JVC

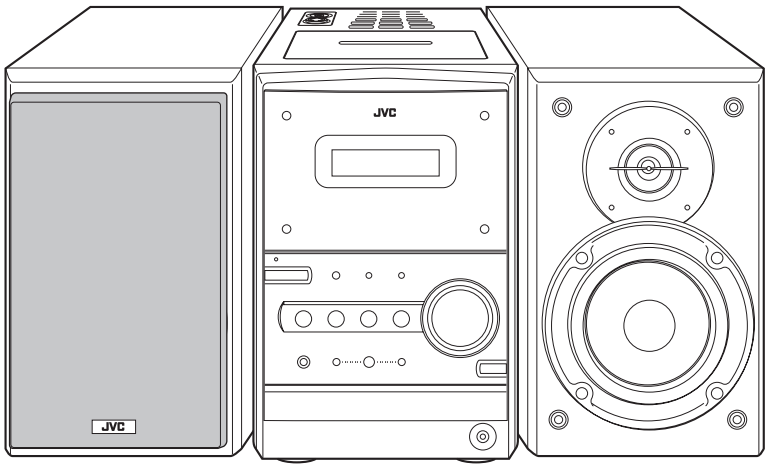
SERVICE MANUAL

MICRO COMPONENT SYSTEM

UX-P550

Area suffix

US ---------- Singapore
UB ---------- Hong Kong
UW ---------- Brazil,Mexico,Peru
UX ---------- Saudi Arabia
UJ ---------- U.S.Military
UN ---------- Asean



SP-UXP550 CA-UXP550 SP-UXP550

TABLE OF CONTENTS

No.MB286
2004/7

SPECIFICATION

Amplifier section	Output Power		HIGH:40 W (20 W + 20 W) at 4 Ω (10% THD)
			LOW:40 W (20 W + 20 W) at 4 Ω (10% THD)
	Audio Input		AUX:400 mV/50 k Ω
	Digital output		DVD OPTICAL DIGITAL OUT:-21 dBm to -15 dBm (660 nm ±30 nm)
	Video output		Color system:NTSC/PAL selectable
	VIDEO (composite)		1 V(p-p)/75 Ω
	S-VIDEO		Y (luminance):1 V(p-p)/75 Ω
			C (chrominance, burst):0.286 V(p-p)/75 Ω
	COMPONENT		(Y):1 V(p-p)/75 Ω
			(PB/PR):0.7 V(p-p)/75 Ω
	Speakers/Impedance		4 Ω - 16 Ω
Tuner section	FM tuning range		87.5 MHz - 108.0 MHz
	AM (MW) tuning range		531 kHz - 1 710 kHz (at 9 kHz intervals) 530 kHz - 1 710 kHz (at 10 kHz intervals)
Tape section	Frequency response		60 Hz - 14 000 Hz
	Wow and flutter		0.15% (WRMS)
Disc player section	Playable disc		DVD Video/DVD Audio CD/VCD/SVCD CD-R/CD-RW (CD/SVCD/VCD/MP3/WMA/JPEG format) DVD-R/DVD-RW (Video format)
	Dynamic range		90 dB
	Horizontal resolution		500 lines
	Wow and flutter		Immeasurable
Speakers	Speaker units	HIGH	4 cm cone × 1
		LOW	10 cm cone × 1
	Impedance	HIGH	4 Ω
		LOW	4 Ω
	Dimensions (approx.)		145 mm × 230 mm × 202 mm (W/H/D)
	Mass (approx.)		2.2 kg each
General	Power requirement		AC 110 V/AC 127 V/AC 220 V/ AC 230 V - AC 240 V (adjustable with the voltage selector) 50 Hz/60 Hz
	Power consumption		90 W (at operation) 4.9 W (on standby)
	Dimensions (approx.)		170 mm × 230 mm × 311 mm (W/H/D)
	Mass (approx.)		5.6 kg

Designs and Specifications are subject to change without notice.

SECTION 1
PRECAUTION

1.1 Safety Precautions

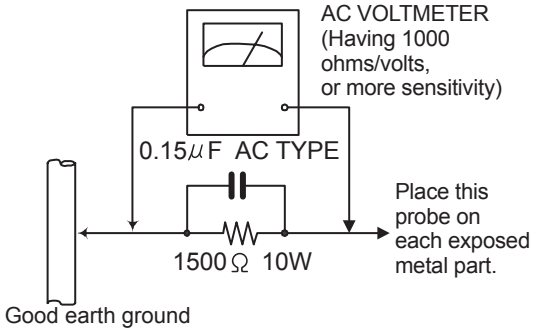
(1) This design of this product contains special hardware and many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the 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 manufacturers warranty and will further relieve the manufacture of responsibility for personal injury or property damage resulting therefrom.

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

(4) The leads in the products are routed and dressed with ties, clamps, tubings, barriers and the like to be separated from live parts, high temperature parts, moving parts and/or sharp edges for the prevention of electric shock and fire hazard. When service is required, the original lead routing and dress should be observed, and it should be confirmed that they have been returned to normal, after 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 parts of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground. Any leakage current must not exceed 0.5mA AC (r.m.s.).
- Alternate check method
Plug the AC line cord directly into the AC outlet. Use an AC voltmeter having, 1,000Ω per volt or more sensitivity in the following manner. Connect a 1,500Ω 10W resistor paralleled by a 0.15μF AC-type capacitor between an exposed metal part and a known good earth ground.
Measure the AC voltage across the resistor with the AC voltmeter.
Move the resistor connection to 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 preforming 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 " ⚠ " 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 dose not Except the J and C version)

1.5 Preventing static electricity

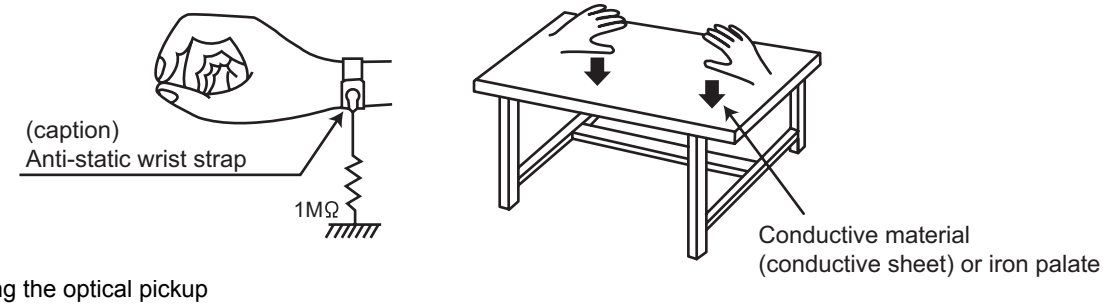
Electrostatic discharge (ESD), which occurs when static electricity stored in the body, fabric, etc. is discharged, can destroy the laser diode in the traverse unit (optical pickup). Take care to prevent this when performing repairs.

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.

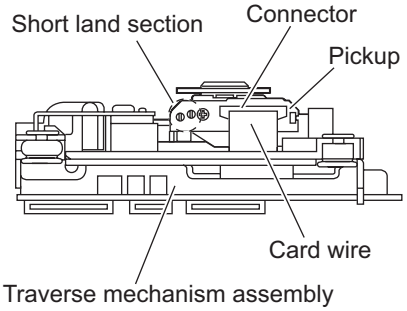
1.6 Handling the traverse unit (optical pickup)

(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) I t 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 connecto 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 inter lock 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 EXPOSUREBTO BEAM.

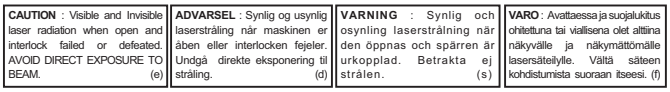
ADVARSEL : Synlig og usynlig laserstråling når maskinen er åben eller interlocken fejler. Undgå direkte eksponering til stråling.

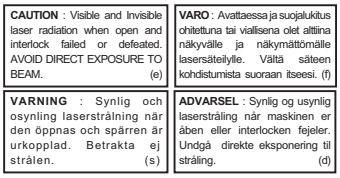
VARNING : Synlig och osynlig laserstråling när den öppnas och spärren är urkopplad. Betrakta ej strålen.

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

REPRODUCTION AND POSITION OF LABELS

WARNING LABEL





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 side panels L/R (See Figs.1 to 4)

(1) From the back side of the main body, remove the four screws **A** attaching the side panels L/R to the rear panel. (See Fig.1.)
(2) From the bottom side of the main body, remove the two screws **B** attaching the side panels L/R to the bottom chassis. (See Fig.2.)
(3) From the both sides of the main body, release the engagement sections (**a**, **b**) of the side panels L/R from the top cover assembly in the direction of the arrow. (See Figs.3 and 4.)
(4) Remove the side panels L/R toward this side.

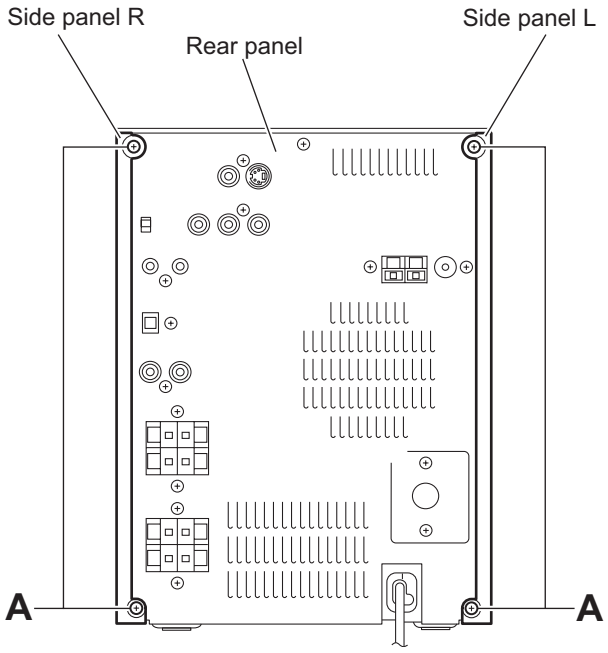


Fig.1

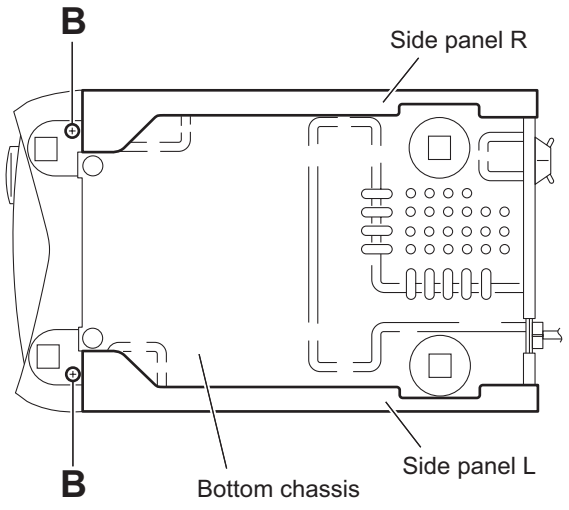


Fig.2

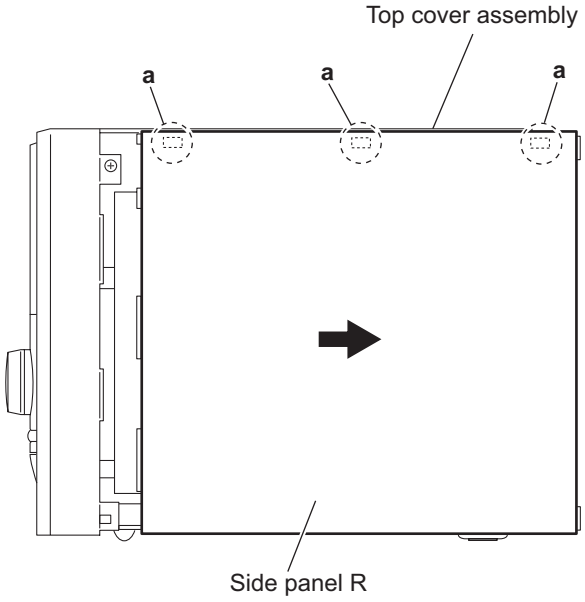


Fig.3

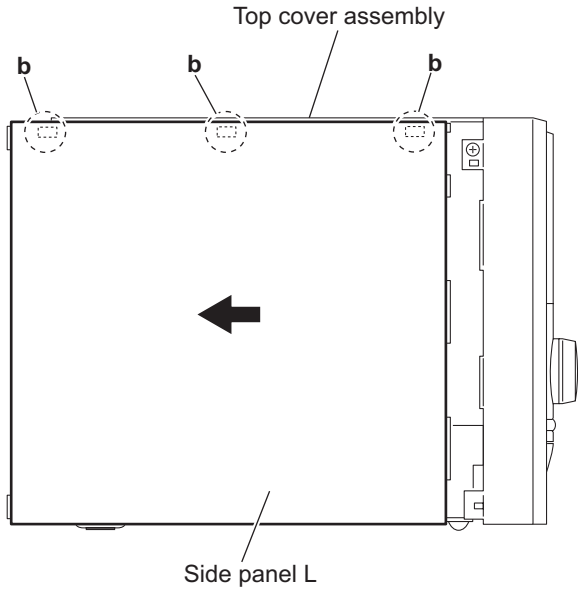


Fig.4

3.1.2 Removing the front panel assembly (See Figs.5 to 8)

- Prior to performing the following procedures, remove the side panels L/R.
  (1) From the right side of the main body, push the slide cam and pull the tray out of the main body in the direction of the arrow 1. (See Fig.5.)
  (2) Remove the tray fitting from the tray in the direction of the arrow 2. (See Fig.5.)
  (3) From the both sides of the main body, remove the two screws **C** attaching the front panel assembly. (See Figs.6 and 7.)
  (4) Release the two claws **c** and claws **d** to draw out the front panel assembly in the direction of the arrow. (See Figs.6 and 7.)
  (5) From the right side of the main body, disconnect the card wire from the connector CN730 on the main board. (See Fig.8.)
  (6) Disconnect the wire from the connector CN270 on the main board. (See Fig.8.)
  (7) Remove the front panel assembly in the direction of the arrow. (See Fig.8.)

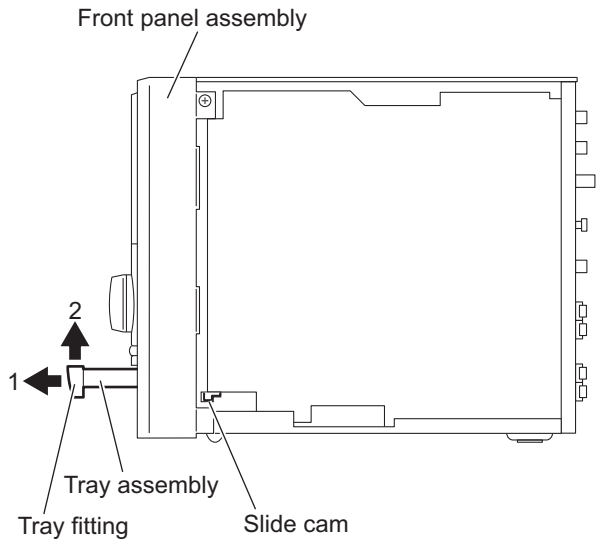


Fig.5

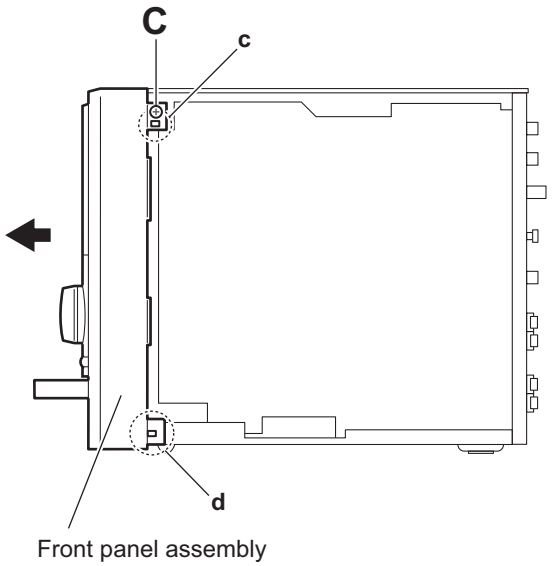


Fig.6

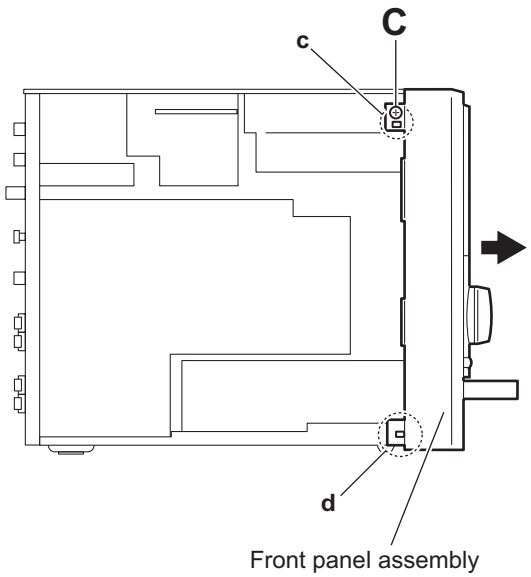


Fig.7

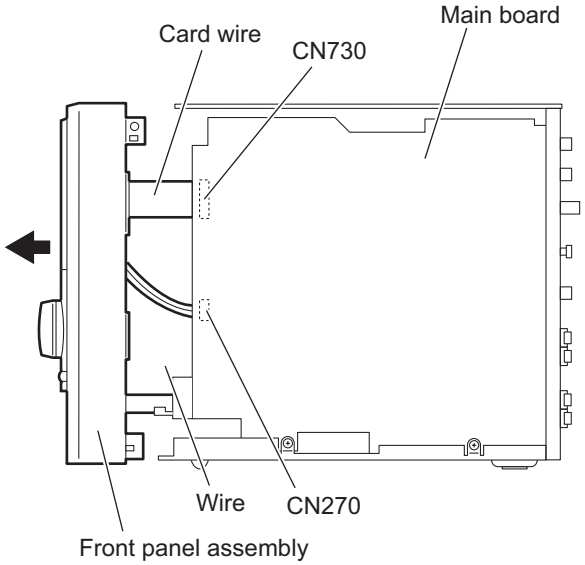


Fig.8

3.1.3 Removing the top cover assembly (See Figs.9 to 11)

- Prior to performing the following procedures, remove the side panels L/R and front panel assembly.
  (1) From the back side of the main body, remove the screw **D** attaching the top cover assembly to the rear panel. (See Fig.9.)
  (2) From the right side of the main body, disconnect the card wires from the connectors (CN701, CN702) on the main board. (See Fig.10.)
  (3) From the left side of the main body, disconnect the card wire from connector CN601 on the microphone amplifier board. (See Fig.11.)

  Reference:
  When reassembling, pass the card wire through the section **e** of the microphone amplifier board before connecting the card wire to the connector CN601. (See Fig.11.)
  (4) Take out the top cover assembly from the main body.

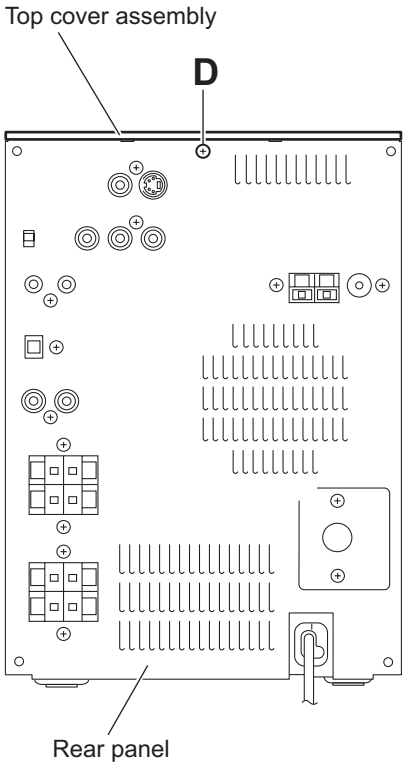


Fig.9

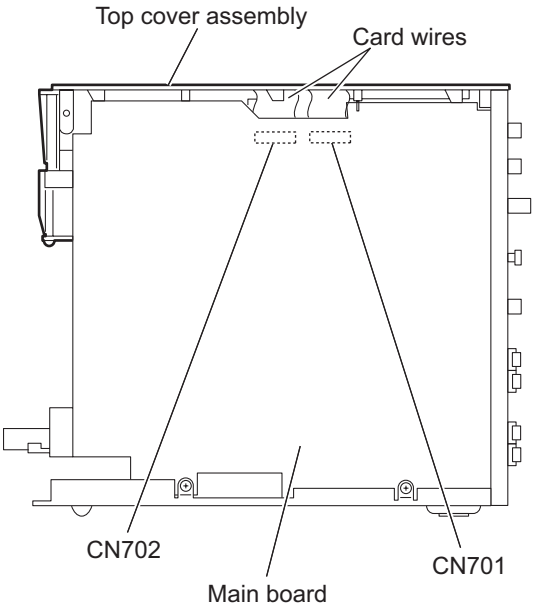


Fig.10

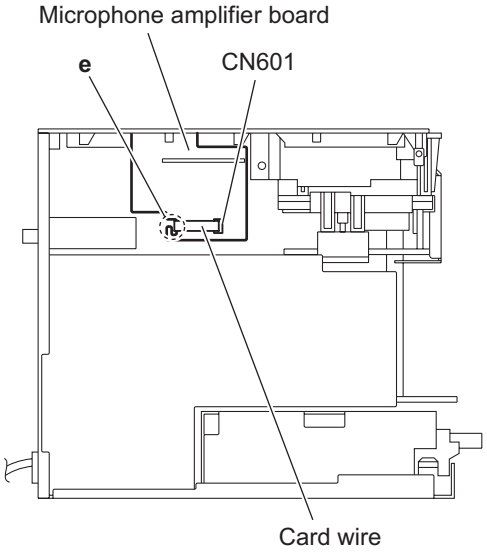


Fig.11

3.1.4 Removing the cassette mechanism assembly (See Fig.12)

- Prior to performing the following procedures, remove the side panels L/R, front panel assembly and top cover assembly.
  (1) From the bottom side of the top cover assembly, disconnect the card wires from the connectors (CN33, CN34) on the head amp. & mechanism control board.
  (2) Remove the four screws **E** and csrew **F** attaching the cassette mechanism assembly and take out the cassette mechanism assembly from the top cover assembly.

3.1.5 Removing the microphone amplifier board (See Fig.12)

- Prior to performing the following procedures, remove the side panels L/R, front panel assembly and top cover assembly.
  (1) From the bottom side of the top cover assembly, remove the two screws **G** attaching the echo board and remove the echo board.
  (2) Take out the microphone amplifier board from the top cover assembly.

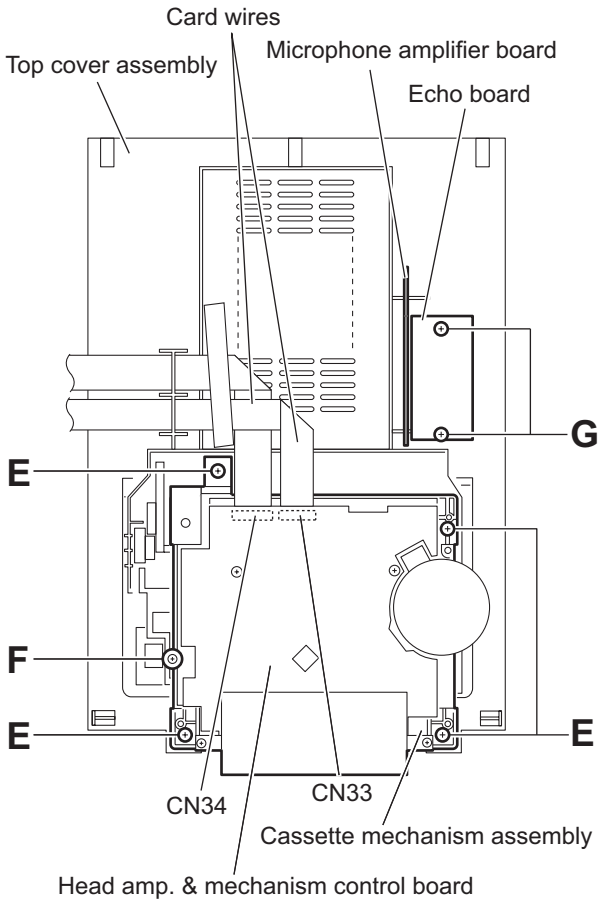


Fig.12

3.1.6 Removing the rear panel (See Fig.13)

- Prior to performing the following procedures, remove the side panels L/R.
  (1) From the back side of the main body, remove the fourteen screws **H** attaching the rear panel.
  (2) Release the engagement sections **f** and remove the rear panel.

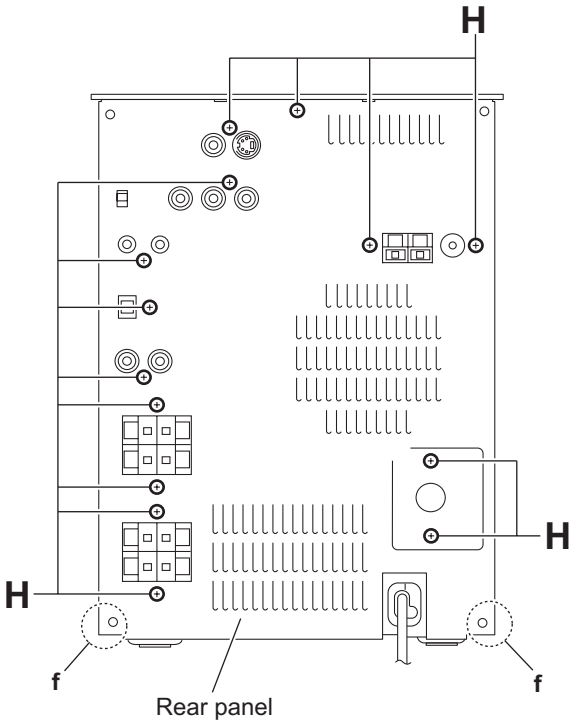


Fig.13

3.1.7 Removing the tuner
(See Fig.14)

- Prior to performing the following procedures, remove the side panels L/R and rear panel.
  Disconnect the card wire from the connector CN1 on the tuner.

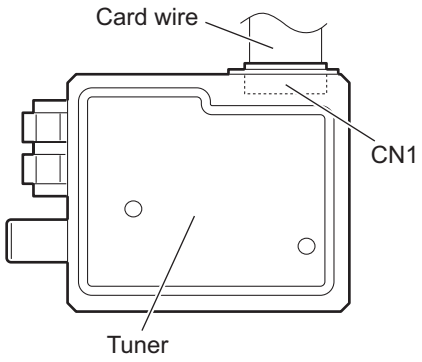


Fig.14

3.1.8 Removing the video board
(See Fig.15)

- Prior to performing the following procedures, remove the side panels L/R and rear panel.
  (1) From the forward side of the video board, disconnect the card wires from connectors (CN300, CN302).
  (2) Disconnect the wire to the connector CN301 on the video board.

Reference:
After connecting the wire to the connector CN301, fix it with the wire holder as before.

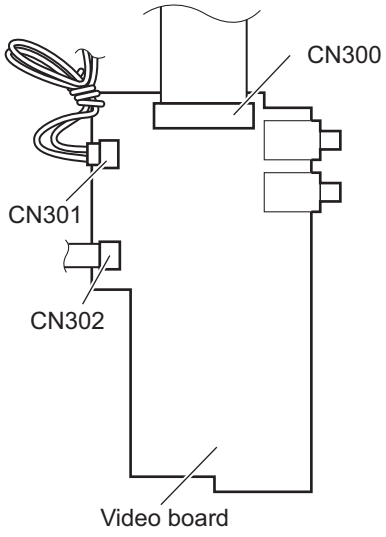


Fig.15

3.1.9 Removing the fan
(See Figs.15 and 16)

- Prior to performing the following procedures, remove the side panels L/R, front panel assembly, top cover assembly and rear panel.
  (1) From the forward side of the video board, disconnect the wire from connector CN301. (See Fig.15.)

  Reference:
  After connecting the wire to the connector CN301, fix it with the wire holder as before.

  (2) From the back side of the main body, remove the two screws **J** attaching the fan to the fan bracket B. (See Fig.16.)

  Reference:
  When removing the fan with the fan bracket B, remove the two screws **K** attaching the fan bracket B to the heat sink B. (See Fig.16.)

  (3) Take out the fan from the main body.

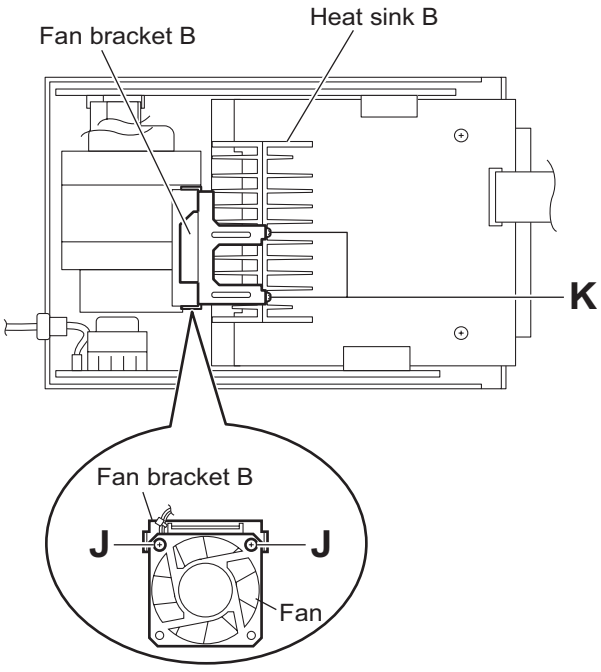


Fig.16

3.1.10 Removing the main board (See Fig.17)

- Prior to performing the following procedures, remove the side panels L/R, front panel assembly, top cover assembly, tuner and rear panel.
  (1) From the right side of the main body, remove the wire locater.

  Reference:
  After attaching the main board, attach the wire locater as before.
  (2) Remove the two screws **L** attaching the main board.
  (3) Remove the main board toward this side and disconnect the connector CN200 on the main board.
  (4) From the forward side of the main board, disconnect the card wires from the connectors (CN210, CN220, CN710, CN720).

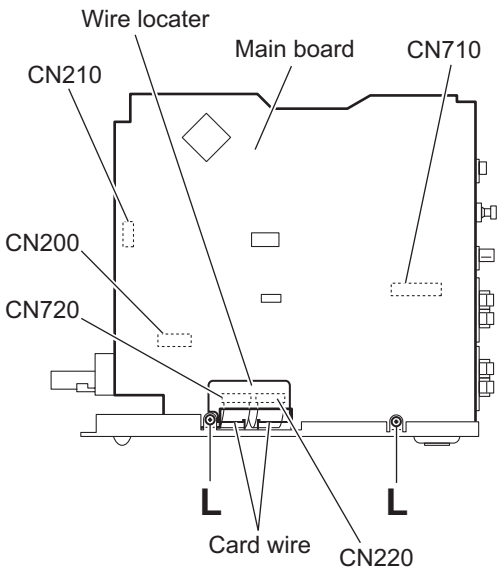


Fig.17

3.1.11 Removing the power supply board (See Fig.18)

- Prior to performing the following procedures, remove the side panel L and rear panel.
  (1) From the left side of the main body, remove the two screws **M** attaching the power supply board.
  (2) Remove the power supply board toward this side and disconnect the connector CN104 on the power supply board.
  (3) From the forward side of the power supply board, disconnect the wires from the connectors (CN101, CN102, CN103, CN105).

Reference:
When attaching the power supply board, insert the section **g** of the power supply board in the hole of the bottom chassis before attaching the two screws **M**.

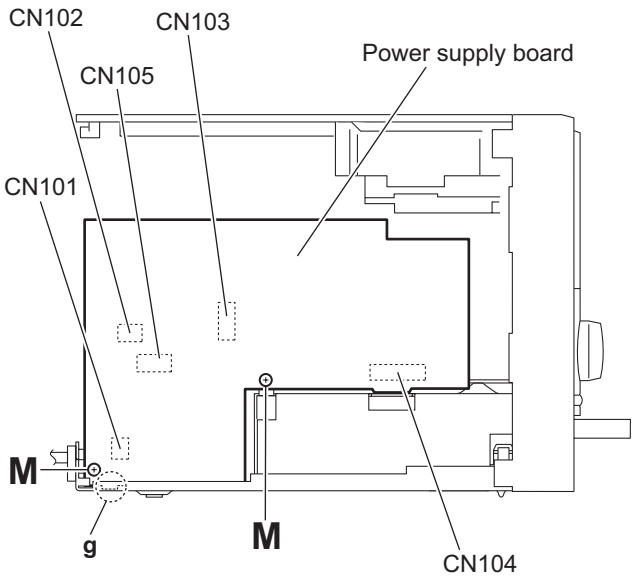


Fig.18

3.1.12 Removing the power amplifier board (See Fig.19)

- Prior to performing the following procedures, remove the side panels L/R, front panel assembly, top cover assembly, rear panel, tuner, video board, main board and power supply board.
  (1) From the top side of the main body, disconnect the card wire from the connector CN404 on the power amplifier board.
  (2) Remove the four screws **N** attaching the power amplifier board.
  (3) Lift the power amplifier board and remove it from the engagement sections (**h**, **i**) of the shield case.

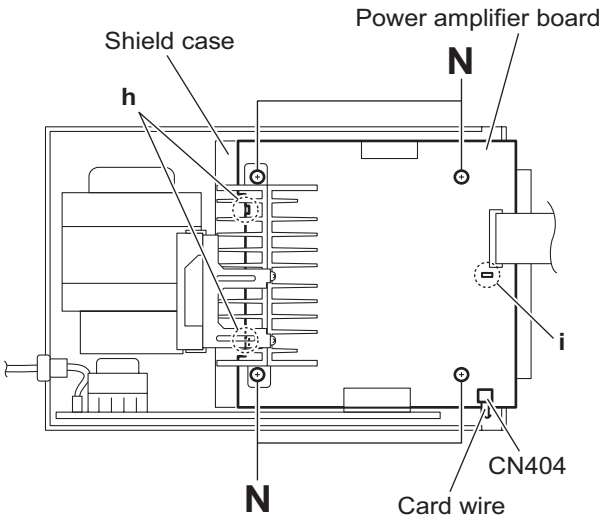


Fig.19

3.1.13 Removing the heat sink B and heat sink (See Figs.20 and 21)

- Prior to performing the following procedure, remove the side panels L/R, front panel assembly, top cover assembly, rear panel and fan.
  (1) From the front side of the main body, remove the three screws **P** attaching the heat sink B to the heat sink. (See Fig.20.)
  (2) From the back side of the main body, remove the three screws **Q** attaching the heat sink to the power amplifier board. (See Fig.21.)
  (3) From the top side of the main body, remove the two screws **R** attaching the heat sink to the power amplifier board. (See Fig.21.)

Reference:

Remove the tuner and video board as required.(See Figs.14 and 15.)

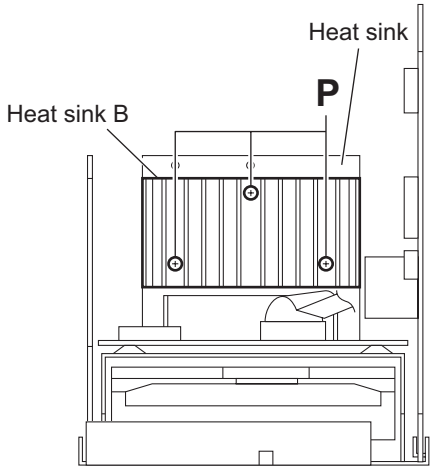


Fig.20

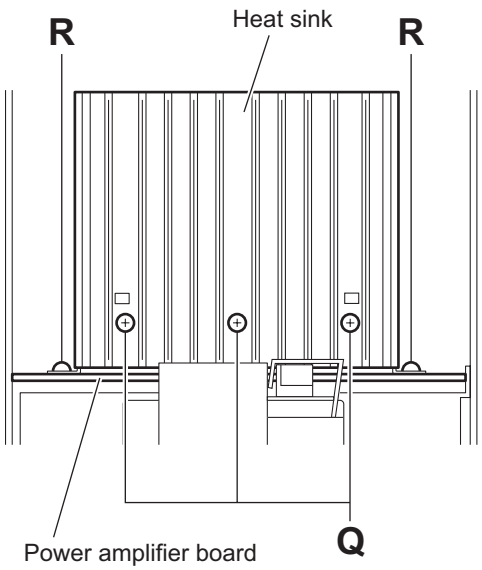


Fig.21

3.1.14 Removing the DVD mechanism assembly (See Figs.22 and 23)

- Prior to performing the following procedures, remove the side panels L/R, front panel assembly, top cover assembly, rear panel, tuner, video board, main board and power supply board.
  (1) From the top side of the main body, remove the four screws **S** attaching the shield case to the bottom chassis. (See Fig.22.)

  Reference:

  When attaching the shield case on the bottom chassis, align the projections (**j**, **k**, **m**, **n**) of the bottom chassis in the holes of the shield case. (See Fig.22.)
  (2) Take out the shield case with the power amplifier board from the bottom chassis.
  (3) Remove the three screws **T** attaching the DVD mechanism assembly to the bottom chassis. (See Fig.23.)

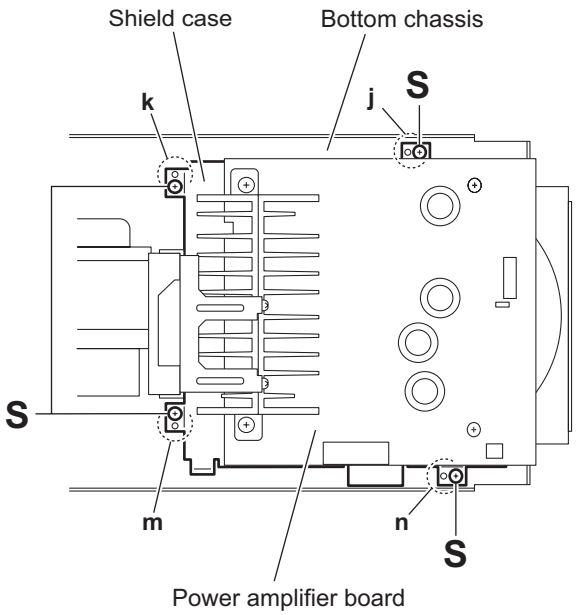


Fig.22

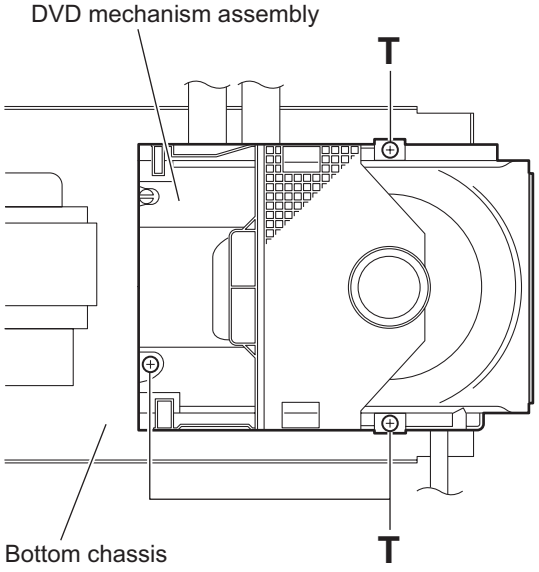


Fig.23

3.1.15 Removing the power transformer (See Figs.24 and 25)

- Prior to performing the following procedures, remove the side panels L/R, front panel assembly, top cover assembly, rear panel, fan and main board.
  (1) From the forward side of the power supply board, disconnect the wires from the connectors (CN102, CN103, CN105). (See Fig.24.)

  Reference:

  Remove the tuner, video board and the power supply board as required. (See Figs.14, 15 and 18.)

  (2) From the top side of the main body, remove the four screws **U** attaching the power transformer. (See Fig.25.)

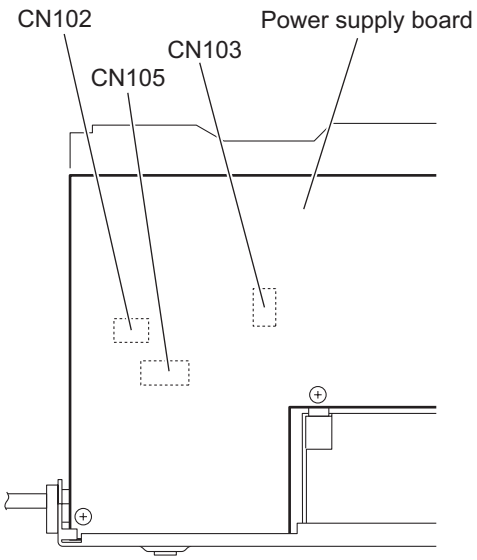


Fig.24

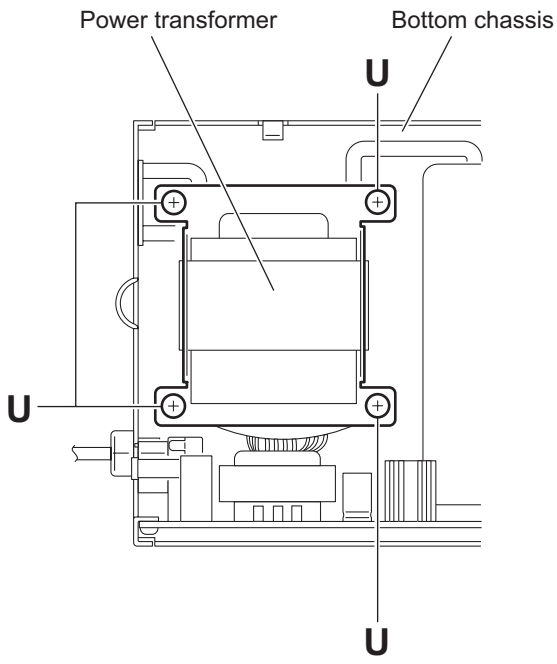


Fig.25

3.1.16 Removing the FL board
(See Fig.26)

- Prior to performing the following procedures, remove the side panels L/R and front panel assembly.
  (1) From the inside of the front panel assembly, remove the three screws **V** and screw **V'** attaching the FL board.

  Reference:
  When attaching the screw **V'**, attach the wire holder with it and fix the wire with the wire holder as before.

  (2) Take out the FL board from the front panel assembly and disconnect the card wire from the connector CN751 on the FL board.

  Reference:
  When attaching the FL board, align the projections **p** of the front panel assembly in the holes of the FL board.

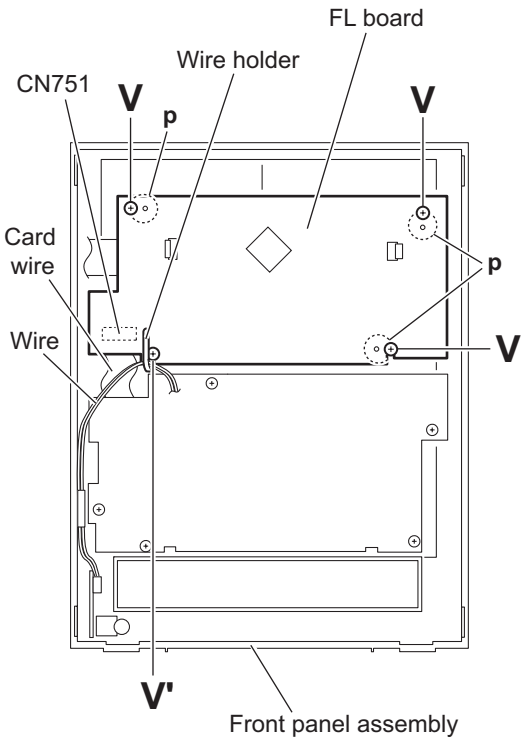


Fig.26

3.1.17 Removing the switch board (See Figs.27 and 28)

- Prior to performing the following procedures, remove the side panels L/R and front panel assembly.
  (1) From the front side of the front panel assembly, pull out the volume knob in to the direction of the arrow. (See Fig.27.)
  (2) From the inside of the front panel assembly, remove the ten screws **W** attaching the switch board. (See Fig.28.)
  (3) Take out the switch board from the front panel assembly and disconnect the card wire from the connector CN760 on the switch board. (See Fig.28.)

Reference:

- When removing the switch board, remove the wire holder as required. (See Fig.26.)
- When attaching the switch board, align the projections **q** of the front panel assembly in the holes of the switch board. (See Fig.28.)

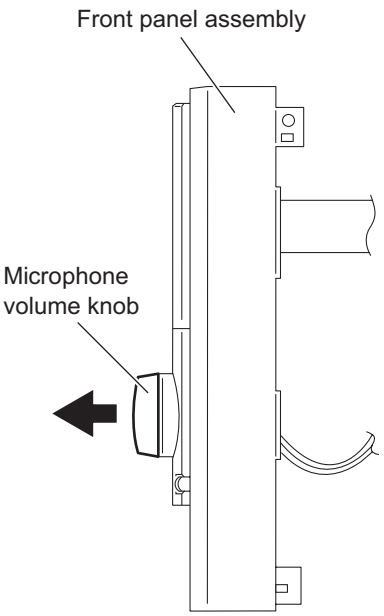


Fig.27

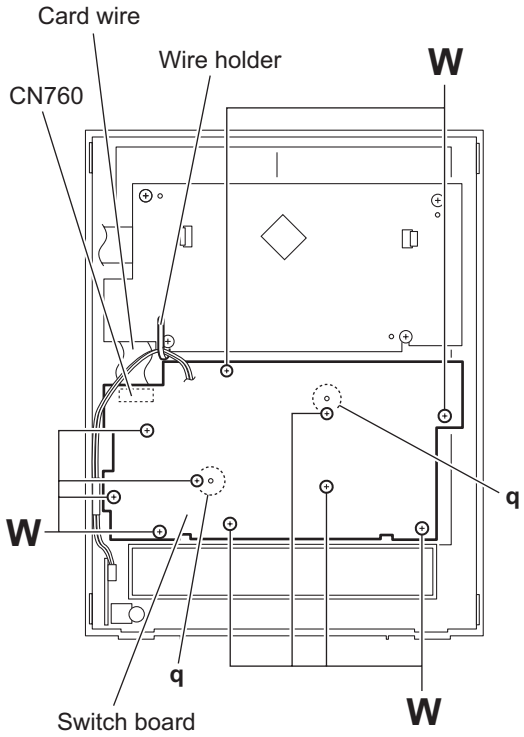


Fig.28

3.1.18 Removing the headphone jack board (See Fig.29)

- Prior to performing the following procedure, remove the side panels L/R and front panel assembly.
  (1) From the inside of the front panel assembly, remove the screw **X** attaching the headphone jack board.
  (2) Take out the headphone jack board from the front panel assembly.

Reference:

After attaching the headphone jack board, fix the wire with the spacer and wire holder as before.

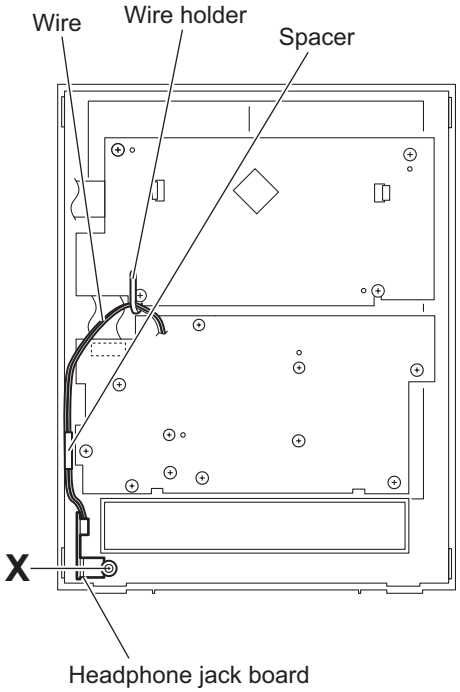


Fig.29

3.2 DVD mechanism section

• Prior to performing the following procedures, remove the DVD mechanism assembly from the main body. (See "3.1.14 Removing the DVD mechanism assembly".)

3.2.1 Removing the tray assembly (See Figs.1 to 3)

(1) From the right side of the DVD mechanism assembly, push the slide cam and pull the tray assembly out of the DVD mechanism assembly in the direction of the arrow. (See Fig.1.)
(2) From the top side of the DVD mechanism assembly, remove the two screws **A** attaching the leaf spring to the bushing and remove the leaf spring. (See Fig.2.)
(3) Remove the bushing of the tray assembly from the projection **a** on the DVD mechanism assembly and move the tray assembly in the direction of the arrow. (See Fig.3.)
(4) Remove the claw **b** of the tray assembly from the DVD mechanism assembly and take out the tray assembly. (See Fig.3.)

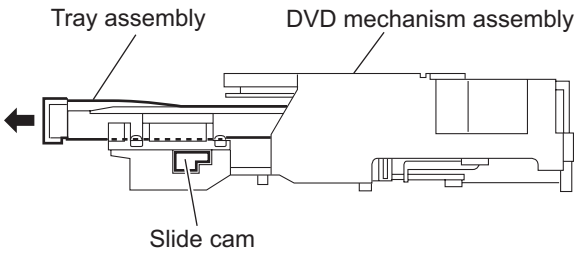


Fig.1

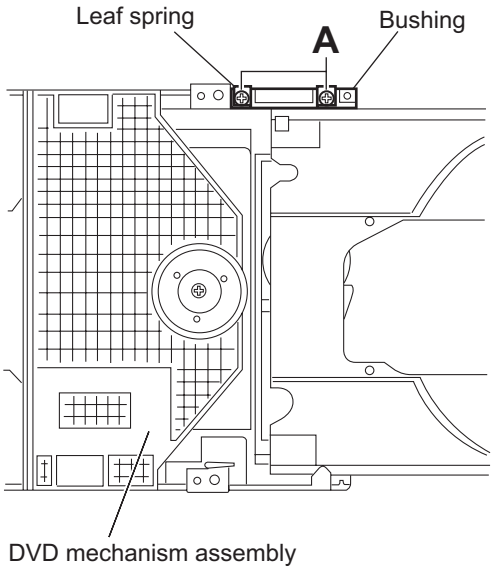


Fig.2

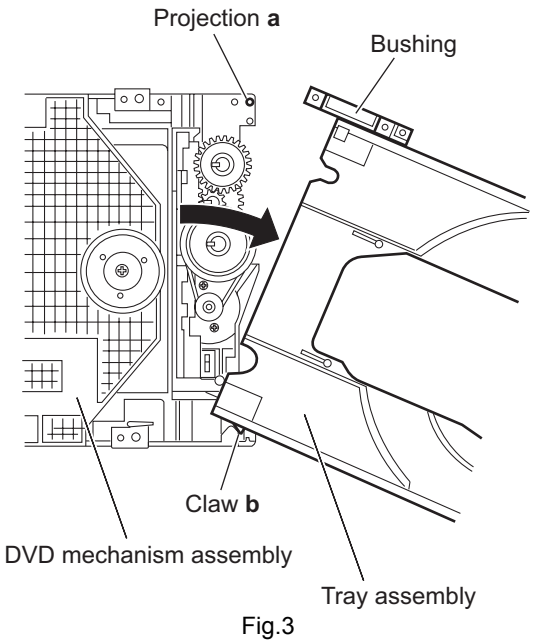


Fig.3

3.2.2 Removing the traverse mechanism assembly (See Figs.4)

(1) From the bottom side of the DVD mechanism assembly, remove the three screws **B** and screw **B'** attaching the traverse mechanism assembly and take out the DVD traverse mechanism assembly with the DVD servo board.

Reference:

When attaching the screw **B'**, attach the washer with it.

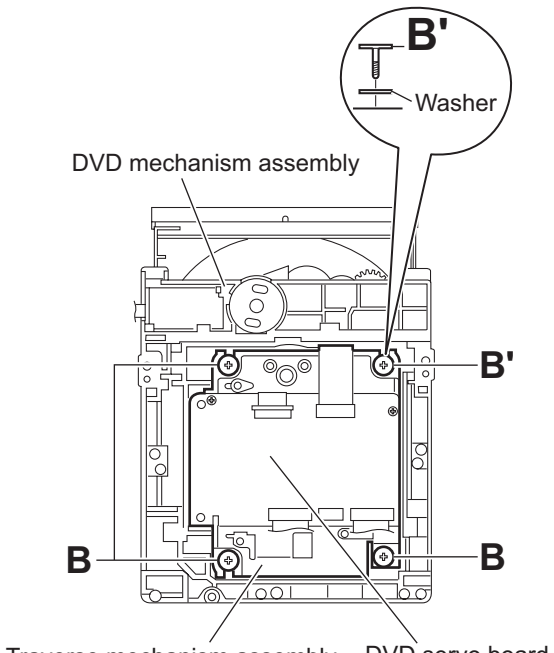


Fig.4

3.2.3 Removing the DVD servo board (See Figs.5 and 6)

- Prior to performing the following procedures, remove the traverse mechanism assembly.

(1) From the side of the traverse mechanism assembly, solder the short land sections **c** on the pickup. (See Fig.5.)

(2) From the bottom side of the traverse mechanism assembly, release the lock of the connector CN101 on the DVD servo board in the direction of the arrow **1** and disconnect the card wire. (See Fig.6.)

Caution:

- Solder the short land sections **c** on the pickup before disconnecting the card wire from the connector CN101 on the DVD servo board. If the card wire is disconnected without attaching solder, the pickup may be destroyed by static electricity. (See Figs.5 and 6.)
- When attaching the DVD servo board, be sure to remove solders from the short land sections **c** after connecting the card wire to the connector CN101 on the DVD servo board. (See Figs.5 and 6.)

(3) Disconnect the card wire from the connector CN201 on the DVD servo board. (See Fig.6.)

(4) Remove the two screws **C** attaching the DVD servo board. (See Fig.6.)

(5) Remove the DVD servo board from the engagement section **d** in an upward and remove the engagement section **f** in the direction 3 while removing the engagement section **e** in the direction of the arrow **2**. (See Fig.6.)

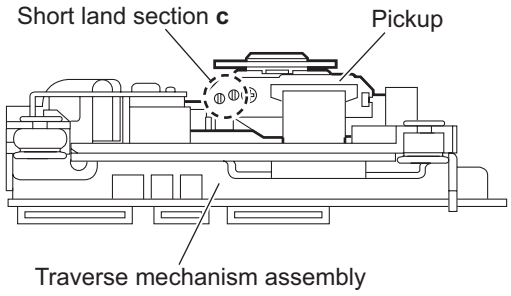


Fig.5

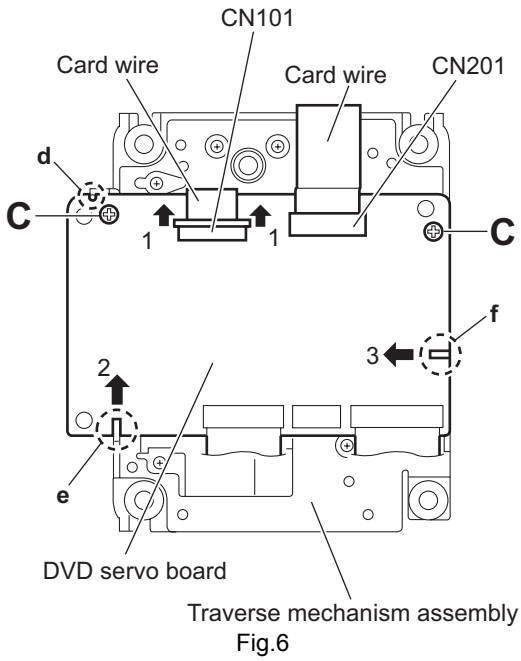


Fig.6

3.2.4 Removing the pickup (See Figs.5,7 to 9)

- Prior to performing the following procedures, remove the traverse mechanism assembly.
  (1) From the side of the traverse mechanism assembly, solder the short land sections **c** on the pickup. (See Fig.5.)
  (2) Release the lock of the connector on the pickup in the direction of the arrow and disconnect the card wire. (See Fig.7.)

  Caution:
  - Solder the short land sections **c** on the pickup before disconnecting the card wire from the connector on the pickup. If the card wire is disconnected without attaching solder, the pickup may be destroyed by static electricity. (See Figs.5 and 7.)
  - When attaching the pickup, be sure to remove solders from the short land sections **c** after connecting the card wire to the connector on the pickup. (See Figs.5 and 7.)

  (3) Remove the screw **D** attaching the plate and thrust spring. (See Fig.7.)
  (4) Remove the engagement section **g** attaching the plate to the feed holder and remove the plate with the thrust spring. (See Fig.7.)
  (5) Remove the shaft of the pickup from the section **h** on the traverse mechanism assembly and remove the shaft from the section **i** while moving it in the direction of the arrow. (See Fig.8.)
  (6) Remove the pickup from the section **j** of the traverse mechanism assembly and take out the pickup with the shaft. (See fig.8.)
  (7) From the bottom side of the pickup, remove the two screws **E** attaching the SW actuator and LEAD spring. (See Fig.9.)
  (8) Pull the shaft out of the pickup. (See Fig.9.)

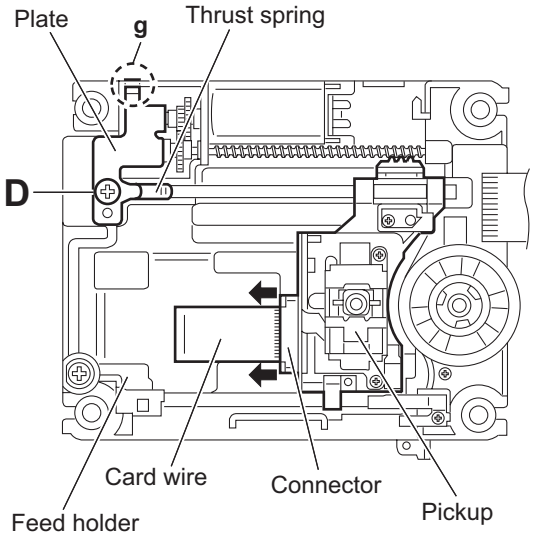


Fig.7

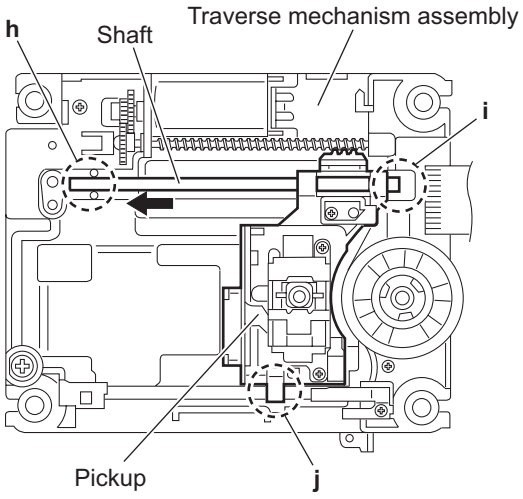


Fig.8

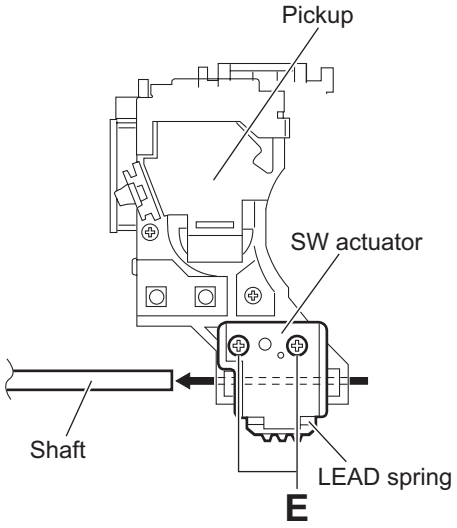


Fig.9

3.2.5 Attaching the pickup (See Figs.5,7 to 10)

- See "3.2.4 Removing the pickup".
  (1) Attach the shaft, SW actuator and LEAD spring to the pick-up. (See Fig.9.)
  (2) Align the pickup to the section **j** of the traverse mechanism assembly first, and set the both ends of the shaft of the pickup in the sections **g** and **i** of the traverse mechanism assembly. (See Fig.8.)
  (3) Attach the plate and thrust spring. (See Fig.7.)
  (4) Remove solders from the short land sections **c** after connecting the card wire to the connector on the pickup. (See Figs.5 and 7.)
  (5) Turn the feed gear **M** in the direction of the arrow **1** to move the pickup in the direction of the arrow **2**. (See Fig.10.)

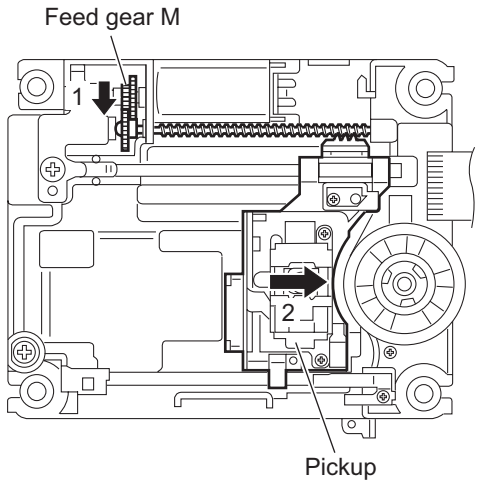


Fig.10

3.2.6 Removing the feed motor (See Figs.7,11 and 12)

- Prior to performing the following procedures, remove the traverse mechanism assembly.
  (1) From the top side of the traverse mechanism assembly, remove the screw **D** attaching the plate and thrust spring. (See Fig.7.)
  (2) Remove the engagement section **g** attaching the plate to the feed holder and remove the plate with the thrust spring. (See Fig.7.)
  (3) Remove the wires from the soldered section **k** on the spindle motor board. (See Fig.11.)

  Reference:

  When attaching the feed motor, pass the wire through the section **m** on the spindle base. (See Fig.11.)
  (4) Remove the feed holder, feed motor, lead screw, feed gear **E** and feed gear **M** at the same time after removing the two screws **F** attaching the feed holder. (See Fig.11.)
  (5) From the side of the feed holder, remove the two screws **G** attaching the feed motor. (See Fig.12.)

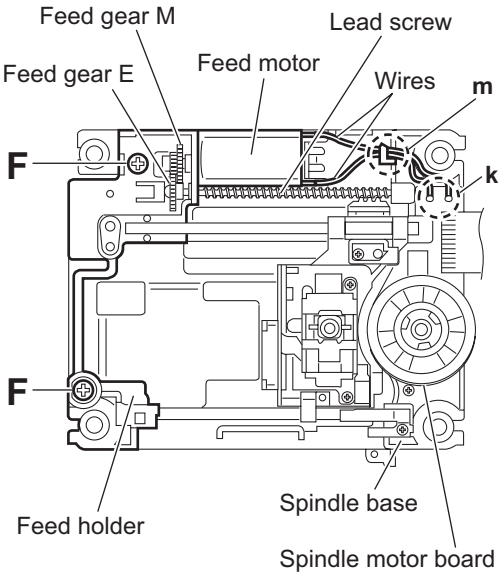


Fig.11

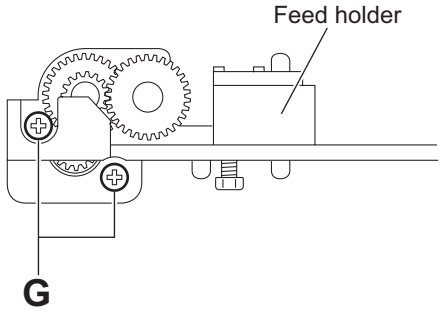


Fig.12

3.2.7 Removing the spindle motor board (See Figs.11 and 13)

- Prior to performing the following procedures, remove the traverse mechanism assembly and DVD servo board.
  (1) From the top side of the traverse mechanism assembly, remove the wires from the soldered section **k** on the spindle motor board. (See Fig.11.)
  (2) From the bottom side of the traverse mechanism assembly, remove the three screws **H** attaching the spindle motor board. (See Fig.13.)

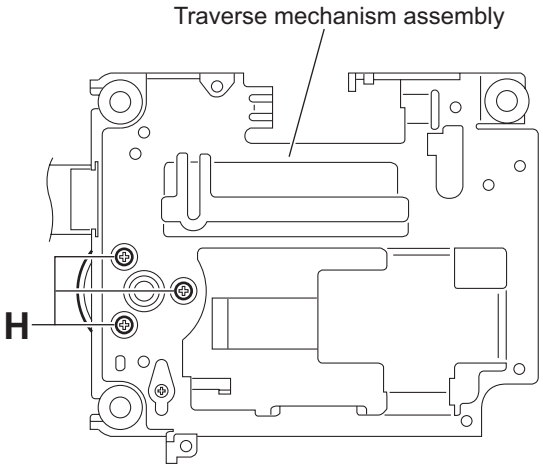


Fig.13

3.2.8 Removing the switch board (See Fig.14.)

(1) From the bottom side of the DVD mechanism assembly, remove the wires from the soldered section **n** on the switch board.
(2) Lift the switch board while pressing the claw **p** of the DVD mechanism assembly in the direction of the arrow and remove it from the section **q**.

Reference:

- Put the wires on the section **r** after attaching the switch board to the DVD mechanism assembly.
- Fix the claw **p** on the DVD mechanism assembly with bonds after attaching the switch board.

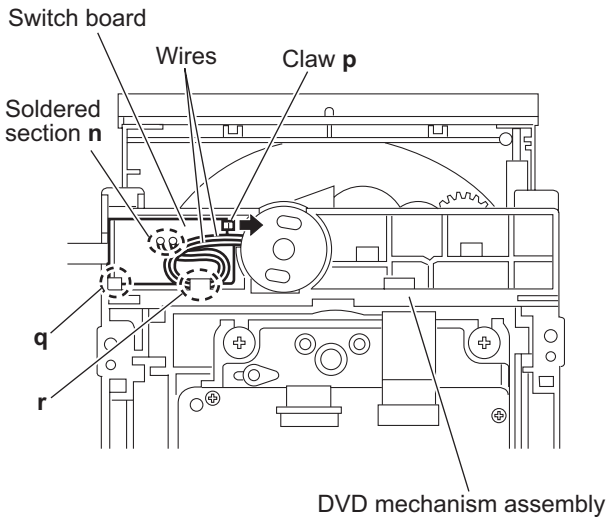


Fig.14

3.2.9 Removing the motor (See Figs.14 and 15)

- Prior to performing the following procedures, remove the tray assembly.
  (1) From the bottom side of the DVD mechanism assembly, remove the wires from the soldered section **n** on the switch board. (See Fig.14.)
  (2) From the top side of the DVD mechanism assembly, remove the belt from the motor pulley. (See Fig.15.)

  Note:
  Take care not to attach grease on the belt.

  (3) Remove the two screws **J** attaching the motor to the DVD mechanism assembly and take out the motor from the bottom side of the DVD mechanism assembly. (See Fig.15.)

  Reference:
  Put the wires on the section **r** after attaching the motor to the DVD mechanism assembly. (See Fig.14.)

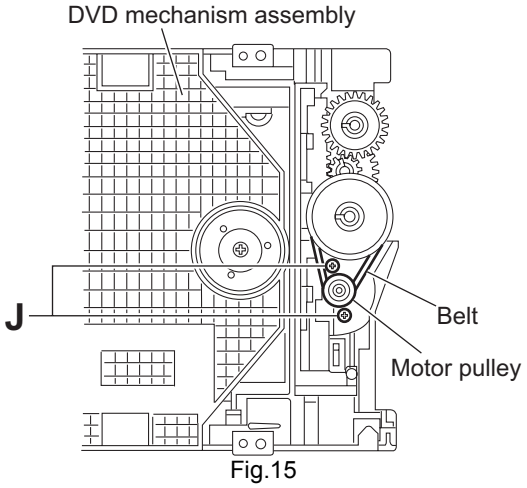


Fig.15

3.3 Cassette mechanism assembly

3.3.1 Removing the Play/Record & Clear head (See Fig.1~3)

(1) While moving the trigger arm on the right side of the head mount in the direction of the arrow, turn the flywheel R counterclockwise until the head mount comes ahead and clicks.
(2) The head turns counterclockwise as you turn the flywheel R counterclockwise (See Fig.2 and 3).
(3) Disconnect the flexible wire from connector CN31 on the head amplifier & mechanism control board.
(4) Remove the spring from the back of the head.
(5) Loosen the azimuth screw for reversing attaching the head.
(6) Remove the head on the front side of the head mount.

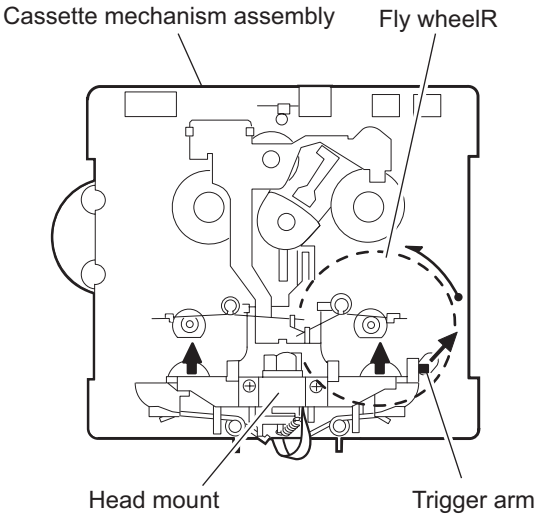


Fig.1

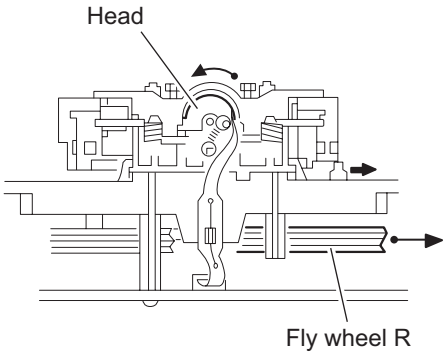


Fig.2

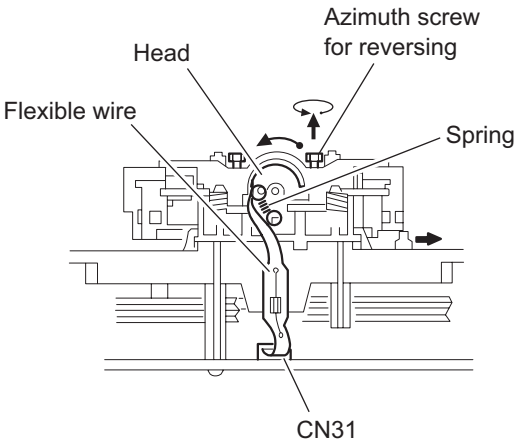


Fig.3

3.3.2 Removing the head amplifier & mechanism control board (See Fig.4)

(1) Turn over the cassette mechanism assembly and remove the three screws **A** attaching the head amplifier & mechanism control board.
(2) Disconnect the flexible wire from connector CN31 on the head amplifier & mechanism control board.
(3) Disconnect connector CN32 of the head amplifier & mechanism control board from connector CN1 on the reel pulse board.REFERENCE: If necessary, unsolder the 4-pin wire soldered to the main motor.

3.3.3 Removing the main motor (See Fig.4~7)

(1) Remove the two screws **B** .
(2) Half raise the motor and remove the capstan belt from the motor pulley.

ATTENTION:

Be careful to keep the capstan belt from grease. When reassembling, refer to Fig.6 and 7 for attaching the capstan belt.

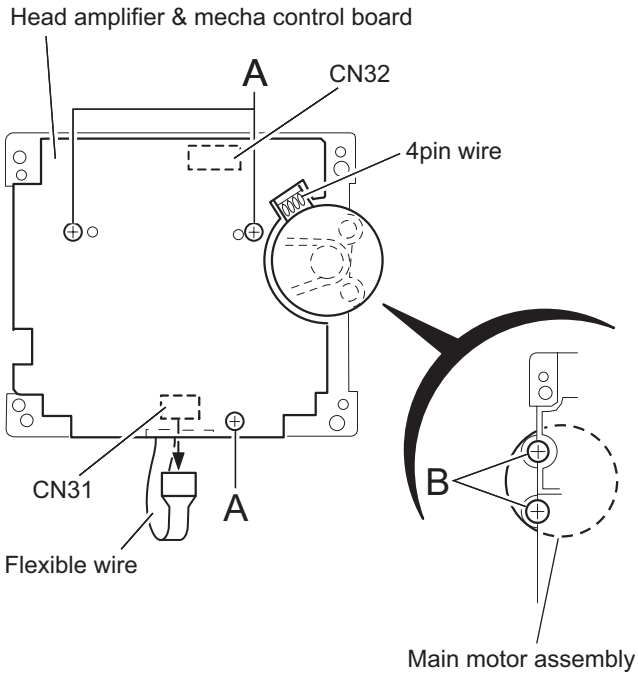


Fig.4

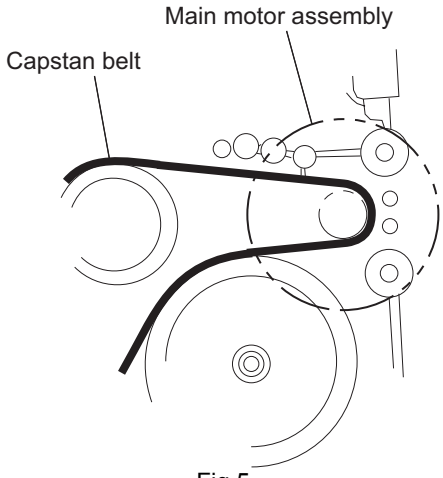


Fig.5

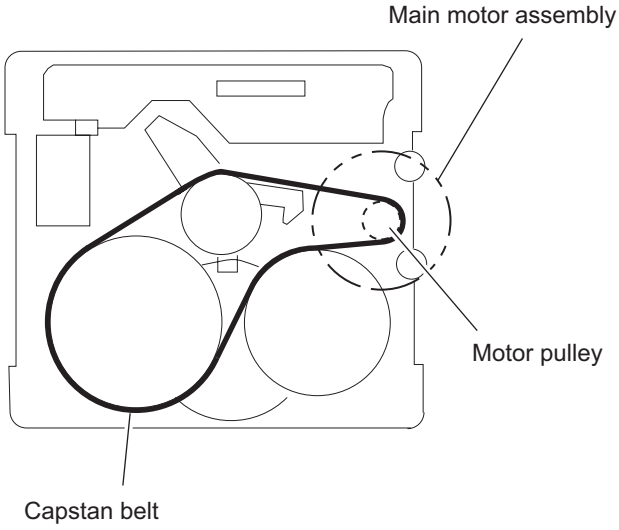


Fig.6

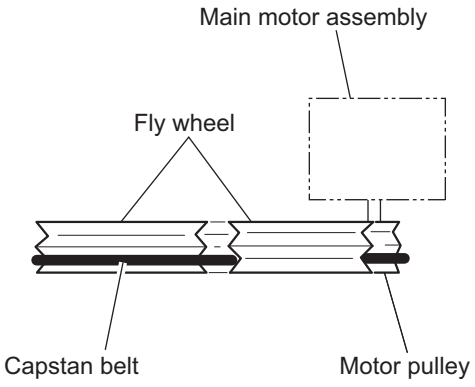


Fig.7

3.3.4 Removing the flywheel (See Fig.8, 9)

- Prior to performing the following procedure, remove the head amplifier & mechanism control board and the main motor assembly.
  (1) From the front side of the cassette mechanism, remove the slit washers attaching the capstan shaft **L** and **R**. Pull out the flywheels backward.

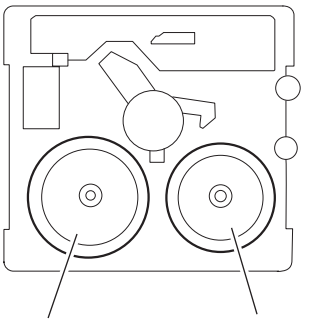


Fig.8

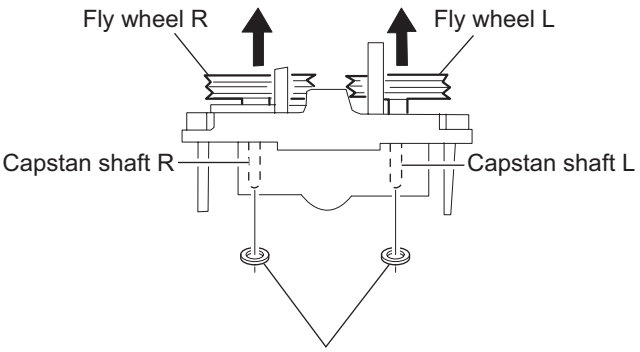


Fig.9

3.3.5 Removing the reel pulse board and solenoid (See Fig.10)

- Prior to performing the following procedure, remove the head amplifier & mechanism control board.
  (1) Remove the screw **C**.
  (2) Release the tab **a**, **b**, **c**, **d** and **e** retaining the reel pulse board.
  (3) Release the tab **f** and **g** attaching the solenoid on the reel pulse board.
  (4) The reel pulse board and the solenoid come off.

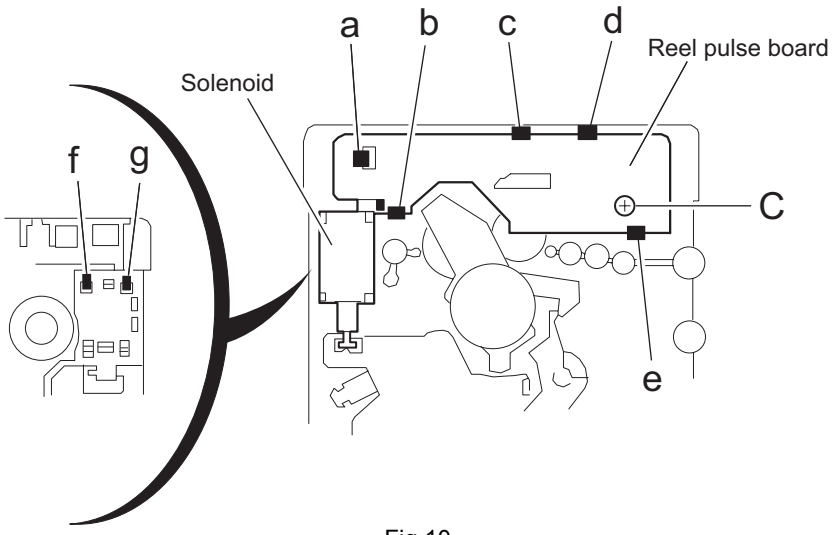


Fig.10

3.3.6 Reattaching the Play/ Record & Clear head (See Fig.11~13)

(1) Reattaching the head mount assembly.
   a) Change front of the direction cover of the head mount assembly to the left (Turn the head forward).
   b) Fit the bosses **O'**, **P'**, **Q'**, **U'** and **V'** on the head mount assembly to the holes **P** and **V**, the slots **O**, **U** and **Q** of the mechanism sub assembly (See Fig.11 to 13).

CAUTION:

To remove the head mount assembly, turn the direction cover to the left to disengage the gear. If the gear can not be disengaged easily, push up the boss **Q'** slightly and raise the rear side of the head mounts slightly to return the direction lever to the reversing side.

(2) Tighten the azimuth screw for reversing.
(3) Reattach the spring from the back of the Play/ Record & Clear head.
(4) Connect the flexible wire to connector CN31 on the head amplifier & mechanism control board.

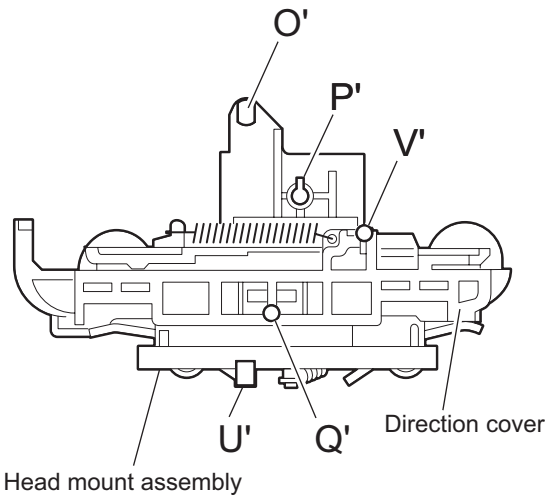


Fig.11

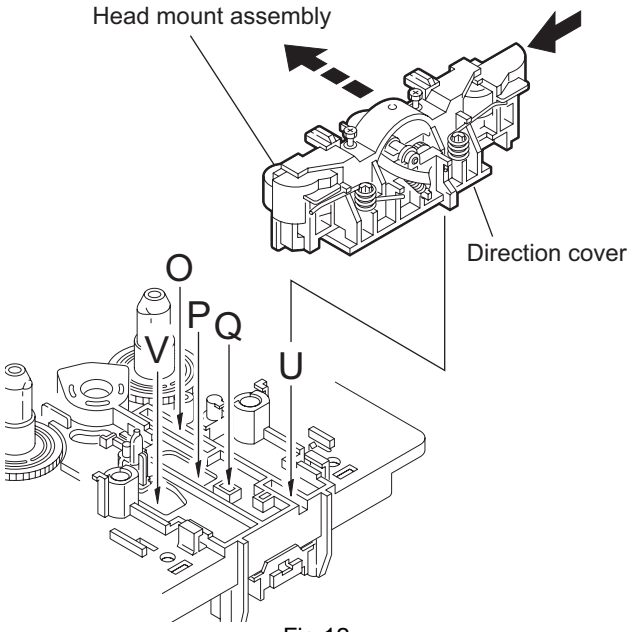


Fig.12

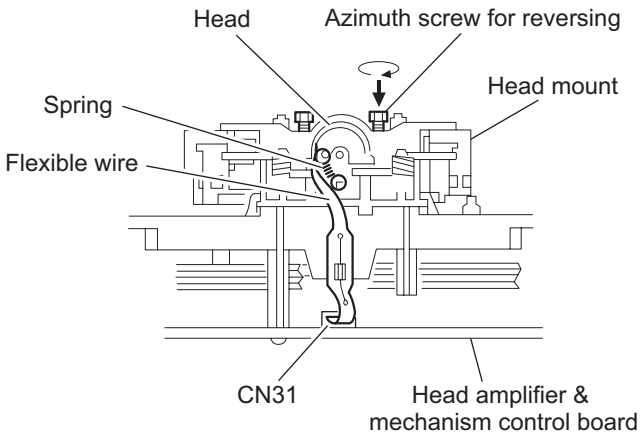


Fig.13

SECTION 4
ADJUSTMENT

4.1 Measurement Instruments Required for Adjustment

(1) Low frequency oscillator
This oscillator should have a capacity to output 0dBs to 600Ω at an oscillation frequency of 50Hz-20kHz.
(2) Attenuator impedance : 600Ω
(3) Electronic voltmeter
(4) Distortion meter
(5) Frequency counter
(6) Wow & flutter meter
(7) Test tape
VT703L : Head azimuth
VT712 : Tape speed and running unevenness (3kHz)
VT724 : Reference level (1kHz)
(8) Blank tape
TYPE I : AC-225
TYPE II : AC-514
(9) Torque gauge : For play and back tension
FWD(TW2111A), REV(TW2121a) and FF/REW(TW2231A)
(10) Test disc: VT-501, CTS-1000

4.2 Measurement conditons

Power supply voltage	AC110V/AC127V/AC220V AC230V ~ AC240V (Adjustable with the voltage selector) 50Hz / 60Hz
Reference output	Speaker : 0.775V/4Ω Headphone : 0.077V/32Ω
Reference frequency and input level	1kHz, AUX : -8dBs
Measurement output terminal	at Speaker J200
Load resistance	4Ω

4.2.1 Radio Input signal

AM frequency	400Hz
AM modulation	30%
FM frequency	400Hz
FM frequency deviation	22.5kHz

4.2.2 Tuner section

FM Band cover	87.5 MHz~108.0 MHz
AM Band cover	531 kHz~1,710 kHz (at 9kHz step) 530 kHz~1,710 kHz (at 10kHz step)
Voltage applied to tuner	+B : DC5.7V VT : DC 12V
Reference measurement output	26.1mV(0.28V)/3Ω
Input positions	AM : Standard loop antenna FM : TP1 (hot) and TP2 (GND)

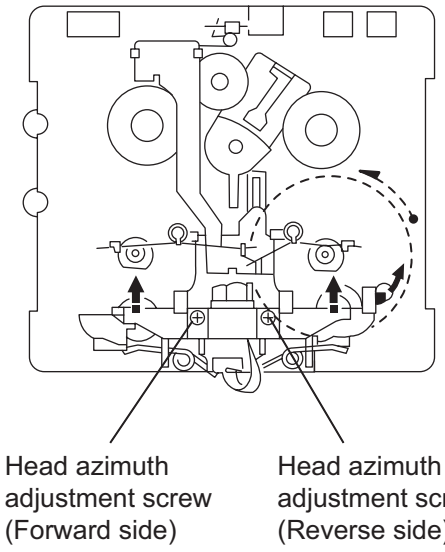
4.2.3 Standard measurement position of volume

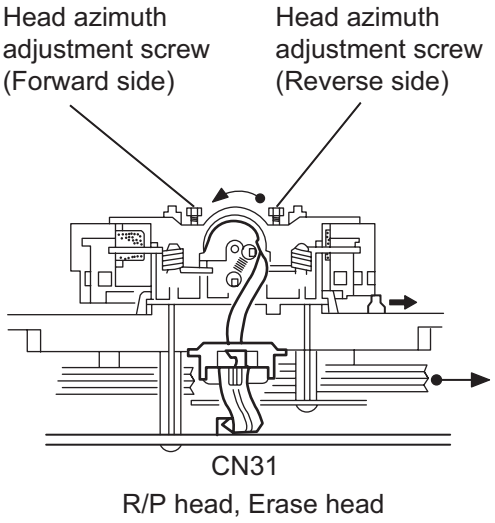
Function switch	to Tape
Beat cut switch	to Cut
Super Bass/Active hyper Bass	to OFF
Bass Treble	to Center
Adjustment of main volume to reference output	VOL : 28

Precautions for measurement

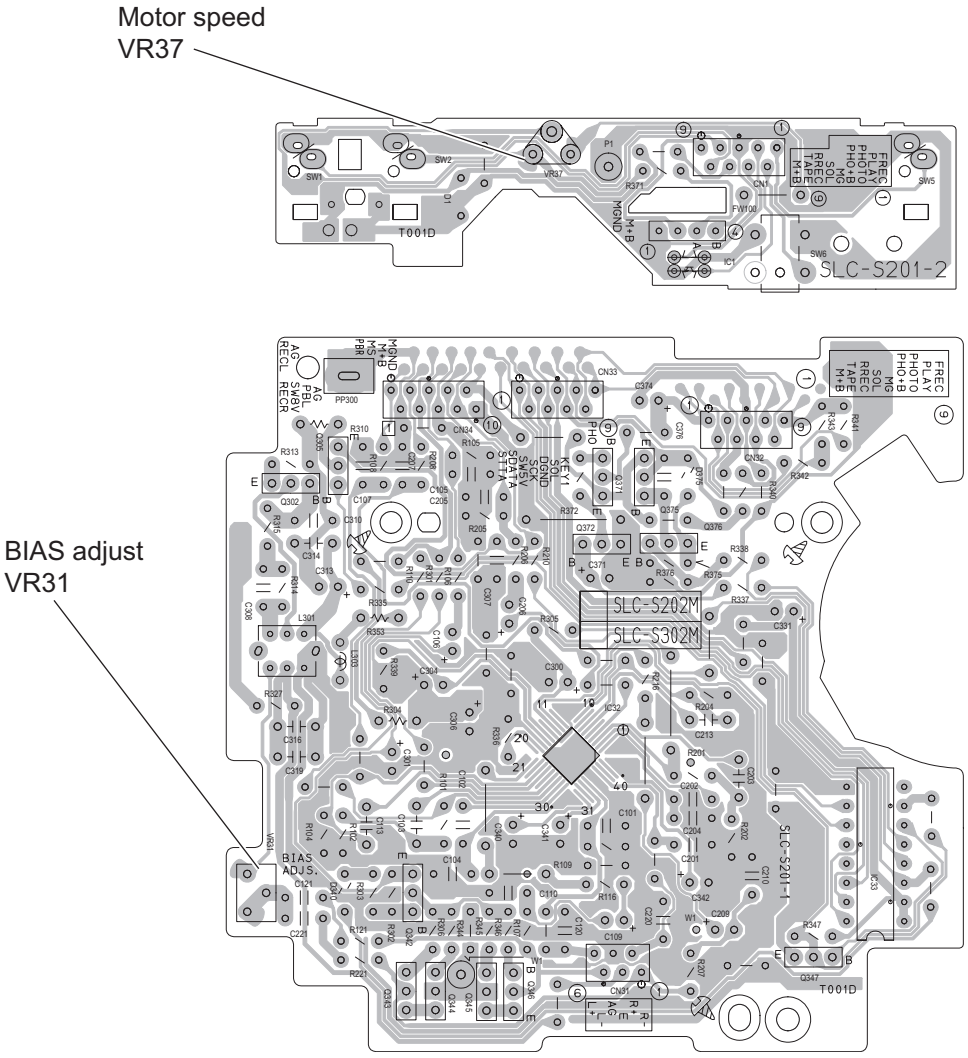
(1) Apply 30pF and 33kΩ to the IF sweeper output side and 0.082μ F and 100kΩ in series to the sweeper input side.
(2) The IF sweeper output level should be made as low as possible within the adjustable range.
(3) Since the IF sweeper is a fixed device, there is no need to adjust this sweeper.
(4) Since a ceramic oscillator is used, there is no need to perform any MIX adjustment.
(5) Since a fixed coil is used, there is no need to adjust the FM tracking.
(6) The input and output earth systems are separated. In case of simultaneously measuring the voltage in both of the input and output systems with an electronic voltmeter for two channels, therefore, the earth should be connected particularly carefully.
(7) In the case of BTL connection amp., the minus terminal of speaker is not for earthing. Therefore, be sure not to connect any other earth terminal to this terminal. This system is of an BTL system.
(8) For connecting a dummy resistor when measuring the output, use the wire with a greater code size.
(9) Whenever any mixed tape is used, use the band pass filter (DV-12).

4.3 Cassette mechanism adjustment





Mecha control board



4.3.1 Mechanism section

Item	Condition	Measurement method	Ref.value	Adjustment position
Head azimuth	Test tape : VT703L (8kHz) Output terminal : Speaker out	1. Playback the test tape VT703L (8kHz). 2. Adjust to maximum output level by azimuth adjustment screw for forward side and reverse side. 3. This adjustment is adjust by adjustment screw of forward side and adjustment screw of reverse side.	Maximum output	Only adjust at changed head
Tape speed	Test tap : VT712 (3kHz) Output terminal : Speaker out or Headphone out	Playback the test tape VT712 (3kHz) at end of forward side, adjust to 2,940~3,90Hz indication of frequency counter by VR37.	2,940 to 3,090Hz	VR37

Item	Condition	Measurement method	Ref.value	Adjustment position
Tape speed deviation at FWD/REV	Test tape : VT712 (3kHz) Output terminal : Speaker out or Headphone out	Playback the test tape VT712 (3kHz) at end of forward and reverse, tape speed deviation should be less than 6.0Hz.	Less than 6.0Hz	VR31
Wow & Flutter	Test tape : VT712 (3kHz) Output terminal : Speaker out or Headphone out	Playback the test tape VT712 (3kHz) at start of forward and reverse, Wow & Flutter are should be less than 0.25% (WRMS).	Less than 0.25% (WRMS)	

4.3.2 Electrical adjustment

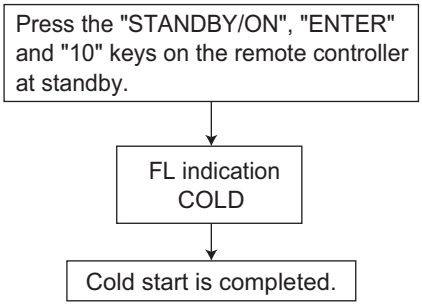
Item	Condition	Measurement method	Ref.value	Adjustment position
Recording BIAS adjustment	・Forward or Reverse ・Test tape :AC-514 TYPE Ⅱ :AC-225 TYPE Ⅰ ・Output terminal Recording head	1. Set the test tape(AC-514 TYPEⅡ and AC-225 TYPEⅠ), then make REC/PAUSE condition. 2. Connect 100Ω to recording head by series, then connect to VTVM for measurement the current. 3. After setting, start the recording by release the PAUSE, in this time bias current adjust to next fig. by VR31 for Lch and VR32 for Rch. 4.0uA (TYPEⅡ) and 4.20uA (TYPEⅠ).	AC-225 :4.20uA AC-514 :4.0uA	VR31
R/P playback frequency response	・Reference frequency : 1kHz / 10kHz (Reference: -20dB) ・Test tape : AC-514 TYPEⅡ ・Input terminal playback frequency response	1. Set the test tape (AC-514 TYPEⅡ), then make REC/PAUSE condition. 2. Release the PAUSE, then start recording the 1kHz and 10kHz of reference frequency from oscillator. 3. Playback the recorded position, 1kHz and 10kHz output deviation should -1dB±2dB to readjust by VR31 for Lch and VR32 for Rch.	Output deviation 1kHz/10kHz :-1dB±2dB	VR31

4.3.3 Electrical response confirmation

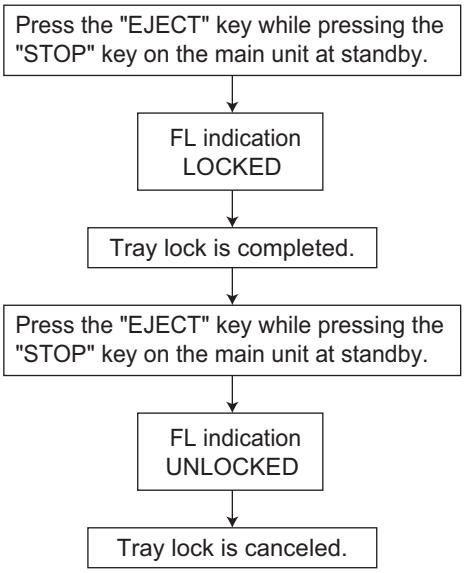
Item	Condition	Measurement method	Ref.value	Adjustment position
Recording bias current	Forward or Reverse ・Test tape : TYPEⅡ (AC-514) ・Measurement terminal : BIAS test point on printed circuit board	1. Change BIAS1 and 2, confirm the frequency should be change. 2. Set the test tape (AC-514 TYPEⅡ), then make REC/PAUSE condition. 3. Confirm the frequency should 100Hz±6kHz at BIAS test point on printed circuit board.	100 kHz ±6 kHz	
Erase current (reference value)	Forward or Reverse ・Rec condition ・Test tape : AC-514 TYPEⅡ : AC-225 TYPEⅠ ・Measurement terminal : Both side of Erase head	1. Set the test tape (AC-514 TYPEⅡ and AC-225 TYPEⅠ), then make REC/PAUSE condition. 2. Release the PAUSE to REC condition, connect 1W to ERASE head by series, then confirm the erase current at both side of erase head.	TYPEⅡ : 120 mA TYPEⅠ : 75 mA	

4.4 Special mode 1

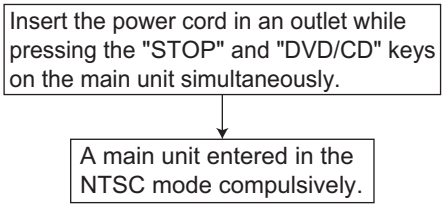
1. Cold start
   Cold start processing.



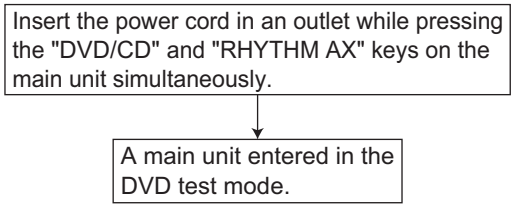
2. Tray lock
   Loader-mecha is locked.
   EJECT processing isn't done by pushing EJECT key at tray lock on state.
   Then display to LOCKED / UNLOCKED.
   EJECT is pushed, pushing STOP again, tray lock is off.
   Back up to tray locked ON/OFF.



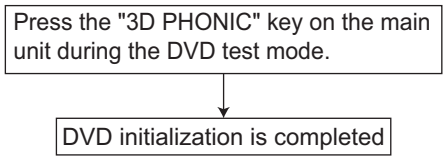
3. Compulsive NTSC mode
   Into the compulsive NTSC mode.
   Hereafter, only first power-on, start by NTSC unrelated NTSEL-SW.
   (Send command to module)
   Mode is clear at POWER OFF.



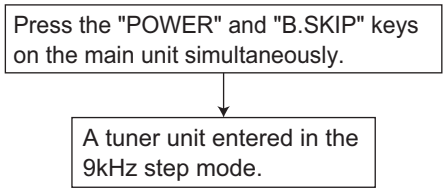
4. DVD test mode
Into the DVD test mode. Test mode contents is refer to module spec.
DVD test mode is canceled by POWER OFF and except source DVD.



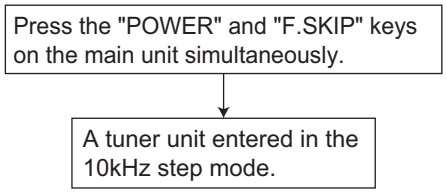
5. DVD initialize
DVD module initialized.
LCD segment is light on at initialize completed.



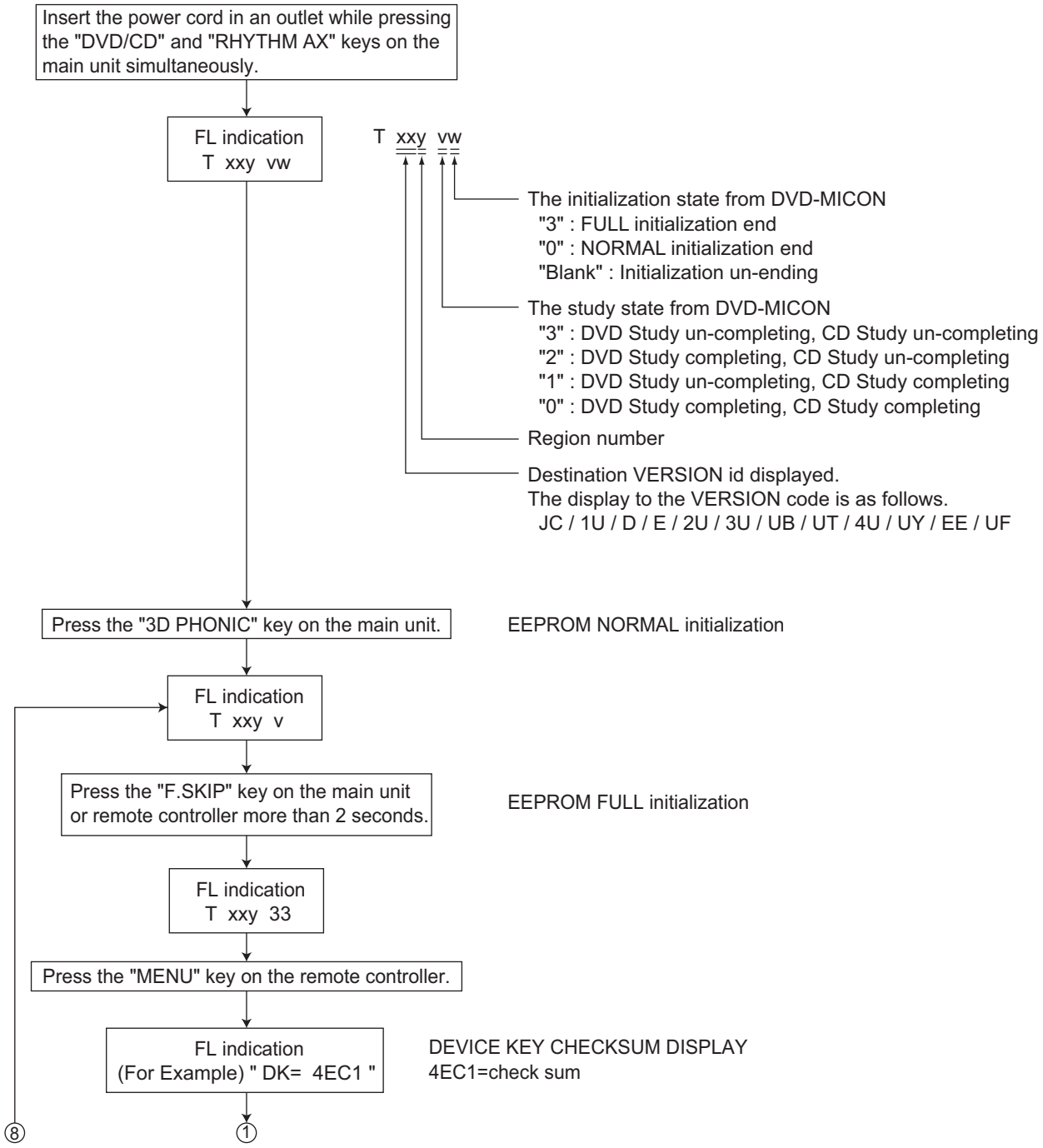
6. TUNER AM switch to 9kHz-step only U version
AM frequency change to 9kHz at U-version.

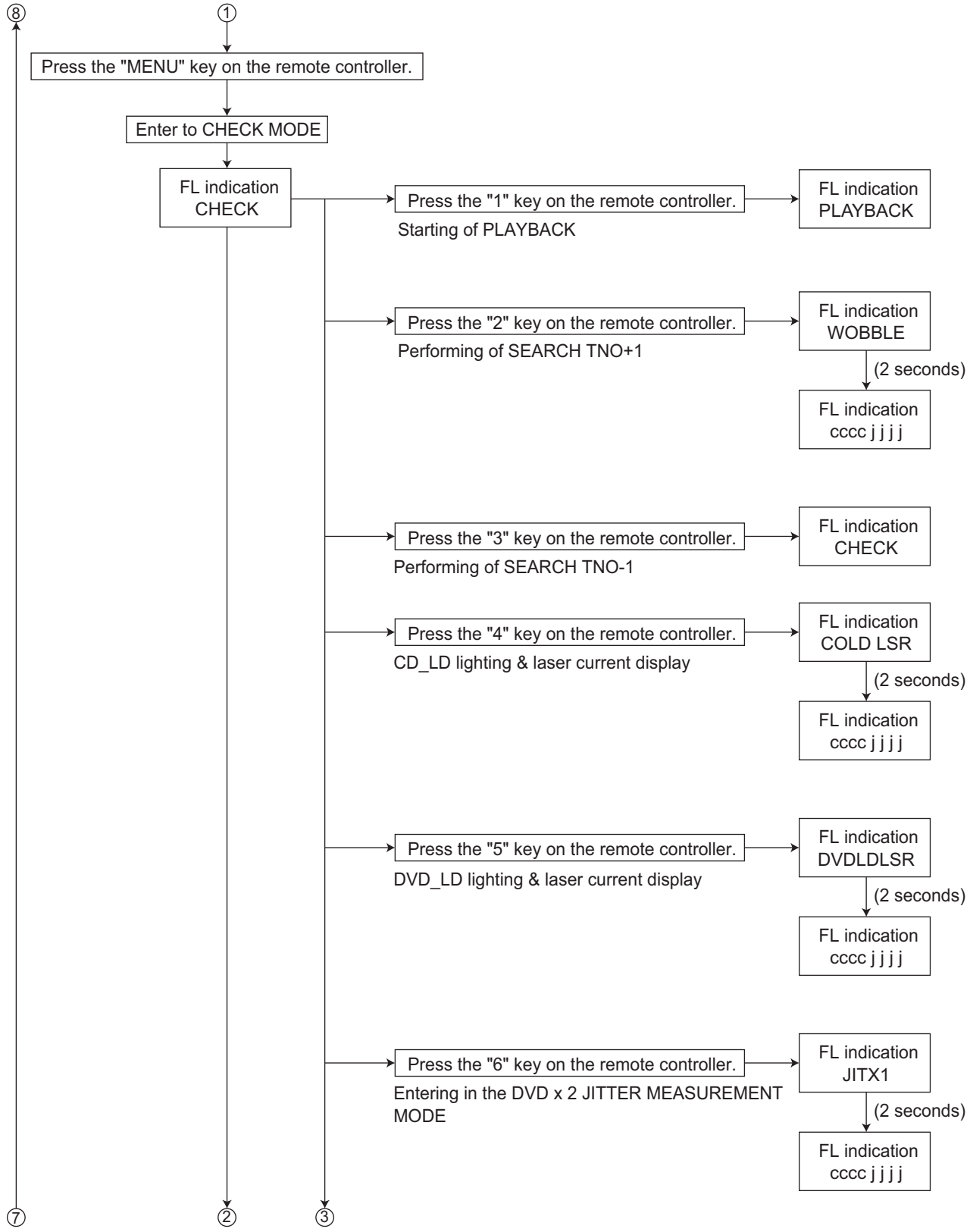


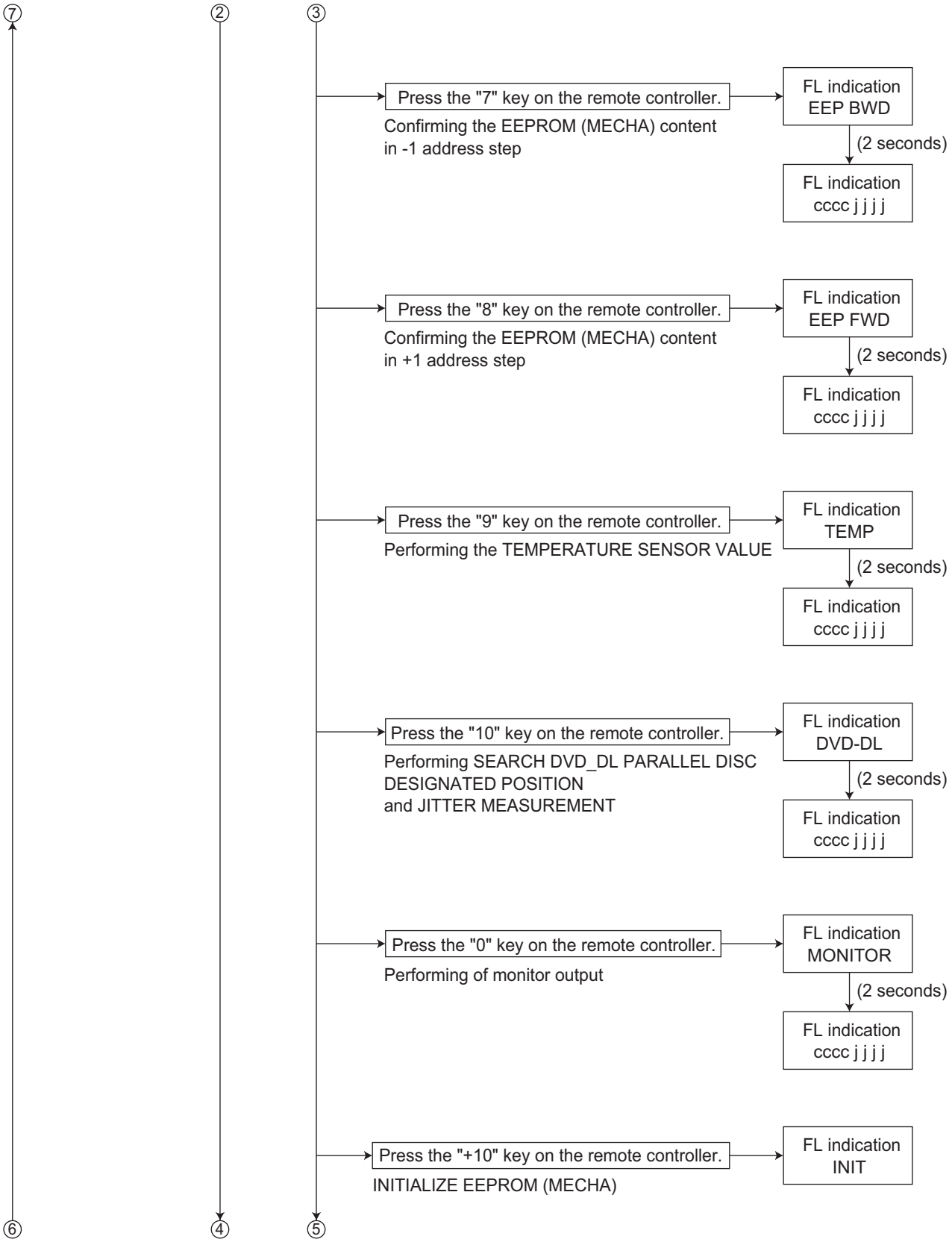
7. TUNER AM switch to 10kHz-step only U version
AM frequency change to 10kHz at U-version.

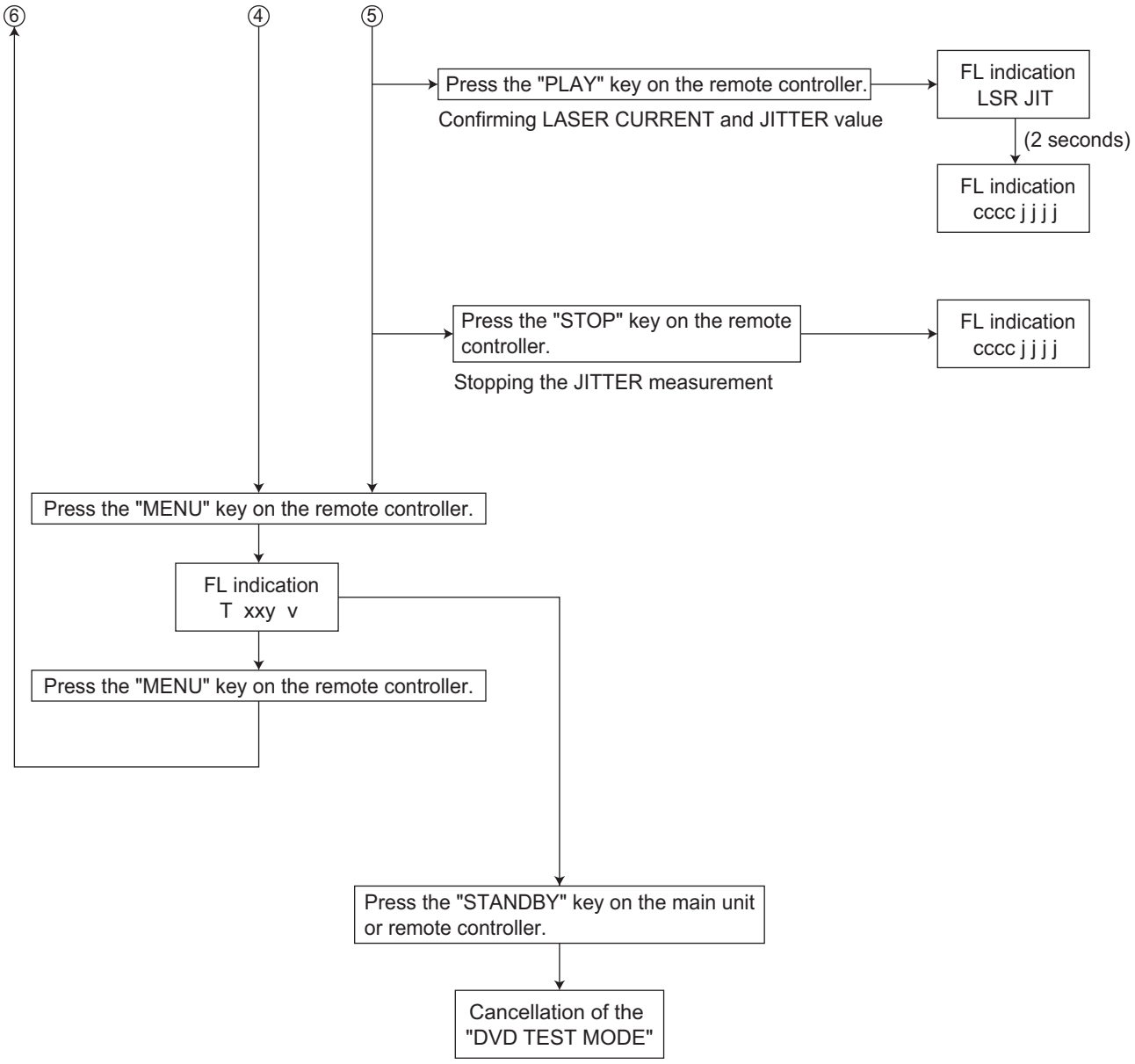


4.5 DVD TEST MODE




⑧
①
Press the "MENU" key on the remote controller.
Enter to CHECK MODE
FL indication CHECK
Press the "1" key on the remote controller.
Starting of PLAYBACK
FL indication PLAYBACK
Press the "2" key on the remote controller.
Performing of SEARCH TNO+1
FL indication WOBBLE
(2 seconds)
FL indication cccc j j j j
Press the "3" key on the remote controller.
Performing of SEARCH TNO-1
FL indication CHECK
Press the "4" key on the remote controller.
CD_LD lighting & laser current display
FL indication COLD LSR
(2 seconds)
FL indication cccc j j j j
Press the "5" key on the remote controller.
DVD_LD lighting & laser current display
FL indication DVDLDLSR
(2 seconds)
FL indication cccc j j j j
Press the "6" key on the remote controller.
Entering in the DVD x 2 JITTER MEASUREMENT MODE
FL indication JITX1
(2 seconds)
FL indication cccc j j j j
⑦
②
③


⑦
②
③
Press the "7" key on the remote controller.
Confirming the EEPROM (MECHA) content in -1 address step
FL indication EEP BWD
(2 seconds)
FL indication cccc j j j j
Press the "8" key on the remote controller.
Confirming the EEPROM (MECHA) content in +1 address step
FL indication EEP FWD
(2 seconds)
FL indication cccc j j j j
Press the "9" key on the remote controller.
Performing the TEMPERATURE SENSOR VALUE
FL indication TEMP
(2 seconds)
FL indication cccc j j j j
Press the "10" key on the remote controller.
Performing SEARCH DVD_DL PARALLEL DISC DESIGNATED POSITION and JITTER MEASUREMENT
FL indication DVD-DL
(2 seconds)
FL indication cccc j j j j
Press the "0" key on the remote controller.
Performing of monitor output
FL indication MONITOR
(2 seconds)
FL indication cccc j j j j
Press the "+10" key on the remote controller.
INITIALIZE EEPROM (MECHA)
FL indication INIT
⑥
④
⑤


⑥
④
⑤
Press the "PLAY" key on the remote controller.
Confirming LASER CURRENT and JITTER value
FL indication
LSR JIT
(2 seconds)
FL indication
cccc j j j j
Press the "STOP" key on the remote controller.
Stopping the JITTER measurement
FL indication
cccc j j j j
Press the "MENU" key on the remote controller.
FL indication
T xxy v
Press the "MENU" key on the remote controller.
Press the "STANDBY" key on the main unit or remote controller.
Cancellation of the "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.MB286)

Printed in Japan
WPC

JVC

SCHEMATIC DIAGRAMS

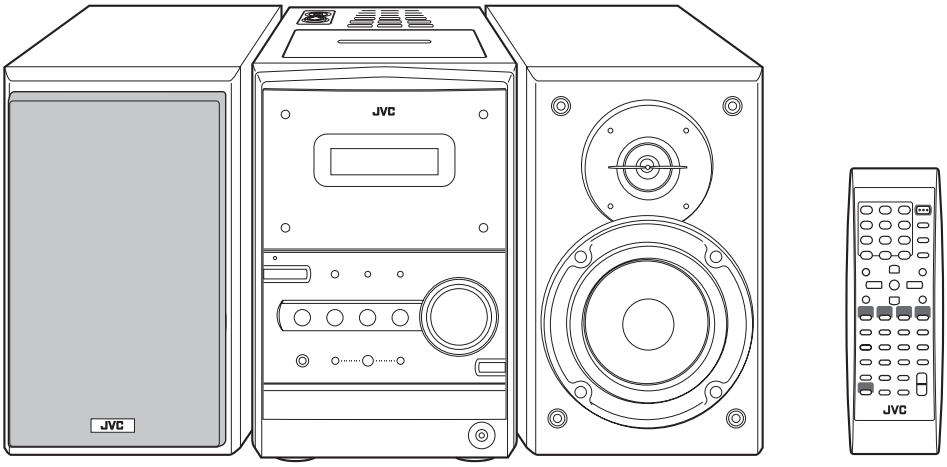
MICRO COMPONENT SYSTEM

UX-P550

CD-ROM No.SML200407

Area suffix

US ---------- Singapore
UB ---------- Hong Kong
UW ---------- Brazil,Mexico,Peru
UX ---------- Saudi Arabia
UJ ---------- U.S.Military
UN ---------- Asean



SP-UXP550 CA-UXP550 SP-UXP550

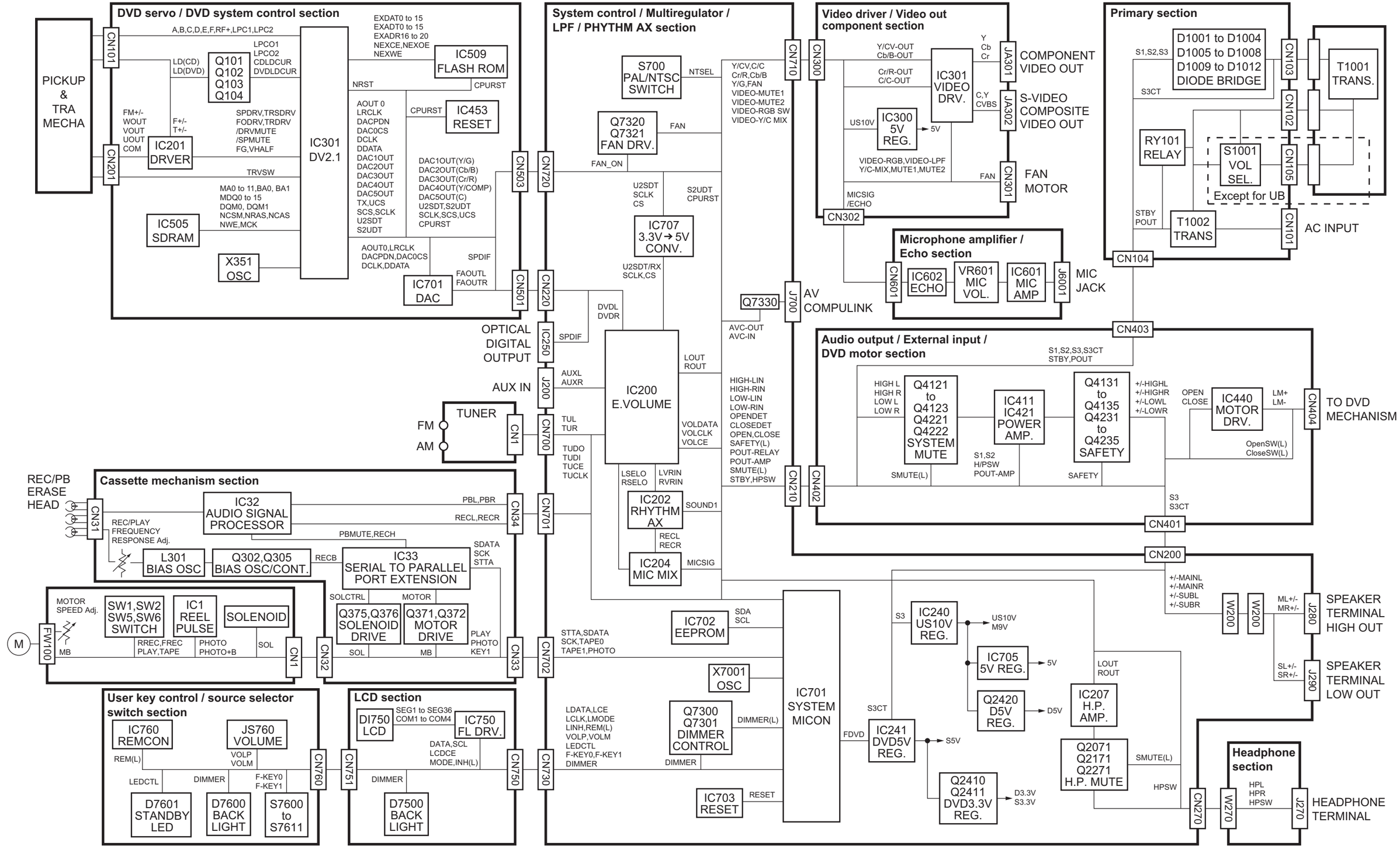
DVD AUDIO/VIDEO COMPACT disc SUPER VIDEO dts 2.0+DIGITAL OUT DOLBY DIGITAL AV COMPU LINK

Contents

No.MB286SCH
2004/7

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



Standard schematic diagrams

■ Primary with mains transformer section

EXPLANATION OF OVERALL OF SCHEMATIC		
MODEL : UX-P550		
SHEET NUMBER	MODEL NUMBERS TO BE APPLIED	CIRCUITS DESCRIPTION
1	UX-P550	.PRIMARY WITH MAINS TRANSFORMER
2	UX-P550	.AUDIO OUTPUT/EXTERNAL INPUT .DVD MOTOR
3	UX-P550	.MULTIREGULATOR/LPF/RHYTHM AX
4	UX-P550	.SOURCE SELECTOR SWITCH .LCD DISPLAY/SYSTEM CONTROL/USERS KEY CONTROL
5	UX-P550	.VIDEO DRIVER/VIDEO OUT COMPONENT .
6	UX-P550	.Mic AMP and ECHO
7	UX-P550	.CASSETTE MECHANISM
8	UX-P550	.DVD SERVO AND DVD SYSTEM CONTROL 1/2
9	UX-P550	.DVD SERVO AND DVD SYSTEM CONTROL 2/2

*NOTE : MARK( ) IS TO SHOW DEVIATION IN VERSIONS.
DETAILS ARE EXPLAINED NEAR MARK.

VERSION CODES

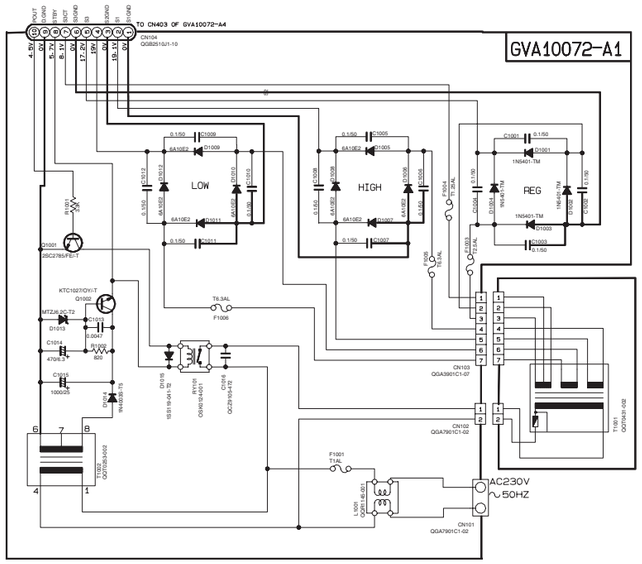
C	:CANADA
B	:U.K
E	:CONTINENTAL EUROPE
EN	:NORDIC COUNTRIES
EV	:EASTERN EUROPE
UX	:SAUDI ARABIA
UF	:CHINA
UW	:SOUTH AMERICA
UJ	:US ARMY
EE	:RUSSIA
UB	:HONG KONG
UN	:INDONESIA
US	:SINGAPORE AND UNIVERSAL EXCEPT ALL OF ABOVE

NOTES

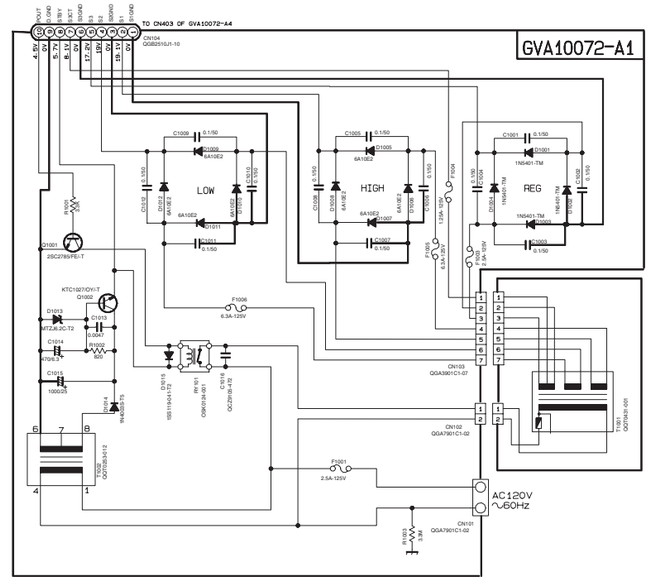
1. VOLTAGES ARE DC-MEASURED USING A DIGITAL VOLTMETER OR AN OSCILLOSCOPE WITHOUT INPUT SIGNAL IN CD STOP MODE CONDITION UNLESS OTHERWISE SPECIFIED
2. ALL RESISTORS ARE 1/6W ±5% CARBON RESISTOR.
   ALL CAPACITORS ARE 50V CERAMIC CAPACITOR OR 50V MYLAR CAPACITOR.
   ALL RESISTANCE VALUES ARE IN OHM(Ω).
   ALL CAPACITANCE VALUES ARE IN uF(μ=μF).
   ALL E.CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(uF)/RATED VOLTAGE (V).
   ALL DIODES ARE 1SS119-G41-T2 TYPE UNLESS SPECIFIED
   POLYPROPYLENE CAPACITOR
   50V ±5% MYLAR CAPACITOR OR 50V 5% SMIN FILM CAPACITOR

POWER SUPPLY BLOCK

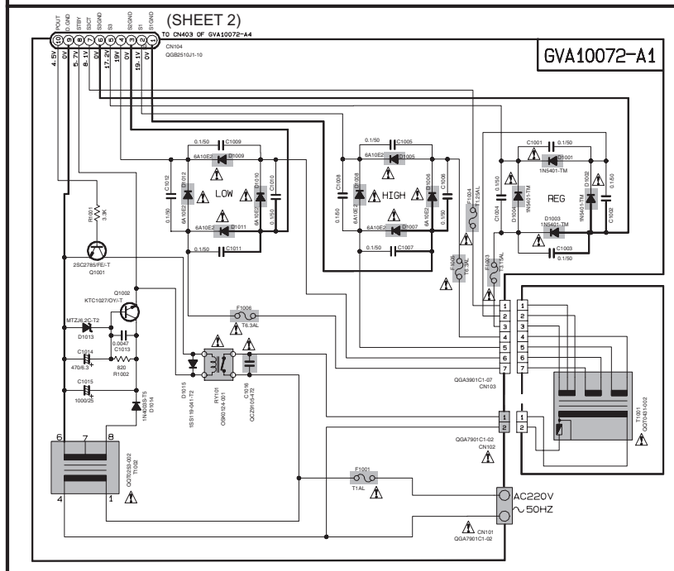
B/E/EN/EV/EE



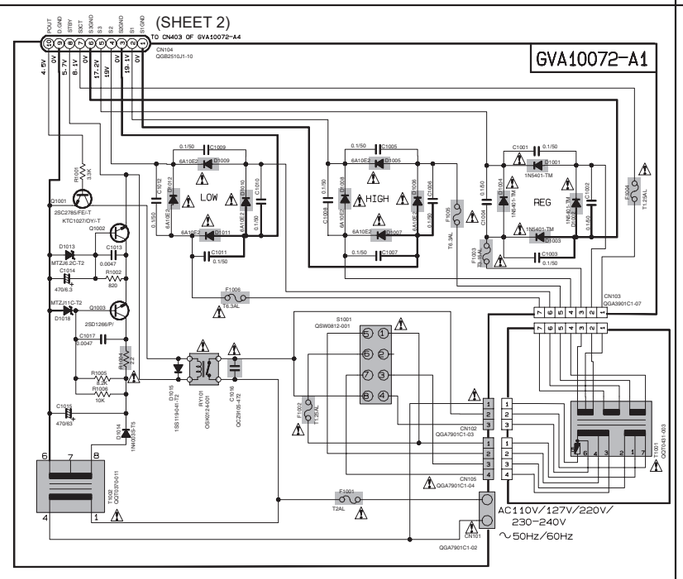
C



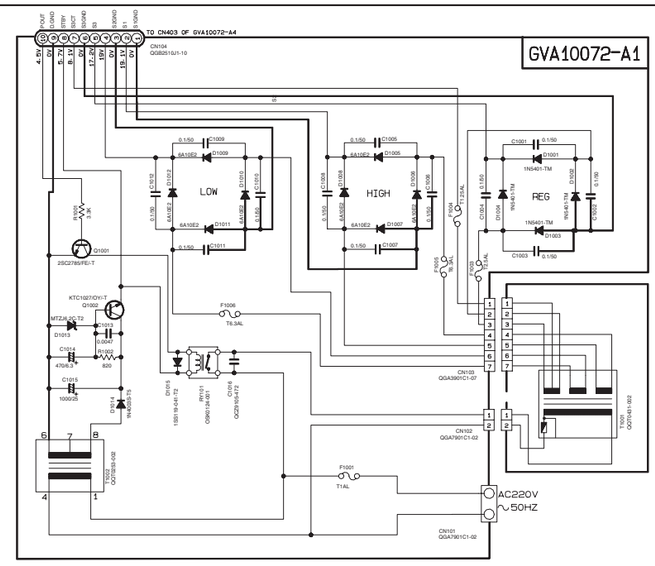
UB



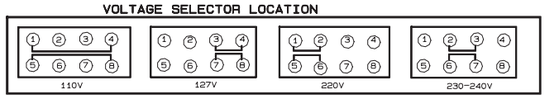
US/UW/UX/UN/UJ



UF



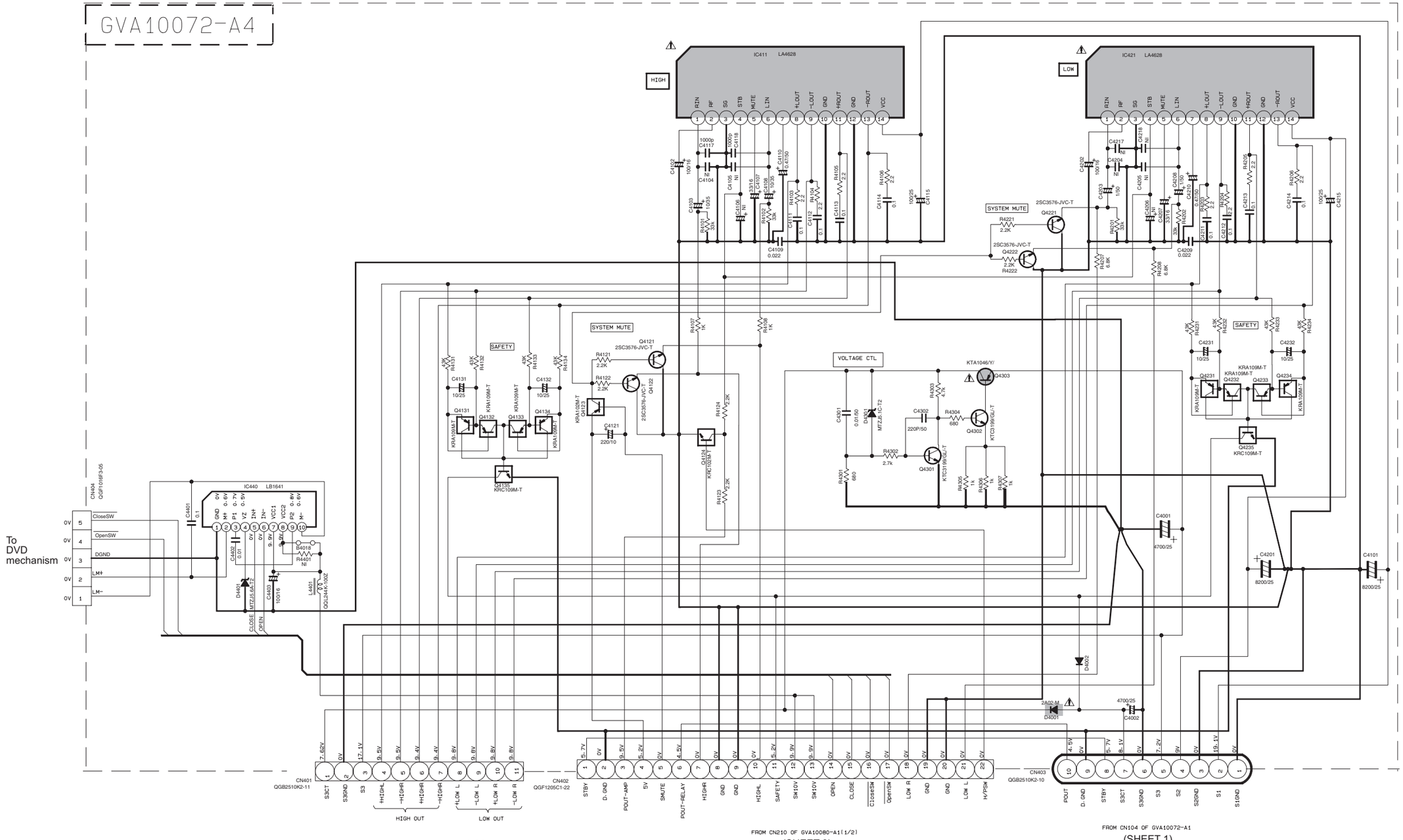
VOLTAGE SELECTOR LOCATION



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

SHEET 1

■ Audio output / External input / DVD motor section



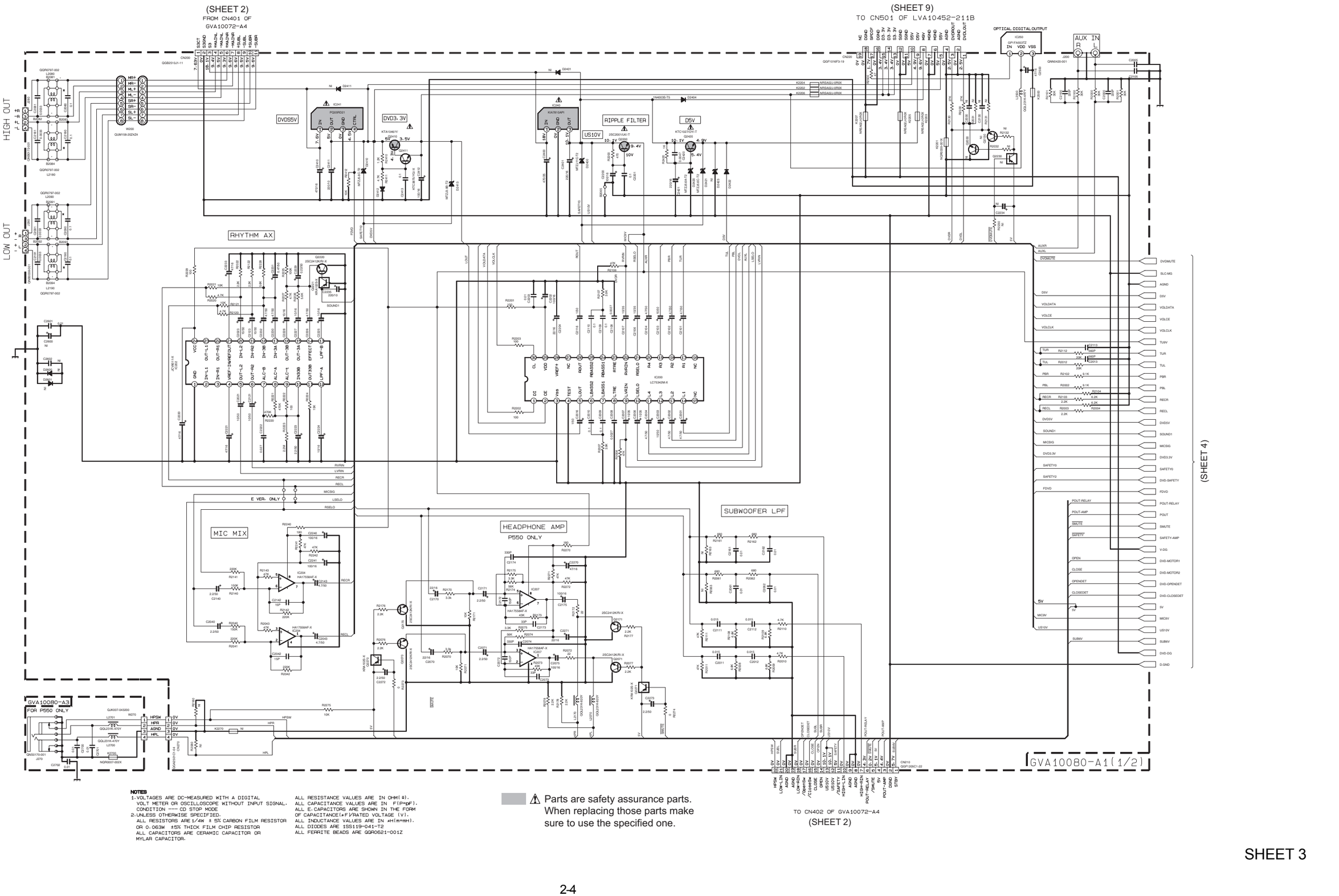
Parts are safety assurance parts.
When replacing those parts make sure to use the specified one.

NOTES

1. VOLTAGES ARE DC-MEASURED USING A DIGITAL VOLTMETER OR AN OSCILLOSCOPE WITHOUT INPUT SIGNAL IN CD STOP MODE CONDITION UNLESS OTHERWISE SPECIFIED
2. ALL RESISTORS ARE 1/6W 5%±CARBON RESISTOR.
   ALL CAPACITORS ARE 50V CERAMIC CAPACITOR OR 50V MYLAR CAPACITOR.
   ALL RESISTANCE VALUES ARE IN OHM(Ω).
   ALL CAPACITANCE VALUES ARE IN μF(P=pF).
   ALL E.CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(μF)/RATED VOLTAGE (V).
   ALL DIODES ARE 1SS119-041-T2 TYPE UNLESS SPECIFIED
   POLYPROPYLENE CAPACITOR
   50V ±5% MYLAR CAPACITOR OR 50V 5% THIN FILM CAPACITOR

SHEET 2

■ Maltiregulator / LPF / PHYTHM AX section



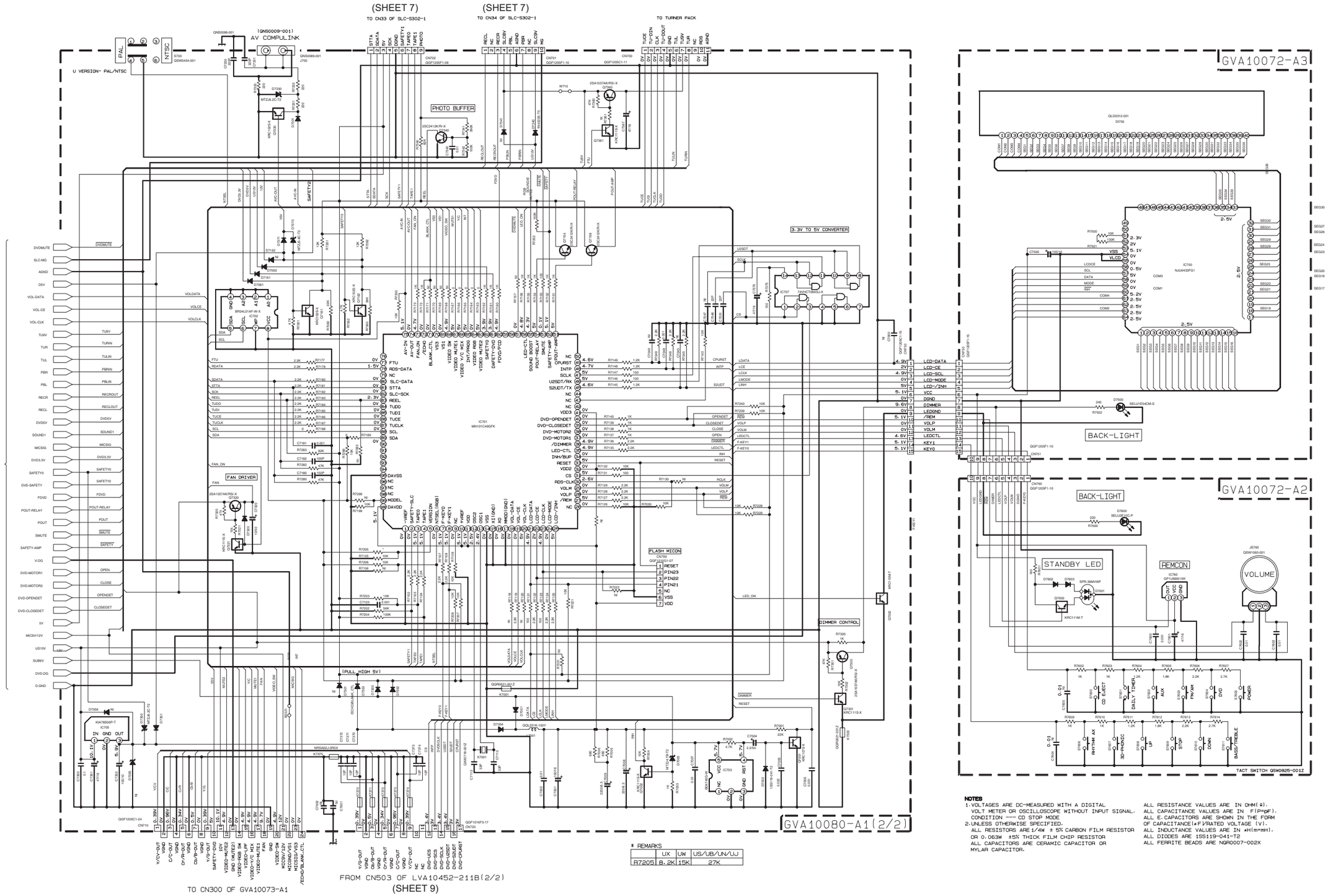
NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL. CONDITION — CD STOP MODE
2. UNLESS OTHERWISE SPECIFIED.
   ALL RESISTORS ARE 1/4W ± 5% CARBON FILM RESISTOR OR 0.063W ±5% THICK FILM CHIP RESISTOR
   ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR.

ALL RESISTANCE VALUES ARE IN OHM(Ω).
ALL CAPACITANCE VALUES ARE IN F(P=pF).
ALL E-CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(±F)/RATED VOLTAGE (V).
ALL INDUCTANCE VALUES ARE IN ±H(m=mH).
ALL DIODES ARE 1SS119-041-T2
ALL FERRITE BEADS ARE GGR0621-001Z

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

■ Source selector switch / LCD display / System control / Users key control section



NOTES

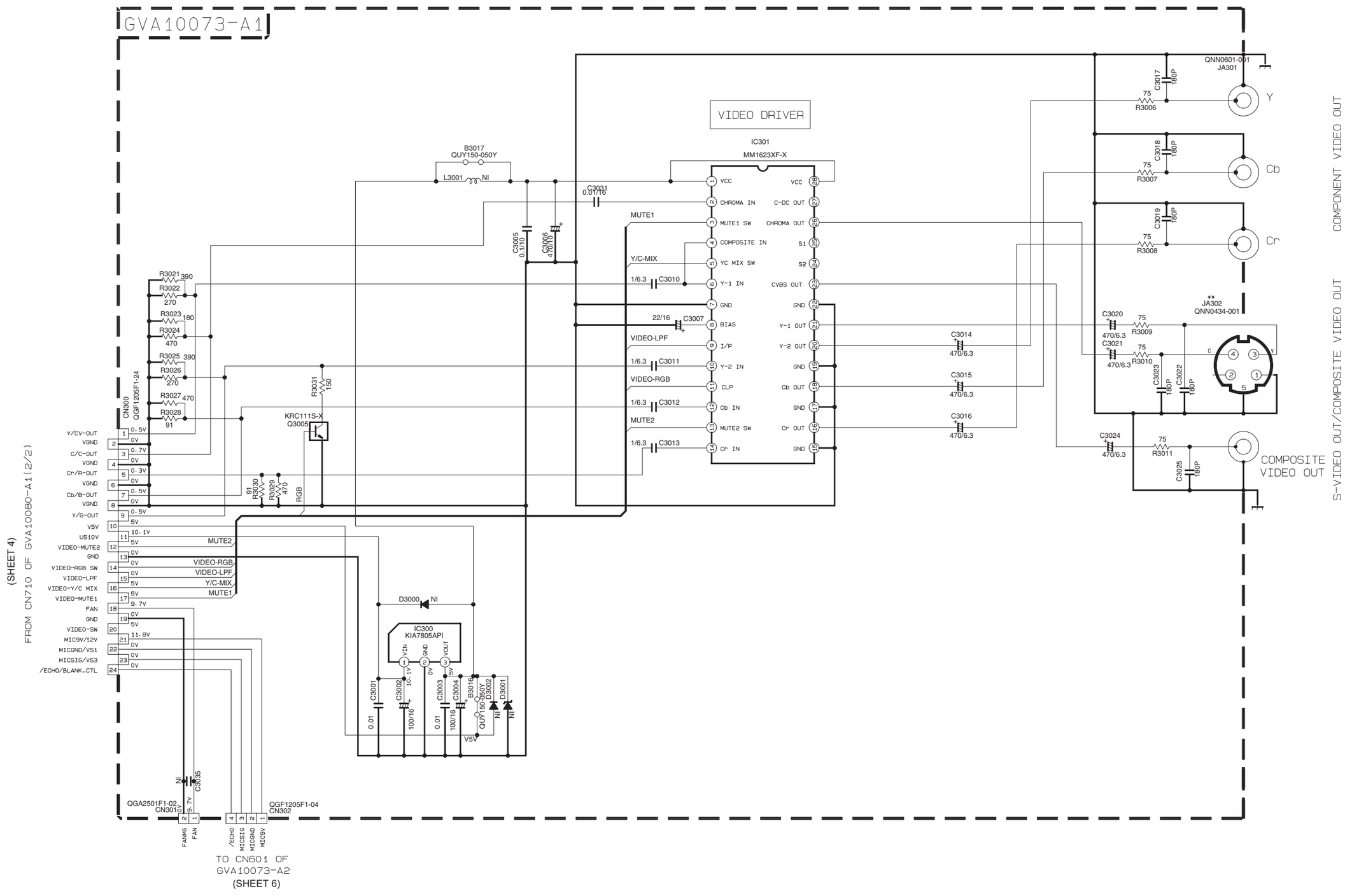
1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL. CONDITION --- CD STOP MODE
2. UNLESS OTHERWISE SPECIFIED.
   ALL RESISTORS ARE 1/4W ± 5% CARBON FILM RESISTOR OR 0.063W ±5% THICK FILM CHIP RESISTOR
   ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR.

ALL RESISTANCE VALUES ARE IN OHM(Ω).
ALL CAPACITANCE VALUES ARE IN F(P=pF).
ALL E.CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(±F)/RATED VOLTAGE (V).
ALL INDUCTANCE VALUES ARE IN ±%(m=mH).
ALL DIODES ARE 1SS119-041-T2
ALL FERRITE BEADS ARE NQR0007-002X

* REMARKS

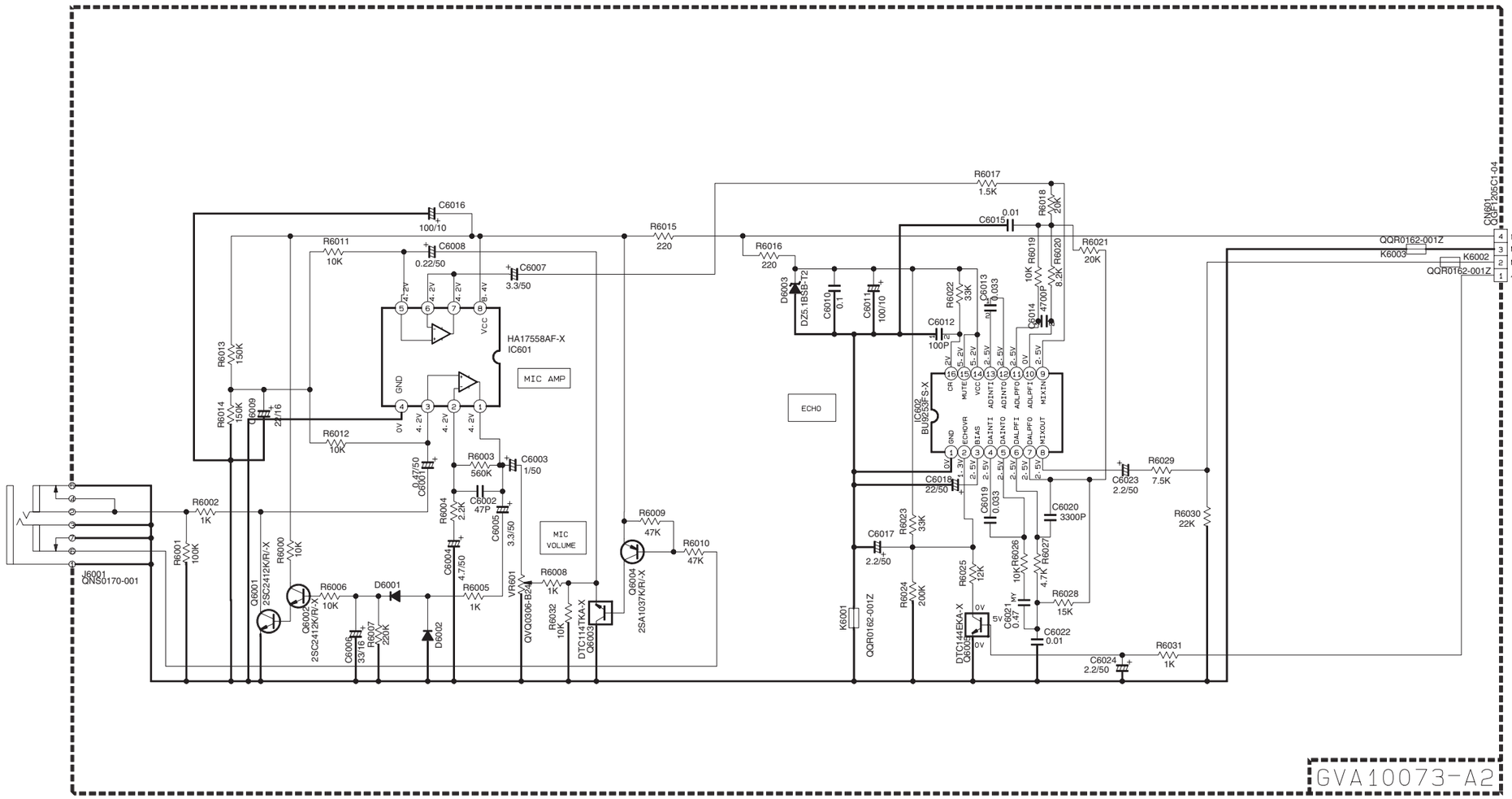
	UX	UW	US/UB/UN/UJ
R7205	8.2K	15K	27K

■ Video driver / Video out component section



SHEET 5

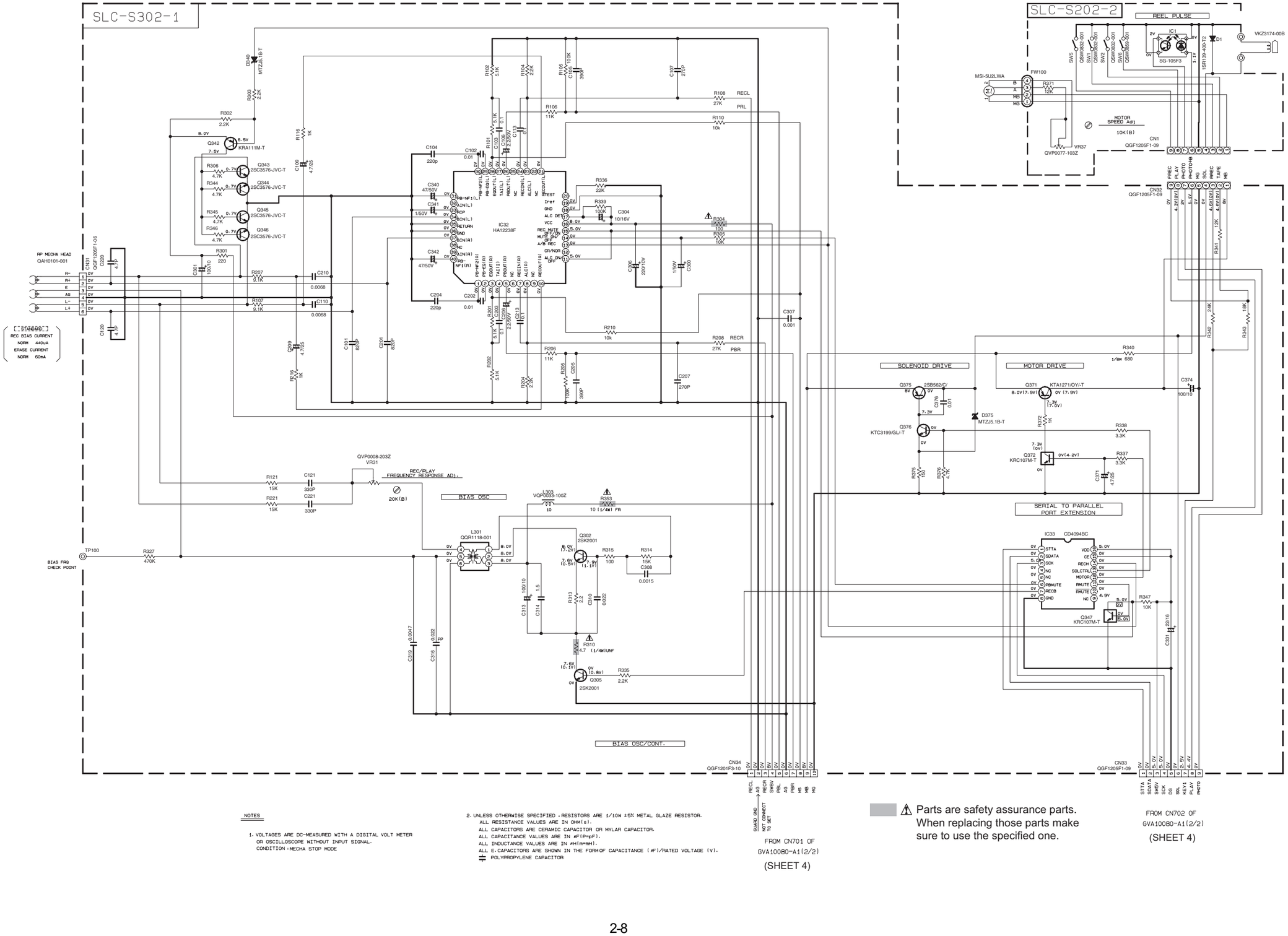
■ Microphone amplifier / Echo section



NOTES 1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL.
CONDITION --- CD STOP MODE

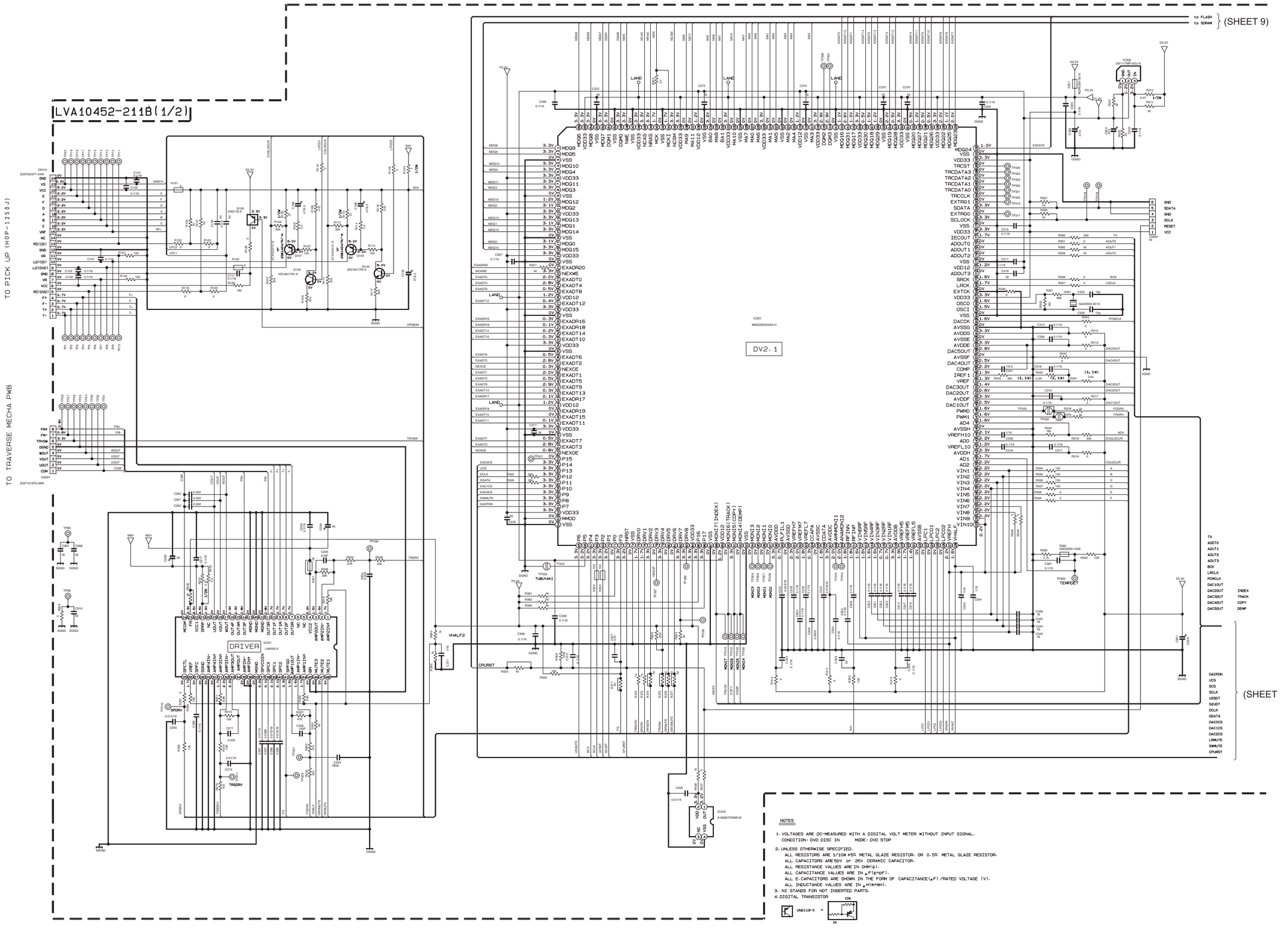
2. UNLESS OTHERWISE SPECIFIED.
ALL RESISTORS ARE 1/10W ±5% METAL GLAZE RESISTOR.
ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR.
ALL RESISTANCE VALUES ARE IN OHM(Ω).
ALL CAPACITANCE VALUES ARE IN μF(P=pF).
ALL INDUCTANCE VALUES ARE IN μH(m=mH).
ALL E.CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(μF)/RATED VOLTAGE (V).

■ Cassette mechanism section



SHEET 7

■ DVD servo / DVD system control section (1/2)

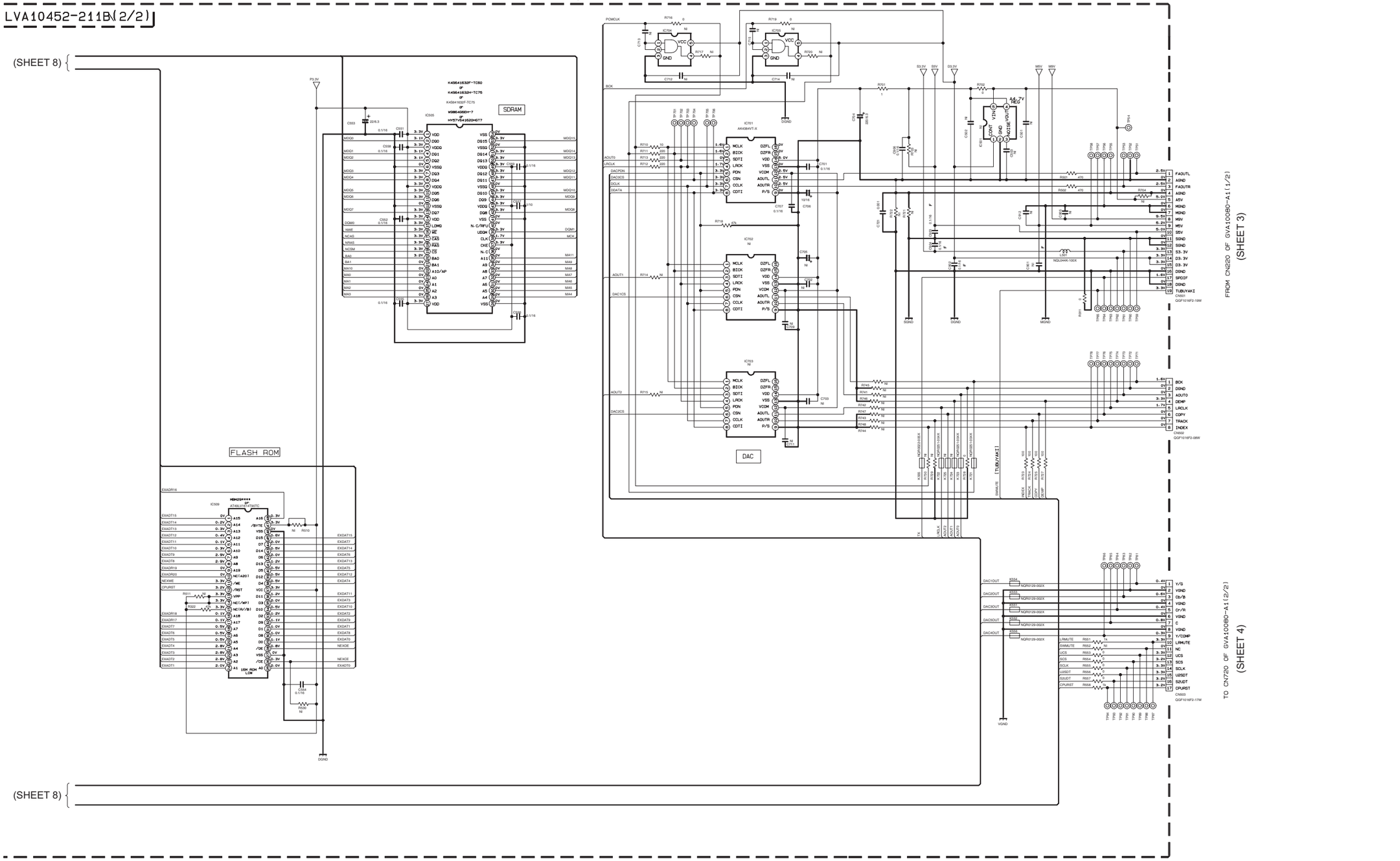


NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER WITHOUT INPUT SIGNAL.
   CONDITION: DVD DISC IN MODE: DVD STOP
2. UNLESS OTHERWISE SPECIFIED.
   ALL RESISTORS ARE 1/10W ±5% METAL GLAZE RESISTOR. OR 0.5% METAL GLAZE RESISTOR.
   ALL CAPACITORS ARE50V OF 25V CERAMIC CAPACITOR.
   ALL RESISTANCE VALUES ARE IN OHM(Ω).
   ALL CAPACITANCE VALUES ARE IN μF(P=PF).
   ALL E-CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(μF) /RATED VOLTAGE (V).
   ALL INDUCTANCE VALUES ARE IN μH(m=mH).
3. NI STANDS FOR NOT INSERTED PARTS.
4. DIGITAL TRANSISTOR

UN2119-X = 10k / 1k

■ DVD servo / DVD system control section (2/2)

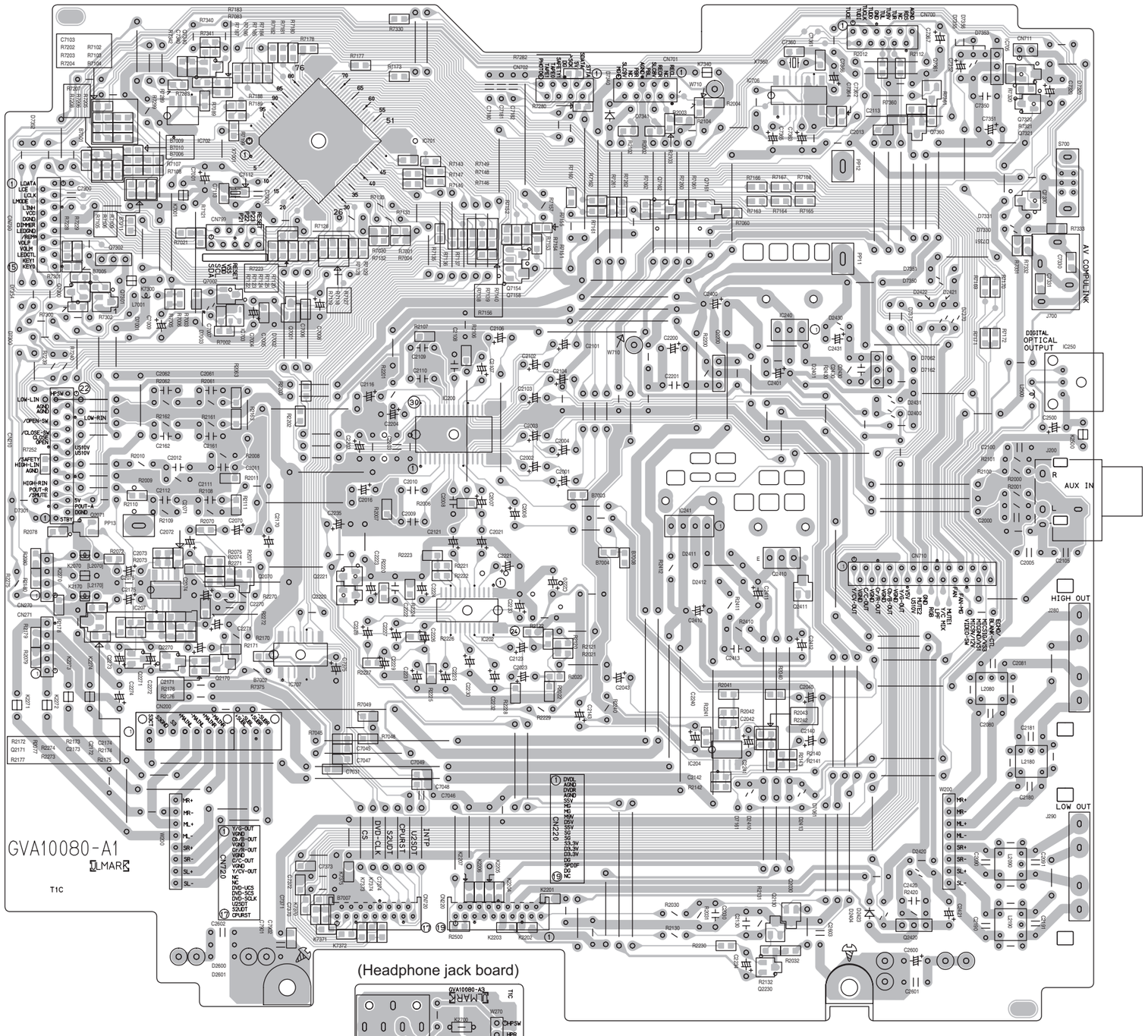


SHEET 9

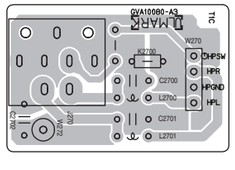
Printed circuit boards

■ Main board

(Main board)

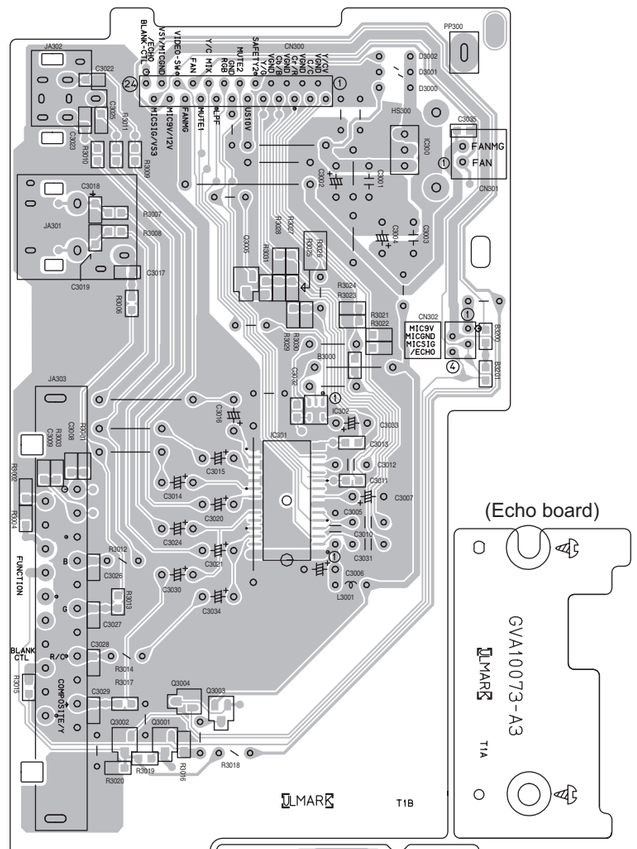


(Headphone jack board)



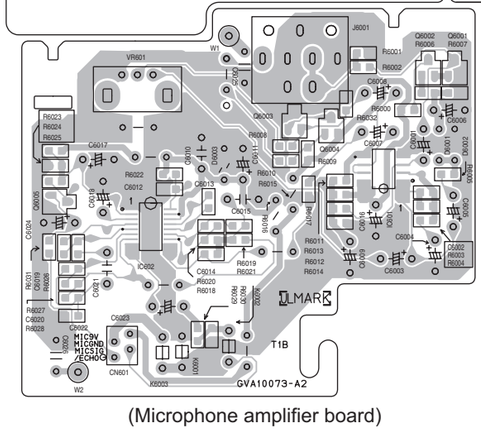
■ Video board

(Video board)



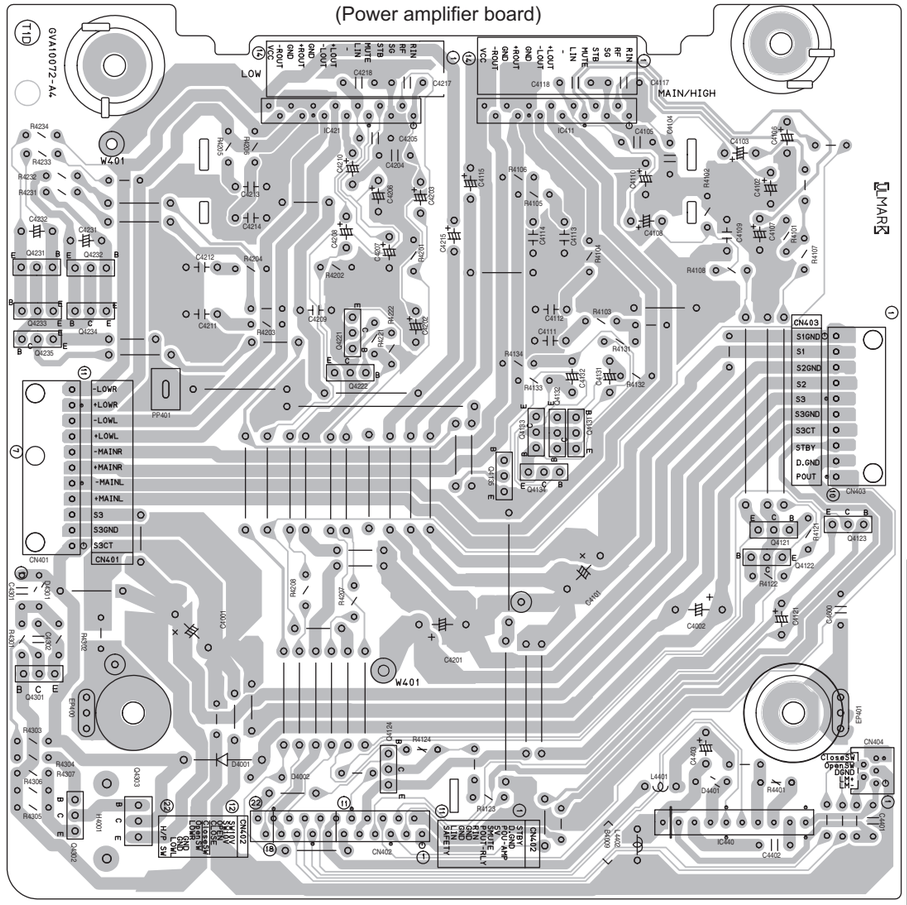
(Echo board)

(Microphone amplifier board)

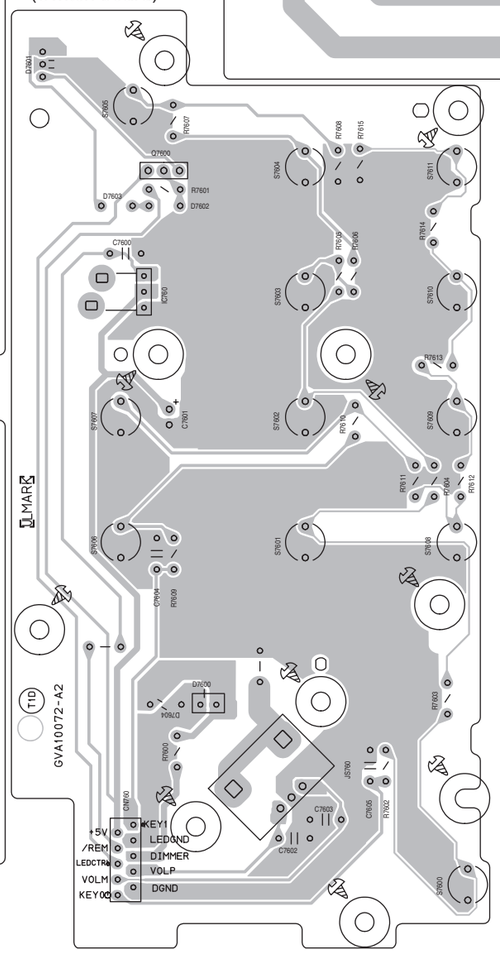


■ Power board

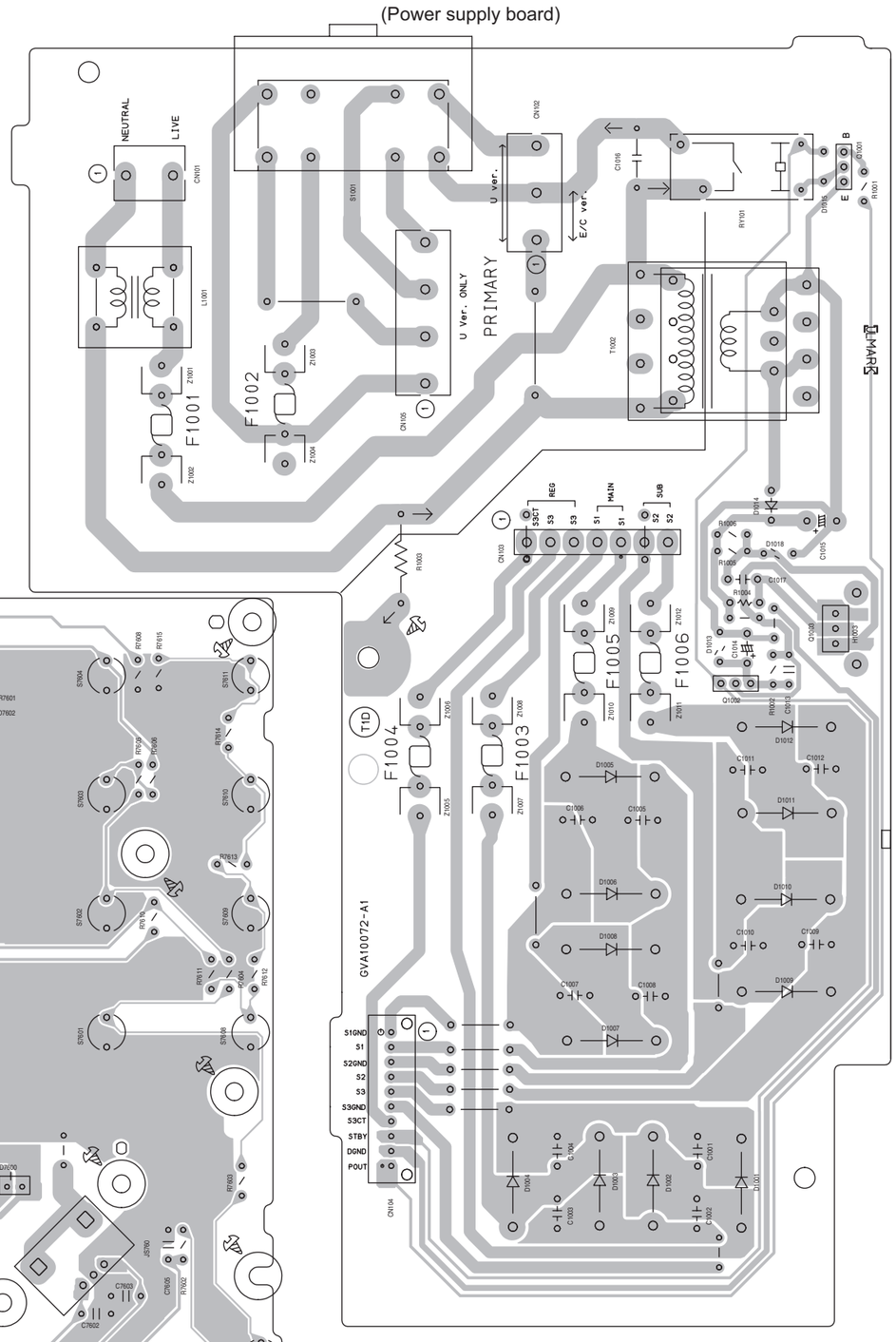
(Power amplifier board)



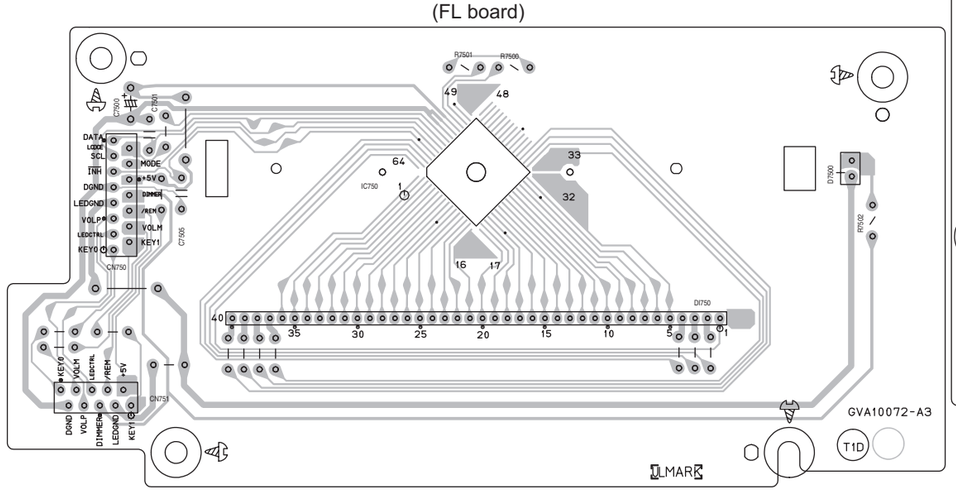
(Switch board)



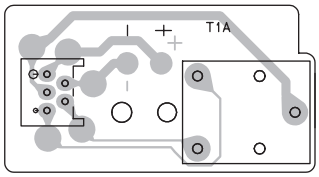
(Power supply board)



(FL board)

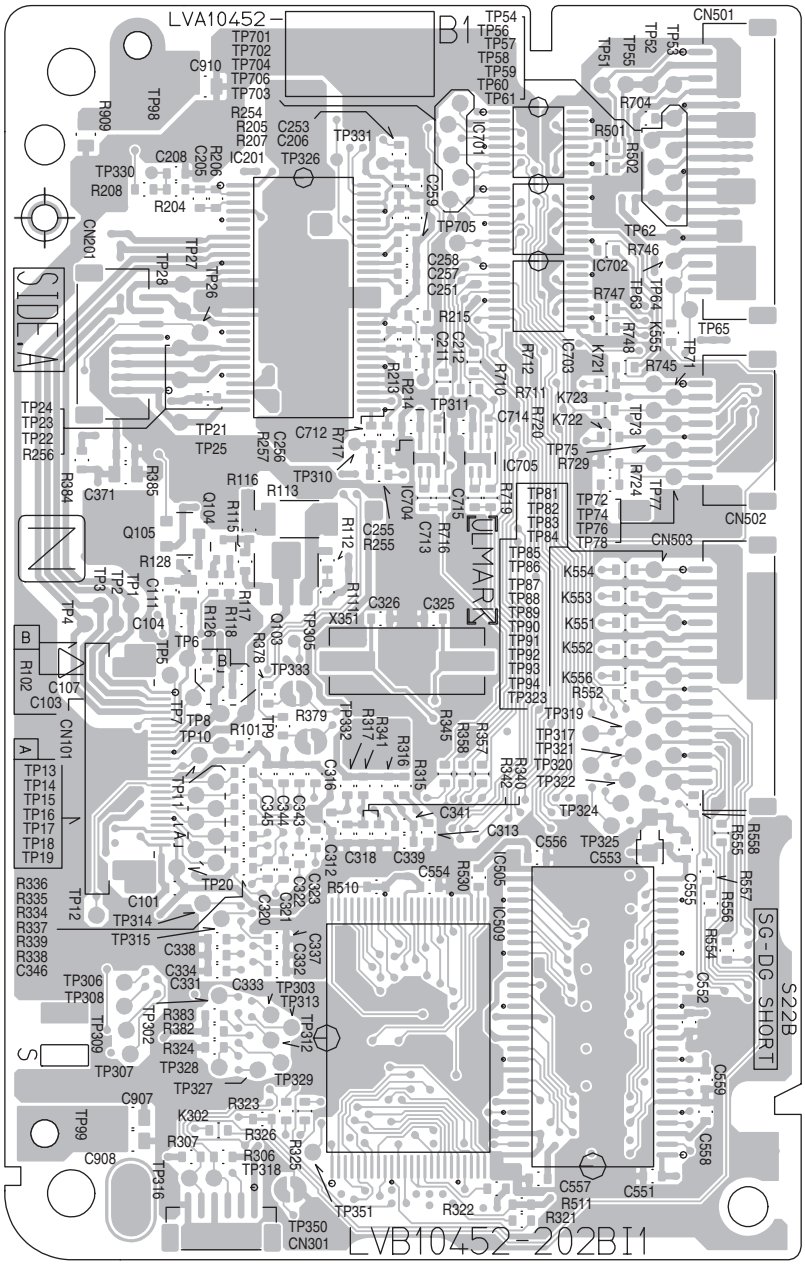


■ DVD loading switch board



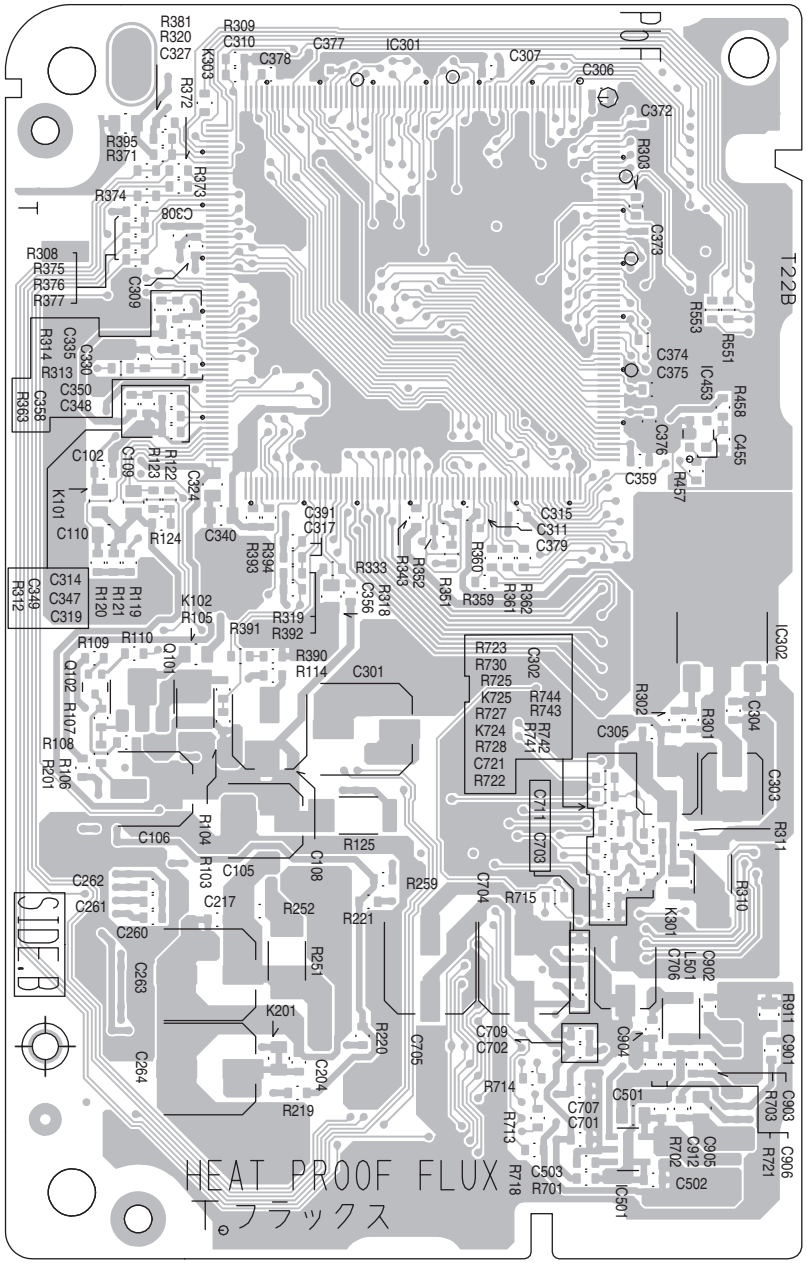
■ DVD servo board (1/2)

Forward side

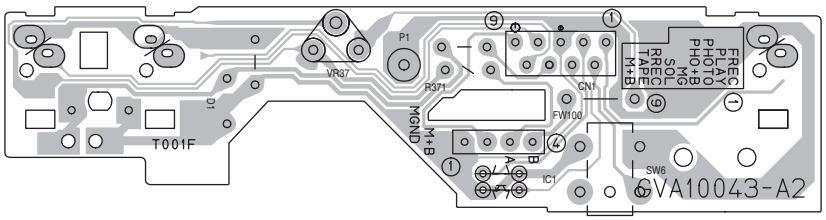


■ DVD servo board (2/2)

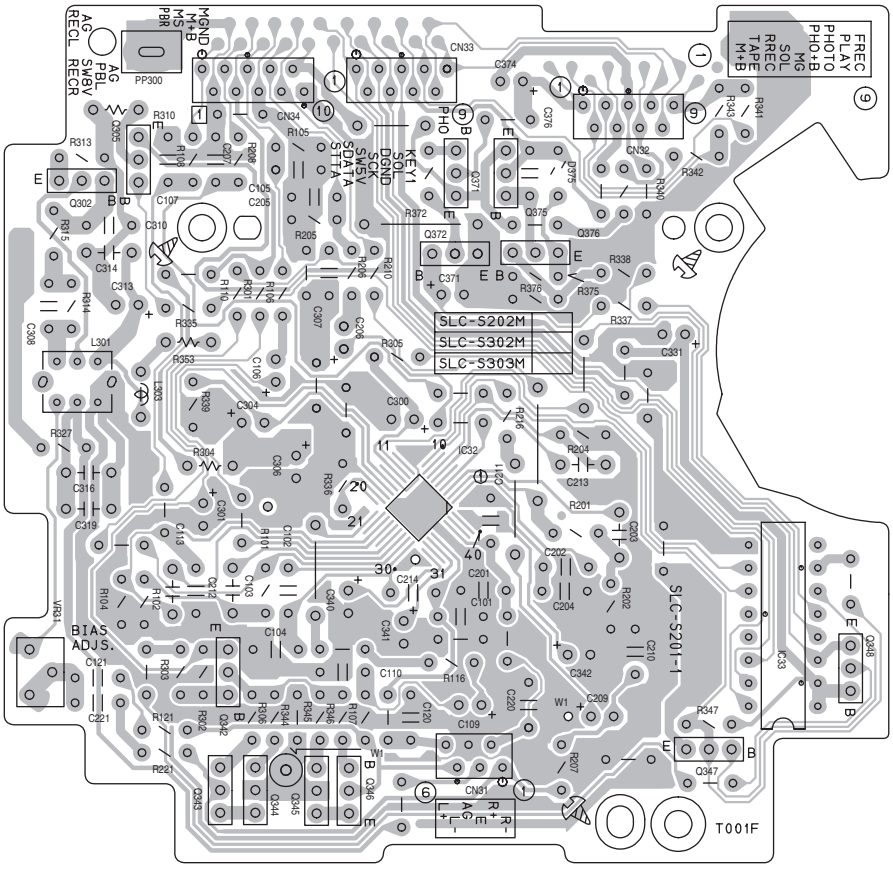
Reverse side



■ Cassette switch board



■ Head amplifier board



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

(No.MB286SCH)

Printed in Japan
WPC

PARTS LIST

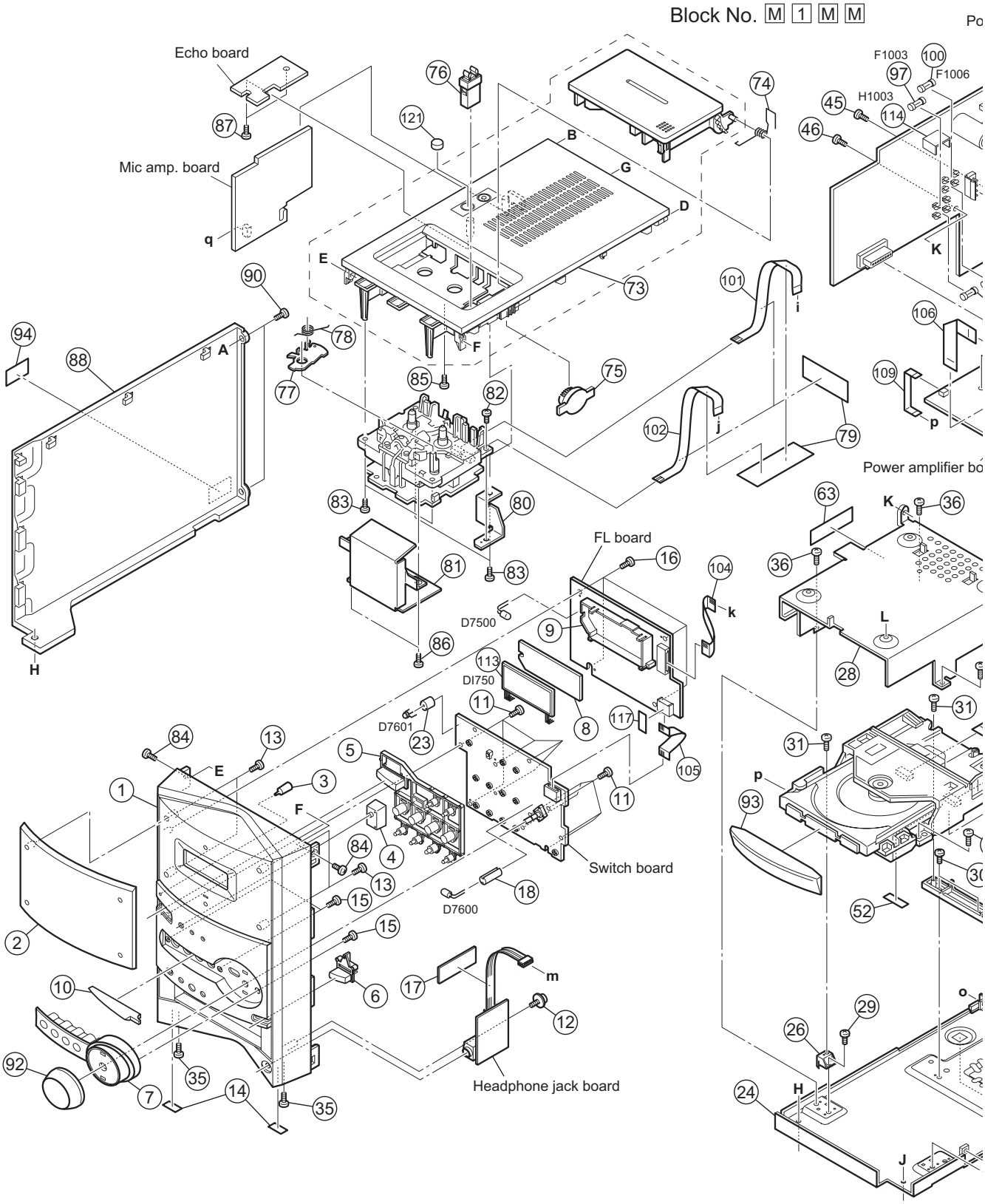
[UX-P550]

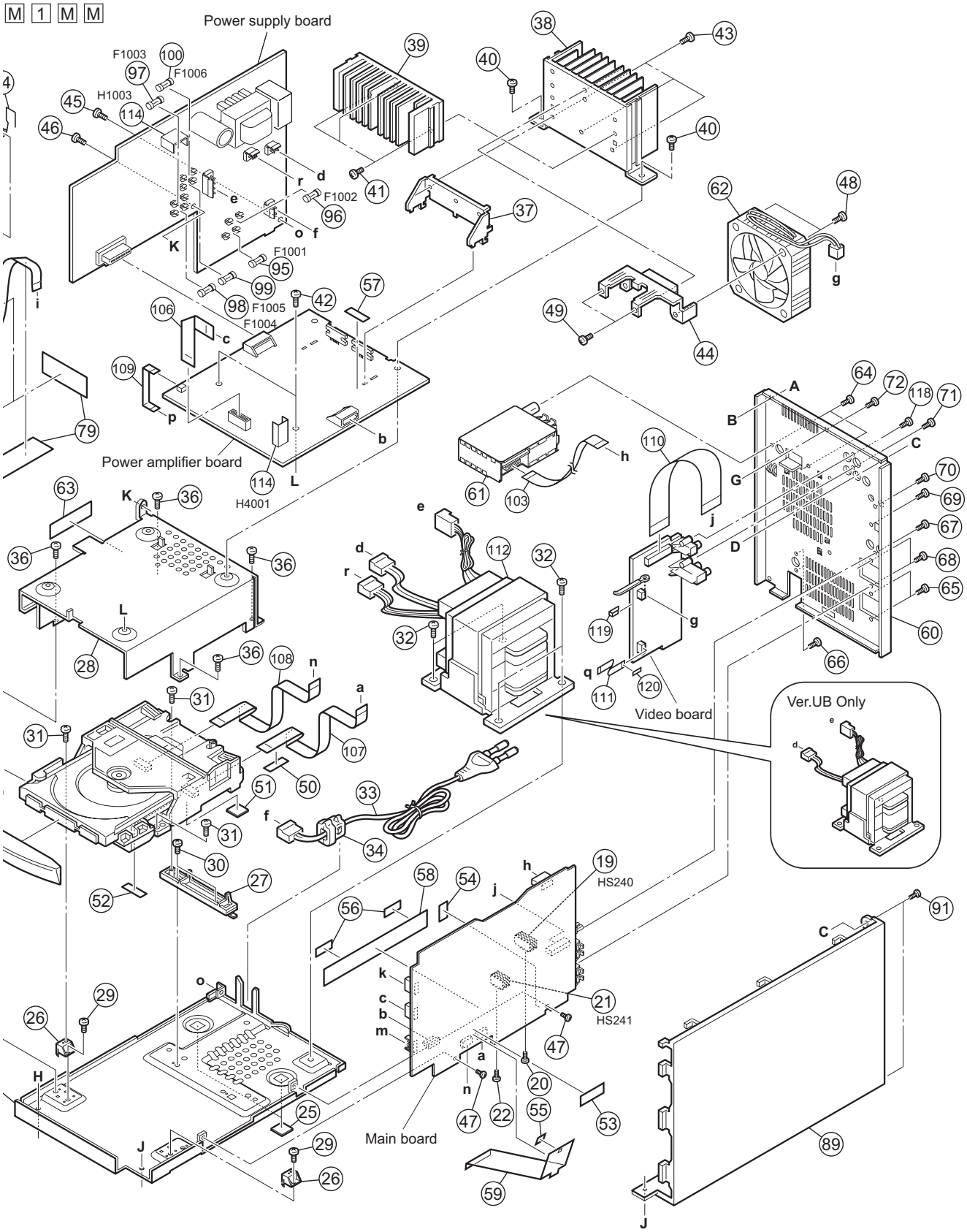
* All printed circuit boards and its assemblies are not available as service parts.

Area suffix
US ---------- Singapore
UB ---------- Hong Kong
UW ---------- Brazil,Mexico,Peru
UX ---------- Saudi Arabia
UJ ---------- U.S.Military
UN ----------Asean

- Contents -

Exploded view of general assembly and parts list




M 1 M M
Power supply board
F1003
F1006
H1003
F1002
F1001
F1005
F1004
Power amplifier board
H4001
Video board
Ver.UB Only
HS240
HS241
Main board

General Assembly

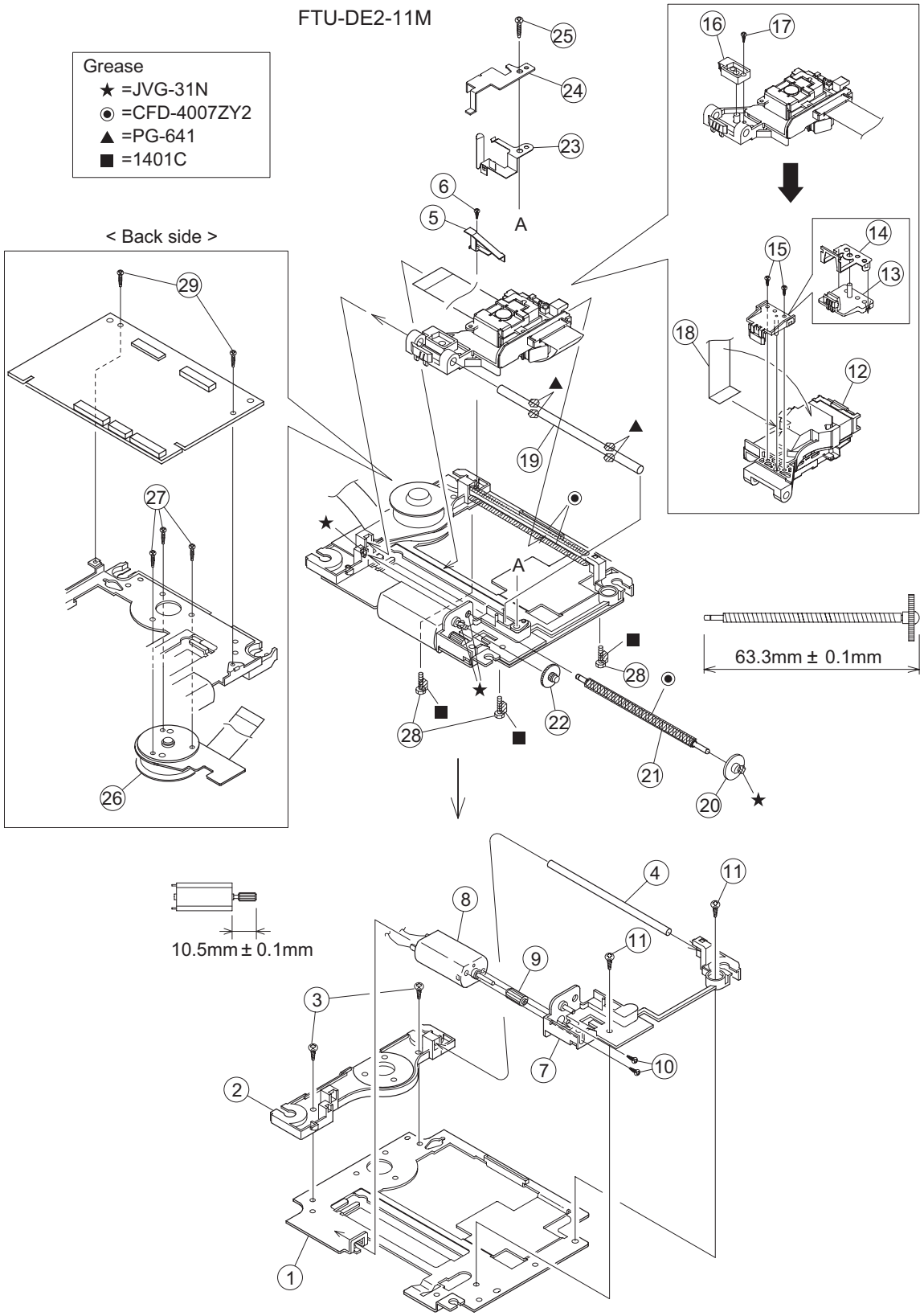
Block No. [M][1][M][M]

⚠	Symbol No.	Part No.	Part Name	Description	Local
	1	GV10189-016A	FRONT PANEL		
	2	GV30569-005A	FRONT LENS		
	3	GV40470-001A	STANDBY LENS		
	4	GV40471-001A	REMOTE LENS		
	5	GV20265-009A	MAIN BUTTON		
	6	GV40472-004A	EJECT BUTTON		
	7	GV30555-003A	VOL PLATE		
	8	GV40473-002A	LCD LENS		
	9	GV30557-001A	LCD HOLDER		
	10	GV40478-004A	LED LENS		
	11	QYSBSF2608Z	TAP SCREW	M2.6 x 8mm(x10)	
	12	GV40035-001A	SPECIAL SCREW		
	13	QYSDSF2006M	TAP SCREW	M2 x 6mm(x4)	
	14	GV40313-002A	FELT SPACER	(x2)	
	15	QYSBSF2606Z	TAP SCREW	M2.6 x 6mm(x3)	
	16	QYSBSF2608Z	TAP SCREW	M2.6 x 8mm(x4)	
	17	GV30349-007A	SPACER		
	18	GV40508-001A	LED HOLDER		
	19	GV40534-001A	HEAT SINK		
	20	QYSBSG3008Z	TAP SCREW	M3 x 8mm	
	21	LV40057-H30B	HEAT SINK		
	22	QYSBSG3008Z	TAP SCREW	M3 x 8mm	
	23	GV40203-002A	LED HOLDER B		
	24	GV10190-001A	BOTTOM CHASSIS		
	25	GV40313-002A	FELT SPACER	(x2)	
	26	GV40474-001A	MECHA HOLDER F	(x2)	
	27	GV40479-001A	MECHA HOLDER R		
	28	GV20269-002A	SHIELD CASE		
	29	QYSDST3005Z	TAP SCREW	M3 x 5mm(x2)	
	30	QYSDST3005Z	TAP SCREW	M3 x 5mm(x2)	
	31	QYSBSF3008Z	TAP SCREW	M3 x 8mm(x3)	
	32	QYSBST4006Z	TAP SCREW	M4 x 6mm(x4)	
⚠	33	QMPN160-200-JD	POWER CORD(EU)	2m BLACK	UB
⚠	33	QMPK210-205-JN	POWER CORD(EU)	2.05m BLACK	UJ,UN,US
⚠	33	QMPK200-200-JD	POWER CORD(EU)	2m BLACK	UW
⚠	33	QMPR270-200-JD	POWER CORD(EU)	2m BLACK	UX
⚠	34	QZW0033-001	STRAIN RELIEF		
	35	QYSSST3008Z	TAP SCREW	M3 x 8mm(x2)	
	36	QYSDST3005Z	TAP SCREW	M3 x 5mm(x4)	
	37	GV40480-002A	IC HOLDER		
	38	GV30559-007A	HEAT SINK		
	39	GV30611-001A	HEAT SINK B		
	40	QYSBSG3008E	TAP SCREW	M3 x 8mm(x2)	
	41	QYSBSG3012Z	TAP SCREW	M3 x 12mm(x3)	
	42	QYSBSG3008E	TAP SCREW	M3 x 8mm(x2)	
	43	QYSBSG3012Z	TAP SCREW	M3 x 12mm(x3)	
	44	GV30612-003A	FAN BRACKET B		
	45	QYSBSTG3006Z	TAP SCREW	M3 x 6mm	
	46	QYSBSTG3006Z	TAP SCREW	M3 x 6mm	
	47	QYSBSTG3006Z	TAP SCREW	M3 x 6mm(x2)	
	48	QYSBSG3020Z	TAP SCREW	M3 x 20mm(x2)	
	49	QYSBSG3012Z	TAP SCREW	M3 x 12mm(x2)	
	50	GV40242-004A	COMMON SPACER		
	51	E3400-431	SPECER		
	52	GV30349-027A	SPACER		
	53	GV30349-005A	SPACER		
	54	E3400-431	SPECER		
	55	E3400-431	SPECER		
	56	E3400-431	SPECER	(x2)	
	57	GV30349-007A	SPACER		
	58	GV40527-001A	COPPER SHIELD		
	59	GV40530-001A	WIRE LOCATOR		
	60	GV20270-045A	REAR PANEL		UB
	60	GV20270-051A	REAR PANEL		UJ
	60	GV20270-042A	REAR PANEL		UN,US
	60	GV20270-041A	REAR PANEL		UW
	60	GV20270-043A	REAR PANEL		UX
	61	QAU0346-001	TUNER	TU 1	
	62	QAR0124-003	FAN		
	63	LV41843-002A	LASER CAUTION		
	64	QYSBSGY3008E	TAP SCREW	M3 x 8mm(x2)	
	65	QYSBSGY3008E	TAP SCREW	M3 x 8mm(x2)	
	66	QYSBSGY3008E	TAP SCREW	M3 x 8mm(x2)	UJ,UN,US,UW,UX
	67	QYSBSGY3008E	TAP SCREW	M3 x 8mm	

⚠	Symbol No.	Part No.	Part Name	Description	Local
	68	QYSBSGY3008E	TAP SCREW	M3 x 8mm(x2)	
	69	QYSBSGY3008E	TAP SCREW	M3 x 8mm	
	70	QYSBSGY3008E	TAP SCREW	M3 x 8mm	
	71	QYSBSGY3008E	TAP SCREW	M3 x 8mm	
	72	QYSBSGY3008E	TAP SCREW	M3 x 8mm	
	73	GV20288-005A	TOP COVER ASSY		
	74	GV40506-001A	DOOR SPRING		
	75	GV40034-001A	DAMPER ASSY.		
	76	GV40220-001A	LACH		
	77	VKL7850-002	EJECT SAFTY(R)		
	78	VKW5258-003	TORSION SPRING		
	79	GV30349-022A	SPACER	(x2)	
	80	GV40229-001A	SUPPORT BRACKET		
	81	GV30071-001A	HEAD SHIELD		
	82	QYSBSF3008Z	TAP SCREW	M3 x 8mm	
	83	QYSBSF3010Z	TAP SCREW	M3 x 10mm(x4)	
	84	QYSSSF3008Z	TAP SCREW	M3 x 8mm(x2)	
	85	GV40035-001A	SPECIAL SCREW		
	86	QYSBSF2608Z	TAP SCREW	M2.6 x 8mm(x2)	
	87	QYSBSF3008Z	TAP SCREW	M3 x 8mm(x2)	
	88	GV10194-004A	SIDE PANEL L		
	89	GV10195-001A	SIDE PANEL R		
	90	QYSBSGY3010E	TAP SCREW	M3 x 10mm(x2)	
	91	QYSBSGY3010E	TAP SCREW	M3 x 10mm(x2)	
	92	GV30563-001A	MIC VOL KNOB		
	93	GV30564-006A	TRAY FITTING		
	94	GV30562-011A	RATING LABEL		UB
	94	GV30562-010A	RATING LABEL		UJ,UN,US,UW,UX
⚠	95	QMF51W2-1R0-J8	FUSE	F1001 1A AC250V	UB
⚠	95	QMF51W2-2R0-J8	FUSE	F1001 2A AC250V	UJ,UN,US,UW,UX
⚠	96	QMF51W2-1R25-J8	FUSE	F1002 1.25A AC250V	UJ,UN,US,UW,UX
⚠	97	QMF51W2-3R15-J8	FUSE	F1003 3.15A AC250V	
⚠	98	QMF51W2-1R25-J8	FUSE	F1004 1.25A AC250V	
⚠	99	QMF51W2-6R3-J8	FUSE	F1005 6.3A AC250V	
⚠	100	QMF51W2-6R3-J8	FUSE	F1006 6.3A AC250V	
	101	QUQH12-0922AJ	CARD WIRE	FC 33	
	102	QUQH12-1022AJ	CARD WIRE	FC 34	
	103	QUQH12-1115AJ	CARD WIRE	FC 700	
	104	QUQH12-1508AJ	CARD WIRE	FC 750	
	105	QUQH12-1008AJ	CARD WIRE	FC 760	
	106	QUQH12-2214AJ	CARD WIRE	FC 402	
	107	QUQH10-1912AJ	CARD WIRE	FC 220	
	108	QUQH10-1717BJ	CARD WIRE	FC 720	
	109	QUQH10-0506BJ	CARD WIRE	FC 404	
	110	QUQH12-2419AJ	CARD WIRE	FC 710	
	111	QUQH12-0412AJ	CARD WIRE	FC 302	
⚠	112	QQT0431-002	POWER TRANSF	T 1001	UB
⚠	112	QQT0431-003	POWER TRANSF	T 1001	UJ,UN,US,UW,UX
	113	QLD0312-001	LCD MODULE	DI 750	
	114	LE40505-001A	HEAT SINK	H1003	UJ,UN,US,UW,UX
	115	LE40505-001A	HEAT SINK	H4001	UJ,UN,US,UW,UX
	117	GV40242-004A	COMMON SPACER		
	118	QYSBSGY3008E	TAP SCREW	M3 x 8mm	
	119	GV30349-007A	SPACER		
	120	GV40242-001A	COMMON SPACER		
	121	GV40285-002A	MIC VOL KNOB		

DVD mechanism assembly and parts list

Block No. M J M M

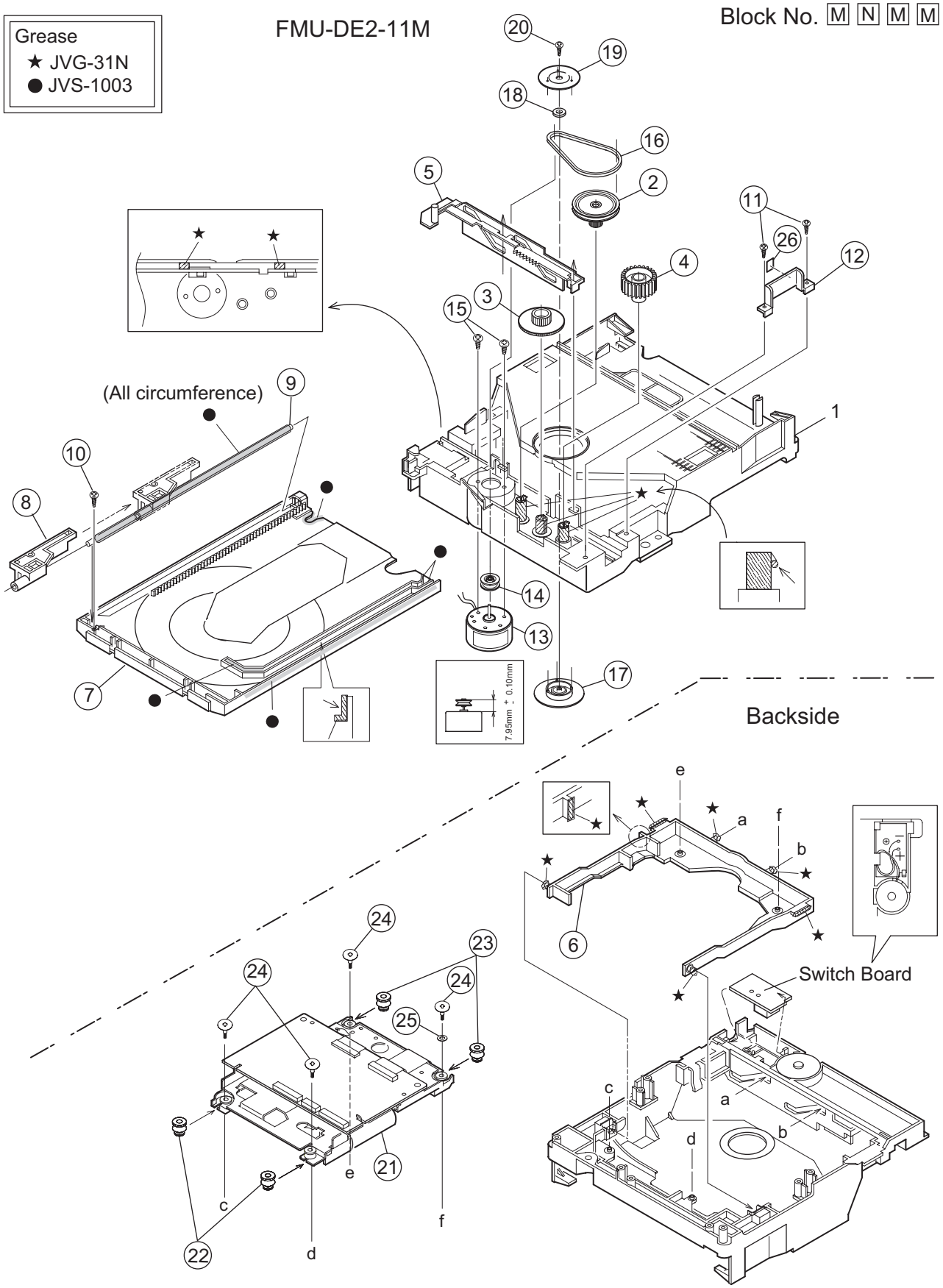


DVD mechanism

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

⚠	Symbol No.	Part No.	Part Name	Description	Local
	1	LE20725-001A	MECHA BASE		
	2	LE20699-002A	SPINDLE BASE		
	3	QYSDST2605M	TAP SCREW	M2.6 x 5mm(x2)	
	4	LE40931-001A	SHAFT		
	5	LV33991-001A	ADJUST SPRING		
	6	QYSPSFU2040M	TAP SCREW	M2 x 4mm	
	7	LE20698-004A	FEED HOLDER		
	8	QAR0215-001	FEED MOTOR		
	9	LV41510-201A	FEED GEAR T		
	10	QYSPSPU2040M	SCREW	M2 x 4mm(x2)	
	11	QYSDST2605M	TAP SCREW	M2.6 x 5mm(x2)	
	12	QAL0507-001	PICK UP		
	13	LE20700-001A	SW ACTUATOR		
	14	LE31067-002A	LEAD SPRING		
	15	QYSPSFU1740Z	TAP SCREW	M1.7 x 4mm(x2)	
	16	LE40929-001A	SW.LEVER		
	17	QYSPSFU1740Z	TAP SCREW	M1.7 x 4mm	
	18	QUQ105-2411AC	FFC		
	19	LE40931-001A	SHAFT		
	20	LE40855-001A	FEED GEAR E		
	21	LE40918-001A	LEAD SCREW		
	22	LE40930-001A	FEED GEAR M		
	23	LE40928-001A	THURUST SPRING		
	24	LE40927-001A	PLATE		
	25	QYSDST2614Z	TAPPING SCREW	M2.6 x 14mm	
	26	QAR0316-001	SPINDLE MOTOR		
	27	QYSPSPU1740Z	SCREW	M1.7 x 4mm(x3)	
	28	LE40858-002A	SPECIAL SCREW	(x3)	
	29	QYSDST2004Z	SCREW	2mm x 4mm(x2)	

DVD loading base assembly and parts list



The parts without symbol number are not service.

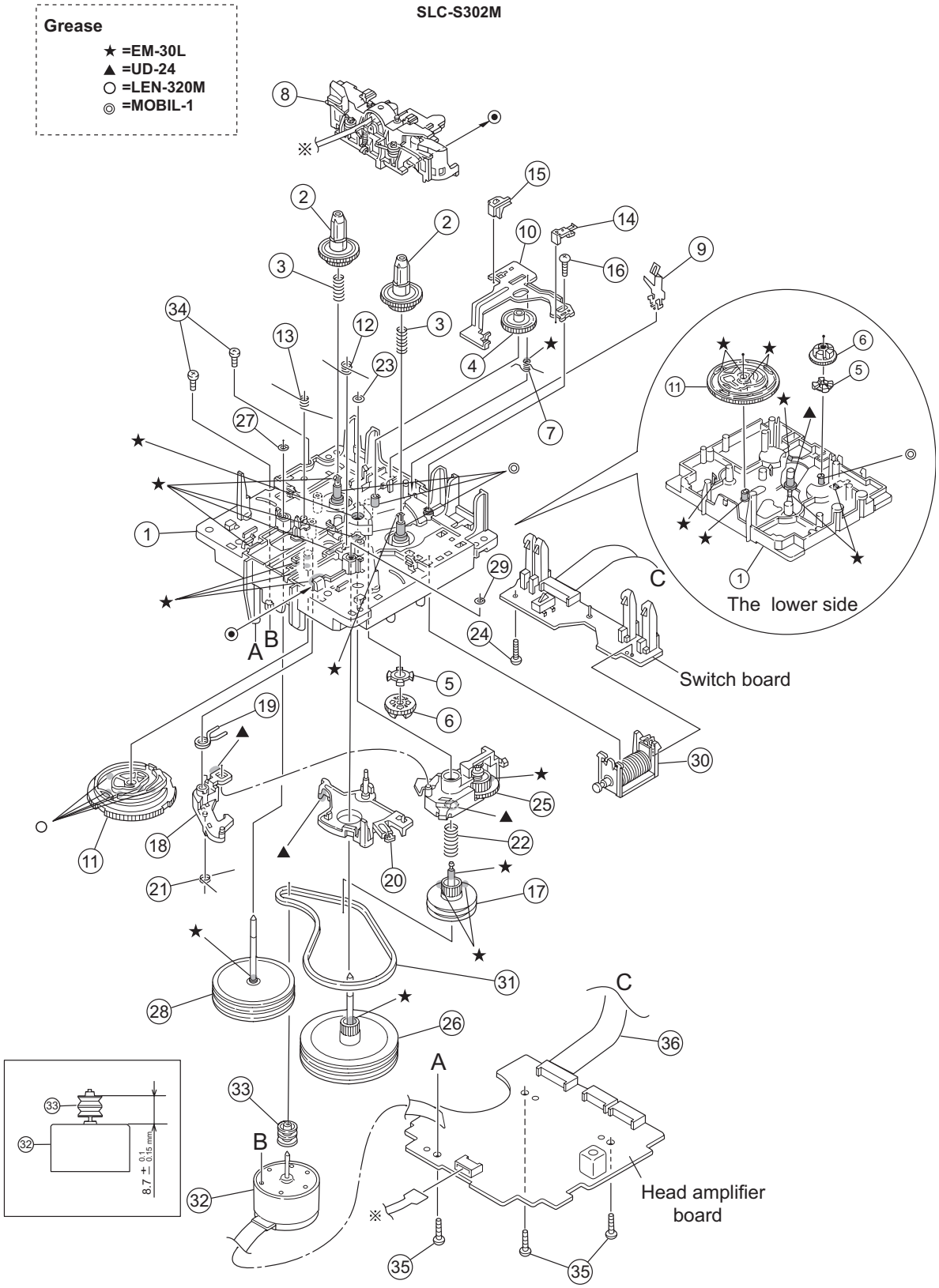
DVD loading base

Block No. [M][N][M][M]

⚠	Symbol No.	Part No.	Part Name	Description	Local
	1	LE10275-006A	LOADING BASE		
	2	LE31043-001A	PULLEY GEAR		
	3	LE31042-001A	MIDDLE GEAR		
	4	LE31044-001A	IDLE GEAR		
	5	LE20665-001A	SLIDE CAM		
	6	LE20666-003A	ELEVATOR		
	7	LE10276-002A	TRAY		
	8	LE31045-001A	BUSHING		
	9	LE40898-001A	SHAFT		
	10	QYSSSF2008Z	TAP SCREW	M2 x 8mm	
	11	QYSDSF2008Z	TAP SCREW	M2 x 8mm(x2)	
	12	LE40937-002A	LEAF SPRING		
	13	QAR0197-001	MOTOR		
	14	LV42087-002A	MOTOR PULLEY		
	15	QYSPSPU1730Z	SCREW	M1.7 x 3mm(x2)	
	16	LE40897-001A	BELT		
	17	LE31046-003A	CLAMPER		
	18	LV42930-003A	P.C.MAGNET		
	19	LE40899-001A	YOKE		
	20	LE40906-001A	SPECIAL SCREW		
	21	----------	DVD TRAMECHA		
	22	LE40900-003A	INSULATOR	(x2)	
	23	LE40900-005A	INSULATOR	(x2)	
	24	LE40901-001A	SPECIAL SCREW	(x4)	
	25	QYWFM419025	WASHER	1.9mm/21.4mm x 0.02mm	
	26	LV43828-001A	SPACER		

Cassette mechanism assembly and parts list

Block No. M P M M



Cassette mechanism

Block No. [M][P][M][M]

⚠	Symbol No.	Part No.	Part Name	Description	Local
	1	VKS1165-00N	CHASSIS B. ASSY		
	2	VKS2274-002	REEL GEAR	(x2)	
	3	VKW5286-002	B.T. SPRING	(x2)	
	4	VKS5559-001	PLAY IDLE GEAR		
	5	VKS5595-002	BLIND		
	6	VKS5560-003	FR IDLE GEAR		
	7	LV42013-001A	EARTH SPRING		
	8	SLC-RP4SVM	HEAD MOUNT ASSY		
	9	VKY3149-002	CASSETTE SP.		
	10	LV31786-002A	PLAY LEVER		
	11	VKS1166-003	CONTROL CAM		
	12	VKW5279-002	HEAD BASE SP(R)		
	13	VKW5280-001	HEAD BASE SP(L)		
	14	LV41584-001A	BRAKE(R)		
	15	LV41585-003A	BRAKE(L)		
	16	QYSBSF2005Z	SCREW	2mm x 5mm	
	17	VKS5603-00G	MAIN PULLEY ASS		
	18	VKS3785-001MM	FR ARM		
	19	VKW5284-002	SWING SPRING		
	20	VKS2278-003	TRIGGER ARM		
	21	VKW5301-001	FR SPRING		
	22	VKW5266-001	ELEVATOR SPRING		
	23	WDL214025	WASHER		
	24	QYSBSF2005Z	SCREW	2mm x 5mm	
	25	VKS3786-00G	CLUTCH ASSY		
	26	VKF3205-00B	F.WHEEL ASSY(R)		
	27	WDL183425	SLIT WASHER		
	28	VKF3207-00C	F.WHEEL ASSY(L)		
	29	WDL173525-6	SLIT WASHER		
	30	VKZ3174-00B	DC SOLENOID		
	31	LV42836-001A	CAPSTAN BELT		
	32	MSI-5U2LWA	D.C.MOTOR		
	33	VKR4761-003	MOTOR PULLEY		
	34	QYSPSP2604Z	SCREW	2.6mm x 4mm(x2)	
	35	QYSBSF2608Z	TAPPING SCREW	2.6mm x 8mm(x3)	
	36	QUQH12-0906BF	WIRE		

Electrical parts list

Main board

Block No. [0][1]

⚠ Symbol No.	Part No.	Part Name	Description	Local
IC200	LC75342M-X	IC		
IC202	JCV8011-X	IC		
IC204	HA17558AF-X	IC		
IC207	HA17558AF-X	IC		
⚠ IC240	KIA7810API	IC		
⚠ IC241	PQ05RD21	IC		
IC250	GP1FA553TZ	OPT TRANSMITTER		
IC701	MN101C49GFK1	MASK ROM		
IC702	BR24L01AF-W-X	IC		
IC703	BD4740G-W	IC		
IC705	KIA78S06P-T	IC		
IC707	74VHCT08ASJ-X	IC		
Q2070	2SC2412K/R/-X	TRANSISTOR		
Q2071	2SC2412K/R/-X	TRANSISTOR		
Q2170	2SC2412K/R/-X	TRANSISTOR		
Q2171	2SC2412K/R/-X	TRANSISTOR		
⚠ Q2200	2SC2001/LK/-T	TRANSISTOR		
Q2220	2SC2412K/R/-X	TRANSISTOR		
Q2221	KRA102S-X	DIGI TRANSISTOR		
Q2270	KRA102S-X	DIGI TRANSISTOR		
Q2271	KRA102S-X	DIGI TRANSISTOR		
⚠ Q2410	KTA1046/Y/	TRANSISTOR		
Q2411	KTC3875/YG/-X	SI TRANSISTOR		
⚠ Q2420	KTC1027/OY/-T	TRANSISTOR		
Q7001	KRC107S-X	DIGI TRANSISTOR		
Q7002	KRC111S-X	TRANSISTOR		
Q7154	2SC2412K/R/-X	TRANSISTOR		
Q7158	2SC2412K/R/-X	TRANSISTOR		
Q7161	KRC102S-X	DIGI TRANSISTOR		
Q7162	KRC102S-X	DIGI TRANSISTOR		
Q7300	2SA1037AK/RS/-X	TRANSISTOR		
Q7301	KRC111S-X	TRANSISTOR		
Q7302	KRC110M-T	TRANSISTOR		
Q7320	2SA1037AK/RS/-X	TRANSISTOR		
Q7321	KRC111S-X	TRANSISTOR		
Q7330	KRC102S-X	DIGI TRANSISTOR		
Q7340	2SC2412K/R/-X	TRANSISTOR		
Q7360	2SA1037AK/RS/-X	TRANSISTOR		
Q7361	KRC111S-X	TRANSISTOR		
D2400	MTZJ11C-T2	Z DIODE		
D2404	1N4003S-T5	SI DIODE		
D2410	MTZJ5.6C-T2	Z DIODE		
D2412	1SS119-041-T2	DIODE		
D2413	MTZJ3.9B-T2	Z DIODE		
D2420	MTZJ5.6A-T2	Z DIODE		
D2421	MTZJ5.6C-T2	Z DIODE		
D2422	1SS119-041-T2	DIODE		
D7001	1SS119-041-T2	DIODE		
D7002	1SS119-041-T2	DIODE		
D7003	MTZJ4.7B-T2	Z DIODE		
D7061	1SS119-041-T2	DIODE		
D7062	1SS119-041-T2	DIODE		
D7161	1SS119-041-T2	DIODE		
D7300	1SS119-041-T2	DIODE		
D7301	1SS119-041-T2	DIODE		
D7320	1SS119-041-T2	DIODE		
D7330	MTZJ6.2C-T2	Z DIODE		
D7331	1SS119-041-T2	DIODE		
D7340	1N4003S-T5	SI DIODE		
D7341	1SS119-041-T2	DIODE		
D7350	MTZJ6.2C-T2	Z DIODE		
D7351	1SS119-041-T2	DIODE		
D7352	1SS119-041-T2	DIODE		
D7353	1SS119-041-T2	DIODE		
D7354	1SS119-041-T2	DIODE		
D7370	MTZJ5.6C-T2	Z DIODE		
D7371	1SS119-041-T2	DIODE		
C2000	QCBB1HK-221Y	C CAPACITOR	220pF 50V K	
C2001	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C2002	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C2003	QTE1H28-106Z	E CAPACITOR	10uF 50V	
C2004	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C2006	QTE1V06-106Z	E CAPACITOR	10uF 35V	
C2007	QTE1V06-106Z	E CAPACITOR	10uF 35V	
C2008	QFLC1HJ-272Z	M CAPACITOR	2700pF 50V J	
C2009	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
C2010	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
C2011	QFLC1HJ-153Z	M CAPACITOR	0.015uF 50V J	
C2012	QFLC1HJ-153Z	M CAPACITOR	0.015uF 50V J	
C2013	NCB31HK-561X	C CAPACITOR	560pF 50V K	
C2016	QTE1H28-105Z	E CAPACITOR	1uF 50V	
C2021	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C2023	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C2040	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C2042	NCS31HJ-100X	C CAPACITOR	10pF 50V J	
C2043	QTE1V06-106Z	E CAPACITOR	10uF 35V	
C2061	QFLC1HJ-103Z	M CAPACITOR	0.01uF 50V J	
C2062	QFLC1HJ-103Z	M CAPACITOR	0.01uF 50V J	
C2070	QETN1CM-226Z	E CAPACITOR	22uF 16V M	
C2071	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C2072	NCS31HJ-151X	C CAPACITOR	150pF 50V J	
C2073	NCS31HJ-330X	C CAPACITOR	33pF 50V J	
C2074	NCB31HK-331X	C CAPACITOR	330pF 50V K	
C2075	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C2080	QCFB1HZ-104Y	C CAPACITOR	0.1uF 50V Z	
C2081	QDXB1CM-332Y	C CAPACITOR	3300pF 16V M	
C2090	QCFB1HZ-104Y	C CAPACITOR	0.1uF 50V Z	
C2091	QDXB1CM-332Y	C CAPACITOR	3300pF 16V M	
C2100	QCBB1HK-221Y	C CAPACITOR	220pF 50V K	
C2101	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C2102	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C2103	QTE1H28-106Z	E CAPACITOR	10uF 50V	
C2104	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C2106	QTE1V06-106Z	E CAPACITOR	10uF 35V	
C2107	QTE1V06-106Z	E CAPACITOR	10uF 35V	
C2108	QFLC1HJ-272Z	M CAPACITOR	2700pF 50V J	
C2109	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
C2110	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
C2111	QFLC1HJ-153Z	M CAPACITOR	0.015uF 50V J	
C2112	QFLC1HJ-153Z	M CAPACITOR	0.015uF 50V J	
C2113	NCB31HK-561X	C CAPACITOR	560pF 50V K	
C2116	QTE1H28-105Z	E CAPACITOR	1uF 50V	
C2121	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C2123	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C2140	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C2142	NCS31HJ-100X	C CAPACITOR	10pF 50V J	
C2143	QTE1V06-106Z	E CAPACITOR	10uF 35V	
C2161	QFLC1HJ-103Z	M CAPACITOR	0.01uF 50V J	
C2162	QFLC1HJ-103Z	M CAPACITOR	0.01uF 50V J	
C2170	QETN1CM-226Z	E CAPACITOR	22uF 16V M	
C2171	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C2172	NCS31HJ-151X	C CAPACITOR	150pF 50V J	
C2173	NCS31HJ-330X	C CAPACITOR	33pF 50V J	
C2174	NCB31HK-331X	C CAPACITOR	330pF 50V K	
C2175	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C2180	QCFB1HZ-104Y	C CAPACITOR	0.1uF 50V Z	
C2181	QDXB1CM-332Y	C CAPACITOR	3300pF 16V M	
C2190	QCFB1HZ-104Y	C CAPACITOR	0.1uF 50V Z	
C2191	QDXB1CM-332Y	C CAPACITOR	3300pF 16V M	
C2200	QTE1C06-107Z	E CAPACITOR	100uF 16V	
C2201	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
C2202	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C2203	QCBB1HK-103Y	C CAPACITOR	0.01uF 50V K	
C2204	QETN1CM-226Z	E CAPACITOR	22uF 16V M	
C2220	QETN1CM-476Z	E CAPACITOR	47uF 16V M	
C2221	QETN1CM-476Z	E CAPACITOR	47uF 16V M	
C2222	QFLC1HJ-273Z	M CAPACITOR	0.027uF 50V J	
C2223	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C2224	QETN1CM-106Z	E CAPACITOR	10uF 16V M	
C2225	QETN1CM-106Z	E CAPACITOR	10uF 16V M	
C2226	QETN1CM-106Z	E CAPACITOR	10uF 16V M	
C2227	QETN1CM-106Z	E CAPACITOR	10uF 16V M	
C2228	QETN1HM-335Z	E CAPACITOR	3.3uF 50V M	
C2229	QETN1HM-224Z	E CAPACITOR	0.22uF 50V M	
C2230	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	

⚠ Symbol No.	Part No.	Part Name	Description	Local
C2231	QETN1HM-474Z	E CAPACITOR	0.47uF 50V M	
C2232	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C2233	QETN1CM-476Z	E CAPACITOR	47uF 16V M	
C2240	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C2241	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C2270	QETN1CM-476Z	E CAPACITOR	47uF 16V M	
C2271	QETN1CM-226Z	E CAPACITOR	22uF 16V M	
C2272	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C2273	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C2400	QETN1EM-477Z	E CAPACITOR	470uF 25V M	
C2401	QETN1CM-227Z	E CAPACITOR	220uF 16V M	
C2410	QETN1CM-477Z	E CAPACITOR	470uF 16V M	
C2411	QETN1AM-227Z	E CAPACITOR	220uF 10V M	
C2412	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C2413	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
C2420	QFLC1HJ-472Z	M CAPACITOR	4700pF 50V J	
C2421	QETN1CM-227Z	E CAPACITOR	220uF 16V M	
C2500	QETN1CM-476Z	E CAPACITOR	47uF 16V M	
C2603	QCBB1HK-103Y	C CAPACITOR	0.01uF 50V K	
C2700	QCBB1HK-103Y	C CAPACITOR	0.01uF 50V K	
C2701	QCBB1HK-103Y	C CAPACITOR	0.01uF 50V K	
C2702	QCBB1HK-103Y	C CAPACITOR	0.01uF 50V K	
C7001	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C7002	QDYB1CM-103Y	C CAPACITOR	0.01uF 16V M	
C7004	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C7005	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C7006	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C7007	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C7008	QETN0JM-227Z	E CAPACITOR	220uF 6.3V M	
C7009	QETN0JM-228Z	E CAPACITOR	2200uF 6.3V M	
C7031	NCS31HJ-220X	C CAPACITOR	22pF 50V J	
C7046	QCSB1HJ-220Y	C CAPACITOR	22pF 50V J	
C7048	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C7103	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C7112	NCS31HJ-330X	C CAPACITOR	33pF 50V J	
C7113	NCS31HJ-330X	C CAPACITOR	33pF 50V J	
C7181	QDGB1HK-102Y	C CAPACITOR	1000pF 50V K	
C7182	QCBB1HK-101Y	C CAPACITOR	100pF 50V K	
C7320	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C7330	NCB31HK-221X	C CAPACITOR	220pF 50V K	
C7331	NCB31HK-221X	C CAPACITOR	220pF 50V K	
C7340	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C7350	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
C7351	QETN1CM-476Z	E CAPACITOR	47uF 16V M	
C7352	QETN1AM-107Z	E CAPACITOR	100uF 10V M	
C7367	QETN1CM-476Z	E CAPACITOR	47uF 16V M	
C7370	NCS31HJ-100X	C CAPACITOR	10pF 50V J	
C7371	NCS31HJ-100X	C CAPACITOR	10pF 50V J	
C7372	NCS31HJ-100X	C CAPACITOR	10pF 50V J	
C7373	NCS31HJ-100X	C CAPACITOR	10pF 50V J	
C7374	NCS31HJ-100X	C CAPACITOR	10pF 50V J	
C7375	QETN1CM-476Z	E CAPACITOR	47uF 16V M	
R2000	QRE141J-303Y	C RESISTOR	30kΩ 1/4W J	
R2001	QRE141J-303Y	C RESISTOR	30kΩ 1/4W J	
R2002	NRSA63J-912X	MG RESISTOR	9.1kΩ 1/16W J	
R2003	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R2004	NRSA63J-622X	MG RESISTOR	6.2kΩ 1/16W J	
R2006	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2007	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R2008	QRE141J-682Y	C RESISTOR	6.8kΩ 1/4W J	
R2009	QRE141J-682Y	C RESISTOR	6.8kΩ 1/4W J	
R2010	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J	
R2011	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2012	NRSA63J-203X	MG RESISTOR	20kΩ 1/16W J	
R2020	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R2021	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2022	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R2030	QRE141J-273Y	C RESISTOR	27kΩ 1/4W J	UB,UN,US,UW,UX
R2040	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J	
R2041	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R2042	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R2043	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2061	QRE141J-681Y	C RESISTOR	680Ω 1/4W J	
R2062	QRE141J-681Y	C RESISTOR	680Ω 1/4W J	
R2070	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R2071	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2072	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R2073	NRSA63J-433X	MG RESISTOR	43kΩ 1/16W J	
R2074	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R2075	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R2076	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R2077	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R2078	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R2100	QRE141J-303Y	C RESISTOR	30kΩ 1/4W J	
R2101	QRE141J-303Y	C RESISTOR	30kΩ 1/4W J	
R2102	NRSA63J-912X	MG RESISTOR	9.1kΩ 1/16W J	
R2103	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R2104	NRSA63J-622X	MG RESISTOR	6.2kΩ 1/16W J	
R2106	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2107	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R2108	QRE141J-682Y	C RESISTOR	6.8kΩ 1/4W J	
R2109	QRE141J-682Y	C RESISTOR	6.8kΩ 1/4W J	
R2110	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R2111	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2112	NRSA63J-203X	MG RESISTOR	20kΩ 1/16W J	
R2120	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R2121	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2122	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R2130	QRE141J-273Y	C RESISTOR	27kΩ 1/4W J	
R2140	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J	
R2141	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R2142	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R2143	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2161	QRE141J-681Y	C RESISTOR	680Ω 1/4W J	
R2162	QRE141J-681Y	C RESISTOR	680Ω 1/4W J	
R2170	QRE141J-332Y	C RESISTOR	3.3kΩ 1/4W J	
R2171	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2172	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R2173	NRSA63J-433X	MG RESISTOR	43kΩ 1/16W J	
R2174	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R2175	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R2176	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R2177	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R2178	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R2200	QRE141J-471Y	C RESISTOR	470Ω 1/4W J	
R2201	QRE141J-101Y	C RESISTOR	100Ω 1/4W J	
R2202	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R2203	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R2220	NRSA63J-474X	MG RESISTOR	470kΩ 1/16W J	
R2221	NRSA63J-474X	MG RESISTOR	470kΩ 1/16W J	
R2222	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R2223	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R2224	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R2225	NRSA63J-513X	MG RESISTOR	51kΩ 1/16W J	
R2226	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R2227	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R2228	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R2229	QRE141J-101Y	C RESISTOR	100Ω 1/4W J	
R2240	QRE141J-181Y	C RESISTOR	180Ω 1/4W J	
R2241	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2242	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2270	QRE141J-181Y	C RESISTOR	180Ω 1/4W J	
R2271	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2272	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2273	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R2274	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R2275	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R2410	QRE141J-122Y	C RESISTOR	1.2kΩ 1/4W J	
R2411	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J	
R2412	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R2420	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R2500	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R7001	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R7002	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R7003	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7004	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7005	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R7006	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R7021	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7030	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7045	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7048	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7049	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	

⚠ Symbol No.	Part No.	Part Name	Description	Local
R7060	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	
R7061	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R7062	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R7102	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7103	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7104	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7105	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7107	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7108	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7109	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7118	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7119	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7120	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7121	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7122	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7123	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7124	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7125	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7126	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R7127	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7128	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7129	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7131	QRE141J-101Y	C RESISTOR	100Ω 1/4W J	
R7132	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7135	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7136	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7137	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7138	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7139	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7140	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7143	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7145	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R7146	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7147	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7148	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R7149	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R7151	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7152	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7153	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7154	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7155	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7156	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7160	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7161	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7162	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7163	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7164	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7165	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7166	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7167	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7172	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7173	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7177	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7178	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7180	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7181	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7182	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7183	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7184	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7185	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7186	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7187	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7188	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7189	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7199	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7202	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R7203	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7204	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R7205	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	UB,UJ ,UN,U S
R7205	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	UW
R7205	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	UX
R7206	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7207	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7208	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7228	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7229	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	

⚠ Symbol No.	Part No.	Part Name	Description	Local
R7239	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R7240	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R7252	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R7260	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	
R7261	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R7262	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R7280	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7282	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7283	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R7289	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7300	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7301	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7302	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7320	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7321	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7330	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7331	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R7332	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R7333	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R7340	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R7341	NRSA63J-394X	MG RESISTOR	390kΩ 1/16W J	
R7342	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R7360	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7361	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7375	QRE141J-101Y	C RESISTOR	100Ω 1/4W J	
L2070	QQL231K-820Y	COIL	82uH K	
L2080	QQR0797-002	COIL		
L2090	QQR0797-002	COIL		
L2170	QQL231K-820Y	COIL	82uH K	
L2180	QQR0797-002	COIL		
L2190	QQR0797-002	COIL		
L2500	QQL231K-4R7Y	COIL	4.7uH K	
L2700	QQL231K-470Y	COIL	47uH K	
L2701	QQL231K-470Y	COIL	47uH K	
L7001	QQL231K-100Y	COIL	10uH K	
B7001	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
B7002	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
B7005	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
B7006	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
B7007	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
B7008	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
B7009	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
B7010	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
B7011	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
CN200	QGB2510J1-11	CONNECTOR	B-B (1-11)	
CN210	QGF1205C1-22	CONNECTOR	FFC/FPC (1-22)	
CN220	QGF1016F3-19	CONNECTOR	FFC/FPC (1-19)	
CN270	QGA2501C1-04	CONNECTOR	W-B (1-4)	
CN700	QGF1205C1-11	CONNECTOR	FFC/FPC (1-11)	
CN701	QGF1205F1-10	CONNECTOR	FFC/FPC (1-10)	
CN702	QGF1205F1-09	CONNECTOR	FFC/FPC (1-9)	
CN710	QGF1205C1-24	CONNECTOR	FFC/FPC (1-24)	
CN720	QGF1016F3-17	CONNECTOR	FFC/FPC (1-17)	
CN730	QGF1205C1-15	CONNECTOR	FFC/FPC (1-15)	
CN799	QGF1210G1-07	CONNECTOR	FFC/FPC (1-7)	
J200	QNN0420-001	SURROUND JACK		
J270	QNS0170-001	HEADPHONE JACK		
J280	QNB0172-001	SPK.TERMINAL		
J290	QNB0038-001	SPK.TERMINAL		
J700	QNS0089-001	3.5 JACK		
K2201	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K2202	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K2203	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K2204	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K2205	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K2206	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K2207	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K2500	QQR0621-001Z	COIL		
K2700	NQR0007-002X	FERRITE BEADS		
K7001	QQR0621-001Z	COIL		
K7300	QQR0621-001Z	COIL		
K7370	NQR0007-002X	FERRITE BEADS		
K7371	NQR0007-002X	FERRITE BEADS		
K7372	NQR0007-002X	FERRITE BEADS		
K7373	NQR0007-002X	FERRITE BEADS		
K7374	NQR0007-002X	FERRITE BEADS		

⚠ Symbol No.	Part No.	Part Name	Description	Local
K7375	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
PP12	QZW0038-001	WIRE CLAMP		
S700	QSW0454-001	SW		
X7001	QAX0718-001Z	CRYSTAL	8.000000MHz	

Video board

Block No. [0][2]

⚠ Symbol No.	Part No.	Part Name	Description	Local
IC300	KIA7805API	IC		
IC301	MM1623XF-X	IC		
IC601	HA17558AF-X	IC		
IC602	BU9253FS-X	IC		
Q3005	KRC111S-X	TRANSISTOR		
Q6001	2SC2412K/R/-X	TRANSISTOR		
Q6002	2SC2412K/R/-X	TRANSISTOR		
Q6003	DTC114TKA-X	TRANSISTOR		
Q6004	2SA1037K/R/-X	TRANSISTOR		
Q6005	DTC144EKA-X	DIGI TRANSISTOR		
D6001	1SS119-041-T2	DIODE		
D6002	1SS119-041-T2	DIODE		
D6003	MTZJ5.1B-T2	Z DIODE		
C3001	QFLC1HJ-103Z	M CAPACITOR	0.01uF 50V J	
C3002	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C3003	QFLC1HJ-103Z	M CAPACITOR	0.01uF 50V J	
C3004	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C3005	QCBB1HK-104Y	C CAPACITOR	0.1uF 50V K	
C3006	QETN1AM-477Z	E CAPACITOR	470uF 10V M	
C3007	QETN1CM-226Z	E CAPACITOR	22uF 16V M	
C3010	QCFB1HZ-105Y	C CAPACITOR	1uF 50V Z	
C3011	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C3012	QCFB1HZ-105Y	C CAPACITOR	1uF 50V Z	
C3013	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C3014	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M	
C3015	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M	
C3016	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M	
C3017	NCS31HJ-181X	C CAPACITOR	180pF 50V J	
C3018	NCS31HJ-181X	C CAPACITOR	180pF 50V J	
C3019	NCS31HJ-181X	C CAPACITOR	180pF 50V J	
C3020	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M	
C3021	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M	
C3022	NCS31HJ-181X	C CAPACITOR	180pF 50V J	
C3023	NCS31HJ-181X	C CAPACITOR	180pF 50V J	
C3024	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M	
C3025	NCS31HJ-181X	C CAPACITOR	180pF 50V J	
C3031	QCBB1HK-103Y	C CAPACITOR	0.01uF 50V K	
C6001	QETN1HM-474Z	E CAPACITOR	0.47uF 50V M	
C6002	NCS31HJ-470X	C CAPACITOR	47pF 50V J	
C6003	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C6004	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C6005	QETN1HM-335Z	E CAPACITOR	3.3uF 50V M	
C6006	QETN1CM-336Z	E CAPACITOR	33uF 16V M	
C6007	QETN1HM-335Z	E CAPACITOR	3.3uF 50V M	
C6008	QETN1HM-224Z	E CAPACITOR	0.22uF 50V M	
C6009	QETN1CM-226Z	E CAPACITOR	22uF 16V M	
C6010	QFVJ1HJ-104Z	MF CAPACITOR	0.1uF 50V J	
C6011	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C6012	NCS31HJ-101X	C CAPACITOR	100pF 50V J	
C6013	NCB31HK-333X	C CAPACITOR	0.033uF 50V K	
C6014	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C6015	QFLC1HJ-103Z	M CAPACITOR	0.01uF 50V J	
C6016	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C6017	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C6018	QETN1HM-226Z	E CAPACITOR	22uF 50V M	
C6019	NCB31HK-333X	C CAPACITOR	0.033uF 50V K	
C6020	NCB31HK-332X	C CAPACITOR	3300pF 50V K	
C6021	QFVJ1HJ-474Z	MF CAPACITOR	0.47uF 50V J	
C6022	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C6023	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C6024	QEKC1HM-225Z	E CAPACITOR	2.2uF 50V M	

⚠ Symbol No.	Part No.	Part Name	Description	Local
R3006	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R3007	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R3008	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R3009	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R3010	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R3011	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R3021	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R3022	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R3023	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
R3024	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R3025	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R3026	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R3027	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R3028	NRSA63J-910X	MG RESISTOR	91Ω 1/16W J	
R3029	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R3030	NRSA63J-910X	MG RESISTOR	91Ω 1/16W J	
R3031	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R6000	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6001	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R6002	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6003	NRSA63J-564X	MG RESISTOR	560kΩ 1/16W J	
R6004	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6005	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6006	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6007	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R6008	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6009	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R6010	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R6011	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6012	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6013	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R6014	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R6015	QRE141J-221Y	C RESISTOR	220Ω 1/4W J	
R6016	QRE141J-221Y	C RESISTOR	220Ω 1/4W J	
R6017	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R6018	NRSA63J-203X	MG RESISTOR	20kΩ 1/16W J	
R6019	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6020	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R6021	NRSA63J-203X	MG RESISTOR	20kΩ 1/16W J	
R6022	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R6023	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R6024	NRSA63J-204X	MG RESISTOR	200kΩ 1/16W J	
R6025	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R6026	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6027	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R6028	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R6029	NRSA63J-752X	MG RESISTOR	7.5kΩ 1/16W J	
R6030	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R6031	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6032	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
VR601	QVQ0306-B24	V RESISTOR		
B3000	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
B3200	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
B3201	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
CN300	QGF1205F1-24	CONNECTOR	FFC/FPC (1-24)	
CN301	QGA2501F1-02	CONNECTOR	W-B (1-2)	
CN302	QGF1205F1-04	CONNECTOR	FFC/FPC (1-4)	
CN601	QGF1205C1-04	CONNECTOR	FFC/FPC (1-4)	
J6001	QNS0170-001	HEADPHONE JACK		
JA301	QNZ0697-001	RGB CONNECTOR		
JA302	QNN0434-001	PIN JACK		
K6001	QQR0621-001Z	COIL		
K6002	QQR0621-001Z	COIL		
K6003	QQR0621-001Z	COIL		
PP300	QZW0038-001	WIRE CLAMP		

Power board

Block No. [0][3]

⚠ Symbol No.	Part No.	Part Name	Description	Local
⚠ IC411	LA4628	IC		

⚠ Symbol No.	Part No.	Part Name	Description	Local
⚠ IC421	LA4628	IC		
IC440	LB1641	IC		
IC750	NJU6433FG1	LCD DRIVER		
IC760	GP1UM261XK	IR DETECT UNIT	38kHz	
Q1001	KTC3199/GL/-T	TRANSISTOR		
Q1002	KTC1027/OY/-T	TRANSISTOR		
Q1003	2SD1266/P/	TRANSISTOR		UJ,UN,US,UW,UX
Q4121	2SC3576-JVC-T	TRANSISTOR		
Q4122	2SC3576-JVC-T	TRANSISTOR		
Q4123	KRA102M-T	DIGI TRANSISTOR		
Q4124	KRC102M-T	DIGI TRANSISTOR		
Q4131	KRA109M-T	DIGI TRANSISTOR		
Q4132	KRA109M-T	DIGI TRANSISTOR		
Q4133	KRA109M-T	DIGI TRANSISTOR		
Q4134	KRA109M-T	DIGI TRANSISTOR		
Q4135	KRC109M-T	DIGI TRANSISTOR		
Q4221	2SC3576-JVC-T	TRANSISTOR		
Q4222	2SC3576-JVC-T	TRANSISTOR		
Q4231	KRA109M-T	DIGI TRANSISTOR		
Q4232	KRA109M-T	DIGI TRANSISTOR		
Q4233	KRA109M-T	DIGI TRANSISTOR		
Q4234	KRA109M-T	DIGI TRANSISTOR		
Q4235	KRC109M-T	DIGI TRANSISTOR		
Q4301	KTC3199/GL/-T	TRANSISTOR		
Q4302	KTC3199/GL/-T	TRANSISTOR		
⚠ Q4303	KTA1046/Y/	TRANSISTOR		
Q7600	KRC111M-T	TRANSISTOR		
⚠ D1001	1N5401-TM	SI DIODE		
⚠ D1002	1N5401-TM	SI DIODE		
⚠ D1003	1N5401-TM	SI DIODE		
⚠ D1004	1N5401-TM	SI DIODE		
⚠ D1005	6A10E2	SI DIODE		
⚠ D1006	6A10E2	SI DIODE		
⚠ D1007	6A10E2	SI DIODE		
⚠ D1008	6A10E2	SI DIODE		
⚠ D1009	6A10E2	SI DIODE		
⚠ D1010	6A10E2	SI DIODE		
⚠ D1011	6A10E2	SI DIODE		
⚠ D1012	6A10E2	SI DIODE		
D1013	MTZJ6.2C-T2	Z DIODE		
D1014	1N4003S-T5	SI DIODE		
D1015	1SS119-041-T2	DIODE		
D1018	MTZJ11C-T2	Z DIODE		UJ,UN,US,UW,UX
⚠ D4001	2A02-M	DIODE		
D4002	1SS119-041-T2	DIODE		
D4301	MTZJ5.1C-T2	Z DIODE		
D4401	MTZJ5.6A-T2	Z DIODE		
D7500	SELU1E54CM-S	LED		
D7600	SELU2E10C-P	LED		
D7601	SPR-39MVWF	LED	RED-GREEN	
D7602	1SS119-041-T2	DIODE		
D7603	1SS119-041-T2	DIODE		
C1001	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
C1002	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
C1003	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
C1004	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
C1005	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
C1006	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
C1007	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
C1008	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
C1009	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
C1010	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
C1011	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
C1012	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
C1013	QDXB1CM-472Y	C CAPACITOR	4700pF 16V M	
C1014	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M	
C1015	QETM1EM-108	E CAPACITOR	1000uF 25V M	UB
C1015	QETN1JM-477Z	E CAPACITOR	470uF 63V M	UJ,UN,US,UW,UX
⚠ C1016	QCZ9105-472	C CAPACITOR	4700pF 250V M	
C1017	QFLC1HJ-472Z	M CAPACITOR	4700pF 50V J	UJ,UN,US,UW,UX
C4001	QETM1EM-478	E CAPACITOR	4700uF 25V M	
C4002	QETM1EM-478	E CAPACITOR	4700uF 25V M	
C4101	QETM1EM-828	E CAPACITOR	8200uF 25V M	
C4102	EETC1CM-107ZJC	E CAPACITOR		
C4103	QTE1V06-106Z	E CAPACITOR	10uF 35V	
C4107	QETN1CM-336Z	E CAPACITOR	33uF 16V M	
C4108	QTE1V06-106Z	E CAPACITOR	10uF 35V	
C4109	QFLC1HJ-223Z	M CAPACITOR	0.022uF 50V J	
C4110	QETN1HM-474Z	E CAPACITOR	0.47uF 50V M	
C4111	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
C4112	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
C4113	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
C4114	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
C4115	QETN1EM-107Z	E CAPACITOR	100uF 25V M	
C4117	QDGB1HK-102Y	C CAPACITOR	1000pF 50V K	
C4118	QDGB1HK-102Y	C CAPACITOR	1000pF 50V K	
C4121	QETN1AM-227Z	E CAPACITOR	220uF 10V M	
C4131	QENC1EM-106Z	BP E CAPACITOR	10uF 25V M	
C4132	QENC1EM-106Z	BP E CAPACITOR	10uF 25V M	
C4201	QETM1EM-828	E CAPACITOR	8200uF 25V M	
C4202	EETC1CM-107ZJC	E CAPACITOR		
C4203	QTE1H28-105Z	E CAPACITOR	1uF 50V	
C4207	QETN1CM-336Z	E CAPACITOR	33uF 16V M	
C4208	QTE1H28-105Z	E CAPACITOR	1uF 50V	
C4209	QFLC1HJ-223Z	M CAPACITOR	0.022uF 50V J	
C4210	QETN1HM-474Z	E CAPACITOR	0.47uF 50V M	
C4211	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
C4212	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
C4213	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
C4214	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
C4215	QETN1EM-107Z	E CAPACITOR	100uF 25V M	
C4217	QDGB1HK-102Y	C CAPACITOR	1000pF 50V K	
C4218	QDGB1HK-102Y	C CAPACITOR	1000pF 50V K	
C4231	QENC1EM-106Z	BP E CAPACITOR	10uF 25V M	
C4232	QENC1EM-106Z	BP E CAPACITOR	10uF 25V M	
C4301	QCBB1HK-103Y	C CAPACITOR	0.01uF 50V K	
C4302	QCBB1HK-221Y	C CAPACITOR	220pF 50V K	
C4401	QCFB1HZ-104Y	C CAPACITOR	0.1uF 50V Z	
C4402	QDYB1CM-103Y	C CAPACITOR	0.01uF 16V M	
C4403	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C4600	QDYB1CM-103Y	C CAPACITOR	0.01uF 16V M	
C7500	QEKC1AM-107Z	E CAPACITOR	100uF 10V M	
C7600	QDGB1HK-102Y	C CAPACITOR	1000pF 50V K	
C7601	QERF1CM-476Z	E CAPACITOR	47uF 16V M	
C7602	QDYB1CM-103Y	C CAPACITOR	0.01uF 16V M	
C7603	QDYB1CM-103Y	C CAPACITOR	0.01uF 16V M	
R1001	QRE141J-332Y	C RESISTOR	3.3kΩ 1/4W J	
R1002	QRE141J-821Y	C RESISTOR	820Ω 1/4W J	
⚠ R1004	QRZ9042-2R2X	F RESISTOR	2.2Ω	UJ,UN,US,UW,UX
R1005	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	UJ,UN,US,UW,UX
R1006	QRE141J-822Y	C RESISTOR	8.2kΩ 1/4W J	UJ,UN,US,UW,UX
R4101	QRE141J-333Y	C RESISTOR	33kΩ 1/4W J	
R4102	QRE141J-333Y	C RESISTOR	33kΩ 1/4W J	
R4103	QRE141J-2R2Y	C RESISTOR	2.2Ω 1/4W J	
R4104	QRE141J-2R2Y	C RESISTOR	2.2Ω 1/4W J	
R4105	QRE141J-2R2Y	C RESISTOR	2.2Ω 1/4W J	
R4106	QRE141J-2R2Y	C RESISTOR	2.2Ω 1/4W J	
R4107	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R4108	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R4121	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J	
R4122	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J	
R4123	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J	
R4124	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J	
R4131	QRE141J-433Y	C RESISTOR	43kΩ 1/4W J	
R4132	QRE141J-433Y	C RESISTOR	43kΩ 1/4W J	
R4133	QRE141J-433Y	C RESISTOR	43kΩ 1/4W J	
R4134	QRE141J-433Y	C RESISTOR	43kΩ 1/4W J	
R4201	QRE141J-333Y	C RESISTOR	33kΩ 1/4W J	
R4202	QRE141J-333Y	C RESISTOR	33kΩ 1/4W J	

⚠ Symbol No.	Part No.	Part Name	Description	Local
R4203	QRE141J-2R2Y	C RESISTOR	2.2Ω 1/4W J	
R4204	QRE141J-2R2Y	C RESISTOR	2.2Ω 1/4W J	
R4205	QRE141J-2R2Y	C RESISTOR	2.2Ω 1/4W J	
R4206	QRE141J-2R2Y	C RESISTOR	2.2Ω 1/4W J	
R4207	QRE141J-682Y	C RESISTOR	6.8kΩ 1/4W J	
R4208	QRE141J-682Y	C RESISTOR	6.8kΩ 1/4W J	
R4221	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J	
R4222	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J	
R4231	QRE141J-433Y	C RESISTOR	43kΩ 1/4W J	
R4232	QRE141J-433Y	C RESISTOR	43kΩ 1/4W J	
R4233	QRE141J-433Y	C RESISTOR	43kΩ 1/4W J	
R4234	QRE141J-433Y	C RESISTOR	43kΩ 1/4W J	
R4301	QRE141J-681Y	C RESISTOR	680Ω 1/4W J	
R4302	QRE141J-272Y	C RESISTOR	2.7kΩ 1/4W J	
R4303	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J	
R4304	QRE141J-681Y	C RESISTOR	680Ω 1/4W J	
R4305	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R4306	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R4307	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R7500	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R7501	QRE141J-134Y	C RESISTOR	130kΩ 1/4W J	
R7502	QRE141J-241Y	C RESISTOR	240Ω 1/4W J	
R7600	QRE141J-221Y	C RESISTOR	220Ω 1/4W J	
R7601	QRE141J-161Y	C RESISTOR	160Ω 1/4W J	
R7602	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R7603	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R7604	QRE141J-122Y	C RESISTOR	1.2kΩ 1/4W J	
R7605	QRE141J-182Y	C RESISTOR	1.8kΩ 1/4W J	
R7606	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J	
R7607	QRE141J-272Y	C RESISTOR	2.7kΩ 1/4W J	
R7609	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R7610	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R7611	QRE141J-122Y	C RESISTOR	1.2kΩ 1/4W J	
R7612	QRE141J-182Y	C RESISTOR	1.8kΩ 1/4W J	
R7613	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J	
R7614	QRE141J-272Y	C RESISTOR	2.7kΩ 1/4W J	
L4401	QQL244K-100Z	COIL	10uH K	
L4402	QQL244K-100Z	COIL	10uH K	
⚠ T1002	QQT0253-002	POWER TRANSF		UB
⚠ T1002	QQT0370-011	POWER TRANSF		UJ,UN,US,UW,UX
⚠ CN101	QGA7901C1-02	CONNECTOR	W-B (1-2)	
⚠ CN102	QGA7901C1-02	CONNECTOR	W-B (1-2)	UB
⚠ CN102	QGA7901C1-03	CONNECTOR	W-B (1-3)	UJ,UN,US,UW,UX
CN103	QGA3901C1-07	CONNECTOR	W-B (1-7)	
CN104	QGB2510J1-10	CONNECTOR	B-B (1-10)	
⚠ CN105	QGA7901C1-04	CONNECTOR	W-B (1-4)	UJ,UN,US,UW,UX
CN401	QGB2510K2-11	CONNECTOR	B-B (1-11)	
CN402	QGF1205C1-22	CONNECTOR	FFC/FPC (1-22)	
CN403	QGB2510K2-10	CONNECTOR	B-B (1-10)	
CN404	QGF1016F3-05	CONNECTOR	FFC/FPC (1-5)	
CN750	QGF1205F1-15	CONNECTOR	FFC/FPC (1-15)	
CN751	QGF1205F1-10	CONNECTOR	FFC/FPC (1-10)	
CN760	QGF1205F1-10	CONNECTOR	FFC/FPC (1-10)	
JS760	QSW1060-001	ROTARY SW		
⚠ RY101	QSK0124-001	RELAY		
⚠ S1001	QSW0812-001	VOLTAGE SWITCH		UJ,UN,US,UW,UX
S7600	QSW0825-001Z	TACT SW		
S7601	QSW0825-001Z	TACT SW		
S7602	QSW0825-001Z	TACT SW		
S7603	QSW0825-001Z	TACT SW		
S7604	QSW0825-001Z	TACT SW		
S7605	QSW0825-001Z	TACT SW		
S7606	QSW0825-001Z	TACT SW		
S7607	QSW0825-001Z	TACT SW		
S7608	QSW0825-001Z	TACT SW		
S7609	QSW0825-001Z	TACT SW		
S7610	QSW0825-001Z	TACT SW		
S7611	QSW0825-001Z	TACT SW		
Z1001	QNG0003-001Z	FUSE CLIP		
Z1002	QNG0003-001Z	FUSE CLIP		
Z1003	QNG0003-001Z	FUSE CLIP		UJ,UN,US,UW,UX
Z1004	QNG0003-001Z	FUSE CLIP		UJ,UN,US,UW,UX
Z1005	QNG0003-001Z	FUSE CLIP		
Z1006	QNG0003-001Z	FUSE CLIP		
Z1007	QNG0003-001Z	FUSE CLIP		
Z1008	QNG0003-001Z	FUSE CLIP		
Z1009	QNG0003-001Z	FUSE CLIP		
Z1010	QNG0003-001Z	FUSE CLIP		
Z1011	QNG0003-001Z	FUSE CLIP		
Z1012	QNG0003-001Z	FUSE CLIP		

DVD loading switch board

Block No. [0][4]

⚠ Symbol No.	Part No.	Part Name	Description	Local
CN1	QGF1016F3-05	CONNECTOR	FFC/FPC (1-5)	
S1	QSW1007-001	DETECT SWITCH		

DVD servo board

Block No. [0][5]

⚠ Symbol No.	Part No.	Part Name	Description	Local
IC201	LA6502-X	IC		
IC301	MN2DS0003AA-H	IC		
IC302	LM1117MP-ADJ-X	IC		
IC453	S-80827CNNB-W	IC		
IC505	K4S641632F-TC75	IC(DIGITAL)		
IC505 or	K4S641632H-TC75	IC(DIGITAL)		
IC505 or	HY57V641620HGT7	IC		
IC509	AT49LV1614T90TC	IC (FLASH)		
IC701	AK4384VT-X	IC		
Q101	KTA1001/Y/-X	TRANSISTOR		
Q101 or	2SB1424/R/-W	TRANSISTOR		
Q102	2SC4617/R/-X	TRANSISTOR		
Q103	KTA1001/Y/-X	TRANSISTOR		
Q103 or	2SB1424/R/-W	TRANSISTOR		
Q104	2SC4617/R/-X	TRANSISTOR		
Q105	UN2119-X	TRANSISTOR		
C101	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C102	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C103	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C104	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C105	NEA70JM-476X	E CAPACITOR	47uF 6.3V M	
C106	NEA70JM-476X	E CAPACITOR	47uF 6.3V M	
C107	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C108	NEA70JM-476X	E CAPACITOR	47uF 6.3V M	
C111	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C204	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C205	NCB31HK-271X	C CAPACITOR	270pF 50V K	
C206	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
C208	NCB31HK-561X	C CAPACITOR	560pF 50V K	
C211	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C212	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	
C217	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C251	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C253	NCB31HK-561X	C CAPACITOR	560pF 50V K	
C255	NCB31CK-153X	C CAPACITOR	0.015uF 16V K	
C256	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C257	NCB31HK-822X	C CAPACITOR	8200pF 50V K	
C258	NCB31CK-153X	C CAPACITOR	0.015uF 16V K	
C259	NCB31CK-153X	C CAPACITOR	0.015uF 16V K	
C260	NCB31EK-223X	C CAPACITOR	0.022uF 25V K	

⚠ Symbol No.	Part No.	Part Name	Description	Local
C261	NCB31EK-223X	C CAPACITOR	0.022uF 25V K	
C262	NCB31EK-223X	C CAPACITOR	0.022uF 25V K	
C301	NEA70GM-227X	E CAPACITOR	220uF 4V M	
C302	NEA70GM-476X	E CAPACITOR	47uF 4V M	
C303	NEA70GM-476X	E CAPACITOR	47uF 4V M	
C304	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C305	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C306	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C307	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C308	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C309	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C310	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C311	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C312	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C313	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C314	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C315	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C316	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C317	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C318	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C319	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C320	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C321	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C322	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C323	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C324	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C325	NDC31HJ-180X	C CAPACITOR	18pF 50V J	
C326	NDC31HJ-150X	C CAPACITOR	15pF 50V J	
C327	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C330	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C331	NCB31CK-333X	C CAPACITOR	0.033uF 16V K	
C332	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C333	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C334	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C335	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C337	NCB31CK-183X	C CAPACITOR	0.018uF 16V K	
C338	NCB31HK-562X	C CAPACITOR	5600pF 50V K	
C339	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C340	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C341	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C347	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C348	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C349	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C350	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C356	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C359	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C371	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C391	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C455	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	
C551	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C552	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C553	NBE20JM-226X	TA E CAPACITOR	22uF 6.3V M	
C554	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C555	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C556	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C557	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C558	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C559	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C701	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C704	NEA70JM-227X	E CAPACITOR	220uF 6.3V M	
C706	NEA71CM-106X	E CAPACITOR	10uF 16V M	
C707	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C721	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C902	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C903	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C904	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C906	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
R101	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R102	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R103	NRSA63J-243X	MG RESISTOR	24kΩ 1/16W J	
R104	NRSA63J-303X	MG RESISTOR	30kΩ 1/16W J	
R105	NRS125J-270X	MG RESISTOR	27Ω 1/2W J	
R106	NRSA63J-2R2X	MG RESISTOR	2.2Ω 1/16W J	
R107	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R108	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R109	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R110	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R111	NRSA63J-243X	MG RESISTOR	24kΩ 1/16W J	
R112	NRSA63J-303X	MG RESISTOR	30kΩ 1/16W J	
R113	NRS125J-270X	MG RESISTOR	27Ω 1/2W J	
R114	NRSA63J-2R2X	MG RESISTOR	2.2Ω 1/16W J	
R115	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R116	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R117	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R118	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R119	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R120	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R122	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R123	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R125	NRS125J-1R0X	MG RESISTOR	1Ω 1/2W J	
R126	NRSA02J-181X	MG RESISTOR	180Ω 1/10W J	
R128	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R204	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R205	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R206	NRSA63J-303X	MG RESISTOR	30kΩ 1/16W J	
R207	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R208	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R213	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R214	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R215	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R219	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R220	NRSA63J-243X	MG RESISTOR	24kΩ 1/16W J	
R221	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R251	NRS125J-R47X	MG RESISTOR	0.47Ω 1/2W J	
R252	NRSA63J-2R2X	MG RESISTOR	2.2Ω 1/16W J	
R254	NRSA63J-203X	MG RESISTOR	20kΩ 1/16W J	
R255	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R257	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R259	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R302	NRSA63J-240X	MG RESISTOR	24Ω 1/16W J	
R303	NRSA63J-270X	MG RESISTOR	27Ω 1/16W J	
R306	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R307	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R308	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R309	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R310	NRS125J-R47X	MG RESISTOR	0.47Ω 1/2W J	
R312	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R313	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R314	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R315	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R316	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R317	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R318	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R319	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R320	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R322	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R323	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R325	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R326	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R333	NRSA63J-163X	MG RESISTOR	16kΩ 1/16W J	
R334	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R335	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R336	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R337	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R338	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R339	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R340	NRSA63D-303X	MG RESISTOR	30kΩ 1/16W D	
R341	NRSA63D-362X	MG RESISTOR	3.6kΩ 1/16W D	
R342	NRSA63D-222X	MG RESISTOR	2.2kΩ 1/16W D	
R343	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R345	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R351	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R352	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R357	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R358	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R361	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R362	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R363	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R372	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R373	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R378	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R379	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R384	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R385	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R390	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	

⚠ Symbol No.	Part No.	Part Name	Description	Local
R391	NAD0025-103X	N THERMISTOR	10kΩ	
R392	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R393	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R394	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R395	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R457	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R458	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R501	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R502	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R510	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R551	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R553	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R554	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R555	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R556	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R557	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R558	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R701	NRSA63J-1R0X	MG RESISTOR	1Ω 1/16W J	
R702	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R710	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R711	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R712	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R713	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R716	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R718	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R719	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R723	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R724	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R725	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R727	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R728	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R909	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R911	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L501	NQL044K-100X	COIL	0.20Ω 10uH K	
CN101	QGF0523F1-24W	CONNECTOR	FFC/FPC (1-24)	
CN201	QGF1016F2-08W	CONNECTOR	FFC/FPC (1-8)	
CN501	QGF1016F2-19W	CONNECTOR	FFC/FPC (1-19)	
CN502	QGF1016F2-08W	CONNECTOR	FFC/FPC (1-8)	
CN503	QGF1016F2-17W	CONNECTOR	FFC/FPC (1-17)	
K101	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K102	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K301	NQR0354-001X	FERRITE BEADS		
K302	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
K303	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
K551	NQR0129-002X	FERRITE BEADS		
K552	NQR0129-002X	FERRITE BEADS		
K553	NQR0129-002X	FERRITE BEADS		
K554	NQR0129-002X	FERRITE BEADS		
K555	NQR0022-005X	FERRITE BEADS		
K556	NQR0129-002X	FERRITE BEADS		
K721	NQR0251-004X	FERRITE BEADS		
K722	NQR0251-004X	FERRITE BEADS		
K723	NQR0251-004X	FERRITE BEADS		
X351	NAX0550-001X	CRYSTAL	27.000MHz	

Cassette switch board

Block No. [0][6]

⚠ Symbol No.	Part No.	Part Name	Description	Local
IC1	SG-105F3-BB,C	PHOTO SENSER		
D1	1SR139-400-T2	SI DIODE		
R371	QRE141J-123Y	C RESISTOR	12kΩ 1/4W J	
VR37	QVP0077-103Z	TRIM RESISTOR	10kΩ	
CN1	QGF1205F1-09	CONNECTOR	FFC/FPC (1-9)	
FW100	QUM024-07A2Z3	PARA RIBON WIRE		
P1	QNZ0104-001	POST PIN		
SW1	QSW0832-001	CASS.SWITCH		
SW2	QSW0832-001	CASS.SWITCH		
SW5	QSW0832-001	CASS.SWITCH		
SW6	QSW0859-001	DETECT SWITCH		

Head amplifier board

Block No. [0][7]

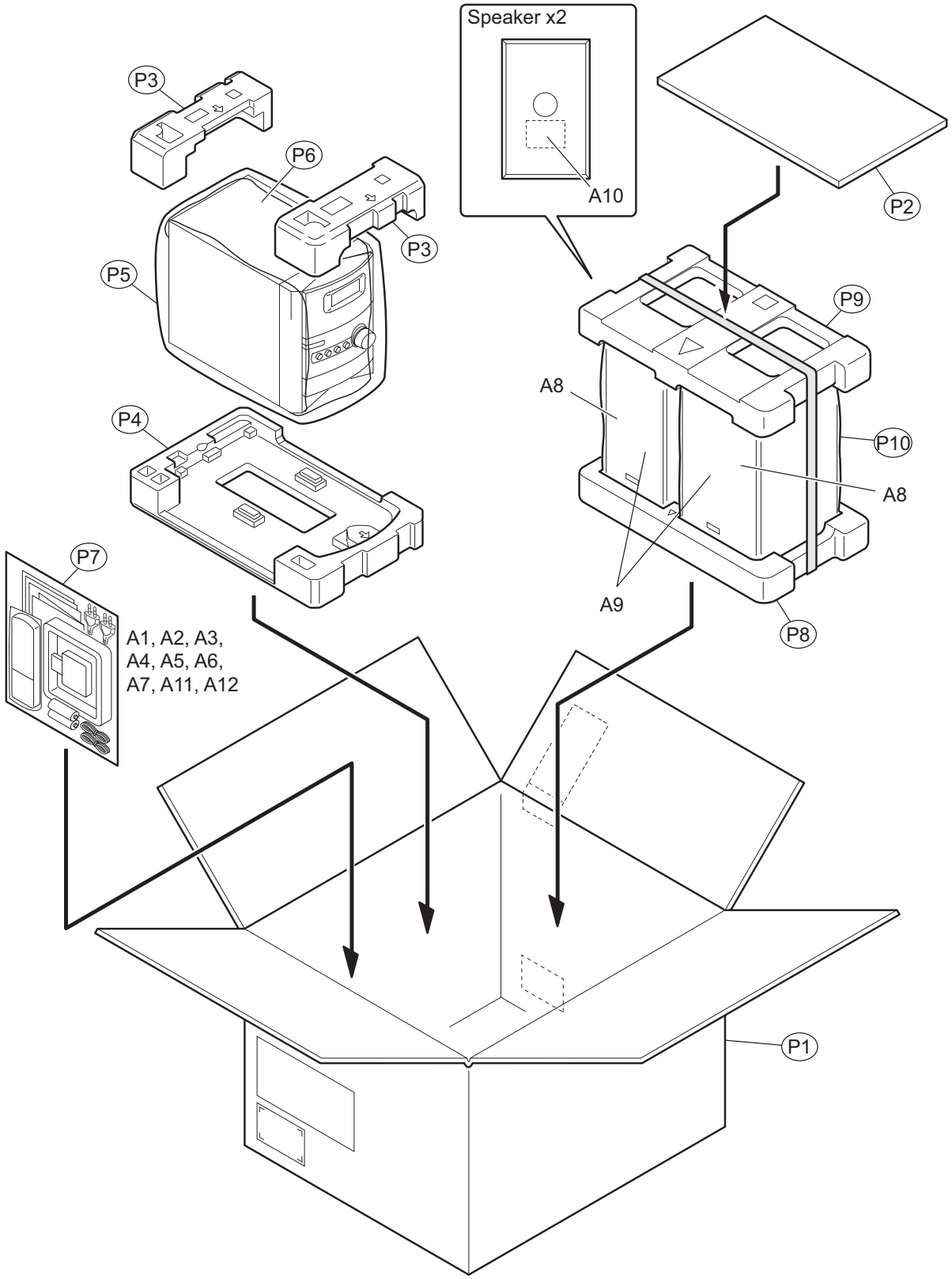
⚠ Symbol No.	Part No.	Part Name	Description	Local
IC32	HA12238F	IC	R/P Equalizer	
IC33	CD4094BC	IC	Serial to parallel port extension	
Q302	2SC2001/K/-T	TRANSISTOR		
Q305	2SC2001/K/-T	TRANSISTOR		
Q342	KRA111M-T	DIGI TRANSISTOR		
Q343	2SC3576-JVC-T	TRANSISTOR		
Q344	2SC3576-JVC-T	TRANSISTOR		
Q345	2SC3576-JVC-T	TRANSISTOR		
Q346	2SC3576-JVC-T	TRANSISTOR		
Q347	KRC107M-T	DIGI TRANSISTOR		
Q371	KTA1271/OY/-T	TRANSISTOR		
Q372	KRC107M-T	DIGI TRANSISTOR		
Q375	2SB562/C/-T	TRANSISTOR		
Q376	KTC3199/GL/-T	TRANSISTOR		
D340	MTZJ5.1B-T2	Z DIODE		
D375	MTZJ5.1B-T2	Z DIODE		
C101	QDGB1HK-821Y	C CAPACITOR	820pF 50V K	
C102	QDYB1CM-103Y	C CAPACITOR	0.01uF 16V M	
C103	QFLA1HJ-104Z	M CAPACITOR	0.1uF 50V J	
C104	QCBB1HK-221Y	C CAPACITOR	220pF 50V K	
C105	QCBB1HK-391Y	C CAPACITOR	390pF 50V K	
C106	QERF1HM-225Z	E CAPACITOR	2.2uF 50V M	
C107	QCBB1HK-271Y	C CAPACITOR	270pF 50V K	
C109	QEKJ1EM-475Z	E CAPACITOR	4.7uF 25V M	
C110	QDYB1CM-682Y	C CAPACITOR	6800pF 16V M	
C113	QFLA1HJ-104Z	M CAPACITOR	0.1uF 50V J	
C120	QCSB1HK-4R7Y	C CAPACITOR	4.7pF 50V K	
C121	QCBB1HK-331Y	C CAPACITOR	330pF 50V K	
C201	QDGB1HK-821Y	C CAPACITOR	820pF 50V K	
C202	QDYB1CM-103Y	C CAPACITOR	0.01uF 16V M	
C203	QFLA1HJ-104Z	M CAPACITOR	0.1uF 50V J	
C204	QCBB1HK-221Y	C CAPACITOR	220pF 50V K	
C205	QCBB1HK-391Y	C CAPACITOR	390pF 50V K	
C206	QERF1HM-225Z	E CAPACITOR	2.2uF 50V M	
C207	QCBB1HK-271Y	C CAPACITOR	270pF 50V K	
C209	QEKJ1EM-475Z	E CAPACITOR	4.7uF 25V M	
C210	QDYB1CM-682Y	C CAPACITOR	6800pF 16V M	
C213	QFLA1HJ-104Z	M CAPACITOR	0.1uF 50V J	
C220	QCSB1HK-4R7Y	C CAPACITOR	4.7pF 50V K	
C221	QCBB1HK-331Y	C CAPACITOR	330pF 50V K	
C300	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C301	QEKJ1AM-107Z	E CAPACITOR	100uF 10V M	
C304	QEKJ1CM-106Z	E CAPACITOR	10uF 16V M	
C306	FQETJ1AM-227Z	E CAPACITOR		
C307	QDGB1HK-102Y	C CAPACITOR	1000pF 50V K	
C308	QDXB1CM-152Y	C CAPACITOR	1500pF 16V M	
C310	QCBB1HK-223Y	C CAPACITOR	0.022uF 50V K	
C313	QEKJ1AM-107Z	E CAPACITOR	100uF 10V M	
C314	QCFB1HZ-105Y	C CAPACITOR	1uF 50V Z	
C316	QFG32AJ-223Z	PP CAPACITOR	0.022uF 100V J	
C319	QFLC1HJ-472Z	M CAPACITOR	4700pF 50V J	
C331	QEKJ1CM-476Z	E CAPACITOR	47uF 16V M	
C340	QEKJ1CM-476Z	E CAPACITOR	47uF 16V M	
C341	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C342	QEKJ1CM-476Z	E CAPACITOR	47uF 16V M	
C371	QEKJ1EM-475Z	E CAPACITOR	4.7uF 25V M	
C374	QEKJ1AM-107Z	E CAPACITOR	100uF 10V M	
C376	QDYB1CM-103Y	C CAPACITOR	0.01uF 16V M	
R101	QRE141J-512Y	C RESISTOR	5.1kΩ 1/4W J	
R102	QRE141J-512Y	C RESISTOR	5.1kΩ 1/4W J	
R104	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J	

⚠ Symbol No.	Part No.	Part Name	Description	Local
R105	QRE141J-104Y	C RESISTOR	100kΩ 1/4W J	
R106	QRE141J-113Y	C RESISTOR	11kΩ 1/4W J	
R107	QRE141J-912Y	C RESISTOR	9.1kΩ 1/4W J	
R108	QRE141J-273Y	C RESISTOR	27kΩ 1/4W J	
R110	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R116	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R121	QRE141J-153Y	C RESISTOR	15kΩ 1/4W J	
R201	QRE141J-512Y	C RESISTOR	5.1kΩ 1/4W J	
R202	QRE141J-512Y	C RESISTOR	5.1kΩ 1/4W J	
R204	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J	
R205	QRE141J-104Y	C RESISTOR	100kΩ 1/4W J	
R206	QRE141J-113Y	C RESISTOR	11kΩ 1/4W J	
R207	QRE141J-912Y	C RESISTOR	9.1kΩ 1/4W J	
R208	QRE141J-273Y	C RESISTOR	27kΩ 1/4W J	
R210	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R216	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R221	QRE141J-153Y	C RESISTOR	15kΩ 1/4W J	
R301	QRE141J-221Y	C RESISTOR	220Ω 1/4W J	
R302	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J	
R303	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J	
⚠ R304	QRJ146J-101X	UNF C RESISTOR	100Ω 1/4W J	
R305	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R306	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J	
⚠ R310	QRJ146J-4R7X	UNF C RESISTOR	4.7Ω 1/4W J	
R313	QRE141J-2R2Y	C RESISTOR	2.2Ω 1/4W J	
R314	QRE141J-153Y	C RESISTOR	15kΩ 1/4W J	
R315	QRE141J-101Y	C RESISTOR	100Ω 1/4W J	
R327	QRE141J-474Y	C RESISTOR	470kΩ 1/4W J	
R335	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J	
R336	QRE141J-223Y	C RESISTOR	22kΩ 1/4W J	
R337	QRE141J-332Y	C RESISTOR	3.3kΩ 1/4W J	
R338	QRE141J-392Y	C RESISTOR	3.9kΩ 1/4W J	
R339	QRE141J-104Y	C RESISTOR	100kΩ 1/4W J	
R340	QRE141J-681Y	C RESISTOR	680Ω 1/4W J	
R341	QRE141J-123Y	C RESISTOR	12kΩ 1/4W J	
R342	QRE141J-243Y	C RESISTOR	24kΩ 1/4W J	
R343	QRE141J-183Y	C RESISTOR	18kΩ 1/4W J	
R344	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J	
R345	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J	
R346	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J	
R347	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
⚠ R353	QRZ9005-100X	FUSI RESISTOR	10Ω	
R372	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R375	QRE141J-151Y	C RESISTOR	150Ω 1/4W J	
R376	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J	
VR31	QVP0008-203Z	TRIM RESISTOR	20kΩ	
L301	QQR1118-002	OSC COIL(BIAS)		
L303	QQL244K-100Z	COIL	10uH K	
CN31	QGF1205F1-06	CONNECTOR	FFC/FPC (1-6)	
CN32	QGF1205F1-09	CONNECTOR	FFC/FPC (1-9)	
CN33	QGF1205F1-09	CONNECTOR	FFC/FPC (1-9)	
CN34	QGF1201F3-10	CONNECTOR	FFC/FPC (1-10)	
H32	GV40397-002A	IC HOLDER		

<MEMO>

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	QAL0014-001	AM LOOP ANT		
	A 2	QAL0457-001	ANT.WIRE		
	A 3	GVT0130-013A	INST BOOK	ENG CHI(PEKIN)	UB
	A 3	GVT0130-015A	INST BOOK	ENG	UJ
	A 3	GVT0130-008A	INST BOOK	ENG CHI(PEKIN)	UN,US
	A 3	GVT0130-002A	INST BOOK	ENG SPA POR	UW
	A 3	GVT0130-009A	INST BOOK	ENG ARA PER	UX
	A 4	RM-SUXP550U	REMOCON		
	A 5	----------	BATTERY	(x2)	
	A 6	QAM0216-001	SIGNAL CORD		
⚠	A 7	QAM0112-002	PLUG ADAPTOR		UJ,UN,US,UW
	A 8	UXP550E-SPBOX	SPEAKER BOX	(x2)	
	A 9	9910007701	NET ASSY	(x2)	
	A 10	6000206201	RATING LABEL	(x2)	
⚠	A 11	VMZ0139-001	CONTHI PLUG		UX
	A 12	GV30024-041A	UB SHEET		UB
	P 1	GV20264-007A	CARTON ASSY.		UJ
	P 1	GV20264-003A	CARTON ASSY.		UB,UN,US
	P 1	GV20264-005A	CARTON SSY		UW
	P 1	GV20264-004A	CARTON ASSY		UX
	P 2	GV40237-005A	CARTON SPACER		
	P 3	GV10196-001A	CUSHION(FRONT)		
	P 4	GV10197-001A	CUSHION(REAR)		
	P 5	QPC05006515P	POLY BAG	50cm x 65cm	
	P 6	GV40168-009A	MIRAMA SHEET		
	P 7	QPC02503515P	POLY BAG	25cm x 35cm	
	P 8	8000055311	BOTTOM CUSHION		
	P 9	8000055301	TOP CUSHION		
	P 10	8500041601	POLY BAG	(x2)	