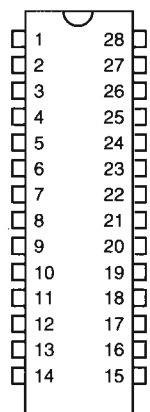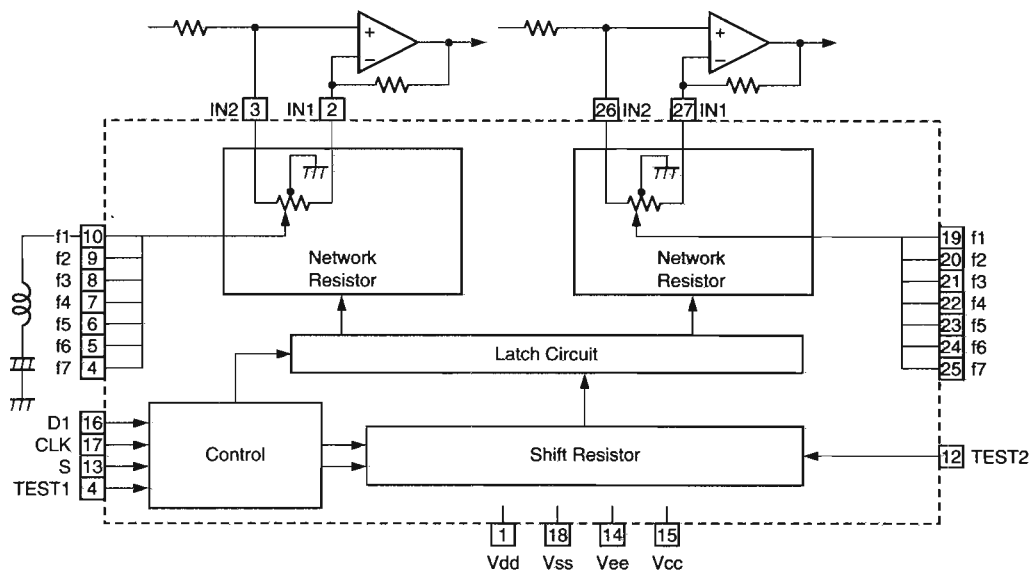
3.Pin function

Pin No.	Symbol	Function
1 18 14 15	V$_{DD}$ V$_{SS}$ V$_{EE}$ V$_{CC}$	Power Supply terminal for Audio signal +7V(typ) Power Supply terminal 0V Power Supply terminal for Audio signal. Single channel use, joint VSS. Power Supply terminal +5V(typ)
2,27 3,26	IN 1 IN 2	Audio signal Input terminal IN1 joint opposite input of Operation amp. IN2 joint inapposite input of Operation amp. It have Right and Left.
16	D1	Data input terminal from CPU Shumit inverter style
17	CLK	Clock input terminal from CPU Shumit inverter style
4~10 19~25	f1~f7	Joint terminal of B.P.F. f1~f7 X Right, Left Total 14 terminal
11 12	TEST1 TEST2	Internal test terminal of IC It can use open condition
13	S	Select terminal for 2 tip use "1" input, key code 7C3 - VDD joint "0" input, key code 7C2 - VEE joint
28	NC	No use

■ MB90088 (IC203) : On screen display controller

1.Terminal layout

```
          ┌─────────────┐
    YIN ──┤ 1    ●    28 ├── AVss
    VIN ──┤ 2         27 ├── YOUT
    CIN ──┤ 3         26 ├── VOUT
   AVcc ──┤ 4         25 ├── COUT
   FSCO ──┤ 5         24 ├── CS
   VBLK ──┤ 6         23 ├── SIN
    Vcc ──┤ 7         22 ├── SCLK
    EXS ──┤ 8         21 ├── TEST
     XS ──┤ 9         20 ├── VOC0
  HSYNC ──┤ 10        19 ├── VOC1
  VSYNC ──┤ 11        18 ├── VOC2
 EXHSYN ──┤ 12        17 ├── VOB
 EXVSYN ──┤ 13        16 ├── XD
    Vss ──┤ 14        15 ├── EXD
          └─────────────┘
```
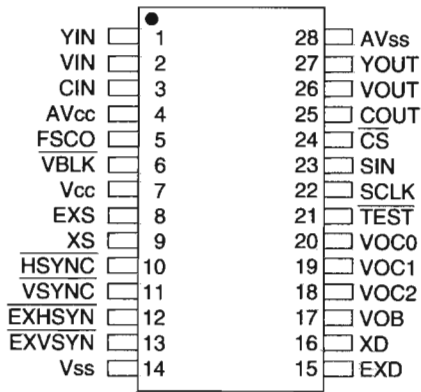
2.Block diagram
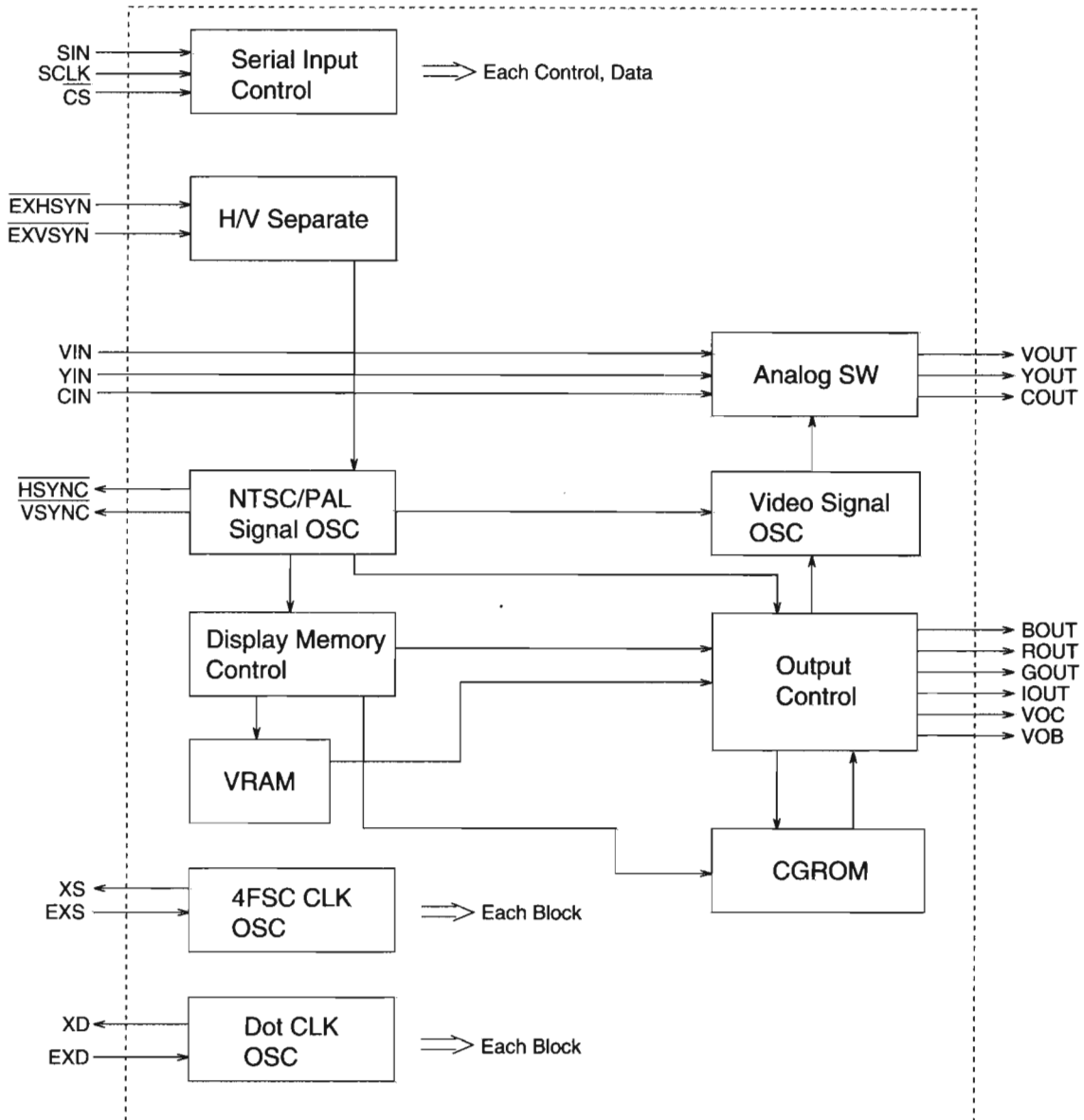
3.Pin functions (MB90088)

pin no	Symbol	I/O	Function
1	YIN	I	Brightness signal Input terminal for Superinpause indication
2	VIN	I	Composite video signal input terminal for Superinpause indication
3	CIN	I	Contrast signal input terminal for Superinpause indication
4	AVcc	-	Analog power supply terminal
5	IOUT	O	Color (Brightness) signal output terminal
6	VOC	O	Character output terminal
7	Vcc	-	Power supply terminal
8	EXS	I	Clock generater outside circuit terminal for color burst
9	XS	O	
10	HSYNC	O	Horizontal signal output terminal
11	VSYNC	O	Vertical signal output terminal
12	EXHSYN	I	EXT horizontal signal input terminal
13	EXVSYN	I	EXT vertical signal input terminal
14	Vss	-	GND
15	EXD	I	Dot clock generater outside circuit signal terminal for indication
16	XD	O	
17	VOB	O	Character & background signal output terminal
18	GOUT	O	Color signal (Green, Red, Blue)
19	ROUT		
20	BOUT		
21	TEST	I	Test signal input terminal
22	SCLK	I	Shift clock input terminal for serial transmission
23	SIN	I	Serial data input terminal
24	CS	I	Chip select terminal
25	COUT	O	Contrast signal output terminal
26	VOUT	O	Composite video signal output terminal
27	YOUT	O	Brightness signal output terminal
28	AVss	-	Analog GND terminal

■ BA7625 (IC242,IC201) / BA7626 (IC241): Video selector
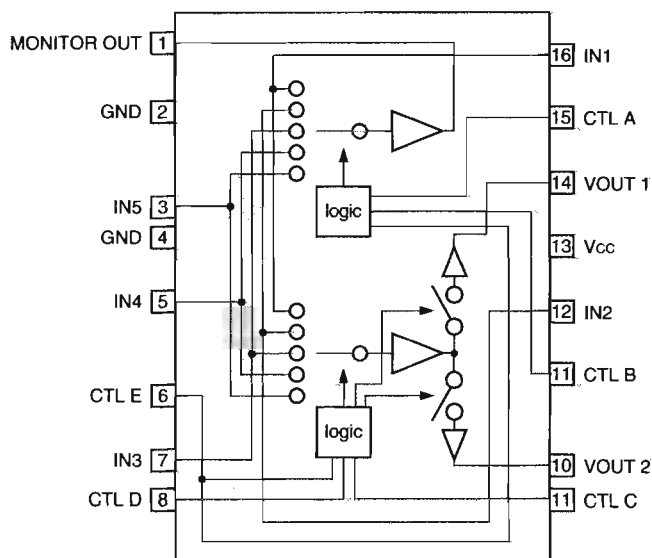
A	B	E	MONITOR OUT
L	L	*	IN1
H	L	*	IN2
L	H	*	IN3
H	H	L	IN4
H	H	H	IN5

C	D	E	VOUT1
L	L	*	--
H	L	*	IN2
L	H	*	IN3
H	H	L	IN4
H	H	H	IN5

C	D	E	VOUT2
L	L	*	IN1
H	L	*	--
L	H	*	IN3
H	H	L	IN4
H	H	H	IN5

RX-8000VBK

■ MN101C15FDE (IC401) : System control micon

1. Pin layout

```
● 80 ~ 61
1          60
♦          ♦
20         41
  21 ~ 40
```
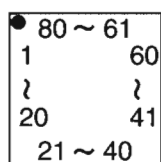
2. Pin function

Pin No	Symbol	Functions	Pin No	Symbol	Functions
1	GND	Ground	41	VIDEO3	VIDEO 3 signal terminal
2	DVD-S/C	DVD S/C signal select terminal	42	VIDEO4	VIDEO 4 signal terminal
3	VCR1-S/C	VCR1 S/C signal select terminal	43	S.MUTE	Source mute control terminal
4	VIDEO-S/C	VIDEO S/C signal select terminal	44	————	No use
5	TV-S/C	TV S/C select terminal	45	————	No use
6	4/8-IN	4 ohm / 8 ohm select signal terminal	46	————	No use
7	————	————	47	RDS-DATA	RDS control signal terminal
8	GND	Ground	48	————	No use
9	PROTECT	Protect	49	RDS-CLK	RDS control signal clock
10	GND	Ground	50	DSP-READY	DSP control signal clock
11	VDD	Power supply	51	DSP-RESET	DSP reset signal terminal
12	OSC 12	Oscillation terminal	52	M/CS	Control signal from IC400
13	OSC 11	Oscillation terminal	53	M-RESET	Reset signal from IC400
14	VSS	Ground	54	M-STATUS	Status signal from IC400
15	X1	Ground	55	M-COMMAND	Command signal from IC400
16	X0	Ground	56	M-CLK	Clock signal from IC400
17	GND	Ground	57	SEA-CLK	SEA clock signal from terminal
18	TEXT-OUT	Text signal output terminal	58	SEA-DATA	SEA data signal terminal
19	TEXT-IN	Text signal input terminal	59	VL/VH	Connect to power supply board
20	MASTER	Master signal terminal	60	4/8 OUT	4 ohm / 8 ohm select signal terminal
21	DSP-COMMAND	DSP control signal terminal	61	SW-DATA	Switch data signal terminal
22	DSP-STATUS	DSP control signal terminal	62	SW-CLK	Switch clock signal terminal
23	DSP-CLK	DSP control signal terminal	63	VOL-STB	Volume strobe signal terminal
24	————	No use	64	VOL-DATA	Volume data signal terminal
25	RESET-IN	Reset signal input terminal	65	VOL-CLK	Volume clock signal terminal
26	TUNER-CE	Tuner chip enable	66	SW-STB	Switch strobe signal terminal
27	TUNER-CLK	Tuner clock signal terminal	67	————	No use
28	————	No use	68	————	No use
29	TUNER-DATA	Tuner control signal terminal	69	FR1-RELAY	Relay 1 signal terminal
30	TUNER-MUTE	Tuner mute signal terminal	70	FR2-RELAY	Relay 2 signal terminal
31	TUNER-IN	Tuner signal input terminal	71	CNTR-RELAY	Center speaker relay terminal
32	STEREO-IN	Stereo signal input terminal	72	SUR-RELAY	Surround speaker relay terminal
33	RDS-ST	No use	73	SUB-MUTE	SUB woofer out mute control
34	M-BUSY	Busy signal from IC400	74	LED-LCK2	LED latch clock signal terminal
35	INH	No use	75	C.TONE3	Center tone 3 signal terminal
36	OSD-DATA	OSD data signal input terminal	76	C.TONE2	Center tone 2 signal terminal
37	OSD-STB	OSD standby signal terminal	77	C.TONE1	Center tone 1 signal terminal
38	OSD-CLK	OSD clock signal terminal	78	LED-LCK1	LED latch clock signal terminal
39	VIDEO1	VIDEO 1 signal terminal	79	LED-DATA	LED data signal terminal
40	VIDEO2	VIDEO 2 signal terminal	80	LED-CLK	LED clock signal terminal

■ MN173222DF(IC400):FL Display & Operation switch control

1.Pin layout

```
  84~64
1        63
≀         ≀
21       43
  22~42
```
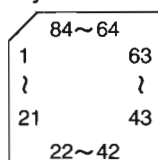
2.Key matrix

	KEY OUT 0	KEY OUT1	KEY OUT 2	KEY OUT 3	KEY OUT 5
KEY IN 0	POWER	ANALOG/ DIGITAL	SEA ADJUST	FM/AM TUNING	ONE TOUCH OPERATION
KEY IN 1	SURROUND	DSP MODE	FM MODE	TUNER PRESET	————
KEY IN 2	SPEAKER 1	LOUDNESS	LEVEL ADJUST	MEMORY	————
KEY IN 3	SPEAKER 2	SEA MODE	SOUND SELECT	SETTING	————

3.Pin function

Pin No.	Symbol	I/O	Description
1~22	S22~S1	O	FL Segment control signal
23	VPP	-	Power supply terminal
24~39	G15~G1/KO0~5	O	FL grid control signal / Key matrix output
40,41	JOG1,2	I	Source select JOG1,2
42,43	JOG3,4	I	Volume JOG 3,4
44	M BUSY	O	BUSY Signal output to IC401
45	M CLK	I/O	Clock signal to IC401
46	M COMMAND	I	Command data input from IC401
47	M STATUS	O	Status signal output to IC401
48	M CS	I	Chip select signal input from IC401
49	RM	I	Remote control signal input
50	VCRI	I	AV Compu-link VCR input
51	DCSI	I	AV Compu-link DCS input
52	DCSO	O	AV Compu-link DCS output
53	VCRO	O	AV Compu-link VCR output
54	TVD	O	AV Compu-link TV output
55	TVC	O	AV Compu-link TV control output
56,57	JOG5,6	I	Multi JOG 5,6
58	POWER	I	Power ON control output
59		O	STANDBY LED control H:Lighting
60~63	KI3~KI0	I	Key matrix input
64~67	S36~S33	O	FL Segment control signal
68	RST	I	Reset input
69	X1	-	Connect to GND
70	X2	-	Non connect
71	VSS	-	Connect to GND
72	OSC2	-	Oscillation terminal 6MHz
73	OSC1	-	Oscillation terminal 6MHz
74		-	Not use
75~84	S32~S23	O	FL Segment control signal

■TC9446F-013(IC631):Digital signal processor for dolby digital / DTS audio decode

Pin No.	Symbol	I/O	Function
1	RST	I	Reset signal input terminal (L:reset H:Operation usually)
2	MIMD	I	Microcomputer interface mode selection input terminal (L:serial H:IC bus)
3	MICS	I	Microcomputer interface chip select input terminal
4	MILP	I	Microcomputer interface latch pulse input
5	MIDIO	I/O	Microcomputer interface data I/O terminal
6	MICK	I	Microcomputer interface clock input terminal
7	MIACK	O	Microcomputer interface acknowledge output terminal
8~11	FI0~3	I	Flag input terminal 0~3
12	IRQ	I	Interrupt input terminal
13	VSS	-	Digital ground terminal
14	LRCKA	I	Audio interface LR clock input terminal A
15	BCKA	I	Audio interface bit clock input terminal A
16~18	SDO0~2	O	Audio interface data output terminal 0
19	SDO3	-	Non connect
20	LRCKB	I	Audio interface LR clock input terminal B
21	BCKB	I	Audio interface bit clock input terminal B
22	SDT0	I	Audio interface data input terminal 0
23	SDT1	I	Audio interface data input terminal 1
24	VDD	-	Power supply for digital circuit
25	LRCKOA	O	Audio interface LR clock output terminal A
26	BCKOA	O	Audio interface bit clock output terminal A
27,28	TEST0,1	I	Test input terminal 0/1 (L:test H:operation usually)
29~31	LRCKOB,BCKOB,TXO	-	Non connect
32,33	TEST2,3	I	Test input terminal (L:test H:operation usually)
34	RX	I	SPDIF input terminal
35	VSS	-	Ground terminal for digital circuit
36	TSTSUB0	I	Test sub input terminal 0 (L:test H:operation usually)
37	FCONT	O	VCO Frequency control output terminal
38,39	TSTSUB1,TSTSUB2	I	Test sub input terminal 1,2 (L:test H:operation usually)
40	PDO	O	Phase error signal output terminal
41	VDDA	-	Power supply for analog circuit
42	PLON	I	Clock selection input terminal (L:external clock H:VCO clock)
43	AMPI	I	AMP input terminal for LPF
44	AMPO	O	AMP output terminal for LPF
45	CKI	I	External clock input terminal
46	VSSA	-	Ground terminal for analog circuit
47	CKO	O	DIR Clock output terminal
48	LOCK	O	VCO Lock detection output terminal
49	VSS	-	Ground terminal for digital circuit
50	WR	O	External SRAM writing signal output terminal
51	OE	O	External SRAM output enable signal output terminal
52	CE	O	External SRAM chip enable signal output terminal
53	VDD	-	Power supply terminal for digital circuit
54~61	IO7~0	I/O	External SRAM data I/O terminal 7~0
62	VSS	-	Ground terminal for digital circuit
63~70	AD0~7	O	External SRAM address output terminal 0~7
71	VDD	-	Power supply terminal for digital circuit
72~80	AD8~16	O	External SRAM address output terminal 8~16
81	VSS	-	Ground terminal for digital circuit
82~89	PO0~7	O	General purpose output terminal 0~7
90	VDDDL	-	Power supply terminal for DLL
91	LPFO	O	LPF output terminal for DLL
92,93	DLON,DLCKS	I	Refer to the undermentioned table
94	SCKO	-	Non connect
95	VSSDL	-	Ground terminal for DLL
96	SCKI	I	External system clock input terminal
97	VSSX	-	Ground terminal for oscillation circuit
98,99	XO,XI	I/O	Oscillation I/O terminal
100	VDDX	-	Power supply terminal for oscillation circuit

DLCKS terminal	DLON terminal	DLL clock setting
L	L	SCKI input (DLL circuit OFF)
L	H	Four times XI clock
H	L	Three times XI clock
H	H	Six times XI clock

■ TC9459F (IC331,IC332,IC333) : Electronic volume control

1.Pin layout

```
      VSS [  1     24 ] VDD
    L-OUT [  2     23 ] R-OUT
       NC [  3     22 ] NC
     L-IN [  4     21 ] R-IN
L-ch   L-LD1 [  5     20 ] R-LD1   R-ch
     L-LD2 [  6     19 ] R-LD2
  L-A-GND [  7     18 ] R-A-GND
       NC [  8     17 ] NC
      CS1 [  9     16 ] CS2
       NC [ 10     15 ] NC
      GND [ 11     14 ] STB
       CK [ 12     13 ] DATA
```
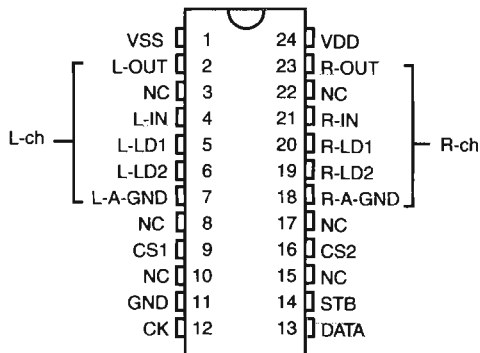
2. Block diagram
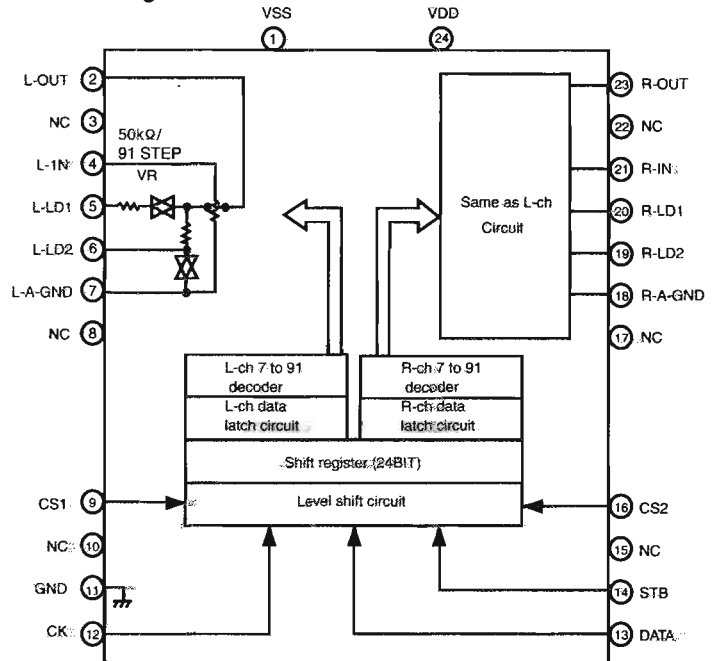
3.Pin function

Pin No.	Symbol	Function	Pin No.	Symbol	Function
1	VSS	Negative power supply pin	13	DATA	Volume setup serial data input
2	L-OUT	Volume output pin	14	STB	Data write strobe input
3	NC	No connection	15	NC	No connection
4	NC	No connection	16	CS2	Chip select input pin
5	L-LD1	Loudness tap output pin	17	NC	No connection
6	L-LD2	Loudness tap output pin	18	R-A-GND	Analog GND pin
7	L-A-GND	Analog GND pin	19	R-LD2	Loudness tap output pin
8	NC	No connection	20	R-LD1	Loudness tap output pin
9	CS1	Chip select input pin	21	R-IN	Volume input pin
10	NC	No connection	22	NC	No connection
11	NC	No connection	23	R-OUT	Volume output pin
12	CK	Data transfer clock input	24	VDD	Positive power supply pin

■ UPD784215AGC(IC671):UNIT CPU

1.Pin layout

```
     75  ~  51
76              50
 ?               ?
100             26
     1   ~   25
```
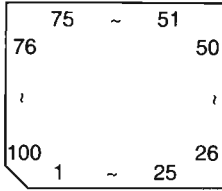
2.Pin function

Pin No.	Symbol	I/O	Function
1~8		-	Non connect
9	VDD	-	Power supply terminal
10	X2	O	Connecting the crystal oscillator for system main clock
11	X1	I	Connecting the crystal oscillator for system main clock
12	VSS	-	Connect to GND
13	XT2	O	Connecting the crystal oscillator for system sub clock
14	XT1	I	Connecting the crystal oscillator for system sub clock
15	RESET	I	System reset signal input
16	AUTODATA	I	Output of DSP to general-purpose port
17	LOCK	I	Output of DSP to general-purpose port
18	DIGITAL0	I	Output of DSP to general-purpose port
19	FORMAT	I	Output of DSP to general-purpose port
20	CHANNEL	I	Output of DSP to general-purpose port
21	ERR	I	Output of DSP to general-purpose port
22	RSTDET	I	Reset signal input
23	AVDD	-	Power supply terminal
24	AVREF0	-	Connect to GND
25~32		-	Connect to GND
33	AVSS	-	Connect to GND
34,35		-	Non connect
36		-	Power supply terminal
37,38	RX,TX	-	Not use
39		-	Non connect
40	DSPCOM	I	Communication port from IC401
41	DSPSTS	O	Status communication port to IC401
42	DSPCLK	I	Clock input from IC401
43	DSPRDY	I	Ready signal input from IC401
44		-	Non connect
45,46	MIDIO_IN/OUT	I/O	Interface I/O terminal with microcomputer
47	MICK	O	Interface I/O terminal with microcomputer of clock signal
48	MICS	O	Interface I/O terminal with microcomputer of chip select
49	MILP	O	Interface I/O termonal with microcomputer
50	MIACK	O	Interface I/O termonal with microcomputer
51,52		-	Non connect
53	DSPRST	O	Reset signal output of DSP
54~63		-	Non connect
64,65	CDTI/CDTO	I/O	Interface I/O terminal with microcomputer
66	CCLK	O	Interface I/O terminal with microcomputer of clock signal
67	CS	O	Interface I/O terminal with microcomputer of chip select
68	XTS	O	OSC Select
69,70		-	Non connect
71	PD	O	Reset signal output
72	GND	-	Connect to GND
73~80		-	Non connect
81	VDD	-	Power supply
82	3D-ON	-	Non connect
83	3D-ON	O	Switch at output destination of surround channel
84	ANA/T-TONE	O	Test tone control
85	REF-MIX	O	Control at output destination of LFE channel
86		-	Non connect
87	D.MUTE	O	Mute of the digital out terminal is controlled
88	S.MUTE	O	Mute of the audio signal is controlled
89		-	Non connect
90~93	ASW1~4	O	Selection of digital input selector
94	TEST	-	Test terminal
95~100		-	Non connect

Block diagrams

■ System control & Video I/O section

RX-8000VBK
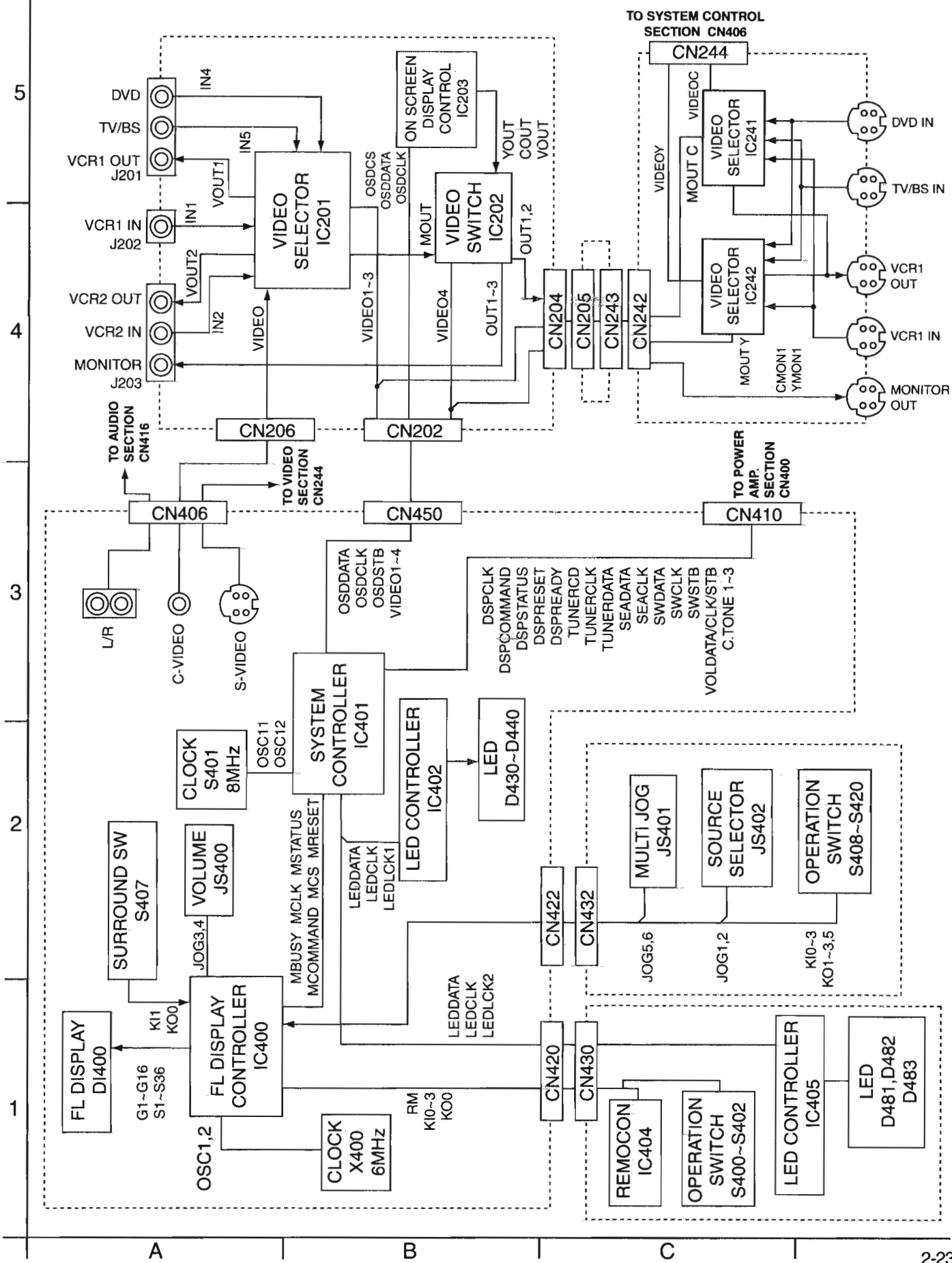
■ Power amplifier & Audio I/O section

■ DSP Section

IC621 IC622

DIGITAL IN J601

SELECTOR IC611

OPTICAL IN 1~3 UN661 UN662 UN664

IC601 D/A,A/D Converter

CLOCK X631 22.5792MHz

XI XO

OPTICAL OUT UN663

IN L/R

LOUT2 ROUT2

CDTI CDTO CCLK CS

RX

TXO

IC501 IC511

SDTI0~3 LRCLK BCLK

IC631 DSP

LOUT1 ROUT1

LOUT3 ROUT3

IC581 IC591

SURROUND SWITCH IC602

SELECT1~4

WR OE CE I/O8~1 A0~16

OUT C OUT LFE

DSP CONTROLLER IC671

AUTODATA LOCK DIGITALO FORMAT CHANNEL ERR RST_DET DSPRST

IC521 IC531 IC551

IC561 IC571

X1 X2

CLOCK X671 6.14MHz

IC641 SDRAM

OUT SL/SR

DSPRESET DSPREADY DSPCOMMAND DSPSTATUS DSPCLK

OUT L/R

CN681

CN687

TO VOLUME CONTROL SECTION CN501

TO VOLUME CONTROL SECTION CN601

■ Tuner section

TUNER OUT L/R

FM

FM FRONTEND RF101

IF OUT

FM IF/DET/MPX AM RF/IF/DET IC102

MPX

CN111

TO VOLUME CONTROL SECTION CN101

AM

AM RF AM OSC

VT

FM OSC

AM/FM AM OSC OUT

DATA CLOCK CE

MW RF/MWOSC COIL T111

PLL Synthesizer IC121

-MEMO-

Standard schematic diagrams

■ Power supply section
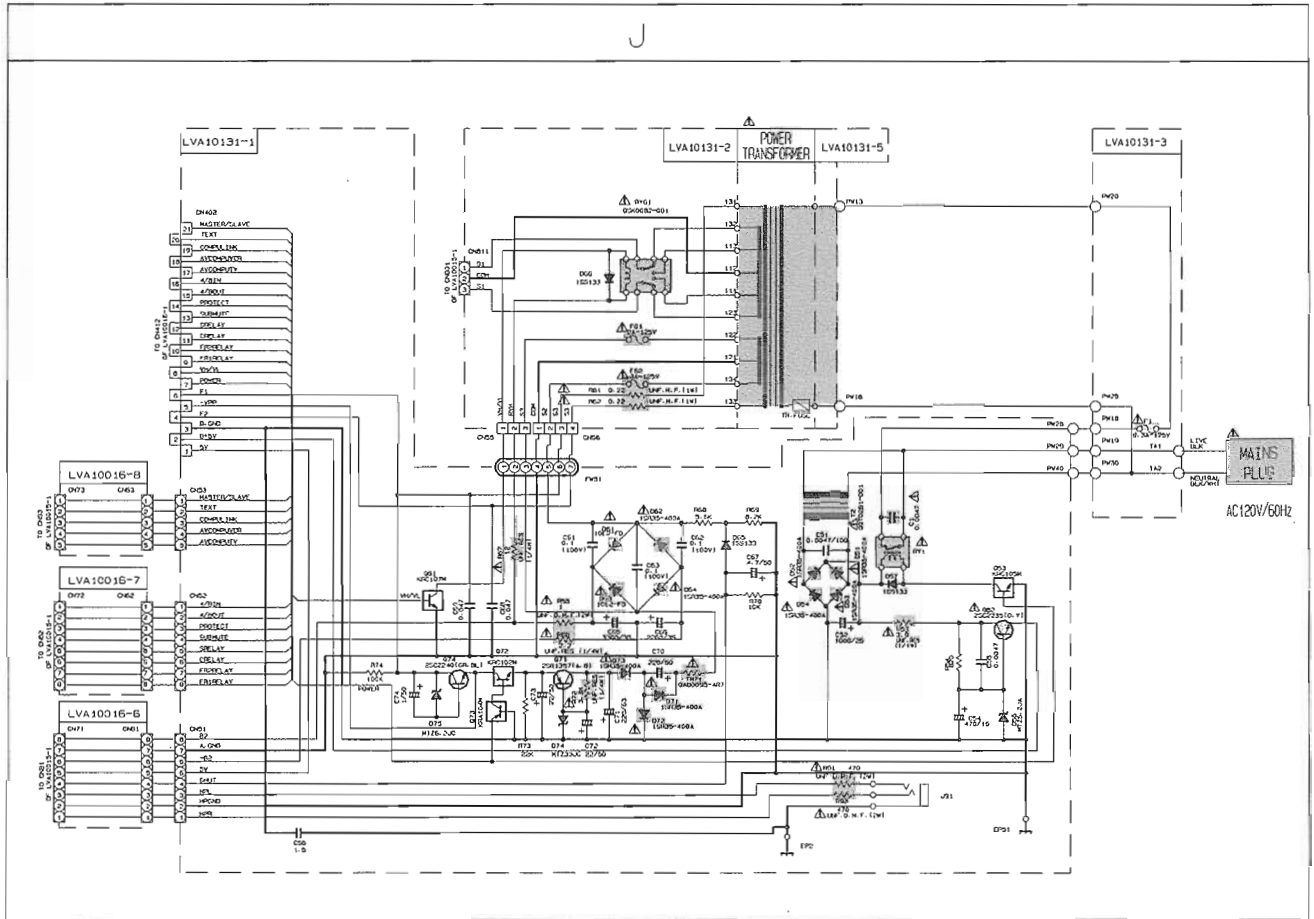
SHEET NUMBER	CIRCUIT DISCRIPTION
1/8	PRIMARY / RECTIFIRE
2/8	VOLUME (FRONT/CENTER/REAR ch.) / SEA / SOURCE SELECT IC
3/8	AUDIO AMP (FRONT ch.) / SPEAKER TERMINAL (FRONT ch.) / REGULATOR / RECTIFIRE
4/8	AUDIO AMP (CENTER/REAR ch.) / SPEAKER TERMINAL (CENTER/REAR ch.)
5/8	AUDIO SIGNAL INPUT TERMINAL / SOURCE SELECT IC / SYSTEMCONTROL SIGNAL TERMINAL
6/8	VIDEO SIGNAL INPUT TERMINAL / SOURCE SELECT IC
7/8	USER CONTROL KEYS / SYSTEMCONTROL LSI / FL DISPLAY
8/8	SURROUND IC / DIGITAL SIGNAL INPUT TERMINAL

C

POWER TRANSFORMER

LVA10131-1

LVA10131-2   LVA10131-5

LVA10131-3

MAINS PLUG

AC120V/60Hz

LVA10016-8

LVA10016-7
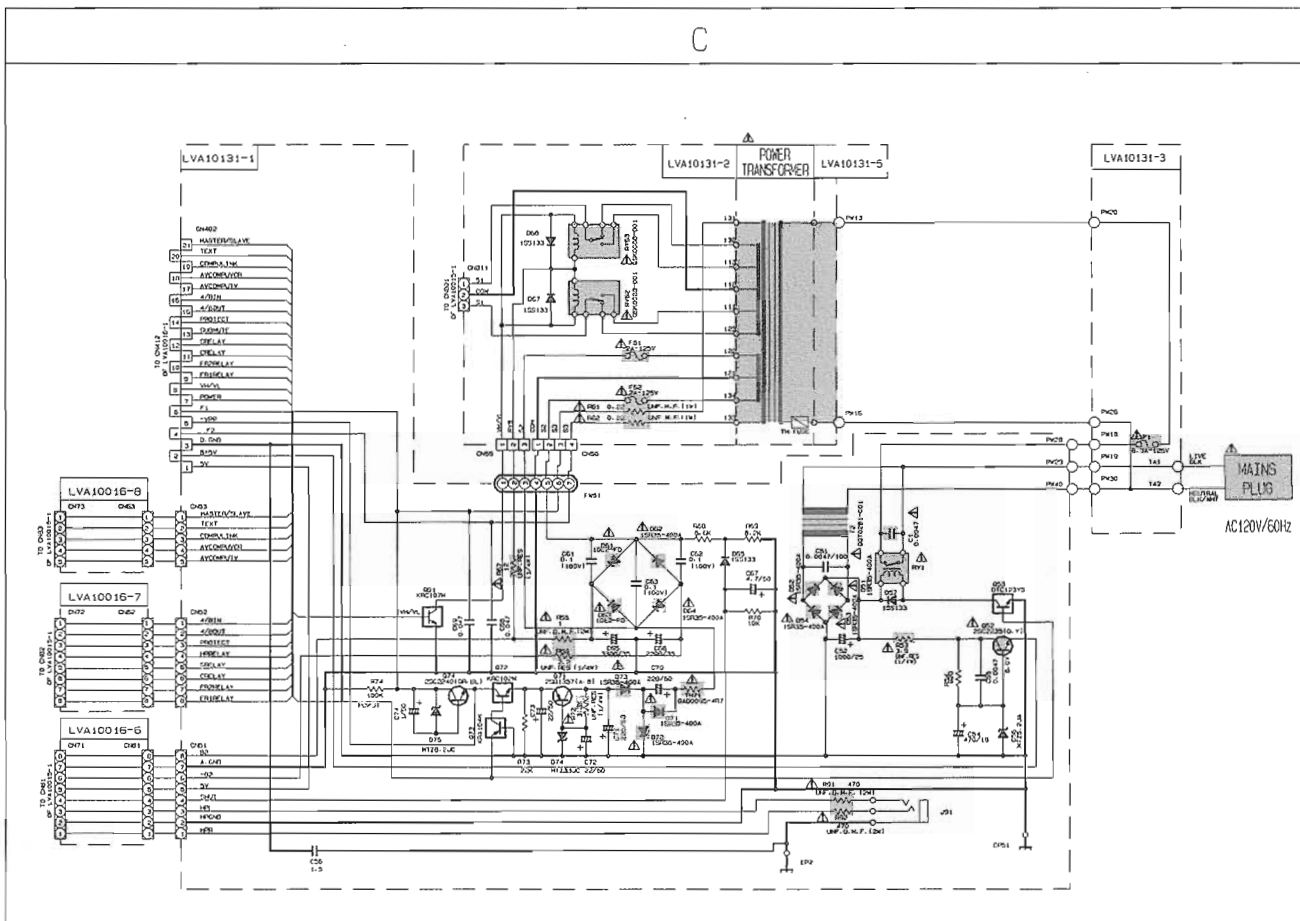
LVA10016-6

EXPLANATION OF OVERALL OF SCHEMA.
RX-8000VBK

MODEL RX-8000VBK

SHEET 1/8

△ Parts are safety assurance parts.
When replacing those parts make
sure to use the specified one.

Main amplifier section 1/2

CENTER Signal AUDIO Signal FRONT Si

SURROUND Signal TUNER Signal
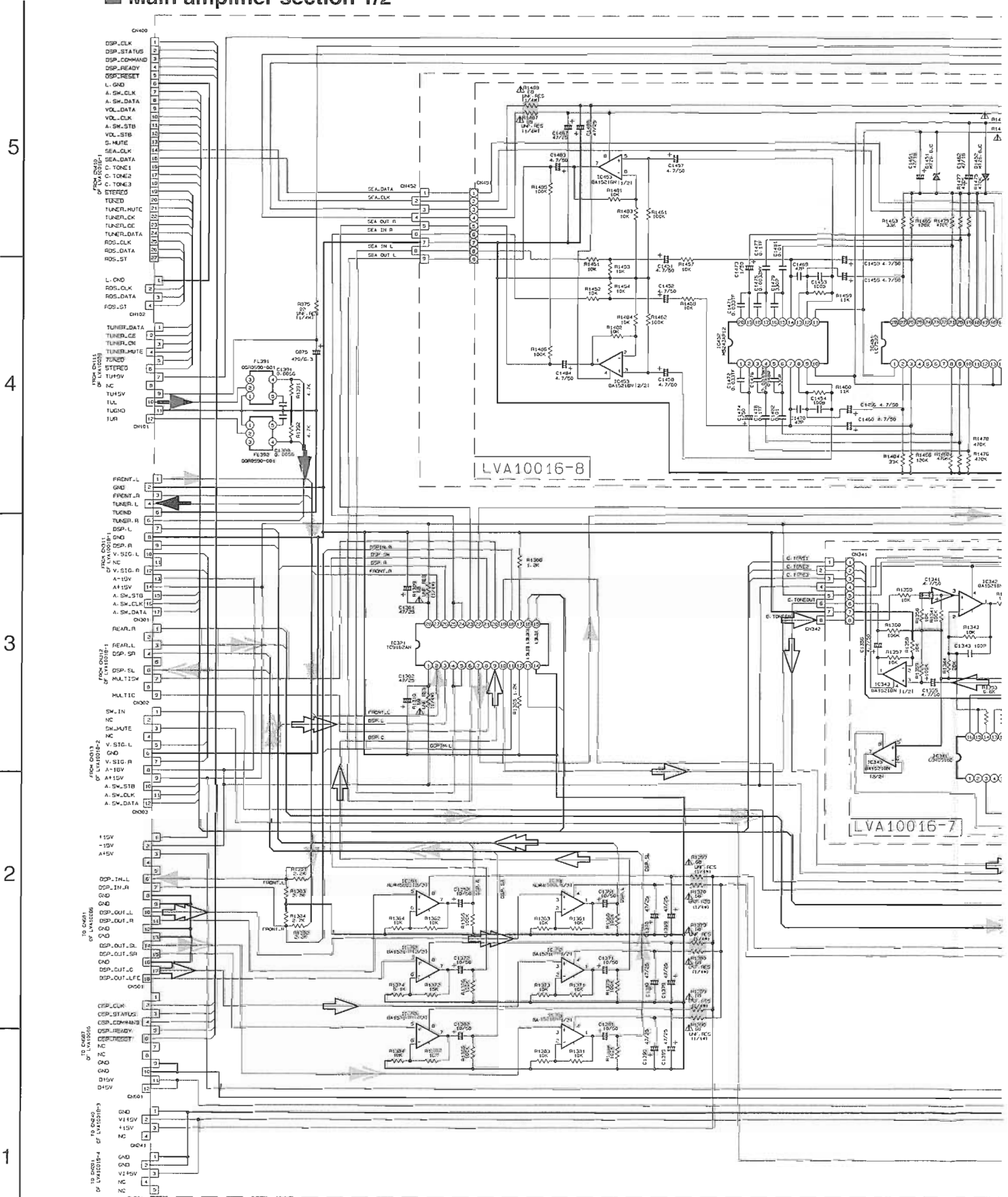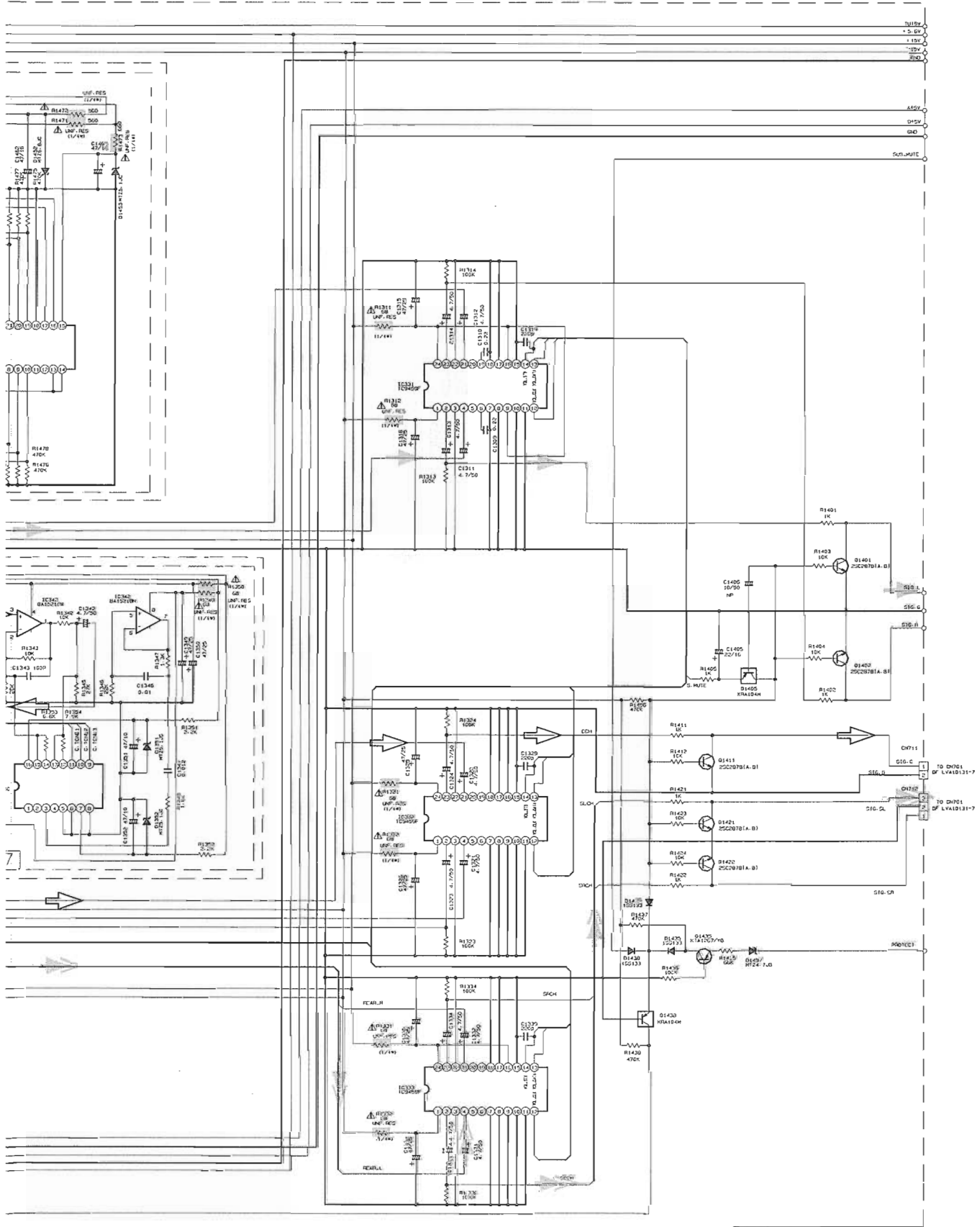
)NT Signal

⚠ Parts are safety assurance parts.
When replacing those parts make
sure to use the specified one.

MODEL
RX-8000VBK

SHEET
2/8

LVA10015-1(1)

| D | E | F | G | H |

LVA10015-3

LVA10131-10

LVA10015-1(2)
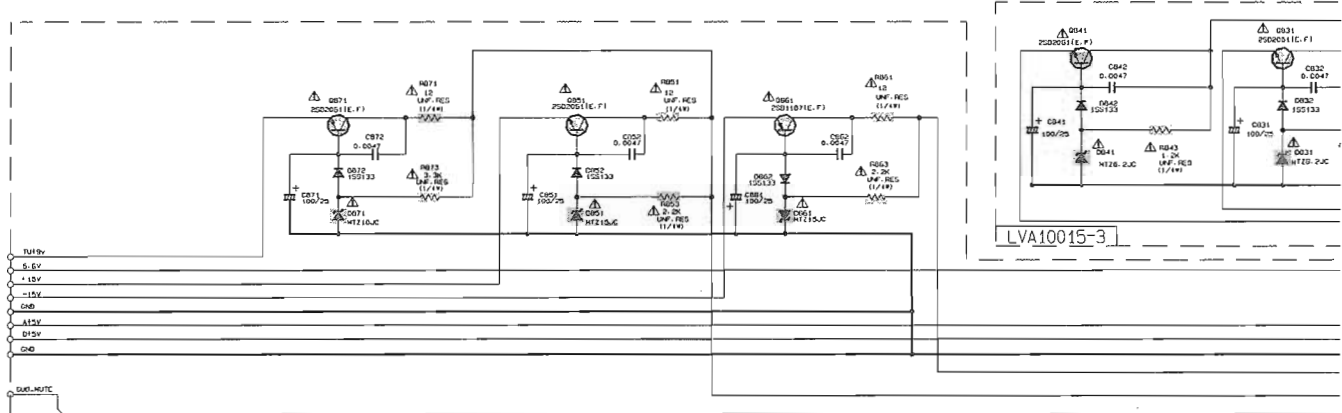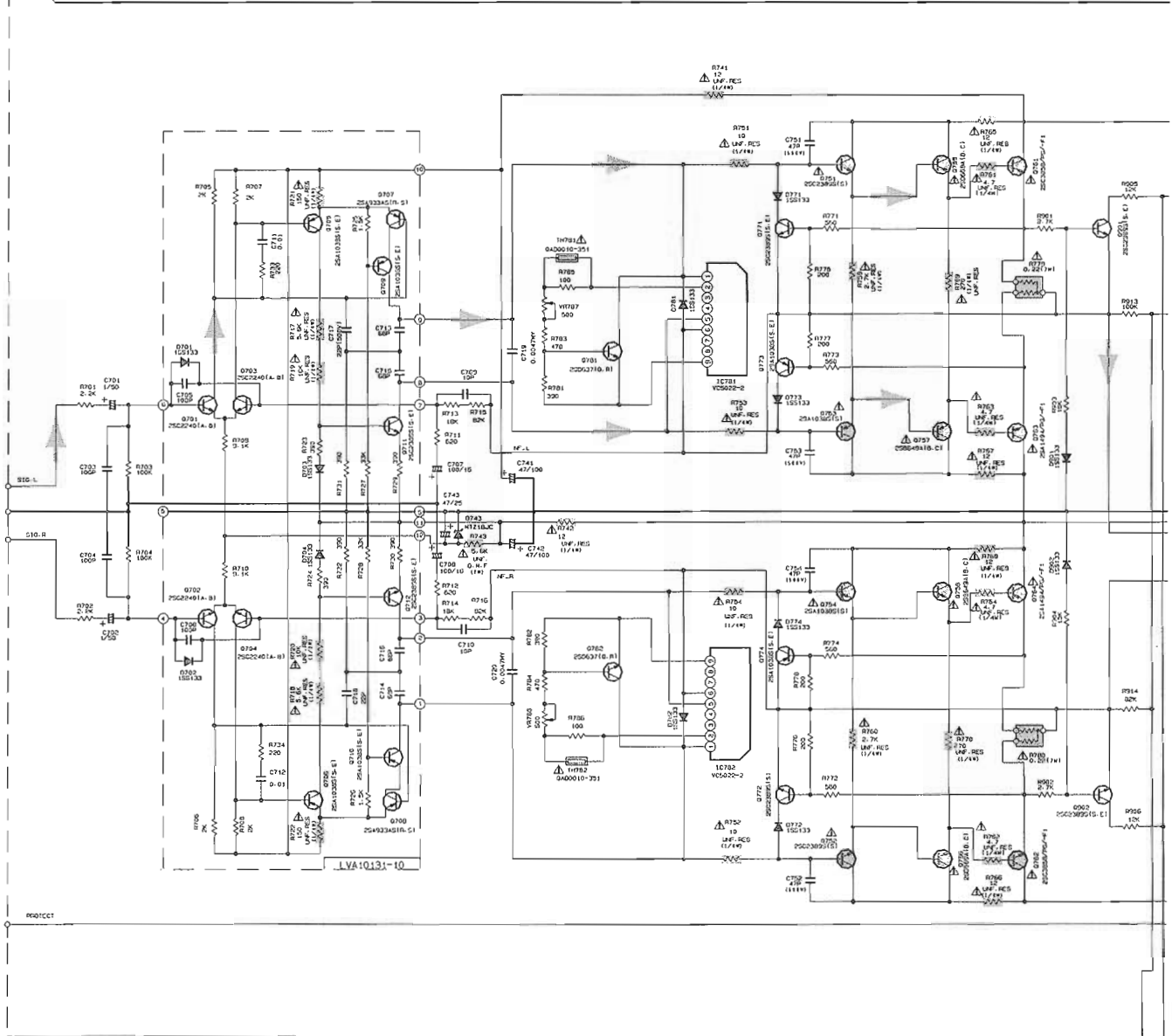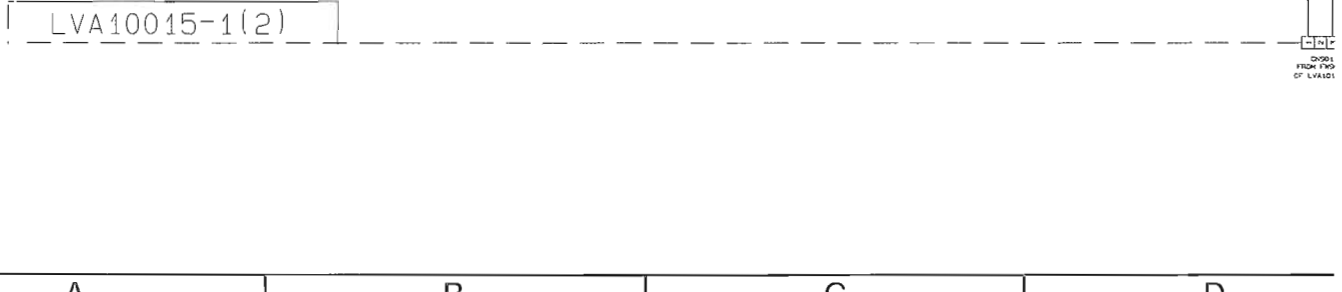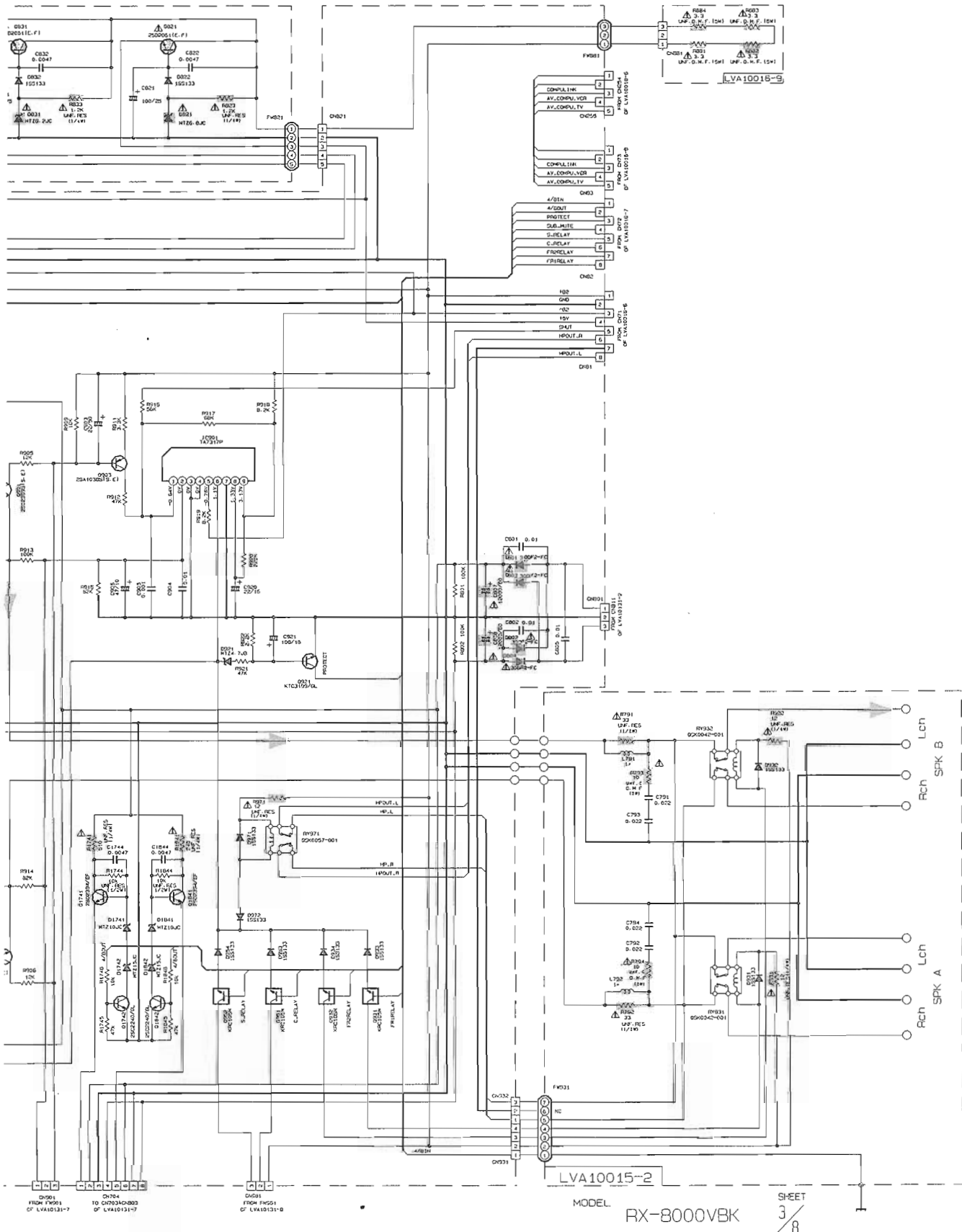
AUDIO Signal

⚠ Parts are safety assurance parts.
When replacing those parts make
sure to use the specified one.

MODEL RX-8000VBK   SHEET 3/8

Center / Rear amplifier section

LVA10131-7

LVA10131-8

CN703
TO CN704
OF LVA10015-1

FW501
TO CN901
OF LVA10015-1
NC

CN803
TO CN704
OF LVA10015-1

FW961
TO CN952
OF LVA10015-1

CN952

CN951
C
CG
SL
SLG
SRG
SR

Cch
SLch
SRch

SPEAKER
TERMINAL
ST951

RY951
0SK0109-001

RY952
0SK0109-001

D951 1SS133

D952 1SS133
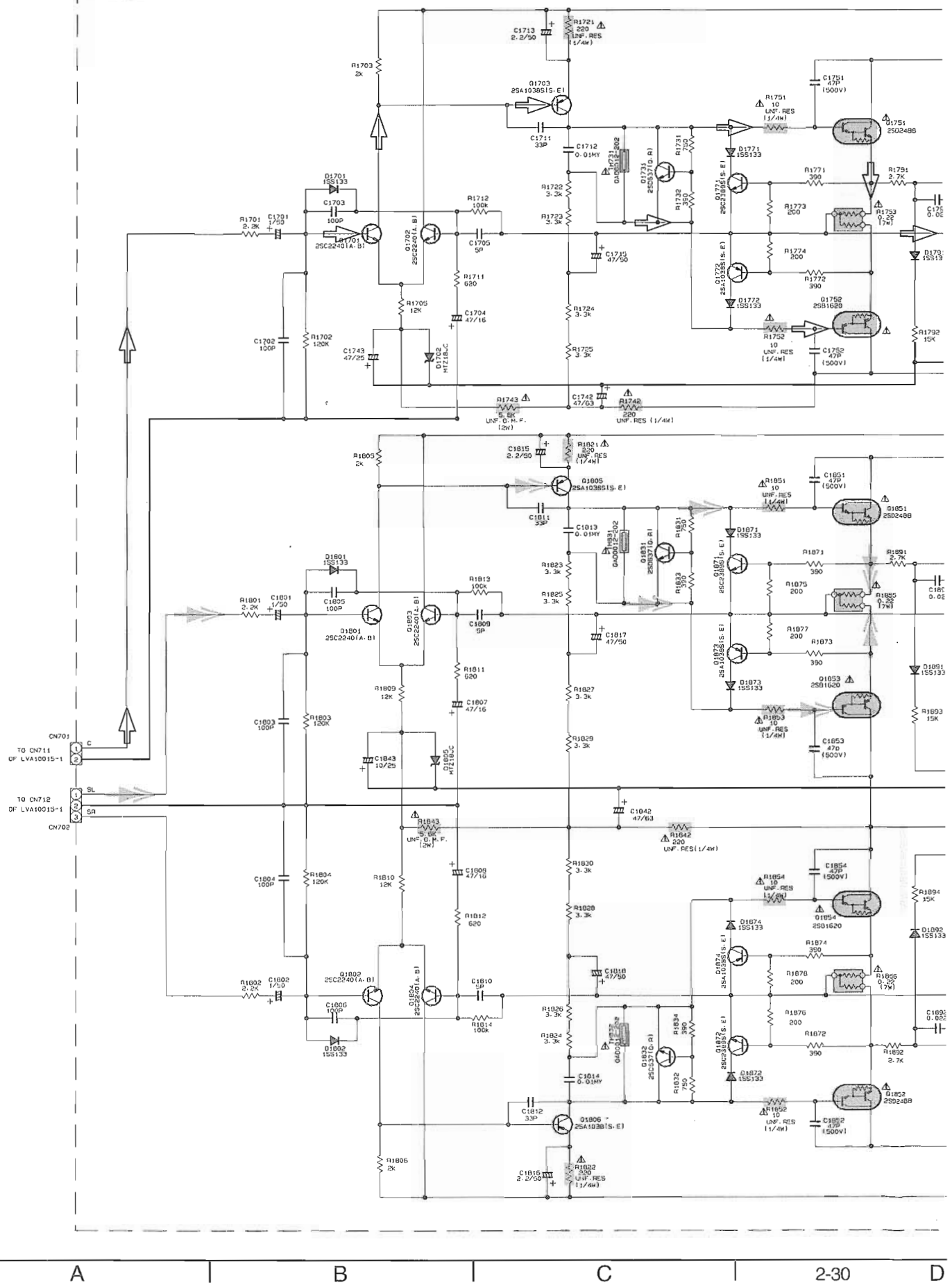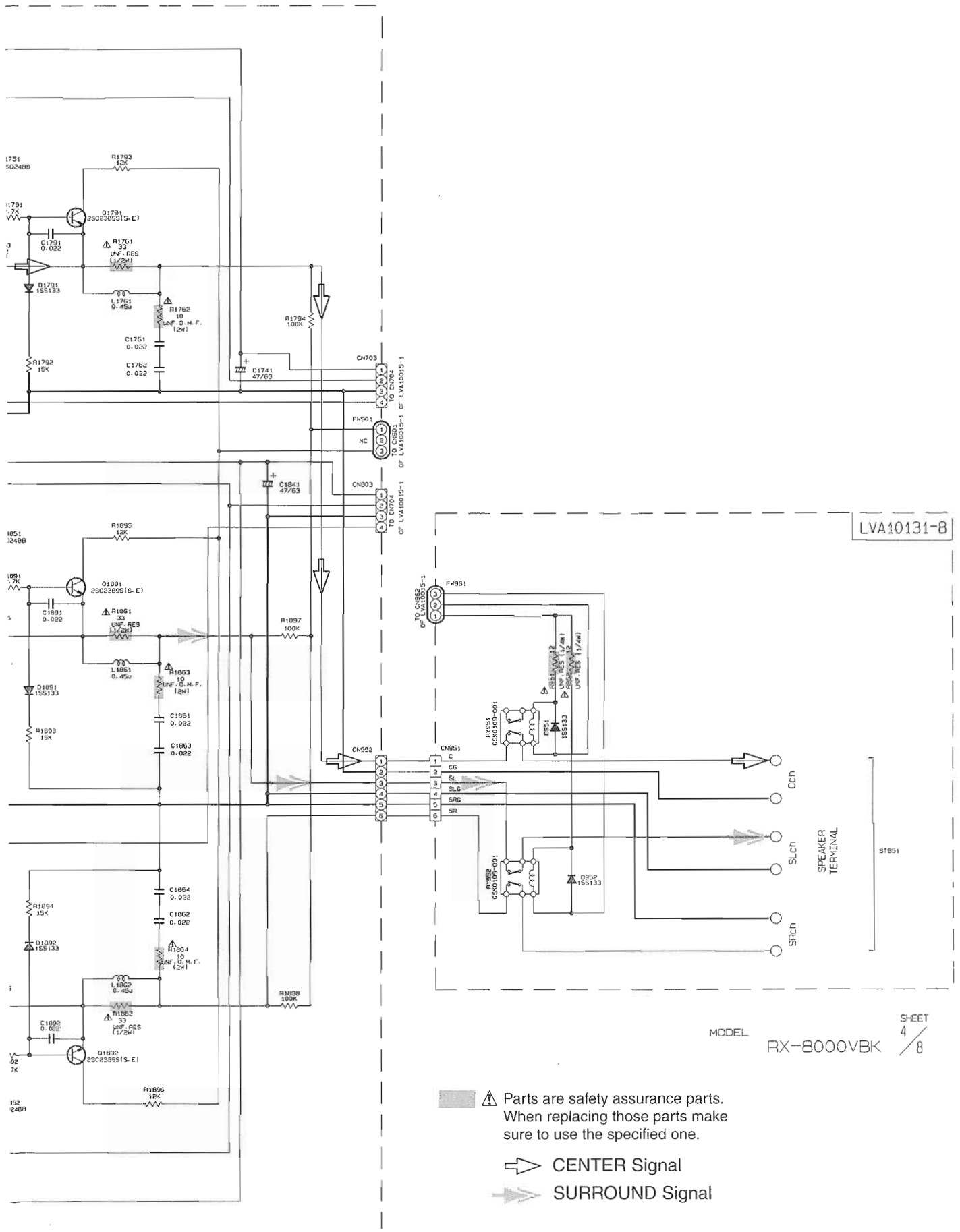
MODEL
RX-8000VBK

SHEET
4/8

⚠ Parts are safety assurance parts.
When replacing those parts make
sure to use the specified one.

➡ CENTER Signal

➤ SURROUND Signal

D   E   F   G   H

■ Audio signal section

LVA10018-1
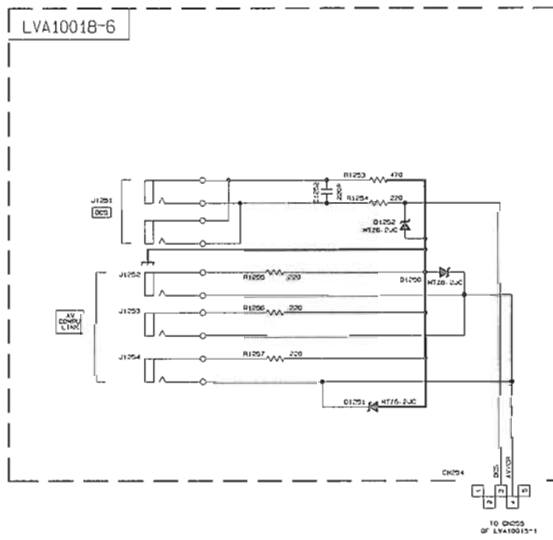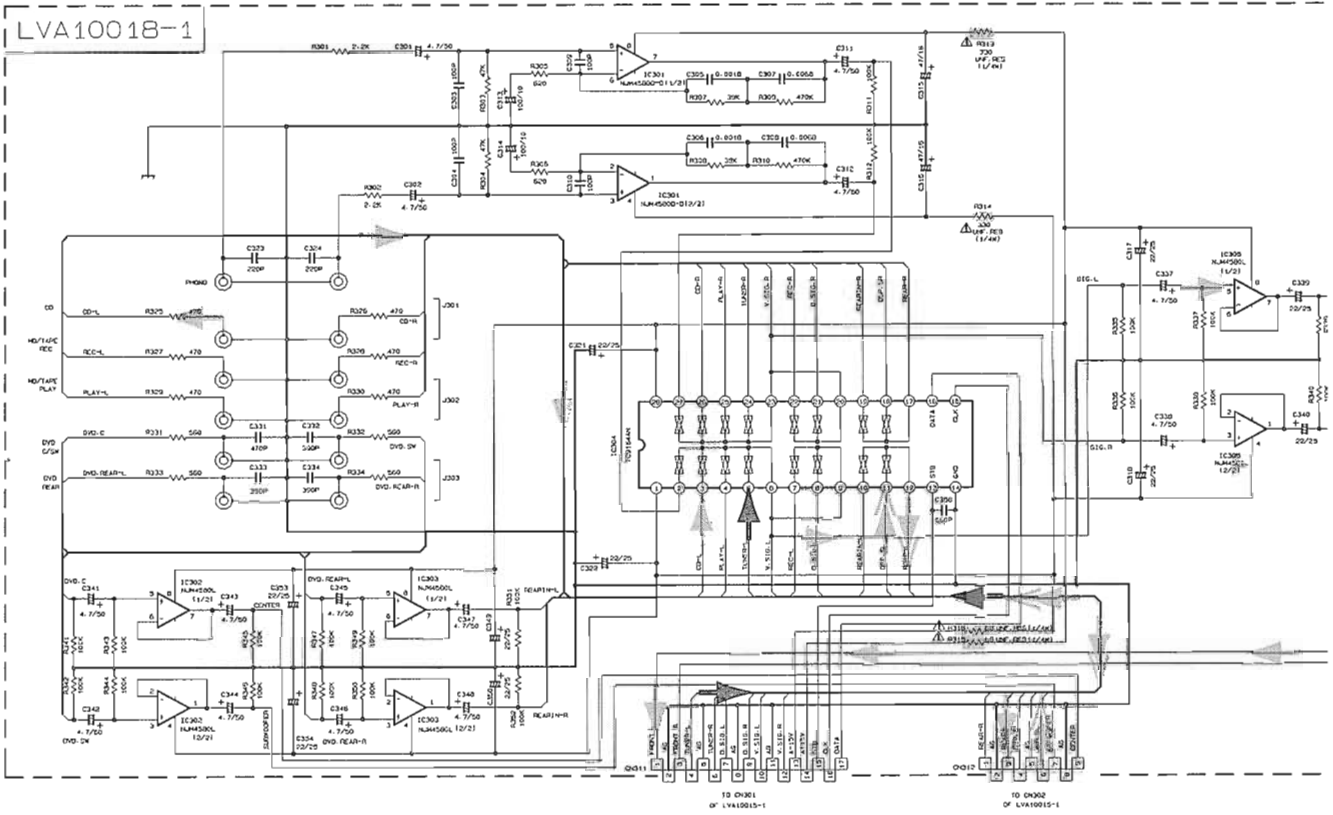
LVA10018-6

LVA10018-2
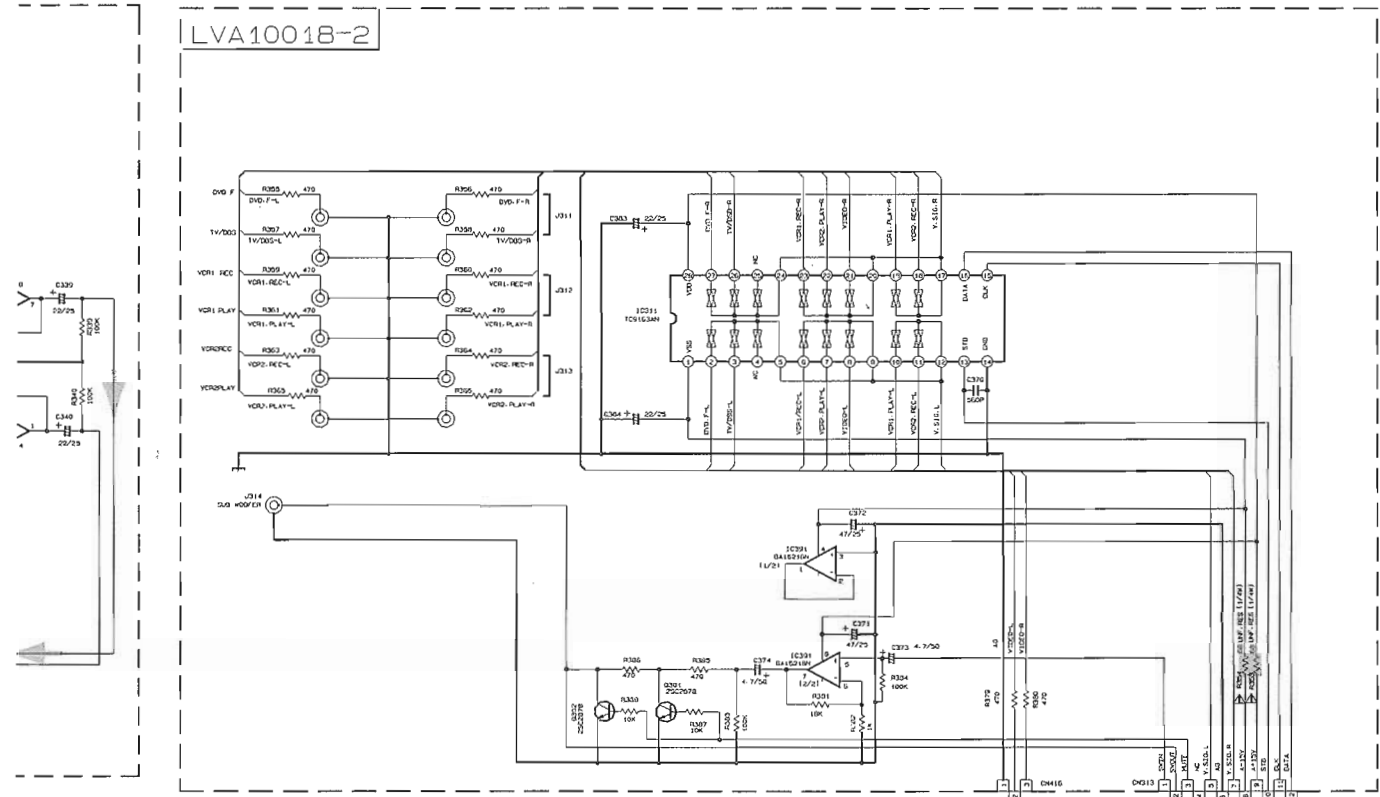
CD / AUDIO Signal

TUNER Signal

SURROUND Signal

MODEL RX-8000VBK

SHEET 5/8

⚠ Parts are safety assurance parts.
When replacing those parts make
sure to use the specified one.

■ Video signal section
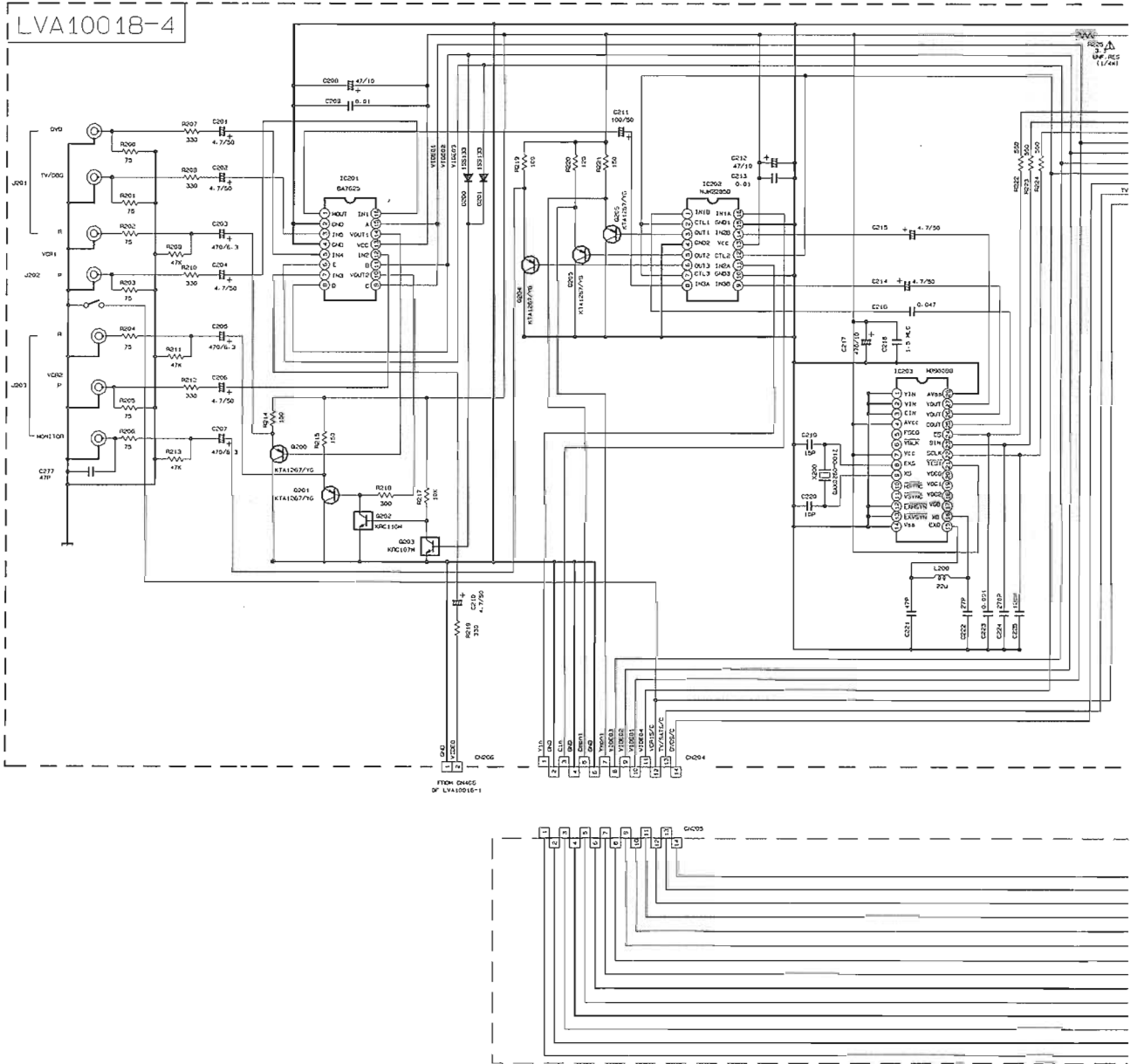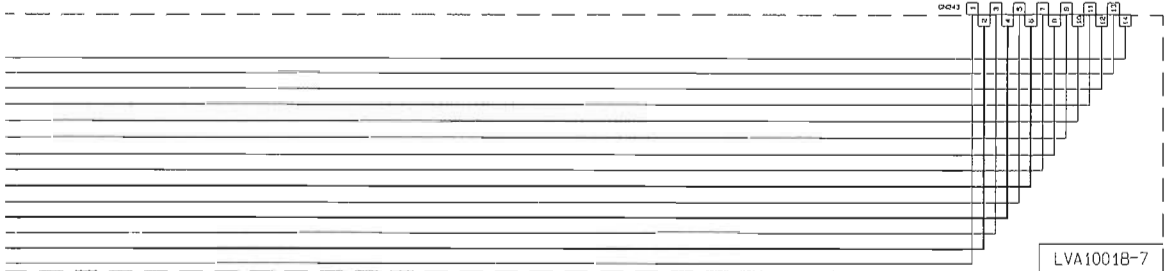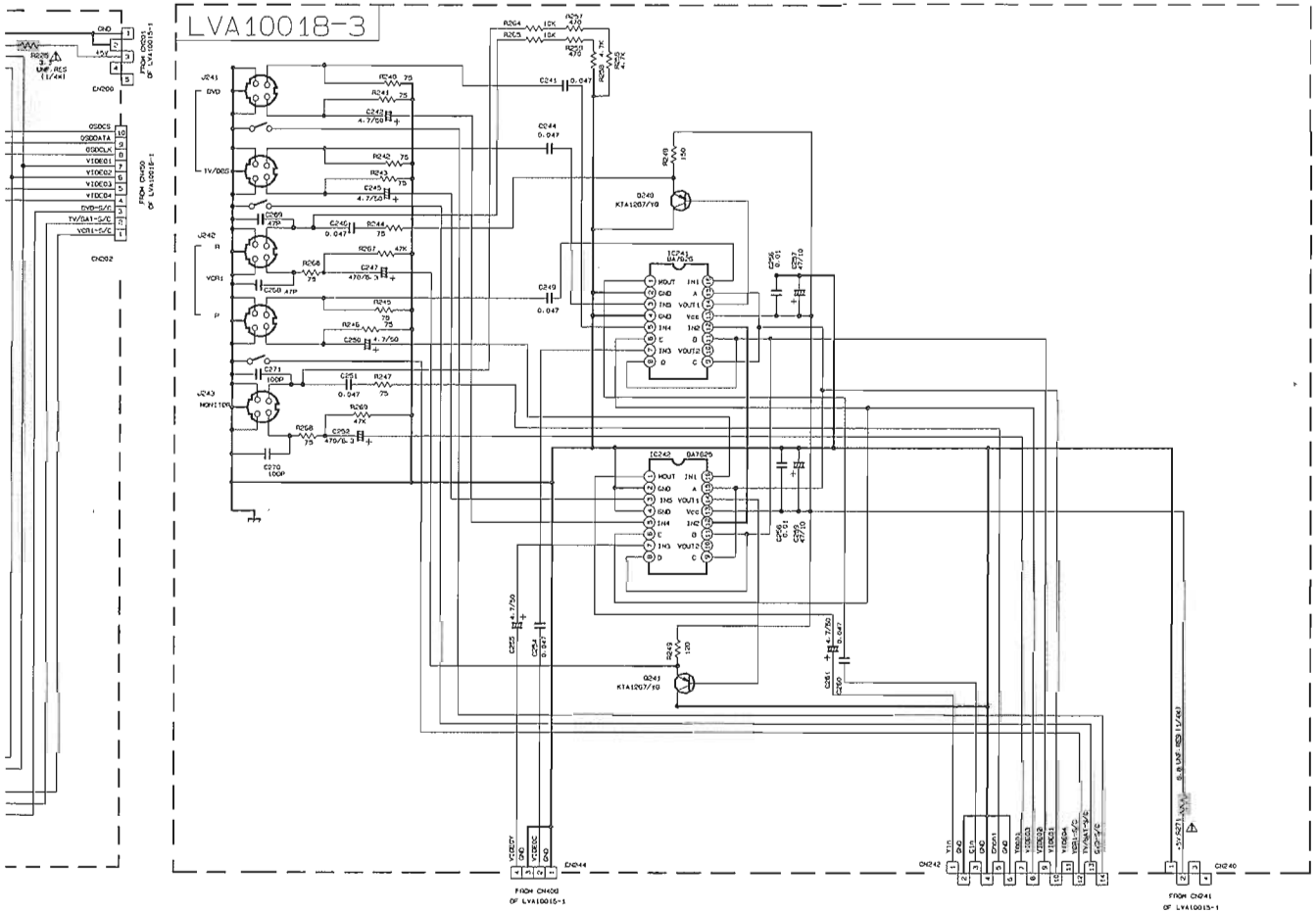
LVA10018-3

LVA10018-7

MODEL
RX-8000VBK

SHEET
6/8

⚠ Parts are safety assurance parts.
When replacing those parts make
sure to use the specified one.

D   E   F   G   H

■FL Display & System control section

LVA10016-1
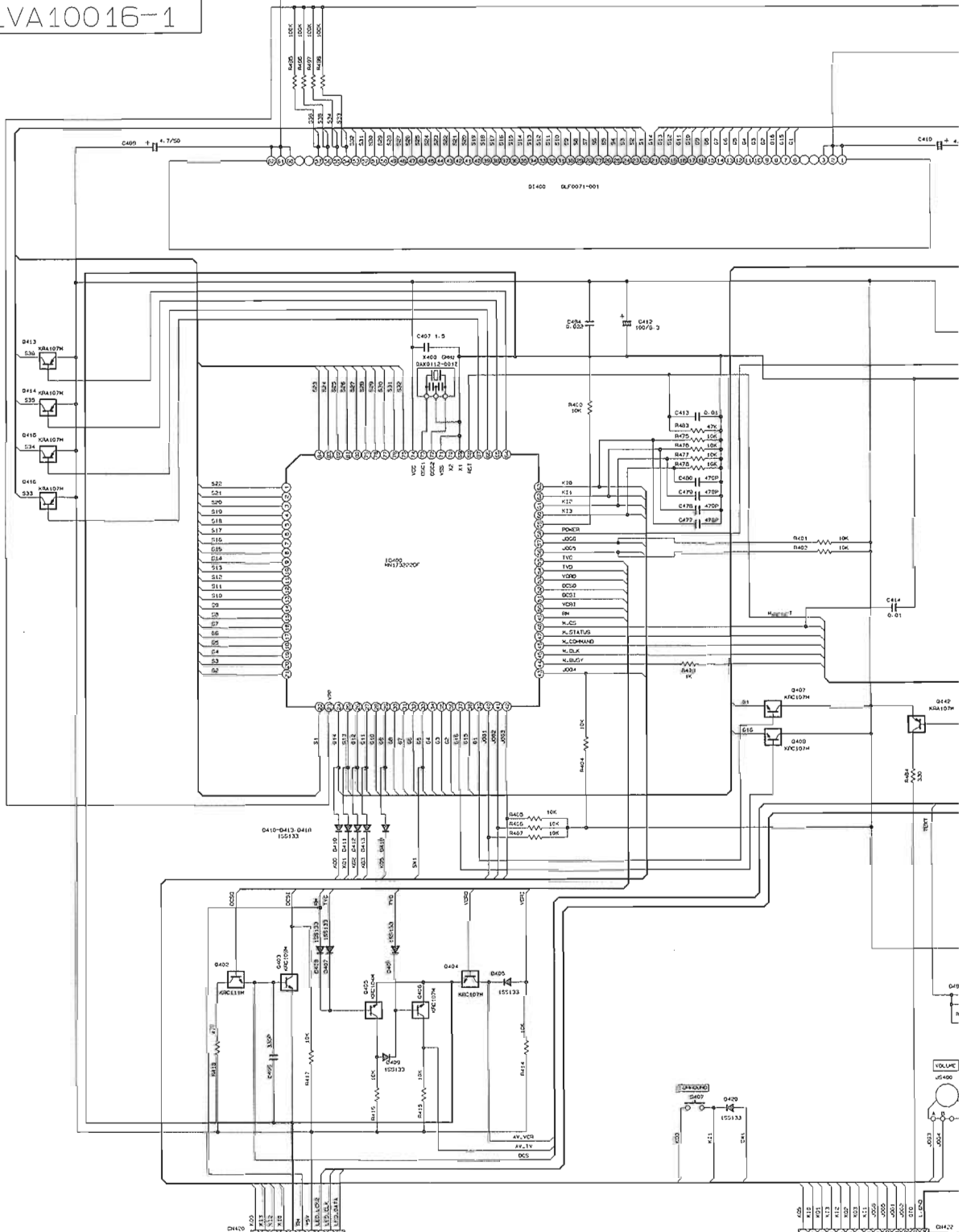
LVA10016-2
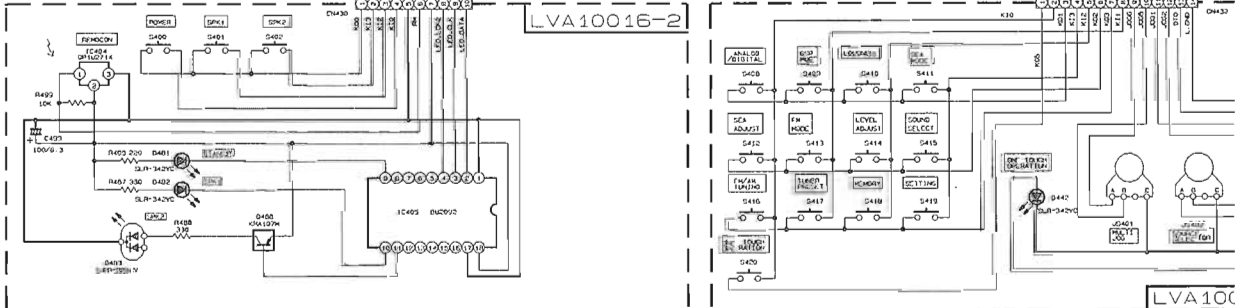
LVA100
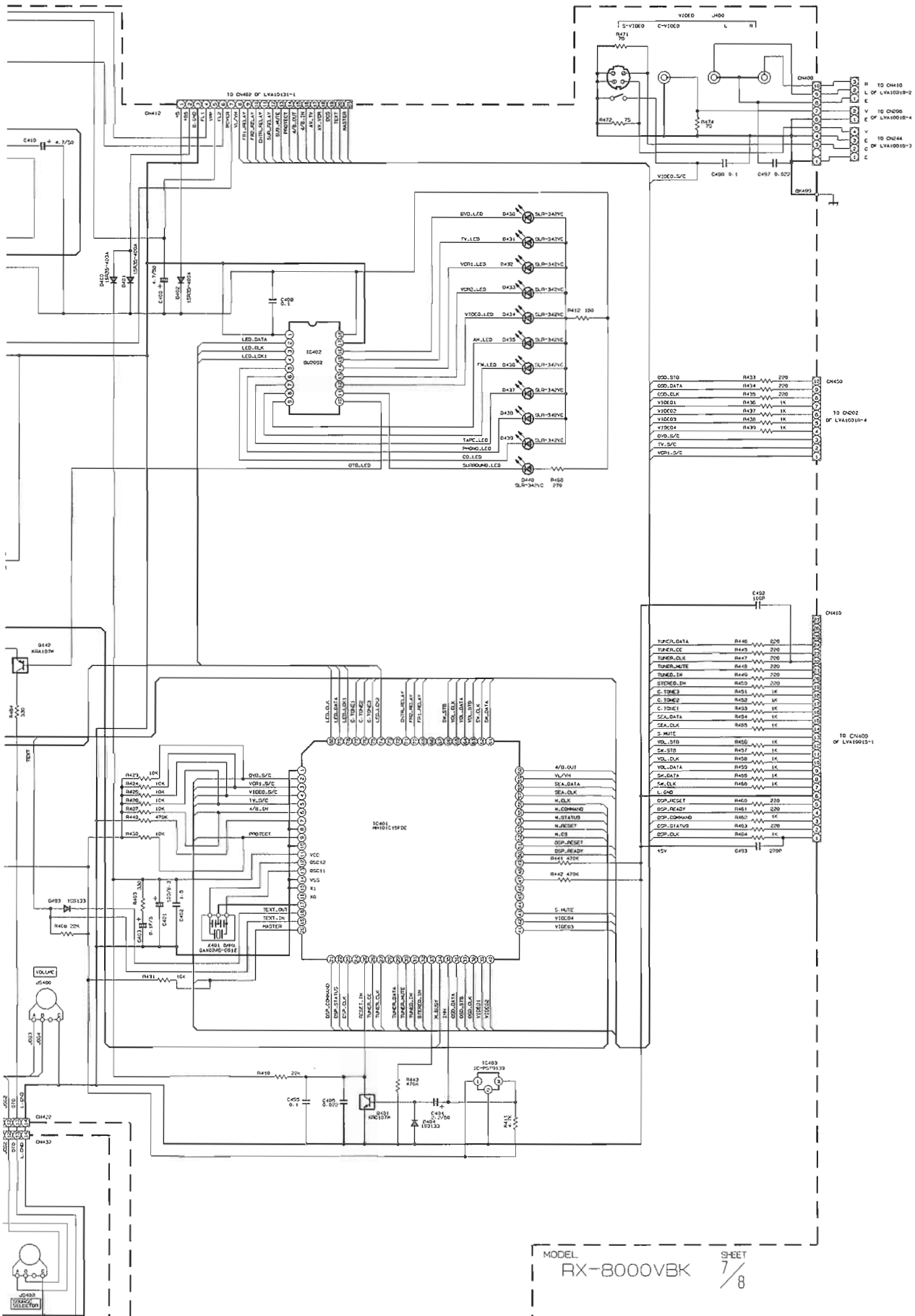
■ DSP Section

LVA10086
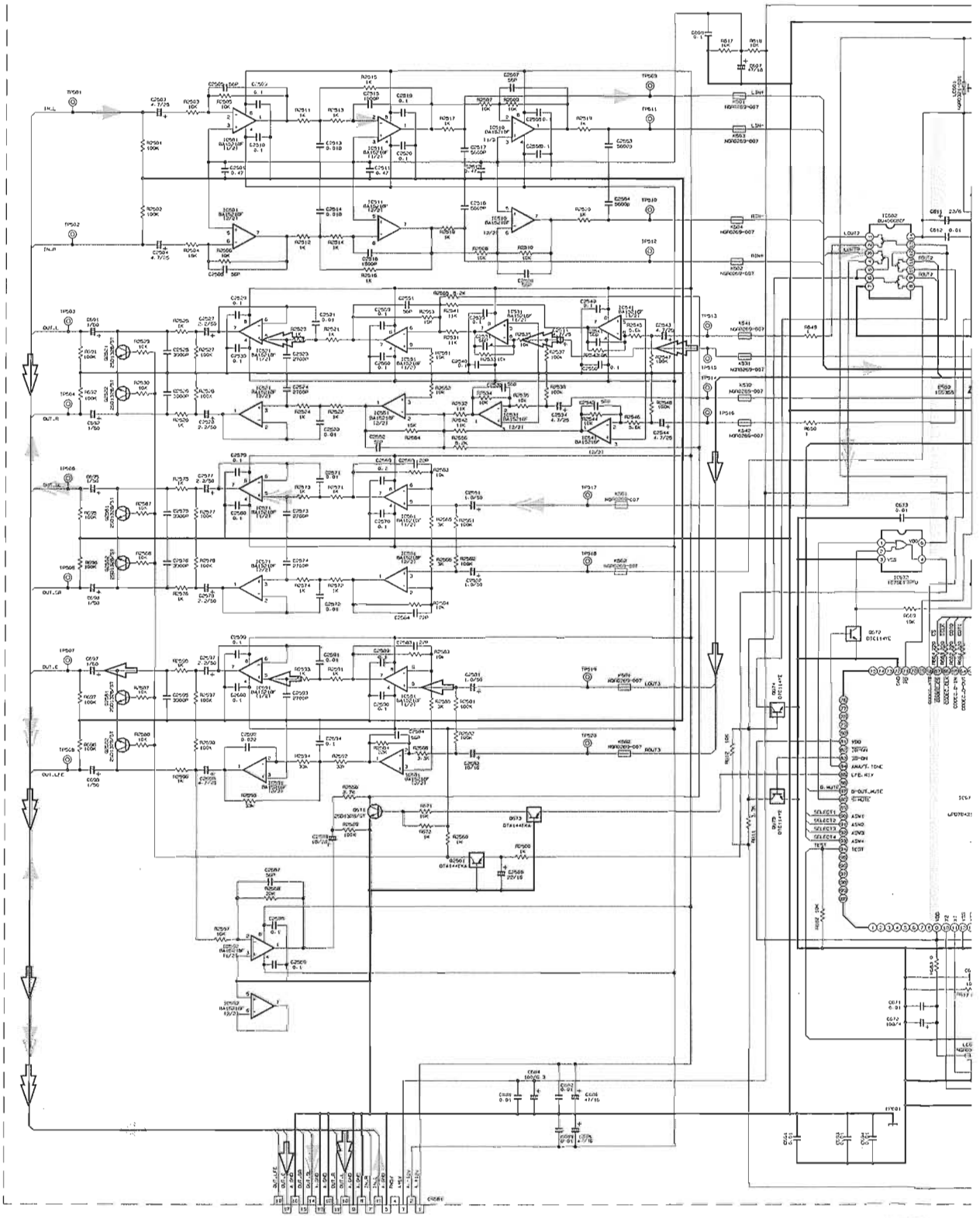
SURROUND Signal → AUDIO Signal

CENTER Signal ⇨ FRONT Signal
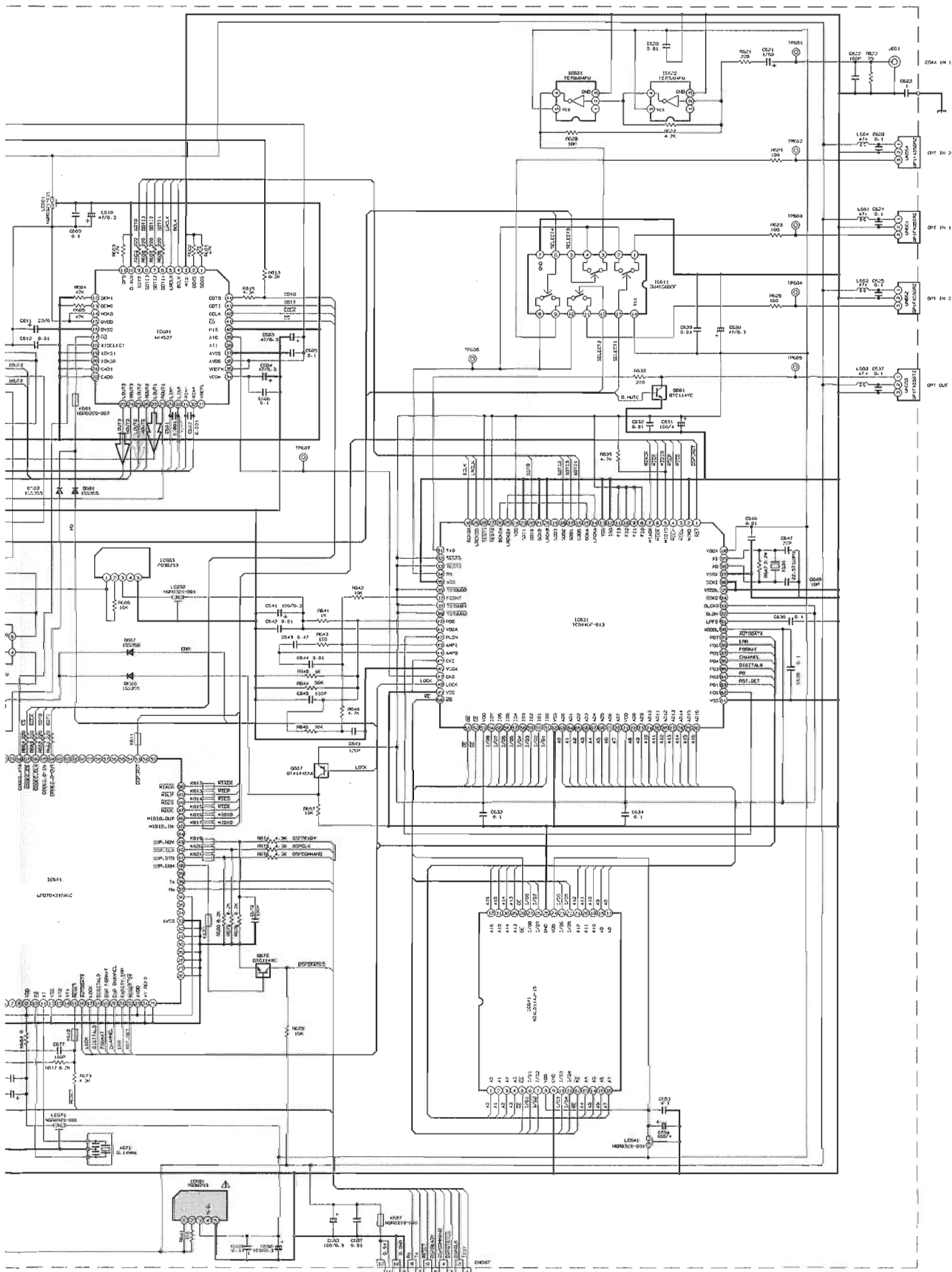
A   B   C   D

MODEL RX-8000VBK

SHEET 8/8

D | E | F | G | H

Tuner section

FOR J, C, U, A

LVA10009

FM RF

RF101
QAU0124-002

| ANT | GND | GND | +B | VT | OSCOUT | GND | IFOUT |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |

FM IF AMP

C129
0.001

C128
0.47/50

R127
8.2K

FM75Ω

D125

D124

R103
220

Q104
2.7K

R106
1K

Q103
2SC461/BC

C123
0.047

C101
0.01

Q102
2SC535/BC

R109
220

R124
2.2K

GND

CF101
QAX0419-001Z

R105
390

R107
390

C105
0.022

R108
3.3K

C107
22/16

AM

AT101
QN30014-001

IC121
LC7213BN

| 22 | 21 | 20 | 19 | 18 | 17 | 16 | 15 | 14 | 13 | 12 |
| XIN | VSS | LPFout | LPFin | PD | VDD | FMOSC | AMOSC | IF FEQ | FM/AM IF |

X121
QAX0402-001

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| XOUT | FK | CE | DI | CK | DO | ST/MONO | AM/FM | SDIN |

C121
12P

C122
12P

MW RF&OSC

T111
GGR0796-001

R184
10K

R119
10K

C111
0.047

C112
12P

R115
100K

R134
1K

R129 2.2K

C103
0.022

TP101
V. TUNE

R128
4.7K

C130
100/10

R130

68(1/4WIF.RES.

NOTE C139 AND C140 ARE CHANGED
AS BELOW TABLE.

	C139, C140
J.C	0.033
U.A	0.022

D124 AND D125 ARE USED
IN J/C VERSION ONLY

| 5 | 4 | 3 | 2 | 1 |

| A | B | C | D |

FM/TUNER Signal

/s/R/STDTUPWB4

TO CN101

Printed circuit boards
■ Main board

■ FL Display & System control board

C

B

A

CN430

S402

D483

R488

R499

IC404

R489

C404

D487

R490

D486

D484

IC405

S401

D482

R487

C468

R488

D489

D485

S400

C499

R485

D481

C471

C472

CN71

CN62

CN51

CN72

CN63

CN73

S411

S409

S412

S414

R683

R682

R684

R681

CN681

R1345

C1356

R1359

Q412

Q411

Q413

Q414

Q415

Q416

C412

Q410

Q409

C409

C400

CN412

RA403

RA402

RA401

R496

R495

C407

R468

D402

D401

D400

R498

R497

X400

D440

S407

IC400

C494

C477

C478

C479

D458

D457

IC402

C413

C480

R492

R491

D459

S404

S452

S453

S405

Q457

D420

D431

C414

S403

S451

S406

S454

Q458

R479

R476

R478

R475

CN420

D488

R483

R493

D407

T3A

D406

Q459

D405

D408

D477

Q409

D416

D415

R416

R477

D403

R408

R417

D402

D416

C406

R414

R413

R416

Q404

Q406

Q405

C E F G

2-37

■ Input / output board

5

4

3

2

1

CN205
CN243

14
1

14
1

4

R1201L
R1200
C1216
C1200
R1206 R1207
Q1200
R1208
C1206 C1205
R1209 R1210
R1211
Q1201 R1212
R1214
R1213
Q1202
C1208
R1215
C1212
C1207
Q1206

J1201

C1201
C1201 R1217
R1218
C1210 C1209
Q1203
R1219 R1220
R1221 R1222
R1223 R1224
Q1204
Q1205
R1225
Q1207
C1211

CN252

14
1

K1201
J1202
C1203
R1203
R1205
C1215
R1202 C1214 R1204
C1202

C1213
R1226

CN250
4 1

3

TID
J1250
C1251 C1250 R1252 R1251
R1250
R1254
SW200
J1251
D1252
C1252
R1253
J1252 R1255
D1250
J1253
R1256 D1251
J1254 J1252
CN254
BK333

CN204

14
1

R200
R207
C201
J201
R201
R208
C202
R214
C203
R202 R200
C209 C208
C204 J202
R210
R215 R216
R203
C205 R211 Q201
Q202
R204 Q203 R217
C206
R205 R212
C203
C207
R206
R213
C277
IC201
18
1
9
8
CN200
5
1
R225
D200
C217

IC314
C377 R355 C396
C378 R356
R399 C391
R379
R380
C367
C357 C135
J311 C379 R357 C395
C380 R358
C381 R359
C364
C360 C362
J312 C392 IC311
C393 R361
C384 R362
28
C385 C361
R363 C363
J313 C386 R364
R398
C387 R365 D393
C368 R366 D994
C354
C369 R353 R367
J314 C368 CN313 R388
C369 C373

■Power AMP. & Power supply board

C B A

5

4

3

2

1

R721 R717 R719 Q705 R727 R725 Q709 Q707 Q708 Q710 R726 R728 Q706 R720 R718
R723 Q711 R722
Q701 Q702 Q704 R724 Q712
Q703 C117 R739 C711 R731 R732 C712 R734 C718 R729 C705 R705 Q701 R709 R708 C716 C714 R730
R729 R703 D701 D702 D704
C705 C706 R710
CN705

F62
FC64 FC63
2A-125V
F61
FC62 FC61
2A-125V
R62
CN811
RY62
B2231
CN56
CN55
B2002
RY63
D66
D68
R61

R73 C73 R70 C67 R69 R68 D65
Q71 D74
CN51 CN52 CN53
EP51
R72
R66
D71
D73
C71
D72
C70
C68 C69
C62
C66 D62 D64 C63
THT1
FW51
R55
D61 D63
C52 R67 C51
C54 D54 D53
C65
D52 D51 C51
R53
D53
D57
PW29
PW31
PW28 PW32
RY1
C1
FC4 FC3 PW40
F2

Q1853 Q1851 Q1752 Q1731 Q1751
C1853 C1705 C1712 D1772 R1733 C1752
R1853 C1813 R1851 R1833 R1875 R1871 R1772 R1732 R1774 R1773 R1751 Q1703
R1821 C1815 R1835 TH531 D1871 D1701 R1711 TH731 C1754 C1713 R1721
C1811 R1817 C1605 D1801 R1753
D1805 R1855 R1881 C1807 D1802 C1703 R1762 D1771 R1743
R1923 C1843 O1803 Q1701 D1702 L1761 C1715
R1825 L1861 R1805 R1891 R1601 R1703 R1761 R1791 C1761 R1723 R1724 R1742
C1817 R1893 C1863 D1891 R1895 R1702 C1762 R1722 R1725 C1742
R1827 C1841 Q1891 R1853 R1701 R1793 R1794 Q1791 C1791 R1792 D1791 R1705 D1792 R1743 C1741
L1863 R1897 L1762 C1714 C1791

CN803 CN702 CN952 CN701 CN703

■ DSP board

Reverse side

Forward side

S1B

LVA10086

A1

T1B

⅃LMARK LVB10086-001B

■Tuner board

PARTS LIST

[RX-8000VBK]

* All printed circuit boards and its assemblies are not available as service parts.

```
Area suffix

J ---------------------- The U.S.A.
C ------------------------ Canada
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- Contents -

-MEMO-

Exploded view of general assembly and parts list

DSP board

S-Video board

Video board

V-Audio board

Audio board

Trans board

Main board

AC supply board

◼ Parts list (General assembly)

⚠	Item	Parts number	Parts name	Q'ty	Description	Area
	1	LV10018-035A	FRONT PANEL	1		
	2	VJD5429-001SS	JVC MARK	1		
	3	LV20031-018A	LENS	1		
	4	LV20032-011A	FRONT ESC	1		
	5	LV20034-001A	PUSH BUTTON	1		
	6	LV40099-001A	INDICATOR	1		
	7	QYSDSF2608Z	SCREW	19		
	8	LV30068-001A	P.BUTTON(POWER)	1		
	9	FSJD4001-002	INDICATOR	1	POWER	
	10	LV30069-001A	P.BUTTON ASSY	1		
	11	LV30071-001A	P.BUTTON ASSY	1	DOLBY	
	13	E308744-002	REMOTE LENS	1		
	14	LV30073-001A	SOURCE INDICATO	1		
	15	QUQC12-2120CJ	CARD WIRE	1		
	16	QUQC12-2722CJ	CARD WIRE	1		
	17	QYSDSG3008M	SCREW	5	FRONT D	
	18	QYSBSG3008E	T.SCREW	8		
	19	LV10019-002A	CHASSIS BASE	1		
	20	EXO150010H09S11	FELT SPACER	1	FOR C.BASE	
	21	LV10020-001A	FRONT BRACKET	1		
	22	QYSDSG3008E	T.SCREW	7	C.B-F.B	
	23	LE40139-001A	H.P. BKT	1		
	24	E68587-223SM	CB BKT	3		
	25	QYSBST3006E	T.SCREW	7		
	26	QZF6018-001	FOOT	2		
	27	E47227-036	FOOT	2		
	28	QYSBST3010Z	T.SCREW	4	FOOT	
	29	LV30075-203A	HEAT SINK	1		
⚠	30	2SC3858/PG/-F1	TRANSISTOR	2	Q761.Q762	
⚠	31	2SA1494/PG/-F1	TRANSISTOR	2	Q763.Q764	
⚠	32	2SD2488/Z1/-F1	TRANSISTOR	2	Q1851.Q1852	
⚠		2SD2488/Z1/-F1	TRANSISTOR	1	Q1751	
⚠	33	2SB1620/OP/-F1	TRANSISTOR	1	Q1752	
⚠		2SB1620/OP/-F1	TRANSISTOR	2	Q1853.Q1854	
	34	E73525-003SS	SCREW	14	TR	
	35	LV41603-001A	LEAF SPRING	1		
	36	LV20035-001A	H.S BRACKET(R)	1		
	37	LV20036-001A	H.S BRACKET(L)	1		
	38	QYSBSGG3008E	T.SCREW	17		
	39	VKZ4150-001	SPECIAL NUT	1	H.P	
⚠	40	QQT0211-001	POWER TRANSF	1		
	41	QYSDSTL4008E	SPECIAL SCREW	4	P.TRANS	
	42	LV10021-067A	REAR PANEL	1		
	43	QYSBSGY3008E	SPECIAL SCREW	34		
	44	E302321-001	FASTNER	1	SPACER	
	45	LV41240-002A	BRACKET	1		
	48	E409257-001	GND TERMINAL	1		
⚠	49	QMPD220-200-JD	POWER CORD	1		

◼ Parts list (General assembly)

Block No. M1MM

⚠	Item	Parts number	Parts name	Q'ty	Description	Area
⚠	50	QHS3771-108	CORD STOPPER	1		
	51	LV30076-001A	PROTECTOR	1		
	52	LV20038-006A	TOP COVER	1		
	53	E406308-003	SPECIAL SCREW	4		
	54	LV30480-004A	VOL KNOB ASS'Y	1		
	55	LV30481-001A	JOG KNOB ASS'Y	2		
⚠	56	QMF51U1-6R3-J8	FUSE	1	F1	
⚠	57	QMF51U1-2R0-J8	FUSE	2	F61.F62	
⚠	59	E409394-001	CAUTION LABEL	1	VER.J	
⚠		E409396-001	CAUTION LABEL	1	VER.C	
	60	E310243-002	PLASTIC RIVET	1		
	73	E408632-002	C=CSA LABEL	1	VER.C	
⚠	74	E67199-001	CAUTION LABEL	1	VER.J	
⚠		E65507-001	CAUTION LABEL	1	VER.C	
	75	QYSBSG3008E	T.SCREW	1	TR(LEAF)	
	88	QYSBSG3008E	T.SCREW	3		

Electrical parts list

■ Electrical parts list (Main board)   Block No. 01

⚠	Item	Parts number	Parts name	Remarks	Area
	C 701	QETN1HM-105Z	E CAPACITOR	1.0MF 20% 50V	
	C 702	QETN1HM-105Z	E CAPACITOR	1.0MF 20% 50V	
	C 703	QCS11HJ-101	C CAPACITOR	100PF 5% 50V	
	C 704	QCS11HJ-101	C CAPACITOR	100PF 5% 50V	
	C 707	QETN1CM-107Z	E CAPACITOR	100MF 20% 16V	
	C 708	QETN1CM-107Z	E CAPACITOR	100MF 20% 16V	
	C 709	QCS11HJ-100	C CAPACITOR	10PF 5% 50V	
	C 710	QCS11HJ-100	C CAPACITOR	10PF 5% 50V	
	C 719	QFLC1HJ-472Z	M CAPACITOR	4700PF 5% 50V	
	C 720	QFLC1HJ-472Z	M CAPACITOR	4700PF 5% 50V	
	C 741	QETN2AM-476Z	E CAPACITOR	47MF 20% 100V	
	C 742	QETN2AM-476Z	E CAPACITOR	47MF 20% 100V	
	C 743	QETN1EM-476Z	E CAPACITOR	47MF 20% 25V	
	C 744	QCF31HZ-472Z	C CAPACITOR	4700PF +80:-20%	
	C 751	QCS32HJ-470Z	C CAPACITOR	47PF 5% 500V	
	C 752	QCS32HJ-470Z	C CAPACITOR	47PF 5% 500V	
	C 753	QCS32HJ-470Z	C CAPACITOR	47PF 5% 500V	
	C 754	QCS32HJ-470Z	C CAPACITOR	47PF 5% 500V	
	C 791	QFLC1HJ-473Z	M CAPACITOR	.047MF 5% 50V	
	C 792	QFLC1HJ-473Z	M CAPACITOR	.047MF 5% 50V	
	C 793	QFLC1HJ-473Z	M CAPACITOR	.047MF 5% 50V	
	C 794	QFLC1HJ-473Z	M CAPACITOR	.047MF 5% 50V	
	C 801	QCE22HP-103	C CAPACITOR	.010MF +100:-0%	
	C 802	QCE22HP-103	C CAPACITOR	.010MF +100:-0%	
	C 805	QCE22HP-103	C CAPACITOR	.010MF +100:-0%	
	C 807	QEZ0490-129	E CAPACITOR	12000MF	
	C 808	QEZ0490-129	E CAPACITOR	12000MF	
	C 821	QEHC1EM-107Z	E CAPACITOR	100MF 20% 25V	
	C 822	QCF31HZ-472Z	C CAPACITOR	4700PF +80:-20%	
	C 831	QEHC1EM-107Z	E CAPACITOR	100MF 20% 25V	
	C 832	QCF31HZ-472Z	C CAPACITOR	4700PF +80:-20%	
	C 841	QEHC1EM-107Z	E CAPACITOR	100MF 20% 25V	
	C 842	QCF31HZ-472Z	C CAPACITOR	4700PF +80:-20%	
	C 851	QEHC1EM-107Z	E CAPACITOR	100MF 20% 25V	
	C 852	QCF31HZ-472Z	C CAPACITOR	4700PF +80:-20%	
	C 861	QEHC1EM-107Z	E CAPACITOR	100MF 20% 25V	
	C 862	QCF31HZ-472Z	C CAPACITOR	4700PF +80:-20%	
	C 871	QEHC1EM-107Z	E CAPACITOR	100MF 20% 25V	
	C 872	QCF31HZ-472Z	C CAPACITOR	4700PF +80:-20%	
	C 875	QETN0JM-477Z	E CAPACITOR	470MF 20% 6.3V	
	C 903	QER61HM-226Z	E CAPACITOR	22MF 20% 50V	
	C 904	QCF11HZ-103	C CAPACITOR	.010MF +80:-20%	
	C 905	QCB31HK-102Z	C CAPACITOR	1000PF 10% 50V	
	C 906	QETN1EM-476Z	E CAPACITOR	47MF 20% 25V	
	C 920	QETN1HM-226Z	E CAPACITOR	22MF 20% 50V	
	C 921	QER61CM-107Z	E CAPACITOR	100MF 20% 16V	
	CN 81	QGB2510J1-08	CONNECTOR		
	CN 82	QGB2510J1-08	CONNECTOR		
	CN 83	QGB2510J1-05	CONNECTOR		
	CN101	QGB2501J1-12	CONNECTOR		
	CN201	QGB2510J1-05	CONNECTOR		
	CN241	QGB2510J1-04	CONNECTOR		
	CN255	QGB2510J1-05	CONNECTOR		
	CN301	QGB2510J1-17	CONNECTOR		
	CN302	QGB2510J1-09	CONNECTOR		
	CN303	QGB2510J1-12	CONNECTOR		
	CN342	QGB2510J1-08	CONNECTOR		
	CN400	QGF1205C1-27	CONNECTOR		
	CN452	QGB2510J1-09	CONNECTOR		
	CN501	QGB1214J3-18S	CONNECTOR		
	CN601	QGB1214J3-12S	CONNECTOR		
	CN704	QGA3901C1-08	8P CONNECTOR		
	CN706	QGB2510J1-12	CONNECTOR		
	CN711	QGA2501C1-02	2P CONNECTOR		
	CN712	QGA2501C1-03	3P CONNECTOR		
	CN801	QJK012-032803	SKT WIRE ASSY		
	CN821	QGD2501C1-05Z	SOCKET		

⚠	Item	Parts number	Parts name	Remarks	Area
	CN901	QGD2501C1-03Z	SOCKET		
	CN931	QGD2501C1-04Z	SOCKET		
	CN932	QGD2501C1-03Z	SOCKET		
	CN961	QGD2501C1-03Z	SOCKET		
	C1301	QETN1EM-476Z	E CAPACITOR	47MF 20% 25V	
	C1302	QETN1EM-476Z	E CAPACITOR	47MF 20% 25V	
	C1309	QFVJ1HJ-224Z	CAPACITOR	.22MF 5% 50V	
	C1310	QFVJ1HJ-224Z	CAPACITOR	.22MF 5% 50V	
	C1311	QETN1HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C1312	QETN1HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C1313	QETN1HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C1314	QETN1HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C1315	QETN1EM-476Z	E CAPACITOR	47MF 20% 25V	
	C1316	QETN1EM-476Z	E CAPACITOR	47MF 20% 25V	
	C1319	QCBB1HK-221Y	C CAPACITOR	220PF 10% 50V	
	C1321	QETN1HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C1322	QETN1HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C1323	QETN1HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C1324	QETN1HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C1325	QETN1EM-476Z	E CAPACITOR	47MF 20% 25V	
	C1326	QETN1EM-476Z	E CAPACITOR	47MF 20% 25V	
	C1329	QCBB1HK-221Y	C CAPACITOR	220PF 10% 50V	
	C1331	QETN1HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C1332	QETN1HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C1333	QETN1HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C1334	QETN1HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C1335	QETN1EM-476Z	E CAPACITOR	47MF 20% 25V	
	C1336	QETN1EM-476Z	E CAPACITOR	47MF 20% 25V	
	C1339	QCBB1HK-221Y	C CAPACITOR	220PF 10% 50V	
	C1361	QETN1HM-106Z	E CAPACITOR	10MF 20% 50V	
	C1362	QETN1HM-106Z	E CAPACITOR	10MF 20% 50V	
	C1369	QETN1EM-476Z	E CAPACITOR	47MF 20% 25V	
	C1370	QETN1EM-476Z	E CAPACITOR	47MF 20% 25V	
	C1371	QETN1HM-106Z	E CAPACITOR	10MF 20% 50V	
	C1372	QETN1HM-106Z	E CAPACITOR	10MF 20% 50V	
	C1379	QETN1EM-476Z	E CAPACITOR	47MF 20% 25V	
	C1380	QETN1EM-476Z	E CAPACITOR	47MF 20% 25V	
	C1381	QETN1HM-106Z	E CAPACITOR	10MF 20% 50V	
	C1382	QETN1HM-106Z	E CAPACITOR	10MF 20% 50V	
	C1389	QETN1EM-476Z	E CAPACITOR	47MF 20% 25V	
	C1390	QETN1EM-476Z	E CAPACITOR	47MF 20% 25V	
	C1391	QFLC1HJ-562Z	M CAPACITOR	5600PF 5% 50V	
	C1392	QFLC1HJ-562Z	M CAPACITOR	5600PF 5% 50V	
	C1405	QETN1CM-226Z	E CAPACITOR	22MF 20% 16V	
	C1406	QENC1HM-106Z	NP E CAPACITOR	10MF 20% 50V	
	C1744	QCF31HZ-472Z	C CAPACITOR	4700PF +80:-20%	
	C1844	QCF31HZ-472Z	C CAPACITOR	4700PF +80:-20%	
	D 741	MTZJ10C-T2	Z.DIODE		
	D 742	MTZJ16C-T2	Z.DIODE		
	D 743	MTZJ18C-T2	Z.DIODE		
	D 771	1SS133-T2	SI DIODE		
	D 772	1SS133-T2	SI DIODE		
	D 773	1SS133-T2	SI DIODE		
	D 774	1SS133-T2	SI DIODE		
	D 781	1SS133-T2	SI DIODE		
	D 782	1SS133-T2	SI DIODE		
⚠	D 801	30DF2-FC	DIODE		
⚠	D 802	30DF2-FC	DIODE		
⚠	D 803	30DF2-FC	DIODE		
⚠	D 804	30DF2-FC	DIODE		
	D 821	MTZJ6.8C-T2	Z DIODE		
	D 822	1SS133-T2	SI DIODE		
	D 831	MTZJ6.2C-T2	Z DIODE		
	D 832	1SS133-T2	SI DIODE		
	D 841	MTZJ6.2C-T2	Z DIODE		
	D 842	1SS133-T2	SI DIODE		
	D 851	MTZJ15C-T2	Z DIODE		

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⚠	Item	Parts number	Parts name	Remarks	Area
	D 852	1SS133-T2	SI DIODE		
	D 861	MTZJ15C-T2	Z DIODE		
	D 862	1SS133-T2	SI DIODE		
	D 871	MTZJ10C-T2	Z.DIODE		
	D 872	1SS133-T2	SI DIODE		
	D 901	1SS133-T2	SI DIODE		
	D 902	1SS133-T2	SI DIODE		
	D 921	MTZJ4.7B-T2	Z DIODE		
	D 931	1SS133-T2	SI DIODE		
	D 932	1SS133-T2	SI DIODE		
	D 933	1SS133-T2	SI DIODE		
	D 934	1SS133-T2	SI DIODE		
	D 953	1SS133-T2	SI DIODE		
	D 954	1SS133-T2	SI DIODE		
	D 971	1SS133-T2	SI DIODE		
	D 972	1SS133-T2	SI DIODE		
	D1435	1SS133-T2	SI DIODE		
	D1436	1SS133-T2	SI DIODE		
	D1437	MTZJ4.7B-T2	Z DIODE		
	D1438	1SS133-T2	SI DIODE		
	D1741	MTZJ10C-T2	Z DIODE		
	D1742	MTZJ15C-T2	Z DIODE		
	D1841	MTZJ10C-T2	Z DIODE		
	D1842	MTZJ15C-T2	Z DIODE		
	EP801	QNZ0136-001Z	EARTH PLATE		
	FL391	QQR0590-001	FILTER		
	FL392	QQR0590-001	FILTER		
	FW811	QUM133-10Z4Z4	PARA RIBON WIRE		
	FW821	QUM135-08DGZ4	PARA RIBON WIRE		
	FW881	QUM133-26DGZ4	PARA RIBON WIRE		
	FW931	QUM137-16DGZ4	PARA RIBON WIRE		
	HL331	VYH7653-002	IC HOLDER		
	HL332	VYH7653-002	IC HOLDER		
	HL333	VYH7653-002	IC HOLDER		
⚠	HS851	E70306-001	HEAT SINK		
⚠	HS861	E70306-001	HEAT SINK		
⚠	HS871	E70306-001	HEAT SINK		
	IC321	TC9162AN	IC		
	IC331	TC9459F	IC		
	IC332	TC9459F	IC		
	IC333	TC9459F	IC		
	IC361	NJM4580L	IC		
	IC362	BA15218N	IC		
	IC363	BA15218N	IC		
	IC781	VC5022-2	IC		
	IC782	VC5022-2	IC		
	IC901	TA7317P	IC		
	L 791	QQLZ003-1R0	INDUCTOR		
	L 792	QQLZ003-1R0	INDUCTOR		
⚠	Q 741	2SD2394/EF/	TRANSISTOR		
	Q 742	2SC2240/GL/-T	TRANSISTOR		
	Q 751	2SC2389S/S/-T	TRANSISTOR		
	Q 752	2SC2389S/S/-T	TRANSISTOR		
	Q 753	2SA1038S/S/-T	TRANSISTOR		
	Q 754	2SA1038S/S/-T	TRANSISTOR		
	Q 755	2SD669A/BC/	TRANSISTOR		
	Q 756	2SD669A/BC/	TRANSISTOR		
	Q 757	2SB649A/BC/	TRANSISTOR		
	Q 758	2SB649A/BC/	TRANSISTOR		
	Q 771	2SC2389S/SE/-T	TRANSISTOR		
	Q 772	2SC2389S/SE/-T	TRANSISTOR		
	Q 773	2SA1038S/SE/-T	TRANSISTOR		
	Q 774	2SA1038S/SE/-T	TRANSISTOR		
	Q 781	2SD637/QR/	TRANSISTOR		
	Q 782	2SD637/QR/	TRANSISTOR		
⚠	Q 821	2SD2061/EF/	TRANSISTOR		
⚠	Q 831	2SD2061/EF/	TRANSISTOR		

⚠	Item	Parts number	Parts name	Remarks	Area
⚠	Q 841	2SD2061/EF/	TRANSISTOR		
⚠	Q 851	2SD2061/EF/	TRANSISTOR		
⚠	Q 861	2SB1187/EF/	TRANSISTOR		
⚠	Q 871	2SD2061/EF/	TRANSISTOR		
	Q 901	2SC2389S/SE/-T	TRANSISTOR		
	Q 902	2SC2389S/SE/-T	TRANSISTOR		
	Q 903	2SA1038S/SE/-T	TRANSISTOR		
	Q 921	KTC3199/GL/-T	TRANSISTOR		
	Q 931	KRC105M-T	D.TRANSISTOR		
	Q 932	KRC105M-T	D.TRANSISTOR		
	Q 951	KRC105M-T	D.TRANSISTOR		
	Q 952	KRC105M-T	D.TRANSISTOR		
	Q1401	2SC2878/AB/-T	TRANSISTOR		
	Q1402	2SC2878/AB/-T	TRANSISTOR		
	Q1405	KRA104M-T	D.TRANSISTOR		
	Q1411	2SC2878/AB/-T	TRANSISTOR		
	Q1421	2SC2878/AB/-T	TRANSISTOR		
	Q1422	2SC2878/AB/-T	TRANSISTOR		
	Q1435	KTA1267/YG/-T	TRANSISTOR		
	Q1438	KRA104M-T	D.TRANSISTOR		
⚠	Q1741	2SD2394/EF/	TRANSISTOR		
	Q1742	2SC2240/GL/-T	TRANSISTOR		
⚠	Q1841	2SD2394/EF/	TRANSISTOR		
	Q1842	2SC2240/GL/-T	TRANSISTOR		
	R 701	QRE141J-222Y	C RESISTOR	2.2K 5% 1/4W	
	R 702	QRE141J-222Y	C RESISTOR	2.2K 5% 1/4W	
	R 703	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
	R 704	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
	R 711	QRE141J-621Y	C RESISTOR	620 5% 1/4W	
	R 712	QRE141J-621Y	C RESISTOR	620 5% 1/4W	
	R 713	QRE141J-183Y	C RESISTOR	18K 5% 1/4W	
	R 714	QRE141J-183Y	C RESISTOR	18K 5% 1/4W	
	R 715	QRE141J-823Y	C RESISTOR	82K 5% 1/4W	
	R 716	QRE141J-823Y	C RESISTOR	82K 5% 1/4W	
⚠	R 741	QRJ146J-120X	UNF C RESISTOR	12 5% 1/4W	
⚠	R 742	QRJ146J-120X	UNF C RESISTOR	12 5% 1/4W	
⚠	R 743	QRL022J-562	UNF.OMF.RESISTO	5.6K 5% 1/2W	
⚠	R 744	QRK126J-103X	UNF C RESISTOR	10K 5% 1/2W	
	R 745	QRE141J-473Y	C RESISTOR	47K 5% 1/4W	
	R 746	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
⚠	R 751	QRJ146J-100X	UNF C RESISTOR	10 5% 1/4W	
⚠	R 752	QRJ146J-100X	UNF C RESISTOR	10 5% 1/4W	
⚠	R 753	QRJ146J-100X	UNF C RESISTOR	10 5% 1/4W	
⚠	R 754	QRJ146J-100X	UNF C RESISTOR	10 5% 1/4W	
⚠	R 759	QRJ146J-272X	UNF C RESISTOR	2.7K 5% 1/4W	
⚠	R 760	QRJ146J-272X	UNF C RESISTOR	2.7K 5% 1/4W	
⚠	R 761	QRJ146J-4R7X	UNF C RESISTOR	4.7 5% 1/4W	
⚠	R 762	QRJ146J-4R7X	UNF C RESISTOR	4.7 5% 1/4W	
⚠	R 763	QRJ146J-4R7X	UNF C RESISTOR	4.7 5% 1/4W	
⚠	R 764	QRJ146J-4R7X	UNF C RESISTOR	4.7 5% 1/4W	
⚠	R 765	QRJ146J-120X	UNF C RESISTOR	12 5% 1/4W	
⚠	R 766	QRJ146J-120X	UNF C RESISTOR	12 5% 1/4W	
⚠	R 767	QRJ146J-120X	UNF C RESISTOR	12 5% 1/4W	
⚠	R 768	QRJ146J-120X	UNF C RESISTOR	12 5% 1/4W	
⚠	R 769	QRJ146J-271X	UNF C RESISTOR	270 5% 1/4W	
⚠	R 770	QRJ146J-271X	UNF C RESISTOR	270 5% 1/4W	
	R 771	QRE141J-561Y	C RESISTOR	560 5% 1/4W	
	R 772	QRE141J-561Y	C RESISTOR	560 5% 1/4W	
	R 773	QRE141J-561Y	C RESISTOR	560 5% 1/4W	
	R 774	QRE141J-561Y	C RESISTOR	560 5% 1/4W	
	R 775	QRE141J-201Y	C RESISTOR	200 5% 1/4W	
	R 776	QRE141J-201Y	C RESISTOR	200 5% 1/4W	
	R 777	QRE141J-201Y	C RESISTOR	200 5% 1/4W	
	R 778	QRE141J-201Y	C RESISTOR	200 5% 1/4W	
⚠	R 779	QRZ0196-R22	EMIT.RESISTOR	1/1W	
⚠	R 780	QRZ0196-R22	EMIT.RESISTOR	1/1W	
	R 781	QRE141J-391Y	C RESISTOR	390 5% 1/4W	

■ Electrical parts list (Main board)   Block No. 01

⚠	Item	Parts number	Parts name	Remarks	Area
	R 782	QRE141J-391Y	C RESISTOR	390 5% 1/4W	
	R 783	QRE141J-471Y	C RESISTOR	470 5% 1/4W	
	R 784	QRE141J-471Y	C RESISTOR	470 5% 1/4W	
	R 785	QRE141J-101Y	C RESISTOR	100 5% 1/4W	
	R 786	QRE141J-101Y	C RESISTOR	100 5% 1/4W	
⚠	R 791	QRJ125J-330	UNF C RESISTOR	33 5% 1/2W	
⚠	R 792	QRJ125J-330	UNF C RESISTOR	33 5% 1/2W	
⚠	R 793	QRL022J-100	UNF.OMF.RESISTO	10 5% 1/2W	
⚠	R 794	QRL022J-100	UNF.OMF.RESISTO	10 5% 1/2W	
	R 801	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
	R 802	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
⚠	R 823	QRJ146J-122X	UNF C RESISTOR	1.2K 5% 1/4W	
⚠	R 833	QRJ146J-122X	UNF C RESISTOR	1.2K 5% 1/4W	
⚠	R 843	QRJ146J-122X	UNF C RESISTOR	1.2K 5% 1/4W	
⚠	R 851	QRK126J-120X	UNF C RESISTOR	12 5% 1/2W	
⚠	R 853	QRJ146J-222X	UNF C RESISTOR	2.2K 5% 1/4W	
⚠	R 861	QRK126J-120X	UNF C RESISTOR	12 5% 1/2W	
⚠	R 863	QRJ146J-222X	UNF C RESISTOR	2.2K 5% 1/4W	
⚠	R 871	QRJ146J-120X	UNF C RESISTOR	12 5% 1/4W	
⚠	R 873	QRJ146J-332X	UNF C RESISTOR	3.3K 5% 1/4W	
⚠	R 875	QRZ9005-220X	F RESISTOR	22 1/0W	
	R 901	QRE141J-272Y	C RESISTOR	2.7K 5% 1/4W	
	R 902	QRE141J-272Y	C RESISTOR	2.7K 5% 1/4W	
	R 903	QRE141J-153Y	C RESISTOR	15K 5% 1/4W	
	R 904	QRE141J-153Y	C RESISTOR	15K 5% 1/4W	
	R 905	QRE141J-123Y	C RESISTOR	12K 5% 1/4W	
	R 906	QRE141J-123Y	C RESISTOR	12K 5% 1/4W	
	R 909	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R 911	QRE141J-332Y	C RESISTOR	3.3K 5% 1/4W	
	R 912	QRE141J-473Y	C RESISTOR	47K 5% 1/4W	
	R 913	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
	R 914	QRE141J-823Y	C RESISTOR	82K 5% 1/4W	
	R 915	QRE141J-823Y	C RESISTOR	82K 5% 1/4W	
	R 916	QRE141J-563Y	C RESISTOR	56K 5% 1/4W	
	R 917	QRE141J-683Y	C RESISTOR	68K 5% 1/4W	
	R 918	QRE141J-822Y	C RESISTOR	8.2K 5% 1/4W	
	R 919	QRE141J-822Y	C RESISTOR	8.2K 5% 1/4W	
	R 920	QRE141J-224Y	C RESISTOR	220K 5% 1/4W	
	R 921	QRE141J-473Y	C RESISTOR	47K 5% 1/4W	
	R 922	QRE141J-222Y	C RESISTOR	2.2K 5% 1/4W	
⚠	R 931	QRJ146J-120X	UNF C RESISTOR	12 5% 1/4W	
⚠	R 932	QRJ146J-120X	UNF C RESISTOR	12 5% 1/4W	
⚠	R 971	QRJ146J-120X	UNF C RESISTOR	12 5% 1/4W	
⚠	RY931	QSK0042-001	RELAY		
⚠	RY932	QSK0042-001	RELAY		
⚠	RY971	QSK0057-001	RELAY		
	R1301	QRE141J-222Y	C RESISTOR	2.2K 5% 1/4W	
	R1302	QRE141J-222Y	C RESISTOR	2.2K 5% 1/4W	
	R1303	QRE141J-272Y	C RESISTOR	2.7K 5% 1/4W	
	R1304	QRE141J-272Y	C RESISTOR	2.7K 5% 1/4W	
	R1305	QRE141J-122Y	C RESISTOR	1.2K 5% 1/4W	
	R1306	QRE141J-122Y	C RESISTOR	1.2K 5% 1/4W	
⚠	R1309	QRZ9005-680X	F RESISTOR	68 1/0W	
⚠	R1310	QRZ9005-680X	F RESISTOR	68 1/0W	
⚠	R1311	QRZ9005-680X	F RESISTOR	68 1/0W	
⚠	R1312	QRZ9005-680X	F RESISTOR	68 1/0W	
	R1313	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
	R1314	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
⚠	R1321	QRZ9005-680X	F RESISTOR	68 1/0W	
⚠	R1322	QRZ9005-680X	F RESISTOR	68 1/0W	
	R1323	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
	R1324	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
⚠	R1331	QRZ9005-680X	F RESISTOR	68 1/0W	
⚠	R1332	QRZ9005-680X	F RESISTOR	68 1/0W	
	R1333	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
	R1334	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
	R1361	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	

⚠	Item	Parts number	Parts name	Remarks	Area
	R1362	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R1363	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R1364	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R1365	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
	R1366	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
⚠	R1369	QRZ9005-680X	F RESISTOR	68 1/0W	
⚠	R1370	QRZ9005-680X	F RESISTOR	68 1/0W	
	R1371	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R1372	QRE141J-153Y	C RESISTOR	15K 5% 1/4W	
	R1373	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R1374	QRE141J-512Y	C RESISTOR	5.1K 5% 1/4W	
	R1375	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
	R1376	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
⚠	R1379	QRZ9005-680X	F RESISTOR	68 1/0W	
⚠	R1380	QRZ9005-680X	F RESISTOR	68 1/0W	
	R1381	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R1382	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R1383	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R1384	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R1385	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
	R1386	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
⚠	R1389	QRZ9005-680X	F RESISTOR	68 1/0W	
⚠	R1390	QRZ9005-680X	F RESISTOR	68 1/0W	
	R1391	QRE141J-472Y	C RESISTOR	4.7K 5% 1/4W	
	R1392	QRE141J-472Y	C RESISTOR	4.7K 5% 1/4W	
	R1401	QRE141J-102Y	C RESISTOR	1.0K 5% 1/4W	
	R1402	QRE141J-102Y	C RESISTOR	1.0K 5% 1/4W	
	R1403	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R1404	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R1405	QRE141J-102Y	C RESISTOR	1.0K 5% 1/4W	
	R1406	QRE141J-474Y	C RESISTOR	470K 5% 1/4W	
	R1411	QRE141J-102Y	C RESISTOR	1.0K 5% 1/4W	
	R1412	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R1421	QRE141J-102Y	C RESISTOR	1.0K 5% 1/4W	
	R1422	QRE141J-102Y	C RESISTOR	1.0K 5% 1/4W	
	R1423	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R1424	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R1435	QRE141J-683Y	C RESISTOR	68K 5% 1/4W	
	R1436	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
	R1437	QRE141J-474Y	C RESISTOR	470K 5% 1/4W	
	R1438	QRE141J-474Y	C RESISTOR	470K 5% 1/4W	
⚠	R1741	QRJ146J-511X	UNF C RESISTOR	510 5% 1/4W	
⚠	R1744	QRK126J-103X	UNF C RESISTOR	10K 5% 1/2W	
	R1745	QRE141J-473Y	C RESISTOR	47K 5% 1/4W	
	R1746	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
⚠	R1841	QRJ146J-241X	UNF C RESISTOR	240 5% 1/4W	
⚠	R1844	QRK126J-103X	UNF C RESISTOR	10K 5% 1/2W	
	R1845	QRE141J-473Y	C RESISTOR	47K 5% 1/4W	
	R1846	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	S 931	QSW0509-001	SLIDE SW.		
	ST931	QNB0048-001	SPK.TERMINAL		
⚠	TH781	QAD0010-351	THERMISTOR		
⚠	TH782	QAD0010-351	THERMISTOR		
	TP781	QMV5005-004K	4P PLUG ASSY		
	VR787	QVP0004-501Z	SEMI.V.RESISTOR		
	VR788	QVP0004-501Z	SEMI.V.RESISTOR		

RX-8000VBK

⚠	Item	Parts number	Parts name	Remarks	Area
	BK400	E308566-001SM	F.L.HOLDER		
	BK401	E308566-002SM	F.L.HOLDER		
	BK499	E70225-003SS	EARTH PLATE		
	C 400	QEKC1HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C 401	QEKC0JM-107Z	E CAPACITOR	100MF 20% 6.3V	
	C 402	QCZ0202-155Z	ML C CAPCITOR	1.5MF	
	C 403	QEZ0227-10AZ	EDL.CAPACITOR	PF	
	C 404	QER61HM-225Z	E CAPACITOR	2.2MF 20% 50V	
	C 406	QCBB1HK-331Y	C CAPACITOR	330PF 10% 50V	
	C 407	QCZ0202-155Z	ML C CAPCITOR	1.5MF	
	C 408	QFVJ1HJ-104Z	TF CAPACITOR	.10MF 5% 50V	
	C 409	QEKC1HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C 410	QEKC1HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C 412	QEKC0JM-107Z	E CAPACITOR	100MF 20% 6.3V	
	C 413	QDYB1CM-103Y	C CAPACITOR		
	C 414	QDYB1CM-103Y	C CAPACITOR		
	C 477	QCBB1HK-471Y	C CAPACITOR	470PF 10% 50V	
	C 478	QCBB1HK-471Y	C CAPACITOR	470PF 10% 50V	
	C 479	QCBB1HK-471Y	C CAPACITOR	470PF 10% 50V	
	C 480	QCBB1HK-471Y	C CAPACITOR	470PF 10% 50V	
	C 491	QCFB1HZ-104Y	C CAPACITOR	.10MF +80:-20%	
	C 492	QCBB1HK-101Y	C CAPACITOR	100PF 10% 50V	
	C 493	QCBB1HK-271Y	C CAPACITOR	270PF 10% 50V	
	C 494	QDVB1EZ-223Y	C CAPACITOR		
	C 497	QDVB1EZ-223Y	C CAPACITOR		
	C 498	QFVJ1HJ-104Z	TF CAPACITOR	.10MF 5% 50V	
	C 499	QEKC0JM-107Z	E CAPACITOR	100MF 20% 6.3V	
	CN 61	QGB2510K1-08	CONNECTOR		
	CN 62	QGB2510K1-08	CONNECTOR		
	CN 63	QGB2510K1-05	CONNECTOR		
	CN 71	QGB2510K1-08	CONNECTOR		
	CN 72	QGB2510K1-08	CONNECTOR		
	CN 73	QGB2510K1-05	CONNECTOR		
	CN341	QGB2510K1-08	CONNECTOR		
	CN406	WJP0003-001A	SKT WIRE ASSY	(VIDEO)	
	CN410	QGF1205F1-27	CONNECTOR		
	CN412	QGF1210G1-21	CONNECTOR		
	CN420	QJK018-100800	SKT WIRE	(LEFT)	
	CN422	QGA2001F1-14	14P PLUG ASSY		
	CN430	QGA2001F1-10	10P PLUG ASSY		
	CN432	QJK018-140804	SKT WIRE ASSY		
	CN450	QJK021-104000	C-B WIRE ASSY	(VIDEO)	
	CN451	QGB2510K1-09	CONNECTOR		
	CN881	QGD2501C1-03Z	SOCKET I.M		
	C1341	QETN1HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C1342	QETN1HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C1343	QCS11HJ-101	C CAPACITOR	100PF 5% 50V	
	C1346	QFLC1HJ-103Z	M CAPACITOR	.010MF 5% 50V	
	C1347	QFLC1HJ-123Z	M CAPACITOR	.012MF 5% 50V	
	C1349	QETN1EM-476Z	E CAPACITOR	47MF 20% 25V	
	C1350	QETN1EM-476Z	E CAPACITOR	47MF 20% 25V	
	C1351	QETN1EM-476Z	E CAPACITOR	47MF 20% 25V	
	C1352	QETN1EM-476Z	E CAPACITOR	47MF 20% 25V	
	C1355	QETN1HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C1356	QETN1HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C1451	QER61HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C1452	QER61HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C1453	QCS11HJ-101	C CAPACITOR	100PF 5% 50V	
	C1454	QCS11HJ-101	C CAPACITOR	100PF 5% 50V	
	C1455	QER61HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C1456	QER61HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C1457	QER61HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C1458	QER61HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C1459	QER61HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C1460	QER61HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C1461	QETN1EM-476Z	E CAPACITOR	47MF 20% 25V	
	C1462	QETN1EM-476Z	E CAPACITOR	47MF 20% 25V	

⚠	Item	Parts number	Parts name	Remarks	Area
	C1465	QETN1EM-476Z	E CAPACITOR	47MF 20% 25V	
	C1469	QCS11HJ-470	C CAPACITOR	47PF 5% 50V	
	C1470	QCS11HJ-470	C CAPACITOR	47PF 5% 50V	
	C1471	QFVJ1HJ-333Z	CAPACITOR	.033MF 5% 50V	
	C1472	QFVJ1HJ-333Z	CAPACITOR	.033MF 5% 50V	
	C1473	QER41HM-105	E CAPACITOR	1.0MF 20% 50V	
	C1474	QER41HM-105	E CAPACITOR	1.0MF 20% 50V	
	C1475	QFLC1HJ-332Z	M CAPACITOR	3300PF 5% 50V	
	C1476	QFLC1HJ-332Z	M CAPACITOR	3300PF 5% 50V	
	C1477	QFVJ1HJ-104Z	TF CAPACITOR	.10MF 5% 50V	
	C1478	QFVJ1HJ-104Z	TF CAPACITOR	.10MF 5% 50V	
	C1479	QCS31HJ-331Z	C CAPACITOR	330PF 5% 50V	
	C1480	QCS31HJ-331Z	C CAPACITOR	330PF 5% 50V	
	C1481	QFLC1HJ-103Z	M CAPACITOR	.010MF 5% 50V	
	C1482	QFLC1HJ-103Z	M CAPACITOR	.010MF 5% 50V	
	C1483	QER61HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C1484	QER61HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C1487	QETN1EM-476Z	E CAPACITOR	47MF 20% 25V	
	C1488	QETN1EM-476Z	E CAPACITOR	47MF 20% 25V	
	D 400	1SR35-400A-T5	DIODE		
	D 401	1SR35-400A-T5	DIODE		
	D 402	1SR35-400A-T5	DIODE		
	D 404	1SS133-T2	SI DIODE		
	D 405	1SS133-T2	SI DIODE		
	D 406	1SS133-T2	SI DIODE		
	D 407	1SS133-T2	SI DIODE		
	D 408	1SS133-T2	SI DIODE		
	D 409	1SS133-T2	SI DIODE		
	D 410	1SS133-T2	SI DIODE		
	D 411	1SS133-T2	SI DIODE		
	D 412	1SS133-T2	SI DIODE		
	D 413	1SS133-T2	SI DIODE		
	D 418	1SS133-T2	SI DIODE		
	D 420	1SS133-T2	SI DIODE		
	D 430	SLR-342VC-T	LED	(DVD)	
	D 431	SLR-342VC-T	LED	(TV)	
	D 432	SLR-342VC-T	LED	(VCR1)	
	D 433	SLR-342VC-T	LED	(VCR2)	
	D 434	SLR-342VC-T	LED	(VIDEO)	
	D 435	SLR-342VC-T	LED	(AM)	
	D 436	SLR-342VC-T	LED	(FM)	
	D 437	SLR-342VC-T	LED	(TAPE)	
	D 438	SLR-342VC-T	LED	(PHONO)	
	D 439	SLR-342VC-T	LED	(CD)	
	D 440	SLR-342VC-T	LED	(SURROUND)	
	D 442	SLR-342VC-T	LED	(OTO)	
	D 481	SLR-342VC-T	LED	(STANDBY)	
	D 482	SLR-342VC-T	LED	(SPK1)	
	D 483	SPR-325MVW/L/-T	LED	(SPK2)	
	D 493	1SS133-T2	SI DIODE		
	DI400	QLF0071-001	FL TUBE		
	D1351	MTZJ5.1C-T2	ZENER DIODE		
	D1352	MTZJ5.1C-T2	ZENER DIODE		
	D1451	MTZJ6.8C-T2	Z DIODE		
	D1452	MTZJ6.8C-T2	Z DIODE		
	D1453	MTZJ5.1C-T2	ZENER DIODE		
	FS400	E3400-444	FELT SPACER		
	FS401	E3400-444	FELT SPACER		
	HL400	VYH7653-001	IC HOLDER		
	HL401	VYH7237-003	IC HOLDER		
	IC341	BU4051BC	IC		
	IC342	BA15218N	IC		
	IC343	BA15218N	IC		
	IC400	MN173222DG	IC	MP	
	IC401	MN101C15FDE	IC	MP	
	IC402	BU2092	IC		
	IC403	IC-PST9139-T	IC		

■ Electrical parts list (Front board) **Block No. 02**

⚠	Item	Parts number	Parts name	Remarks	Area
	IC404	GP1U271X	RM RECIVER		
	IC405	BU2092	IC		
	IC451	LC7522	IC		
	IC452	M5243AP12	IC		
	IC453	BA15218N	IC		
	J 400	QND0026-001	S JACK		
	JS400	QSW0502-001	SW		
	JS401	QSW0672-001	ROTARY ENCODER	(MULTI)	
	JS402	QSW0672-001	ROTARY ENCODER	(SOURCE)	
	Q 401	KRC107M-T	D.TRANSISTOR		
	Q 402	KRC111M-T	TRANSISTOR		
	Q 403	KRC109M-T	D.TRANSISTOR		
	Q 404	KRC107M-T	D.TRANSISTOR		
	Q 405	KRC104M-T	D.TRANSISTOR		
	Q 406	KRC107M-T	D.TRANSISTOR		
	Q 407	KRC107M-T	D.TRANSISTOR		
	Q 408	KRC107M-T	D.TRANSISTOR		
	Q 413	KRA107M-T	D.TRANSISTOR		
	Q 414	KRA107M-T	D.TRANSISTOR		
	Q 415	KRA107M-T	D.TRANSISTOR		
	Q 416	KRA107M-T	D.TRANSISTOR		
	Q 442	KRA107M-T	D.TRANSISTOR		
	Q 488	KRA107M-T	D.TRANSISTOR		
	R 400	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R 401	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R 402	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R 403	QRE141J-331Y	C RESISTOR	330 5% 1/4W	
	R 404	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R 405	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R 406	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R 407	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R 408	QRE141J-223Y	C RESISTOR	22K 5% 1/4W	
	R 410	QRE141J-223Y	C RESISTOR	22K 5% 1/4W	
	R 411	QRE141J-472Y	C RESISTOR	4.7K 5% 1/4W	
	R 412	QRE141J-181Y	C RESISTOR	180 5% 1/4W	
	R 414	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R 415	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R 416	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R 417	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R 418	QRE141J-471Y	C RESISTOR	470 5% 1/4W	
	R 423	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R 424	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R 425	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R 426	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R 427	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R 430	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R 431	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R 433	QRE141J-221Y	C RESISTOR	220 5% 1/4W	
	R 434	QRE141J-221Y	C RESISTOR	220 5% 1/4W	
	R 435	QRE141J-221Y	C RESISTOR	220 5% 1/4W	
	R 436	QRE141J-102Y	C RESISTOR	1.0K 5% 1/4W	
	R 437	QRE141J-102Y	C RESISTOR	1.0K 5% 1/4W	
	R 438	QRE141J-102Y	C RESISTOR	1.0K 5% 1/4W	
	R 439	QRE141J-102Y	C RESISTOR	1.0K 5% 1/4W	
	R 440	QRE141J-474Y	C RESISTOR	470K 5% 1/4W	
	R 441	QRE141J-474Y	C RESISTOR	(PULLDOWN)	
	R 442	QRE141J-474Y	C RESISTOR	(PULLDOWN)	
	R 443	QRE141J-474Y	C RESISTOR	(PULLDOWN)	
	R 445	QRE141J-221Y	C RESISTOR	220 5% 1/4W	
	R 446	QRE141J-221Y	C RESISTOR	220 5% 1/4W	
	R 447	QRE141J-221Y	C RESISTOR	220 5% 1/4W	
	R 448	QRE141J-221Y	C RESISTOR	220 5% 1/4W	
	R 449	QRE141J-221Y	C RESISTOR	220 5% 1/4W	
	R 450	QRE141J-221Y	C RESISTOR	220 5% 1/4W	
	R 451	QRE141J-102Y	C RESISTOR	1.0K 5% 1/4W	
	R 452	QRE141J-102Y	C RESISTOR	1.0K 5% 1/4W	
	R 453	QRE141J-102Y	C RESISTOR	1.0K 5% 1/4W	

⚠	Item	Parts number	Parts name	Remarks	Area
	R 454	QRE141J-102Y	C RESISTOR	1.0K 5% 1/4W	
	R 455	QRE141J-102Y	C RESISTOR	1.0K 5% 1/4W	
	R 456	QRE141J-102Y	C RESISTOR	1.0K 5% 1/4W	
	R 457	QRE141J-102Y	C RESISTOR	1.0K 5% 1/4W	
	R 458	QRE141J-102Y	C RESISTOR	1.0K 5% 1/4W	
	R 459	QRE141J-102Y	C RESISTOR	1.0K 5% 1/4W	
	R 460	QRE141J-221Y	C RESISTOR	220 5% 1/4W	
	R 461	QRE141J-221Y	C RESISTOR	220 5% 1/4W	
	R 462	QRE141J-102Y	C RESISTOR	1.0K 5% 1/4W	
	R 463	QRE141J-221Y	C RESISTOR	220 5% 1/4W	
	R 464	QRE141J-102Y	C RESISTOR	1.0K 5% 1/4W	
	R 465	QRE141J-102Y	C RESISTOR	1.0K 5% 1/4W	
	R 466	QRE141J-102Y	C RESISTOR	1.0K 5% 1/4W	
	R 468	QRE141J-271Y	C RESISTOR	270 5% 1/4W	
	R 471	QRE141J-750Y	C RESISTOR	75 5% 1/4W	
	R 472	QRE141J-750Y	C RESISTOR	75 5% 1/4W	
	R 474	QRE141J-750Y	C RESISTOR	75 5% 1/4W	
	R 475	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R 476	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R 477	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R 478	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R 479	QRE141J-102Y	C RESISTOR	1.0K 5% 1/4W	
	R 483	QRE141J-473Y	C RESISTOR	47K 5% 1/4W	
	R 484	QRE141J-331Y	C RESISTOR	330 5% 1/4W	
	R 485	QRE141J-221Y	C RESISTOR	220 5% 1/4W	
	R 487	QRE141J-331Y	C RESISTOR	330 5% 1/4W	
	R 488	QRE141J-331Y	C RESISTOR	330 5% 1/4W	
	R 495	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	•
	R 496	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
	R 497	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
	R 498	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
	R 499	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
⚠	R 881	QRZ0209-3R3	RESISTOR	3.3 1/2W	
⚠	R 882	QRZ0209-3R3	RESISTOR	3.3 1/2W	
⚠	R 883	QRZ0209-3R3	RESISTOR	3.3 1/2W	
⚠	R 884	QRZ0209-3R3	RESISTOR	3.3 1/2W	
	R1341	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
	R1342	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R1343	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R1344	QRE141J-203Y	C RESISTOR	20K 5% 1/4W	
	R1345	QRE141J-273Y	C RESISTOR	27K 5% 1/4W	
	R1346	QRE141J-223Y	C RESISTOR	22K 5% 1/4W	
	R1347	QRE141J-132Y	C RESISTOR	1.3K 5% 1/4W	
	R1348	QRE141J-182Y	C RESISTOR	1.8K 5% 1/4W	
⚠	R1349	QRZ9005-680X	F RESISTOR	68 1/0W	
⚠	R1350	QRZ9005-680X	F RESISTOR	68 1/0W	
	R1351	QRE141J-222Y	C RESISTOR	2.2K 5% 1/4W	
	R1352	QRE141J-222Y	C RESISTOR	2.2K 5% 1/4W	
	R1353	QRE141J-682Y	C RESISTOR	6.8K 5% 1/4W	
	R1354	QRE141J-752Y	C RESISTOR	7.5K 5% 1/4W	
	R1355	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R1356	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R1357	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R1358	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R1359	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
	R1360	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
	R1451	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R1452	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R1453	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R1454	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R1457	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R1458	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R1459	QRE141J-113Y	C RESISTOR	11K 5% 1/4W	
	R1460	QRE141J-113Y	C RESISTOR	11K 5% 1/4W	
	R1461	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
	R1462	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
	R1463	QRE141J-333Y	C RESISTOR	33K 5% 1/4W	

RX-8000VBK

⚠	Item	Parts number	Parts name	Remarks	Area
	R1464	QRE141J-333Y	C RESISTOR	33K 5% 1/4W	
	R1465	QRE141J-124Y	C RESISTOR	120K 5% 1/4W	
	R1466	QRE141J-124Y	C RESISTOR	120K 5% 1/4W	
⚠	R1471	QRJ146J-561X	UNF C RESISTOR	560 5% 1/4W	
⚠	R1472	QRJ146J-561X	UNF C RESISTOR	560 5% 1/4W	
⚠	R1473	QRJ146J-681X	UNF C RESISTOR	680 5% 1/4W	
	R1475	QRE141J-474Y	C RESISTOR	470K 5% 1/4W	
	R1476	QRE141J-474Y	C RESISTOR	470K 5% 1/4W	
	R1477	QRE141J-474Y	C RESISTOR	470K 5% 1/4W	
	R1478	QRE141J-474Y	C RESISTOR	470K 5% 1/4W	
	R1479	QRE141J-474Y	C RESISTOR	470K 5% 1/4W	
	R1480	QRE141J-474Y	C RESISTOR	470K 5% 1/4W	
	R1481	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R1482	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R1483	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R1484	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R1485	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
	R1486	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
⚠	R1487	QRZ9005-680X	F RESISTOR	68 1/0W	
⚠	R1488	QRZ9005-680X	F RESISTOR	68 1/0W	
	S 400	QSW0683-001Z	PUSH SWITCH	(POWER)	
	S 401	QSW0683-001Z	PUSH SWITCH	(SPK1)	
	S 402	QSW0683-001Z	PUSH SWITCH	(SPK2)	
	S 407	QSW0683-001Z	PUSH SWITCH	(SURROUND)	
	S 408	QSW0683-001Z	PUSH SWITCH	(DIGITAL)	
	S 409	QSW0683-001Z	PUSH SWITCH	(DSP MODE)	
	S 410	QSW0683-001Z	PUSH SWITCH	(LOUDNESS)	
	S 411	QSW0683-001Z	PUSH SWITCH	(SEA MODE)	
	S 412	QSW0683-001Z	PUSH SWITCH	(SEA ADJ)	
	S 413	QSW0683-001Z	PUSH SWITCH	(FM MODE)	
	S 414	QSW0683-001Z	PUSH SWITCH	(ADJUST)	
	S 415	QSW0683-001Z	PUSH SWITCH	(S.SELECT)	
	S 416	QSW0683-001Z	PUSH SWITCH	(TUNING)	
	S 417	QSW0683-001Z	PUSH SWITCH	(PRESET)	
	S 418	QSW0683-001Z	PUSH SWITCH	(MEMORY)	
	S 419	QSW0683-001Z	PUSH SWITCH	(SETTING)	
	S 420	QSW0683-001Z	PUSH SWITCH	(OTO)	
	X 400	QAX0112-001Z	RESONATOR		
	X 401	QAX0246-001Z	RESONATOR		

■ Electrical parts list (Input board)   Block No. 03

⚠	Item	Parts number	Parts name	Remarks	Area
	C 201	QETN1HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C 202	QETN1HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C 203	QETN0JM-477Z	E CAPACITOR	470MF 20% 6.3V	
	C 204	QETN1HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C 205	QETN0JM-477Z	E CAPACITOR	470MF 20% 6.3V	
	C 206	QETN1HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C 207	QETN0JM-477Z	E CAPACITOR	470MF 20% 6.3V	
	C 208	QETN1EM-476Z	E CAPACITOR	47MF 20% 25V	
	C 209	QCF11HZ-103	C CAPACITOR	.010MF +80:-20%	
	C 210	QETN1HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C 211	QETN1HM-107Z	E CAPACITOR	100MF 20% 50V	
	C 212	QETN1EM-476Z	E CAPACITOR	47MF 20% 25V	
	C 213	QCF11HZ-103	C CAPACITOR	.010MF +80:-20%	
	C 214	QETN1HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C 215	QETN1HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C 216	QDX31EM-473Z	C CAPACITOR		
	C 217	QETN1AM-477Z	E CAPACITOR	470MF 20% 10V	
	C 218	QCZ0202-155Z	ML C CAPACITOR	1.5MF	
	C 219	QDC31HJ-150Z	C CAPACITOR		
	C 220	QDC31HJ-100Z	C CAPACITOR		
	C 221	QDC31HJ-470Z	C CAPACITOR		
	C 222	QDC31HJ-270Z	ACCAPACITOR		
	C 223	QDGB1HK-102Y	C CAPACITOR		
	C 224	QCBB1HK-271Y	C CAPACITOR	270PF 10% 50V	
	C 225	QCBB1HK-121Y	C CAPACITOR	120PF 10% 50V	
	C 241	QDX31EM-473Z	C CAPACITOR		
	C 242	QETN1HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C 244	QDX31EM-473Z	C CAPACITOR		
	C 245	QETN1HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C 246	QDX31EM-473Z	C CAPACITOR		
	C 247	QETN0JM-477Z	E CAPACITOR	470MF 20% 6.3V	
	C 249	QDX31EM-473Z	C CAPACITOR		
	C 250	QETN1HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C 251	QDX31EM-473Z	C CAPACITOR		
	C 252	QETN0JM-477Z	E CAPACITOR	470MF 20% 6.3V	
	C 254	QDX31EM-473Z	C CAPACITOR		
	C 255	QETN1HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C 256	QCF11HZ-103	C CAPACITOR	.010MF +80:-20%	
	C 257	QETN1EM-476Z	E CAPACITOR	47MF 20% 25V	
	C 258	QCF11HZ-103	C CAPACITOR	.010MF +80:-20%	
	C 259	QETN1EM-476Z	E CAPACITOR	47MF 20% 25V	
	C 260	QDX31EM-473Z	C CAPACITOR		
	C 261	QETN1HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C 268	QCS11HJ-470	C CAPACITOR	47PF 5% 50V	
	C 269	QCS11HJ-470	C CAPACITOR	47PF 5% 50V	
	C 270	QCS11HJ-101	C CAPACITOR	100PF 5% 50V	
	C 271	QCS11HJ-101	C CAPACITOR	100PF 5% 50V	
	C 277	QCS11HJ-470	C CAPACITOR	47PF 5% 50V	
	C 301	QETN1HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C 302	QETN1HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C 303	QCS11HJ-101	C CAPACITOR	100PF 5% 50V	
	C 304	QCS11HJ-101	C CAPACITOR	100PF 5% 50V	
	C 305	QFLC1HJ-182Z	M CAPACITOR	1800PF 5% 50V	
	C 306	QFLC1HJ-182Z	M CAPACITOR	1800PF 5% 50V	
	C 307	QFLC1HJ-682Z	M CAPACITOR	6800PF 5% 50V	
	C 308	QFLC1HJ-682Z	M CAPACITOR	6800PF 5% 50V	
	C 309	QCS11HJ-101	C CAPACITOR	100PF 5% 50V	
	C 310	QCS11HJ-101	C CAPACITOR	100PF 5% 50V	
	C 311	QETN1HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C 312	QETN1HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C 313	QETN1CM-107Z	E CAPACITOR	100MF 20% 16V	
	C 314	QETN1CM-107Z	E CAPACITOR	100MF 20% 16V	
	C 315	QETN1EM-476Z	E CAPACITOR	47MF 20% 25V	
	C 316	QETN1EM-476Z	E CAPACITOR	47MF 20% 25V	
	C 317	QETN1HM-226Z	E CAPACITOR	22MF 20% 50V	
	C 318	QETN1HM-226Z	E CAPACITOR	22MF 20% 50V	
	C 321	QETN1HM-226Z	E CAPACITOR	22MF 20% 50V	

⚠	Item	Parts number	Parts name	Remarks	Area
	C 322	QETN1HM-226Z	E CAPACITOR	22MF 20% 50V	
	C 323	QCS11HJ-221	C CAPACITOR	220PF 5% 50V	
	C 324	QCS11HJ-221	C CAPACITOR	220PF 5% 50V	
	C 331	QCS11HJ-471	C CAPACITOR	470PF 5% 50V	
	C 332	QCS31HJ-391Z	C CAPACITOR	390PF 5% 50V	
	C 333	QCS31HJ-391Z	C CAPACITOR	390PF 5% 50V	
	C 334	QCS31HJ-391Z	C CAPACITOR	390PF 5% 50V	
	C 337	QETN1HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C 338	QETN1HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C 339	QETN1HM-226Z	E CAPACITOR	22MF 20% 50V	
	C 340	QETN1HM-226Z	E CAPACITOR	22MF 20% 50V	
	C 341	QETN1HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C 342	QETN1HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C 343	QETN1HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C 344	QETN1HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C 345	QETN1HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C 346	QETN1HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C 347	QETN1HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C 348	QETN1HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C 349	QETN1HM-226Z	E CAPACITOR	22MF 20% 50V	
	C 350	QETN1HM-226Z	E CAPACITOR	22MF 20% 50V	
	C 353	QETN1HM-226Z	E CAPACITOR	22MF 20% 50V	
	C 354	QETN1HM-226Z	E CAPACITOR	22MF 20% 50V	
	C 358	QCBB1HK-561Y	C CAPACITOR	560PF 10% 50V	
	C 363	QETN1HM-226Z	E CAPACITOR	22MF 20% 50V	
	C 364	QETN1HM-226Z	E CAPACITOR	22MF 20% 50V	
	C 370	QCBB1HK-561Y	C CAPACITOR	560PF 10% 50V	
	C 371	QETN1EM-476Z	E CAPACITOR	47MF 20% 25V	
	C 372	QETN1EM-476Z	E CAPACITOR	47MF 20% 25V	
	C 373	QETN1HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C 374	QETN1HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	CN200	QGB2510K1-05	CONNECTOR		
	CN202	QGA2001F1-10	10P PLUG ASSY		
	CN204	QGB1214K1-14S	CONNECTOR		
	CN205	QGB1214J1-14S	CONNECTOR		
	CN206	QGA2501F1-02	CONNECTOR		
	CN240	QGB2510K1-04	CONNECTOR		
	CN242	QGB1214K1-14S	CONNECTOR		
	CN243	QGB1214J1-14S	CONNECTOR		
	CN244	QGA2501F1-04	CONNECTOR		
	CN254	QGB2510K1-05	CONNECTOR		
	CN311	QGB2510K1-17	CONNECTOR		
	CN312	QGB2510K1-09	CONNECTOR		
	CN313	QGB2510K1-12	CONNECTOR		
	CN416	QGA2501F1-03	CONNECTOR		
	C1250	QCBB1HK-221Y	C CAPACITOR	220PF 10% 50V	
	C1251	QCBB1HK-221Y	C CAPACITOR	220PF 10% 50V	
	C1252	QCBB1HK-221Y	C CAPACITOR	220PF 10% 50V	
	D 200	1SS133-T2	SI DIODE		
	D 201	1SS133-T2	SI DIODE		
	D1250	MTZJ6.2C-T2	Z DIODE		
	D1251	MTZJ6.2C-T2	Z DIODE		
	D1252	MTZJ6.2C-T2	Z DIODE		
	IC201	BA7625	IC		
	IC202	NJM2285D	IC		
	IC203	MB90088PF-131	IC		
	IC241	BA7626	IC		
	IC242	BA7625	IC		
	IC301	NJM4580D-D	IC		
	IC302	NJM4580L	IC		
	IC303	NJM4580L	IC		
	IC304	TC9164AN	IC		
	IC305	NJM4580L	IC		
	IC311	TC9163AN	IC		
	IC391	BA15218N	IC		
	J 201	QNN0078-001	PIN JACK		
	J 202	QNN0067-001	PIN JACK		

RX-8000VBK

■ Electrical parts list (Input board)   Block No. 03

⚠	Item	Parts number	Parts name	Remarks	Area
	J 203	QNN0078-001	PIN JACK		
	J 241	QND0002-001	S-CONNECTOR		
	J 242	QND0028-001	DIN CONNECTOR		
	J 243	QND0024-001	S JACK		
	J 301	QNN0056-001	PIN JACK		
	J 302	QNN0056-001	PIN JACK		
	J 303	QNN0185-001	PIN JACK		
	J 311	QNN6056-001	PIN JACK		
	J 312	QNN0056-001	PIN JACK		
	J 313	QNN0056-001	PIN JACK		
	J 314	QNN0107-001	PIN JACK		
	J1250	QNS0077-001	3.5 JACK		
	J1251	QNS0083-001	3.5 JACK		
	J1252	QNS0061-001	3.5 JACK		
	J1253	QNS0001-001	3.5 JACK		
	J1254	QNS0001-001	3.5 JACK		
	L 200	QQL231K-220Y	INDUCTOR		
	Q 200	KTA1267/YG/-T	TRANSISTOR		
	Q 201	KTA1267/YG/-T	TRANSISTOR		
	Q 202	KRC110M-T	TRANSISTOR		
	Q 203	KRC107M-T	D.TRANSITOR		
	Q 204	KTA1267/YG/-T	TRANSISTOR		
	Q 205	KTA1267/YG/-T	TRANSISTOR		
	Q 206	KTA1267/YG/-T	TRANSISTOR		
	Q 240	KTA1267/YG/-T	TRANSISTOR		
	Q 241	KTA1267/YG/-T	TRANSISTOR		
	Q 301	2SC2878/AB/-T	TRANSISTOR		
	Q 302	2SC2878/AB/-T	TRANSISTOR		
	R 200	QRE141J-750Y	C RESISTOR	75 5% 1/4W	
	R 201	QRE141J-750Y	C RESISTOR	75 5% 1/4W	
	R 202	QRE141J-750Y	C RESISTOR	75 5% 1/4W	
	R 203	QRE141J-750Y	C RESISTOR	75 5% 1/4W	
	R 204	QRE141J-750Y	C RESISTOR	75 5% 1/4W	
	R 205	QRE141J-750Y	C RESISTOR	75 5% 1/4W	
	R 206	QRE141J-750Y	C RESISTOR	75 5% 1/4W	
	R 207	QRE141J-331Y	C RESISTOR	330 5% 1/4W	
	R 208	QRE141J-331Y	C RESISTOR	330 5% 1/4W	
	R 209	QRE141J-473Y	C RESISTOR	47K 5% 1/4W	
	R 210	QRE141J-331Y	C RESISTOR	330 5% 1/4W	
	R 211	QRE141J-473Y	C RESISTOR	47K 5% 1/4W	
	R 212	QRE141J-331Y	C RESISTOR	330 5% 1/4W	
	R 213	QRE141J-473Y	C RESISTOR	47K 5% 1/4W	
	R 214	QRE141J-151Y	C RESISTOR	150 5% 1/4W	
	R 215	QRE141J-151Y	C RESISTOR	150 5% 1/4W	
	R 216	QRE141J-301Y	C RESISTOR	300 5% 1/4W	
	R 217	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R 218	QRE141J-331Y	C RESISTOR	330 5% 1/4W	
	R 219	QRE141J-101Y	C RESISTOR	100 5% 1/4W	
	R 220	QRE141J-121Y	C RESISTOR	120 5% 1/4W	
	R 221	QRE141J-151Y	C RESISTOR	150 5% 1/4W	
	R 222	QRE141J-561Y	C RESISTOR	560 5% 1/4W	
	R 223	QRE141J-561Y	C RESISTOR	560 5% 1/4W	
	R 224	QRE141J-561Y	C RESISTOR	560 5% 1/4W	
⚠	R 225	QRJ146J-3R3X	UNF C RESISTOR	3.3 5% 1/4W	
	R 240	QRE141J-750Y	C RESISTOR	75 5% 1/4W	
	R 241	QRE141J-750Y	C RESISTOR	75 5% 1/4W	
	R 242	QRE141J-750Y	C RESISTOR	75 5% 1/4W	
	R 243	QRE141J-750Y	C RESISTOR	75 5% 1/4W	
	R 244	QRE141J-750Y	C RESISTOR	75 5% 1/4W	
	R 245	QRE141J-750Y	C RESISTOR	75 5% 1/4W	
	R 246	QRE141J-750Y	C RESISTOR	75 5% 1/4W	
	R 247	QRE141J-750Y	C RESISTOR	75 5% 1/4W	
	R 248	QRE141J-151Y	C RESISTOR	150 5% 1/4W	
	R 249	QRE141J-121Y	C RESISTOR	120 5% 1/4W	
	R 256	QRE141J-472Y	C RESISTOR	4.7K 5% 1/4W	
	R 257	QRE141J-471Y	C RESISTOR	470 5% 1/4W	
	R 258	QRE141J-472Y	C RESISTOR	4.7K 5% 1/4W	
	R 259	QRE141J-471Y	C RESISTOR	470 5% 1/4W	
	R 264	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R 265	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R 266	QRE141J-750Y	C RESISTOR	75 5% 1/4W	
	R 267	QRE141J-473Y	C RESISTOR	47K 5% 1/4W	
	R 268	QRE141J-750Y	C RESISTOR	75 5% 1/4W	
	R 269	QRE141J-473Y	C RESISTOR	47K 5% 1/4W	
⚠	R 271	QRJ146J-6R8X	UNF C RESISTOR	6.8 5% 1/4W	
	R 301	QRE141J-222Y	C RESISTOR	2.2K 5% 1/4W	
	R 302	QRE141J-222Y	C RESISTOR	2.2K 5% 1/4W	
	R 303	QRE141J-473Y	C RESISTOR	47K 5% 1/4W	
	R 304	QRE141J-473Y	C RESISTOR	47K 5% 1/4W	
	R 305	QRE141J-621Y	C RESISTOR	620 5% 1/4W	
	R 306	QRE141J-621Y	C RESISTOR	620 5% 1/4W	
	R 307	QRE141J-393Y	C RESISTOR	39K 5% 1/4W	
	R 308	QRE141J-393Y	C RESISTOR	39K 5% 1/4W	
	R 309	QRE141J-474Y	C RESISTOR	470K 5% 1/4W	
	R 310	QRE141J-474Y	C RESISTOR	470K 5% 1/4W	
	R 311	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
	R 312	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
	R 313	QRJ146J-331X	UNF C RESISTOR	330 5% 1/4W	
	R 314	QRJ146J-331X	UNF C RESISTOR	330 5% 1/4W	
⚠	R 315	QRZ9005-680X	F.RES. I.M	68 1/0W	
⚠	R 316	QRZ9005-680X	F.RES. I.M	68 1/0W	
	R 325	QRE141J-471Y	C RESISTOR	470 5% 1/4W	
	R 326	QRE141J-471Y	C RESISTOR	470 5% 1/4W	
	R 327	QRE141J-471Y	C RESISTOR	470 5% 1/4W	
	R 328	QRE141J-471Y	C RESISTOR	470 5% 1/4W	
	R 329	QRE141J-471Y	C RESISTOR	470 5% 1/4W	
	R 330	QRE141J-471Y	C RESISTOR	470 5% 1/4W	
	R 331	QRE141J-561Y	C RESISTOR	560 5% 1/4W	
	R 332	QRE141J-561Y	C RESISTOR	560 5% 1/4W	
	R 333	QRE141J-561Y	C RESISTOR	560 5% 1/4W	
	R 334	QRE141J-561Y	C RESISTOR	560 5% 1/4W	
	R 335	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
	R 336	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
	R 337	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
	R 338	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
	R 339	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
	R 340	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
	R 341	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
	R 342	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
	R 343	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
	R 344	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
	R 345	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
	R 346	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
	R 347	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
	R 348	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
	R 349	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
	R 350	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
	R 351	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
	R 352	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
⚠	R 353	QRZ9005-680X	F RESISTOR	68 1/0W	
⚠	R 354	QRZ9005-680X	F RESISTOR	68 1/0W	
	R 355	QRE141J-471Y	C RESISTOR	470 5% 1/4W	
	R 356	QRE141J-471Y	C RESISTOR	470 5% 1/4W	
	R 357	QRE141J-471Y	C RESISTOR	470 5% 1/4W	
	R 358	QRE141J-471Y	C RESISTOR	470 5% 1/4W	
	R 359	QRE141J-471Y	C RESISTOR	470 5% 1/4W	
	R 360	QRE141J-471Y	C RESISTOR	470 5% 1/4W	
	R 361	QRE141J-471Y	C RESISTOR	470 5% 1/4W	
	R 362	QRE141J-471Y	C RESISTOR	470 5% 1/4W	
	R 363	QRE141J-471Y	C RESISTOR	470 5% 1/4W	
	R 364	QRE141J-471Y	C RESISTOR	470 5% 1/4W	
	R 365	QRE141J-471Y	C RESISTOR	470 5% 1/4W	
	R 366	QRE141J-471Y	C RESISTOR	470 5% 1/4W	
	R 379	QRE141J-471Y	C RESISTOR	470 5% 1/4W	
	R 380	QRE141J-471Y	C RESISTOR	470 5% 1/4W	
	R 381	QRE141J-183Y	C RESISTOR	18K 5% 1/4W	
	R 382	QRE141J-102Y	C RESISTOR	1.0K 5% 1/4W	
	R 383	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
	R 384	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
	R 385	QRE141J-471Y	C RESISTOR	470 5% 1/4W	
	R 386	QRE141J-471Y	C RESISTOR	470 5% 1/4W	
	R 387	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R 388	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R1250	QRE141J-101Y	C RESISTOR	100 5% 1/4W	
	R1251	QRE141J-221Y	C RESISTOR	220 5% 1/4W	
	R1252	QRE141J-221Y	C RESISTOR	220 5% 1/4W	
	R1253	QRE141J-471Y	C RESISTOR	470 5% 1/4W	
	R1254	QRE141J-221Y	C RESISTOR	220 5% 1/4W	
	R1255	QRE141J-221Y	C RESISTOR	220 5% 1/4W	
	R1256	QRE141J-221Y	C RESISTOR	220 5% 1/4W	
	R1257	QRE141J-221Y	C RESISTOR	220 5% 1/4W	
	SP203	VYH7653-005	IC HOLDER		
	X 200	QAX0260-001Z	CRYSTAL		

■ Electrical parts list (AC supply board)　　Block No. 04

⚠	Item	Parts number	Parts name	Remarks	Area
⚠	C 1	QCZ9019-472	C CAPACITOR	4700PF	
	C 51	QFN32AK-472Z	M CAPACITOR	4700PF 10% 100V	
	C 52	QETN1EM-108Z	E CAPACITOR	1000MF 20% 25V	
	C 54	QETN1CM-477Z	E CAPACITOR	470MF 20% 16V	
	C 55	QCF31HZ-472Z	C CAPACITOR	4700PF +80:-20%	
	C 56	QCZ0202-155Z	ML C CAPACITOR	1.5MF	
	C 61	QFN32AJ-104Z	M CAPACITOR	.10MF 5% 100V	
	C 62	QFN32AJ-104Z	M CAPACITOR	.10MF 5% 100V	
	C 63	QFN32AJ-104Z	M CAPACITOR	.10MF 5% 100V	
	C 65	QETM1VM-338	E CAPACITOR	3300MF 20% 35V	
	C 66	QETM1VM-228	E CAPACITOR	2200MF 20% 35V	
	C 67	QETN1HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C 68	QFLC1HJ-473Z	M CAPACITOR	.047MF 5% 50V	
	C 69	QFLC1HJ-473Z	M CAPACITOR	.047MF 5% 50V	
	C 70	QETN1HM-227Z	E CAPACITOR	220MF 20% 50V	
	C 71	QETN1JM-227Z	E CAPACITOR	220MF 20% 63V	
	C 72	QETN1HM-226Z	E CAPACITOR	22MF 20% 50V	
	C 73	QETN1HM-226Z	E CAPACITOR	22MF 20% 50V	
	C 74	QETN1HM-105Z	E CAPACITOR	1.0MF 20% 50V	
	C 705	QCS11HJ-101	C CAPACITOR	100PF 5% 50V	
	C 706	QCS11HJ-101	C CAPACITOR	100PF 5% 50V	
	C 711	QFLC1HJ-103Z	M CAPACITOR	.010MF 5% 50V	
	C 712	QFLC1HJ-103Z	M CAPACITOR	.010MF 5% 50V	
	C 713	QCS11HJ-680	C CAPACITOR	68PF 5% 50V	
	C 714	QCS11HJ-680	C CAPACITOR	68PF 5% 50V	
	C 715	QCS11HJ-680	C CAPACITOR	68PF 5% 50V	
	C 716	QCS11HJ-680	C CAPACITOR	68PF 5% 50V	
	C 717	QCS32HJ-220Z	C CAPACITOR	22PF 5% 500V	
	C 718	QCS32HJ-220Z	C CAPACITOR	22PF 5% 500V	
	CN 51	QGB2510J1-08	CONNECTOR		
	CN 52	QGB2510J1-08	CONNECTOR		
	CN 53	QGB2510J1-05	CONNECTOR		
	CN 55	QGD2501C1-03Z	SOCKET I.M		
	CN 56	QGD2501C1-04Z	SOCKET I.M		
	CN402	QGF1205C1-21	CONNECTOR		
	CN701	QJP002-021401	SHI CR C-B WIRE		
	CN702	QJP001-031401	SHI CR C-B WIRE		
	CN703	WJK0034-001A	SKT WIRE ASSY	(WITH CN803)	
	CN705	QGB2510K1-12	CONNECTOR		
	CN811	QGA3901F2-03	CONNECTOR		
	CN951	QJL005-063201	SIN CR B-B WIRE		
	C1701	QETN1HM-105Z	E CAPACITOR	1.0MF 20% 50V	
	C1702	QCS11HJ-101	C CAPACITOR	100PF 5% 50V	
	C1703	QCS11HJ-101	C CAPACITOR	100PF 5% 50V	
	C1704	QETN1EM-476Z	E CAPACITOR	47MF 20% 25V	
	C1705	QCS31HJ-5R0Z	C CAPACITOR	5.0PF 5% 50V	
	C1711	QCS32HJ-330Z	C CAPACITOR	33PF 5% 500V	
	C1712	QFLC1HJ-103Z	M CAPACITOR	.010MF 5% 50V	
	C1713	QETN1HM-225Z	E CAPACITOR	2.2MF 20% 50V	
	C1715	QETN1HM-476Z	E CAPACITOR	47MF 20% 50V	
	C1741	QETN2AM-476Z	E CAPACITOR	47MF 20% 100V	
	C1742	QETN2AM-476Z	E CAPACITOR	47MF 20% 100V	
	C1743	QETN1EM-476Z	E CAPACITOR	47MF 20% 25V	
	C1751	QCS32HJ-470Z	C CAPACITOR	47PF 5% 500V	
	C1752	QCS32HJ-470Z	C CAPACITOR	47PF 5% 500V	
	C1761	QFLC1HJ-473Z	M CAPACITOR	.047MF 5% 50V	
	C1762	QFLC1HJ-473Z	M CAPACITOR	.047MF 5% 50V	
	C1791	QCF31HZ-223Z	C CAPACITOR	.022MF +80:-20%	
	C1801	QETN1HM-105Z	E CAPACITOR	1.0MF 20% 50V	
	C1802	QETN1HM-105Z	E CAPACITOR	1.0MF 20% 50V	
	C1803	QCS11HJ-101	C CAPACITOR	100PF 5% 50V	
	C1804	QCS11HJ-101	C CAPACITOR	100PF 5% 50V	
	C1805	QCS11HJ-101	C CAPACITOR	100PF 5% 50V	
	C1806	QCS11HJ-101	C CAPACITOR	100PF 5% 50V	
	C1807	QETN1EM-476Z	E CAPACITOR	47MF 20% 25V	
	C1808	QETN1EM-476Z	E CAPACITOR	47MF 20% 25V	
	C1809	QCS31HJ-5R0Z	C CAPACITOR	5.0PF 5% 50V	

⚠	Item	Parts number	Parts name	Remarks	Area
	C1810	QCS31HJ-5R0Z	C CAPACITOR	5.0PF 5% 50V	
	C1811	QCS32HJ-330Z	C CAPACITOR	33PF 5% 500V	
	C1812	QCS32HJ-330Z	C CAPACITOR	33PF 5% 500V	
	C1813	QFLC1HJ-103Z	M CAPACITOR	.010MF 5% 50V	
	C1814	QFLC1HJ-103Z	M CAPACITOR	.010MF 5% 50V	
	C1815	QEKC1HM-225Z	E CAPACITOR	2.2MF 20% 50V	
	C1816	QEKC1HM-225Z	E CAPACITOR	2.2MF 20% 50V	
	C1817	QETN1HM-476Z	E CAPACITOR	47MF 20% 50V	
	C1818	QETN1HM-476Z	E CAPACITOR	47MF 20% 50V	
	C1841	QETN2AM-476Z	E CAPACITOR	47MF 20% 100V	
	C1842	QETN2AM-476Z	E CAPACITOR	47MF 20% 100V	
	C1843	QETN1HM-106Z	E CAPACITOR	10MF 20% 50V	
	C1851	QCS32HJ-470Z	C CAPACITOR	47PF 5% 500V	
	C1852	QCS32HJ-470Z	C CAPACITOR	47PF 5% 500V	
	C1853	QCS32HJ-470Z	C CAPACITOR	47PF 5% 500V	
	C1854	QCS32HJ-470Z	C CAPACITOR	47PF 5% 500V	
	C1861	QFLC1HJ-473Z	M CAPACITOR	.047MF 5% 50V	
	C1862	QFLC1HJ-473Z	M CAPACITOR	.047MF 5% 50V	
	C1863	QFLC1HJ-473Z	M CAPACITOR	.047MF 5% 50V	
	C1864	QFLC1HJ-473Z	M CAPACITOR	.047MF 5% 50V	
	C1891	QCF31HZ-223Z	C CAPACITOR	.022MF +80:-20%	
	C1892	QCF31HZ-223Z	C CAPACITOR	.022MF +80:-20%	
⚠	D 51	1SR35-400A-T5	DIODE		
⚠	D 52	1SR35-400A-T5	DIODE		
⚠	D 53	1SR35-400A-T5	DIODE		
⚠	D 54	1SR35-400A-T5	DIODE		
	D 56	MTZJ6.2A-T2	Z.DIODE		
	D 57	1SS133-T2	SI DIODE		
⚠	D 61	10E2-FD	DIODE		
⚠	D 62	1SR35-400A-T5	DIODE		
⚠	D 63	10E2-FD	DIODE		
⚠	D 64	1SR35-400A-T5	DIODE		
	D 65	1SS133-T2	SI DIODE		
	D 66	1SS133-T2	SI DIODE	VER.J	
	D 67	1SS133-T2	SI.DIODE	VER.C	
	D 68	1SS133-T2	SI.DIODE	VER.C	
⚠	D 71	1SR35-400A-T5	DIODE		
⚠	D 72	1SR35-400A-T5	DIODE		
⚠	D 73	1SR35-400A-T5	DIODE		
	D 74	MTZJ33C-T2	Z DIODE		
	D 75	MTZJ6.2C-T2	Z DIODE		
	D 701	1SS133-T2	SI DIODE		
	D 702	1SS133-T2	SI DIODE		
	D 703	1SS133-T2	SI DIODE		
	D 704	1SS133-T2	SI DIODE		
	D 951	1SS133-T2	SI DIODE		
	D 952	1SS133-T2	SI DIODE		
	D1701	1SS133-T2	SI DIODE		
	D1702	MTZJ18C-T2	Z.DIODE		
	D1771	1SS133-T2	SI DIODE		
	D1772	1SS133-T2	SI DIODE		
	D1791	1SS133-T2	SI DIODE		
	D1801	1SS133-T2	SI DIODE		
	D1802	1SS133-T2	SI DIODE		
	D1805	MTZJ18C-T2	Z.DIODE		
	D1871	1SS133-T2	SI DIODE		
	D1872	1SS133-T2	SI DIODE		
	D1873	1SS133-T2	SI DIODE		
	D1874	1SS133-T2	SI DIODE		
	D1891	1SS133-T2	SI DIODE		
	D1892	1SS133-T2	SI DIODE		
	EP 1	E409182-001SM	GRAND TERMINAL		
	EP 2	QNZ0136-001Z	EARTH PLATE		
	EP 51	QNZ0136-001Z	EARTH PLATE		
	FC 1	QNG0020-001Z	FUSE CLIP	F001	
	FC 2	QNG0020-001Z	FUSE CLIP	F001	
	FC 61	QNG0020-001Z	FUSE CLIP	F061	

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⚠	Item	Parts number	Parts name	Remarks	Area
	FC 62	QNG0020-001Z	FUSE CLIP	F061	
	FC 63	QNG0020-001Z	FUSE CLIP	F062	
	FC 64	QNG0020-001Z	FUSE CLIP	F062	
	FW 51	QUM137-10DGZ4	PARA RIBON WIRE		
	FW901	QUM133-08DGZ4	PARA RIBON WIRE		
	FW961	QUM133-15DGZ4	PARA RIBON WIRE		
	J 91	QNS0023-001	JACK		
	L1761	QQLZ005-R45	INDUCTOR		
	L1861	QQLZ005-R45	INDUCTOR		
	L1862	QQLZ005-R45	INDUCTOR		
	Q 52	2SC2235/OY/-T	TRANSISTOR		
	Q 53	KRC105M-T	D.TRANSISTOR		
	Q 61	KRC107M-T	D.TRANSISTOR		
⚠	Q 71	2SB1357/EF/-T	TRANSISTOR		
	Q 72	KRC102M-T	D.TRANSISTOR		
	Q 73	KRA104M-T	D.TRANSISTOR		
	Q 74	2SC2240/GL/-T	TRANSISTOR		
	Q 701	2SC2240-BL/AB/T	TRANSISTOR		
	Q 702	2SC2240-BL/AB/T	TRANSISTOR		
	Q 703	2SC2240-BL/AB/T	TRANSISTOR		
	Q 704	2SC2240-BL/AB/T	TRANSISTOR		
	Q 705	2SA1038S/SE/-T	TRANSISTOR		
	Q 706	2SA1038S/SE/-T	TRANSISTOR		
	Q 707	2SA933AS/RS/-T	TRANSISTOR		
	Q 708	2SA933AS/RS/-T	TRANSISTOR		
	Q 709	2SA1038S/SE/-T	TRANSISTOR		
	Q 710	2SA1038S/SE/-T	TRANSISTOR		
	Q 711	2SC2389S/SE/-T	TRANSISTOR		
	Q 712	2SC2389S/SE/-T	TRANSISTOR		
	Q1701	2SC2240-BL/AB/T	TRANSISTOR		
	Q1702	2SC2240-BL/AB/T	TRANSISTOR		
	Q1703	2SA1038S/S/-T	TRANSISTOR		
	Q1731	2SD637/QR/	TRANSISTOR		
	Q1771	2SC2389S/SE/-T	TRANSISTOR		
	Q1772	2SA1038S/SE/-T	TRANSISTOR		
	Q1791	2SC2389S/SE/-T	TRANSISTOR		
	Q1801	2SC2240-BL/AB/T	TRANSISTOR		
	Q1802	2SC2240-BL/AB/T	TRANSISTOR		
	Q1803	2SC2240-BL/AB/T	TRANSISTOR		
	Q1804	2SC2240-BL/AB/T	TRANSISTOR		
	Q1805	2SA1038S/S/-T	TRANSISTOR		
	Q1806	2SA1038S/S/-T	TRANSISTOR		
	Q1831	2SD637/QR/	TRANSISTOR		
	Q1832	2SD637/QR/	TRANSISTOR		
	Q1871	2SC2389S/SE/-T	TRANSISTOR		
	Q1872	2SC2389S/SE/-T	TRANSISTOR		
	Q1873	2SA1038S/SE/-T	TRANSISTOR		
	Q1874	2SA1038S/SE/-T	TRANSISTOR		
	Q1891	2SC2389S/SE/-T	TRANSISTOR		
	Q1892	2SC2389S/SE/-T	TRANSISTOR		
⚠	R 1	QRZ9044-335	COMP.RESISTOR	3.3M 1/0W	
⚠	R 53	QRJ146J-3R9X	UNF C RESISTOR	3.9 5% 1/4W	
	R 54	QRE141J-821Y	C RESISTOR	820 5% 1/4W	
⚠	R 55	QRT022J-1R0	MF RESISTOR	1.0 5% 1/2W	
⚠	R 61	QRT012J-R22	UNF.MF.RESISTOR	5% 1/1W	
⚠	R 62	QRT012J-R22	UNF.MF.RESISTOR	5% 1/1W	
⚠	R 66	QRJ146J-2R2X	UNF C RESISTOR	2.2 5% 1/4W	
⚠	R 67	QRJ146J-120X	UNF C RESISTOR	12 5% 1/4W	
	R 68	QRE141J-562Y	C RESISTOR	5.6K 5% 1/4W	
	R 69	QRE141J-822Y	C RESISTOR	8.2K 5% 1/4W	
	R 70	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
⚠	R 72	QRJ146J-332X	UNF C RESISTOR	3.3K 5% 1/4W	
	R 73	QRE141J-223Y	C RESISTOR	22K 5% 1/4W	
	R 74	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
⚠	R 91	QRL022J-471	UNF OMF.RESISTO	470 5% 1/2W	
⚠	R 92	QRL022J-471	UNF OMF.RESISTO	470 5% 1/2W	
	R 705	QRE141J-202Y	C RESISTOR	2.0K 5% 1/4W	

⚠	Item	Parts number	Parts name	Remarks	Area
	R 706	QRE141J-202Y	C RESISTOR	2.0K 5% 1/4W	
	R 707	QRE141J-202Y	C RESISTOR	2.0K 5% 1/4W	
	R 708	QRE141J-202Y	C RESISTOR	2.0K 5% 1/4W	
	R 709	QRE141J-912Y	C RESISTOR	9.1K 5% 1/4W	
	R 710	QRE141J-912Y	C RESISTOR	9.1K 5% 1/4W	
⚠	R 717	QRJ146J-562X	UNF C RESISTOR	5.6K 5% 1/4W	
⚠	R 718	QRJ146J-562X	UNF C RESISTOR	5.6K 5% 1/4W	
⚠	R 719	QRK126J-103X	UNF.C RESISTOR	10K 5% 1/2W	
⚠	R 720	QRK126J-103X	UNF.C RESISTOR	10K 5% 1/2W	
⚠	R 721	QRJ146J-151X	UNF C RESISTOR	150 5% 1/4W	
⚠	R 722	QRJ146J-151X	UNF C RESISTOR	150 5% 1/4W	
	R 723	QRE141J-391Y	C RESISTOR	390 5% 1/4W	
	R 724	QRE141J-391Y	C RESISTOR	390 5% 1/4W	
	R 725	QRE141J-152Y	C RESISTOR	1.5K 5% 1/4W	
	R 726	QRE141J-152Y	C RESISTOR	1.5K 5% 1/4W	
	R 727	QRE141J-333Y	C RESISTOR	33K 5% 1/4W	
	R 728	QRE141J-333Y	C RESISTOR	33K 5% 1/4W	
	R 729	QRE141J-391Y	C RESISTOR	390 5% 1/4W	
	R 730	QRE141J-391Y	C RESISTOR	390 5% 1/4W	
	R 731	QRE141J-391Y	C RESISTOR	390 5% 1/4W	
	R 732	QRE141J-391Y	C RESISTOR	390 5% 1/4W	
	R 733	QRE141J-221Y	C RESISTOR	220 5% 1/4W	
	R 734	QRE141J-221Y	C RESISTOR	220 5% 1/4W	
⚠	R 951	QRJ146J-120X	UNF C RESISTOR	12 5% 1/4W	
⚠	R 952	QRJ146J-120X	UNF C RESISTOR	12 5% 1/4W	
⚠	RY 1	QSK0098-001	RELAY		
⚠	RY 61	QSK0082-001	RELAY	VER.J	
⚠	RY 62	QSK0088-001	RELAY	VER.C	
⚠	RY 63	QSK0088-001	RELAY	VER.C	
⚠	RY951	QSK0109-001	RELAY		
⚠	RY952	QSK0109-001	RELAY		
	R1701	QRE141J-222Y	C RESISTOR	2.2K 5% 1/4W	
	R1702	QRE141J-124Y	C RESISTOR	120K 5% 1/4W	
	R1703	QRE141J-202Y	C RESISTOR	2.0K 5% 1/4W	
	R1705	QRE141J-123Y	C RESISTOR	12K 5% 1/4W	
	R1711	QRE141J-621Y	C RESISTOR	620 5% 1/4W	
	R1712	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
⚠	R1721	QRJ146J-221X	UNF C RESISTOR	220 5% 1/4W	
	R1722	QRE141J-332Y	C RESISTOR	3.3K 5% 1/4W	
	R1723	QRE141J-332Y	C RESISTOR	3.3K 5% 1/4W	
	R1724	QRE141J-332Y	C RESISTOR	3.3K 5% 1/4W	
	R1725	QRE141J-332Y	C RESISTOR	3.3K 5% 1/4W	
	R1731	QRE141J-751Y	C RESISTOR	750 5% 1/4W	
	R1732	QRE141J-391Y	C RESISTOR	390 5% 1/4W	
⚠	R1742	QRJ146J-221X	UNF C RESISTOR	220 5% 1/4W	
⚠	R1743	QRL022J-562	UNF.OMF.RESISTO	5.6K 5% 1/2W	
⚠	R1751	QRJ146J-100X	UNF.C RESISTOR	10 5% 1/4W	
⚠	R1752	QRJ146J-100X	UNF.C RESISTOR	10 5% 1/4W	
⚠	R1753	QRZ0196-R22	EMIT.RESISTOR	1/1W	
⚠	R1761	QRJ125J-330	UNF.C RESISTOR	33 5% 1/2W	
⚠	R1762	QRL022J-100	UNF.OMF.RESISTO	10 5% 1/2W	
	R1771	QRE141J-391Y	C RESISTOR	390 5% 1/4W	
	R1772	QRE141J-391Y	C RESISTOR	390 5% 1/4W	
	R1773	QRE141J-201Y	C RESISTOR	200 5% 1/4W	
	R1774	QRE141J-201Y	C RESISTOR	200 5% 1/4W	
	R1791	QRE141J-272Y	C RESISTOR	2.7K 5% 1/4W	
	R1792	QRE141J-153Y	C RESISTOR	15K 5% 1/4W	
	R1793	QRE141J-123Y	C RESISTOR	12K 5% 1/4W	
	R1794	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
	R1801	QRE141J-222Y	C RESISTOR	2.2K 5% 1/4W	
	R1802	QRE141J-222Y	C RESISTOR	2.2K 5% 1/4W	
	R1803	QRE141J-124Y	C RESISTOR	120K 5% 1/4W	
	R1804	QRE141J-124Y	C RESISTOR	120K 5% 1/4W	
	R1805	QRE141J-202Y	C RESISTOR	2.0K 5% 1/4W	
	R1806	QRE141J-202Y	C RESISTOR	2.0K 5% 1/4W	
	R1809	QRE141J-123Y	C RESISTOR	12K 5% 1/4W	
	R1810	QRE141J-123Y	C RESISTOR	12K 5% 1/4W	

■ Electrical parts list (AC supply board)　　　　Block No. 04

⚠	Item	Parts number	Parts name	Remarks	Area
	R1811	QRE141J-621Y	C RESISTOR	620 5% 1/4W	
	R1812	QRE141J-621Y	C RESISTOR	620 5% 1/4W	
	R1813	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
	R1814	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
⚠	R1821	QRJ146J-221X	UNF C RESISTOR	220 5% 1/4W	
⚠	R1822	QRJ146J-221X	UNF C RESISTOR	220 5% 1/4W	
	R1823	QRE141J-332Y	C RESISTOR	3.3K 5% 1/4W	
	R1824	QRE141J-332Y	C RESISTOR	3.3K 5% 1/4W	
	R1825	QRE141J-332Y	C RESISTOR	3.3K 5% 1/4W	
	R1826	QRE141J-332Y	C RESISTOR	3.3K 5% 1/4W	
	R1827	QRE141J-332Y	C RESISTOR	3.3K 5% 1/4W	
	R1828	QRE141J-332Y	C RESISTOR	3.3K 5% 1/4W	
	R1829	QRE141J-332Y	C RESISTOR	3.3K 5% 1/4W	
	R1830	QRE141J-332Y	C RESISTOR	3.3K 5% 1/4W	
	R1831	QRE141J-751Y	C RESISTOR	750 5% 1/4W	
	R1832	QRE141J-751Y	C RESISTOR	750 5% 1/4W	
	R1833	QRE141J-391Y	C RESISTOR	390 5% 1/4W	
	R1834	QRE141J-391Y	C RESISTOR	390 5% 1/4W	
⚠	R1842	QRJ146J-221X	UNF C RESISTOR	220 5% 1/4W	
⚠	R1843	QRL022J-562	UNF.OMF.RESISTO	5.6K 5% 1/2W	
⚠	R1851	QRJ146J-100X	UNF.C RESISTOR	10 5% 1/4W	
⚠	R1852	QRJ146J-100X	UNF.C RESISTOR	10 5% 1/4W	
⚠	R1853	QRJ146J-100X	UNF.C RESISTOR	10 5% 1/4W	
⚠	R1854	QRJ146J-100X	UNF.C RESISTOR	10 5% 1/4W	
⚠	R1855	QRZ0196-R22	EMIT.RESISTOR	1/1W	
⚠	R1856	QRZ0196-R22	EMIT.RESISTOR	1/1W	
⚠	R1861	QRJ125J-330	UNF.C RESISTOR	33 5% 1/2W	
⚠	R1862	QRJ125J-330	UNF.C RESISTOR	33 5% 1/2W	
⚠	R1863	QRL022J-100	UNF.OMF.RESISTO	10 5% 1/2W	
⚠	R1864	QRL022J-100	UNF.OMF.RESISTO	10 5% 1/2W	
	R1871	QRE141J-391Y	C RESISTOR	390 5% 1/4W	
	R1872	QRE141J-391Y	C RESISTOR	390 5% 1/4W	
	R1873	QRE141J-391Y	C RESISTOR	390 5% 1/4W	
	R1874	QRE141J-391Y	C RESISTOR	390 5% 1/4W	
	R1875	QRE141J-201Y	C RESISTOR	200 5% 1/4W	
	R1876	QRE141J-201Y	C RESISTOR	200 5% 1/4W	
	R1877	QRE141J-201Y	C RESISTOR	200 5% 1/4W	
	R1878	QRE141J-201Y	C RESISTOR	200 5% 1/4W	
	R1891	QRE141J-272Y	C RESISTOR	2.7K 5% 1/4W	
	R1892	QRE141J-272Y	C RESISTOR	2.7K 5% 1/4W	
	R1893	QRE141J-153Y	C RESISTOR	15K 5% 1/4W	
	R1894	QRE141J-153Y	C RESISTOR	15K 5% 1/4W	
	R1895	QRE141J-123Y	C RESISTOR	12K 5% 1/4W	
	R1896	QRE141J-123Y	C RESISTOR	12K 5% 1/4W	
	R1897	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
	R1898	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
	ST951	QNB0078-001	SPK TERMINAL		
⚠	T 2	QQT0281-001	POWER TRANSF		
	TA 1	QNZ0079-001Z	TAB I.M		
	TA 2	QNZ0079-001Z	TAB I.M		
⚠	TH 71	QAD0095-4R7Z	POSISTOR		
⚠	TH731	QAD0012-202	THERMISTOR		
⚠	TH831	QAD0012-202	THERMISTOR		
⚠	TH832	QAD0012-202	THERMISTOR		

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■ Electrical parts list (AC-3 board)　　　　Block No.　05

⚠	Item	Parts number	Parts name	Remarks	Area	⚠	Item	Parts number	Parts name	Remarks	Area
	C 601	NCB31HK-102X	C CAPACITOR				C2503	NEA71EM-475X	E CAPACITOR		
	C 602	NCB31HK-102X	C CAPACITOR				C2504	NEA71EM-475X	E CAPACITOR		
	C 603	NEA70JM-476X	E CAPACITOR				C2505	NCS31HJ-560X	C CAPACITOR		
	C 604	NEA70JM-476X	E CAPACITOR				C2506	NCS31HJ-560X	C CAPACITOR		
	C 605	NCB31CK-104X	C CAPACITOR				C2507	NCS31HJ-560X	C CAPACITOR		
	C 606	NCB31CK-104X	C CAPACITOR				C2508	NCS31HJ-560X	C CAPACITOR		
	C 607	NEA71CM-476X	E CAPACITOR				C2509	NCF31CZ-104X	C CAPACITOR		
	C 608	NCB31CK-104X	C CAPACITOR				C2510	NCF31CZ-104X	C CAPACITOR		
	C 609	NCB31CK-104X	C CAPACITOR				C2511	NCB31AK-474X	C CAPACITOR		
	C 610	NEA70JM-476X	E CAPACITOR				C2512	NCB31AK-474X	C CAPACITOR		
	C 611	NEA70JM-226X	E CAPACITOR				C2513	NCB31CK-183X	C CAPACITOR		
	C 612	NCB31CK-103X	C CAPACITOR				C2514	NCB31CK-183X	C CAPACITOR		
	C 621	NEA71HM-105X	E CAPACITOR				C2515	NCB31HK-182X	C CAPACITOR		
	C 622	NCB31HK-101X	C CAPACITOR				C2516	NCB31HK-182X	C CAPACITOR		
	C 623	NCB30JK-105X	C CAPACITOR				C2517	NCB31HK-562X	C CAPACITOR		
	C 624	NCB31CK-104X	C CAPACITOR				C2518	NCB31HK-562X	C CAPACITOR		
	C 625	NCB31CK-104X	C CAPACITOR				C2519	NCF31CZ-104X	C CAPACITOR		
	C 628	NCB31CK-103X	C CAPACITOR				C2520	NCF31CZ-104X	C CAPACITOR		
	C 629	NCB31CK-104X	C CAPACITOR				C2521	NCB31CK-103X	C CAPACITOR		
	C 631	NEA70GM-107X	E CAPACITOR				C2522	NCB31CK-103X	C CAPACITOR		
	C 632	NCB31CK-103X	C CAPACITOR				C2523	NCB31HK-272X	C CAPACITOR		
	C 633	NCB31CK-104X	C CAPACITOR				C2524	NCB31HK-272X	C CAPACITOR		
	C 634	NCB31CK-104X	C CAPACITOR				C2525	NCB31HK-392X	C CAPACITOR		
	C 635	NCB31CK-104X	C CAPACITOR				C2526	NCB31HK-392X	C CAPACITOR		
	C 636	NCB31CK-104X	C CAPACITOR				C2527	NEA71HM-225X	E CAPACITOR		
	C 637	NCB31CK-104X	C CAPACITOR				C2528	NEA71HM-225X	E CAPACITOR		
	C 638	NEA70JM-476X	E CAPACITOR				C2529	NCF31CZ-104X	C CAPACITOR		
	C 639	NCB31CK-103X	C CAPACITOR				C2530	NCF31CZ-104X	C CAPACITOR		
	C 641	NEA70JM-107X	E CAPACITOR				C2531	NCS31HJ-560X	C CAPACITOR		
	C 642	NCB31CK-103X	C CAPACITOR				C2532	NCS31HJ-560X	C CAPACITOR		
	C 643	NCB31AK-474X	C CAPACITOR				C2533	NEA71EM-475X	E CAPACITOR		
	C 644	NCB31CK-103X	C CAPACITOR				C2534	NEA71EM-475X	E CAPACITOR		
	C 645	NCS31HJ-101X	C CAPACITOR				C2539	NCF31CZ-104X	C CAPACITOR		
	C 646	NCB31CK-103X	C CAPACITOR				C2540	NCF31CZ-104X	C CAPACITOR		
	C 647	NCS31HJ-220X	C CAPACITOR				C2541	NCS31HJ-560X	C CAPACITOR		
	C 648	NCS31HJ-180X	C CAPACITOR				C2542	NCS31HJ-560X	C CAPACITOR		
	C 649	NCS31HJ-121X	C CAPACITOR				C2543	NEA71EM-475X	E CAPACITOR		
	C 653	NCB31CK-104X	C CAPACITOR				C2544	NEA71EM-475X	E CAPACITOR		
	C 654	NEA70GM-107X	E CAPACITOR				C2549	NCF31CZ-104X	C CAPACITOR		
	C 661	NCB31CK-103X	C CAPACITOR				C2550	NCF31CZ-104X	C CAPACITOR		
	C 671	NCB31CK-103X	C CAPACITOR				C2551	NCS31HJ-560X	C CAPACITOR		
	C 672	NEA70GM-107X	E CAPACITOR				C2552	NCS31HJ-560X	C CAPACITOR		
	C 673	NCB31HK-103X	C CAPACITOR				C2553	NCB31HK-562X	C CAPACITOR		
	C 677	NCB31HK-101X	C CAPACITOR				C2554	NCB31HK-562X	C CAPACITOR		
	C 679	NCB31HK-101X	C CAPACITOR				C2555	NCF31CZ-104X	C CAPACITOR		
	C 681	NCB31CK-103X	C CAPACITOR				C2556	NCF31CZ-104X	C CAPACITOR		
	C 682	NCB31CK-103X	C CAPACITOR				C2559	NCF31CZ-104X	C CAPACITOR		
	C 683	NCB31CK-103X	C CAPACITOR				C2560	NCF31CZ-104X	C CAPACITOR		
	C 684	NEA70JM-107X	E CAPACITOR				C2561	NEA71HM-105X	E CAPACITOR		
	C 685	NEA71CM-476X	E CAPACITOR				C2562	NEA71HM-105X	E CAPACITOR		
	C 686	NEA71CM-476X	E CAPACITOR				C2563	NCS31HJ-220X	C CAPACITOR		
	C 687	NCB31CK-103X	C CAPACITOR				C2564	NCS31HJ-220X	C CAPACITOR		
	C 688	NEA70JM-107X	E CAPACITOR				C2569	NCF31CZ-104X	C CAPACITOR		
	C 689	NCB31CK-103X	C CAPACITOR				C2570	NCF31CZ-104X	C CAPACITOR		
	C 690	NEA70JM-107X	E CAPACITOR				C2571	NCB31CK-103X	C CAPACITOR		
	C 691	NEA71HM-105X	E CAPACITOR				C2572	NCB31CK-103X	C CAPACITOR		
	C 692	NEA71HM-105X	E CAPACITOR				C2573	NCB31HK-272X	C CAPACITOR		
	C 693	NCB31CK-103X	C CAPACITOR				C2574	NCB31HK-272X	C CAPACITOR		
	C 694	NCB31CK-103X	C CAPACITOR				C2575	NCB31HK-392X	C CAPACITOR		
	C 695	NEA71HM-105X	E CAPACITOR				C2576	NCB31HK-392X	C CAPACITOR		
	C 696	NEA71HM-105X	E CAPACITOR				C2577	NEA71HM-225X	E CAPACITOR		
	C 697	NEA71HM-105X	E CAPACITOR				C2578	NEA71HM-225X	E CAPACITOR		
	C 698	NEA71HM-105X	E CAPACITOR				C2579	NCF31CZ-104X	C CAPACITOR		
	CN681	QGB1214K3-18W	CONNECTOR				C2580	NCF31CZ-104X	C CAPACITOR		
	CN687	QGB1214K3-12W	CONNECTOR				C2581	NEA71HM-105X	E CAPACITOR		
	C2500	NEA71CM-226X	E CAPACITOR				C2582	NEA71CM-106X	E CAPACITOR		
	C2501	NCB31AK-474X	C CAPACITOR				C2583	NCS31HJ-220X	C CAPACITOR		

■ Electrical parts list (AC-3 board)   Block No. 05

⚠	Item	Parts number	Parts name	Remarks	Area	⚠	Item	Parts number	Parts name	Remarks	Area
	C2584	NCS31HJ-560X	C CAPACITOR				K 621	NQR0269-007X	FERRITE BEADS		
	C2585	NCF31CZ-104X	C CAPACITOR				K 622	NQR0269-007X	FERRITE BEADS		
	C2586	NCF31CZ-104X	C CAPACITOR				K 687	NQR0319-001X	FERRITE BEADS		
	C2587	NCS31HJ-560X	C CAPACITOR				L 661	NQL024J-470X	INDUCTOR CM		
	C2588	NEA71CM-106X	E CAPACITOR				L 662	NQL024J-470X	INDUCTOR CM		
	C2589	NCF31CZ-104X	C CAPACITOR				L 663	NQL024J-470X	INDUCTOR CM		
	C2590	NCF31CZ-104X	C CAPACITOR				L 664	NQL024J-470X	INDUCTOR CM		
	C2591	NCB31CK-103X	C CAPACITOR				LC601	NQR0321-001X	EMI FILTER		
	C2592	NCB31HK-223X	C CAPACITOR				LC632	NQR0321-001X	EMI FILTER C.M		
	C2593	NCB31HK-272X	C CAPACITOR				LC641	NQR0321-001X	EMI FILTER C.M		
	C2594	NCB31CK-104X	C CAPACITOR				LC671	NQR0321-001X	EMI FILTER C.M		
	C2595	NCB31HK-392X	C CAPACITOR				Q 601	DTC114YE-X	TRANSISTOR		
	C2597	NEA71HM-225X	E CAPACITOR				Q 607	DTA144EKA-X	TRANSISTOR		
	C2598	NEA71EM-475X	E CAPACITOR				Q 670	DTC114YE-X	TRANSISTOR		
	C2599	NCF31CZ-104X	C CAPACITOR				Q 671	2SD1328/ST/-X	TRANSISTOR		
	C2600	NCF31CZ-104X	C CAPACITOR				Q 672	DTC114YE-X	TRANSISTOR		
	D 602	1SS355-X	DIODE				Q 673	DTA144EKA-X	TRANSISTOR		
	D 607	1SS355-X	DIODE				Q 674	DTC114YE-X	TRANSISTOR		
	D 608	1SS355-X	DIODE				Q 675	DTC114YE-X	TRANSISTOR		
	EP601	E409182-001SM	GRAND TERMINAL				Q2501	DTA144EKA-X	TRANSISTOR		
	IC501	BA15218F-XE	IC				Q2521	2SD1328/ST/-X	TRANSISTOR		
	IC510	BA15218F-XE	IC				Q2522	2SD1328/ST/-X	TRANSISTOR		
	IC511	BA15218F-XE	IC				Q2561	2SD1328/ST/-X	TRANSISTOR		
	IC521	BA15218F-XE	IC				Q2562	2SD1328/ST/-X	TRANSISTOR		
	IC531	BA15218F-XE	IC				Q2581	2SD1328/ST/-X	TRANSISTOR		
	IC541	BA15218F-XE	IC				Q2582	2SD1328/ST/-X	TRANSISTOR		
	IC551	BA15218F-XE	IC				R 601	NRSA63J-473X	MG RESISTOR		
	IC561	BA15218F-XE	IC				R 602	NRSA63J-473X	MG RESISTOR		
	IC571	BA15218F-XE	IC				R 603	NRSA63J-473X	MG RESISTOR		
	IC581	BA15218F-XE	IC				R 604	NRSA63J-473X	MG RESISTOR		
	IC591	BA15218F-XE	IC				R 605	NRSA63J-473X	MG RESISTOR		
	IC592	BA15218F-XE	IC				R 606	NRSA63J-221X	MG RESISTOR		
	IC601	AK4527VQ	IC				R 607	NRSA63J-221X	MG RESISTOR		
	IC602	BU4066BCF-X	IC				R 608	NRSA63J-221X	MG RESISTOR		
	IC611	BU4066BCF-X	IC				R 609	NRSA63J-221X	MG RESISTOR		
	IC621	TC7SU04FU-X	IC				R 610	NRSA63J-221X	MG RESISTOR		
	IC622	TC7SU04FU-X	IC				R 611	NRSA63J-332X	MG RESISTOR		
	IC631	TC9446F-013	IC				R 612	NRSA63J-103X	MG RESISTOR		
	IC641	W24L011AJ-15-X	IC				R 613	NRSA63J-822X	MG RESISTOR		
	IC671	UPD784215AGC102	IC				R 615	NRSA63J-432X	MG RESISTOR		
	IC672	TC7SET32FU-X	IC				R 617	NRSA63J-103X	MG RESISTOR		
	IC681	PQ3DZ53-X	IC				R 618	NRSA63J-103X	MG RESISTOR		
	IC683	PQ3DZ53-X	IC				R 619	NRSA63J-221X	MG RESISTOR		
	J 601	EMN00TV-107A	PIN JACK				R 620	NRSA63J-221X	MG RESISTOR		
	K 501	NQR0269-007X	FERRITE BEADS				R 621	NRSA63J-221X	MG RESISTOR		
	K 502	NQR0269-007X	FERRITE BEADS				R 622	NRSA63J-750X	MG RESISTOR		
	K 503	NQR0269-007X	FERRITE BEADS				R 623	NRSA63J-101X	MG RESISTOR		
	K 504	NQR0269-007X	FERRITE BEADS				R 625	NRSA63J-101X	MG RESISTOR		
	K 531	NQR0269-007X	FERRITE BEADS				R 627	NRSA63J-472X	MG RESISTOR		
	K 532	NQR0269-007X	FERRITE BEADS				R 628	NRSA63J-183X	MG RESISTOR		
	K 541	NQR0269-007X	FERRITE BEADS				R 629	NRSA63J-101X	MG RESISTOR		
	K 542	NQR0269-007X	FERRITE BEADS				R 633	NRSA63J-221X	MG RESISTOR		
	K 561	NQR0269-007X	FERRITE BEADS				R 639	NRSA63J-472X	MG RESISTOR		
	K 562	NQR0269-007X	FERRITE BEADS				R 641	NRSA63J-102X	MG RESISTOR		
	K 581	NQR0269-007X	FERRITE BEADS				R 642	NRSA63J-103X	MG RESISTOR		
	K 582	NQR0269-007X	FERRITE BEADS				R 643	NRSA63J-101X	MG RESISTOR		
	K 601	NQR0269-007X	FERRITE BEADS				R 644	NRSA63J-563X	MG RESISTOR		
	K 611	NQR0269-007X	FERRITE BEADS				R 645	NRSA63J-102X	MG RESISTOR		
	K 612	NQR0269-007X	FERRITE BEADS				R 646	NRSA63J-103X	MG RESISTOR		
	K 613	NQR0269-007X	FERRITE BEADS				R 647	NRSA63J-225X	MG RESISTOR		
	K 614	NQR0269-007X	FERRITE BEADS				R 648	NRSA63J-472X	MG RESISTOR		
	K 615	NQR0269-007X	FERRITE BEADS				R 649	NRSA63J-1R0X	MG RESISTOR		
	K 616	NQR0269-007X	FERRITE BEADS				R 650	NRSA63J-1R0X	MG RESISTOR		
	K 617	NQR0269-007X	FERRITE BEADS				R 651	NRSA63J-0R0X	MG RESISTOR		
	K 618	NQR0269-007X	FERRITE BEADS				R 652	NRSA63J-0R0X	MG RESISTOR		
	K 619	NQR0269-007X	FERRITE BEADS				R 657	NRSA63J-103X	MG RESISTOR		
	K 620	NQR0269-007X	FERRITE BEADS				R 661	NRSA63J-221X	MG RESISTOR		

RX-8000VBK

■ Electrical parts list (AC-3 board)

Block No. 05

△	Item	Parts number	Parts name	Remarks	Area
	R 662	NRSA63J-221X	MG RESISTOR		
	R 663	NRSA63J-221X	MG RESISTOR		
	R 664	NRSA63J-221X	MG RESISTOR		
	R 669	NRSA63J-103X	MG RESISTOR		
	R 670	NRSA63J-103X	MG RESISTOR		
	R 671	NRSA63J-103X	MG RESISTOR		
	R 672	NRSA63J-105X	MG RESISTOR		
	R 673	NRSA63J-432X	MG RESISTOR		
	R 674	NRSA63J-432X	MG RESISTOR		
	R 675	NRSA63J-432X	MG RESISTOR		
	R 676	NRSA63J-432X	MG RESISTOR		
	R 677	NRSA63J-822X	MG RESISTOR		
	R 678	NRSA63J-822X	MG RESISTOR		
	R 679	NRSA63J-822X	MG RESISTOR		
	R 680	NRSA63J-822X	MG RESISTOR		
	R 681	NRSA63J-103X	MG RESISTOR		
	R 682	NRSA63J-103X	MG RESISTOR		
	R 683	NRSA63J-0R0X	MG RESISTOR		
	R 685	NRSA63J-103X	MG RESISTOR		
	R 686	NRSA63J-151X	MG RESISTOR		
	R 691	NRSA63J-104X	MG RESISTOR		
	R 692	NRSA63J-104X	MG RESISTOR		
	R 695	NRSA63J-104X	MG RESISTOR		
	R 696	NRSA63J-104X	MG RESISTOR		
	R 697	NRSA63J-104X	MG RESISTOR		
	R 698	NRSA63J-104X	MG RESISTOR		
	R2500	NRSA63J-102X	MG RESISTOR		
	R2501	NRSA63J-104X	MG RESISTOR		
	R2502	NRSA63J-104X	MG RESISTOR		
	R2503	NRSA63J-183X	MG RESISTOR		
	R2504	NRSA63J-183X	MG RESISTOR		
	R2505	NRSA63J-103X	MG RESISTOR		
	R2506	NRSA63J-103X	MG RESISTOR		
	R2507	NRSA63J-103X	MG RESISTOR		
	R2508	NRSA63J-103X	MG RESISTOR		
	R2509	NRSA63J-103X	MG RESISTOR		
	R2510	NRSA63J-103X	MG RESISTOR		
	R2511	NRSA63J-102X	MG RESISTOR		
	R2512	NRSA63J-102X	MG RESISTOR		
	R2513	NRSA63J-102X	MG RESISTOR		
	R2514	NRSA63J-102X	MG RESISTOR		
	R2515	NRSA63J-102X	MG RESISTOR		
	R2516	NRSA63J-102X	MG RESISTOR		
	R2517	NRSA63J-102X	MG RESISTOR		
	R2518	NRSA63J-102X	MG RESISTOR		
	R2519	NRSA63J-102X	MG RESISTOR		
	R2520	NRSA63J-102X	MG RESISTOR		
	R2521	NRSA63J-102X	MG RESISTOR		
	R2522	NRSA63J-102X	MG RESISTOR		
	R2523	NRSA63J-102X	MG RESISTOR		
	R2524	NRSA63J-102X	MG RESISTOR		
	R2525	NRSA63J-102X	MG RESISTOR		
	R2526	NRSA63J-102X	MG RESISTOR		
	R2527	NRSA63J-104X	MG RESISTOR		
	R2528	NRSA63J-104X	MG RESISTOR		
	R2529	NRSA63J-103X	MG RESISTOR		
	R2530	NRSA63J-103X	MG RESISTOR		
	R2531	NRSA63J-113X	MG RESISTOR		
	R2532	NRSA63J-113X	MG RESISTOR		
	R2533	NRSA63J-103X	MG RESISTOR		
	R2534	NRSA63J-103X	MG RESISTOR		
	R2535	NRSA63J-103X	MG RESISTOR		
	R2536	NRSA63J-103X	MG RESISTOR		
	R2537	NRSA63J-104X	MG RESISTOR		
	R2538	NRSA63J-104X	MG RESISTOR		
	R2541	NRSA63J-113X	MG RESISTOR		
	R2542	NRSA63J-113X	MG RESISTOR		

△	Item	Parts number	Parts name	Remarks	Area
	R2543	NRSA63J-103X	MG RESISTOR		
	R2544	NRSA63J-103X	MG RESISTOR		
	R2545	NRSA63J-562X	MG RESISTOR		
	R2546	NRSA63J-562X	MG RESISTOR		
	R2547	NRSA63J-104X	MG RESISTOR		
	R2548	NRSA63J-104X	MG RESISTOR		
	R2550	NRSA63J-272X	MG RESISTOR		
	R2551	NRSA63J-103X	MG RESISTOR		
	R2552	NRSA63J-103X	MG RESISTOR		
	R2553	NRSA63J-153X	MG RESISTOR		
	R2554	NRSA63J-153X	MG RESISTOR		
	R2555	NRSA63J-822X	MG RESISTOR		
	R2556	NRSA63J-822X	MG RESISTOR		
	R2557	NRSA63J-103X	MG RESISTOR		
	R2558	NRSA63J-223X	MG RESISTOR		
	R2560	NRSA63J-105X	MG RESISTOR		
	R2561	NRSA63J-104X	MG RESISTOR		
	R2562	NRSA63J-104X	MG RESISTOR		
	R2563	NRSA63J-103X	MG RESISTOR		
	R2564	NRSA63J-103X	MG RESISTOR		
	R2565	NRSA63J-302X	MG RESISTOR		
	R2566	NRSA63J-302X	MG RESISTOR		
	R2567	NRSA63J-103X	MG RESISTOR		
	R2568	NRSA63J-103X	MG RESISTOR		
	R2571	NRSA63J-102X	MG RESISTOR		
	R2572	NRSA63J-102X	MG RESISTOR		
	R2573	NRSA63J-102X	MG RESISTOR		
	R2574	NRSA63J-102X	MG RESISTOR		
	R2575	NRSA63J-102X	MG RESISTOR		
	R2576	NRSA63J-102X	MG RESISTOR		
	R2577	NRSA63J-104X	MG RESISTOR		
	R2578	NRSA63J-104X	MG RESISTOR		
	R2581	NRSA63J-104X	MG RESISTOR		
	R2582	NRSA63J-104X	MG RESISTOR		
	R2583	NRSA63J-103X	MG RESISTOR		
	R2584	NRSA63J-223X	MG RESISTOR		
	R2585	NRSA63J-302X	MG RESISTOR		
	R2586	NRSA63J-332X	MG RESISTOR		
	R2587	NRSA63J-103X	MG RESISTOR		
	R2588	NRSA63J-103X	MG RESISTOR		
	R2589	NRSA63J-104X	MG RESISTOR		
	R2590	NRSA63J-333X	MG RESISTOR		
	R2591	NRSA63J-102X	MG RESISTOR		
	R2592	NRSA63J-333X	MG RESISTOR		
	R2593	NRSA63J-102X	MG RESISTOR		
	R2594	NRSA63J-333X	MG RESISTOR		
	R2595	NRSA63J-102X	MG RESISTOR		
	R2596	NRSA63J-102X	MG RESISTOR		
	R2597	NRSA63J-104X	MG RESISTOR		
	R2598	NRSA63J-104X	MG RESISTOR		
	UN661	GP1FA550RZ	OPT RECEIVER		
	UN662	GP1FA550RZ	OPT RECEIVER		
	UN663	GP1FA550TZ	OPT TRANSMITTER		
	UN664	GP1FA550RZ	OPT RECEIVER		
	X 631	NAX0385-001X	CRYSTAL		
	X 671	NAX0275-001X	C OSCILLATOR		

■ Electrical parts list (Tuner board)   **Block No. 06**

⚠	Item	Parts number	Parts name	Remarks	Area
	AT101	QNB0014-001	ANT TERMINAL		
	BK 1	LV31618-001A	SHIELD BKT		
	C 101	NCB21HK-103X	C CAPACITOR		
	C 103	NCB21HK-223X	C CAPACITOR		
	C 105	NCB21HK-223X	C CAPACITOR		
	C 107	QEKC1CM-226Z	E CAPACITOR	22MF 20% 16V	
	C 111	NCB21HK-473X	C CAPACITOR		
	C 112	NDC21HJ-120X	C CAPACITOR		
	C 121	NDC21HJ-120X	C CAPACITOR		
	C 122	NDC21HJ-120X	C CAPACITOR		
	C 123	NCB21HK-473X	C CAPACITOR		
	C 126	NCS21HJ-101X	C CAPACITOR		
	C 128	QENC1HM-474Z	NP E CAPACITOR	.47MF 20% 50V	
	C 129	NCB21HK-102X	C CAPACITOR	C/M B	
	C 130	QEKC1AM-107Z	E CAPACITOR	100MF 20% 10V	
	C 133	QEKC1CM-226Z	E CAPACITOR	22MF 20% 16V	
	C 134	NCB21HK-222X	C CAPACITOR		
	C 135	NCB21HK-223X	C CAPACITOR		
	C 136	QEKC1HM-105Z	E CAPACITOR	1.0MF 20% 50V	
	C 137	NCB21HK-331X	C CAPACITOR		
	C 138	NCB21HK-473X	C CAPACITOR		
	C 139	NCB21HK-333X	C CAPACITOR		
	C 140	NCB21HK-333X	C CAPACITOR		
	C 141	NCB21HK-473X	C CAPACITOR		
	C 143	NCB21HK-223X	C CAPACITOR		
	C 144	NCB21HK-473X	C CAPACITOR		
	C 146	QEKC1HM-105Z	E CAPACITOR	1.0MF 20% 50V	
	C 147	QEKC1HM-105Z	E CAPACITOR	1.0MF 20% 50V	
	C 148	QEKC1HM-224Z	E CAPACITOR	.22MF 20% 50V	
	C 149	QEKC1HM-105Z	E CAPACITOR	1.0MF 20% 50V	
	C 150	QEKC1CM-226Z	E CAPACITOR	22MF 20% 16V	
	C 156	QDGB1HK-102Y	C CAPACITOR		
	C 157	NCB21HK-473X	C CAPACITOR		
	C 158	QEKC1CM-226Z	E CAPACITOR	22MF 20% 16V	
	C 161	QEK41CM-106	E CAPACITOR	10MF 20% 16V	
	C 162	QEK41CM-106	E CAPACITOR	10MF 20% 16V	
	C 163	NCB21HK-223X	C CAPACITOR		
	C 164	NCB21HK-473X	C CAPACITOR		
	C 168	QEKC1HM-105Z	E CAPACITOR	1.0MF 20% 50V	
	C 184	QEKC1CM-107Z	E CAPACITOR	100MF 20% 16V	
	C 185	QEK41CM-106	E CAPACITOR	10MF 20% 16V	
	C 186	QEK41CM-106	E CAPACITOR	10MF 20% 16V	
	CF101	QAX0419-001Z	C FILTER		
	CF102	QAX0604-001Z	C FILTER		
	CF103	QAX0519-001Z	C FILTER		
	CN111	QGB2501K2-12	CONECTOR		
	D 121	1SS133-T2	SI DIODE		
	D 123	1SS133-T2	SI DIODE		
	D 124	1SS133-T2	SI DIODE		
	D 125	1SS133-T2	SI DIODE		
	D 129	1SS133-T2	SI DIODE		
	IC102	LA1838	IC		
	IC121	LC72136N	IC		
	Q 102	2SC535/BC/-T	TRANSISTOR		
	Q 103	2SC461/BC/-T	TRANSISTOR		
	Q 121	DTA124ESA-T	D.TRANSISTOR		
	R 103	NRSA02J-221X	MG RESISTOR		
	R 104	NRSA02J-272X	MG RESISTOR		
	R 105	NRSA02J-391X	MG RESISTOR		
	R 106	NRSA02J-102X	MG RESISTOR		
	R 107	NRSA02J-391X	MG RESISTOR		
	R 108	NRSA02J-332X	MG RESISTOR		
	R 109	NRSA02J-221X	MG RESISTOR		
	R 115	NRSA02J-104X	MG RESISTOR		
	R 119	NRSA02J-103X	MG RESISTOR		
	R 122	NRSA02J-472X	MG RESISTOR		
	R 124	NRSA02J-222X	MG RESISTOR		

⚠	Item	Parts number	Parts name	Remarks	Area
	R 126	NRSA02J-562X	MG RESISTOR		
	R 127	NRSA02J-822X	MG RESISTOR		
	R 128	NRSA02J-472X	MG RESISTOR		
	R 129	NRSA02J-222X	MG RESISTOR		
	R 130	QRZ9005-680X	F RESISTOR	68 1/0W	
	R 132	NRSA02J-393X	MG RESISTOR		
	R 133	NRSA02J-392X	MG RESISTOR		
	R 134	NRSA02J-102X	MG RESISTOR		
	R 140	NRSA02J-183X	MG RESISTOR		
	R 141	NRSA02J-102X	MG RESISTOR		
	R 142	NRSA02J-470X	MG RESISTOR		
	R 143	NRSA02J-562X	MG RESISTOR		
	R 144	NRSA02J-332X	MG RESISTOR		
	R 145	NRSA02J-103X	MG RESISTOR		
	R 146	NRSA02J-392X	MG RESISTOR		
	R 147	NRSA02J-332X	MG RESISTOR		
	R 150	NRSA02J-331X	MG RESISTOR		
	R 157	NRSA02J-682X	MG RESISTOR		
	R 158	NRSA02J-682X	MG RESISTOR		
	R 161	NRSA02J-102X	MG RESISTOR		
	R 162	NRSA02J-102X	MG RESISTOR		
	R 182	NRSA02J-103X	MG RESISTOR		
	R 183	NRSA02J-103X	MG RESISTOR		
	R 184	NRSA02J-103X	MG RESISTOR		
	RF101	QAU0124-002	FRONT END		
	T 111	QQR0796-001	COIL BLOCK		
	T 142	QQR0973-001	IFT		
	X 121	QAX0402-001	CRYSTAL		

Packing materials and accessories parts list
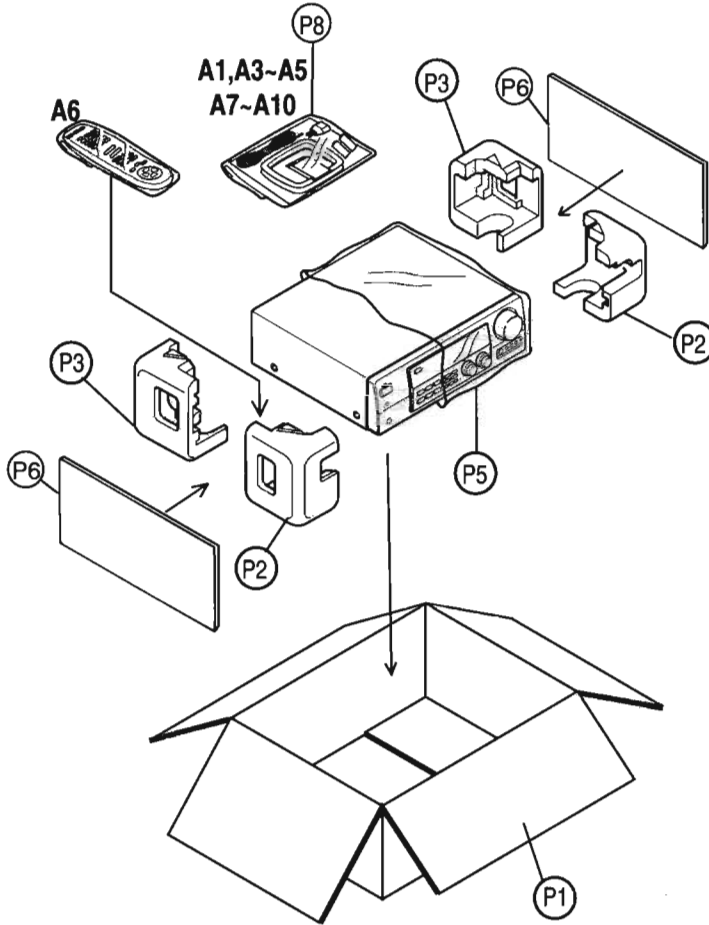
Block No. Ⓜ ② Ⓜ Ⓜ
Block No. Ⓜ ③ Ⓜ Ⓜ

■ Packing parts list

Block No. M2MM

⚠	Item	Parts number	Parts name	Q'ty	Description	Area
	P 1	LV30044-0F9A	CARTON BOX	1	RX-8000VBK	
	P 2	LV20039-002A	PACKING PAD	1		
	P 3	LV20040-001A	PACKING PAD	1		
	P 5	QPC06507015P	POLY BAG	1		
	P 6	LV32034-003A	SHEET	2		
	P 8	QPA02503505P	POLY BAG	1		

■ Accessories parts list

Block No. M3MM

⚠	Item	Parts number	Parts name	Q'ty	Description	Area
	A 1	LVT0427-002A	I.BOOK(VER.C)	1	(ENG.FRE)	
		LVT0427-001A	I.BOOK(VER.J)	1	(ENG)	
	A 3	EWP503-001C	ANT.WIRE	1		
	A 4	QAL0204-001	AM LOOP ANT	1		
	A 5	BT-51020-2	J=REGIST CARD	1	VER.J	
	A 6	RM-SRX8000J	REMOCON	1		
	A 7	---------------	BATTERY	1		
	A 8	BT-20044G	SAFETY SHEET	1	VER.J	
	A 9	BT-52004-1	WARRANTY CARD	1	VER.C	
	A 10	BT-20071B	SERVICE NETWORK	1	VER.C	

-MEMO-

RX-8000VBK

JVC

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