

JVC

SERVICE MANUAL

MICRO COMPONENT SYSTEM

UX-B70

COMPACT
disc
DIGITAL AUDIO

CD-R-D-S

Area Suffix

B ----- U.K.
E ----- Continental Europe
EN ----- Northern Europe

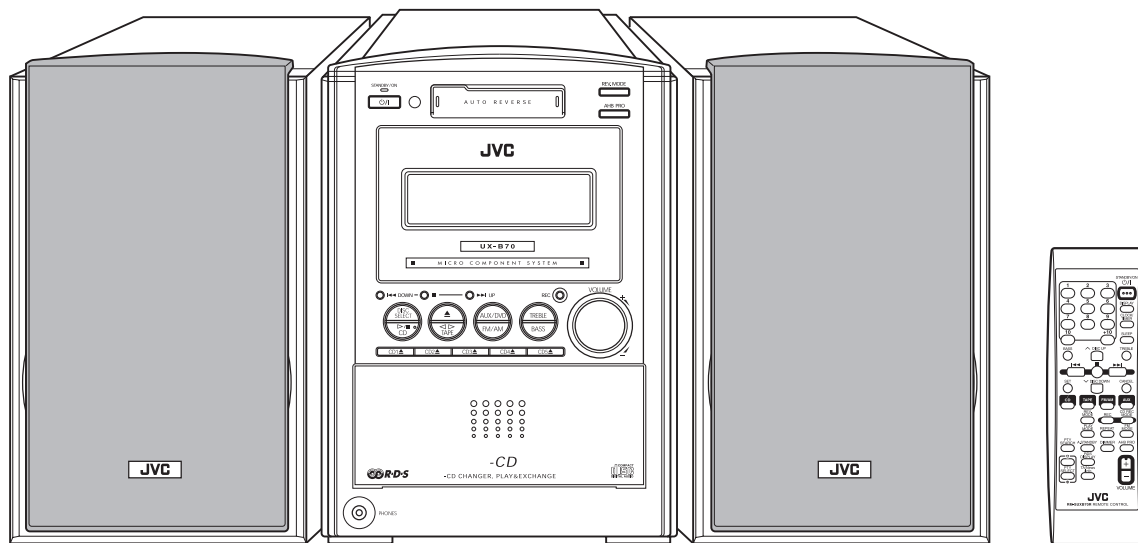


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SPECIFICATION

Amplifier Section-CA-UXB70		
Output Power (IEC 268-3)	120 W (60 W + 60 W) at 6 Ω (10% THD)	
	Analog input sensitivity/Impedance (at 1 kHz)	AUX/DVD:400 mV/48 k Ω
	Speakers/Impedance	6 Ω - 16 Ω
Tuner	FM tuning range	87.50 MHz-108.00 MHz
	AM (MW) tuning range	522 kHz-1 629 kHz
CD player	CD Capacity	5 CDs
	Dynamic range	87 dB
	Signal-to-noise ratio	90 dB
	Wow and flutter	Immeasurable
Cassette deck	Frequency response:Normal (type I)	60 Hz-14 000 Hz
	Wow and flutter	0.15 % (WRMS)
General	Power requirement	AC 230 V , 50 Hz
	Power consumption	110 W (at operation)
		17 W (on standby)
		1.4 W (in power save mode)
	Dimensions (W/H/D) (approx.)	175 mm $\times$ 239.5 mm $\times$ 378 mm
	Mass (approx.)	8 kg
Speaker Section-SP-UXB70		
Type	2-way bass-reflex type	
Speakers	Woofer 12 cm cone $\times$ 1	
	Tweeter 2 cm dome $\times$ 1	
Power handling capacity	60 W	
Impedance	6 Ω	
Frequency range	55 Hz to 20 kHz	
Sound pressure level	85 dB/W·m	
Dimensions (W/H/D) (approx.)	145 mm $\times$ 239.5 mm $\times$ 202 mm	
Mass (approx.)	2.5 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 (Δ) 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.

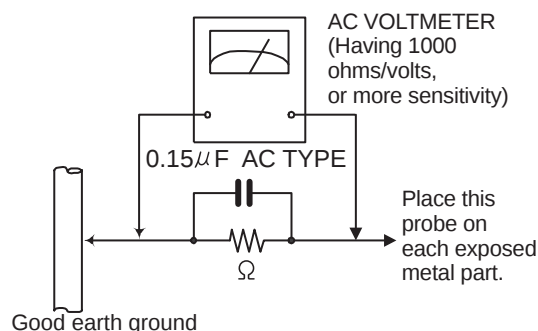
(5) Leakage shock hazard testing

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, 1,000 Ω per volt or more sensitivity in the following manner. Connect a 1,500 Ω 10W resistor paralleled by a 0.15 μ F AC-type capacitor between an exposed metal part and a known good earth ground. Measure the AC voltage across the resistor with the AC

voltmeter.

Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Voltage measured any must not exceed 0.75 V AC (r.m.s.). This corresponds to 0.5 mA AC (r.m.s.).



1.2 Warning

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

1.3 Caution

Burrs formed during molding may be left over on some parts of the chassis.

Therefore, pay attention to such burrs in the case of pre-forming repair of this system.

1.4 Critical parts for safety

In regard with component parts appearing on the silk-screen printed side (parts side) of the PWB diagrams, the parts that are printed over with black such as the resistor (■), diode (▲) and ICP (●) or identified by the " Δ " 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 Safety Precautions (U.K only)

- (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.
- (2) Any unauthorised design alterations or additions will void the manufacturer's guarantee; furthermore the manufacturer cannot accept responsibility for personal injury or property damage resulting therefrom.
- (3) Essential safety critical components are identified by () on the Parts List and by shading on the schematics, and must never be replaced by parts other than those listed in the manual. Please note however that many electrical and mechanical parts in the product have special safety related characteristics. These characteristics are often not evident from visual inspection. Parts other than specified by the manufacturer may not have the same safety characteristics as the recommended replacement parts shown in the Parts List of the Service Manual and may create shock, fire, or other hazards.
- (4) The leads in the products are routed and dressed with ties, clamps, tubings, barriers and the like to be separated from live parts, high temperature parts, moving parts and/or sharp edges for the prevention of electric shock and fire hazard. When service is required, the original lead routing and dress should be observed, and it should be confirmed that they have been returned to normal, after re-assembling.

1.5.1 Warning

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



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

1.6 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.

1.6.1 Grounding to prevent damage by static electricity

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

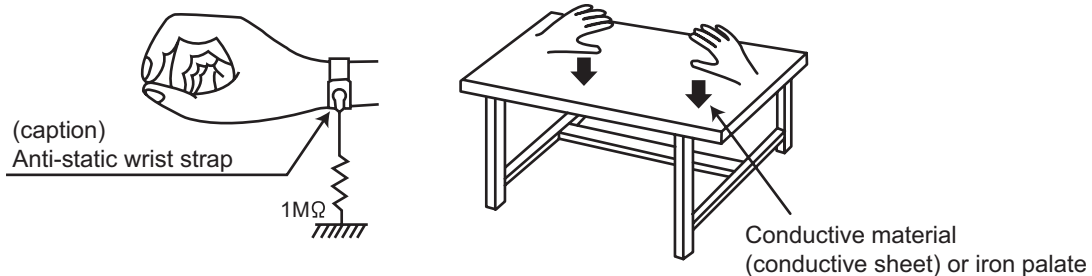
Be careful to use proper grounding in the area where repairs are being performed.

(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.

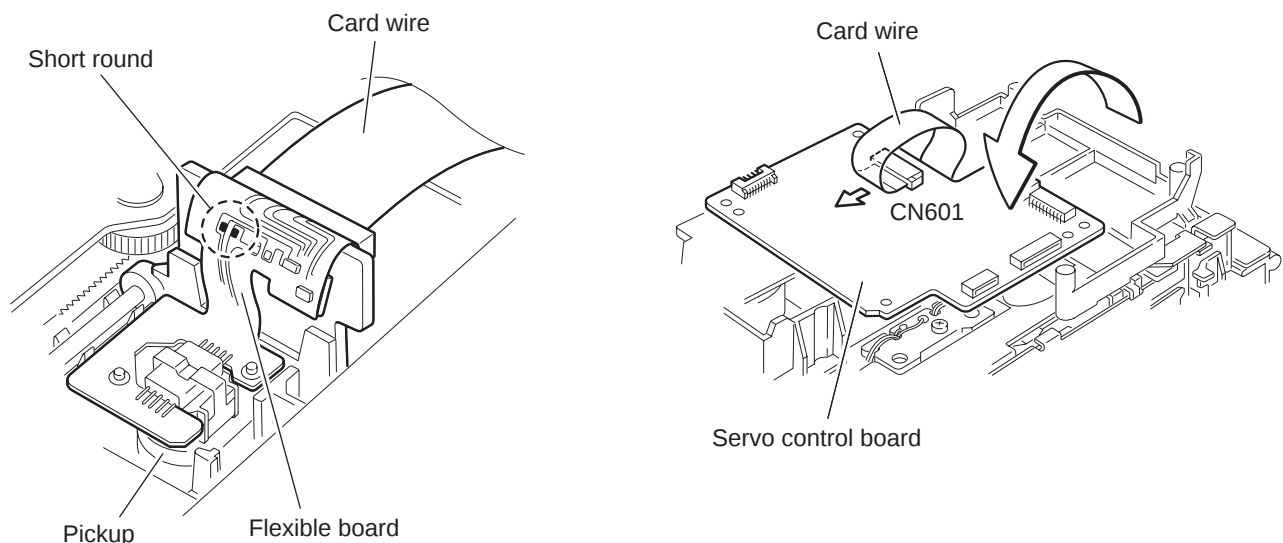
1.7 Handling the traverse unit (optical pickup)

- (1) Do not subject the traverse unit (optical pickup) to strong shocks, as it is a sensitive, complex unit.
- (2) Cut off the shorted part of the flexible cable using nippers, etc. after replacing the optical pickup. For specific details, refer to the replacement procedure in the text. Remove the anti-static pin when replacing the traverse unit. Be careful not to take too long a time when attaching it to the connector.
- (3) Handle the flexible cable carefully as it may break when subjected to strong force.
- (4) It is not possible to adjust the semi-fixed resistor that adjusts the laser power. Do not turn it.

1.8 Attention when traverse unit is decomposed

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

- Apply solder to the short land sections before the flexible wire is disconnected from the connector CN101 on the CD servo board. (If the flexible wire is disconnected without applying solder, the CD 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.



1.9 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 compact disc 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 herein 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.

VARNING : Osynlig laserstrålning är denna del är öppnad och spårren är urkopplad. Betrakta ej strålen.

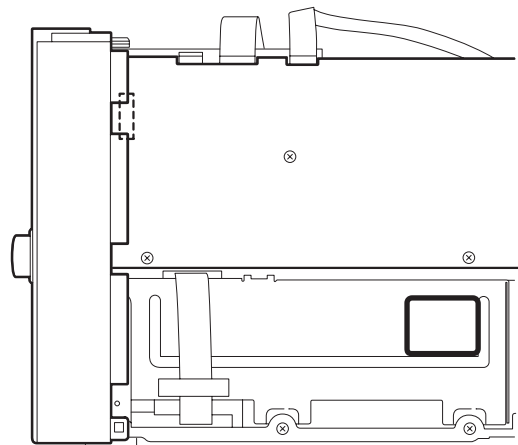
VARO : Avattaessa ja suojalukitus ohitettaessa olet alttiina näkymättömälle lasersäteilylle. Älä katso säteeseen.

ADVARSEL : Usynlig laserstrålning ved åbning , når sikkerhedsafbrydere er ude af funktion. Undgå udsættelse for stråling.

ADVARSEL : Usynlig laserstrålning ved åpning,når sikkerhetsbryteren er avslott. unngå utsettelse for stråling.

REPRODUCTION AND POSITION OF LABEL and PRINT

WARNING LABEL and PRINT



SECTION 2

SPECIFIC SERVICE INSTRUCTIONS

This service manual does not describe SPECIFIC SERVICE INSTRUCTIONS.

SECTION 3 DISASSEMBLY

3.1 Main body

3.1.1 Removing the metal cover (See Fig.1 ~ 3)

- (1) Remove the six screws **A** on the back of the body.
- (2) Remove the two screws **B** on the right and left sides of the body.
- (3) Detach the rear side of the metal cover upward while pulling the bottom of each side, and remove the metal cover.

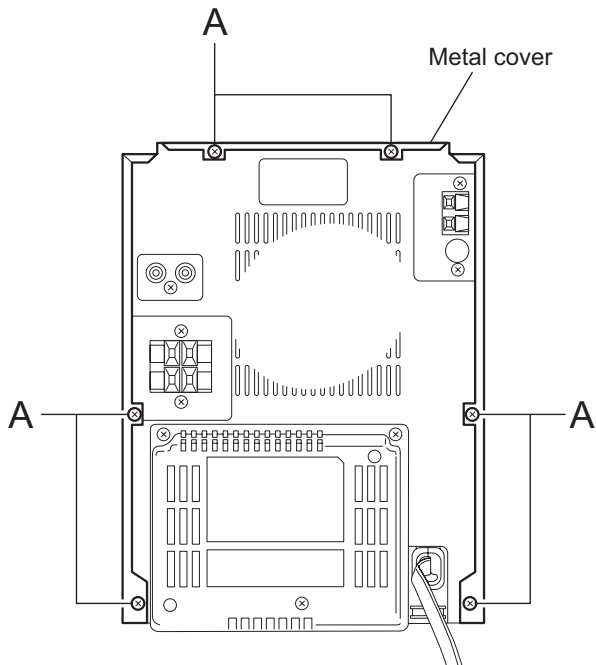


Fig.1

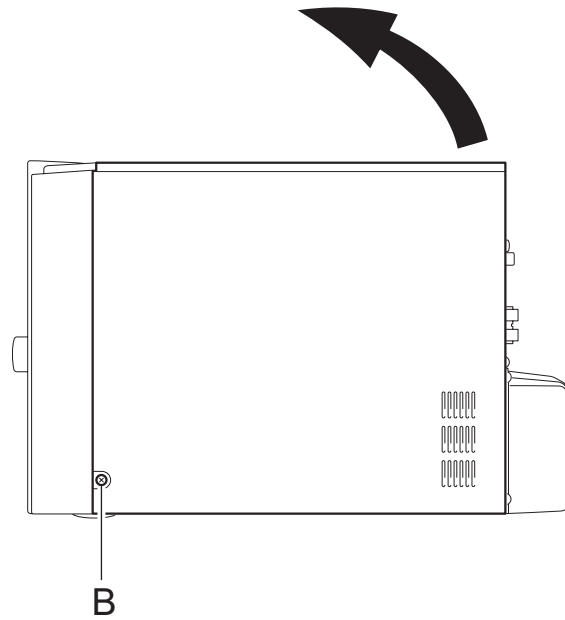


Fig.2

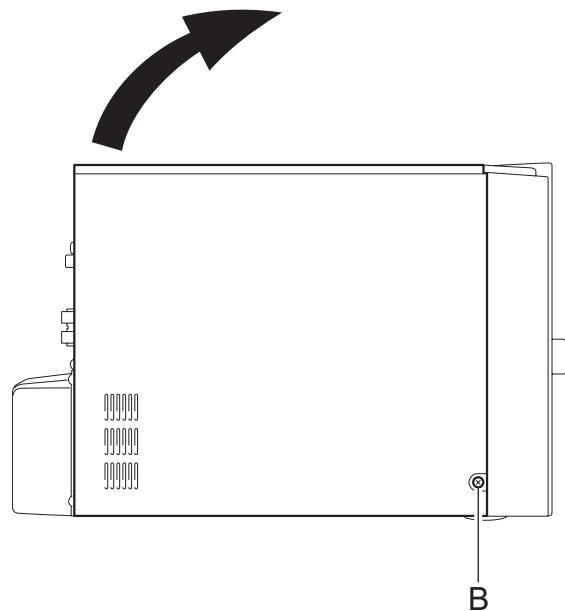
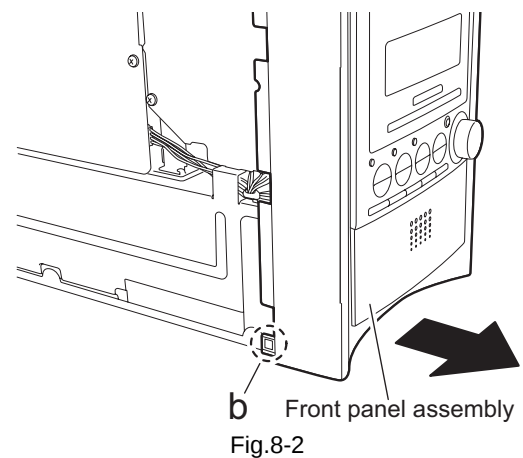
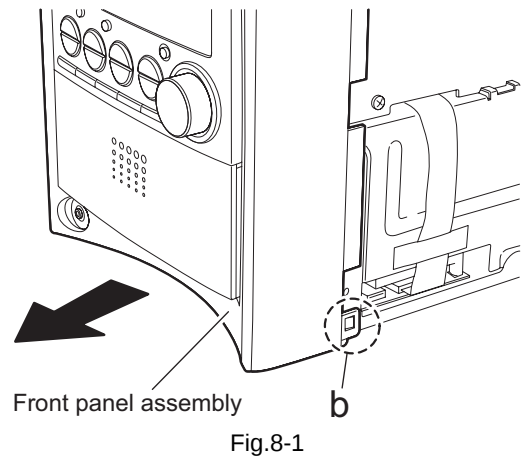
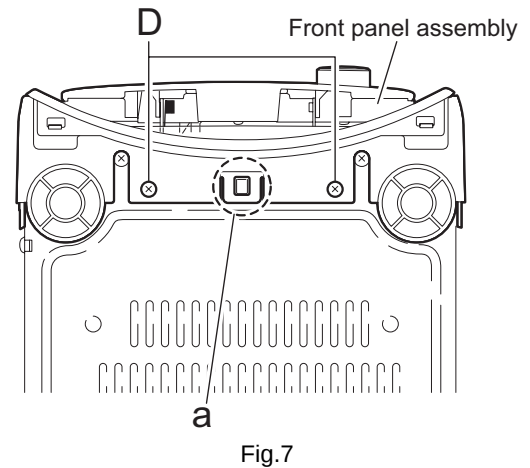
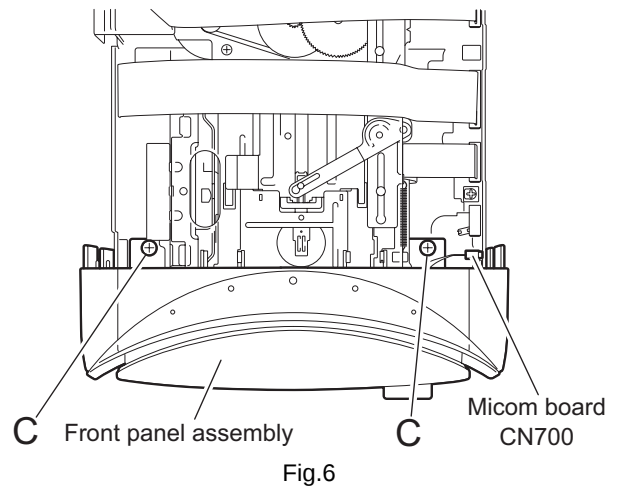
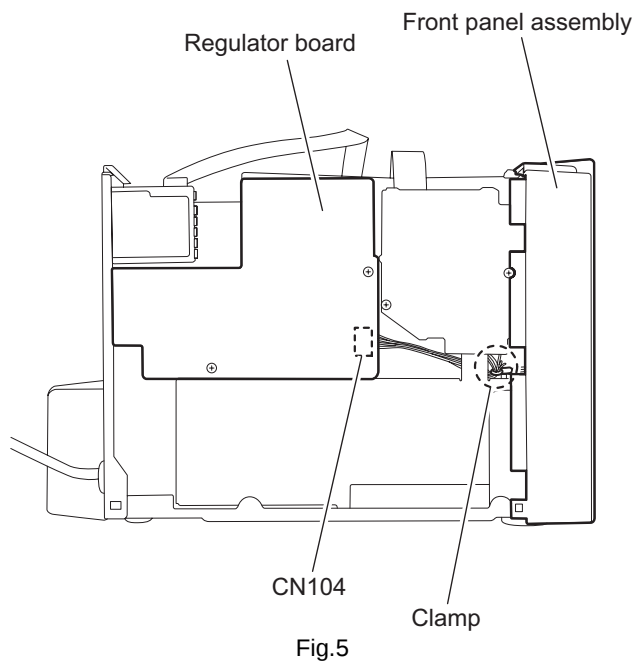
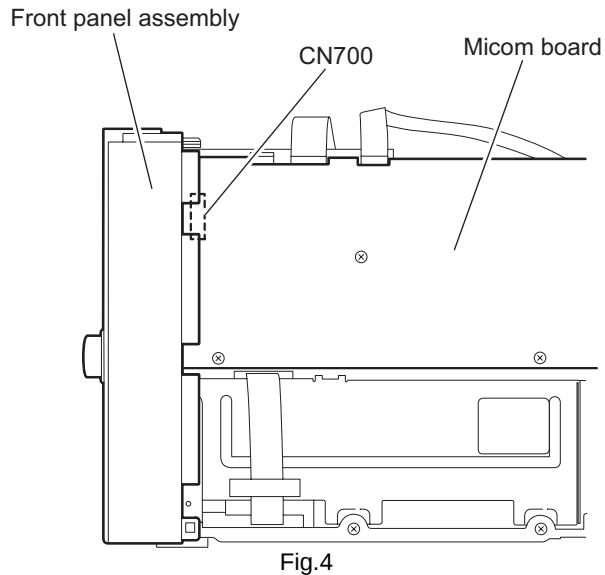


Fig.3

3.1.2 Removing the front panel assembly (See Fig.4 ~ 8-2)

- Prior to performing the following procedure, remove the metal cover.
- (1) Disconnect the card wire from connector **CN700** on the micom board on the right side of the body.
- (2) Disconnect the wire from connector **CN104** on the regulator board on the left side of the body and release the wire from the clamp.
- (3) Remove the two screws **C** on top of the body.
- (4) Remove the two screws **D** on the bottom of the body.
- (5) Release the joint **a** on the bottom and the joint **b** on each side of the body using the screwdriver. Remove the front panel assembly toward the front.



3.1.3 Removing the cassette mechanism control board (See Fig.9)

- Prior to performing the following procedure, remove the metal cover.
 - (1) Disconnect the card wire from connector **CN32** on the cassette mecha control board.
 - (2) Remove the two screws **E** on the left side of the body.
 - (3) Move the cassette mecha control board upward to release the joint **c**.
 - (4) Disconnect the wire from connector **CN31** on the inside of the cassette mecha control board.

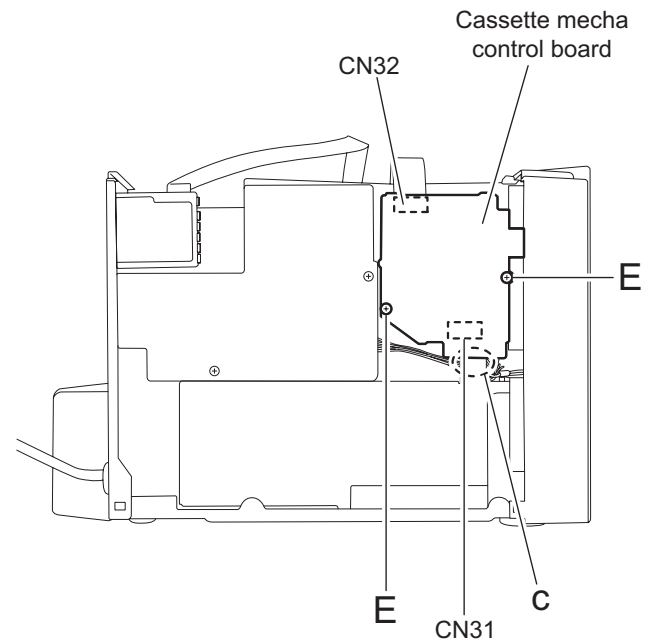


Fig.9

3.1.4 Removing the cassette mechanism assembly (See Fig.10, 11)

- Prior to performing the following procedure, remove the metal cover and the cassette mechanism control board.
 - (1) Disconnect the card wire from connector **CN791** on the micom board.
 - (2) Disconnect the wire from connector on the Motor board in the rear of the cassette mechanism assembly.
 - (3) Remove the two screws **C** and the two screws **F** on top of the body.

Move the rear side of the cassette mechanism assembly upward and remove.
(The chassis bkt. comes off with the cassette mechanism assembly).

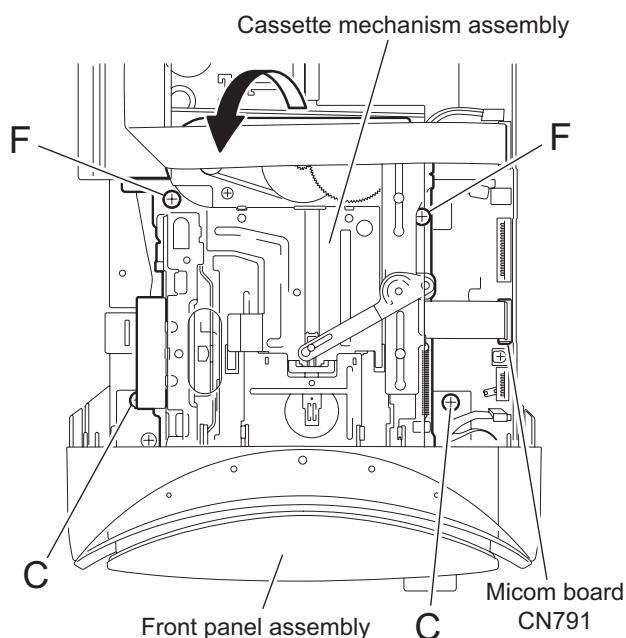


Fig.10

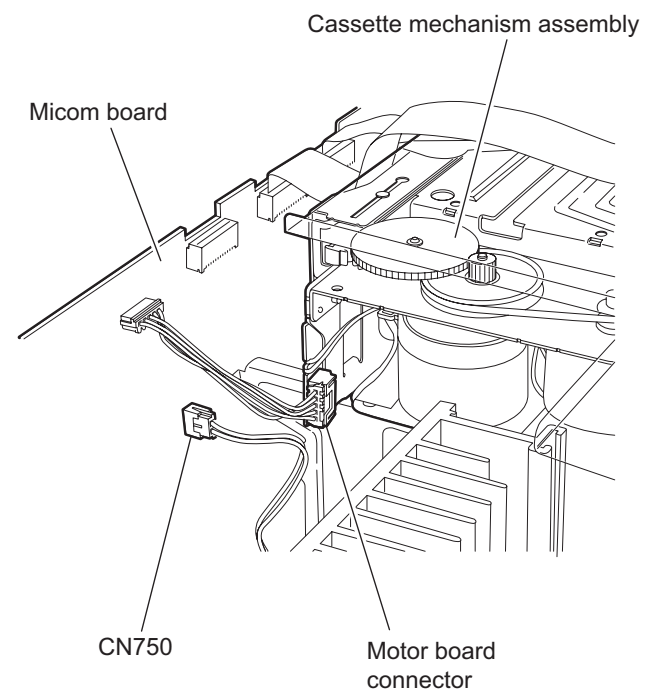


Fig.11

3.1.5 Removing the tuner assembly (See Fig.12)

- Prior to performing the following procedure, remove the metal cover.
- (1) Disconnect the card wire from the tuner assembly.
- (2) Remove the two screws **G** from the rear panel on the back of the body.

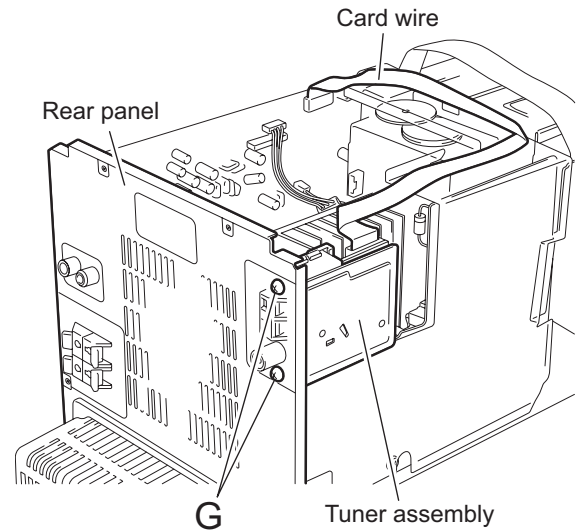


Fig.12

3.1.6 Removing the rear cover/ rear panel (See Fig.13 ~ 15)

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

Reference:

The rear panel comes off with the tuner assembly. Remove the tuner assembly if necessary.

- (1) Remove the three screws **H** attaching the rear cover on the back of the body.
- (2) Remove the three screws **I** attaching the rear panel on the back of the body.
- (3) Release the two joints **d** on the right and left bottom of the rear panel.

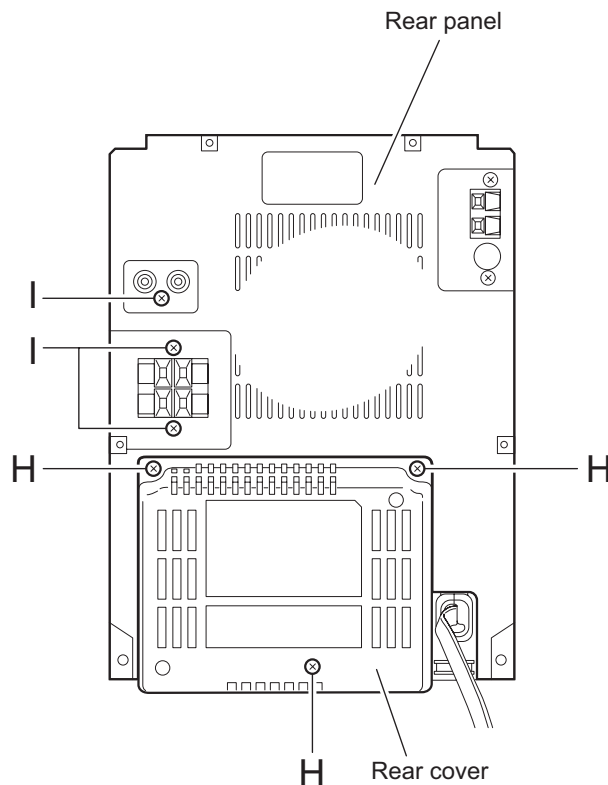


Fig.13

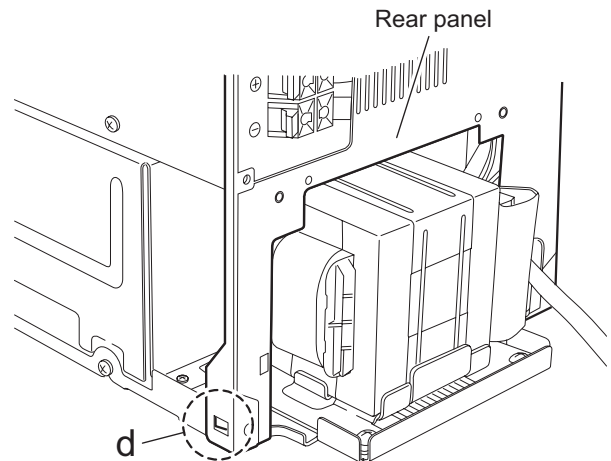


Fig.14

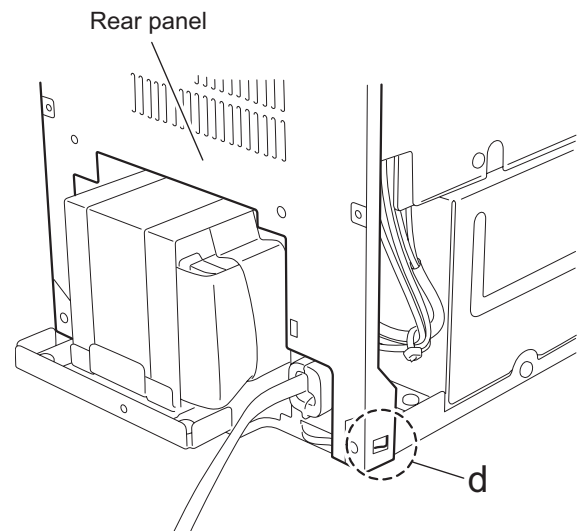


Fig.15

3.1.7 Removing the micom board (See Fig.16, 17)

- Prior to performing the following procedure, remove the metal cover and the rear panel.
 - (1) Disconnect the card wire from connector [CN700](#), [CN790](#) and [CN791](#) on the micom board.
 - (2) Disconnect the wire from connector [CN750](#) and [CN760](#) on the micom board.
 - (3) Disconnect the wire from connector on the Motor board in the cassette mechanism assembly.
 - (4) Remove the three screws **J** attaching the micom board on the right side of the body.
 - (5) Disconnect connector [CN761](#) and [CN762](#) on the micom board from the heat sink board outward.
 - (6) Disconnect the card wire from connector [CN765](#) on the underside of the micom board.

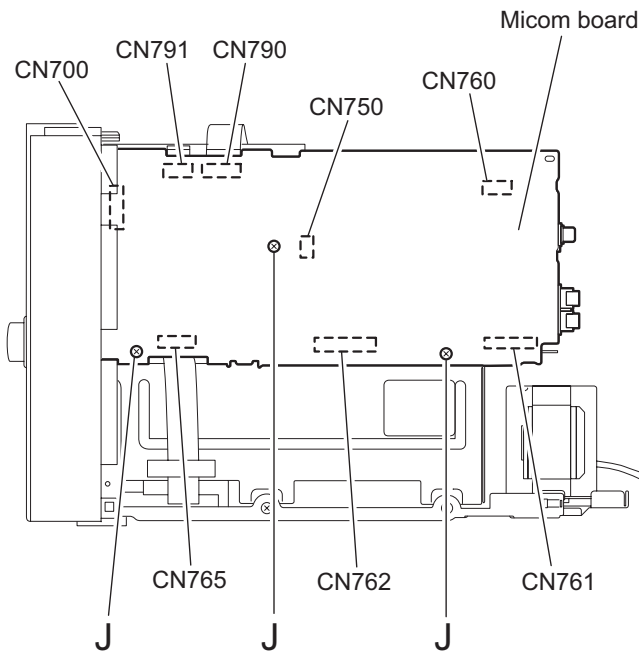


Fig.16

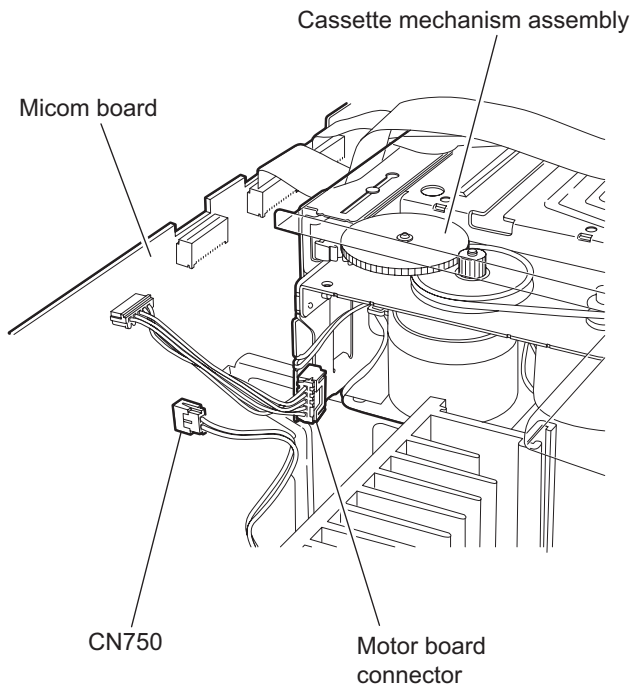


Fig.17

3.1.8 Removing the regulator board (See Fig.18)

- Prior to performing the following procedure, remove the metal cover and the rear panel.
 - (1) Remove the two screws **K** on the left side of the body.
 - (2) Disconnect connector [CN103](#) on the regulator board from the heat sink board outward.
 - (3) Disconnect the wire from connector [CN100](#), [CN101](#), [CN102](#) and [CN104](#) on the regulator board respectively.

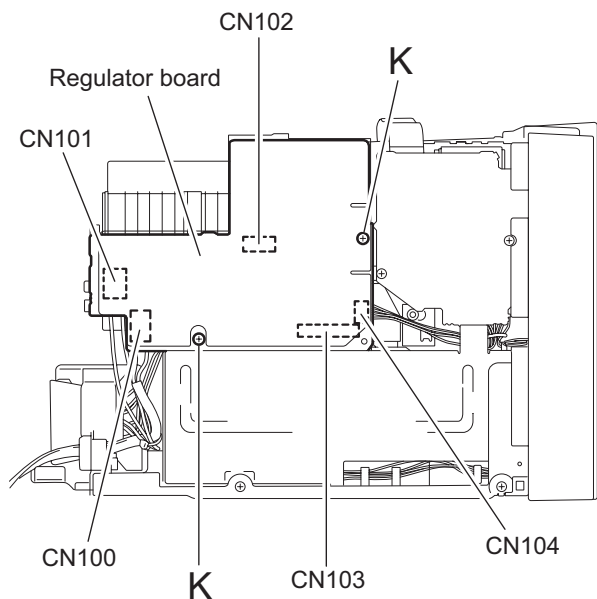
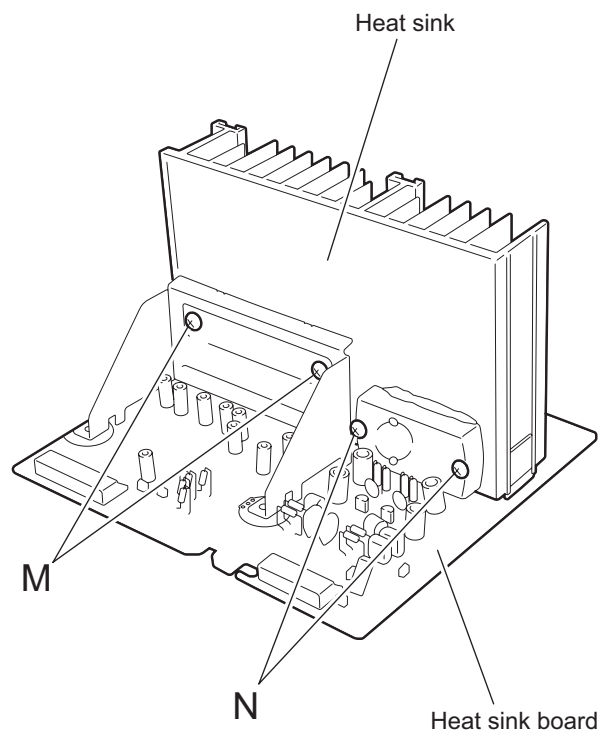
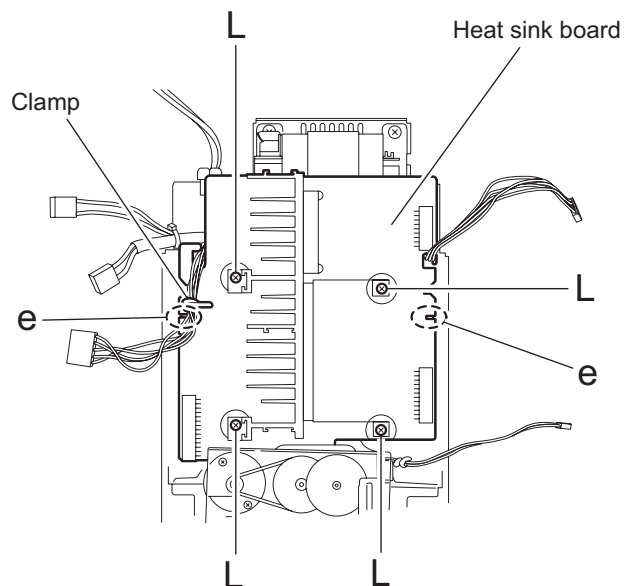


Fig.18

3.1.9 Removing the heat sink board

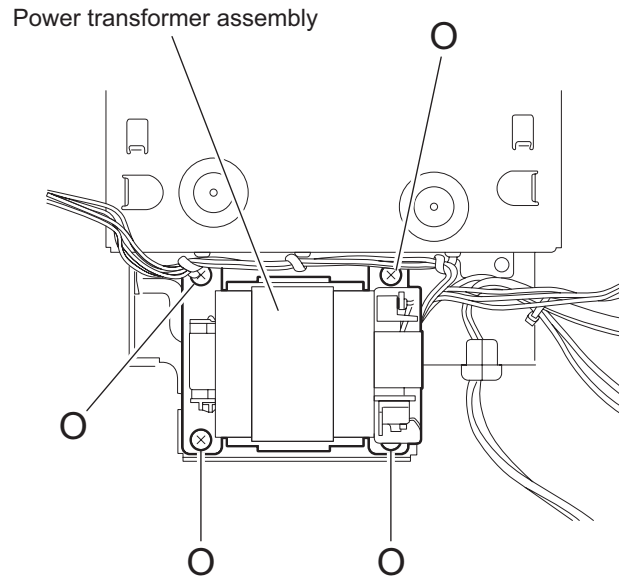
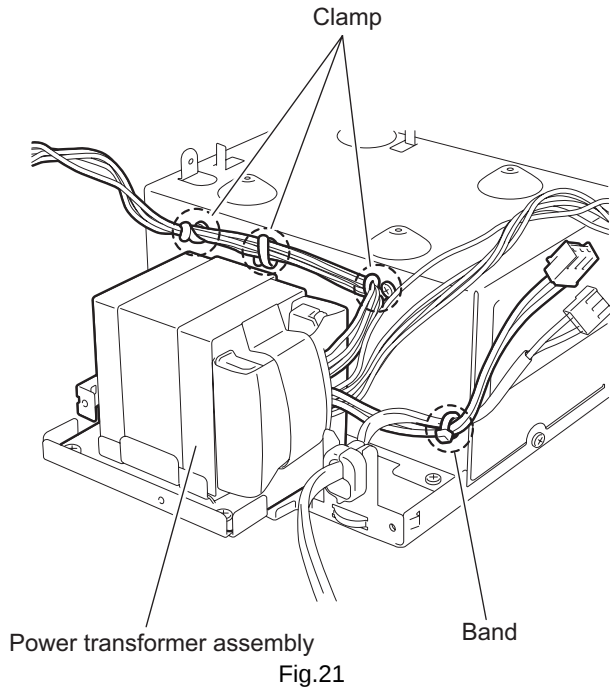
(See Fig.19, 20)

- Prior to performing the following procedure, remove the metal cover, the rear panel and the micom board/ regulator board.
 - (1) Release the wire from the clamp on the heat sink board.
 - (2) Remove the four screws **L**.
 - (3) Move the heat sink board upward to release from the main chassis at the two joints **e**.
 - (4) Remove the two screws **M** and the two screws **N** attaching the heat sink.



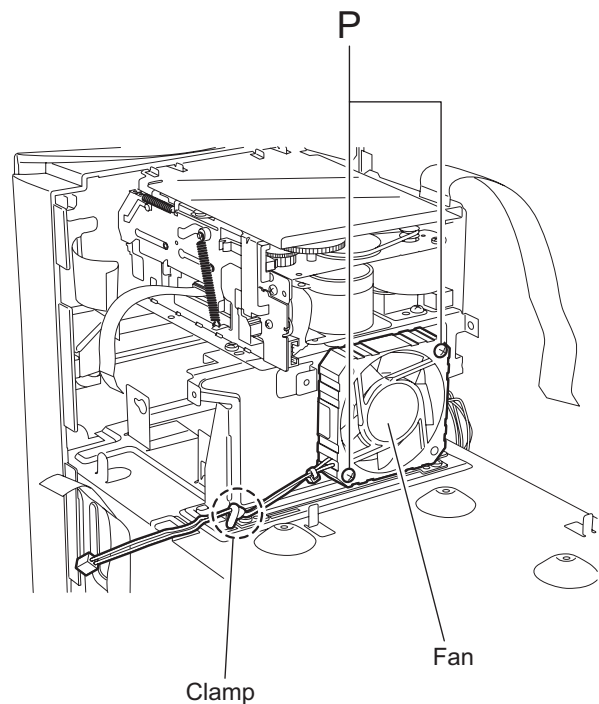
3.1.10 Removing the power transformer assembly (See Fig. 21, 22)

- Prior to performing the following procedure, remove the metal cover, the rear panel, the micom board/ regulator board and heat sink board.
 - (1) Release the wire from the three clamps on the main chassis and cut the band.
 - (2) Remove the four screws **O** attaching the power transformer assembly.



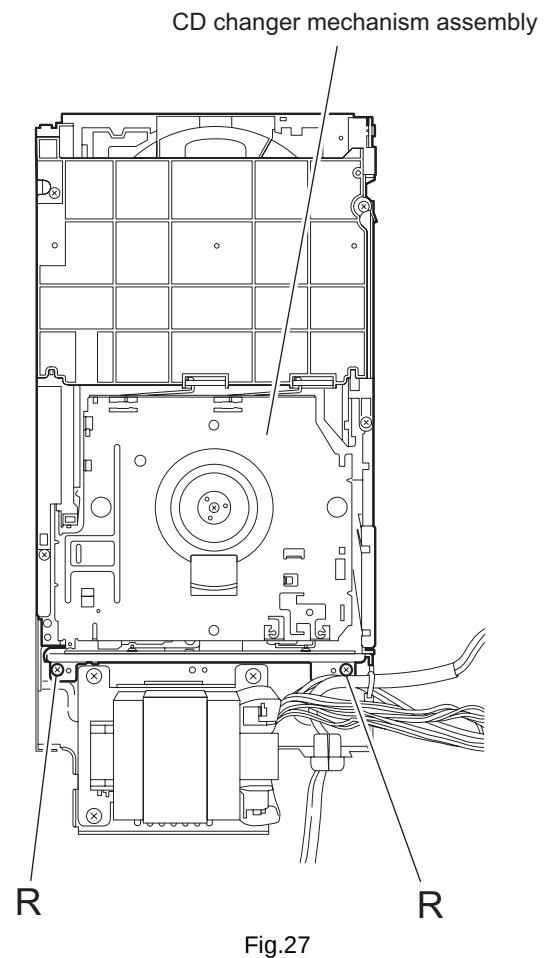
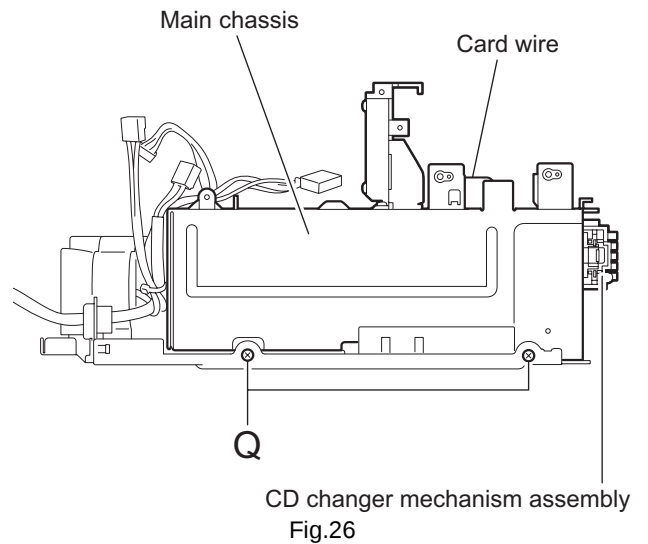
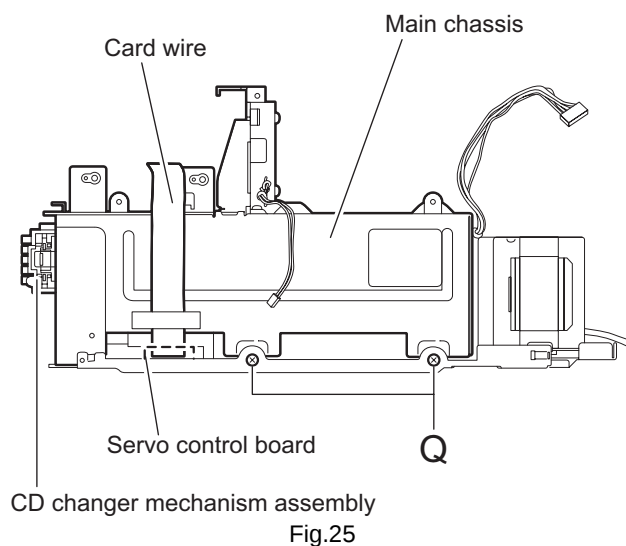
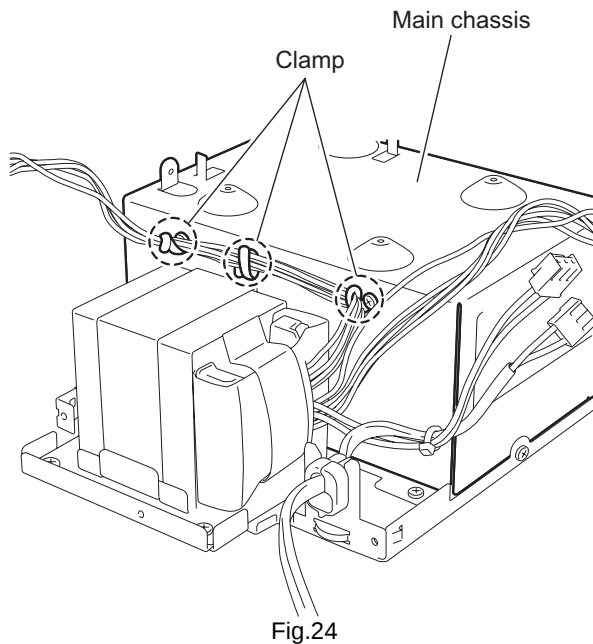
3.1.11 Removing the fan (See Fig.23)

- Prior to performing the following procedure, remove the metal cover; the rear panel, and the micom board/ regulator board/ heat sink board.
 - (1) Remove the two screws **P** attaching the fan.
 - (2) Release the wire from the clamp.



3.1.12 Removing the 5 CD changer mechanism assembly (See Fig.24 ~ 30)

- Prior to performing the following procedure, remove the metal cover, the cassette mechanism control board, the cassette mechanism assembly, the front panel assembly, the rear panel, and the micom board/ regulator board/ heat sink board.
- (1) Release the wire extending from the power transformer from the three clamps in the rear of the main chassis.
 - (2) Disconnect the card wire from the servo control board in the CD changer mechanism assembly.
 - (3) Remove the four screws **Q** attaching the main chassis on the right and left sides, and detach the main chassis upward.
 - (4) Remove the two screws **R** in the rear of the CD changer mechanism assembly and remove the two screws **S** on the bottom. Remove the CD changer from the bottom chassis.
 - (5) Remove the two screws **T** attaching the CD bkt.(F).
 - (6) Remove the two screws **U** attaching the CD bkt.(R).



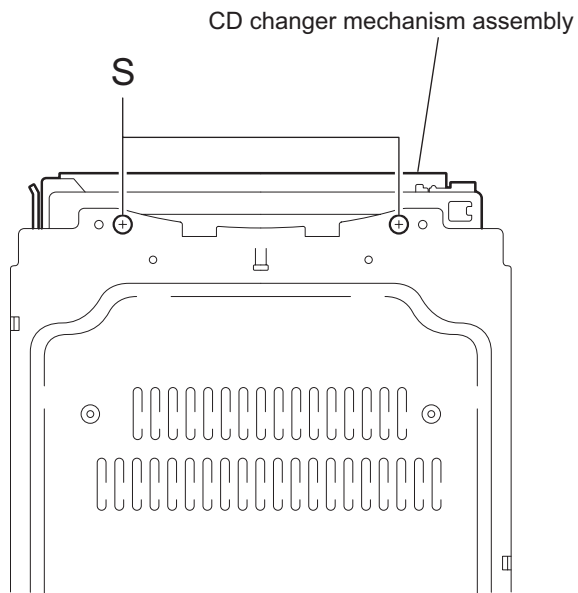


Fig.28

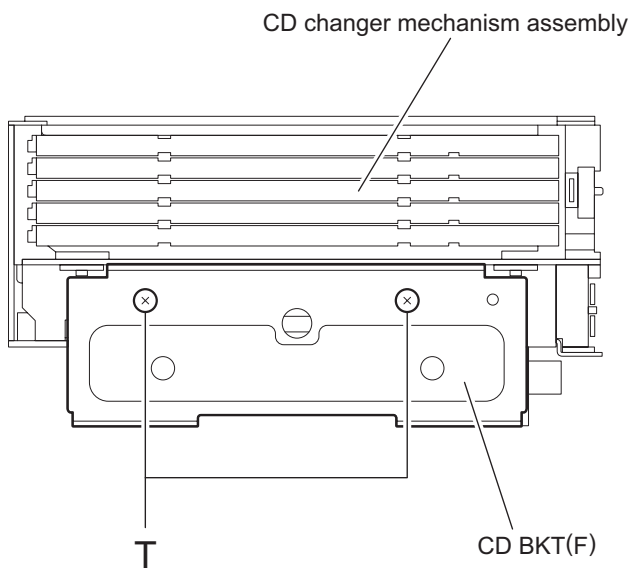


Fig.29

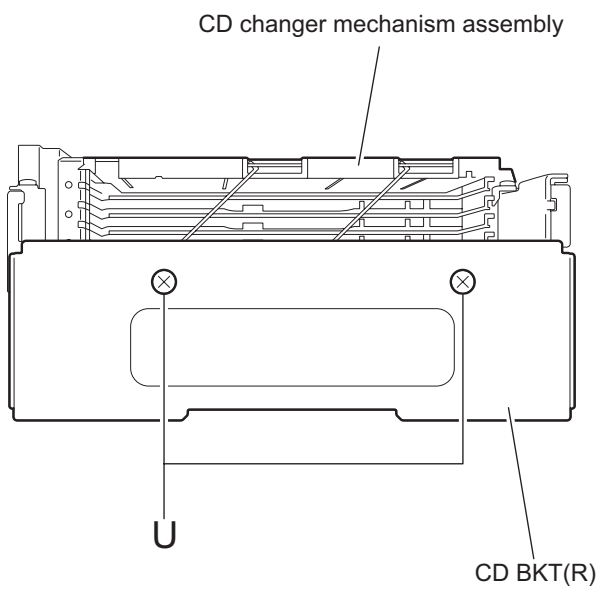


Fig.30

3.2 Front panel assembly

- Prior to performing the following procedure, remove the metal cover, the cassette mechanism control board, the cassette mechanism assembly and the front panel assembly.

3.2.1 Removing the front assembly section

(See Fig.31)

- (1) Remove the four screws **V** attaching the front assembly section.

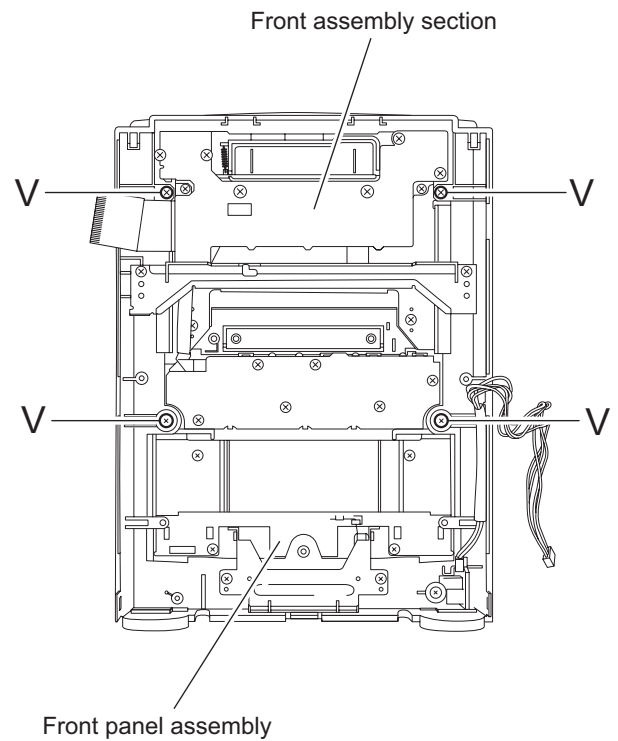
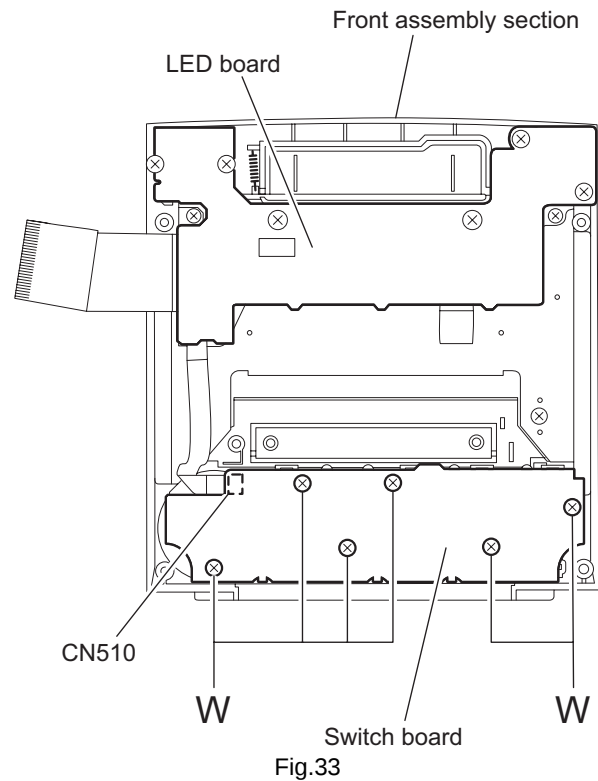
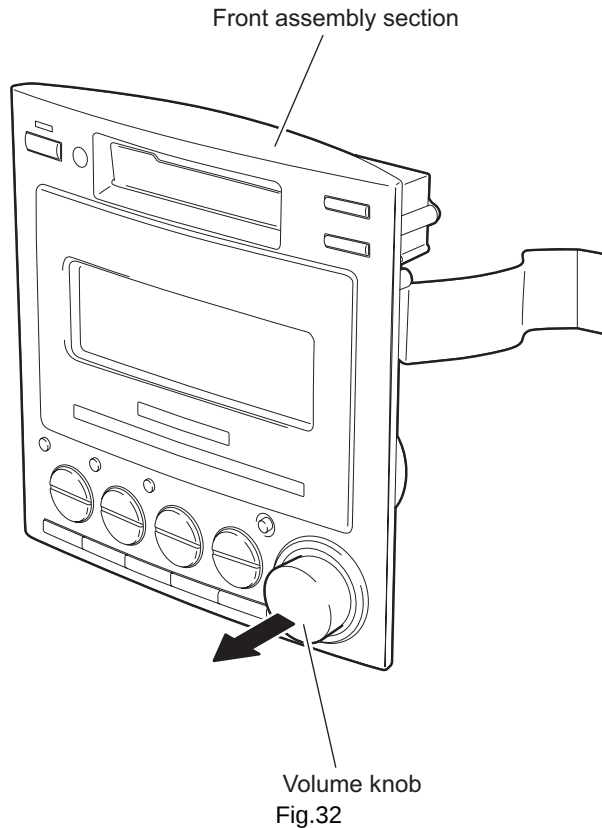


Fig.31

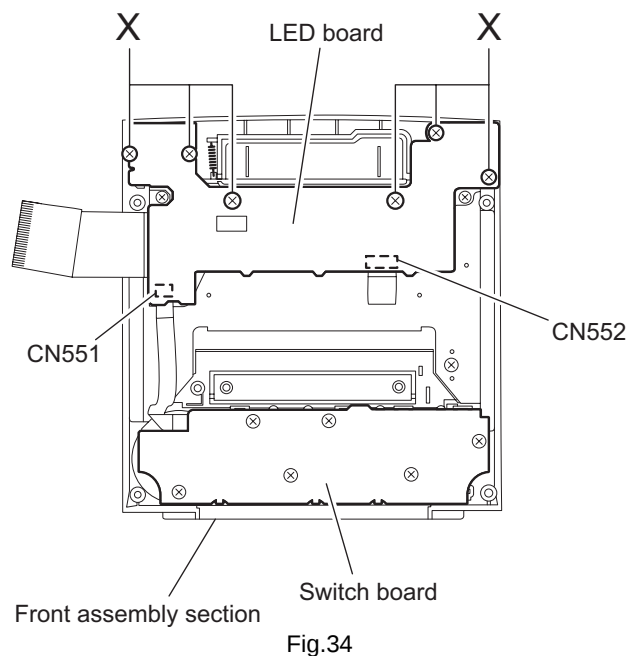
3.2.2 Removing the switch board (See Fig.32, 33)

- Prior to performing the following procedure, remove the front assembly section.
 - (1) Pull out the volume control knob on the front side of the front assembly section.
 - (2) Disconnect the card wire from connector [CN510](#) on the switch board.
 - (3) Remove the six screws **W** attaching the switch board.



3.2.3 Removing the LED board (See Fig.34)

- Prior to performing the following procedure, remove the front assembly section.
 - (1) Disconnect the card wire from connector [CN551](#) and [CN552](#) on the LED board.
 - (2) Remove the six screws **X** attaching the LED board.



3.2.4 Removing the FL display (See Fig.35 ~ 37)

- Prior to performing the following procedure, remove the front assembly section and the LED board.
- (1) Remove the four screws **Y** attaching the lens holder. Remove the lens holder, the cover sheet and the LED lens respectively.
- (2) Pull out the FL display from the front assembly section.

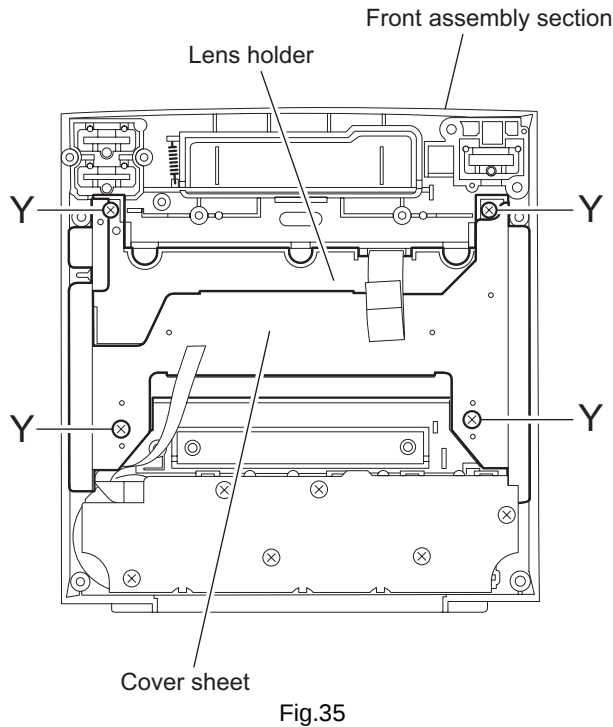


Fig.35

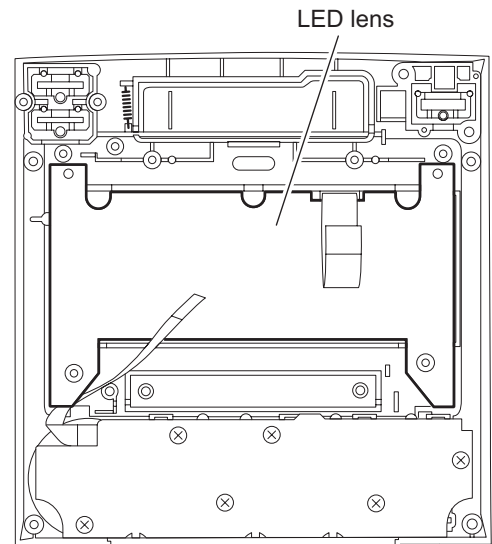


Fig.36

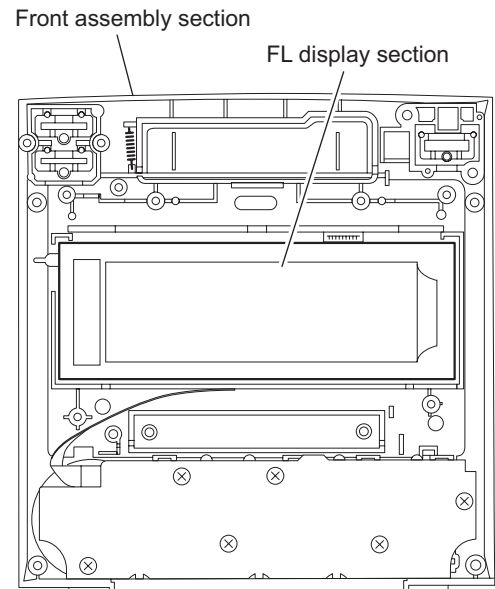


Fig.37

3.2.5 Removing the headphone board (See Fig.38)

- (1) From the back of the front panel, remove the spacer setting the wire.
- (2) Remove the screw **Z** attaching the headphone board.

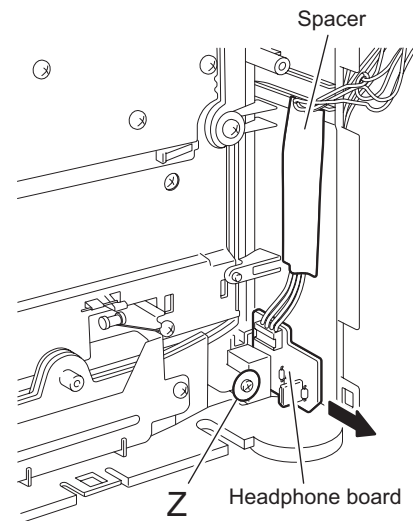


Fig.38

3.3 CD changer mechanism

3.3.1 Removing the tray assembly

(See Fig.1 ~ 5)

- (1) Remove the two screws **A** from the top cover and release the two joints **a** on both sides of the body.
- (2) Remove the top cover with the two rods attached to the top cover and lifter assembly respectively.
- (3) Remove the open det lever on the left side of the body.
- (4) Push part **b** of the slide (R) assembly on the right side of the body to unlock the tray assembly. Draw out the trays toward the front.

Attention:

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

- (5) From top of the body, move the stopper tab **c** in the direction of the arrow and release. Pull out the tray assemblies from the body.

Caution:

Remove the tray assembly from top tray 5 in order.

Attention:

When reattaching the sub tray of the tray assembly, or when removing the CD remaining inside, refer to another section.

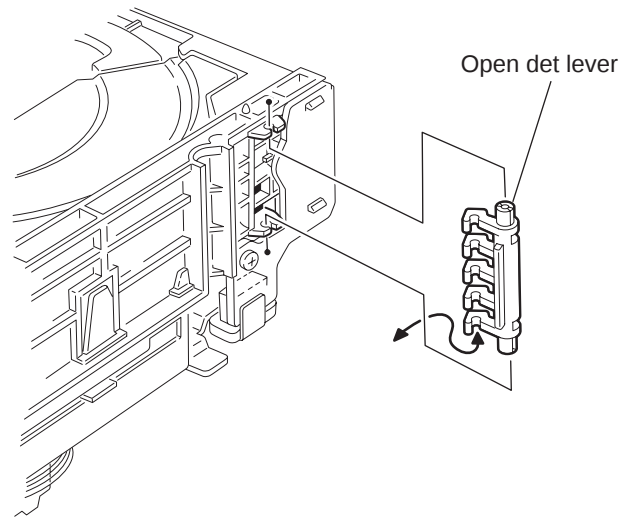


Fig.3

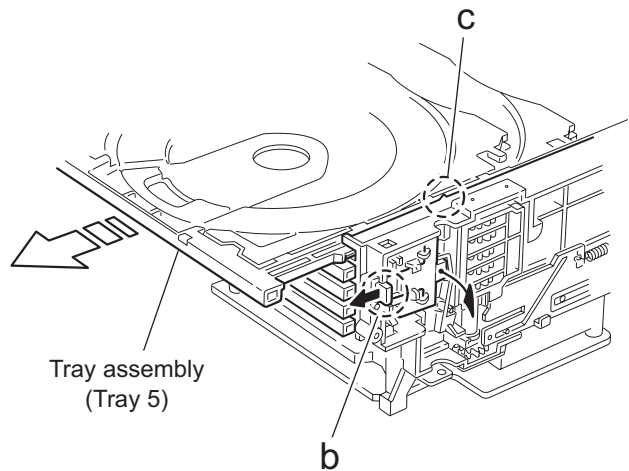


Fig.4

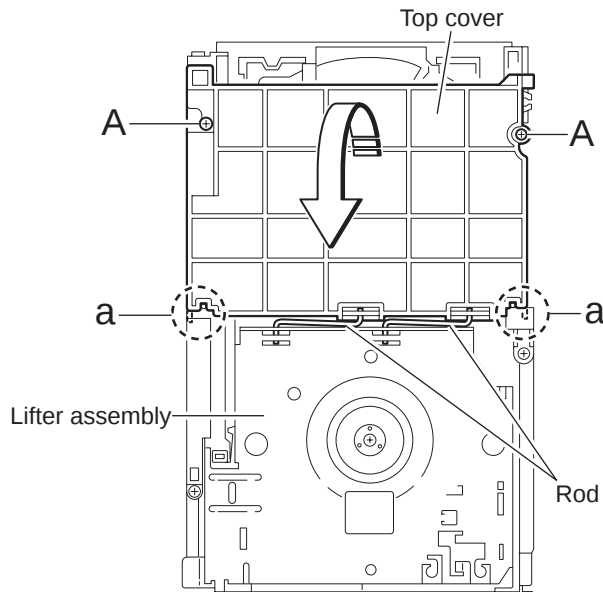


Fig.1

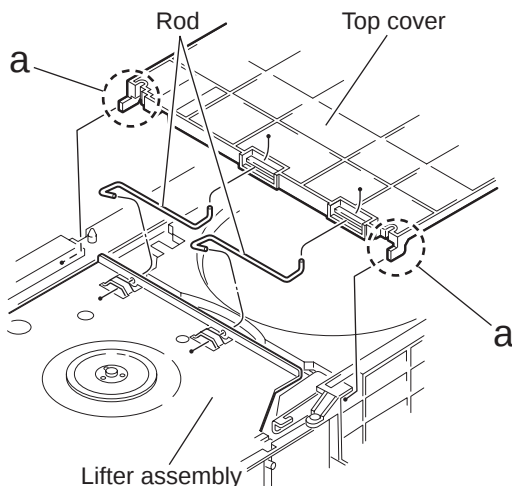


Fig.2

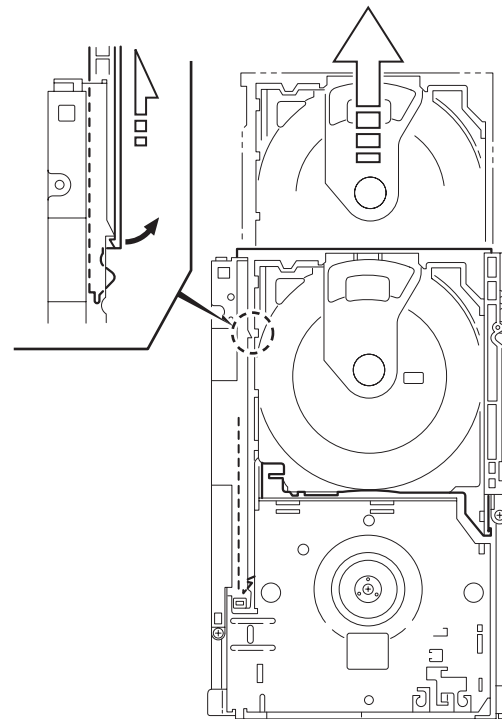


Fig.5

3.3.2 Removing the servo control board (See Fig.6 ~ 9)

Caution:

Solder the short-circuit point on the pickup before disconnecting the card wire extending from the pickup. If you do not follow this instruction, the pickup may be damaged.

- (1) Disconnect the card wire from connector [CN251](#) and each wire from connector [CN252](#), [CN253](#) and [CN602](#) on the servo control board on the bottom of the body. Disconnect the wire from joint **d**.
- (2) Solder the short round point on the flexible board of the pickup.
- (3) Remove the four screws **B** and turn the servo control board as shown in the figure.
- (4) Disconnect the card wire from connector [CN601](#) on the servo control board. Caution: Unsolder the short-circuit point after reassembling.

Caution:

When reassembling, twist the wires to be connected to connector [CN252](#) and [CN253](#) twice.

3.3.3 Removing the switch board (See Fig.9)

- (1) Disconnect the wires from connector [CN252](#) and [CN253](#) on the servo control board.
- (2) Remove the screw **C** attaching the switch board.
- (3) Release the wires from the slot **e** of the switch board.

Caution:

When reassembling, let the wires through the slot **e** of the switch board and twist them twice.

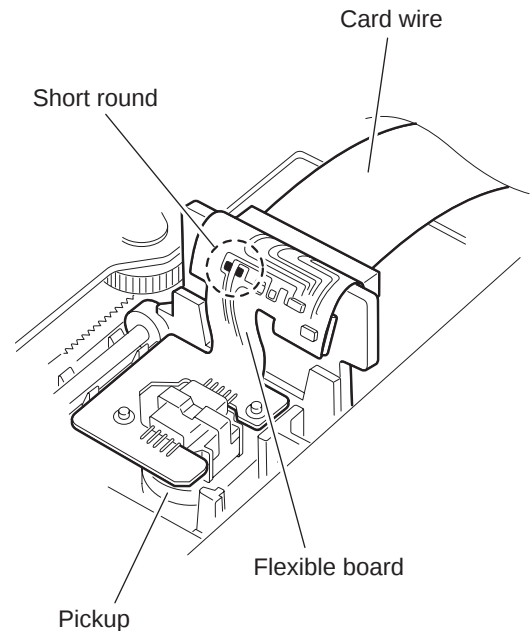
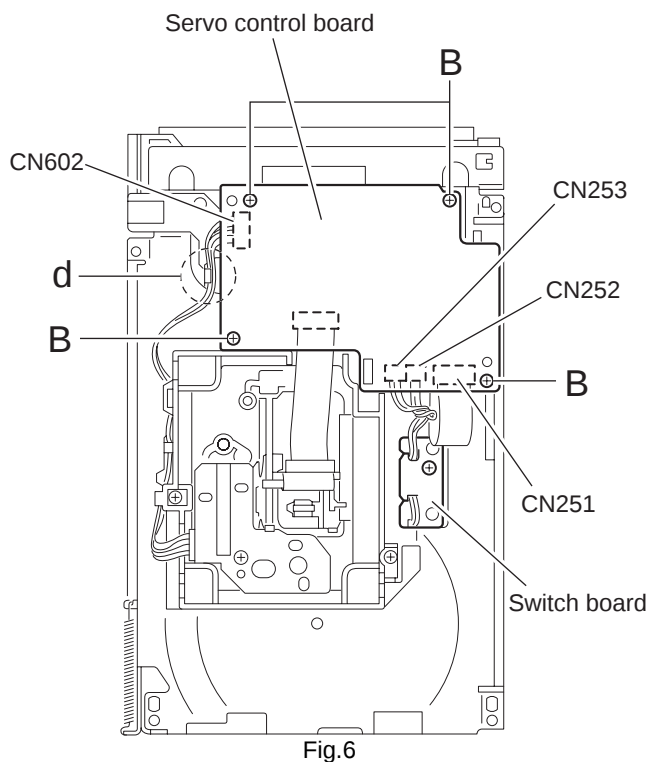


Fig.7

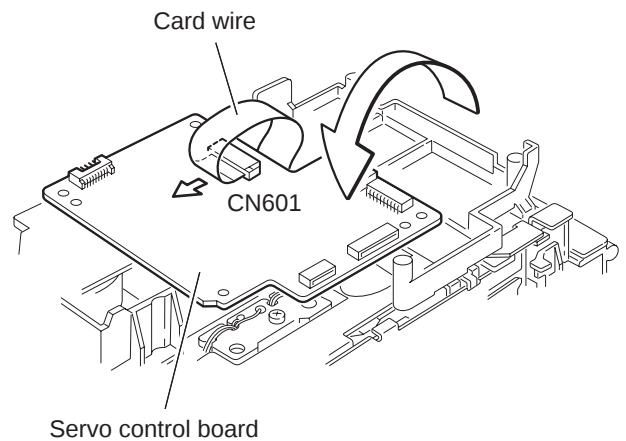


Fig.8

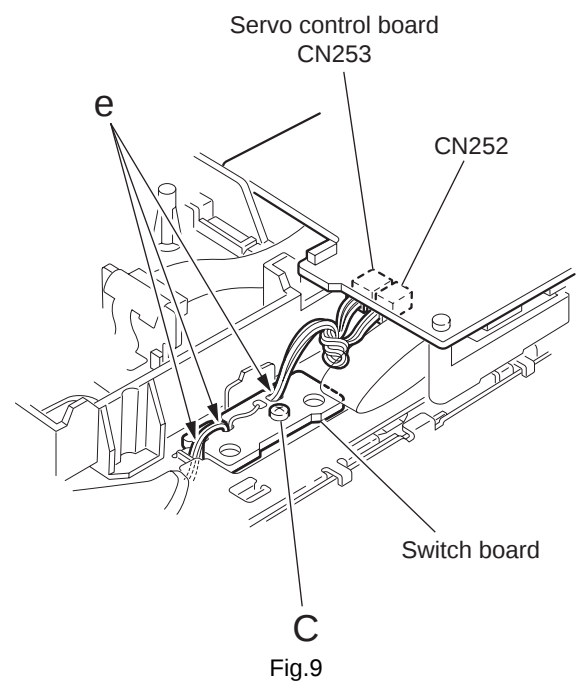


Fig.9

3.3.4 Removing the motor board (See Fig.10 , 11)

- Prior to performing the following procedure, remove the servo control board.

- (1) Turn over the body and remove the two screws **D**. Move the CD module bkt. in the direction of the arrow to release two joints **f**.
- (2) Unsolder the four soldered parts on the motor of the motor board.

Caution:

If removing the motor board with the motor, you should remove the screws attaching the motor from top of the body(Refer to another section).

- (3) Remove the two screws **E** attaching the motor board.
- (4) Remove the spacer fixing the motor board and tray switch board, and disconnect connector **CN2** on the motor board.
- (5) Disconnect the card wire from connector **CN1** on the motor board.

Caution:

When reconnecting the card wire, let the card wire through the slot **g** of the motor board and attach it to the bottom of the body using a double tape.

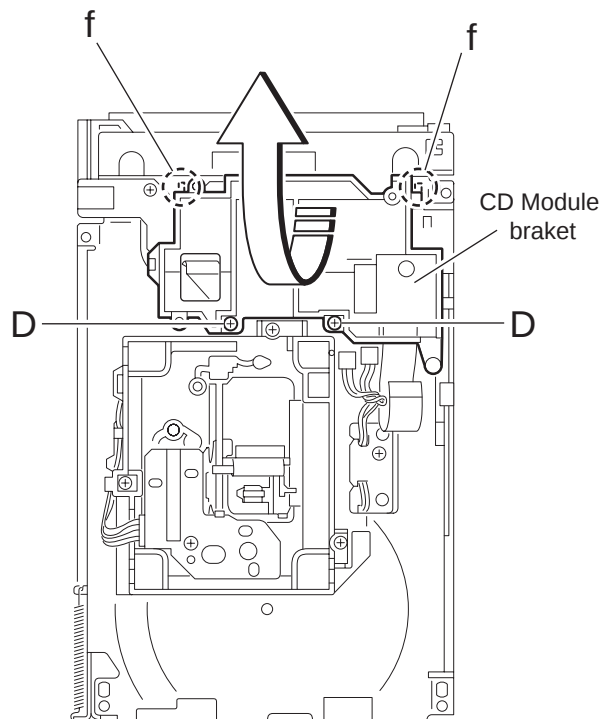


Fig.10

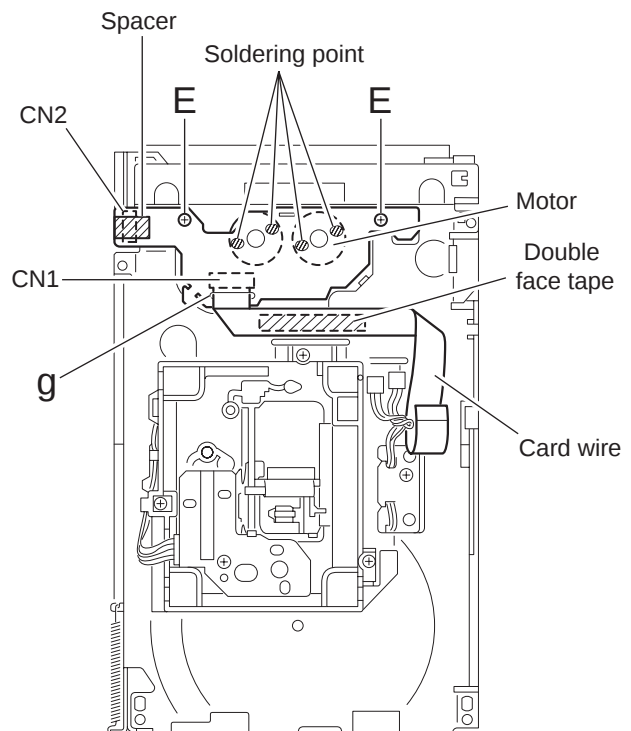
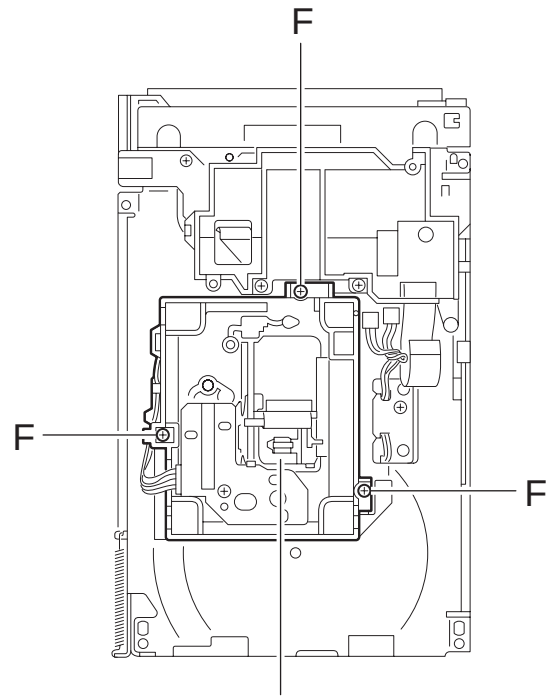


Fig.11

3.3.5 Removing the CD tramecha assembly (See Fig.12)

- Prior to performing the following procedure, remove the servo control board.
 - (1) Turn over the body and remove the three screws **F** attaching the tramecha.



CD Tramecha assembly
Fig.12

3.3.6 Removing the pickup (See Fig.13 , 14)

- Prior to performing the following procedure, remove the servo control board and CD tramecha assembly.
 - (1) From top of the CD tramecha assembly, turn the cam gear in the direction of the arrow to move the pickup assembly outward.
 - (2) Push down the stopper **h** in the direction of the arrow and pull out the shaft.
 - (3) Release the joint **i** of the pickup assembly and mecha base.
 - (4) Remove the screw **G** attaching the CD rack. Release the four tabs **j** at the bottom of the CD rack.

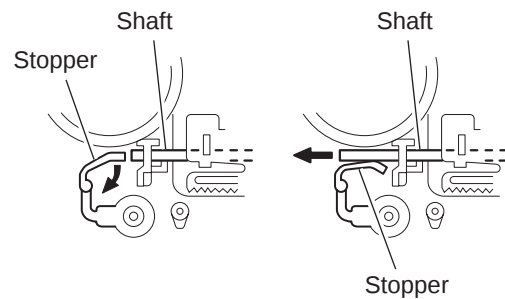
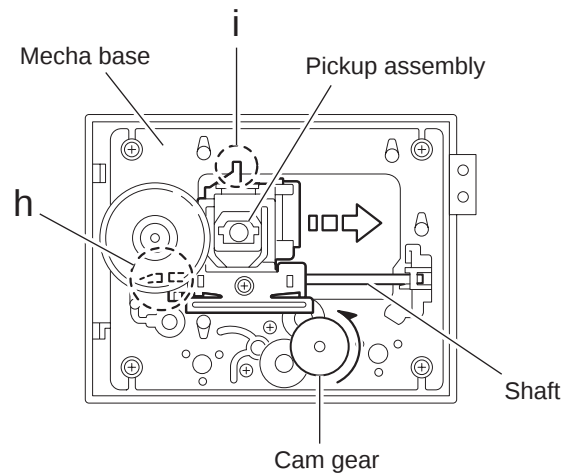


Fig.13

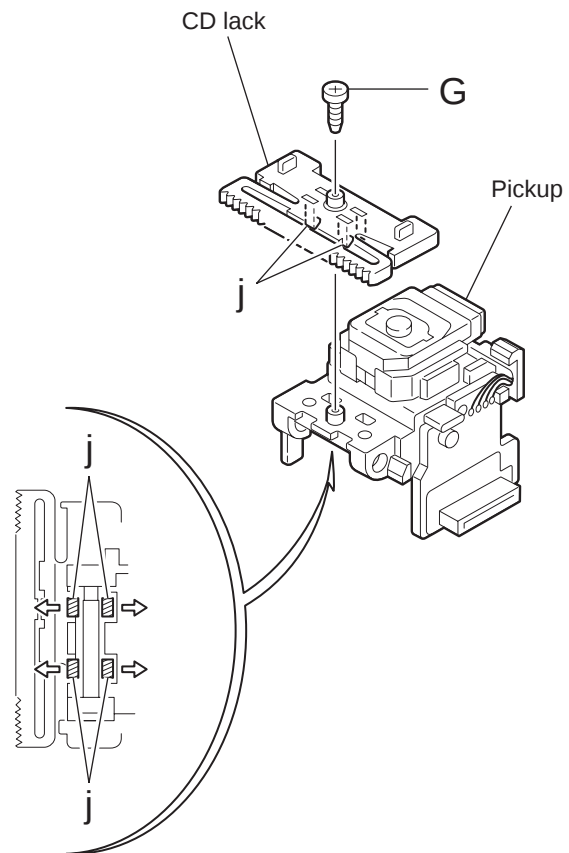


Fig.14

3.3.7 Removing the side (L)/ tray switch board (See Fig.15 ~ 17)

- Prior to performing the following procedure, remove the tray assembly.
 - (1) Remove the two screws **H** attaching the side (L) on top of the body.
 - (2) From the side of the body, remove the spacer fixing the tray switch board and motor board. Disconnect connector **CN3** on the tray switch board and detach the side (L) upward.
 - (3) Remove the screw **J** attaching the tray switch board.
 - (4) Push the joint tab **k** of the side (L) in the direction of the arrow and remove the tray switch board outward, then release joint **I**.

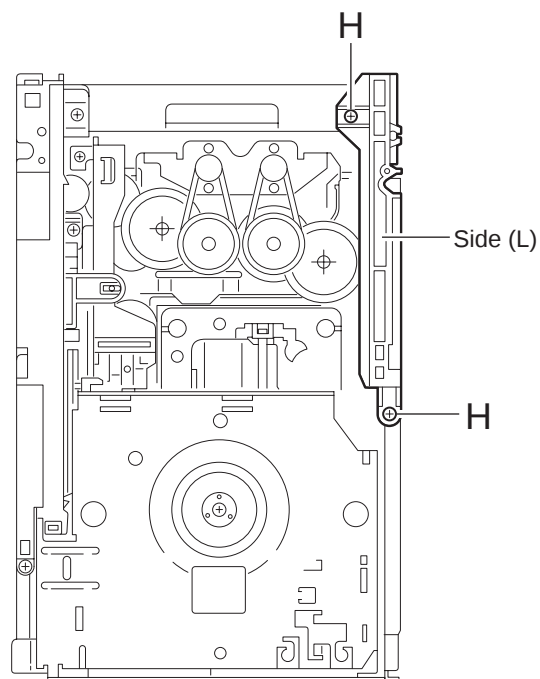


Fig.15

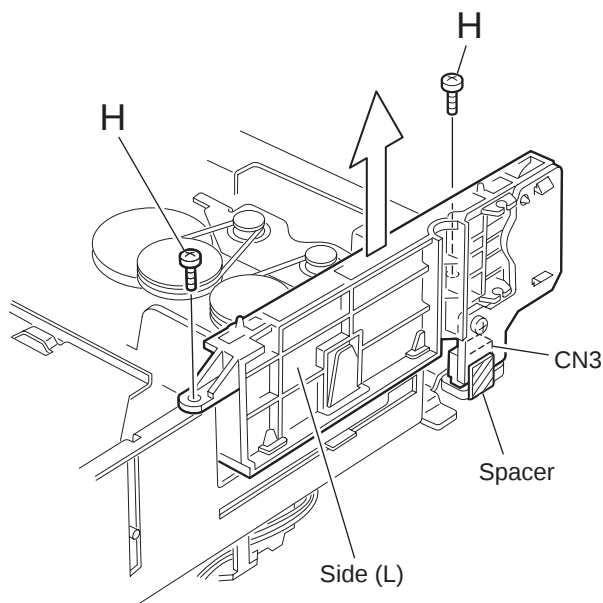


Fig.16

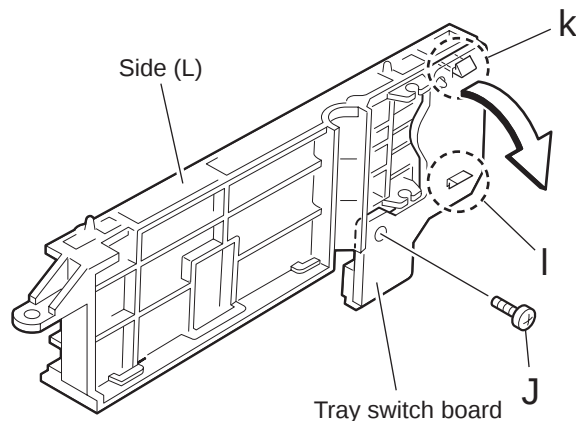


Fig.17

3.3.8 Removing the side (R) assembly (See Fig.18 ~ 22)

- Prior to performing the following procedure, remove the tray assembly.
- (1) Push and release the two tabs **m** of the gear cover through the two notches inside the side (R) assembly. Remove the gear cover outward.
- (2) Remove the spring attached to part **n** of the hook on the right side of the body.
- (3) From top of the body, turn the 1 gear clockwise to move the elevator cam rearward. Move the two slots **o** and joint **p** of the elevator cam as shown in Fig.21 and remove the elevator cam outward.
- (4) Remove the three screws **K** and detach the side (R) upward.

Caution:

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

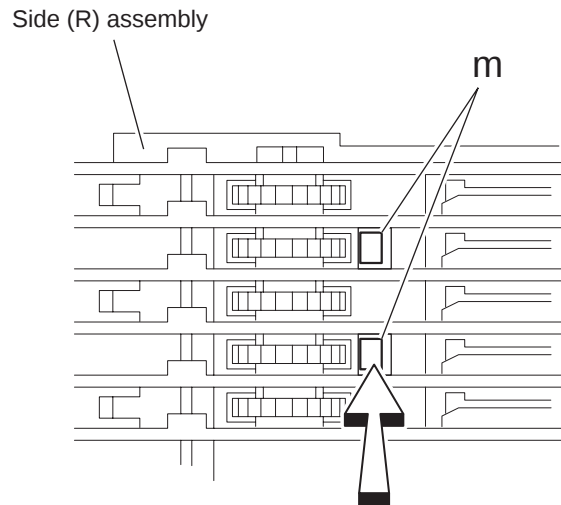


Fig.20

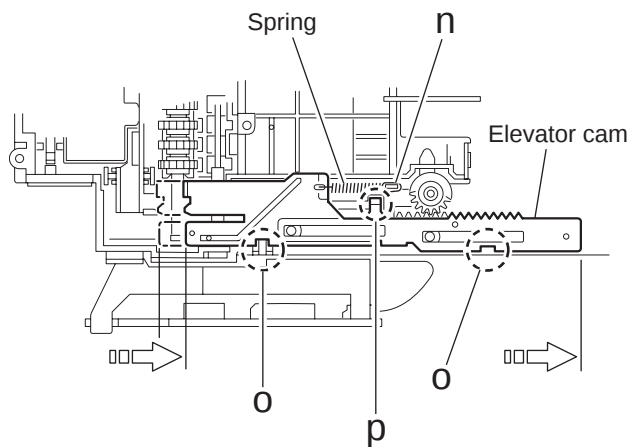


Fig.21

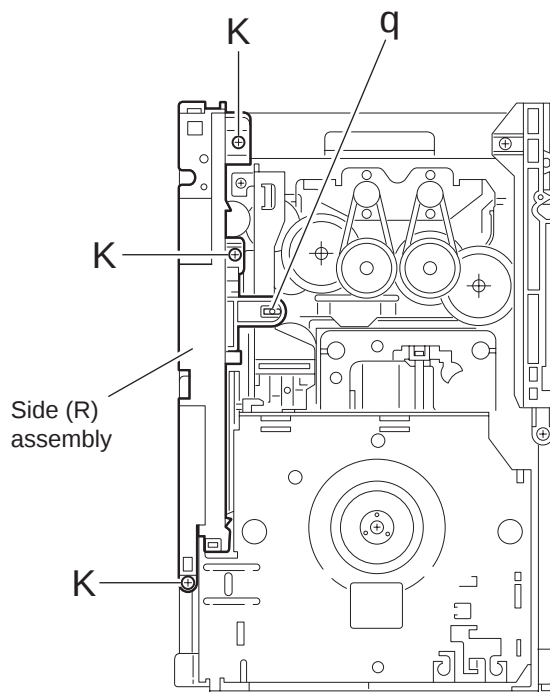


Fig.18

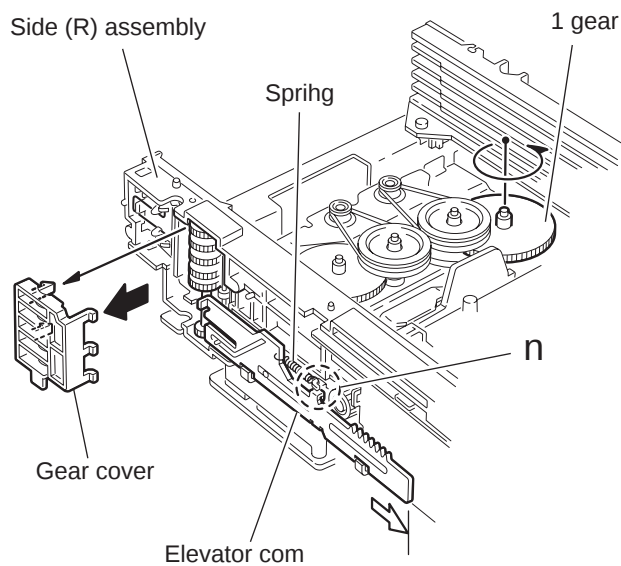


Fig.19

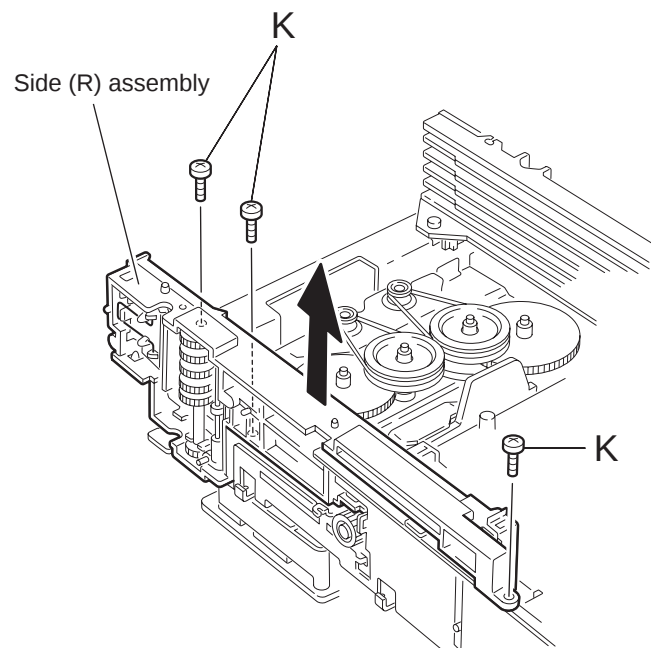
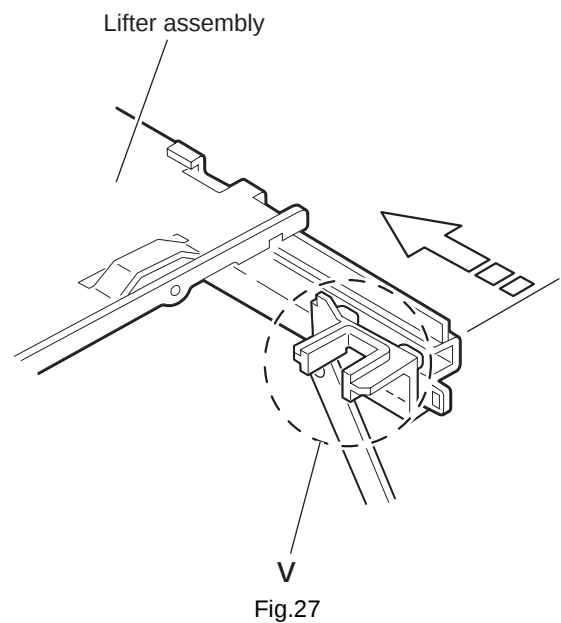
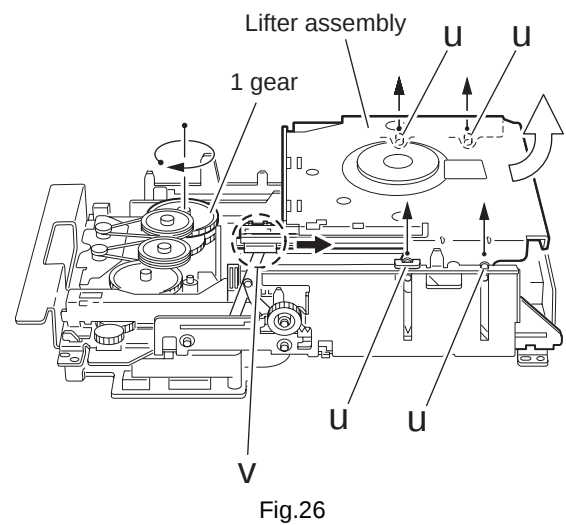
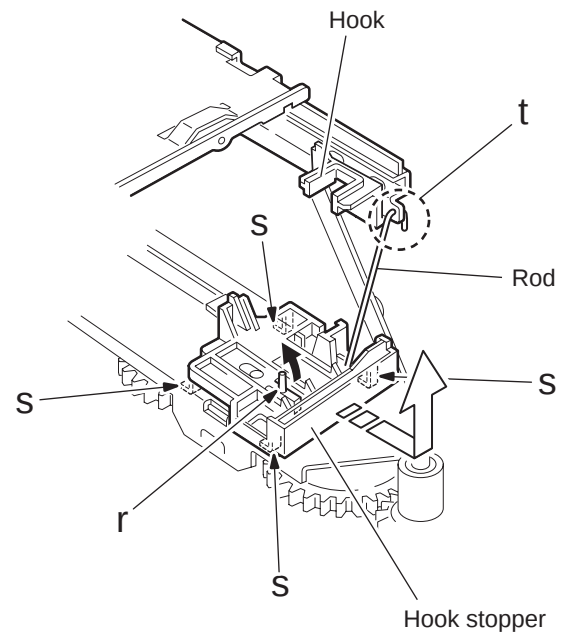
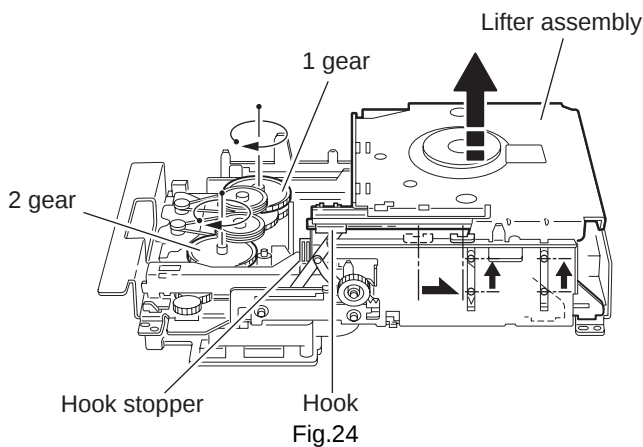
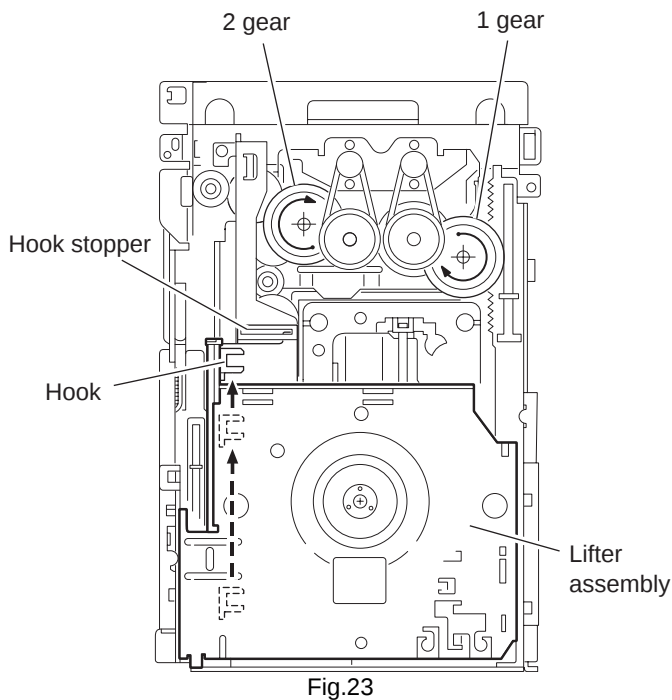


Fig.22

3.3.9 Removing the lifter assembly (See Fig.23 ~ 27)

- Prior to performing the following procedure, remove the tray assembly and side (L)/ side (R) assembly.
- (1) From top of the body, turn the 1 gear clockwise to move the lifter assembly upward as shown in Fig.24.
- (2) From top of the body, turn the 2 gear clockwise to move the hook toward the front until it stops.
- (3) Move the hook stopper in the direction of the arrow while pushing the tab **r** of the hook stopper to unlock it. Release four joints **s** to detach from the rack holder. Release the rod from part **t**.
- (4) Turn the 1 gear clockwise again to move the lifter assembly upward.
- (5) Remove the lifter assembly from the body upward at position **u** where the four pins on the right and left sides of the lifter assembly fit to the notches of the **v**. Move the lifter assembly toward the front and release from the hook.



3.3.10 Removing the rack holder assembly/ sensor assembly (See Fig.28 ~ 33)

- Prior to performing the following procedure, remove the tray assembly, side (L)/ side (R) assembly, lifter assembly.

Attention:

If the slide gear of the body places at joint **w** of the rack holder assembly, turn the 1 gear counterclockwise to move the slide gear toward the front. Remove the rack holder assembly.

- (1) Remove the three screws **J** attaching the rack holder assembly. Release joint **w** from the notch.

Caution:

When reattaching the rack holder assembly, do not nip the wire **x** extending from the sensor assembly.

- (2) Remove the two screws **M** attaching the sensor assembly.
- (3) Move the sensor assembly in the direction of the arrow to release from the slot at joint **y**.
- (4) Remove the spring attached to the bottom of the sensor assembly from the boss **z** on the sensor slider.
- (5) Remove the screw **N** and **O** attaching the sensor board and SV resister respectively. If necessary, unsolder the sensor board.

Caution:

When reattaching the SV resister, attach the sensor slider to the sensor bracket and fit the lever on the bottom of the SV resister into slot **a'** of the sensor slider.

Caution:

When reattaching the rack holder assembly, turn the 1 gear clockwise to move the slide gear and slide lever inside the body rearward.

- Let the wire extending from the sensor assembly through notch **x** to the bottom of the body.
- Fit pin **c'** of the slide lever into hole **b'** of the sensor slider on the bottom of the sensor assembly while attaching the spring to the boss **z** of the sensor slider.
- Engage joint **y** of the sensor assembly to the notch of the body.

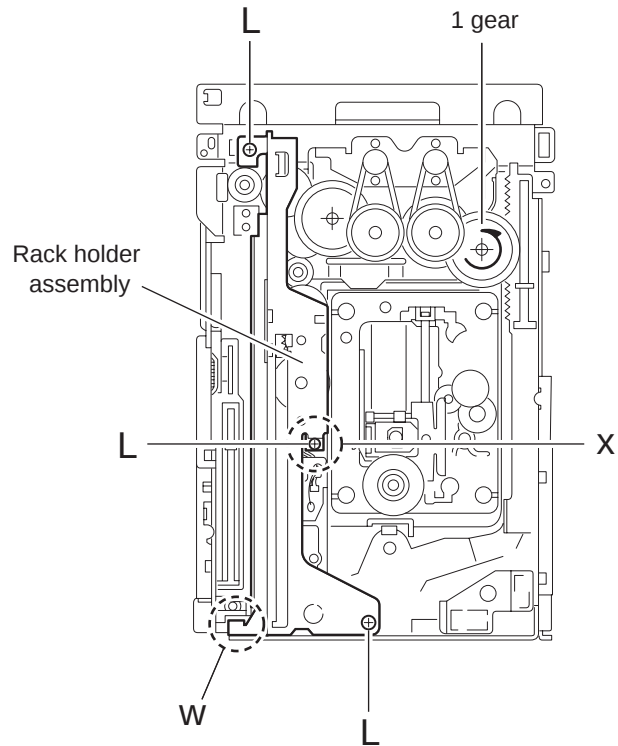


Fig.28

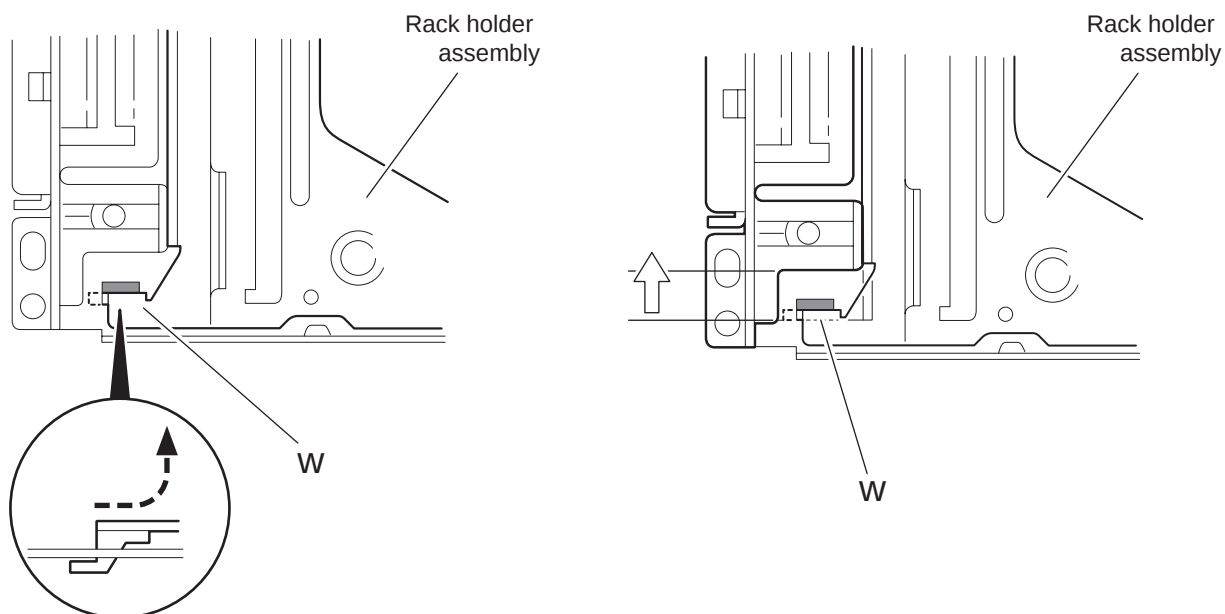
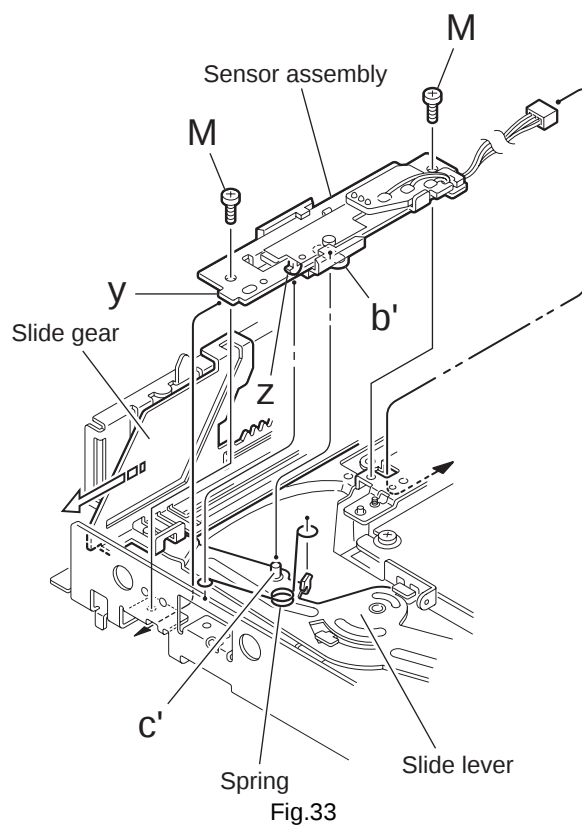
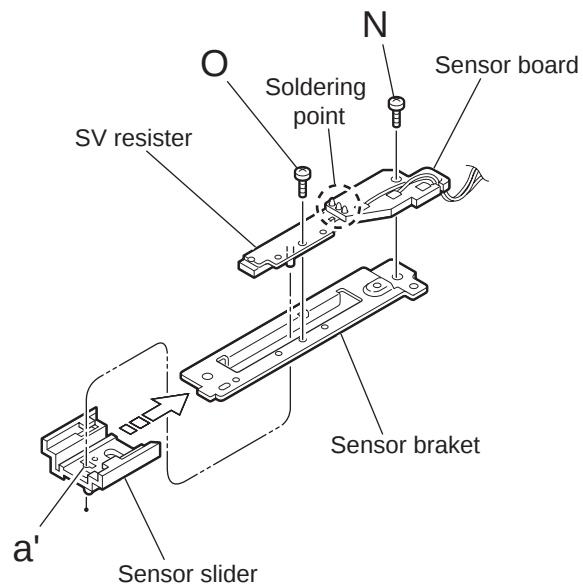
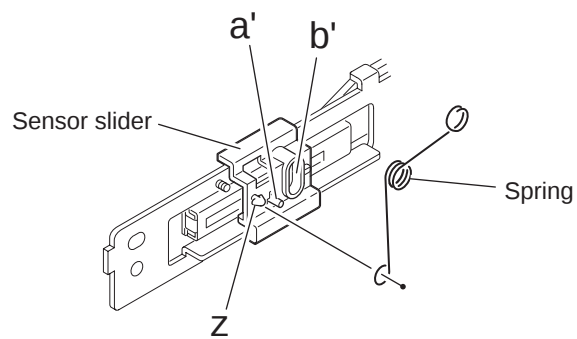
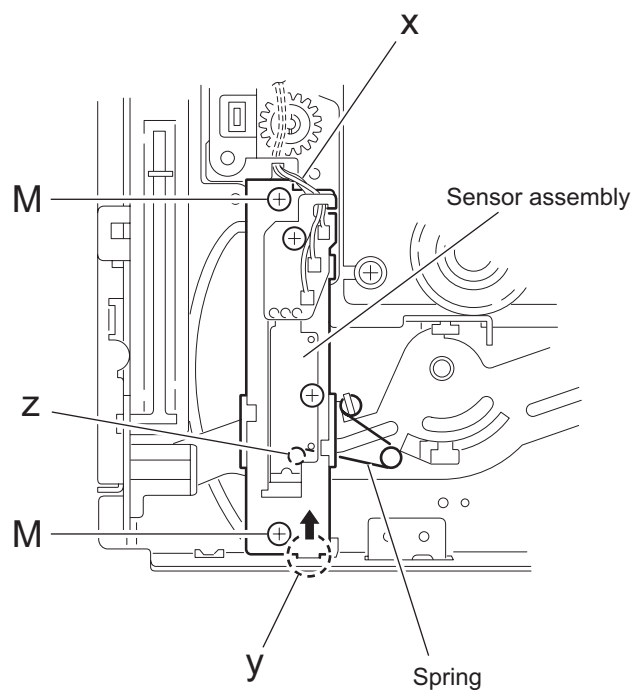


Fig.29



3.3.11 Removing the motor (See Fig.34 ,35)

- Prior to performing the following procedure, remove the servo control board and top cover.

Attention:

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

- (1) Remove the two belts on top of the body.
- (2) Remove the four screws **N** attaching the motor.
- (3) Remove the motor board from the bottom of the body.
(Refer to the section "Removing the motor board".)

Attention:

When removing the motor board with the motor, you need not to unsolder four soldered parts.

Caution:

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

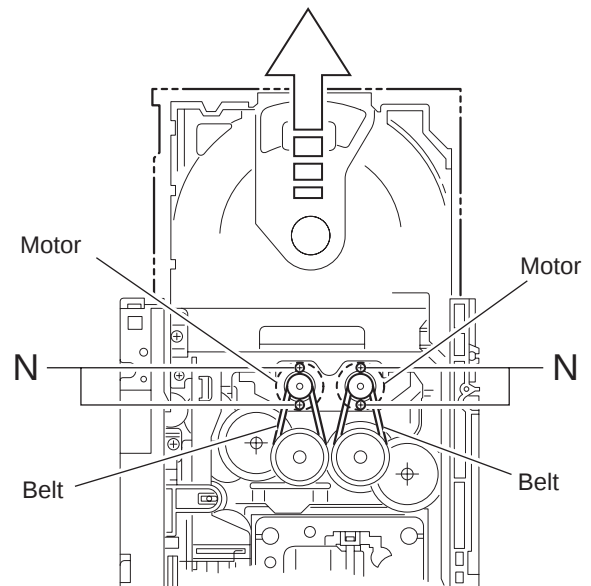


Fig.34

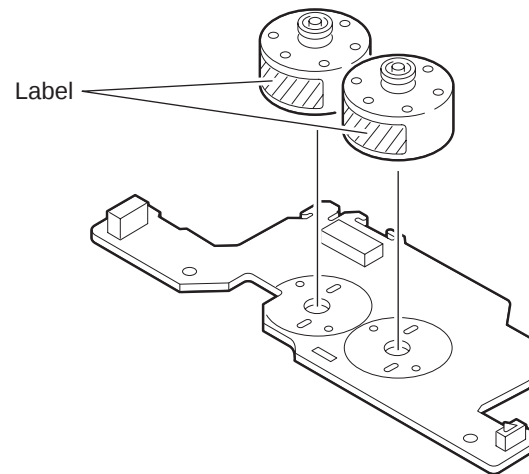


Fig.35

3.3.12 Taking out the CD in play mode (See Fig.36 ~ 39)

Attention:

Refer to "Removing the tray assembly".

- (1) Remove the top cover upward.
- (2) Unlock the tray assembly and draw out the tray assembly toward the front.
- (3) From top of the body, turn the 1 gear clockwise to move the lifter assembly upward.
- (4) From top of the body, turn the 2 gear clockwise to move the sub tray remaining inside the lifter assembly toward the front, then pull out.
- (5) Take out the CD on the sub tray.
- (6) After clearing away the CD, insert the sub tray into the main tray.

Caution:

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.

- (7) Push the tray assembly toward the body and reattach.

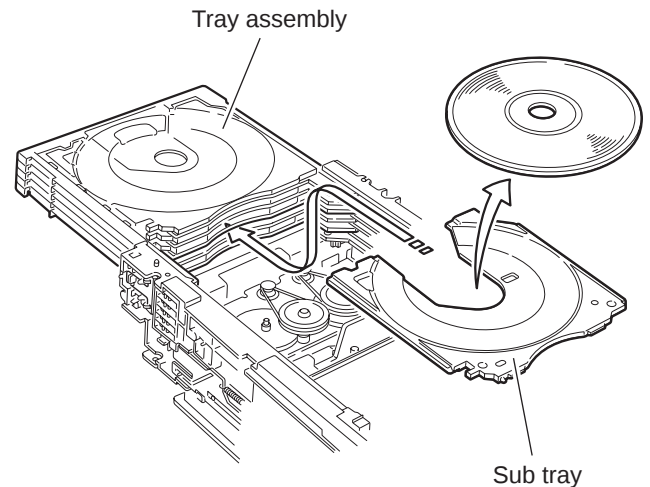


Fig.37

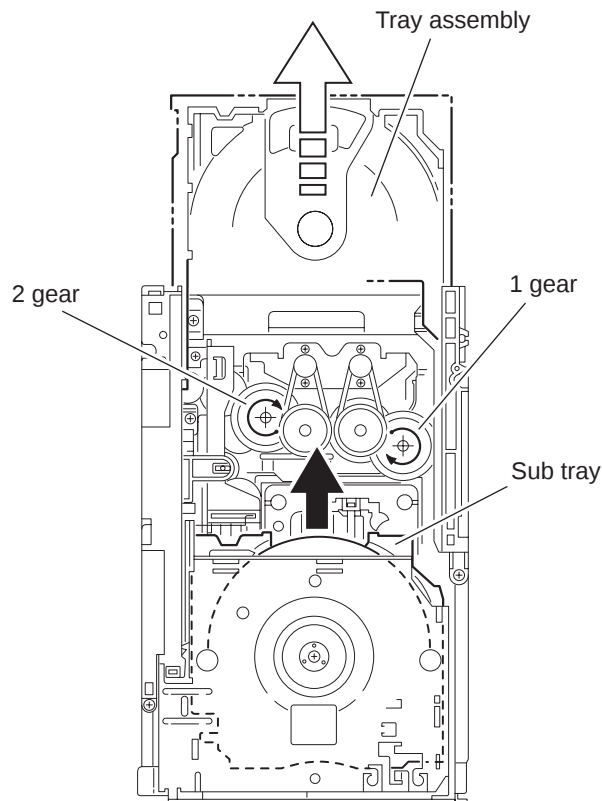


Fig.36

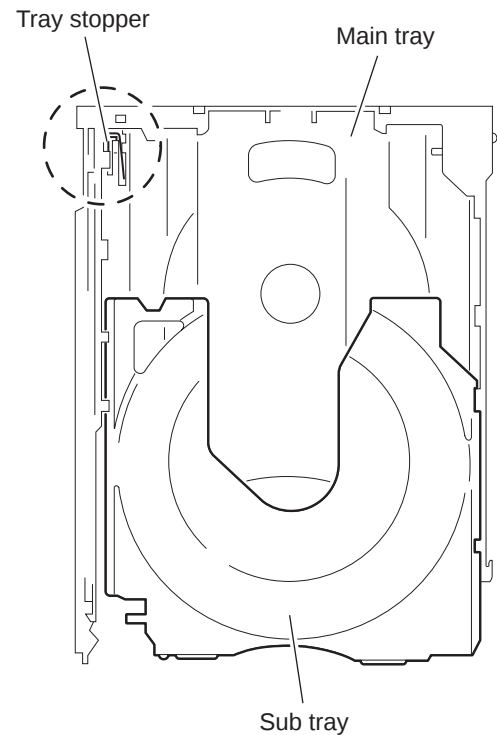


Fig.38

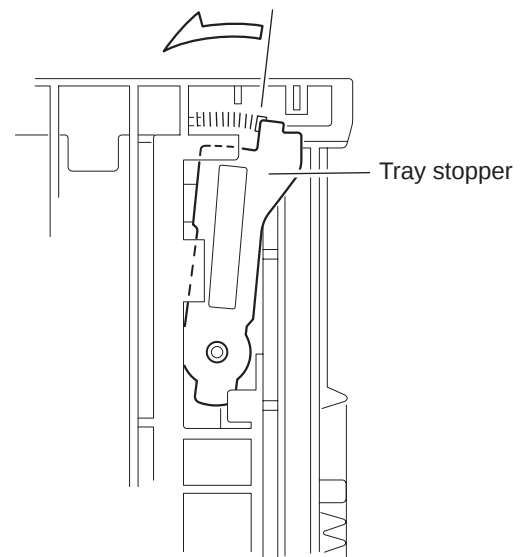


Fig.39

3.4 Cassette mechanism section

CAUTION:

Prior to performing the following procedures, turn the mode gear in the direction of the arrow to move each section to the eject position.

3.4.1 Removing the side bracket (L) and (R) / load board (See Fig.1 to 4)

- (1) Remove the E-washer attaching the load arm on the right side of the body.
- (2) Turn the load arm in the direction of the arrow to release from the cassette hook at the joint **a**.
- (3) Remove the spring (1) attaching the trig lever.
- (4) Move the trig lever in the direction of the arrow and release it from the two holes **b**.
- (5) Remove the screw **A** attaching the load board on the right side of the body and unsolder the wire extending from the sub motor.
- (6) After removing the belt from the sub motor, remove the two screws **B** attaching the sub motor.

REFERENCE:

The side bracket unit (R) can be removed even if the load board is attached. In such case, make sure to unsolder the wire extending from the sub motor.

- (7) Remove the spring (2) and the holder collar on the right side of the body.
- (8) Remove the four screws **C** attaching the side bracket unit (R) in the direction of the arrow.
- (9) Remove the two screws **D** attaching the side bracket (L) in the direction of the arrow.

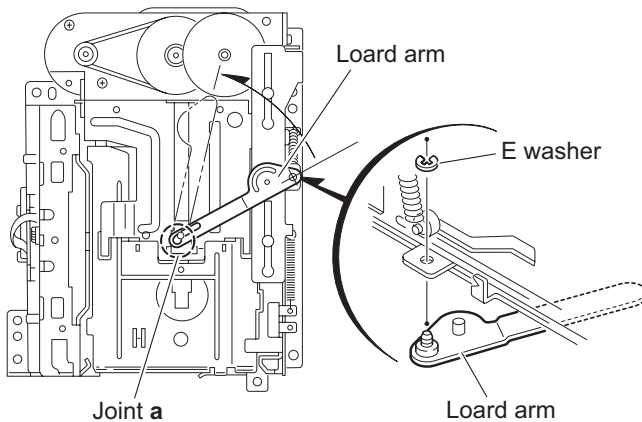


Fig.1

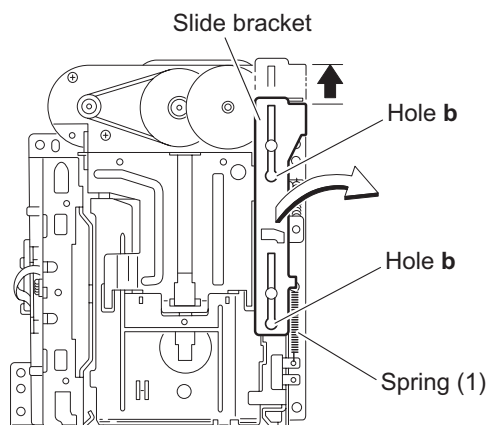


Fig.2

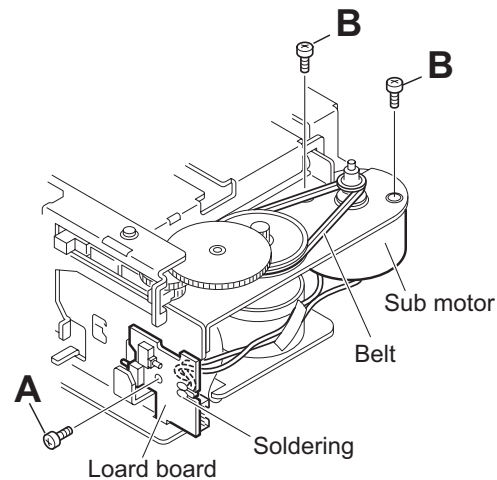


Fig.3

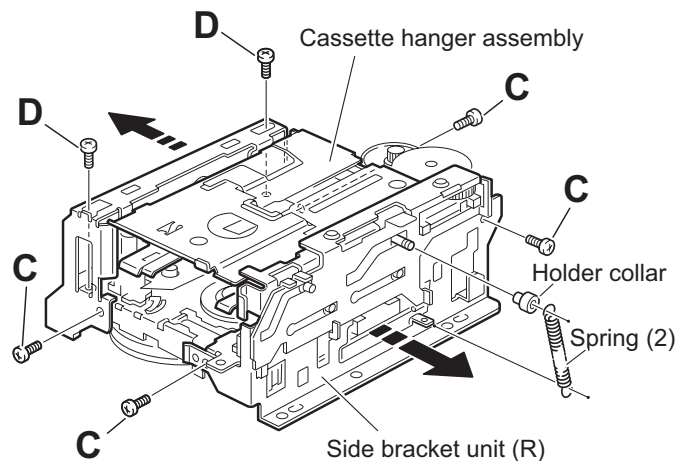


Fig.4

3.4.2 Removing the cassette hanger assembly / cassette holder (See Fig.5)

- Prior to performing the following procedure, remove the side bracket (L) and (R).
 - (1) Remove the slit washer attaching the cassette hanger assembly and pull out the pin.
 - (2) Move the cassette hanger assembly in the direction of the arrow to release the boss of the joint **c** on the left rear side and detach the cassette hanger assembly upward.

REFERENCE:

The cassette hanger assembly is detached with the cassette holder.

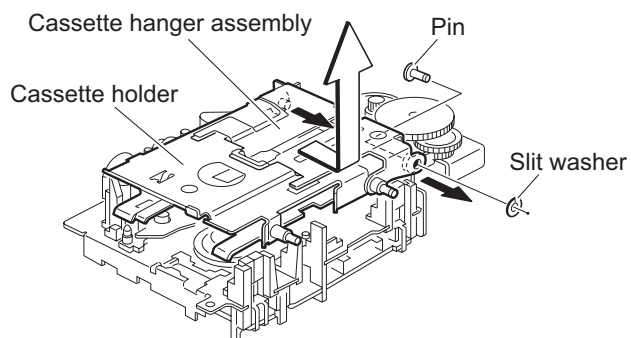


Fig.5

3.4.3 Removing the pinch roller (F) and (R) (See Fig.6 to 8)

- Prior to performing the following procedure, remove the side bracket (L), (R), cassette hanger assembly / cassette holder.
 - (1) Release the tab **d** in the direction of the arrow and pull out the pinch roller upward.

REFERENCE:

The above method is for removing the pinch roller (F) and (R).

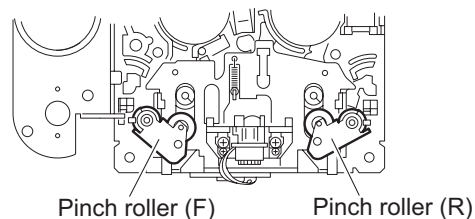


Fig.6

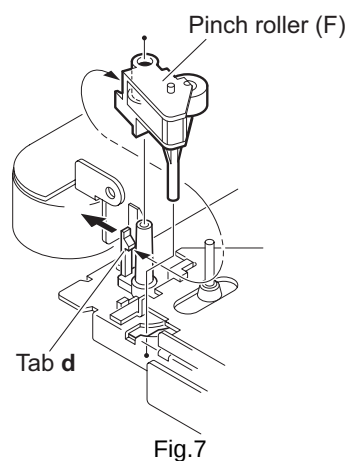


Fig.7

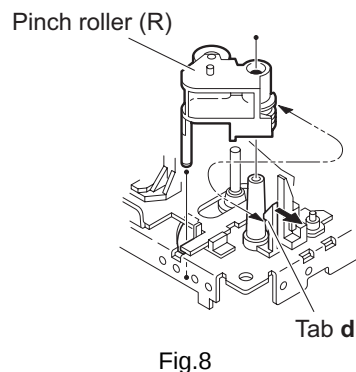


Fig.8

3.4.4 Removing the head assembly / head board (See Fig.9 and 10)

- Prior to performing the following procedure, remove the side bracket (L), (R), cassette hanger assembly / cassette holder.
 - Remove the spring on the lower side of the head assembly.
 - Remove the two screws **E** and remove the head assembly upward.
 - Remove the screw **F** attaching the head board. Unsolder the flexible wire extending from the head assembly if necessary.

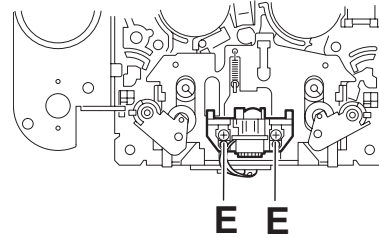


Fig.9

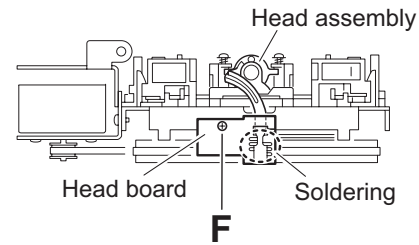


Fig.10

3.4.5 Removing the flywheel assembly (F) and (R) (See Fig.11 and 12)

- Prior to performing the following procedure, remove the side bracket (L), (R), cassette hanger assembly / cassette holder.
 - Remove the belt and sub belt on the bottom of the body.
 - Remove the polywasher from the flywheel (F) and (R) on top of the body.
 - Pull out the flywheel (F) and (R).

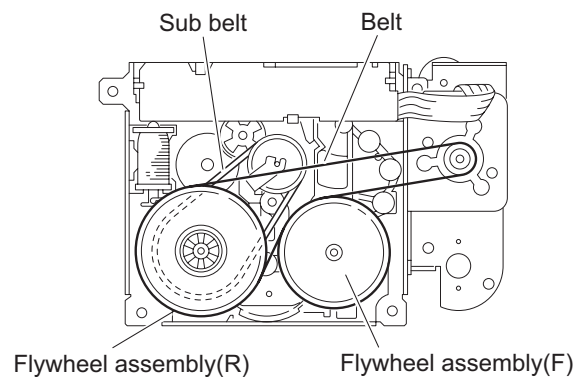


Fig.11

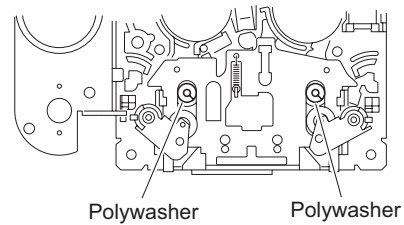


Fig.12

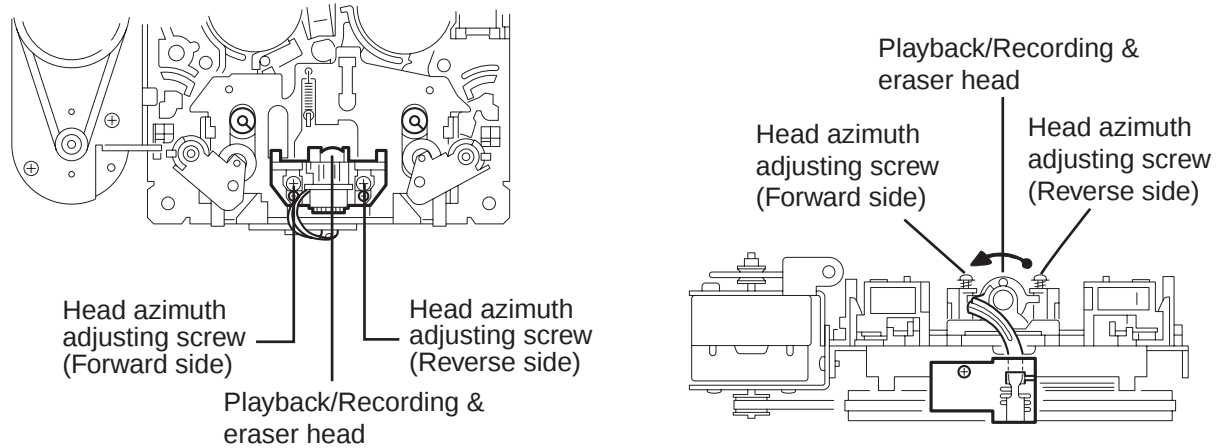
SECTION 4 ADJUSTMENT

4.1 Jigs and test instruments

- Test disc (CTS-1000)
- Test tape (VT712)
- Test tape (VT703)
- Test tape (AC225)

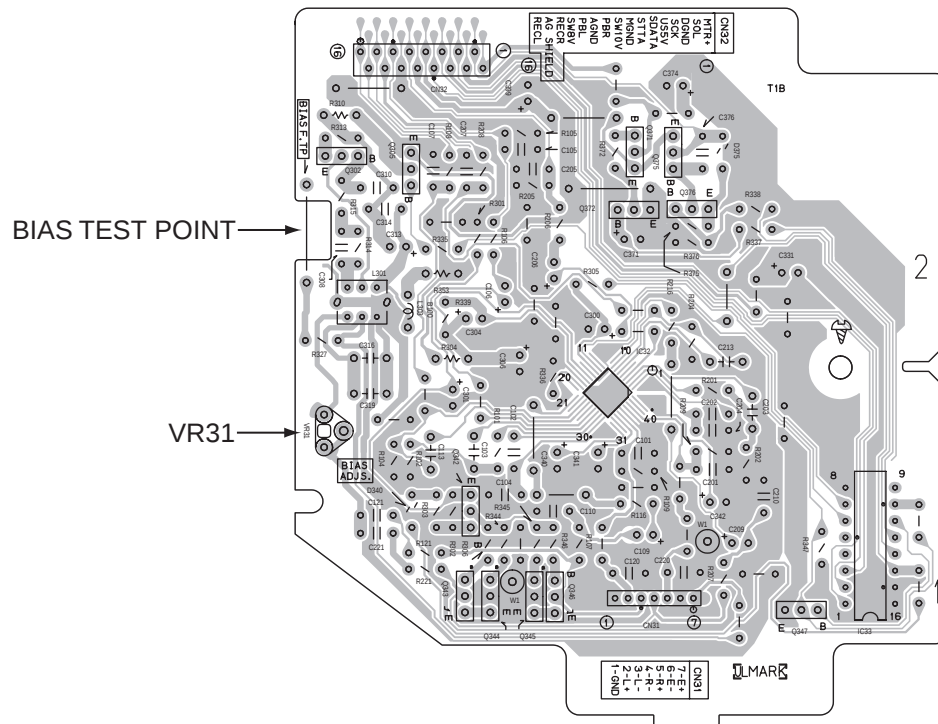
4.2 Adjustment and check method

4.2.1 Cassette section

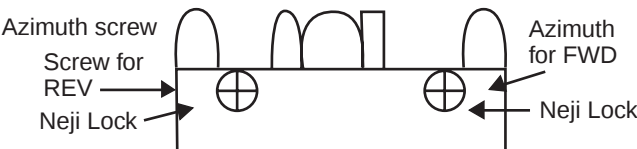


Removing the Cassette Mechanism Assembly

- (1) Remove the rear cover.
- (2) Remove the side panels (right and left).
- (3) Remove the cassette mechanism assembly.
- (4) Remove the four screws S fastening the cassette mechanism assembly from the back of the cassette mechanism.
- (5) Press the EJECT button on the front side of the cassette mechanism assembly to open the cassette door, and then remove the cassette mechanism assembly.



4.2.2 Check and adjustment of the Head amplifier section

Item	Check/Adjustment Method	Adjusting Point	Standard Value
1. Head azimuth adjustment	1) Play back the end part of the test tape VT703 (10 kHz). 2) Adjust the head azimuth screws so that the output becomes maximum in both the normal and reverse directions. After adjustment, lock the screws with screw bond without fail. Measuring output terminal: Speaker terminal, 4Ω load resistance Difference between L-ch and R-ch: Within 3 dB Difference between FWD and REV directions: Within 4 dB Adjust max level in FWD and REV. After adjusting, should be Applied bond (THREEBOND 1401 A/C) to screw. 	Head azimuth screw	Maximum output
2. Tape speed adjustment	1) Play back the end part of the test tape VT712 (3 kHz). 2) Adjust VR37 so that the frequency counter reads 3000 ± 15 Hz in playback in the normal direction. Measuring output terminal: Speaker terminal Make sure that speed difference between the normal and reverse directions is 60 Hz or less by reading of the frequency counter. (With the beginning part of the test tape) Wow and flutter Play back the end part of the test tape VT712 (3 kHz). Make sure that the wow and flutter meter reads 0.25 % (WRMS) or less.	VR37	3000 ± 15 Hz
(Reference value) Speed difference between the normal and reverse directions		—	60 Hz or less
3. Recording / playback frequency characteristic adjustment	1) Set a blank cassette tape (Type I: AC225) and enter the set into the recording pause mode. 2) Cancel the pause mode and start recording. Repeat to input the 1 kHz and 10 kHz reference signals alternately from the CD test disk to record the signals on the blank tape. 3) While playing back the repeatedly input 1 kHz and 10 kHz reference signals, adjust VR31 so that output level of 10 kHz signals is $+2 \text{ dB} \pm 1 \text{ dB}$ of 1 kHz.	VR31	$-1 \text{ dB} \pm 1 \text{ dB}$
(Reference value) Recording bias frequency	1) Set a blank cassette tape (Type I: AC225) and enter the set into the recording pause mode. 2) Make sure that the bias frequency at the bias test point (Refer on 1-25 board drawing) on the head amplifier board is 70 ± 9 kHz.	—	70 ± 9 kHz
(Reference value) Erasing current	1) Set a blank cassette tape (Type I: AC225) and enter the set into the recording pause mode. 2) After connecting a 1Ω resistor to the erasing head in series, cancel the pause mode and start recording. Connect the electronic voltmeter to both the terminals and measure the erasing current.	—	Erasing current: 60 mA (Type I tape)

SECTION 5

TROUBLESHOOTING

This service manual does not describe TROUBLESHOOTING.



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

(No.MB013)



Printed in Japan
WPC

JVC

SERVICE MANUAL

COMPACT COMPONENT SYSTEM

UX-B70

COMPACT
disc
DIGITAL AUDIO

CD-RDS

Area Suffix

EV ----- Eastern Europe

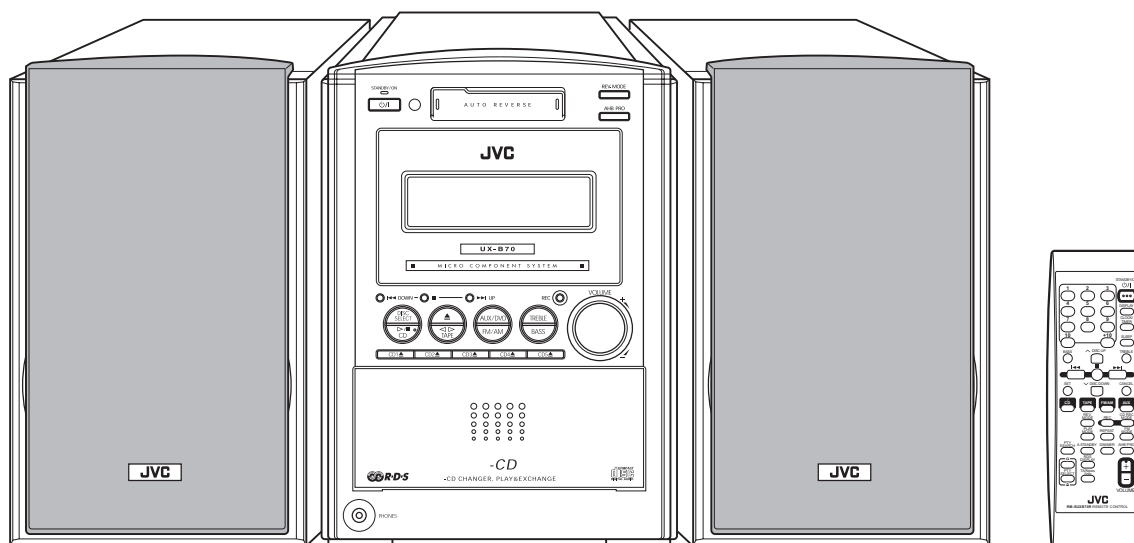


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5	TROUBLESHOOTING	1-3

SPECIFICATION

Amplifier Section-CA-UXB70		
Output Power (IEC 268-3)	120 W (60 W + 60 W) at 6 Ω (10% THD)	
	Analog input sensitivity/Impedance (at 1 kHz)	
	AUX/DVD:	400 mV/48 k Ω
	Speakers/Impedance	6 Ω - 16 Ω
Tuner	FM tuning range	87.50 MHz-108.00 MHz
	AM (MW) tuning range	522 kHz-1 629 kHz
CD player	CD Capacity	5 CDs
	Dynamic range	87 dB
	Signal-to-noise ratio	90 dB
	Wow and flutter	Immeasurable
Cassette deck	Frequency response:Normal (type I)	60 Hz-14 000 Hz
	Wow and flutter	0.15 % (WRMS)
General	Power requirement	AC 230 V , 50 Hz
	Power consumption	110 W (at operation)
		17 W (on standby)
		1.4 W (in power save mode)
	Dimensions (W/H/D) (approx.)	175 mm $\times$ 239.5 mm $\times$ 378 mm
	Mass (approx.)	8 kg
Speaker Section-SP-UXB70		
Type	2-way bass-reflex type	
Speakers	Woofer 12 cm cone $\times$ 1	
	Tweeter 2 cm dome $\times$ 1	
Power handling capacity	60 W	
Impedance	6 Ω	
Frequency range	55 Hz to 20 kHz	
Sound pressure level	85 dB/W·m	
Dimensions (W/H/D) (approx.)	145 mm $\times$ 239.5 mm $\times$ 202 mm	
Mass (approx.)	2.5 kg each	

Design and specifications are subject to change without notice.

SECTION 1 PRECAUTION

Please refer to "UX-B70 No.MB013" about this section.

SECTION 2 SPECIFIC SERVICE INSTRUCTIONS

Please refer to "UX-B70 No.MB013" about this section.

SECTION 3 DISASSEMBLY

Please refer to "UX-B70 No.MB013" about this section.

SECTION 4 ADJUSTMENT

Please refer to "UX-B70 No.MB013" about this section.

SECTION 5 TROUBLESHOOTING

Please refer to "UX-B70 No.MB013" about this section.



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(No.MB096)



Printed in Japan
WPC

JVC

SCHEMATIC DIAGRAMS

COMPACT COMPONENT SYSTEM

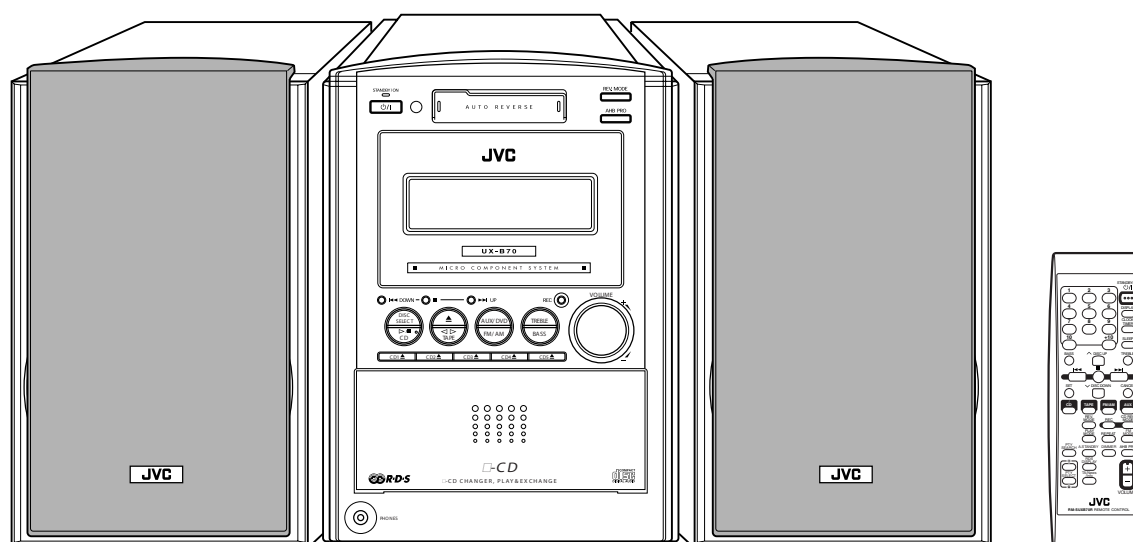
UX-B70

CD-ROM No.SML200311



Area suffix

B ----- U.K.
E ----- Continental Europe
EN ----- Northern Europe



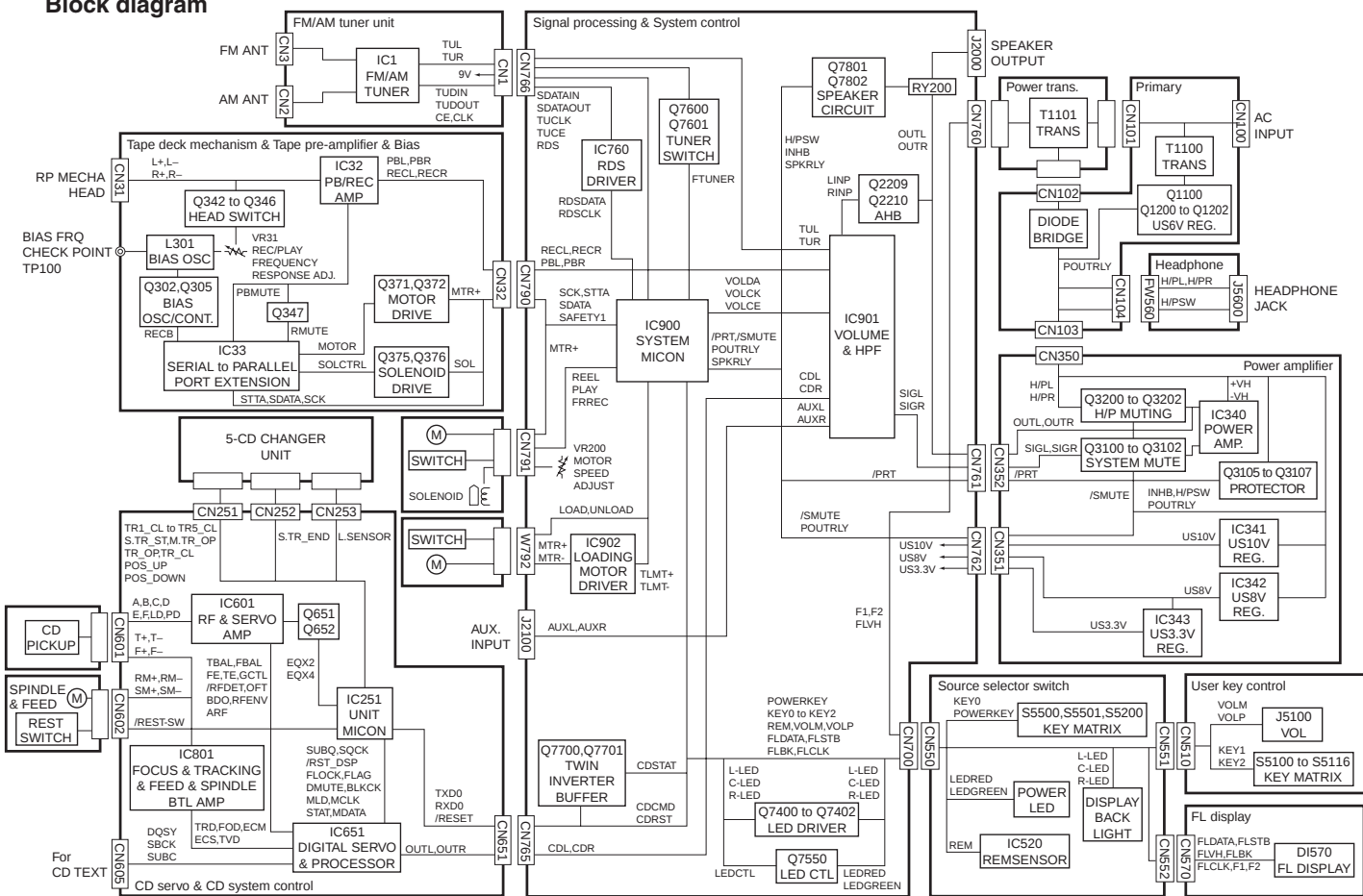
Contents

Block diagram	2-1
Standard schematic diagrams	2-2
Printed circuit boards	2-8 to 11

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 "A" mark nearby are critical for safety.

(This regulation does not correspond to J and C version.)

Block diagram



GVA10052-A2

GVA10052-A1

EXPLANATION OF OVERALL OF SCHEMATIC

MODEL: FS/UX-B70

図番号	部品記号	回路説明
1/7	FS/UX-B70	* PRIMARY AND POWER AMP
2/7	FS/UX-B70	* SIGNAL PROCESSING AND SYSTEM CONTROL
3/7	FS/UX-B70	* FL DISPLAY/USER KEY CONTROL/SOURCE SELECTOR SWITCH
4/7	FS/UX-B70	* TAPE DECK MECHANISM CONTROL
5/7	FS/UX-B70	* CD SERVO AND CD SYSTEM CONTROL
6/7	FS-B70	* FM/AM TUNER UNIT (LVC)
7/7	UX-B70	* FM/AM TUNER UNIT (B/E/REVIEW)

*** [VERSION CONTROL CHART]**

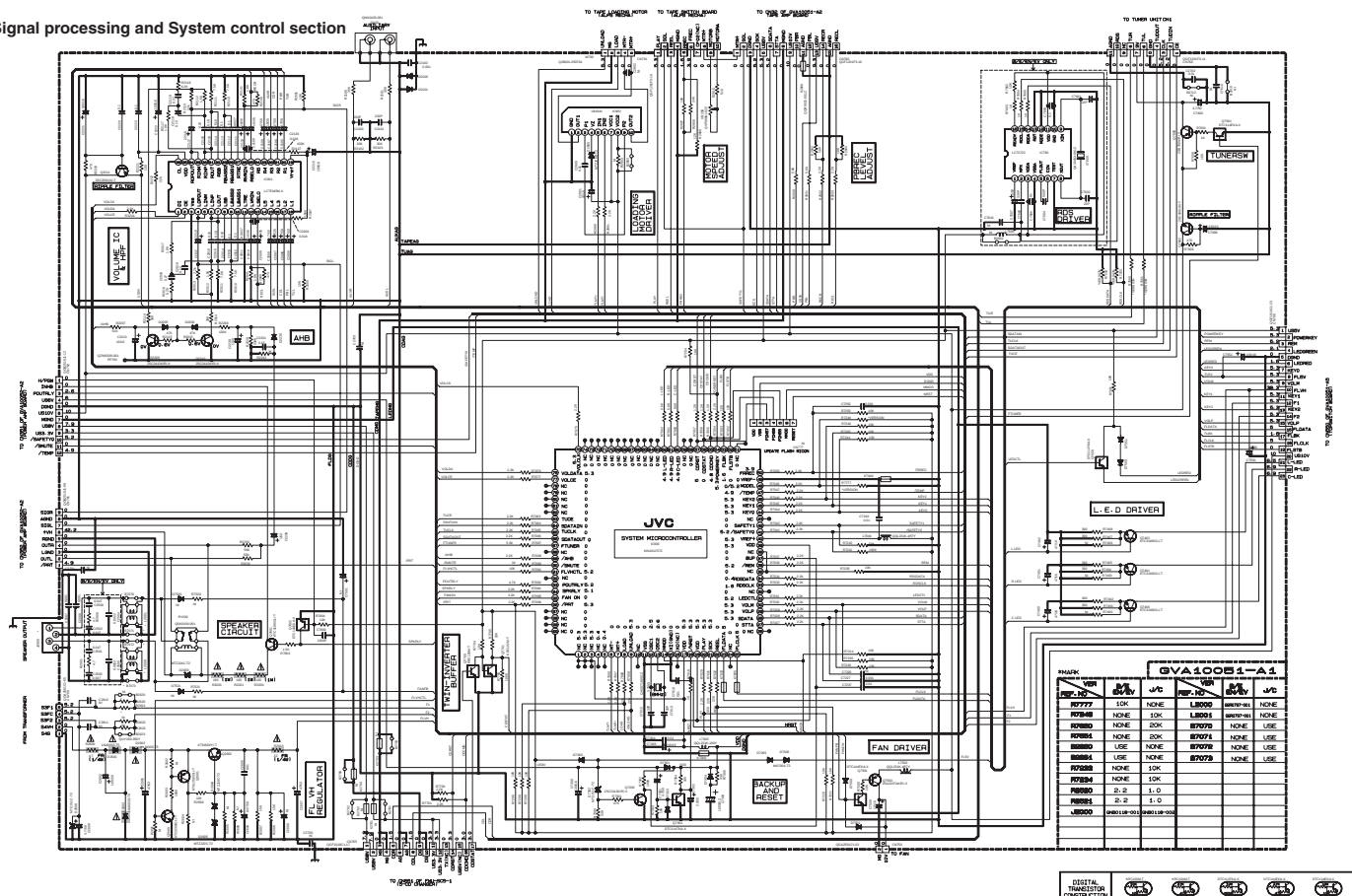
VERSION	COUNTRY	T1101	T1100	F1000	F1001	F1002	F1003	R1100	B1000	B1001
J	USA	GGT0400-001	GGT0253-012	0.5A-18V	1.6A-18V	B1502	B1601	3-3M	USE	USE
C	CANADA	GGT0400-001	GGT0253-012	0.5A-18V	1.6A-18V	B1502	B1601	3-3M	USE	USE
B	U. K	GGT0400-002	GGT0253-002	T1-6AL	T1-6AL	TSAL	TSAL	-	NO USING	USE
E	CONTINENTAL EUROPE	GGT0400-002	GGT0253-002	T1-6AL	T1-6AL	TSAL	TSAL	-	NO USING	USE
EN	NORDIC COUNTRIES	GGT0400-002	GGT0253-002	T1-6AL	T1-6AL	TSAL	TSAL	-	NO USING	USE
EV	POLAND-HUNGARY	GGT0400-002	GGT0253-002	T1-6AL	T1-6AL	TSAL	TSAL	-	NO USING	USE

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 TYPE. ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR. ALL RESISTANCE VALUES ARE IN OHM (Ω).
3. ALL CAPACITANCE VALUES ARE IN PICO (p).
4. ALL E-CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (μF) RATED VOLTAGE (V).
5. ALL INDUCTANCE VALUES ARE IN mH (mH).

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

■ Signal processing and System control section

[illegible]

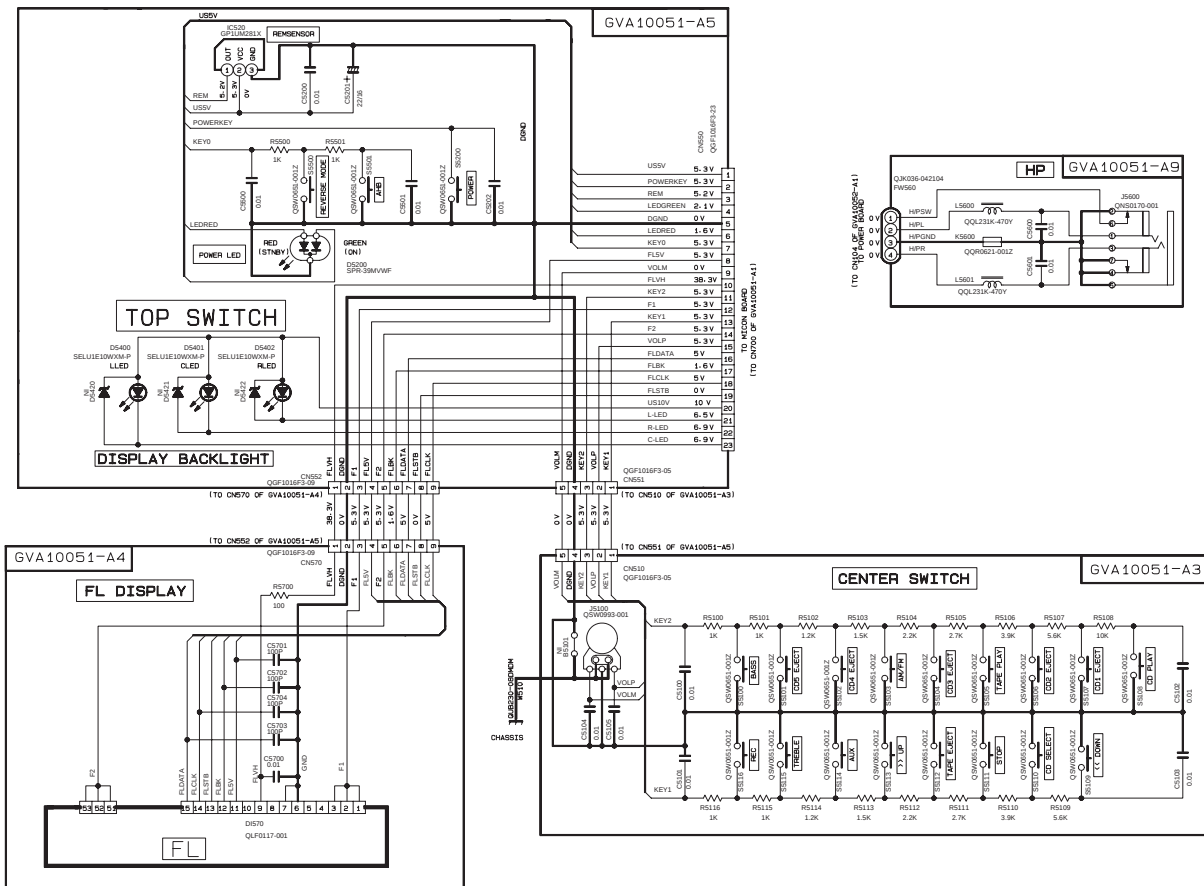
NOTES 1. VOLTAGES ARE CO-MEASURED WITH A DIGITAL 100 KΩ METER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL. CONDITION: CD STOP MODE. 2. UNLESS OTHERWISE SPECIFIED: ALL RESISTORS ARE 1/4W $\pm$ 5% CARBON FILM RESISTOR OR 0.06W $\pm$ 5% THIN FILM CHIP RESISTOR ALL CAPACITORS ARE CERAMIC CAPACITOR OR	ALL RESISTANCE VALUES ARE IN OHMS (Ω). ALL CAPACITANCE VALUES ARE IN PICOFARADS (pF). ALL CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (E) PARALLEL VOLTAGE (V). ALL INDUCTANCE VALUES ARE IN μH (mH). ALL DIODES ARE 1S8119-041-12 ALL PREFERRED PARTS ARE G08001-0012
--	---

VER			GVA10051-A1		
REF.	REV.	DATE	REF.	REV.	DATE
R0777	1.0K	NONE	L8009	0007-04	NONE
R0784	NONE	1.0K	L8001-1	0007-04	NONE
R0780	NONE	1.0K	R0709	NONE	USE
R0784	NONE	1.0K	R0701	NONE	USE
R0880	USE	NONE	R0709	NONE	USE
R0884	USE	NONE	R0709	NONE	USE
R0708	NONE	1.0K			
R0784	NONE	1.0K			
R0880	2: 2	1: 0			
R0881	2: 2	1: 0			
L8000	0001 L80-101	0001 L80-102			

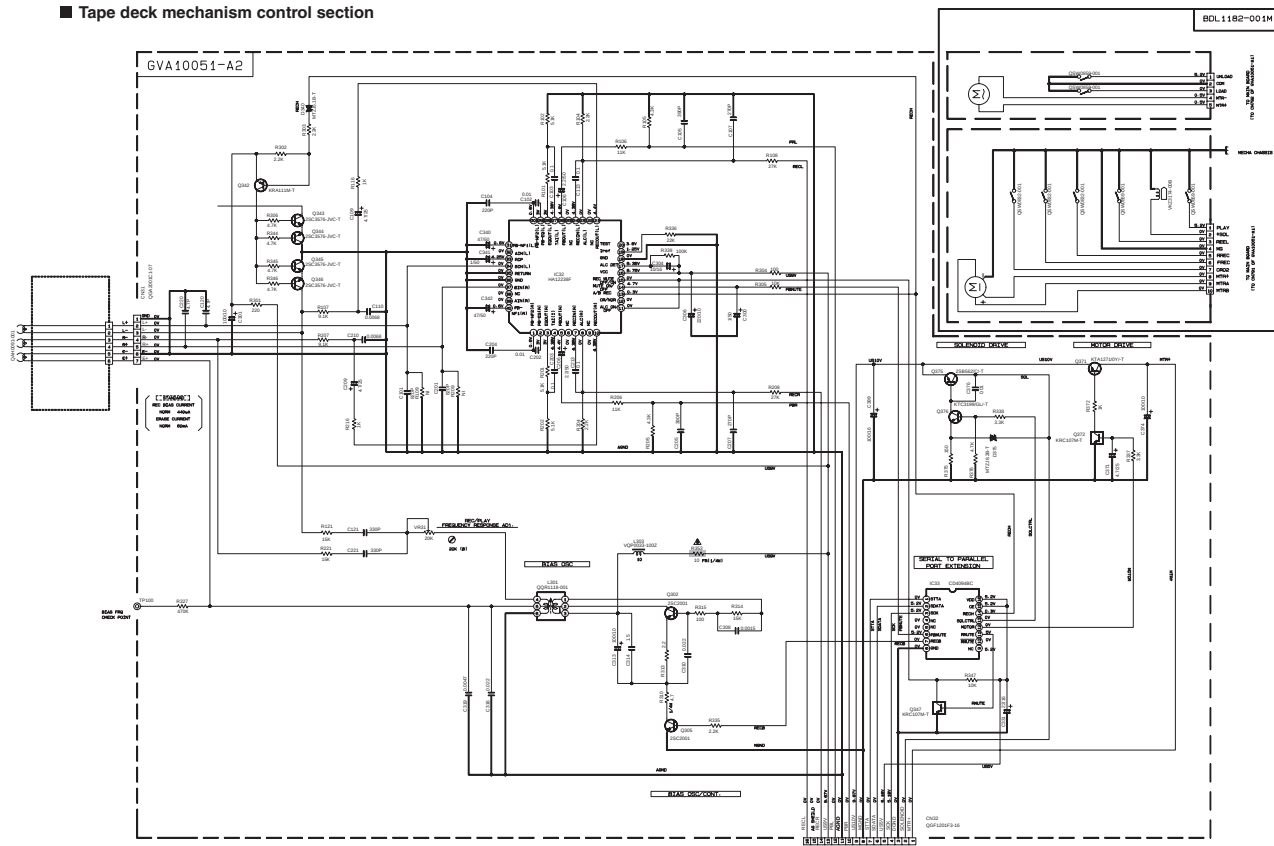
DIGITAL TRANSISTOR CONSTRUCTION



■ FL display / User key control / Source selector switch section



■ Tape deck mechanism control section



NOTES

1. VOLTAGES ARE MEASURED WITH A DIGITAL VOLT METER ON DISCONNECTED TAPES STOP MODE.

2. VALUES OF RESISTORS, CAPACITORS AND 1/4W 1% CARBON RESISTORS.

ALL RESISTANCE VALUES ARE IN OHMS (Ω).

ALL CAPACITANCE VALUES ARE IN MICROFARADS (μF).

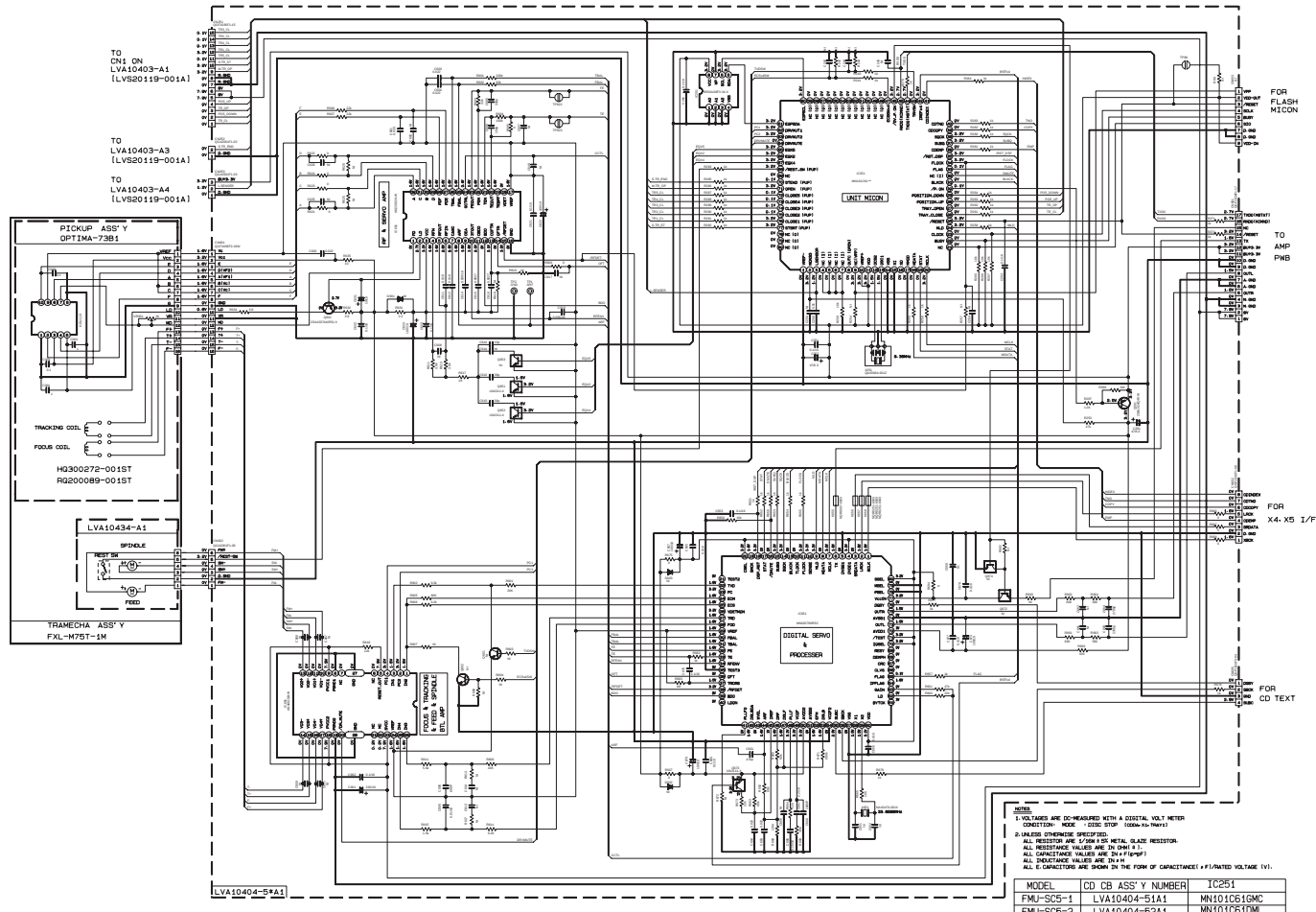
ALL INDUCTIVE VALUES ARE IN MILLIHENRIES (mH).

ALL CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (μF) VOLTAGE (V).

PS: POLYPROPYLENE CAPACITOR.

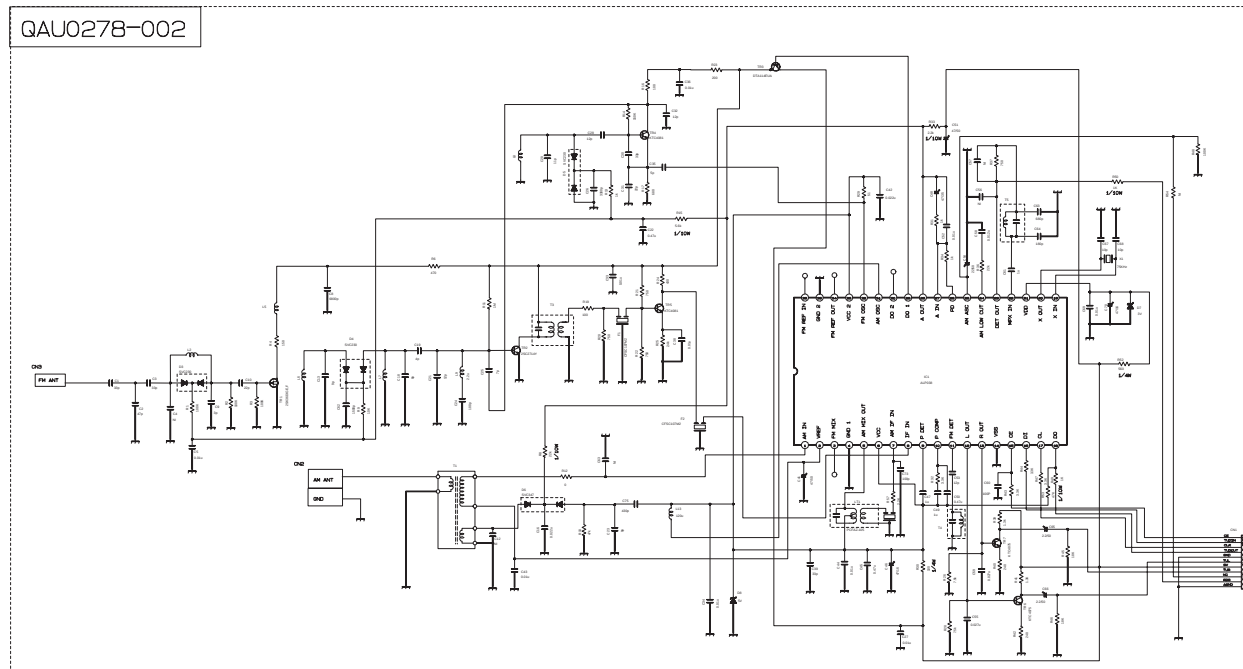
⚠ Parts are safety assurance parts. When replacing those parts make sure to use the specified one.

■ CD servo control section



■ Tuner unit section

QAU0278-002



NOTES

1. UNLESS OTHERWISE SPECIFIED

ALL RESISTANCE VALUES ARE IN OHMS.

ALL CAPACITANCE VALUES ARE IN PICOGRAMS (pF).

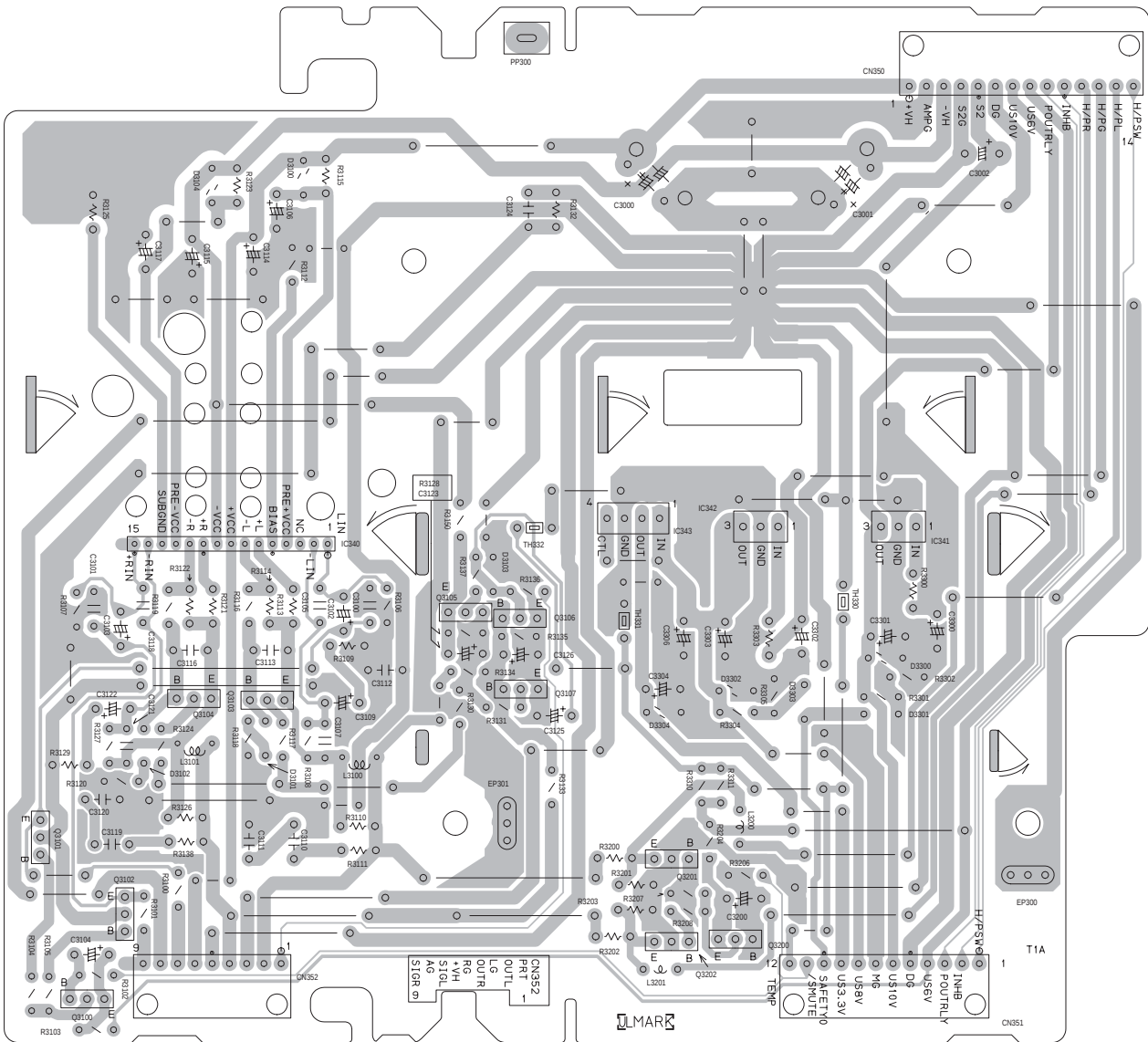
ALL INDUCTANCE VALUES ARE IN MILLIHENRIES.

ALL ELECTROLYTIC CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (VOLTAGE) (V).

■ Main board



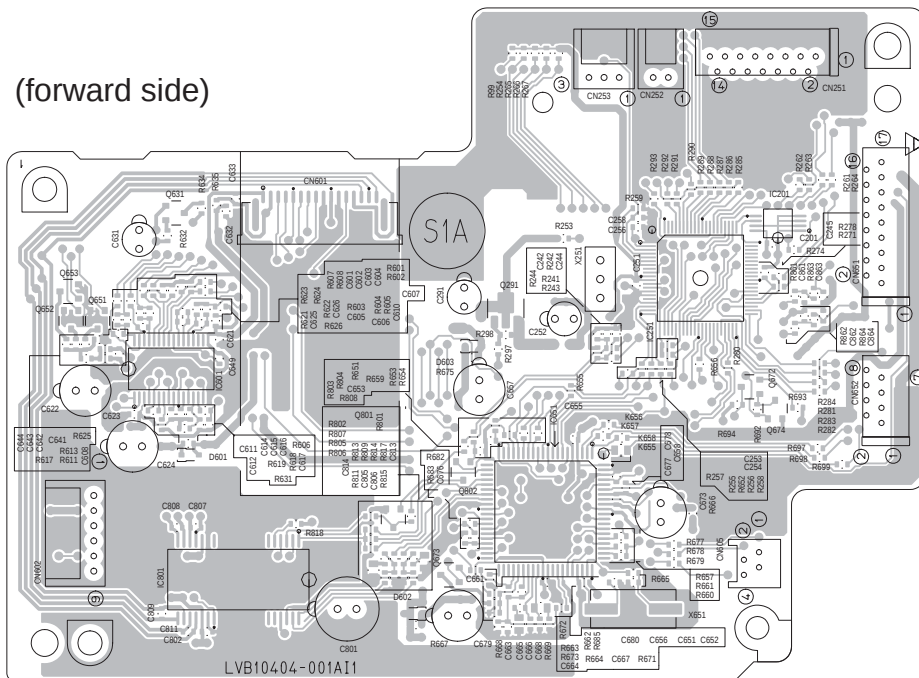
■ Regulator board



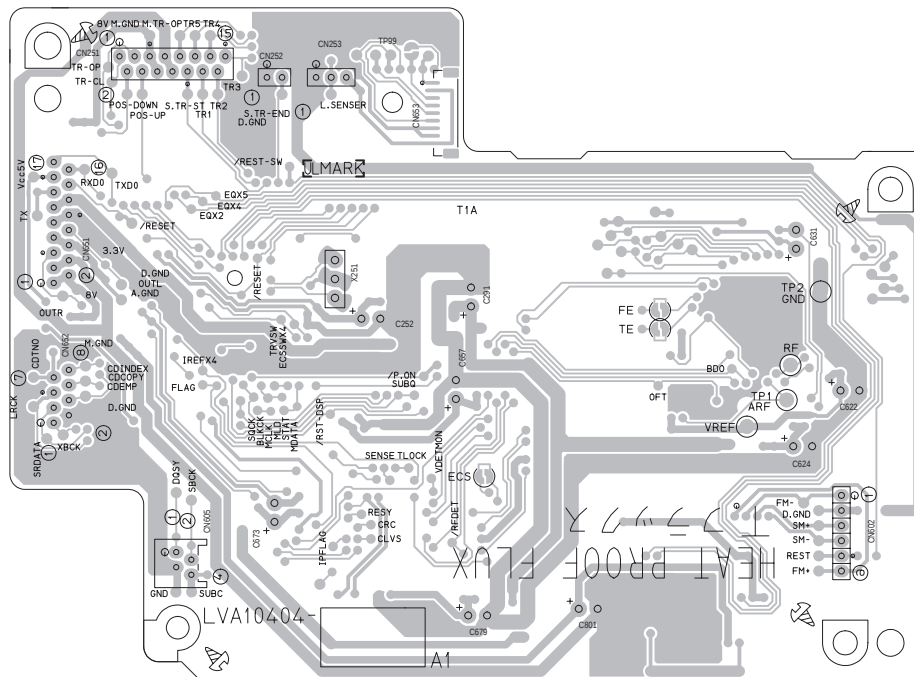


■ CD servo board

(forward side)



(reverse side)





VICTOR COMPANY OF JAPAN, LIMITED

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

(No.MB013SCH)



Printed in Japan
WPC

PARTS LIST

[UX-B70]

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

Area suffix

B ----- U.K.
E ----- Continental Europe
EN ----- Northern Europe

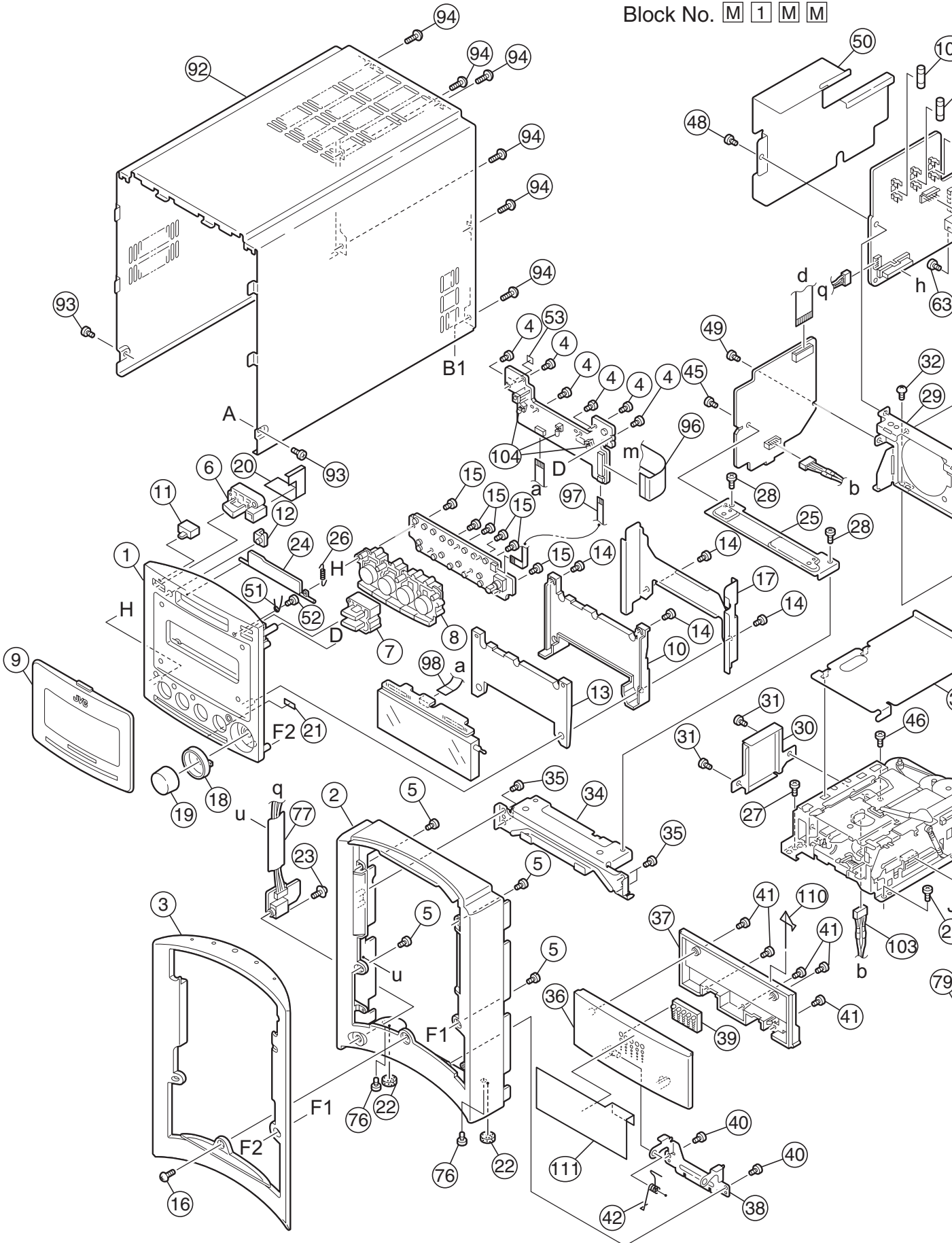
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Packing materials and accessories parts list (Block No.M3).....	3-17

Exploded view of general assembly and parts list

Block No.

M	1	M	M
---	---	---	---



General assembly

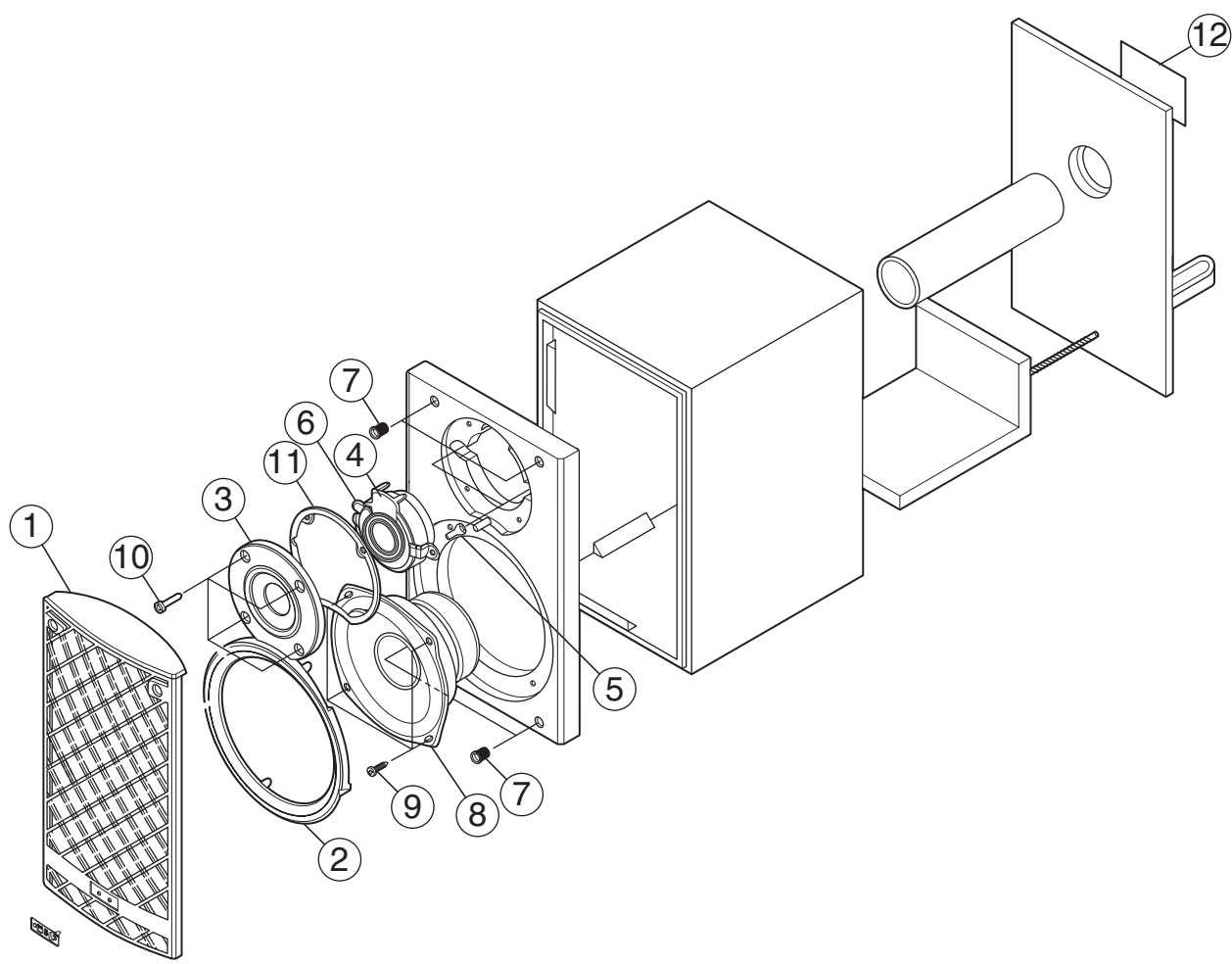
Block No. [M][1][M][M]

Symbol No.	Part No.	Part Name	Description	Local
1	GV10145-005A	FRONT PANEL		
2	GV10143-007A	FRONT BASE		
3	GV10144-006A	FRAME LENS		
4	QYSDSF2608Z	SCREW	2.6mm x 8mm(x6)	
5	QYSBSF3010Z	TAP SCREW	3mm x 10mm(x4)	
6	GV30435-001A	POWER BUTTON		
7	GV30436-001A	COLOR BUTTON		
8	GV30452-012A	MAIN BTN.ASSY.		
9	GV30459-006A	FRONT LENS B		
10	GV30458-001A	LENS HOLDER		
11	GV40399-001A	STANDBY LENS		
12	GV40400-001A	REMOTE LENS		
13	GV30465-002A	LED LENS		
14	QYSDSF2608Z	SCREW	2.6mm x 8mm(x4)	
15	QYSDSF2608Z	SCREW	2.6mm x 8mm(x6)	
16	QYSBSF3008M	TAP SCREW	3mm x 8mm	
17	GV30483-001A	COVER SHEET		
18	GV30439-001A	VOLUME RING		
19	GV30443-001A	VOLUME KNOB		
20	GV40442-001A	COVER SHEET C		
21	GV40121-007A	SPACER		
22	GV40184-002A	FOOT SPACER	(x2)	
23	GV40035-001A	SPECIAL SCREW		
24	GV30437-003A	CASS LID		
25	GV30450-001A	CASS BRACKET		
26	GV40422-001A	CASS SPRING		
27	QYSBST3004Z	SCREW	3mm x 4mm(x2)	
28	QYSBST3006Z	TAPPING SCREW	3mm x 6mm(x2)	
29	GV30451-001A	CASS STAND		
30	GV30233-001A	HEAD SHIELD		
31	QYSDST3004Z	TAP SCREW	M3 x 4mm(x2)	
32	QYSDST3005Z	TAP SCREW	M3 x 5mm(x2)	
33	GV30480-002A	MECHA PROTECTOR		
34	GV30444-001A	STAY BRACKET		
35	QYSDSF2608Z	SCREW	2.6mm x 8mm(x4)	
36	GV30440-012A	CD DOOR		
37	GV30441-006A	CD DOOR COVER		
38	GV30445-003A	CD DOOR BKT.		
39	GV40405-003A	CD LENS		
40	QYSDSF2608Z	SCREW	2.6mm x 8mm(x2)	
41	QYSDSF2605M	TAP SCREW	M2.6 x 5mm(x5)	
42	GV40420-001A	CD SPRING		
43	QAR0124-003	FAN		
44	QYSBSG3020Z	TAP SCREW	M3 x 20mm(x2)	
45	QYSBST3006Z	TAPPING SCREW	3mm x 6mm	
46	QYSBST3006Z	TAPPING SCREW	3mm x 6mm(x2)	
47	QYSBST3006Z	TAPPING SCREW	3mm x 6mm	
48	QYSBST3006Z	TAPPING SCREW	3mm x 6mm	
49	QYSBST3006Z	TAPPING SCREW	3mm x 6mm	
50	GV30479-001A	PRIMARY PROTECT		
51	GV40453-001A	SPRING		
52	E72405-001SS	SPECIAL SCREW		
53	E3400-431	SPACER		
54	GV30446-002A	CD BRACKET(F)		
55	GV30447-001A	CD BRACKET(R)		
56	QYSDST3006M	TAP SCREW	M3 x 6mm(x2)	
57	QYSDST3005Z	TAP SCREW	M3 x 5mm(x2)	
58	QYSBST4006Z	SCREW	4mm x 6mm(x2)	
59	QYSBST3004Z	SCREW	3mm x 4mm(x2)	
60	GV10146-001A	BOTTOM CHASSIS		
61	GV10147-001A	MAIN CHASSIS		
62	QYSSST3006Z	SCREW	3mm x 6mm(x4)	
63	QYSBSGG3008E	TAPPING SCREW	3mm x 8mm	
64	QYSBST3006Z	TAPPING SCREW	3mm x 6mm(x2)	
65	GV40184-002A	FOOT SPACER	(x2)	
66	QAU0278-002	TUNER ASSY.		
67	GV30448-002A	IC HOLDER		
68	GV30449-002A	HEAT SINK		
69	QYSBST3006Z	TAPPING SCREW	3mm x 6mm(x4)	
70	QYSBSG3016Z	TAP SCREW	M3 x 16mm(x2)	
71	QYSBST4006Z	SCREW	4mm x 6mm(x4)	
72	QYSBSG3016Z	TAP SCREW	M3 x 16mm(x2)	
73	QZW0033-001	STRAIN RELIEF		
74	QYSDST3005Z	TAP SCREW	M3 x 5mm(x3)	

Symbol No.	Part No.	Part Name	Description	Local
75	GV40242-004A	COMMON SPACER		
76	QYSSST3006Z	SCREW	3mm x 6mm(x2)	
77	GV30349-005A	SPACER		
78	QYSDST3005Z	TAP SCREW	M3 x 5mm	
79	GV40251-003A	SPACER	(x2)	
84	QMPN150-200-JC	POWER CORD(EU)	2m BLACK	B70B
84	QMPK200-200-JD	POWER CORD(EU)	2m BLACK	B70E, B70EN
85	GV10149-008A	REAR PANEL		
86	GV20232-001A	REAR COVER		
87	QYSBSGY3008E	SPECIAL SCREW	3mm x 8mm(x2)	
88	QYSBSGY3008E	SPECIAL SCREW	3mm x 8mm(x2)	
89	QYSBSGY3008E	SPECIAL SCREW	3mm x 8mm	
90	QYSBSGY3008E	SPECIAL SCREW	3mm x 8mm(x2)	
91	QYSBSGY3008E	SPECIAL SCREW	3mm x 8mm	
92	GV10148-001A/S/	METAL COVER		
93	QYSDSG3006M	TAP SCREW	3mm x 6mm(x2)	
94	QYSBSGY3008E	SPECIAL SCREW	3mm x 8mm(x6)	
95	GV30453-001A	RATING LABEL		
96	QUQH10-2308BF	FFC CABLE		
97	QUQH10-0508BJ	FFC CABLE		
98	QUQH10-0906BF	FFC CABLE		
99	QUQH12-1619AJ	FFC CABLE		
100	QUQH10-1713AJ	FFC CABLE		
101	QUQH12-1130AJ	FFC CABLE		
102	QUQH12-1009BJ	FFC CABLE		
103	WJN0113-001A	WIRE		
104	GV40424-001A	LED	(x3)	
105	QMF51W2-1R6-J8	FUSE	F 1000 1.6A AC250V	
106	QMF51W2-1R6-J8	FUSE	F 1001 1.6A AC250V	
107	QMF51W2-5R0-J8	FUSE	F 1002 5A AC250V	
108	QMF51W2-5R0-J8	FUSE	F 1003 5A AC250V	
109	QQT0400-002	POWER TRANSF	T 1101	
110	GV40494-001A	DOOR SPRING		
111	GV40495-001A	PAPER SHEET		

Speaker assembly and parts list

Block No. M 2 M M



Speaker

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

△ Symbol No.	Part No.	Part Name	Description	Local
1	ASW803236-0001	CLOTH FRAME	(x2)	
2	BPR840121-0002	WOOFER ORNAMENT	(x2)	
3	BPR810108-0001	TW. ORNAMENT	(x2)	
4	FSA845010-0501	DOME TWEETER	(x2)	
5	NST845053-2120	SCREW	(x4)	
6	IVE802002-0051	TW. GASKET	(x2)	
7	BRG800004-0001	RUBBER GROMATE	(x8)	
8	FSB826045-0601	WOOFER	(x2)	
9	NSP845051-4161	SCREW	(x8)	
10	NSX855051-8201	SCREW	(x8)	
11	IVE800001-0059	TW. ORNT. FELT	(x2)	
12	YLB806001-0555	BACK LABEL	(x2)	

FMU-SC5-2M

Grease
★=JVG-31N
▲=JVS-1003



CD changer mechanism

Block No. [M][A][M][M]

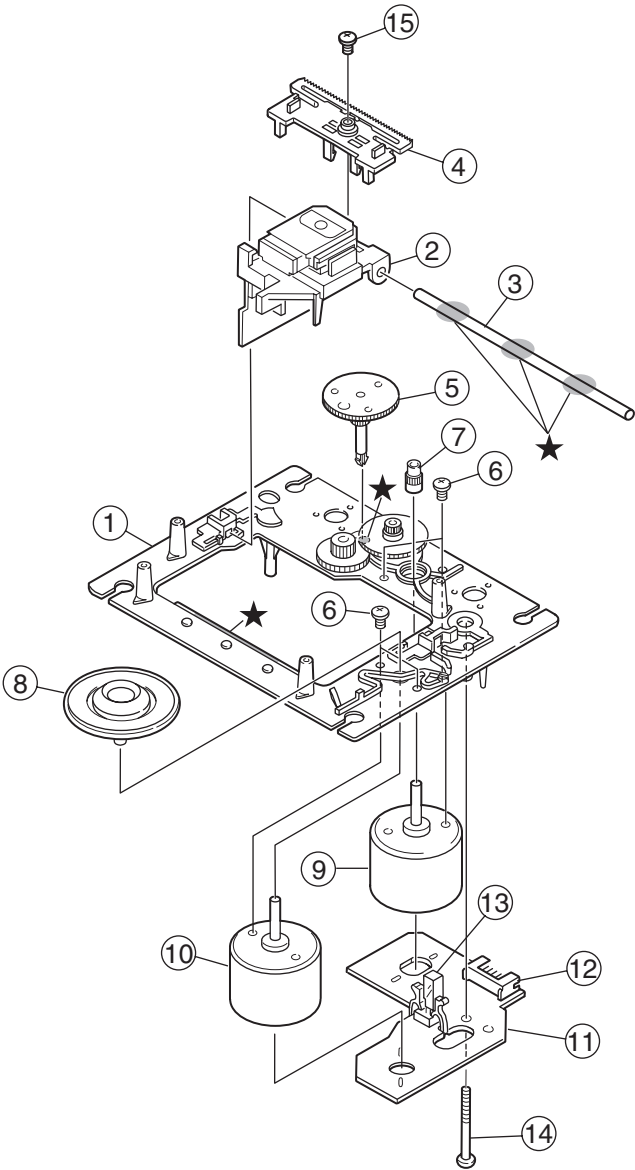
△ Symbol No.	Part No.	Part Name	Description	Local
1	LV10743-003A	CHASSIS ASSY		
2	LV43278-001A	SENSOR SPRING		
3	LV33961-001A	SENSOR SLIDER		
4	LV33962-001A	SENSOR BRACKET		
5	QYSDST2605Z	SCREW	2.6mm x 5mm(x2)	
6	QVY0027-B14	S V RESISTOR		
7	QYSDST2004Z	SCREW	2mm x 4mm	
8	QAR0164-001	MOTOR	(x2)	
9	LV42340-001A	MOTOR PULLEY	(x2)	
10	LV41431-001A	BELT	(x2)	
11	QYSPSPU1725N	SCREW	1.7mm x 2.5mm(x4)	
12	LV10744-002A	RACK HOLDER		
13	LV21406-002A	LOADING RACK		
14	LV43279-001A	LIFT ARM ASSY		
15	LV33963-001A	HOOK		
16	LV33964-001A	HOOK STOPPER		
17	QYSDST2605Z	SCREW	2.6mm x 5mm(x3)	
18	LV33965-005A	LIFTER ASSY		
19	LV21408-002A	RAIL(R)		
20	LV21409-002A	RAIL(L)		
21	LV43285-001A	ROD (L)		
22	LV21520-002A	SIDE(R) ASSY		
23	LV33974-001A	SELECT LEVER		
24	LV33975-001A	GEAR COVER		
25	LV33976-001A	ELEVATOR CAM		
26	LV43287-001A	ELEVATOR SPRING		
27	LV33977-002A	CLICK SPRING		
28	QYSDST2605Z	SCREW	2.6mm x 5mm(x3)	
29	LV10749-001A	SIDE(L)		
30	LV33980-001A	OPEN DET.LEVER		
31	QYSDST2605Z	SCREW	2.6mm x 5mm(x2)	
32	LV10746-002A	TRAY ASSY	(x5)	
33	LV10750-002A	TOP COVER		
34	LV43289-001A	ROD	(x2)	
35	QYSDSF2608Z	SCREW	2.6mm x 8mm(x2)	
36	QYSDST2605Z	SCREW	2.6mm x 5mm(x2)	
37	QYSDSF2608Z	SCREW	2.6mm x 8mm	
38	QYSDST2605Z	SCREW	2.6mm x 5mm	
39	QYSDST2004Z	SCREW	2mm x 4mm	
40	WJM0330-001A	E-SI C WIRE C-F		
41	WJM0331-001A	E-SI C WIRE C-F		
42	QUQ110-1521BF	FFC WIRE		
43	VYSA1R4-056	SPACER		
44	-----	CD TRAMECHA ASSY		
45	VKS3697-001	CLAMPER		
46	VYH7313-005	P.C.MAGNET		
47	LV33981-001A	CD YOKE		
48	QYSDSF2606Z	SCREW	2.6mm x 6mm	
49	LV41659-002A	INSULATOR	(x4)	
50	LV43245-001A	SPECIAL SCREW	(x4)	
51	LV21410-001A	CD TM BASE		
52	QYSDST2605Z	SCREW	2.6mm x 5mm(x3)	
53	LV21411-001A	CD MODULE BKT		
54	QYSDST2605Z	SCREW	2.6mm x 5mm(x2)	
55	QYSDSF2608Z	SCREW	2.6mm x 8mm(x4)	
56	QUQ610-1611AJ	FFC WIRE		
57	QJJ010-061802	SIN CR C-C WIRE		
58	LV34373-001A	COVER BKT		
59	QYSDSF2608Z	SCREW	2.6mm x 8mm	
60	LV43608-001A	SP.MOTOR SPRING		
61	GV40133-001A	SPECIAL SCREW		
62	QYWFM51A025	WASHER	#NEV21.5mm x 0.02mm(x2)	

CD mechanism assembly and parts list

Block No. [M][B][M][M]

Grease & Bond
★ = JVG-31N

FXL-M75T-2M



CD mechanism

Block No. [M][B][M][M]

△ Symbol No.	Part No.	Part Name	Description	Local
1	LV10723-002A	CD MECHA BASE A		
2	OPTIMA-73B1C	C.D PICK		
3	E406777-002SM	C.D SHAFT		
4	LV31002-001A	CD RACK		
5	E307745-441SM	C.D GEAR 3		
6	QYSDSP2003N	SCREW	2mm x 3mm(x4)	
7	E406750-442SM	PINION		
8	LV42350-001A	T.T.ASSY		
9	QAR0253-001	FEED MOTOR		
10	QAR0276-001	SP MOTOR		
11	EMW10190-441	CIR BOARD		
12	QGA2001F1-06	CONNECTOR		W-B (1-6)
13	QSW0506-001	LEAF SW		
14	E75832-221SS	SPECIAL SCREW		
15	QYSDSF2006Z	SCREW		2mm x 6mm

Cassette mechanism assembly and parts list

Grease

● EM-60L

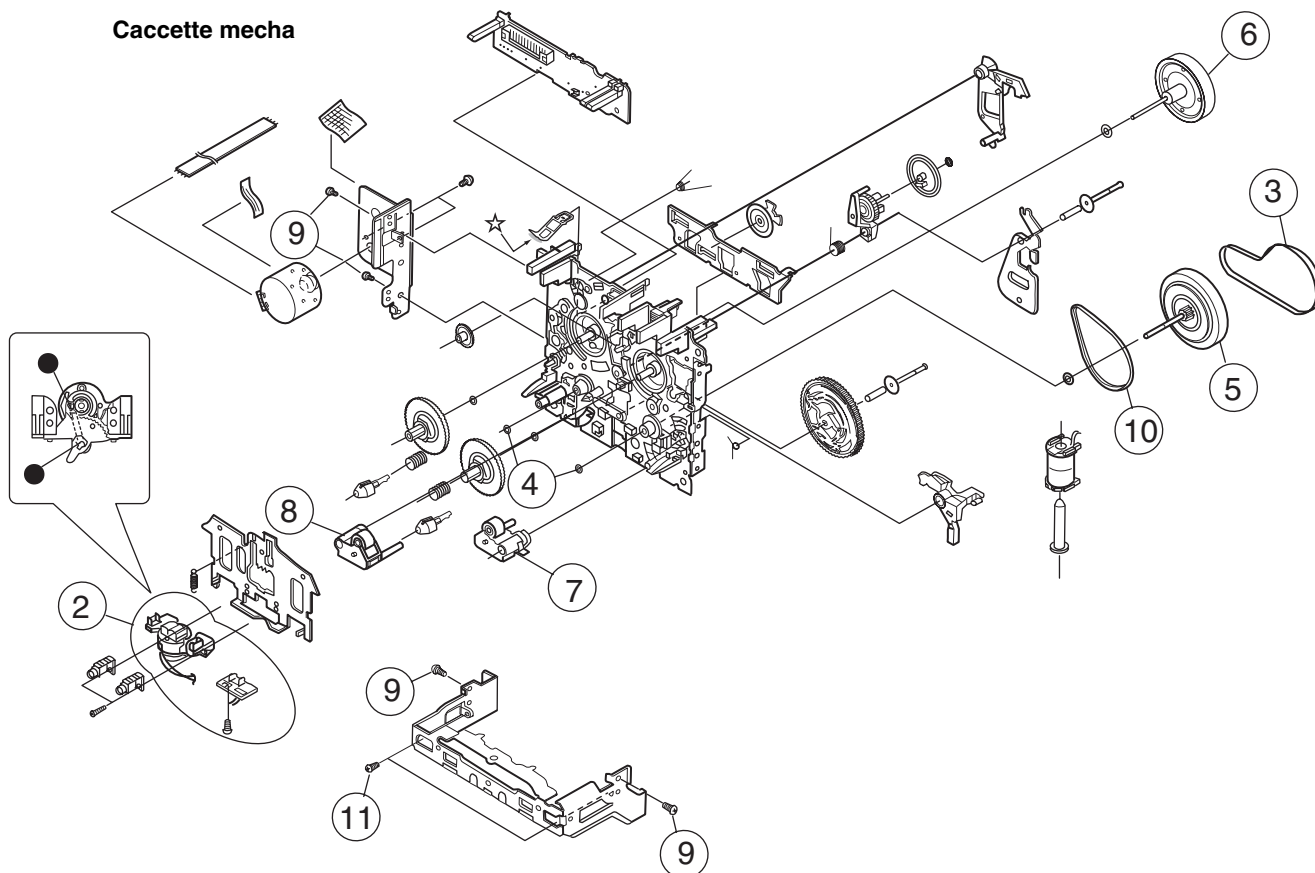
☆ FL-721

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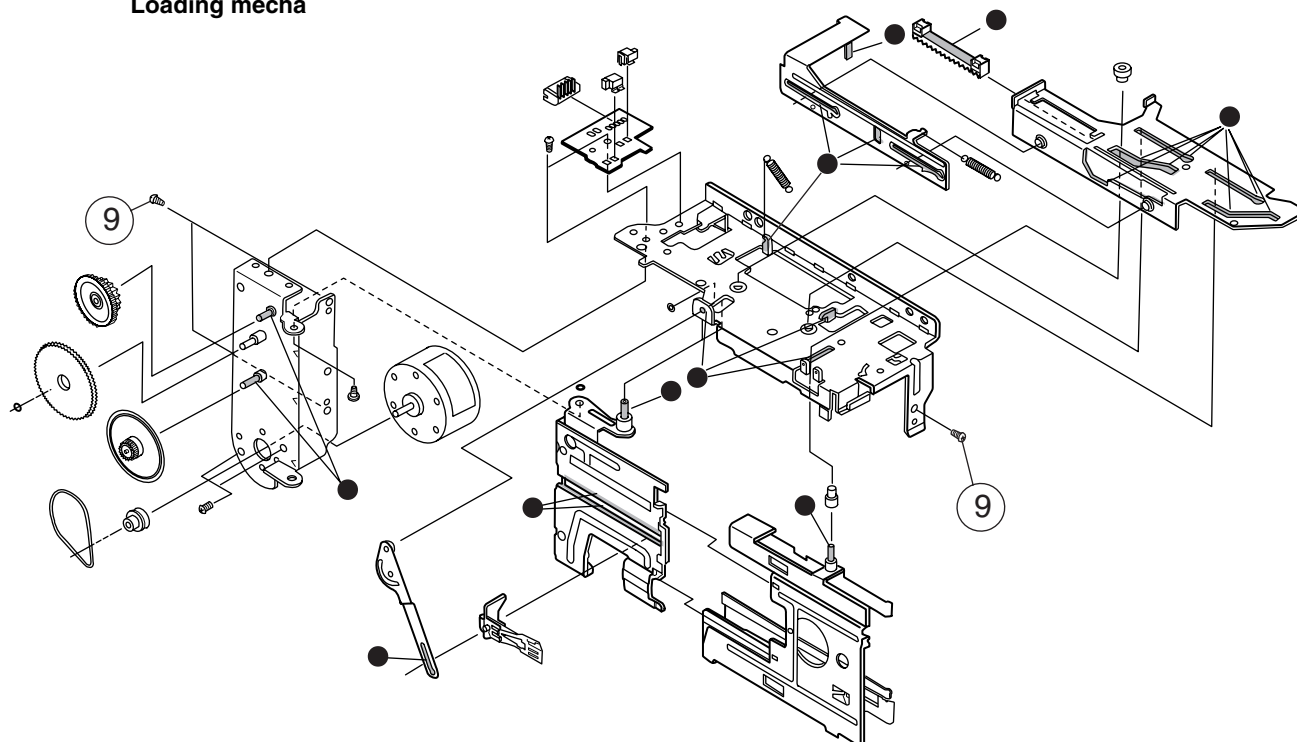
Block No.

M	P	M	M
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Caccette mecha



Loading mecha



Cassette mechanism

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

 Symbol No.	Part No.	Part Name	Description	Local
1	BDL1182-001M	C MECHA UNIT		
2	F513-896	HEAD BLOCK		
3	FF19Y	MAIN BELT		
4	UJ16F-11	WASHER	(x2)	
5	F522-064	FLYWHEEL		
6	FR26K	FLYWHEEL		
7	F514-129	PINCH ROLLER(R)		
8	F514-130	PINCH ROLLER(L)		
9	KG194-28	TT SCREW	2.6X4(x2)	
10	FF18W	F/R BELT		
11	KG194-34	TT.SCREW	2.0X4(x2)	

Electrical parts list

Micon board

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

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
IC32	HA12238F	IC			D7550	1SS119-041-T2	DIODE		
IC33	CD4094BC	IC	Serial to parallel port extension		D7551	1SS355-X	SI DIODE		
IC520	GP1UM281XK	IR DETECT UNIT	Remote control receiver		C101	QDGB1HK-821Y	C CAPACITOR	820pF 50V K	
IC760	LC72723	IC(RDS)	RDS demodulation		C102	QDYB1CM-103Y	C CAPACITOR	0.01uF 16V M	
IC900	MN101C57DFD2	MASK MICON			C103	QFLA1HJ-104Z	M CAPACITOR	0.1uF 50V J	
IC901	LC75345M-X	IC	E. volume		C104	QCBB1HK-221Y	C CAPACITOR	220pF 50V K	
IC902	LB1641	IC	DC Motor driver		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	
Q302	2SC2001/K/-T	TRANSISTOR			C113	QFLA1HJ-104Z	M CAPACITOR	0.1uF 50V J	
Q305	2SC2001/K/-T	TRANSISTOR			C120	QCSB1HK-4R7Y	C CAPACITOR	4.7pF 50V K	
Q342	KRA111M-T	DIGI TRANSISTOR			C121	QCBB1HK-331Y	C CAPACITOR	330pF 50V K	
Q343	2SC3576-JVC-T	TRANSISTOR			C201	QDGB1HK-821Y	C CAPACITOR	820pF 50V K	
Q344	2SC3576-JVC-T	TRANSISTOR			C202	QDYB1CM-103Y	C CAPACITOR	0.01uF 16V M	
Q345	2SC3576-JVC-T	TRANSISTOR			C203	QFLA1HJ-104Z	M CAPACITOR	0.1uF 50V J	
Q346	2SC3576-JVC-T	TRANSISTOR			C204	QCBB1HK-221Y	C CAPACITOR	220pF 50V K	
Q347	KRC107M-T	DIGI TRANSISTOR			C205	QCBB1HK-391Y	C CAPACITOR	390pF 50V K	
Q371	KTA1271/OY/-T	TRANSISTOR			C206	QERF1HM-225Z	E CAPACITOR	2.2uF 50V M	
Q372	KRC107M-T	DIGI TRANSISTOR			C207	QCBB1HK-271Y	C CAPACITOR	270pF 50V K	
Q375	2SB562/C/-T	TRANSISTOR			C209	QEKJ1EM-475Z	E CAPACITOR	4.7uF 25V M	
Q376	KTC3199/GL/-T	TRANSISTOR			C210	QDYB1CM-682Y	C CAPACITOR	6800pF 16V M	
Q2209	2SC2412K/R/-X	TRANSISTOR			C213	QFLA1HJ-104Z	M CAPACITOR	0.1uF 50V J	
Q2210	2SC2412K/R/-X	TRANSISTOR			C220	QCSB1HK-4R7Y	C CAPACITOR	4.7pF 50V K	
Q2211	2SC2001/K/-T	TRANSISTOR			C221	QCBB1HK-331Y	C CAPACITOR	330pF 50V K	
Q2600	KTC3200/GL/-T	TRANSISTOR			C300	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
Q2601	KTA1268/GL/-T	TRANSISTOR			C301	QEKJ1AM-107Z	E CAPACITOR	100uF 10V M	
Q2602	KTD863/Y/-T	TRANSISTOR			C304	QEKJ1CM-106Z	E CAPACITOR	10uF 16V M	
Q7300	2SC2412K/R/-X	TRANSISTOR			C306	QEKJ1AM-227Z	E CAPACITOR	220uF 10V M	
Q7301	DTC114TKA-X	TRANSISTOR			C308	QDXB1CM-152Y	C CAPACITOR	1500pF 16V M	
Q7400	KTC3199/GL/-T	TRANSISTOR			C310	QCBB1HK-223Y	C CAPACITOR	0.022uF 50V K	
Q7401	KTC3199/GL/-T	TRANSISTOR			C313	QEKJ1AM-107Z	E CAPACITOR	100uF 10V M	
Q7402	KTC3199/GL/-T	TRANSISTOR			C314	QCFB1HZ-105Y	C CAPACITOR	1uF 50V Z	
Q7500	2SA1037AK/R/-X	TRANSISTOR			C316	QFG32AJ-223Z	PP CAPACITOR	0.022uF 100V J	
Q7501	DTC144EKA-X	DIGI TRANSISTOR			C319	QFLC1HJ-472Z	M CAPACITOR	4700pF 50V J	
Q7550	DTC114TKA-X	TRANSISTOR			C331	QEKJ1CM-476Z	E CAPACITOR	47uF 16V M	
Q7600	2SB709A/R/-X	TRANSISTOR			C340	QEKJ1CM-476Z	E CAPACITOR	47uF 16V M	
Q7601	DTC114EKA-X	TRANSISTOR			C341	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
Q7602	2SC2001/K/-T	TRANSISTOR			C342	QEKJ1CM-476Z	E CAPACITOR	47uF 16V M	
Q7700	KRC104M-T	TRANSISTOR			C371	QEKJ1EM-475Z	E CAPACITOR	4.7uF 25V M	
Q7701	KRC102M-T	DIGI TRANSISTOR			C374	QEKJ1AM-107Z	E CAPACITOR	100uF 10V M	
Q7801	KTC3199/GL/-T	TRANSISTOR			C376	QDYB1CM-103Y	C CAPACITOR	0.01uF 16V M	
Q7802	DTC144EKA-X	DIGI TRANSISTOR			C399	QEKJ1CM-107Z	E CAPACITOR	100uF 16V M	
					C2005	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
D340	MTZJ5.1B-T2	Z DIODE			C2006	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
D375	MTZJ8.2B-T2	Z DIODE			C2007	QTE1V06-106Z	E CAPACITOR	10uF 35V	
D2000	MTZJ24C-T2	Z DIODE			C2008	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
D2100	1SS119-041-T2	DIODE			C2009	QTE1V06-106Z	E CAPACITOR	10uF 35V	
D2101	1SS119-041-T2	DIODE			C2010	QTE1V06-106Z	E CAPACITOR	10uF 35V	
D2205	1SS119-041-T2	DIODE			C2011	QFLC1HJ-272Z	M CAPACITOR	2700pF 50V J	
D2206	1SS119-041-T2	DIODE			C2012	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
D2230	1SS119-041-T2	DIODE			C2013	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
D2600	MTZJ5.1C-T2	Z DIODE			C2014	QFVJ1HJ-184Z	MF CAPACITOR	0.18uF 50V J	
△ D2601	1N4003S-T5	SI DIODE			C2015	QFVJ1HJ-184Z	MF CAPACITOR	0.18uF 50V J	
△ D2602	1N4003S-T5	SI DIODE			C2016	QFVJ1HJ-154Z	MF CAPACITOR	0.15uF 50V J	
△ D2603	1N4003S-T5	SI DIODE			C2017	QTE1C06-226Z	E CAPACITOR	22uF 16V	
D2604	MTZJ18C-T2	Z DIODE			C2018	QFVJ1HJ-124Z	MF CAPACITOR	0.12uF 50V J	
D2605	MTZJ22C-T2	Z DIODE			C2019	QFVJ1HJ-274Z	MF CAPACITOR	0.27uF 50V J	
D2900	MTZJ6.8B-T2	Z DIODE			C2026	QFLC1HJ-183Z	M CAPACITOR	0.018uF 50V J	
D5200	SPR-39MVF	LED	RED-GREEN		C2100	NCB31HK-221X	C CAPACITOR	220pF 50V K	
D5400	SELU1E10WXM-P	LED			C2101	NCB31HK-221X	C CAPACITOR	220pF 50V K	
D5401	SELU1E10WXM-P	LED			C2102	QDGB1HK-102Y	C CAPACITOR	1000pF 50V K	
D5402	SELU1E10WXM-P	LED			C2105	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
D7300	1SS119-041-T2	DIODE			C2106	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
D7301	1SS119-041-T2	DIODE			C2107	QTE1V06-106Z	E CAPACITOR	10uF 35V	
D7302	MTZJ5.1C-T2	Z DIODE			C2108	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
D7303	1SS119-041-T2	DIODE			C2109	QTE1V06-106Z	E CAPACITOR	10uF 35V	
D7304	1SS119-041-T2	DIODE			C2110	QTE1V06-106Z	E CAPACITOR	10uF 35V	
D7305	1SS119-041-T2	DIODE			C2111	QFLC1HJ-272Z	M CAPACITOR	2700pF 50V J	
D7306	MA700A-T2	SB DIODE			C2112	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
D7500	1SS119-041-T2	DIODE			C2113	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
D7501	1SS119-041-T2	DIODE			C2114	QFVJ1HJ-184Z	MF CAPACITOR	0.18uF 50V J	

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
C2115	QFVJ1HJ-184Z	MF CAPACITOR	0.18uF 50V J		C7800	QDGB1HK-102Y	C CAPACITOR	1000pF 50V K	
C2116	QFVJ1HJ-154Z	MF CAPACITOR	0.15uF 50V J		R101	QRE141J-512Y	C RESISTOR	5.1kΩ 1/4W J	
C2117	QTE1C06-226Z	E CAPACITOR	22uF 16V		R102	QRE141J-512Y	C RESISTOR	5.1kΩ 1/4W J	
C2118	QFVJ1HJ-124Z	MF CAPACITOR	0.12uF 50V J		R104	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J	
C2119	QFVJ1HJ-274Z	MF CAPACITOR	0.27uF 50V J		R105	QRE141J-432Y	C RESISTOR	4.3kΩ 1/4W J	
C2126	QFLC1HJ-183Z	M CAPACITOR	0.018uF 50V J		R106	QRE141J-113Y	C RESISTOR	11kΩ 1/4W J	
C2213	QETN1CM-106Z	E CAPACITOR	10uF 16V M		R107	QRE141J-912Y	C RESISTOR	9.1kΩ 1/4W J	
C2215	QETN1AM-107Z	E CAPACITOR	100uF 10V M		R108	QRE141J-273Y	C RESISTOR	27kΩ 1/4W J	
C2220	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J		R116	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
C2221	QETN1CM-107Z	E CAPACITOR	100uF 16V M		R121	QRE141J-153Y	C RESISTOR	15kΩ 1/4W J	
C2222	QETN1CM-107Z	E CAPACITOR	100uF 16V M		R201	QRE141J-512Y	C RESISTOR	5.1kΩ 1/4W J	
C2223	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J		R202	QRE141J-512Y	C RESISTOR	5.1kΩ 1/4W J	
C2230	QETN1HM-105Z	E CAPACITOR	1uF 50V M		R204	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J	
C2231	NCB31AK-154X	C CAPACITOR	0.15uF 10V K		R205	QRE141J-432Y	C RESISTOR	4.3kΩ 1/4W J	
C2239	QETN1HM-105Z	E CAPACITOR	1uF 50V M		R206	QRE141J-113Y	C RESISTOR	11kΩ 1/4W J	
C2500	QCB1HK-473Y	C CAPACITOR	0.047uF 50V K		R207	QRE141J-912Y	C RESISTOR	9.1kΩ 1/4W J	
C2501	QCB1HK-473Y	C CAPACITOR	0.047uF 50V K		R208	QRE141J-273Y	C RESISTOR	27kΩ 1/4W J	
C2502	QCB1HK-473Y	C CAPACITOR	0.047uF 50V K		R216	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
C2503	QCB1HK-473Y	C CAPACITOR	0.047uF 50V K		R221	QRE141J-153Y	C RESISTOR	15kΩ 1/4W J	
C2504	QCB1HK-222Y	C CAPACITOR	2200pF 50V K		R301	QRE141J-221Y	C RESISTOR	220Ω 1/4W J	
C2505	QCB1HK-222Y	C CAPACITOR	2200pF 50V K		R302	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J	
C2507	QDGB1HK-102Y	C CAPACITOR	1000pF 50V K		R303	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J	
C2508	QDGB1HK-102Y	C CAPACITOR	1000pF 50V K		R304	QRJ146J-101X	UNF C RESISTOR	100Ω 1/4W J	
C2600	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M		R305	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
C2601	QETN1JM-476Z	E CAPACITOR	47uF 63V M		R306	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J	
C2602	QETN1HM-107Z	E CAPACITOR	100uF 50V M		R310	QRJ146J-4R7X	UNF C RESISTOR	4.7Ω 1/4W J	
C2604	QETN1HM-474Z	E CAPACITOR	0.47uF 50V M		R313	QRE141J-2R2Y	C RESISTOR	2.2Ω 1/4W J	
C2605	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R314	QRE141J-153Y	C RESISTOR	15kΩ 1/4W J	
C2607	QETN1JM-476Z	E CAPACITOR	47uF 63V M		R315	QRE141J-101Y	C RESISTOR	100Ω 1/4W J	
C2702	QDGB1HK-102Y	C CAPACITOR	1000pF 50V K		R327	QRE141J-474Y	C RESISTOR	470kΩ 1/4W J	
C2900	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R335	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J	
C2901	QETN1CM-106Z	E CAPACITOR	10uF 16V M		R336	QRE141J-223Y	C RESISTOR	22kΩ 1/4W J	
C5100	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R337	QRE141J-332Y	C RESISTOR	3.3kΩ 1/4W J	
C5101	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R338	QRE141J-392Y	C RESISTOR	3.9kΩ 1/4W J	
C5102	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R339	QRE141J-104Y	C RESISTOR	100kΩ 1/4W J	
C5103	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R344	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J	
C5104	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R345	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J	
C5105	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R346	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J	
C5200	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R347	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
C5201	QEKJ1CM-226Z	E CAPACITOR	22uF 16V M		△ R353	QRZ9005-100X	FUSI RESISTOR	10Ω	
C5202	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R372	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
C5500	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R375	QRE141J-151Y	C RESISTOR	150Ω 1/4W J	
C5501	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R376	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J	
C5600	QDYB1CM-103Y	C CAPACITOR	0.01uF 16V M		R2000	QRE141J-4R7Y	C RESISTOR	4.7Ω 1/4W J	
C5601	QDYB1CM-103Y	C CAPACITOR	0.01uF 16V M		R2001	QRE141J-4R7Y	C RESISTOR	4.7Ω 1/4W J	
C5700	QCB1HK-103Y	C CAPACITOR	0.01uF 50V K		R2010	NRSA63J-752X	MG RESISTOR	7.5kΩ 1/16W J	
C5701	QCB1HK-101Y	C CAPACITOR	100pF 50V K		R2011	NRSA63J-752X	MG RESISTOR	7.5kΩ 1/16W J	
C5702	QCB1HK-101Y	C CAPACITOR	100pF 50V K		R2012	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
C5703	QCB1HK-101Y	C CAPACITOR	100pF 50V K		R2013	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
C5704	QCB1HK-101Y	C CAPACITOR	100pF 50V K		R2014	NRSA63J-303X	MG RESISTOR	30kΩ 1/16W J	
C7012	NDC31HJ-330X	C CAPACITOR	33pF 50V J		R2015	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
C7013	NDC31HJ-330X	C CAPACITOR	33pF 50V J		R2016	NRSA63J-622X	MG RESISTOR	6.2kΩ 1/16W J	
C7018	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R2017	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
C7227	NCB31HK-102X	C CAPACITOR	1000pF 50V K		△ R2020	QRL01DJ-181X	OMF RESISTOR	180Ω 1W J	
C7237	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		△ R2021	QRL01DJ-181X	OMF RESISTOR	180Ω 1W J	
C7240	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		△ R2030	QRL01DJ-181X	OMF RESISTOR	180Ω 1W J	
C7250	NCB31HK-102X	C CAPACITOR	1000pF 50V K		R2040	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
C7300	QETN1CM-107Z	E CAPACITOR	100uF 16V M		R2041	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
C7301	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M		R2047	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
C7302	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M		R2100	NRSA63J-303X	MG RESISTOR	30kΩ 1/16W J	
C7303	QETN0JM-108Z	E CAPACITOR	1000uF 6.3V M		R2101	NRSA63J-303X	MG RESISTOR	30kΩ 1/16W J	
C7304	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R2102	NRSA63J-303X	MG RESISTOR	30kΩ 1/16W J	
C7305	QETN1CM-107Z	E CAPACITOR	100uF 16V M		R2103	NRSA63J-303X	MG RESISTOR	30kΩ 1/16W J	
C7400	QETN1CM-476Z	E CAPACITOR	47uF 16V M		R2110	NRSA63J-752X	MG RESISTOR	7.5kΩ 1/16W J	
C7401	QETN1CM-476Z	E CAPACITOR	47uF 16V M		R2111	NRSA63J-752X	MG RESISTOR	7.5kΩ 1/16W J	
C7402	QETN1CM-476Z	E CAPACITOR	47uF 16V M		R2112	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
C7500	QETN1CM-106Z	E CAPACITOR	10uF 16V M		R2113	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
C7550	QEK1HM-106Z	E CAPACITOR	10uF 50V M		R2114	NRSA63J-303X	MG RESISTOR	30kΩ 1/16W J	
C7551	QEK1CM-107Z	E CAPACITOR	100uF 16V M		R2115	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
C7600	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M		R2116	NRSA63J-622X	MG RESISTOR	6.2kΩ 1/16W J	
C7601	NDC31HJ-220X	C CAPACITOR	22pF 50V J		R2117	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
C7602	NDC31HJ-220X	C CAPACITOR	22pF 50V J		R2140	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
C7603	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R2141	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
C7604	NCB31HK-561X	C CAPACITOR	560pF 50V K		R2147	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
C7605	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R2207	NRSA63J-513X	MG RESISTOR	51kΩ 1/16W J	
C7606	NCB31HK-331X	C CAPACITOR	330pF 50V K		R2208	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J	
C7607	QETN1HM-106Z	E CAPACITOR	10uF 50V M		R2218	QRE141J-471Y	C RESISTOR	470Ω 1/4W J	
C7608	QETN1AM-227Z	E CAPACITOR	220uF 10V M						

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
R2221	QRE141J-101Y	C RESISTOR	100Ω 1/4W J		R7056	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R2222	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		R7057	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R2224	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		R7060	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R2228	NRSA63J-334X	MG RESISTOR	330kΩ 1/16W J		R7061	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R2230	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J		R7062	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R2231	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J		R7075	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R2232	NRSA63J-302X	MG RESISTOR	3kΩ 1/16W J		R7076	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R2500	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R7077	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R2501	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R7083	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
△ R2600	QRZ9006-4R7X	F.RESISTOR	4.7Ω 1/4W J		R7084	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R2603	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J		R7085	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R2607	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J		R7086	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R2608	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J		R7087	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R2609	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J		R7089	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
△ R2610	QRZ9005-220X	FUSI RESISTOR	22Ω		R7090	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2620	QRE141J-2R2Y	C RESISTOR	2.2Ω 1/4W J		R7091	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2621	QRE141J-2R2Y	C RESISTOR	2.2Ω 1/4W J		R7093	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R2900	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		R7094	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R2901	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		R7095	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R2907	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J		R7096	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R2908	NRSA63J-243X	MG RESISTOR	24kΩ 1/16W J		R7208	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2909	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J		R7209	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2910	NRSA02J-511X	MG RESISTOR	510Ω 1/10W J		R7214	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2930	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J		R7220	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2931	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J		R7221	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2932	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		R7229	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2933	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		R7230	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2942	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J		R7235	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2943	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J		R7241	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R5100	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R7242	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R5101	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R7244	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R5102	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J		R7245	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R5103	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J		R7246	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R5104	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		R7250	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R5105	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J		R7254	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R5106	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J		R7296	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R5107	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J		R7300	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R5108	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R7301	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R5109	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J		R7302	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R5110	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J		R7303	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R5111	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J		R7304	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R5112	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		R7305	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R5113	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J		R7401	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R5114	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J		R7402	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R5115	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R7404	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R5116	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R7405	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R5500	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R7407	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R5501	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R7408	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R5700	QRE141J-101Y	C RESISTOR	100Ω 1/4W J		R7500	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7006	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		R7551	NRSA63J-161X	MG RESISTOR	160Ω 1/16W J	
R7007	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		R7600	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7008	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		R7601	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7009	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		R7602	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7018	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R7603	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7020	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		R7604	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7021	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		R7605	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7022	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		R7606	QRE141J-471Y	C RESISTOR	470Ω 1/4W J	
R7027	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		R7700	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7028	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		R7701	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7029	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		R7704	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7030	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		R7705	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7031	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		R7706	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R7033	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		R7777	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R7034	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		R7803	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R7036	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		R7804	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7037	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		VR31	QVP0077-203Z	TRIM RESISTOR	20kΩ	
R7041	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		VR290	QVP0008-102Z	TRIM RESISTOR	1kΩ	
R7042	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J						
R7044	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		L301	QQR1118-002	OSC COIL(BIAS)		
R7045	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		L303	QQL244K-100Z	COIL	10uH K	
R7046	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		L2000	QQR0797-001	COIL		
R7047	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		L2001	QQR0797-001	COIL		
R7048	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		L5600	QQL231K-470Y	COIL	47uH K	
R7050	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		L5601	QQL231K-470Y	COIL	47uH K	
R7052	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		L7040	QQL231K-4R7Y	COIL	4.7uH K	
R7053	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		L7300	QQL231K-100Y	COIL	10uH K	
R7054	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		L7500	QQL231K-4R7Y	COIL	4.7uH K	
R7055	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J						

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
CN31	QGA2001C1-07	CONNECTOR	W-B (1-7)		Q3107	KTA1267/YG/-T	TRANSISTOR		
CN32	QGF1205F1-16	CONNECTOR	FFC/FPC (1-16)		Q3200	KRA102M-T	DIGI TRANSISTOR		
CN510	QGF1016F3-05	CONNECTOR	FFC/FPC (1-5)		Q3201	2SC3576-JVC-T	TRANSISTOR		
CN550	QGF1016F3-23	CONNECTOR	FFC/FPC (1-23)		Q3202	2SC3576-JVC-T	TRANSISTOR		
CN551	QGF1016F3-05	CONNECTOR	FFC/FPC (1-5)						
CN552	QGF1016F3-09	CONNECTOR	FFC/FPC (1-9)		D1100	1N4003S-T5	SI DIODE		
CN570	QGF1016F3-09	CONNECTOR	FFC/FPC (1-9)		D1101	1SS119-041-T2	DIODE		
CN700	QGF1016C1-23	CONNECTOR	FFC/FPC (1-23)		D1200	1SS119-041-T2	DIODE		
CN750	QGA2501C1-02	CONNECTOR	W-B (1-2)		D1201	MTZJ5.6B-T2	Z DIODE		
CN760	QGA2501C1-05	CONNECTOR	W-B (1-5)		△ D1300	1N5402M-20	DIODE		
CN761	QGB2510J1-09	CONNECTOR	B-B (1-9)		△ D1301	1N5402M-20	DIODE		
CN762	QGB2510J1-12	CONNECTOR	B-B (1-12)		△ D1302	1N5402M-20	DIODE		
CN765	QGF1016C1-17	CONNECTOR	FFC/FPC (1-17)		△ D1303	1N5402M-20	DIODE		
CN766	QGF1201F3-11	CONNECTOR	FFC/FPC (1-11)		D1400	1N4003S-T5	SI DIODE		
CN790	QGF1201F3-16	CONNECTOR	FFC/FPC (1-16)		△ D1401	1N4003S-T5	SI DIODE		
CN791	QGF1201F3-10	CONNECTOR	FFC/FPC (1-10)		△ D1402	1N4003S-T5	SI DIODE		
DI570	QLF0117-001	FL TUBE			△ D1403	1N4003S-T5	SI DIODE		
J2000	QNB0118-001	SPK. TERMINAL			D1500	1SS119-041-T2	DIODE		
J2100	QNN0420-001	PIN JACK			D1501	MTZJ5.1B-T2	Z DIODE		
J5100	QSW0993-001	ROTARY ENCODER			△ D3100	MTZJ9.1B-T2	Z DIODE		
J5600	QNS0170-001	HEADPHONE JACK			D3101	1SS119-041-T2	DIODE		
K2900	QQR0621-001Z	COIL			D3102	1SS119-041-T2	DIODE		
K5600	QQR0621-001Z	COIL			D3103	1SS119-041-T2	DIODE		
K7023	QQR0621-001Z	COIL			△ D3104	MTZJ9.1B-T2	Z DIODE		
K7025	QQR0621-001Z	COIL			D3300	MTZJ11C-T2	Z DIODE		
K7049	QQR0621-001Z	COIL			D3301	1SS119-041-T2	DIODE		
K7300	QQR0621-001Z	COIL			△ D3302	MTZJ11C-T2	Z DIODE		
PP700	QZW0038-001	WIRE CLAMP			D3303	1SS119-041-T2	DIODE		
RY200	QSK0109-001	RELAY			△ D3304	MTZJ3.6B-T2	Z DIODE		
S5100	QSW0651-001Z	TACT SWITCH							
S5101	QSW0651-001Z	TACT SWITCH			C1100	QETM1EM-108	E CAPACITOR	1000uF 25V M	
S5102	QSW0651-001Z	TACT SWITCH			△ C1101	QCZ9105-472	C CAPACITOR	4700pF 250V M	
S5103	QSW0651-001Z	TACT SWITCH			C1200	QEK1C1M-107Z	E CAPACITOR	100uF 16V M	
S5104	QSW0651-001Z	TACT SWITCH			C1300	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
S5105	QSW0651-001Z	TACT SWITCH			C1301	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
S5106	QSW0651-001Z	TACT SWITCH			C1302	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
S5107	QSW0651-001Z	TACT SWITCH			C1303	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
S5108	QSW0651-001Z	TACT SWITCH			C1400	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
S5109	QSW0651-001Z	TACT SWITCH			C1401	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
S5110	QSW0651-001Z	TACT SWITCH			C1402	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
S5111	QSW0651-001Z	TACT SWITCH			C1403	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
S5112	QSW0651-001Z	TACT SWITCH			C1500	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
S5113	QSW0651-001Z	TACT SWITCH			C1600	QDGB1HK-102Y	C CAPACITOR	1000pF 50V K	
S5114	QSW0651-001Z	TACT SWITCH			C3000	QEZ0570-228	E CAPACITOR	2200uF	
S5115	QSW0651-001Z	TACT SWITCH			C3001	QEZ0570-228	E CAPACITOR	2200uF	
S5116	QSW0651-001Z	TACT SWITCH			C3002	QETM1EM-228	E CAPACITOR	2200uF 25V M	
S5200	QSW0651-001Z	TACT SWITCH			C3100	QCB1HK-101Y	C CAPACITOR	100pF 50V K	
S5500	QSW0651-001Z	TACT SWITCH			C3101	QCB1HK-101Y	C CAPACITOR	100pF 50V K	
S5501	QSW0651-001Z	TACT SWITCH			C3102	QTE1V06-106Z	E CAPACITOR	10uF 35V	
X7000	QAX0718-001Z	CRYSTAL	8.000000MHz		C3103	QTE1V06-106Z	E CAPACITOR	10uF 35V	
X7600	QAX0263-001Z	CRYSTAL	4.332MHz		C3104	QEK1HM-475Z	E CAPACITOR	4.7uF 50V M	

Power board

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

△ Symbol No.	Part No.	Part Name	Description	Local
△ IC340	STK432-070	IC	2ch AF power amp	
△ IC341	KIA7810API	IC	Regulator	
△ IC342	KIA7808API	IC	Regulator	
△ IC343	PQ3RD13	IC		
Q1100	KTC3199/GL/-T	TRANSISTOR		
Q1200	KTA1023/OY/-T	TRANSISTOR		
Q1201	KTC3199/GL/-T	TRANSISTOR		
Q1202	KTC3199/GL/-T	TRANSISTOR		
Q1500	KTC3199/GL/-T	TRANSISTOR		
Q3100	KRA102M-T	DIGI TRANSISTOR		
Q3101	2SC3576-JVC-T	TRANSISTOR		
Q3102	2SC3576-JVC-T	TRANSISTOR		
Q3103	KTA1268/GL/-T	TRANSISTOR		
Q3104	KTA1268/GL/-T	TRANSISTOR		
Q3105	KTC3199/GL/-T	TRANSISTOR		
Q3106	KTC3199/GL/-T	TRANSISTOR		

C1100	QETM1EM-108	E CAPACITOR	1000uF 25V M	
△ C1101	QCZ9105-472	C CAPACITOR	4700pF 250V M	
C1200	QEK1C1M-107Z	E CAPACITOR	100uF 16V M	
C1300	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
C1301	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
C1302	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
C1303	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
C1400	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
C1401	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
C1402	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
C1403	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
C1500	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1600	QDGB1HK-102Y	C CAPACITOR	1000pF 50V K	
C3000	QEZ0570-228	E CAPACITOR	2200uF	
C3001	QEZ0570-228	E CAPACITOR	2200uF	
C3002	QETM1EM-228	E CAPACITOR	2200uF 25V M	
C3100	QCB1HK-101Y	C CAPACITOR	100pF 50V K	
C3101	QCB1HK-101Y	C CAPACITOR	100pF 50V K	
C3102	QTE1V06-106Z	E CAPACITOR	10uF 35V	
C3103	QTE1V06-106Z	E CAPACITOR	10uF 35V	
C3104	QEK1HM-475Z	E CAPACITOR	4.7uF 50V M	
C3105	QCB1HK-101Y	C CAPACITOR	100pF 50V K	
C3106	QENC1HM-106Z	BP E CAPACITOR	10uF 50V M	
C3107	QCSB1HJ-100Y	C CAPACITOR	10pF 50V J	
C3109	QETN1HM-476Z	E CAPACITOR	47uF 50V M	
C3110	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
C3111	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
C3112	QFLC1HJ-223Z	M CAPACITOR	0.022uF 50V J	
C3113	FQCF31HZ-223Z	D.CAPACITOR		
C3114	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C3115	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C3116	FQCF31HZ-223Z	D.CAPACITOR		
C3117	QENC1HM-106Z	BP E CAPACITOR	10uF 50V M	
C3118	QCB1HK-101Y	C CAPACITOR	100pF 50V K	
C3119	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
C3120	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
C3121	QCSB1HJ-100Y	C CAPACITOR	10pF 50V J	
C3122	QETN1HM-476Z	E CAPACITOR	47uF 50V M	
C3123	QETN1EM-226Z	E CAPACITOR	22uF 25V M	
C3124	FQCF31HZ-223Z	D.CAPACITOR		
C3125	QETN1HM-226Z	E CAPACITOR	22uF 50V M	
C3126	QETN1CM-476Z	E CAPACITOR	47uF 16V M	
C3200	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C3300	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C3301	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C3302	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C3303	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C3304	QETN1HM-106Z	E CAPACITOR	10uF 50V M	

△ Symbol No.	Part No.	Part Name	Description	Local
C3306	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
R1101	QRE141J-332Y	C RESISTOR	3.3kΩ 1/4W J	
R1200	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R1201	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R1202	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R1203	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R1500	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R1501	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R1502	QRE141J-473Y	C RESISTOR	47kΩ 1/4W J	
R3100	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J	
R3101	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J	
R3102	QRE141J-203Y	C RESISTOR	20kΩ 1/4W J	
R3103	QRE141J-221Y	C RESISTOR	220Ω 1/4W J	
R3104	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R3105	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R3106	QRE141J-473Y	C RESISTOR	47kΩ 1/4W J	
R3107	QRE141J-473Y	C RESISTOR	47kΩ 1/4W J	
R3108	QRE141J-473Y	C RESISTOR	47kΩ 1/4W J	
R3109	FQRJ143J-821X	UNF C RESISTOR		
△ R3110	QRJ146J-100X	UNF C RESISTOR	10Ω 1/4W J	
R3111	QRJ146J-100X	UNF C RESISTOR	10Ω 1/4W J	
R3112	QRE141J-333Y	C RESISTOR	33kΩ 1/4W J	
R3113	QRT01DJ-R22X	MF RESISTOR	0.22Ω 1W J	
R3114	QRT01DJ-R22X	MF RESISTOR	0.22Ω 1W J	
R3115	QRJ146J-101X	UNF C RESISTOR	100Ω 1/4W J	
R3116	QRE141J-221Y	C RESISTOR	220Ω 1/4W J	
R3117	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R3118	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J	
R3119	QRE141J-221Y	C RESISTOR	220Ω 1/4W J	
R3120	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J	
R3121	QRT01DJ-R22X	MF RESISTOR	0.22Ω 1W J	
R3122	QRT01DJ-R22X	MF RESISTOR	0.22Ω 1W J	
R3123	QRJ146J-101X	UNF C RESISTOR	100Ω 1/4W J	
R3124	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R3125	QRJ146J-100X	UNF C RESISTOR	10Ω 1/4W J	
△ R3126	QRJ146J-100X	UNF C RESISTOR	10Ω 1/4W J	
R3127	QRE141J-473Y	C RESISTOR	47kΩ 1/4W J	
R3128	QRE141J-124Y	C RESISTOR	120kΩ 1/4W J	
R3129	FQRJ143J-821X	UNF C RESISTOR		
R3130	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R3131	QRE141J-104Y	C RESISTOR	100kΩ 1/4W J	
△ R3132	QRZ9006-4R7X	F.RESISTOR	4.7Ω 1/4W J	
R3133	QRE141J-823Y	C RESISTOR	82kΩ 1/4W J	
R3134	QRE141J-104Y	C RESISTOR	100kΩ 1/4W J	
R3135	QRE141J-104Y	C RESISTOR	100kΩ 1/4W J	
R3136	QRE141J-122Y	C RESISTOR	1.2kΩ 1/4W J	
R3137	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R3138	QRJ146J-100X	UNF C RESISTOR	10Ω 1/4W J	
R3150	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J	
R3200	FQRJ143J-821X	UNF C RESISTOR		
R3201	FQRJ143J-821X	UNF C RESISTOR		
R3202	FQRJ143J-821X	UNF C RESISTOR		
R3203	FQRJ143J-821X	UNF C RESISTOR		
R3204	QRE141J-221Y	C RESISTOR	220Ω 1/4W J	
R3206	QRE141J-473Y	C RESISTOR	47kΩ 1/4W J	
R3207	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R3208	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R3300	QRT01DJ-R47X	MF RESISTOR	0.47Ω 1W J	
R3301	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R3302	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R3303	QRT01DJ-R33X	MF RESISTOR	0.33Ω 1W J	
R3304	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R3305	QRE141J-183Y	C RESISTOR	18kΩ 1/4W J	
R3310	QRE141J-272Y	C RESISTOR	2.7kΩ 1/4W J	
L3100	QQLZ035-R39	COIL	0.39uH	
L3101	QQLZ035-R39	COIL	0.39uH	
△ T1100	QQT0253-002	POWER TRANSF		
△ CN100	QGA7901F2-02	CONNECTOR	W-B (1-2)	
△ CN101	QGA7901F2-02	CONNECTOR	W-B (1-2)	
CN102	QGA3901C1-05	CONNECTOR	W-B (1-5)	
CN103	QGB2510J1-14	CONNECTOR	B-B (1-14)	
CN104	QGA2501F1-04	CONNECTOR	W-B (1-4)	
CN350	QGB2510K2-14	CONNECTOR	B-B (1-14)	
CN351	QGB2510K2-12	CONNECTOR	B-B (1-12)	
CN352	QGB2510K2-09	CONNECTOR	B-B (1-9)	

△ Symbol No.	Part No.	Part Name	Description	Local
EP300	QNZ0136-001Z	EARTH PLATE		
△ LF110	QQR1321-001	LINE FILTER		
PP300	QZW0038-001	WIRE CLAMP		
△ RY110	QSK0124-001	RELAY		
TH332	QAD0015-103Z	THERMISTOR	10kΩ	
Z1100	QNG0003-001Z	FUSE CLIP		
Z1101	QNG0003-001Z	FUSE CLIP		
Z1300	QNG0003-001Z	FUSE CLIP		
Z1301	QNG0003-001Z	FUSE CLIP		
Z1302	QNG0003-001Z	FUSE CLIP		
Z1303	QNG0003-001Z	FUSE CLIP		
Z1400	QNG0003-001Z	FUSE CLIP		
Z1401	QNG0003-001Z	FUSE CLIP		

Loading switch board

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

△ Symbol No.	Part No.	Part Name	Description	Local
IC1	LB1641	IC	DC Motor driver	
IC2	LB1641	IC	DC Motor driver	
D1	MTZJ6.2A-T2	Z DIODE		
C1	QEK1AM-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	QGB1214J1-08S	CONNECTOR	B-B (1-8)	
CN3	QGB1214K1-08S	CONNECTOR	B-B (1-8)	
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		
SW7	QSW0886-002	DETECT SWITCH		
SW8	QSW0886-002	DETECT SWITCH		

CD servo board

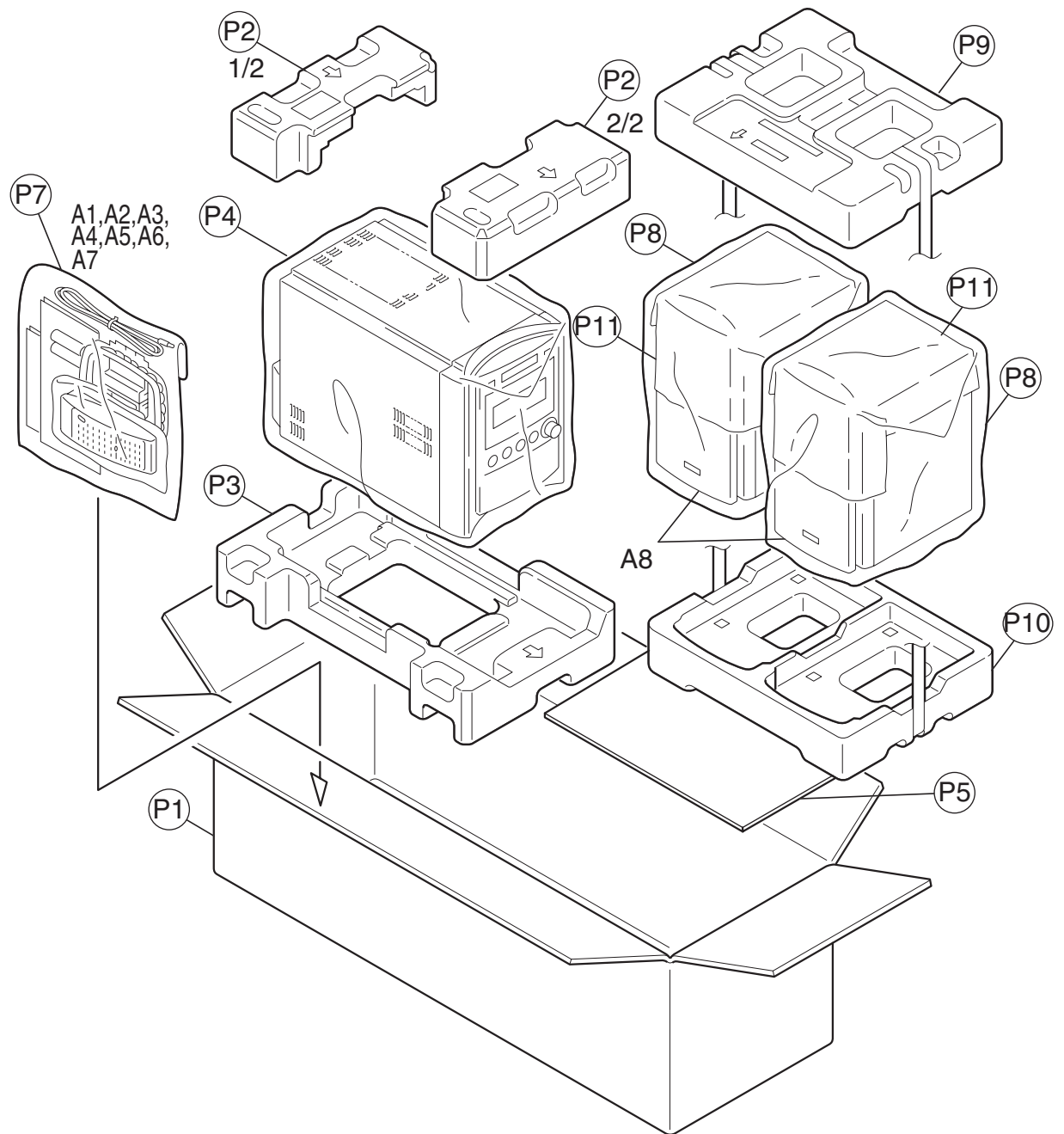
Block No. [0][4][0][0]

△ Symbol No.	Part No.	Part Name	Description	Local
IC201	BR24L08FV-W-X	IC		
IC251	MN101C61DML	IC		
IC601	AN22002A-W	IC		
IC651	MN662790RSC	IC		
IC801	AN4801SB-W	IC	4 channel power of amp system driver	
Q291	2SB1424/QR/-W	TRANSISTOR		
Q631	2SA1037AK/RS/-X	TRANSISTOR		
Q651	UN2211-X	TRANSISTOR		
Q652	UN2211-X	TRANSISTOR		
Q673	UN2211-X	TRANSISTOR		
C201	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C251	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C252	QEKJ0JM-476Z	E CAPACITOR	47uF 6.3V M	
C253	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C258	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	
C291	QEKJ0JM-476Z	E CAPACITOR	47uF 6.3V M	
C601	NCB31CK-333X	C CAPACITOR	0.033uF 16V K	
C603	NCB31EK-223X	C CAPACITOR	0.022uF 25V K	
C604	NCB31EK-223X	C CAPACITOR	0.022uF 25V K	

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
C605	NDC31HJ-331X	C CAPACITOR	330pF 50V J		R602	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
C606	NDC31HJ-151X	C CAPACITOR	150pF 50V J		R603	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
C610	NCB31CK-563X	C CAPACITOR	0.056uF 16V K		R604	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
C611	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R605	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C612	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R606	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C614	NCB31CK-393X	C CAPACITOR	0.039uF 16V K		R607	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
C615	NCB31HK-272X	C CAPACITOR	2700pF 50V K		R608	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
C616	NCB31HK-272X	C CAPACITOR	2700pF 50V K		R611	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
C621	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R613	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
C622	QEKJ1AM-107Z	E CAPACITOR	100uF 10V M		R617	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C623	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R621	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C624	QEKJ1AM-107Z	E CAPACITOR	100uF 10V M		R622	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C631	QEKJ1CM-106Z	E CAPACITOR	10uF 16V M		R623	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C632	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R624	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C633	NCB31EK-223X	C CAPACITOR	0.022uF 25V K		R631	NRSA63J-2R2X	MG RESISTOR	2.2Ω 1/16W J	
C641	NDC31HJ-100X	C CAPACITOR	10pF 50V J		R632	NRSA63J-3R9X	MG RESISTOR	3.9Ω 1/16W J	
C642	NDC31HJ-390X	C CAPACITOR	39pF 50V J		R634	NRSA63J-3R9X	MG RESISTOR	3.9Ω 1/16W J	
C643	NDC31HJ-360X	C CAPACITOR	36pF 50V J		R635	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
C651	NDC31HJ-1R0X	C CAPACITOR	1pF 50V J		R651	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C652	NDC31HJ-1R0X	C CAPACITOR	1pF 50V J		R652	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C653	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R653	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C655	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R654	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C656	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R655	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C657	QEKJ1AM-107Z	E CAPACITOR	100uF 10V M		R656	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C658	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R657	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C661	NDC31HJ-471X	C CAPACITOR	470pF 50V J		R659	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C663	NCB31EK-223X	C CAPACITOR	0.022uF 25V K		R660	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
C664	NCB31EK-223X	C CAPACITOR	0.022uF 25V K		R661	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
C665	NCB21CK-154X	C CAPACITOR	0.15uF 16V K		R662	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J	
C667	NCB21AK-225X	C CAPACITOR	2.2uF 10V K		R663	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J	
C668	NCB31HK-102X	C CAPACITOR	1000pF 50V K		R664	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
C673	QEKJ1AM-107Z	E CAPACITOR	100uF 10V M		R665	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
C676	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R666	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
C677	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R667	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C678	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R668	NRSA63J-155X	MG RESISTOR	1.5MΩ 1/16W J	
C679	QEKJ1AM-107Z	E CAPACITOR	100uF 10V M		R669	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
C680	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R671	NRSA63J-684X	MG RESISTOR	680kΩ 1/16W J	
C801	QERF1AM-227Z	E CAPACITOR	220uF 10V M		R673	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
C802	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R675	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C805	NCB31HK-681X	C CAPACITOR	680pF 50V K		R677	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C806	NCB31CK-103X	C CAPACITOR	0.01uF 16V K		R678	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C863	NCB31HK-272X	C CAPACITOR	2700pF 50V K		R679	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C864	NCB31HK-272X	C CAPACITOR	2700pF 50V K		R682	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
					R683	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R241	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R685	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J	
R243	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R694	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R253	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		R697	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R255	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R698	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R256	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R699	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R258	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R801	NRSA63J-203X	MG RESISTOR	20kΩ 1/16W J	
R259	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R802	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R261	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R805	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J	
R262	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R806	NRSA63J-622X	MG RESISTOR	6.2kΩ 1/16W J	
R263	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R809	NRSA63J-433X	MG RESISTOR	43kΩ 1/16W J	
R264	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R811	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R265	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R814	NRSA63J-622X	MG RESISTOR	6.2kΩ 1/16W J	
R266	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R815	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R267	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R818	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R271	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R861	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R274	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R862	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R278	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R863	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R280	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R864	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R281	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J						
R282	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		CN251	QGF1036F1-15	CONNECTOR	FFC/FPC (1-15)	
R283	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		CN252	QGA2001F1-02	CONNECTOR	W-B (1-2)	
R284	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		CN253	QGA2001F1-03	CONNECTOR	W-B (1-3)	
R285	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		CN601	QGF1006F2-16W	CONNECTOR	FFC/FPC (1-16)	
R286	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		CN602	QGA2001F1-06	CONNECTOR	W-B (1-6)	
R287	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		CN605	QGF1016F3-04	CONNECTOR	FFC/FPC (1-4)	
R288	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		CN651	QGF1036F1-17	CONNECTOR	FFC/FPC (1-17)	
R289	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		CN652	QGF1036F1-08	CONNECTOR	FFC/FPC (1-8)	
R290	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		K655	NQR0007-002X	FERRITE BEADS		
R291	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		K656	NQR0251-004X	FERRITE BEADS		
R292	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		K657	NQR0251-004X	FERRITE BEADS		
R293	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		K658	NQR0251-004X	FERRITE BEADS		
R297	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J		X251	QAX0684-001Z	C RESONATOR	8.38MHz	
R298	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		X651	NAX0476-001X	CRYSTAL	33.8688MHz	
R601	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J						

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	GVT0103-003B	INST BOOK	ENG	B70B
A 1	GVT0103-004B	INST BOOK	GER,FRE,DUT	B70E
A 1	GVT0103-005B	INST BOOK	SWE,FIN,DAN GER,FRE,SPA,ITA	B70EN
A 2	RM-SUXB70R	REMOCON UNIT		
A 3	-----	BATTERY	(x2)	
A 4	BT-54013-5	WARRANTY CARD		
A 5	QAL0457-001	ANT.WIRE		
A 6	QAL0014-001	AM LOOP ANT		

△ Symbol No.	Part No.	Part Name	Description	Local
A 7	VNA3000-204	REGISTER CARD		B70B
A 8	UXB70E-SPBOX	SPEAKER BOX	(x2)	
P 1	GV20233-004A	CARTON BOX		
P 2	GV10150-001A	CUSHION UPPER		
P 3	GV10150-002A	CUSHION LOWER		
P 4	QPC06005515P	POLY BAG	60cm x 55cm	
P 5	GV40237-002A	CARTON SPACER		
P 7	QPC02503515P	POLY BAG	25cm x 35cm	
P 8	IVA802300-0015	POLY BAG	(x2)	
P 9	ITF830253-0001	TOP POLYFOAM		
P 10	ITF830253-0002	BTM POLYFOAM		
P 11	IVH802001-0042	MIRAMAT SHEET	(x2)	

PARTS LIST

[UX-B70]

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

Area suffix

EV ----- Eastern Europe

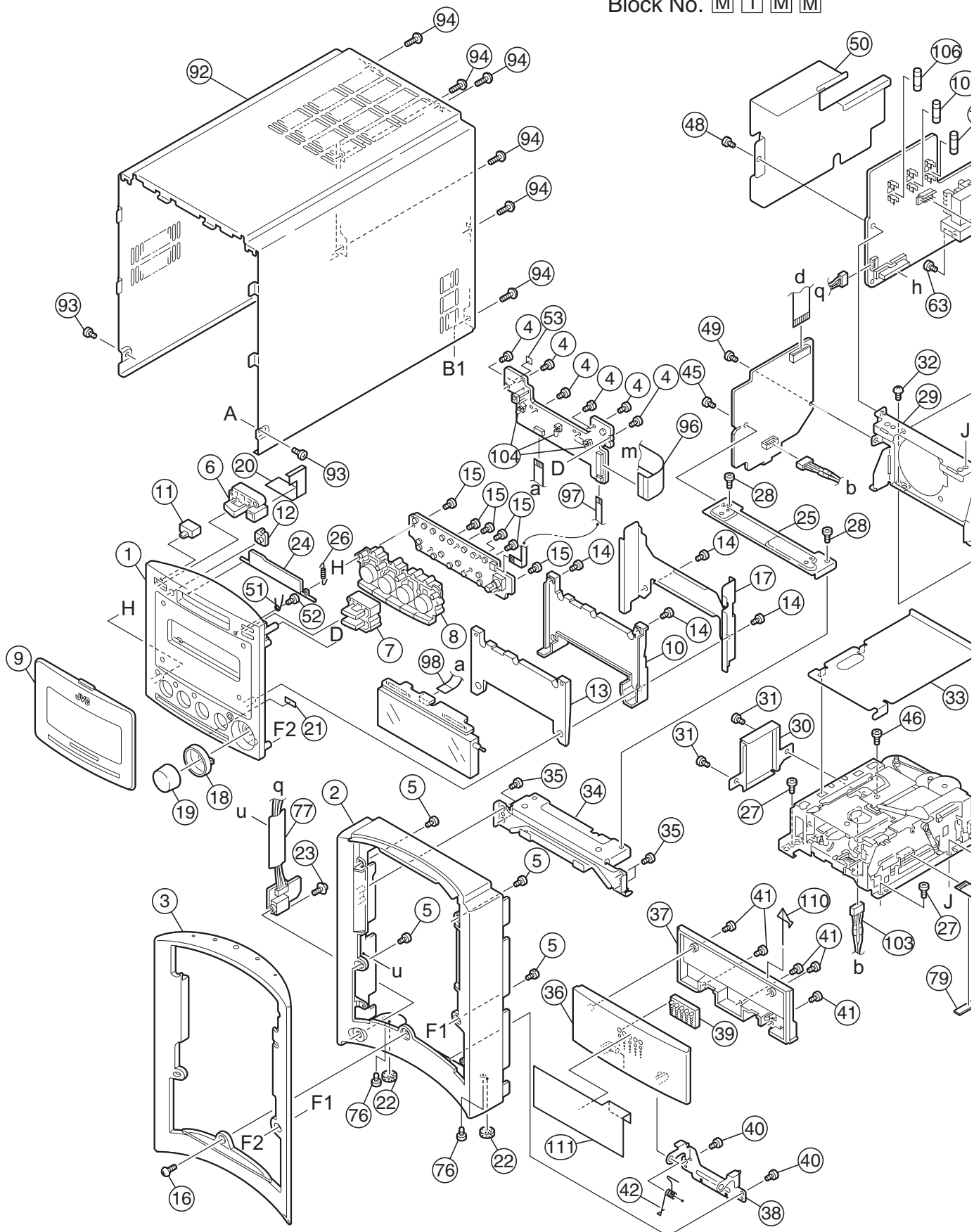
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CD changer mechanism assembly and parts list (Block No.MA)	3- 6
CD mechanism assembly and parts list (Block No.MB)	3- 8
Cassette mechanism assembly and parts list (Block No.MP)	3- 9
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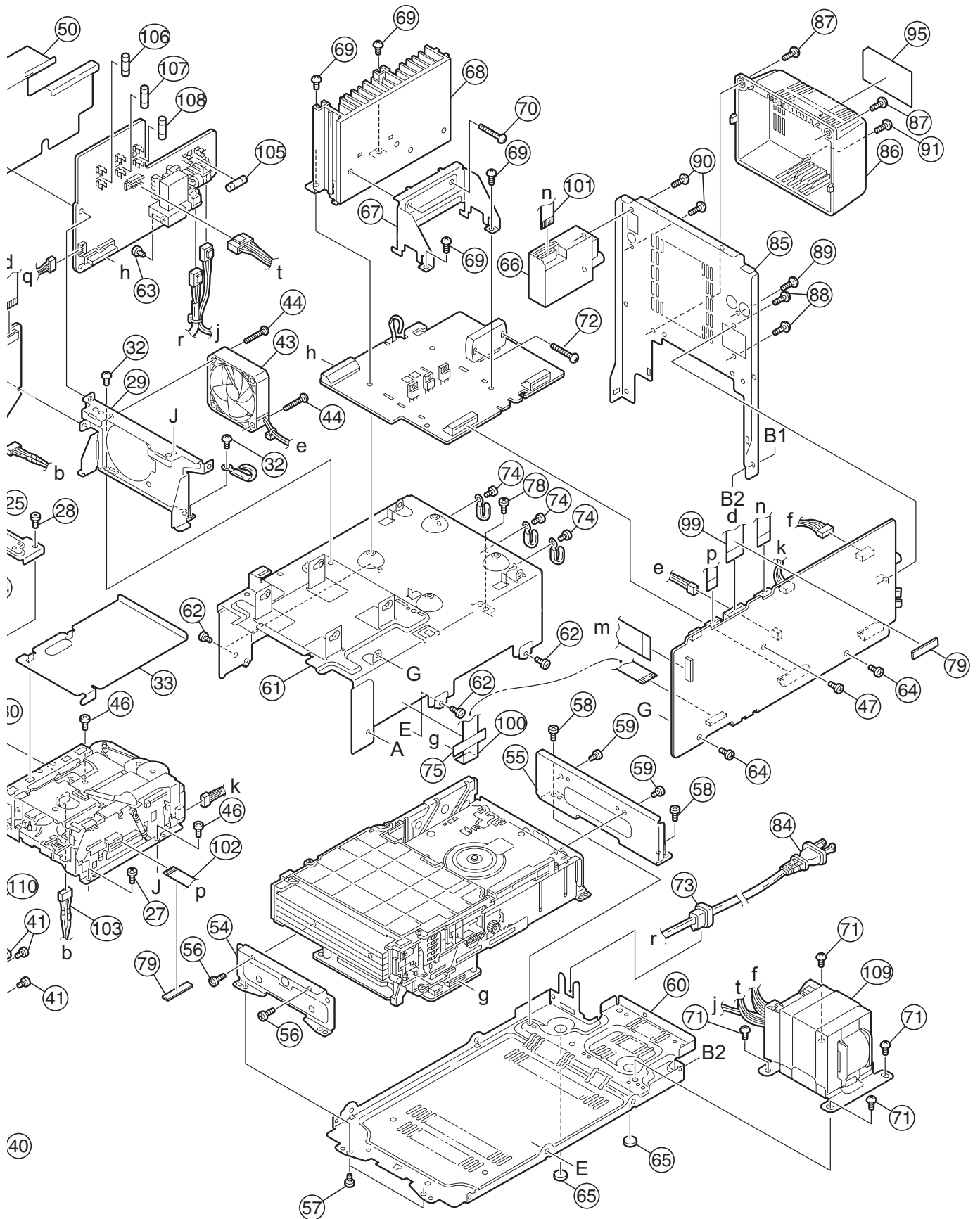
Exploded view of general assembly and parts list

Block No.

M	1	M	M
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M



General assembly

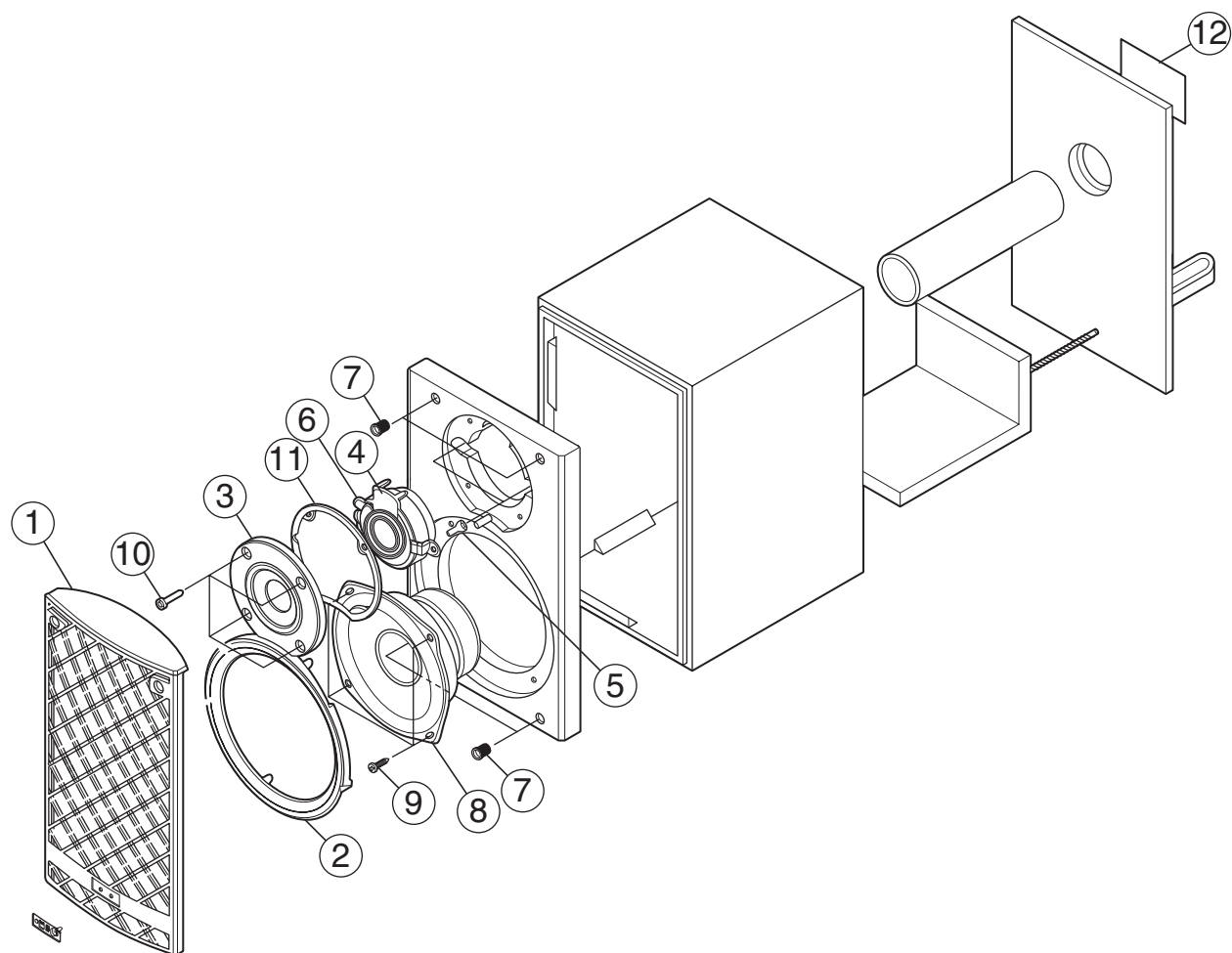
Block No. [M][1][M][M]

Symbol No.	Part No.	Part Name	Description	Local
1	GV10145-005A	FRONT PANEL		
2	GV10143-007A	FRONT BASE		
3	GV10144-006A	FRAME LENS		
4	QYSDSF2608Z	SCREW	2.6mm x 8mm(x6)	
5	QYSBSF3010Z	TAP SCREW	3mm x 10mm(x4)	
6	GV30435-001A	POWER BUTTON		
7	GV30436-001A	COLOR BUTTON		
8	GV30452-012A	MAIN BTN.ASSY.		
9	GV30459-006A	FRONT LENS B		
10	GV30458-001A	LENS HOLDER		
11	GV40399-001A	STANDBY LENS		
12	GV40400-001A	REMOTE LENS		
13	GV30465-002A	LED LENS		
14	QYSDSF2608Z	SCREW	2.6mm x 8mm(x4)	
15	QYSDSF2608Z	SCREW	2.6mm x 8mm(x6)	
16	QYSBSF3008M	TAP SCREW	3mm x 8mm	
17	GV30483-001A	COVER SHEET		
18	GV30439-001A	VOLUME RING		
19	GV30443-001A	VOLUME KNOB		
20	GV40442-001A	COVER SHEET C		
21	GV40121-007A	SPACER		
22	GV40184-002A	FOOT SPACER	(x2)	
23	GV40035-001A	SPECIAL SCREW		
24	GV30437-003A	CASS LID		
25	GV30450-001A	CASS BRACKET		
26	GV40422-001A	CASS SPRING		
27	QYSBST3004Z	SCREW	3mm x 4mm(x2)	
28	QYSBST3006Z	TAPPING SCREW	3mm x 6mm(x2)	
29	GV30451-001A	CASS STAND		
30	GV30233-001A	HEAD SHIELD		
31	QYSDST3004Z	TAP SCREW	M3 x 4mm(x2)	
32	QYSDST3005Z	TAP SCREW	M3 x 5mm(x2)	
33	GV30480-002A	MECHA PROTECTOR		
34	GV30444-001A	STAY BRACKET		
35	QYSDSF2608Z	SCREW	2.6mm x 8mm(x4)	
36	GV30440-012A	CD DOOR		
37	GV30441-006A	CD DOOR COVER		
38	GV30445-003A	CD DOOR BKT.		
39	GV40405-003A	CD LENS		
40	QYSDSF2608Z	SCREW	2.6mm x 8mm(x2)	
41	QYSDSF2605M	TAP SCREW	M2.6 x 5mm(x5)	
42	GV40420-001A	CD SPRING		
43	QAR0124-003	FAN		
44	QYSBSG3020Z	TAP SCREW	M3 x 20mm(x2)	
45	QYSBST3006Z	TAPPING SCREW	3mm x 6mm	
46	QYSBST3006Z	TAPPING SCREW	3mm x 6mm(x2)	
47	QYSBST3006Z	TAPPING SCREW	3mm x 6mm	
48	QYSBST3006Z	TAPPING SCREW	3mm x 6mm	
49	QYSBST3006Z	TAPPING SCREW	3mm x 6mm	
50	GV30479-001A	PRIMARY PROTECT		
51	GV40453-001A	SPRING		
52	E72405-001SS	SPECIAL SCREW		
53	E3400-431	SPACER		
54	GV30446-002A	CD BRACKET(F)		
55	GV30447-001A	CD BRACKET(R)		
56	QYSDST3006M	TAP SCREW	M3 x 6mm(x2)	
57	QYSDST3005Z	TAP SCREW	M3 x 5mm(x2)	
58	QYSBST4006Z	SCREW	4mm x 6mm(x2)	
59	QYSBST3004Z	SCREW	3mm x 4mm(x2)	
60	GV10146-001A	BOTTOM CHASSIS		
61	GV10147-001A	MAIN CHASSIS		
62	QYSSST3006Z	SCREW	3mm x 6mm(x4)	
63	QYSBSGG3008E	TAPPING SCREW	3mm x 8mm	
64	QYSBST3006Z	TAPPING SCREW	3mm x 6mm(x2)	
65	GV40184-002A	FOOT SPACER	(x2)	
66	QAU0278-002	TUNER ASSY.		
67	GV30448-002A	IC HOLDER		
68	GV30449-002A	HEAT SINK		
69	QYSBST3006Z	TAPPING SCREW	3mm x 6mm(x4)	
70	QYSBSG3016Z	TAP SCREW	M3 x 16mm(x2)	
71	QYSBST4006Z	SCREW	4mm x 6mm(x4)	
72	QYSBSG3016Z	TAP SCREW	M3 x 16mm(x2)	
73	QZW0033-001	STRAIN RELIEF		
74	QYSDST3005Z	TAP SCREW	M3 x 5mm(x3)	

Symbol No.	Part No.	Part Name	Description	Local
75	GV40242-004A	COMMON SPACER		
76	QYSSST3006Z	SCREW	3mm x 6mm(x2)	
77	GV30349-005A	SPACER		
78	QYSDST3005Z	TAP SCREW	M3 x 5mm	
79	GV40251-003A	SPACER	(x2)	
84	QMPK200-200-JD	POWER CORD(EU)	2m BLACK	
85	GV10149-008A	REAR PANEL		
86	GV20232-001A	REAR COVER		
87	QYSBSGY3008E	SPECIAL SCREW	3mm x 8mm(x2)	
88	QYSBSGY3008E	SPECIAL SCREW	3mm x 8mm(x2)	
89	QYSBSGY3008E	SPECIAL SCREW	3mm x 8mm	
90	QYSBSGY3008E	SPECIAL SCREW	3mm x 8mm(x2)	
91	QYSBSGY3008E	SPECIAL SCREW	3mm x 8mm	
92	GV10148-001A/S/	METAL COVER		
93	QYSDSG3006M	TAP SCREW	3mm x 6mm(x2)	
94	QYSBSGY3008E	SPECIAL SCREW	3mm x 8mm(x6)	
95	GV30453-002A	RATING LABEL		
96	QUQH10-2308BF	FFC CABLE		
97	QUQH10-0508BJ	FFC CABLE		
98	QUQH10-0906BF	FFC CABLE		
99	QUQH12-1619AJ	FFC CABLE		
100	QUQH10-1713AJ	FFC CABLE		
101	QUQH12-1130AJ	FFC CABLE		
102	QUQH12-1009BJ	FFC CABLE		
103	WJN0113-001A	WIRE	W 31	
104	GV40424-001A	LED	(x3)	
105	QMF51W2-1R6-J8	FUSE	F1000 1.6A AC250V	
106	QMF51W2-1R6-J8	FUSE	F1001 1.6A AC250V	
107	QMF51W2-5R0-J8	FUSE	F1002 5A AC250V	
108	QMF51W2-5R0-J8	FUSE	F1003 5A AC250V	
109	QQT0400-002	POWER TRANSF	T 1101	
110	GV40494-001A	DOOR SPRING		
111	GV40495-001A	PAPER SHEET		

Speaker assembly and parts list

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



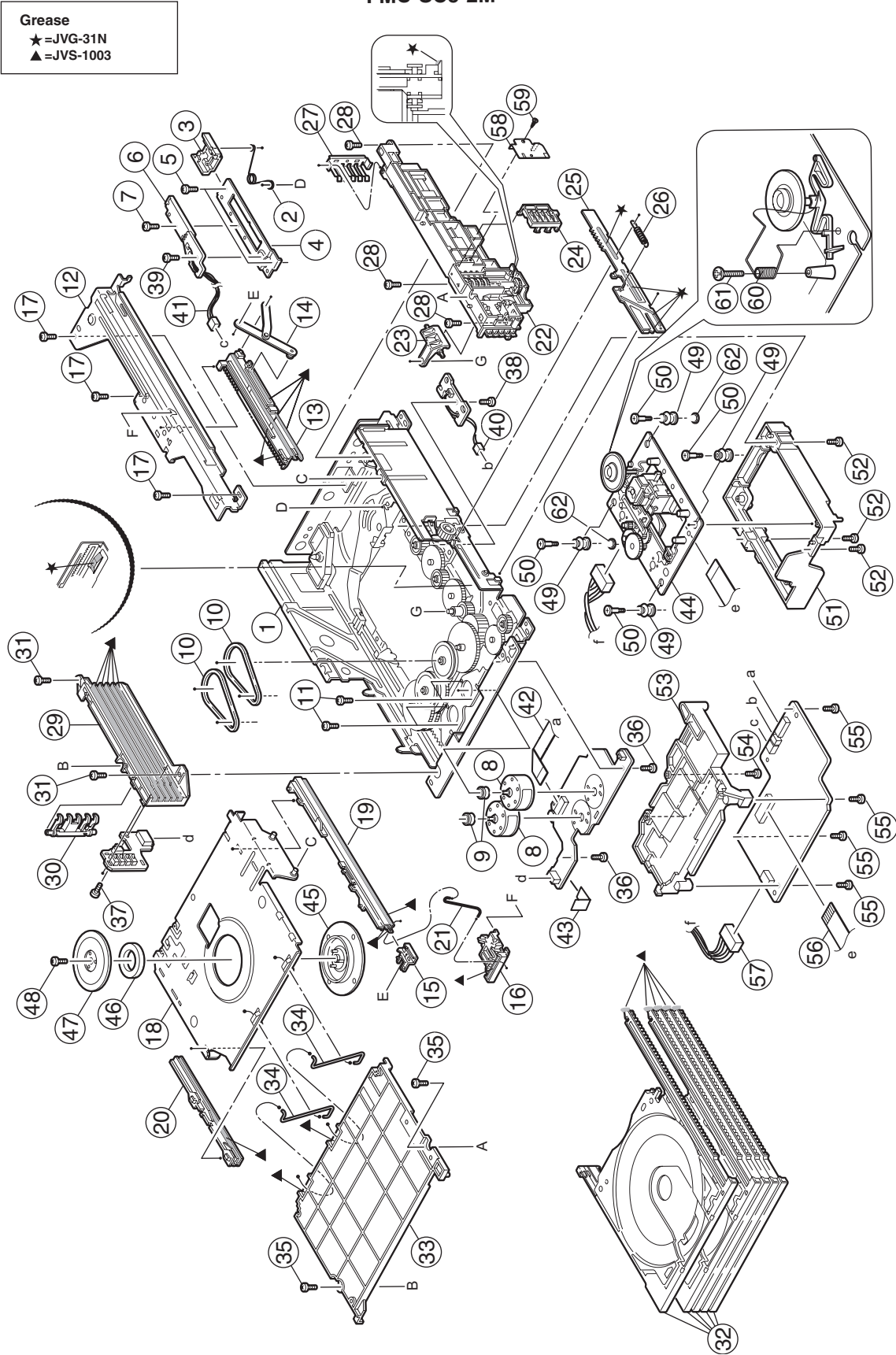
Speaker

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

△ Symbol No.	Part No.	Part Name	Description	Local
1	ASW803236-0001	CLOTH FRAME	(x2)	
2	BPR840121-0002	WOOFER ORNAMENT	(x2)	
3	BPR810108-0001	TW. ORNAMENT	(x2)	
4	FSA845010-0501	DOMT TWTETER	(x2)	
5	NST845053-2120	SCREW	(x4)	
6	IVE802002-0051	TW. GASKET	(x2)	
7	BRG800004-0001	RUBBER GROMATE	(x8)	
8	FSB826045-0601	WOOFER	(x2)	
9	NSP845051-4161	SCREW	(x8)	
10	NSX855051-8201	SCREW	(x8)	
11	IVE800001-0059	TW. ORNT. FELT	(x2)	
12	YLB806001-0555	BACK LABEL	(x2)	

CD changer mechanism assembly and parts list

Block No. M A M M



CD changer mechanism

Block No. [M][A][M][M]

△ Symbol No.	Part No.	Part Name	Description	Local
1	LV10743-003A	CHASSIS ASSY		
2	LV43278-001A	SENSOR SPRING		
3	LV33961-001A	SENSOR SLIDER		
4	LV33962-001A	SENSOR BRACKET		
5	QYSDST2605Z	SCREW	2.6mm x 5mm(x2)	
6	QVY0027-B14	S V RESISTOR		
7	QYSDST2004Z	SCREW	2mm x 4mm	
8	QAR0164-001	MOTOR	(x2)	
9	LV42340-001A	MOTOR PULLEY	(x2)	
10	LV41431-001A	BELT	(x2)	
11	QYSPSPU1725N	SCREW	1.7mm x 2.5mm(x4)	
12	LV10744-002A	RACK HOLDER		
13	LV21406-002A	LOADING RACK		
14	LV43279-001A	LIFT ARM ASSY		
15	LV33963-001A	HOOK		
16	LV33964-001A	HOOK STOPPER		
17	QYSDST2605Z	SCREW	2.6mm x 5mm(x3)	
18	LV33965-005A	LIFTER ASSY		
19	LV21408-002A	RAIL(R)		
20	LV21409-002A	RAIL(L)		
21	LV43285-001A	ROD (L)		
22	LV21520-002A	SIDE(R) ASSY		
23	LV33974-001A	SELECT LEVER		
24	LV33975-001A	GEAR COVER		
25	LV33976-001A	ELEVATOR CAM		
26	LV43287-001A	ELEVATOR SPRING		
27	LV33977-002A	CLICK SPRING		
28	QYSDST2605Z	SCREW	2.6mm x 5mm(x3)	
29	LV10749-001A	SIDE(L)		
30	LV33980-001A	OPEN DET.LEVER		
31	QYSDST2605Z	SCREW	2.6mm x 5mm(x2)	
32	LV10746-002A	TRAY ASSY	(x5)	
33	LV10750-002A	TOP COVER		
34	LV43289-001A	ROD	(x2)	
35	QYSDSF2608Z	SCREW	2.6mm x 8mm(x2)	
36	QYSDST2605Z	SCREW	2.6mm x 5mm(x2)	
37	QYSDSF2608Z	SCREW	2.6mm x 8mm	
38	QYSDST2605Z	SCREW	2.6mm x 5mm	
39	QYSDST2004Z	SCREW	2mm x 4mm	
40	WJM0330-001A	E-SI C WIRE C-F		
41	WJM0331-001A	E-SI C WIRE C-F		
42	QUQ110-1521BF	FFC WIRE		
43	VYSA1R4-056	SPACER		
44	-----	CD TRAMECHA ASS		
45	VKS3697-001	CLAMPER		
46	VYH7313-005	P.C.MAGNET		
47	LV33981-001A	CD YOKE		
48	QYSDSF2606Z	SCREW	2.6mm x 6mm	
49	LV41659-002A	INSULATOR	(x4)	
50	LV43245-001A	SPECIAL SCREW	(x4)	
51	LV21410-001A	CD TM BASE		
52	QYSDST2605Z	SCREW	2.6mm x 5mm(x3)	
53	LV21411-001A	CD MODULE BKT		
54	QYSDST2605Z	SCREW	2.6mm x 5mm(x2)	
55	QYSDSF2608Z	SCREW	2.6mm x 8mm(x4)	
56	QUQ610-1611AJ	FFC WIRE		
57	QJJ010-061802	SIN CR C-C WIRE		
58	LV34373-001A	COVER BKT		
59	QYSDSF2608Z	SCREW	2.6mm x 8mm	
60	LV43608-001A	SP.MOTOR SPRING		
61	GV40133-001A	SPECIAL SCREW		
62	QYWFM51A025	WASHER	#NEV21.5mm x 0.02mm(x2)	

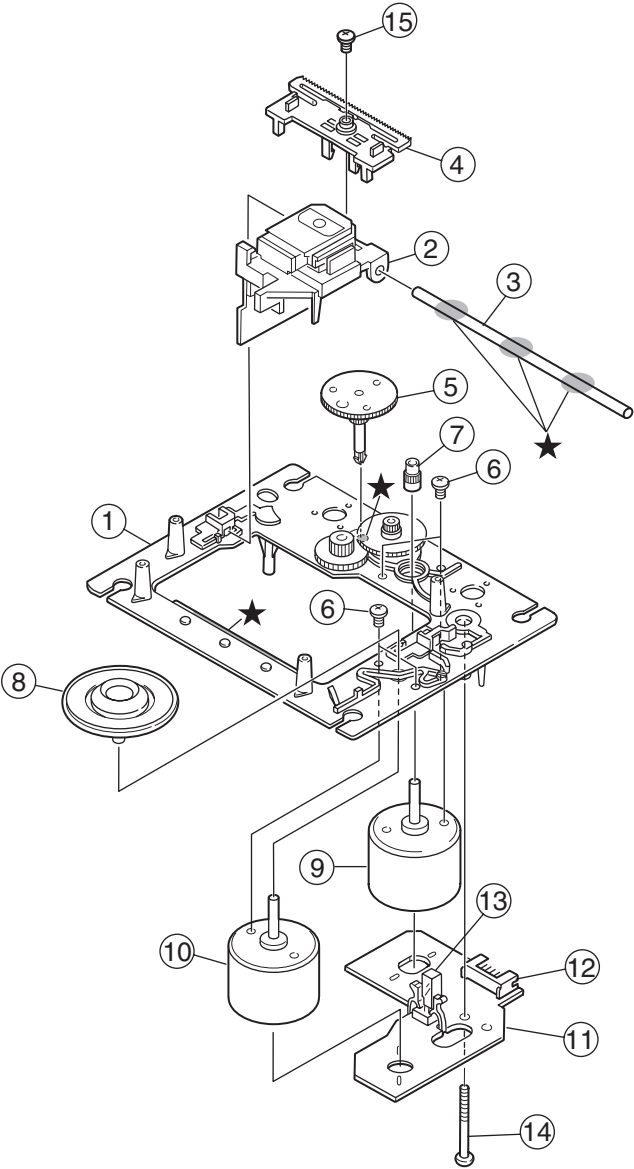
CD mechanism assembly and parts list

Block No. MBMM

Grease & Bond

★ = JVG-31N

FXL-M75T-2M



CD mechanism

Block No. MBMM

Symbol No.	Part No.	Part Name	Description	Local
1	LV10723-002A	CD MECHA BASE A		
2	OPTIMA-73B1C	C.D PICK		
3	E406777-002SM	C.D SHAFT		
4	LV31002-001A	CD RACK		
5	E307745-441SM	C.D GEAR 3		
6	QYSDSP2003N	SCREW	2mm x 3mm(x4)	
7	E406750-442SM	PINION		
8	LV42350-001A	T.T.ASSY		
9	QAR0253-001	FEED MOTOR		
10	QAR0276-001	SP MOTOR		
11	EMW10190-441	CIR BOARD		
12	QGA2001F1-06	CONNECTOR		W-B (1-6)
13	QSW0506-001	LEAF SW		
14	E75832-221SS	SPECIAL SCREW		
15	QYSDSF2006Z	SCREW		2mm x 6mm

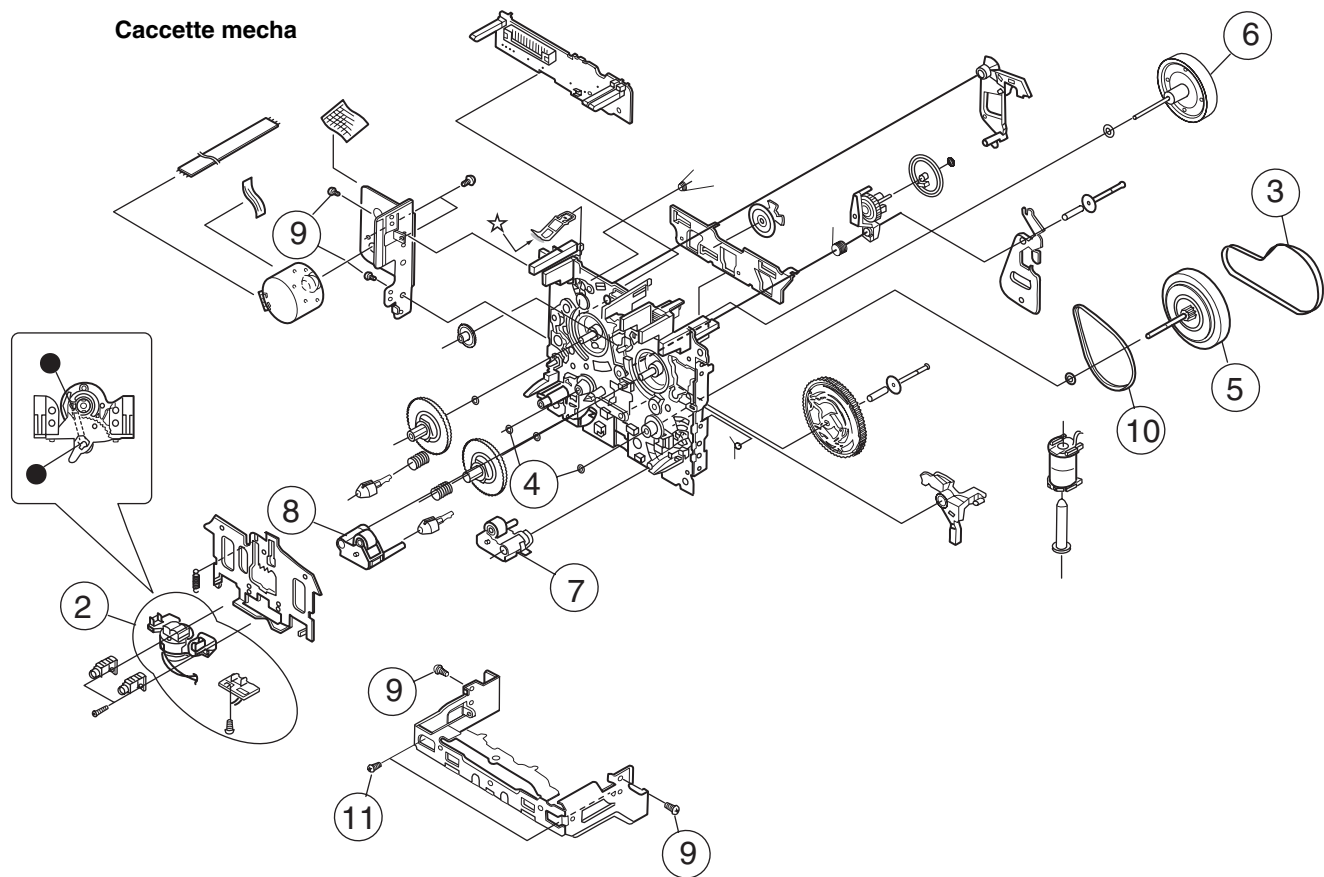
Cassette mechanism assembly and parts list

Grease
● EM-60L
☆ FL-721

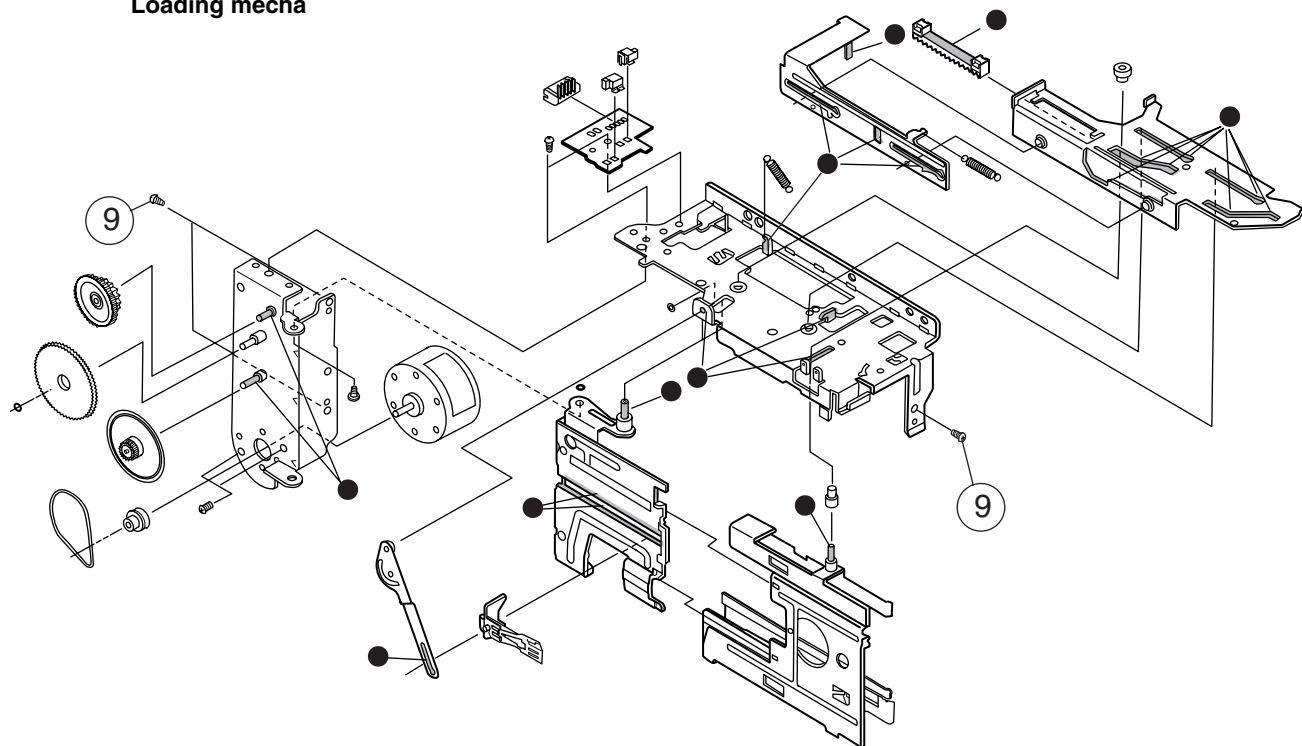
CMAL2Z816A

Block No. M P M M

Caccette mecha



Loading mecha



Cassette mechanism

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

 Symbol No.	Part No.	Part Name	Description	Local
1	BDL1182-001M	C MECHA UNIT		
2	F513-896	HEAD BLOCK		
3	FF19Y	MAIN BELT		
4	UJ16F-11	WASHER	(x2)	
5	F522-064	FLYWHEEL		
6	FR26K	FLYWHEEL		
7	F514-129	PINCH ROLLER(R)		
8	F514-130	PINCH ROLLER(L)		
9	KG194-28	TT SCREW	2.6X4(x2)	
10	FF18W	F/R BELT		
11	KG194-34	TT.SCREW	2.0X4(x2)	

Electrical parts list

Micon board

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

Symbol No.	Part No.	Part Name	Description	Local
IC32	HA12238F	IC		
IC33	CD4094BC	IC		
IC520	GP1UM281XK	IR DETECT UNIT	38kHz	
IC760	LC72723	IC(RDS)		
IC900	MN101C57DFD2	MASK MICON		
IC901	LC75345M-X	IC		
IC902	LB1641	IC		
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		
Q2209	2SC2412K/R/-X	TRANSISTOR		
Q2210	2SC2412K/R/-X	TRANSISTOR		
Q2211	2SC2001/K/-T	TRANSISTOR		
Q2600	KTC3200/GL/-T	TRANSISTOR		
Q2601	KTA1268/GL/-T	TRANSISTOR		
Q2602	KTD863/Y/-T	TRANSISTOR		
Q7300	2SC2412K/R/-X	TRANSISTOR		
Q7301	DTC114TKA-X	TRANSISTOR		
Q7400	KTC3199/GL/-T	TRANSISTOR		
Q7401	KTC3199/GL/-T	TRANSISTOR		
Q7402	KTC3199/GL/-T	TRANSISTOR		
Q7500	2SA1037AK/R/-X	TRANSISTOR		
Q7501	DTC144EKA-X	DIGI TRANSISTOR		
Q7550	DTC114TKA-X	TRANSISTOR		
Q7600	2SB709A/R/-X	TRANSISTOR		
Q7601	DTC114EKA-X	TRANSISTOR		
Q7602	2SC2001/K/-T	TRANSISTOR		
Q7700	KRC104M-T	TRANSISTOR		
Q7701	KRC102M-T	DIGI TRANSISTOR		
Q7801	KTC3199/GL/-T	TRANSISTOR		
Q7802	DTC144EKA-X	DIGI TRANSISTOR		
D340	MTZJ5.1B-T2	Z DIODE		
D375	MTZJ8.2B-T2	Z DIODE		
D2000	MTZJ24C-T2	Z DIODE		
D2100	1SS119-041-T2	DIODE		
D2101	1SS119-041-T2	DIODE		
D2205	1SS119-041-T2	DIODE		
D2206	1SS119-041-T2	DIODE		
D2230	1SS119-041-T2	DIODE		
D2600	MTZJ5.1C-T2	Z DIODE		
Δ D2601	1N4003S-T5	SI DIODE		
Δ D2602	1N4003S-T5	SI DIODE		
Δ D2603	1N4003S-T5	SI DIODE		
D2604	MTZJ18C-T2	Z DIODE		
D2605	MTZJ22C-T2	Z.DIODE I.M.		
D2900	MTZJ6.8B-T2	Z DIODE		
D5200	SPR-39MVWF	LED	RED-GREEN	
D5400	SELU1E10WXM-P	LED		
D5401	SELU1E10WXM-P	LED		
D5402	SELU1E10WXM-P	LED		
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		
D7305	1SS119-041-T2	DIODE		
D7306	MA700A-T2	SB DIODE		
D7500	1SS119-041-T2	DIODE		
D7501	1SS119-041-T2	DIODE		
D7550	1SS119-041-T2	DIODE		
D7551	1SS355-X	SI DIODE		

Symbol No.	Part No.	Part Name	Description	Local
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	QEKJ1AM-227Z	E CAPACITOR	220uF 10V M	
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	
C399	QEKJ1CM-107Z	E CAPACITOR	100uF 16V M	
C2005	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C2006	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C2007	QTE1V06-106Z	E CAPACITOR	10uF 35V	
C2008	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C2009	QTE1V06-106Z	E CAPACITOR	10uF 35V	
C2010	QTE1V06-106Z	E CAPACITOR	10uF 35V	
C2011	QFLC1HJ-272Z	M CAPACITOR	2700pF 50V J	
C2012	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
C2013	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
C2014	QFVJ1HJ-184Z	MF CAPACITOR	0.18uF 50V J	
C2015	QFVJ1HJ-184Z	MF CAPACITOR	0.18uF 50V J	
C2016	QFVJ1HJ-154Z	MF CAPACITOR	0.15uF 50V J	
C2017	QTE1C06-226Z	E CAPACITOR	22uF 16V	
C2018	QFVJ1HJ-124Z	MF CAPACITOR	0.12uF 50V J	
C2019	QFVJ1HJ-274Z	MF CAPACITOR	0.27uF 50V J	
C2026	QFLC1HJ-183Z	M CAPACITOR	0.018uF 50V J	
C2100	NCB31HK-221X	C CAPACITOR	220pF 50V K	
C2101	NCB31HK-221X	C CAPACITOR	220pF 50V K	
C2102	QDGB1HK-102Y	C CAPACITOR	1000pF 50V K	
C2105	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C2106	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C2107	QTE1V06-106Z	E CAPACITOR	10uF 35V	
C2108	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C2109	QTE1V06-106Z	E CAPACITOR	10uF 35V	
C2110	QTE1V06-106Z	E CAPACITOR	10uF 35V	
C2111	QFLC1HJ-272Z	M CAPACITOR	2700pF 50V J	
C2112	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
C2113	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
C2114	QFVJ1HJ-184Z	MF CAPACITOR	0.18uF 50V J	
C2115	QFVJ1HJ-184Z	MF CAPACITOR	0.18uF 50V J	
C2116	QFVJ1HJ-154Z	MF CAPACITOR	0.15uF 50V J	

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
C2117	QTE1C06-226Z	E CAPACITOR	22uF 16V		R101	QRE141J-512Y	C RESISTOR	5.1kΩ 1/4W J	
C2118	QFVJ1HJ-124Z	MF CAPACITOR	0.12uF 50V J		R102	QRE141J-512Y	C RESISTOR	5.1kΩ 1/4W J	
C2119	QFVJ1HJ-274Z	MF CAPACITOR	0.27uF 50V J		R104	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J	
C2126	QFLC1HJ-183Z	M CAPACITOR	0.018uF 50V J		R105	QRE141J-432Y	C RESISTOR	4.3kΩ 1/4W J	
C2213	QETN1HM-106Z	E CAPACITOR	10uF 50V M		R106	QRE141J-113Y	C RESISTOR	11kΩ 1/4W J	
C2215	QETN1CM-107Z	E CAPACITOR	100uF 16V M		R107	QRE141J-912Y	C RESISTOR	9.1kΩ 1/4W J	
C2220	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J		R108	QRE141J-273Y	C RESISTOR	27kΩ 1/4W J	
C2221	QETN1CM-107Z	E CAPACITOR	100uF 16V M		R116	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
C2222	QETN1CM-107Z	E CAPACITOR	100uF 16V M		R121	QRE141J-153Y	C RESISTOR	15kΩ 1/4W J	
C2223	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J		R201	QRE141J-512Y	C RESISTOR	5.1kΩ 1/4W J	
C2230	QETN1HM-105Z	E CAPACITOR	1uF 50V M		R202	QRE141J-512Y	C RESISTOR	5.1kΩ 1/4W J	
C2231	NCB31AK-154X	C CAPACITOR	0.15uF 10V K		R204	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J	
C2239	QETN1HM-105Z	E CAPACITOR	1uF 50V M		R205	QRE141J-432Y	C RESISTOR	4.3kΩ 1/4W J	
C2500	QCB1HK-473Y	C CAPACITOR	0.047uF 50V K		R206	QRE141J-113Y	C RESISTOR	11kΩ 1/4W J	
C2501	QCB1HK-473Y	C CAPACITOR	0.047uF 50V K		R207	QRE141J-912Y	C RESISTOR	9.1kΩ 1/4W J	
C2502	QCB1HK-473Y	C CAPACITOR	0.047uF 50V K		R208	QRE141J-273Y	C RESISTOR	27kΩ 1/4W J	
C2503	QCB1HK-473Y	C CAPACITOR	0.047uF 50V K		R216	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
C2504	QCB1HK-222Y	C CAPACITOR	2200pF 50V K		R221	QRE141J-153Y	C RESISTOR	15kΩ 1/4W J	
C2505	QCB1HK-222Y	C CAPACITOR	2200pF 50V K		R301	QRE141J-221Y	C RESISTOR	220Ω 1/4W J	
C2507	QDGB1HK-102Y	C CAPACITOR	1000pF 50V K		R302	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J	
C2508	QDGB1HK-102Y	C CAPACITOR	1000pF 50V K		R303	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J	
C2600	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M		R304	QRJ146J-101X	UNF C RESISTOR	100Ω 1/4W J	
C2601	QETN1JM-476Z	E CAPACITOR	47uF 63V M		R305	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
C2602	QETN1HM-107Z	E CAPACITOR	100uF 50V M		R306	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J	
C2604	QETN1HM-474Z	E CAPACITOR	0.47uF 50V M		R310	QRJ146J-4R7X	UNF C RESISTOR	4.7Ω 1/4W J	
C2605	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R313	QRE141J-2R2Y	C RESISTOR	2.2Ω 1/4W J	
C2607	QETN1JM-476Z	E CAPACITOR	47uF 63V M		R314	QRE141J-153Y	C RESISTOR	15kΩ 1/4W J	
C2702	QDGB1HK-102Y	C CAPACITOR	1000pF 50V K		R315	QRE141J-101Y	C RESISTOR	100Ω 1/4W J	
C2900	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R327	QRE141J-474Y	C RESISTOR	470kΩ 1/4W J	
C2901	QETN1HM-106Z	E CAPACITOR	10uF 50V M		R335	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J	
C5100	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R336	QRE141J-223Y	C RESISTOR	22kΩ 1/4W J	
C5101	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R337	QRE141J-332Y	C RESISTOR	3.3kΩ 1/4W J	
C5102	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R338	QRE141J-392Y	C RESISTOR	3.9kΩ 1/4W J	
C5103	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R339	QRE141J-104Y	C RESISTOR	100kΩ 1/4W J	
C5104	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R344	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J	
C5105	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R345	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J	
C5200	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R346	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J	
C5201	QEKJ1CM-226Z	E CAPACITOR	22uF 16V M		R347	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
C5202	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		△ R353	QRZ9005-100X	FUSI RESISTOR	10Ω	
C5500	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R372	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
C5501	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R375	QRE141J-151Y	C RESISTOR	150Ω 1/4W J	
C5600	QDYB1CM-103Y	C CAPACITOR	0.01uF 16V M		R376	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J	
C5601	QDYB1CM-103Y	C CAPACITOR	0.01uF 16V M		R2000	QRE141J-4R7Y	C RESISTOR	4.7Ω 1/4W J	
C5700	QCB1HK-103Y	C CAPACITOR	0.01uF 50V K		R2001	QRE141J-4R7Y	C RESISTOR	4.7Ω 1/4W J	
C5701	QCB1HK-101Y	C CAPACITOR	100pF 50V K		R2010	NRSA63J-752X	MG RESISTOR	7.5kΩ 1/16W J	
C5702	QCB1HK-101Y	C CAPACITOR	100pF 50V K		R2011	NRSA63J-752X	MG RESISTOR	7.5kΩ 1/16W J	
C5703	QCB1HK-101Y	C CAPACITOR	100pF 50V K		R2012	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
C5704	QCB1HK-101Y	C CAPACITOR	100pF 50V K		R2013	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
C7012	NDC31HJ-330X	C CAPACITOR	33pF 50V J		R2014	NRSA63J-303X	MG RESISTOR	30kΩ 1/16W J	
C7013	NDC31HJ-330X	C CAPACITOR	33pF 50V J		R2015	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
C7018	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R2016	NRSA63J-622X	MG RESISTOR	6.2kΩ 1/16W J	
C7227	NCB31HK-102X	C CAPACITOR	1000pF 50V K		R2017	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
C7237	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		△ R2020	QRL01DJ-181X	OMF RESISTOR	180Ω 1W J	
C7240	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		△ R2021	QRL01DJ-181X	OMF RESISTOR	180Ω 1W J	
C7250	NCB31HK-102X	C CAPACITOR	1000pF 50V K		△ R2030	QRL01DJ-181X	OMF RESISTOR	180Ω 1W J	
C7300	QETN1CM-107Z	E CAPACITOR	100uF 16V M		R2040	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
C7301	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M		R2041	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
C7302	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M		R2047	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
C7303	QETN0JM-108Z	E CAPACITOR	1000uF 6.3V M		R2100	NRSA63J-303X	MG RESISTOR	30kΩ 1/16W J	
C7304	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R2101	NRSA63J-303X	MG RESISTOR	30kΩ 1/16W J	
C7305	QETN1CM-107Z	E CAPACITOR	100uF 16V M		R2102	NRSA63J-303X	MG RESISTOR	30kΩ 1/16W J	
C7400	QETN1VM-476Z	E CAPACITOR	47uF 35V M		R2103	NRSA63J-303X	MG RESISTOR	30kΩ 1/16W J	
C7401	QETN1VM-476Z	E CAPACITOR	47uF 35V M		R2110	NRSA63J-752X	MG RESISTOR	7.5kΩ 1/16W J	
C7402	QETN1VM-476Z	E CAPACITOR	47uF 35V M		R2111	NRSA63J-752X	MG RESISTOR	7.5kΩ 1/16W J	
C7500	QETN1HM-106Z	E CAPACITOR	10uF 50V M		R2112	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
C7550	QEK1CM-106Z	E CAPACITOR	10uF 50V M		R2113	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
C7551	QEK1CM-107Z	E CAPACITOR	100uF 16V M		R2114	NRSA63J-303X	MG RESISTOR	30kΩ 1/16W J	
C7600	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M		R2115	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
C7601	NDC31HJ-220X	C CAPACITOR	22pF 50V J		R2116	NRSA63J-622X	MG RESISTOR	6.2kΩ 1/16W J	
C7602	NDC31HJ-220X	C CAPACITOR	22pF 50V J		R2117	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
C7603	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R2140	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
C7604	NCB31HK-561X	C CAPACITOR	560pF 50V K		R2141	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
C7605	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R2147	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
C7606	NCB31HK-331X	C CAPACITOR	330pF 50V K		R2207	NRSA63J-513X	MG RESISTOR	51kΩ 1/16W J	
C7607	QETN1HM-106Z	E CAPACITOR	10uF 50V M		R2208	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J	
C7608	QETN1AM-227Z	E CAPACITOR	220uF 10V M		R2218	QRE141J-471Y	C RESISTOR	470Ω 1/4W J	
C7800	QDGB1HK-102Y	C CAPACITOR	1000pF 50V K		R2221	QRE141J-101Y	C RESISTOR	100Ω 1/4W J	
					R2222	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
R2224	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		R7060	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R2228	NRSA63J-334X	MG RESISTOR	330kΩ 1/16W J		R7061	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R2230	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J		R7062	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R2231	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J		R7075	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R2232	NRSA63J-302X	MG RESISTOR	3kΩ 1/16W J		R7076	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R2500	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R7077	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R2501	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R7083	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
△ R2600	QRZ9006-4R7X	F.RESISTOR	4.7Ω 1/4W J		R7084	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R2603	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J		R7085	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R2607	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J		R7086	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R2608	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J		R7087	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R2609	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J		R7089	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
△ R2610	QRZ9005-220X	FUSI RESISTOR	22Ω		R7090	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2620	QRE141J-2R2Y	C RESISTOR	2.2Ω 1/4W J		R7091	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2621	QRE141J-2R2Y	C RESISTOR	2.2Ω 1/4W J		R7093	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R2900	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		R7094	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R2901	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		R7095	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R2907	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J		R7096	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R2908	NRSA63J-243X	MG RESISTOR	24kΩ 1/16W J		R7208	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2909	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J		R7209	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2910	NRSA02J-511X	MG RESISTOR	510Ω 1/10W J		R7214	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2930	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J		R7220	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2931	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J		R7221	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2932	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		R7229	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2933	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		R7230	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2942	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J		R7235	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2943	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J		R7241	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R5100	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R7242	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R5101	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R7244	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R5102	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J		R7245	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R5103	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J		R7246	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R5104	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		R7250	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R5105	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J		R7254	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R5106	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J		R7296	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R5107	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J		R7300	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R5108	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R7301	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R5109	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J		R7302	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R5110	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J		R7303	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R5111	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J		R7304	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R5112	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		R7305	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R5113	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J		R7401	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R5114	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J		R7402	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R5115	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R7404	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R5116	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R7405	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R5500	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R7407	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R5501	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R7408	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R5700	QRE141J-101Y	C RESISTOR	100Ω 1/4W J		R7500	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7006	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		R7551	NRSA63J-161X	MG RESISTOR	160Ω 1/16W J	
R7007	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		R7600	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7008	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		R7601	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7009	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		R7602	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7018	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R7603	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7020	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		R7604	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7021	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		R7605	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7022	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		R7606	QRE141J-471Y	C RESISTOR	470Ω 1/4W J	
R7027	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		R7700	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7028	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		R7701	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7029	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		R7704	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7030	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		R7705	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7031	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		R7706	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R7033	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		R7777	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R7034	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		R7803	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R7036	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		R7804	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7037	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		VR31	QVP0077-203Z	TRIM RESISTOR	20kΩ	
R7041	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		VR290	QVP0008-102Z	TRIM RESISTOR	1kΩ	
R7042	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J						
R7044	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		L301	QQR1118-002	OSC COIL(BIAS)		
R7045	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		L303	QQL244K-100Z	COIL	10uH K	
R7046	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		L2000	QQR0797-001	COIL		
R7047	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		L2001	QQR0797-001	COIL		
R7048	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		L5600	QQL231K-470Y	COIL	47uH K	
R7050	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		L5601	QQL231K-470Y	COIL	47uH K	
R7052	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		L7040	QQL231K-4R7Y	COIL	4.7uH K	
R7053	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		L7300	QQL231K-100Y	COIL	10uH K	
R7054	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		L7500	QQL231K-4R7Y	COIL	4.7uH K	
R7055	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J						
R7056	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J		CN31	QGA2001C1-07	CONNECTOR	W-B (1-7)	
R7057	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J		CN32	QGF1205F1-16	CONNECTOR	FFC/FPC (1-16)	

△ Symbol No.	Part No.	Part Name	Description	Local
CN510	QGF1016F3-05	CONNECTOR	FFC/FPC (1-5)	
CN550	QGF1016F3-23	CONNECTOR	FFC/FPC (1-23)	
CN551	QGF1016F3-05	CONNECTOR	FFC/FPC (1-5)	
CN552	QGF1016F3-09	CONNECTOR	FFC/FPC (1-9)	
CN570	QGF1016F3-09	CONNECTOR	FFC/FPC (1-9)	
CN700	QGF1016C1-23	CONNECTOR	FFC/FPC (1-23)	
CN750	QGA2501C1-02	CONNECTOR	W-B (1-2)	
CN760	QGA2501C1-05	CONNECTOR	W-B (1-5)	
CN761	QGB2510J1-09	CONNECTOR	B-B (1-9)	
CN762	QGB2510J1-12	CONNECTOR	B-B (1-12)	
CN765	QGF1016C1-17	CONNECTOR	FFC/FPC (1-17)	
CN766	QGF1201F3-11	CONNECTOR	FFC/FPC (1-11)	
CN790	QGF1201F3-16	CONNECTOR	FFC/FPC (1-16)	
CN791	QGF1201F3-10	CONNECTOR	FFC/FPC (1-10)	
DI570	QLF0117-001	FL TUBE		
J2000	QNB0118-001	SPK.TERMINAL		
J2100	QNN0420-001	PIN JACK		
J5100	QSW0993-001	ROTARY ENCODER		
J5600	QNS0170-001	HEADPHONE JACK		
K2900	QQR0621-001Z	COIL		
K5600	QQR0621-001Z	COIL		
K7023	QQR0621-001Z	COIL		
K7025	QQR0621-001Z	COIL		
K7049	QQR0621-001Z	COIL		
K7300	QQR0621-001Z	COIL		
PP700	QZW0038-001	WIRE CLAMP		
RY200	QSK0109-001	RELAY		
S5100	QSW0651-001Z	TACT SWITCH		
S5101	QSW0651-001Z	TACT SWITCH		
S5102	QSW0651-001Z	TACT SWITCH		
S5103	QSW0651-001Z	TACT SWITCH		
S5104	QSW0651-001Z	TACT SWITCH		
S5105	QSW0651-001Z	TACT SWITCH		
S5106	QSW0651-001Z	TACT SWITCH		
S5107	QSW0651-001Z	TACT SWITCH		
S5108	QSW0651-001Z	TACT SWITCH		
S5109	QSW0651-001Z	TACT SWITCH		
S5110	QSW0651-001Z	TACT SWITCH		
S5111	QSW0651-001Z	TACT SWITCH		
S5112	QSW0651-001Z	TACT SWITCH		
S5113	QSW0651-001Z	TACT SWITCH		
S5114	QSW0651-001Z	TACT SWITCH		
S5115	QSW0651-001Z	TACT SWITCH		
S5116	QSW0651-001Z	TACT SWITCH		
S5200	QSW0651-001Z	TACT SWITCH		
S5500	QSW0651-001Z	TACT SWITCH		
S5501	QSW0651-001Z	TACT SWITCH		
X7000	QAX0718-001Z	CRYSTAL	8.000000MHz	
X7600	QAX0263-001Z	CRYSTAL	4.332MHz	

Power board

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

△ Symbol No.	Part No.	Part Name	Description	Local
△ IC340	STK432-070	IC		
△ IC341	KIA7810API	IC		
△ IC342	KIA7808API	IC		
△ IC343	PQ3RD13	IC		
Q1100	KTC3199/GL-T	TRANSISTOR		
Q1200	KTA1023/OY-T	TRANSISTOR		
Q1201	KTC3199/GL-T	TRANSISTOR		
Q1202	KTC3199/GL-T	TRANSISTOR		
Q1500	KTC3199/GL-T	TRANSISTOR		
Q3100	KRA102M-T	DIGI TRANSISTOR		
Q3101	2SC3576-JVC-T	TRANSISTOR		
Q3102	2SC3576-JVC-T	TRANSISTOR		
Q3103	KTA1268/GL-T	TRANSISTOR		
Q3104	KTA1268/GL-T	TRANSISTOR		
Q3105	KTC3199/GL-T	TRANSISTOR		
Q3106	KTC3199/GL-T	TRANSISTOR		
Q3107	KTA1267/YG-T	TRANSISTOR		
Q3200	KRA102M-T	DIGI TRANSISTOR		

△ Symbol No.	Part No.	Part Name	Description	Local
Q3201	2SC3576-JVC-T	TRANSISTOR		
Q3202	2SC3576-JVC-T	TRANSISTOR		
D1100	1N4003S-T5	SI DIODE		
D1101	1SS119-041-T2	DIODE		
D1200	1SS119-041-T2	DIODE		
D1201	MTZJ5.6B-T2	Z DIODE		
△ D1300	1N5402M-20	DIODE		
△ D1301	1N5402M-20	DIODE		
△ D1302	1N5402M-20	DIODE		
△ D1303	1N5402M-20	DIODE		
△ D1400	1N4003S-T5	SI DIODE		
△ D1401	1N4003S-T5	SI DIODE		
△ D1402	1N4003S-T5	SI DIODE		
△ D1403	1N4003S-T5	SI DIODE		
D1500	1SS119-041-T2	DIODE		
D1501	MTZJ5.1B-T2	Z DIODE		
△ D3100	MTZJ9.1B-T2	Z DIODE		
D3101	1SS119-041-T2	DIODE		
D3102	1SS119-041-T2	DIODE		
D3103	1SS119-041-T2	DIODE		
△ D3104	MTZJ9.1B-T2	Z DIODE		
D3300	MTZJ11C-T2	Z DIODE		
D3301	1SS119-041-T2	DIODE		
△ D3302	MTZJ11C-T2	Z DIODE		
D3303	1SS119-041-T2	DIODE		
△ D3304	MTZJ3.6B-T2	Z DIODE		
C1100	QETM1EM-108	E CAPACITOR	1000uF 25V M	
△ C1101	QCZ9105-472	C CAPACITOR	4700pF 250V M	
C1200	QEK1C1M-107Z	E CAPACITOR	100uF 16V M	
C1300	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
C1301	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
C1302	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
C1303	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
C1400	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
C1401	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
C1402	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
C1403	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
C1500	QETN1HM-106Z	E CAPACITOR	10uF 35V	
C1600	QDGB1HK-102Y	C CAPACITOR	1000pF 50V K	
C3000	QE20570-228	E CAPACITOR	2200uF	
C3001	QE20570-228	E CAPACITOR	2200uF	
C3002	QETM1EM-228	E CAPACITOR	2200uF 25V M	
C3100	QCB1HK-101Y	C CAPACITOR	100pF 50V K	
C3101	QCB1HK-101Y	C CAPACITOR	100pF 50V K	
C3102	QTE1V06-106Z	E CAPACITOR	10uF 35V	
C3103	QTE1V06-106Z	E CAPACITOR	10uF 35V	
C3104	QEK1HM-475Z	E CAPACITOR	4.7uF 50V M	
C3105	QCB1HK-101Y	C CAPACITOR	100pF 50V K	
C3106	QENC1HM-106Z	BP E CAPACITOR	10uF 50V M	
C3107	QCSB1HJ-100Y	C CAPACITOR	10pF 50V J	
C3109	QETN1HM-476Z	E CAPACITOR	47uF 50V M	
C3110	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
C3111	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
C3112	QFLC1HJ-223Z	M CAPACITOR	0.022uF 50V J	
C3113	FQCF31HZ-223Z	D.CAPACITOR		
C3114	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C3115	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C3116	FQCF31HZ-223Z	D.CAPACITOR		
C3117	QENC1HM-106Z	BP E CAPACITOR	10uF 50V M	
C3118	QCB1HK-101Y	C CAPACITOR	100pF 50V K	
C3119	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
C3120	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
C3121	QCSB1HJ-100Y	C CAPACITOR	10pF 50V J	
C3122	QETN1HM-476Z	E CAPACITOR	47uF 50V M	
C3123	QETN1EM-226Z	E CAPACITOR	22uF 25V M	
C3124	FQCF31HZ-223Z	D.CAPACITOR		
C3125	QETN1HM-226Z	E CAPACITOR	22uF 50V M	
C3126	QETN1VM-476Z	E CAPACITOR	47uF 35V M	
C3200	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C3300	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C3301	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C3302	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C3303	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C3304	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C3306	QETN1HM-106Z	E CAPACITOR	10uF 50V M	

△ Symbol No.	Part No.	Part Name	Description	Local
R1101	QRE141J-332Y	C RESISTOR	3.3kΩ 1/4W J	
R1200	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R1201	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R1202	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R1203	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R1500	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R1501	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R1502	QRE141J-473Y	C RESISTOR	47kΩ 1/4W J	
R3100	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J	
R3101	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J	
R3102	QRE141J-203Y	C RESISTOR	20kΩ 1/4W J	
R3103	QRE141J-221Y	C RESISTOR	220Ω 1/4W J	
R3104	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R3105	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R3106	QRE141J-473Y	C RESISTOR	47kΩ 1/4W J	
R3107	QRE141J-473Y	C RESISTOR	47kΩ 1/4W J	
R3108	QRE141J-473Y	C RESISTOR	47kΩ 1/4W J	
R3109	FQRJ143J-821X	UNF C RESISTOR		
△ R3110	QRJ146J-100X	UNF C RESISTOR	10Ω 1/4W J	
R3111	QRJ146J-100X	UNF C RESISTOR	10Ω 1/4W J	
R3112	QRE141J-333Y	C RESISTOR	33kΩ 1/4W J	
R3113	QRT01DJ-R22X	MF RESISTOR	0.22Ω 1W J	
R3114	QRT01DJ-R22X	MF RESISTOR	0.22Ω 1W J	
R3115	QRJ146J-101X	UNF C RESISTOR	100Ω 1/4W J	
R3116	QRE141J-221Y	C RESISTOR	220Ω 1/4W J	
R3117	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R3118	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J	
R3119	QRE141J-221Y	C RESISTOR	220Ω 1/4W J	
R3120	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J	
R3121	QRT01DJ-R22X	MF RESISTOR	0.22Ω 1W J	
R3122	QRT01DJ-R22X	MF RESISTOR	0.22Ω 1W J	
R3123	QRJ146J-101X	UNF C RESISTOR	100Ω 1/4W J	
R3124	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R3125	QRJ146J-100X	UNF C RESISTOR	10Ω 1/4W J	
△ R3126	QRJ146J-100X	UNF C RESISTOR	10Ω 1/4W J	
R3127	QRE141J-473Y	C RESISTOR	47kΩ 1/4W J	
R3128	QRE141J-124Y	C RESISTOR	120kΩ 1/4W J	
R3129	FQRJ143J-821X	UNF C RESISTOR		
R3130	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R3131	QRE141J-104Y	C RESISTOR	100kΩ 1/4W J	
△ R3132	QRZ9006-4R7X	F.RESISTOR	4.7Ω 1/4W J	
R3133	QRE141J-823Y	C RESISTOR	82kΩ 1/4W J	
R3134	QRE141J-104Y	C RESISTOR	100kΩ 1/4W J	
R3135	QRE141J-104Y	C RESISTOR	100kΩ 1/4W J	
R3136	QRE141J-122Y	C RESISTOR	1.2kΩ 1/4W J	
R3137	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R3138	QRJ146J-100X	UNF C RESISTOR	10Ω 1/4W J	
R3150	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J	
R3200	FQRJ143J-821X	UNF C RESISTOR		
R3201	FQRJ143J-821X	UNF C RESISTOR		
R3202	FQRJ143J-821X	UNF C RESISTOR		
R3203	FQRJ143J-821X	UNF C RESISTOR		
R3204	QRE141J-221Y	C RESISTOR	220Ω 1/4W J	
R3206	QRE141J-473Y	C RESISTOR	47kΩ 1/4W J	
R3207	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R3208	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R3300	QRT01DJ-R47X	MF RESISTOR	0.47Ω 1W J	
R3301	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R3302	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R3303	QRT01DJ-R33X	MF RESISTOR	0.33Ω 1W J	
R3304	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R3305	QRE141J-183Y	C RESISTOR	18kΩ 1/4W J	
R3310	QRE141J-272Y	C RESISTOR	2.7kΩ 1/4W J	
L3100	QQLZ035-R39	COIL	0.39uH	
L3101	QQLZ035-R39	COIL	0.39uH	
△ T1100	QQT0253-002	POWER TRANSF	T 002	
△ CN100	QGA7901F2-02	CONNECTOR	W-B (1-2)	
△ CN101	QGA7901F2-02	CONNECTOR	W-B (1-2)	
CN102	QGA3901C1-05	CONNECTOR	W-B (1-5)	
CN103	QGB2510J1-14	CONNECTOR	B-B (1-14)	
CN104	QGA2501F1-04	CONNECTOR	W-B (1-4)	
CN350	QGB2510K2-14	CONNECTOR	B-B (1-14)	
CN351	QGB2510K2-12	CONNECTOR	B-B (1-12)	
CN352	QGB2510K2-09	CONNECTOR	B-B (1-9)	
EP300	QNZ0136-001Z	EARTH PLATE		
△ LF110	QQR1321-001	LINE FILTER		

△ Symbol No.	Part No.	Part Name	Description	Local
PP300	QZW0038-001	WIRE CLAMP		
△ RY110	QSK0124-001	RELAY		
TH332	QAD0015-103Z	THERMISTOR	10kΩ	
Z1100	QNG0003-001Z	FUSE CLIP		
Z1101	QNG0003-001Z	FUSE CLIP		
Z1300	QNG0003-001Z	FUSE CLIP		
Z1301	QNG0003-001Z	FUSE CLIP		
Z1302	QNG0003-001Z	FUSE CLIP		
Z1303	QNG0003-001Z	FUSE CLIP		
Z1400	QNG0003-001Z	FUSE CLIP		
Z1401	QNG0003-001Z	FUSE CLIP		

Loading switch board

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

△ Symbol No.	Part No.	Part Name	Description	Local
IC1	LB1641	IC		
IC2	LB1641	IC		
D1	MTZJ6.2A-T2	Z DIODE		
C1	QEK1AM-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	QGB1214J1-08S	CONNECTOR	B-B (1-8)	
CN3	QGB1214K1-08S	CONNECTOR	B-B (1-8)	
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		
SW7	QSW0886-002	DETECT SWITCH		
SW8	QSW0886-002	DETECT SWITCH		

CD servo board

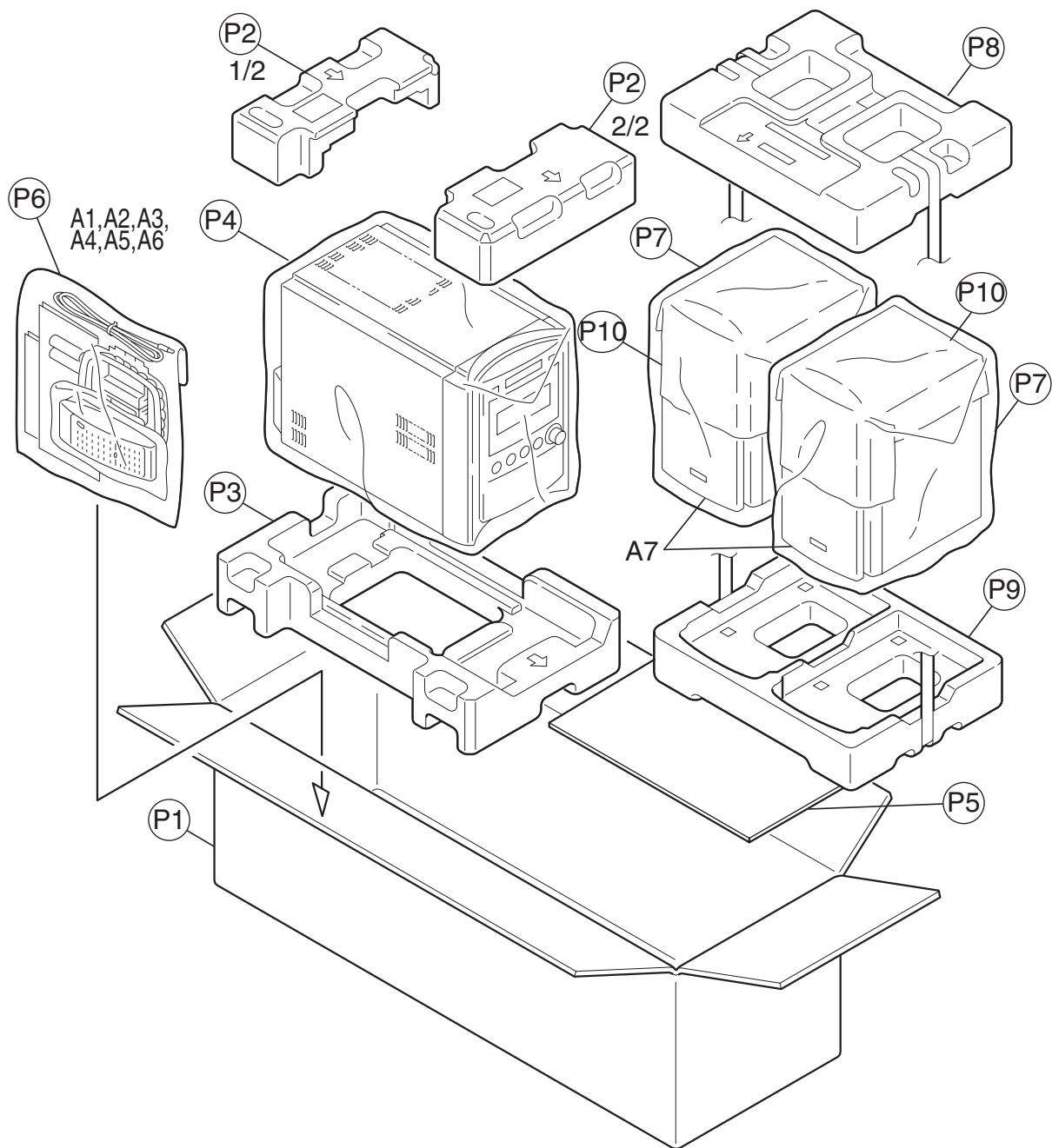
Block No. [0][4][0][0]

△ Symbol No.	Part No.	Part Name	Description	Local
IC201	BR24L08FV-W-X	IC		
IC251	MN101C61DML	IC		
IC601	AN22002A-W	IC		
IC651	MN662790RSC	IC		
IC801	AN4801SB-W	IC		
Q291	2SB1424/QR/-W	TRANSISTOR		
Q631	2SA1037AK/RS/-X	TRANSISTOR		
Q651	UN2211-X	TRANSISTOR		
Q652	UN2211-X	TRANSISTOR		
Q673	UN2211-X	TRANSISTOR		
C201	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C251	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C252	QEKJ0JM-476Z	E CAPACITOR	47uF 6.3V M	
C253	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C258	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	
C291	QEKJ0JM-476Z	E CAPACITOR	47uF 6.3V M	
C601	NCB31CK-333X	C CAPACITOR	0.033uF 16V K	
C603	NCB31EK-223X	C CAPACITOR	0.022uF 25V K	
C604	NCB31EK-223X	C CAPACITOR	0.022uF 25V K	
C605	NDC31HJ-331X	C CAPACITOR	330pF 50V J	
C606	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
C610	NCB31CK-563X	C CAPACITOR	0.056uF 16V K	

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
C611	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R605	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C612	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R606	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C614	NCB31CK-393X	C CAPACITOR	0.039uF 16V K		R607	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
C615	NCB31HK-272X	C CAPACITOR	2700pF 50V K		R608	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
C616	NCB31HK-272X	C CAPACITOR	2700pF 50V K		R611	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
C621	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R613	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
C622	QEKJ1AM-107Z	E CAPACITOR	100uF 10V M		R617	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C623	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R621	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C624	QEKJ1AM-107Z	E CAPACITOR	100uF 10V M		R622	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C631	QEKJ1CM-106Z	E CAPACITOR	10uF 16V M		R623	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C632	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R624	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C633	NCB31EK-223X	C CAPACITOR	0.022uF 25V K		R631	NRSA63J-2R2X	MG RESISTOR	2.2Ω 1/16W J	
C641	NDC31HJ-100X	C CAPACITOR	10pF 50V J		R632	NRSA63J-3R9X	MG RESISTOR	3.9Ω 1/16W J	
C642	NDC31HJ-390X	C CAPACITOR	39pF 50V J		R634	NRSA63J-3R9X	MG RESISTOR	3.9Ω 1/16W J	
C643	NDC31HJ-360X	C CAPACITOR	36pF 50V J		R635	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
C651	NDC31HJ-1R0X	C CAPACITOR	1pF 50V J		R651	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C652	NDC31HJ-1R0X	C CAPACITOR	1pF 50V J		R652	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C653	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R653	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C655	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R654	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C656	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R655	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C657	QEKJ1AM-107Z	E CAPACITOR	100uF 10V M		R656	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C658	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R657	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C661	NDC31HJ-471X	C CAPACITOR	470pF 50V J		R659	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C663	NCB31EK-223X	C CAPACITOR	0.022uF 25V K		R660	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
C664	NCB31EK-223X	C CAPACITOR	0.022uF 25V K		R661	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
C665	NCB21CK-154X	C CAPACITOR	0.15uF 16V K		R662	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J	
C667	NCB21AK-225X	C CAPACITOR	2.2uF 10V K		R663	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J	
C668	NCB31HK-102X	C CAPACITOR	1000pF 50V K		R664	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
C673	QEKJ1AM-107Z	E CAPACITOR	100uF 10V M		R665	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
C676	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R666	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
C677	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R667	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C678	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R668	NRSA63J-155X	MG RESISTOR	1.5MΩ 1/16W J	
C679	QEKJ1AM-107Z	E CAPACITOR	100uF 10V M		R669	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
C680	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R671	NRSA63J-684X	MG RESISTOR	680kΩ 1/16W J	
C801	QERF1AM-227Z	E CAPACITOR	220uF 10V M		R673	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
C802	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R675	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C805	NCB31HK-681X	C CAPACITOR	680pF 50V K		R677	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C806	NCB31CK-103X	C CAPACITOR	0.01uF 16V K		R678	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C863	NCB31HK-272X	C CAPACITOR	2700pF 50V K		R679	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C864	NCB31HK-272X	C CAPACITOR	2700pF 50V K		R682	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R241	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R683	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R243	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R685	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J	
R253	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		R694	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R255	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R697	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R256	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R698	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R258	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R699	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R259	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R801	NRSA63J-203X	MG RESISTOR	20kΩ 1/16W J	
R261	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R802	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R262	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R805	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J	
R263	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R806	NRSA63J-622X	MG RESISTOR	6.2kΩ 1/16W J	
R264	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R809	NRSA63J-433X	MG RESISTOR	43kΩ 1/16W J	
R265	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R811	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R266	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R814	NRSA63J-622X	MG RESISTOR	6.2kΩ 1/16W J	
R267	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R815	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R271	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R818	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R274	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R861	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R278	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R862	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R280	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R863	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R281	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R864	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R282	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		CN251	QGF1036F1-15	CONNECTOR	FFC/FPC (1-15)	
R283	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		CN252	QGA2001F1-02	CONNECTOR	W-B (1-2)	
R284	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		CN253	QGA2001F1-03	CONNECTOR	W-B (1-3)	
R285	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		CN601	QGF1006F2-16W	CONNECTOR	FFC/FPC (1-16)	
R286	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		CN602	QGA2001F1-06	CONNECTOR	W-B (1-6)	
R287	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		CN605	QGF1016F3-04	CONNECTOR	FFC/FPC (1-4)	
R288	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		CN651	QGF1036F1-17	CONNECTOR	FFC/FPC (1-17)	
R289	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		CN652	QGF1036F1-08	CONNECTOR	FFC/FPC (1-8)	
R290	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		K655	NQR0007-002X	FERRITE BEADS		
R291	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		K656	NQR0251-004X	FERRITE BEADS		
R292	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		K657	NQR0251-004X	FERRITE BEADS		
R293	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		K658	NQR0251-004X	FERRITE BEADS		
R297	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J		X251	QAX0684-001Z	C RESONATOR	8.38MHz	
R298	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		X651	NAX0476-001X	CRYSTAL	33.8688MHz	
R601	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J						
R602	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J						
R603	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J						
R604	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J						

Packing materials and accessories parts list

Block No. M3MM



Packing and accessories

Block No. M3MM

△ Symbol No.	Part No.	Part Name	Description	Local
A 1	GVT0103-006A	INST BOOK	RUS HUN POL CZE	
A 2	QAL0457-001	ANT.WIRE		
A 3	QAL0014-001	AM LOOP ANT		
A 4	RM-SUXB70R	REMOCON UNIT		
A 5	-----	BATTERY	(x2)	
A 6	BT-54013-5	WARRANTY CARD		
A 7	UXB70E-SPBOX	SPEAKER BOX	(x2)	
P 1	GV20233-004A	CARTON BOX		
P 2	GV10150-001A	CUSHION UPPER		

△ Symbol No.	Part No.	Part Name	Description	Local
P 3	GV10150-002A	CUSHION LOWER		
P 4	QPC06005515P	POLY BAG	60cm x 55cm	
P 5	GV40237-002A	CARTON SPACER		
P 6	QPC02503515P	POLY BAG	25cm x 35cm	
P 7	IVA802300-0015	POLY BAG	(x2)	
P 8	ITF830253-0001	TOP POLYFOAM		
P 9	ITF830253-0002	BTM POLYFOAM		
P 10	IVH802001-0042	MIRAMAT SHEET	(x2)	