

# JVC

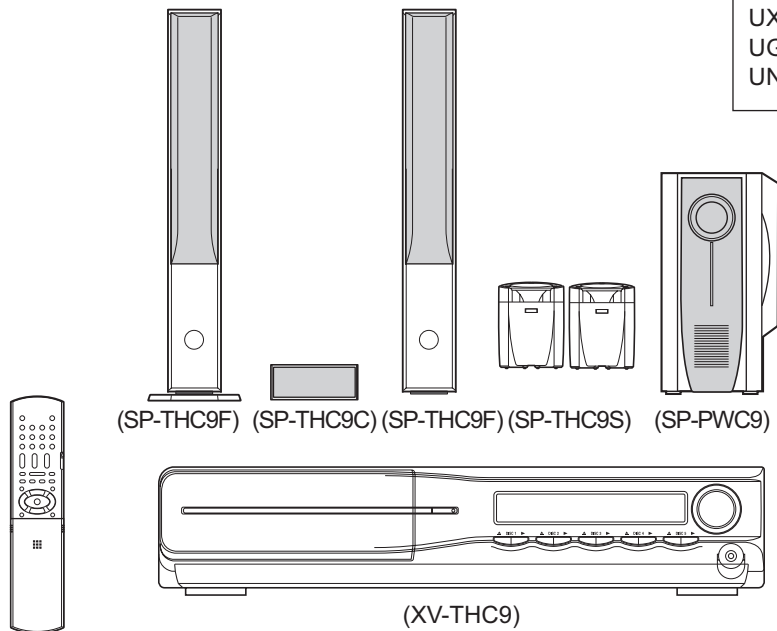
## SERVICE MANUAL

### DVD DIGITAL CINEMA SYSTEM

## TH-C9

#### Area suffix

US ----- Singapore  
UT ----- Taiwan  
UX ----- Saudi Arabia  
UG --- Turkey, South Africa, Egypt  
UN ----- Asean



*Digital Direct Progressive Scan*

Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

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# SPECIFICATION

## Center unit-XV-THC9

Audio section	Total Harmonic Distortion *1		0.02%
	Digital input*2		DIGITAL IN (DBS): -21 dBm to -15 dBm (OPTICAL): (660 nm ±30 nm)
Video section	Video System		PAL/NTSC
	Horizontal Resolution		500 lines
	Signal-to-Noise Ratio		64 dB
	Video output level		Composite: 1.0 V(p-p)/75 Ω S-video-Y: 1.0 V(p-p)/75 Ω S-video-C: For PAL: 0.3 V(p-p)/75 Ω S-video-C: For NTSC: 0.286 V(p-p)/75 Ω Component-Y: 1.0 V(p-p)/75 Ω Component-PB/PR: 0.7 V(p-p)/75 Ω
	Video input sensitivity/Impedance (VCR IN)		Composite: 1.0 V(p-p)/75 Ω S-video-Y: 1.0 V(p-p)/75 Ω S-video-C: For PAL: 0.3 V(p-p)/75 Ω S-video-C: For NTSC: 0.286 V(p-p)/75 Ω
Tuner section	Tuning Range	FM	87.5 MHz to 108.0 MHz
		AM (Except for Middle East)	531 kHz to 1 710 kHz(at 9 kHz channel spacing) 530 kHz to 1 710 kHz(at 10 kHz channel spacing)
		AM (For Middle East)	531 kHz to 1 602 kHz(at 9 kHz channel spacing) 530 kHz to 1 600 kHz(at 10 kHz channel spacing)
General	Power Requirements		AC 110-240 V , 50/60 Hz
	Power Consumption		19 W (at operation) 1.9 W (in standby mode)
	Dimensions (W × H × D)		400 mm × 85 mm × 399 mm
	Mass		4.2 kg

\*1: This value is measured at System cord CONNECTOR for reference.

\*2: Corresponding to Linear PCM, Dolby Digital, and DTS Digital Surround (with sampling frequency -32 kHz, 44.1 kHz, 48 kHz)

## Subwoofer-SP-PWC9

Amplifier section	Front/Center/Surround	140 W per channel, RMS at 4 Ω at 1 kHz, with 10% total harmonic distortion.
	Subwoofer	300 W, RMS at 4 Ω at 40 Hz, with 10% total harmonic distortion.
Speaker section	Speaker unit	25 cm Bass-reflex
	Power Handling Capacity	300 W
	Impedance	4 Ω
	Frequency Range	25 Hz to 200 Hz
General	Power Requirements	AC 110 V/ AC 127 V/AC 220-240 V , 50/60 Hz
	Power Consumption	110 W (at operation) 0 W (in standby mode)
	Dimensions (W × H × D)	264 mm × 481 mm × 459 mm
	Mass	17.6 kg

**Satellite Speaker-SP-XTHC9**

Front speakers (SP-THC9F)	Speaker unit	Woofer	10.0 cm × 2
		Midrange	10.0 cm × 2
		Tweeter	4 cm Bass-reflex, Magnetically Shielded
	Power Handling Capacity		140 W
	Impedance		4 Ω
	Frequency Range		60 Hz to 20 kHz
	Dimensions (W × H × D)		270 mm × 108.5 mm × 310 mm
	Mass		8.8 kg each
Center speaker (SP-THC9C)	Speaker unit	Woofer	10.0 cm × 2
		Tweeter	4 cm Bass-reflex, Magnetically Shielded
	Power Handling Capacity		140 W
	Impedance		4 Ω
	Frequency Range		65 Hz to 20 kHz
	Dimensions (W × H × D)		380 mm × 141 mm × 168 mm
	Mass		3.4 kg
Surround speakers (SP-THC9S)	Speaker unit		8.0 cm Bass-reflex
	Power Handling Capacity		140 W
	Impedance		4 Ω
	Frequency Range		80 Hz to 20 kHz
	Dimensions (W × H × D)		111.5 mm × 148 mm × 106.5 mm
	Mass		0.44 kg each

Designs & specifications are subject to change without notice.

# SECTION 1 PRECAUTION

## 1.1 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 manufacturer 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 ( $\Delta$ ) 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 reassembling.

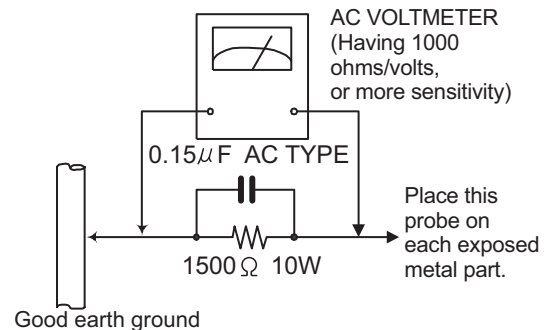
### (5) Leakage shock hazard testing

After reassembling 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 part 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 $\Omega$  per volt or more sensitivity in the following manner. Connect a 1,500 $\Omega$  10W resistor paralleled by a 0.15 $\mu$ F 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 each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure 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.).



## 1.2 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.

## 1.3 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 pre-forming repair of this system.**

## 1.4 Critical parts for safety

In regard with component parts appearing on the silk-screen printed side (parts side) of the PWB diagrams, the parts that are printed over with black such as the resistor (■), diode (■) and ICP (●) or identified by the " $\Delta$ " mark nearby are critical for safety. When replacing them, be sure to use the parts of the same type and rating as specified by the manufacturer. (This regulation does not Except the J and C version)

## 1.5 Preventing static electricity

Electrostatic discharge (ESD), which occurs when static electricity stored in the body, fabric, etc. is discharged, can destroy the laser diode in the traverse unit (optical pickup). Take care to prevent this when performing repairs.

### 1.5.1 Grounding to prevent damage by static electricity

Static electricity in the work area can destroy the optical pickup (laser diode) in devices such as laser products.

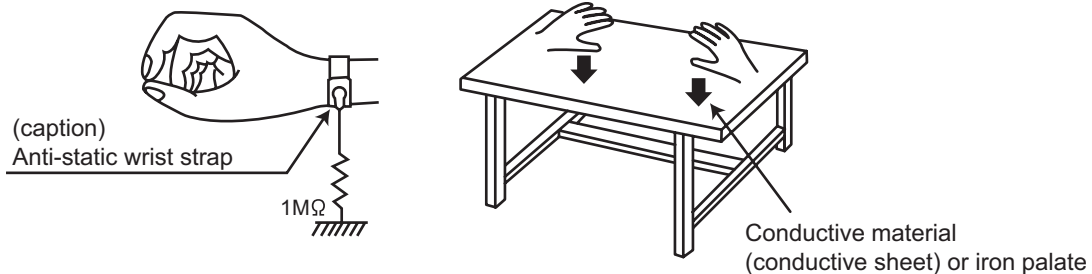
Be careful to use proper grounding in the area where repairs are being performed.

(1) Ground the workbench

Ground the workbench by laying conductive material (such as a conductive sheet) or an iron plate over it before placing the traverse unit (optical pickup) on it.

(2) Ground yourself

Use an anti-static wrist strap to release any static electricity built up in your body.



(3) Handling the optical pickup

- In order to maintain quality during transport and before installation, both sides of the laser diode on the replacement optical pickup are shorted. After replacement, return the shorted parts to their original condition. (Refer to the text.)
- Do not use a tester to check the condition of the laser diode in the optical pickup. The tester's internal power source can easily destroy the laser diode.

## 1.6 Handling the traverse unit (optical pickup)

(1) Do not subject the traverse unit (optical pickup) to strong shocks, as it is a sensitive, complex unit.

(2) Cut off the shorted part of the flexible cable using nippers, etc. after replacing the optical pickup. For specific details, refer to the replacement procedure in the text. Remove the anti-static pin when replacing the traverse unit. Be careful not to take too long a time when attaching it to the connector.

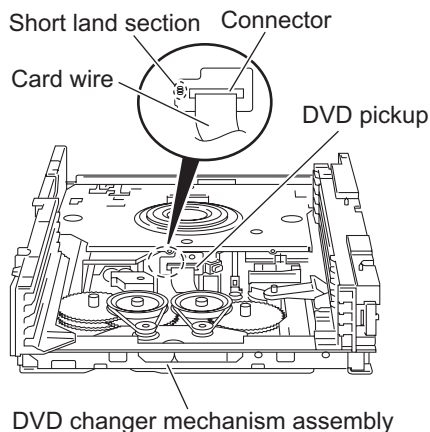
(3) Handle the flexible cable carefully as it may break when subjected to strong force.

(4) It is not possible to adjust the semi-fixed resistor that adjusts the laser power. Do not turn it.

## 1.7 Attention when traverse unit is decomposed

**\*Please refer to "Disassembly method" in the text for the pickup unit.**

- Apply solder to the short land sections before the flexible wire is disconnected from the connector on the servo board. (If the flexible wire is disconnected without applying solder, the pickup may be destroyed by static electricity.)
- In the assembly, be sure to remove solder from the short land sections after connecting the flexible wire.



## 1.8 Important for laser products

### 1.CLASS 1 LASER PRODUCT

**2.DANGER** : Invisible laser radiation when open and interlock failed or defeated. Avoid direct exposure to beam.

**3.CAUTION** : There are no serviceable parts inside the Laser Unit. Do not disassemble the Laser Unit. Replace the complete Laser Unit if it malfunctions.

**4.CAUTION** : The CD,MD and DVD player uses invisible laser radiation and is equipped with safety switches which prevent emission of radiation when the drawer is open and the safety interlocks have failed or are defeated. It is dangerous to defeat the safety switches.

**5.CAUTION** : If safety switches malfunction, the laser is able to function.

**6.CAUTION** : Use of controls, adjustments or performance of procedures other than those specified here in may result in hazardous radiation exposure.



**CAUTION** Please use enough caution not to see the beam directly or touch it in case of an adjustment or operation check.

**CAUTION** : Visible and invisible laser radiation when open and interlock failed or defeated.

AVOID DIRECT EXPOSURE TO BEAM.

**ADVARSEL** : Synlig og usynlig laserstråling når maskinen er åben eller interlocken fejler. Undgå direkte eksponering til stråling.

**VARNING** : Synlig och osynlig laserstråling när den öppnas och spärren är urkopplad. Betrakta ej strålen.

**VARO** : Avattaessa ja suojalukitus ohitettuna tai viallisena olet alttiina näkyvälle ja näkymättömälle lasersäteilylle. Vältä säteen kohdistumista suoraan itseesi.

## REPRODUCTION AND POSITION OF LABELS

### WARNING LABEL

<b>CAUTION</b> : Visible and invisible laser radiation when open and interlock failed or defeated. AVOID DIRECT EXPOSURE TO BEAM. (e)	<b>ADVARSEL</b> : Synlig og usynlig laserstråling når maskinen er åben eller interlocken fejler. Undgå direkte eksponering til stråling. (d)	<b>VARNING</b> : Synlig och osynlig laserstråling när den öppnas och spärren är urkopplad. Betrakta ej strålen. (s)	<b>VARO</b> : Avattaessa ja suojalukitus ohitettuna tai viallisena olet alttiina näkyvälle ja näkymättömälle lasersäteilylle. Vältä säteen kohdistumista suoraan itseesi. (f)
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<b>CAUTION</b> : Visible and invisible laser radiation when open and interlock failed or defeated. AVOID DIRECT EXPOSURE TO BEAM. (e)	<b>VARO</b> : Avattaessa ja suojalukitus ohitettuna tai viallisena olet alttiina näkyvälle ja näkymättömälle lasersäteilylle. Vältä säteen kohdistumista suoraan itseesi. (f)
<b>VARNING</b> : Synlig och osynlig laserstråling när den öppnas och spärren är urkopplad. Betrakta ej strålen. (s)	<b>ADVARSEL</b> : Synlig og usynlig laserstråling når maskinen er åben eller interlocken fejler. Undgå direkte eksponering til stråling. (d)

**SECTION 2**  
**SPECIFIC SERVICE INSTRUCTIONS**

This service manual does not describe SPECIFIC SERVICE INSTRUCTIONS.

## SECTION 3 DISASSEMBLY

### 3.1 Main body section

#### 3.1.1 Removing the metal cover (See Figs. 1 to 4)

- (1) From the both sides of the main body, remove the four screws **A** attaching the metal cover. (See Figs. 1 and 2.)
- (2) From the back side of the main body, remove the three screws **B** attaching the metal cover. (See Fig. 3.)
- (3) Lift the rear section of the metal cover in the direction of the arrow while extending the lower sections of the metal cover, release the seven claws **a** using a longer screwdriver from the inside as required. (See Fig. 4.)

**Note:**

Do not damage any parts and boards inside the main body when releasing the claws **a** using a longer screwdriver.

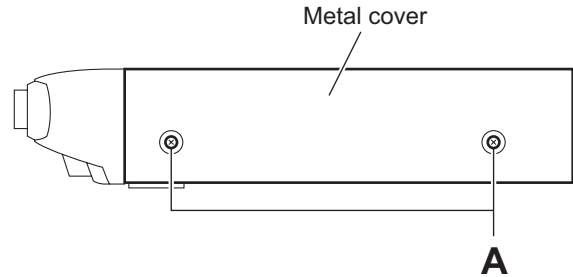


Fig.1

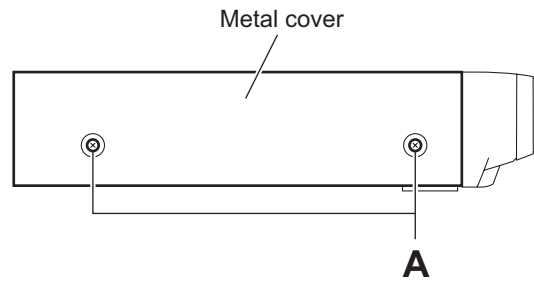


Fig.2

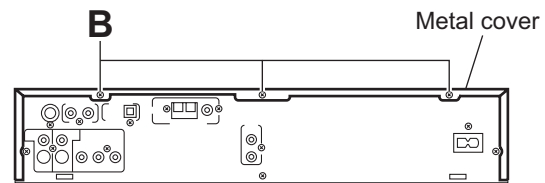


Fig.3

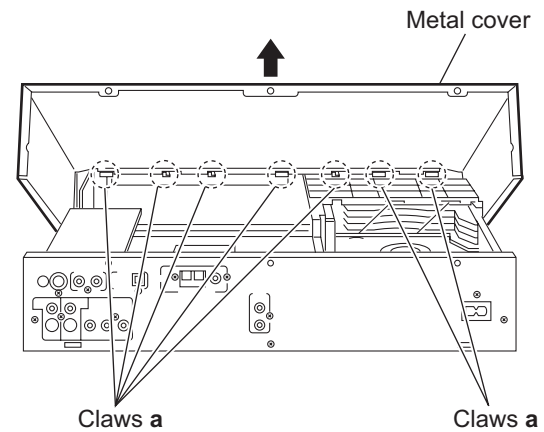


Fig.4



### 3.1.2 Removing the front panel assembly (See Figs. 5 and 6)

- Prior to performing the following procedures, remove the metal cover.

- (1) From the top side of the main body, disconnect the parallel wires from the connectors (CN456, CN457) on the main board. (See Fig. 5.)
- (2) Disconnect the card wires from the connectors (CN450, CN460) on the main board. (See Fig. 5.)
- (3) Remove the screw **C** attaching the earth wires to the main board. (See Fig. 5.)

**Reference:**

When attaching the screw **C**, attach the earth wires with it. (See Fig. 5.)

- (4) From the bottom side of the main body, remove the three screws **D** attaching the front panel assembly. (See Fig. 6.)
- (5) From the both and bottom sides of the main body, remove the front panel assembly in the direction of the arrow while releasing the joints **b** and **c**. (See Fig. 6.)

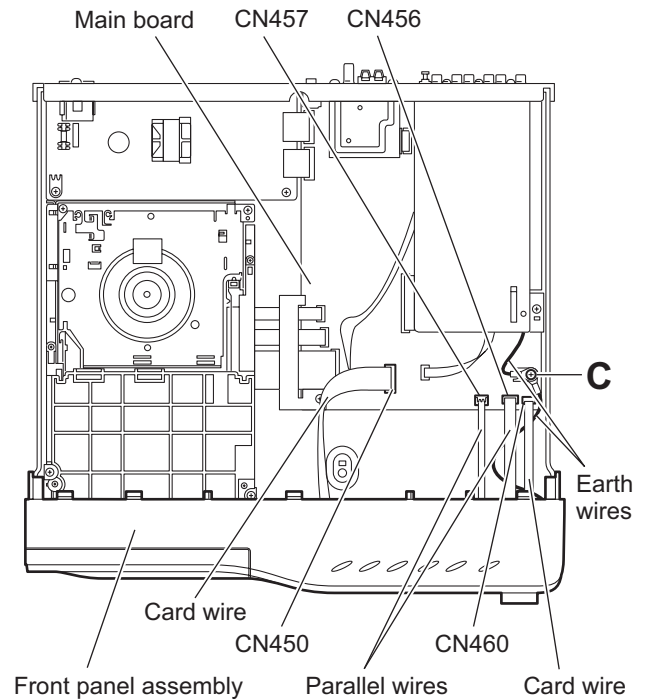


Fig.5

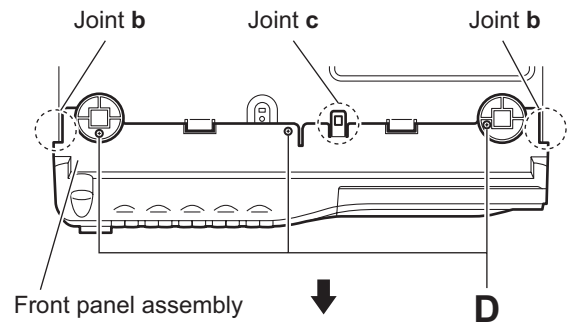


Fig.6

### 3.1.3 Removing the DVD changer mechanism assembly (See Fig. 7)

- Prior to performing the following procedures, remove metal cover and front panel assembly.

- (1) From the top side of the main body, remove the screw **E** attaching the wire protection board to the main board.
- (2) Take out the wire protection board, and disconnect the card wires from the connectors ([CN401](#) to [CN403](#)) on the main board.

**Reference:**

When attaching the wire protection board, attach the wire protection board after connecting the card wires to the connectors ([CN401](#) to [CN403](#)) on the main board.

- (3) Remove the four screws **F** attaching the DVD changer mechanism assembly on the bottom chassis.
- (4) Take out the DVD changer mechanism assembly in the upward direction.

**Reference:**

When attaching the DVD changer mechanism assembly, align the holes of the DVD changer mechanism assembly to the projections **d** on the bottom chassis.

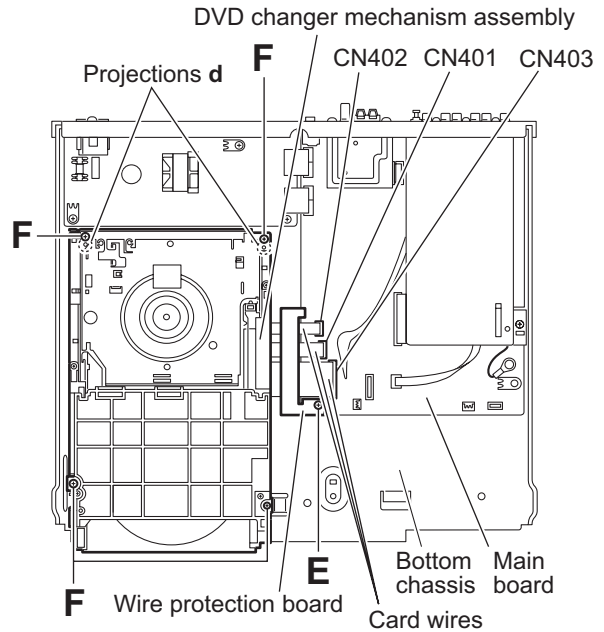


Fig.7

### 3.1.4 Removing the rear panel (See Fig. 8)

- Prior to performing the following procedures, remove the metal cover.

- (1) From the back side of the main body, remove the screw **G** and eleven screws **H** attaching the rear panel.

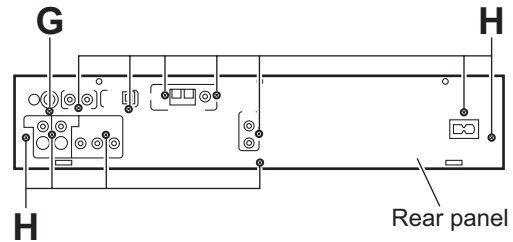


Fig.8

### 3.1.5 Removing the audio & digital input board (See Figs. 9 and 10)

- Prior to performing the following procedures, remove the metal cover.

- (1) From the top side of the main body, disconnect the card wires from the connectors (CN411, CN412) on the main board. (See Fig. 9.)
- (2) Remove the screw J attaching the earth wires to the main board. (See Fig. 9.)

**Reference:**

When attaching the screw J, attach the earth wires with it. (See Fig. 9.)

- (3) From the back side of the main body, remove the screw K and two screws M attaching the audio & digital input board to the rear panel. (See Fig. 10.)
- (4) Move the audio & digital input board in the direction of the arrow, and release the claw e of bracket board. (See Fig. 9.)
- (5) Take out the audio & digital input board from the main body.

### 3.1.6 Removing the tuner (See Figs. 9 and 10)

- Prior to performing the following procedures, remove the metal cover.

- (1) From the top side of the main body, disconnect the card wire from the connector CN1 on the tuner. (See Fig. 9.)
- (2) From the back side of the main body, remove the two screws N attaching the tuner to the rear panel. (See Fig. 10.)
- (3) Take out the tuner from the main body.

### 3.1.7 Removing the power supply board (See Figs. 9 and 10)

- Prior to performing the following procedures, remove the metal cover.

- (1) From the top side of the main body, disconnect the parallel wires from the connectors (CN404 to CN407) on the main board. (See Fig. 9.)
- (2) Remove the three screws P attaching the power supply board. (See Fig. 9.)
- (3) From the back side of the main body, remove the screw Q attaching the power supply board to the rear panel. (See Fig. 10.)
- (4) Take out the power supply board from the main body.

**Reference:**

Remove the rear panel as required. (See "3.1.4 Removing the rear panel")

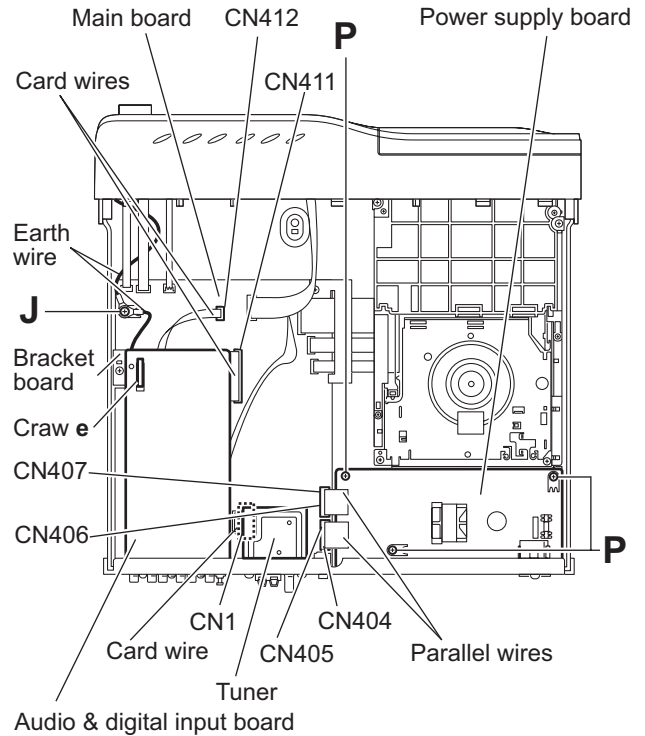


Fig.9

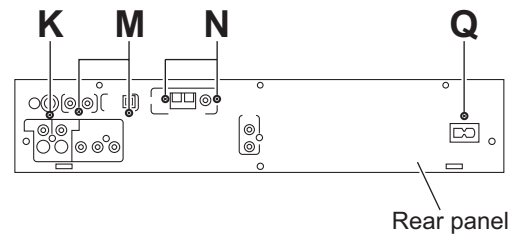


Fig.10

### 3.1.8 Removing the main board (See Fig. 11)

- Prior to performing the following procedures, remove the metal cover, rear panel, audio & digital input board and tuner.
  - (1) From the top side of the main body, remove the screw **R** attaching the bracket board and take the bracket board.
  - (2) Remove the screw **S** and screw **S'** attaching the main board on the bottom chassis.

**Reference:**

When attaching the screw **S'**, attach the wire protection board with it.

- (3) Take out the wire protection board, and disconnect the card wires from the connectors ([CN401](#) to [CN403](#)) on the main board.

**Reference:**

When attaching the wire protection board, attach the wire protection board after connecting the card wires to the connectors ([CN401](#) to [CN403](#)) on the main board.

- (4) Disconnect the card wires from the connectors ([CN450](#), [CN460](#)) on the main board.
- (5) Disconnect the parallel wires from the connectors ([CN404](#) to [CN407](#), [CN456](#) and [CN457](#)) on the main board.
- (6) Take out the main board from the main body.

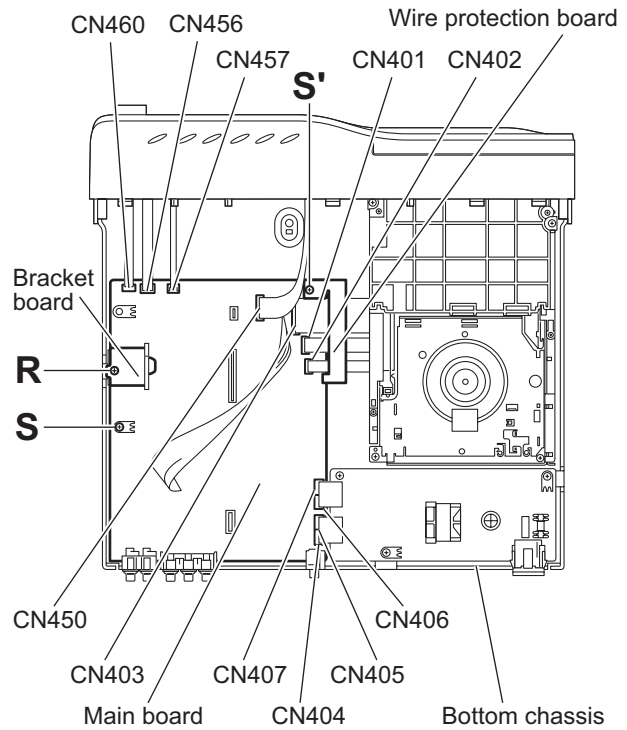


Fig.11

### 3.2 Front panel assembly section

- Prior to performing the following procedures, remove the front panel assembly from the main body. (See "Removing the front panel assembly")

#### 3.2.1 Removing the phone jack board (See Fig. 1)

- (1) From the inside of the front panel assembly, remove the screw **A** attaching the phone jack board.
- (2) Take out the phone jack board from the front panel assembly.

#### 3.2.2 Removing the bracket board (See Fig. 1)

- (1) From the inside of the front panel assembly, remove the two screws **B** attaching the bracket board.

**Reference:**

When attaching the connect board, align the projections of the bracket board to the slots **a** and **b** of the front panel assembly.

- (2) Take out the bracket board from the front panel assembly.

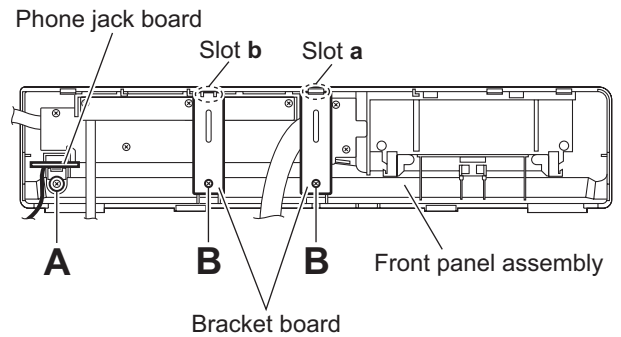


Fig.1

#### 3.2.3 Removing the operation board (See Fig. 2)

- Prior to performing the following procedures, remove the bracket board.

- (1) From the inside of the front panel assembly, remove the three screws **C** attaching the operation board.

**Reference:**

When attaching the operation board, align the projections **c** of the front panel assembly to the holes of the operation board.

- (2) Take out the operation board.

#### 3.2.4 Removing the power key board (See Fig. 2)

- Prior to performing the following procedures, remove the bracket board.

- (1) From the inside of the front panel assembly, remove the two screws **D** attaching the power key board.
- (2) Take out the power key board and remove the solder from the soldered section **d** to remove the parallel wire.

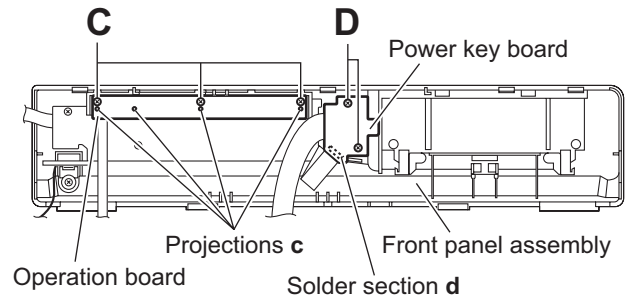


Fig.2

### 3.2.5 Removing the front board (See Figs. 3 and 4)

- Prior to performing the following procedures, remove the phone jack board, bracket board and operation board.
  - (1) From the front side of the front panel assembly, pull out the volume knob in the direction of the arrow. (See Fig. 3.)
  - (2) From the inside of the front panel assembly, remove the five screws **E** attaching the front board. (See Fig. 4.)
  - (3) Take out the front board and remove the solder from the soldered section **e** to remove the parallel wire. (See Fig. 4.)

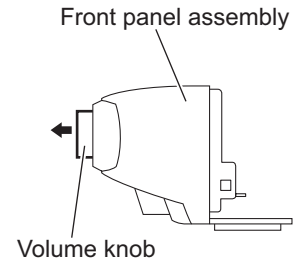


Fig.3

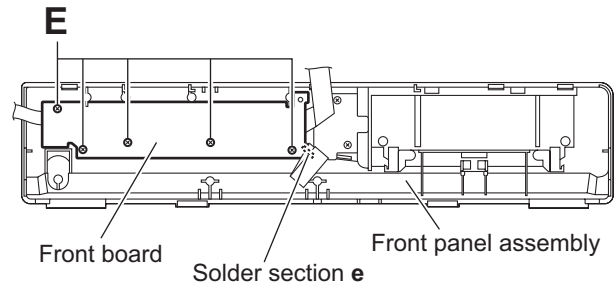


Fig.4

### 3.3 DVD changer mechanism assembly section

Remove the DVD changer mechanism assembly from the main body. (See "Removing the DVD changer mechanism assembly".)

#### 3.3.1 Removing the tray assemblies

(See Figs.1 to 5)

- (1) From the top side of the main body, remove the two screws **A** from the top cover and release the two joints **a** on the both sides of the DVD changer mechanism assembly. (See Figs.1 and 2.)
- (2) Remove the two rods from the top cover and remove the top cover from the lifter assembly. (See Figs.1 and 2.)
- (3) Remove the open det. lever on the left side of the DVD changer mechanism assembly. (See Fig.3.)
- (4) From the right side of the DVD changer mechanism assembly, draw out the tray assemblies toward the front while pushing the part **b** of the side (R) assembly. (See Figs.4 and 5.)

**Note:**

The tray can be locked if all tray assemblies are attached.

- (5) From the topside of the DVD changer mechanism assembly, move the stopper tabs **c** in the direction of the arrow and release them. Pull out the tray assemblies from the DVD changer mechanism assembly. (See Fig. 5.)

**Note:**

Remove the tray assembly from top tray 5 in order.

**Reference:**

When reattaching the tray assembly, or when removing the disc remaining inside, refer to another section "3.3.15 Taking out the disc in the play mode".

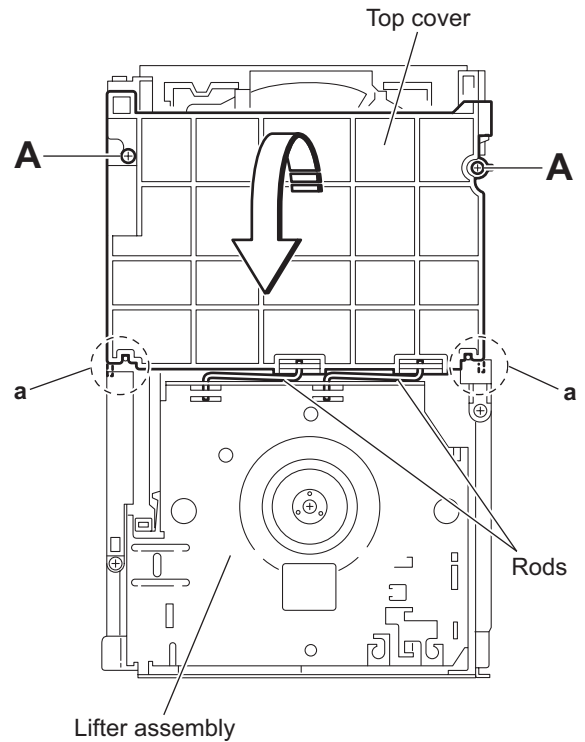


Fig.1

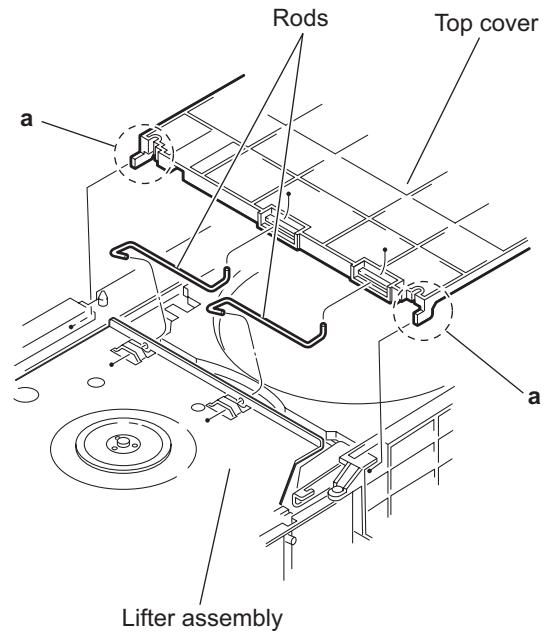


Fig.2

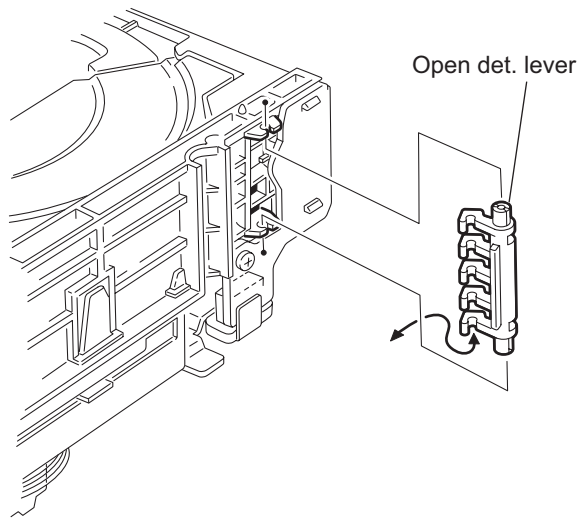


Fig.3

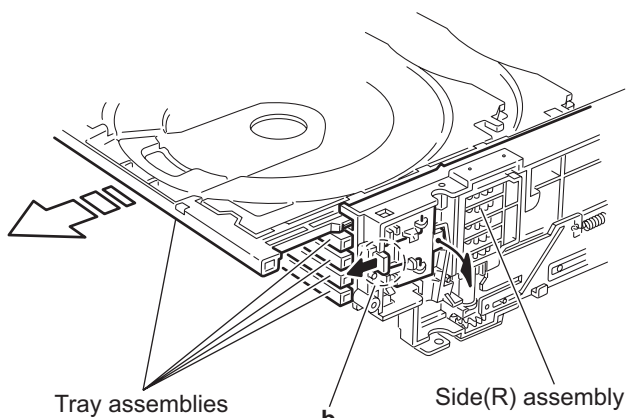


Fig.4

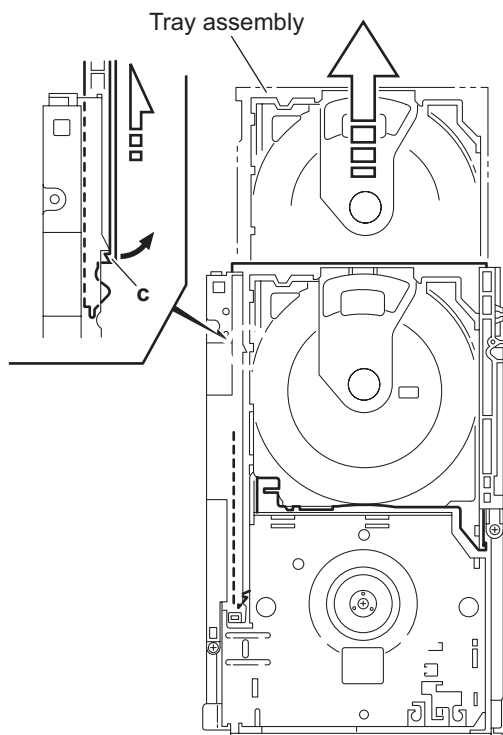


Fig.5



### 3.3.2 Removing the DVD servo board (See Figs.6 to 8)

**Caution:**

Solder the short land sections **d** on the DVD pickup before disconnecting the card wire extending from the DVD pickup. If you do not follow this instruction, the DVD pickup may be damaged.

- (1) From the topside of the DVD changer mechanism assembly, solder the short land sections **d** on the DVD pick up. (See Fig.6.)
- (2) From the bottom side of the DVD changer mechanism assembly, disconnect the card wire from the connectors (CN201, CN451) on the DVD servo board. (See Fig.7.)

**Reference:**

When connecting the card wire to the connector CN451, pass it through the sections **e** on the DVD traverse mechanism assembly. (See Fig.7.)

- (3) Disconnect the wires from the connectors (CN452, CN453) on the DVD servo board. (See Fig.7.)
- (4) Remove the two screws **B** attaching the DVD servo board. (See Fig.7.)
- (5) From the reverse side of the DVD servo board, release the lock of the connector CN101 in the direction of the arrow and disconnect the card wire. (See Fig.8.)

**Caution:**

Unsolder the solders from the short land sections **d** after reassembling. (See Fig.6.)

### 3.3.3 Removing the switch board (See Fig.7)

- (1) From the bottom side of the DVD changer mechanism assembly, remove the screw **C** attaching the switch board on the DVD changer mechanism assembly.
- (2) Disconnect the wires from the connectors (CN452, CN453) on the DVD servo board.
- (3) Release the wires from the section **f** and remove the switch board.
- (4) Release the wires from the sections **g** and remove the switch board.

**Reference:**

When reassembling, pass the wires through the sections (f, g) as before.

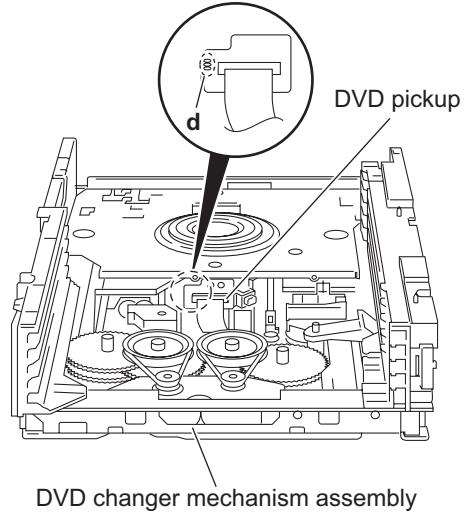


Fig.6

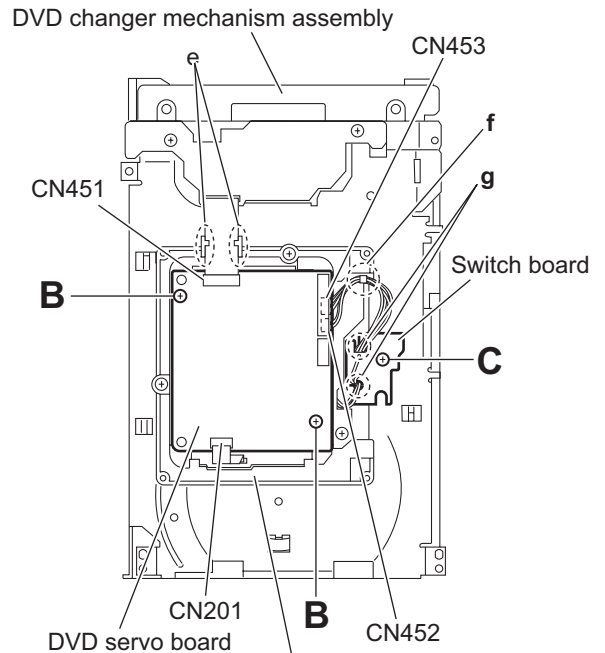


Fig.7

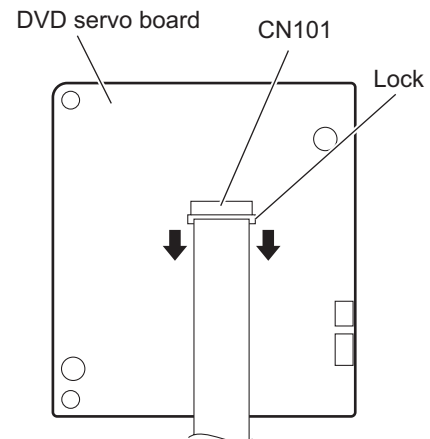


Fig.8

### 3.3.4 Removing the motor board (See Figs.9 and 10)

- (1) From the top side of the DVD changer mechanism assembly, remove the two belts from the motor pulleys. (See Fig.9.)

**Note:**

Take care not to attach grease on the belt.

- (2) Remove the two screws **D** attaching the motors to the loader assembly. (See Fig.9.)
- (3) From the bottom side of the DVD changer mechanism assembly, remove the two screws **E**. (See Fig.10.)
- (4) Disconnect the connector **CN2** on the motor board from the tray switch board and remove the motor board. (See Fig.10.)
- (5) Disconnect the card wire from the connector **CN1** on the forward side of the motor board. (See Fig.10.)

**Note:**

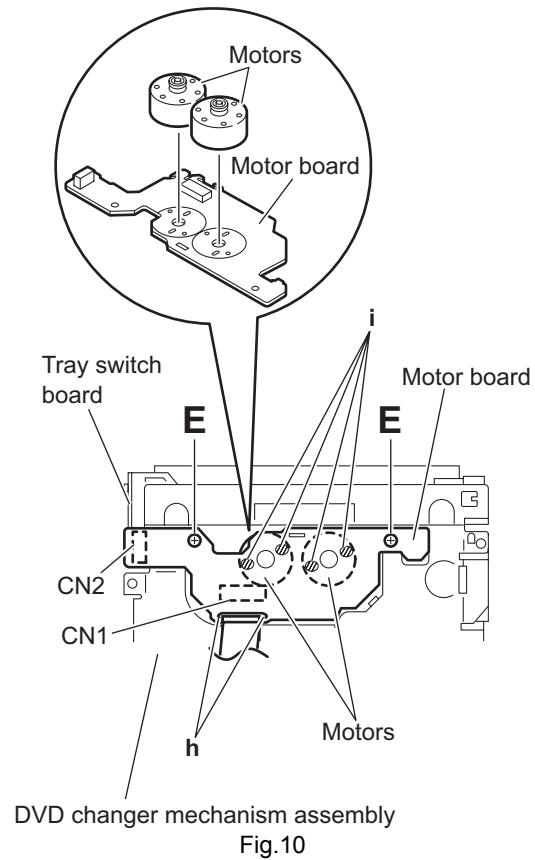
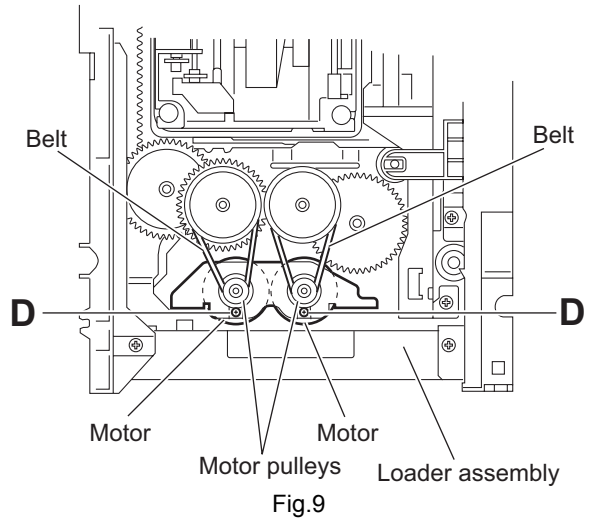
When connecting the card wire, let the card wire through the slots **h** of the motor board. (See Fig.10.)

**Reference:**

You need not to remove the tray assemblies, and in such case, move it.

### 3.3.5 Removing the motor (See Fig. 10)

- Remove the motor board.
  - (1) From the reverse side of the motor board, unsolder the four soldered sections **i** on the motor board.
  - (2) From the forward side of the motor board, remove the motors.



### 3.3.6 Removing the DVD traverse mechanism assembly (See Fig.11)

- Remove the tray assemblies and DVD servo board.
  - (1) From the bottom side of the DVD changer mechanism assembly, remove the three screws **F** attaching the DVD traverse mechanism assembly.
  - (2) Remove the wires from the section **j**.
  - (3) Take out the DVD traverse mechanism assembly from the DVD changer mechanism assembly.

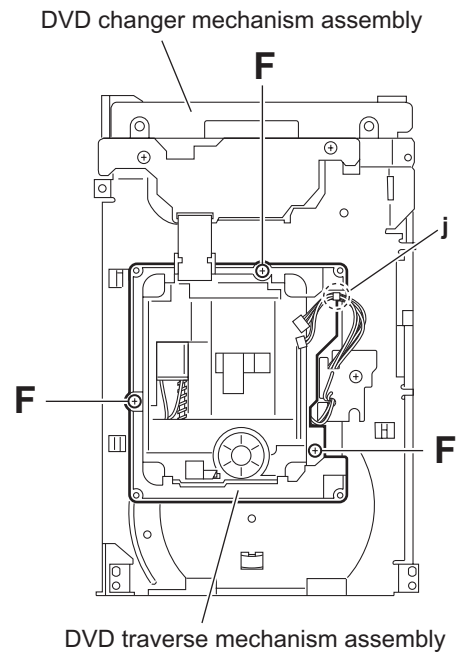


Fig.11

### 3.3.7 Removing the DVD pickup (See Figs.12 to 14)

- Remove the tray assemblies, DVD servo board and DVD traverse mechanism assembly.
  - (1) From the top side of the DVD traverse mechanism assembly, release the lock of the connector on the DVD pickup and disconnect the card wire in the direction of the arrow. (See Fig.12.)
  - (2) Turn the screw shaft gear in the direction of the arrow 1 to move the DVD pickup in the direction of the arrow 2. (See Fig.12.)
  - (3) Remove the screw **G** attaching the feed bracket and remove the feed bracket from the sections **k**. (See Fig.12.)
  - (4) Release the claw **m** of the thrust spring in the direction of the arrow and remove the thrust spring. (See Fig.12.)
  - (5) Remove the guide shaft from the sections (**n**, **p**) on the C.TM chassis. (See Fig.13.)
  - (6) Remove the section **q** of the DVD pickup. (See Fig.13.)
  - (7) Remove the two screws **H** attaching the rack arm spring and rack arm. (See Fig.14.)
  - (8) Pull the guide shaft from the DVD pickup in the direction of the arrow. (See Fig.14.)

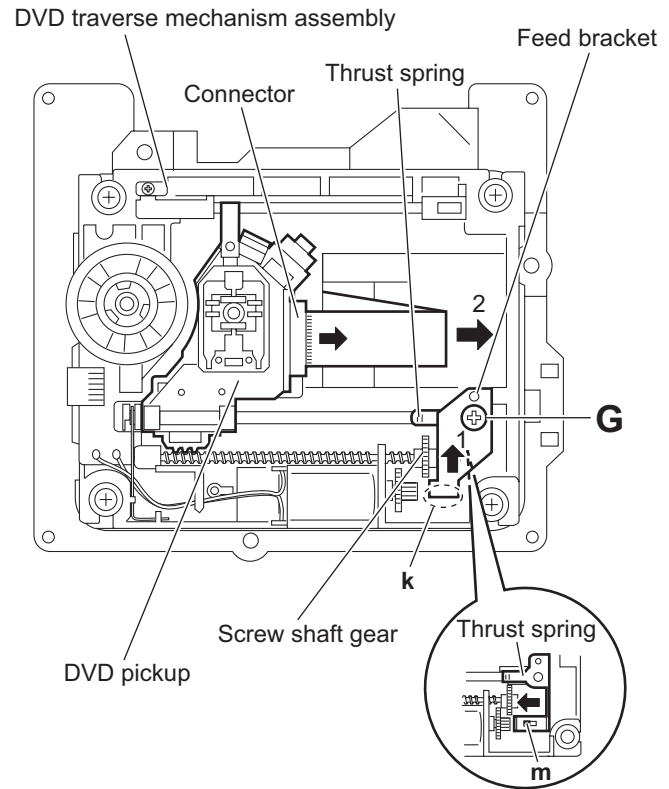


Fig.12

### 3.3.8 Attaching the DVD pickup (See Figs.12 to 14)

- (1) Attach the guide shaft to the DVD pickup and attach the rack arm spring and rack arm with the screws **H**. (See Fig.14.)
- (2) Attach the section **q** of the DVD pickup to the C.TM chassis first and attach the guide shaft to the sections (**n**, **p**). (See Fig.13.)

#### Reference:

When attaching the guide shaft to the section **p**, attach it under the rod spring. (See Fig.13.)

- (3) Attach the thrust spring and feed bracket with the screw **G**. (See Fig.12.)
- (4) Turn the screw shaft gear in the direction of the arrow 1 to move the DVD pickup in the direction of the arrow 2. (See Fig.15.)
- (5) Connect the card wire to the connector on the DVD pickup. (See Fig.15.)

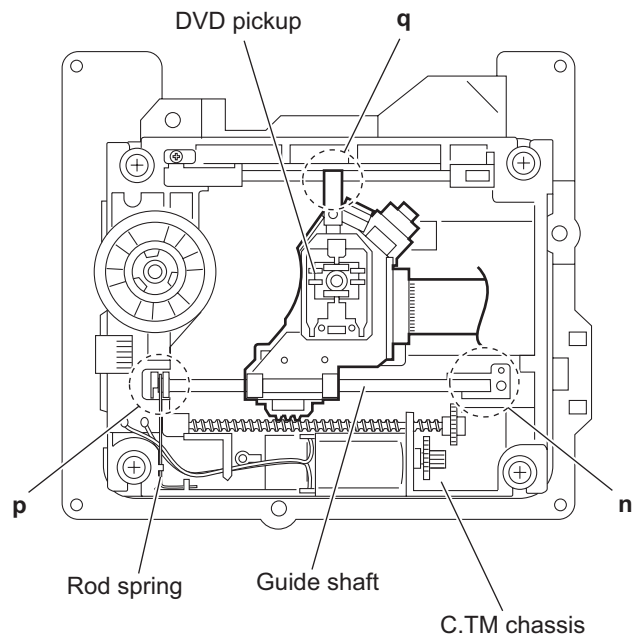


Fig.13

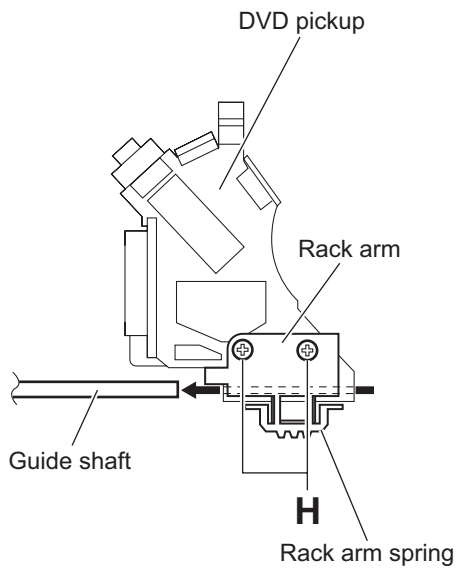


Fig.14

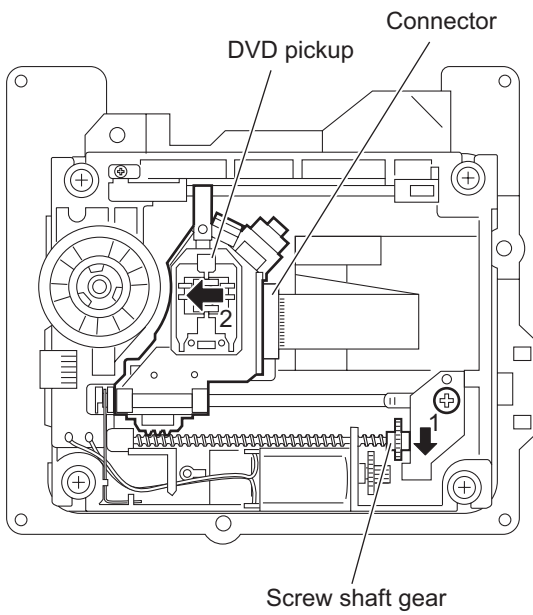


Fig.15

### 3.3.9 Removing the spindle motor board (See Figs.16 and 17)

- Remove the tray assemblies, DVD servo board and DVD traverse mechanism assembly.
  - From the top side of the DVD traverse mechanism assembly, remove the wires from the soldered sections **r** on the spindle motor board. (See Fig.16.)
  - From the bottom side of the DVD traverse mechanism assembly, remove the three screws **J** attaching the spindle motor board. (See Fig.17.)

#### Reference:

When attaching the spindle motor board, let the card wire through the hole **s** on the C.TM chassis. (See Fig.17.)

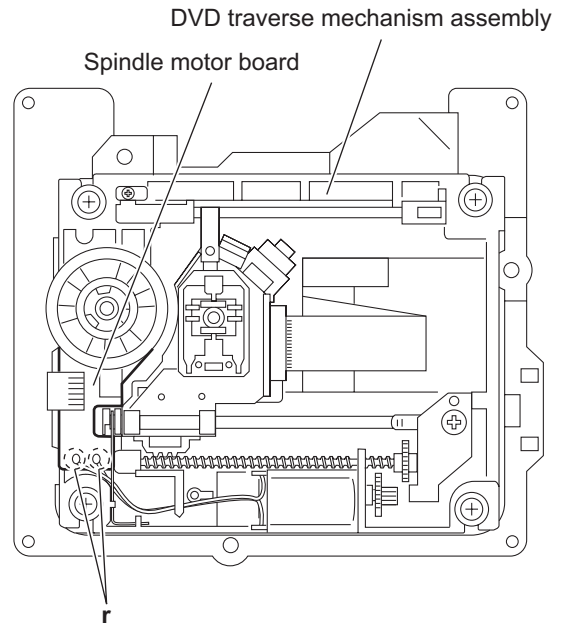


Fig.16

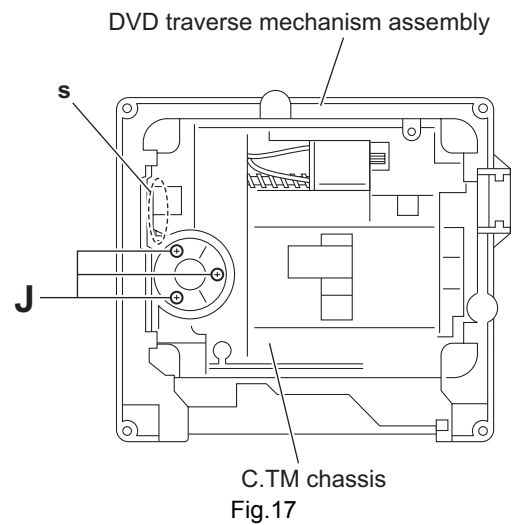


Fig.17

### 3.3.10 Removing the feed motor (See Figs.18 and 19)

- Remove the tray assemblies and DVD traverse mechanism assembly.
  - (1) From the top side of the DVD traverse mechanism assembly, remove the screw **K** attaching the feed bracket and remove the feed bracket from the sections **t**. (See Fig.18.)
  - (2) Release the claw **u** of the thrust spring in the direction of the arrow and remove the thrust spring. (See Fig.18.)
  - (3) Remove the screw shaft from the section **v** and remove it in the direction of the arrow. (See Fig.19.)
  - (4) Remove the middle gear. (See Fig.19.)
  - (5) Remove the screw **L** attaching the feed motor to the C.TM chassis. (See Fig.19.)
  - (6) Remove the wires from the soldered sections **w** on the spindle motor board. (See Fig.19.)
  - (7) Take out the feed motor from the motor base.

#### Reference:

After attaching the feed motor, pass the wires through the sections **x** on the C.TM chassis as before. (See Fig.19.)

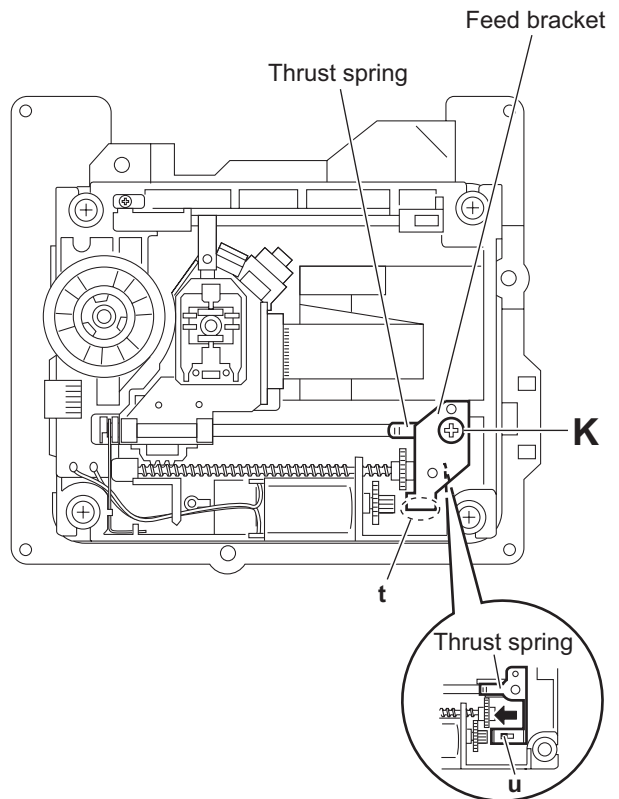


Fig.18

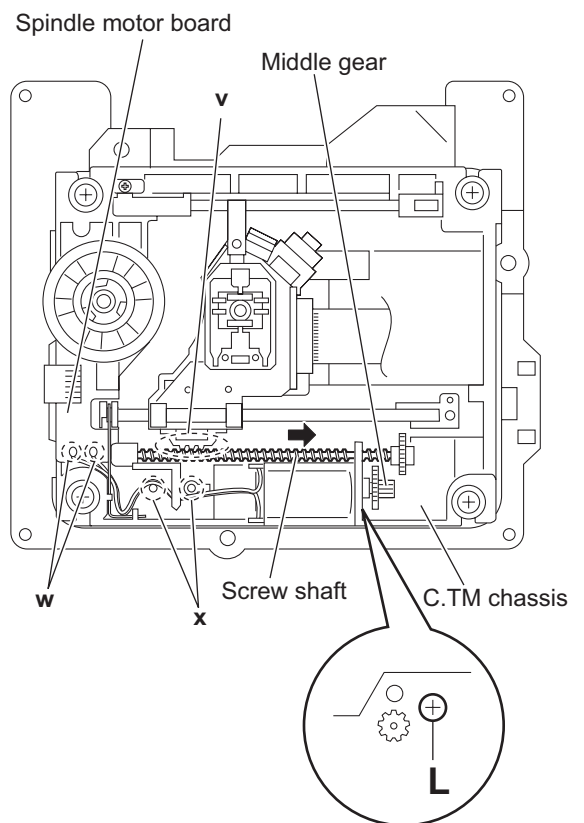
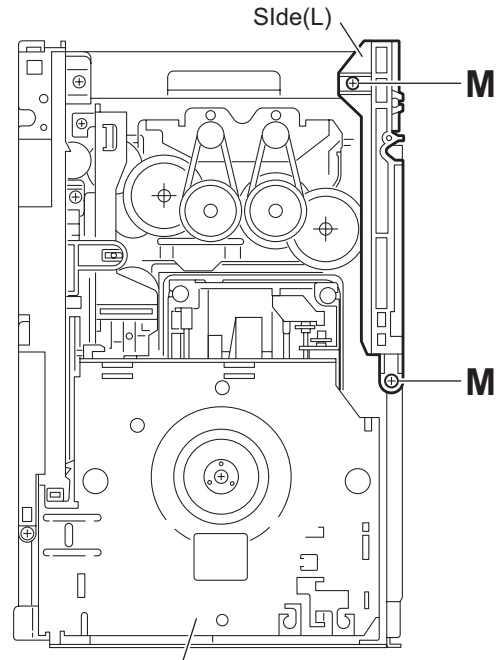


Fig.19

### 3.3.11 Removing the side (L) and tray switch board (See Figs.20 to 22)

- Remove the tray assemblies.

- (1) From the topside of the DVD changer mechanism assembly, remove the two screws **M** attaching the side (L). (See Fig.20.)
- (2) From the left side of the DVD changer mechanism assembly, disconnect the connector **CN3** on the tray switch board from the motor board and detach the side (L) in an upward direction. (See Fig.21.)
- (3) Remove the screw **N** attaching the tray switch board to the side (L). (See Fig.22.)
- (4) Release the joint tab **y** of the side (L) in the direction of the arrow 1 and release the joint tab **z** while removing the tray switch board in the direction of the arrow 2. (See Fig.22.)



DVD changer mechanism assembly  
Fig.20

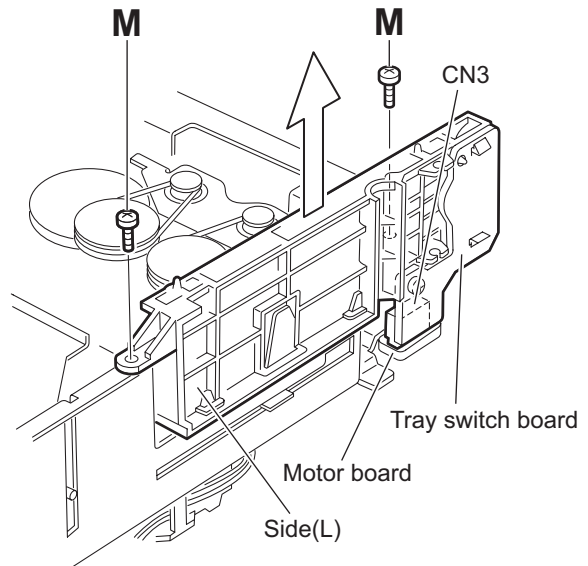


Fig.21

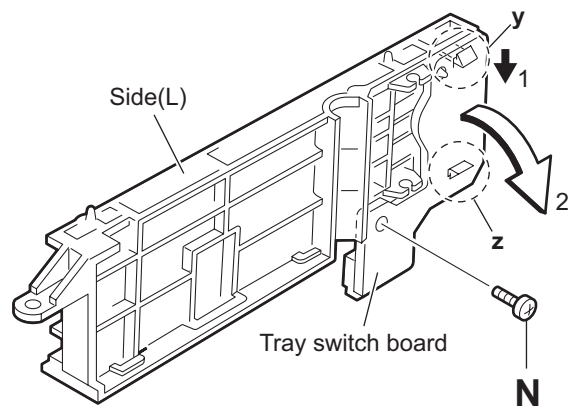


Fig.22



### 3.3.12 Removing the side (R) assembly (See Fig.23 to 27)

- Remove the tray assemblies and DVD servo board.
  - From the inside of the side (R) assembly, release the two tabs **aa** of the gear cover and remove the gear cover outward. (See Figs.23 and 24.)
  - From the right side of the DVD changer mechanism assembly, remove the elevator spring attached to the hook **ab** of the loader assembly. (See Figs.24 and 25.)
  - From the top side of the DVD changer mechanism assembly, turn the gear 1 clockwise to move the elevator cam rearward. (See Fig.25.)
  - Move the two slots **ac** and joint **ad** of the elevator cam and remove the elevator cam outward. (See Fig.25.)
  - Remove the three screws **P** and detaches the side (R) assembly upward. (See Figs.26 and 27.)

**Note:**

When reattaching the side (R) assembly, make sure to fit the shaft (part **ae**) into the slot of the select lever. (See Fig.26.)

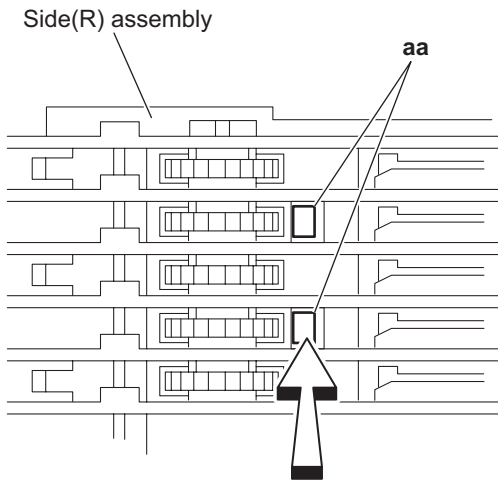
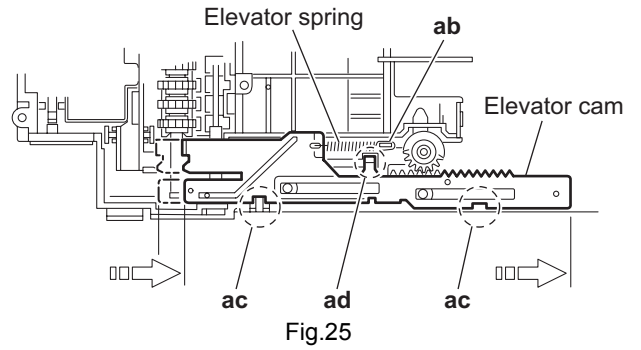


Fig.23

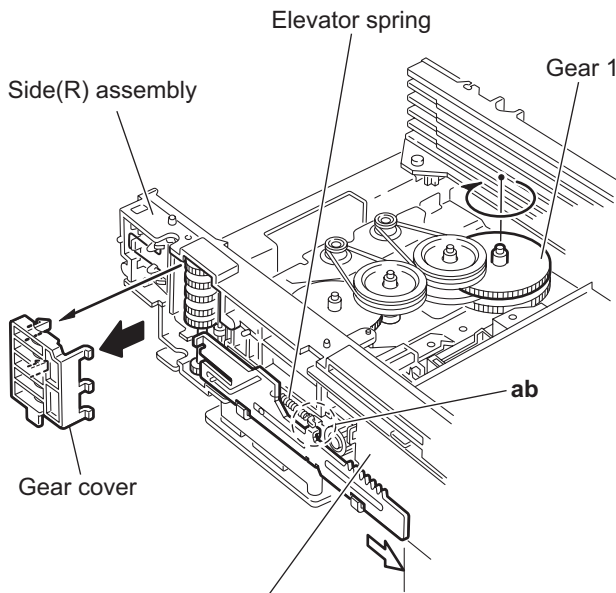


Fig.24

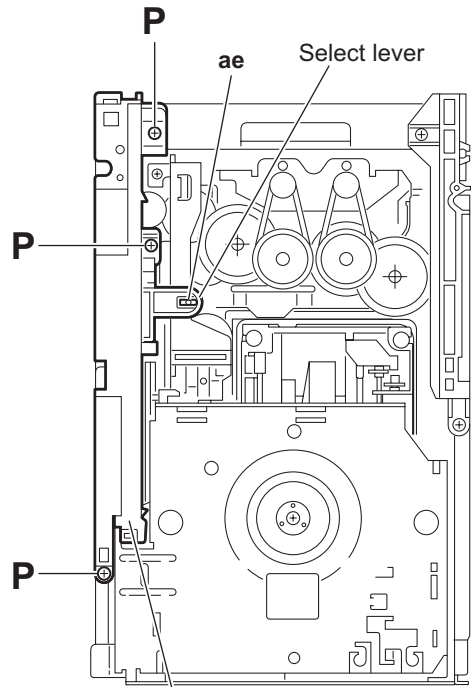


Fig.26

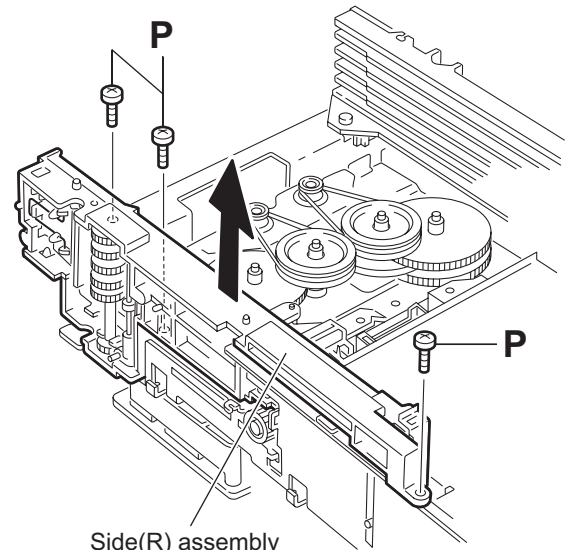


Fig.27

### 3.3.13 Removing the lifter assembly (See Figs.28 to 32)

- Remove the tray assemblies, DVD servo board, side (L) and side (R) assembly.
  - (1) From the top side of the DVD changer mechanism assembly, turn the gear 1 clockwise to move the lifter assembly upward. (See Figs.28 and 29.)
  - (2) Turn the gear 2 clockwise to move the hook toward the front until it stops. (See Figs.28 and 29.)
  - (3) Move the hook stopper in the direction of the arrow 2 while pushing the tab **af** of the hook stopper to unlock it in the direction of the arrow 1 and release four joints **ag** to detach from the rack holder. (See Fig.30.)
  - (4) Release the rod (L) from part **ah**. (See Fig.30.)
  - (5) Turn the gear 1 clockwise again to move the lifter assembly upward. (See Fig.31.)
  - (6) Remove the lifter assembly from the DVD changer mechanism assembly upward at the positions **ai** where the four pins on the both sides of the lifter assembly fit to the notches of the loader assembly. (See Fig.31.)
  - (7) Move the lifter assembly in the direction of the arrow and release it from the hook. (See Fig.32.)

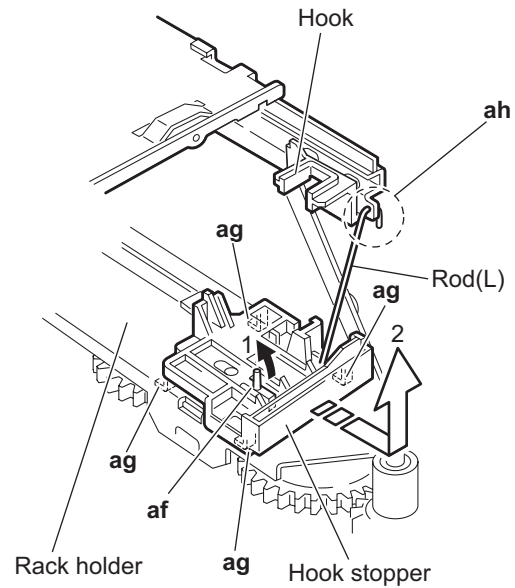
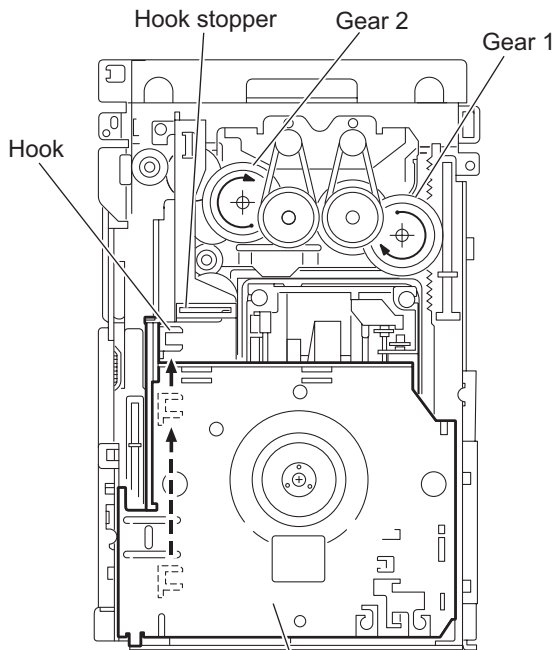
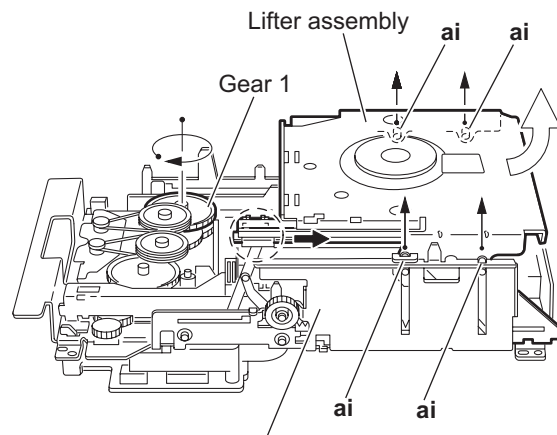


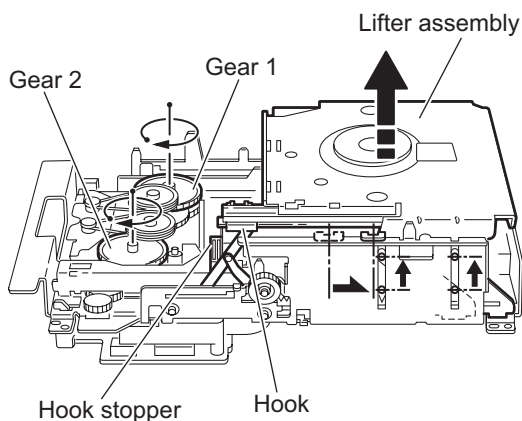
Fig.30



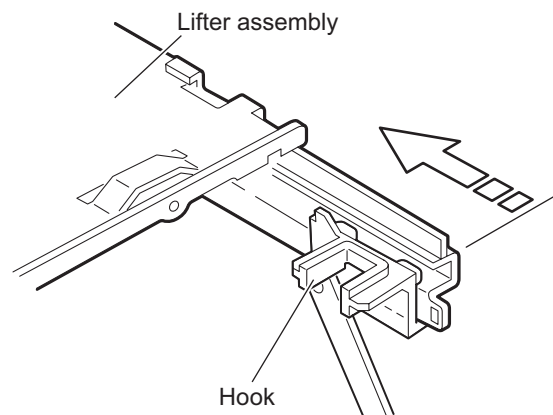
Lifter assembly  
Fig.28



Lifter assembly  
Loader assembly  
Fig.31



Lifter assembly  
Hook stopper  
Hook  
Fig.29



Lifter assembly  
Hook  
Fig.32

### 3.3.14 Removing the sensor board and SV resistor (See Fig.33)

- Remove the tray assemblies, side (L), side (R) assembly and lifter assembly.
  - Remove the solders from the soldered sections **aj** on the sensor board and remove the wires.
  - Remove the two screws **Q** and take out the sensor board with the SV resistor.

#### Reference:

- Remove the soldered section **ap** on the sensor board as required.
- When reassembling, pass the wires through the slot **ak** of the sensor board as before.

#### Note:

When reattaching the SV. resistor, fit the projection **am** on the bottom of the SV. resistor into slot **an** of the sensor slider.

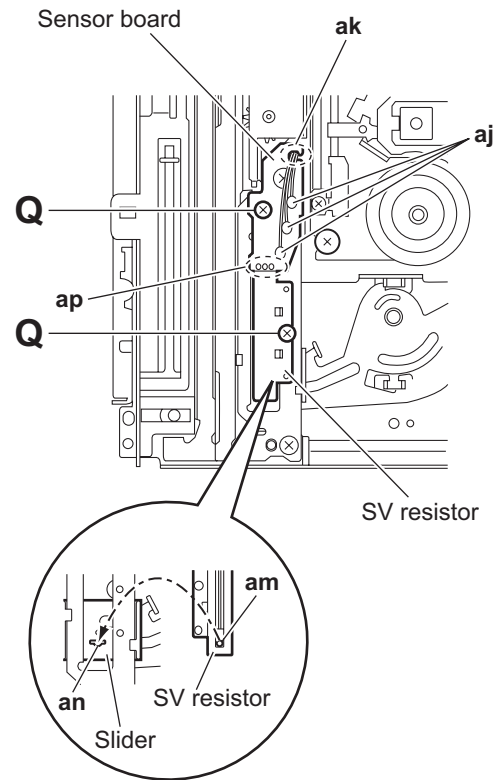


Fig.33

### 3.3.15 Taking out the disc in the play mode (See Fig.34 to 37)

#### Reference:

Refer to "3.3.1 Removing the tray assemblies".

- (1) From the top side of the DVD changer mechanism assembly, remove the top cover.
- (2) Unlock the tray assemblies and draw out the tray assemblies toward the front.
- (3) From the top side of the DVD changer mechanism assembly, turn the gear 1 clockwise to move the lifter assembly upward. (See Fig.34.)
- (4) Turn the gear 2 clockwise to move the sub tray remaining inside the lifter assembly toward the front, then pull out.
- (5) Take out the disc on the sub tray. (See Fig.35.)
- (6) After clearing away the disc, insert the sub tray into the main tray. (See Fig.36.)

#### Note:

When reattaching the sub tray, move the tray stopper on the bottom of the main tray in the direction of the arrow to lock the sub tray certainly. (See Figs.36 and 37.)

- (7) Push the tray assembly toward the DVD changer mechanism assembly and reattach.

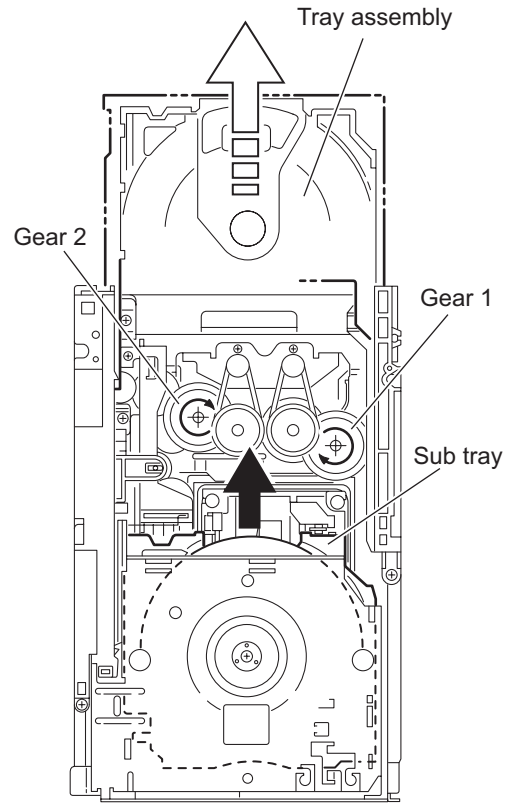


Fig.34

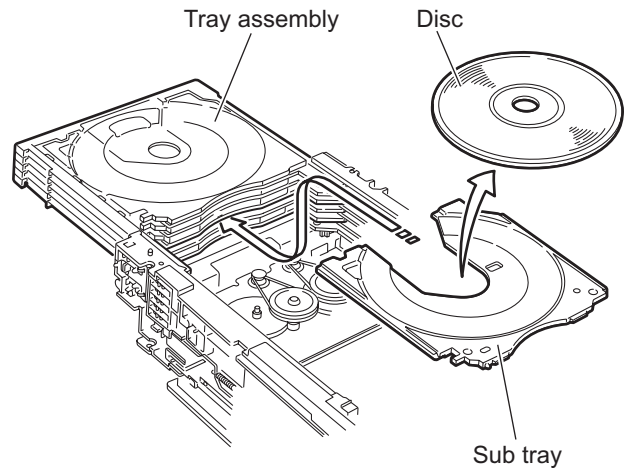


Fig.35

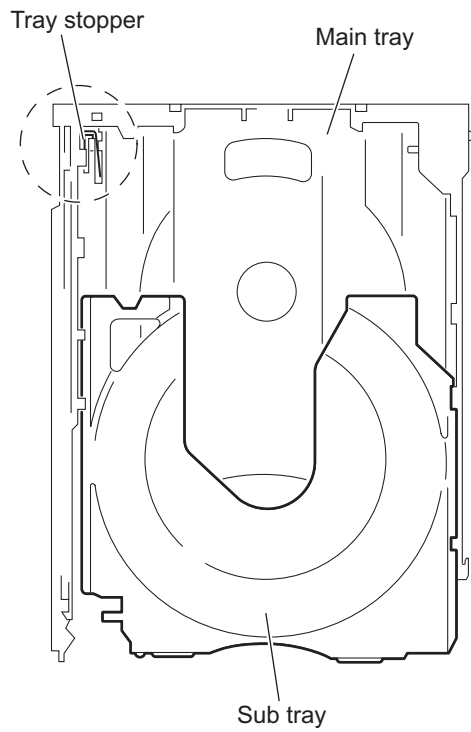


Fig.36

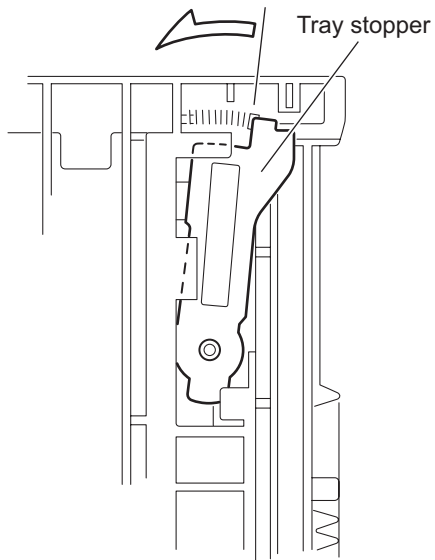


Fig.37

### 3.4 Speaker section

#### 3.4.1 Removing the amplifier assembly

(See Figs.1 to 3)

- (1) From the back side of the speaker main body, remove three screws **A** attaching the amplifier assembly. (See Fig.1.)
- (2) From the bottom side of the speaker main body, remove the eight screws **B** attaching amplifier assembly. (See Fig.2.)
- (3) From the top side of the speaker main body, move the amplifier assembly backward and disconnect the wire from the connector [CN352](#) on the relay board. (See Fig.3)
- (4) Take out the amplifier assembly.

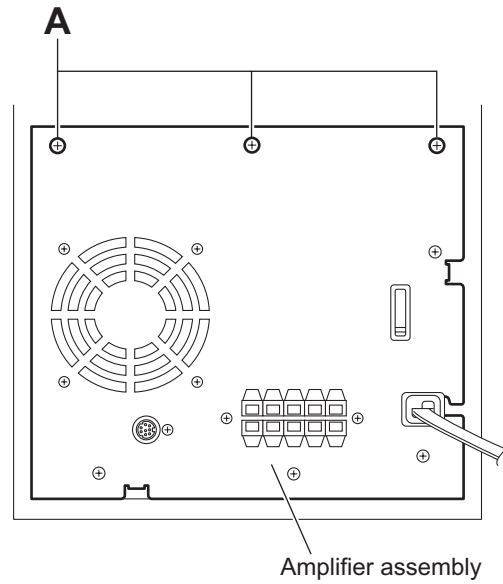


Fig.1

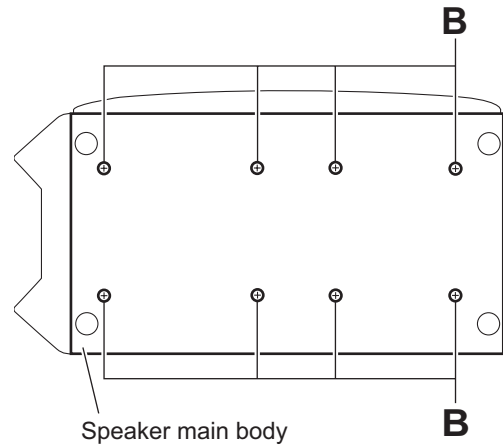


Fig.2

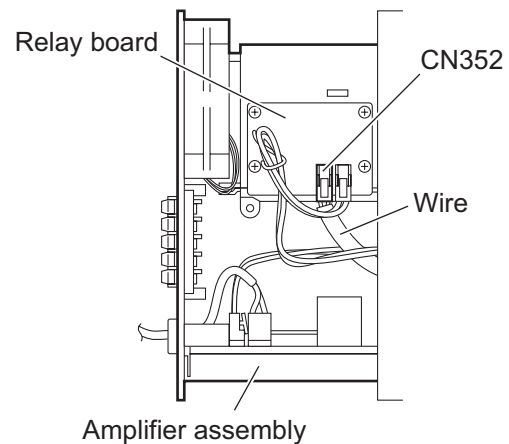


Fig.3

### 3.4.2 Removing the rear panel (See Figs.4 and 5)

- Prior to performing the following procedure, remove the amplifier assembly.
  - (1) From the back side of the amplifier assembly, remove the six screws **C** and screw **D** attaching the rear panel. (See Fig.4.)
  - (2) Take out the rear panel with fan motor backward from the amplifier assembly.
  - (3) From the top side of the amplifier assembly, disconnect the fan wire from the connector **CN308** on the main board. (See Fig.5.)
  - (4) Take out the rear panel.

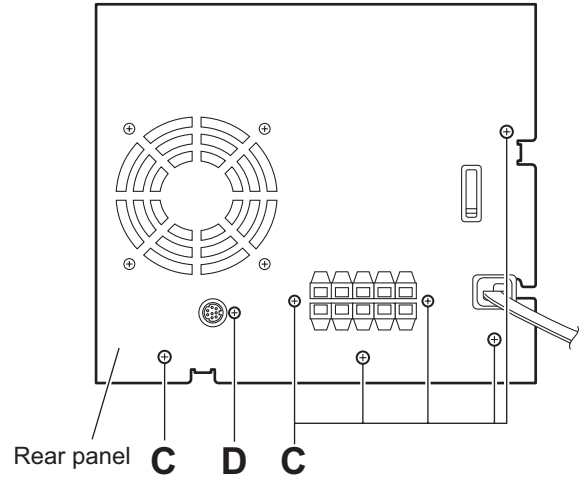


Fig.4

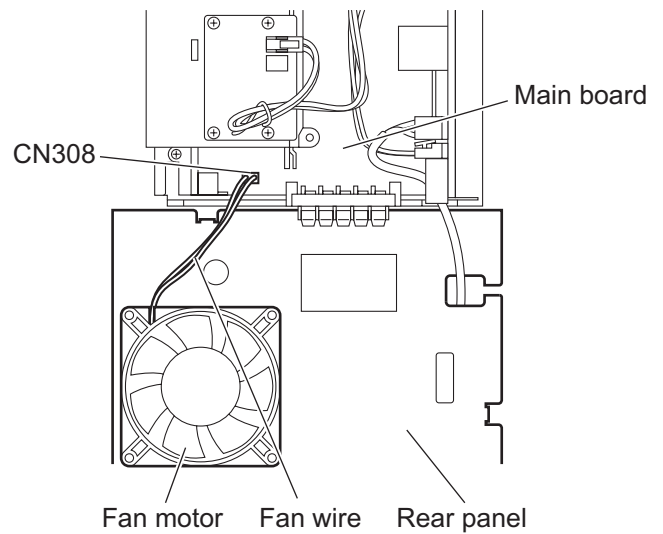


Fig.5

### 3.4.3 Removing the fan motor (See Fig.6)

- Prior to performing the following procedures, remove the amplifier assembly and rear panel.
  - (1) From the front side of the rear panel, remove the four screws **E** attaching the fan motor.
  - (2) Take out the fan motor.

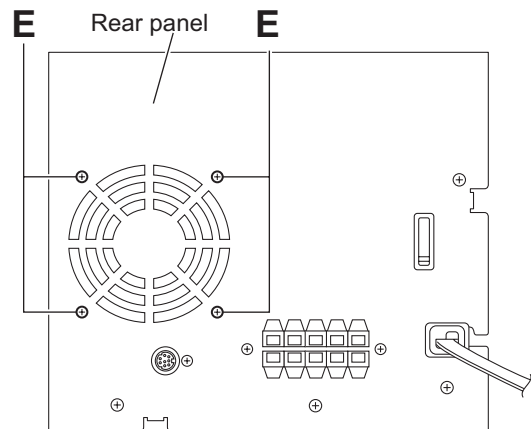


Fig.6

### 3.4.4 Removing the power board (See Figs.7 to 9)

- Prior to performing the following procedures, remove the amplifier assembly and rear panel.

- (1) From the top side of the amplifier assembly, disconnect the wires from the connectors (CN103, CN151) on the power board. (See Fig.7.)
- (2) Disconnect the power cord from the connector CN101 on the power board, and take out the power cord. (See Fig.7.)
- (3) Remove the five screws F, screw F' and two screws G attaching the power board. (See Figs.7 and 8.)

**Reference:**

When attaching the screw F', attach it with the earth wire.  
(See Fig.8.)

- (4) From the right side of the amplifier assembly, remove the two screws H attaching the power board. (See Fig.9.)
- (5) From top side of the amplifier assembly, disconnect the power board from the connectors (CN301, CN302 and CN304) on the main board, and take out the power board from the amplifier assembly. (See Fig.8.)

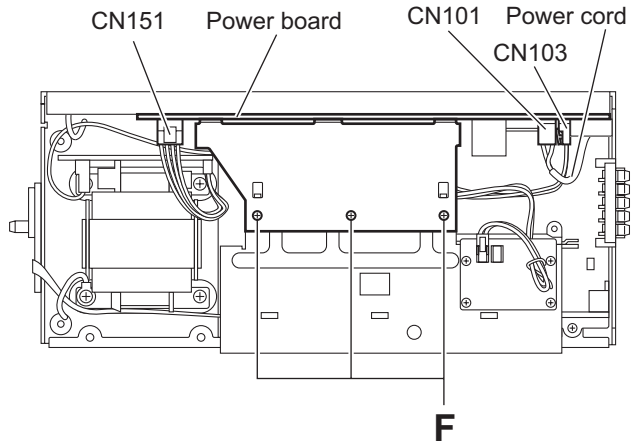


Fig.7

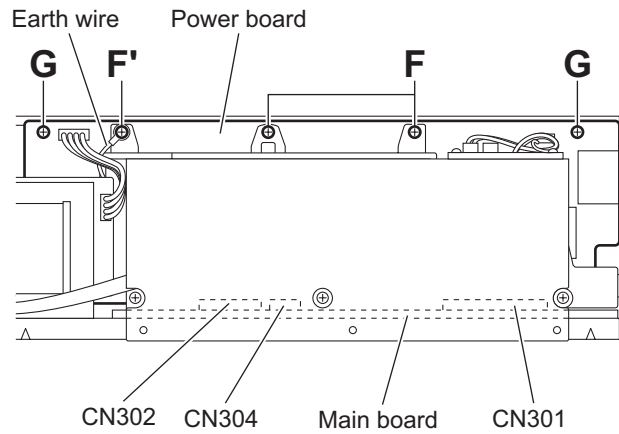


Fig.8

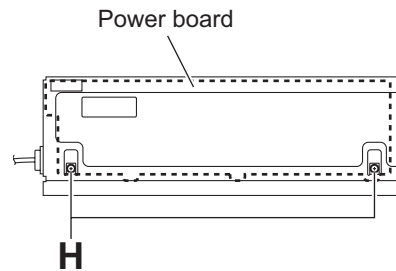


Fig.9



### 3.4.5 Removing the relay board (See Fig.10)

- Prior to performing the following procedure, remove the amplifier assembly.
  - (1) From the top side of the amplifier assembly, disconnect the parallel wire from the connector [CN352](#) on the relay board.
  - (2) Remove the four screws **J** attaching the relay board to the heat sink.
  - (3) Take out the relay board.

#### Reference:

After attaching the relay board, bundle the parallel wire by wire clamp.

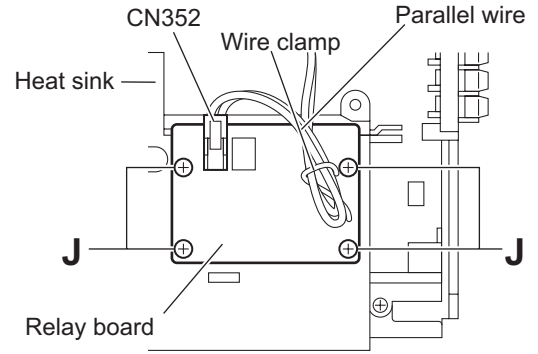


Fig.10

### 3.4.6 Removing the heat sink (See Figs.11 and 13)

- Prior to performing the following procedures, remove the amplifier assembly, rear panel, power board and relay board.
  - (1) From left side of the amplifier assembly, remove the three screws **K** attaching the IC bracket to the heat sink. (See Fig.11.)
  - (2) Remove the three screws **M** attaching the heat sink to the main board. (See Fig.12.)
  - (3) From left side of the amplifier assembly, remove the three screws **N** attaching the heat sink. (See Fig.13.)
  - (4) Take out the heat sink.

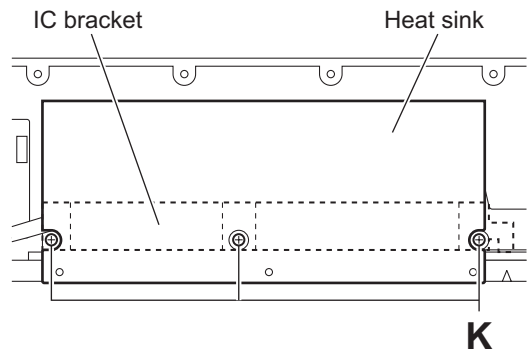


Fig.11

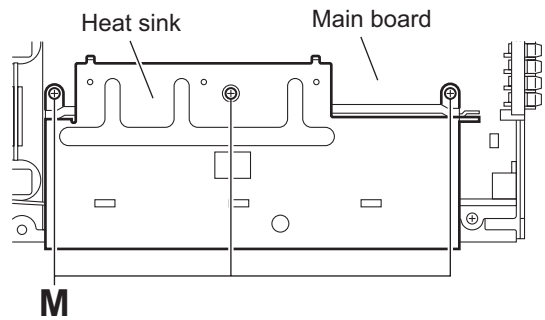


Fig.12

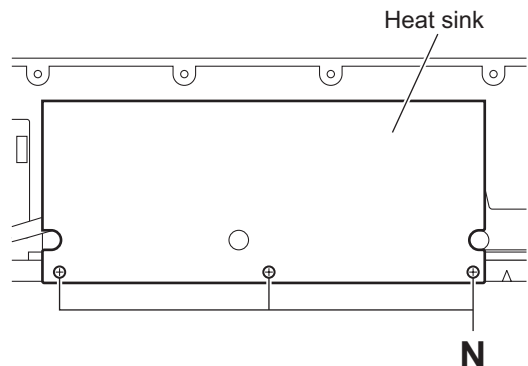


Fig.13

### 3.4.7 Removing the amplifier board (See Fig.14)

- Prior to performing the following procedures, remove the amplifier assembly, rear panel, power board, relay board and heat sink.

- (1) From the top side of the amplifier assembly, disconnect the amplifier board from the connectors (CN311, CN312) on the main board.
- (2) Take out the amplifier board.

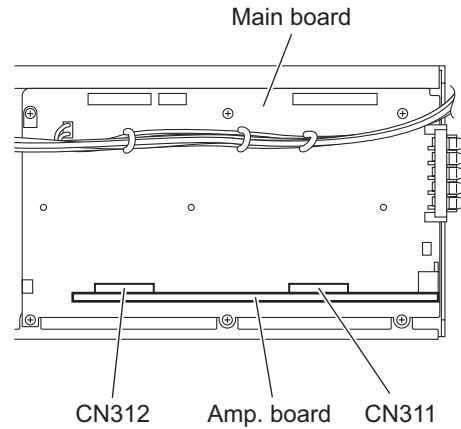


Fig.14

### 3.4.8 Removing the main board (See Fig.15)

- Prior to performing the following procedures, remove the amplifier assembly, rear panel, power board, relay board, heat sink and amplifier board.

- (1) From the top side of the amplifier assembly, remove the wires from the wire clamps on the main board.
- (2) Remove the six screws **P** attaching the main board to the amplifier assembly.
- (3) Take out the main board.

#### Reference:

After attaching the main board, bundle the wires by the wire clamps.

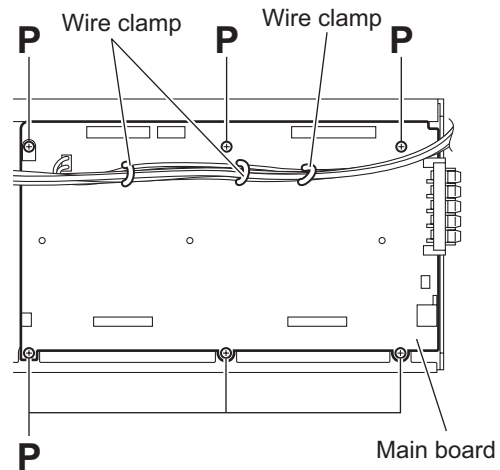


Fig.15

### 3.4.9 Removing the power transformer (See Fig.16)

- Prior to performing the following procedure, remove the amplifier assembly.
  - (1) From the top side of the amplifier assembly, disconnect the wire from the connector [CN102](#) on the trans board.
  - (2) Remove the parallel wire from the wire clamp.
  - (3) Remove the three screws **R** and screw **R'** attaching the power transformer, and take out the power transformer with the trans board.

#### Reference:

- When attaching the power transformer, attach the screw **R'** with wire clamp.
- After attaching the power transformer, bundle the wires by the wire clamps.

### 3.4.10 Removing the trans board (See Fig.17)

- Prior to performing the following procedures, remove the amplifier assembly and power transformer.
  - (1) From the reverse side of the trans board, remove the solder from the solder sections **a** on the trans board.
  - (2) Take out the trans board from the power transformer.

### 3.4.11 Removing the LED board (See Fig.16 and 18)

- Prior to performing the following procedure, remove the amplifier assembly.
  - (1) From the top side of the amplifier assembly, disconnect the wire from the connector [CN305](#) on the main board. (See Fig.16.)
  - (2) Remove the parallel wire from the wire clamp. (See Fig.16.)
  - (3) Remove the two screws **S** attaching the LED board, and take out the LED board. (See Fig.18.)

#### Reference:

- After attaching the LED board, bundle the parallel wire by the wire clamp. (See Fig.16.)

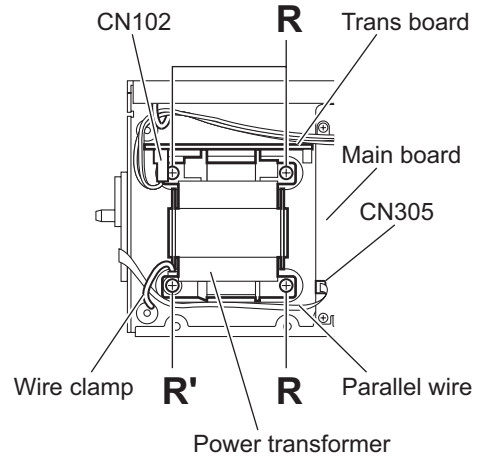


Fig.16

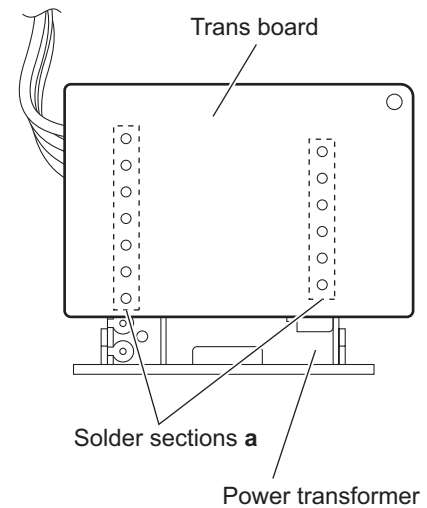


Fig.17

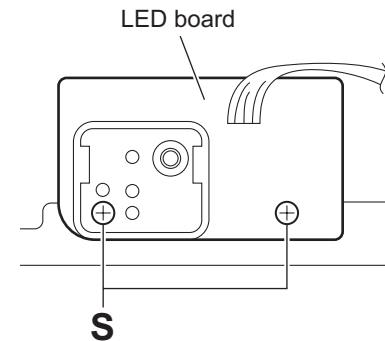


Fig.18

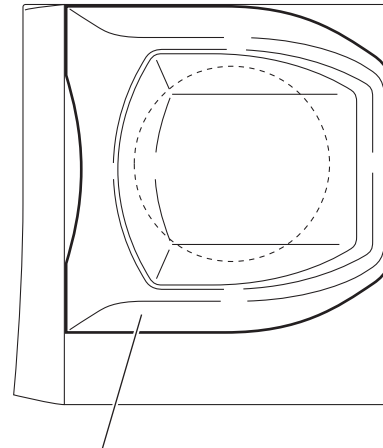
### 3.4.12 Removing the side panel assembly (See Figs.19 and 20)

- (1) From right side of the speaker main body, insert the tip of the flat-bladed screwdriver or similar tool into the space between the speaker main body and side panel assembly, and lift the side panel assembly little by little to remove. (See Figs.19 and 20.)

**Note:**

To prevent damaging the side panel assembly and speaker main body, insert cushioning plates etc. and below the tip of the flat-bladed screwdriver or similar tool.

- (2) Take out the side panel assembly from the speaker main body.



Side panel assembly

Fig.19

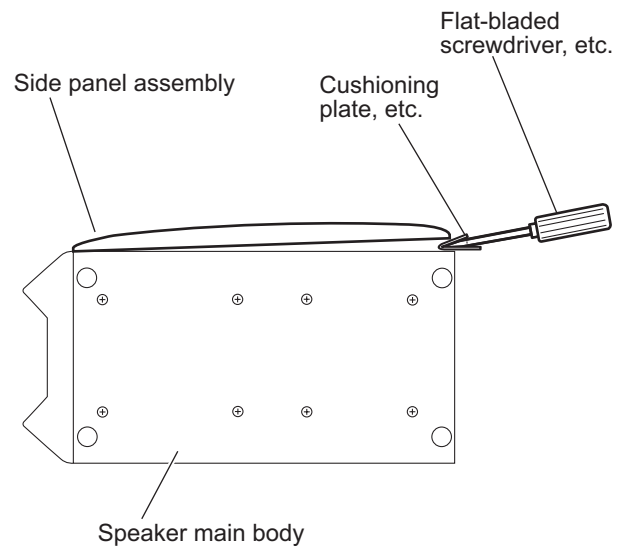


Fig.20

### 3.4.13 Removing the speaker (See Figs.21 and 22)

- Prior to performing the following procedure, remove the side panel assembly.
  - (1) From right side of the speaker main body, remove the eight screws **T** attaching the speaker. (See Fig.21.)
  - (2) Take out the speaker from the speaker main body.
  - (3) Disconnect the wires (black and red) from the terminal of the speaker. (See Fig.22.)

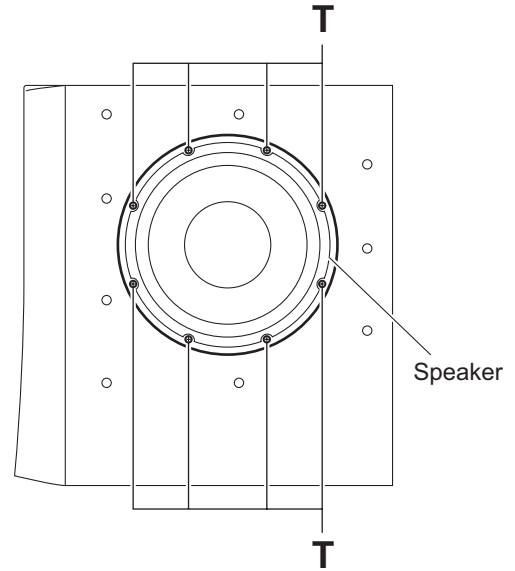


Fig.21

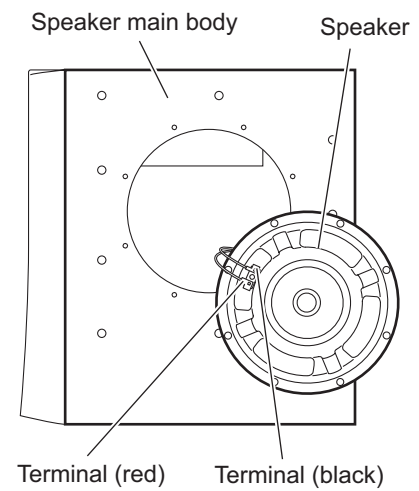


Fig.22

# SECTION 4 ADJUSTMENT

## 4.1 Special mode

### 4.1.1 Outline

The contents in the special mode of operation, and the definition of a key (remote controller or main unit)

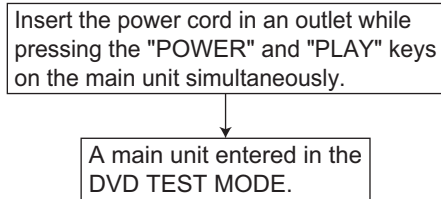
### 4.1.2 Special mode

#### 1.DVD TEST MODE

It goes into the TEST mode of DVD.

DVD TEST mode is canceled by except DVD source, and POWER OFF.

It is referring to the "4.2 DVD test mode" for details.

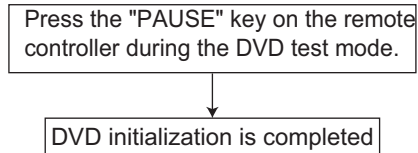


#### 2.DVD NORMAL INITIALIZE

Initialize DVD backend memory.

<RDS> segment of FL will light up if successful.

It is referring to the "4.2 DVD test mode" for details.

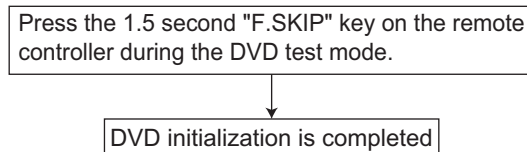


#### 3.DVD FULL INITIALIZE

Initialize DVD memory including frontend.

<RDS> segment of FL will light up if successful.

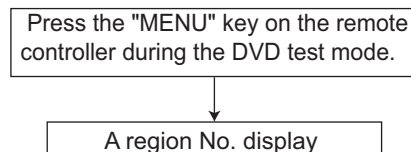
It is referring to the "4.2 DVD test mode" for details.



#### 4.DVD REGION CHECK

FL display in DVD TEST MODE.

It is referring to the "4.2 DVD test mode" for details.



## 5.FORCED NTSC MODE

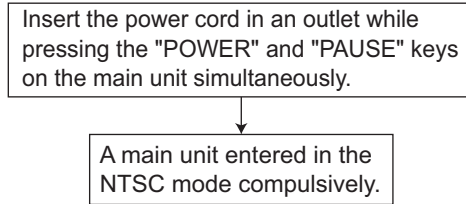
It is made compulsive NTSC mode.

From this, with regards to the input of NTSEL\_SW, there is nothing only at the time of 1st power on, and it performs NTSC starting.

(Command specification is performed to a module.)

A mode clearance is performed by power off.

VIDEO FORMAT change is prohibited during Forced NTSC mode.



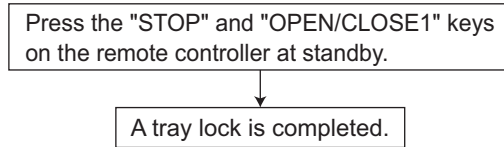
## 6.TRAY LOCK

A loader mechanism's tray lock is carried out. In the tray lock function ON state, EJECT processing is not performed to the EJECT key.

And , a LOCK display is performed at this time.

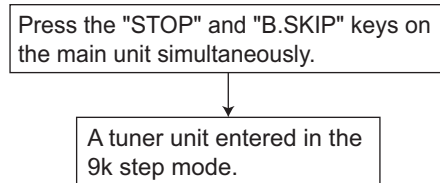
When it turns off a tray lock function, STOP and EJECT KEY are pushed simultaneously again.

Back up ON/OFF of a tray lock.



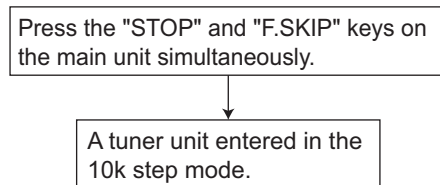
## 7.TUNER AM 9k STEP SW (only U version)

AM frequency is changed with 9k STEP.



## 8.TUNER AM 10k STEP SW (only U version)

AM frequency is changed with 10k STEP.



#### **4.1.3 Upgrading of firmware (DVD UPGRADE)**

The latest firmware for upgrading is updated in "Optical disc CSG" page in JS-net. At the time of service, compare the version of the product and the latest version, and upgrade the old version into the latest version.

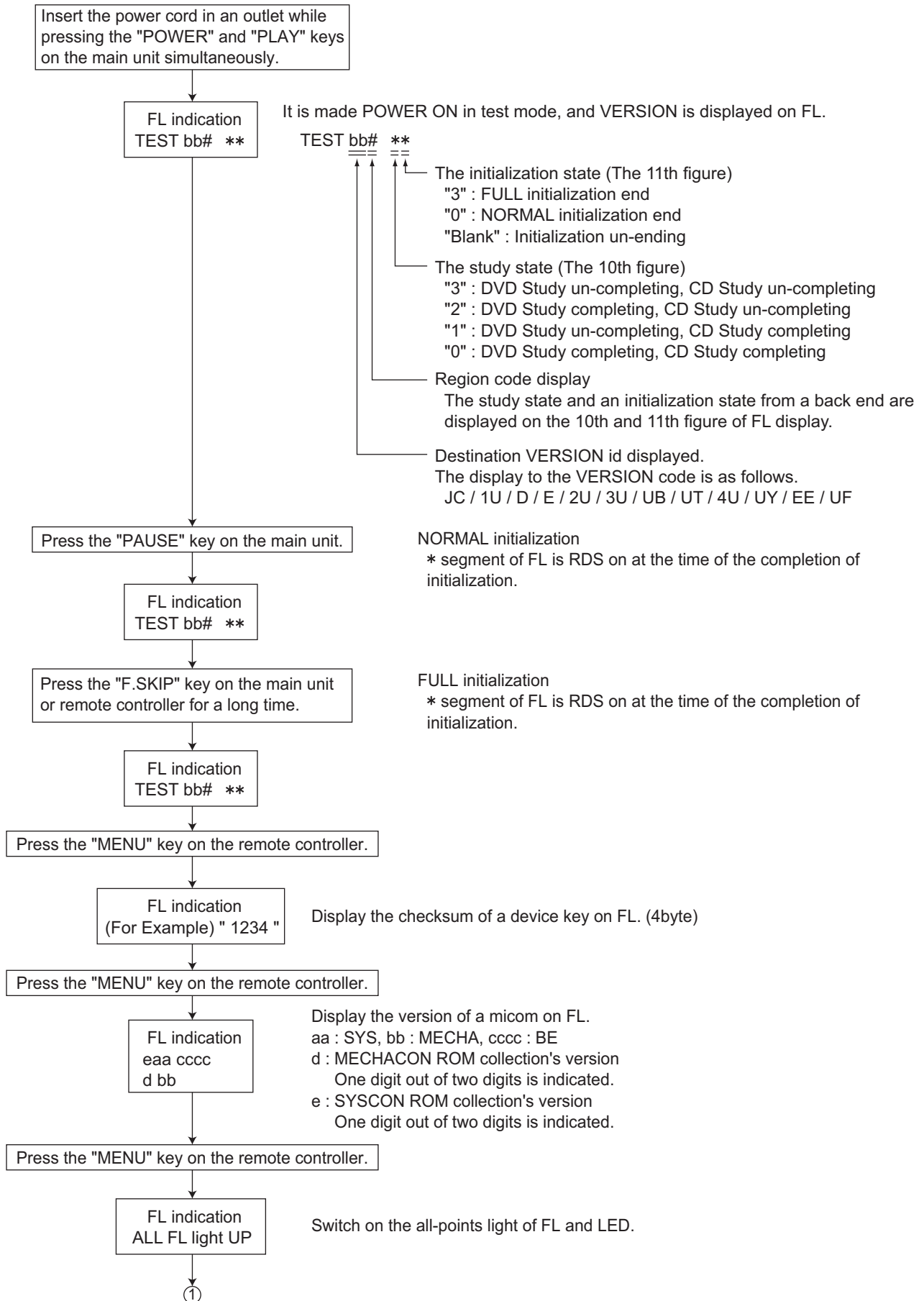
- (1) Press "STANDBY/ON" key of the main body to turn it on.
- (2) Push "OPEN/CLOSE" key of the main body, and insert the upgrade disc in the tray.
- (3) When reading the data of the disc, the OSD screen is displayed "VERSION UP DISC", "PROGRAM & DESTINATION MODE" and "READING..".
- (4) When the screen changes from "READING.." to "WRITING..", upgrading starts.
- (5) After writing the data of the disc, the screen is displayed "OPEN".
- (6) Take out the disc, and press "STANDBY/ON" key of the main body.
- (7) When the stand-by indicator is lighted, upgrading is completed.
- (8) Set the main body at test mode, and confirm the version of the firmware. (Refer to "4.2 Method of displaying version firmware".)

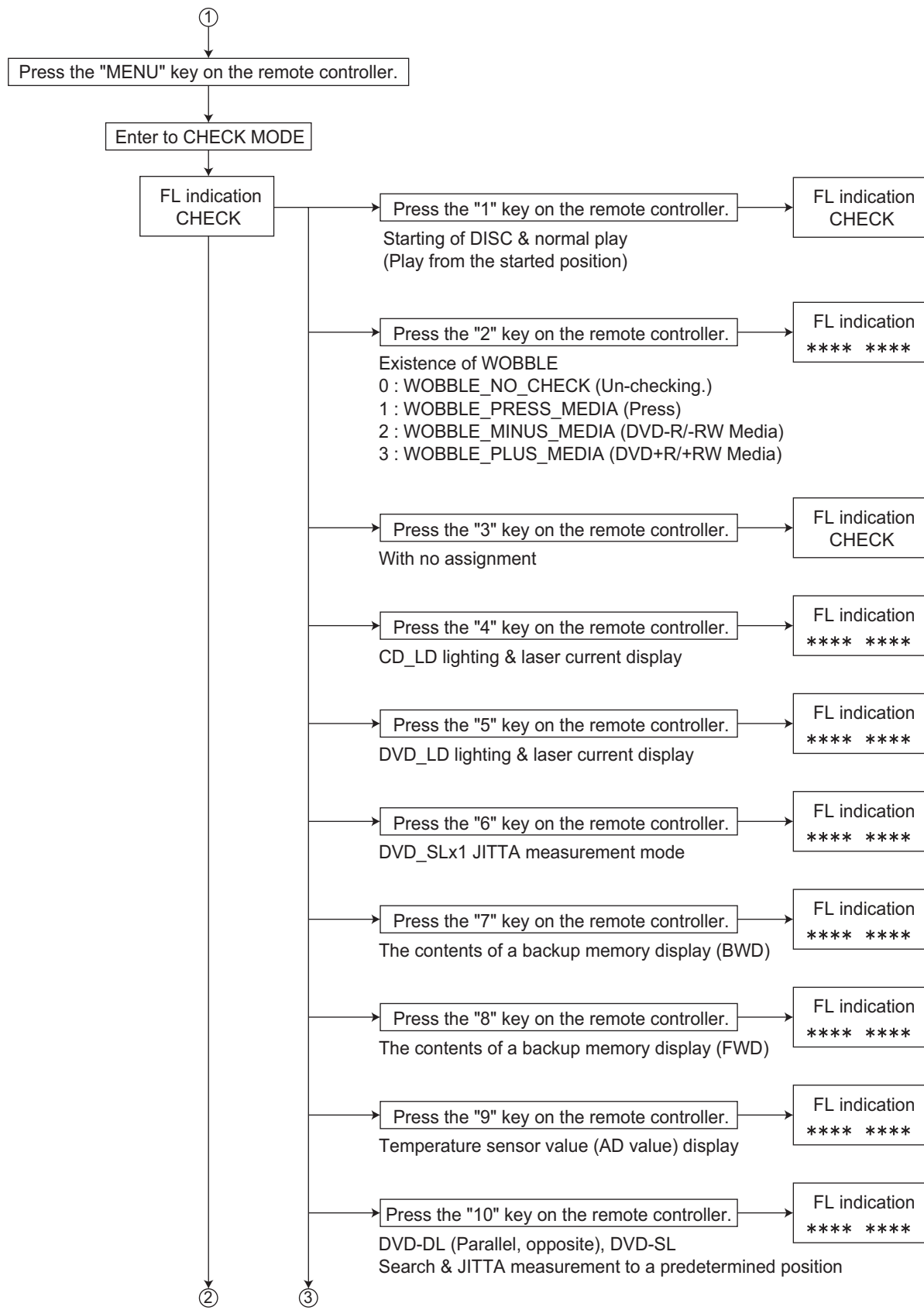
#### **4.1.4 Upgrading of system microcomputer (ROM CORRECTION)**

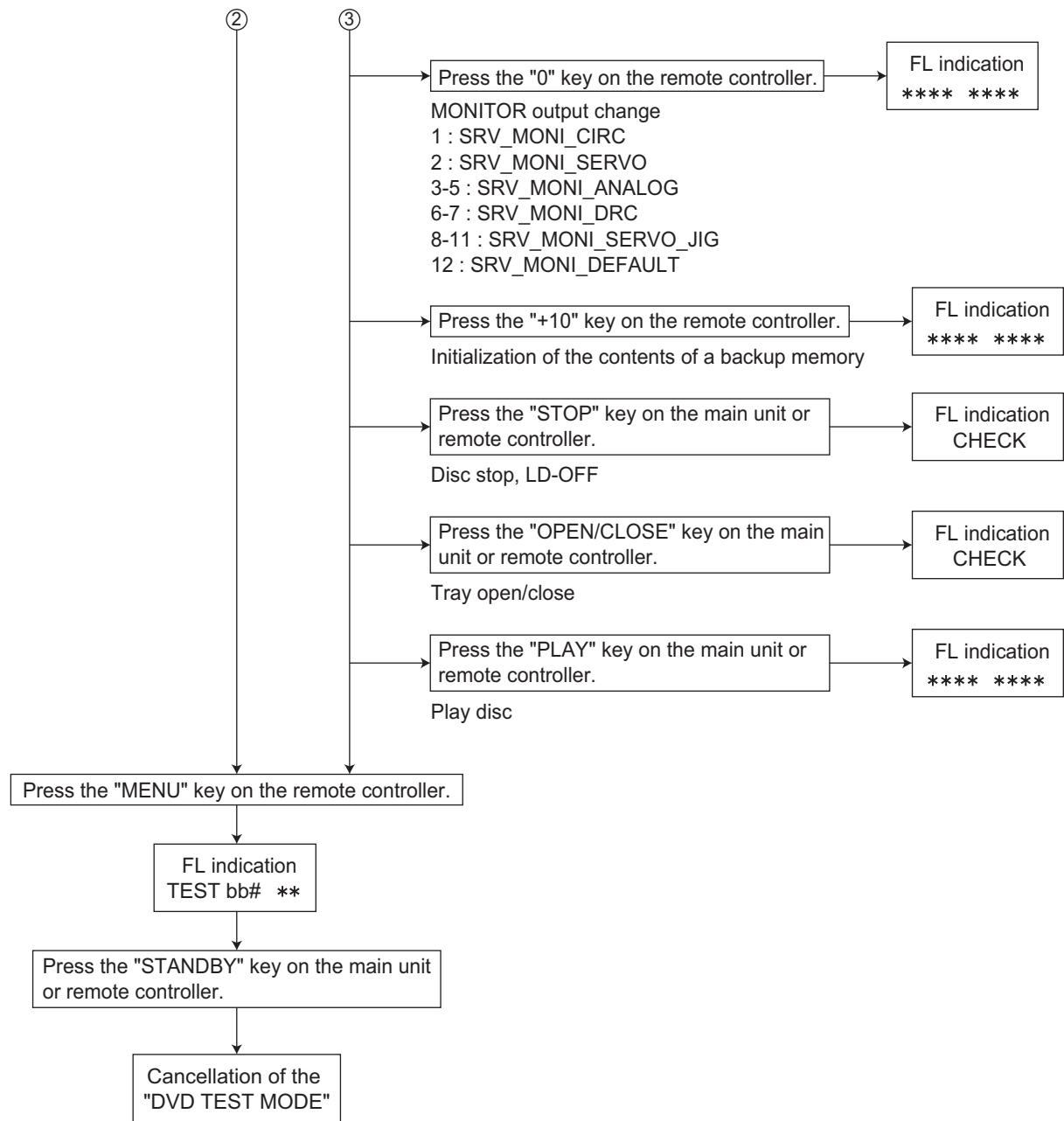
- (1) Press "STANDBY/ON" key of the main body to turn it on.
- (2) Push "OPEN/CLOSE" key of the main body, and insert the upgrade disc in the tray.
- (3) When reading the data of the disc, the OSD screen is displayed "VERSION UP DISC", "SYSCON UPG MODE" and "READING..".
- (4) When the screen changes from "READING.." to "WRITING..", system data is written.
- (5) After writing the data of the disc, the FL display of the main body is displayed "COMPLETE".
- (6) Take out the disc, and press "STANDBY/ON" key of the main body.
- (7) When the stand-by indicator is lighted, upgrading is completed.
- (8) Set the main body at test mode, and confirm the version of the system microcomputer. (Refer to "4.2 Method of displaying version firmware".)



## 4.2 DVD TEST MODE







## SECTION 5 TROUBLESHOOTING

This service manual does not describe TROUBLESHOOTING.



**JVC**

Victor Company of Japan, Limited  
AV & MULTIMEDIA COMPANY AUDIO/VIDEO SYSTEMS CATEGORY 10-1,1chome,Ohwatari-machi,Maebashi-city,371-8543,Japan

(No.MB427)

# JVC

# SCHEMATIC DIAGRAMS

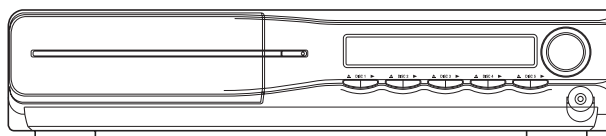
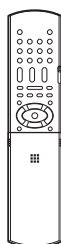
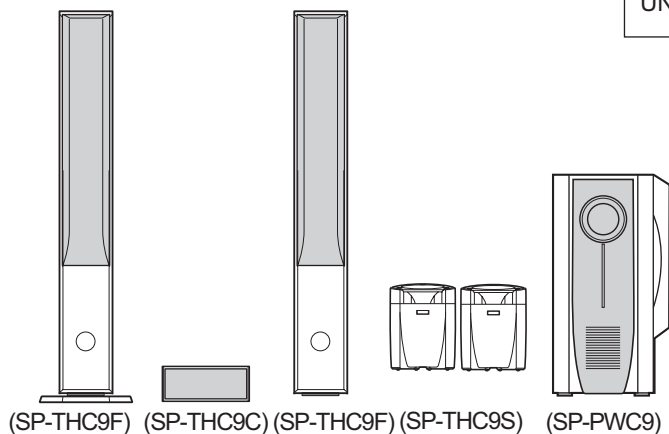
## DVD DIGITAL CINEMA SYSTEM

### TH-C9

CD-ROM No.SML200508

#### Area suffix

US ----- Singapore  
UT ----- Taiwan  
UX ----- Saudi Arabia  
UG --- Turkey, South Africa, Egypt  
UN ----- Asean



(XV-THC9)



*Digital Direct Progressive Scan*

Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

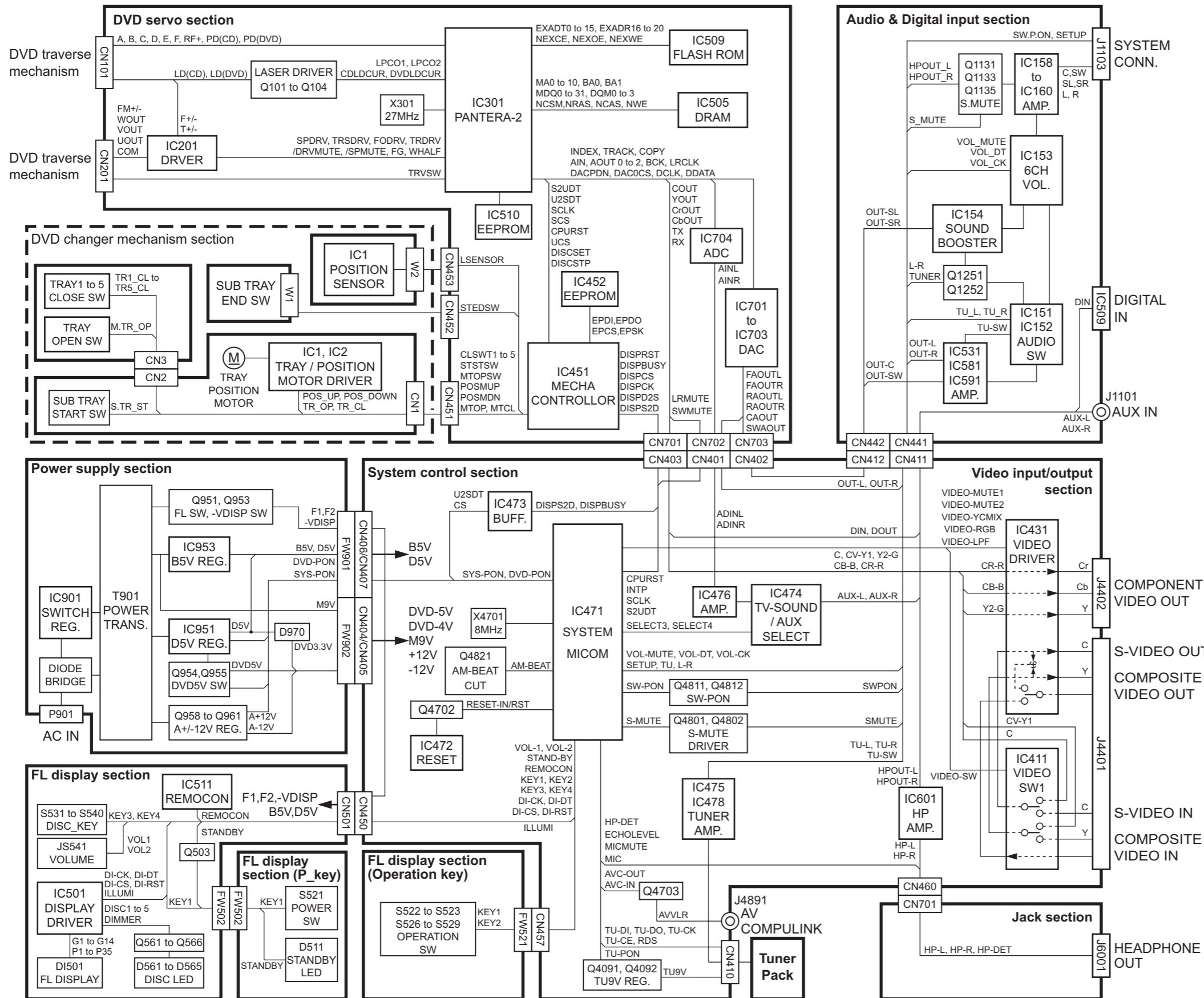
### Contents

Block diagram .....	2-1
Standard schematic diagrams .....	2-2
Printed circuit boards .....	2-13 to 17

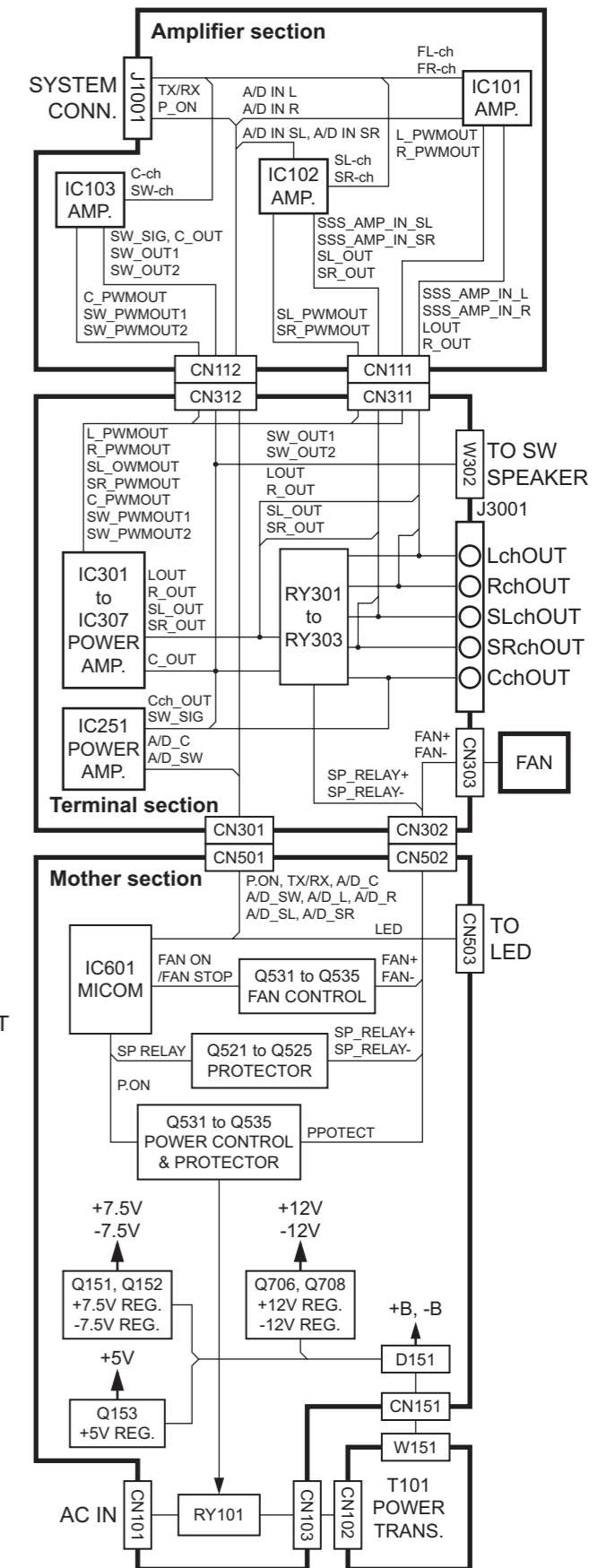
In regard with component parts appearing on the silk-screen printed side (parts side) of the PWB diagrams, the parts that are printed over with black such as the resistor (■), diode (⊣) and ICP (●) or identified by the "⚠" mark nearby are critical for safety.

# Block diagram

## <Main body section>



## <Subwoofer section>

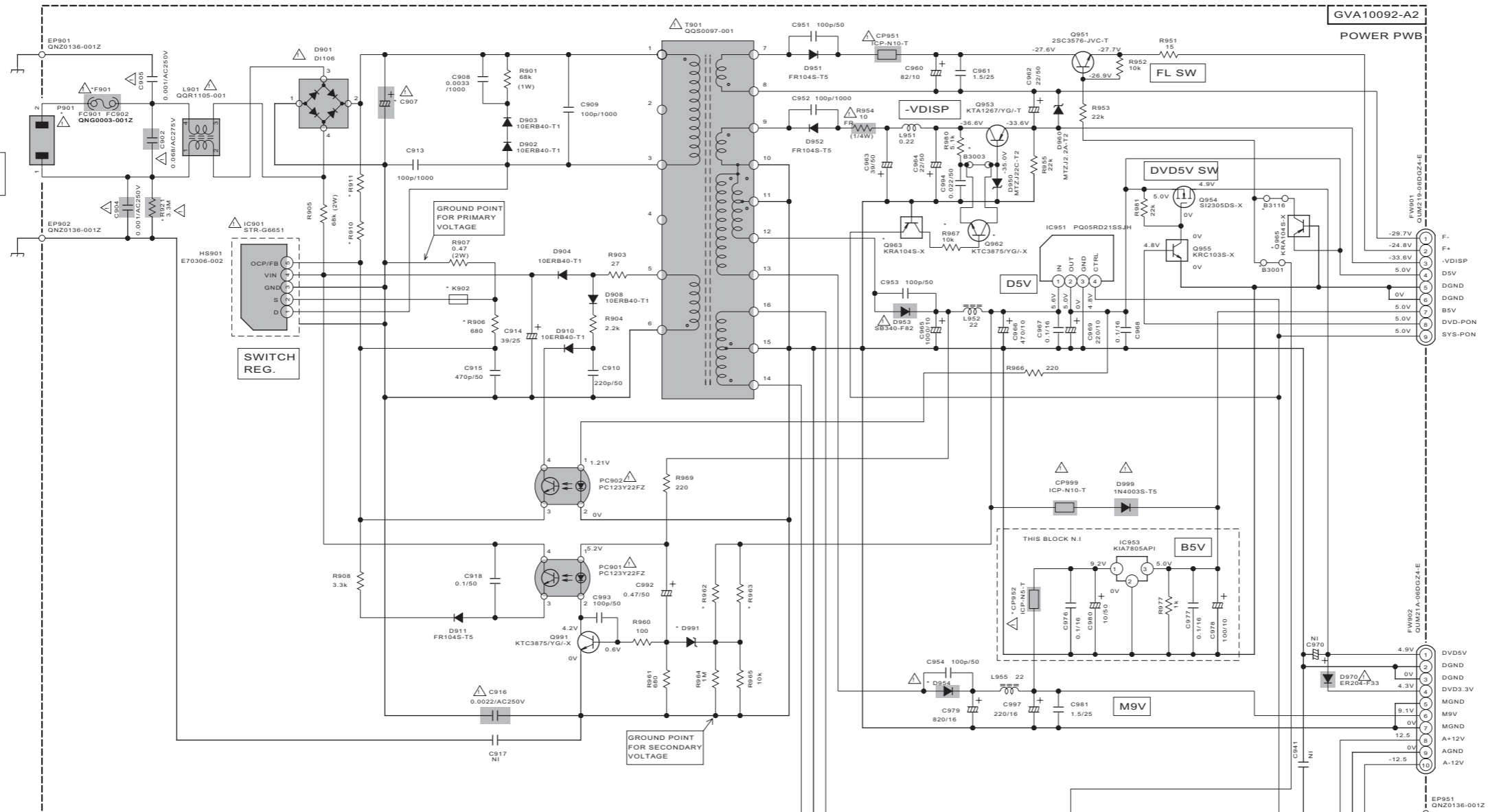


# Standard schematic diagrams

## <Main body section>

### ■ Power supply section

- Ver.J/C  
120V 60Hz
- Ver.B  
230V 50Hz
- Ver.UW/UJ/UJ/UY/UN  
US/UX/UG/UT
- 110-240V 50/60Hz
- Ver.A  
240V 50Hz

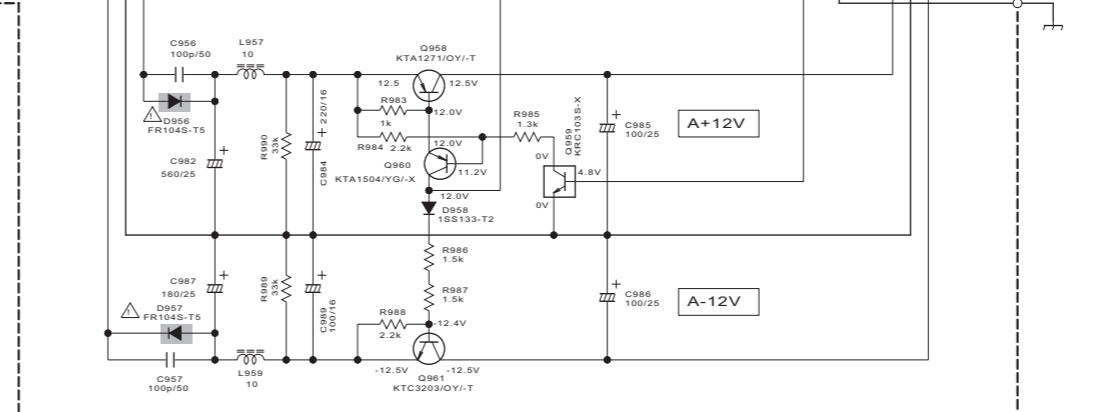


Ver.	ADDRESS	D	J/C	B	UY/UW/UJ/A US/UN/UX/UG/UT
*F901	(A-3)	QMF51U1-1R6-J8 (1.6A/125V)	QMF51U1-1R6-J8 (1.6A/125V)	QMF51W2-1R6-J8 (1.6A)	QMF51W2-1R6-J8 (1.6A)
*R962	(E-7)	1M	1M	NONE	NONE
*R963	(E-8)	100	100	180	180
*D991	(F-7)	MTZJ5.1C-T2	MTZJ5.1C-T2	MTZJ5.1B-T2	MTZJ5.1B-T2
*K902	(C-5)	QQR0779-001Z	QQR0779-001Z	0 (B3199)	0 (B3199)
*R921	(B-3)	NONE	3.3M	NONE	NONE
*P901	(B-2)	QNC0081-001	QNC0082-001	QNC0081-001	QNC0081-001
*R910 *R911	(B-5)	750k	750k	470k	470k
*CP952	(F-10)	0 (B3198)	ICP-N5-T	ICP-N5-T	ICP-N5-T

VERSION CODES	
J	: U.S.A.
C	: CANADA
B	: GREAT BRITAIN
UW	: BRAZIL/MEXICO/PERU
UY	: ARGENTINE
UJ	: USA MILITARY BASE
A	: AUSTRALIA
US	: SINGAPORE
UG	: TURKEY/EGYPT/SOUTH AFRICA
UN	: INDONESIA
UX	: SAUDI ARABIA
UT	: TAIWAN

Ver.	ADDRESS	D	J/C	B	UY/UW/UJ/A US/UN/UX/UG/UT
*C907	(B-5)	QETM2DM-157 (150/200)	QETM2DM-157 (150/200)	QETM2GM-686 (68/400)	QETM2GM-107 (100/400)
*D954	(F-9)	FR104S-T5	10ERB40-T1	FR104S-T5	FR104S-T5
*B3003	(B-10)		SHORT	OPEN	SHORT

**\* FOR POWER CONSUMPTION C/M:**  
 Q962, Q963, R967 USED FOR B VERSION ONLY  
 OTHERS USE B3003  
 Q965 & B3116 USED FOR B VERSION ONLY  
 OTHERS USE B3001



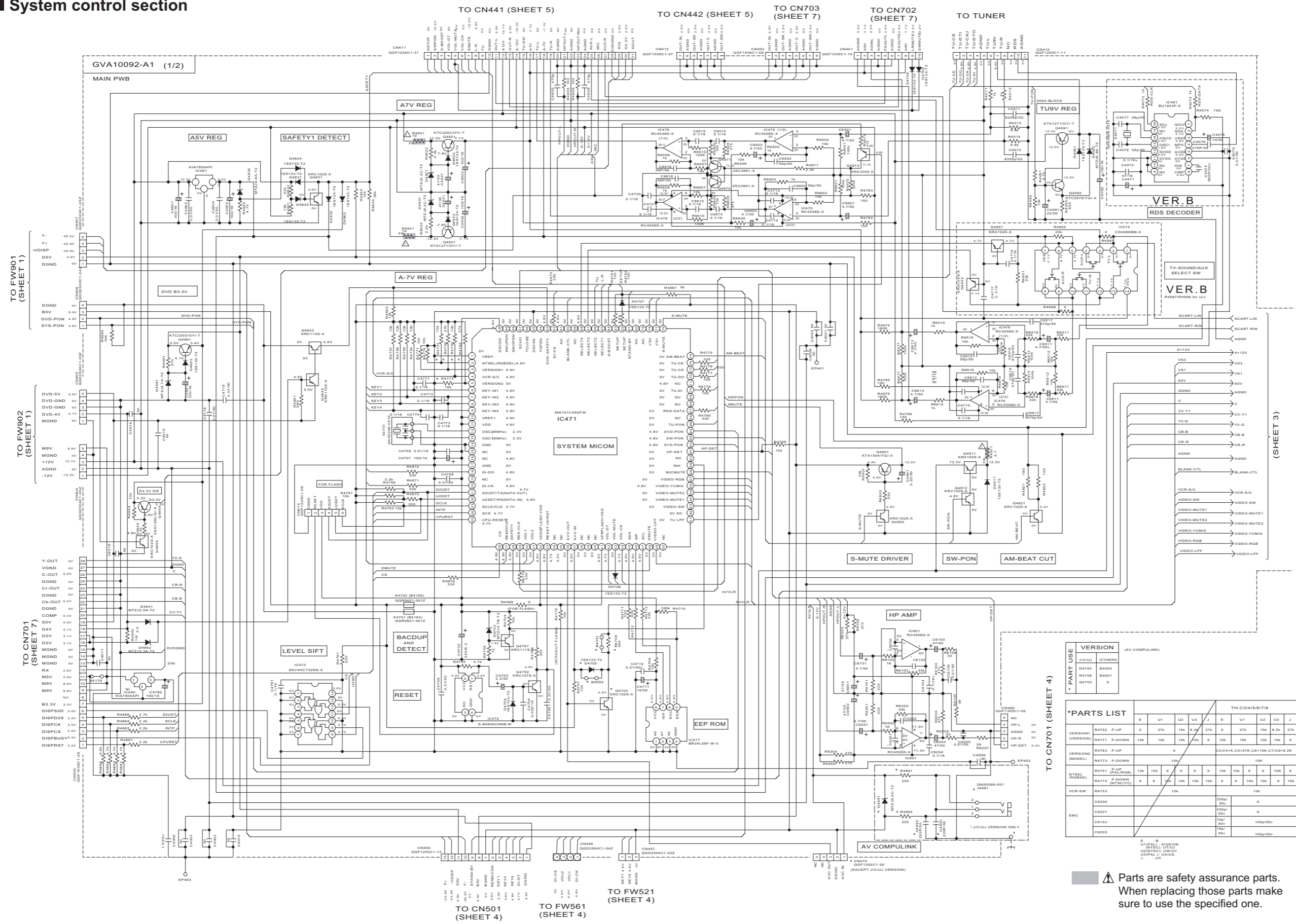
▲ Parts are safety assurance parts.  
 When replacing those parts make  
 sure to use the specified one.

TO CN406,CN407  
 OF GVA10092-A1  
 (SHEET 2)

TO CN404,CN405  
 OF GVA10092-A1  
 (SHEET 2)



# System control section



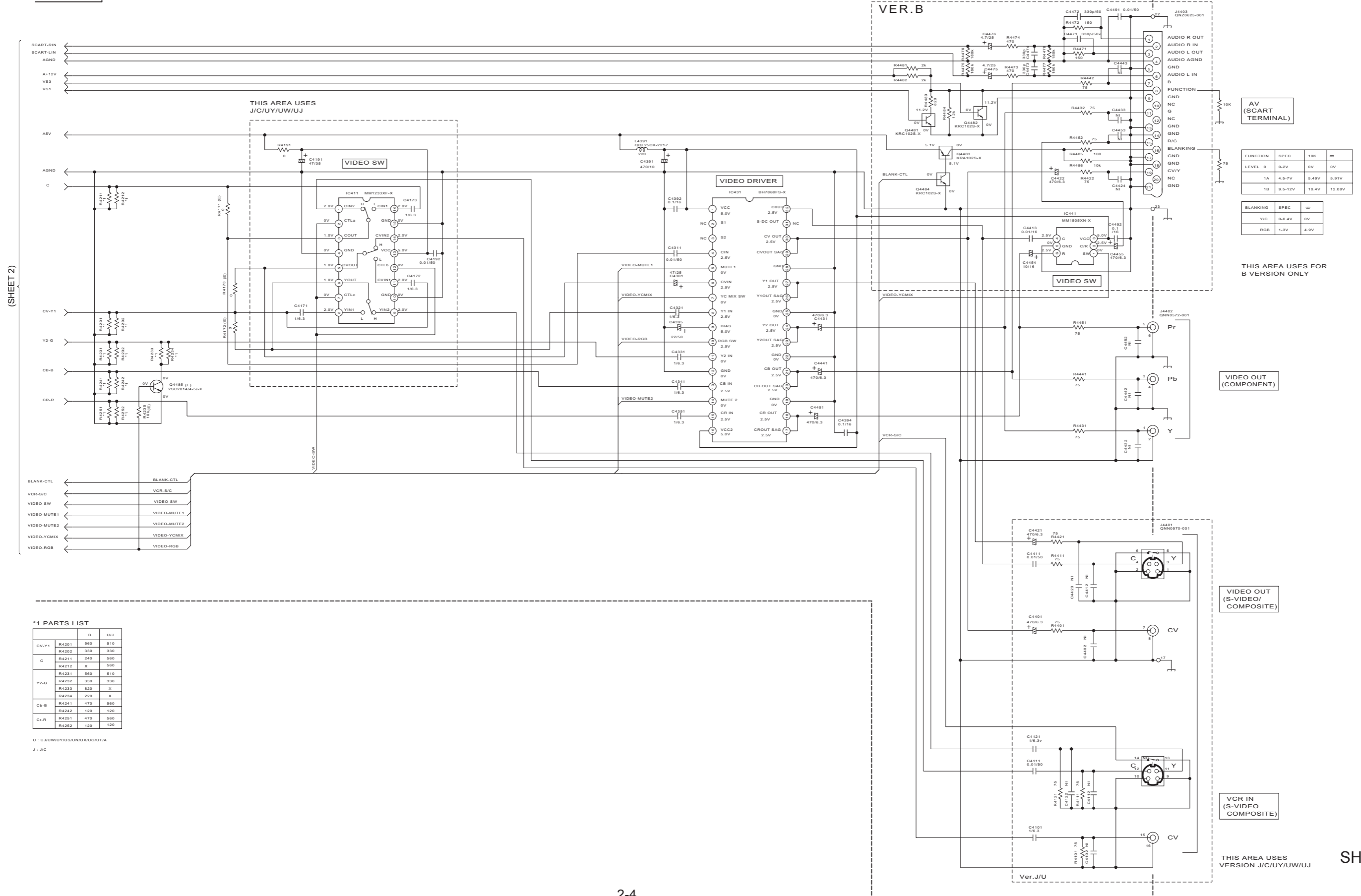
TO CN701 (SHEET 4)

PART USE	VERSION		(AV COMPLINE)									
	JIC/UJ	OTHERS	E	U1	U2	U3	J	E	U1	U2	U3	
VERSION1 (VERSION)	R4752	P-UP	X	27k	15k	8.2k	27k	X	27k	15k	8.2k	27k
VERSION2 (VERSION)	R4771	P-DOWN	10k	10k	10k	10k	10k	10k	10k	10k	10k	X
VERSION3 (VERSION)	R4763	P-UP		X								
VERSION4 (MODEL)	R4773	P-DOWN		10k								
NTSEL ROGBEL	R4751	P-UP (PAL/RGB)	10k	10k	X	X	X	X	10k	10k	X	10k
	R4774	P-DOWN (NTSC/VC)	X	X	10k	10k	10k	X	X	10k	10k	10k
VCR-SW	R4753			10k								10k
EMC	C8206									330pF		X
	C8207									330pF		X
	C8102									100pF		X
	C8202									100pF/50V		X

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

Video input/output section

GVA10092-A1



(SHEET 2)

\*1 PARTS LIST

		B	U/J
CV-Y1	R4201	560	510
	R4202	330	330
C	R4211	240	560
	R4212	X	560
Y2-G	R4231	560	510
	R4232	330	330
	R4233	820	X
Cb-B	R4241	470	560
	R4242	120	120
Cr-R	R4251	470	560
	R4252	120	120

U : U/J/U/W/U/V/U/S/U/N/U/X/U/G/U/T/A  
J : J/C

AV (SCART TERMINAL)

FUNCTION	SPEC	10K	∞
LEVEL 0	0-2V	0V	0V
1A	4.5-7V	5.49V	5.91V
1B	9.5-12V	10.4V	12.08V

BLANKING	SPEC	∞
Y/C	0-0.4V	0V
RGB	1-3V	4.9V

THIS AREA USES FOR B VERSION ONLY

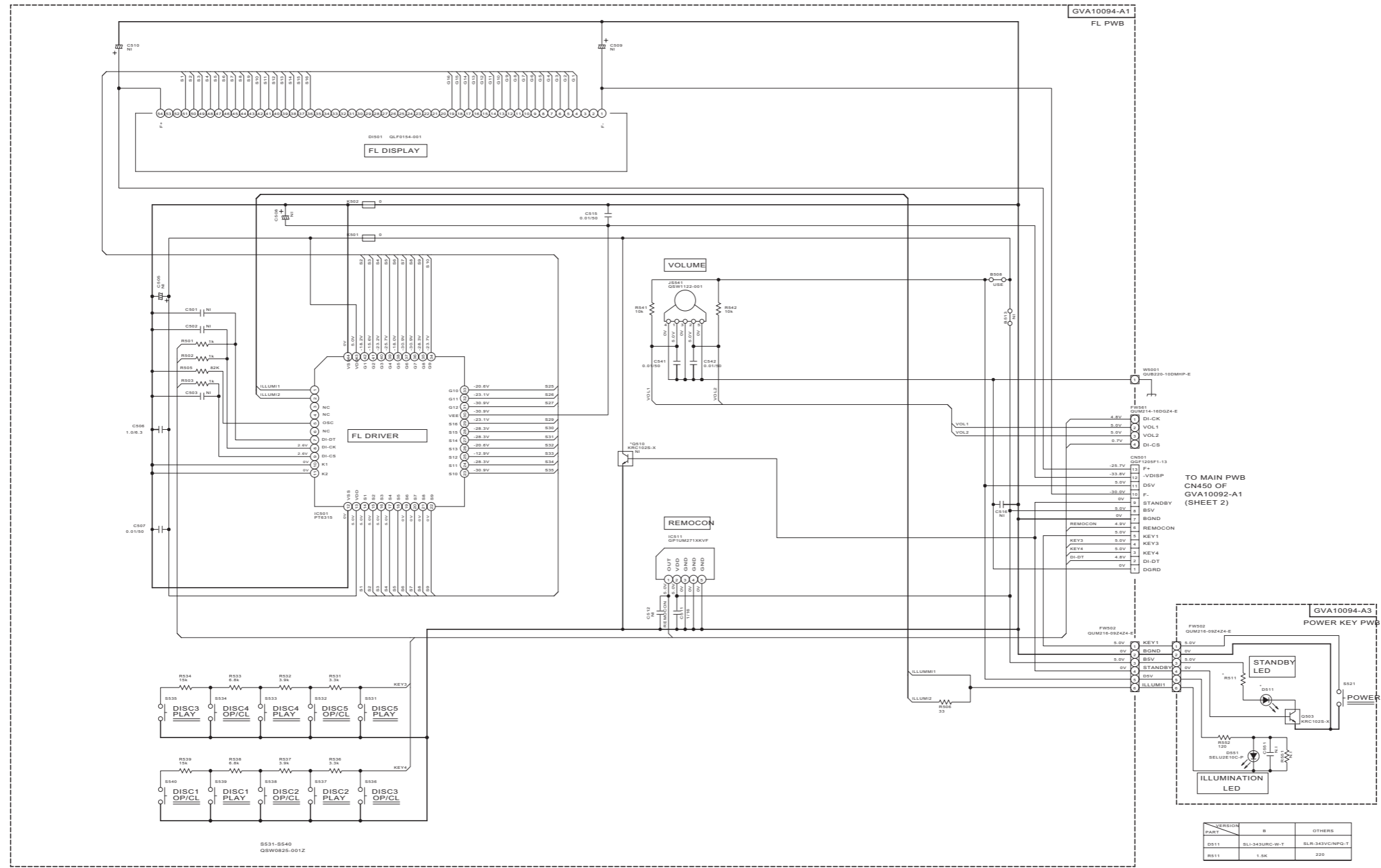
VIDEO OUT (COMPONENT)

VIDEO OUT (S-VIDEO/COMPOSITE)

VCR IN (S-VIDEO/COMPOSITE)

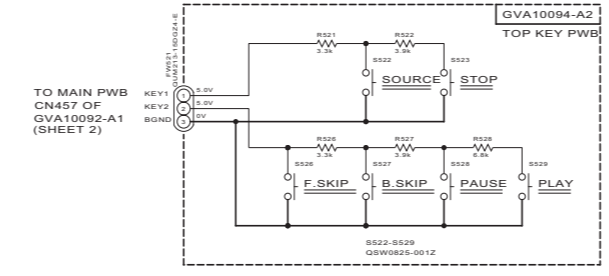
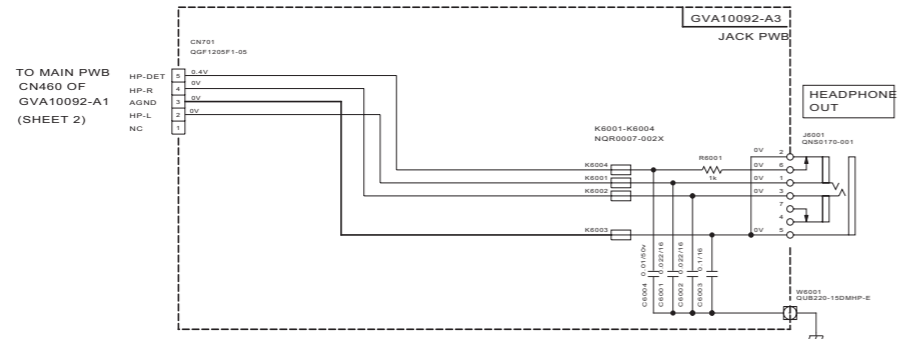
THIS AREA USES VERSION J/C/U/Y/U/W/U/J

FL display section

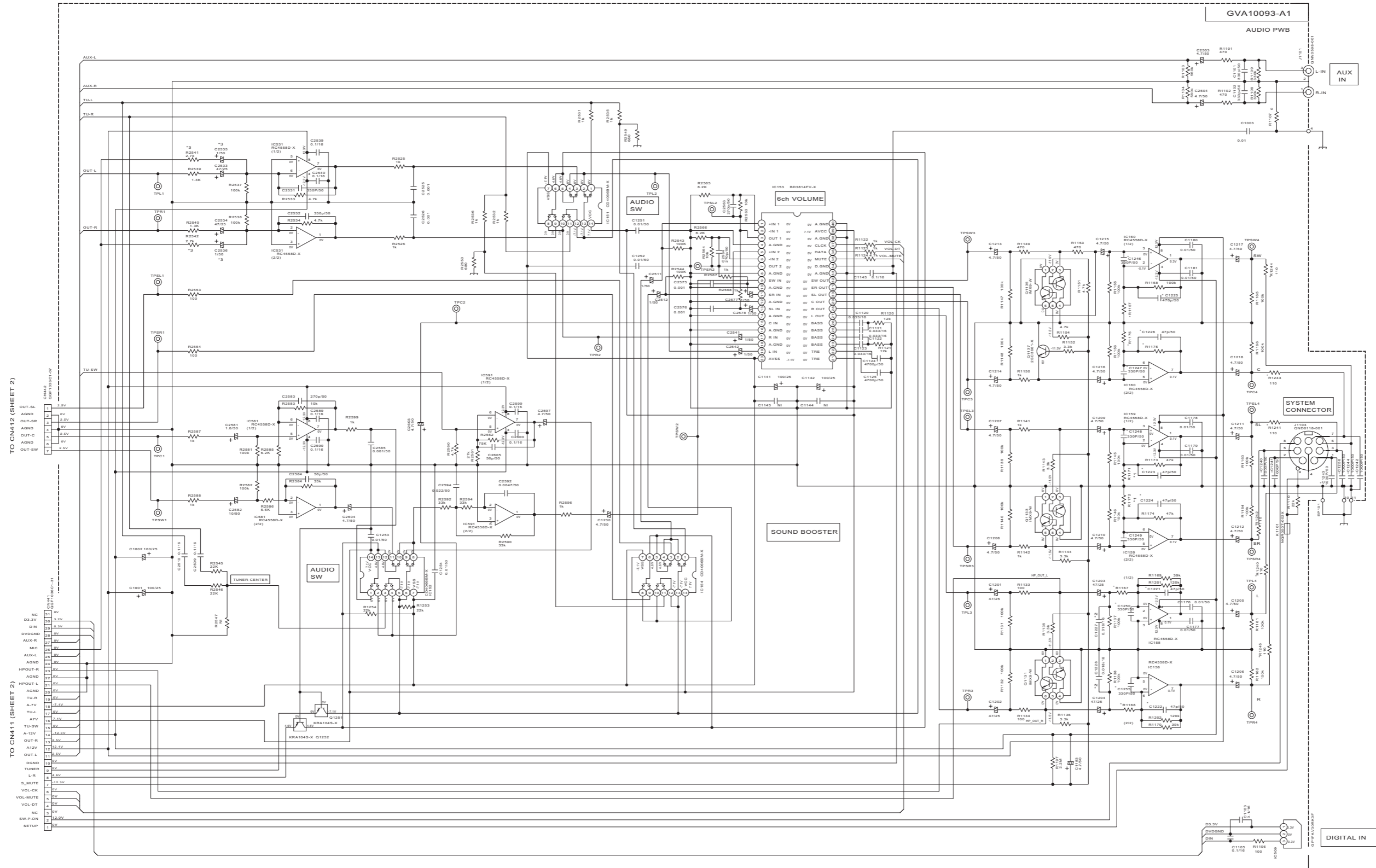


TO MAIN PWB  
CN450 OF  
GVA10092-A1  
(SHEET 2)

VERSION	B	OTHERS
DIS1	SLI-343URC-W-Y	SLR-343VC/NPD-1
RS11	1.0K	22K



# Audio & Digital input section



TO CN412 (SHEET 2)

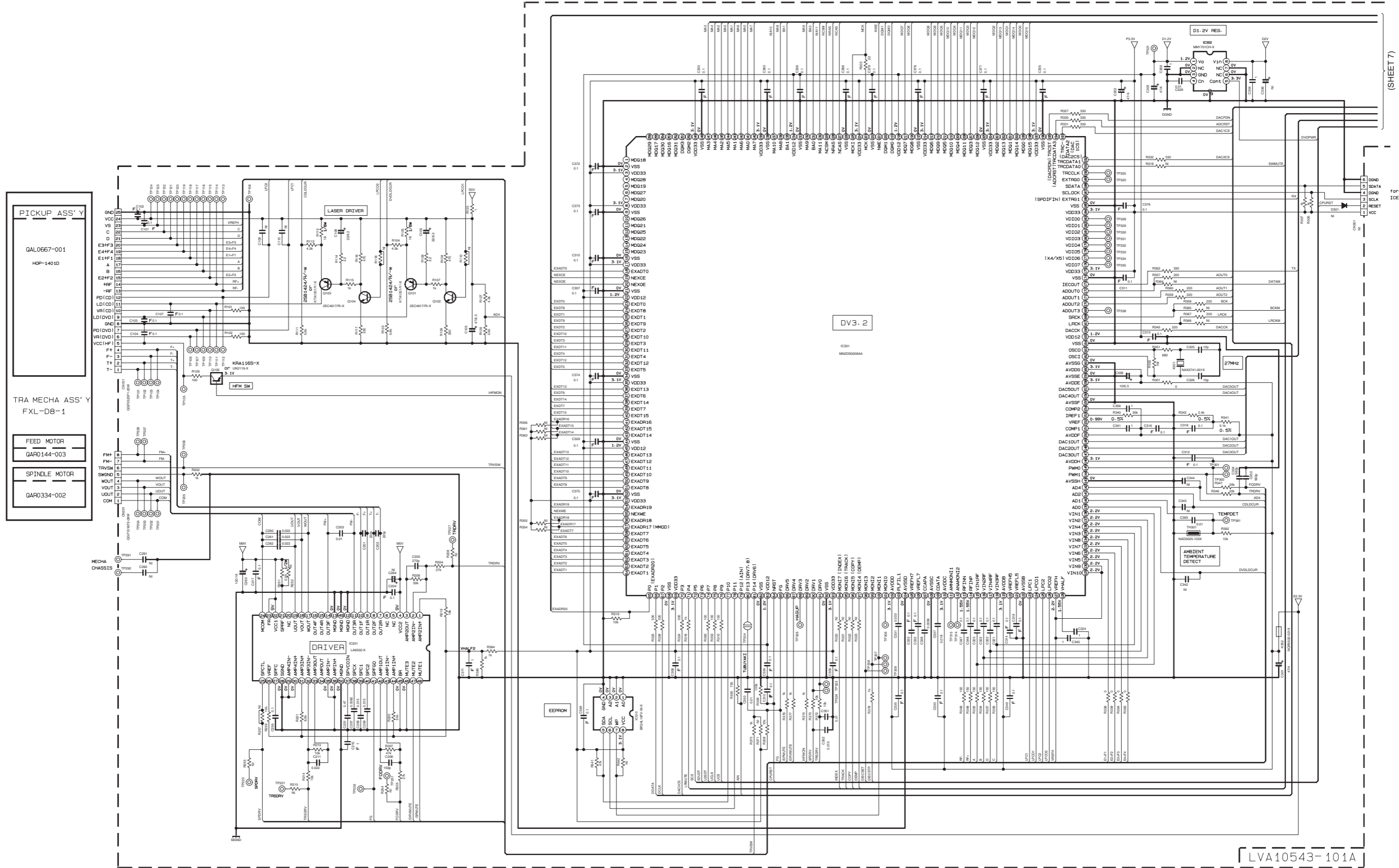
TO CN411 (SHEET 2)

VERSION	R1176	R1171 R1172	R1175	R1167 R1168	R1157
XV-THC3/4	39k	1.5k	2K	1.2k	3.3k
XV-THC5	39k	2K	1.8k	1.2k	1.2k
XV-THC6	39k	2K	2K	1.2k	3.3k
XV-THC7	39k	1.8K	2K	1.2k	1k
XV-THC9	30k	3K	2K	1.5k	1.2k

* EMC C/M		
PART	B	OTHERB
C1246, C1248, C1247, C1249, C1250, C1253	330p	NONE
R1240, R1241, R1242, R1243, R1244, R1245	100 ohm	0 ohm
C1240, C1241, C1242, C1243, C1244, C1245	1000p	NONE
C1241, C1222, C1223, C1224, C1225, C1226	NONE	USE

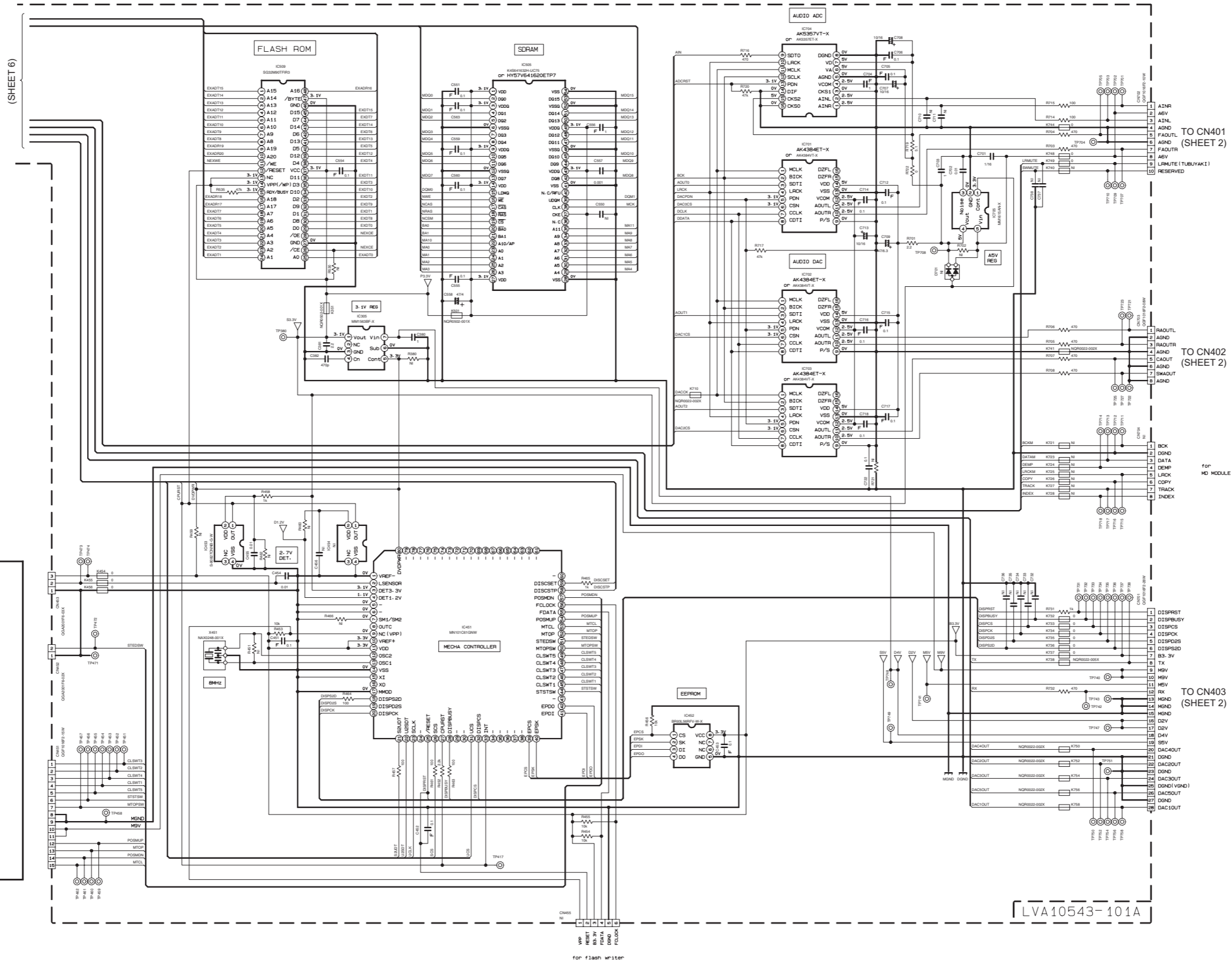
\*3 USE U seri. With MIC.

DVD servo section (1/2)



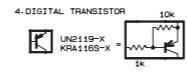
LVA10543-101A

(SHEET 7)



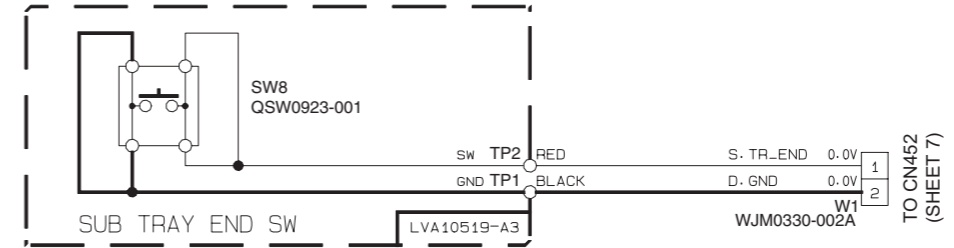
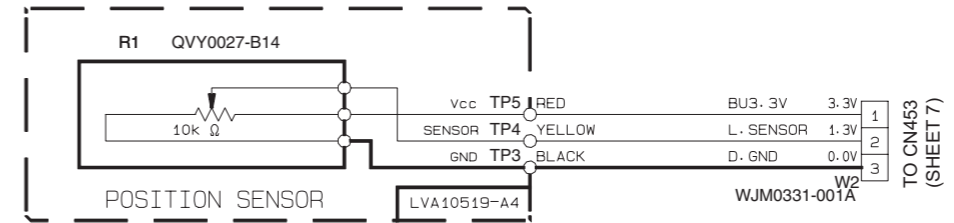
LOADER ASS'Y  
CH5-BASE-1M  
See  
LVS20135-001A

- NOTES**
- VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER WITHOUT INPUT SIGNAL. CONDITION --- A DVD disc in the Tray 1-and STOP mode.
  - UNLESS OTHERWISE SPECIFIED:  
ALL RESISTORS ARE 1/16W ±5% METAL GLAZE RESISTOR, OR 0.5X METAL GLAZE RESISTOR.  
ALL CAPACITORS ARE 50V ±25V .15V .10V OR 6.3V CERAMIC CAPACITOR.  
ALL RESISTANCE VALUES ARE IN OHM(Ω).  
ALL CAPACITANCE VALUES ARE IN pF(pF).  
ALL CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE/(RATED VOLTAGE (V)).  
ALL INDUCTANCE VALUES ARE IN μH(μH).
  - NI STANDS FOR NOT INSERTED PARTS.



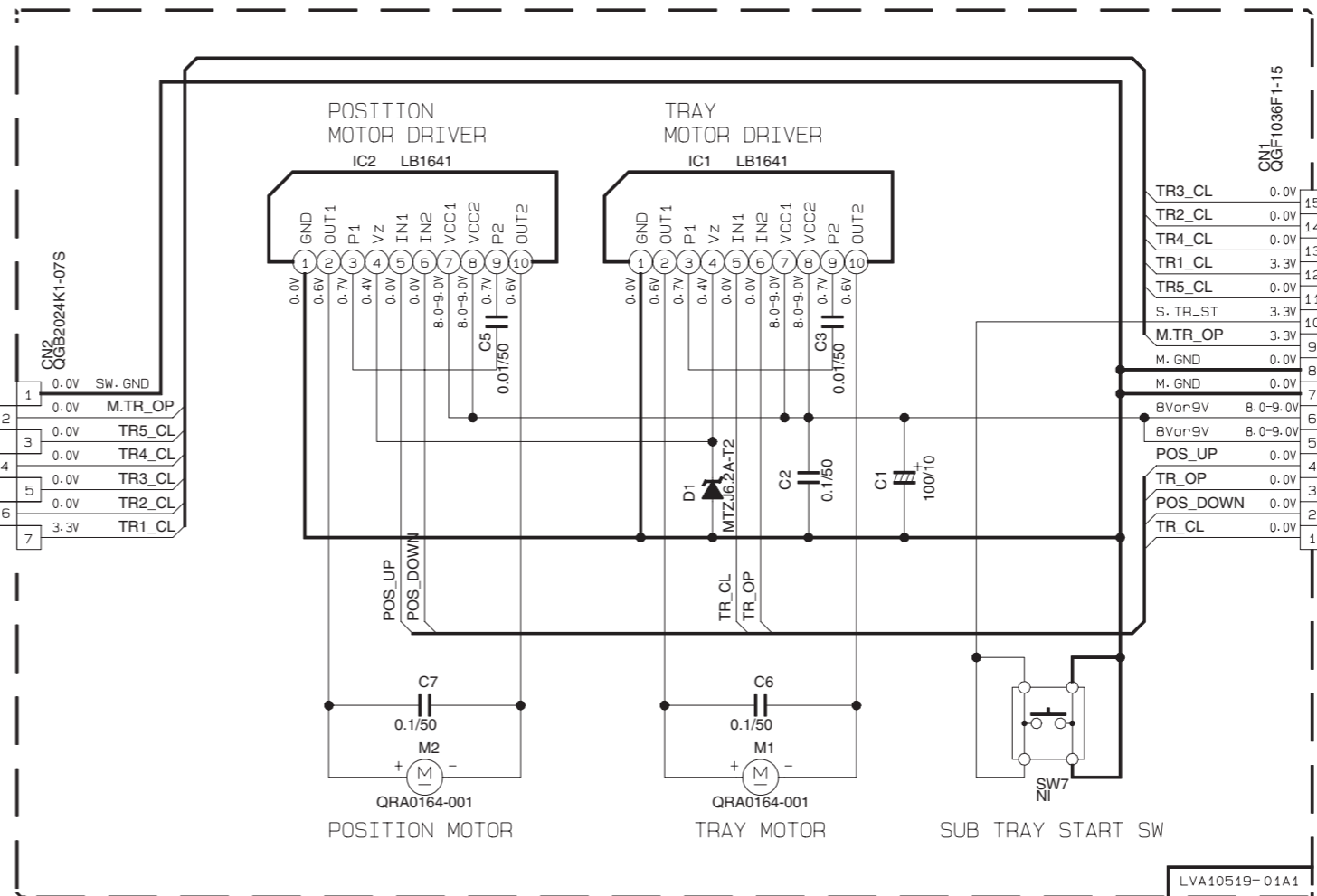
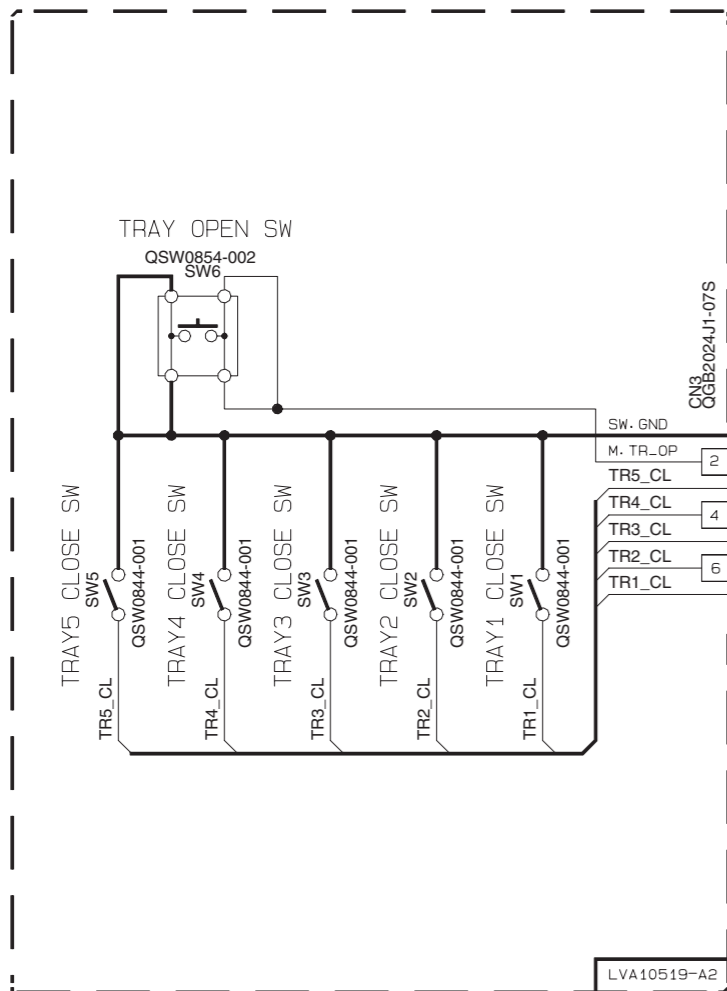


■ DVD changer mechanism section



TO CN453  
(SHEET 7)

TO CN452  
(SHEET 7)



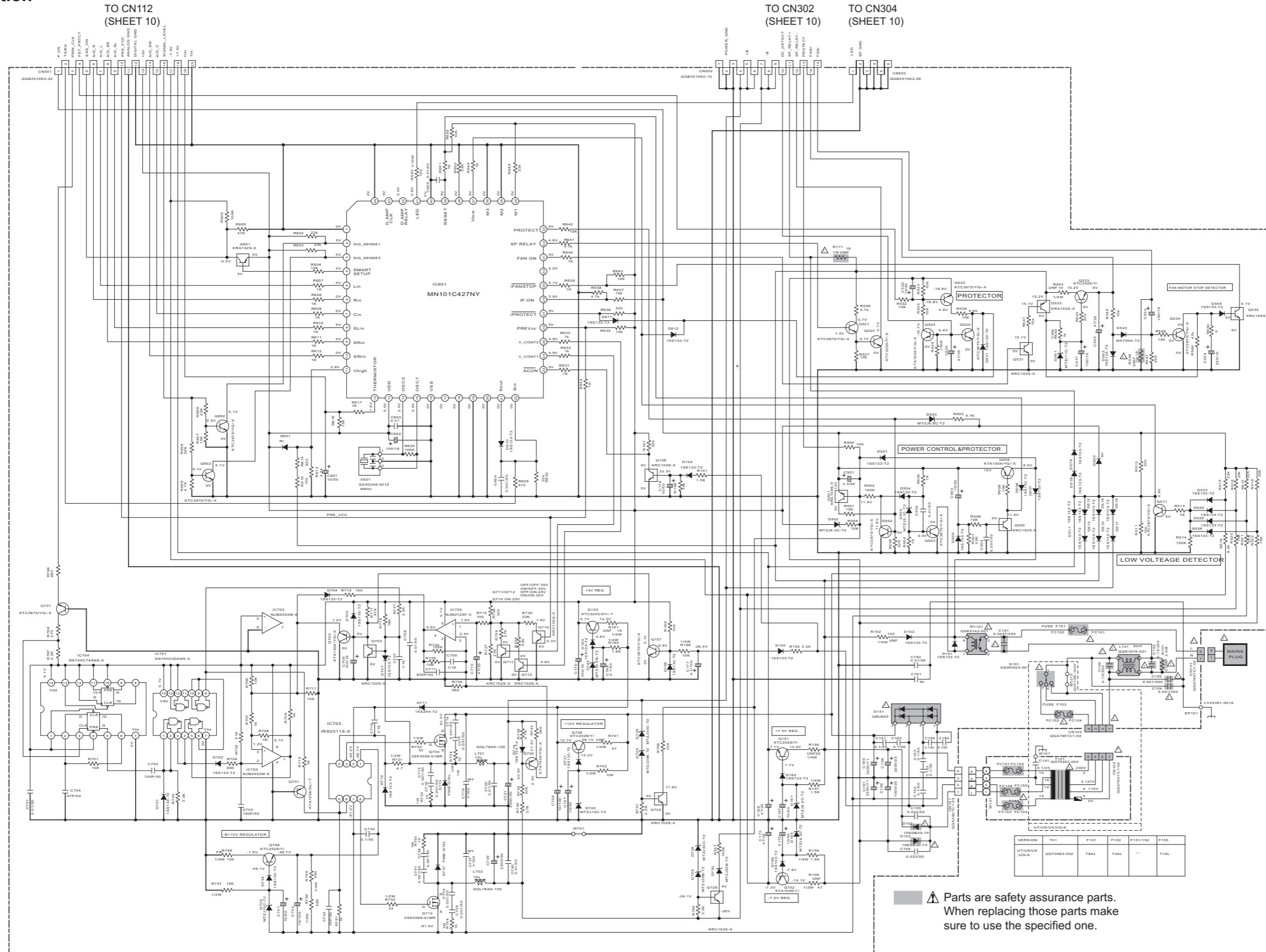
TO CN451  
(SHEET 7)

NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER. CONDITION: DISC1 STOP
2. UNLESS OTHERWISE SPECIFIED. ALL CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (μF)/RATED VOLTAGE (V).
3. NI STANDS FOR NOT INSERTED PARTS.

<Subwoofer section>

■ Mother section



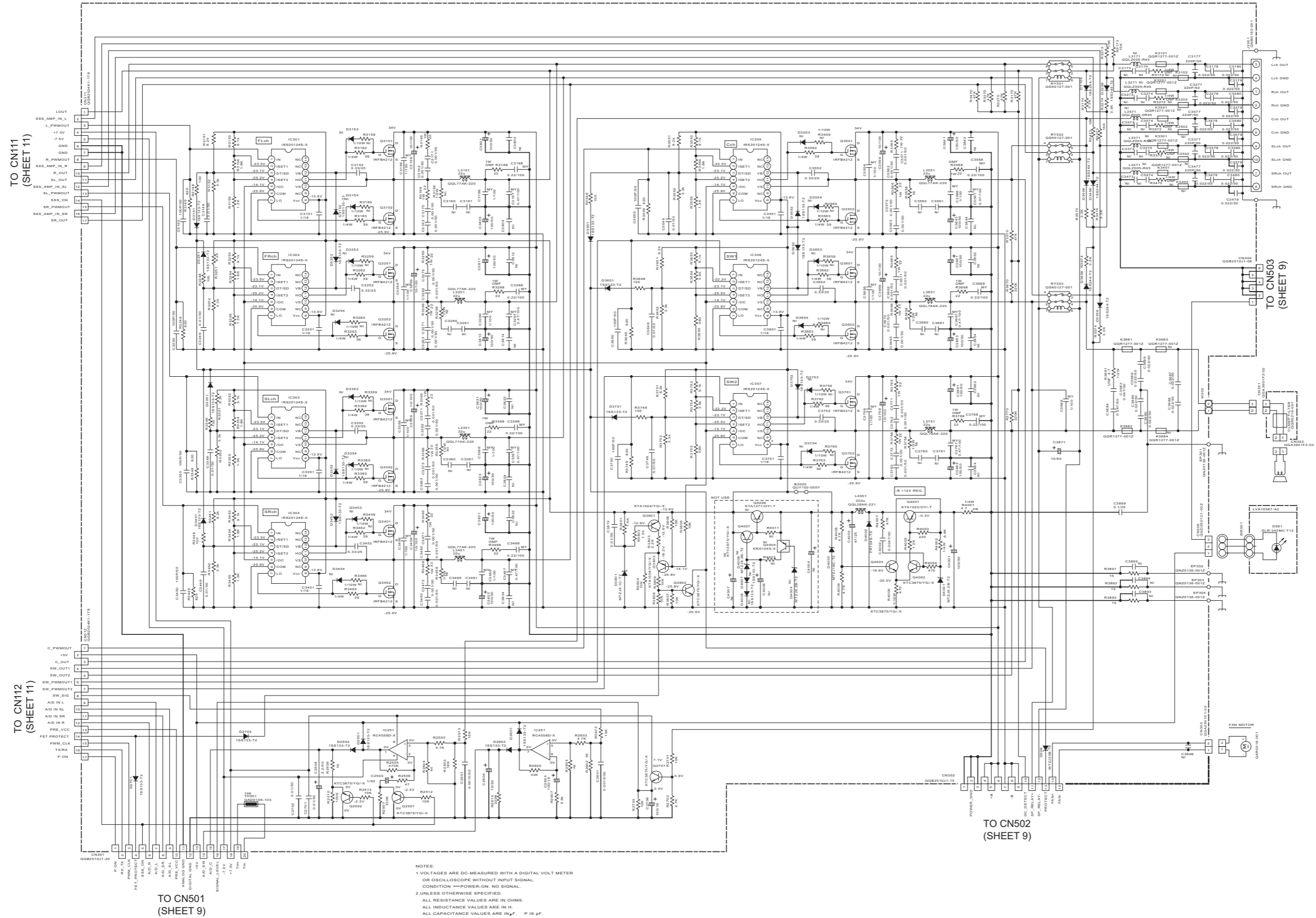
⚠ Parts are safety assurance parts. When replacing those parts make sure to use the specified one.

NOTES:  
 1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL. CONDITION —POWER-ON, NO SIGNAL.  
 2. UNLESS OTHERWISE SPECIFIED, ALL RESISTANCE VALUES ARE IN OHMS, ALL INDUCTANCE VALUES ARE IN H, ALL CAPACITANCE VALUES ARE IN #F, P IS PF.

VERSION	TS1	F101	F102	F101/102	F103
UT1000X J000A	Q07463-002	TAAL	TAAL	...	T1AL

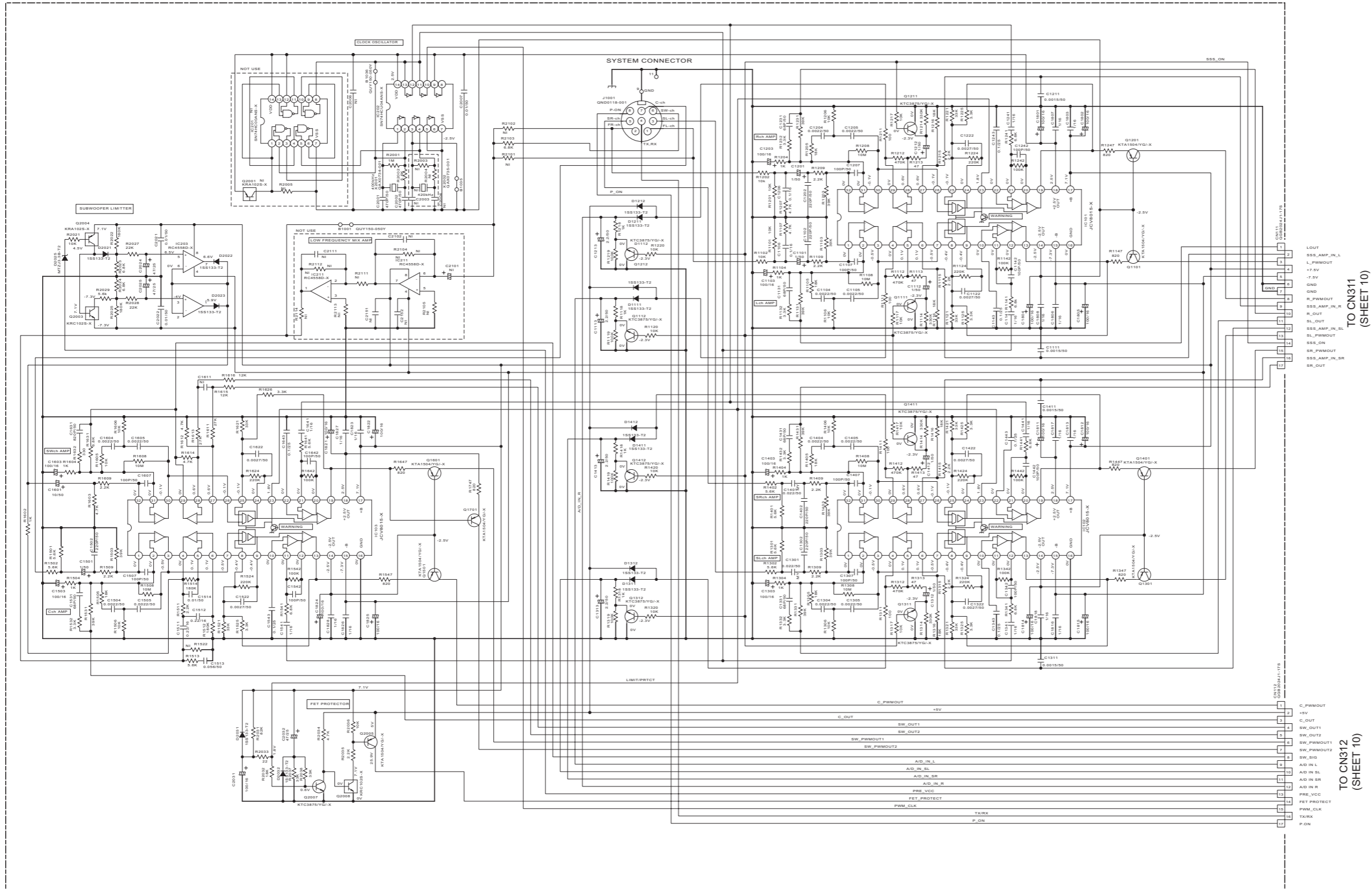


Terminal section



NOTES:  
 1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL.  
 CONDITION — POWER-ON, NO SIGNAL.  
 2. UNLESS OTHERWISE SPECIFIED,  
 ALL RESISTANCE VALUES ARE IN OHMS.  
 ALL INDUCTANCE VALUES ARE IN H.  
 ALL CAPACITANCE VALUES ARE IN  $\mu$ F. P IS pF.

■ Amplifier section



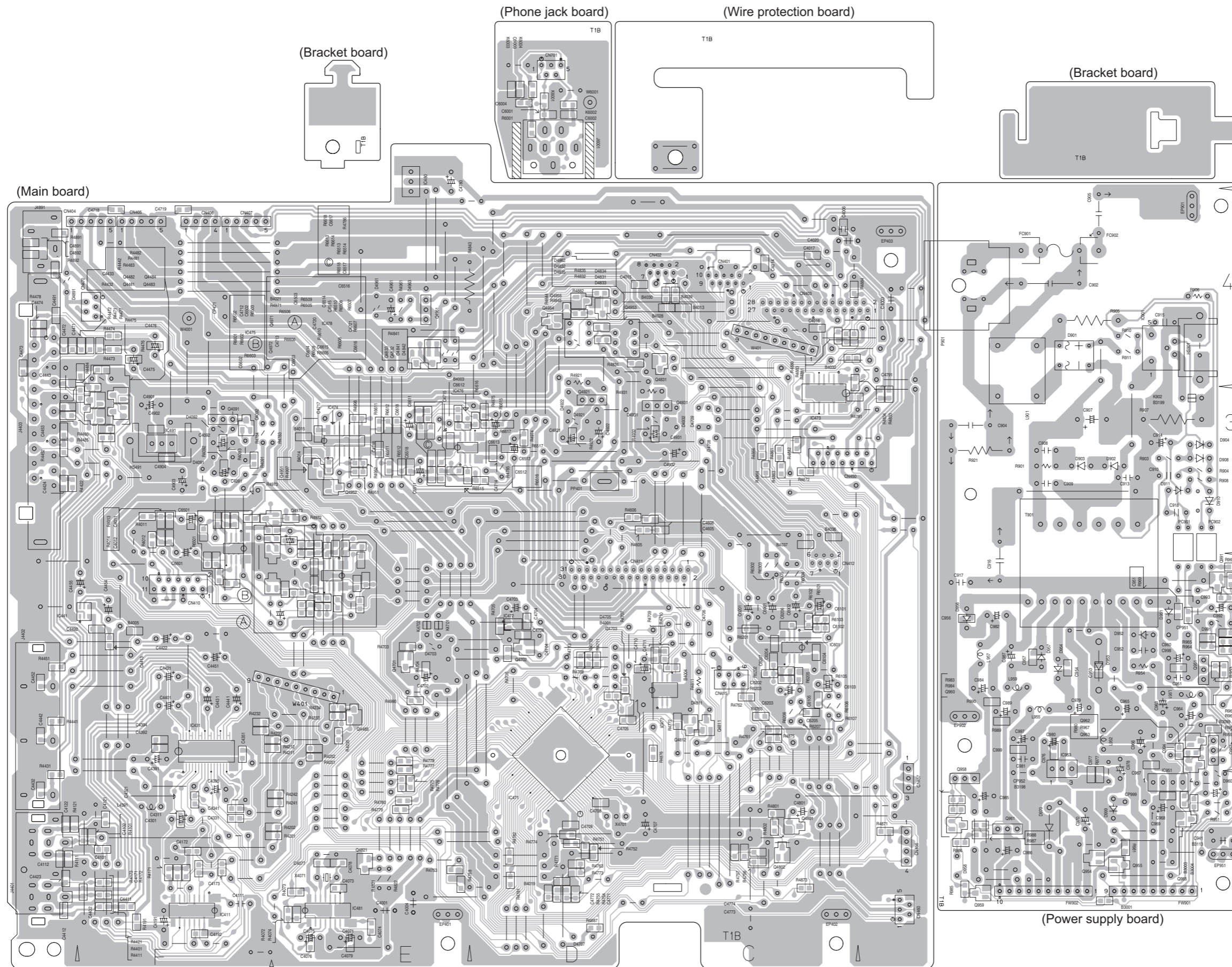
NOTES:  
 1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL.  
 CONDITION — POWER-ON, NO SIGNAL.  
 2. UNLESS OTHERWISE SPECIFIED  
 ALL RESISTANCE VALUES ARE IN OHMS.  
 ALL INDUCTANCE VALUES ARE IN H.  
 ALL CAPACITANCE VALUES ARE IN #F. P IS pF.

TO CN311 (SHEET 10)  
 L\_OUT  
 SSS\_AMP\_IN\_L  
 L\_PWMOUT  
 +7.5V  
 -7.5V  
 GND  
 GND  
 R\_AMP\_IN\_R  
 SSS\_AMP\_IN\_R  
 R\_OUT  
 SL\_OUT  
 SSS\_AMP\_IN\_SL  
 SL\_PWMOUT  
 SSS\_ON  
 SR\_PWMOUT  
 SSS\_AMP\_IN\_SR  
 SR\_OUT  
 TO CN312 (SHEET 10)  
 C\_PWMOUT  
 +5V  
 C\_OUT  
 SW\_OUT1  
 SW\_OUT2  
 SW\_PWMOUT1  
 SW\_PWMOUT2  
 SW\_SL  
 AID\_IN\_L  
 AID\_IN\_SL  
 AID\_IN\_R  
 AID\_IN\_SR  
 PRE\_VCC  
 FET\_PROTECT  
 PWM\_CLK  
 TX/RX  
 P.ON

# Printed circuit boards

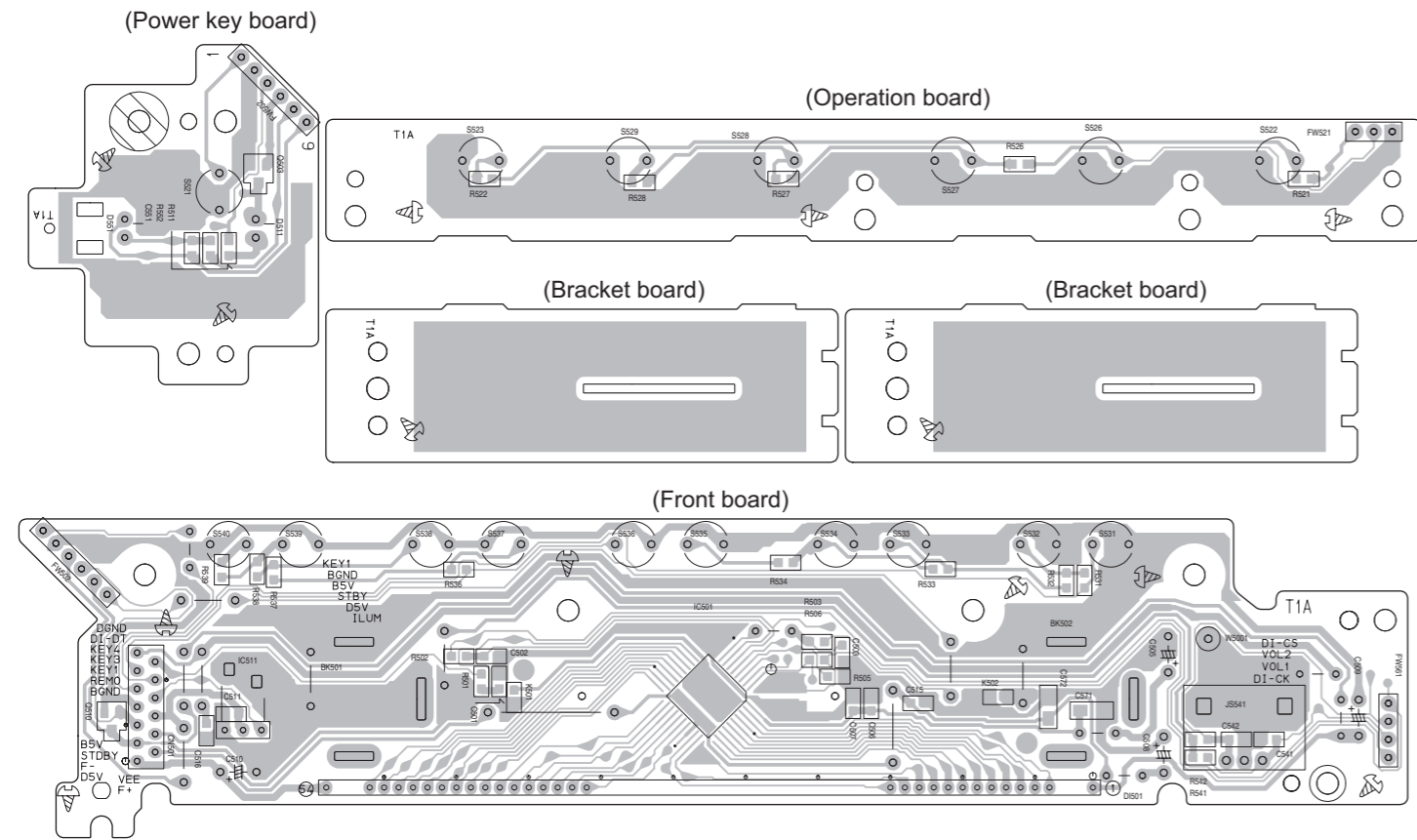
## <Main body section>

■ Main board Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

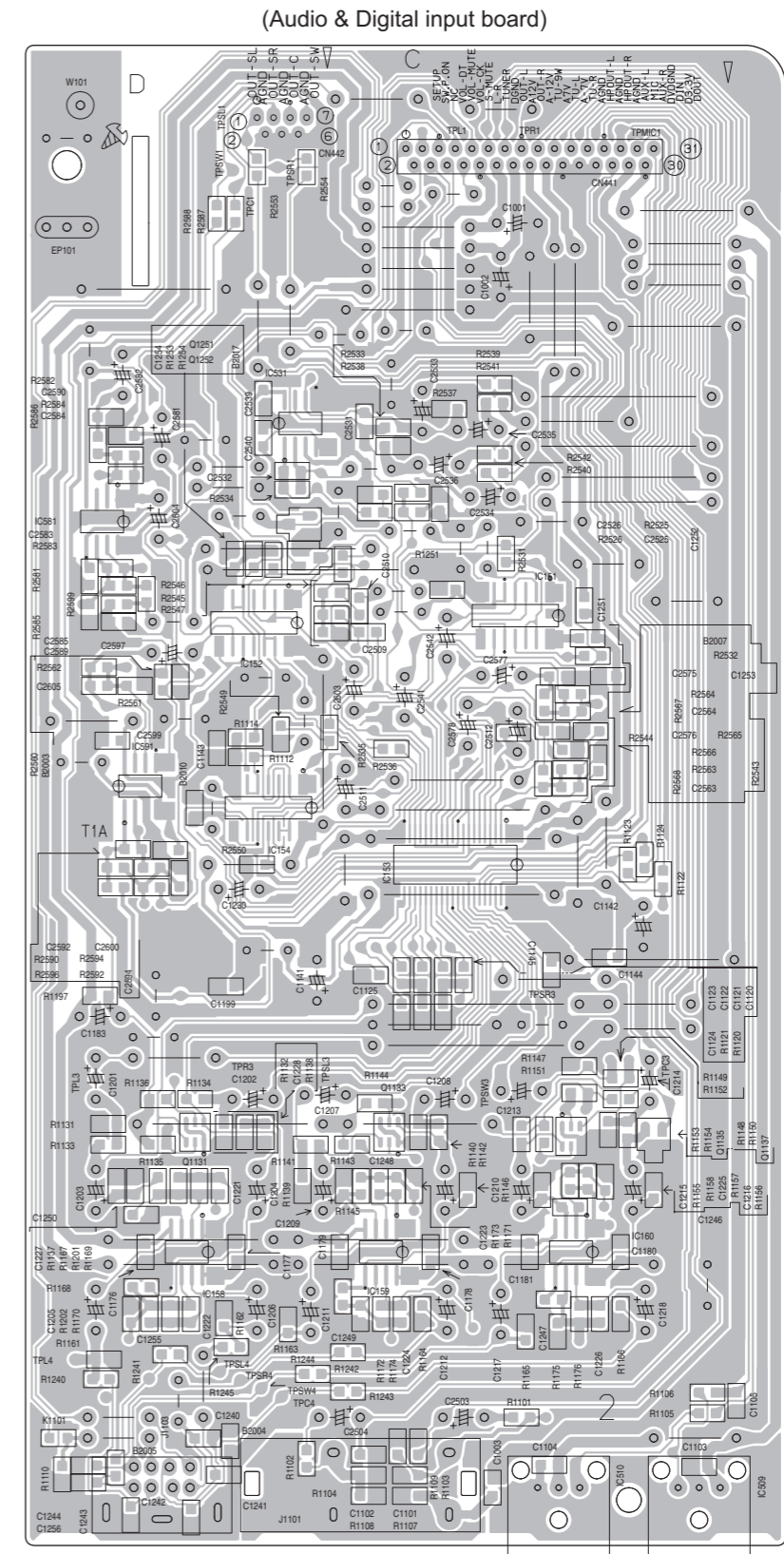




■ **Front board** Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

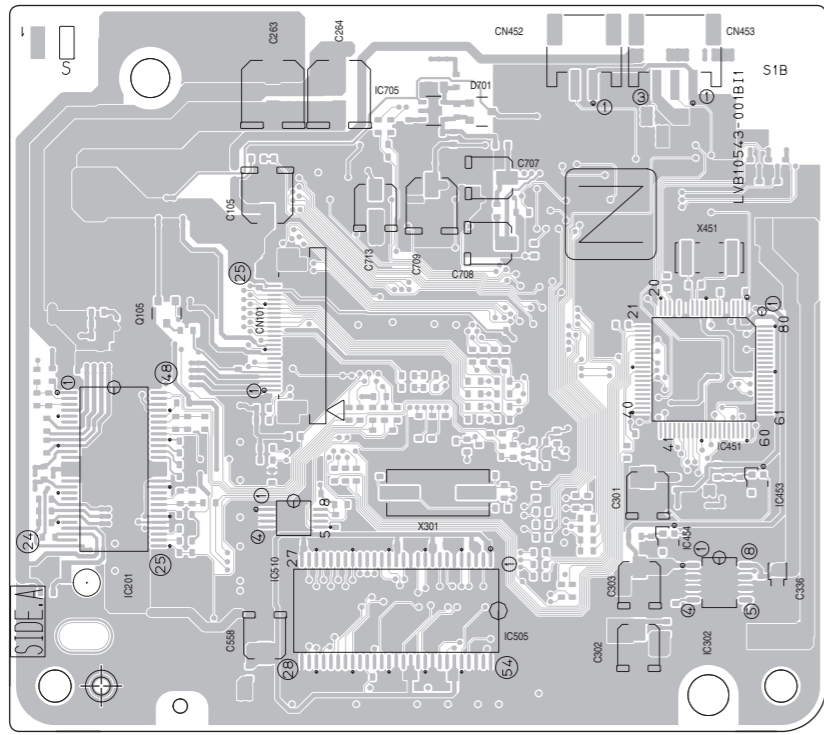


■ **Audio board** Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

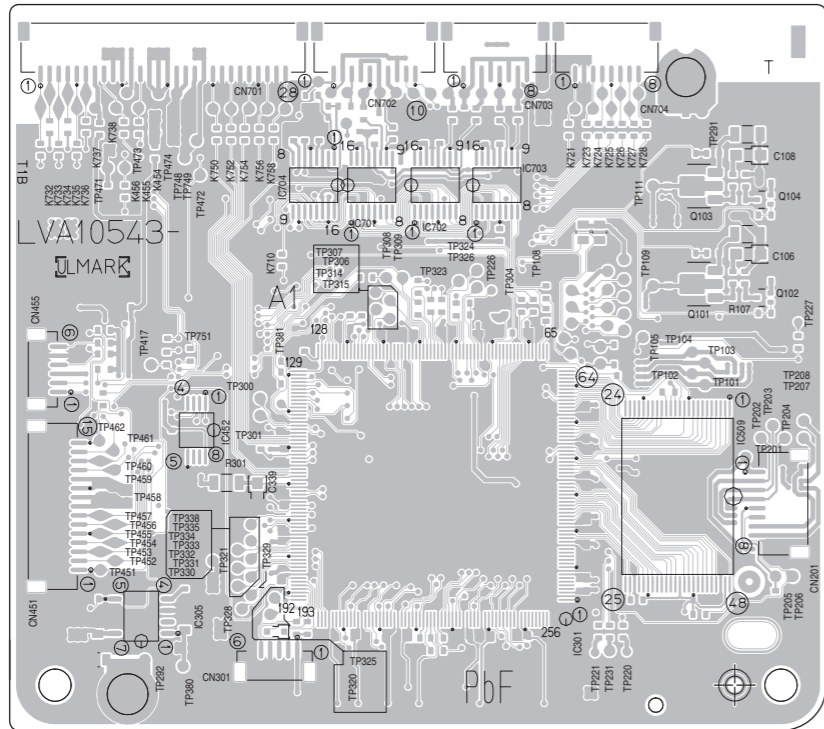


■ DVD servo board Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

Forward side

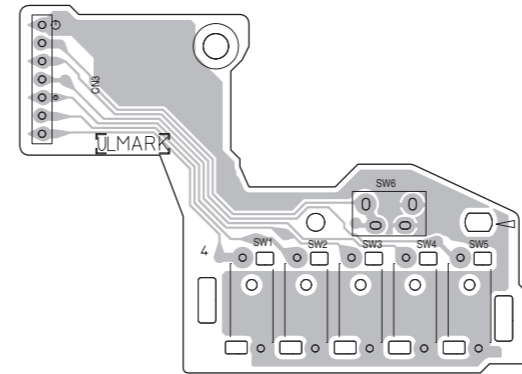
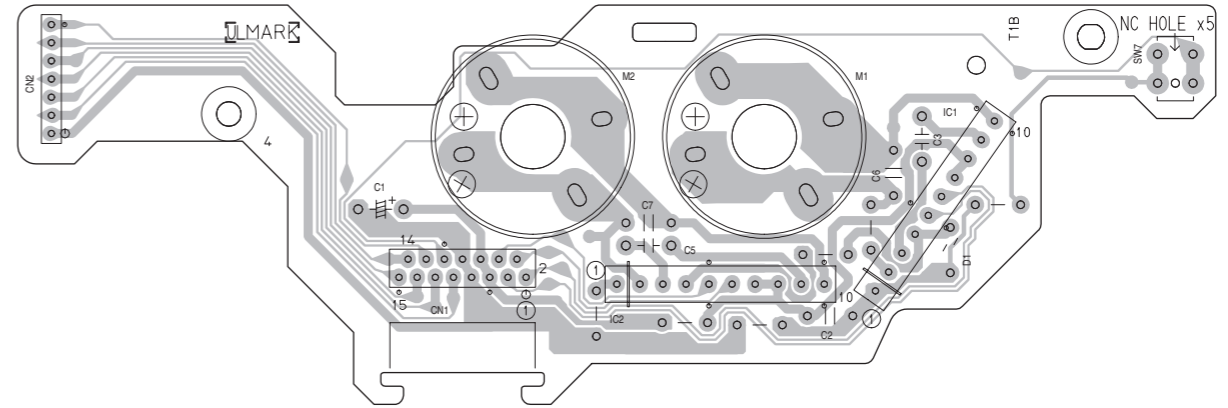


Reverse side

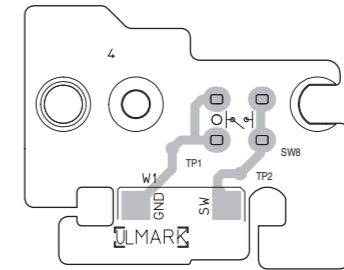


■ Loading board Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

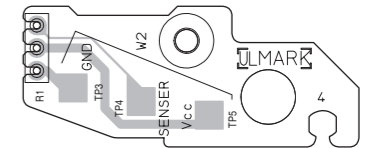
(Motor board)



(Tray switch board)



(Switch board)



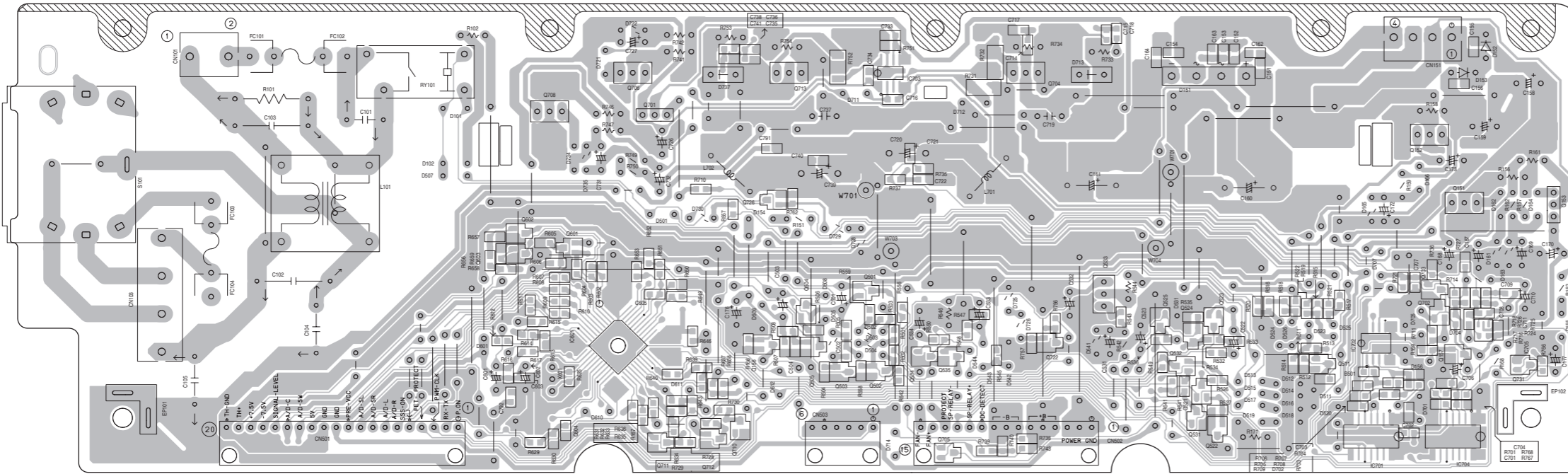
(Sensor board)



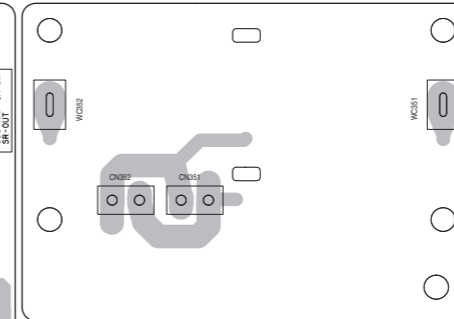
<Subwoofer section>

■ Mother board Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

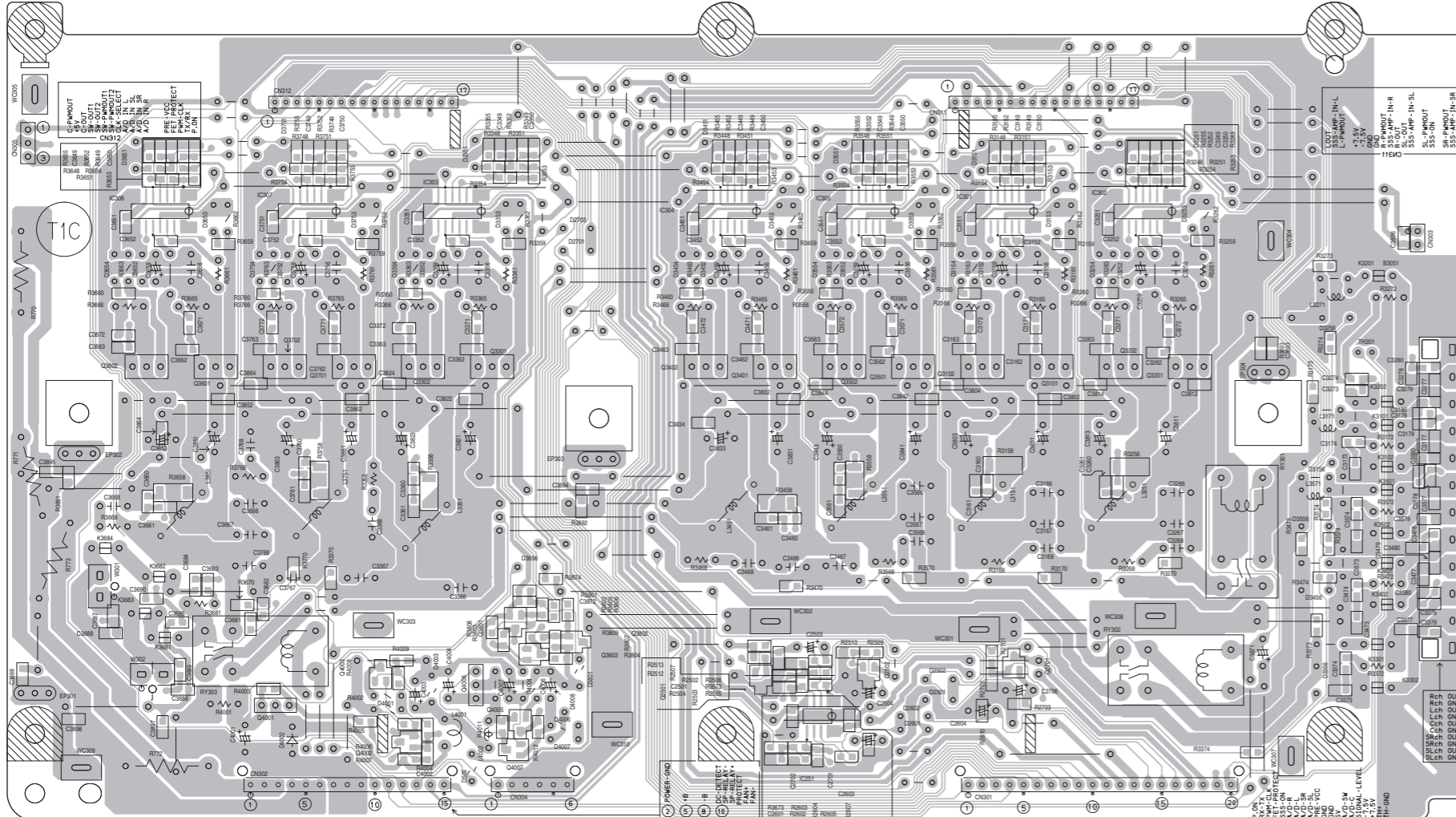
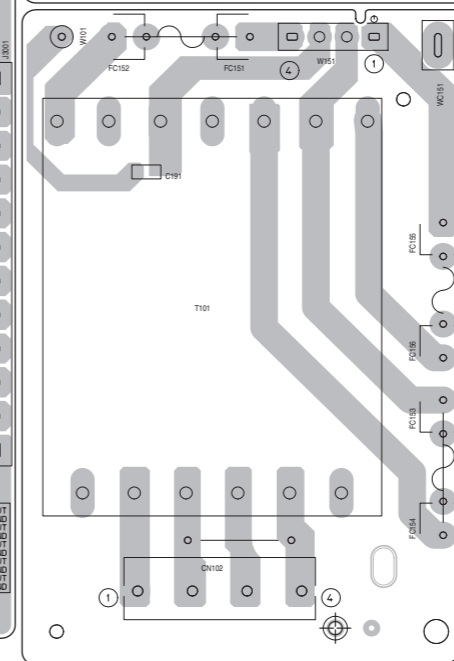
(Power board)



(Ready board)

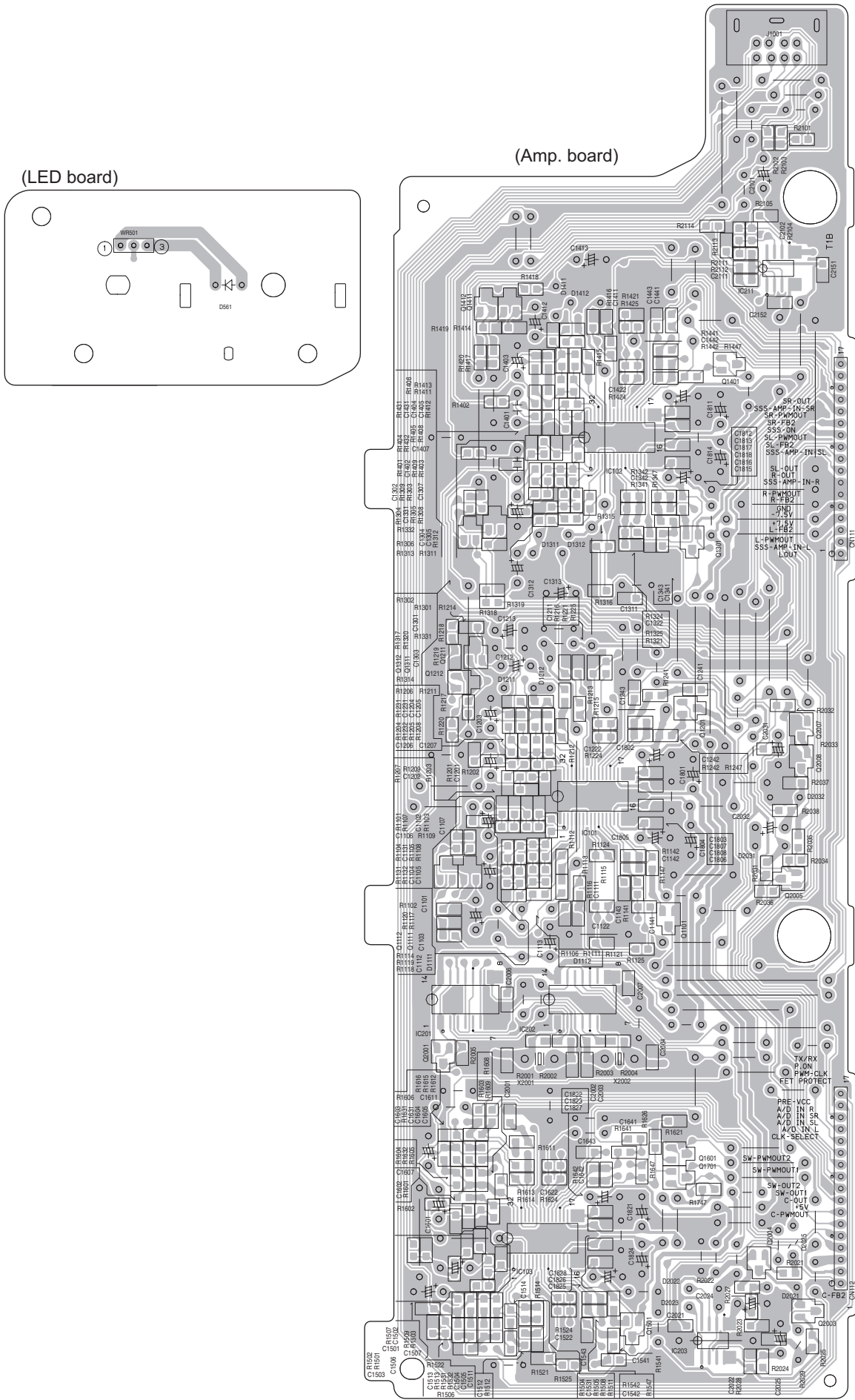


(Trans board)



(Main board)

■ Amplifier board Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)



**JVC**

Victor Company of Japan, Limited

AV & MULTIMEDIA COMPANY AUDIO/VIDEO SYSTEMS CATEGORY 10-1, 1chome, Ohwatari-machi, Maebashi-city, 371-8543, Japan

(No.MB427SCH)



Printed in Japan  
VPT



# PARTS LIST

[ TH-C9 ]

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

## Area suffix

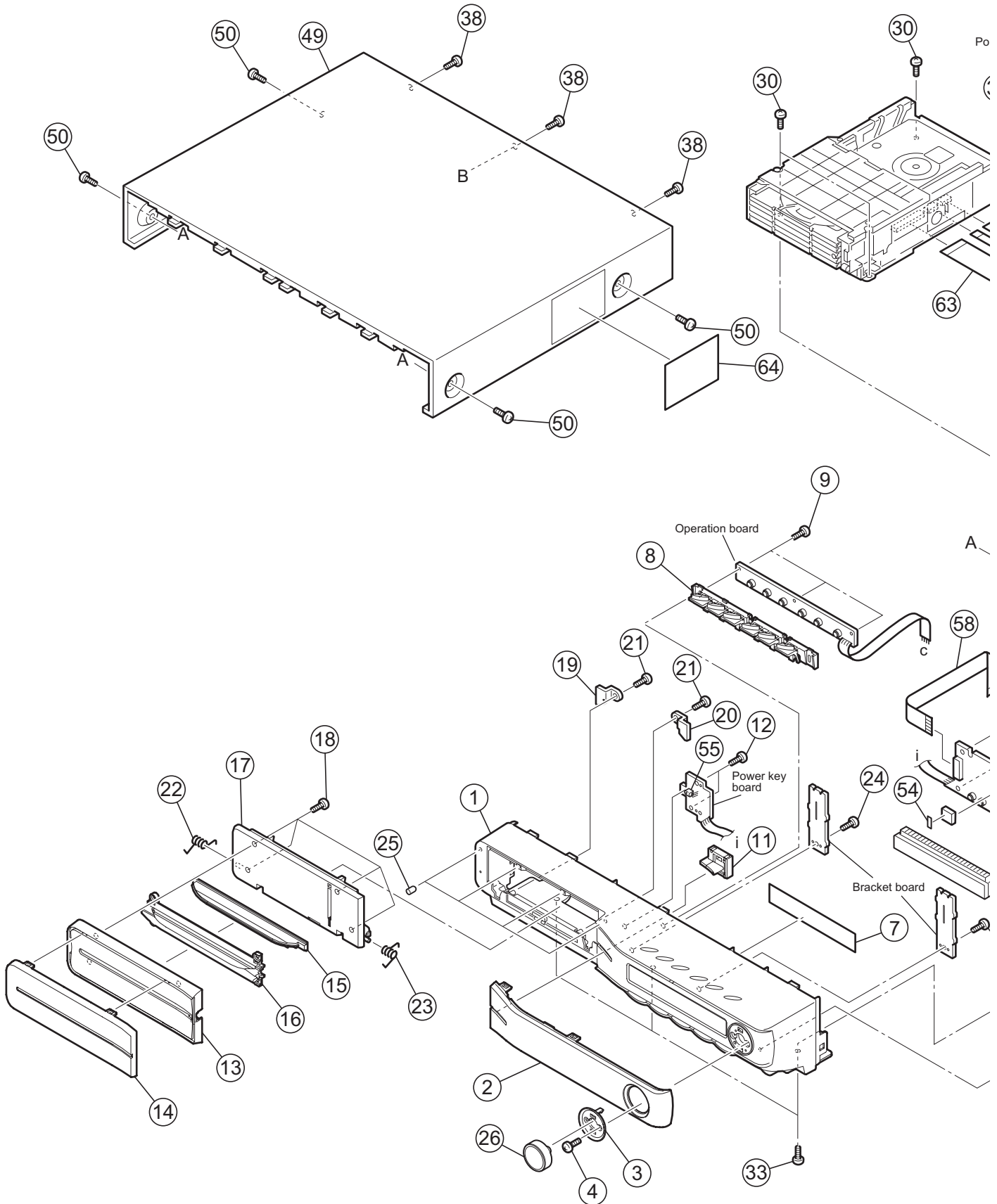
US ----- Singapore  
UT ----- Taiwan  
UX ----- Saudi Arabia  
UG - Turkey, South Africa, Egypt  
UN ----- Asean

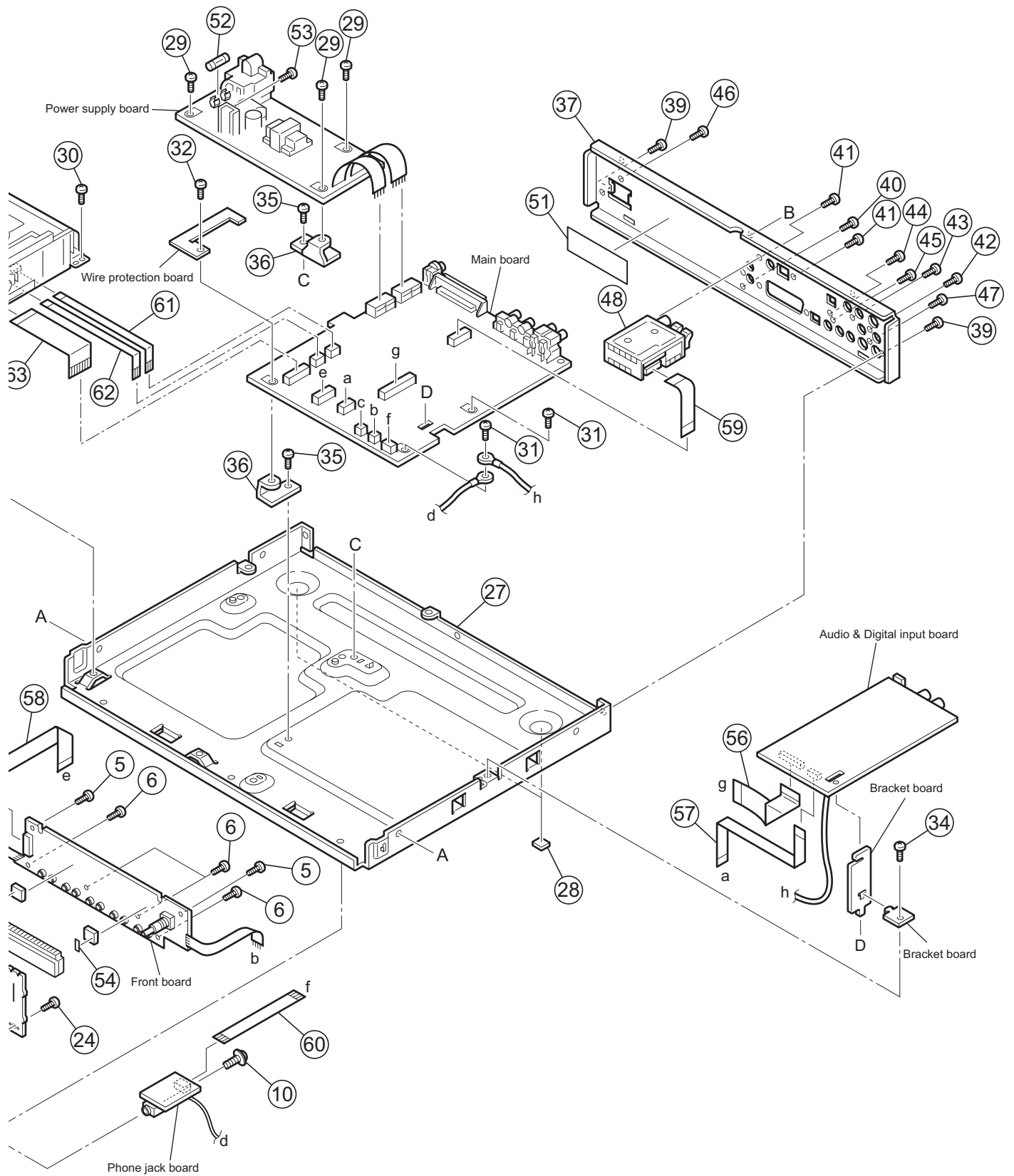
## - Contents -

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Speaker assembly and parts list(Subwoofer) (Block No.M2) .....	3- 5
DVD mechanism assembly and parts list (Block No.MJ) .....	3- 7
DVD changer mechanism assembly and parts list (Block No.MK) .....	3- 9
Electrical parts list (Block No.01~07) .....	3-11
Packing materials and accessories parts list (Block No.M3) .....	3-26

# Exploded view of general assembly and parts list

Block No. **M 1 M M**





# General Assembly

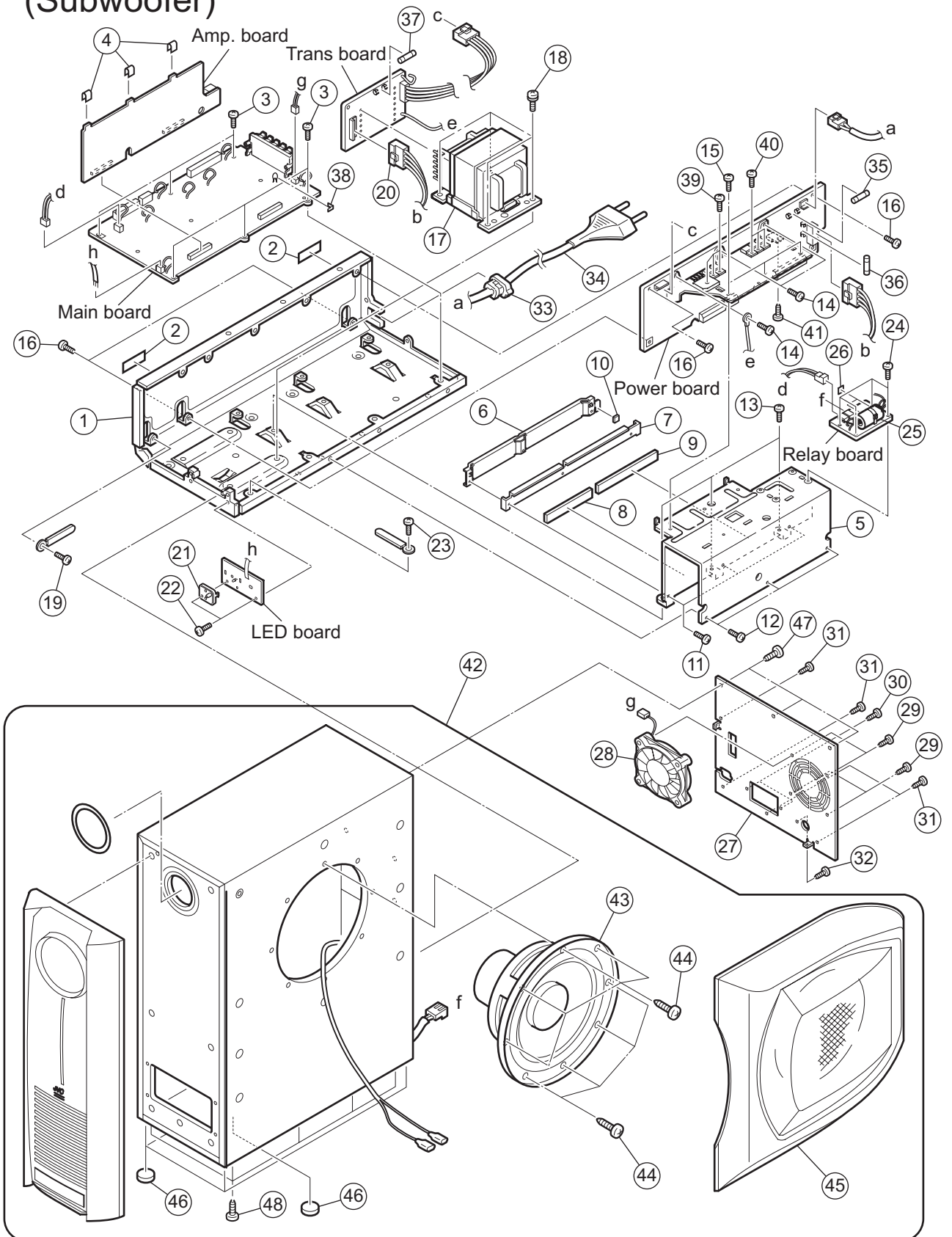
Block No. [M][1][M][M]

△	Symbol No.	Part No.	Part Name	Description	Local
	1	GV10233-002A	FRONT PANEL ASSY		
	2	GV20310-001A	FRONT LENS		
	3	GV30641-002A	VOLUME RING		
	4	QYSDSF2608ZA	TAP SCREW	M2.6 x 8mm	
	5	QYSDSF2608ZA	TAP SCREW	M2.6 x 8mm(x2)	
	6	QYSDSF2608ZA	TAP SCREW	M2.6 x 8mm(x4)	
	7	LV42851-006A	FL SCREEN		
	8	GV20312-001A	BUTTON(TOP)		
	9	QYSDSF2612ZA	TAP SCREW	M2.6 x 12mm(x3)	
	10	GV40035-002A	SCREW		
	11	GV30643-002A	BTN(POWER)ASSY		
	12	QYSDSF2608ZA	TAP SCREW	M2.6 x 8mm(x2)	
	13	GV20313-001A	DVD DOOR		
	14	GV20314-011A	DOOR LENS		
	15	GV30646-001A	ILLUMI.LENS		
	16	GV30647-002A	ORNAMENT(DOOR)		
	17	GV20315-001A	DOOR HOLDER		
	18	QYSDSF2608ZA	TAP SCREW	M2.6 x 8mm(x4)	
	19	LV41694-001A	DOOR BKT(L)		
	20	LV41695-001A	DOOR BKT(R)		
	21	QYSDSF2608ZA	TAP SCREW	M2.6 x 8mm(x2)	
	22	GV40558-001A	DOOR SPRING(L)		
	23	GV40605-001A	DOOR SPRING(R)		
	24	QYSDSF2608ZA	TAP SCREW	M2.6 x 8mm(x2)	
	25	E69897-002	CUSHION	(x4)	
	26	GV30736-002A	VOL.KNOB ASSY		
	27	LV10770-004A	BOTTOM CHASSIS		
	28	LV40301-002A	FELT SPACER	(x2)	
	29	QYSDST3006ZA	TAP SCREW	M3 x 6mm(x3)	
	30	QYSDST3006ZA	TAP SCREW	M3 x 6mm(x4)	
	31	QYSBST3008ZA	TAP SCREW	M3 x 8mm(x2)	
	32	QYSBST3008ZA	TAP SCREW	M3 x 8mm	
	33	QYSDST3006ZA	TAP SCREW	M3 x 6mm(x3)	
	34	QYSDST3006ZA	TAP SCREW	M3 x 6mm	
	35	QYSDST3006ZA	TAP SCREW	M3 x 6mm(x2)	
	36	LV41548-001A-NK	C.B BKT	(x2)	
	37	GV20316-020A	REAR PANEL		UN,US,UT
	37	GV20316-021A	REAR PANEL		UG,UX
	38	QYSBSGY3008MA	TAP SCREW	M3 x 8mm(x3)	
	39	QYSBSGY3008MA	TAP SCREW	M3 x 8mm(x2)	
	40	QYSBSGY3008MA	TAP SCREW	M3 x 8mm	
	41	QYSBSGY3008MA	TAP SCREW	M3 x 8mm(x2)	
	42	QYSBST3006MA	TAP SCREW	M3 x 6mm	
	43	QYSBSGY3008MA	TAP SCREW	M3 x 8mm	
	44	QYSBSGY3008MA	TAP SCREW	M3 x 8mm	
	45	QYSBSGY3008MA	TAP SCREW	M3 x 8mm	
	46	QYSBSGY3008MA	TAP SCREW	M3 x 8mm	
	47	QYSBSGY3008MA	TAP SCREW	M3 x 8mm	
	48	QAU0346-001	TUNER	TU 1	
	49	GV10235-001A/S/	METAL COVER		
	50	QYSDSG3006NA	TAP SCREW	M3 x 6mm(x4)	
	51	LV41843-002A	LASER CAUTION		
△	52	QMF51W2-1R6-J8	FUSE	F 901 1.6A AC250V	
	53	QYSBSE3008ZA	TAP SCREW	M3 x 8mm	
	54	LV30225-0M9A	SPACER	(x2)	
	55	GV40557-001A	LED HOLDER		
	56	QUQH10-3112AJ-E	FFC WIRE	31pin 12cm	
	57	QUQH10-0714AJ-E	FFC WIRE	7pin 14cm	
	58	QUQH12-1320BJ-E	FFC WIRE	13pin 20cm	
	59	QUQH12-1107AJ-E	FFC WIRE	11pin 7cm	
	60	QUQH12-0512AJ-E	FFC WIRE	5pin 12cm	
	61	QUQH10-0817AJ-E	FFC WIRE	8pin 17cm	
	62	QUQH10-1017AJ-E	FFC WIRE	10pin 17cm	
	63	QUQH10-2817AJ-E	FFC WIRE	28pin 17cm	
	64	GV30781-001A	UT LABEL		UT

# Speaker assembly and parts list

Block No. M 2 M M

(Subwoofer)



The parts without symbol number are not service.

# Speaker(Subwoofer)

Block No. [M][2][M][M]

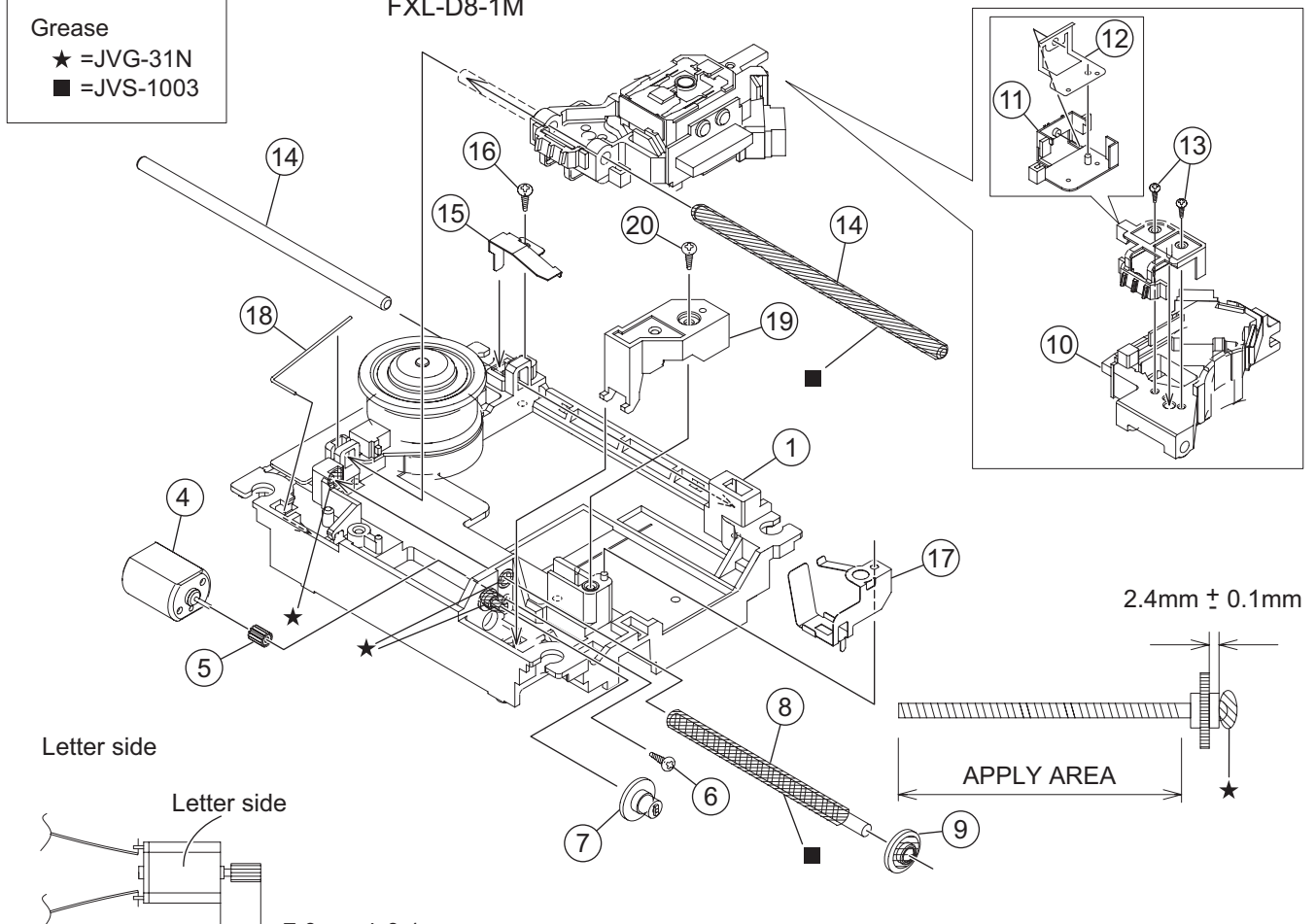
△	Symbol No.	Part No.	Part Name	Description	Local
	1	LV11059-001A	CHASSIS BASE		
	2	LV30225-0T9A	SPACER	(x2)	
	3	QYSBSG3008EA	TAP SCREW	M3 x 8mm(x6)	
	4	LV30225-0U9A	SPACER	(x3)	
	5	LV21942-002A	HIAT SINK		
	6	LV35739-002A	IC BRACKET		
	7	LV36234-001A	H/S BRACKET		
	8	LV44170-001A	COOLING RUBBER		
	9	LV44170-002A	COOLING RUBBER		
	10	LV30227-004A	SPACER		
	11	QYSBSGY3008EA	TAP SCREW	M3 x 8mm(x3)	
	12	QYSBSGY3008EA	TAP SCREW	M3 x 8mm(x3)	
	13	QYSBSGY3008EA	TAP SCREW	M3 x 8mm(x3)	
	14	QYSBSGY3008EA	TAP SCREW	M3 x 8mm(x3)	
	15	QYSBSGY3008EA	TAP SCREW	M3 x 8mm(x3)	
	16	QYSBSG3008EA	TAP SCREW	M3 x 8mm(x4)	
△	17	QQT0483-002	POWER TRANSF	T 101	
	18	QYSDDL4010EA	TAP SCREW	M4 x 10mm(x4)	
	19	QYSBST3008ZA	TAP SCREW	M3 x 8mm	
	20	WJJ0582-001A-E	E-SI C WIRE		
	21	LV43692-002A	LED HOLDER		
	22	QYSBSG3008ZA	TAP SCREW	M3 x 8mm(x2)	
	23	QYSBST3008ZA	TAP SCREW	M3 x 8mm	
	24	QYSBSG3008ZA	TAP SCREW	M3 x 8mm(x4)	
	25	QQR0216-001	NOISE FILTER		
	26	VYSH101-009	SPACER	(x2)	
	27	LV21943-003A	REAR PANEL		
	28	QAR0318-001	FAN MOTOR		
	29	QYSBSGY3008MA	TAP SCREW	M3 x 8mm(x4)	
	30	QYSBSGY3008MA	TAP SCREW	M3 x 8mm(x2)	
	31	QYSBSGY3008MA	TAP SCREW	M3 x 8mm(x4)	
	32	QYSBST3006MA	TAP SCREW	M3 x 6mm	
△	33	QZW0033-001	STRAIN RELIEF		
△	34	QMPK200-200-JD	POWER CORD(EU)	2m BLACK	UG,UN,US,UX
△	34	QMPR600-200-JD	POWER CORD(EU)	2m BLACK	UT
△	35	QMFZ051-8R0-J8	FUSE	F 101 8A	
△	36	QMF51W2-4R0-J8	FUSE	F 102 4A AC250V	
△	37	QMF51W2-1R0-J8	FUSE	F 153 1A AC250V	
	38	LV30227-005A	SPACER		
	39	QYSBSG3008ZA	TAP SCREW	M3 x 8mm(x3)	
	40	QYSBSG3008ZA	TAP SCREW	M3 x 8mm(x3)	
	41	QYSBSG3008ZA	TAP SCREW	M3 x 8mm	
	42	QAS0303-002	SPEAKER BOX		
	43	LE10025-011A	CONE SPK		
	44	7001541606	TAPPING SCREW	(x8)	
	45	LV35797-001A	SIDE PANEL ASSY		
	46	9000007961	FOOT	(x5)	
	47	QYSDSA4016MA	TAP SCREW	(x3)	
	48	QYSDST4014MA	TAP SCREW	(x8)	

# DVD mechanism assembly and parts list

Grease  
 ★ = JVG-31N  
 ■ = JVS-1003

FXL-D8-1M

Block No. M J M M



Letter side

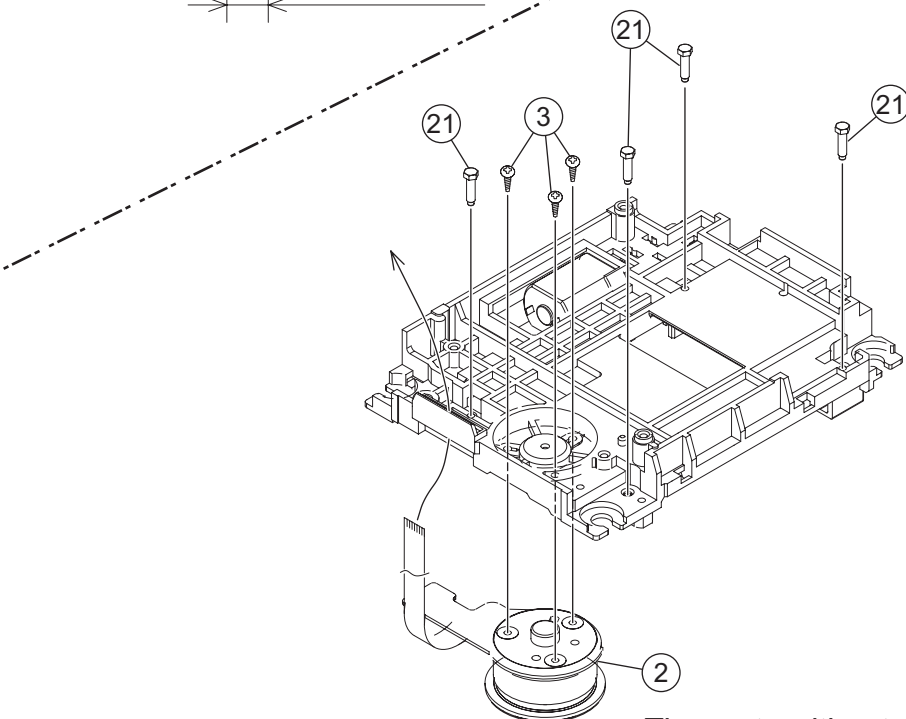
Letter side

7.0mm ± 0.1mm

2.4mm ± 0.1mm

APPLY AREA

Reverse side



The parts without symbol number are not service.

# DVD mechanism

Block No. [M][J][M][M]

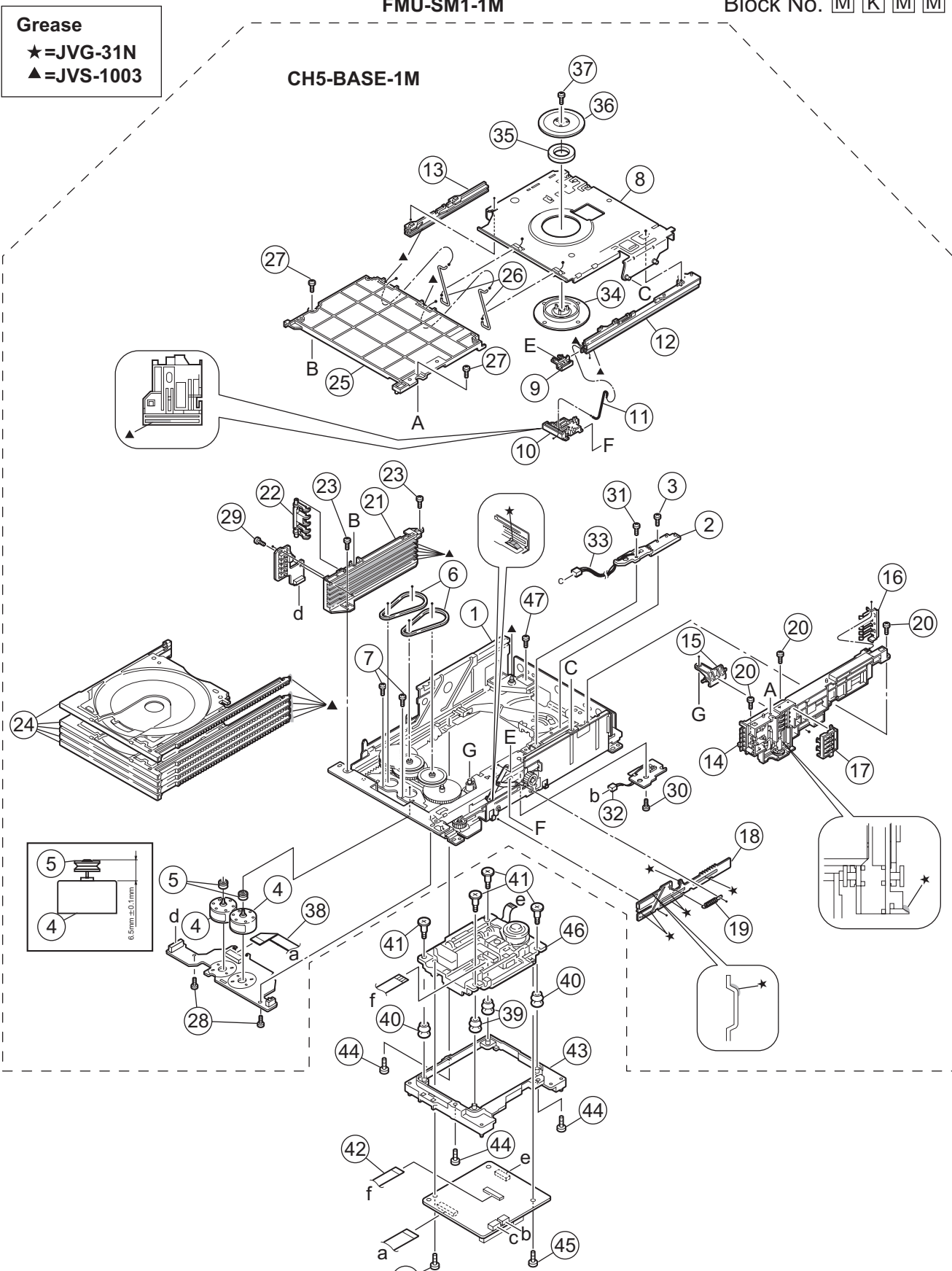
△	Symbol No.	Part No.	Part Name	Description	Local
	1	LV10985-001A	C.TM CHASSIS		
	2	QAR0334-002	S.MOTOR		
	3	QYSPSPU1740ZA	SCREW	M1.7 x 4mm(x3)	
	4	QAR0144-003	MOTOR		
	5	VKS5557-001	F.M. GEAR		
	6	QYSPSPT2025ZA	SCREW	M2 x 2.5mm	
	7	LV35461-002A	MIDDLE GEAR		
	8	LV44040-001A	SCREW SHAFT		
	9	LV35462-001A	SCREW SHAFT GEA		
	10	QAL0667-001	DVD PICK		
	11	LV21869-001A	RACK ARM		
	12	LV35463-001A	RACK ARM SPRING		
	13	QYSPSFU1740ZA	TAP SCREW	M1.7 x 4mm(x2)	
	14	LV44041-001A	GUIDE SHAFT	(x2)	
	15	LV35464-001A	G.SHAFT ADJ.SP		
	16	QYSDSF2005ZA	TAP SCREW	M2 x 5mm	
	17	LV35465-001A	THRUST SPRING		
	18	LV44042-001A	ROD SPRING		
	19	LV35467-001A	FEED BRACKET		
	20	QYSDSF2005ZA	TAP SCREW	M2 x 5mm	
	21	LV44046-001A	ADJUST SCREW	(x4)	



# DVD changer mechanism assembly and parts list

FMU-SM1-1M

Block No. M K M M



The parts without symbol number are not service.

# DVD changer mechanism

Block No. [M][K][M][M]

△	Symbol No.	Part No.	Part Name	Description	Local
	1	LV10913-004A	LOADER ASSY		
	2	QVY0027-B14	S V RESISTOR		
	3	QYSDST2004ZA	TAP SCREW	M2 x 4mm	
	4	QAR0164-001	MOTOR	(x2)	
	5	LV42340-001A	MOTOR PULLEY	(x2)	
	6	LV41431-002A	BELT	(x2)	
	7	QYSPSPU1725NA	SCREW	M1.7 x 2.5mm(x2)	
	8	LV33965-004A	LIFTER ASSY		
	9	LV33963-001A	HOOK		
	10	LV33964-002A	HOOK STOPPER		
	11	LV43285-001A	ROD (L)		
	12	LV21408-002A	RAIL(R)		
	13	LV21409-002A	RAIL(L)		
	14	LV21520-004A	SIDE(R) ASSY		
	15	LV33974-002A	SELECT LEVER		
	16	LV33977-002A	CLICK SPRING		
	17	LV33975-001A	GEAR COVER		
	18	LV33976-002A	ELEVATOR CAM		
	19	LV43287-001A	ELEVATOR SPRING		
	20	QYSDST2605ZA	TAP SCREW	M2.6 x 5mm(x3)	
	21	LV10749-002A	SIDE(L)		
	22	LV33980-002A	OPEN DET.LEVER		
	23	QYSDST2605ZA	TAP SCREW	M2.6 x 5mm(x2)	
	24	LV10746-006A	TRAY ASSY	(x5)	
	25	LV10750-003A	TOP COVER		
	26	LV43289-003A	ROD	(x2)	
	27	QYSDSF2608ZA	TAP SCREW	M2.6 x 8mm(x2)	
	28	QYSDST2605ZA	TAP SCREW	M2.6 x 5mm(x2)	
	29	QYSDSF2608ZA	TAP SCREW	M2.6 x 8mm	
	30	QYSDST2605ZA	TAP SCREW	M2.6 x 5mm	
	31	QYSDST2004ZA	TAP SCREW	M2 x 4mm	
	32	WJM0330-002A-E	E-SI C WIRE C-F		
	33	WJM0331-001A-E	E-SI C WIRE C-F		
	34	LV32417-001A	CLAMPER		
	35	LV42930-003A	P.C.MAGNET		
	36	LV33992-001A	DVD YOKE		
	37	LV41741-003A	SPECIAL SCREW		
	38	QUQ110-1508BJ	FFC WIRE	15pin 8cm	
	39	LV44043-002A	INSULATOR	(x2)	
	40	LV44043-003A	INSULATOR	(x2)	
	41	LV44045-001A	SPECIAL SCREW	(x4)	
	42	LV44092-002A	PICK FFC		
	43	LV10986-001A	TRAMECHA HOLDER		
	44	QYSDST2605ZA	TAP SCREW	M2.6 x 5mm(x3)	
	45	LV44209-001A	WASHER SCREW	(x2)	
	46	-----	DVD TRAMECHA		
	47	QYSDST2605ZA	SCREW	M2.6 x 5 mm	

# Electrical parts list

## Main board

Block No. [0][1]

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
	IC411	MM1233XF-X	IC		D4831	1SS133-T2	SI DIODE		
	IC431	BH7868FS-X	IC		D4832	1SS133-T2	SI DIODE		
	IC471	MN101C49GFW	IC		D4833	1SS133-T2	SI DIODE		
	IC472	S-80840CNNB-G-W	IC		D4834	1SS133-T2	SI DIODE		
	IC473	SN74HCT32NS-X	IC(DIGITAL)		D4835	MTZJ6.8A-T2	Z DIODE		
	IC475	RC4558D-X	IC		D4841	MTZJ2.0A-T2	Z DIODE		
	IC476	RC4558D-X	IC		D4842	MTZJ3.3A-T2	Z DIODE		
	IC477	BR24L08F-W-X	IC(DIGITAL)		D4921	MTZJ8.2C-T2	Z DIODE		
	IC478	RC4558D-X	IC		D4922	1SS133-T2	SI DIODE		
	IC491	KIA7805API	IC		D4931	MTZJ8.2C-T2	Z DIODE		
	IC601	RC4558D-X	IC		D4932	1SS133-T2	SI DIODE		
△	IC901	STR-G6651	IC		D4961	MTZJ4.7A-T2	Z DIODE		
	IC951	PQ05RD21SSJH	IC		D4962	1SS133-T2	SI DIODE		
					D4963	1SS133-T2	SI DIODE		
					△ PC901	PC123Y22FZ	PHOTO COUPLER		
					△ PC902	PC123Y22FZ	PHOTO COUPLER		
	Q951	2SC3576-JVC-T	TRANSISTOR		△ C902	QFZ9075-683	MPP CAPACITOR	0.068uF AC275V M	
	Q953	KTA1267/YG/-T	TRANSISTOR		△ C904	QCZ9079-102	C CAPACITOR	1000pF AC250V M	
	Q954	SI2305DS-X	TRANSISTOR		△ C905	QCZ9079-102	C CAPACITOR	1000pF AC250V M	
	Q955	KRC103S-X	DIGITAL TR		△ C907	QETM2GM-107	E CAPACITOR	100uF 400V M	
	Q958	KTA1271/OY/-T	TRANSISTOR		C908	QCZ0136-332Z	C CAPACITOR	3300pF 1kV K	
	Q959	KRC103S-X	DIGITAL TR		C909	QCZ0136-101Z	C CAPACITOR	100pF 1kV K	
	Q960	KTA1504/YG/-X	SI TRANSISTOR		C910	QCBB1HK-221Y	C CAPACITOR	220pF 50V K	
	Q961	KTC3203/OY/-T	TRANSISTOR		C913	QCZ0136-101Z	C CAPACITOR	100pF 1kV K	
	Q991	KTC3875/YG/-X	SI TRANSISTOR		C914	QEZO532-396Z	E CAPACITOR	39uF 25V M	
	Q4091	KTA1271/OY/-T	TRANSISTOR		C915	QCBB1HK-471Y	C CAPACITOR	470pF 50V K	
	Q4092	KTC3875/YG/-X	SI TRANSISTOR		△ C916	QCZ9079-222	C CAPACITOR	2200pF AC250V M	
	Q4701	KRC111S-X	TRANSISTOR		C918	QCFB1HZ-104Y	C CAPACITOR	0.1uF 50V Z	
	Q4702	KRC107S-X	DIGI TRANSISTOR		C951	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
	Q4801	KTA1504/YG/-X	SI TRANSISTOR		C952	QCZ0136-101Z	C CAPACITOR	100pF 50V K	
	Q4802	KRC102S-X	DIGI TRANSISTOR		C953	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
	Q4811	KRA102S-X	DIGI TRANSISTOR		C954	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
	Q4812	KRC102S-X	DIGI TRANSISTOR		C956	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
	Q4821	KRC102S-X	DIGI TRANSISTOR		C957	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
	Q4831	KRC102S-X	DIGI TRANSISTOR		C960	QEZO529-826Z	E CAPACITOR	82uF 10V M	
	Q4832	KRA110S-X	TRANSISTOR		C961	QCZ0202-155Z	C CAPACITOR	1.5uF 25V Z	
	Q4833	KRC110S-X	DIGI TRANSISTOR		C962	QEKC1HM-226Z	E CAPACITOR	22uF 50V M	
	Q4921	KTC3203/OY/-T	TRANSISTOR		C963	QEZO533-396Z	E CAPACITOR	39uF 50V M	
	Q4931	KTA1271/OY/-T	TRANSISTOR		C964	QETN1HM-226Z	E CAPACITOR	22uF 50V M	
	Q4954	2SA1362/G/-X	TRANSISTOR		C965	QEZO528-108	E CAPACITOR	1000uF 10V M	
	Q4955	KRC102S-X	DIGI TRANSISTOR		C966	QETN1AM-477Z	E CAPACITOR	470uF 10V M	
	Q4961	KTC3203/OY/-T	TRANSISTOR		C967	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
	Q4971	2SC3661-X	TRANSISTOR		C968	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
	Q4972	2SC3661-X	TRANSISTOR		C969	QETN1AM-227Z	E CAPACITOR	220uF 10V M	
	Q4973	KRA104S-X	DIGI TRANSISTOR		C979	QEZO530-827	E CAPACITOR	820uF 16V M	
					C981	QCZ0202-155Z	C CAPACITOR	1.5uF 25V Z	
△	D901	DI106	BRIDGE DIODE		C982	QEZO531-567	E CAPACITOR	560uF 25V M	
	D902	10ERB40-T1	FR DIODE		C984	QEKC1CM-227Z	E CAPACITOR	220uF 16V M	
	D903	10ERB40-T1	FR DIODE		C985	QETN1EM-107Z	E CAPACITOR	100uF 25V M	
	D904	10ERB40-T1	FR DIODE		C986	QETN1EM-107Z	E CAPACITOR	100uF 25V M	
	D908	10ERB40-T1	FR DIODE		C987	QEZO532-187Z	E CAPACITOR	180uF 25V M	
	D910	10ERB40-T1	FR DIODE		C989	QEKC1CM-107Z	E CAPACITOR	100uF 16V M	
	D911	FR104S-T5	FR DIODE		C992	QETN1HM-474Z	E CAPACITOR	0.47uF 50V M	
	D950	MTZJ2C-T2	Z DIODE		C993	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
	D951	FR104S-T5	FR DIODE		C994	QCBB1HK-223Y	C CAPACITOR	0.022uF 50V K	
	D952	FR104S-T5	FR DIODE		C997	QETN1CM-227Z	E CAPACITOR	220uF 16V M	
△	D953	SB340-F82	FUSEIODE		C4006	QCZ0202-155Z	C CAPACITOR	1.5uF 25V Z	
△	D954	FR104S-T5	FR DIODE		C4011	NCB31HK-822X	C CAPACITOR	8200pF 50V K	
△	D956	FR104S-T5	FR DIODE		C4012	NCB31HK-822X	C CAPACITOR	8200pF 50V K	
△	D957	FR104S-T5	FR DIODE		C4091	QETN1HM-226Z	E CAPACITOR	22uF 50V M	
	D958	1SS133-T2	SI DIODE		C4092	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
	D960	MTZJ2.2A-T2	S.B.DIODE		C4101	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
△	D970	ER204-F33	FR DIODE		C4111	QFLC1HJ-103Z	M CAPACITOR	0.01uF 50V J	
	D991	MTZJ5.1B-T2	Z DIODE		C4121	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
△	D999	1N4003S-T5	SI DIODE		C4171	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
	D4091	1SS133-T2	SI DIODE		C4172	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
	D4092	MTZJ6.8A-T2	Z DIODE		C4173	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
	D4703	MTZJ4.7B-T2	Z DIODE		C4191	QETN1VM-476Z	E CAPACITOR	47uF 35V M	
	D4704	1SS133-T2	SI DIODE		C4192	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
	D4706	1SS133-T2	SI DIODE		C4301	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
	D4707	1SS133-T2	SI DIODE		C4311	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
	D4708	1SS133-T2	SI DIODE		C4321	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
	D4709	1SS133-T2	SI DIODE		C4331	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
	D4811	1SS133-T2	SI DIODE		C4341	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
C4351	NCB30JK-105X	C CAPACITOR	1uF 6.3V K		C6615	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C4391	QETN1AM-477Z	E CAPACITOR	470uF 10V M		C6616	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C4392	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C6617	NCB31HK-471X	C CAPACITOR	470pF 50V K	
C4394	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C6618	NCB31HK-471X	C CAPACITOR	470pF 50V K	
C4395	QETN1HM-226Z	E CAPACITOR	22uF 50V M		C6901	QETN1VM-476Z	E CAPACITOR	47uF 35V M	
C4401	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M		C6902	QETN1VM-476Z	E CAPACITOR	47uF 35V M	
C4411	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R901	QRL01DJ-683X	OMF RESISTOR	68kΩ 1W J	
C4421	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M		R903	QRE141J-270Y	C RESISTOR	27Ω 1/4W J	
C4431	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M		R904	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J	
C4441	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M		R905	QRL027J-683	OMF RESISTOR	68kΩ 2W J	
C4451	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M		R906	QRJ146J-681X	UNF C RESISTOR	680Ω 1/4W J	
C4605	NCB31HK-471X	C CAPACITOR	470pF 50V K		R907	QRT027J-R47	MF RESISTOR	0.47Ω 2W J	
C4606	NCB31HK-471X	C CAPACITOR	470pF 50V K		R908	QRE141J-332Y	C RESISTOR	3.3kΩ 1/4W J	
C4702	QETN0JM-227Z	E CAPACITOR	220uF 6.3V M		R910	QRE141J-474Y	C RESISTOR	470kΩ 1/4W J	
C4703	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M		R911	QRE141J-474Y	C RESISTOR	470kΩ 1/4W J	
C4704	NCB31CK-223X	C CAPACITOR	0.022uF 16V K		R951	QRE141J-150Y	C RESISTOR	15Ω 1/4W J	
C4705	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R952	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C4706	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R953	NRSA02J-223X	MG RESISTOR	22kΩ 1/10W J	
C4707	QETN1CM-107Z	E CAPACITOR	100uF 16V M		△ R954	QRZ9005-100X	FUSI RESISTOR	10Ω	
C4708	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R955	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
C4709	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R960	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
C4710	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R961	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
C4711	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M		R963	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
C4712	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R964	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
C4713	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R965	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C4714	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R966	NRSA02J-221X	MG RESISTOR	220Ω 1/10W J	
C4715	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R969	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
C4718	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R980	NRSA63J-512X	MG RESISTOR	5.1kΩ 1/16W J	
C4719	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R981	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
C4720	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R983	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C4721	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R984	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
C4771	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R985	NRSA02J-132X	MG RESISTOR	1.3kΩ 1/10W J	
C4772	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R986	NRSA02J-152X	MG RESISTOR	1.5kΩ 1/10W J	
C4773	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R987	NRSA02J-152X	MG RESISTOR	1.5kΩ 1/10W J	
C4774	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R988	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
C4801	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M		R989	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
C4901	QETN1CM-107Z	E CAPACITOR	100uF 16V M		R990	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
C4902	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R4011	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C4903	QETN1CM-107Z	E CAPACITOR	100uF 16V M		R4012	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C4904	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R4013	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
C4921	QETN1VM-476Z	E CAPACITOR	47uF 35V M		R4014	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
C4922	QETN1CM-107Z	E CAPACITOR	100uF 16V M		R4091	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
C4931	QETN1VM-476Z	E CAPACITOR	47uF 35V M		R4092	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C4932	QETN1CM-107Z	E CAPACITOR	100uF 16V M		R4093	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
C4961	QETN1CM-107Z	E CAPACITOR	100uF 16V M		R4101	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
C6001	NCB31CK-223X	C CAPACITOR	0.022uF 16V K		R4111	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
C6002	NCB31CK-223X	C CAPACITOR	0.022uF 16V K		R4121	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
C6003	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R4191	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C6004	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R4201	NRSA63J-511X	MG RESISTOR	510Ω 1/16W J	
C6101	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M		R4202	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
C6102	NDC31HJ-101X	C CAPACITOR	100pF 50V J		R4211	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
C6103	QETN1HM-476Z	E CAPACITOR	47uF 50V M		R4212	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
C6104	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R4231	NRSA63J-511X	MG RESISTOR	510Ω 1/16W J	
C6105	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R4232	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
C6201	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M		R4241	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
C6202	NDC31HJ-101X	C CAPACITOR	100pF 50V J		R4242	NRSA63J-121X	MG RESISTOR	120Ω 1/16W J	
C6203	QETN1HM-476Z	E CAPACITOR	47uF 50V M		R4251	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
C6204	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R4252	NRSA63J-121X	MG RESISTOR	120Ω 1/16W J	
C6205	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R4401	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
C6501	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M		R4411	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
C6502	NCS31HJ-560X	C CAPACITOR	56pF 50V J		R4421	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
C6503	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M		R4431	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
C6511	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M		R4441	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
C6512	NDC31HJ-560X	C CAPACITOR	56pF 50V J		R4451	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
C6513	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M		R4605	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
C6514	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R4606	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
C6515	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R4703	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C6516	NDC31HJ-560X	C CAPACITOR	56pF 50V J		R4704	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C6517	NCB31HK-471X	C CAPACITOR	470pF 50V K		R4705	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
C6518	NCB31HK-471X	C CAPACITOR	470pF 50V K		R4706	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
C6601	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M		R4707	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C6602	NDC31HJ-560X	C CAPACITOR	56pF 50V J		R4709	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
C6603	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M		R4710	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
C6611	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M		R4711	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
C6612	NDC31HJ-560X	C CAPACITOR	56pF 50V J		R4712	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
C6613	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M		R4713	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
C6614	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R4751	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	

UG,UN,US,UX

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
R4752	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	UN,US,UT	R6205	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R4752	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	UG,UX	R6206	QRE141J-330Y	C RESISTOR	33Ω 1/4W J	
R4753	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R6207	QRE141J-390Y	C RESISTOR	39Ω 1/4W J	
R4754	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R6302	QRE141J-271Y	C RESISTOR	270Ω 1/4W J	
R4755	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R6303	QRE141J-271Y	C RESISTOR	270Ω 1/4W J	
R4756	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R6304	QRE141J-271Y	C RESISTOR	270Ω 1/4W J	
R4757	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R6305	QRE141J-271Y	C RESISTOR	270Ω 1/4W J	
R4758	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R6501	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R4760	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		R6502	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4761	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R6503	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R4762	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R6505	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4763	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J		R6506	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4771	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R6507	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4772	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R6508	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R4773	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R6509	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R4774	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	UT	R6510	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R4775	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J		R6511	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R4776	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J		R6512	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4777	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R6513	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R4778	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R6514	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4781	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R6515	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R4782	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R6516	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4783	QRE141J-151Y	C RESISTOR	150Ω 1/4W J		R6517	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R4784	QRE141J-151Y	C RESISTOR	150Ω 1/4W J		R6518	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R4785	QRE141J-151Y	C RESISTOR	150Ω 1/4W J		R6601	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R4786	QRE141J-151Y	C RESISTOR	150Ω 1/4W J		R6602	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4791	NRSA02J-221X	MG RESISTOR	220Ω 1/10W J		R6603	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R4801	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J		R6605	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4802	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J		R6606	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
△ R4811	QRZ9006-4R7X	F.RESISTOR	4.7Ω 1/4W J		R6607	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4821	QRE141J-181Y	C RESISTOR	180Ω 1/4W J		R6608	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R4822	QRE141J-151Y	C RESISTOR	150Ω 1/4W J		R6609	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R4831	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J		R6610	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R4832	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J		R6611	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R4833	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J		R6612	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4834	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J		R6613	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R4835	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J		R6614	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4841	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J		R6615	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R4842	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R6616	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4843	QRT017J-2R2	MF RESISTOR	2.2Ω 1W J		R6617	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R4844	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R6618	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R4845	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J						
R4861	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		△ L901	QQR0816-001	LINE FILTER		UT
R4863	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		△ L901	QQR1105-001	LINE FILTER		UG,UN,US,UX
R4864	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		L951	QQL244K-R22Z	COIL	0.22uH K	
R4866	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J		L952	QQL44BK-220Z	COIL	22uH K	
R4871	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J		L955	QQL26AK-220Z	COIL	22uH K	
R4872	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J		L957	QQL244K-100Z	COIL	10uH K	
R4873	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J		L959	QQL244K-100Z	COIL	10uH K	
R4875	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J		L4391	QQL25CK-221Z	COIL	220uH K	
R4876	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J		△ T901	QQS0097-001	SW TRANSF		
R4881	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J						
R4883	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J		CN401	QGF1036C1-10	CONNECTOR	FFC/FPC (1-10)	
R4884	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J		CN402	QGF1036C1-08	CONNECTOR	FFC/FPC (1-8)	
R4886	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J		CN403	QGF1036C1-28	CONNECTOR	FFC/FPC (1-28)	
△ R4921	QRZ9005-100X	FUSI RESISTOR	10Ω		CN404	QGD2504C1-05Z	CONNECTOR	(1-5)	
R4922	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		CN405	QGD2504C1-05Z	CONNECTOR	(1-5)	
△ R4931	QRZ9005-100X	FUSI RESISTOR	10Ω		CN406	QGD2504C1-04Z	CONNECTOR	(1-4)	
R4932	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		CN407	QGD2504C1-05Z	CONNECTOR	(1-5)	
R4961	QRE141J-271Y	C RESISTOR	270Ω 1/4W J		CN410	QGF1205C1-11	CONNECTOR	FFC/FPC (1-11)	
R4971	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		CN411	QGF1036C1-31	CONNECTOR	FFC/FPC (1-31)	
R4972	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J		CN412	QGF1036C1-07	CONNECTOR	FFC/FPC (1-7)	
R4973	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		CN450	QGF1205C1-13	CONNECTOR	FFC/FPC (1-13)	
R4974	NRSA63J-184X	MG RESISTOR	180kΩ 1/16W J		CN456	QGD2504C1-04Z	CONNECTOR	(1-4)	
R4975	NRSA63J-184X	MG RESISTOR	180kΩ 1/16W J		CN457	QGD2504C1-03Z	CONNECTOR	(1-3)	
R4990	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		CN460	QGF1205C1-05	CONNECTOR	FFC/FPC (1-5)	
R4997	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		CN470	QGF1205C1-05	CONNECTOR	FFC/FPC (1-5)	
R4998	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		CN701	QGF1205F1-05	CONNECTOR	FFC/FPC (1-5)	
R6001	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		△ CP951	ICP-N10-T	IC PROTECTOR	400mA	
R6101	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J		△ CP999	ICP-N10-T	IC PROTECTOR	400mA	
R6102	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		EP401	QNZ0136-001Z	EARTH PLATE		
R6103	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J		EP402	QNZ0136-001Z	EARTH PLATE		
R6105	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		EP403	QNZ0136-001Z	EARTH PLATE		
R6106	QRE141J-330Y	C RESISTOR	33Ω 1/4W J		EP901	QNZ0136-001Z	EARTH PLATE		
R6107	QRE141J-390Y	C RESISTOR	39Ω 1/4W J		EP902	QNZ0136-001Z	EARTH PLATE		
R6201	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J		FC901	QNG0003-001Z	FUSE CLIP		
R6202	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		FC902	QNG0003-001Z	FUSE CLIP		
R6203	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J		FW901	QUM219-06DGZ4-E	PARA RIBON WIR		

Symbol No.	Part No.	Part Name	Description	Local
FW902	QUM21A-06DGZ4-E	PARA RIBON WIR		
HS901	GV40606-002A	HEAT SINK		
J4401	QNN0570-001	PIN JACK		
J4402	QNN0572-001	PIN JACK		
J6001	QNS0170-001	HEADPHONE JACK		
K4702	QQR0621-001Z	FERRITE BEADS		
K6001	NQR0007-002X	FERRITE BEADS		
K6002	NQR0007-002X	FERRITE BEADS		
K6003	NQR0007-002X	FERRITE BEADS		
K6004	NQR0007-002X	FERRITE BEADS		
△ P901	QNC0081-001	AC INLET		
X4701	QAX0246-001Z	C RESONATOR	8.00MHz	

Symbol No.	Part No.	Part Name	Description	Local
S532	QSW0825-001Z	TACT SW		
S533	QSW0825-001Z	TACT SW		
S534	QSW0825-001Z	TACT SW		
S535	QSW0825-001Z	TACT SW		
S536	QSW0825-001Z	TACT SW		
S537	QSW0825-001Z	TACT SW		
S538	QSW0825-001Z	TACT SW		
S539	QSW0825-001Z	TACT SW		
S540	QSW0825-001Z	TACT SW		

## Audio board

Block No. [0][3]

## Front board

Block No. [0][2]

Symbol No.	Part No.	Part Name	Description	Local
IC501	PT6315	IC		
IC511	GP1UM271XKVF	IR DETECT UNIT		
Q503	KRC102S-X	DIGI TRANSISTOR		
D511	SLR-343VC/NPQ-T	LED		
D551	SELU2E10C-P	LED		
C506	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C507	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C511	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C515	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C541	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C542	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
R501	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R502	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R503	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R505	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R506	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R511	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R521	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R522	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R526	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R527	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R528	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R531	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R532	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R533	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R534	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R536	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R537	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R538	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R539	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R541	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R542	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R552	NRSA63J-121X	MG RESISTOR	120Ω 1/16W J	
BK501	LV43659-001A	FL HOLDER		
BK502	LV43659-001A	FL HOLDER		
CN501	QGF1205F1-13	CONNECTOR	FFC/FPC (1-13)	
DI501	QLF0154-001	FL TUBE		
FW502	QUM216-09Z4Z4-E	PARA RIBON WIR		
FW521	QUM213-15DGZ4-E	PARA RIBON WIRE		
FW561	QUM214-16DGZ4-E	PARA RIBON WIRE		
JS541	QSW1122-001	JOG VOLUME		
K501	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K502	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
S521	QSW0825-001Z	TACT SW		
S522	QSW0825-001Z	TACT SW		
S523	QSW0825-001Z	TACT SW		
S526	QSW0825-001Z	TACT SW		
S527	QSW0825-001Z	TACT SW		
S528	QSW0825-001Z	TACT SW		
S529	QSW0825-001Z	TACT SW		
S531	QSW0825-001Z	TACT SW		

Symbol No.	Part No.	Part Name	Description	Local
IC151	CD4066BM-X	IC		
IC152	CD4066BM-X	IC		
IC153	BD3814FV-X	IC		
IC154	CD4066BM-X	IC		
IC158	RC4558D-X	IC		
IC159	RC4558D-X	IC		
IC160	RC4558D-X	IC		
IC509	GP1FAV30RK0F	OPT RECEIVER		
IC531	RC4558D-X	IC		
IC581	RC4558D-X	IC		
IC591	RC4558D-X	IC		
Q1131	IMX9-W	TRANSISTOR		
Q1133	IMX9-W	TRANSISTOR		
Q1135	IMX9-W	TRANSISTOR		
Q1137	2SC3661-X	TRANSISTOR		
Q1251	KRA104S-X	DIGI TRANSISTOR		
Q1252	KRA104S-X	DIGI TRANSISTOR		
C1001	QETN1EM-107Z	E CAPACITOR	100uF 25V M	
C1002	QETN1EM-107Z	E CAPACITOR	100uF 25V M	
C1003	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1101	NCB31HK-331X	C CAPACITOR	330pF 50V K	
C1102	NCB31HK-331X	C CAPACITOR	0.033uF 16V K	
C1103	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1120	NCB31CK-333X	C CAPACITOR	0.033uF 16V K	
C1121	NCB31CK-333X	C CAPACITOR	0.033uF 16V K	
C1122	NCB31CK-333X	C CAPACITOR	0.033uF 16V K	
C1123	NCB31CK-333X	C CAPACITOR	0.033uF 16V K	
C1124	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C1125	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C1141	QETN1EM-107Z	E CAPACITOR	100uF 25V M	
C1142	QETN1EM-107Z	E CAPACITOR	100uF 25V M	
C1145	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1176	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1177	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1178	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1179	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1180	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1181	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1183	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C1201	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1202	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1203	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1204	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1205	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C1206	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C1207	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C1208	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C1209	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C1210	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C1211	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C1212	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C1213	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C1214	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C1215	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C1216	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C1217	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C1218	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
C1221	NDC31HJ-470X	C CAPACITOR	47pF 50V J		R1144	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
C1222	NDC31HJ-470X	C CAPACITOR	47pF 50V J		R1145	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
C1223	NDC31HJ-470X	C CAPACITOR	47pF 50V J		R1146	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
C1224	NDC31HJ-470X	C CAPACITOR	47pF 50V J		R1147	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
C1225	NDC31HJ-471X	C CAPACITOR	470pF 50V J		R1148	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
C1226	NDC31HJ-470X	C CAPACITOR	47pF 50V J		R1149	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
C1227	NCB31CK-183X	C CAPACITOR	0.018uF 16V K		R1150	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C1228	NCB31CK-183X	C CAPACITOR	0.018uF 16V K		R1151	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
C1230	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M		R1152	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
C1251	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R1153	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
C1252	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R1154	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
C1253	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R1155	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
C1254	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R1156	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
C2503	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M		R1157	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
C2504	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M		R1158	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
C2509	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R1161	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
C2510	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R1162	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
C2511	QETN1HM-105Z	E CAPACITOR	1uF 50V M		R1163	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
C2512	QETN1HM-105Z	E CAPACITOR	1uF 50V M		R1164	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
C2525	NCB31HK-102X	C CAPACITOR	1000pF 50V K		R1165	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
C2526	NCB31HK-102X	C CAPACITOR	1000pF 50V K		R1166	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
C2531	NCB31HK-331X	C CAPACITOR	330pF 50V K		R1167	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
C2532	NCB31HK-331X	C CAPACITOR	330pF 50V K		R1168	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
C2533	QETN1EM-476Z	E CAPACITOR	47uF 25V M		R1169	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	
C2534	QETN1EM-476Z	E CAPACITOR	47uF 25V M		R1170	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	
C2539	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R1171	NRSA63J-302X	MG RESISTOR	3kΩ 1/16W J	
C2540	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R1172	NRSA63J-302X	MG RESISTOR	3kΩ 1/16W J	
C2541	QETN1HM-105Z	E CAPACITOR	1uF 50V M		R1173	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
C2542	QETN1HM-105Z	E CAPACITOR	1uF 50V M		R1174	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
C2563	NCB31HK-271X	C CAPACITOR	270pF 50V K		R1175	NRSA63J-202X	MG RESISTOR	2kΩ 1/16W J	
C2564	NCB31HK-271X	C CAPACITOR	270pF 50V K		R1176	NRSA63J-303X	MG RESISTOR	30kΩ 1/16W J	
C2575	NCB31HK-102X	C CAPACITOR	1000pF 50V K		R1197	NRSA63J-225X	MG RESISTOR	2.2MΩ 1/16W J	
C2576	NCB31HK-102X	C CAPACITOR	1000pF 50V K		R1201	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J	
C2577	QETN1HM-105Z	E CAPACITOR	1uF 50V M		R1202	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J	
C2578	QETN1HM-105Z	E CAPACITOR	1uF 50V M		R1240	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C2581	QETN1HM-105Z	E CAPACITOR	1uF 50V M		R1241	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C2582	QETN1HM-106Z	E CAPACITOR	10uF 50V M		R1242	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C2583	NCB31HK-271X	C CAPACITOR	270pF 50V K		R1243	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C2584	NDC31HJ-560X	C CAPACITOR	56pF 50V J		R1244	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C2585	NCB31HK-102X	C CAPACITOR	1000pF 50V K		R1245	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C2589	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R1253	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
C2590	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R1254	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
C2592	NCB31HK-472X	C CAPACITOR	4700pF 50V K		R2525	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C2594	NCB31HK-223X	C CAPACITOR	0.022uF 50V K		R2526	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C2597	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M		R2531	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C2599	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R2532	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C2600	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R2533	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
C2603	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M		R2534	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
C2604	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M		R2535	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C2605	NDC31HJ-560X	C CAPACITOR	56pF 50V J		R2536	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1101	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J		R2537	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R1102	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J		R2538	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R1103	NRSA63J-564X	MG RESISTOR	560kΩ 1/16W J		R2539	NRSA63J-132X	MG RESISTOR	1.3kΩ 1/16W J	
R1104	NRSA63J-564X	MG RESISTOR	560kΩ 1/16W J		R2540	NRSA63J-132X	MG RESISTOR	1.3kΩ 1/16W J	
R1106	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R2543	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R1107	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R2544	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R1108	NRSA63J-334X	MG RESISTOR	330kΩ 1/16W J		R2545	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R1109	NRSA63J-334X	MG RESISTOR	330kΩ 1/16W J		R2546	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R1110	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J		R2549	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R1120	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J		R2550	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R1121	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J		R2553	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1122	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R2554	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1123	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R2560	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R1124	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J		R2561	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R1131	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J		R2562	NRSA63J-753X	MG RESISTOR	75kΩ 1/16W J	
R1132	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J		R2563	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1133	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R2564	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1134	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R2565	NRSA63J-622X	MG RESISTOR	6.2kΩ 1/16W J	
R1135	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J		R2566	NRSA63J-622X	MG RESISTOR	6.2kΩ 1/16W J	
R1136	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J		R2567	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1137	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J		R2568	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1138	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J		R2581	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R1139	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J		R2582	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R1140	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J		R2583	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1141	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R2584	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R1142	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R2585	NRSA63J-622X	MG RESISTOR	6.2kΩ 1/16W J	
R1143	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J		R2586	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
					R2587	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
R2588	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		Q3101	IRFB4212	FET		
R2590	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J		Q3102	IRFB4212	FET		
R2592	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J		Q3201	IRFB4212	FET		
R2594	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J		Q3202	IRFB4212	FET		
R2596	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		Q3301	IRFB4212	FET		
R2599	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		Q3302	IRFB4212	FET		
CN441	QGF1036C1-31	CONNECTOR	FFC/FPC (1-31)		Q3401	IRFB4212	FET		
CN442	QGF1036C1-07	CONNECTOR	FFC/FPC (1-7)		Q3402	IRFB4212	FET		
J1101	QNN0598-001	PIN JACK			Q3501	IRFB4212	FET		
J1103	QND0118-001	DIN CONNECTOR			Q3502	IRFB4212	FET		
K1101	NQR0007-002X	FERRITE BEADS			Q3601	IRFB4212	FET		
					Q3602	IRFB4212	FET		
					Q3701	IRFB4212	FET		
					Q3702	IRFB4212	FET		
					Q3801	KTA1504/YG/-X	SI TRANSISTOR		
					Q3802	KTC3875/YG/-X	SI TRANSISTOR		
					Q3803	KTA1504/YG/-X	SI TRANSISTOR		
					Q4001	KTA1023/OY/-T	TRANSISTOR		
					Q4002	KTC3875/YG/-X	SI TRANSISTOR		
					Q4003	KTC3875/YG/-X	SI TRANSISTOR		

## Mother board

Block No. [0][4]

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
IC251	RC4558D-X	IC			D101	1SS133-T2	SI DIODE		
IC301	IRS20124S-X	IC			D102	1SS133-T2	SI DIODE		
IC302	IRS20124S-X	IC			△ D151	GBU803	BRIDGE DIODE		
IC303	IRS20124S-X	IC			△ D152	10EDB20-T4	DIODE		
IC304	IRS20124S-X	IC			△ D153	10EDB20-T4	DIODE		
IC305	IRS20124S-X	IC			D154	1SS133-T2	SI DIODE		
IC306	IRS20124S-X	IC			D155	1SS133-T2	SI DIODE		
IC307	IRS20124S-X	IC			D156	1SS133-T2	SI DIODE		
IC601	MN101C427NY	IC			D161	MTZJ8.2C-T2	Z DIODE		
IC701	SN74HC00ANS-X	IC			D162	1SS133-T2	SI DIODE		
IC702	NJM2403M-X	IC			D163	MTZJ6.2B-T2	Z DIODE		
IC703	IRS2011S-X	IC			D164	1SS133-T2	SI DIODE		
IC704	SN74HC74ANS-X	IC			D165	MTZJ8.2C-T2	Z DIODE		
IC705	NJM2125F-X	IC			D166	1SS133-T2	SI DIODE		
Q151	KTC2026/Y/	TRANSISTOR			D501	1SS133-T2	SI DIODE		
Q152	KTA1046/Y/	TRANSISTOR			D502	MTZJ8.2C-T2	Z DIODE		
Q153	KTC3203/OY/-T	TRANSISTOR			D503	MTZJ6.8C-T2	Z DIODE		
Q156	KRC104S-X	TRANSISTOR			D504	1SS133-T2	SI DIODE		
Q157	KTC3875/YG/-X	SI TRANSISTOR			D505	MTZJ5.1C-T2	Z DIODE		
Q501	KRA109S-X	D.TRANSISTOR			D506	1SS133-T2	SI DIODE		
Q502	KTC3875/YG/-X	SI TRANSISTOR			D507	1SS133-T2	SI DIODE		
Q503	KTC3875/YG/-X	SI TRANSISTOR			D508	1SS133-T2	SI DIODE		
Q504	KTA1504/YG/-X	SI TRANSISTOR			D509	MTZJ20B-T2	Z DIODE		
Q505	KRC102S-X	DIGI TRANSISTOR			D511	1SS133-T2	SI DIODE		
Q511	KTC3875/YG/-X	SI TRANSISTOR			D512	1SS133-T2	SI DIODE		
Q521	KTC3875/YG/-X	SI TRANSISTOR			D513	1SS133-T2	SI DIODE		
Q522	KTC3265/Y/-X	TRANSISTOR			D514	1SS133-T2	SI DIODE		
Q523	KTC3875/YG/-X	SI TRANSISTOR			D515	1SS133-T2	SI DIODE		
Q524	KTA1504/YG/-X	SI TRANSISTOR			D516	1SS133-T2	SI DIODE		
Q525	KTC3875/YG/-X	SI TRANSISTOR			D517	1SS133-T2	SI DIODE		
Q531	KRC103S-X	DIGITAL TR			D518	1SS133-T2	SI DIODE		
Q532	KRA102S-X	DIGI TRANSISTOR			D519	1SS133-T2	SI DIODE		
Q533	KTC2026/Y/	TRANSISTOR			D523	1SS133-T2	SI DIODE		
Q534	KTC3875/YG/-X	SI TRANSISTOR			D524	1SS133-T2	SI DIODE		
Q535	KRC104S-X	TRANSISTOR			D525	1SS133-T2	SI DIODE		
Q601	KRA102S-X	DIGI TRANSISTOR			D526	1SS133-T2	SI DIODE		
Q602	KTC3875/YG/-X	SI TRANSISTOR			D531	1SS133-T2	SI DIODE		
Q603	KTC3875/YG/-X	SI TRANSISTOR			D541	MTZJ11C-T2	Z DIODE		
Q701	KTA1268/GL/-T	TRANSISTOR			D542	1SS133-T2	SI DIODE		
Q702	KTA1504/YG/-X	SI TRANSISTOR			D543	MA700A-T2	SB DIODE		
Q703	KRC102S-X	DIGI TRANSISTOR			D544	1SS133-T2	SI DIODE		
Q704	2SK3599-01MR	POWER MOS FET			D610	1SS133-T2	SI DIODE		
Q705	KTA1504/YG/-X	SI TRANSISTOR			D611	1SS133-T2	SI DIODE		
Q706	KTC2028/Y/	TRANSISTOR			D701	1SS133-T2	SI DIODE		
Q708	KTC2028/Y/	TRANSISTOR			D702	1SS133-T2	SI DIODE		
Q710	KRC102S-X	DIGI TRANSISTOR			D704	1SS133-T2	SI DIODE		
Q711	KRC102S-X	DIGI TRANSISTOR			D705	1SS133-T2	SI DIODE		
Q712	KRC102S-X	DIGI TRANSISTOR			D707	1SS133-T2	SI DIODE		
Q713	2SK3599-01MR	POWER MOS FET			D711	1SS244-T2	SI DIODE		
Q722	KRC102S-X	DIGI TRANSISTOR			D712	1SS133-T2	SI DIODE		
Q726	KRC102S-X	DIGI TRANSISTOR			D713	FMB-G19L	SB DIODE		
Q731	KTC3875/YG/-X	SI TRANSISTOR			D714	1SS133-T2	SI DIODE		
Q2501	KTC3875/YG/-X	SI TRANSISTOR			D721	1SS133-T2	SI DIODE		
Q2502	KTC3875/YG/-X	SI TRANSISTOR			D722	MTZJ13C-T2	Z DIODE		
Q2701	KTC3875/YG/-X	SI TRANSISTOR			D725	MTZJ30C-T2	Z DIODE		
					D726	MTZJ20B-T2	Z DIODE		
					D728	MTZJ30C-T2	Z DIODE		



△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
D729	MTZJ20B-T2	Z DIODE			C701	NCF31HZ-103X	C CAPACITOR	0.01uF 50V Z	
D730	MTZJ20B-T2	Z DIODE			C702	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
D734	1SS133-T2	SI DIODE			C703	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
D735	MTZJ13C-T2	Z DIODE			C704	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
D737	FMB-G19L	SB DIODE			C706	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
D2501	1SS133-T2	SI DIODE			C707	NCB31CK-105X	C CAPACITOR	1uF 16V K	
D2502	1SS133-T2	SI DIODE			C708	NCF31HZ-103X	C CAPACITOR	0.01uF 50V Z	
D2601	1SS133-T2	SI DIODE			C709	NCB31CK-105X	C CAPACITOR	1uF 16V K	
D2602	1SS133-T2	SI DIODE			C710	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
D2701	1SS133-T2	SI DIODE			C711	NCB31HK-821X	C CAPACITOR	820pF 50V K	
D2703	1SS133-T2	SI DIODE			C714	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
D3151	1SS133-T2	SI DIODE			C715	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
D3152	1SS133-T2	SI DIODE			C716	NCB31CK-105X	C CAPACITOR	1uF 16V K	
D3156	1SS244-T2	SI DIODE			C717	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
D3251	1SS133-T2	SI DIODE			C718	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
D3252	1SS133-T2	SI DIODE			C719	QFZ0212-105Z	MF CAPACITOR	1uF	
D3256	1SS244-T2	SI DIODE			C720	NCF31HZ-103X	C CAPACITOR	0.01uF 50V Z	
D3351	1SS133-T2	SI DIODE			C721	QETM1HM-228	E CAPACITOR	2200uF 50V M	
D3352	1SS133-T2	SI DIODE			C726	QETN2AM-106Z	E CAPACITOR	10uF 100V M	
D3356	1SS244-T2	SI DIODE			C727	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
D3451	1SS133-T2	SI DIODE			C731	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
D3452	1SS133-T2	SI DIODE			C732	QETN2AM-106Z	E CAPACITOR	10uF 100V M	
D3456	1SS244-T2	SI DIODE			C733	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
D3551	1SS133-T2	SI DIODE			C734	NCB21HK-104X	C CAPACITOR	0.1uF 50V K	
D3552	1SS133-T2	SI DIODE			C735	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
D3556	1SS244-T2	SI DIODE			C736	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
D3651	1SS133-T2	SI DIODE			C737	QFZ0212-105Z	MF CAPACITOR	1uF	
D3652	1SS133-T2	SI DIODE			C738	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
D3656	1SS244-T2	SI DIODE			C739	QETM1HM-228	E CAPACITOR	2200uF 50V M	
D3751	1SS133-T2	SI DIODE			C740	NCF31HZ-103X	C CAPACITOR	0.01uF 50V Z	
D3752	1SS133-T2	SI DIODE			C741	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
D3801	MTZJ9.1C-T2	Z DIODE			C792	NCF31HZ-103X	C CAPACITOR	0.01uF 50V Z	
D4001	MTZJ6.2B-T2	Z DIODE			C2501	NCB31HK-152X	C CAPACITOR	1500pF 50V K	
D4002	FR104S-T5	FR DIODE			C2503	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
D4003	MTZJ16C-T2	Z DIODE			C2504	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
△ C101	QCZ9104-472	C CAPACITOR	4700pF		C2601	NCB31HK-152X	C CAPACITOR	1500pF 50V K	
△ C102	QFZ9075-154	MPP CAPACITOR	0.15uF AC275V M		C2603	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
△ C103	QFZ9075-154	MPP CAPACITOR	0.15uF AC275V M		C2604	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
△ C104	QCZ9079-102	C CAPACITOR	1000pF AC250V M		C2701	NCF31HZ-103X	C CAPACITOR	0.01uF 50V Z	
△ C105	QCZ9079-102	C CAPACITOR	1000pF AC250V M		C2702	NCF31HZ-103X	C CAPACITOR	0.01uF 50V Z	
C151	NCB21HK-104X	C CAPACITOR	0.1uF 50V K		C2706	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C152	NCB21HK-104X	C CAPACITOR	0.1uF 50V K		C3149	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C153	NCB21HK-104X	C CAPACITOR	0.1uF 50V K		C3150	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C154	NCB21HK-104X	C CAPACITOR	0.1uF 50V K		C3151	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C155	NCF31HZ-223X	C CAPACITOR	0.022uF 50V Z		C3152	NCB21EK-334X	C CAPACITOR	0.33uF 25V K	
C156	NCF31HZ-223X	C CAPACITOR	0.022uF 50V Z		C3156	QFZ0212-105Z	MF CAPACITOR	1uF	
C158	QETM1EM-228	E CAPACITOR	2200uF 25V M		C3159	QETN2AM-106Z	E CAPACITOR	10uF 100V M	
C159	QETM1EM-108	E CAPACITOR	1000uF 25V M		C3162	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C160	QEZO613-338	E CAPACITOR	3300uF		C3163	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C161	QEZO613-338	E CAPACITOR	3300uF		C3166	QFZ0212-105Z	MF CAPACITOR	1uF	
C162	NCB21HK-104X	C CAPACITOR	0.1uF 50V K		C3167	QFZ0212-474Z	MF CAPACITOR	0.47uF	
C163	NCB21HK-104X	C CAPACITOR	0.1uF 50V K		C3168	QFZ0212-224Z	MM CAPACITOR	0.22uF	
C164	NCB21HK-104X	C CAPACITOR	0.1uF 50V K		C3171	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C167	QETN1HM-106Z	E CAPACITOR	10uF 50V M		C3172	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C168	QETN1EM-476Z	E CAPACITOR	47uF 25V M		C3177	NCB31HK-221X	C CAPACITOR	220pF 50V K	
C169	QETN1HM-104Z	E CAPACITOR	0.1uF 50V M		C3178	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C170	QETN1CM-107Z	E CAPACITOR	100uF 16V M		C3179	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C172	QETN1HM-106Z	E CAPACITOR	10uF 50V M		C3180	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C173	QETN1EM-476Z	E CAPACITOR	47uF 25V M		C3249	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C176	QETN1HM-106Z	E CAPACITOR	10uF 50V M		C3250	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C177	QETN2AM-475Z	E CAPACITOR	4.7uF 100V M		C3251	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C191	NCB31EK-104X	C CAPACITOR	0.1uF 25V K		C3252	NCB21EK-334X	C CAPACITOR	0.33uF 25V K	
C501	QETN1HM-335Z	E CAPACITOR	3.3uF 50V M		C3256	QFZ0212-105Z	MF CAPACITOR	1uF	
C502	NCF31HZ-103X	C CAPACITOR	0.01uF 50V Z		C3259	QETN2AM-106Z	E CAPACITOR	10uF 100V M	
C503	QETN1HM-106Z	E CAPACITOR	10uF 50V M		C3262	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C504	NCB31HK-102X	C CAPACITOR	1000pF 50V K		C3263	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C522	QETN1HM-106Z	E CAPACITOR	10uF 50V M		C3266	QFZ0212-105Z	MF CAPACITOR	1uF	
C523	QETN1EM-476Z	E CAPACITOR	47uF 25V M		C3267	QFZ0212-474Z	MF CAPACITOR	0.47uF	
C531	QETN1CM-107Z	E CAPACITOR	100uF 16V M		C3268	QFZ0212-224Z	MM CAPACITOR	0.22uF	
C532	QETN1EM-476Z	E CAPACITOR	47uF 25V M		C3271	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C533	QETN1CM-107Z	E CAPACITOR	100uF 16V M		C3272	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C534	QETN1AM-227Z	E CAPACITOR	220uF 10V M		C3277	NCB31HK-221X	C CAPACITOR	220pF 50V K	
C601	QETN1HM-106Z	E CAPACITOR	10uF 50V M		C3278	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C602	QETN1CM-107Z	E CAPACITOR	100uF 16V M		C3279	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C603	NCF31HZ-103X	C CAPACITOR	0.01uF 50V Z		C3280	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C604	NCB31HK-102X	C CAPACITOR	1000pF 50V K		C3349	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C605	NCF31HZ-103X	C CAPACITOR	0.01uF 50V Z		C3350	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
					C3351	NCB31CK-105X	C CAPACITOR	1uF 16V K	

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
C3352	NCB21EK-334X	C CAPACITOR	0.33uF 25V K		C3768	QFZ0212-224Z	MM CAPACITOR	0.22uF	
C3356	QFZ0212-105Z	MF CAPACITOR	1uF		C3771	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C3359	QETN2AM-106Z	E CAPACITOR	10uF 100V M		C3772	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C3362	NCB31HK-102X	C CAPACITOR	1000pF 50V K		C3801	QETN1HM-107Z	E CAPACITOR	100uF 50V M	
C3363	NCB31HK-102X	C CAPACITOR	1000pF 50V K		C3803	QETN1HM-107Z	E CAPACITOR	100uF 50V M	
C3366	QFZ0212-105Z	MF CAPACITOR	1uF		C3811	QETN1HM-107Z	E CAPACITOR	100uF 50V M	
C3367	QFZ0212-474Z	MF CAPACITOR	0.47uF		C3813	QETN1HM-107Z	E CAPACITOR	100uF 50V M	
C3368	QFZ0212-224Z	MM CAPACITOR	0.22uF		C3821	QETN1HM-107Z	E CAPACITOR	100uF 50V M	
C3371	NCB31HK-102X	C CAPACITOR	1000pF 50V K		C3823	QETN1HM-107Z	E CAPACITOR	100uF 50V M	
C3372	NCB31HK-102X	C CAPACITOR	1000pF 50V K		C3831	QETN1HM-107Z	E CAPACITOR	100uF 50V M	
C3377	NCB31HK-221X	C CAPACITOR	220pF 50V K		C3833	QETN1HM-107Z	E CAPACITOR	100uF 50V M	
C3378	NCB31HK-223X	C CAPACITOR	0.022uF 50V K		C3841	QETN1HM-107Z	E CAPACITOR	100uF 50V M	
C3379	NCB31HK-223X	C CAPACITOR	0.022uF 50V K		C3843	QETN1HM-107Z	E CAPACITOR	100uF 50V M	
C3380	NCB31HK-223X	C CAPACITOR	0.022uF 50V K		C3851	QETN1HM-107Z	E CAPACITOR	100uF 50V M	
C3449	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		C3853	QETN1HM-107Z	E CAPACITOR	100uF 50V M	
C3450	NDC31HJ-101X	C CAPACITOR	100pF 50V J		C3861	QETN1HM-107Z	E CAPACITOR	100uF 50V M	
C3451	NCB31CK-105X	C CAPACITOR	1uF 16V K		C3863	QETN1HM-107Z	E CAPACITOR	100uF 50V M	
C3452	NCB21EK-334X	C CAPACITOR	0.33uF 25V K		C3871	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C3456	QFZ0212-105Z	MF CAPACITOR	1uF		C3872	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3459	QETN2AM-106Z	E CAPACITOR	10uF 100V M		C3899	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C3462	NCB31HK-102X	C CAPACITOR	1000pF 50V K		C4001	QETN1HM-107Z	E CAPACITOR	100uF 50V M	
C3463	NCB31HK-102X	C CAPACITOR	1000pF 50V K		C4002	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C3466	QFZ0212-105Z	MF CAPACITOR	1uF		C4003	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C3467	QFZ0212-474Z	MF CAPACITOR	0.47uF						
C3468	QFZ0212-224Z	MM CAPACITOR	0.22uF		△ R101	QRZ9037-335	COMP RESISTOR	3.3MΩ 1/2W K	
C3471	NCB31HK-102X	C CAPACITOR	1000pF 50V K		R102	QRJ146J-121X	UNF C RESISTOR	120Ω 1/4W J	
C3472	NCB31HK-102X	C CAPACITOR	1000pF 50V K		R151	QRE141J-152Y	C RESISTOR	1.5kΩ 1/4W J	
C3477	NCB31HK-221X	C CAPACITOR	220pF 50V K		R152	QRE141J-332Y	C RESISTOR	3.3kΩ 1/4W J	
C3478	NCB31HK-223X	C CAPACITOR	0.022uF 50V K		R156	QRJ146J-220X	UNF C RESISTOR	22Ω 1/4W J	
C3479	NCB31HK-223X	C CAPACITOR	0.022uF 50V K		R157	QRE141J-152Y	C RESISTOR	1.5kΩ 1/4W J	
C3480	NCB31HK-223X	C CAPACITOR	0.022uF 50V K		R158	QRK126J-470X	UNF C RESISTOR	47Ω 1/2W J	
C3549	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R159	QRE141J-152Y	C RESISTOR	1.5kΩ 1/4W J	
C3550	NDC31HJ-101X	C CAPACITOR	100pF 50V J		R161	QRJ146J-100X	UNF C RESISTOR	10Ω 1/4W J	
C3551	NCB31CK-105X	C CAPACITOR	1uF 16V K		R162	QRE141J-182Y	C RESISTOR	1.8kΩ 1/4W J	
C3552	NCB21EK-334X	C CAPACITOR	0.33uF 25V K		R166	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C3556	QFZ0212-105Z	MF CAPACITOR	1uF		R167	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
C3559	QETN2AM-106Z	E CAPACITOR	10uF 100V M		R168	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
C3562	NCB31HK-102X	C CAPACITOR	1000pF 50V K		R169	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C3563	NCB31HK-102X	C CAPACITOR	1000pF 50V K		△ R171	QRL01DJ-180X	OMF RESISTOR	18Ω 1W J	
C3566	QFZ0212-105Z	MF CAPACITOR	1uF		R501	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C3567	QFZ0212-474Z	MF CAPACITOR	0.47uF		R502	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
C3568	QFZ0212-224Z	MM CAPACITOR	0.22uF		R503	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
C3571	NCB31HK-102X	C CAPACITOR	1000pF 50V K		R504	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C3572	NCB31HK-102X	C CAPACITOR	1000pF 50V K		R505	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C3577	NCB31HK-221X	C CAPACITOR	220pF 50V K		R506	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C3578	NCB31HK-223X	C CAPACITOR	0.022uF 50V K		R507	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
C3579	NCB31HK-223X	C CAPACITOR	0.022uF 50V K		R508	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C3580	NCB31HK-223X	C CAPACITOR	0.022uF 50V K		R511	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
C3649	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R512	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
C3650	NDC31HJ-101X	C CAPACITOR	100pF 50V J		R513	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C3651	NCB31CK-105X	C CAPACITOR	1uF 16V K		R514	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
C3652	NCB21EK-334X	C CAPACITOR	0.33uF 25V K		R515	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
C3656	QFZ0212-105Z	MF CAPACITOR	1uF		R516	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
C3659	QETN2AM-106Z	E CAPACITOR	10uF 100V M		R517	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
C3662	NCB31HK-102X	C CAPACITOR	1000pF 50V K		R518	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
C3663	NCB31HK-102X	C CAPACITOR	1000pF 50V K		R519	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
C3666	QFZ0212-105Z	MF CAPACITOR	1uF		R520	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
C3667	QFZ0212-474Z	MF CAPACITOR	0.47uF		R521	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
C3668	QFZ0212-224Z	MM CAPACITOR	0.22uF		R522	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
C3671	NCB31HK-102X	C CAPACITOR	1000pF 50V K		R526	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
C3672	NCB31HK-102X	C CAPACITOR	1000pF 50V K		R527	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C3683	NCB21HK-473X	C CAPACITOR	0.047uF 50V K		R532	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C3684	NCB21HK-473X	C CAPACITOR	0.047uF 50V K		R533	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C3685	NCB31HK-223X	C CAPACITOR	0.022uF 50V K		R534	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C3686	NCB31HK-223X	C CAPACITOR	0.022uF 50V K		R535	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
C3687	NCB31HK-223X	C CAPACITOR	0.022uF 50V K		R536	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C3688	NCB31HK-223X	C CAPACITOR	0.022uF 50V K		R541	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C3689	NCB31HK-223X	C CAPACITOR	0.022uF 50V K		R542	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
C3690	NCB31HK-223X	C CAPACITOR	0.022uF 50V K		R543	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
C3749	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R544	QRJ146J-100X	UNF C RESISTOR	10Ω 1/4W J	
C3750	NDC31HJ-101X	C CAPACITOR	100pF 50V J		R545	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C3751	NCB31CK-105X	C CAPACITOR	1uF 16V K		△ R546	QRL01DJ-180X	OMF RESISTOR	18Ω 1W J	
C3752	NCB21EK-334X	C CAPACITOR	0.33uF 25V K		R547	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
C3756	QFZ0212-105Z	MF CAPACITOR	1uF		R548	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
C3759	QETN2AM-106Z	E CAPACITOR	10uF 100V M		R549	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
C3762	NCB31HK-102X	C CAPACITOR	1000pF 50V K		R550	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C3763	NCB31HK-102X	C CAPACITOR	1000pF 50V K		R556	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C3767	QFZ0212-474Z	MF CAPACITOR	0.47uF		R557	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
R558	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J		R747	QRK126J-103X	UNF C RESISTOR	10kΩ 1/2W J	
R559	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R749	QRE141J-561Y	C RESISTOR	560Ω 1/4W J	
R602	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J		R750	QRE141J-561Y	C RESISTOR	560Ω 1/4W J	
R603	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J		R751	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R604	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R752	NRS125J-330X	MG RESISTOR	33Ω 1/2W J	
R605	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		R753	QRL01DJ-100X	OMF RESISTOR	10Ω 1W J	
R606	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J		R754	QRL01DJ-100X	OMF RESISTOR	10Ω 1W J	
R607	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R756	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R608	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R757	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R609	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R762	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R610	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R766	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R611	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R767	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R612	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R768	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R613	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		R2502	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R614	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J		R2503	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R615	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R2505	NRSA63J-474X	MG RESISTOR	470kΩ 1/16W J	
R616	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J		R2506	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R617	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R2507	NRSA63J-334X	MG RESISTOR	330kΩ 1/16W J	
R625	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J		R2509	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R629	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J		R2510	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R630	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J		R2512	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R631	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R2513	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R632	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R2603	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R633	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R2605	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R634	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R2607	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R635	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R2610	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R636	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J		R2701	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R637	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R2702	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R638	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J		R2703	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R639	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R3148	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R640	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R3149	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R641	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J		R3151	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R642	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R3152	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R643	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R3153	NRSA63J-912X	MG RESISTOR	9.1kΩ 1/16W J	
R646	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J		R3154	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R649	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R3155	NRSA63J-132X	MG RESISTOR	1.3kΩ 1/16W J	
R650	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J		R3162	QRE141J-390Y	C RESISTOR	39Ω 1/4W J	
R651	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R3163	QRE141J-390Y	C RESISTOR	39Ω 1/4W J	
R652	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R3165	QRL01DJ-220X	OMF RESISTOR	22Ω 1W J	
R653	NRSA02J-151X	MG RESISTOR	150Ω 1/10W J		R3166	QRL01DJ-220X	OMF RESISTOR	22Ω 1W J	
R656	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J		R3168	QRL01DJ-220X	OMF RESISTOR	22Ω 1W J	
R657	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J		R3170	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R658	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J		R3173	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R659	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J		R3174	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R701	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R3248	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R703	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J		R3249	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R704	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J		R3251	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R705	NRSA63J-513X	MG RESISTOR	51kΩ 1/16W J		R3252	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R706	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R3253	NRSA63J-912X	MG RESISTOR	9.1kΩ 1/16W J	
R707	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R3254	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R708	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J		R3255	NRSA63J-132X	MG RESISTOR	1.3kΩ 1/16W J	
R709	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R3262	QRE141J-390Y	C RESISTOR	39Ω 1/4W J	
R710	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R3263	QRE141J-390Y	C RESISTOR	39Ω 1/4W J	
R711	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J		R3265	QRL01DJ-220X	OMF RESISTOR	22Ω 1W J	
R714	QRE141J-101Y	C RESISTOR	100Ω 1/4W J		R3266	QRL01DJ-220X	OMF RESISTOR	22Ω 1W J	
R716	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J		R3268	QRL01DJ-220X	OMF RESISTOR	22Ω 1W J	
R717	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		R3270	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R718	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J		R3273	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R721	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		R3274	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R724	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J		R3348	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R725	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R3349	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R726	NRSA63F-223X	MG RESISTOR	22kΩ 1/16W F		R3351	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R727	NRSA63F-273X	MG RESISTOR	27kΩ 1/16W F		R3352	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R728	NRSA63J-433X	MG RESISTOR	43kΩ 1/16W J		R3353	NRSA63J-912X	MG RESISTOR	9.1kΩ 1/16W J	
R729	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J		R3354	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R730	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J		R3355	NRSA63J-132X	MG RESISTOR	1.3kΩ 1/16W J	
R731	NRS125J-4R7X	MG RESISTOR	4.7Ω 1/2W J		R3362	QRE141J-390Y	C RESISTOR	39Ω 1/4W J	
R732	NRS125J-330X	MG RESISTOR	33Ω 1/2W J		R3363	QRE141J-390Y	C RESISTOR	39Ω 1/4W J	
R733	QRL01DJ-100X	OMF RESISTOR	10Ω 1W J		R3365	QRL01DJ-220X	OMF RESISTOR	22Ω 1W J	
R734	QRL01DJ-100X	OMF RESISTOR	10Ω 1W J		R3366	QRL01DJ-220X	OMF RESISTOR	22Ω 1W J	
R736	NRSA63F-561X	MG RESISTOR	560Ω 1/16W F		R3368	QRL01DJ-220X	OMF RESISTOR	22Ω 1W J	
R738	NRSA63F-272X	MG RESISTOR	2.7kΩ 1/16W F		R3370	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R739	NRSA63F-333X	MG RESISTOR	33kΩ 1/16W F		R3373	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R740	NRSA63F-273X	MG RESISTOR	27kΩ 1/16W F		R3374	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R741	QRJ146J-470X	UNF C RESISTOR	47Ω 1/4W J		R3448	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R742	QRK126J-103X	UNF C RESISTOR	10kΩ 1/2W J		R3449	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R743	NRSA63F-561X	MG RESISTOR	560Ω 1/16W F		R3451	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R746	QRZ9005-101X	F RESISTOR	100Ω		R3452	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
R3453	NRSA63J-912X	MG RESISTOR	9.1kΩ 1/16W J		L701	QQL78AK-100	COIL	10uH K	
R3454	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J		L702	QQL78AK-100	COIL	10uH K	
R3455	NRSA63J-132X	MG RESISTOR	1.3kΩ 1/16W J		L3151	QQL77AK-220	COIL	22uH K	
R3462	QRE141J-390Y	C RESISTOR	39Ω 1/4W J		L3251	QQL77AK-220	COIL	22uH K	
R3463	QRE141J-390Y	C RESISTOR	39Ω 1/4W J		L3351	QQL77AK-220	COIL	22uH K	
R3465	QRL01DJ-220X	OMF RESISTOR	22Ω 1W J		L3451	QQL77AK-220	COIL	22uH K	
R3466	QRL01DJ-220X	OMF RESISTOR	22Ω 1W J		L3551	QQL77AK-220	COIL	22uH K	
R3468	QRL01DJ-220X	OMF RESISTOR	22Ω 1W J		L3651	QQL78AK-220	COIL	22uH K	
R3470	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		L3751	QQL78AK-220	COIL	22uH K	
R3473	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J		L4001	QQL28AK-221	CHOKE COIL	220uH K	
R3474	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J						
R3548	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		△ CN101	QGA7901C1-02	CONNECTOR	W-B (1-2)	
R3549	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J		△ CN102	QGA7901C1-04	CONNECTOR	W-B (1-4)	
R3551	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J		△ CN103	QGA7901C1-04	CONNECTOR	W-B (1-4)	
R3552	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J		CN151	QGA3901C1-04	CONNECTOR	W-B (1-4)	
R3553	NRSA63J-912X	MG RESISTOR	9.1kΩ 1/16W J		CN301	QGB2510J1-20	CONNECTOR	B-B (1-20)	
R3554	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J		CN302	QGB2510J1-15	CONNECTOR	B-B (1-15)	
R3555	NRSA63J-132X	MG RESISTOR	1.3kΩ 1/16W J		CN303	QGA2501C1-02	CONNECTOR	W-B (1-2)	
R3562	QRE141J-390Y	C RESISTOR	39Ω 1/4W J		CN304	QGB2510J1-06	CONNECTOR	B-B (1-6)	
R3563	QRE141J-390Y	C RESISTOR	39Ω 1/4W J		CN305	QGD2501C1-03Z	CONNECTOR	(1-3)	
R3565	QRL01DJ-220X	OMF RESISTOR	22Ω 1W J		CN311	QGB2024K1-17S	CONNECTOR	B-B (1-17)	
R3566	QRL01DJ-220X	OMF RESISTOR	22Ω 1W J		CN312	QGB2024K1-17S	CONNECTOR	B-B (1-17)	
R3568	QRL01DJ-220X	OMF RESISTOR	22Ω 1W J		CN351	QGA3901F2-02	CONNECTOR	W-B (1-2)	
R3570	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		CN352	QGA3901F2-02	CONNECTOR	W-B (1-2)	
R3573	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J		CN501	QGB2510K2-20	CONNECTOR	B-B (1-20)	
R3574	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J		CN502	QGB2510K2-15	CONNECTOR	B-B (1-15)	
R3648	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		CN503	QGB2510K2-06	CONNECTOR	B-B (1-6)	
R3649	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J		EP101	LV43391-001A	BLACKET		
R3651	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J		EP102	LV43391-001A	BLACKET		
R3652	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J		EP301	QNZ0136-001Z	EARTH PLATE		
R3653	NRSA63J-912X	MG RESISTOR	9.1kΩ 1/16W J		EP302	QNZ0136-001Z	EARTH PLATE		
R3654	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J		EP303	QNZ0136-001Z	EARTH PLATE		
R3655	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J		EP304	QNZ0136-001Z	EARTH PLATE		
R3662	QRE141J-390Y	C RESISTOR	39Ω 1/4W J		FC101	QNG0019-001Z	FUSE CLIP		
R3663	QRE141J-390Y	C RESISTOR	39Ω 1/4W J		FC102	QNG0019-001Z	FUSE CLIP		
R3665	QRL01DJ-220X	OMF RESISTOR	22Ω 1W J		FC103	QNG0019-001Z	FUSE CLIP		
R3666	QRL01DJ-220X	OMF RESISTOR	22Ω 1W J		FC104	QNG0019-001Z	FUSE CLIP		
R3668	QRL01DJ-220X	OMF RESISTOR	22Ω 1W J		FC155	QNG0019-001Z	FUSE CLIP		
R3670	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J		FC156	QNG0019-001Z	FUSE CLIP		
R3673	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J		HS151	LV35740-003A	IC HOLDER		
R3674	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J		J3001	QNB0192-001	SPEAKER TERMINA		
R3681	QRK126J-4R7X	UNF C RESISTOR	4.7Ω 1/2W J		K3101	QQR1277-001Z	COIL		
R3748	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		K3201	QQR1277-001Z	COIL		
R3749	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J		K3301	QQR1277-001Z	COIL		
R3751	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J		K3401	QQR1277-001Z	COIL		
R3752	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J		K3501	QQR1277-001Z	COIL		
R3753	NRSA63J-912X	MG RESISTOR	9.1kΩ 1/16W J		K3681	QQR1277-001Z	COIL		
R3754	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J		K3682	QQR1277-001Z	COIL		
R3755	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J		△ RY101	QSK0142-001	RELAY		
R3762	QRE141J-390Y	C RESISTOR	39Ω 1/4W J		RY301	QSK0127-001	RELAY		
R3763	QRE141J-390Y	C RESISTOR	39Ω 1/4W J		RY302	QSK0127-001	RELAY		
R3765	QRL01DJ-220X	OMF RESISTOR	22Ω 1W J		RY303	QSK0127-001	RELAY		
R3766	QRL01DJ-220X	OMF RESISTOR	22Ω 1W J		△ S101	QSW0924-001	VOLTAGE SWITCH		
R3768	QRL01DJ-220X	OMF RESISTOR	22Ω 1W J		TH301	QAD0146-103	N THERMISTOR	10kΩ	
R3770	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J		WC151	QZW0112-001	WIRE CLAMP		
R3801	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J		WC301	QZW0112-001	WIRE CLAMP		
R3802	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J		WC302	QZW0112-001	WIRE CLAMP		
R3803	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		WC303	QZW0112-001	WIRE CLAMP		
R3804	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		WC304	QZW0112-001	WIRE CLAMP		
R3805	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		WC305	QZW0112-001	WIRE CLAMP		
R3806	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		WC307	QZW0112-001	WIRE CLAMP		
R3807	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		WC309	QZW0112-001	WIRE CLAMP		
R3808	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		WC310	QZW0112-001	WIRE CLAMP		
R3809	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		WC351	QZW0112-001	WIRE CLAMP		
R3891	NRSA63J-150X	MG RESISTOR	15Ω 1/16W J		X601	QAX0246-001Z	C RESONATOR	8.00MHz	
R3892	NRSA63J-150X	MG RESISTOR	15Ω 1/16W J						
R3893	NRSA63J-150X	MG RESISTOR	15Ω 1/16W J						
R4001	QRZ9006-4R7X	F.RESISTOR	4.7Ω 1/4W J						
R4002	QRE141J-682Y	C RESISTOR	6.8kΩ 1/4W J						
R4003	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J						
R4004	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J						
R4005	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J						
R4006	NRSA02J-471X	MG RESISTOR	470Ω 1/10W J						
R4007	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J						
R4008	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J						
R4009	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J						
△ L101	QQR1676-001	LINE FILTER							

## Amplifier board

Block No. [0][5]

△ Symbol No.	Part No.	Part Name	Description	Local
IC101	JCV8015-X	IC		
IC102	JCV8015-X	IC		
IC103	JCV8015-X	IC		

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
IC202	SN74HCU04ANS-X	IC			C1313	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
IC203	RC4558D-X	IC			C1322	NCB31HK-272X	C CAPACITOR	2700pF 50V K	
Q1101	KTA1504/YG/-X	SI TRANSISTOR			C1331	NDC31HJ-680X	C CAPACITOR	68pF 50V J	
Q1111	KTC3875/YG/-X	SI TRANSISTOR			C1341	NCB31CK-105X	C CAPACITOR	1uF 16V K	
Q1112	KTC3875/YG/-X	SI TRANSISTOR			C1342	NDC31HG-101X	C CAPACITOR	100pF 50V G	
Q1201	KTA1504/YG/-X	SI TRANSISTOR			C1343	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
Q1211	KTC3875/YG/-X	SI TRANSISTOR			C1401	QFLC1HJ-223Z	M CAPACITOR	0.022uF 50V J	
Q1212	KTC3875/YG/-X	SI TRANSISTOR			C1402	NCB31HK-221X	C CAPACITOR	220pF 50V K	
Q1301	KTA1504/YG/-X	SI TRANSISTOR			C1403	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
Q1311	KTC3875/YG/-X	SI TRANSISTOR			C1404	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
Q1312	KTC3875/YG/-X	SI TRANSISTOR			C1405	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
Q1401	KTA1504/YG/-X	SI TRANSISTOR			C1407	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
Q1411	KTC3875/YG/-X	SI TRANSISTOR			C1411	NCB31HK-152X	C CAPACITOR	1500pF 50V K	
Q1412	KTC3875/YG/-X	SI TRANSISTOR			C1412	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
Q1501	KTA1504/YG/-X	SI TRANSISTOR			C1413	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
Q1601	KTA1504/YG/-X	SI TRANSISTOR			C1422	NCB31HK-272X	C CAPACITOR	2700pF 50V K	
Q1701	KTA1504/YG/-X	SI TRANSISTOR			C1431	NDC31HJ-680X	C CAPACITOR	68pF 50V J	
Q2003	KRC102S-X	DIGI TRANSISTOR			C1441	NCB31CK-105X	C CAPACITOR	1uF 16V K	
Q2004	KRA102S-X	DIGI TRANSISTOR			C1442	NCS31HJ-101X	C CAPACITOR	100pF 50V J	
Q2005	KTA1504/YG/-X	SI TRANSISTOR			C1443	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
Q2007	KTC3875/YG/-X	SI TRANSISTOR			C1501	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
Q2008	KRC102S-X	DIGI TRANSISTOR			C1502	NCB31HK-221X	C CAPACITOR	220pF 50V K	
D561	SLR-342MC-T12	LED			C1503	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
D1111	1SS133-T2	SI DIODE			C1504	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
D1112	1SS133-T2	SI DIODE			C1505	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
D1211	1SS133-T2	SI DIODE			C1507	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
D1212	1SS133-T2	SI DIODE			C1511	NCB21CK-224X	C CAPACITOR	0.22uF 16V K	
D1311	1SS133-T2	SI DIODE			C1512	NCB21CK-224X	C CAPACITOR	0.22uF 16V K	
D1312	1SS133-T2	SI DIODE			C1513	NCB21HK-563X	C CAPACITOR	0.056uF 50V K	
D1411	1SS133-T2	SI DIODE			C1514	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
D1412	1SS133-T2	SI DIODE			C1522	NCB31HK-272X	C CAPACITOR	2700pF 50V K	
D2021	1SS133-T2	SI DIODE			C1531	NDC31HJ-680X	C CAPACITOR	68pF 50V J	
D2022	1SS133-T2	SI DIODE			C1541	NCB31CK-105X	C CAPACITOR	1uF 16V K	
D2023	1SS133-T2	SI DIODE			C1542	NDC31HG-101X	C CAPACITOR	100pF 50V G	
D2025	MTZJ3.3B-T2	Z DIODE			C1543	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
D2031	1SS133-T2	SI DIODE			C1601	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
D2032	1SS133-T2	SI DIODE			C1603	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C1101	QETN1HM-105Z	E CAPACITOR	1uF 50V M		C1604	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C1102	NCB31HK-221X	C CAPACITOR	220pF 50V K		C1605	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C1103	QETN1CM-107Z	E CAPACITOR	100uF 16V M		C1607	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C1104	NCB31HK-222X	C CAPACITOR	2200pF 50V K		C1622	NCB31HK-272X	C CAPACITOR	2700pF 50V K	
C1105	NCB31HK-222X	C CAPACITOR	2200pF 50V K		C1631	NCB31HK-821X	C CAPACITOR	820pF 50V K	
C1106	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C1641	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C1107	NDC31HJ-101X	C CAPACITOR	100pF 50V J		C1642	NDC31HG-101X	C CAPACITOR	100pF 50V G	
C1111	NCB31HK-152X	C CAPACITOR	1500pF 50V K		C1643	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C1112	QETN1HM-105Z	E CAPACITOR	1uF 50V M		C1801	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C1113	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M		C1802	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C1122	NCB31HK-272X	C CAPACITOR	2700pF 50V K		C1803	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C1131	NDC31HJ-680X	C CAPACITOR	68pF 50V J		C1804	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C1141	NCB31CK-105X	C CAPACITOR	1uF 16V K		C1805	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C1142	NDC31HG-101X	C CAPACITOR	100pF 50V G		C1806	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C1143	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z		C1807	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C1201	QETN1HM-105Z	E CAPACITOR	1uF 50V M		C1808	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C1202	NCB31HK-221X	C CAPACITOR	220pF 50V K		C1811	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C1203	QETN1CM-107Z	E CAPACITOR	100uF 16V M		C1812	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C1204	NCB31HK-222X	C CAPACITOR	2200pF 50V K		C1813	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C1205	NCB31HK-222X	C CAPACITOR	2200pF 50V K		C1814	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C1206	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C1815	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C1207	NDC31HJ-101X	C CAPACITOR	100pF 50V J		C1816	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C1211	NCB31HK-152X	C CAPACITOR	1500pF 50V K		C1817	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C1212	QETN1HM-105Z	E CAPACITOR	1uF 50V M		C1818	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C1213	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M		C1821	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C1222	NCB31HK-272X	C CAPACITOR	2700pF 50V K		C1822	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C1231	NDC31HJ-680X	C CAPACITOR	68pF 50V J		C1823	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C1241	NCB31CK-105X	C CAPACITOR	1uF 16V K		C1824	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C1242	NDC31HG-101X	C CAPACITOR	100pF 50V G		C1825	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C1243	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z		C1826	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C1301	QFLC1HJ-223Z	M CAPACITOR	0.022uF 50V J		C1827	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C1302	NCB31HK-221X	C CAPACITOR	220pF 50V K		C1828	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C1303	QETN1CM-107Z	E CAPACITOR	100uF 16V M		C2001	NCB31HK-471X	C CAPACITOR	470pF 50V K	
C1304	NCB31HK-222X	C CAPACITOR	2200pF 50V K		C2002	NCB31HK-471X	C CAPACITOR	470pF 50V K	
C1305	NCB31HK-222X	C CAPACITOR	2200pF 50V K		C2007	NCF31HZ-103X	C CAPACITOR	0.01uF 50V Z	
C1307	NDC31HJ-101X	C CAPACITOR	100pF 50V J		C2021	NCF31HZ-103X	C CAPACITOR	0.01uF 50V Z	
C1311	NCB31HK-152X	C CAPACITOR	1500pF 50V K		C2022	NCF31HZ-103X	C CAPACITOR	0.01uF 50V Z	
C1312	QETN1HM-105Z	E CAPACITOR	1uF 50V M		C2024	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
					C2025	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
					C2031	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
					C2032	QETN1EM-476Z	E CAPACITOR	47uF 25V M	



△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
R2027	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J		C258	NCB31CK-153X	C CAPACITOR	0.015uF 16V K	
R2028	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J		C259	NCB31CK-153X	C CAPACITOR	0.015uF 16V K	
R2029	QRE141J-562Y	C RESISTOR	5.6kΩ 1/4W J		C260	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
R2031	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J		C261	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
R2032	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J		C262	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
R2033	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J		C300	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
R2034	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J		C301	NEAF0GM-476X	E CAPACITOR	47uF 4V M	
R2035	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		C302	NEAF0GM-476X	E CAPACITOR	47uF 4V M	
R2036	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		C303	NEAF0GM-476X	E CAPACITOR	47uF 4V M	
R2037	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J		C304	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
R2038	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J		C305	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
R2103	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J		C306	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
					C307	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
CN111	QGB2024J1-17S	CONNECTOR	B-B (1-17)		C308	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
CN112	QGB2024J1-17S	CONNECTOR	B-B (1-17)		C309	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
J1001	QND0118-001	DIN CONNECTOR			C310	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
WR501	QUM213-22DGZ4-E	PARA RIBON WIRE			C311	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
X2001	QAX0734-001	C RESONATOR	400.00kHz		C312	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	

## DVD servo board

Block No. [0][6]

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
IC201	LA6502-X	IC			C313	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
IC301	MN2DS0009AA	IC			C314	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
IC302	MM1701CH-X	IC			C315	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
IC305	MM1563BF-X	IC	3.1V Regulator		C316	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
IC451	MN101C61GNW	IC			C318	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
IC452	BR93L56RFV-W-X	IC			C319	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
IC453	S-80827CNNB-G-W	IC			C320	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
IC505	K4S641632H-UC75	IC			C321	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
IC505	or HY57V641620ETP7	IC(DIGITAL)			C322	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
IC509	-----	IC(MICRO C ROM)			C323	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
IC510	BR24L16FV-W-X	IC			C324	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
IC701	AK4384VT-X	IC			C325	NDC31HJ-120X	C CAPACITOR	12pF 50V J	
IC701	or AK4384ET-X	IC			C326	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
IC702	AK4384VT-X	IC			C328	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
IC702	or AK4384ET-X	IC			C329	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
IC703	AK4384VT-X	IC			C330	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
IC703	or AK4384ET-X	IC			C331	NCB31CK-333X	C CAPACITOR	0.033uF 16V K	
IC704	AK5357VT-X	IC			C332	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
IC704	or AK5357ET-X	IC			C333	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
IC705	MM1615AN-X	IC			C334	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
					C335	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
Q101	KTA1001/Y/-X	TRANSISTOR			C337	NCB31CK-183X	C CAPACITOR	0.018uF 16V K	
Q101	or 2SB1424/R/-W	TRANSISTOR			C338	NCB31HK-562X	C CAPACITOR	5600pF 50V K	
Q102	2SC4617/R/-X	TRANSISTOR			C339	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
Q103	KTA1001/Y/-X	TRANSISTOR			C340	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
Q103	or 2SB1424/R/-W	TRANSISTOR			C341	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
Q104	2SC4617/R/-X	TRANSISTOR			C347	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
Q105	UN2119-X	TRANSISTOR			C348	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
Q105	or KRA116S-X	TRANSISTOR			C349	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
					C350	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C101	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z		C351	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C102	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z		C352	NCB31CK-153X	C CAPACITOR	0.015uF 16V K	
C103	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z		C353	NCB31HK-561X	C CAPACITOR	560pF 50V K	
C104	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z		C354	NCB31HK-561X	C CAPACITOR	560pF 50V K	
C105	NEAF0JM-476X	E CAPACITOR	47uF 6.3V M		C356	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C106	NBE20JM-226X	TA E CAPACITOR	22uF 6.3V M		C359	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C107	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z		C371	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C108	NBE20JM-226X	TA E CAPACITOR	22uF 6.3V M		C372	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C201	NDC31HJ-221X	C CAPACITOR	220pF 50V J		C373	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C202	NDC31HJ-221X	C CAPACITOR	220pF 50V J		C374	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C203	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		C375	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C204	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z		C376	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C205	NCB31HK-271X	C CAPACITOR	270pF 50V K		C377	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C206	NDC31HJ-151X	C CAPACITOR	150pF 50V J		C378	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C210	NCF31AZ-105X	C CAPACITOR	1uF 10V Z		C379	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C211	NCB31EK-223X	C CAPACITOR	0.022uF 25V K		C380	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C217	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z		C381	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C251	NCB31AK-474X	C CAPACITOR	0.47uF 10V K		C382	NCB31HK-471X	C CAPACITOR	470pF 50V K	
C256	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C383	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C257	NCB31HK-822X	C CAPACITOR	8200pF 50V K		C386	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
					C393	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
					C451	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
					C452	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
					C453	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
					C454	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
					C455	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
					C551	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
					C554	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
					C555	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
					C556	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
C557	NCB31HK-102X	C CAPACITOR	1000pF 50V K		R340	NRSA63D-303X	MG RESISTOR	30kΩ 1/16W D	
C558	NEAF0GM-476X	E CAPACITOR	47uF 4V M		R341	NRSA63D-512X	MG RESISTOR	5.1kΩ 1/16W D	
C559	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z		R342	NRSA63D-242X	MG RESISTOR	2.4kΩ 1/16W D	
C560	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z		R345	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
C563	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z		R346	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
C564	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z		R347	NRSA63J-203X	MG RESISTOR	20kΩ 1/16W J	
C701	NCB21CK-105X	C CAPACITOR	1uF 16V K		R348	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
C702	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R349	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
C703	NCB30JK-105X	C CAPACITOR	1uF 6.3V K		R350	NRSA63J-751X	MG RESISTOR	750Ω 1/16W J	
C704	NCF31AZ-105X	C CAPACITOR	1uF 10V Z		R351	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
C705	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z		R352	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
C706	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z		R353	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
C707	NEAF1CM-106X	E CAPACITOR	10uF 16V M		R357	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
C708	NEAF1CM-106X	E CAPACITOR	10uF 16V M		R358	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
C709	NEAF0JM-476X	E CAPACITOR	47uF 6.3V M		R359	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
C712	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z		R360	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
C713	NEAF1CM-106X	E CAPACITOR	10uF 16V M		R362	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
C714	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z		R367	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
C715	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z		R372	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C716	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z		R373	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C717	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z		R374	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C718	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z		R375	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C722	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z		R376	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
					R377	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R101	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R378	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R102	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R383	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R103	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J		R384	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R104	NRSA63J-432X	MG RESISTOR	4.3kΩ 1/16W J		R385	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R105	NRS181J-180X	MG RESISTOR	18Ω 1/8W J		R392	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R106	NRSA63J-2R2X	MG RESISTOR	2.2Ω 1/16W J		R393	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R107	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R394	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R108	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J		R452	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R109	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J		R453	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R111	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J		R454	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R112	NRSA63J-432X	MG RESISTOR	4.3kΩ 1/16W J		R455	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R113	NRS181J-180X	MG RESISTOR	18Ω 1/8W J		R456	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R114	NRSA63J-2R2X	MG RESISTOR	2.2Ω 1/16W J		R457	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R115	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R458	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R116	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J		R461	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R117	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J		R463	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R125	NRSA63J-1R0X	MG RESISTOR	1Ω 1/16W J		R464	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R126	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R465	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R127	NRSA63J-432X	MG RESISTOR	4.3kΩ 1/16W J		R535	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R128	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J		R541	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R202	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R701	NRSA63J-2R2X	MG RESISTOR	2.2Ω 1/16W J	
R204	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J		R703	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R205	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J		R704	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R206	NRSA63J-303X	MG RESISTOR	30kΩ 1/16W J		R705	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R207	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		R706	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R213	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R707	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R214	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R708	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R219	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J		R714	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R220	NRSA63J-243X	MG RESISTOR	24kΩ 1/16W J		R715	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R221	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J		R716	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R251	NRS125J-R39X	MG RESISTOR	0.39Ω 1/2W J		R717	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R259	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R719	NRSA63J-5R1X	MG RESISTOR	5.1Ω 1/16W J	
R301	NRS181J-0R0X	MG RESISTOR	0Ω 1/8W J		R720	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R303	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J		R722	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R306	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R731	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R307	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R732	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R308	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J						
R309	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J		CN101	QGF0523F1-25W	CONNECTOR	FFC/FPC (1-25)	
R310	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		CN201	QGF1016F2-08W	CONNECTOR	FFC/FPC (1-8)	
R316	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		CN451	QGF1016F2-15W	CONNECTOR	FFC/FPC (1-15)	
R319	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		CN452	QGA2001F2-02X	CONNECTOR	W-B (1-2)	
R324	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J		CN453	QGA2001F2-03X	CONNECTOR	W-B (1-3)	
R325	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J		CN701	QGF1016F2-28W	CONNECTOR	FFC/FPC (1-28)	
R326	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J		CN702	QGF1016F2-10W	CONNECTOR	FFC/FPC (1-10)	
R327	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J		CN703	QGF1016F2-08W	CONNECTOR	FFC/FPC (1-8)	
R330	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J		K351	NQR0502-001X	FERRITE BEADS		
R331	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J		K352	NQR0502-001X	FERRITE BEADS		
R332	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J		K454	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R334	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J		K455	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R335	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J		K456	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R336	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J		K501	NQR0502-001X	FERRITE BEADS		
R337	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J		K710	NQR022-002X	FERRITE BEADS		
R338	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		K732	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R339	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		K733	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	



△ Symbol No.	Part No.	Part Name	Description	Local
K734	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K735	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K736	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K737	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K738	NQR0022-005X	FERRITE BEADS		
K741	NQR0022-002X	FERRITE BEADS		
K744	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K748	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K749	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K750	NQR0022-002X	FERRITE BEADS		
K752	NQR0022-002X	FERRITE BEADS		
K754	NQR0022-002X	FERRITE BEADS		
K756	NQR0022-002X	FERRITE BEADS		
K758	NQR0022-002X	FERRITE BEADS		
TH301	NAD0025-103X	N THERMISTOR	10kΩ	
X301	NAX0741-001X	CRYSTAL		
X451	NAX0248-001X	C OSCILLATOR	8.000MHz	

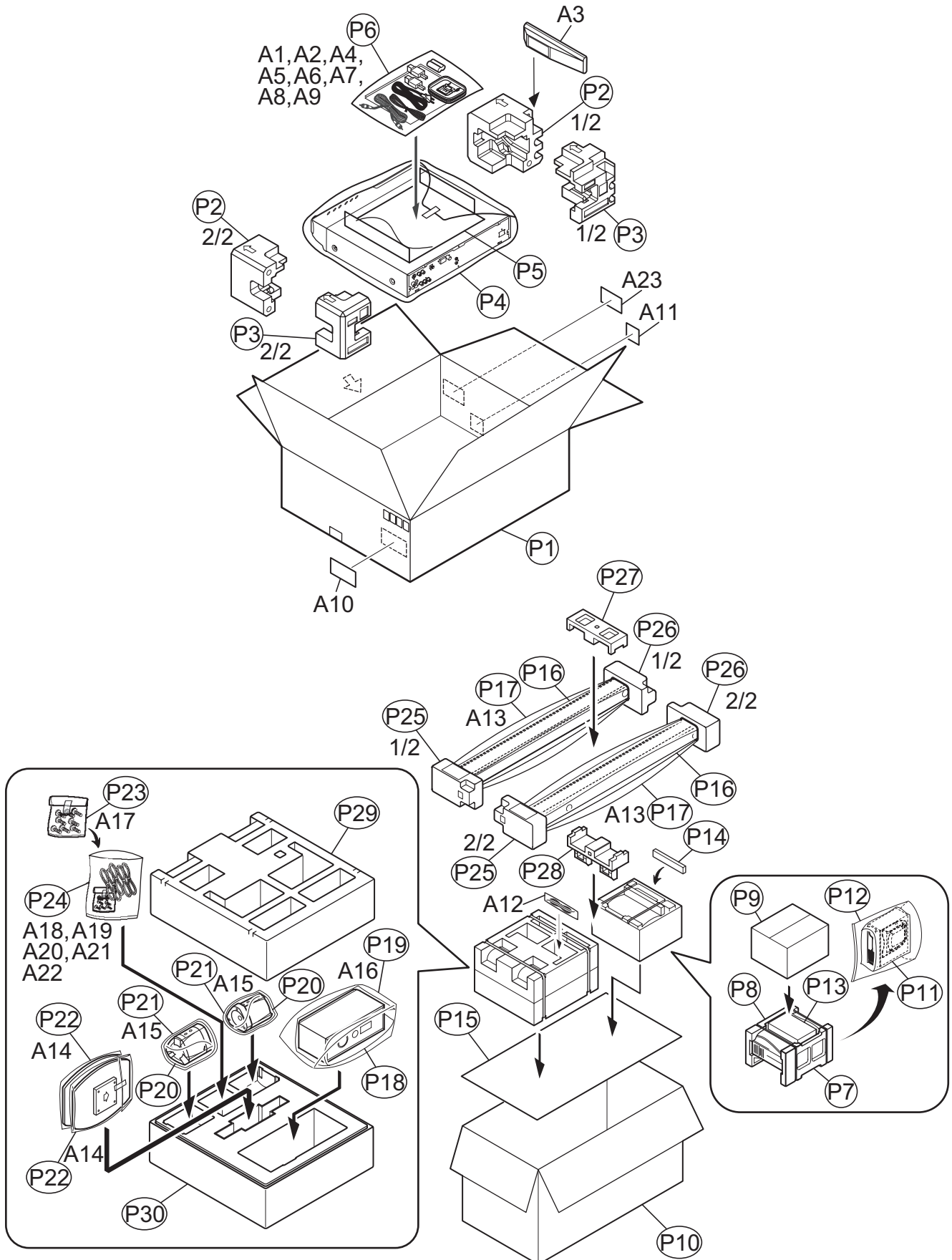
## Loading board

Block No. [0][7]

△ Symbol No.	Part No.	Part Name	Description	Local
IC1	LB1641	IC		
IC2	LB1641	IC		
D1	MTZJ6.2A-T2	Z DIODE		
C1	QEKC1AM-107Z	E CAPACITOR	100uF 10V M	
C2	QCBB1HK-104Y	C CAPACITOR	0.1uF 50V K	
C3	QFLC1HJ-103Z	M CAPACITOR	0.01uF 50V J	
C5	QFLC1HJ-103Z	M CAPACITOR	0.01uF 50V J	
C6	QCBB1HK-104Y	C CAPACITOR	0.1uF 50V K	
C7	QCBB1HK-104Y	C CAPACITOR	0.1uF 50V K	
CN1	QGF1036F1-15	CONNECTOR	FFC/FPC (1-15)	
CN2	QGB2024K1-07S	CONNECTOR	B-B (1-7)	
CN3	QGB2024J1-07S	CONNECTOR	B-B (1-7)	
SW1	QSW0844-001	PUSH SWITCH		
SW2	QSW0844-001	PUSH SWITCH		
SW3	QSW0844-001	PUSH SWITCH		
SW4	QSW0844-001	PUSH SWITCH		
SW5	QSW0844-001	PUSH SWITCH		
SW6	QSW0854-002	PUSH SW		
SW8	QSW0923-001	DETECT SWITCH		

# Packing materials and accessories parts list

Block No. M 3 M M



# Packing and Accessories

Block No. [M][3][M][M]

△	Symbol No.	Part No.	Part Name	Description	Local
	A 1	GVT0150-007A	INSTRUC.BOOK	CHI(TAIWAN)	UT
	A 1	GVT0150-008A	INSTRUC.BOOK	ENG	UG,UN,US,UX
	A 2	GVT0150-005A	INSTRUC.BOOK	CHI(PEKIN)	UN,US
	A 2	GVT0150-006A	INSTRUC.BOOK	ARA PER	UG,UX
	A 3	RM-STHC7U	REMOTE CON.		
△	A 4	QMPS310-183-JD	POWER CORD(EU)	1.83m BLACK	UT
△	A 4	QMPL060-183-JD	POWER CORD(EU)	1.83m BLACK	UG,UN,US,UX
	A 5	-----	BATTERY	(x2)	
	A 6	QAM0216-001	SIGNAL CORD		
	A 7	QAL0014-001	AM LOOP ANT		
	A 8	QAL0457-001	ANT.WIRE		
△	A 9	QAM0112-002	PLUG ADAPTOR	(x2)	UG,UN,US
	A 10	CL0020-001	COMPUTER LABEL		
	A 11	GV30781-001A	UT LABEL		UT
	A 12	6200044901	DIN CABLE		
	A 13	AB100062-01	SPEAKER BOX	FRONT(x2)	
	A 14	9910009001	STAND BASE ASSY	(x2)	
	A 15	AB080070-01	SPEAKER BOX	SURROUND(x2)	
	A 16	AB100063-01	SPEAKER BOX	CENTER	
	A 17	7000743306	SCREW	(x8)	
	A 18	6200045901	SPK CORD-C	CENTER	
	A 19	6200045911	SPK CORD-FR	FRONT RIGHT	
	A 20	6200045921	SPK CORD-FL	FRONT LEFT	
	A 21	6200045931	SPK CORD-SR	SURROUND RIGHT	
	A 22	6200045941	SPK CORD-SL	SURROUND LEFT	
	A 23	LE40796-001A	VERANCE LABEL		
	P 1	GV20374-003A	CARTON ASSY		UN,US,UT
	P 1	GV20374-004A	CARTON ASSY		UG,UX
	P 2	GV20325-001A	CUSHION(FRONT)		
	P 3	GV20326-001A	CUSHION(REAR)		
	P 4	QPC05006515P	POLY BAG	50cm x 65cm	
	P 5	GV30779-001A	CARTON SPACER		
	P 6	QPA02503505P	POLY BAG	25cm x 35cm	
	P 7	LV22024-001A	TOP CUSHION		
	P 8	LV22024-002A	BOTTOM CUSHION		
	P 9	LV36099-001A	PACKING CASE		
	P 10	LV35831-045A	PACKING CASE		UG,UN,US,UT
	P 10	LV35831-046A	PACKING CASE		UX
	P 11	8500051891	MIRROR MAT		
	P 12	8500051991	POLY BAG		
	P 13	LV44368-001A	CUSHION		
	P 14	LV44369-001A	CUSHION		
	P 15	LV44370-001A	PARTITION		
	P 16	8500055511	MIRROR MAT	(x2)	
	P 17	8500059151	POLY BAG	(x2)	
	P 18	8500059271	MIRROR MAT SHEET		
	P 19	8500059161	POLY BAG		
	P 20	8500048061	MIRROR MAT	(x2)	
	P 21	8500043421	POLY BAG	(x2)	
	P 22	8500055861	MIRROR MAT BAG	(x2)	
	P 23	8500047101	POLY BAG		
	P 24	8500032771	POLY BAG		
	P 25	LV36127-001A	TOP CUSHION		
	P 26	LV36127-002A	BOTTOM CUSHION		
	P 27	LV22129-001A	CENTER CUSHION		
	P 28	LV22129-002A	CENTER CUSHION		
	P 29	LV22105-001A	TOP CUSHION		
	P 30	LV22105-002A	BOTTOM CUSHION		