JVC

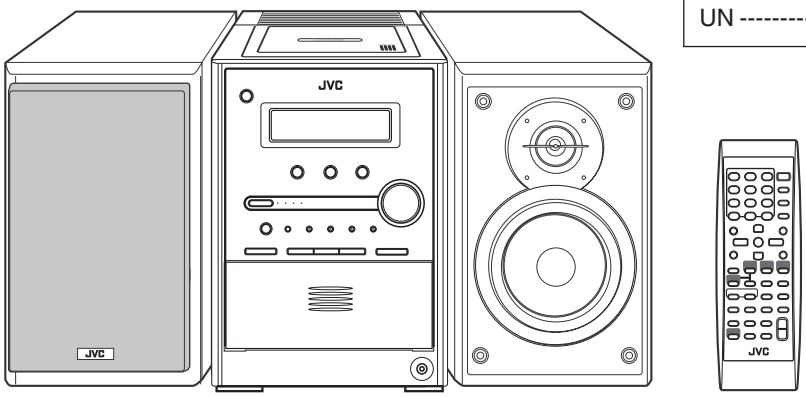
SERVICE MANUAL

COMPACT COMPONENT SYSTEM

UX-S77

Area suffix

A ---------- Australia
US ---------- Singapore
UW ---------- Brazil,Mexico,Peru
UX ---------- Saudi Arabia
UJ ---------- U.S.Military
UN ---------- Asean



(SP-UXS77) (CA-UXS77) (SP-UXS77)

(Except US/UN)

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No.MB230
2004/5

SPECIFICATION

Amplifier section	Output Power	HIGH	40 W (20 W+ 20 W) at 4 Ω (10% THD) 50 W (25 W+ 25 W) at 4 Ω (10% MAX)
		LOW	40 W (20 W+ 20 W) at 4 Ω (10% THD) 50 W (25 W+ 25 W) at 4 Ω (10% MAX)
	Analog input	AUX	Sensitivity/Impedance (at 1 kHz)
			400 mV/47 k Ω (at "AUX LEVEL 1")
			200 mV/47 k Ω (at "AUX LEVEL 2")
	Digital output	DVD OPTICAL DIGITAL OUT	-21 dBm to -15 dBm (660 nm ±30 nm)
	VIDEO OUT	Color system	NTSC
		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
		Speaker Terminals	4 Ω - 16 Ω
	Others	AV COMPU LINK × 2 (Ø3.5)	
Tuner section	FM tuning range	87.5 MHz - 108.0 MHz	
	AM tuning range	531 kHz - 1 710 kHz (at 9 kHz) 530 kHz - 1 710 kHz (at 10 kHz)	
Disc player section	Playable disc	DVD Video/DVD Audio/CD/VCD/SVCD CD-R/CD-RW (recorded in Audio CD/Video CD/ Super Video CD/ MP3/ WMA/JPEG format) DVD-R/DVD-RW (recorded in video format)	
	Dynamic range	90 dB	
	Horizontal resolution	500 lines	
	Wow and flutter	Immeasurable	
	MP3 recording format	MPEG 1/2 Audio Layer 3	
	Max. Bit rate	320 kbps	
Cassette deck section	Frequency response	Normal (type I): 50 Hz - 14 000 Hz	
	Wow and flutter	0.15% (WRMS)	
General	Power requirement	AC 110 V / AC 127 V / AC 220 V - AC 230 V, (adjustable with the voltage selector), 50 Hz/60 Hz	
	Power consumption	90 W (at operation)	
		12 W (on standby)	
		5.3 W (with deactivating the clock indication)	
	Dimensions (approx.)	175 mm × 237 mm × 375 mm (W/H/D)	
	Mass (approx.)	7.5 kg	
Speakers	Type	2-Way Bass-reflex type	
	Speaker Systems	Woofer: 10 cm cone × 1	
	Power handling capacity	Tweeter: 4 cm cone × 1	
		HIGH: 20 W	
		LOW: 20 W	
	Impedance	HIGH: 4 Ω	
		LOW: 4 Ω	
	Frequency range	56 Hz - 40 000 Hz	
	Sound pressure level	84 dB/W·m	
	Dimensions (approx.)	145 mm × 236 mm × 205 mm (W/H/D)	
	Mass (approx.)	2.3 kg each	

Design 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.

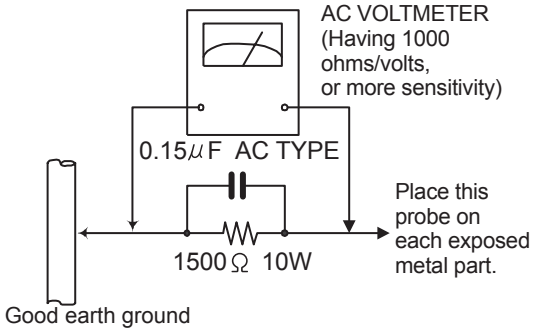
(2) Alterations of the design or circuitry of the product should not be made. Any design alterations of the product should not be made. Any design alterations or additions will void the manufacturers warranty and will further relieve the manufacture of responsibility for personal injury or property damage 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

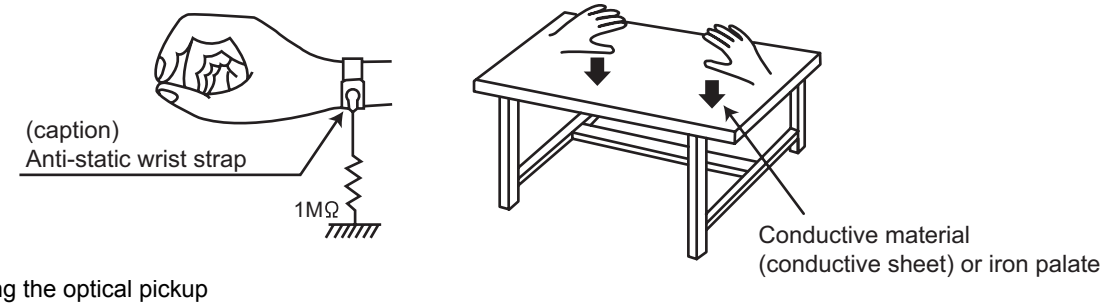
Electrostatic discharge (ESD), which occurs when static electricity stored in the body, fabric, etc. is discharged, can destroy the laser diode in the traverse unit (optical pickup). Take care to prevent this when performing repairs.

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.

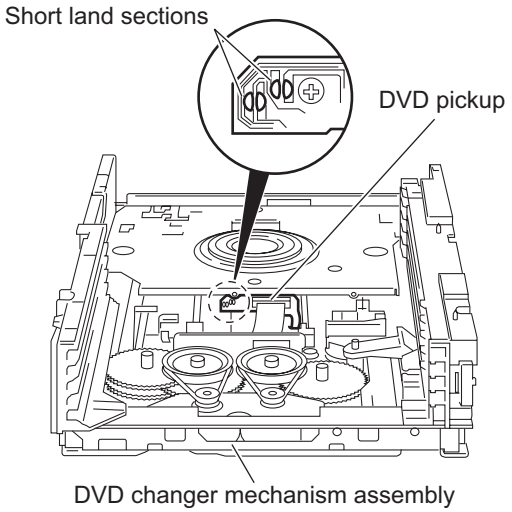
1.6 Handling the traverse unit (optical pickup)

(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.

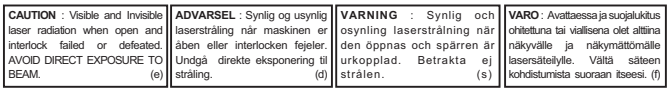
ADVARSEL : Synlig og usynlig laserstråling når maskinen er åben eller interlocken fejler. Undgå direkte eksponering til stråling.

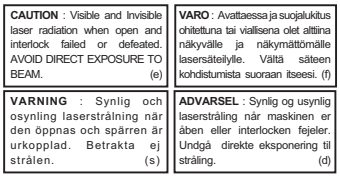
VARNING : Synlig och osynlig laserstråling när den öppnas och spärren är urkopplad. Betrakta ej strålen.

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 both sides of the main body, remove the four screws **A** attaching the side panels L/R. (See Figs.1 and 2)
(2) From the back side of the main body, remove the two screws **B** and two screws **C** attaching the side panels L/R to the rear cover and top cover. (See Fig.3)
(3) From the bottom side of the main body, remove the two screws **D** attaching the side panels L/R. (See Fig.4)
(4) Release the claws **a** of the side panels L/R in the direction of the arrow and remove the side panels L/R from the main body. (See Figs.1 and 2)

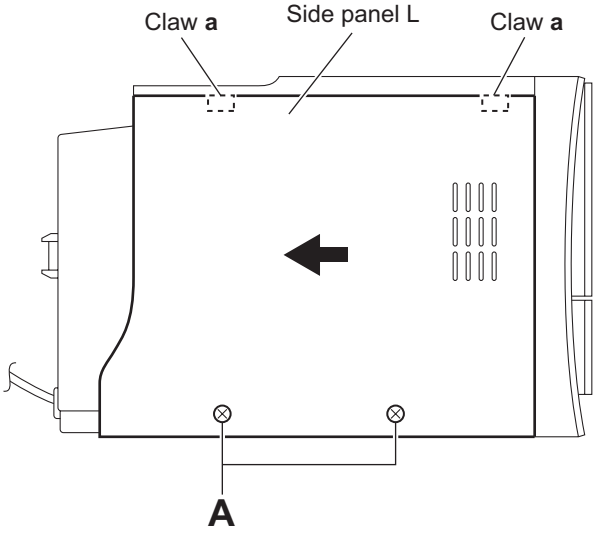


Fig.1

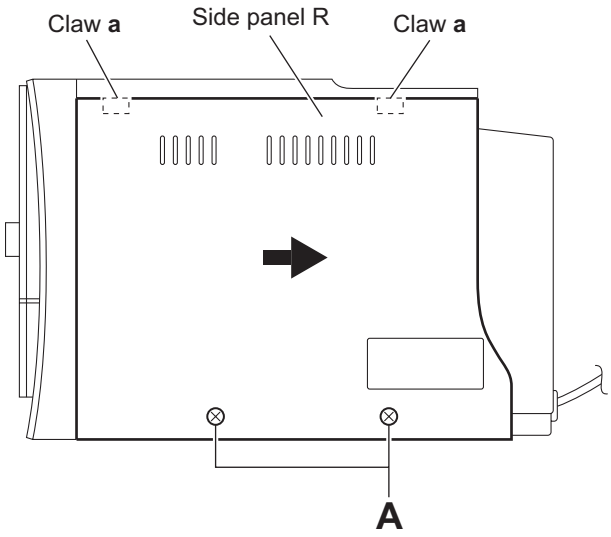


Fig.2

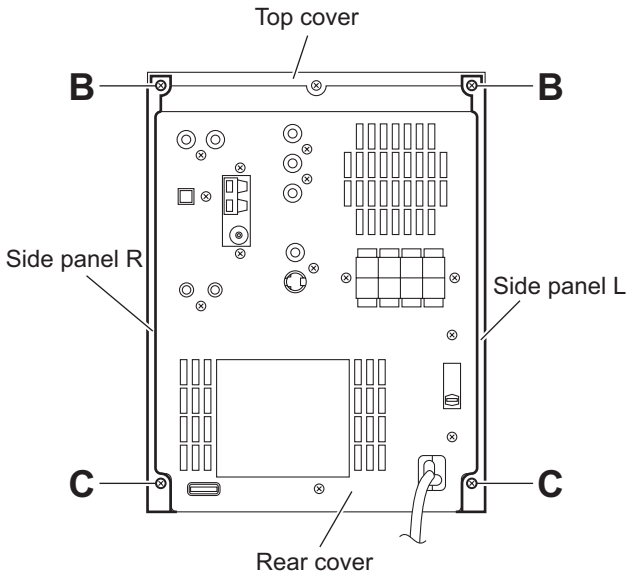


Fig.3

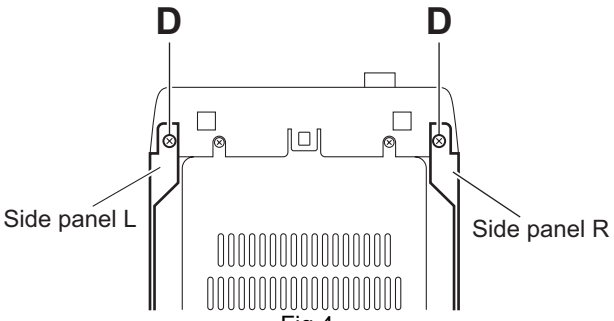


Fig.4

3.1.2 Removing the top cover (See Figs.5 to 7)

- Prior to performing the following procedure, remove the side panels L/R.
  (1) From the back side of the main body, remove the screw **E** attaching the top cover to the rear cover. (See Fig.5)
  (2) From the right side of the main body, disconnect the card wires from the connectors CN790 and CN791 on the main board. (See Fig.6)
  (3) From the both sides of the main body, remove the two screws **F** attaching the top cover to the front panel assembly. (See Fig.7)
  (4) Release the claws **b** and remove the top cover from the main body in the direction of the arrow. (See Fig.7)

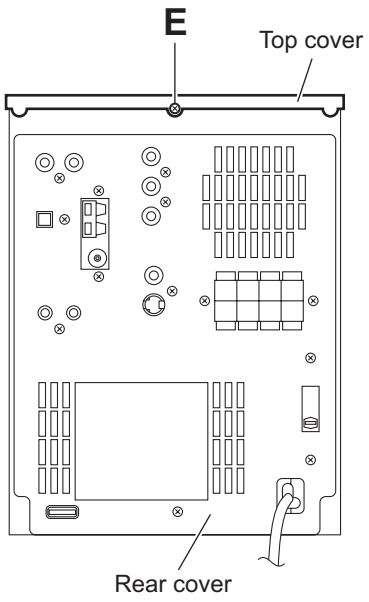


Fig.5

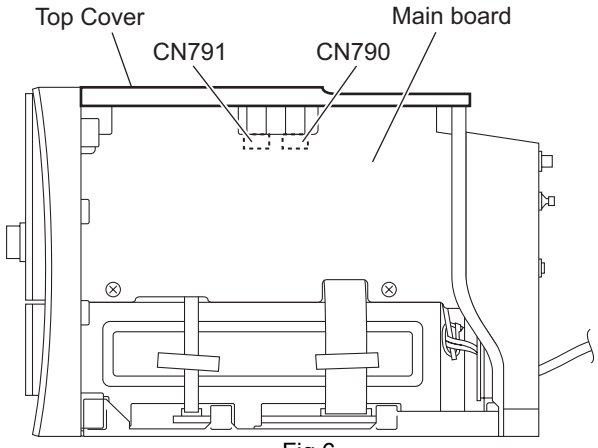


Fig.6

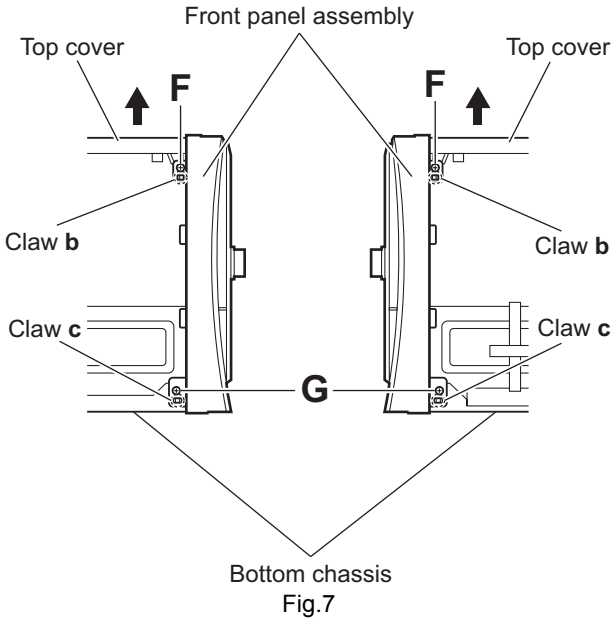


Fig.7

3.1.3 Removing the front panel assembly (See Figs.7 to 10)

- Prior to performing the following procedures, remove the side panels L/R and top cover.
  (1) From the both sides of the main body, remove the two screws **G** attaching the front panel assembly to the bottom chassis. (See Fig.7)
  (2) From the top side of the main body, remove the screw **H** attaching the earth wire on the shield case. (See Fig.8)

  Reference:

  When attaching the screw **H**, attach the earth wire with it. (See Fig.8)
  (3) From the left side of the main body, disconnect the card wire from the connector CN700 on the main board. (See Fig.9)
  (4) Disconnect the wire from the connector CN767 on the main board. (See Fig.9)
  (5) From the both and bottom sides of the main body, release the claws **c** and **d** attaching the front panel assembly. (See Figs.7 and 10)
  (6) Remove the front panel assembly from the main body in the direction of the arrow. (See Fig.10)

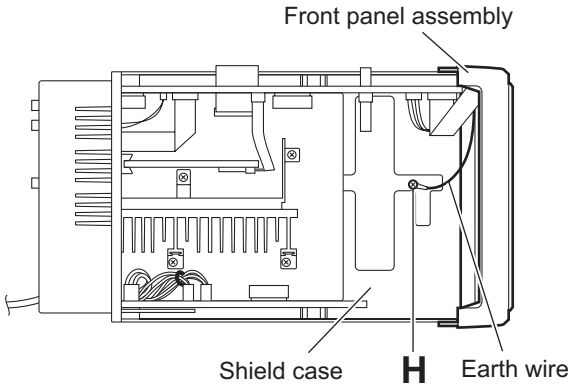


Fig.8

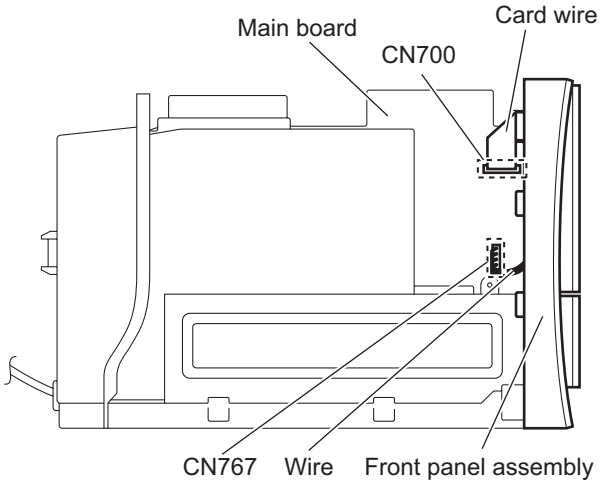


Fig.9

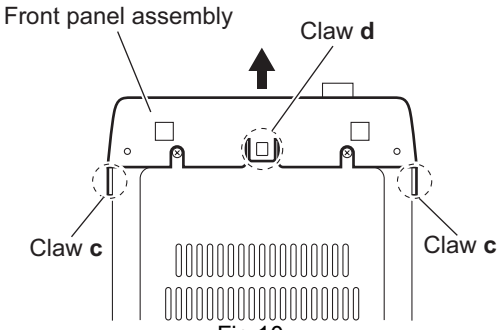


Fig.10

3.1.4 Removing the rear cover (See Figs.11 and 12)

- Prior to performing the following procedures, remove the side panels L/R and top cover.
  (1) From the left side of the main body, cut off the tie band attaching the barrier. (See Fig.11)
  (2) Disconnect the wire from the connector CN760 on the main board. (See Fig.11)
  (3) From the back side of the main body, remove the twelve screws **J** and screw **K** attaching the rear cover. (See Fig.12)
  (4) Remove the rear cover from the main body.

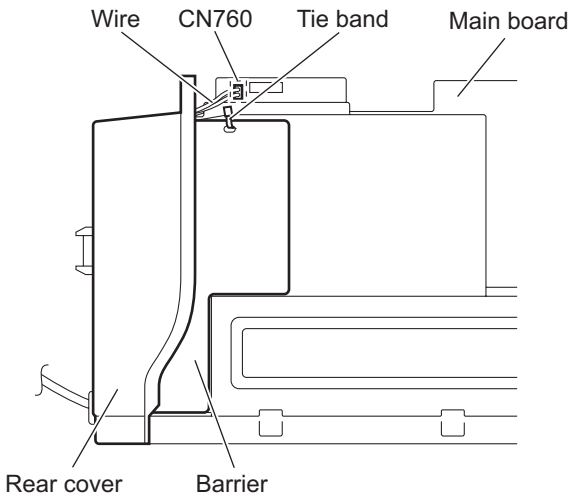


Fig.11

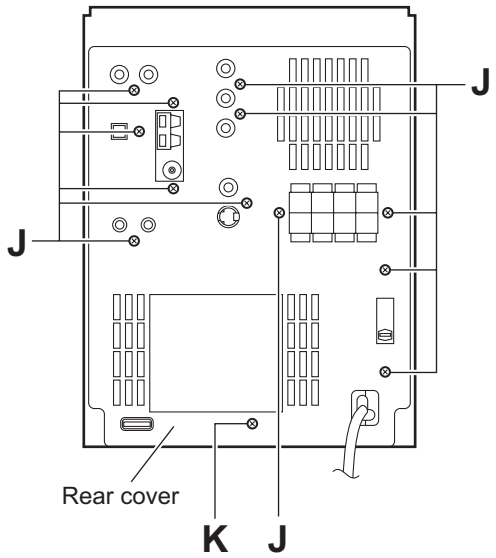


Fig.12

3.1.5 Removing the fan (See Fig.13)

- Prior to performing the following procedures, remove the side panels L/R, top cover and rear panel.
  (1) From the inside of the rear cover, remove the two screws **L** attaching the fan to the rear cover.
  (2) Take out the fan from the rear cover.

  Reference:
  After attaching the fan, pass the wire through the slots **e** and fix the wire with the spacer.

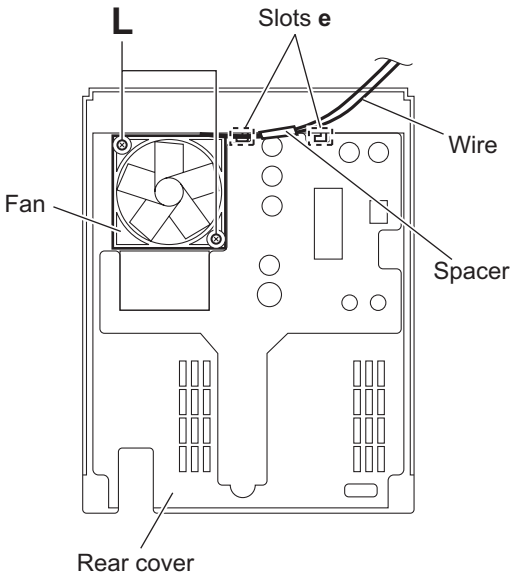


Fig.13

3.1.6 Removing the tuner (See Figs.14 and 15)

- Prior to performing the following procedures, remove the side panels L/R and top cover.
  (1) From the top side of the main body, disconnect the card wire from the connector CN766 on the main board. (See Fig.14)
  (2) From the back side of the main body, remove the two screws **M** attaching the tuner to the rear cover. (See Fig.15)
  (3) Take out the tuner from the main body.

Reference:

Disconnect the card wire from the connector CN1 on the tuner as required. (See Fig.14)

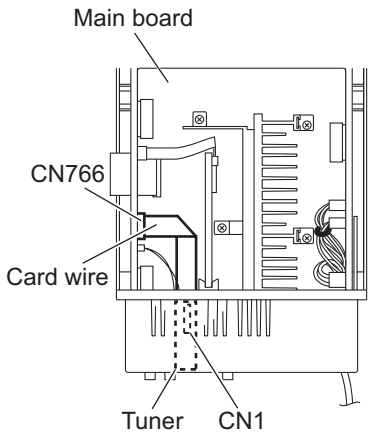


Fig.14

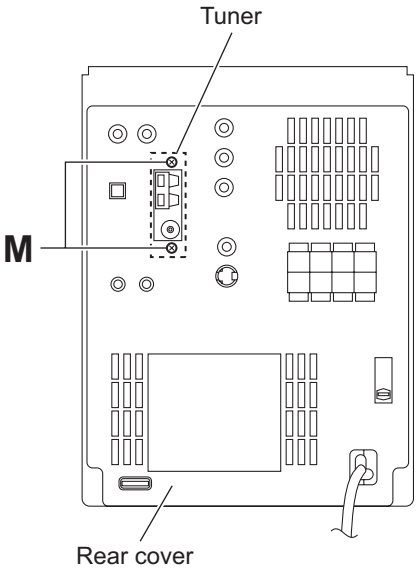


Fig.15

3.1.7 Removing the video output board (See Fig.16)

- Prior to performing the following procedures, remove the side panels L/R, top cover and rear cover.
  (1) From the top side of the main body, disconnect the card wire from the connector CN452 on the video output board.
  (2) Disconnect the connector CN451 on the video output board from the connector CN301 on the power amplifier board.

Reference:

When attaching the video output board, insert the video output board in the slot **f** of the bracket.

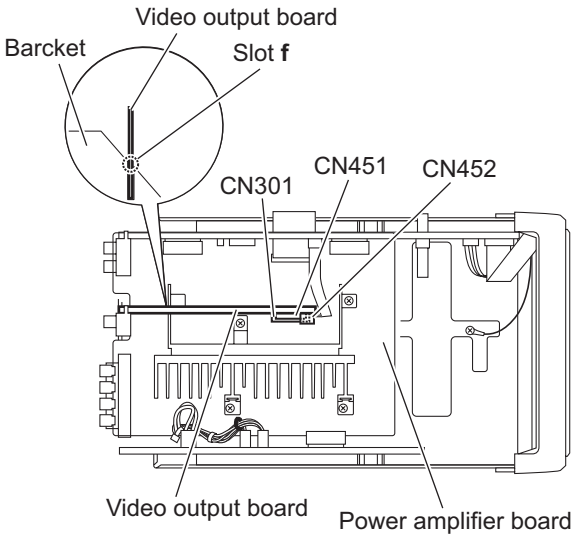


Fig.16

3.1.8 Removing the main board (See Fig.17)

- Prior to performing the following procedures, remove the side panels L/R, top cover assembly and rear cover.

Reference:

Remove the tuner as required. (See 3.1.6 "Removing the tuner")

(1) From the right side of the main body, remove the two screws **N** attaching the main board.
(2) Remove the main board to the direction of this side and disconnect the connectors CN761 and CN762 on the main board.
(3) From the forward side of the main board, disconnect the card wires from the connectors CN700, CN763 and CN764 on the main board.
(4) Disconnect the wire from the connector CN767 on the forward side of the main board.

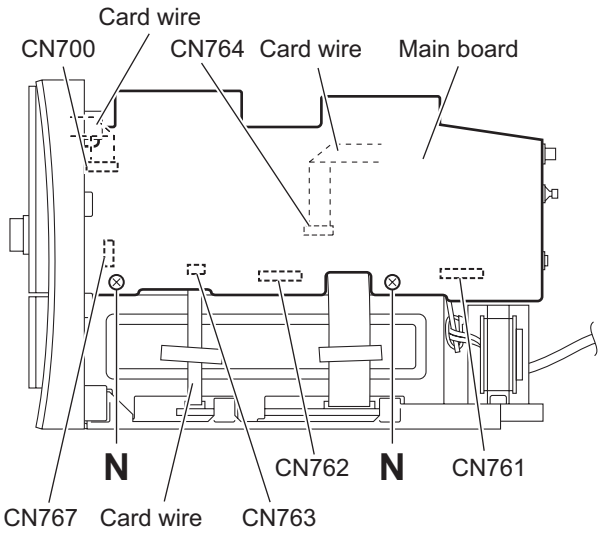


Fig.17

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

- Prior to performing the following procedures, remove the side panels L/R, top cover assembly and rear cover.

Reference:

Remove the tuner as required. (See 3.1.6 "Removing the tuner")

(1) From the left side of the main body, remove the two screws **P** attaching the power supply board.
(2) Cut off the tie band bundling the power cord.
(3) Remove the power supply board toward this side and disconnect the connector CN902 on the power supply board.
(4) From the forward side of the power supply board, disconnect the power cord and wires from the connectors CN901, CN904, CN905 and CN907 on the power supply board.

Reference:

- When connecting the wires to the connectors CN904 and CN905 on the power supply board, bundling the wires with the wire clamps as before.
- After connecting the power cord to the connector CN901 on the power supply board, bundle the power cord with the new tie band as before.

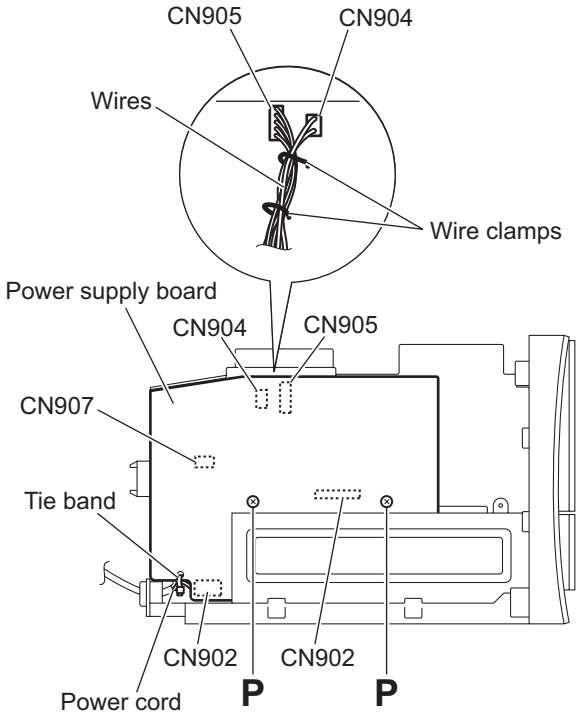


Fig.18

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

- Prior to performing the following procedures, remove the side panels L/R, top cover assembly, rear cover, tuner, video output board, main board and power supply board.
  (1) From the top side of the main body, disconnect the card wire from the connector CN303 on the power amplifier board.
  (2) Remove the tie bands and wire holder bundling the wires.
  (3) Remove the four screws **Q** attaching the power amplifier board on the shield chassis.

Reference:

- When attaching the power amplifier board on the shield chassis, align the projections **g** of the shield case in the slots of the power amplifier board before attaching the power amplifier board with the screws **Q**.
- After attaching the power amplifier board, insert the wires in the slot **h** and bundle the wires with the new tie bands and wire clamp as before.

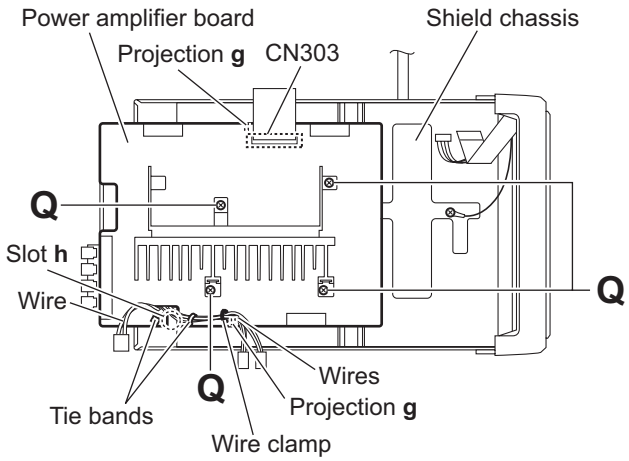


Fig.19

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

- Prior to performing the following procedures, remove the side panels L/R, top cover assembly, rear cover, tuner, video output board, main board, power supply board and power amplifier board.
  (1) From the reverse side of the power amplifier board, bend the claws **i** in the direction of the arrow. (See Fig.20)
  (2) From the forward side of the power amplifier board, remove the four screws **R** attaching the heat sink to the bracket. (See Fig.21)
  (3) Release the joints **j** and remove the heat sink in the direction of the arrow. (See Fig.21)

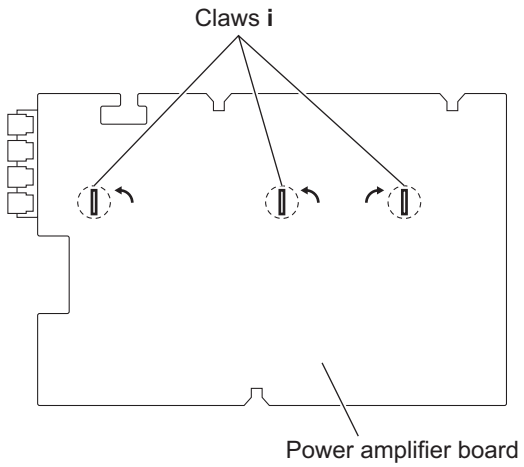


Fig.20

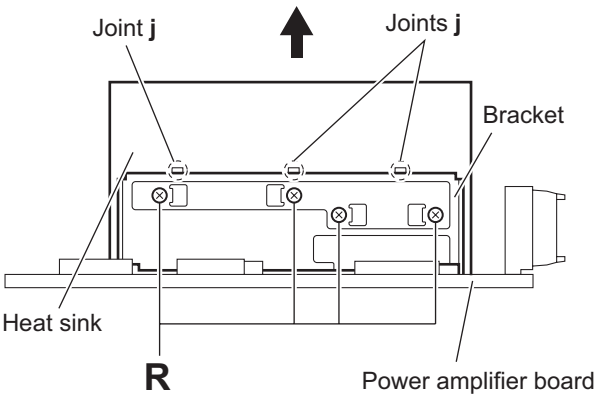


Fig.21

3.1.12 Removing the power transformer (See Fig.22)

- Prior to performing the following procedures, remove the side panels L/R, top cover assembly, rear cover, tuner, video output board, main board, power supply board and power amplifier board.
  (1) From the top side of the main body, cut off the tie bands holding the wire to the support board.

  Reference:

  After reassembling, hold the wire with the new tie bands as before.
  (2) Remove the four screws **S** attaching the power transformer.

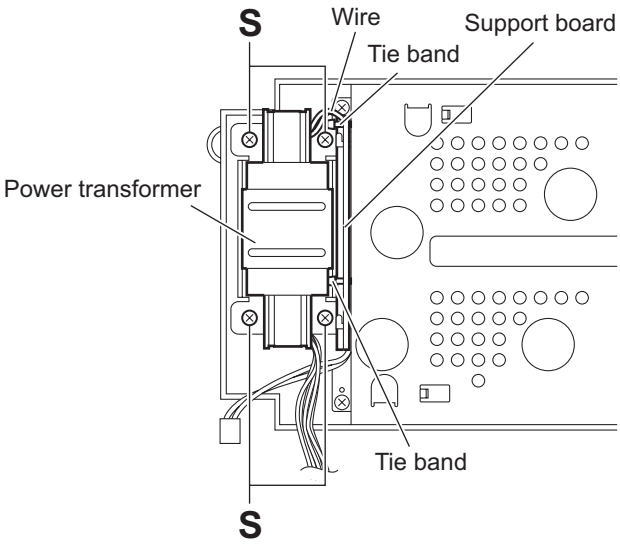


Fig.22

3.1.13 Removing the DVD changer mechanism assembly (See Figs.23 to 26)

- Prior to performing the following procedures, remove the side panels L/R, top cover and front panel assembly.

(1) From the bottom side of the main body, remove the two screws **T** attaching the bracket (F) to the bottom chassis. (See Fig.23)

Reference:

When attaching the bracket (F), align the projections **k** of the bottom chassis in the holes of the bracket (F). (See Fig.23)

(2) From the front side of the main body, remove the two screws **U** attaching the bracket (F) to the shield case. (See Fig.23)

Reference:

When attaching the bracket (F), align the projection **m** of the shield case in the holes of the bracket (F). (See Fig.23)

(3) From the top side of the main body, remove the two screws V attaching the DVD changer mechanism assembly. (See Fig.24)

Reference:

Align the projections **n** on the bottom chassis in the holes of the DVD changer mechanism assembly before attaching the screws **V**. (See Fig.24)

(4) From the right side of the main body, disconnect the card wires from the connectors CN603 and CN604 on the connect board. (See Fig.25)

(5) Take out the DVD changer mechanism assembly from the main body in the direction of the arrow. (See Fig.25)

Note:

When take out the DVD changer mechanism assembly, be careful not to damage the several parts on the connect board.

(6) From the rear side of the DVD changer mechanism assembly, remove the two screws **W** attaching the bracket (R). (See Fig.26)

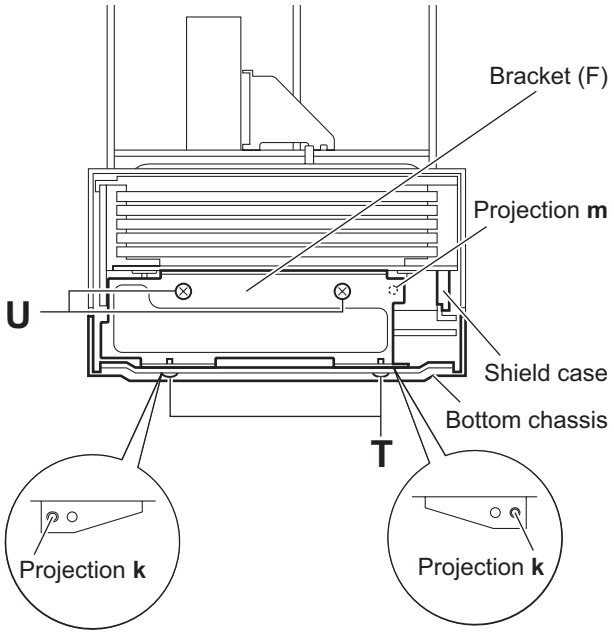


Fig.23

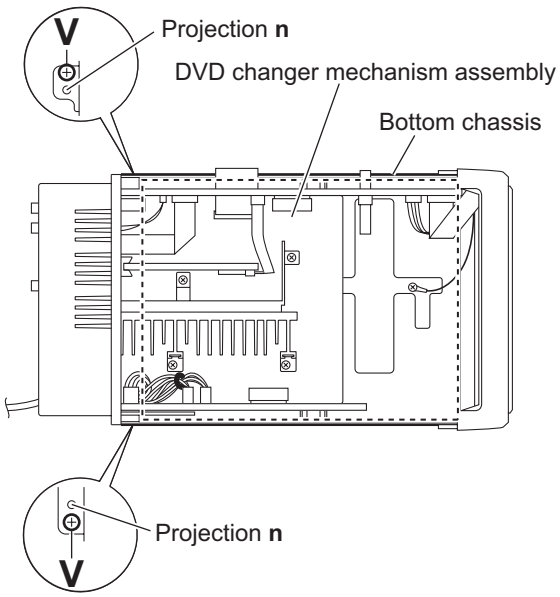


Fig.24

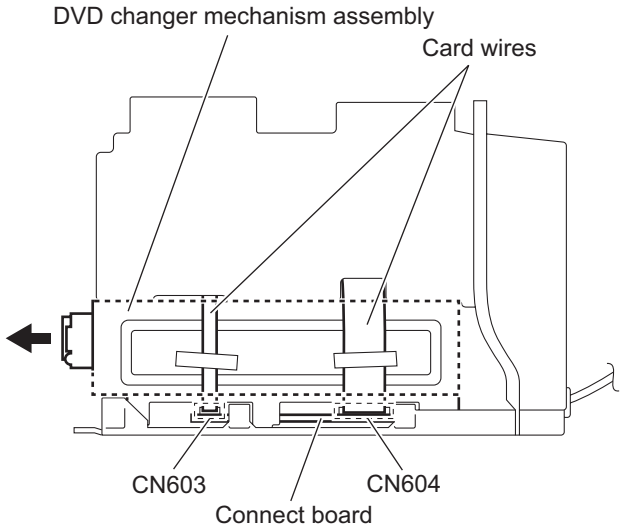


Fig.25

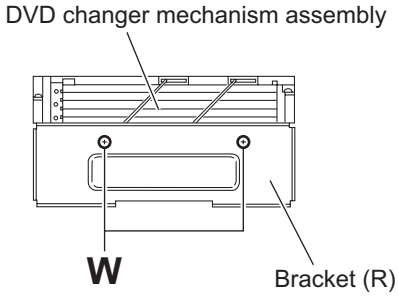


Fig.26

3.1.14 Removing the connector board (See Fig.27)

- Prior to performing the following procedures, remove the side panels L/R, top cover, front panel assembly and DVD changer mechanism assembly.
  (1) From the bottom side of the DVD changer mechanism assembly, remove the two screws **X** attaching the connector board.
  (2) Disconnect the card wire from the connector CN501 and CN503 on the DVD servo board.

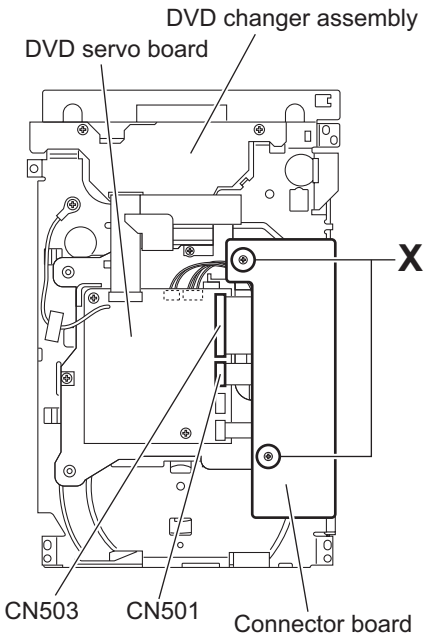


Fig.27

3.1.15 Removing the cassette mechanism assembly (See Fig.28)

- Prior to performing the following procedures, remove the side panels L/R and top cover.
  (1) From the reverse side of the top cover, remove the screws **Y** attaching the dummy board.
  (2) Take out dummy board.
  (3) Remove the four screws **Z** attaching the cassette mechanism assembly, and take out the cassette mechanism assembly.

Reference:

After attaching the cassette mechanism assembly, fix the card wires with the dummy board.

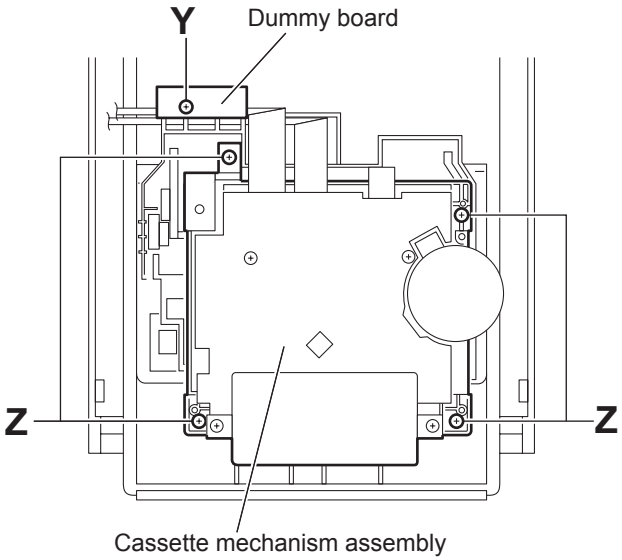


Fig.28

3.1.16 Removing the FL board (See Fig.29)

- Prior to performing the following procedures, remove the side panels L/R, top cover and front panel assembly.
  (1) From the inside of the front panel assembly, remove the five screws **AA** attaching the FL board.
  (2) Take out the FL board from the front panel assembly and remove the solders from the soldered section **p** to remove the parallel wire.

Reference:

When attaching the FL board, align the projection **q** of the front panel assembly in the hole of the FL board.

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

- Prior to performing the following procedures, remove the side panels L/R, top cover and front panel assembly.
  (1) From the inside of the front panel assembly, remove the screw **AB** and screw **AB'** attaching the headphone jack board.
  (2) Take out the headphone jack board with the wires.

Reference:

- When attaching the wires, attach the washer board with the screw **AB'**.
- After attaching the headphone jack board, fix the wires with the spacer.

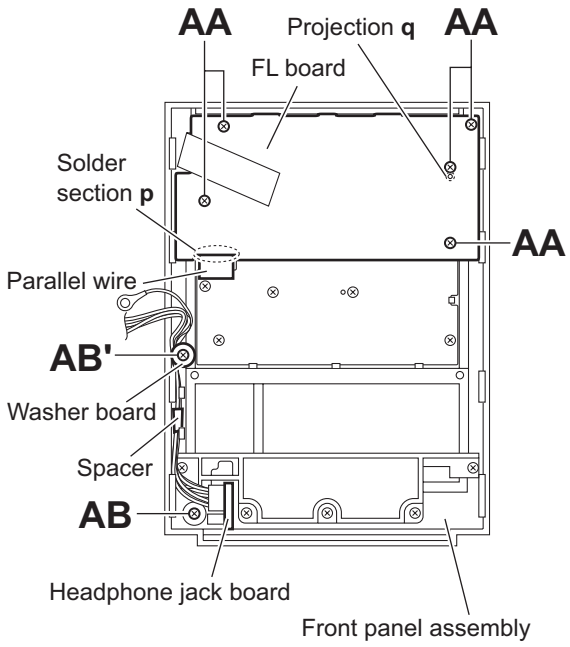


Fig.29

3.1.18 Removing the switch board (See Figs.30 and 31)

- Prior to performing the following procedures, remove the side panels L/R, top cover, front panel assembly and FL board.
  (1) From the front side of the front panel assembly, pull out the volume knob. (See Fig.30)
  (2) From the inside of the front panel assembly, remove the five screws **AC** attaching the switch board. (See Fig.31)
  (3) Release the claws **r** in the direction of the arrow and remove the switch board from the joints **s** of the front panel assembly. (See Fig.31)
  (4) Take out the switch board from the front panel assembly.

Reference:

- Remove the parallel wire from the soldered section **t** on the switch board as required. (See Fig.31)
- When attaching the switch board, align the projection **u** of the front panel assembly in the hole of the switch board. (See Fig.31)

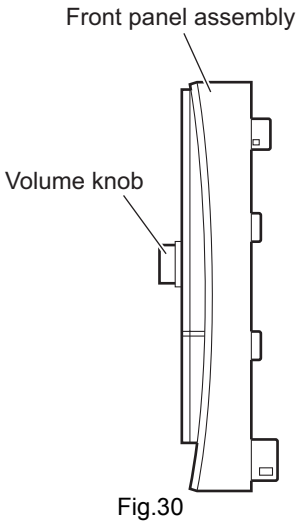


Fig.30

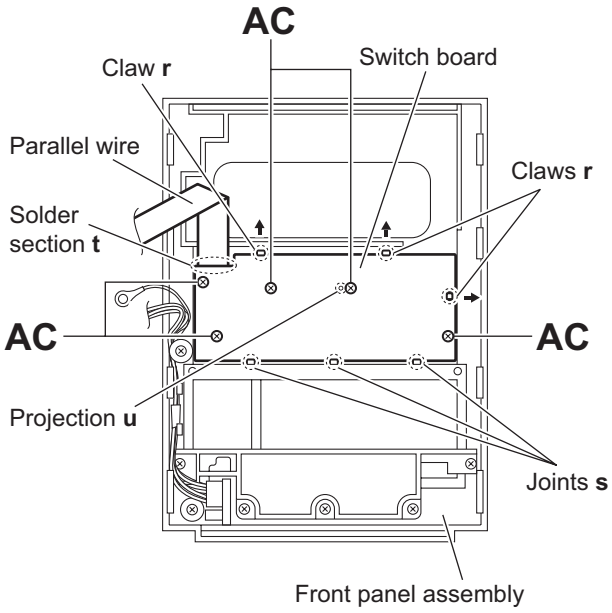


Fig.31

3.2 DVD changer mechanism assembly section

3.2.1 Removing the tray assemblies (See Figs.1 to 5)

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

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

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

Note:
Remove the tray assembly from top tray 5 in order.

Reference:
When reattaching the tray assembly, or when removing the disc remaining inside, refer to another section"3.2.15 Taking out the disc in the play mode".

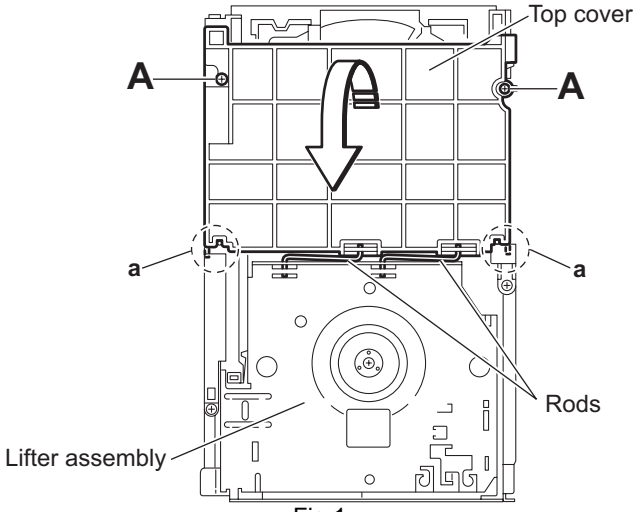


Fig.1

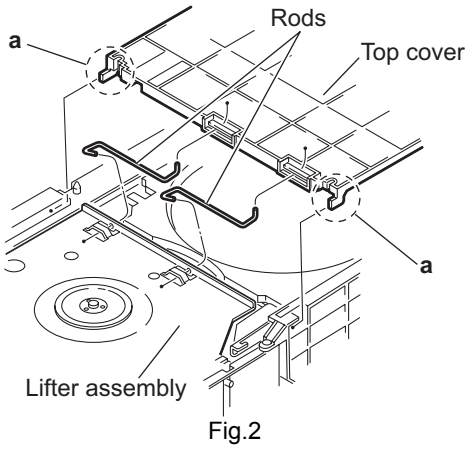


Fig.2

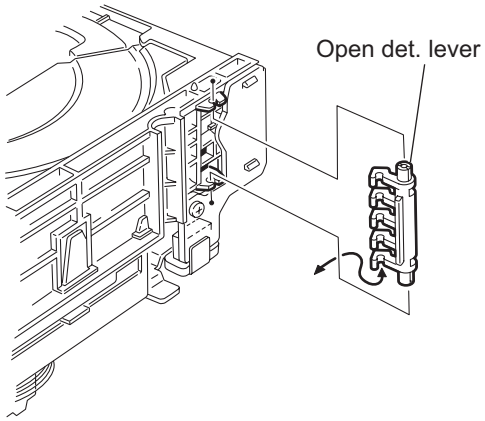


Fig.3

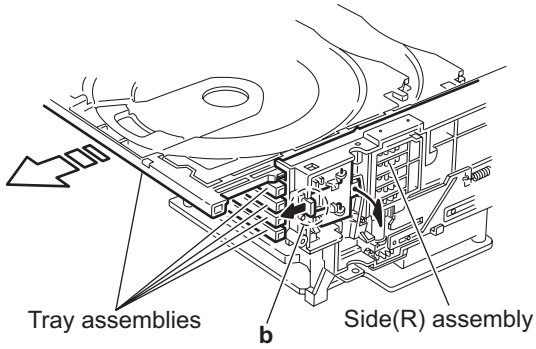


Fig.4

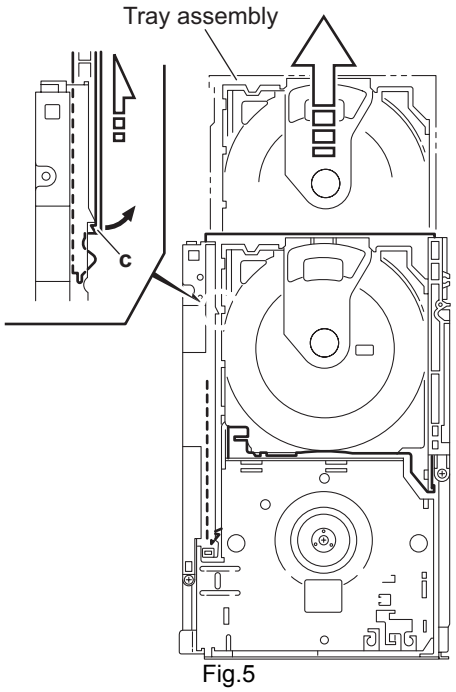


Fig.5

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

Caution:

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

(1) From the topside of the DVD changer mechanism assembly, solder the short land sections **d** on the DVD pick up. (See Fig.6.)

(2) From the bottom side of the DVD changer mechanism assembly, disconnect the card wire from the connectors (CN201, CN451) on the DVD servo board. (See Fig.7.)

(3) Disconnect the wires from the connectors (CN452, CN453) on the DVD servo board. (See Fig.7.)

(4) Remove the screw **B** attaching the earth wire. (See Fig.7.)

Reference:

After attaching the earth wire, fix it with the spacer as before. (See Fig.7.)

(5) Remove the two screws **C** attaching the DVD servo board. (See Fig.7.)

(6) From the reverse side of the DVD servo board, release the lock of the connector CN101 in the direction of the arrow and disconnect the card wire. (See Fig.8.)

Caution:

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

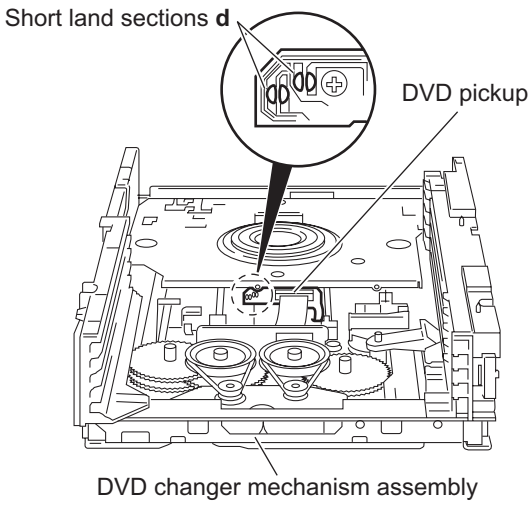


Fig.6

3.2.3 Removing the switch board (See Fig.7)

- Prior to performing the following procedures, remove the DVD servo board.

(1) From the bottom side of the DVD changer mechanism assembly, remove the screw **D** attaching the switch board to the DVD changer mechanism assembly.

(2) Loosen the screw **E** attaching the DVD traverse mechanism assembly and take out the switch board while lifting the section **e** of the DVD traverse mechanism assembly.

(3) Release the wires from the slots **f** of the switch board.

Reference:

When reassembling, pass the wire through the section **g** of the DVD traverse mechanism assembly.

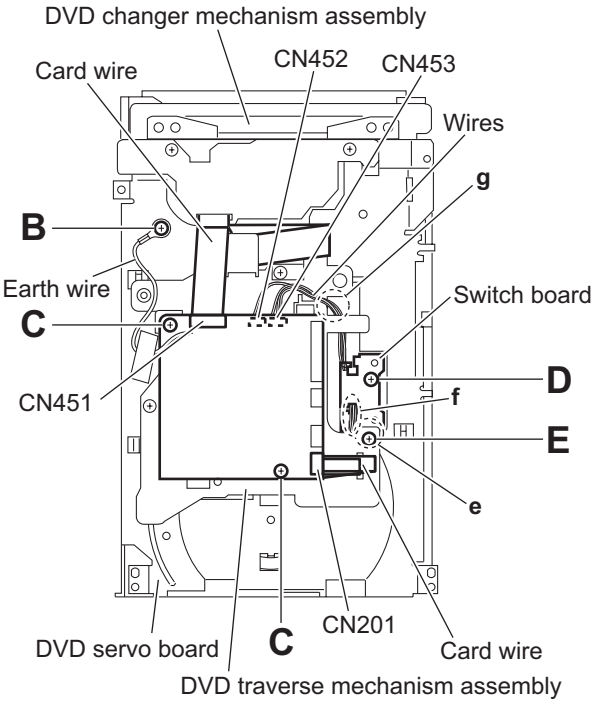


Fig.7

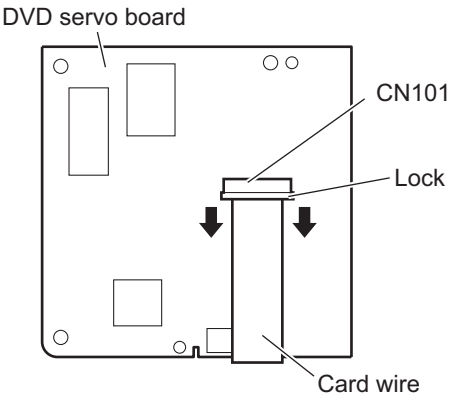


Fig.8

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

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

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

(2) Remove the four screws **F** attaching the motors to the loader assembly. (See Fig.9.)

(3) From the bottom side of the DVD changer mechanism assembly, remove the two screws **G**. (See Fig.10.)

(4) Disconnect the connector CN2 on the motor board from the tray switch board and remove the motor board. (See Fig.10.)

(5) Disconnect the card wire from the connector CN1 on the motor board. (See Fig.10.)

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

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

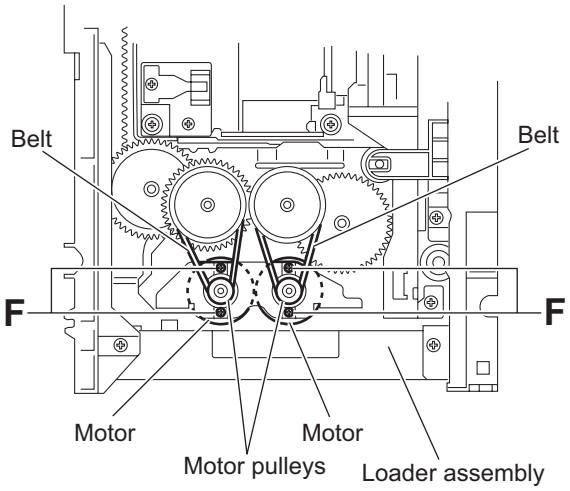


Fig.9

3.2.5 Removing the motor (See Fig. 10)

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

(1) From the reverse side of the motor board, unsolder the four soldered sections **h** on the motor board.

(2) From the forward side of the motor board, remove the motors.

Note:
When reattaching the motor, turn the side where the label should be put to the front side.

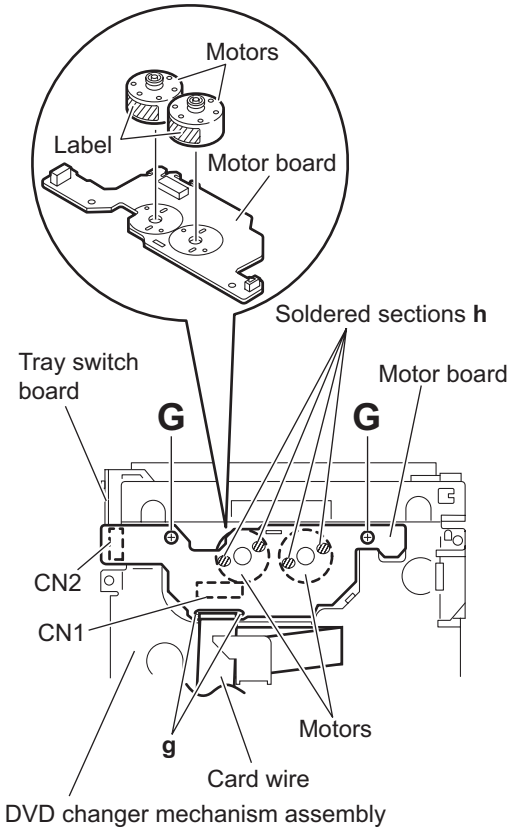


Fig.10

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

- Prior to performing the following procedures, remove the tray assemblies and DVD servo board.
  (1) From the bottom side of the DVD changer mechanism assembly, remove the three screws **H** attaching the DVD traverse mechanism assembly.
  (2) Remove the card wire from the section **i**.
  (3) Remove the wire from the section **j**.
  (4) Take out the DVD traverse mechanism assembly from the DVD changer mechanism assembly.

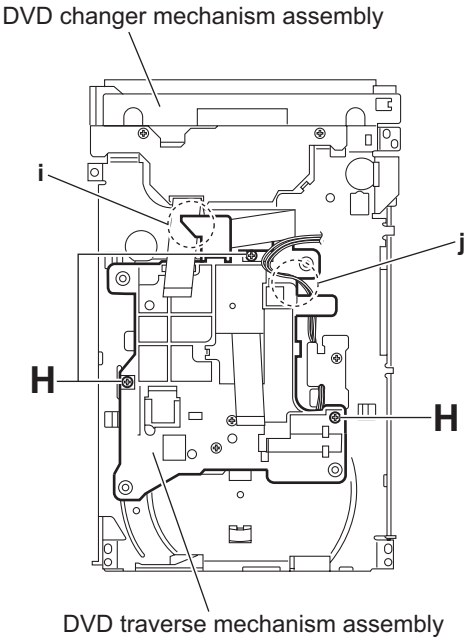


Fig.11

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

- Prior to performing the following procedures, remove the tray assemblies, DVD servo board and DVD traverse mechanism assembly.
  (1) From top side of the DVD traverse mechanism assembly, release the lock of the connector on the DVD pickup and disconnect the card wire in the direction of the arrow. (See Fig.12.)
  (2) Turn the screw shaft gear in the direction of the arrow 1 to move the DVD pickup in the direction of the arrow 2. (See Fig.12.)
  (3) Remove the screw **J** attaching the gear holder. (See Fig.12.)
  (4) Remove the screw **K** attaching the SS adj. spring. (See Fig.12.)
  (5) Move the DVD pickup in the direction of the arrow and remove the screw shaft from the section **k** on the screw shaft holder. (See Fig.13.)
  (6) Remove the section **m** of the DVD pickup from the guide shaft. (See Fig.13.)
  (7) Remove the two screws **L** attaching the rack arm to the DVD pickup. (See Fig.14.)
  (8) Pull the screw shaft from the DVD pickup in the direction of the arrow. (See Fig.14.)

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

(1) Attach the screw shaft to the DVD pickup and attach the rack arm with the screws **L**. (See Fig.14.)

Reference:

After attaching the screw shaft to the DVD pickup, attach the screw shaft collor to the screw shaft. (See Fig.14.)

(2) Attach the section **m** of the DVD pickup to the guide shaft first and attach the screw shaft to the section **k** on the screw shaft holder. (See Fig.13.)
(3) Attach the gear holder and SS adj. spring with the screws **J** and **K**. (See Fig.12.)
(4) Turn the screw shaft gear to move the DVD pickup toward the left. (See Fig.12.)
(5) Connect the card wire to the connector on the DVD pickup. (See Fig.12.)

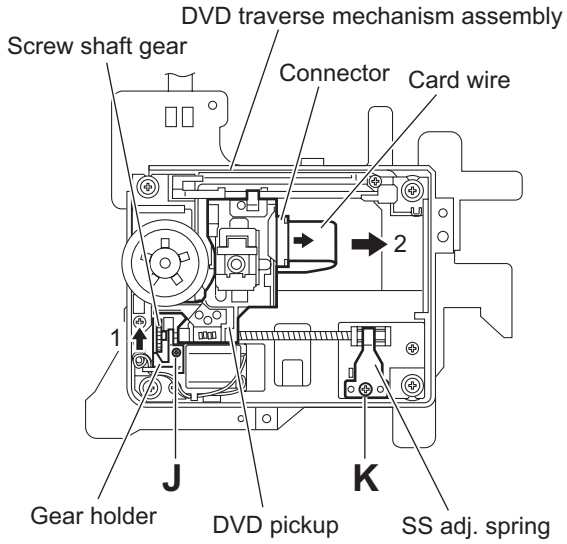


Fig.12

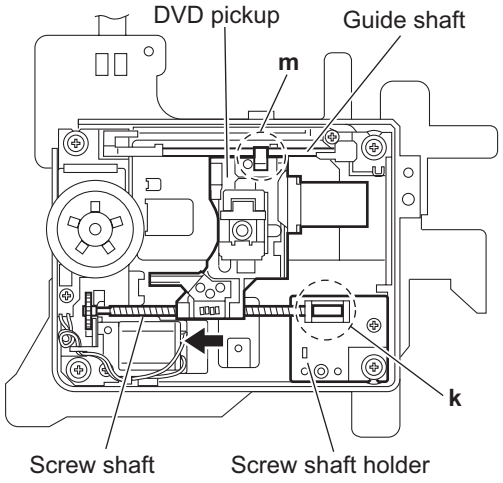


Fig.13

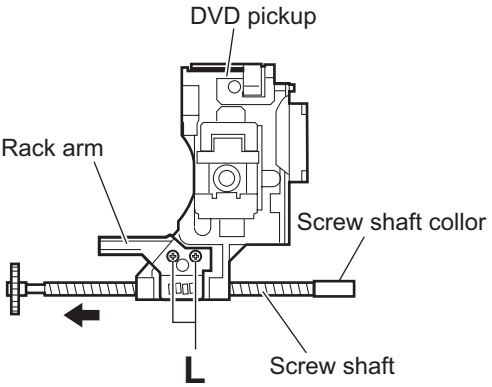


Fig.14

3.2.9 Removing the spindle motor board (See Figs.15 and 16)

- Prior to performing the following procedures, remove the tray assemblies and DVD traverse mechanism assembly.
  (1) From the top side of the DVD traverse mechanism assembly, remove the four screws **M** attaching the DVD traverse mechanism assembly to the DVD traverse mechanism base 3. (See Fig.15.)
  (2) Remove the wires from the soldered section **n** on the spindle motor board. (See Fig.15.)
  (3) Remove the screw **N** attaching the spindle motor board. (See Fig.15.)
  (4) From the bottom side of the DVD traverse mechanism assembly, remove the three screws **P** attaching the spindle motor board. (See Fig.16.)

Reference:

When attaching the spindle motor board, let the card wire through the hole **p** on the SF motor base. (See Fig.15.)

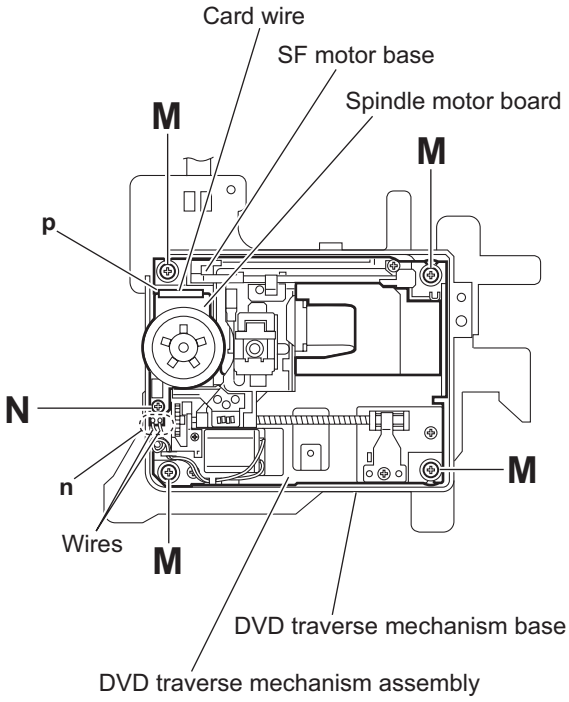


Fig.15

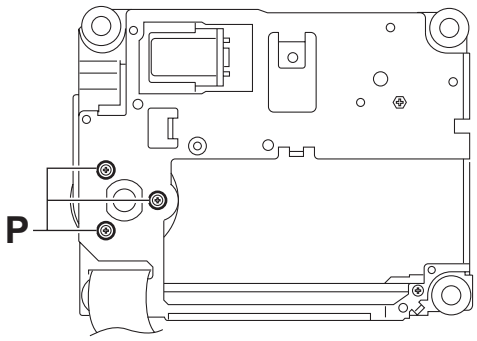


Fig.16

3.2.10 Removing the motor
(See Figs.17 and 18)

- Prior to performing the following procedures, remove the tray assemblies, DVD traverse mechanism assembly, DVD pickup and spindle motor board.
- Remove the wires of the motor as required.
  (1) Remove the middle gear in the direction of the arrow. (See Fig.17.)
  (2) Remove the screw **Q** and screw **R** attaching the SF motor base. (See Fig.17.)
  (3) Remove the screw **S** attaching the motor to the SF motor base. (See Fig.18.)
  (4) Take out the motor from the motor base.

Reference:

After attaching the feed motor, let the wires through the sections **q** and **r** on the SF motor base. (See Fig.17.)

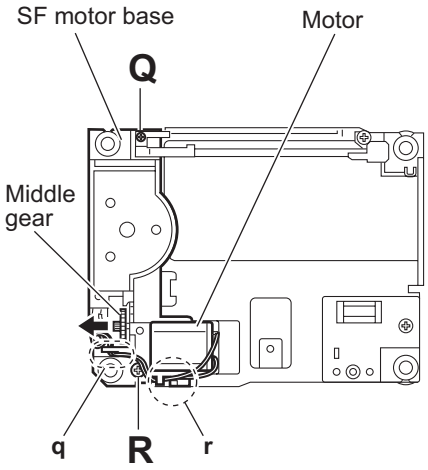


Fig.17

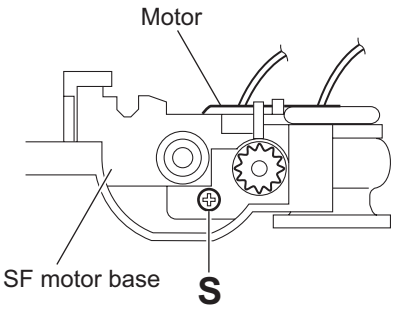


Fig.18

3.2.11 Removing the side (L) assembly and tray switch board (See Figs.19 to 21)

- Prior to performing the following procedures, remove the tray assemblies.
  (1) From the topside of the DVD changer mechanism assembly, remove the two screws **T** attaching the side (L). (See Fig.19.)
  (2) From the left side of the DVD changer mechanism assembly, remove the spacer fixing the tray switch board and motor board. (See Fig.20.)
  (3) Disconnect the connector CN3 on the tray switch board from the motor board and detach the side (L) in an upward direction. (See Fig.20.)
  (4) Remove the screw **U** attaching the tray switch board to the side (L). (See Fig.21.)
  (5) Release the joint tab **s** of the side (L) in the direction of the arrow 1 and release the joint tab **t** while removing the tray switch board in the direction of the arrow 2. (See Fig.21.)

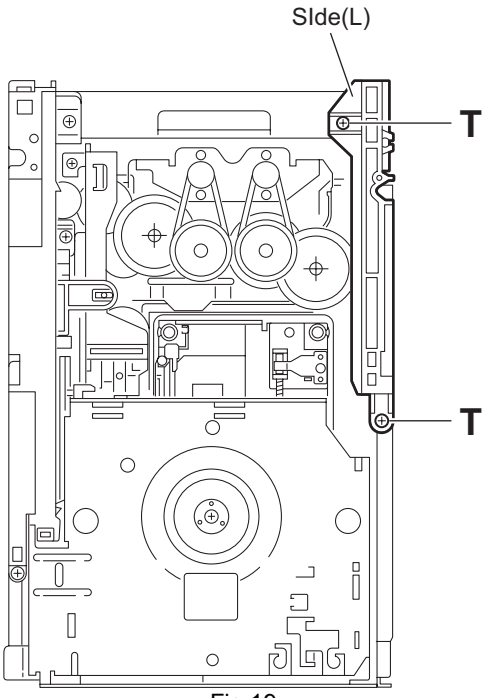


Fig.19

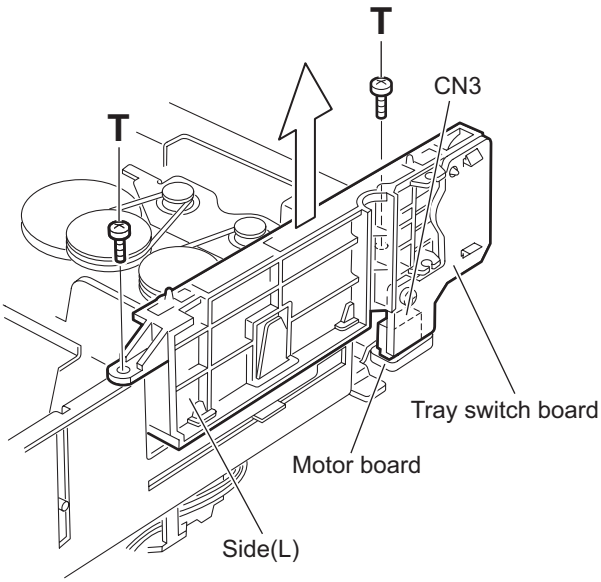


Fig.20

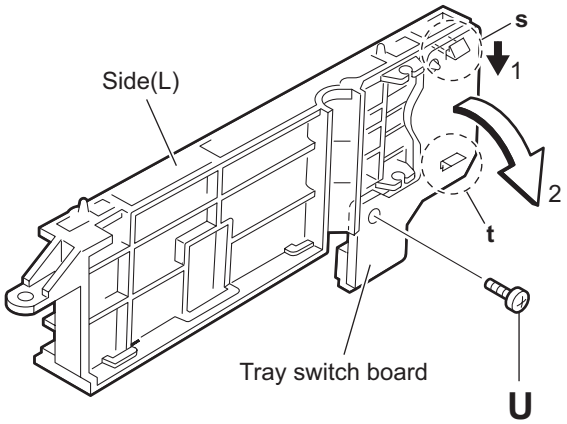


Fig.21

3.2.12 Removing the side (R) assembly (See Fig.22 to 26)

- Prior to performing the following procedures, remove the tray assemblies and DVD servo board.
  (1) From the inside of the side (R) assembly, release the two tabs **u** of the gear cover and remove the gear cover outward. (See Figs.22 and 23.)
  (2) From the right side of the DVD changer mechanism assembly, remove the elevator spring attached to the hook **v** of the loader assembly. (See Figs.23 and 24.)
  (3) From the top side of the DVD changer mechanism assembly, turn the gear 1 clockwise to move the elevator cam rearward. (See Fig.24.)
  (4) Move the two slots **w** and joint **x** of the elevator cam and remove the elevator cam outward. (See Fig.24.)
  (5) Remove the three screws **V** and detaches the side (R) assembly upward. (See Figs.25 and 26.)

Note:

When reattaching the side (R) assembly, make sure to fit the shaft (part y) into the slot of the select lever. (See Fig.25.)

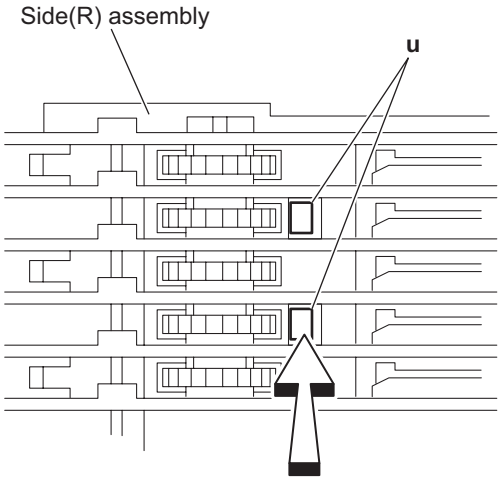


Fig.22

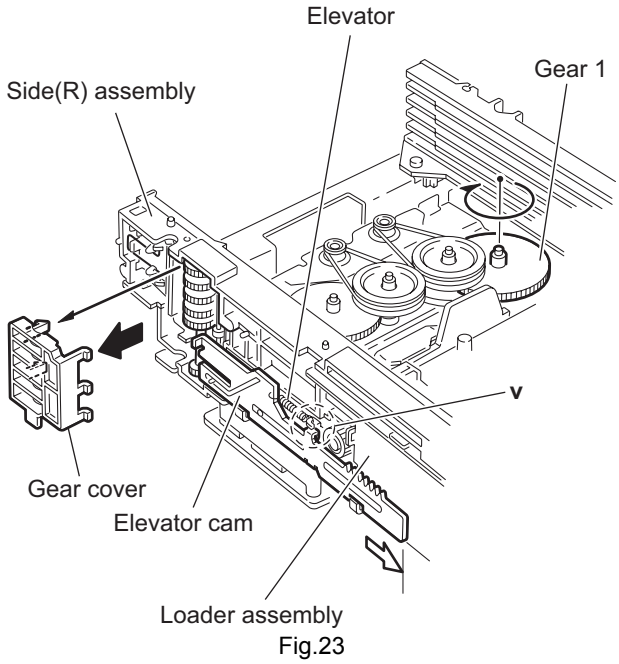


Fig.23

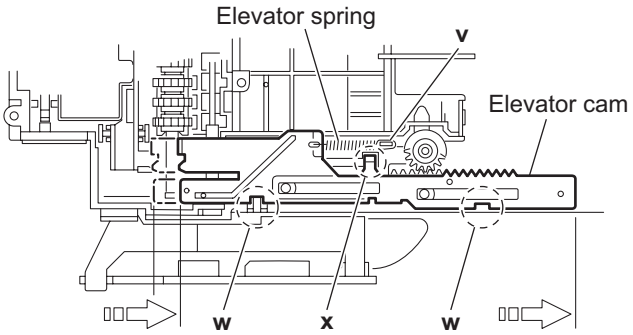


Fig.24

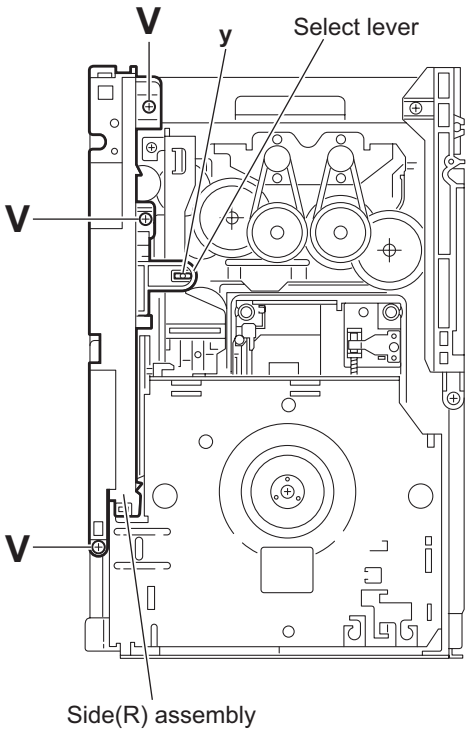


Fig.25

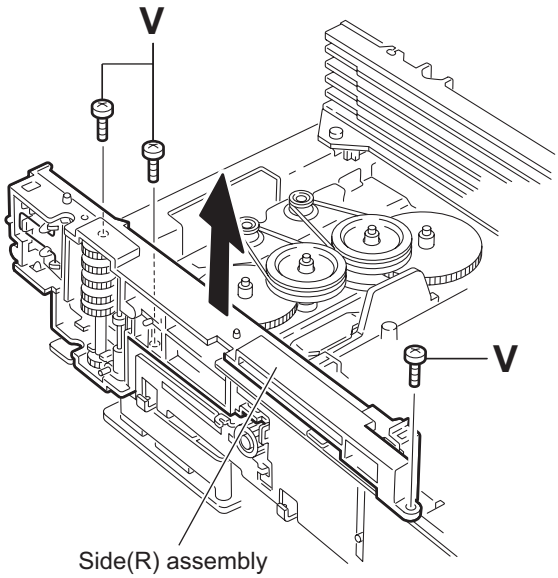


Fig.26

3.2.13 Removing the lifter assembly (See Figs.27 to 31)

- Prior to performing the following procedures, remove the tray assemblies, DVD servo board, side (L) and side (R) assembly.
  (1) From the top side of the DVD changer mechanism assembly, turn the gear 1 clockwise to move the lifter assembly upward. (See Figs.27 and 28.)
  (2) Turn the gear 2 clockwise to move the hook toward the front until it stops. (See Figs.27 and 28.)
  (3) Move the hook stopper in the direction of the arrow 2 while pushing the tab **z** of the hook stopper to unlock it in the direction of the arrow 1 and release four joints **aa** to detach from the rack holder. (See Fig.29.)
  (4) Release the rod from part ab. (See Fig.29.)
  (5) Turn the gear 1 clockwise again to move the lifter assembly upward. (See Fig.30.)
  (6) Remove the lifter assembly from the DVD changer mechanism assembly upward at the positions **ac** where the four pins on the both sides of the lifter assembly fit to the notches of the loader assembly. (See Fig.30.)
  (7) Move the lifter assembly in the direction of the arrow and release it from the hook. (See Fig.31.)

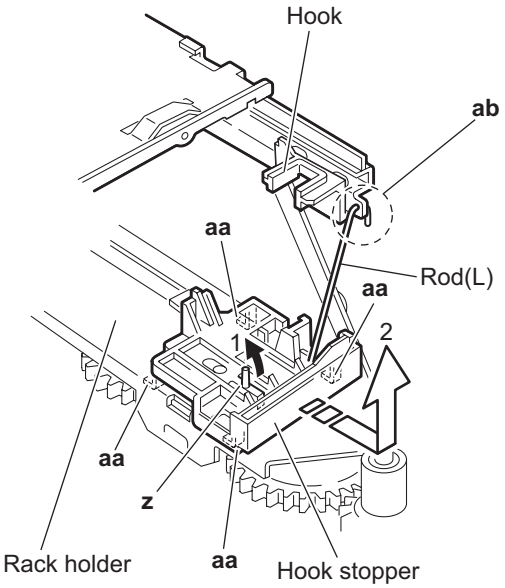


Fig.29

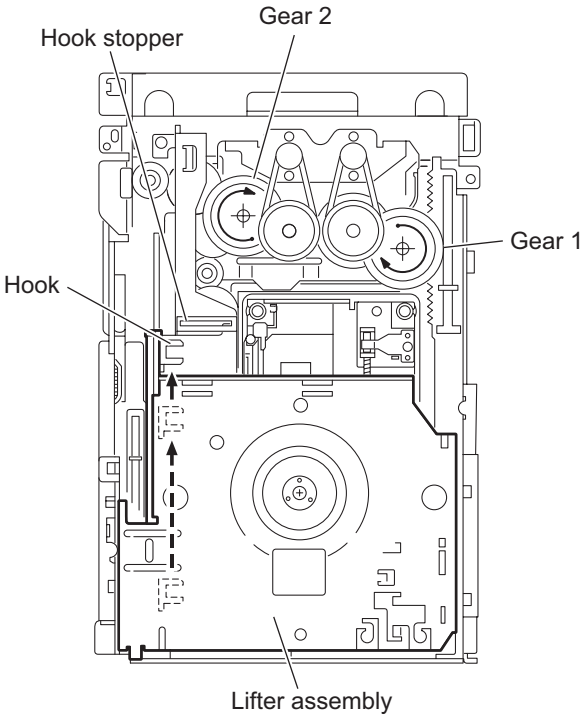


Fig.27

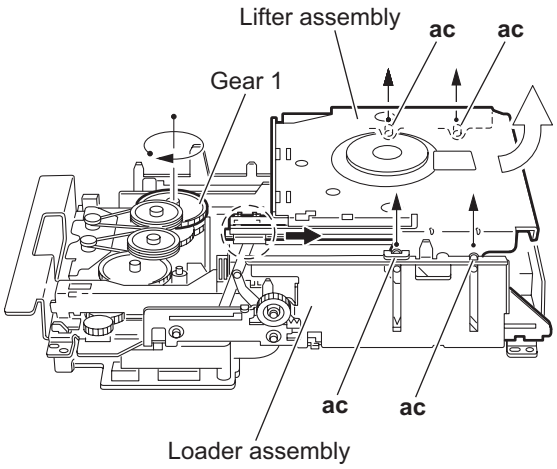


Fig.30

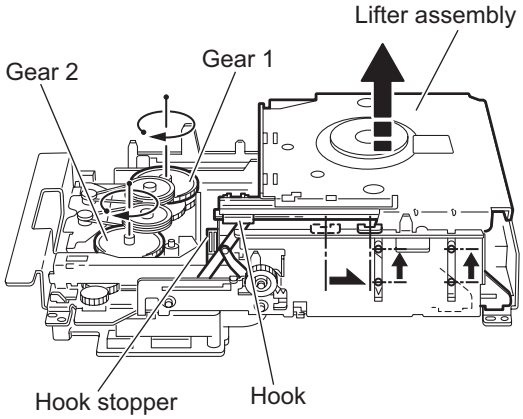


Fig.28

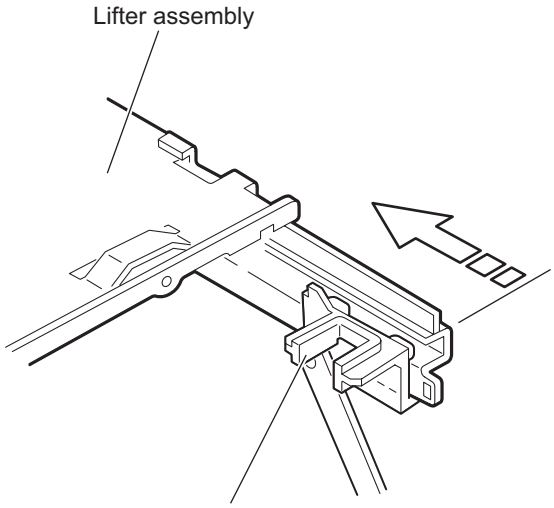


Fig.31

3.2.14 Removing the rack holder and sensor assembly (See Figs.32 to 38)

- Prior to performing the following procedures, remove the tray assemblies, side (L), side (R) assembly and lifter assembly.

Reference:

If the slide gear of the DVD changer mechanism assembly places at joint **ad** of the rack holder, turn the gear 1 counter-clockwise to move the slide gear in the direction of the arrow. Then Remove the rack holder. (See Figs.32 and 33.)

(1) Remove the three screws **W** attaching the rack holder and release joint **ad** from the notch **ae**. (See Figs.32 and 34.)

Note:

When reattaching the rack holder, do not nip the wires extending from the sensor assembly. (See Fig.32.)

(2) Remove the two screws **X** attaching the sensor assembly. (See Figs.35 and 38.)

(3) Move the sensor assembly in the direction of the arrow to release from the joint section **af**. (See Figs.35 and 38.)

(4) Remove the sensor spring attached to the bottom of the sensor assembly from the boss **ag** on the slider. (See Figs.35 and 36.)

(5) Remove the screw **Y** and **Z** attaching the sensor board and SV. resister respectively. (See Fig.37.)

Reference:

Remove the soldered section **aj** on the sensor board as required. (See Fig.37.)

Note:

- When reattaching the SV. resister, attach the slider to the sensor bracket and fit the lever on the bottom of the SV. resister into slot **ak** of the sensor slider. (See Figs.36 and 37.)
- When reattaching the rack holder, turn the gear 1 clockwise to move the slide gear and slide lever inside the body in the direction of the arrow. (See Figs.32 and 38.)
- Let the wire extending from the sensor assembly through notch **ah** to the bottom of the DVD changer mechanism assembly. (See Figs.35 and 38.)
- Fit pin am of the slide lever into hole **ai** of the slider on the bottom of the sensor assembly while attaching the sensor spring to the boss **ag** of the slider. (See Figs.36 and 38.)
- Joint section **af** of the sensor assembly to the notch **an** of the DVD changer mechanism assembly. (See Fig.38.)

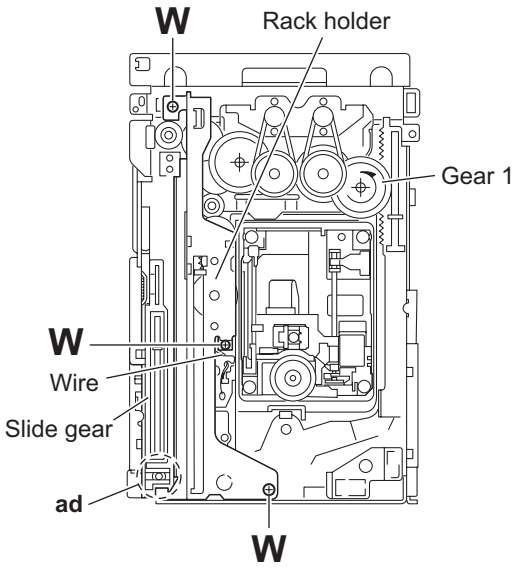


Fig.32

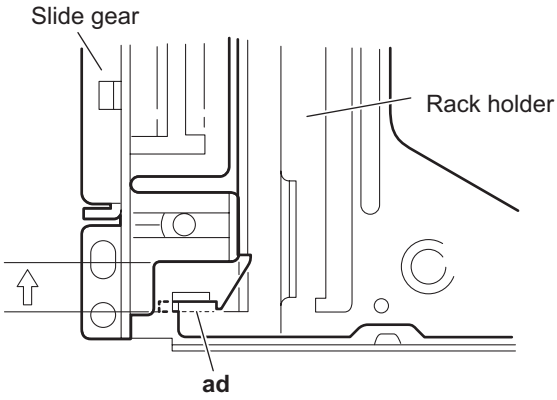


Fig.33

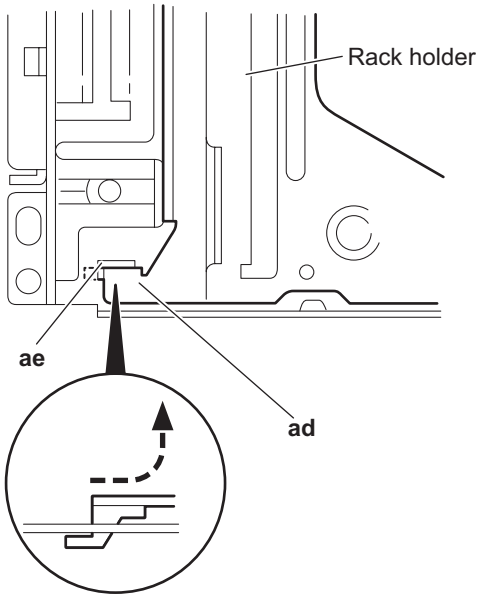


Fig.34

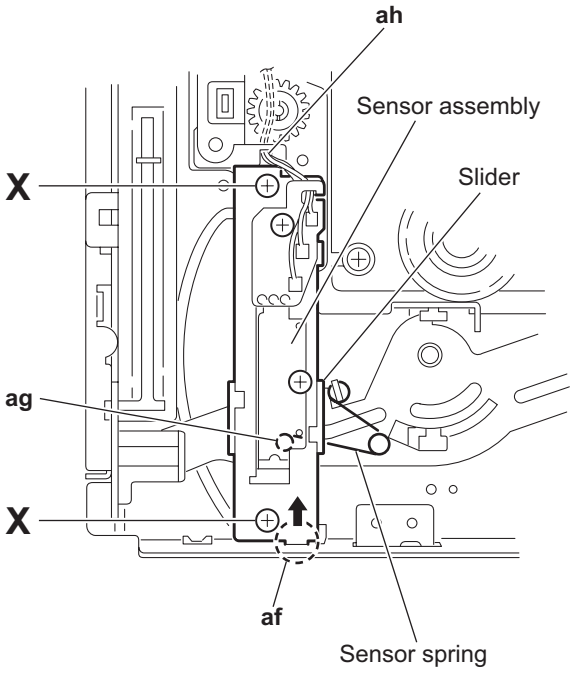


Fig.35

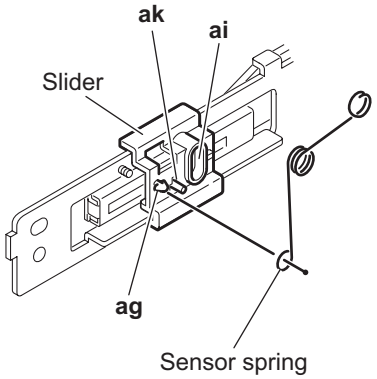


Fig.36

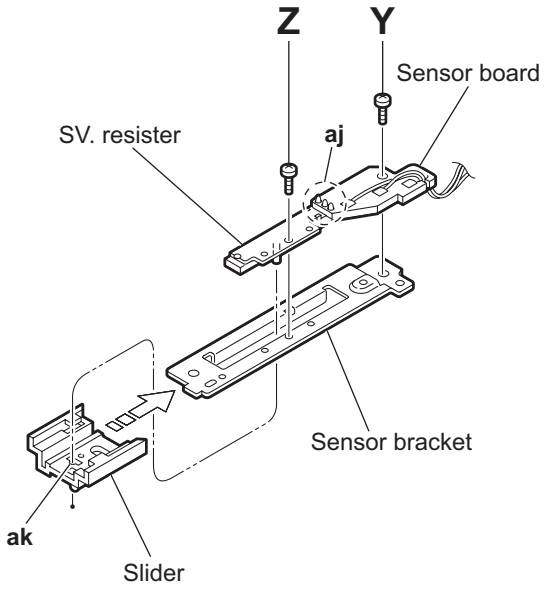


Fig.37

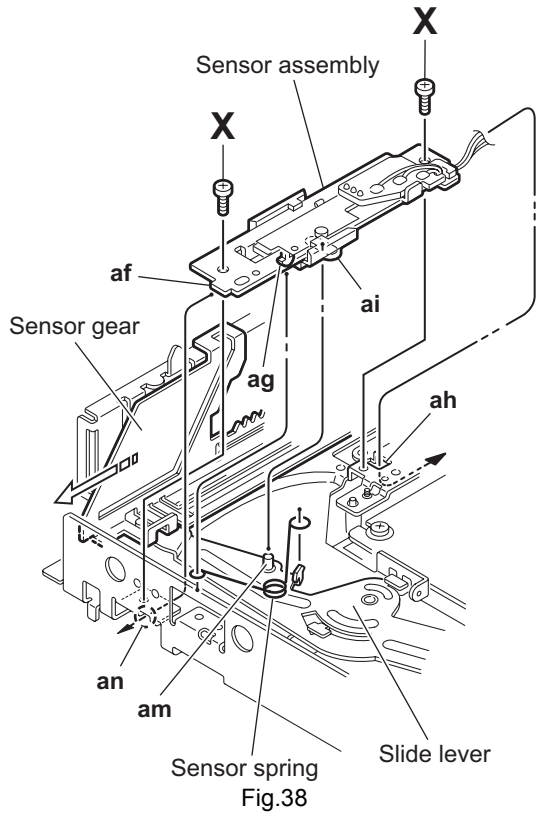


Fig.38

3.2.15 Taking out the disc in the play mode (See Fig.39 to 42)

Reference:

Refer to "Removing the tray assemblies".

(1) From the top side of the DVD changer mechanism assembly, remove the top cover.
(2) Unlock the tray assemblies and draw out the tray assemblies toward the front.
(3) From the top side of the DVD changer mechanism assembly, turn the gear 1 clockwise to move the lifter assembly upward. (See Fig.39.)
(4) Turn the gear 2 clockwise to move the sub tray remaining inside the lifter assembly toward the front, then pull out. (See Fig.39.)
(5) Take out the disc on the sub tray. (See Fig.40.)
(6) After clearing away the disc, insert the sub tray into the main tray. (See Fig.41.)

Note:

When reattaching the sub tray, move the tray stopper on the bottom of the main tray in the direction of the arrow to lock the sub tray certainly. (See Figs.41 and 42.)

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

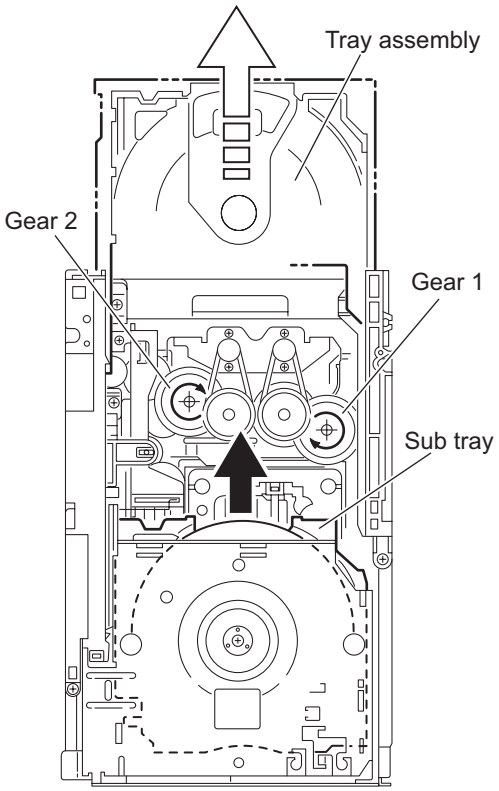


Fig.39

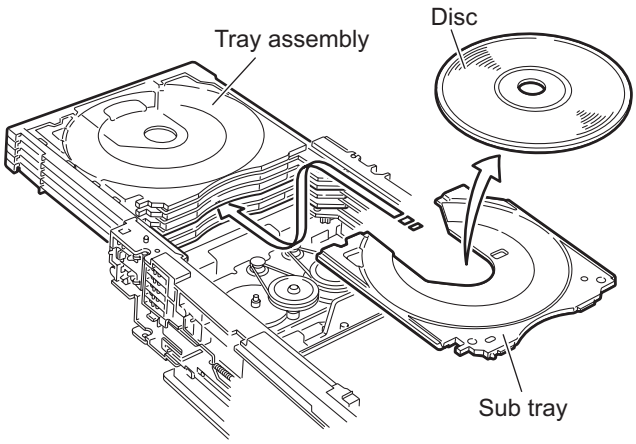


Fig.40

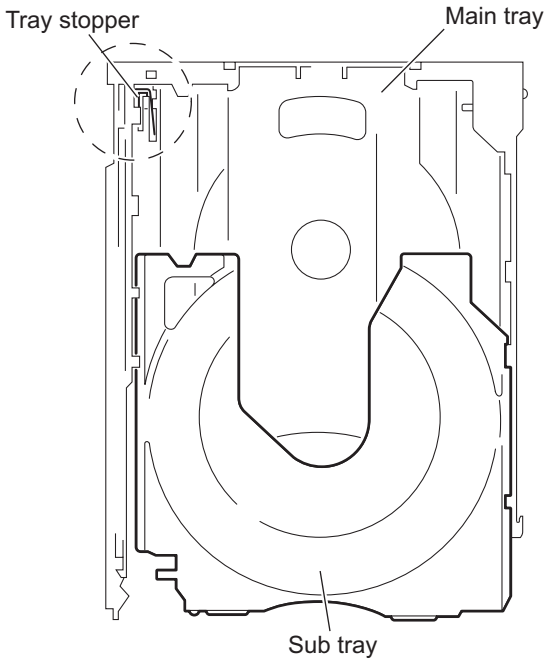


Fig.41

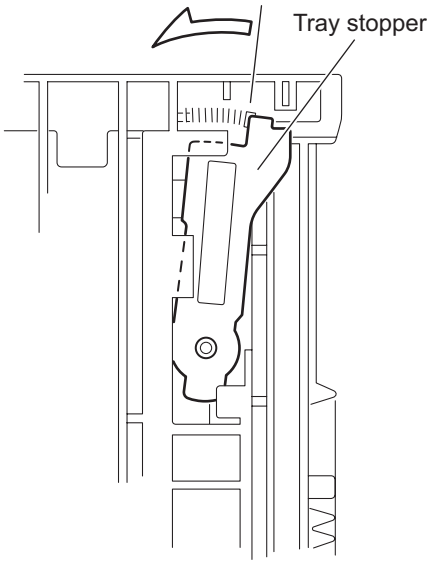


Fig.42

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.

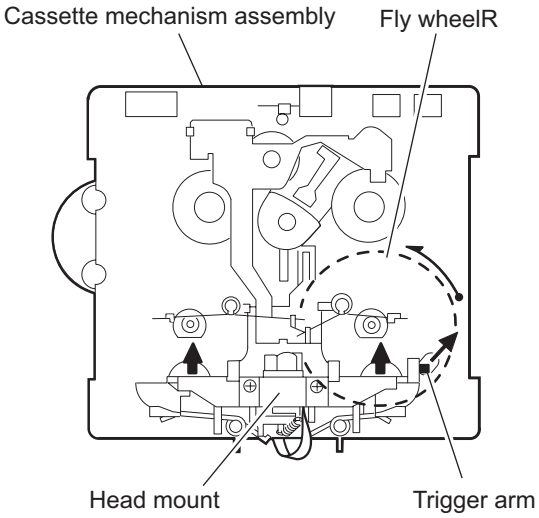


Fig.1

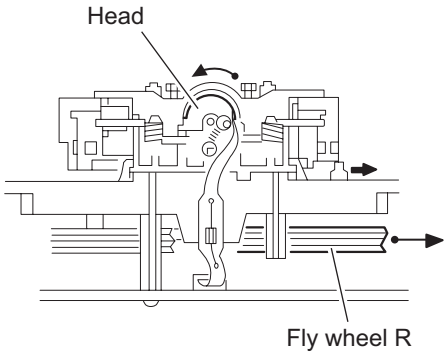


Fig.2

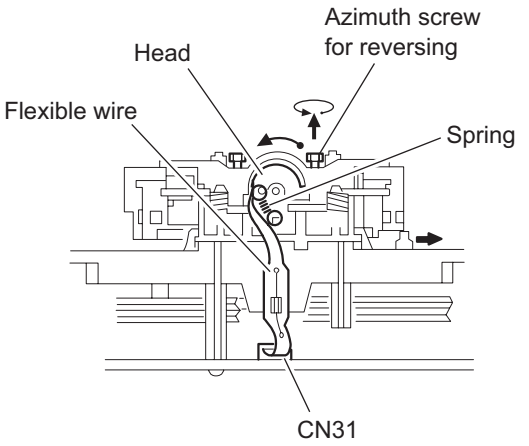


Fig.3

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.

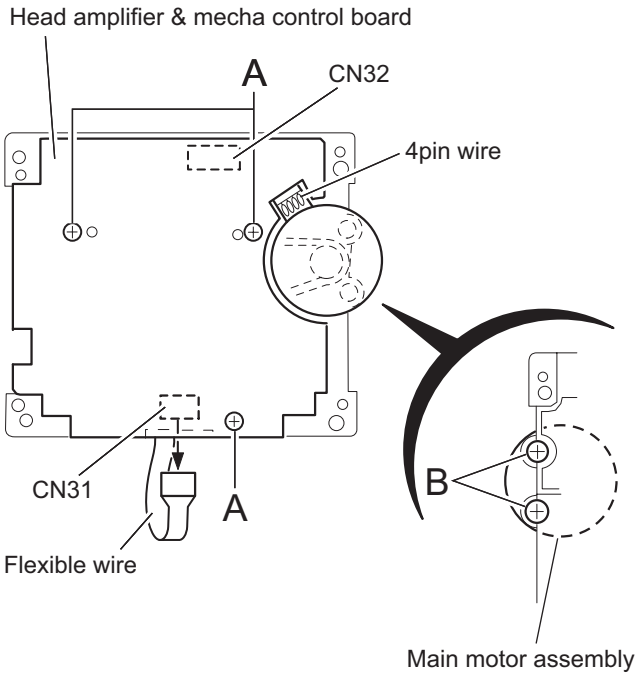


Fig.4

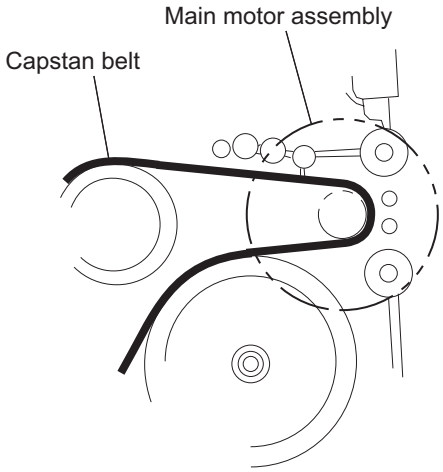


Fig.5

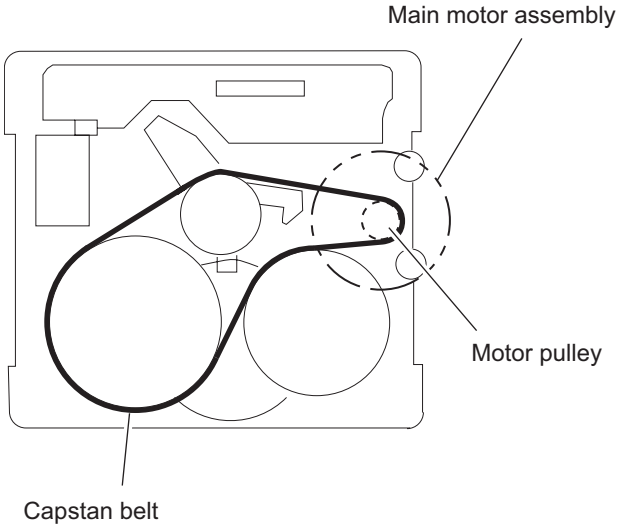


Fig.6

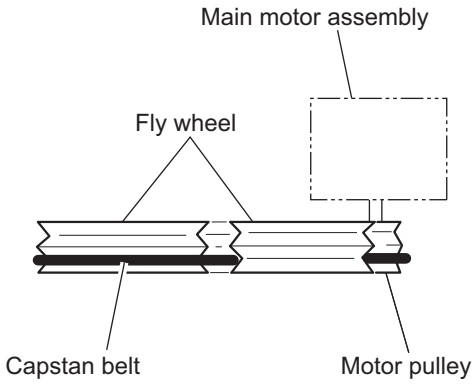


Fig.7

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.

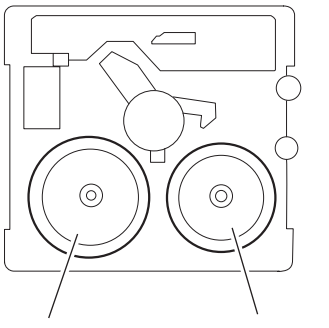


Fig.8

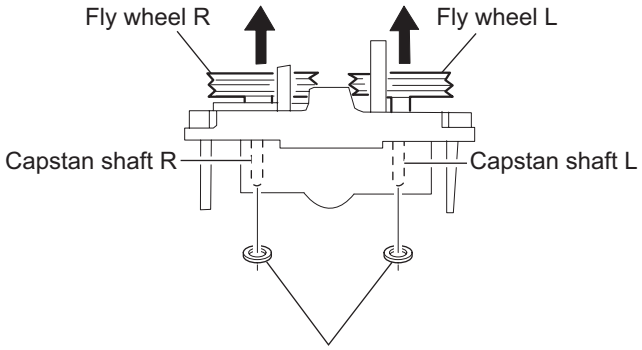


Fig.9

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.

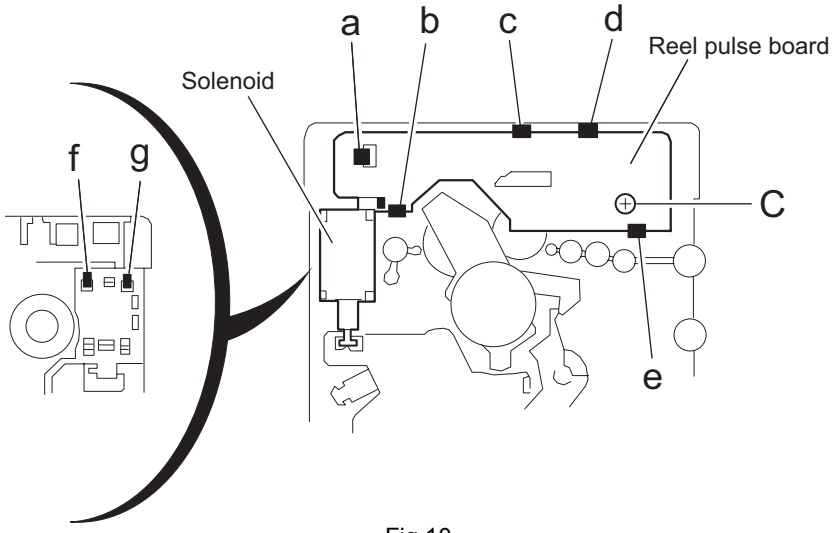


Fig.10

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.

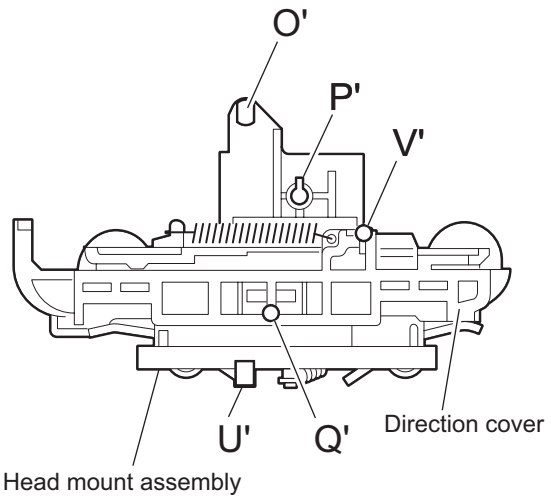


Fig.11

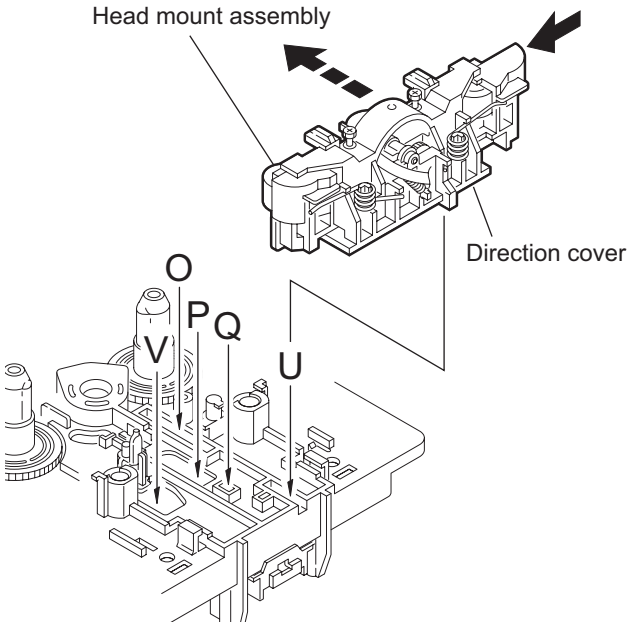


Fig.12

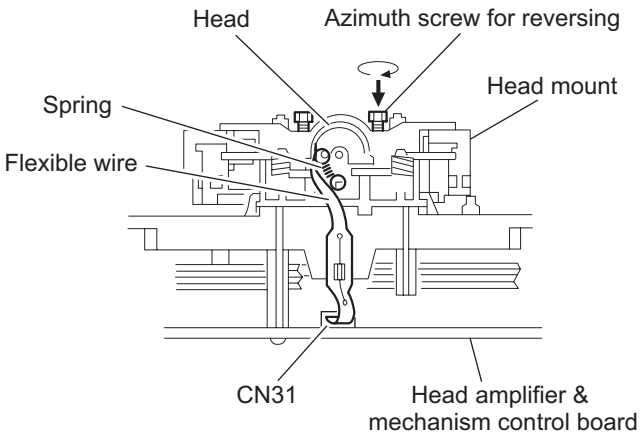


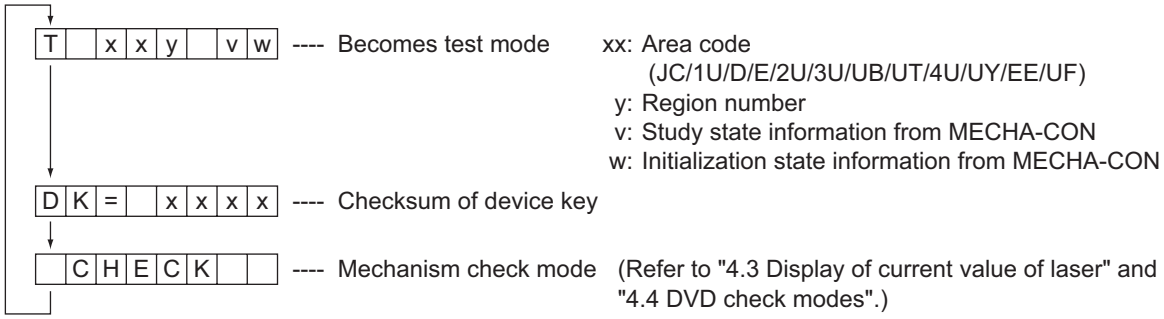
Fig.13

SECTION 4
ADJUSTMENT

4.1 DVD test mode setting method

(1) Unplug the power plug.
(2) Press and hold both "STOP" key and "DISC 5 EJECT/CLOSE" key of the main body.
(3) Insert power plug into outlet while holding the both keys.
(4) "Area code" is indicated on the display.
(5) To release test mode, press "STANDBY/ON" key of the main body.

NOTE:
Each pressing of "MENU" key of the remote controller in test mode changes the mode as follows.



4.2 Method of displaying device key checksum

(1) Set the main body at test mode.
(2) Press "MENU" key of the remote controller. Then, checksum of device key are displayed in the FL display.
(3) To release test mode, press "STANDBY/ON" key of the main body.

4.3 Display of current value of laser

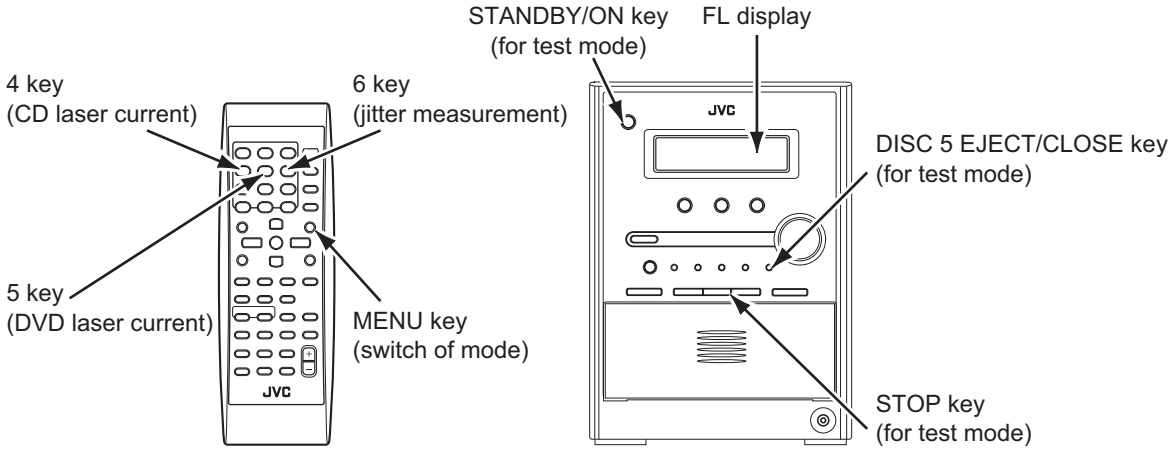
(1) Set the main body at test mode.
(2) Press "MENU" key of the remote controller twice. Then, FL display is displayed "CHECK".
(3) The laser current value can be switched between the value of CD and that of DVD by pressing the following key of the remote controller.
(4) Press "4" key of the remote controller. Then, FL display is displayed "CDLD LSR", and laser current of CD is displayed.
(5) Press "5" key of the remote controller. Then, FL display is displayed "DVDLDLSR", and laser current of DVD is displayed.
(6) Press "6" key of the remote controller. Then, FL display is displayed "JITX1", and jitter measurement of DVD is displayed.

FL Display (Example)

c	c	c	c	j	j	j	j

Remote controller "4" key --- Laser current of CD
Remote controller "5" key --- Laser current of DVD
Remote controller "6" key --- Jitter measurement mode

- To start PLAYING and obtain LASER CURRENT and JITTER value, press "PLAY" key of the remote controller.
- To stop JITTER measurement, press "STOP" key of the main body.



4.4 DVD check modes

(1) Set the main body at test mode.
(2) Press "MENU" key of the remote controller twice. Then, FL display is displayed "CHECK".
(3) The DVD check mode can be selected by pressing the following key of the remote controller.
(4) To return DVD TEST MODE, press "MENU" key of the remote controller at any time during DVD check mode.

	FL Display:
▪ To start PLAYBACK, press "1" key of the remote controller.	PLAYBACK
▪ To perform SERACH TNO +1, press "2" key of the remote controller.	WOBBLE
▪ To perform SERACH TNO -1, press "3" key of the remote controller.	CHECK
▪ To view EEPROM content in -1 address step, press "7" key of the remote controller.	EEP BWD
▪ To view EEPROM content in +1 address step, press "8" key of the remote controller.	EEP FWD
▪ To perform SERCH DVD_SL DESIGNATED POSITION and JITTER MEASUREMENT, press "9" key of the remote controller.	DVD-SL
▪ To perform SERCH DVD_DL PARALLEL DISC DESIGNATED POSITION and JITTER MEASUREMENT, press "10" key of the remote controller.	DVD-DL
▪ To perform monitor output, press "0" key of the remote controller.	MONITOR
▪ To INITIALIZE EEPROM, press "+10" key of the remote controller.	INIT

4.5 Normal initialization method

Please initialize according to the following procedures in the following case:
- Just after you upgrade the firmware.
- After you confirm the symptoms that a customer points out. First Initialize, and then confirm whether the symptoms are improved or not.
- After servicing, before returning the main body to a customer. (Initialized main body should be returned to a customer.)

(1) Set the main body at test mode.
(2) Press "3D PHONIC" key of the main body.
(3) After initialization is finished, mecha will feedback the following information.
(4) When received status, FL display is displayed as follow.

T		x	x	y		v	w

w: Initialization state information from MECHA-CON

4.6 Full-initialization method

Please perform all-initialization according to the following procedures in the following case:
- Just after you exchange the pick-up.
- Just after you exchange the spindle motor.
- Just after you exchange the traverse mechanism base.

NOTE:
Please perform all-initialization when you exchange the parts above and also when you remove the parts above.

- Just after the flap adjustment of the pick-up guide shaft.

(1) Set the main body at test mode.
(2) Press and hold "F.SKIP" key of the main body for more than 2 seconds.
(3) After initialization is finished, mecha will feedback the following information.
(4) When received status, FL display is displayed as follow.

T		x	x	y		v	w

w: Initialization state information from MECHA-CON

4.7 Confirming method of DVD region

(1) Press "STANDBY/ON" key of the main body to turn it on.
(2) Push both "B.SKIP" key and "DVD/CD" key of the main body.

NOTE:
Confirming DVD region is effective only when source is DVD mode.

(3) DVD region confirm mode set up, and DVD region is displayed temporarily on FL display for 5 seconds.

NOTE:
If there is no information feedback, SYS-CON will display "WAIT" blinking 0.5 second ON & OFF.

(4) FL display will display "AREAxxRy" where "AREAxx" is the destination information & R is the region information.
(5) After 5 seconds, return to previous display.

4.8 Displaying of micon version

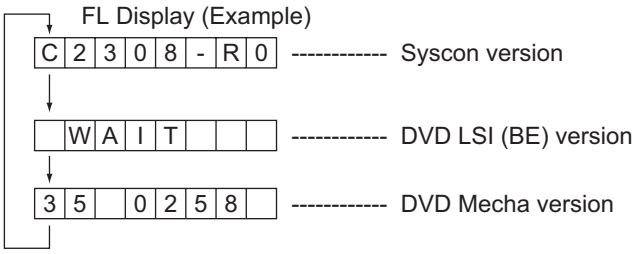
(1) Press "STANDBY/ON" key of the main body to turn it on.
(2) Push "STANDBY/ON" key, "ENTER" key and "9" key of the remote controller.

NOTE:
Displaying of micon version is effective only when source is DVD mode.

(3) Micon version is displayed temporarily on FL display for 5 seconds.

NOTE:
If there is no information feedback, SYS-CON will display "WAIT" blinking 0.5 second ON & OFF.

(4) Each "STANDBY/ON" key, "ENTER" key and "9" key of the remote controller press, change the display as follows.
(5) After 5 seconds, return to previous display.



4.9 Display of tuner version

(1) Press "STANDBY/ON" key of the main body to turn it on.
(2) Push "STANDBY/ON" key, "ENTER" key and "1" key of the remote controller.
(3) Tuner version is displayed temporarily on FL display for 5 seconds.
(4) After 5 seconds, return to previous display.

0V JC	For JC
1V E_RDS	For E RDS
2V A	For A
3V US9K	For US9K
4V US10K	For US10K
5V UX9K	For UX9K
6V UX10K	For UX10K
7V UW9K	For UW9K
8V UW10K	For UW10K
9V UF9K	For UF9K
AV UF10K	For UF10K

4.10 FL display all lighting-up check

(1) Press "STANDBY/ON" key, "ENTER" key and "+10" key of the remote controller.
(2) Then, all segment of the FL display is blinking.
(3) To exit test mode, press "STANDBY/ON" key, "ENTER" key and "+10" key again.

4.11 Cold start

(1) Press "STANDBY/ON" key, "ENTER" key and "10" key of the remote controller.
(2) Then, cold start processing is activated, and "COLD" is displayed temporarily on FL display for 2 seconds.
(3) After 2 seconds, return to previous display.
(4) To activate cold start, the system AC OFF and AC ON again.

4.12 Clock fast forwarding (Increase clock counter speed)

(1) Press "STANDBY/ON" key, "ENTER" key and "2" key of the remote controller.
(2) Then, clock fast forwarding is activated.

NOTE:
This forwarding can be activated after system closk is set up.
(3) To exit test mode, the system AC OFF and AC ON again.

4.13 Compulsive NTSC mode

(1) Unplug the power plug.
(2) Insert power plug into outlet while pressing both "STOP" key and "DVD/CD" key of the main body.
(3) The compulsive NTSC mode is set up.

NOTE:
In E version, Y/C mode is set up.
(4) Unless the mode is canceled, regardless of input of "NTSEL" switch, it starts only at the time of the first power-on.
(5) When power-off is carried out, the mode is canceled.

4.14 Locking disc tray

(1) Press both "STOP" key and "DISC1 EJECT/CLOSE" key of the main body during standby mode.
(2) Then, the FL display of main body is displayed "LOCKED" and the disc tray is locked.
(3) For unlock the tray, press both "STOP" key and "DISC1 EJECT/CLOSE" key again.
(4) Then, the FL display of main body is displayed "UNLOCKED" and the tray is unlocked.

NOTE:
Unless unlocking disc tray, it does not process to input "OPEN/CLOSE" key.

4.15 Setting fan ON/OFF

(1) Press both "STOP" key and "DISC2 EJECT/CLOSE" key of the main body during standby mode.
(2) Each both "STOP" key and "DISC1 EJECT/CLOSE" key press, fan switch changes ON and OFF.
(3) To exit test mode, the system AC OFF and AC ON again.

4.16 Changing volume large step

(1) Press "STANDBY/ON" key, "ENTER" key and "DISPLAY" key of the remote controller.
(2) Then, volume step changes MAX (50).
(3) Each "STANDBY/ON" key, "ENTER" key and "DISPLAY" key press, volume step changes MAX (50) and CENTER (25).
(4) After performing changing volume large step, system return normal operation.

4.17 Switching tuner AM step (U version only)

- Switching 9kHz
  (1) Press both "STOP" key and "DISC3 EJECT/CLOSE" key of the main body.
- Switching 10kHz
  (1) Press both "STOP" key and "DISC4 EJECT/CLOSE" key of the main body.

NOTE:
Switching tuner AM step is effective only when source is AM.

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.MB230)

Printed in Japan
WPC

JVC

SCHEMATIC DIAGRAMS

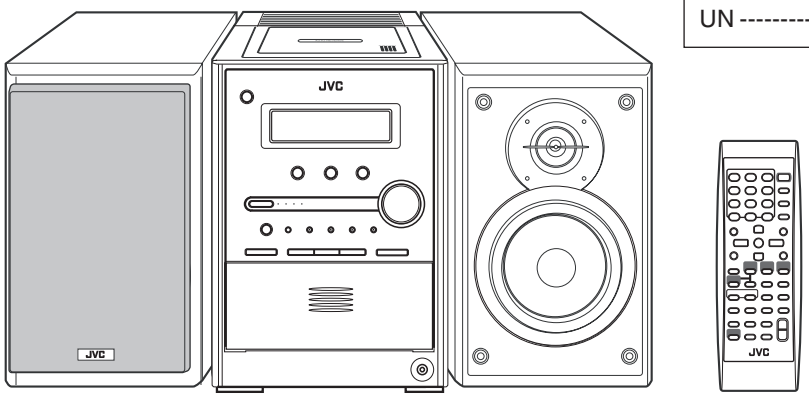
COMPACT COMPONENT SYSTEM

UX-S77

CD-ROM No.SML200405

Area suffix

A ---------- Australia
US ---------- Singapore
UW ---------- Brazil,Mexico,Peru
UX ---------- Saudi Arabia
UJ ---------- U.S.Military
UN ---------- Asean



(SP-UXS77) (CA-UXS77) (SP-UXS77)

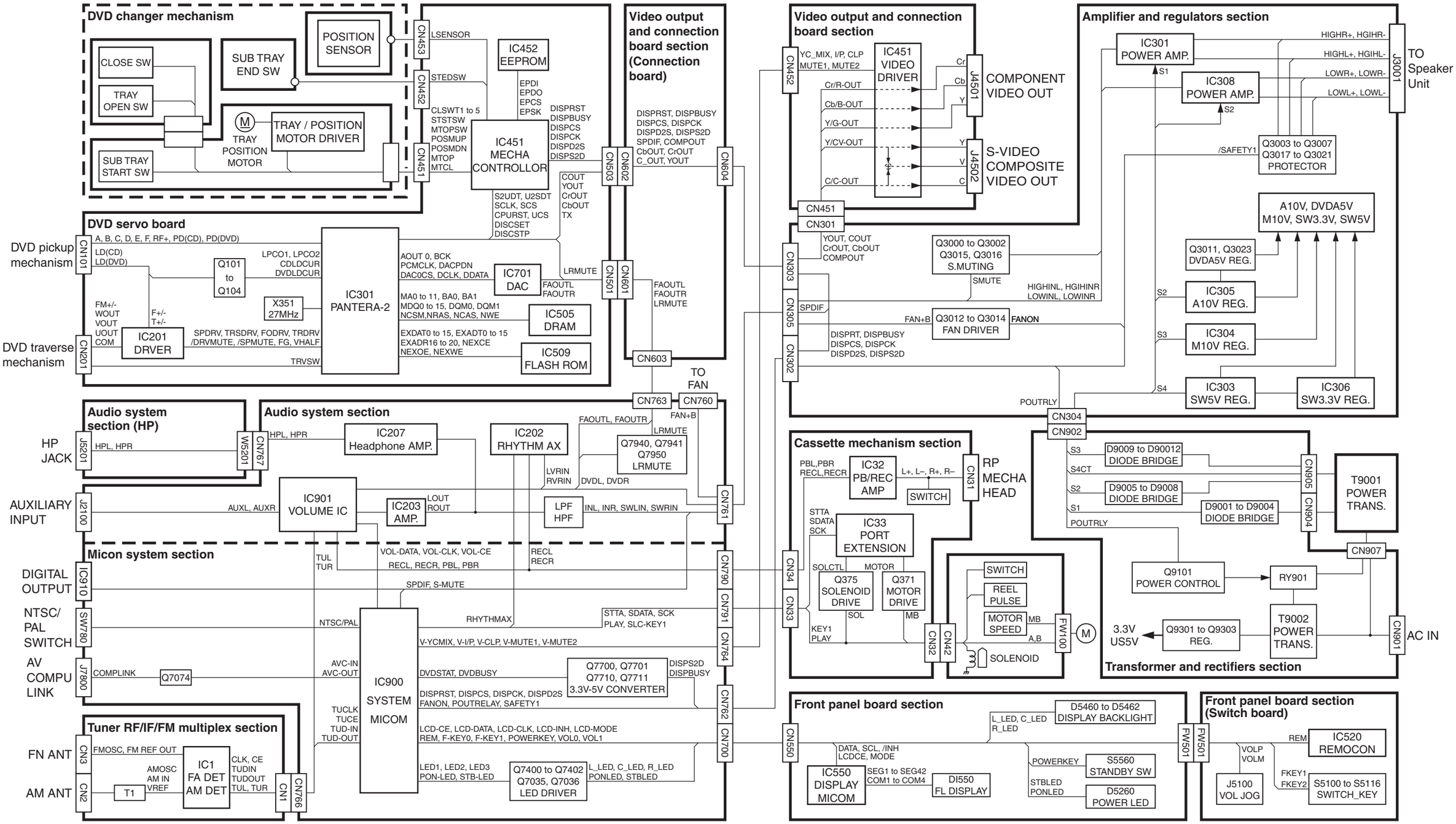
(Except US/UN)

Contents

No.MB230SCH
2004/5

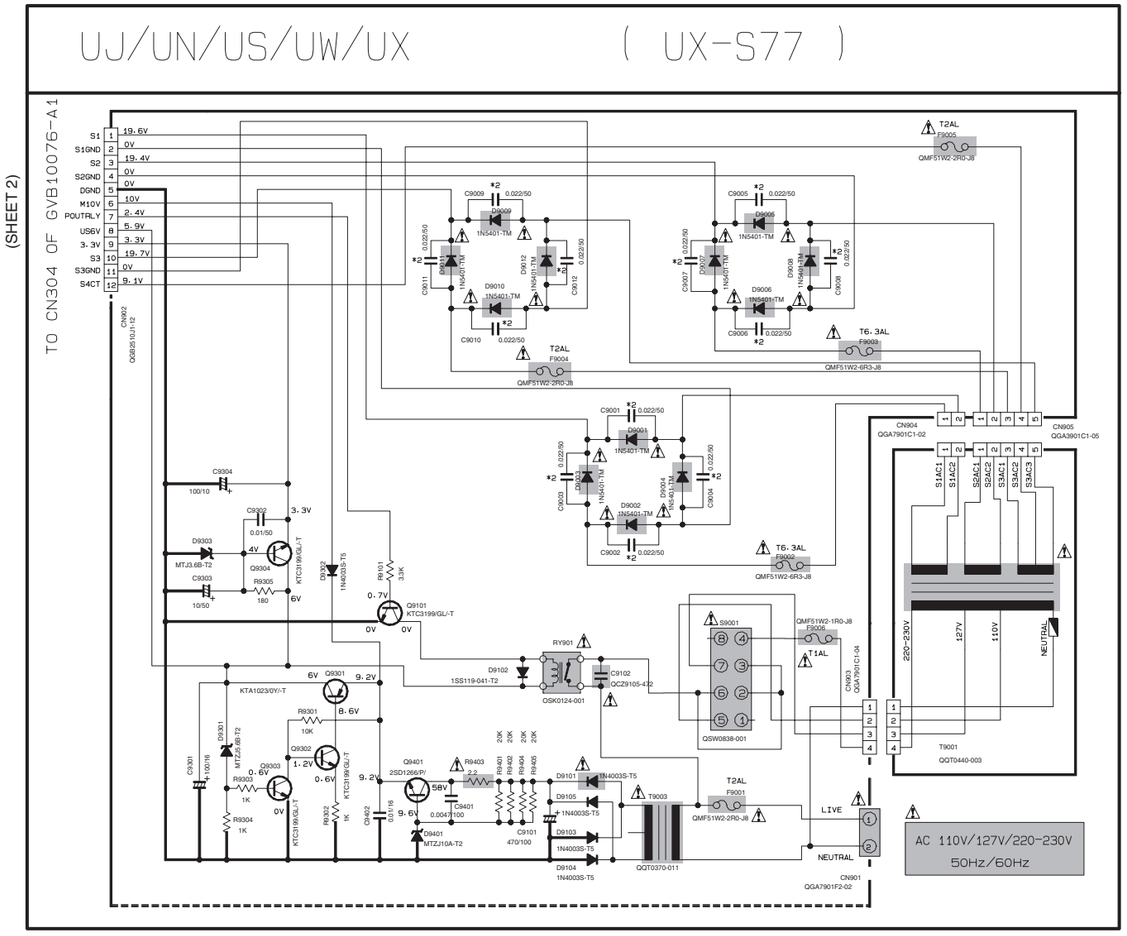
In regard with component parts appearing on the silk-screen printed side (parts side) of the PWB diagrams, the parts that are printed over with black such as the resistor (▬), diode (▬) and ICP (⬤) or identified by the "⚠" mark nearby are critical for safety.
(This regulation does not correspond to J and C version.)

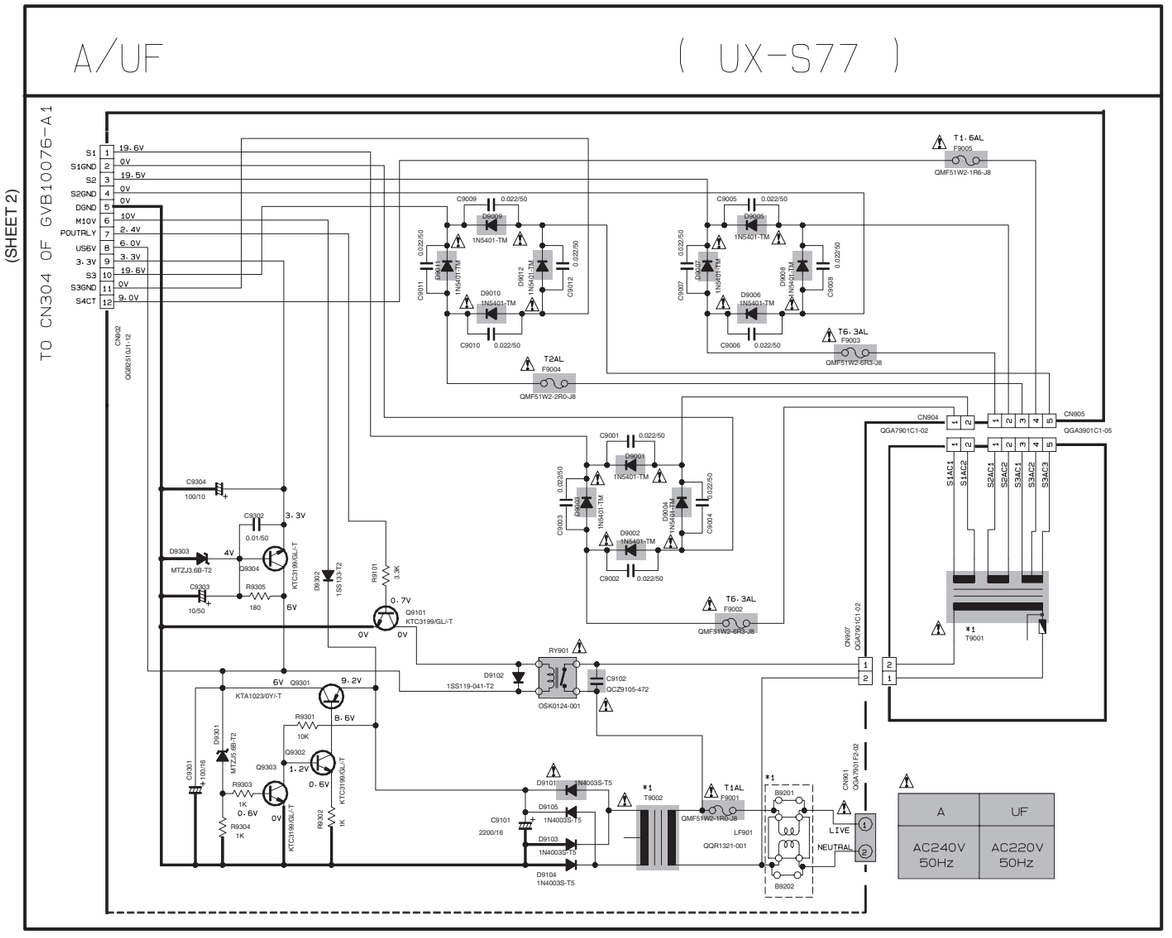
Block diagram



Standard schematic diagrams

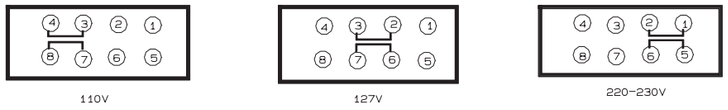
■ Transformer and rectifiers section





A	UF
AC240V 50Hz	AC220V 50Hz

VOLTAGE SELECTOR LOCATION



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

GVB10076-A2

SHEET NUMBER	CIRCUITS DESCRIPTION
1	TRANSFORMER AND RECTIFIERS
2	AMPLIFIER AND REGULATORS
3	MICON SYSTEM
4	AUDIO SYSTEM
5	FRONT PANEL BOARD
6	VIDEO OUTPUT AND CONNECTION BOARD
7	TAPE MECHANISM
8	DVD MODULE (1/2)
9	DVD MODULE (2/2)
10	TUNER RF/IF/FM MULTIPLEX (UJ/UN/US/UW/UX)
11	TUNER RF/IF/FM MULTIPLEX (A only)

VERSION CODES	
B	:U.K.
E	:CONTINENTAL EUROPE
EN	:NORDIC COUNTRIES
EV	:EASTERN EUROPE
EE	:RUSSIA
J	:U.S.A.
C	:CANADA
A	:AUSTRALIA
UF	:CHINA
UJ	:US ARMY
UN	:INDONESIA
US	:SINGAPORE
UW	:SOUTH AMERICA
UX	:ARAB SAUDI

NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL. CONDITION --- DVD 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.

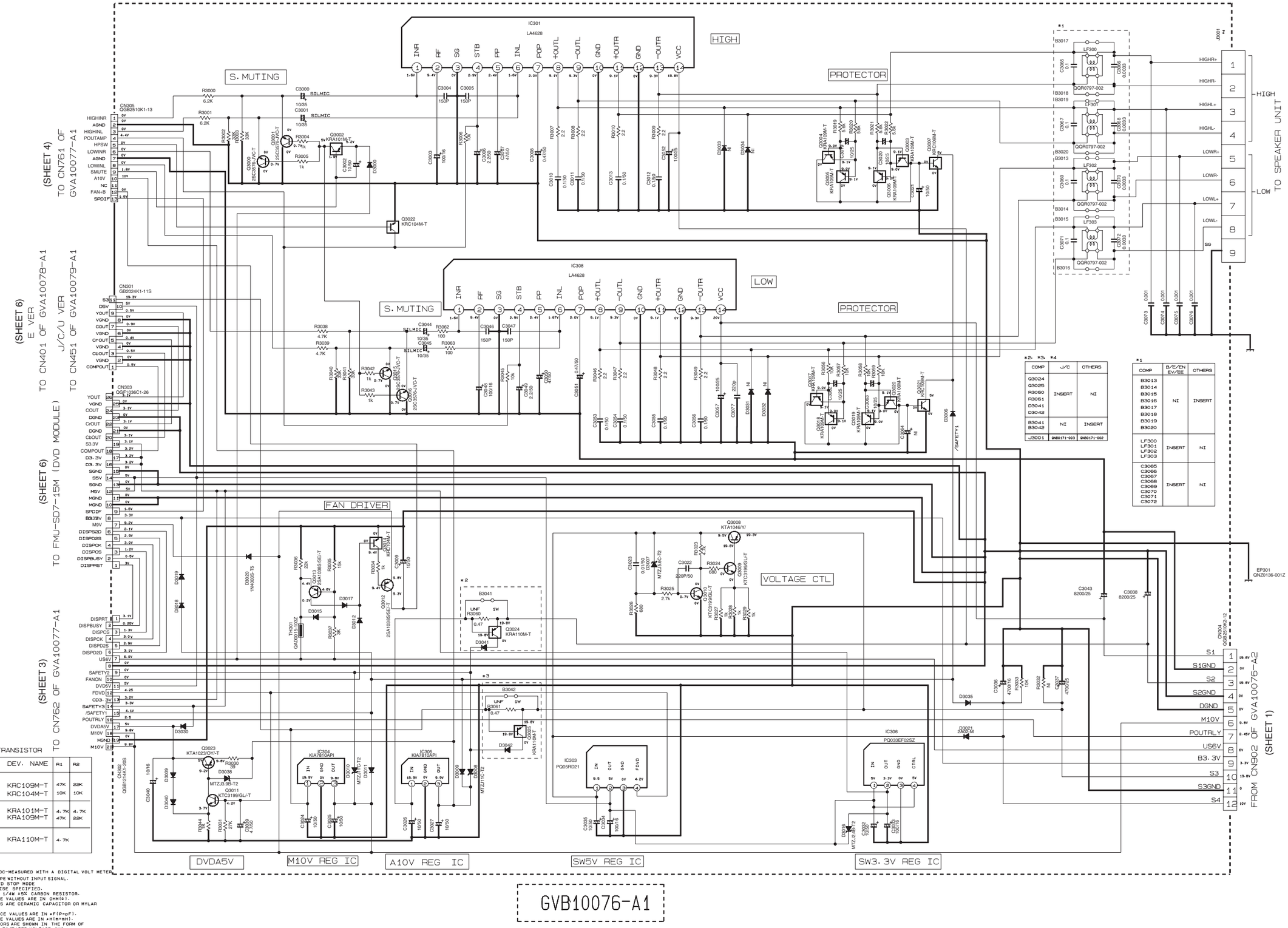
ALL RESISTANCE VALUES ARE IN OHM(Ω).
ALL CAPACITANCE VALUES ARE IN μF(P=pF).
ALL E.CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(μF)/RATED VOLTAGE (V).
ALL INDUCTANCE VALUES ARE IN μH(m=mH).
ALL DIODES ARE 1SS119-041-T2
ALL FERRITE BEADS ARE QGR0621-001Z

*

COMP.	B/E/EN/EV	A	UF
T9001	QQT0440-002	QQT0440-004	QQT0440-005
T9002	QQT0253-002	QQT0253-002	QQT0253-003
LF901	QQR1321-001	NI	NI
B9201	NI	INSERT	INSERT
B9202	NI	INSERT	INSERT

SHEET 1

■ Amplifier and regulators section



DIGITAL TRANSISTOR

CONST.	DEV. NAME	R1	R2
R1 R2	KRC109M-T	47K	22K
	KRC104M-T	10K	10K
R1 R2	KRA101M-T	4.7K	4.7K
	KRA109M-T	47K	22K
R1	KRA110M-T	4.7K	

NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL. CONDITION- DVD STOP MODE
2. UNLESS OTHERWISE SPECIFIED. RESISTORS ARE 1/4W ±5% CARBON RESISTOR. ALL RESISTANCE VALUES ARE IN OHM(Ω). ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR. ALL CAPACITANCE VALUES ARE IN ✱F(P=pF). ALL INDUCTANCE VALUES ARE IN ✱H(m=mH). ALL E-CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(✱F)/RATED VOLTAGE (V). ALL DIODE USE 1SS119-041-T2.

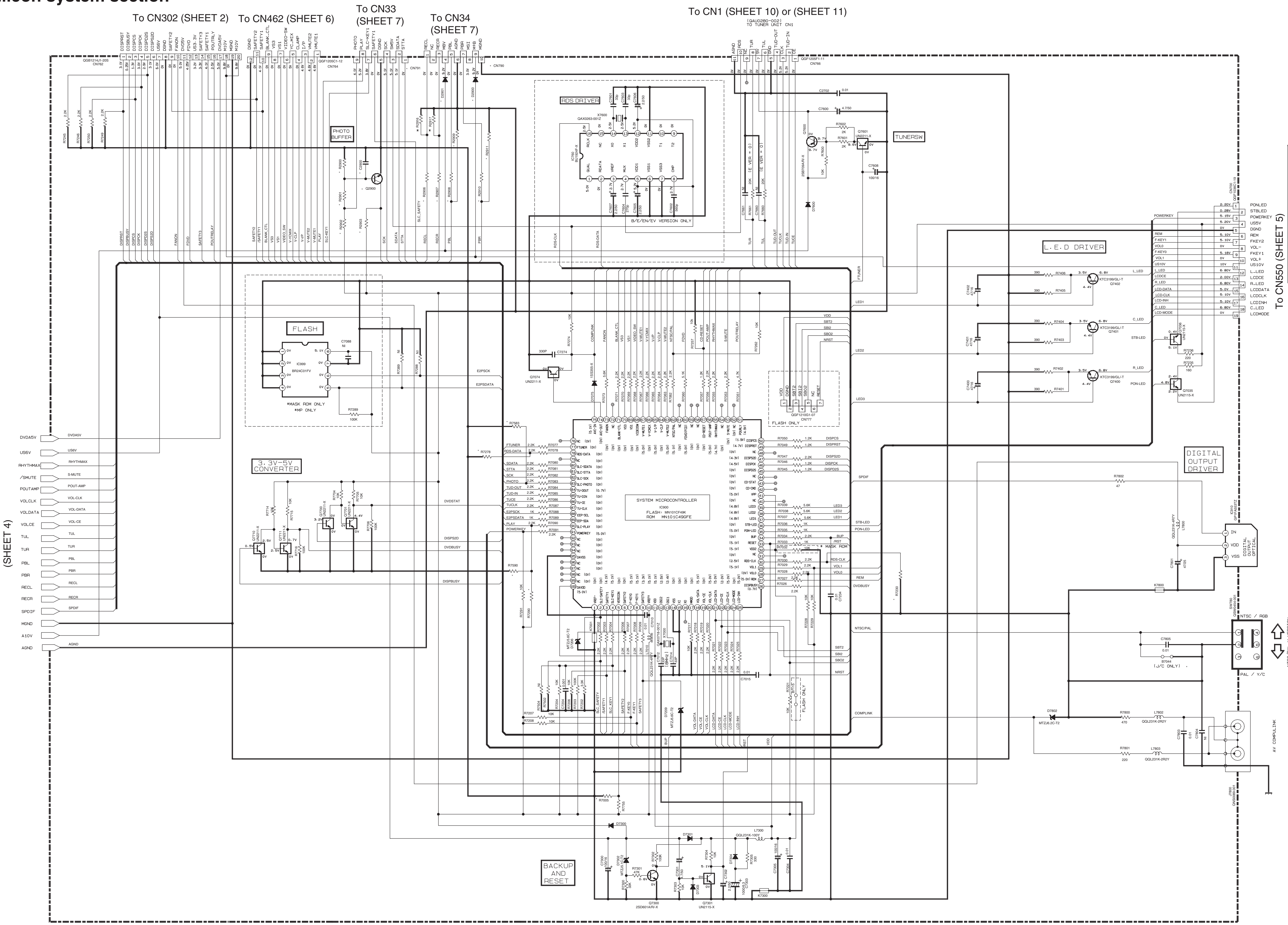
✱2. ✱3. ✱4

COMP	J/C	OTHERS
Q3024		
Q3025		
R3050	INSERT	NI
R3051		
D3041		
D3042		
B3041	NI	INSERT
B3042		
J3001	QNB0171-003	QNB0171-002

✱1

COMP	B/E/EN EV/EE	OTHERS
B3013	NI	INSERT
B3014		
B3015		
B3016		
B3017		
B3018		
B3019		
B3020		
LF300 LF301 LF302 LF303	INSERT	NI
C3065 C3066 C3067 C3068 C3069 C3070 C3071 C3072	INSERT	NI

■ Micon system section



P/DOWN RESISTOR	VERSION
R7230 (10K) R7278 (10K)	J/C/UF/U SERIES
R7502 (10K) R7583 (10K) R7590 (10K)	J/C/UF/E SERIES

PART NO. FOR SLC CIRCUIT

	PART	VERSION
R7290	10K	A/UJ/UN/US/UW/UX
CN790	QGF1205F1-10	
CN791	QGF1205F1-09	
R2900	100K	
R2901	390K	
R2902	82K	
R2903	82K	
R2906	1K	
R2907	1K	
R2908	1K	
R2909	100K	
R2910	1K	
R2911	100K	
R2916	1.5K	
R2917	1.5K	
C2900	0.01	
Q2900	2CS2412K/R/-X	
D2900	1N4003S-T5	
D2901	1SS119-041-T2	

1/2

GVB10077-A1

VERSION CONTROL RESISTOR	J(J/C)	UF	UW	UX	US(US/UN/UJ)	A	E(B/E/EE/EN/EV)
R7005	10K	2K	4.7K	9.1K	20K	47K	–
R7755	–	10K	10K	10K	10K	10K	10K

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 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).
ALL DIODES ARE 1SS119-041-T2
ALL FERRITE BEADS ARE QQR0621-001Z

DIGITAL TRANSISTOR CONSTRUCTION

	R1	R2	
	10K	–	UN2115-X
	10K	10K	UN2211-X

SHEET 3

■ Audio system section

(SHEET 6)

AUXILIARY INPUT

VOLUME IC & HPF

LAMUTE

RHYTHM AX

LOW FREQUENCY

HIGH FREQUENCY

HEADPHONE AMP

(SHEET 3)

To CN305 (SHEET 2)

2/2

GVB10077-A1

DIGITAL TRANSISTOR CONSTRUCTION

	R1	R2	
	10K	10K	UN2111-X
	10K	-	UN2115-X
	R1	R2	
	10K	10K	UN2211-X

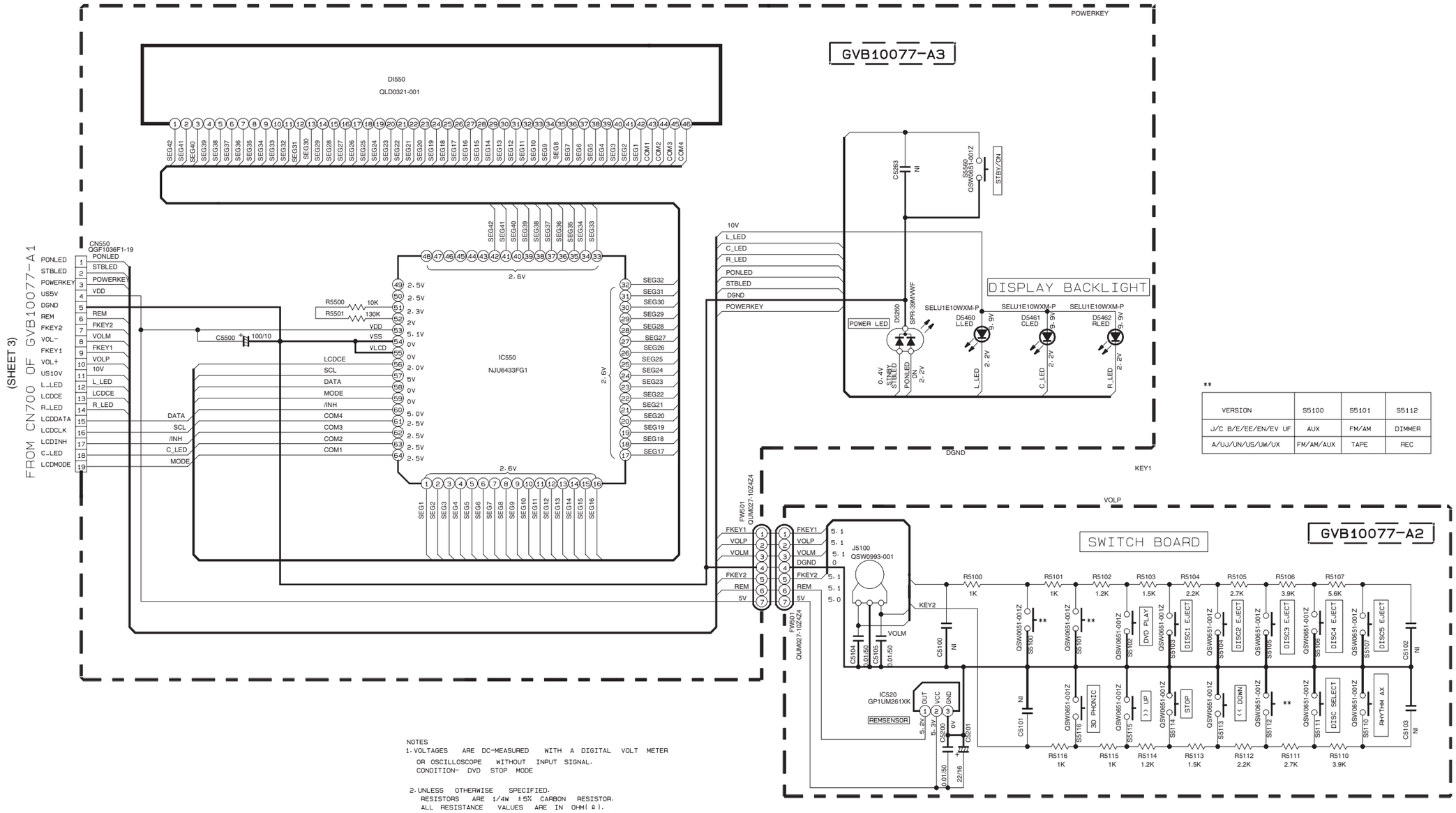
NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL. CONDITION ---- DVD 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 μF(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 QQR0621-001Z

SHEET 4

■ Front panel board section



**

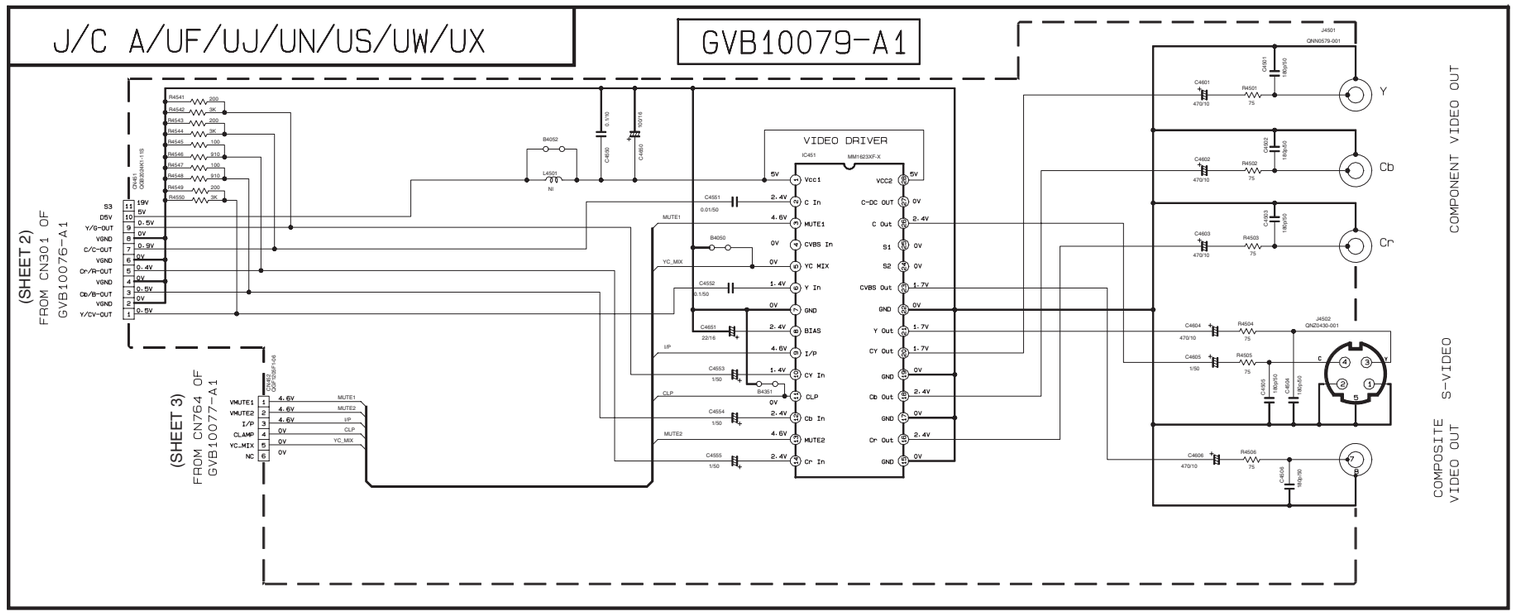
VERSION	S5100	S5101	S5112
J/C B/E/EE/EN/EV UF	AUX	FM/AM	DIMMER
A/UJ/UN/US/UW/UX	FM/AM/AUX	TAPE	REC

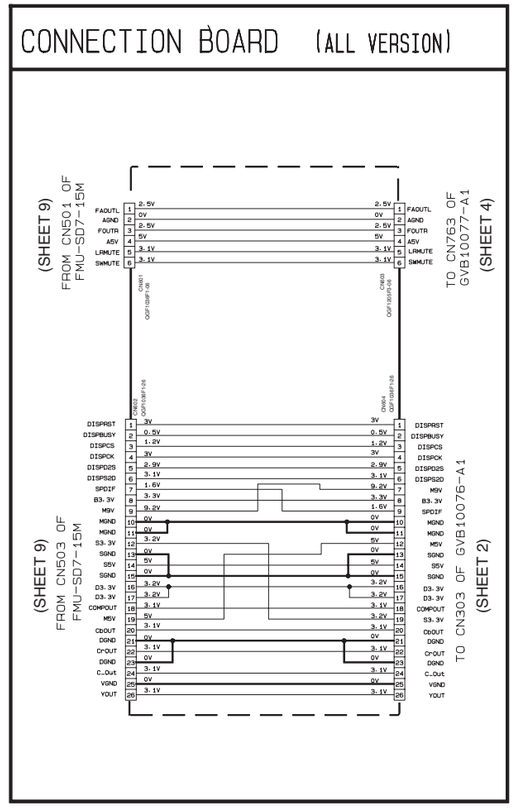
NOTES
1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL. CONDITION- DVD STOP MODE

2. UNLESS OTHERWISE SPECIFIED.
RESISTORS ARE 1/4W ±5% CARBON RESISTOR.
ALL RESISTANCE VALUES ARE IN OHM(Ω).
ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR.
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).

SHEET 5

■ Video output and connection board section





DIGITAL TRANSISTOR

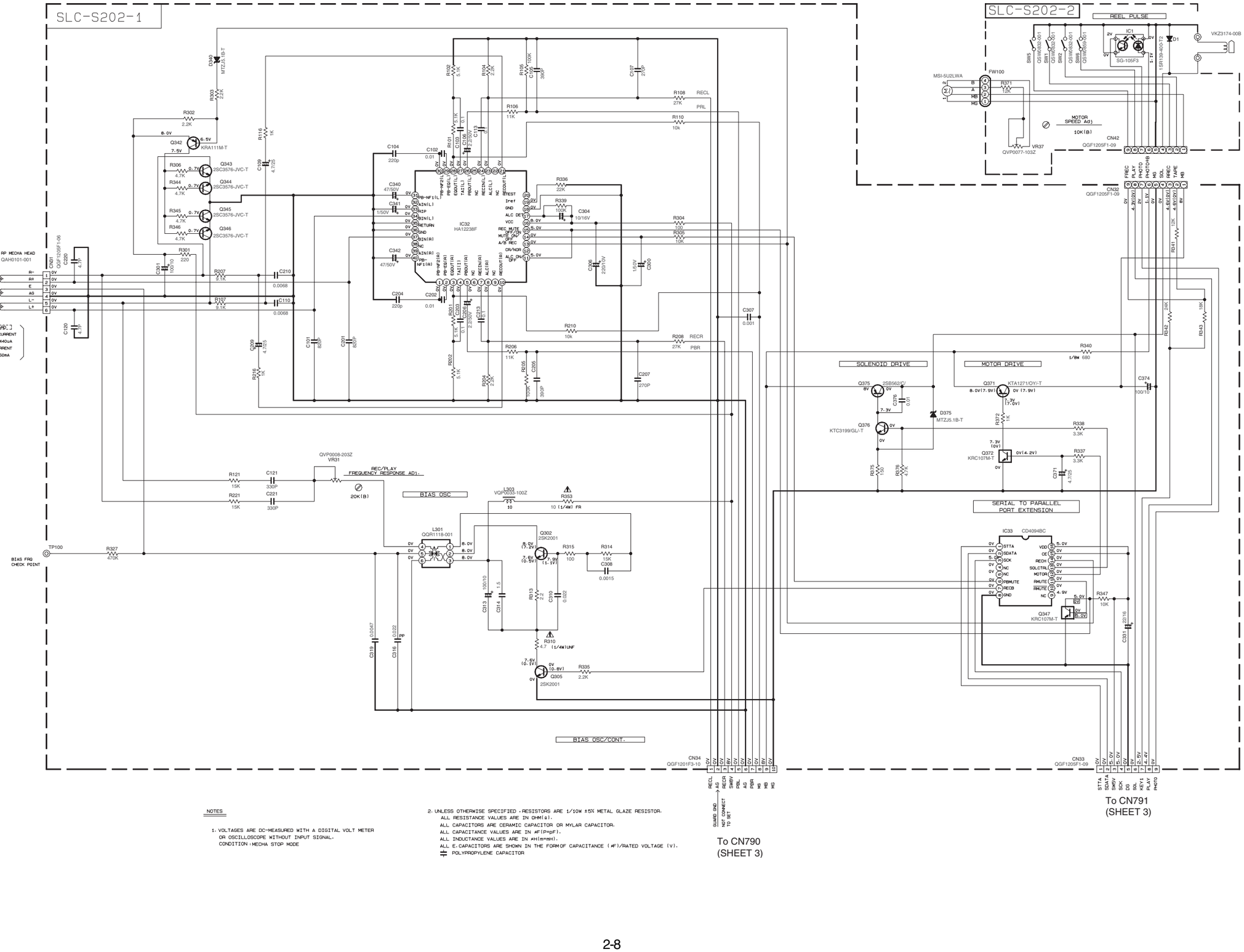
	R1	R2
KRC102M-T	10K	10K
KRA102M-T	10K	10K

NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL. CONDITION --- DVD 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 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).
ALL DIODES ARE 1SS119-041-T2
ALL FERRITE BEADS ARE GQR0621-001Z

■ Tape mechanism section



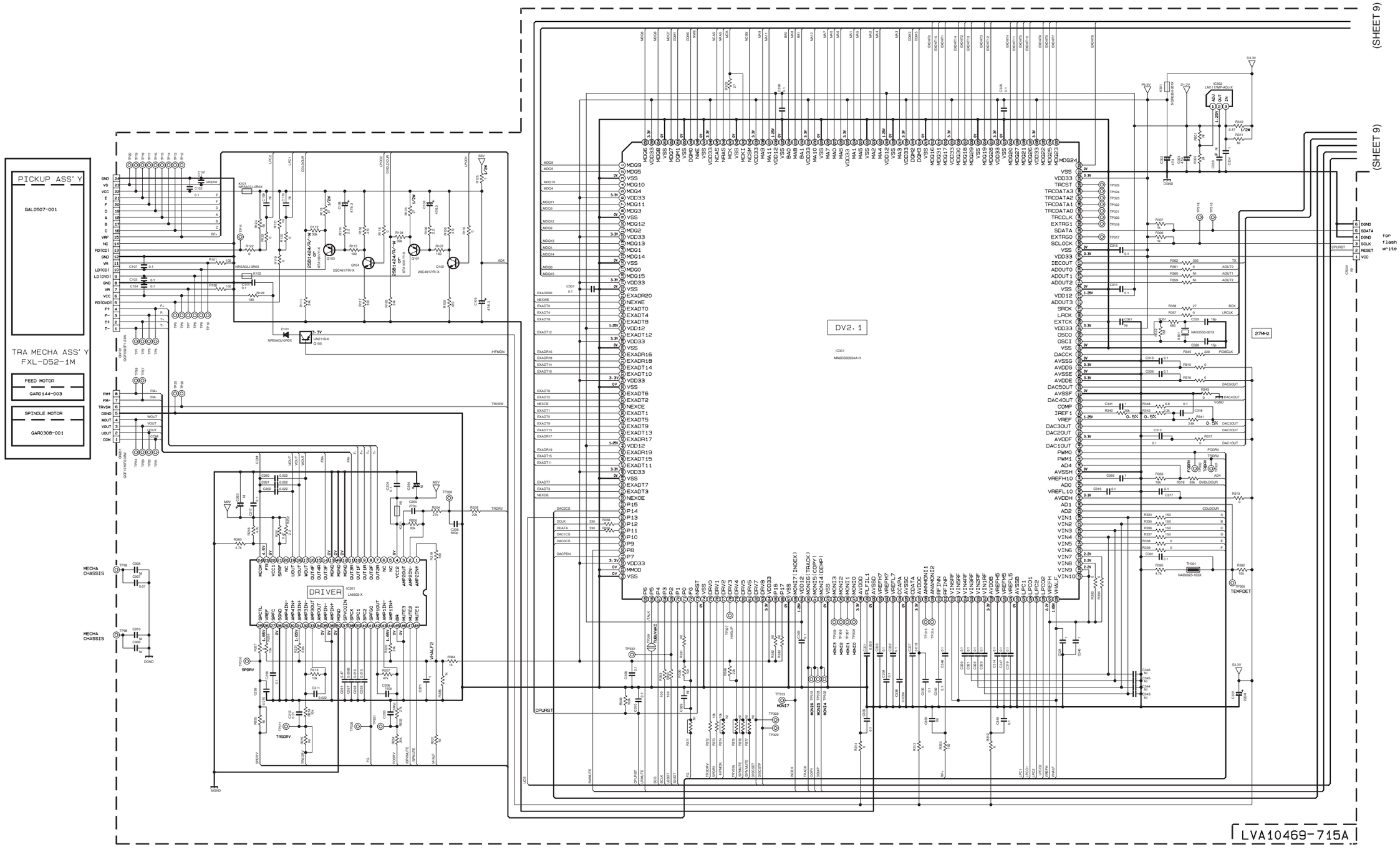
NOTES

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

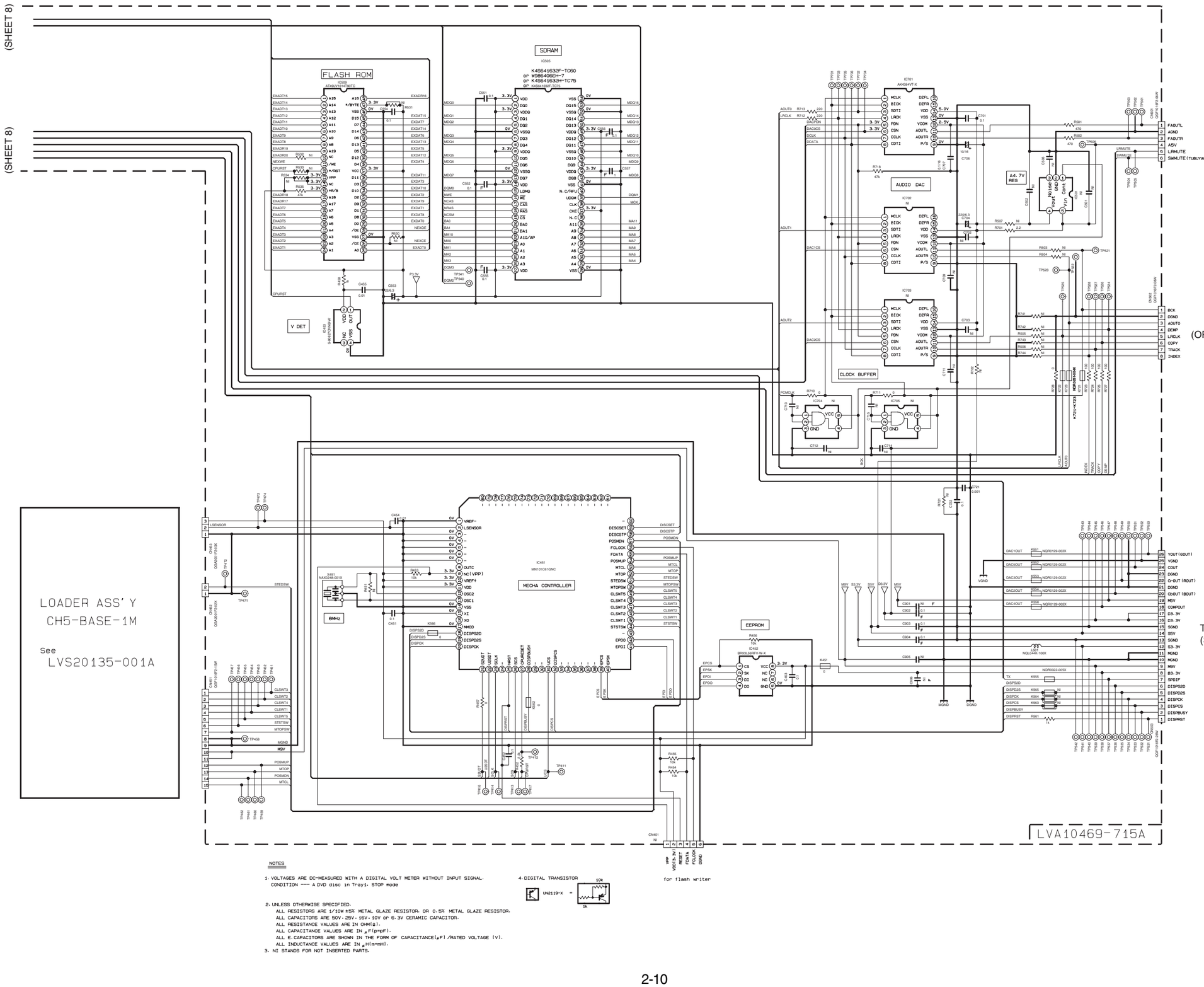
2. UNLESS OTHERWISE SPECIFIED · RESISTORS ARE 1/10W ±5% METAL GLAZE RESISTOR.
   ALL RESISTANCE VALUES ARE IN OHM(Ω).
   ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR.
   ALL CAPACITANCE VALUES ARE IN μF(P=pF).
   ALL INDUCTANCE VALUES ARE IN μH(m=mH).
   ALL E.CAPACITORS ARE SHOWN IN THE FORM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

SHEET 7

■ DVD module section (1/2)



■ DVD module section (2/2)



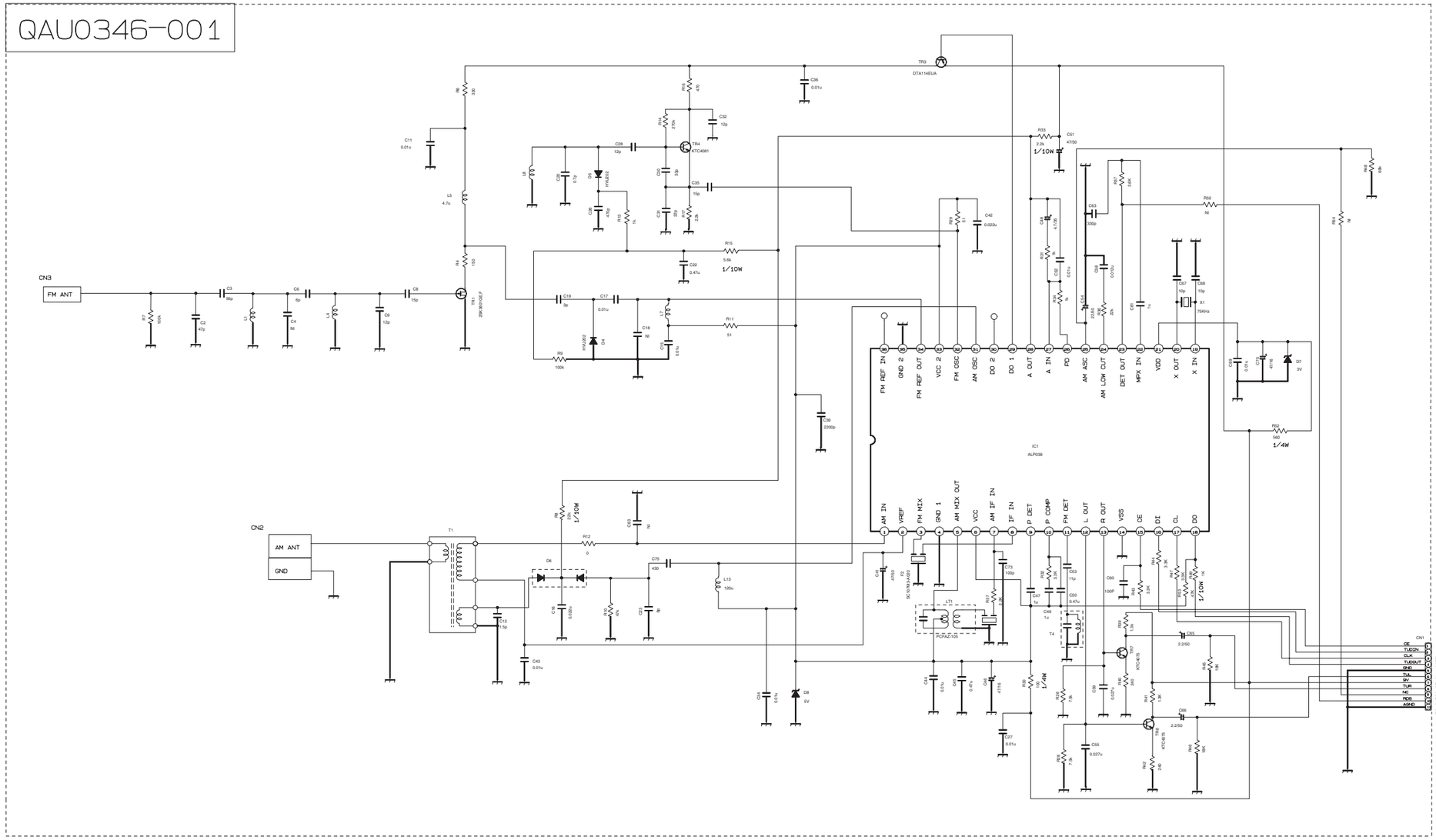
NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER WITHOUT INPUT SIGNAL.
   CONDITION ---- A DVD disc in Tray1. STOP mode

2. UNLESS OTHERWISE SPECIFIED.
   ALL RESISTORS ARE 1/10W ±5% METAL GLAZE RESISTOR. OR 0.5% METAL GLAZE RESISTOR.
   ALL CAPACITORS ARE 50V.25V.16V.10V or 6.3V 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

■ Tuner RF / IF / FM multiplex section (UJ/UN/US/UW/UX)

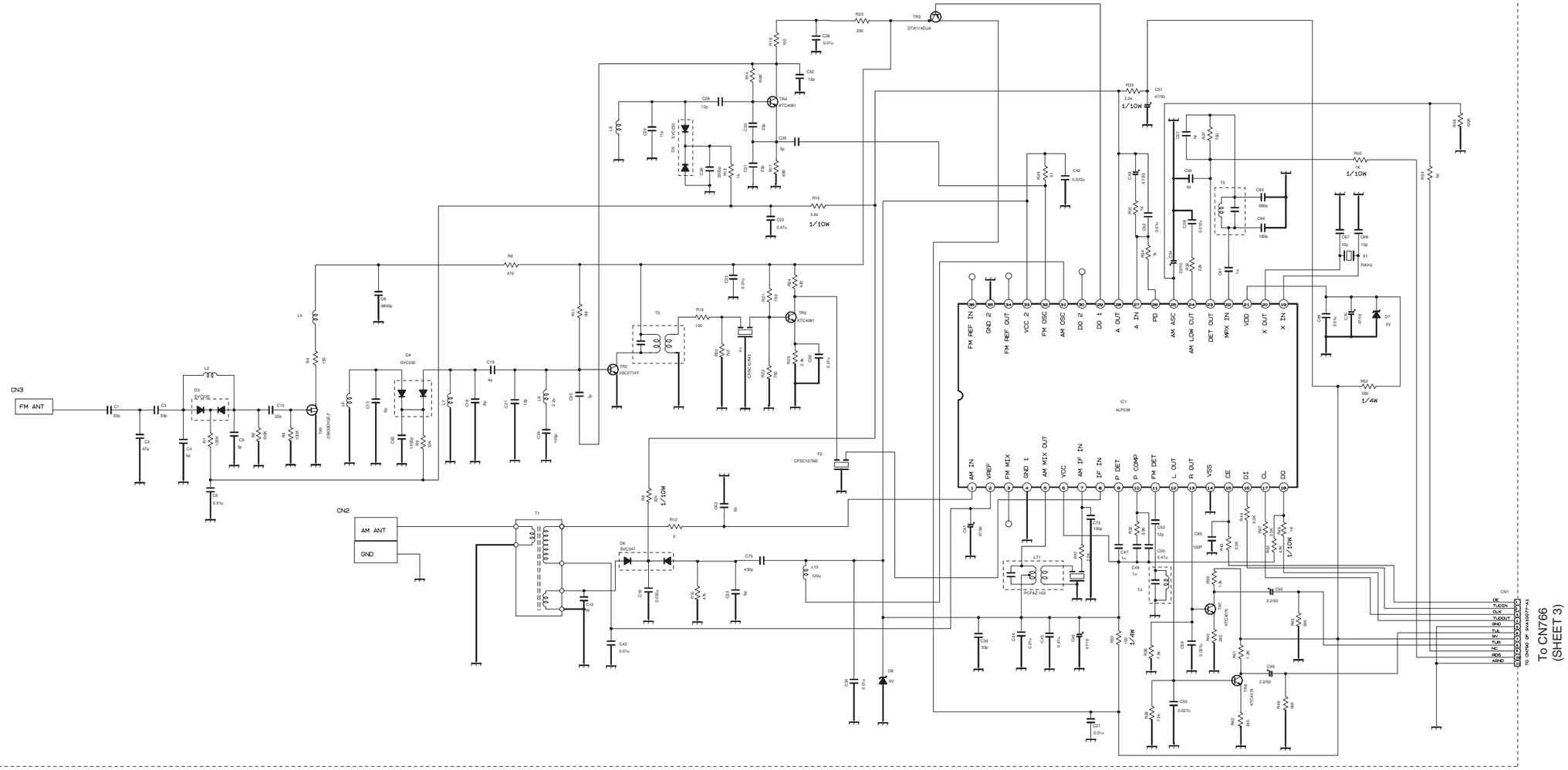


NOTES

1. UNLESS OTHERWISE SPECIFIED
   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).

■ Tuner RF / IF / FM multiplex section (A only)

QAU0347-001



NOTES

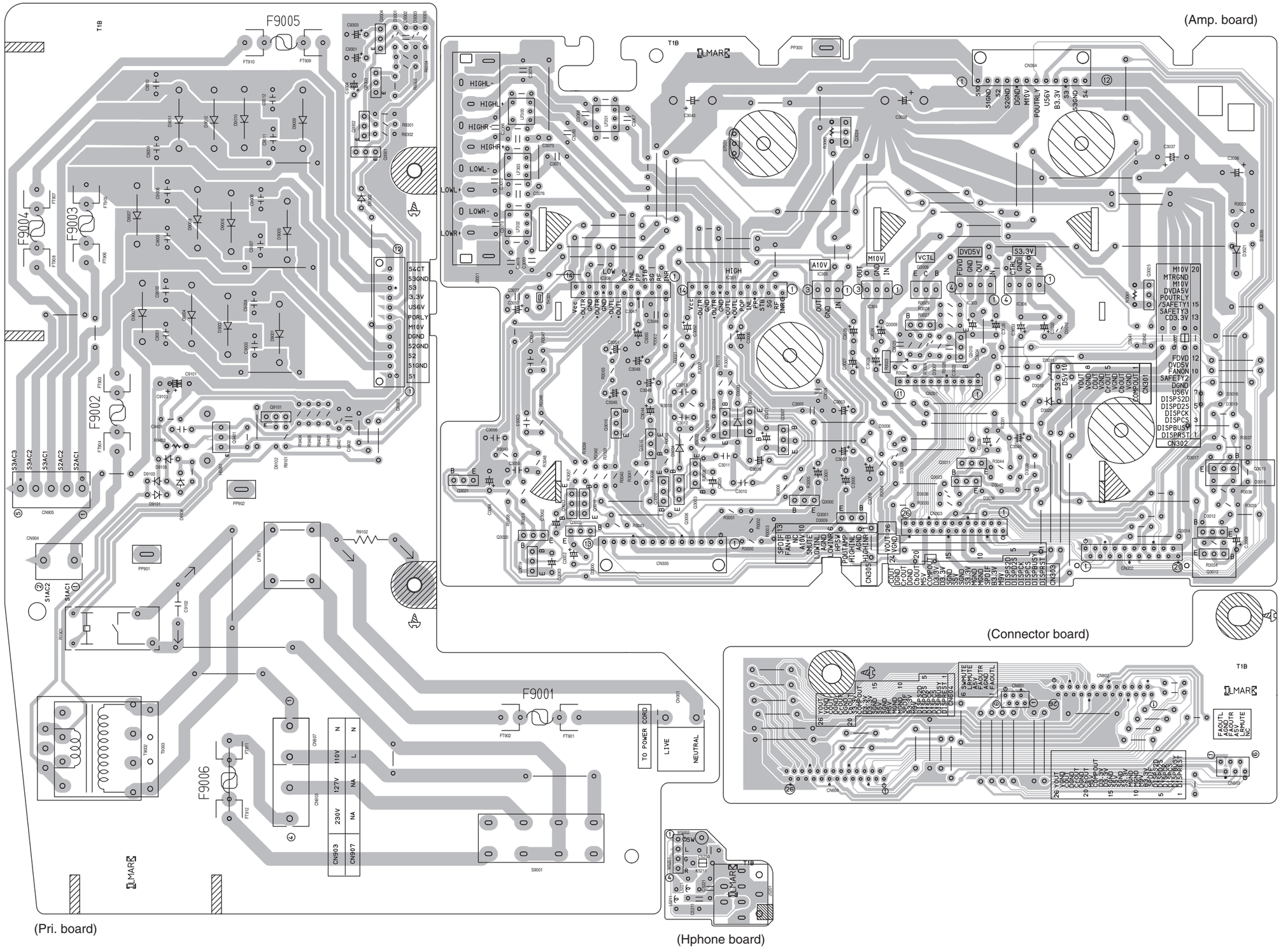
2. UNLESS OTHERWISE SPECIFIED

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).

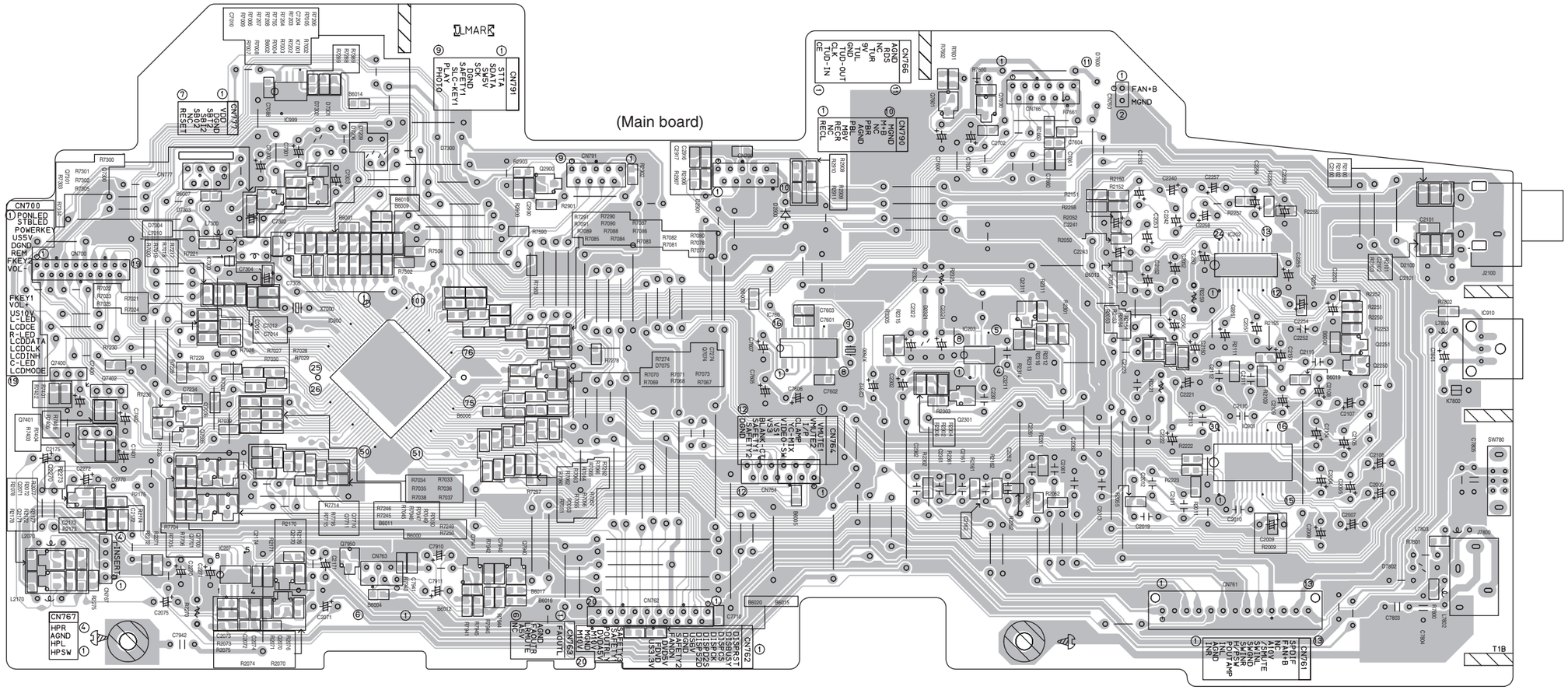
SHEET 11

Printed circuit boards

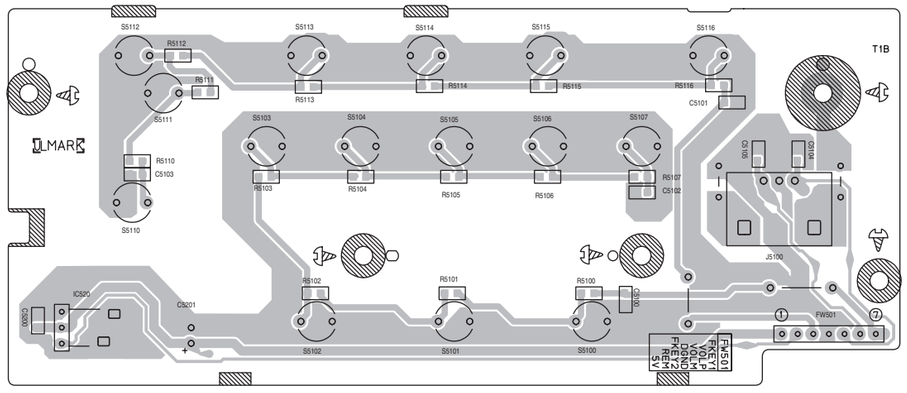
■ Main board



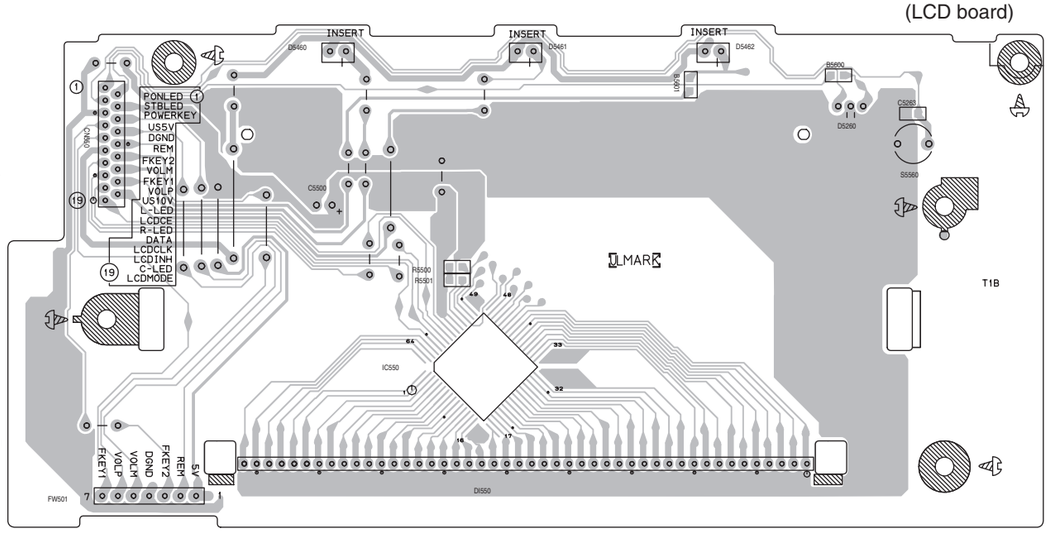
■ Micon board



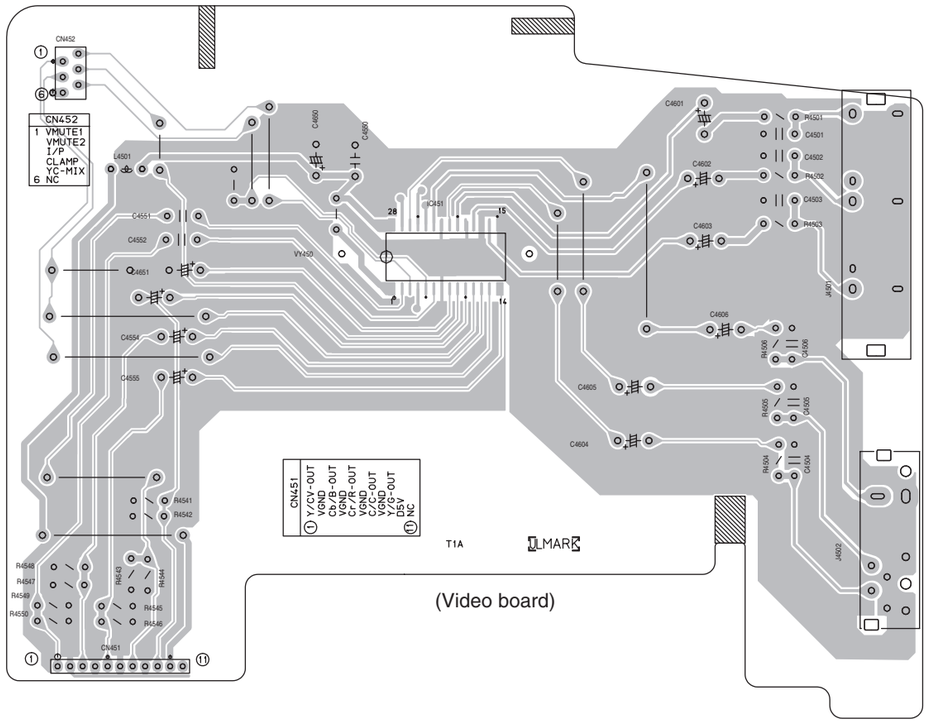
(Switch board)



(LCD board)



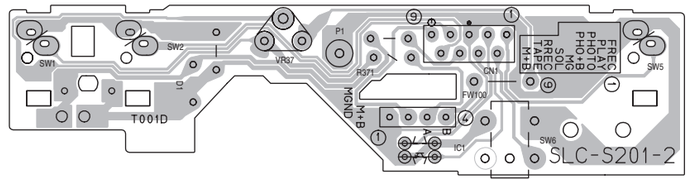
■ Video board



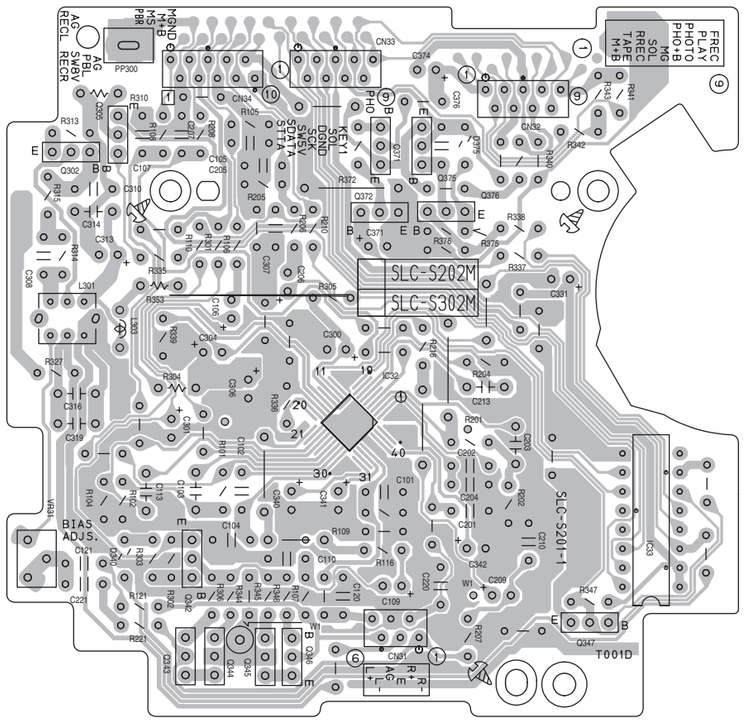
(Video board)

■ Cassette mechanism board

(Cassette loading board)

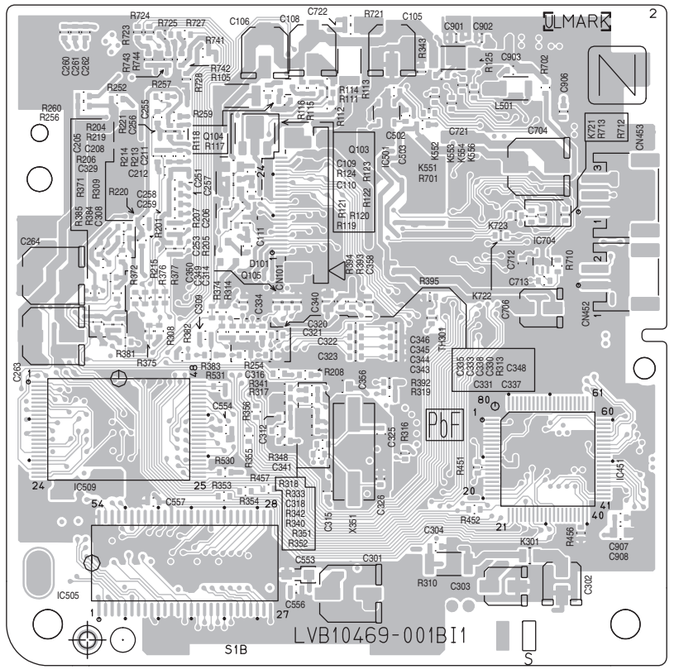


(Cassette control board)

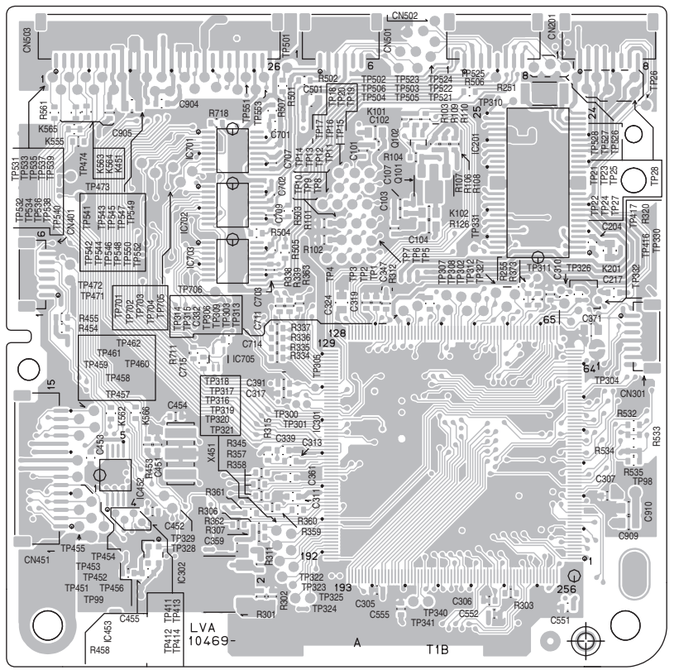


■ DVD servo board

Forward side

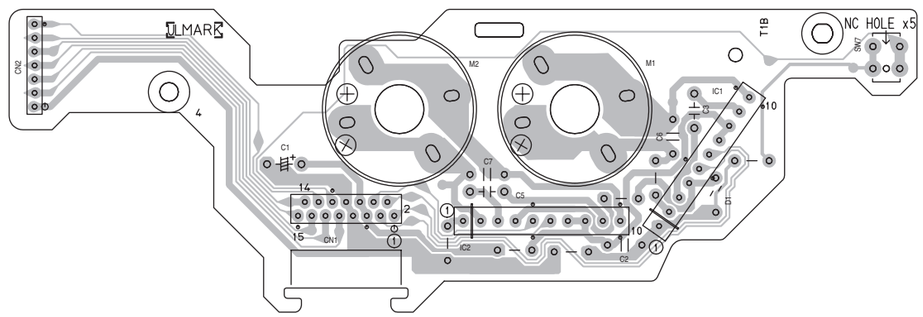


Reverse side

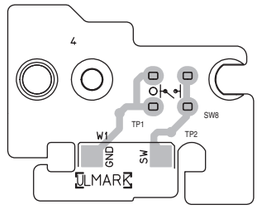


■ DVD switch board

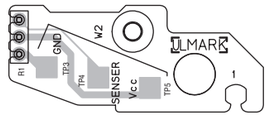
(Motor board)



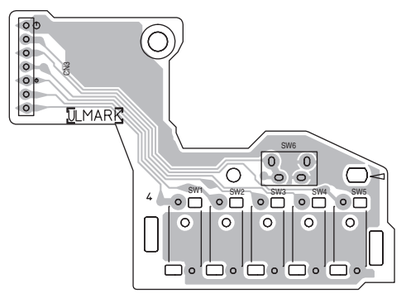
(Switch board)



(Sensor board)



(Tray switch board)



< MEMO >

JVC

Victor Company of Japan, Limited

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

(No.MB230SCH)

Printed in Japan
WPC

PARTS LIST

[UX-S77]

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

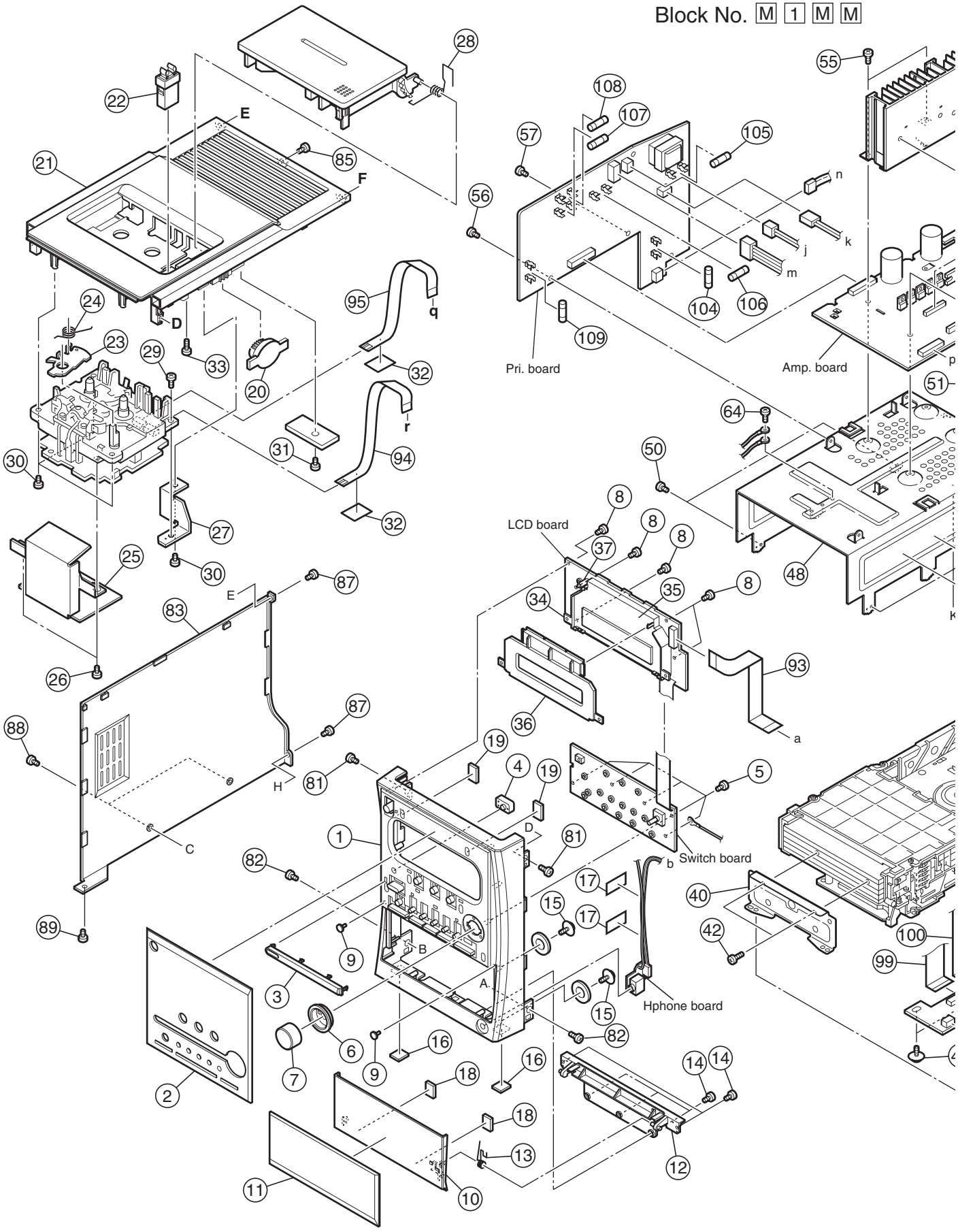
Area suffix

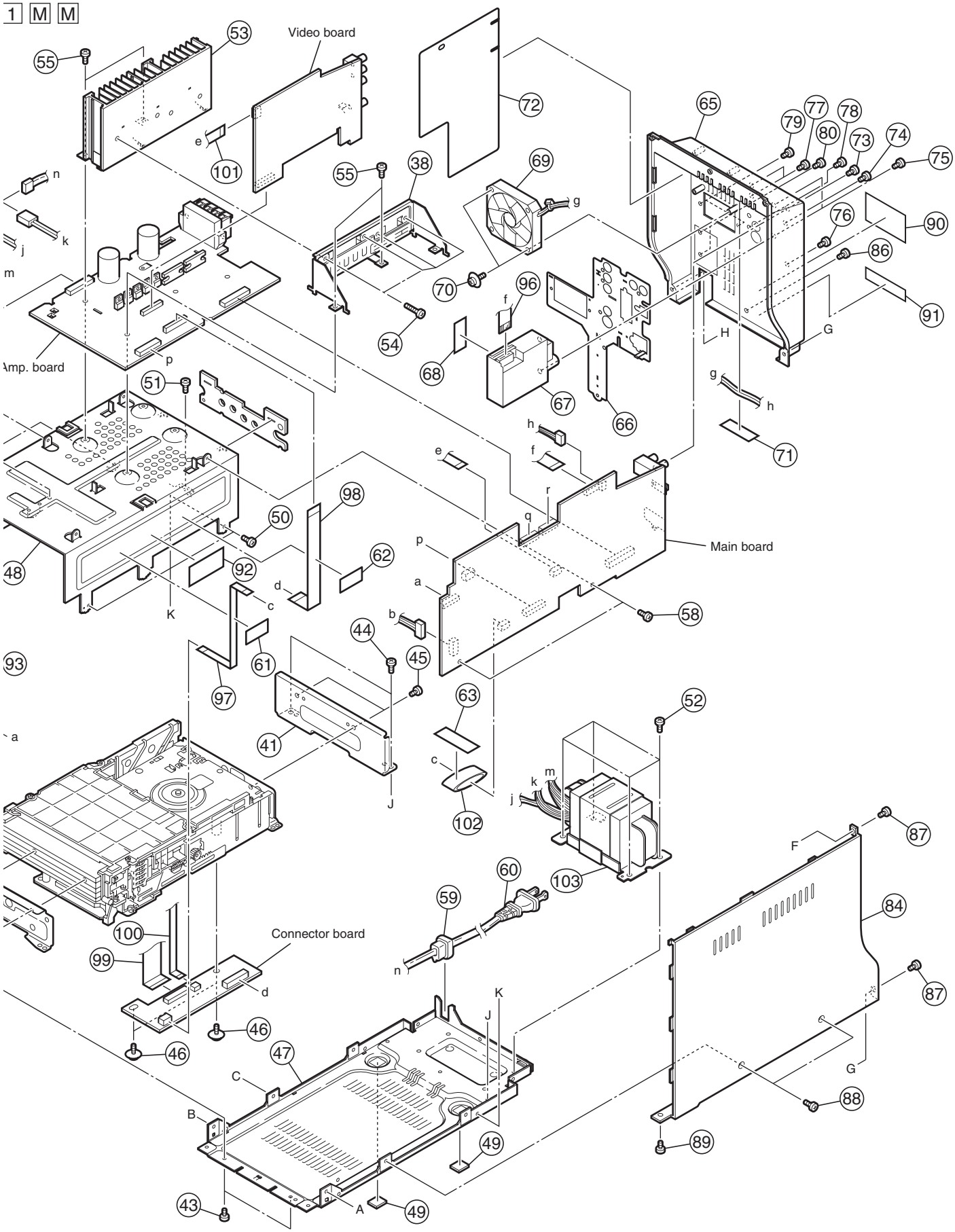
A ---------- Australia
US ---------- Singapore
UW ---------- Brazil,Mexico,Peru
UX ---------- Saudi Arabia
UJ ---------- U.S.Military
UN ----------Asean

- Contents -

Exploded view of general assembly and parts list

Block No. M 1 M M




1 M M
Video board
Amp. board
Main board
Connector board

General Assembly

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

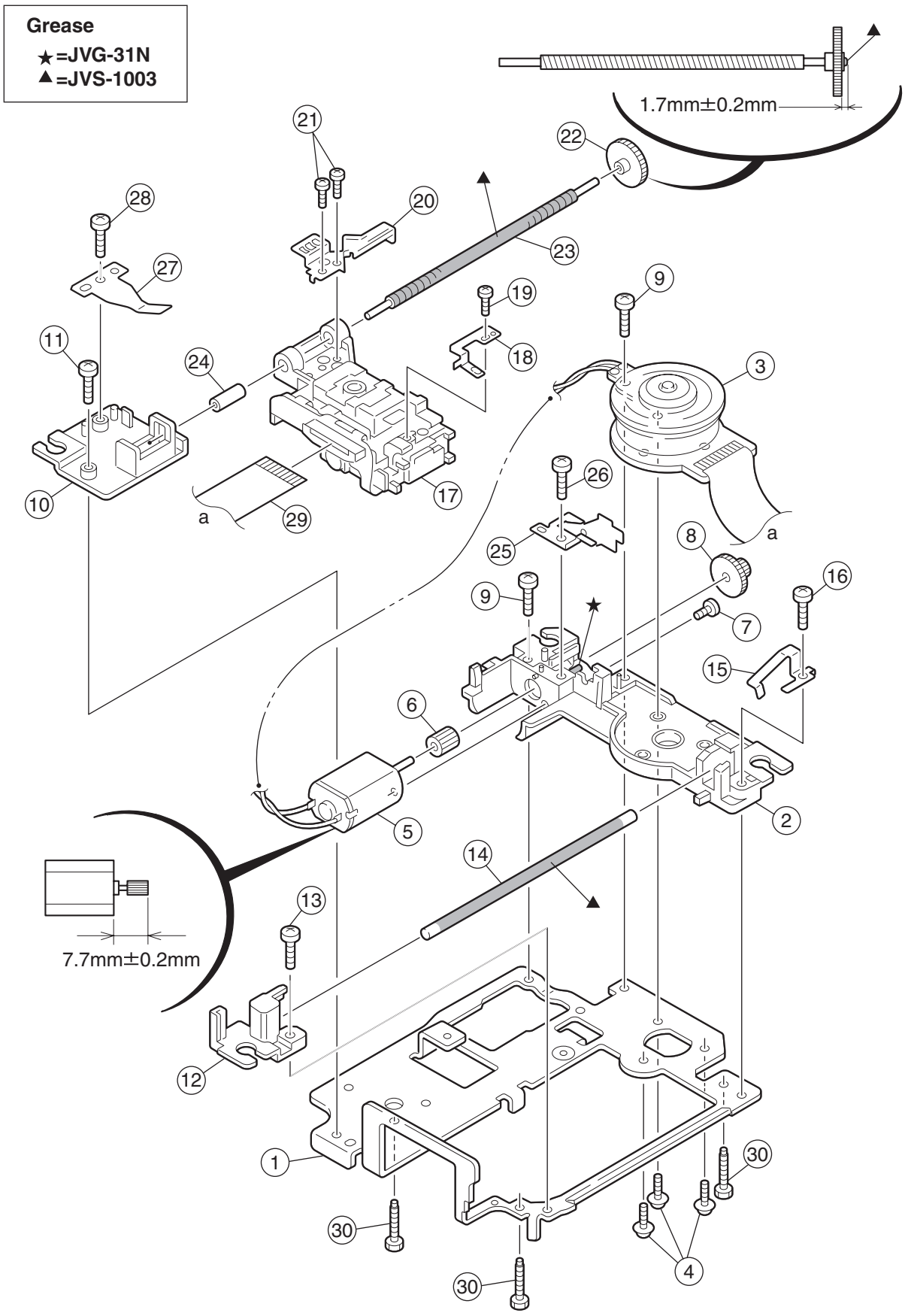
⚠	Symbol No.	Part No.	Part Name	Description	Local
	1	GV10171-009A	FRONT PANEL		
	2	GV20258-010A	FRONT LENS		
	3	GV30595-001A	ORNAMENT		
	4	GV40467-001A	REMOTE LENS		
	5	QYSBSF2608Z	TAPPING SCREW	2.6mm x 8mm(x5)	
	6	GV30527-001A	VOLUME ORNAMENT		
	7	GV30443-002A	VOLUME KNOB		
	8	QYSBSF2608Z	TAPPING SCREW	2.6mm x 8mm(x5)	
	9	E69897-002	CUSHION	(x2)	
	10	GV30525-003A	CD DOOR		
	11	GV30526-005A	CD DOOR LENS		
	12	GV30551-001A	CD DOOR HOLDER		
	13	GV40466-001A	DOOR SPRING		
	14	QYSBSF2608Z	TAPPING SCREW	2.6mm x 8mm(x5)	
	15	GV40035-001A	SPECIAL SCREW	(x2)	
	16	GV40313-002A	FELT SPACER	(x2)	
	17	GV30349-001A	SPACER	(x2)	
	18	GV30349-031A	SPACER	(x2)	
	19	GV30349-031A	SPACER	(x2)	
	20	GV40034-001A	DAMPER ASSY.		
	21	GV20287-002A	TOP COVER ASSY		
	22	GV40220-001A	LACH		
	23	VKL7850-002	EJECT SAFTY(R)		
	24	VKW5258-003	TORSION SPRING		
	25	GV30071-001A	HEAD SHIELD		
	26	QYSBSF2608Z	TAPPING SCREW	2.6mm x 8mm(x2)	
	27	GV40229-001A	SUPPORT BRACKET		
	28	GV40506-001A	DOOR SPRING		
	29	QYSBST3008Z	TH TAP SCREW	3mm x 8mm	
	30	QYSBSF3010Z	TAP SCREW	3mm x 10mm(x4)	
	31	QYSBSF3010Z	TAP SCREW	3mm x 10mm	
	32	GV30349-004A	SPACER	(x2)	
	33	E65923-003	TAPPING SCREW		
	34	GV20273-001A	LCD HOLDER		
	35	GV30574-001A	LCD LENS		
	36	GV30575-001A	COVER LENS		
	37	GV40429-001A	LED HOLDER		
	38	GV30553-002A	IC HOLDER		
	40	GV30552-001A	CD BRACKET(F)		
	41	GV30447-001A	CD BRACKET(R)		
	42	QYSDST3006Z	TAP SCREW	3mm x 6mm(x2)	
	43	QYSDST3006Z	TAP SCREW	3mm x 6mm(x2)	
	44	QYSBST4006Z	SCREW	4mm x 6mm(x2)	
	45	QYSBST3004Z	SCREW	3mm x 4mm(x2)	
	46	GV40035-001A	SPECIAL SCREW	(x2)	
	47	GV10173-001A	BOTTOM CHASSIS		
	48	GV10172-001A	MAIN CHASSIS		
	49	GV40313-002A	FELT SPACER	(x2)	
	50	QYSSST3006Z	SCREW	3mm x 6mm(x4)	
	51	QYSBST3006Z	TAPPING SCREW	3mm x 6mm	
	52	QYSBST4006Z	SCREW	4mm x 6mm(x4)	
	53	GV30554-001A	HEAT SINK		
	54	QYSBSG3012Z	TAP SCREW	M3 x 12mm(x4)	
	55	QYSBST3006Z	TAPPING SCREW	3mm x 6mm(x4)	
	56	QYSBST3006Z	TAPPING SCREW	3mm x 6mm	
	57	QYSBSGG3008E	TAPPING SCREW	3mm x 8mm	
	58	QYSBST3006Z	TAPPING SCREW	3mm x 6mm(x2)	
⚠	59	QZW0033-001	STRAIN RELIEF		
⚠	60	QMPG150-244-JC	POWER CORD(AST)	2.44m BLACK	S77A
⚠	60	QMPK200-200-JD	POWER CORD(EU)	2m BLACK	S77UJ,S77UN,S77US,S77UW
⚠	60	QMPR270-200-JD	POWER CORD(EU)	2m BLACK	S77UX
	61	GV40242-004A	COMMON SPACER		
	62	GV40242-004A	COMMON SPACER		
	63	GV40242-004A	COMMON SPACER		
	64	QYSBST3004Z	SCREW	3mm x 4mm	
	65	GV10186-007A	REAR COVER		S77A
	65	GV10186-011A	REAR COVER		S77UJ
	65	GV10186-008A	REAR COVER		S77UN,S77US
	65	GV10186-012A	REAR COVER		S77UW
	65	GV10186-010A	REAR COVER		S77UX
	66	GV30567-003A	EARTH PLATE		
	67	QAU0347-001	TUNER	TU 1	S77A
	67	QAU0346-001	TUNER	TU 1	S77UJ,S77UN,S77US,S77UW,S77UX
	68	GV40242-004A	COMMON SPACER		

⚠	Symbol No.	Part No.	Part Name	Description	Local
	69	QAR0328-001	FAN MOTOR		
	70	GV40133-001A	SPECIAL SCREW	(x2)	
	71	GV30349-010A	SPACER		
	72	GV30596-001A	PROTECT SHEET		
	73	QYSBSG3008M	TAPPING SCREW	3mm x 8mm	
	74	QYSBSG3008M	TAPPING SCREW	3mm x 8mm	
	75	QYSBSG3008M	TAPPING SCREW	3mm x 8mm(x2)	
	76	QYSBSG3008M	TAPPING SCREW	3mm x 8mm	
	77	QYSBSG3008M	TAPPING SCREW	3mm x 8mm(x2)	
	78	QYSBSG3008M	TAPPING SCREW	3mm x 8mm	
	79	QYSBSG3008M	TAPPING SCREW	3mm x 8mm(x2)	
	80	QYSBSG3008M	TAPPING SCREW	3mm x 8mm(x2)	S77UJ,S77UN,S77US,S77UW,S77UX
	81	QYSSSF3008Z	SCREW	3mm x 8mm(x2)	
	82	QYSSST3006Z	SCREW	3mm x 6mm(x2)	
	83	GV10184-003A	SIDE COVER L		
	84	GV10185-003A	SIDE COVER R		
	85	QYSBSG3008M	TAPPING SCREW	3mm x 8mm	
	86	QYSBSG3008M	TAPPING SCREW	3mm x 8mm	
	87	QYSDSG3010M	TAP SCREW	M3 x 10mm(x4)	
	88	QYSDSG3006N	TAP SCREW	M3 x 6mm(x4)	
	89	QYSSST3010Z	TAP SCREW	M3 x 10mm(x2)	
	90	GV30598-013A	RATING LABEL		S77A
	90	GV30598-014A	RATING LABEL		S77UJ,S77UN,S77US,S77UW,S77UX
	91	GV40526-001A	CAUTION LABEL		
	92	LV42035-002A	LASER CAUTION		
	93	QUQH10-1910AJ	FFC CABLE		
	94	QUQH12-1022BJ	FFC WIRE		
	95	QUQH12-0919AJ	FFC CABLE		
	96	QUQH12-1113AJ	CARD WIRE	FC 1	
	97	QUQH12-0616AJ	FFC CABLE		
	98	QUQH10-2615BJ	FFC CABLE		
	99	QUQH10-2607BJ	FFC CABLE		
	100	QUQH10-0607BJ	FFC CABLE		
	101	QUQH12-0612AJ	FFC CABLE		
	102	QQR1259-002	FERRITE CORE	FB 651	
⚠	103	QQT0440-004	POWER TRANSF	T 9001	S77A
⚠	103	QQT0440-003	POWER TRANSF	T 9001	S77UJ,S77UN,S77US,S77UW,S77UX
⚠	104	QMF51W2-1R0-J8	FUSE	F 9001 1A AC250V	S77A
⚠	104	QMF51W2-2R0-J8	FUSE	F 9001 2A AC250V	S77UJ,S77UN,S77US,S77UW,S77UX
⚠	105	QMF51W2-1R0-J8	FUSE	F 9006 1A AC250V	S77UJ,S77UN,S77US,S77UW,S77UX
⚠	106	QMF51W2-6R3-J8	FUSE	F 9002 6.3A AC250V	
⚠	107	QMF51W2-6R3-J8	FUSE	F 9003 6.3A AC250V	
⚠	108	QMF51W2-2R0-J8	FUSE	F 9004 2A AC250V	
⚠	109	QMF51W2-1R6-J8	FUSE	F 9005 1.6A AC250V	S77A
⚠	109	QMF51W2-2R0-J8	FUSE	F 9005 2A AC250V	S77UJ,S77UN,S77US,S77UW,S77UX

DVD mechanism assembly and parts list

Block No. M J M M

FXL-D52-1M



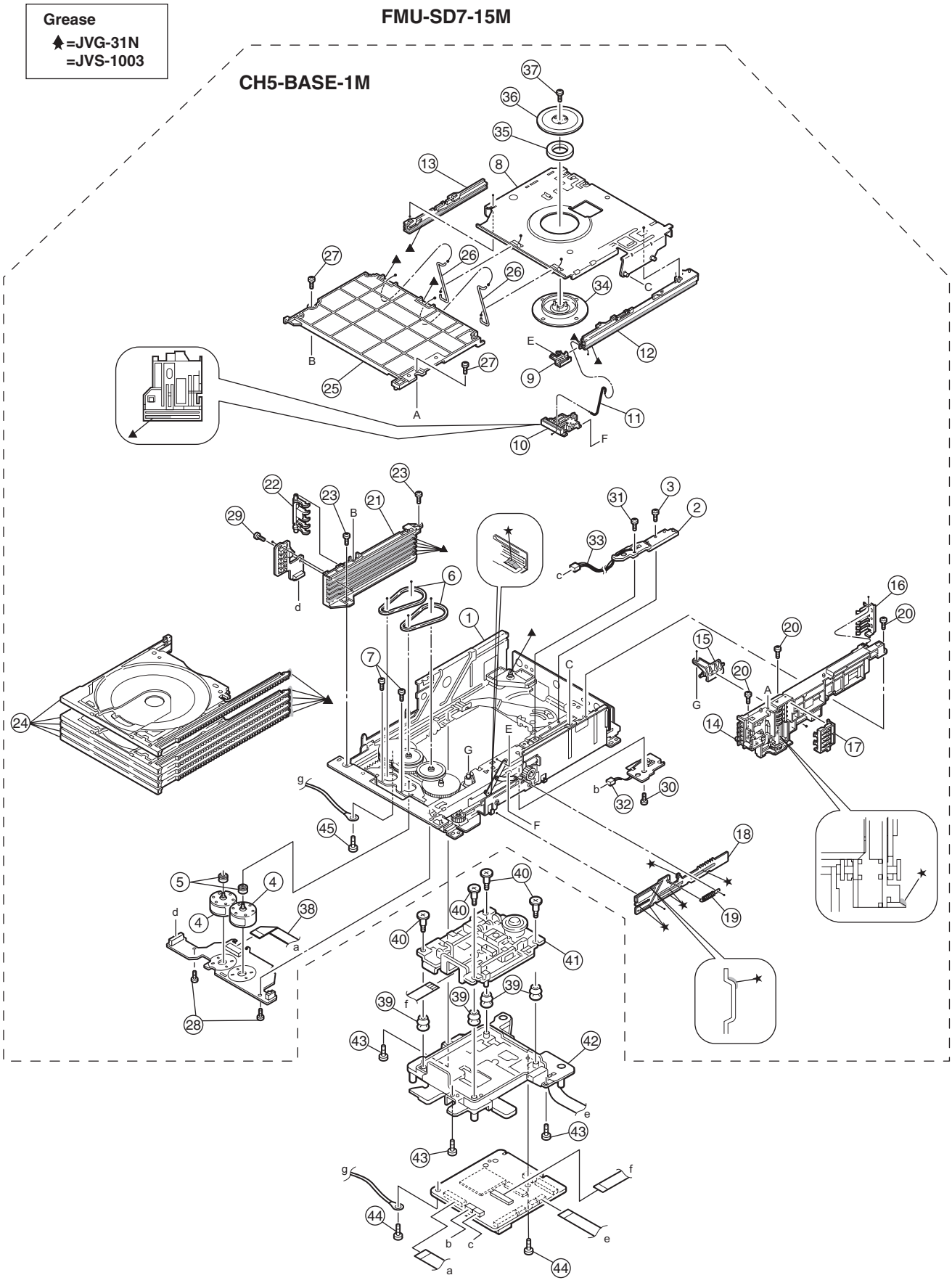
DVD mechanism

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

⚠	Symbol No.	Part No.	Part Name	Description	Local
	1	LV10751-001A	TM CHASSIS		
	2	LV10752-003A	SF MOTOR BASE		
	3	QAR0308-001	SPINDLE MOTOR		
	4	LV43461-001A	SPECIAL SCREW	(x3)	
	5	QAR0144-003	MOTOR		
	6	VKS5557-001	F.M. GEAR		
	7	QYSPSPT2030M	SCREW	M2 x 3mm	
	8	LV33985-001A	MIDDLE GEAR		
	9	QYSDST2008Z	TAP SCREW	M2 x 8mm(x2)	
	10	LV33989-001A	S.SHAFT HOLDER		
	11	QYSDST2008Z	TAP SCREW	M2 x 8mm	
	12	LV33990-001A	G.SHAFT HOLDER		
	13	QYSDST2008Z	TAP SCREW	M2 x 8mm	
	14	LV43291-002A	GUIDE SHAFT		
	15	LV33991-001A	ADJUST SPRING		
	16	QYSPST2008Z	TAP SCREW	M2 x 8mm	
	17	QAL0507-001	PICK UP		
	18	LV33983-001A	PS SPRING		
	19	QYSPSFT1730Z	TAP SCREW	M1.7 x 3mm	
	20	LV33984-002A	RACK ARM		
	21	QYSPSFT1730Z	TAP SCREW	M1.7 x 3mm(x2)	
	22	LV33986-001A	S.SHAFT GEAR		
	23	LV43293-001A	SCREW SHAFT		
	24	LV43290-001A	S.SHAFT COLLOR		
	25	LV33987-001A	GEAR HOLDER		
	26	QYSPSFT2040Z	TAP SCREW	M2 x 4mm	
	27	LV33988-001A	SS ADJ SPRING		
	28	QYSDST2008Z	TAP SCREW	M2 x 8mm	
	29	LV43702-001A	PICK FFC		
	30	LV43292-002A	ADJUST SCREW	(x3)	

DVD changer mechanism assembly and parts list

Block No. M K M M



DVD changer mechanism

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

⚠	Symbol No.	Part No.	Part Name	Description	Local
	1	LV10913-001A	LOADER ASSY		
	2	QVY0027-B14	S V RESISTOR		
	3	QYSDST2004Z	SCREW	2mm x 4mm	
	4	QAR0164-001	MOTOR	(x2)	
	5	LV42340-001A	MOTOR PULLEY	(x2)	
	6	LV41431-002A	BELT	(x2)	
	7	QYSPSPU1725N	SCREW	1.7mm x 2.5mm(x2)	
	8	LV33965-004A	LIFTER ASSY		
	9	LV33963-001A	HOOK		
	10	LV33964-002A	HOOK STOPPER		
	11	LV43285-001A	ROD (L)		
	12	LV21408-002A	RAIL(R)		
	13	LV21409-002A	RAIL(L)		
	14	LV21520-004A	SIDE(R) ASSY		
	15	LV33974-001A	SELECT LEVER		
	16	LV33977-002A	CLICK SPRING		
	17	LV33975-001A	GEAR COVER		
	18	LV33976-001A	ELEVATOR CAM		
	19	LV43287-001A	ELEVATOR SPRING		
	20	QYSDST2605Z	SCREW	2.6mm x 5mm(x3)	
	21	LV10749-002A	SIDE(L)		
	22	LV33980-001A	OPEN DET.LEVER		
	23	QYSDST2605Z	SCREW	2.6mm x 5mm(x2)	
	24	LV10746-003A	TRAY ASSY	(x5)	
	25	LV10750-003A	TOP COVER		
	26	LV43289-002A	ROD	(x2)	
	27	QYSDSF2608Z	SCREW	2.6mm x 8mm(x2)	
	28	QYSDST2605Z	SCREW	2.6mm x 5mm(x2)	
	29	QYSDSF2608Z	SCREW	2.6mm x 8mm	
	30	QYSDST2605Z	SCREW	2.6mm x 5mm	
	31	QYSDST2004Z	SCREW	2mm x 4mm	
	32	WJM0330-002A	E-SI C WIRE C-F		
	33	WJM0331-001A	E-SI C WIRE C-F		
	34	LV32417-001A	CLAMPER		
	35	LV42930-003A	P.C.MAGNET		
	36	LV33992-001A	DVD YOKE		
	37	LV41741-001A	SPECIAL SCREW		
	38	QUQ110-1508BJ	FFC WIRE		
	39	LV41659-002A	INSULATOR	(x4)	
	40	LV43245-001A	SPECIAL SCREW	(x4)	
	41	----------	TRAVERSE MECHANISM		
	42	LV10872-002A	DVD TM BASE 3		
	43	QYSDST2605Z	SCREW	2.6mm x 5mm(x3)	
	44	QYSDSF2606Z	SCREW	2.6mm x 6mm(x2)	
	45	QYSDST2605Z	SCREW	2.6mm x 5mm	

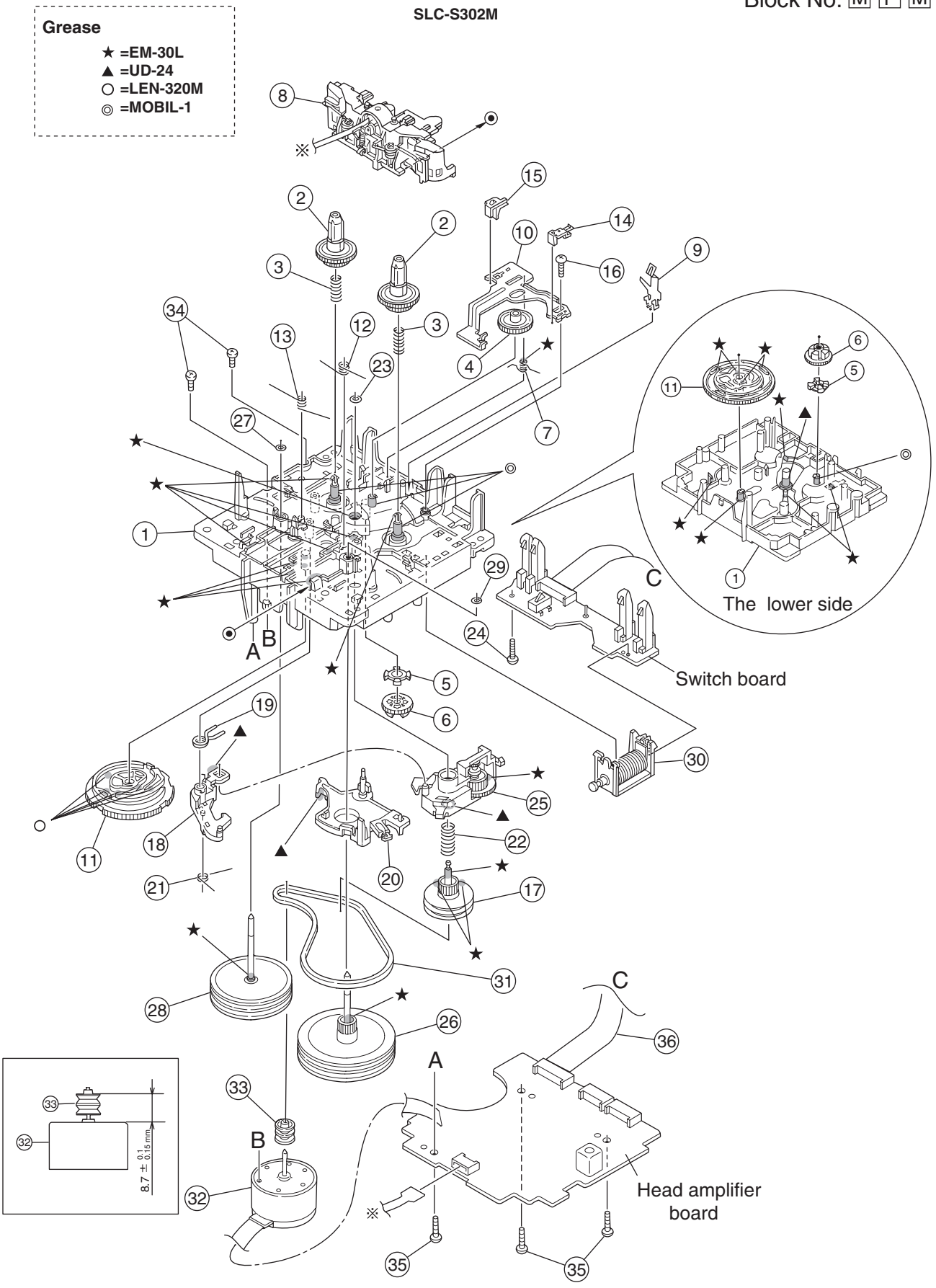
Cassette mechanism assembly and parts list

Block No. M P M M

SLC-S302M

Grease

★ =EM-30L
▲ =UD-24
○ =LEN-320M
◎ =MOBIL-1



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

Primary board

Block No. [0][1][0][0]

⚠ Symbol No.	Part No.	Part Name	Description	Local
IC301	LA4628	IC		
IC303	PQ05RD21	IC		
IC304	KIA7810API	IC		
IC305	KIA7810API	IC		
IC306	PQ033EF02SZ	REGULATOR IC		
IC308	LA4628	IC		
Q3000	2SC3576-JVC-T	TRANSISTOR		
Q3001	2SC3576-JVC-T	TRANSISTOR		
Q3002	KRA101M-T	TRANSISTOR		
Q3003	KRA109M-T	DIGI TRANSISTOR		
Q3004	KRA109M-T	DIGI TRANSISTOR		
Q3005	KRA109M-T	DIGI TRANSISTOR		
Q3006	KRA109M-T	DIGI TRANSISTOR		
Q3007	KRC109M-T	DIGI TRANSISTOR		
Q3008	KTA1046/Y/	TRANSISTOR		
Q3009	KTC3199/GL/-T	TRANSISTOR		
Q3010	KTC3199/GL/-T	TRANSISTOR		
Q3011	KTC3199/GL/-T	TRANSISTOR		
Q3012	2SA1038S/SE/-T	TRANSISTOR		
Q3013	2SA1038S/SE/-T	TRANSISTOR		
Q3014	KRC104M-T	TRANSISTOR		
Q3015	2SC3576-JVC-T	TRANSISTOR		
Q3016	2SC3576-JVC-T	TRANSISTOR		
Q3017	KRA109M-T	DIGI TRANSISTOR		
Q3018	KRA109M-T	DIGI TRANSISTOR		
Q3019	KRA109M-T	DIGI TRANSISTOR		
Q3020	KRA109M-T	DIGI TRANSISTOR		
Q3021	KRC109M-T	DIGI TRANSISTOR		
Q3022	KRC104M-T	TRANSISTOR		
Q3023	KTA1023/OY/-T	TRANSISTOR		
Q9101	KTC3199/GL/-T	TRANSISTOR		
Q9301	KTA1023/OY/-T	TRANSISTOR		
Q9302	KTC3199/GL/-T	TRANSISTOR		
Q9303	KTC3199/GL/-T	TRANSISTOR		
Q9304	KTC3199/GL/-T	TRANSISTOR		
Q9401	2SD1266/P/	TRANSISTOR		S77UJ, S77UN, S77US, S77UW, S77UX
D3000	1SS119-041-T2	DIODE		
D3006	1SS119-041-T2	DIODE		
D3007	MTZJ5.6C-T2	Z DIODE		
D3008	MTZJ11C-T2	Z DIODE		
D3009	1SS119-041-T2	DIODE		
D3010	MTZJ11C-T2	Z DIODE		
D3011	1SS119-041-T2	DIODE		
D3012	1SS119-041-T2	DIODE		
D3015	1SS119-041-T2	DIODE		
D3016	MTZJ2.4B-T2	Z DIODE		
D3017	1SS119-041-T2	DIODE		
D3018	1SS119-041-T2	DIODE		
D3019	1SS119-041-T2	DIODE		
D3020	1N4003S-T5	SI DIODE		
D3021	2A02-M	DIODE		
D3030	1SS119-041-T2	DIODE		
D3035	1SS119-041-T2	DIODE		
D3038	MTZJ3.9B-T2	Z DIODE		
D3039	1SS119-041-T2	DIODE		
D3040	1SS119-041-T2	DIODE		
⚠ D9001	1N5401-TM	SI DIODE		
⚠ D9002	1N5401-TM	SI DIODE		
⚠ D9003	1N5401-TM	SI DIODE		
⚠ D9004	1N5401-TM	SI DIODE		
⚠ D9005	1N5401-TM	SI DIODE		
⚠ D9006	1N5401-TM	SI DIODE		
⚠ D9007	1N5401-TM	SI DIODE		
⚠ D9008	1N5401-TM	SI DIODE		
⚠ D9009	1N5401-TM	SI DIODE		
⚠ D9010	1N5401-TM	SI DIODE		
⚠ D9011	1N5401-TM	SI DIODE		
⚠ D9012	1N5401-TM	SI DIODE		
⚠ D9101	1N4003S-T5	SI DIODE		
D9102	1SS119-041-T2	DIODE		
D9103	1N4003S-T5	SI DIODE		
D9104	1N4003S-T5	SI DIODE		
D9105	1N4003S-T5	SI DIODE		
D9301	MTZJ5.6B-T2	Z DIODE		
D9302	1N4003S-T5	SI DIODE		
D9303	MTZJ3.6B-T2	Z DIODE		
D9401	MTZJ10A-T2	Z DIODE		S77UJ, S77UN, S77US, S77UW, S77UX
C3000	QTE1V06-106Z	E CAPACITOR	10uF 35V	
C3001	QTE1V06-106Z	E CAPACITOR	10uF 35V	
C3002	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C3003	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C3004	QCBB1HK-151Y	C CAPACITOR	150pF 50V K	
C3005	QCBB1HK-151Y	C CAPACITOR	150pF 50V K	
C3007	QETN1HM-476Z	E CAPACITOR	47uF 50V M	
C3008	QETN1HM-474Z	E CAPACITOR	0.47uF 50V M	
C3009	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C3010	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
C3011	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
C3012	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
C3013	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
C3019	QENC1EM-106Z	BP E CAPACITOR	10uF 25V M	
C3020	QENC1EM-106Z	BP E CAPACITOR	10uF 25V M	
C3021	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C3022	QCBB1HK-221Y	C CAPACITOR	220pF 50V K	
C3023	QCBB1HK-103Y	C CAPACITOR	0.01uF 50V K	
C3024	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C3025	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C3026	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C3027	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C3032	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C3033	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C3034	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C3035	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C3036	QETM1CM-478	E CAPACITOR	4700uF 16V M	
C3037	QETM1EM-478	E CAPACITOR	4700uF 25V M	
C3038	QEZ0578-828	E CAPACITOR	8200uF	
C3039	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C3040	QETN1CM-106Z	E CAPACITOR	10uF 16V M	
C3043	QEZ0578-828	E CAPACITOR	8200uF	
C3044	QTE1V06-106Z	E CAPACITOR	10uF 35V	
C3045	QTE1V06-106Z	E CAPACITOR	10uF 35V	
C3046	QCBB1HK-151Y	C CAPACITOR	150pF 50V K	
C3047	QCBB1HK-151Y	C CAPACITOR	150pF 50V K	
C3048	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C3050	QETN1HM-476Z	E CAPACITOR	47uF 50V M	
C3051	QETN1HM-474Z	E CAPACITOR	0.47uF 50V M	
C3052	QETN1EM-107Z	E CAPACITOR	100uF 25V M	
C3053	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
C3054	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
C3055	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
C3056	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
C3057	QETN1EM-107Z	E CAPACITOR	100uF 25V M	
C3062	QENC1EM-106Z	BP E CAPACITOR	10uF 25V M	
C3063	QENC1EM-106Z	BP E CAPACITOR	10uF 25V M	
C3073	QDGB1HK-102Y	C CAPACITOR	1000pF 50V K	
C3074	QDGB1HK-102Y	C CAPACITOR	1000pF 50V K	
C3075	QDGB1HK-102Y	C CAPACITOR	1000pF 50V K	
C3076	QDGB1HK-102Y	C CAPACITOR	1000pF 50V K	
C3077	QCBB1HK-221Y	C CAPACITOR	220pF 50V K	
C5211	QCBB1HK-103Y	C CAPACITOR	0.01uF 50V K	
C5221	QCBB1HK-103Y	C CAPACITOR	0.01uF 50V K	
C5230	QCBB1HK-103Y	C CAPACITOR	0.01uF 50V K	
C9001	QFLC1HJ-223Z	M CAPACITOR	0.022uF 50V J	
C9002	QFLC1HJ-223Z	M CAPACITOR	0.022uF 50V J	
C9003	QFLC1HJ-223Z	M CAPACITOR	0.022uF 50V J	
C9004	QFLC1HJ-223Z	M CAPACITOR	0.022uF 50V J	
C9005	QFLC1HJ-223Z	M CAPACITOR	0.022uF 50V J	

⚠ Symbol No.	Part No.	Part Name	Description	Local
C9006	QFLC1HJ-223Z	M CAPACITOR	0.022uF 50V J	
C9007	QFLC1HJ-223Z	M CAPACITOR	0.022uF 50V J	
C9008	QFLC1HJ-223Z	M CAPACITOR	0.022uF 50V J	
C9009	QFLC1HJ-223Z	M CAPACITOR	0.022uF 50V J	
C9010	QFLC1HJ-223Z	M CAPACITOR	0.022uF 50V J	
C9011	QFLC1HJ-223Z	M CAPACITOR	0.022uF 50V J	
C9012	QFLC1HJ-223Z	M CAPACITOR	0.022uF 50V J	
C9101	QETM1CM-228	E CAPACITOR	2200uF 16V M	S77A
⚠ C9102	QCZ9105-472	C CAPACITOR	4700pF 250V M	
C9103	QETM2AM-477	E CAPACITOR	470uF 100V M	S77UJ, S77UN, S77US, S77UW, S77UX
C9301	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C9302	QCBB1HK-103Y	C CAPACITOR	0.01uF 50V K	
C9303	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C9304	QEKC1AM-107Z	E CAPACITOR	100uF 10V M	
C9401	QFLC2AJ-472Z	M CAPACITOR	4700pF 100V J	S77UJ, S77UN, S77US, S77UW, S77UX
C9402	QDYB1CM-103Y	C CAPACITOR	0.01uF 16V M	S77UJ, S77UN, S77US, S77UW, S77UX
R3000	QRE141J-622Y	C RESISTOR	6.2kΩ 1/4W J	
R3001	QRE141J-622Y	C RESISTOR	6.2kΩ 1/4W J	
R3002	QRE141J-333Y	C RESISTOR	33kΩ 1/4W J	
R3003	QRE141J-333Y	C RESISTOR	33kΩ 1/4W J	
R3004	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R3005	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R3006	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R3007	QRE141J-2R2Y	C RESISTOR	2.2Ω 1/4W J	
R3008	QRE141J-2R2Y	C RESISTOR	2.2Ω 1/4W J	
R3009	QRE141J-2R2Y	C RESISTOR	2.2Ω 1/4W J	
R3010	QRE141J-2R2Y	C RESISTOR	2.2Ω 1/4W J	
R3019	QRE141J-562Y	C RESISTOR	5.6kΩ 1/4W J	
R3020	QRE141J-562Y	C RESISTOR	5.6kΩ 1/4W J	
R3021	QRE141J-562Y	C RESISTOR	5.6kΩ 1/4W J	
R3022	QRE141J-562Y	C RESISTOR	5.6kΩ 1/4W J	
R3023	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J	
R3024	QRE141J-681Y	C RESISTOR	680Ω 1/4W J	
R3025	QRE141J-272Y	C RESISTOR	2.7kΩ 1/4W J	
R3026	QRE141J-681Y	C RESISTOR	680Ω 1/4W J	
R3027	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R3028	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R3029	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R3030	QRE141J-390Y	C RESISTOR	39Ω 1/4W J	
R3031	QRE141J-273Y	C RESISTOR	27kΩ 1/4W J	
R3033	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R3034	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R3035	QRE141J-153Y	C RESISTOR	15kΩ 1/4W J	
R3036	QRE141J-223Y	C RESISTOR	22kΩ 1/4W J	
R3037	QRE141J-302Y	C RESISTOR	3kΩ 1/4W J	
R3038	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J	
R3039	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J	
R3040	QRE141J-333Y	C RESISTOR	33kΩ 1/4W J	
R3041	QRE141J-333Y	C RESISTOR	33kΩ 1/4W J	
R3042	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R3043	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R3044	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R3045	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R3046	QRE141J-2R2Y	C RESISTOR	2.2Ω 1/4W J	
R3047	QRE141J-2R2Y	C RESISTOR	2.2Ω 1/4W J	
R3048	QRE141J-2R2Y	C RESISTOR	2.2Ω 1/4W J	
R3049	QRE141J-2R2Y	C RESISTOR	2.2Ω 1/4W J	
R3056	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R3057	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R3058	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R3059	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R3062	QRE141J-101Y	C RESISTOR	100Ω 1/4W J	
R3063	QRE141J-101Y	C RESISTOR	100Ω 1/4W J	
R9101	QRE141J-332Y	C RESISTOR	3.3kΩ 1/4W J	
R9301	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R9302	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R9303	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R9304	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R9305	QRE141J-181Y	C RESISTOR	180Ω 1/4W J	
R9401	QRE141J-203Y	C RESISTOR	20kΩ 1/4W J	S77UJ, S77UN, S77US, S77UW, S77UX
R9402	QRE141J-203Y	C RESISTOR	20kΩ 1/4W J	S77UJ, S77UN, S77US, S77UW, S77UX
⚠ R9403	QRZ9042-2R2X	F RESISTOR	2.2Ω	S77UJ, S77UN, S77US, S77UW, S77UX
R9404	QRE141J-203Y	C RESISTOR	20kΩ 1/4W J	S77UJ, S77UN, S77US, S77UW, S77UX
R9405	QRE141J-203Y	C RESISTOR	20kΩ 1/4W J	S77UJ, S77UN, S77US, S77UW, S77UX
L5211	QQL231K-470Y	COIL	47uH K	
L5221	QQL231K-470Y	COIL	47uH K	
⚠ T9002	QQT0253-002	POWER TRANSF		S77A
⚠ T9003	QQT0370-011	POWER TRANSF		S77UJ, S77UN, S77US, S77UW, S77UX
CN301	QGB2024K1-11S	CONNECTOR	B-B (1-11)	
CN302	QGB1214K1-20S	CONNECTOR	B-B (1-20)	
CN303	QGF1036C1-26	CONNECTOR	FFC/FPC (1-26)	
CN304	QGB2510K1-12	CONNECTOR	B-B (1-12)	
CN305	QGB2510K1-13	CONNECTOR	B-B (1-13)	
CN601	QGF1036F1-06	CONNECTOR	FFC/FPC (1-6)	
CN602	QGF1036F1-26	CONNECTOR	FFC/FPC (1-26)	
CN603	QGF1205F1-06	CONNECTOR	FFC/FPC (1-6)	
CN604	QGF1036F1-26	CONNECTOR	FFC/FPC (1-26)	
⚠ CN901	QGA7901F2-02	CONNECTOR	W-B (1-2)	
CN902	QGB2510J1-12	CONNECTOR	B-B (1-12)	
CN903	QGA7901C1-04	CONNECTOR	W-B (1-4)	S77UJ, S77UN, S77US, S77UW, S77UX
CN904	QGA7901C1-02	CONNECTOR	W-B (1-2)	
CN905	QGA3901C1-05	CONNECTOR	W-B (1-5)	
CN907	QGA7901C1-02	CONNECTOR	W-B (1-2)	S77A
EP301	QNZ0136-001Z	EARTH PLATE		
FT901	QNG0003-001Z	FUSE CLIP		
FT902	QNG0003-001Z	FUSE CLIP		
FT903	QNG0003-001Z	FUSE CLIP		
FT904	QNG0003-001Z	FUSE CLIP		
FT905	QNG0003-001Z	FUSE CLIP		
FT906	QNG0003-001Z	FUSE CLIP		
FT907	QNG0003-001Z	FUSE CLIP		
FT908	QNG0003-001Z	FUSE CLIP		
FT909	QNG0003-001Z	FUSE CLIP		
FT910	QNG0003-001Z	FUSE CLIP		
FT911	QNG0003-001Z	FUSE CLIP		S77UJ, S77UN, S77US, S77UW, S77UX
FT912	QNG0003-001Z	FUSE CLIP		S77UJ, S77UN, S77US, S77UW, S77UX
HS901	LE40505-001A	HEAT SINK		S77UJ, S77UN, S77US, S77UW, S77UX
J3001	QNB0171-002	SPK TERMINAL		

⚠ Symbol No.	Part No.	Part Name	Description	Local
J5201	QNS0170-001	HEADPHONE JACK		
K5211	QQR0621-001Z	COIL		
PP300	QZW0112-001	WIRE CLAMP		
PP901	QZW0112-001	WIRE CLAMP		
PP902	QZW0112-001	WIRE CLAMP		
⚠ RY901	QSK0124-001	RELAY		
⚠ S9001	QSW0838-001	VOLTAGE SWITCH		S77UJ, S77UN, S77US, S77UW, S77UX
TH301	QAD0015-103Z	THERMISTOR	10kΩ	

Micon board

Block No. [0][2][0][0]

⚠ Symbol No.	Part No.	Part Name	Description	Local
IC202	JCV8011-X	IC		
IC203	HA17558AF-X	IC		
IC207	NJM4565M-WE	IC		
IC520	GP1UM261XK	IR DETECT UNIT	38kHz	
IC550	NJU6433FG1	LCD DRIVER		
IC900	MN101C49GFG	IC		
IC901	LC75342M-X	IC		
IC910	GP1FA553TZ	OPT TRANSMITTER		
IC999	BR24L01AF-W-X	IC		
Q2070	2SD601A/R/-X	TRANSISTOR		
Q2071	2SD601A/R/-X	TRANSISTOR		
Q2170	2SD601A/R/-X	TRANSISTOR		
Q2171	2SD601A/R/-X	TRANSISTOR		
Q2250	2SD601A/R/-X	TRANSISTOR		
Q2251	UN2111-X	TRANSISTOR		
Q2270	UN2111-X	TRANSISTOR		
Q2900	2SC2412K/R/-X	TRANSISTOR		
Q7035	UN2215-X	TRANSISTOR		
Q7036	UN2215-X	TRANSISTOR		
Q7074	UN2211-X	TRANSISTOR		
Q7300	2SD601A/R/-X	TRANSISTOR		
Q7301	UN2215-X	TRANSISTOR		
Q7400	KTC3199/GL/-T	TRANSISTOR		
Q7401	KTC3199/GL/-T	TRANSISTOR		
Q7402	KTC3199/GL/-T	TRANSISTOR		
Q7600	2SB709A/R/-X	TRANSISTOR		
Q7601	UN2211-X	TRANSISTOR		
Q7700	UN2211-X	TRANSISTOR		
Q7701	UN2211-X	TRANSISTOR		
Q7710	UN2211-X	TRANSISTOR		
Q7711	UN2211-X	TRANSISTOR		
Q7940	2SD601A/R/-X	TRANSISTOR		
Q7941	2SD601A/R/-X	TRANSISTOR		
Q7950	UN2115-X	D.TRANSISTOR		
D2100	1SS119-041-T2	DIODE		
D2101	1SS119-041-T2	DIODE		
D2321	MTZJ4.7B-T2	Z DIODE		
D2770	1SS119-041-T2	DIODE		
D2900	1N4003S-T5	SI DIODE		
D2901	1SS119-041-T2	DIODE		
D5260	SPR-39MVWF	LED	RED-GREEN	
D5460	SELU1E10WXM-P	LED		
D5461	SELU1E10WXM-P	LED		
D5462	SELU1E10WXM-P	LED		
D7075	1SS355-X	SI DIODE		
D7206	MTZJ5.6C-T2	Z DIODE		
D7209	MTZJ5.6C-T2	Z DIODE		
D7300	1SS119-041-T2	DIODE		
D7301	1SS119-041-T2	DIODE		
D7302	MTZJ5.1C-T2	Z DIODE		
D7303	1SS119-041-T2	DIODE		
D7304	1SS119-041-T2	DIODE		
D7600	1SS119-041-T2	DIODE		
D7802	MTZJ6.2C-T2	Z DIODE		

⚠ Symbol No.	Part No.	Part Name	Description	Local
C2004	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C2005	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C2006	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C2007	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C2008	QTE1H28-106Z	E CAPACITOR	10uF 50V	
C2009	QETN1EM-106Z	E CAPACITOR	10uF 25V M	
C2010	QFLC1HJ-272Z	M CAPACITOR	2700pF 50V J	
C2011	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
C2012	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
C2013	QFLC1HJ-823Z	M CAPACITOR	0.082uF 50V J	
C2019	QFLC1HJ-103Z	M CAPACITOR	0.01uF 50V J	
C2051	QETN1EM-106Z	E CAPACITOR	10uF 25V M	
C2053	QETN1EM-106Z	E CAPACITOR	10uF 25V M	
C2061	QFLC1HJ-123Z	M CAPACITOR	0.012uF 50V J	
C2062	QFLC1HJ-123Z	M CAPACITOR	0.012uF 50V J	
C2071	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C2072	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
C2073	NCS31HJ-101X	C CAPACITOR	100pF 50V J	
C2074	NCB31HK-331X	C CAPACITOR	330pF 50V K	
C2075	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C2100	NCB31HK-221X	C CAPACITOR	220pF 50V K	
C2101	NCB31HK-221X	C CAPACITOR	220pF 50V K	
C2102	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C2104	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C2105	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C2106	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C2107	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C2108	QTE1H28-106Z	E CAPACITOR	10uF 50V	
C2109	QETN1EM-106Z	E CAPACITOR	10uF 25V M	
C2110	QFLC1HJ-272Z	M CAPACITOR	2700pF 50V J	
C2111	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
C2112	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
C2113	QFLC1HJ-823Z	M CAPACITOR	0.082uF 50V J	
C2119	QFLC1HJ-103Z	M CAPACITOR	0.01uF 50V J	
C2151	QETN1EM-106Z	E CAPACITOR	10uF 25V M	
C2153	QETN1EM-106Z	E CAPACITOR	10uF 25V M	
C2161	QFLC1HJ-123Z	M CAPACITOR	0.012uF 50V J	
C2162	QFLC1HJ-123Z	M CAPACITOR	0.012uF 50V J	
C2171	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C2172	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
C2173	NCS31HJ-101X	C CAPACITOR	100pF 50V J	
C2174	NCB31HK-331X	C CAPACITOR	330pF 50V K	
C2175	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C2221	QETN1CM-226Z	E CAPACITOR	22uF 16V M	
C2222	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C2223	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
C2240	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C2241	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C2242	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C2250	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C2251	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C2252	QFLC1HJ-273Z	M CAPACITOR	0.027uF 50V J	
C2253	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C2254	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C2255	QETN1EM-106Z	E CAPACITOR	10uF 25V M	
C2256	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C2257	QETN1EM-106Z	E CAPACITOR	10uF 25V M	
C2258	QETN1EM-106Z	E CAPACITOR	10uF 25V M	
C2259	QETN1HM-224Z	E CAPACITOR	0.22uF 50V M	
C2261	QFLC1HJ-333Z	M CAPACITOR	0.033uF 50V J	
C2262	QFLC1HJ-333Z	M CAPACITOR	0.033uF 50V J	
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	
C2301	QFLC1HJ-823Z	M CAPACITOR	0.082uF 50V J	
C2302	QETN1CM-226Z	E CAPACITOR	22uF 16V M	
C2312	QETN1CM-226Z	E CAPACITOR	22uF 16V M	
C2321	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C2322	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C2361	QFLC1HJ-333Z	M CAPACITOR	0.033uF 50V J	
C2362	QFLC1HJ-333Z	M CAPACITOR	0.033uF 50V J	
C2702	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C2900	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3211	QFLC1HJ-823Z	M CAPACITOR	0.082uF 50V J	
C5104	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C5105	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C5200	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C5201	QERF1CM-226Z	E CAPACITOR	22uF 16V M	

⚠ Symbol No.	Part No.	Part Name	Description	Local
C5500	QERF1AM-107Z	E CAPACITOR	100uF 10V M	
C7010	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C7012	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C7014	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C7015	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C7204	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C7234	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C7274	NCB31HK-331X	C CAPACITOR	330pF 50V K	
C7300	QEKC1CM-107Z	E CAPACITOR	100uF 16V M	
C7301	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C7302	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C7303	QETN0JM-108Z	E CAPACITOR	1000uF 6.3V M	
C7304	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C7305	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C7400	QETN1CM-476Z	E CAPACITOR	47uF 16V M	
C7401	QETN1CM-476Z	E CAPACITOR	47uF 16V M	
C7402	QETN1CM-476Z	E CAPACITOR	47uF 16V M	
C7600	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C7608	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C7801	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C7803	QCBB1HK-103Y	C CAPACITOR	0.01uF 50V K	
C7805	QCBB1HK-103Y	C CAPACITOR	0.01uF 50V K	S77A, S77UN, S77US, S77UW, S77UX
C7910	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C7911	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C7912	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
R2009	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R2011	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R2050	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2051	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2052	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R2053	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R2055	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R2061	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R2062	NRSA63J-681X	MG RESISTOR	680Ω 1/16W 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-393X	MG RESISTOR	39kΩ 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	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	
R2101	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	
R2102	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2103	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2109	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R2111	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R2150	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2151	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2152	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R2153	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R2155	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R2161	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R2162	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R2170	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R2171	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2172	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R2173	NRSA63J-393X	MG RESISTOR	39kΩ 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	
R2221	QRE141J-101Y	C RESISTOR	100Ω 1/4W J	
R2222	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R2223	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R2250	NRSA63J-474X	MG RESISTOR	470kΩ 1/16W J	
R2251	NRSA63J-474X	MG RESISTOR	470kΩ 1/16W J	
R2252	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R2253	NRSA63J-225X	MG RESISTOR	2.2MΩ 1/16W J	
R2254	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R2255	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R2256	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R2257	NRSA63J-432X	MG RESISTOR	4.3kΩ 1/16W J	
R2258	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R2259	QRZ9005-470X	FUSI RESISTOR	47Ω 1/4W G	
R2261	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R2262	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R2270	QRZ9005-470X	FUSI RESISTOR	47Ω 1/4W G	
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	
R2275	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2303	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R2305	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R2306	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R2313	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R2315	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R2316	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R2321	QRE141J-101Y	C RESISTOR	100Ω 1/4W J	
R2322	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R2361	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R2362	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R2900	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R2901	NRSA63J-394X	MG RESISTOR	390kΩ 1/16W J	
R2902	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R2903	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R2906	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2907	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2908	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2909	NRSA63J-113X	MG RESISTOR	11kΩ 1/16W J	S77UJ, S77UN, S77US, S77UW, S77UX
R2910	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2911	NRSA63J-113X	MG RESISTOR	11kΩ 1/16W J	S77UJ, S77UN, S77US, S77UW, S77UX
R2916	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R2917	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R5100	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R5101	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R5102	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R5103	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R5104	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R5105	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R5106	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R5107	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R5110	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R5111	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R5112	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R5113	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R5114	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R5115	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R5116	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R5500	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R5501	NRSA63J-134X	MG RESISTOR	130kΩ 1/16W J	
R7002	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R7003	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7004	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7005	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	S77A
R7005	NRSA63J-203X	MG RESISTOR	20kΩ 1/16W J	S77UJ, S77UN, S77US
R7005	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	S77UW
R7005	NRSA63J-912X	MG RESISTOR	9.1kΩ 1/16W J	S77UX
R7006	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7007	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7008	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7009	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7018	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7019	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7020	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7021	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7022	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7023	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7024	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7025	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	

⚠ Symbol No.	Part No.	Part Name	Description	Local
R7026	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7027	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7028	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7029	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7030	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7032	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7033	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7034	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7035	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7036	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7037	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R7038	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R7039	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R7045	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R7046	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R7047	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R7049	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R7050	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R7051	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R7053	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7055	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7056	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7057	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R7060	NRSA63J-512X	MG RESISTOR	5.1kΩ 1/16W J	
R7062	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7063	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7064	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7065	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7066	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7067	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7068	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7069	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7070	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7071	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7073	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R7077	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7078	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7080	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7081	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7082	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7083	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7084	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7085	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7086	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7087	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7088	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7089	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7090	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7091	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7202	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R7203	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R7204	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
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	
R7217	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7221	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	
R7230	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7235	NRSA63J-161X	MG RESISTOR	160Ω 1/16W J	
R7236	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R7245	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7246	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7249	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7250	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7257	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7262	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7274	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7278	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7289	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R7290	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7291	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7300	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R7301	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7302	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R7303	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7304	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7305	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R7401	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R7402	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R7403	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R7404	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R7405	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R7406	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R7600	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7601	NRSA63J-202X	MG RESISTOR	2kΩ 1/16W J	
R7602	NRSA63J-202X	MG RESISTOR	2kΩ 1/16W J	
R7660	NRSA63J-203X	MG RESISTOR	20kΩ 1/16W J	
R7661	NRSA63J-203X	MG RESISTOR	20kΩ 1/16W J	
R7704	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7705	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7706	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R7714	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7715	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7716	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R7755	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7800	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R7801	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R7802	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R7940	NRSA63J-302X	MG RESISTOR	3kΩ 1/16W J	
R7941	NRSA63J-302X	MG RESISTOR	3kΩ 1/16W J	
R7944	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7945	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
L2070	QQL231K-820Y	COIL	82uH K	
L2170	QQL231K-820Y	COIL	82uH K	
L7010	QQL231K-4R7Y	COIL	4.7uH K	
L7300	QQL231K-100Y	COIL	10uH K	
L7800	QQL231K-4R7Y	COIL	4.7uH K	
L7802	QQL231K-2R2Y	COIL	2.2uH K	
L7803	QQL231K-2R2Y	COIL	2.2uH K	
CN550	QGF1036F1-19	CONNECTOR	FFC/FPC (1-19)	
CN700	QGF1036C1-19	CONNECTOR	FFC/FPC (1-19)	
CN760	QGA2501C1-02	CONNECTOR	W-B (1-2)	
CN761	QGB2510J1-13	CONNECTOR	B-B (1-13)	
CN762	QGB1214J1-20S	CONNECTOR	B-B (1-20)	
CN763	QGF1205C1-06	CONNECTOR	FFC/FPC (1-6)	
CN764	QGF1205C1-06	CONNECTOR	FFC/FPC (1-6)	
CN766	QGF1205C1-11	CONNECTOR	FFC/FPC (1-11)	
CN767	QGA2501C1-04	CONNECTOR	W-B (1-4)	
CN790	QGF1205F1-10	CONNECTOR	FFC/FPC (1-10)	
CN791	QGF1205F1-09	CONNECTOR	FFC/FPC (1-9)	
DI550	QLD0321-001	LCD MODULE		
FW501	QUM027-10Z4Z4	CONNECTOR		
J2100	QNN0420-001	SURROUND JACK		
J5100	QSW0993-001	ROTARY ENCODER		
J7800	QNS0089-001	3.5 JACK		
K7001	NQR0251-004X	FERRITE BEADS		
K7300	QQR0621-001Z	COIL		
K7800	QQR0621-001Z	COIL		
S5100	QSW0683-001Z	PUSH SW		
S5101	QSW0683-001Z	PUSH SW		
S5102	QSW0683-001Z	PUSH SW		
S5103	QSW0683-001Z	PUSH SW		
S5104	QSW0683-001Z	PUSH SW		
S5105	QSW0683-001Z	PUSH SW		
S5106	QSW0683-001Z	PUSH SW		
S5107	QSW0683-001Z	PUSH SW		
S5110	QSW0683-001Z	PUSH SW		
S5111	QSW0683-001Z	PUSH SW		
S5112	QSW0683-001Z	PUSH SW		
S5113	QSW0683-001Z	PUSH SW		
S5114	QSW0683-001Z	PUSH SW		
S5115	QSW0683-001Z	PUSH SW		
S5116	QSW0683-001Z	PUSH SW		
S5560	QSW0683-001Z	PUSH SW		
SW780	QSW0454-001	SW		S77A, S77UN, S77US, S77UW, S77UX
X7000	QAX0718-001Z	CRYSTAL	8.000000MHz	

Video board

Block No. [0][3][0][0]

⚠ Symbol No.	Part No.	Part Name	Description	Local
IC451	MM1623XF-X	IC		
C4501	QCBB1HK-181Y	C CAPACITOR	180pF 50V K	
C4502	QCBB1HK-181Y	C CAPACITOR	180pF 50V K	
C4503	QCBB1HK-181Y	C CAPACITOR	180pF 50V K	
C4504	QCBB1HK-181Y	C CAPACITOR	180pF 50V K	
C4505	QCBB1HK-181Y	C CAPACITOR	180pF 50V K	
C4506	QCBB1HK-181Y	C CAPACITOR	180pF 50V K	
C4550	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
C4551	QCBB1HK-103Y	C CAPACITOR	0.01uF 50V K	
C4552	QCBB1HK-104Y	C CAPACITOR	0.1uF 50V K	
C4553	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C4554	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C4555	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C4601	QETN1AM-477Z	E CAPACITOR	470uF 10V M	
C4602	QETN1AM-477Z	E CAPACITOR	470uF 10V M	
C4603	QETN1AM-477Z	E CAPACITOR	470uF 10V M	
C4604	QETN1AM-477Z	E CAPACITOR	470uF 10V M	
C4605	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C4606	QETN1AM-477Z	E CAPACITOR	470uF 10V M	
C4650	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C4651	QETN1CM-226Z	E CAPACITOR	22uF 16V M	
R4501	QRE141J-750Y	C RESISTOR	75Ω 1/4W J	
R4502	QRE141J-750Y	C RESISTOR	75Ω 1/4W J	
R4503	QRE141J-750Y	C RESISTOR	75Ω 1/4W J	
R4504	QRE141J-750Y	C RESISTOR	75Ω 1/4W J	
R4505	QRE141J-750Y	C RESISTOR	75Ω 1/4W J	
R4506	QRE141J-750Y	C RESISTOR	75Ω 1/4W J	
R4541	QRE141J-201Y	C RESISTOR	200Ω 1/4W J	
R4542	QRE141J-302Y	C RESISTOR	3kΩ 1/4W J	
R4543	QRE141J-201Y	C RESISTOR	200Ω 1/4W J	
R4544	QRE141J-302Y	C RESISTOR	3kΩ 1/4W J	
R4545	QRE141J-101Y	C RESISTOR	100Ω 1/4W J	
R4546	QRE141J-911Y	C RESISTOR	910Ω 1/4W J	
R4547	QRE141J-101Y	C RESISTOR	100Ω 1/4W J	
R4548	QRE141J-911Y	C RESISTOR	910Ω 1/4W J	
R4549	QRE141J-201Y	C RESISTOR	200Ω 1/4W J	
R4550	QRE141J-302Y	C RESISTOR	3kΩ 1/4W J	
CN451	QGB2024J1-11S	CONNECTOR	B-B (1-11)	
CN452	QGF1205F1-06	CONNECTOR	FFC/FPC (1-6)	
J4501	QNN0579-001	PIN JACK		
J4502	QNZ0430-001	AV JACK		
VY451	VYH7653-003	IC HOLDER		

Loading board

Block No. [0][4][0][0]

⚠ Symbol No.	Part No.	Part Name	Description	Local
IC1	LB1641	IC		
IC2	LB1641	IC		
D1	MTZJ6.2A-T2	Z DIODE		
C1	QEKC1AM-107Z	E CAPACITOR	100uF 10V M	
C2	QCFB1HZ-104Y	C CAPACITOR	0.1uF 50V Z	
C3	QFLC1HJ-103Z	M CAPACITOR	0.01uF 50V J	
C5	QFLC1HJ-103Z	M CAPACITOR	0.01uF 50V J	
C6	QCFB1HZ-104Y	C CAPACITOR	0.1uF 50V Z	
C7	QCFB1HZ-104Y	C CAPACITOR	0.1uF 50V Z	
CN1	QGF1036F1-15	CONNECTOR	FFC/FPC (1-15)	
CN2	QGB2024K1-07S	CONNECTOR	B-B (1-7)	
CN3	QGB2024J1-07S	CONNECTOR	B-B (1-7)	
SW1	QSW0844-001	PUSH SWITCH		
SW2	QSW0844-001	PUSH SWITCH		
SW3	QSW0844-001	PUSH SWITCH		
SW4	QSW0844-001	PUSH SWITCH		
SW5	QSW0844-001	PUSH SWITCH		
SW6	QSW0854-002	PUSH SW		
SW8	QSW0923-001	DETECT SWITCH		

DVD servo board

Block No. [0][5][0][0]

⚠ Symbol No.	Part No.	Part Name	Description	Local
IC201	LA6502-X	IC		
IC301	MN2DS0003AA-H	IC		
IC302	LM1117MP-ADJ-X	IC		
IC451	MN101C61GNC	IC(MCU)		
IC452	BR93L56RFV-W-X	IC		
IC453	S-80827CNNB-W	IC		
IC505	K4S641632F-TC75	IC(DIGITAL)		
IC509	AT49LV1614T90TC	IC (FLASH)		
IC701	AK4384VT-X	IC		
Q101	KTA1001/Y/-X	TRANSISTOR		
Q102	2SC4617/R/-X	TRANSISTOR		
Q103	KTA1001/Y/-X	TRANSISTOR		
Q104	2SC4617/R/-X	TRANSISTOR		
Q105	UN2119-X	TRANSISTOR		
D101	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
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	
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	NCB30JK-105X	C CAPACITOR	1uF 6.3V 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	

⚠ Symbol No.	Part No.	Part Name	Description	Local
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	
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	
C371	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C391	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C451	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C452	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C453	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C454	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	
C455	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	
C551	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C552	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C553	NBE20JM-226X	TA E CAPACITOR	22uF 6.3V M	
C554	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C555	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C556	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C557	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
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	
C722	NCB31CK-104X	C CAPACITOR	0.1uF 16V 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	
C907	NCB31CK-103X	C CAPACITOR	0.01uF 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	
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	
R219	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	

⚠ Symbol No.	Part No.	Part Name	Description	Local
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	
R256	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R257	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R259	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R260	NRSA63J-472X	MG RESISTOR	4.7kΩ 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	
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-221X	MG RESISTOR	10Ω 1/16W J	
R348	NRSA63J-6R8X	MG RESISTOR	6.8Ω 1/16W J	
R351	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R352	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R353	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R354	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R355	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R356	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R357	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R358	NRSA63J-270X	MG RESISTOR	27Ω 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-103X	MG RESISTOR	10kΩ 1/16W J	
R373	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R384	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R385	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
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	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R452	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R453	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R454	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R455	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R456	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W 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	
R535	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R561	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R701	NRSA63J-2R2X	MG RESISTOR	2.2Ω 1/16W J	
R710	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R711	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R712	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R713	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R718	NRSA63J-473X	MG RESISTOR	47kΩ 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	

⚠ Symbol No.	Part No.	Part Name	Description	Local
R728	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L501	NQL044K-100X	COIL	0.26Ω 10uH K	
CN101	QGF0523F1-24W	CONNECTOR	FFC/FPC (1-24)	
CN201	QGF1016F2-08W	CONNECTOR	FFC/FPC (1-8)	
CN451	QGF1016F2-15W	CONNECTOR	FFC/FPC (1-15)	
CN452	QGA2001F2-02X	CONNECTOR	W-B (1-2)	
CN453	QGA2001F2-03X	CONNECTOR	W-B (1-3)	
CN501	QGF1016F2-06W	CONNECTOR	FFC/FPC (1-6)	
CN502	QGF1016F2-08W	CONNECTOR	FFC/FPC (1-8)	
CN503	QGF1016F2-26W	CONNECTOR	FFC/FPC (1-26)	
K101	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K102	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K301	NQR0354-001X	FERRITE BEADS		
K451	NRSA63J-0R0X	MG RESISTOR	0Ω 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		
K562	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K566	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K721	NQR0251-004X	FERRITE BEADS		
K722	NQR0251-004X	FERRITE BEADS		
K723	NQR0251-004X	FERRITE BEADS		
TH301	NAD0025-103X	N THERMISTOR	10kΩ	
X351	NAX0550-001X	CRYSTAL	27.000MHz	
X451	NAX0248-001X	C OSCILLATOR		

Cassette switch board

Block No. [0][6][0][0]

⚠ 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][0][0]

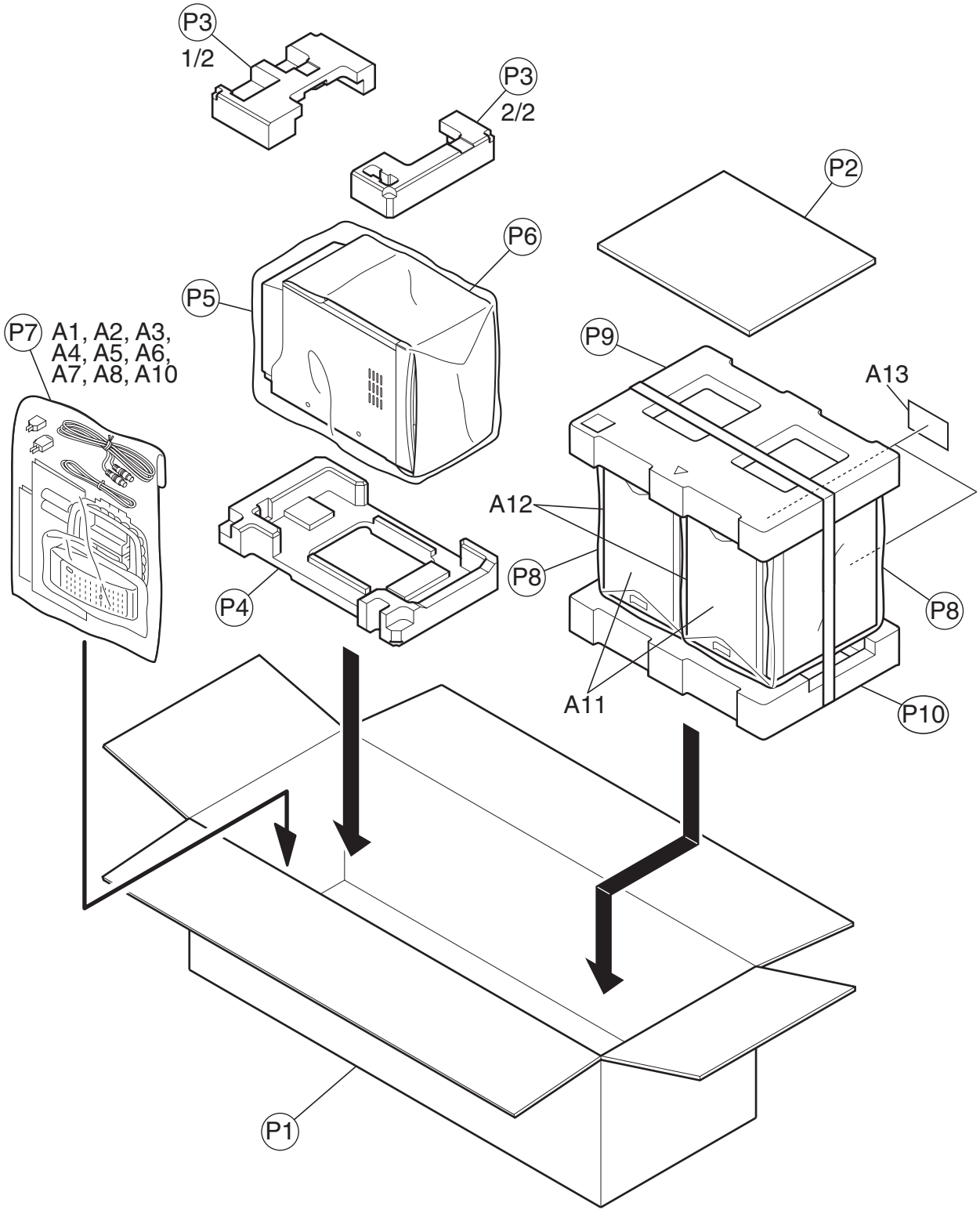
⚠ Symbol No.	Part No.	Part Name	Description	Local
IC32	HA12238F	IC	R/P Equalizer	
IC33	CD4094BC	IC	Serial to parallel port extension	
Q302	2SC2001/K/-T	TRANSISTOR		
Q305	2SC2001/K/-T	TRANSISTOR		
Q342	KRA111M-T	DIGI TRANSISTOR		
Q343	2SC3576-JVC-T	TRANSISTOR		
Q344	2SC3576-JVC-T	TRANSISTOR		
Q345	2SC3576-JVC-T	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	
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	

⚠ Symbol No.	Part No.	Part Name	Description	Local
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	GVT0131-015A	INST BOOK	ENG	S77A
	A 1	GVT0131-003A	INST BOOK	ENG	S77UJ
	A 1	GVT0131-010A	INST BOOK	ENG,CHI(PEKIN)	S77UN,S77US
	A 1	GVT0131-004A	INST BOOK	ENG,SPA,POR	S77UW
	A 1	GVT0131-013A	INST BOOK	ENG,ARA,PER	S77UX
⚠	A 2	QAM0112-002	PLUG ADAPTOR		S77UJ,S77UN,S77US,S77UW
	A 3	QAM0216-001	SIGNAL CORD		
	A 4	RM-SUXS77U	REMOCON		
	A 5	----------	BATTERY	(x2)	
	A 6	QAL0014-001	AM LOOP ANT		
	A 7	QAL0457-001	ANT.WIRE		
	A 8	BT-56012-1	WARRANTY CARD		S77A
⚠	A 10	VMZ0139-001	CONTHI PLUG		S77UX
	A 11	SPUXS77E-SPBOX	SPEAKER BOX	(x2)	
	A 12	9910007601	NET ASSY	(x2)	
	A 13	6000203711	RATING LABEL	(x2)	S77UJ,S77UN,S77US,S77UW,S77UX
	A 13	6000203701	RATING LABEL	(x2)	S77A
	P 1	GV20292-027A	CARTON ASSY.(B)		S77UJ
	P 1	GV20292-028A	CARTON ASSY.(B)		S77UN,S77US
	P 1	GV20292-029A	CARTON ASSY.(B)		S77A,S77UW
	P 1	GV20292-026A	CARTON ASSY.(B)		S77UX
	P 2	GV40232-007A	CARTON SPACER		
	P 3	GV10187-002A	CUSHION UPPER		
	P 4	GV10188-001A	CUSHION BTM		
	P 5	QPC05507030P	POLY BAG	55cm x 70cm	
	P 6	GV40168-011A	SHEET		
	P 7	QPC02503515P	POLY BAG	25cm x 35cm	
	P 8	8500041601	POLY BAG	(x2)	
	P 9	8000055401	TOP CUSHION		
	P 10	8000055411	BOTTOM CUSHION		