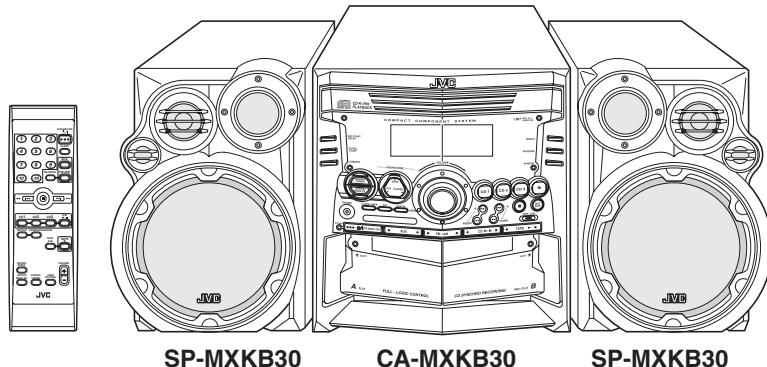


JVC

SERVICE MANUAL

COMPACT COMPONENT SYSTEM

MX-KB30



COMPACT
disc
DIGITAL AUDIO

Area Suffix

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

TABLE OF CONTENTS

| | | |
|---|-------------------------------------|------|
| 1 | PRECAUTION | 1-3 |
| 2 | SPECIFIC SERVICE INSTRUCTIONS | 1-6 |
| 3 | DISASSEMBLY | 1-7 |
| 4 | ADJUSTMENT | 1-19 |
| 5 | TROUBLESHOOTING | 1-21 |

SPECIFICATION

| | | |
|---------------------------------------|---------------------------------------|---|
| Amplifier | Output Power | 150 W per channel, min. RMS, driven into 6 Ω at 1kHz, with no more than 10% total harmonic distortion |
| | Input Sensitivity/Impedance (1 kHz) | AUX IN : 300 mV/50 kΩ |
| | Speaker terminals | 6 - 16 Ω |
| | Phones | 32 Ω - 1 kΩ |
| Cassette Deck | Frequency Response Type I (NORMAL) | 15 mW/ch output into 32 Ω 63 Hz - 12 500 Hz |
| | Wow And Flutter | 0.15% (WRMS) |
| CD Player | CD Capacity | 3 CDs |
| | Dynamic Range | 85 dB |
| | Signal-To-Noise Ratio | 85 dB |
| | Wow And Flutter | Unmeasurable |
| Tuner | FM Tuner | Tuning Range : 87.5 MHz - 108.0 MHz |
| | AM Tuner | Tuning Range : 530 kHz - 1 710 kHz |
| Unit | Dimensions | 267 mm × 305 mm × 433 mm (W/H/D) (10-9/16" × 12-1/16" × 17-1/16") |
| | Mass | Approx. 8.7 kg (19.2 lbs) |
| Speaker Specifications (each unit) | SP-MXKB30 | 3-way bass-reflex type |
| | Type | Woofer: 16 cm (6-5/16") cone × 1 |
| | Speaker Unit | Mid: 5cm (2") cone × 1 |
| | | Tweeter: 2 cm (13/16") dome × 1 |
| | Power Handling Capacity | 150 W |
| | Impedance | 6 Ω |
| | Frequency Range | 45 Hz - 22,000 Hz |
| | Sound pressure level | 87 dB/W·m |
| | Dimensions | 244 mm × 321 mm × 258 mm (W/H/D) (9-5/8" × 12-11/16" × 10-3/16") |
| | Mass | Approx. 3.6 kg (8.0 lbs) |
| Power Specifications | Power Requirements | AC 120 V , 60 Hz |
| | Power Consumption | 135 W (power on mode) |
| | | 18 W (in Standby mode) |

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.).

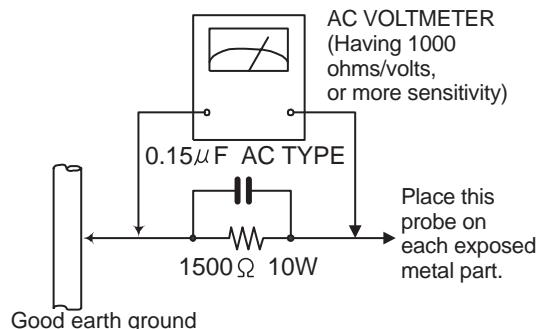
- Alternate check method

Plug the AC line cord directly into the AC outlet. Use an AC voltmeter having, 1,000Ω per volt or more sensitivity in the following manner. Connect a 1,500Ω 10W resistor paralleled by a 0.15μF AC-type capacitor between an exposed metal part and a known good earth ground.

Measure the AC voltage across the resistor with the AC

voltmeter.

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



1.2 Warning

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

1.3 Caution

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

Therefore, pay attention to such burrs in the case of performing 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 Preventing static electricity

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

1.5.1 Grounding to prevent damage by static electricity

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

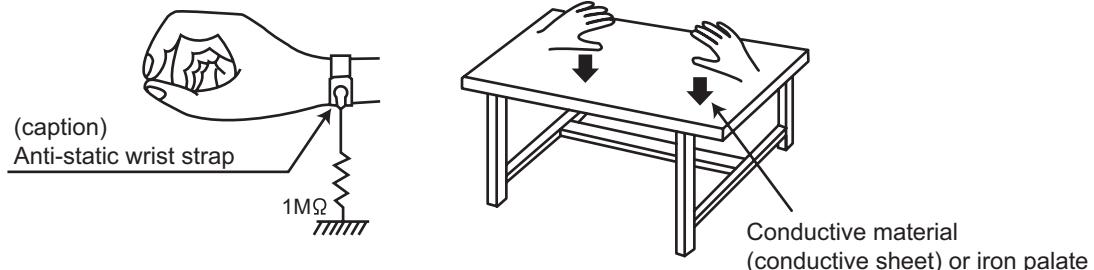
Be careful to use proper grounding in the area where repairs are being performed.

(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.

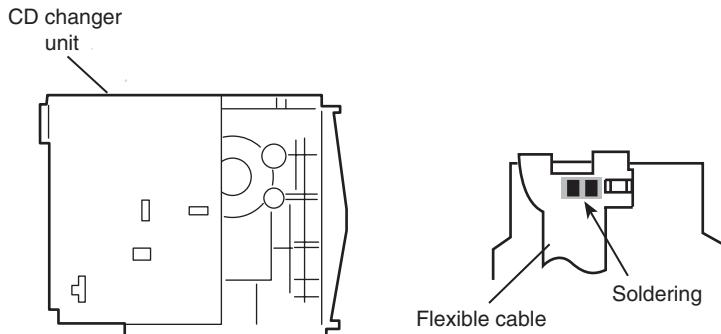
1.6 Handling the traverse unit (optical pickup)

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

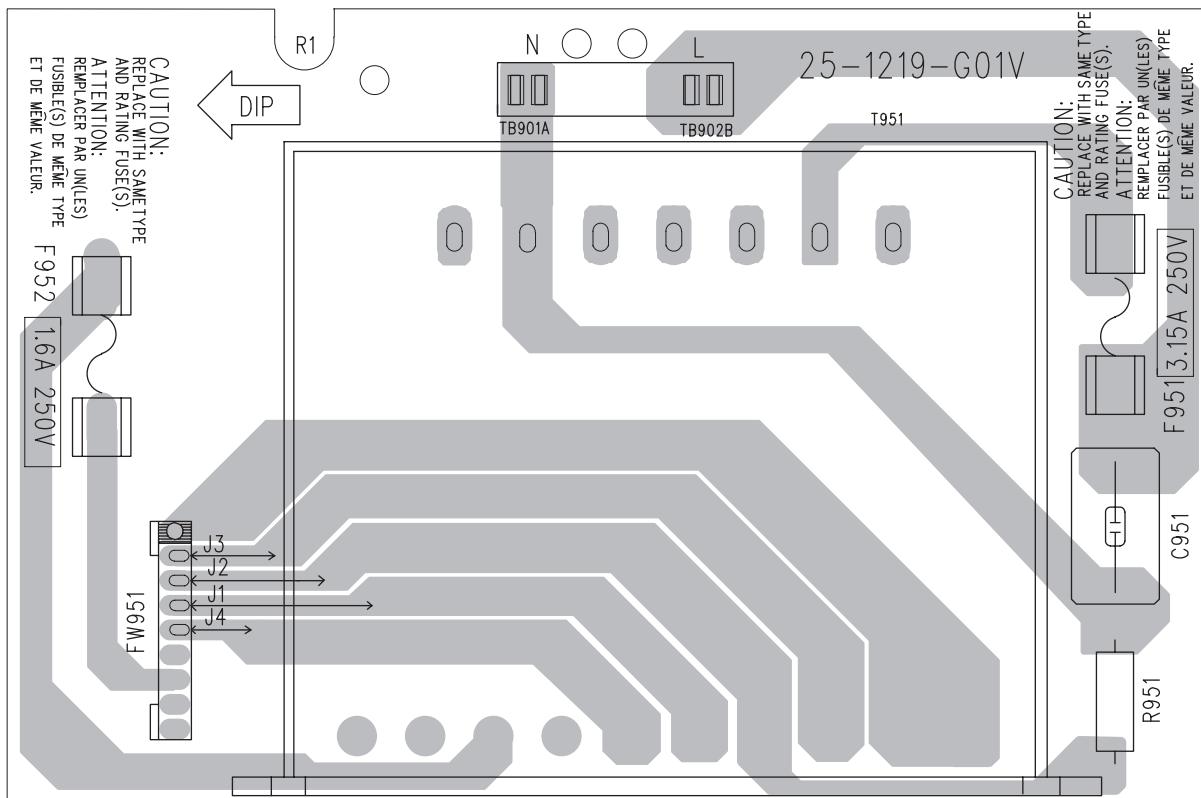
1.7 Attention when traverse unit is decomposed

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

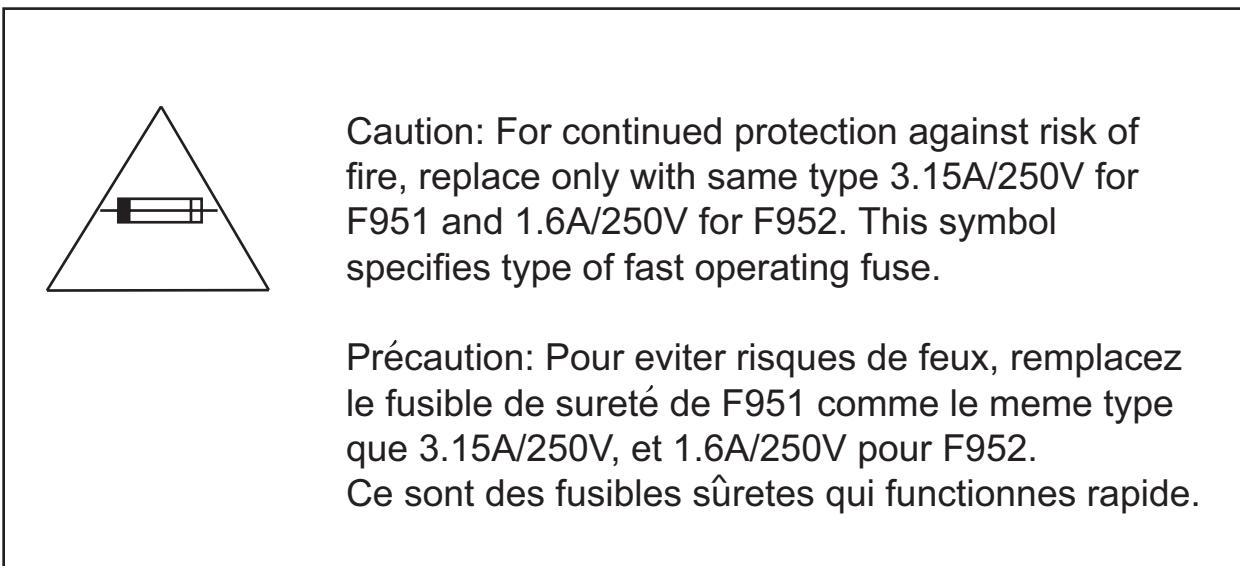
- Apply solder to the short land sections before the flexible wire is disconnected from the connector on the CD servo board. (If the flexible wire is disconnected without applying solder, the CD pickup may be destroyed by static electricity.)
- In the assembly, be sure to remove solder from the short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



1.8 Importance administering point on the safety



For USA and Canada / pour États - Unis d' Amérique et Canada



SECTION 2

SPECIFIC SERVICE INSTRUCTIONS

This service manual does not describe SPECIFIC SERVICE INSTRUCTIONS.

SECTION 3 DISASSEMBLY

3.1 Main body

3.1.1 Replacing the fuses (See Fig.1)

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

(1) Replace the fuses inside.

Caution:

Be sure to use fuses with the specified ratings.

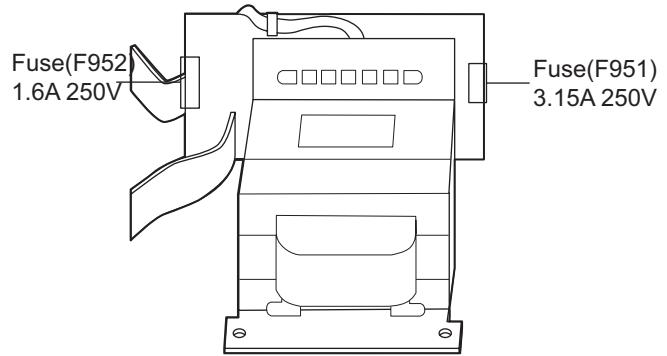


Fig.1

3.1.2 Replacing the power IC (See Fig.2)

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

(1) Remove the two screws **A** from the heat sink between the power IC.

(2) Remove the solder fixing the power IC.

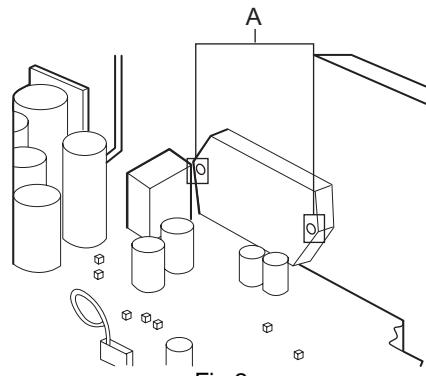


Fig.2

3.1.3 Replacing the heat sink cover (See Fig.3)

(1) Remove four screws **B** from the rear panel.

(2) Pull the heat sink cover outward.

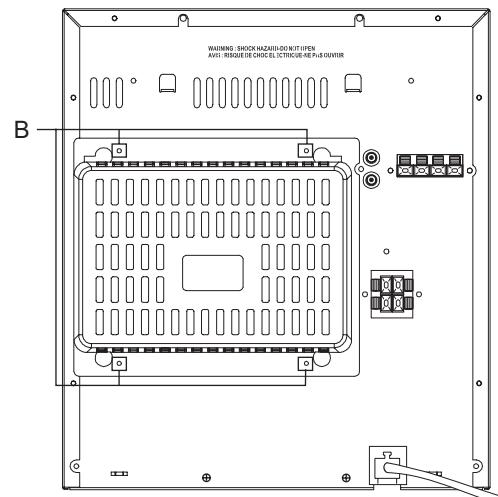


Fig.3

3.1.4 Removing the top cover

(See Fig.4 and 5)

- (1) Remove six screws **C** that retain the top cover from the panel rear of the body.
- (2) Remove six screws **D** that retain the top cover from the two sides of the body.
- (3) Remove the top cover from the body by lifting it toward the rear.

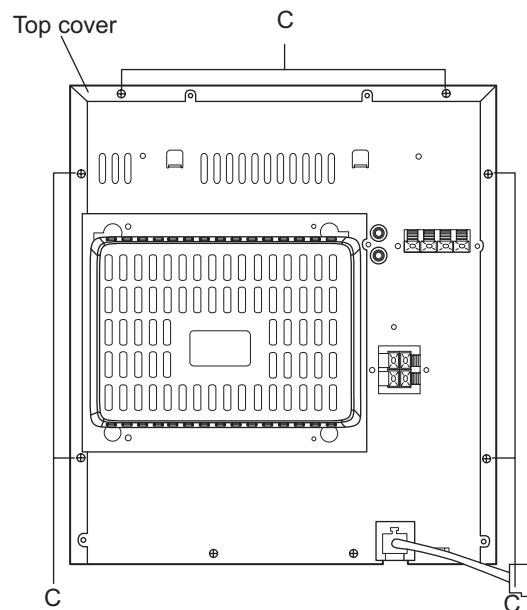


Fig.4

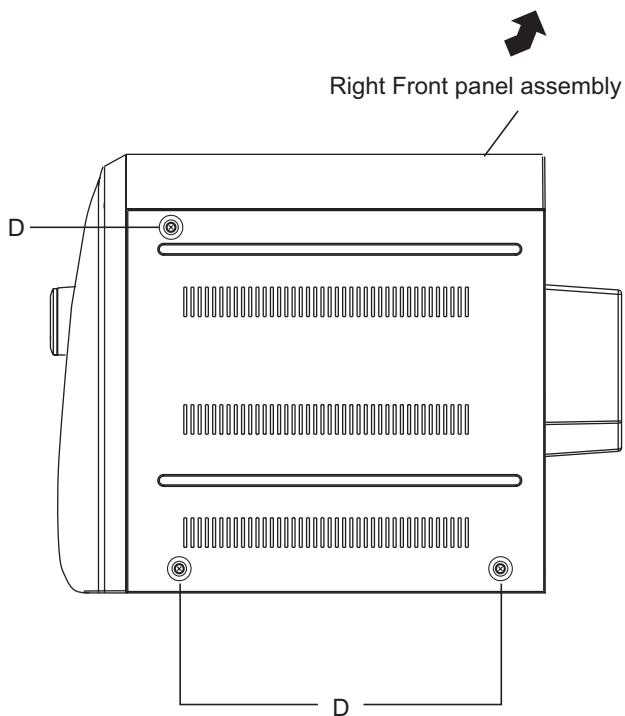
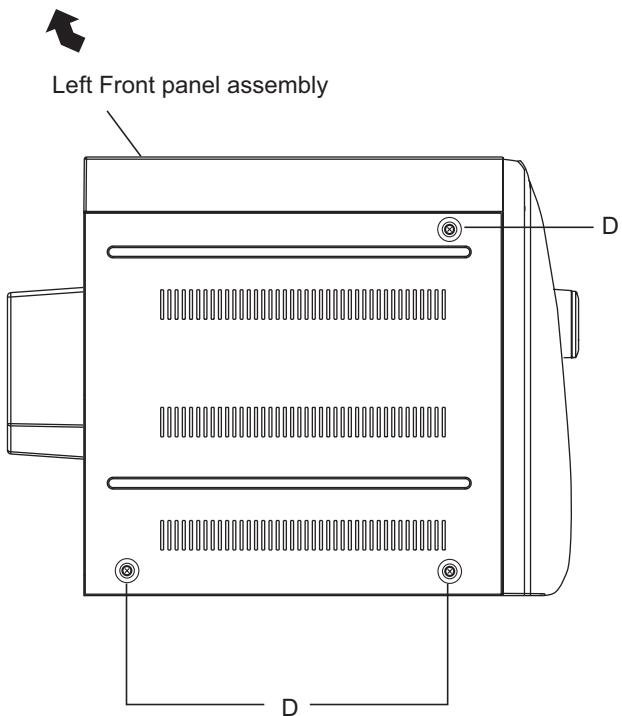


Fig.5



3.1.5 Removing the CD changer unit

(See Fig.6 to 9)

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

Caution:

Although the CD mechanism unit can be removed without removing the CD tray panel, it is still recommended to remove it in order to prevent damage.

- From the front panel side of this set, push in the sections marked with arrows and pull out the CD tray toward the front.
- Remove the CD tray panel by pushing both of its extremities upward in the direction of the arrows.
- Push the CD tray deep into the set.

(1) Disconnect the cord wires from the CD board [CN703](#) and [CN203](#).

(2) From the rear of the set, remove two screws **E** three screws **F** and four screws **G** on the front panel left and right side.

(3) Handle the CD changer unit rear, take out the unit.

CD tray panel

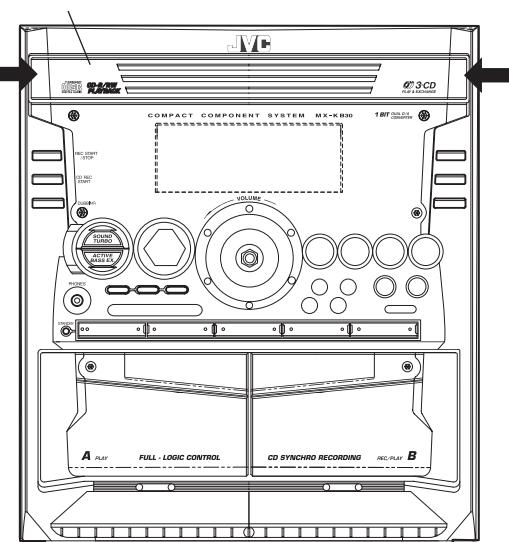


Fig.6

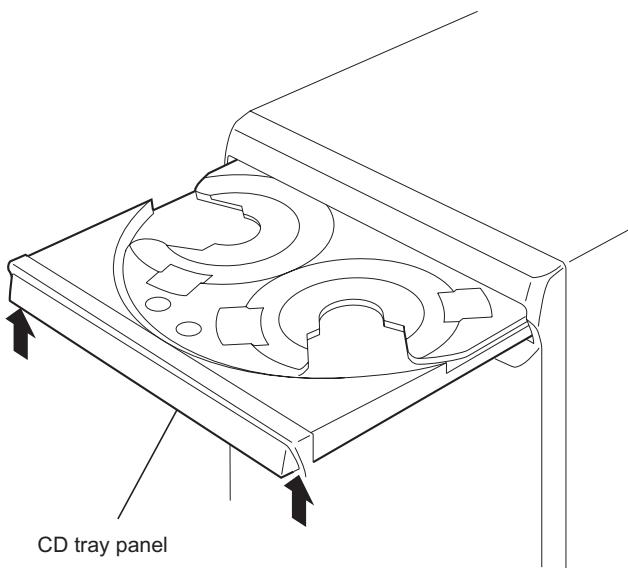


Fig.7

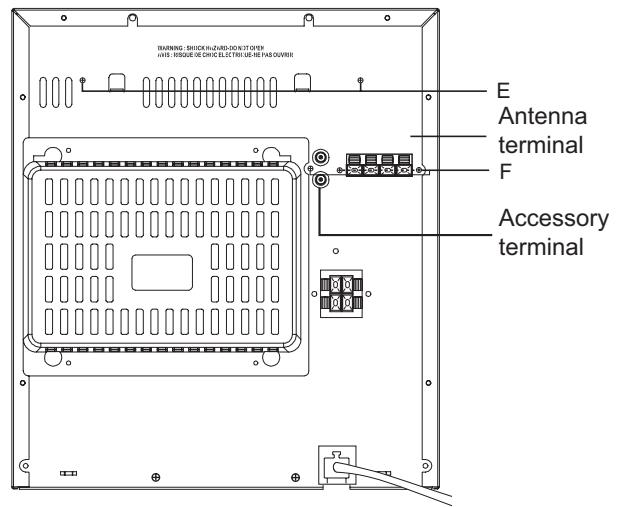


Fig.8

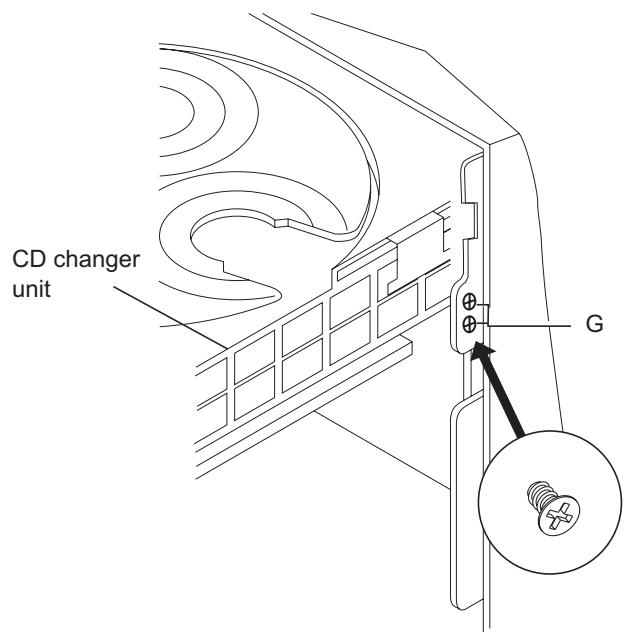


Fig.9

3.1.6 Removing the front panel assembly

(See Fig.10 to 11)

- Prior to performing the following procedures, remove the top cover.
- Also remove the CD changer unit.
 - (1) Disconnect the parallel wire and the cord wire from the connectors CN701, CN101 on the power amp. board.
 - (2) Remove one screws **H** retaining the front panel assembly onto the bottom of the body.
 - (3) Remove two screws **I** on the left and right side of the set retaining the panel front from the bottom and then remove then GND lug **b** that comes from the power amp and supply PCB.
 - (4) Disengage the claws **c** on both sides of the front panel assembly and then remove the assembly.

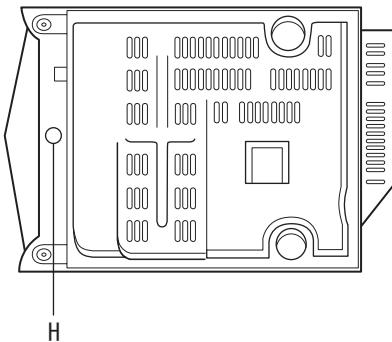


Fig.10

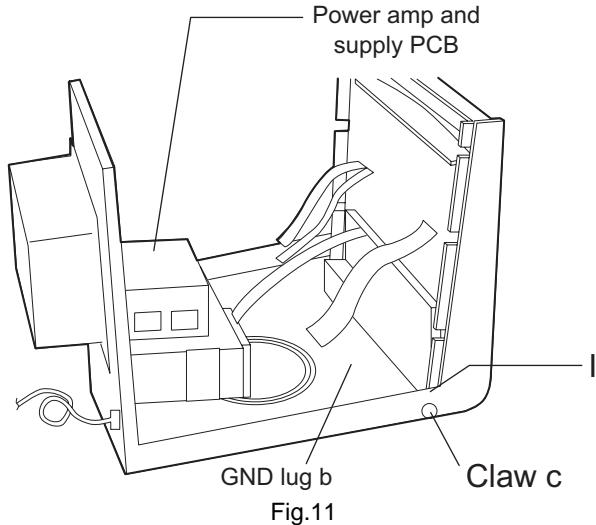


Fig.11

3.1.7 Removing the CD board

(See Fig.12 to 13)

- Prior to performing the following procedures, remove the top cover.
- Also remove the CD changer unit.

- (1) Disconnect the wires from [CN603A](#), [CN603B](#) and [CN604](#) on the CD board, which is located on the back side of the CD changer unit.
- (2) The four screws **J** that retain the CD board should be removed.
- (3) Remove the CD board by pulling it toward the side where the [CN601](#) is located.
- (4) Using solder, short the CD pickup to connect to short round.

Caution:

After re-connecting the wires, be sure to remove the shorting solder from the GND connection.

- (5) Disconnect the card wire from the connector [CN601](#) on the main board and then remove the main board.

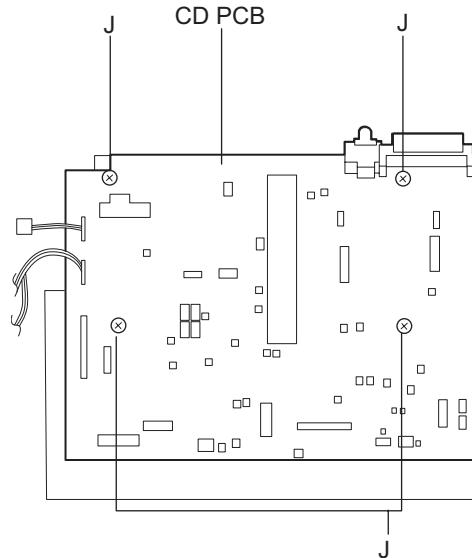
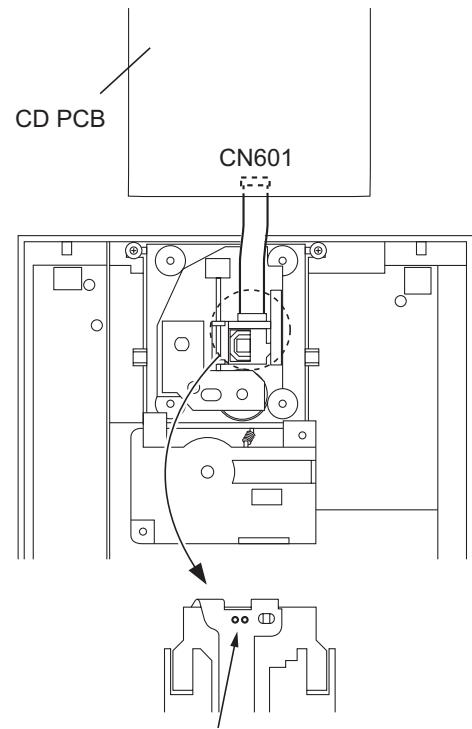


Fig.12



Short round
Fig.13

3.1.8 Removing the CD changer mechanism assembly

(See Fig.14 to 15)

- Prior to performing the following procedures, remove the top cover.
- Also remove the CD changer unit.

(1) Turn the CD changer mechanism cover base and remove the screws **d** connecting the unit to the CD changer mechanism assembly.

(2) Removing four screws **e** retaining the CD mechanism holder assembly.

Caution:

When replacing the CD changer mechanism assembly, be sure not to mistake the positions of the silver color and copper color spring.

CD changer unit

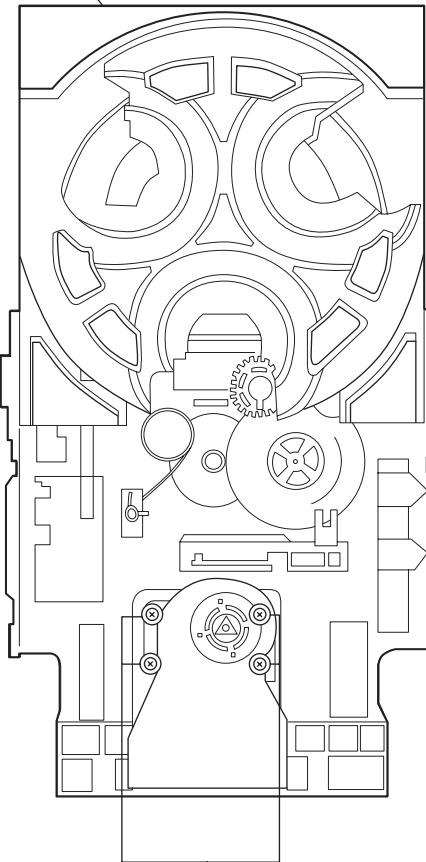


Fig.14

e (Silver color)

e (copper color)

CD changer mechanism assembly

e (Silver color)
Fig.15

e (copper color)

e (copper color)

3.1.9 Removing the CD pickup (See Fig.16)

- Prior to performing the following procedures, remove the top cover.
- Also remove the CD changer unit.
- Also remove the CD changer mechanism.

(1) Widen the section **f**.

(2) While keeping the section **f** wide open, push the section **g** in the direction of the arrow to remove the shaft, and then remove the CD pickup.

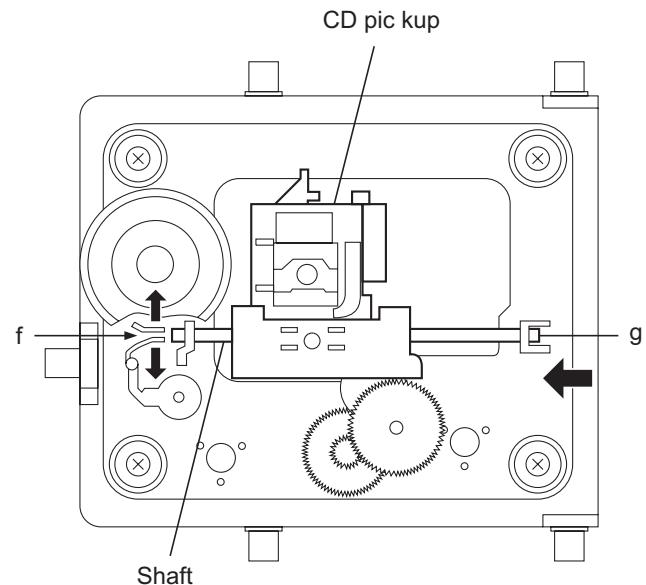


Fig.16

3.1.10 Replacing the loading motor and rotor belt of the CD changer (See Fig.17)

- Prior to performing the following procedures, remove the top cover.
- Also open the CD changer tray.

(1) Remove the two screws **L** retaining the CD changer tray loading motor.

(2) Remove the two screws **M** retaining the gear plate and take it out, after remove the rotor belt from the pulley.

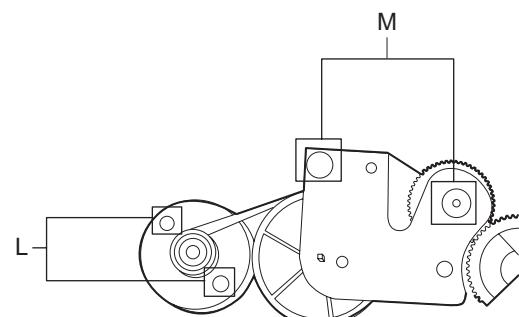


Fig.17

3.1.11 Replacing the CD turn table and removing the motor (See Fig. 18)

- Prior to performing the following procedures, remove the top cover.
- Also remove the CD changer unit.

(1) Remove the one screws **N** retaining the CD (Turn table).

(2) Remove the two screws **O** retaining the stopper brackets on both sides of the CD changer unit.

(3) Remove the stopper brackets from both sides of the CD changer unit.

(4) Pull out the CD tray from the CD changer unit, all the way and lift the tray (upward) to remove.

(5) Remove the gear and after push out the tray motor locker and pull out the tray motor from the CD tray.

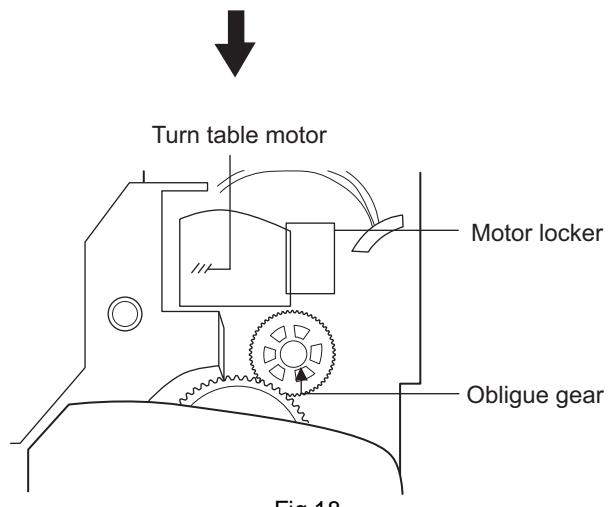


Fig.18

3.1.12 Removing the cassette deck mechanism

(See Fig.19)

- Prior to performing the following procedures, remove the top cover.
- Also remove the CD changer unit.
- Also remove the front panel assembly.

(1) Remove six screws **Z** retaining the cassette deck mechanism.

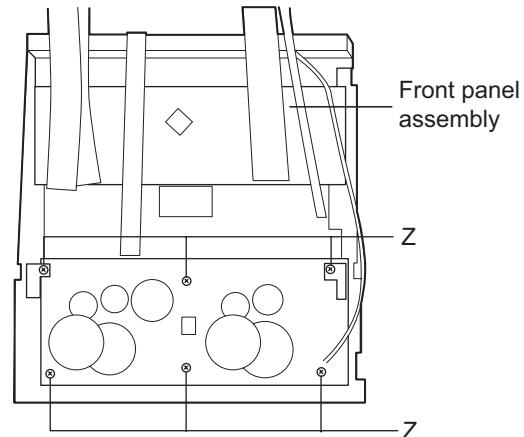


Fig.19

3.1.13 Removing the earphone jack board

(See Fig.20)

- Prior to performing the following procedures, remove the top cover.
- Also remove the CD changer unit.
- Also remove the front panel assembly.

(1) Remove the screw with the washer, **P** that retains the earphone jack PCB.

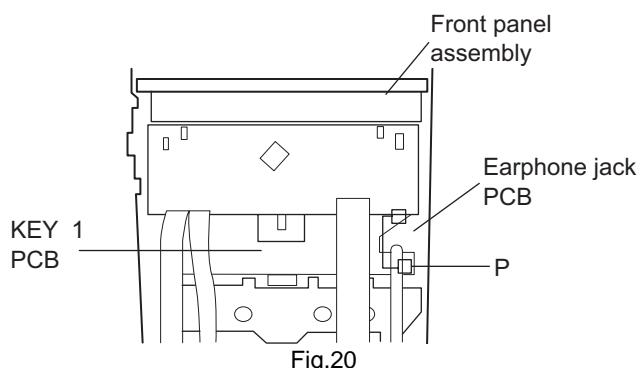


Fig.20

3.1.14 Removing the control/FL board

(See Fig.21)

- Prior to performing the following procedures, remove the top cover.
- Also remove the CD changer unit.
- Also remove the front panel assembly.

(1) Remove six screws **Q** that retain the control/FL PCB from the back of the front panel unit.

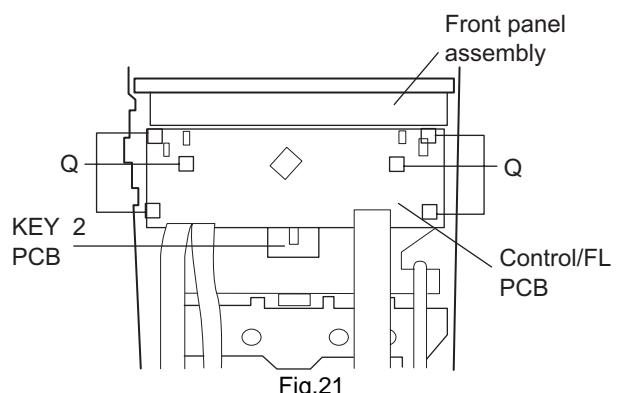


Fig.21

3.1.15 Removing the switch board and sound mode and CD function switch board

(See Fig.20 to 23)

- Prior to performing the following procedures, remove the top cover.
- Also remove the CD changer unit.
- Also remove the front panel assembly.
- (1) Pull out the volume control knob from the front of the front panel assembly.(Fig.22)
- (2) Remove six screws **Q** retaining the front panel assembly.(Fig.21)
- (3) Remove the control/FL board.
- (4) Remove eleven screws **R** retaining the switch (key 1) board.(Fig.20)
- (5) Remove two screws **S** retaining the sound mode and CD function (key 2) switch board.(Fig.21)

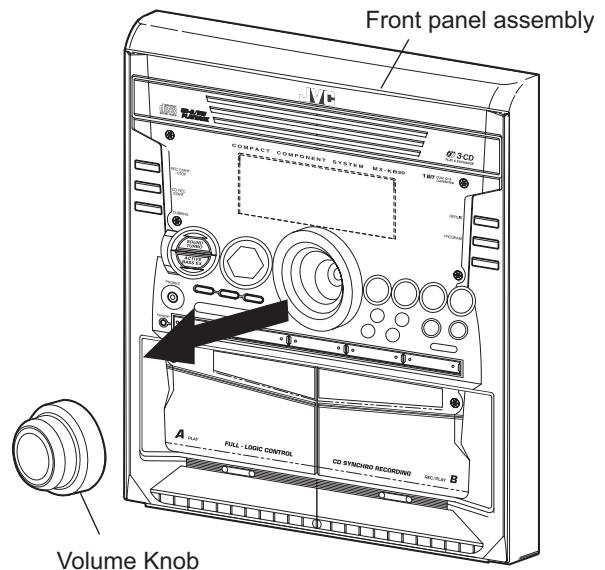


Fig.22

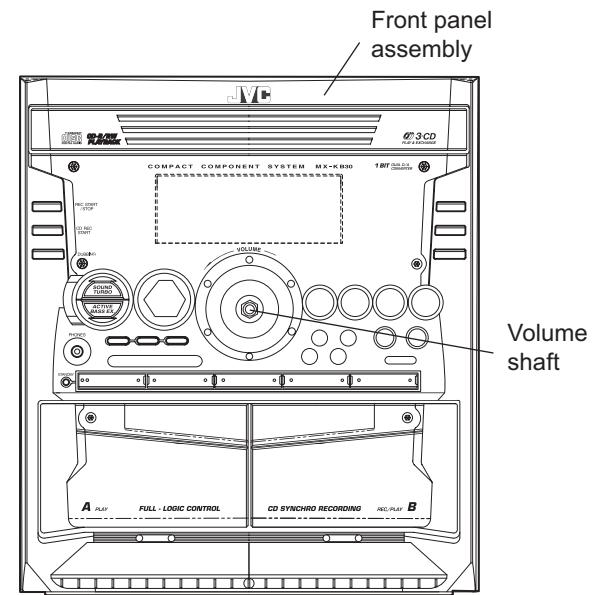


Fig.23

3.1.16 Removing the leaf switches of the cassette deck mechanism

(See Fig. 19 and 26)

- Prior to performing the following procedures, remove the top cover and both sides board.
- Also remove the CD changer unit.
- Also remove the front panel assembly.
- (1) Remove the six screws **Z** that retain the cassette deck mechanism. (Fig.19)
- (2) Remove the cassette deck mechanism.
- (3) Turn the cassette deck mechanism upside down.
- (4) Remove the solder from around the leaf switches.
- (5) Pull out the leaf switches from the front side of the cassette deck mechanism.

3.1.17 Removing the cassette deck main motor, and replacing the main belts

(See Fig.19, 24 and 25)

- Prior to performing the following procedures, remove the top cover and both sides board.
- Also remove the CD changer unit.
- Also remove the front panel assembly.
- (1) Remove six screws **Z** retaining the cassette deck mechanism. (Fig.19)
- (2) Remove the cassette deck mechanism.
- (3) Remove two screws **t** retaining the main motor from the front side of the cassette deck.

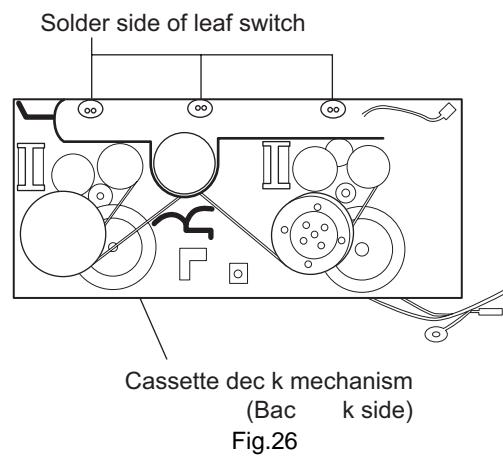
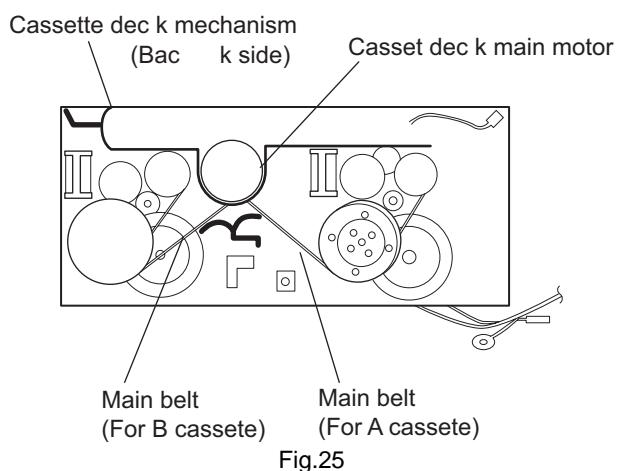
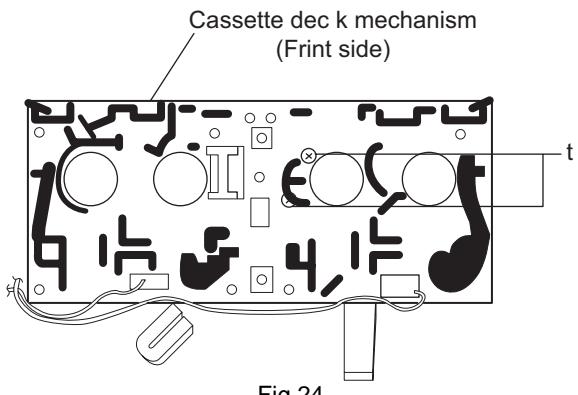
Caution:

After attaching the main motor, check the orientation of the motor and the polarity of the wires.

- (4) From the backside of the cassette deck, remove the main motor and two main belts.

Caution:

The lengths of the cassette A(playback only) and cassette B(record/play) main belts are different. When attaching the main belts, use the longer belt for cassette A.



3.1.18 Removing the cassette deck heads

(See Fig. 19 and 27)

- Prior to performing the following procedures, remove the top cover and both sides board.
- Also remove the CD changer unit.
- Also remove the front panel assembly.

(1) Remove six screws **Z** that retain the cassette deck mechanism. (Fig.19)

(2) Remove the cassette deck mechanism and place it so that the front side faces up.

(3) Remove the solder from the bottom side of the head terminal and disconnect the wire.

(4) Remove screw **U** that retains the head.

(5) Remove screw **V** that retains the head.

(6) Hold the head and slide it in the direction of the arrow to remove it.

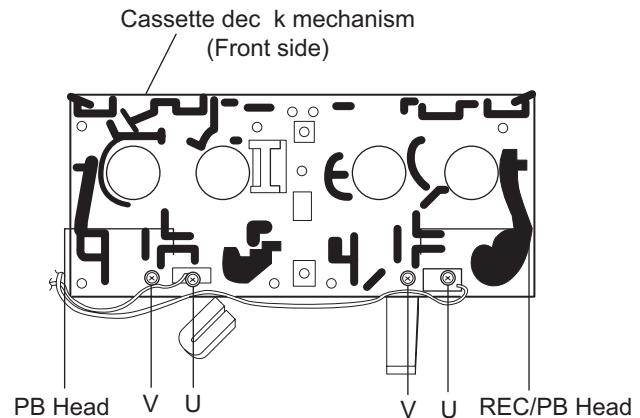


Fig.27

3.1.19 Removing the 3-pin regulator and bridge diode

(See [Q904](#), [Q907](#), [D901](#), [D914](#) and Fig.28)

- Prior to performing the following procedures, remove the top cover and both sides board.

(1) Remove two screws **A** that connect the heat sink.

(2) Remove two screws **W** that connect the heat sink.

(3) Remove the solder fixing the the 3-pin terminal regulator [Q904](#), [Q907](#).

(4) Remove the solder fixing the 4-pin bridge diode ([D901](#), [D914](#)).

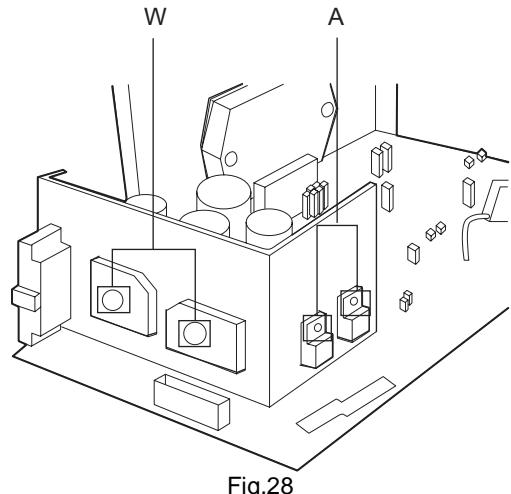


Fig.28

3.1.20 Removing the power amp and supply board and the power trans board

(See Fig. 3, 29 to 31)

- Prior to performing the following procedures, remove the top cover and CD changer unit.
- (1) Remove four screws **B** from the rear panel. (Fig.3)
- (2) Pull the heat sink cover outward.
- (3) Remove four screws **AA** from the rear panel between the heat sink holder.
- (4) Remove two screws **X** that retain the speaker terminals and AUX terminal.
- (5) Remove screws **YY** that retains the rear panel, and then remove the rear panel.
- (6) Disconnect the parallel wires from the connectors **FW951** on the power trans board.
- (7) Remove the clamp of **AC** power cord from the chassis.
- (8) Remove four screws **AB** that retain the power trans board and then remove the assembly.

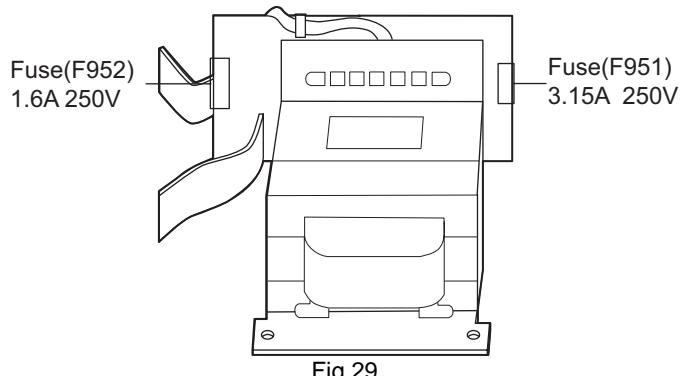


Fig.29

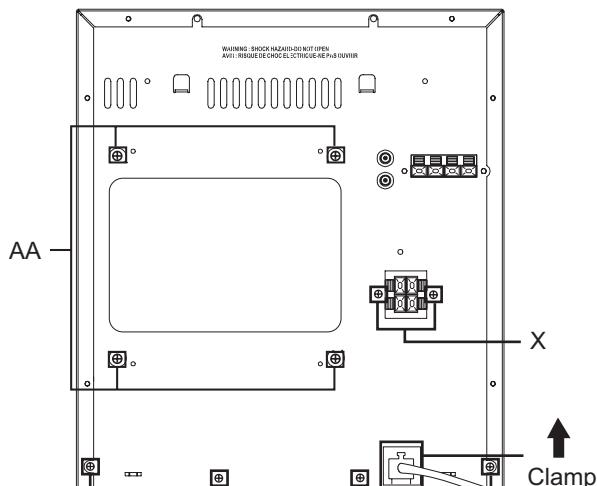


Fig.30

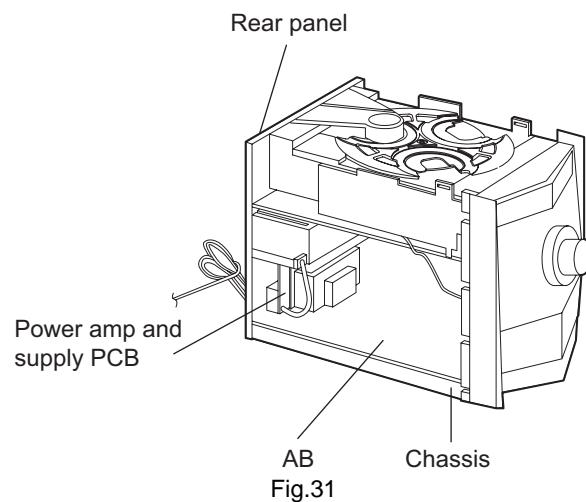


Fig.31

SECTION 4 ADJUSTMENT

4.1 Measurement instruments required for adjustment

- (1) Low frequency oscillator
This oscillator should have a capacity to output 0dB to 600ohm at an oscillation frequency of 50Hz-20kHz.
- (2) Attenuator impedance : 600Ω
- (3) Electronic voltmeter
- (4) Frequency counter
- (5) Wow flutter meter
- (6) Test tape
VT712 : For Tape speed and wow flutter (3kHz)
VT703 : For Head angle (10kHz)
- (7) Blank tape
TAPE I : AC-225
TAPE II : AC-514
- (8) Torque gauge
For play and back tension forward : TW2111A
Reverse : TW2121A
Fast Forward and Rewind : TW2231A
- (9) Test disc : CTS-1000(12cm),GRG-1211(8cm)
- (10) Jitter meter

4.2 Measurement conditions

Power supply voltage : AC 120V (60Hz)
Measurement output terminal
: Speaker out
: TP101(Measuring for TUNER/DECK/CD)
: Dummy load 6Ω

4.3 Radio input signal

AM modulation frequency : 400Hz
Modulation factor : 30%
FM modulation frequency : 1kHz
Frequency displacement : 22.5kHz

4.4 Frequency Range

AM : 530kHz~1710kHz
FM : 87.5MHz~108MHz

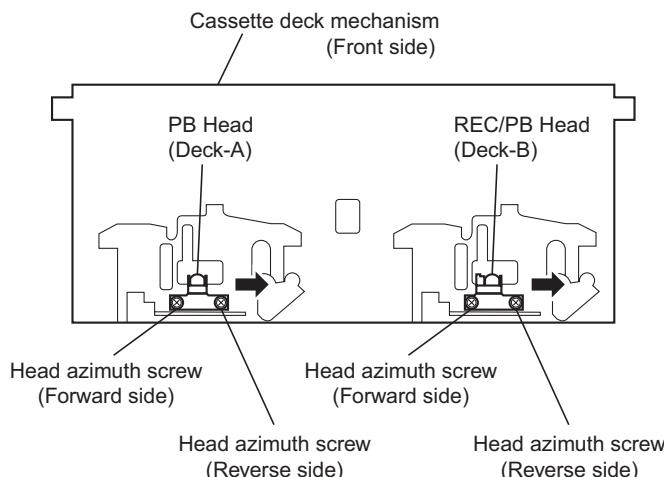
4.5 Standard measurement positions of volume and switch

Power : Standby (Light STANDBY Indicator)
Sound Turbo,A,BASS EX : OFF
Sound mode : OFF
Main VOL. : 0 Minimum
Travers mecha set position : Disc 1

4.6 Precautions for measurement

- (1) Apply 30pF and 33k<ohm> to the IF sweeper output side and 0.082<micro>F and 100kohm in series to the sweeper input side.
- (2) The IF sweeper output level should be made as low as possible within the adjustable range.
- (3) Since the IF sweeper is a fixed device, there is no need to adjust this sweeper.
- (4) Since a ceramic oscillator is used, there is no need to perform any MPX adjustment.
- (5) Since a fixed coil is used, there is no need to adjust the FM tracking.
- (6) The input and output earth systems are separated.
In case of simultaneously measuring the voltage in both of the input and output systems with an electronic voltmeter for two channels, therefore, the earth should be connected particularly.
- (7) In the case of BTL connection amplifier, the minus terminal of speaker is not for earthing. Therefore, be sure not to connect any other earth terminal to this terminal. This system is of an OTL system.

4.7 Arrangement of adjusting positions



4.8 Tape recorder section

| Items | Measurement conditions | Measurement method | Standard values | Adjusting positions |
|------------------------------------|---|---|-----------------|--|
| Cassette Head Azimuth Alignments | Test tape : VT703 (10kHz) Measurement output terminal : Left and Right speaker output (6-ohm loaded) or Headphone Output (32-ohm loaded) | 1. Playback the test tape VT703 (10KHz) or equivalent. 2. Adjust the head azimuth screw to obtain maximum output and both output of L / R is in 3dB. 3. Put on the screw lock paint after alignments. | Maximum output | Adjust the head azimuth screw only when the head has been changed. |
| Recording Bias Frequency Alignment | Test tape : TYPE I AC-514 Measurement output terminal : Erase head terminal (CN308 8-Pin) | 1. Insert the recording tape in deck-B. 2. Starting the recording. 3. Adjust the oscillation frequency to 80KHz+/-3KHz by core of Oscillation coil of L301. | 80kHz+/-3kHz | Use the High-Impedance Probe or Frequency counter input. |

4.9 Tuner section

| Items | Measurement conditions | Measurement method | Standard values | Adjusting positions |
|------------------------|--|---|---|---|
| AM Tracking Alignments | Input signal : 530kHz 600kHz Adjustment point : Antenna coil (L2) | 1. Set the Signal Generator signal to 530KHz the feed to Loop Antenna. 2. Receiving the signal and the adjust the OSC coil (L2) obtain the V.T is 1.40V +/-0.05V. 3. Change the receiving frequency to 600KHz (603KHz). 4. Adjust the Antenna coil (L2) obtain maximum sensitivity. (Adjust the SSG output to out of AGC range.) | V.T : 1.40V +/-0.05V Maximum sensitivity | Adjust the OSC coil only when the AM coil block has been changed. |
| AM IFT Alignments | Input signal : 530kHz Adjustment point : IFT (T1) | 1. Set the receiving frequency to 530KHz. 2. Feed the 450KHz signal to AM antenna input. 3. Adjust the IFT Block T1 obtain to maximum output. (Adjust the SSG output to out of AGC range.) | Maximum output | Adjust the IFT only when the IFT block has been changed. |

Note: The adjustment of CD section is not required.

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.MB157)



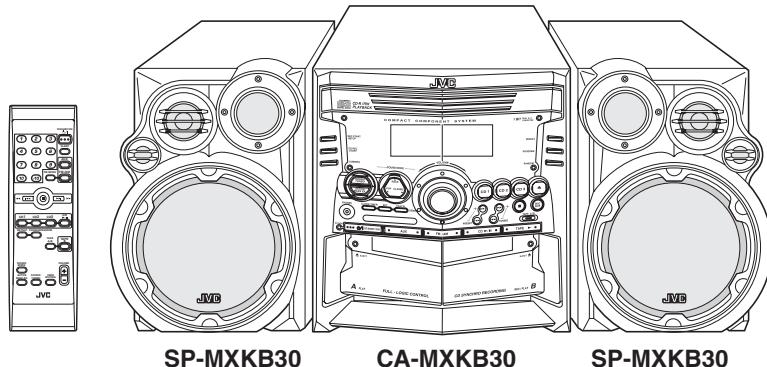
Printed in Japan
WPC

JVC

SERVICE MANUAL

COMPACT COMPONENT SYSTEM

MX-KB30



COMPACT
disc
DIGITAL AUDIO

Area Suffix

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

TABLE OF CONTENTS

| | | |
|---|-------------------------------------|------|
| 1 | PRECAUTION | 1-3 |
| 2 | SPECIFIC SERVICE INSTRUCTIONS | 1-6 |
| 3 | DISASSEMBLY | 1-7 |
| 4 | ADJUSTMENT | 1-19 |
| 5 | TROUBLESHOOTING | 1-21 |

SPECIFICATION

| | | |
|---------------------------------------|---------------------------------------|---|
| Amplifier | Output Power | 150 W per channel, min. RMS, driven into 6 Ω at 1kHz, with no more than 10% total harmonic distortion |
| | Input Sensitivity/Impedance (1 kHz) | AUX IN : 300 mV/50 kΩ |
| | Speaker terminals | 6 - 16 Ω |
| | Phones | 32 Ω - 1 kΩ |
| Cassette Deck | Frequency Response Type I (NORMAL) | 15 mW/ch output into 32 Ω 63 Hz - 12 500 Hz |
| | Wow And Flutter | 0.15% (WRMS) |
| CD Player | CD Capacity | 3 CDs |
| | Dynamic Range | 85 dB |
| | Signal-To-Noise Ratio | 85 dB |
| | Wow And Flutter | Unmeasurable |
| Tuner | FM Tuner | Tuning Range : 87.5 MHz - 108.0 MHz |
| | AM Tuner | Tuning Range : 530 kHz - 1 710 kHz |
| Unit | Dimensions | 267 mm × 305 mm × 433 mm (W/H/D) (10-9/16" × 12-1/16" × 17-1/16") |
| | Mass | Approx. 8.7 kg (19.2 lbs) |
| Speaker Specifications (each unit) | SP-MXKB30 | 3-way bass-reflex type |
| | Type | Woofer: 16 cm (6-5/16") cone × 1 |
| | Speaker Unit | Mid: 5cm (2") cone × 1 |
| | | Tweeter: 2 cm (13/16") dome × 1 |
| | Power Handling Capacity | 150 W |
| | Impedance | 6 Ω |
| | Frequency Range | 45 Hz - 22,000 Hz |
| | Sound pressure level | 87 dB/W·m |
| | Dimensions | 244 mm × 321 mm × 258 mm (W/H/D) (9-5/8" × 12-11/16" × 10-3/16") |
| | Mass | Approx. 3.6 kg (8.0 lbs) |
| Power Specifications | Power Requirements | AC 120 V , 60 Hz |
| | Power Consumption | 135 W (power on mode) |
| | | 18 W (in Standby mode) |

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.).

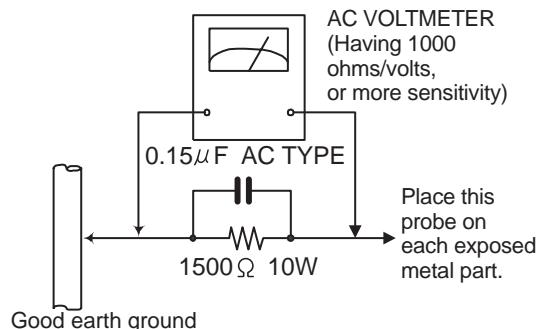
- Alternate check method

Plug the AC line cord directly into the AC outlet. Use an AC voltmeter having, 1,000Ω per volt or more sensitivity in the following manner. Connect a 1,500Ω 10W resistor paralleled by a 0.15μF AC-type capacitor between an exposed metal part and a known good earth ground.

Measure the AC voltage across the resistor with the AC

voltmeter.

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



1.2 Warning

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

1.3 Caution

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

Therefore, pay attention to such burrs in the case of performing 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 Preventing static electricity

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

1.5.1 Grounding to prevent damage by static electricity

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

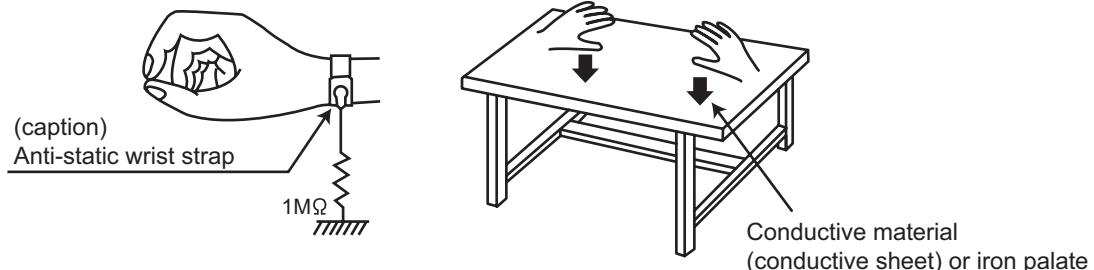
Be careful to use proper grounding in the area where repairs are being performed.

(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.

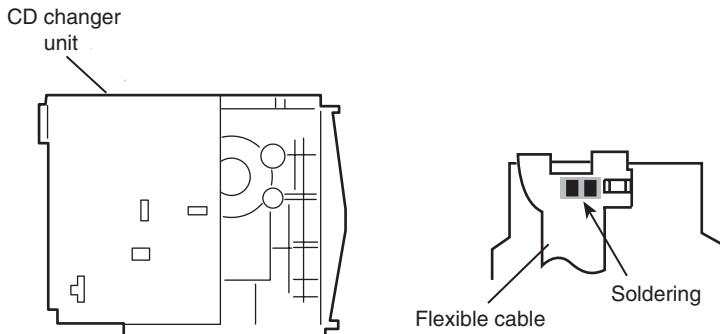
1.6 Handling the traverse unit (optical pickup)

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

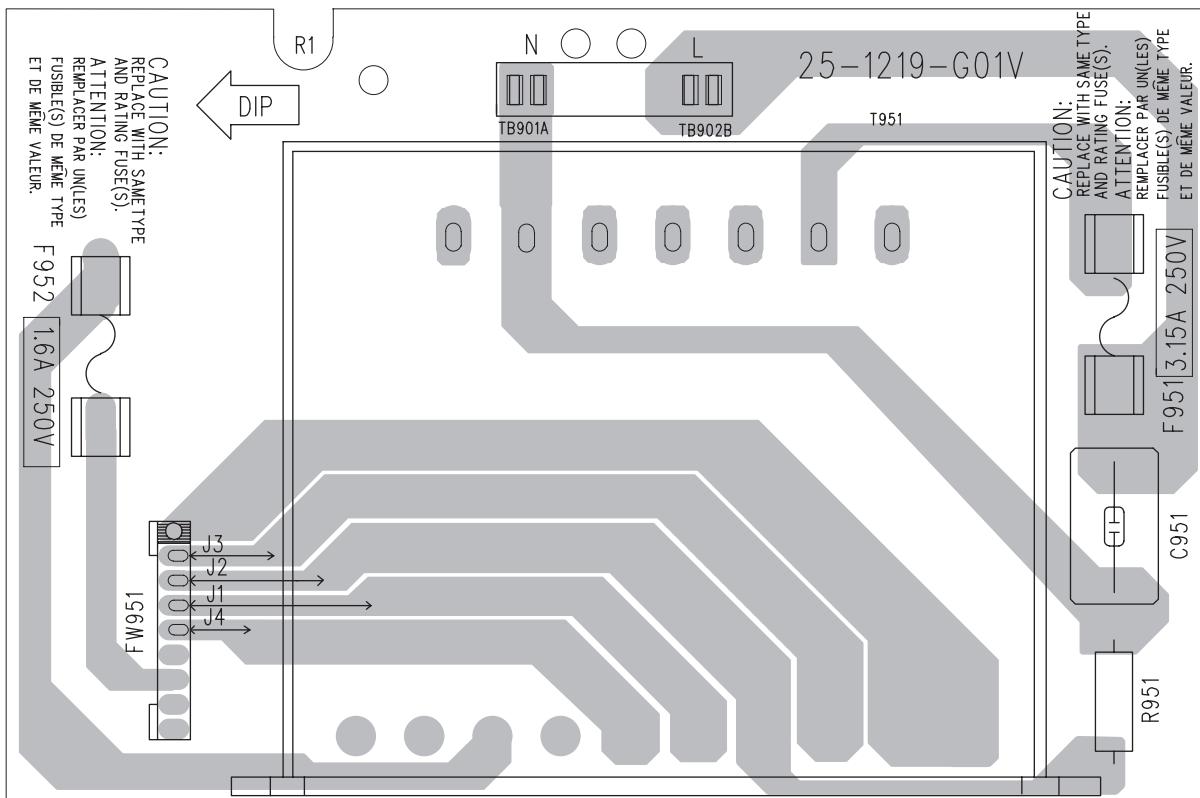
1.7 Attention when traverse unit is decomposed

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

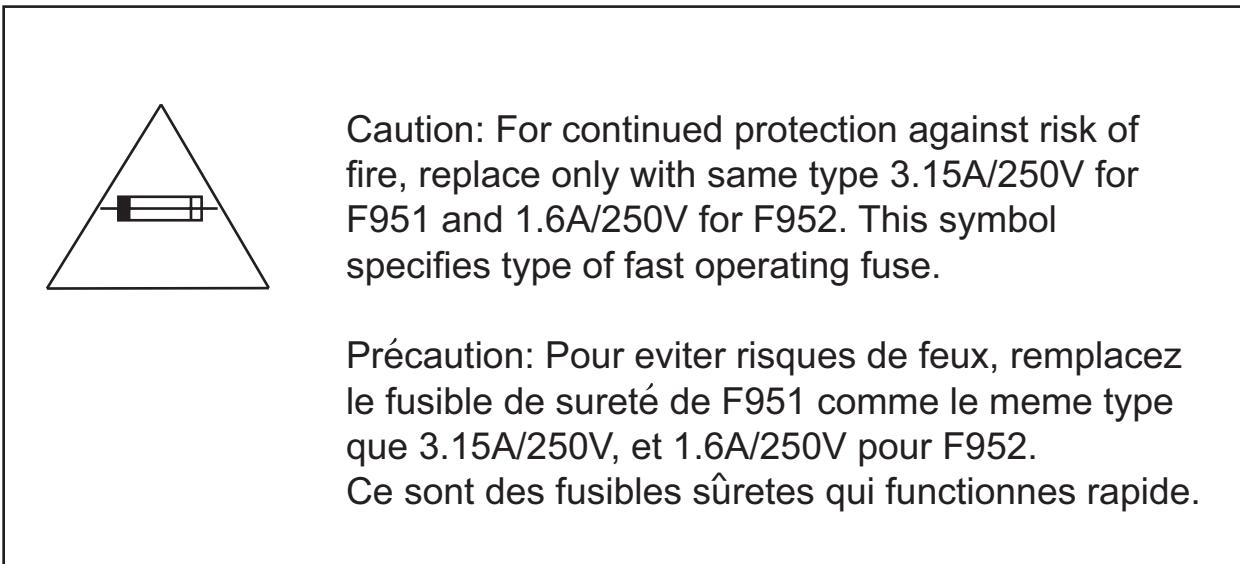
- Apply solder to the short land sections before the flexible wire is disconnected from the connector on the CD servo board. (If the flexible wire is disconnected without applying solder, the CD pickup may be destroyed by static electricity.)
- In the assembly, be sure to remove solder from the short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



1.8 Importance administering point on the safety



For USA and Canada / pour États - Unis d' Amérique et Canada



SECTION 2

SPECIFIC SERVICE INSTRUCTIONS

This service manual does not describe SPECIFIC SERVICE INSTRUCTIONS.

SECTION 3 DISASSEMBLY

3.1 Main body

3.1.1 Replacing the fuses (See Fig.1)

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

(1) Replace the fuses inside.

Caution:

Be sure to use fuses with the specified ratings.

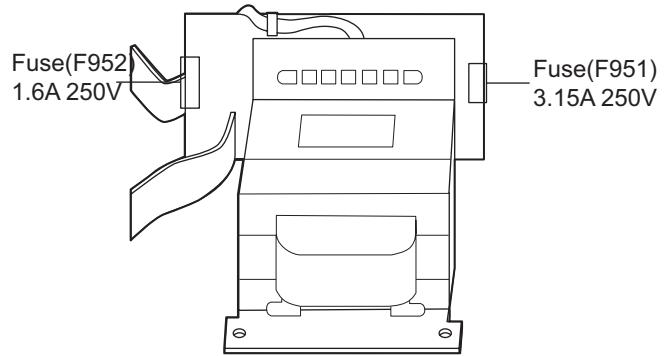


Fig.1

3.1.2 Replacing the power IC (See Fig.2)

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

(1) Remove the two screws **A** from the heat sink between the power IC.

(2) Remove the solder fixing the power IC.

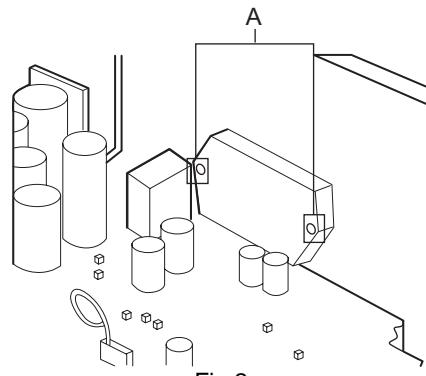


Fig.2

3.1.3 Replacing the heat sink cover (See Fig.3)

(1) Remove four screws **B** from the rear panel.

(2) Pull the heat sink cover outward.

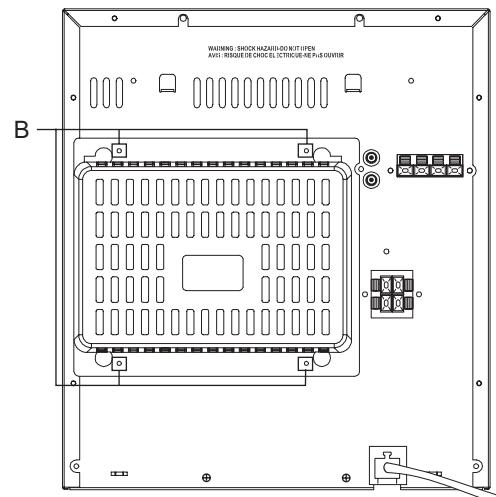


Fig.3

3.1.4 Removing the top cover

(See Fig.4 and 5)

- (1) Remove six screws **C** that retain the top cover from the panel rear of the body.
- (2) Remove six screws **D** that retain the top cover from the two sides of the body.
- (3) Remove the top cover from the body by lifting it toward the rear.

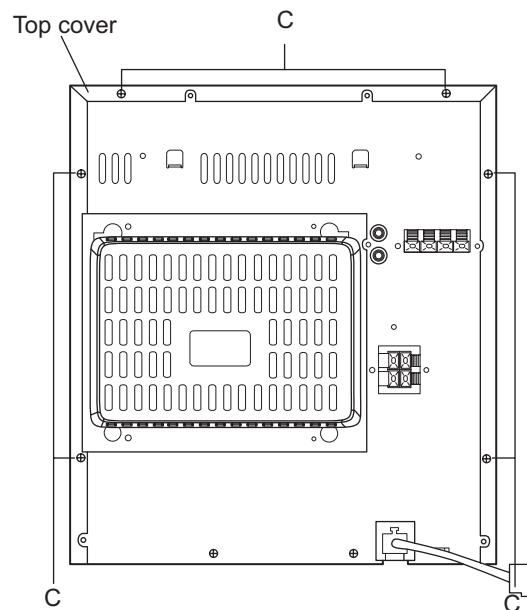


Fig.4

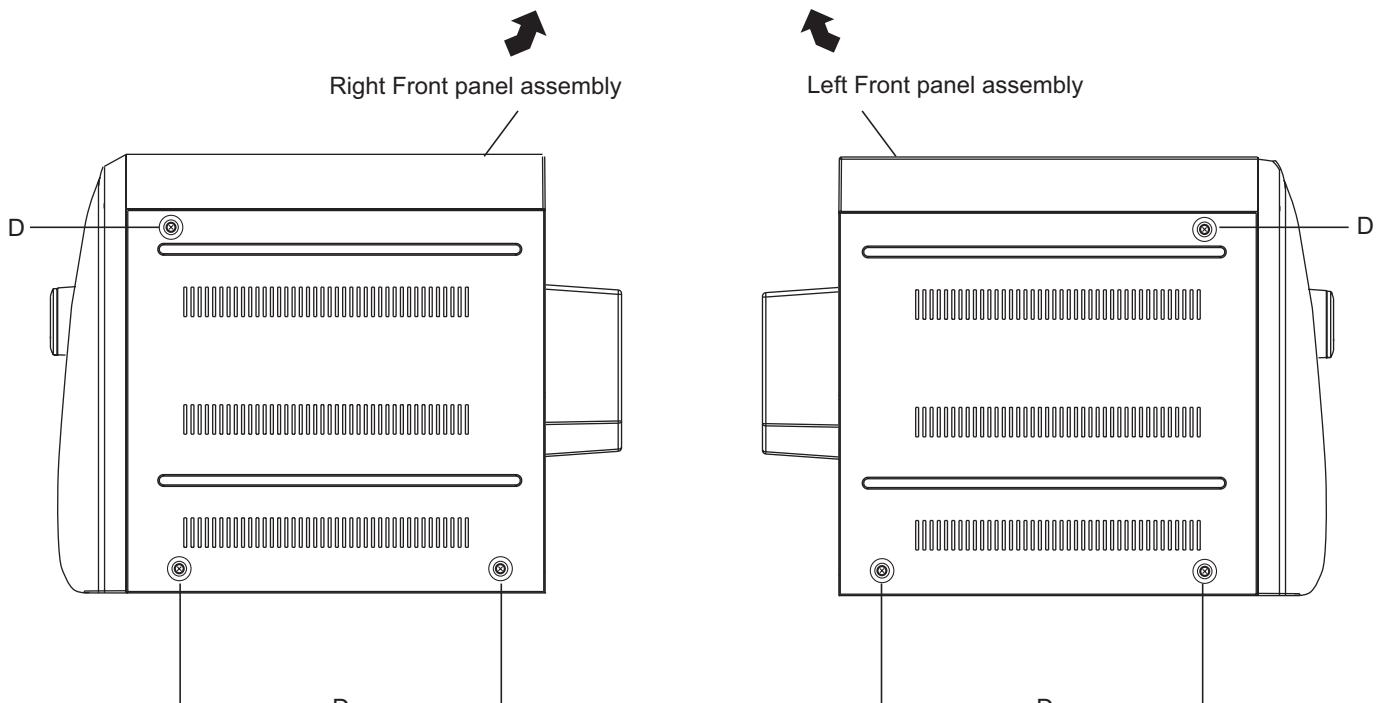


Fig.5

3.1.5 Removing the CD changer unit

(See Fig.6 to 9)

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

Caution:

Although the CD mechanism unit can be removed without removing the CD tray panel, it is still recommended to remove it in order to prevent damage.

- From the front panel side of this set, push in the sections marked with arrows and pull out the CD tray toward the front.
- Remove the CD tray panel by pushing both of its extremities upward in the direction of the arrows.
- Push the CD tray deep into the set.

(1) Disconnect the cord wires from the CD board [CN703](#) and [CN203](#).

(2) From the rear of the set, remove two screws **E** three screws **F** and four screws **G** on the front panel left and right side.

(3) Handle the CD changer unit rear, take out the unit.

CD tray panel

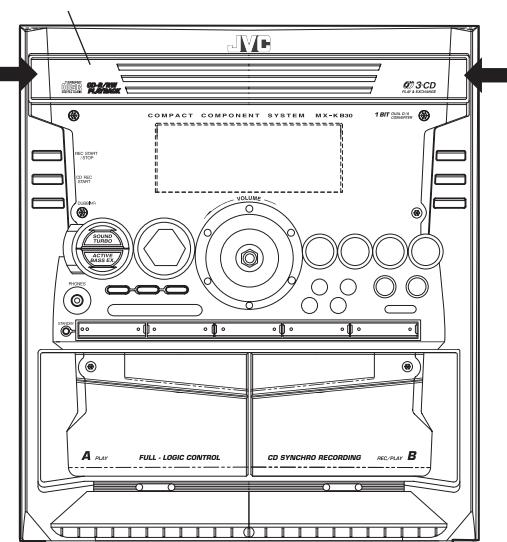


Fig.6

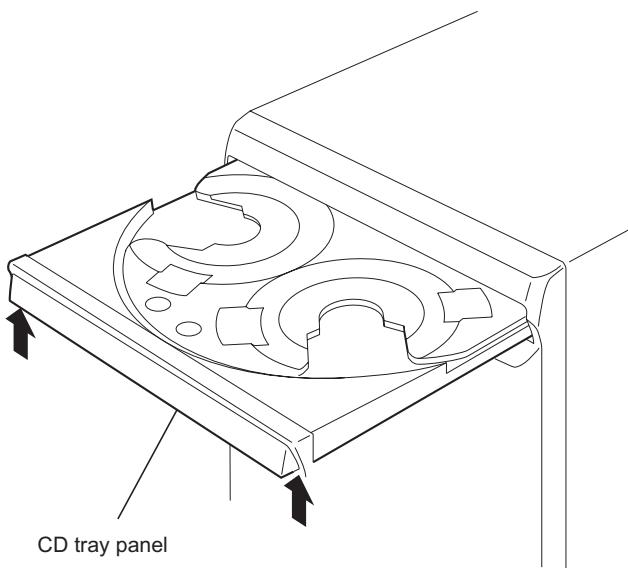


Fig.7

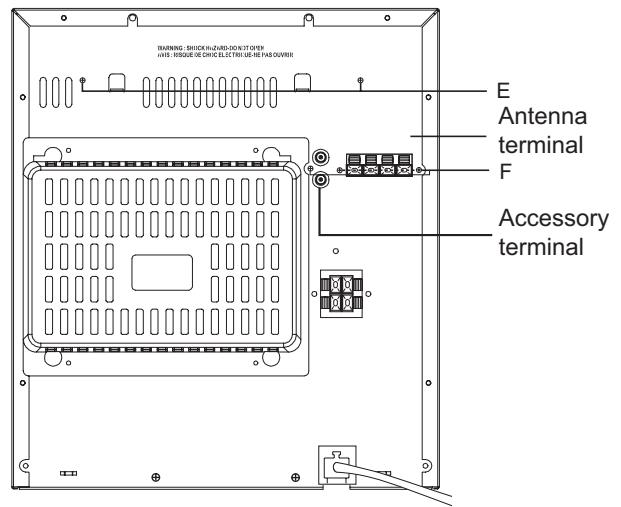


Fig.8

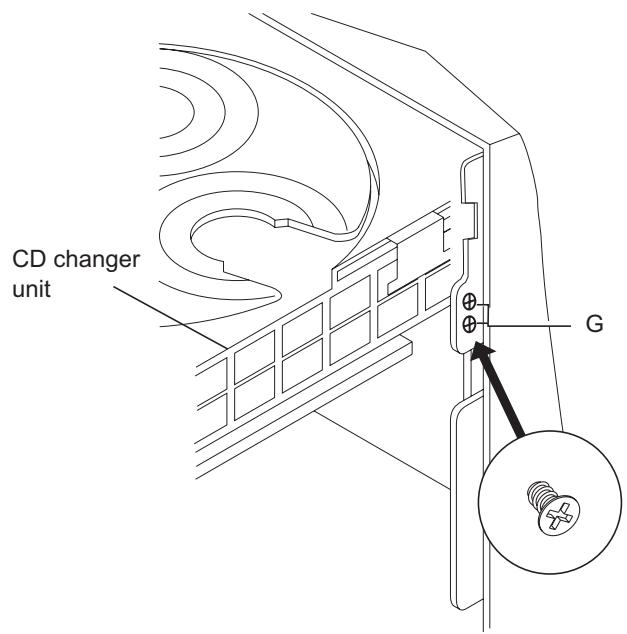


Fig.9

3.1.6 Removing the front panel assembly

(See Fig.10 to 11)

- Prior to performing the following procedures, remove the top cover.
- Also remove the CD changer unit.
 - (1) Disconnect the parallel wire and the cord wire from the connectors CN701, CN101 on the power amp. board.
 - (2) Remove one screws **H** retaining the front panel assembly onto the bottom of the body.
 - (3) Remove two screws **I** on the left and right side of the set retaining the panel front from the bottom and then remove then GND lug **b** that comes from the power amp and supply PCB.
 - (4) Disengage the claws **c** on both sides of the front panel assembly and then remove the assembly.

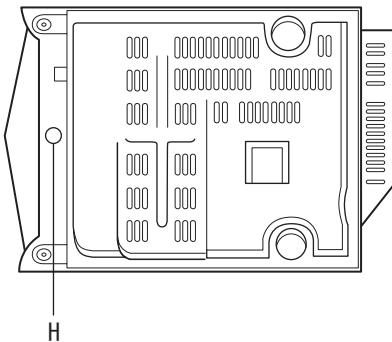


Fig.10

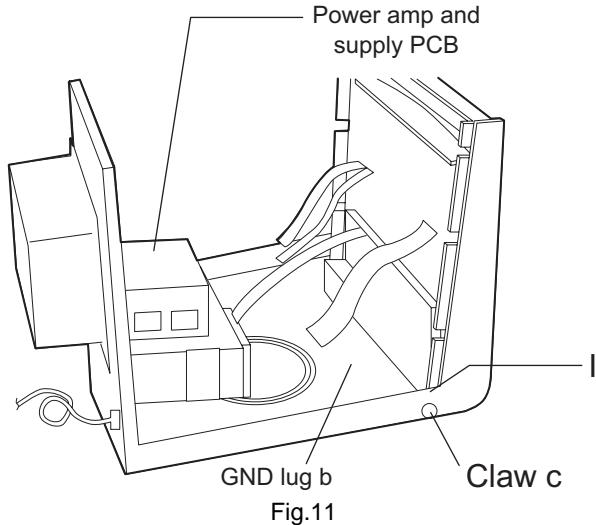


Fig.11

3.1.7 Removing the CD board

(See Fig.12 to 13)

- Prior to performing the following procedures, remove the top cover.
- Also remove the CD changer unit.
 - (1) Disconnect the wires from [CN603A](#), [CN603B](#) and [CN604](#) on the CD board, which is located on the back side of the CD changer unit.
 - (2) The four screws **J** that retain the CD board should be removed.
 - (3) Remove the CD board by pulling it toward the side where the [CN601](#) is located.
 - (4) Using solder, short the CD pickup to connect to short round.

Caution:

After re-connecting the wires, be sure to remove the shorting solder from the GND connection.

- (5) Disconnect the card wire from the connector [CN601](#) on the main board and then remove the main board.

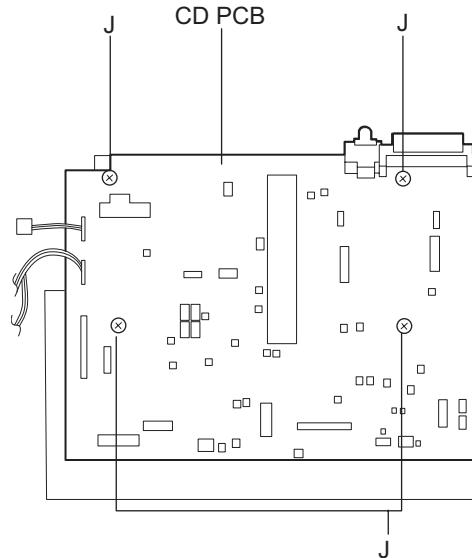
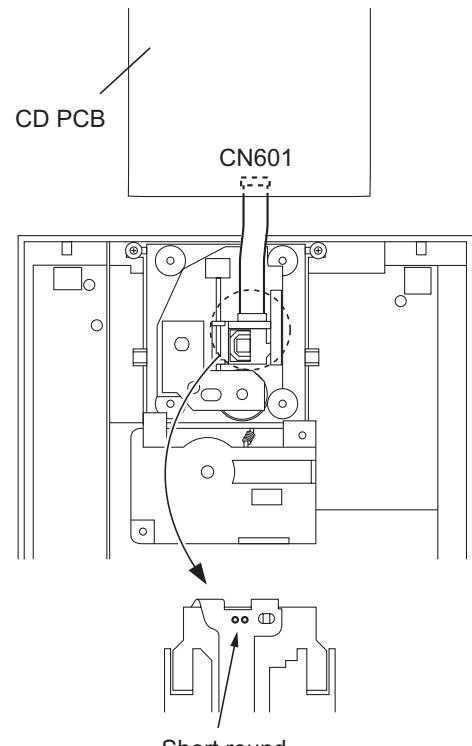


Fig.12



Short round
Fig.13

3.1.8 Removing the CD changer mechanism assembly

(See Fig.14 to 15)

- Prior to performing the following procedures, remove the top cover.
- Also remove the CD changer unit.

- (1) Turn the CD changer mechanism cover base and remove the screws **d** connecting the unit to the CD changer mechanism assembly.
- (2) Removing four screws **e** retaining the CD mechanism holder assembly.

Caution:

When replacing the CD changer mechanism assembly, be sure not to mistake the positions of the silver color and copper color spring.

CD changer unit

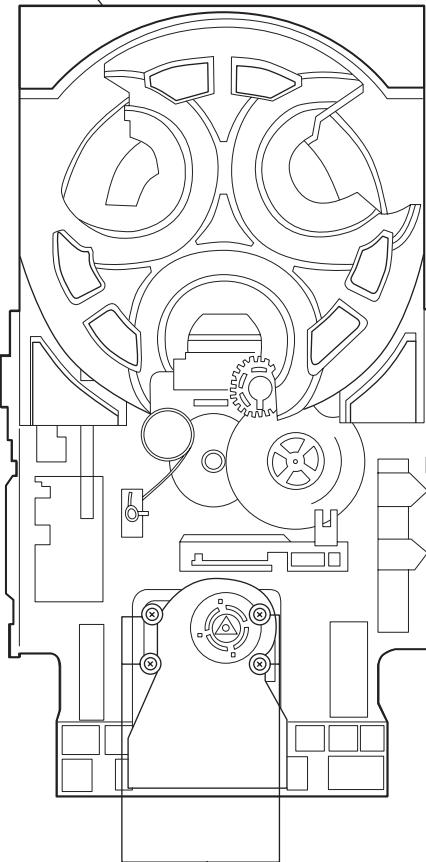


Fig.14

e (Silver color)

e (copper color)

CD changer mechanism assembly

e (Silver color)

e (copper color)

Fig.15

3.1.9 Removing the CD pickup (See Fig.16)

- Prior to performing the following procedures, remove the top cover.
- Also remove the CD changer unit.
- Also remove the CD changer mechanism.

(1) Widen the section **f**.

(2) While keeping the section **f** wide open, push the section **g** in the direction of the arrow to remove the shaft, and then remove the CD pickup.

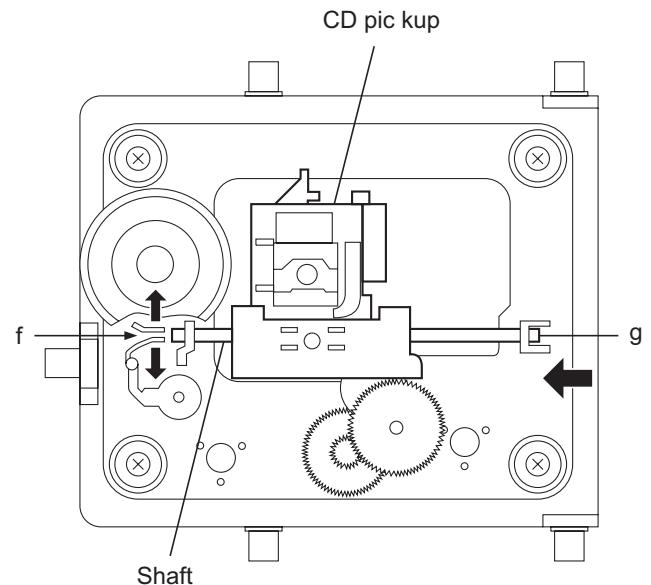


Fig.16

3.1.10 Replacing the loading motor and rotor belt of the CD changer (See Fig.17)

- Prior to performing the following procedures, remove the top cover.
- Also open the CD changer tray.

(1) Remove the two screws **L** retaining the CD changer tray loading motor.

(2) Remove the two screws **M** retaining the gear plate and take it out, after remove the rotor belt from the pulley.

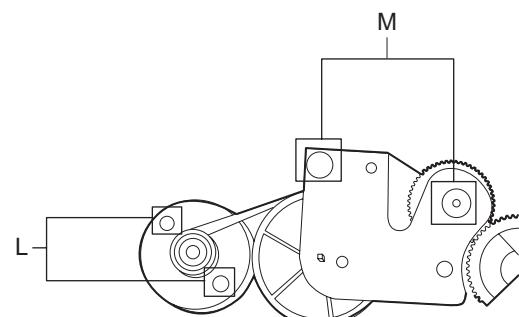


Fig.17

3.1.11 Replacing the CD turn table and removing the motor (See Fig. 18)

- Prior to performing the following procedures, remove the top cover.
- Also remove the CD changer unit.

(1) Remove the one screws **N** retaining the CD (Turn table).

(2) Remove the two screws **O** retaining the stopper brackets on both sides of the CD changer unit.

(3) Remove the stopper brackets from both sides of the CD changer unit.

(4) Pull out the CD tray from the CD changer unit, all the way and lift the tray (upward) to remove.

(5) Remove the gear and after push out the tray motor locker and pull out the tray motor from the CD tray.

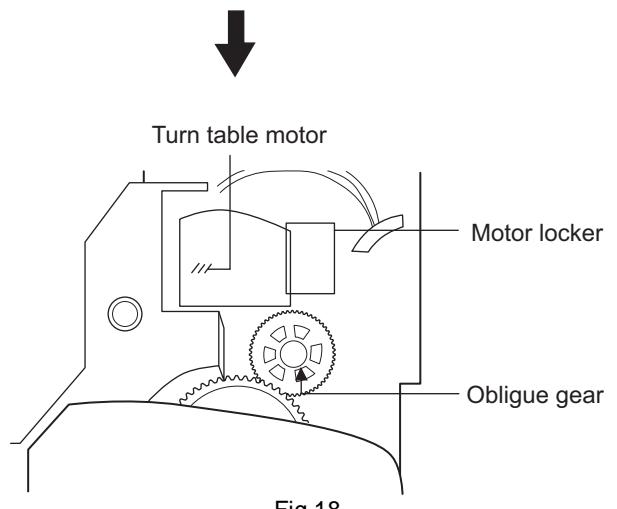


Fig.18

3.1.12 Removing the cassette deck mechanism

(See Fig.19)

- Prior to performing the following procedures, remove the top cover.
- Also remove the CD changer unit.
- Also remove the front panel assembly.

(1) Remove six screws **Z** retaining the cassette deck mechanism.

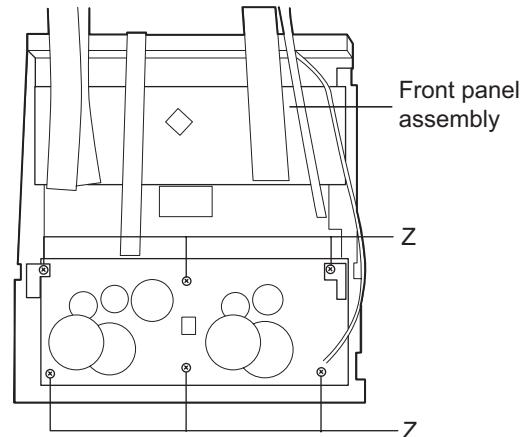


Fig.19

3.1.13 Removing the earphone jack board

(See Fig.20)

- Prior to performing the following procedures, remove the top cover.
- Also remove the CD changer unit.
- Also remove the front panel assembly.

(1) Remove the screw with the washer, **P** that retains the earphone jack PCB.

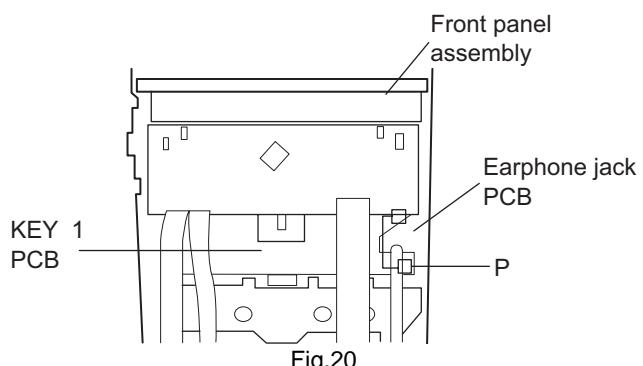


Fig.20

3.1.14 Removing the control/FL board

(See Fig.21)

- Prior to performing the following procedures, remove the top cover.
- Also remove the CD changer unit.
- Also remove the front panel assembly.

(1) Remove six screws **Q** that retain the control/FL PCB from the back of the front panel unit.

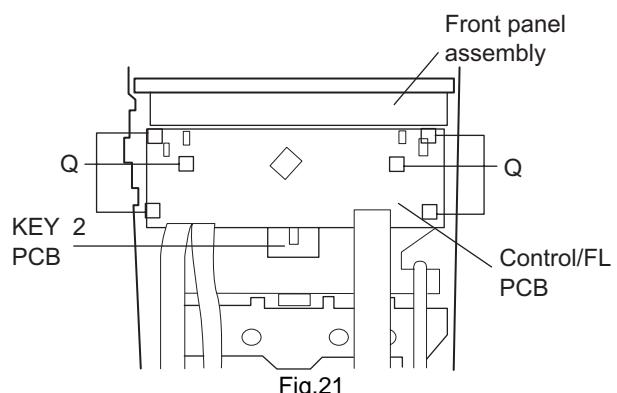


Fig.21

3.1.15 Removing the switch board and sound mode and CD function switch board

(See Fig.20 to 23)

- Prior to performing the following procedures, remove the top cover.
- Also remove the CD changer unit.
- Also remove the front panel assembly.
- (1) Pull out the volume control knob from the front of the front panel assembly.(Fig.22)
- (2) Remove six screws **Q** retaining the front panel assembly.(Fig.21)
- (3) Remove the control/FL board.
- (4) Remove eleven screws **R** retaining the switch (key 1) board.(Fig.20)
- (5) Remove two screws **S** retaining the sound mode and CD function (key 2) switch board.(Fig.21)

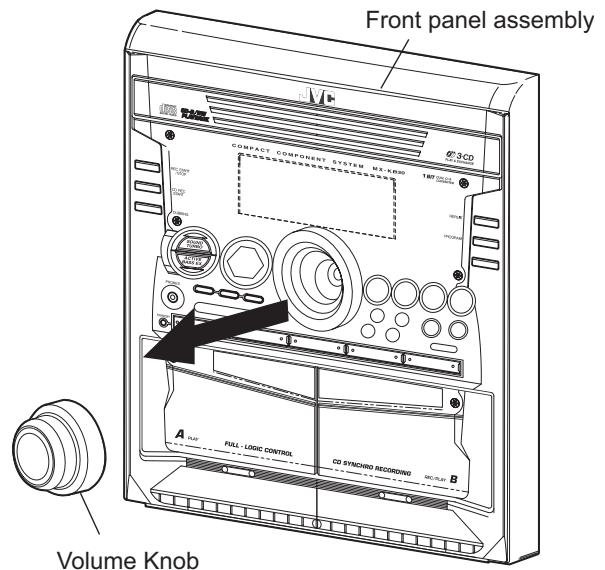


Fig.22

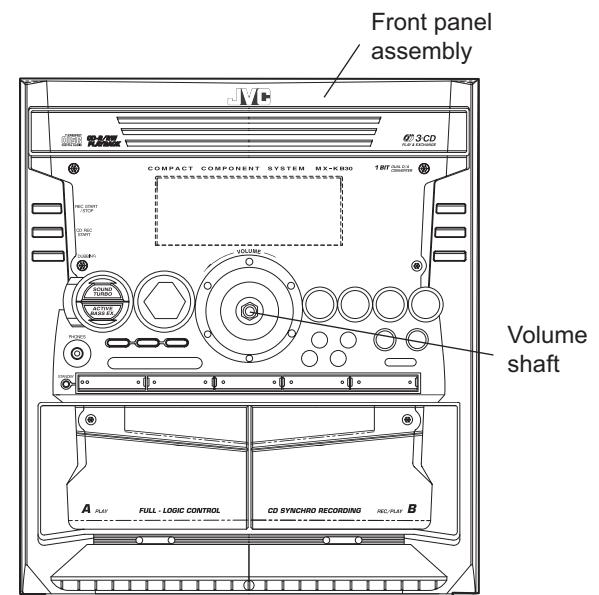


Fig.23

3.1.16 Removing the leaf switches of the cassette deck mechanism

(See Fig. 19 and 26)

- Prior to performing the following procedures, remove the top cover and both sides board.
- Also remove the CD changer unit.
- Also remove the front panel assembly.
- (1) Remove the six screws **Z** that retain the cassette deck mechanism. (Fig.19)
- (2) Remove the cassette deck mechanism.
- (3) Turn the cassette deck mechanism upside down.
- (4) Remove the solder from around the leaf switches.
- (5) Pull out the leaf switches from the front side of the cassette deck mechanism.

3.1.17 Removing the cassette deck main motor, and replacing the main belts

(See Fig.19, 24 and 25)

- Prior to performing the following procedures, remove the top cover and both sides board.
- Also remove the CD changer unit.
- Also remove the front panel assembly.
- (1) Remove six screws **Z** retaining the cassette deck mechanism. (Fig.19)
- (2) Remove the cassette deck mechanism.
- (3) Remove two screws **t** retaining the main motor from the front side of the cassette deck.

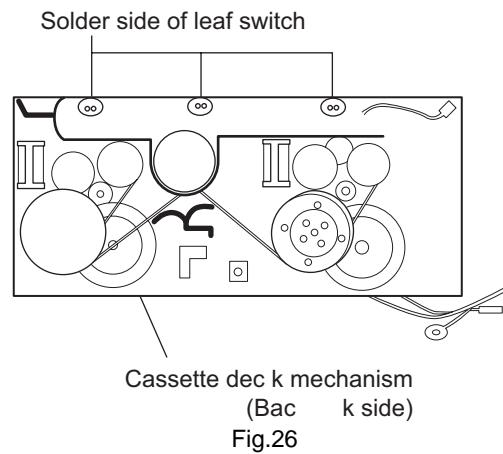
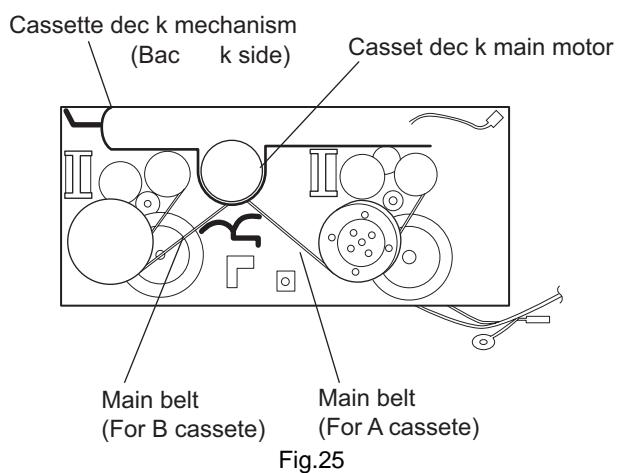
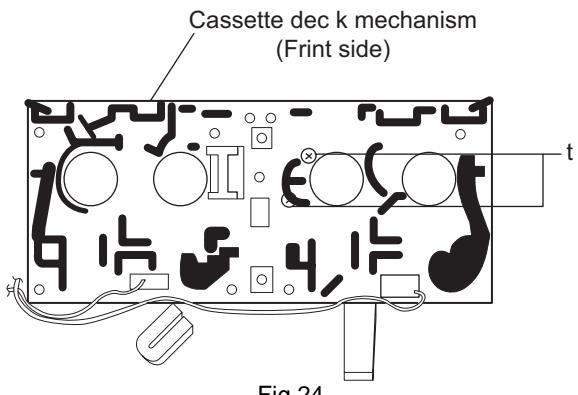
Caution:

After attaching the main motor, check the orientation of the motor and the polarity of the wires.

- (4) From the backside of the cassette deck, remove the main motor and two main belts.

Caution:

The lengths of the cassette A(playback only) and cassette B(record/play) main belts are different. When attaching the main belts, use the longer belt for cassette A.



3.1.18 Removing the cassette deck heads

(See Fig. 19 and 27)

- Prior to performing the following procedures, remove the top cover and both sides board.
- Also remove the CD changer unit.
- Also remove the front panel assembly.

(1) Remove six screws **Z** that retain the cassette deck mechanism. (Fig.19)

(2) Remove the cassette deck mechanism and place it so that the front side faces up.

(3) Remove the solder from the bottom side of the head terminal and disconnect the wire.

(4) Remove screw **U** that retains the head.

(5) Remove screw **V** that retains the head.

(6) Hold the head and slide it in the direction of the arrow to remove it.

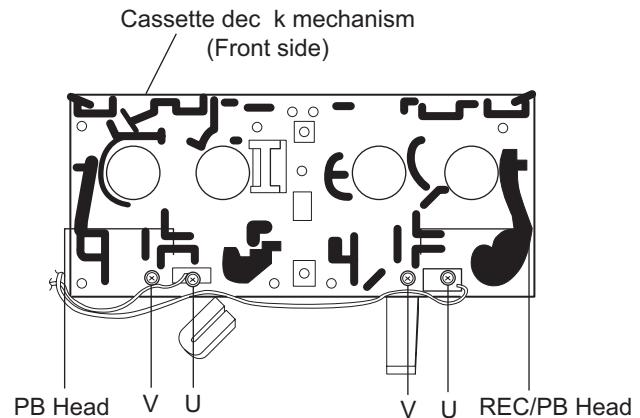


Fig.27

3.1.19 Removing the 3-pin regulator and bridge diode

(See [Q904](#), [Q907](#), [D901](#), [D914](#) and Fig.28)

- Prior to performing the following procedures, remove the top cover and both sides board.

(1) Remove two screws **A** that connect the heat sink.

(2) Remove two screws **W** that connect the heat sink.

(3) Remove the solder fixing the the 3-pin terminal regulator [Q904](#), [Q907](#).

(4) Remove the solder fixing the 4-pin bridge diode ([D901](#), [D914](#)).

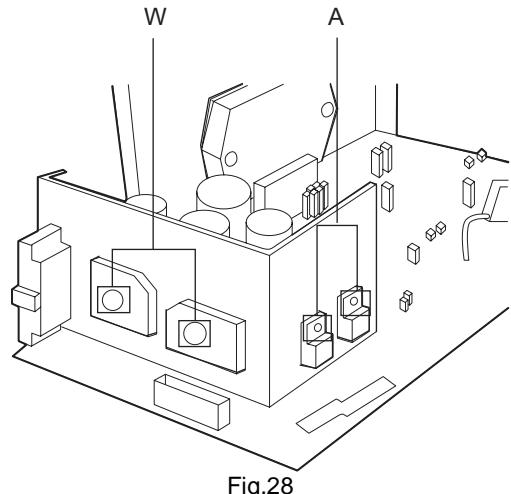


Fig.28

3.1.20 Removing the power amp and supply board and the power trans board

(See Fig. 3, 29 to 31)

- Prior to performing the following procedures, remove the top cover and CD changer unit.
- (1) Remove four screws **B** from the rear panel. (Fig.3)
- (2) Pull the heat sink cover outward.
- (3) Remove four screws **AA** from the rear panel between the heat sink holder.
- (4) Remove two screws **X** that retain the speaker terminals and AUX terminal.
- (5) Remove screws **YY** that retains the rear panel, and then remove the rear panel.
- (6) Disconnect the parallel wires from the connectors **FW951** on the power trans board.
- (7) Remove the clamp of **AC** power cord from the chassis.
- (8) Remove four screws **AB** that retain the power trans board and then remove the assembly.

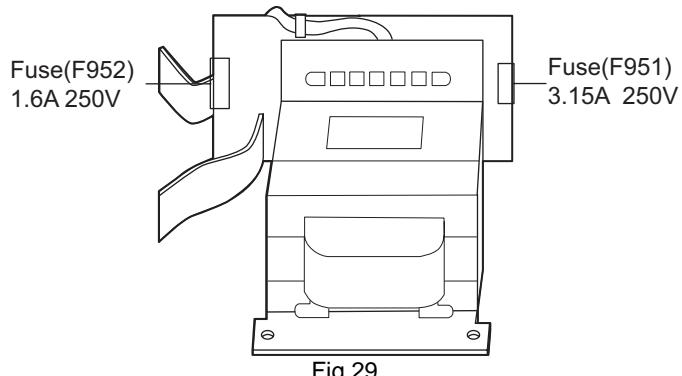


Fig.29

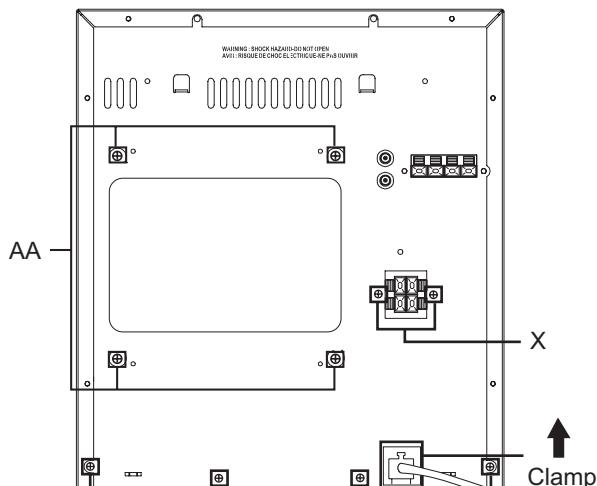


Fig.30

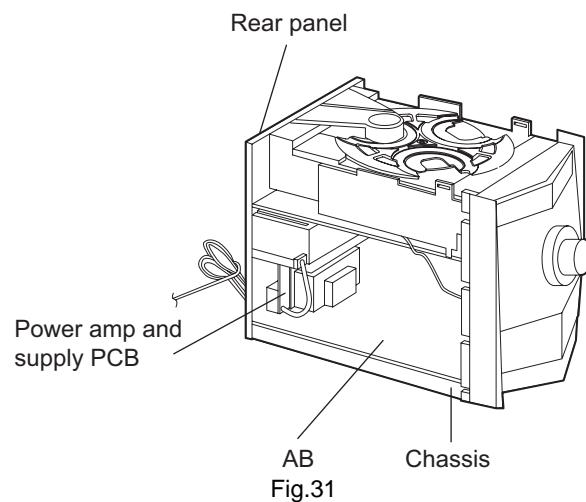


Fig.31

SECTION 4 ADJUSTMENT

4.1 Measurement instruments required for adjustment

- (1) Low frequency oscillator
This oscillator should have a capacity to output 0dB to 600ohm at an oscillation frequency of 50Hz-20kHz.
- (2) Attenuator impedance : 600Ω
- (3) Electronic voltmeter
- (4) Frequency counter
- (5) Wow flutter meter
- (6) Test tape
VT712 : For Tape speed and wow flutter (3kHz)
VT703 : For Head angle (10kHz)
- (7) Blank tape
TAPE I : AC-225
TAPE II : AC-514
- (8) Torque gauge
For play and back tension forward : TW2111A
Reverse : TW2121A
Fast Forward and Rewind : TW2231A
- (9) Test disc : CTS-1000(12cm),GRG-1211(8cm)
- (10) Jitter meter

4.2 Measurement conditions

Power supply voltage : AC 120V (60Hz)
Measurement output terminal
: Speaker out
: TP101(Measuring for TUNER/DECK/CD)
: Dummy load 6Ω

4.3 Radio input signal

AM modulation frequency : 400Hz
Modulation factor : 30%
FM modulation frequency : 1kHz
Frequency displacement : 22.5kHz

4.4 Frequency Range

AM : 530kHz~1710kHz
FM : 87.5MHz~108MHz

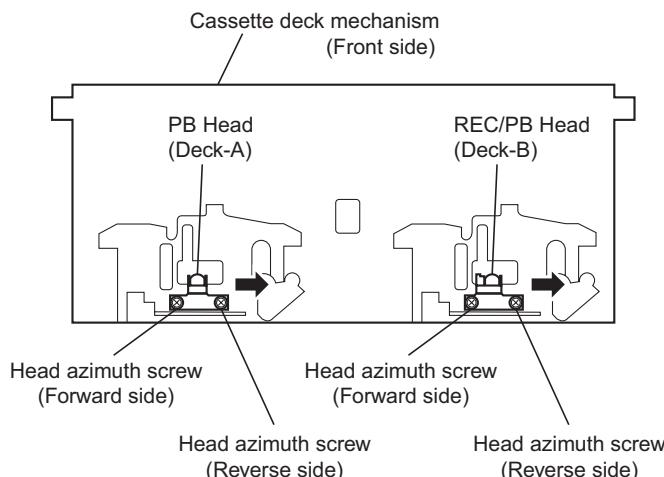
4.5 Standard measurement positions of volume and switch

Power : Standby (Light STANDBY Indicator)
Sound Turbo,A,BASS EX : OFF
Sound mode : OFF
Main VOL. : 0 Minimum
Travers mecha set position : Disc 1

4.6 Precautions for measurement

- (1) Apply 30pF and 33k<ohm> to the IF sweeper output side and 0.082<micro>F and 100kohm in series to the sweeper input side.
- (2) The IF sweeper output level should be made as low as possible within the adjustable range.
- (3) Since the IF sweeper is a fixed device, there is no need to adjust this sweeper.
- (4) Since a ceramic oscillator is used, there is no need to perform any MPX adjustment.
- (5) Since a fixed coil is used, there is no need to adjust the FM tracking.
- (6) The input and output earth systems are separated.
In case of simultaneously measuring the voltage in both of the input and output systems with an electronic voltmeter for two channels, therefore, the earth should be connected particularly.
- (7) In the case of BTL connection amplifier, the minus terminal of speaker is not for earthing. Therefore, be sure not to connect any other earth terminal to this terminal. This system is of an OTL system.

4.7 Arrangement of adjusting positions



4.8 Tape recorder section

| Items | Measurement conditions | Measurement method | Standard values | Adjusting positions |
|------------------------------------|---|---|-----------------|--|
| Cassette Head Azimuth Alignments | Test tape : VT703 (10kHz) Measurement output terminal : Left and Right speaker output (6-ohm loaded) or Headphone Output (32-ohm loaded) | 1. Playback the test tape VT703 (10KHz) or equivalent. 2. Adjust the head azimuth screw to obtain maximum output and both output of L / R is in 3dB. 3. Put on the screw lock paint after alignments. | Maximum output | Adjust the head azimuth screw only when the head has been changed. |
| Recording Bias Frequency Alignment | Test tape : TYPE I AC-514 Measurement output terminal : Erase head terminal (CN308 8-Pin) | 1. Insert the recording tape in deck-B. 2. Starting the recording. 3. Adjust the oscillation frequency to 80KHz+/-3KHz by core of Oscillation coil of L301. | 80kHz+/-3kHz | Use the High-Impedance Probe or Frequency counter input. |

4.9 Tuner section

| Items | Measurement conditions | Measurement method | Standard values | Adjusting positions |
|------------------------|--|---|---|---|
| AM Tracking Alignments | Input signal : 530kHz 600kHz Adjustment point : Antenna coil (L2) | 1. Set the Signal Generator signal to 530KHz the feed to Loop Antenna. 2. Receiving the signal and the adjust the OSC coil (L2) obtain the V.T is 1.40V +/-0.05V. 3. Change the receiving frequency to 600KHz (603KHz). 4. Adjust the Antenna coil (L2) obtain maximum sensitivity. (Adjust the SSG output to out of AGC range.) | V.T : 1.40V +/-0.05V Maximum sensitivity | Adjust the OSC coil only when the AM coil block has been changed. |
| AM IFT Alignments | Input signal : 530kHz Adjustment point : IFT (T1) | 1. Set the receiving frequency to 530KHz. 2. Feed the 450KHz signal to AM antenna input. 3. Adjust the IFT Block T1 obtain to maximum output. (Adjust the SSG output to out of AGC range.) | Maximum output | Adjust the IFT only when the IFT block has been changed. |

Note: The adjustment of CD section is not required.

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.MB157)

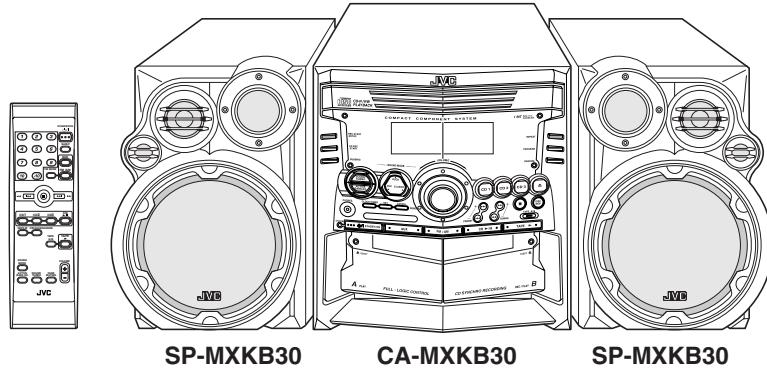
JVC

SCHEMATIC DIAGRAMS

COMPACT COMPONENT SYSTEM

MX-KB30

CD-ROM No.SML200402



Area Suffix

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

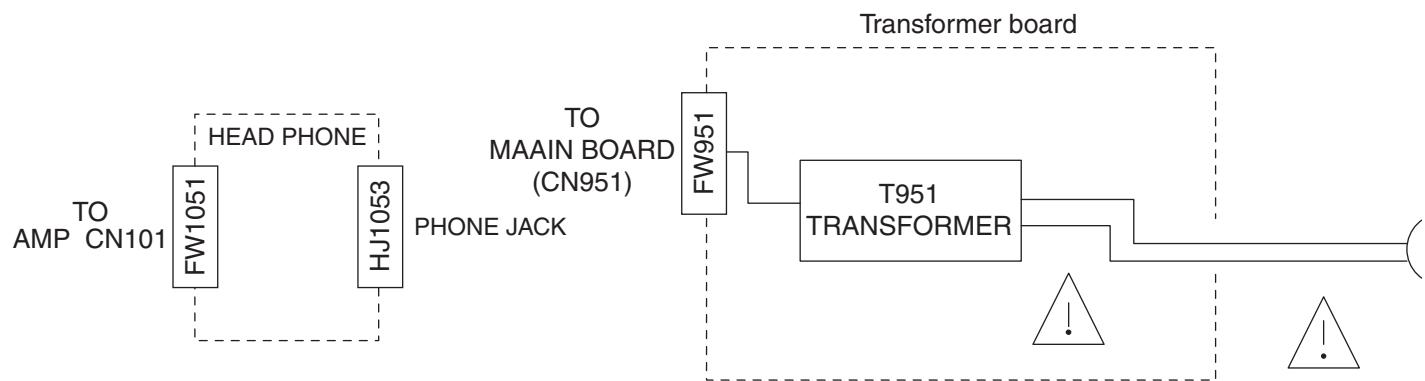
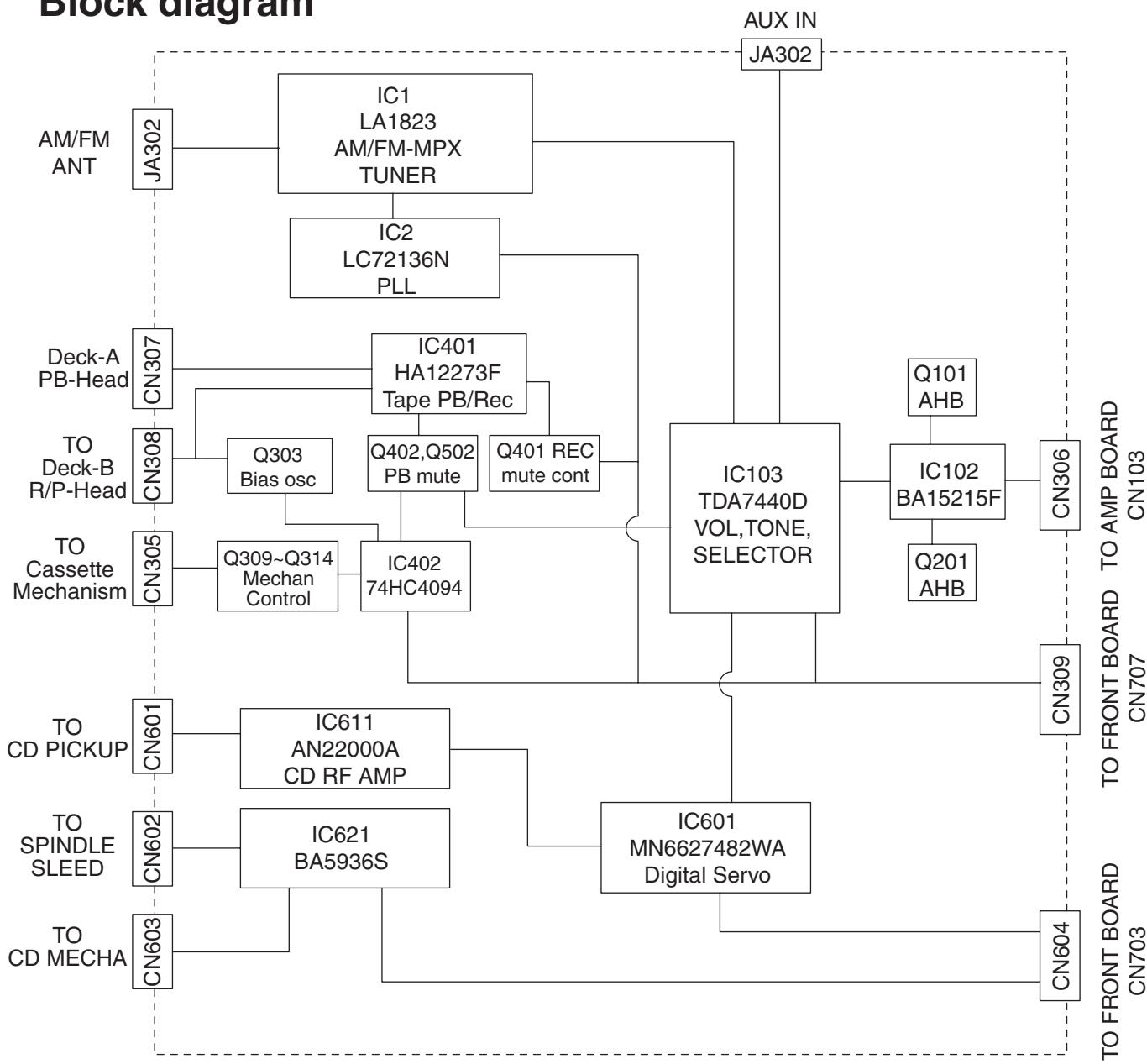
Contents

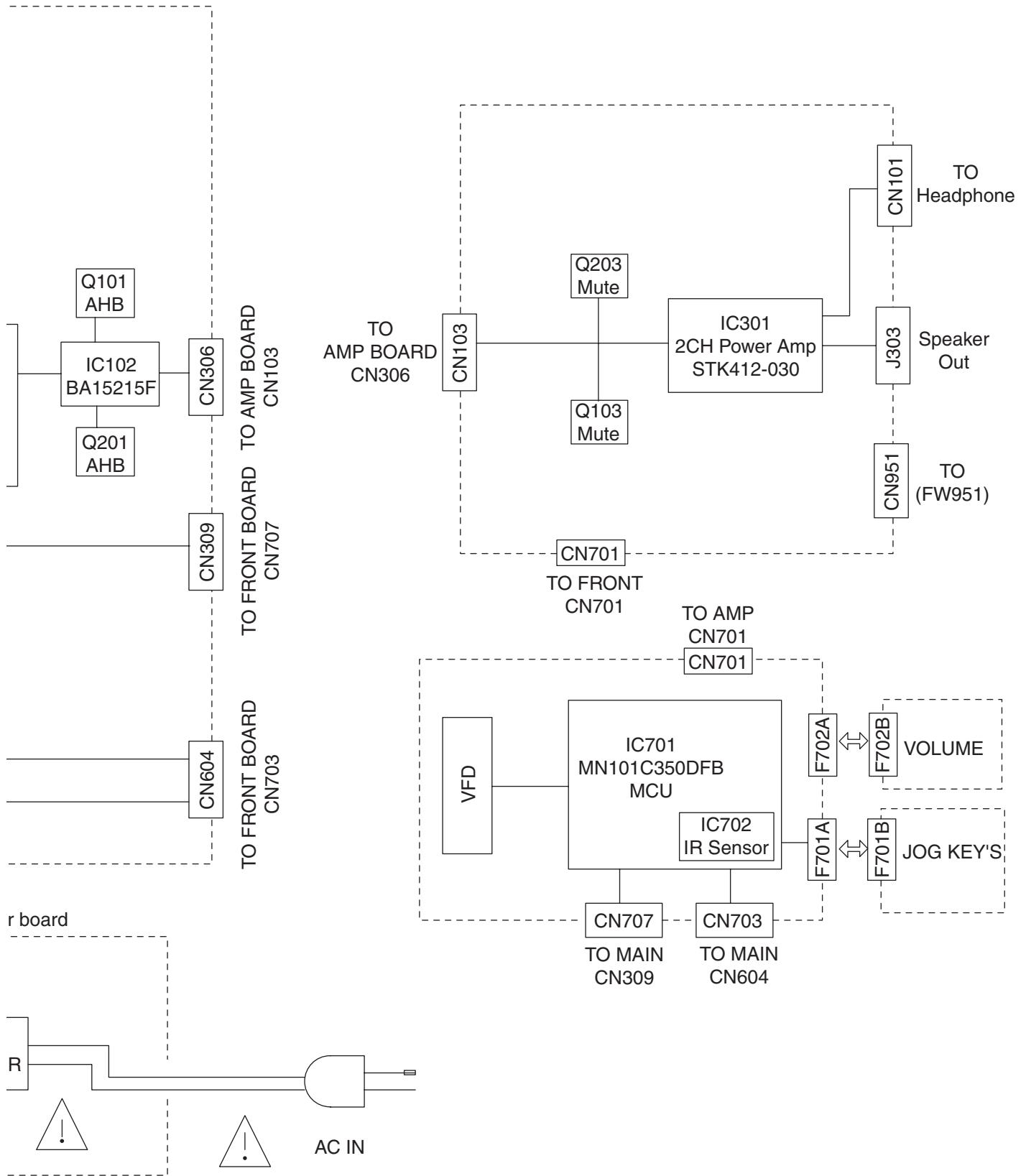
| | |
|-----------------------------------|------|
| Block diagram ----- | 2-1 |
| Standard schematic diagrams ----- | 2- 2 |
| Printed circuit boards ----- | 2- 8 |

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

< MEMO >

Block diagram

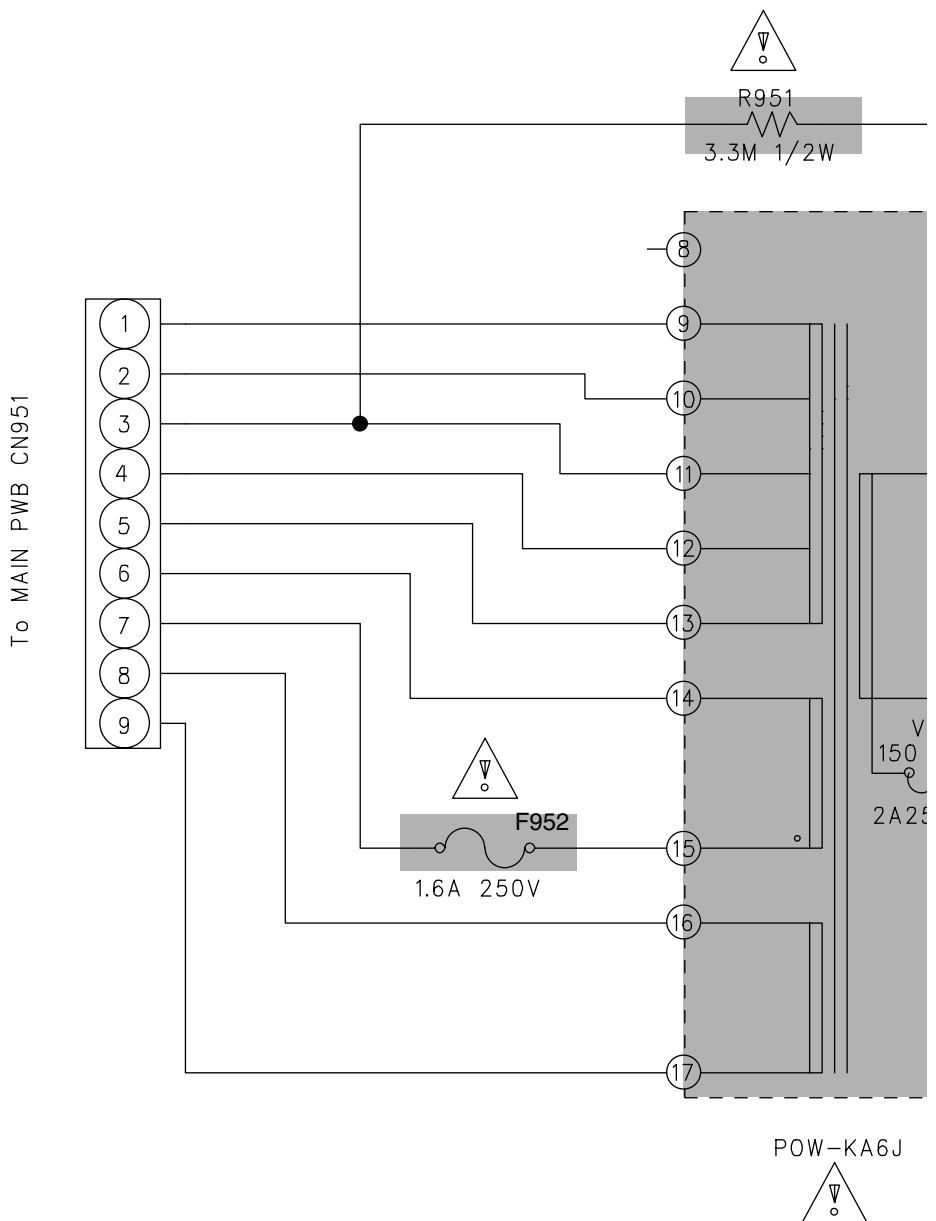


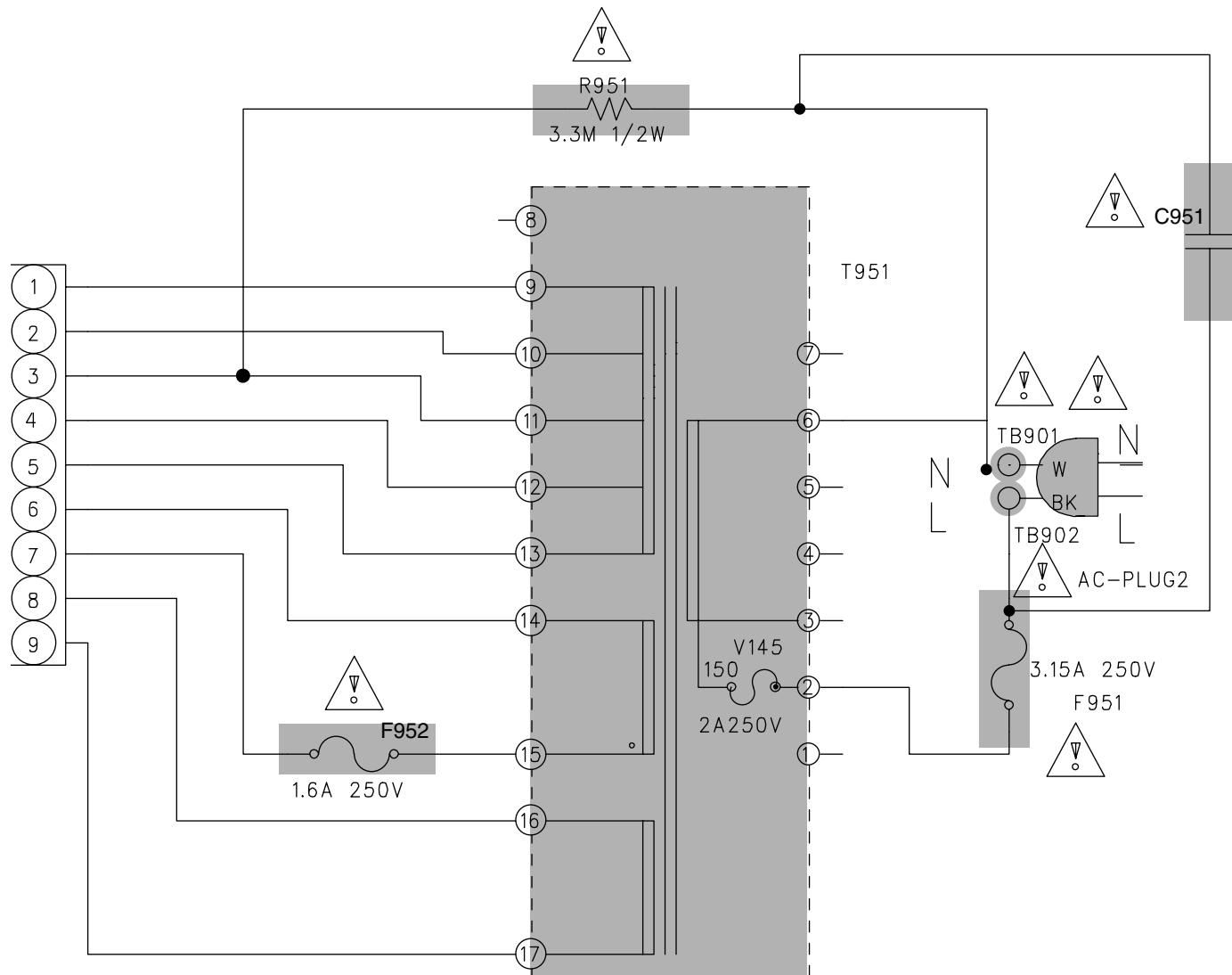


Standard schematic diagrams

■ Power transformer section

J/C Version

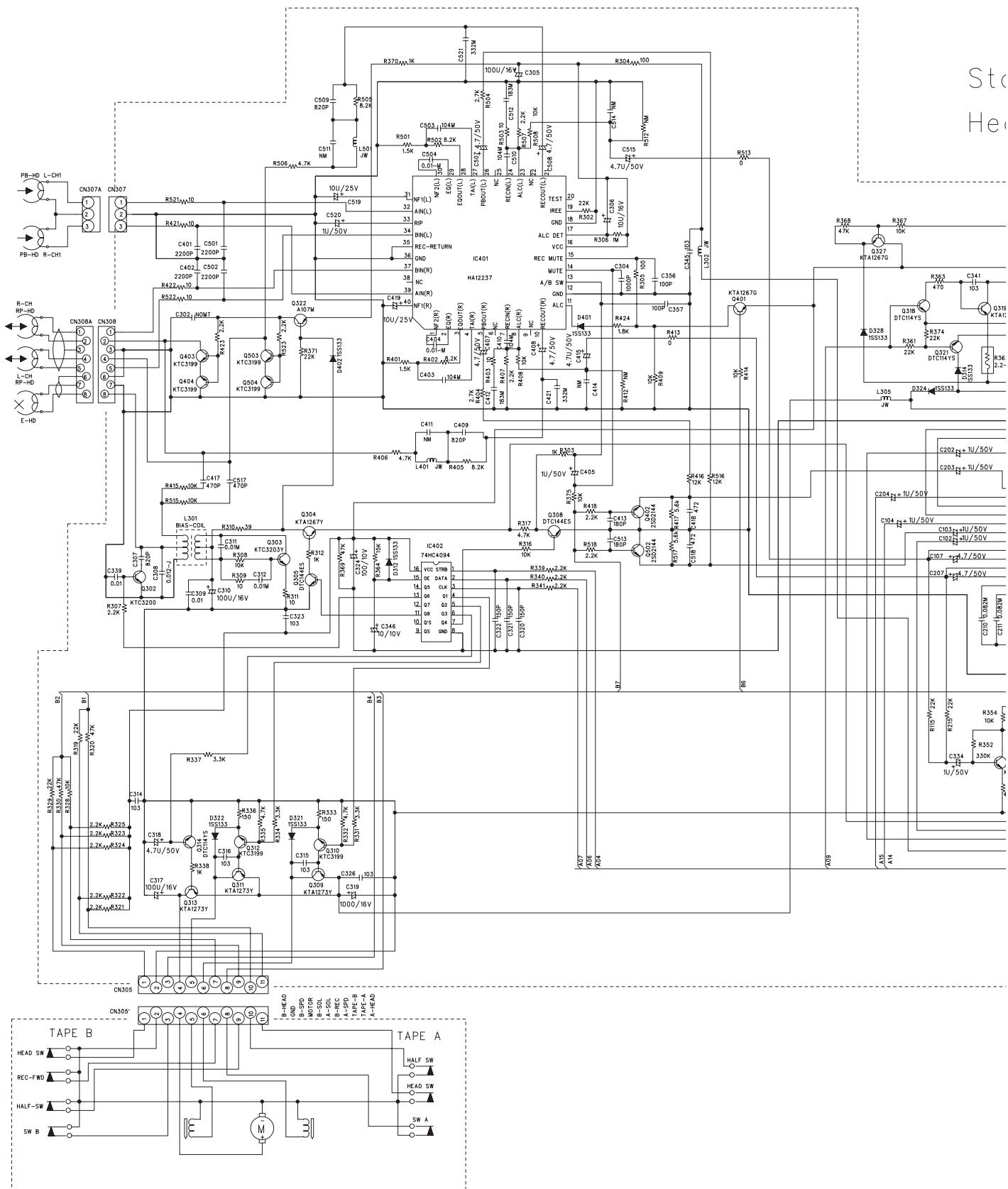




POW-KA6J

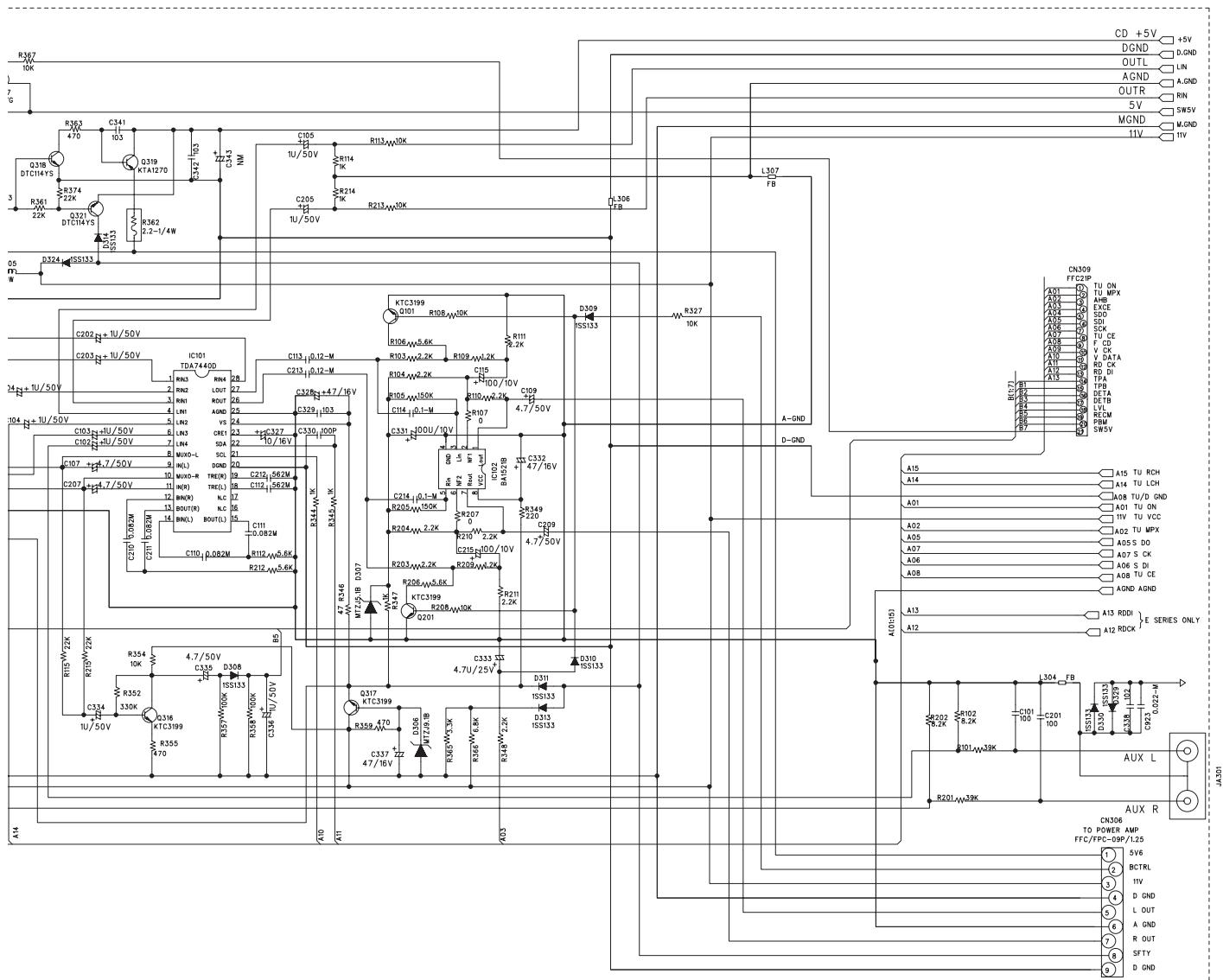
 Parts are safety assurance parts.
When replacing those parts make
sure to use the specified one.

■ Main section



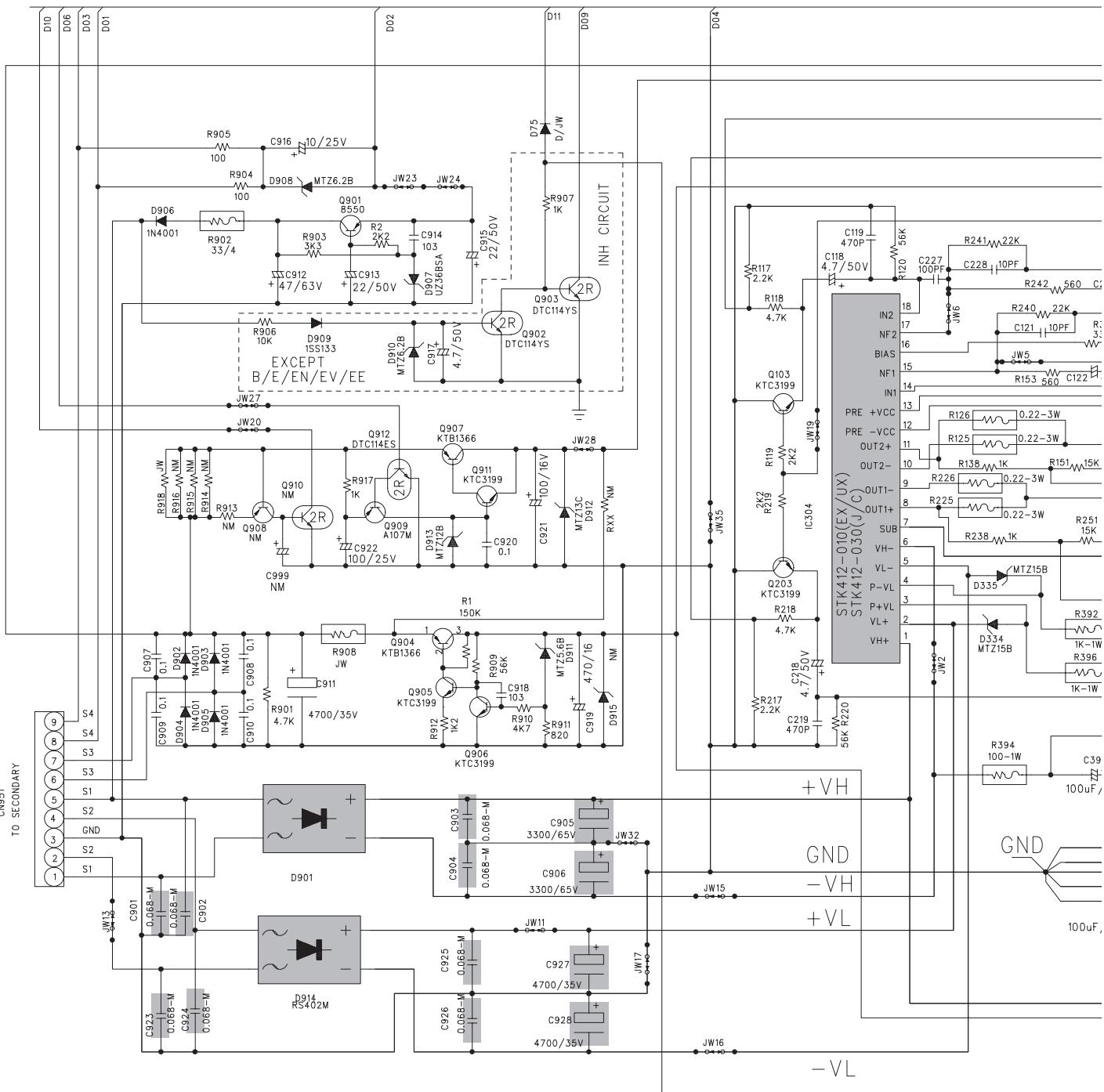
Standard Schematic Diagram

Head AMP/AUX/VOLUME

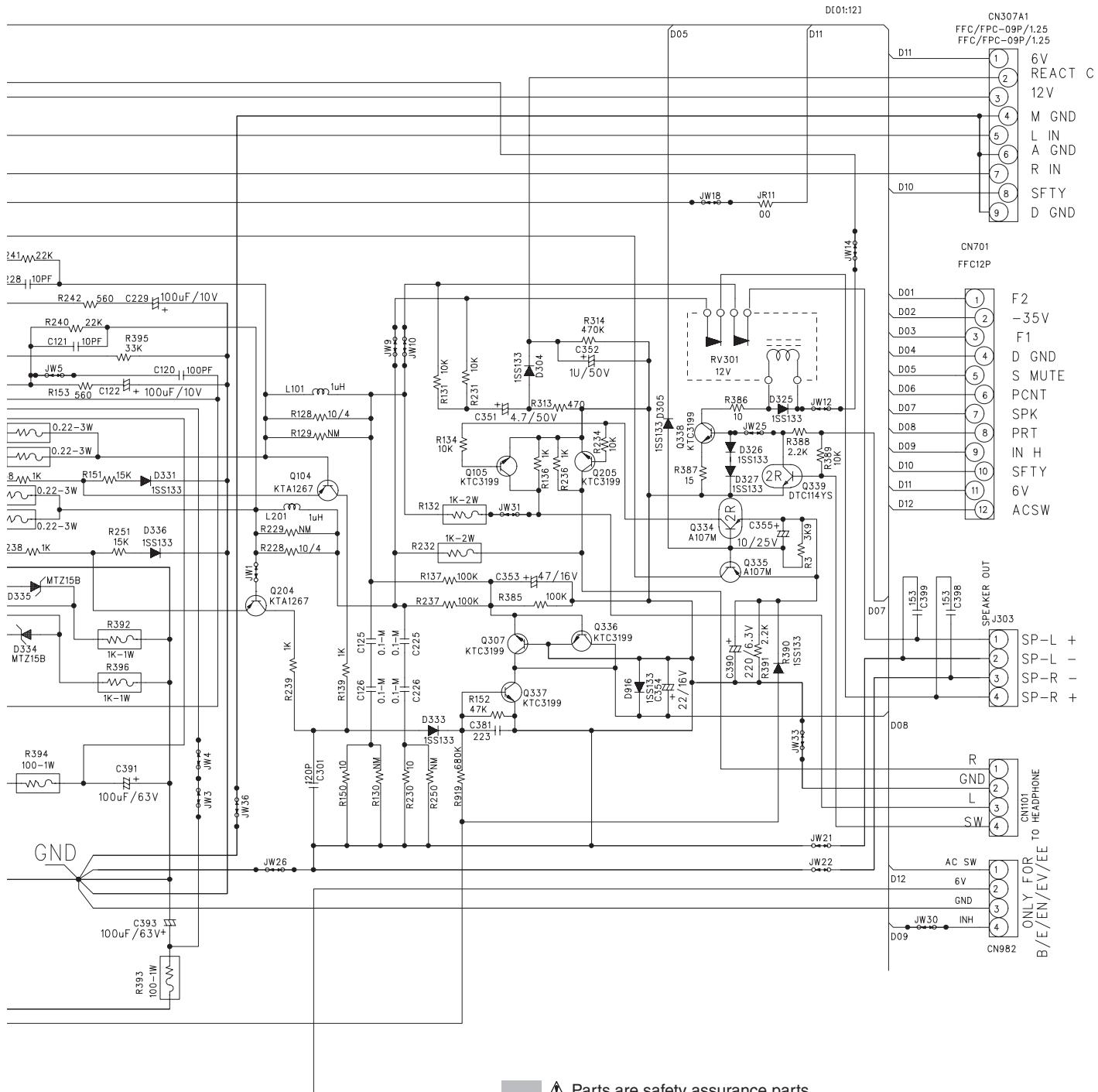


■ Amplifier

POWER AMPLIFIER BLOCK

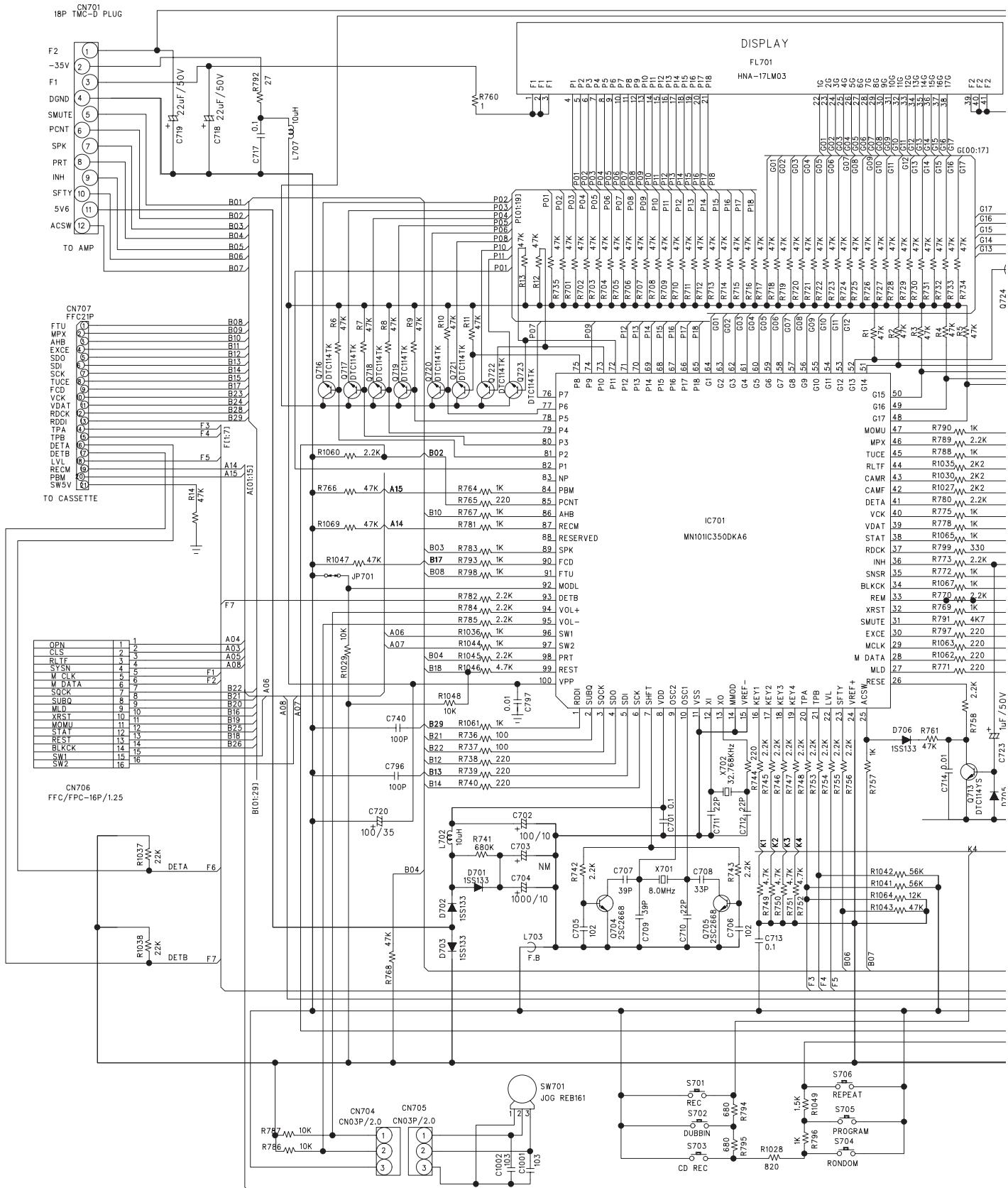


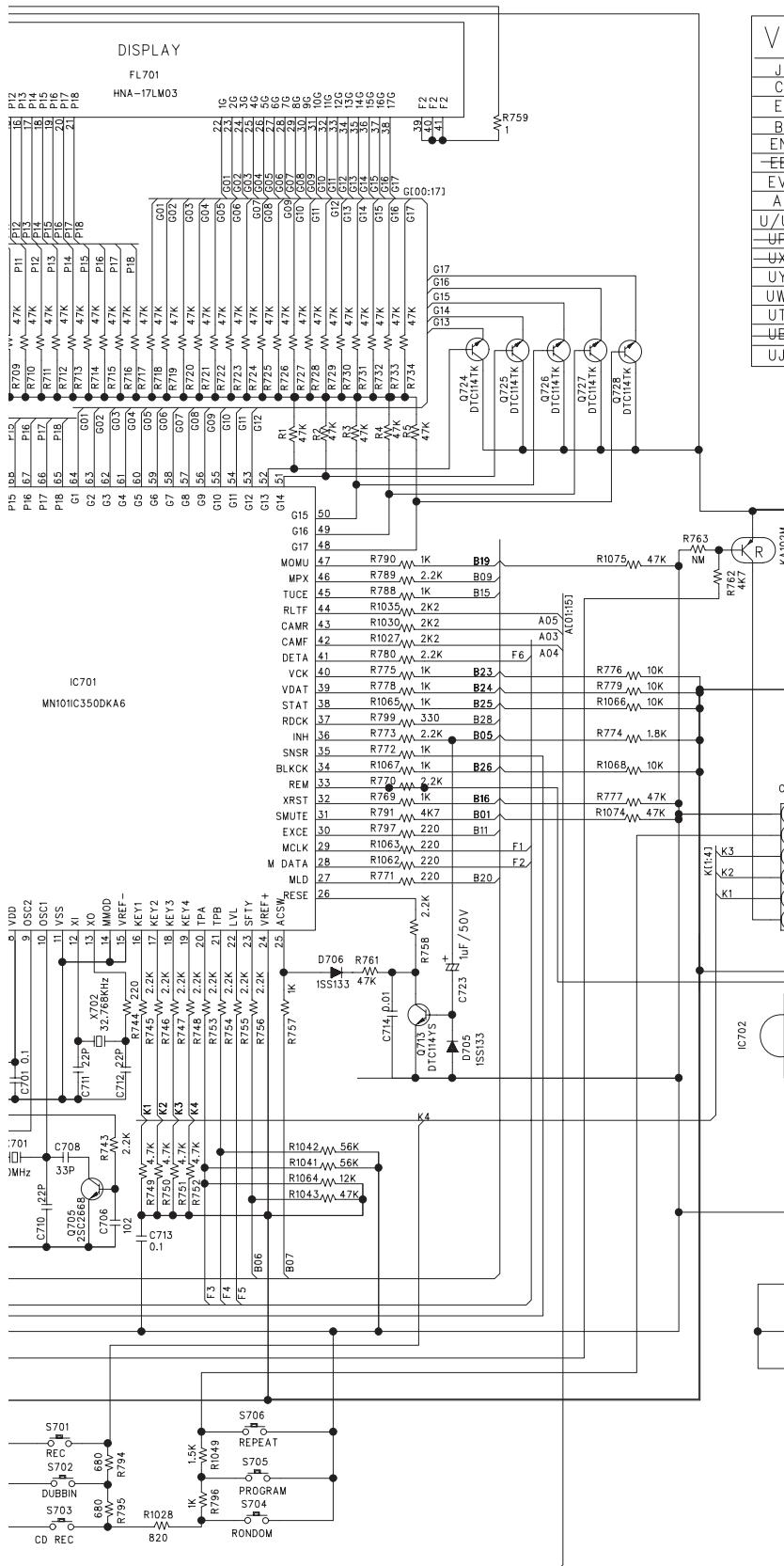
ER BLOCK



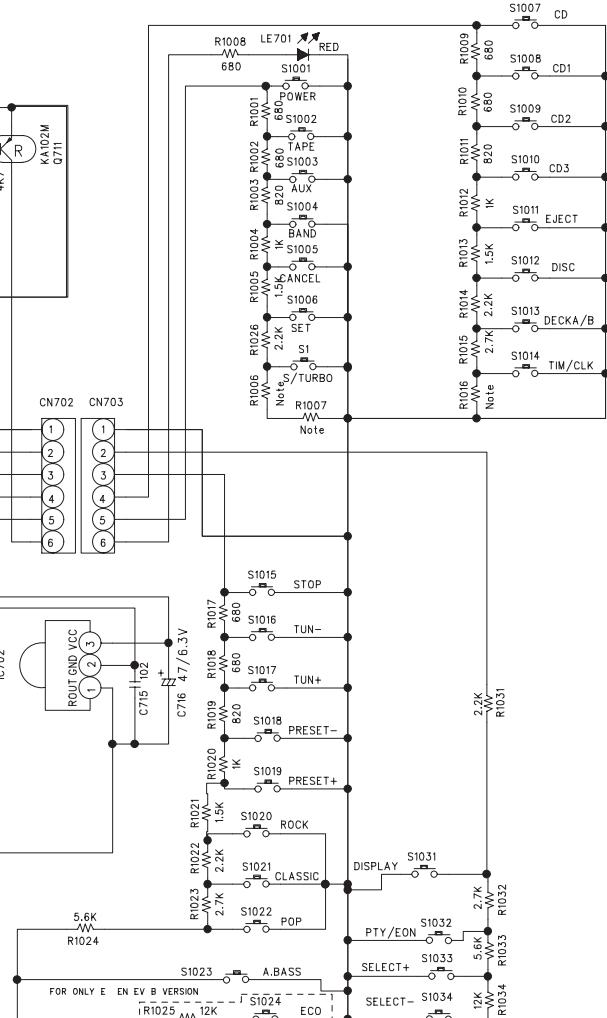
 Parts are safety assurance parts.
When replacing those parts make
sure to use the specified one.

■ FL Display and CPU Control

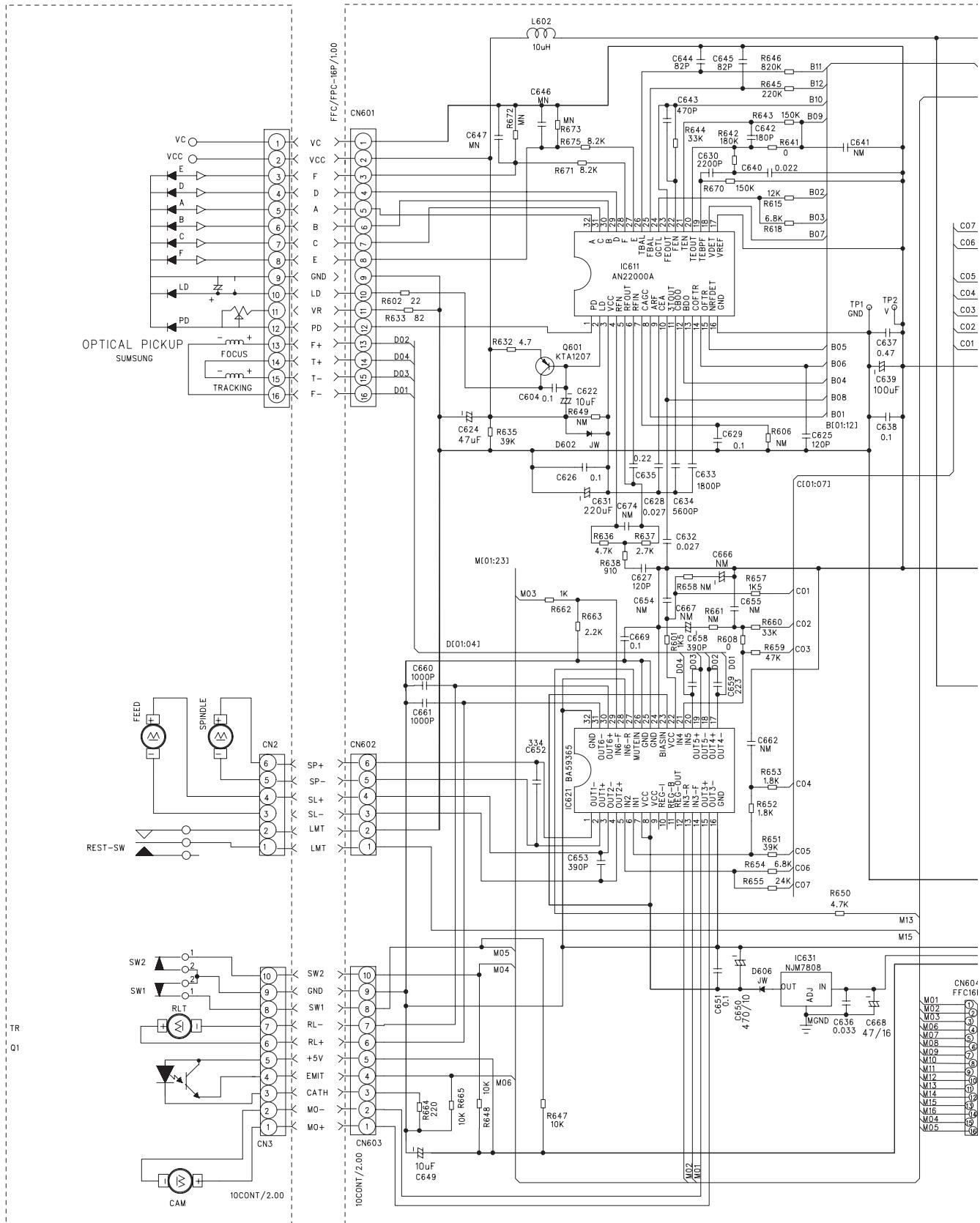


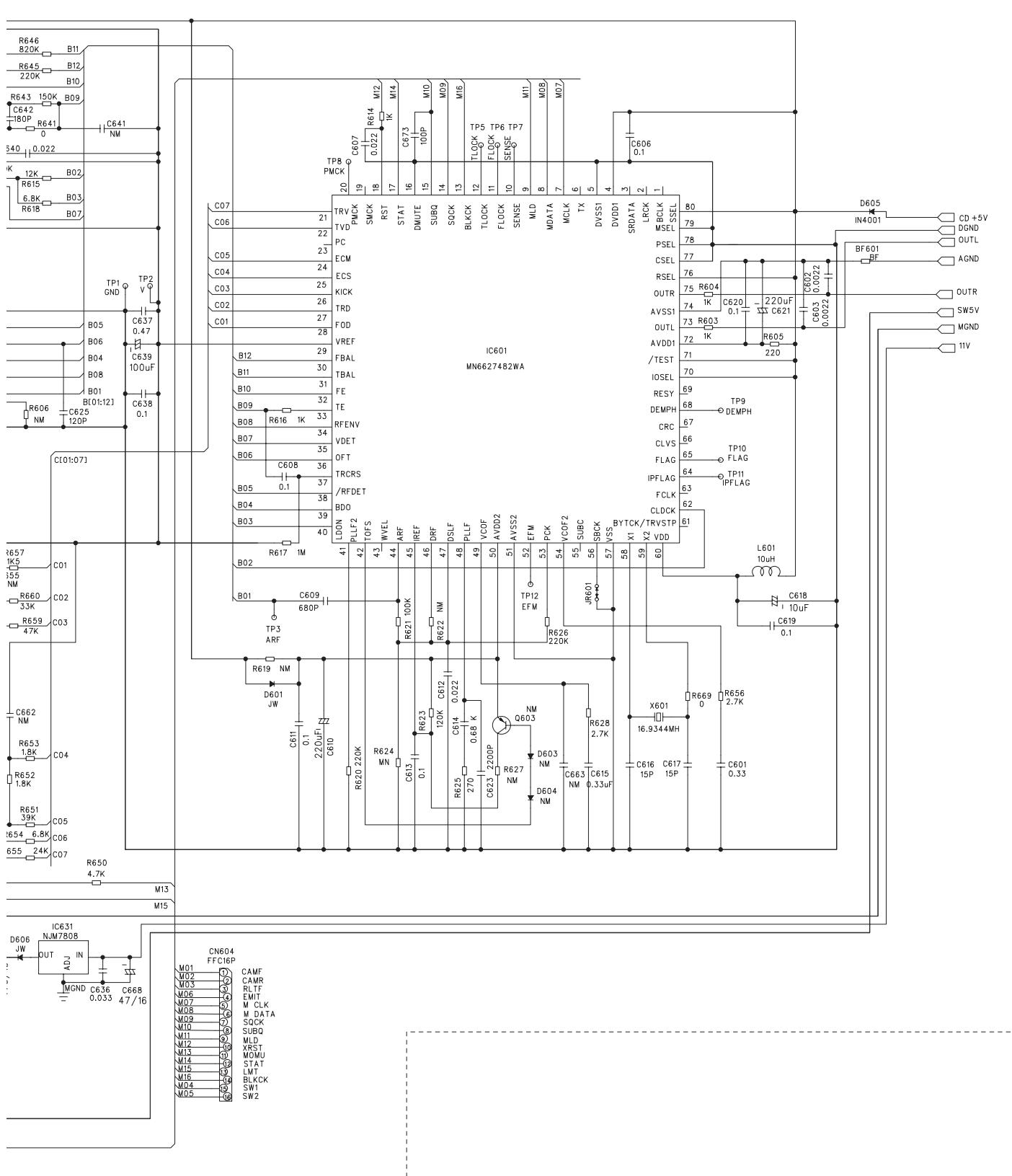


| VERSION | SETTING | | | ECO MODE | |
|-----------------|---------|-------|-------|----------|-------|
| | R1006 | R1007 | R1016 | JP701 | R726 |
| J USA | NIL | NIL | NIL | YES | NIL |
| C CANADA | NIL | NIL | NIL | YES | NIL |
| E EUROPE | 18K | 2K2 | 18K | NIL | 10K |
| B UK | 18K | 2K2 | 18K | NIL | 10K |
| EN NORDIC | 18K | 2K2 | 18K | NIL | 10K |
| EE RUSSIA | 6.8K | 820 | 18K | NIL | 10K |
| EV EASTEUROPE | 18K | 2K2 | 18K | NIL | 10K |
| A Austrari | 8K2 | 0 | NIL | NIL | (10K) |
| U/US Singapore | 18K | 2K2 | 5K6 | YES | NIL |
| UP Korea | 12K | 1.5K | 18K | YES | (10K) |
| UX SaudiArabia | NIL | NIL | 5.6K | YES | (10K) |
| UY Argentina | NIL | NIL | 18K | YES | NIL |
| UW LatinAmerica | NIL | NIL | 18K | YES | NIL |
| UT TaiWan | 18K | 2K2 | 5K6 | YES | NIL |
| UB HongKong | 4.7K | JW | NIL | YES | (10K) |
| UJ USMIL | 18K | 2K2 | 5K6 | YES | NIL |

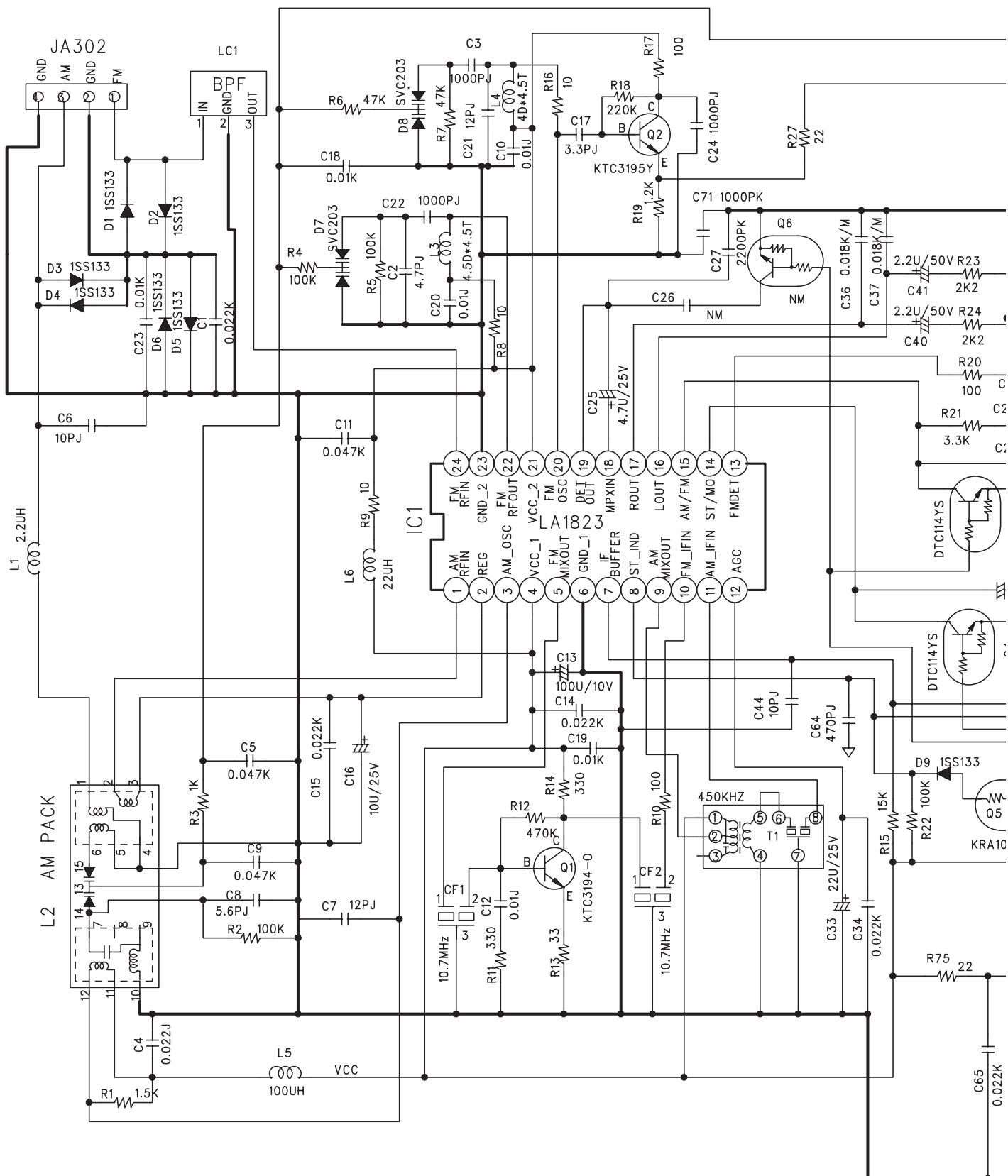


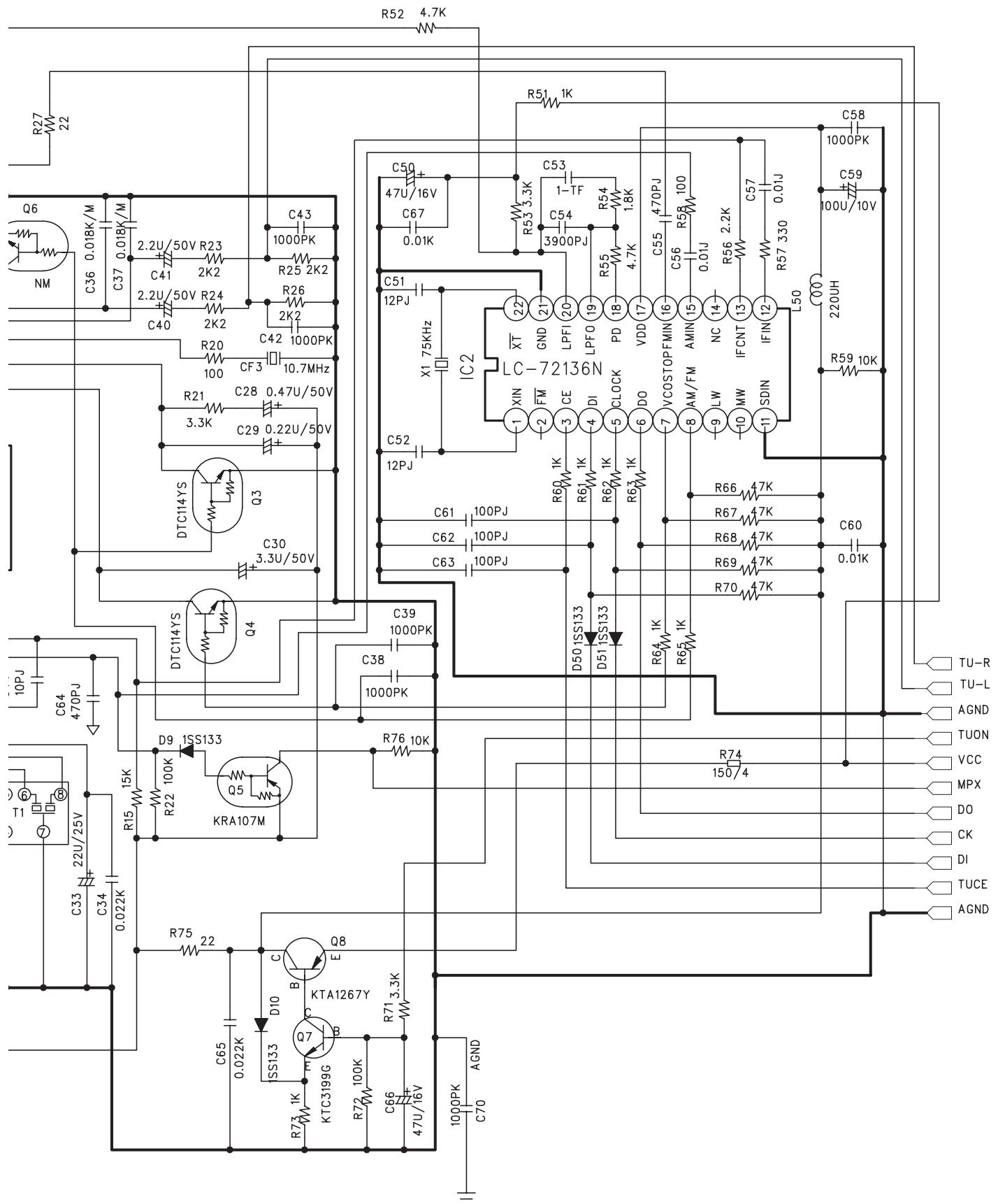
■ CD section





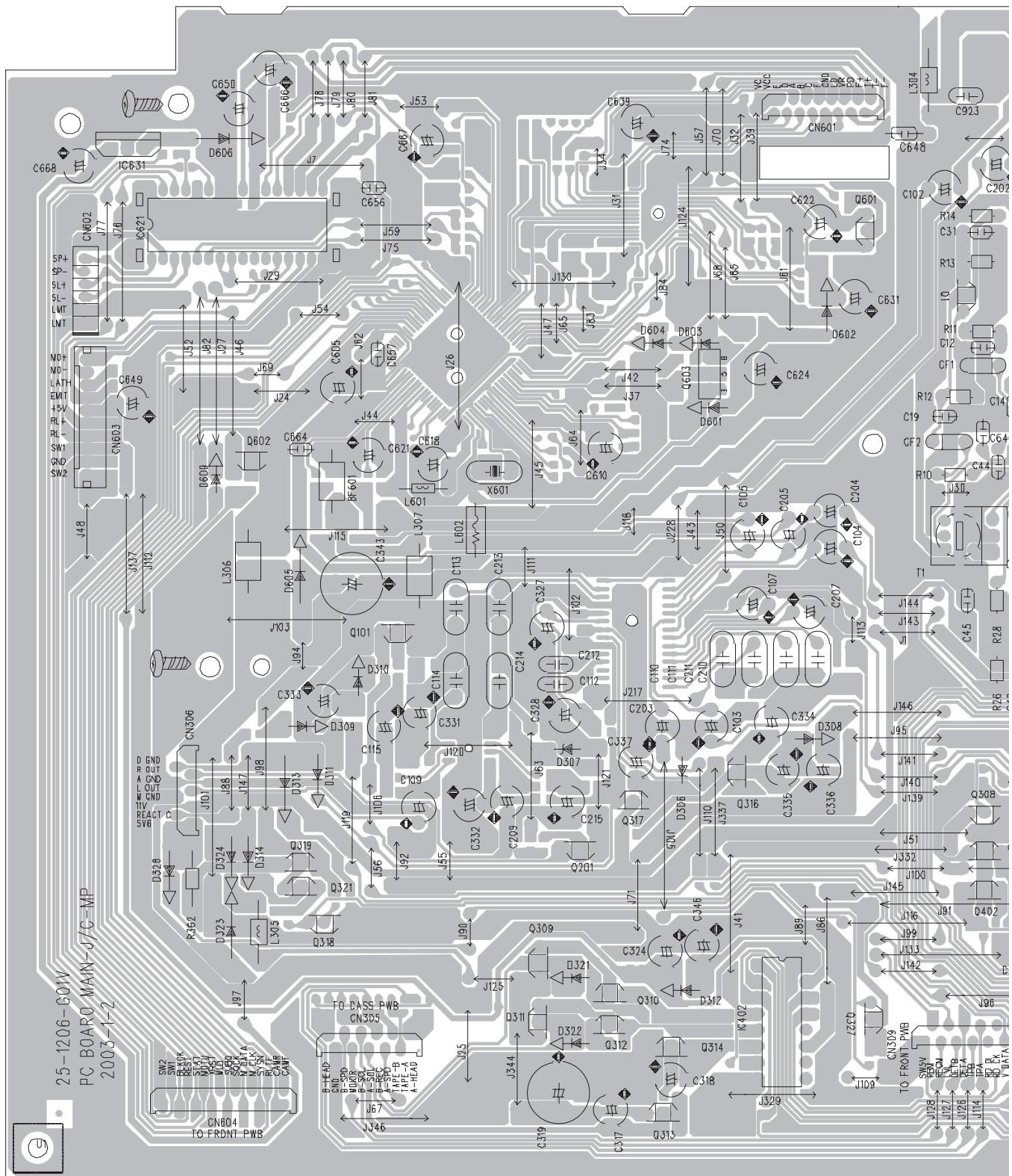
■ Tuner section

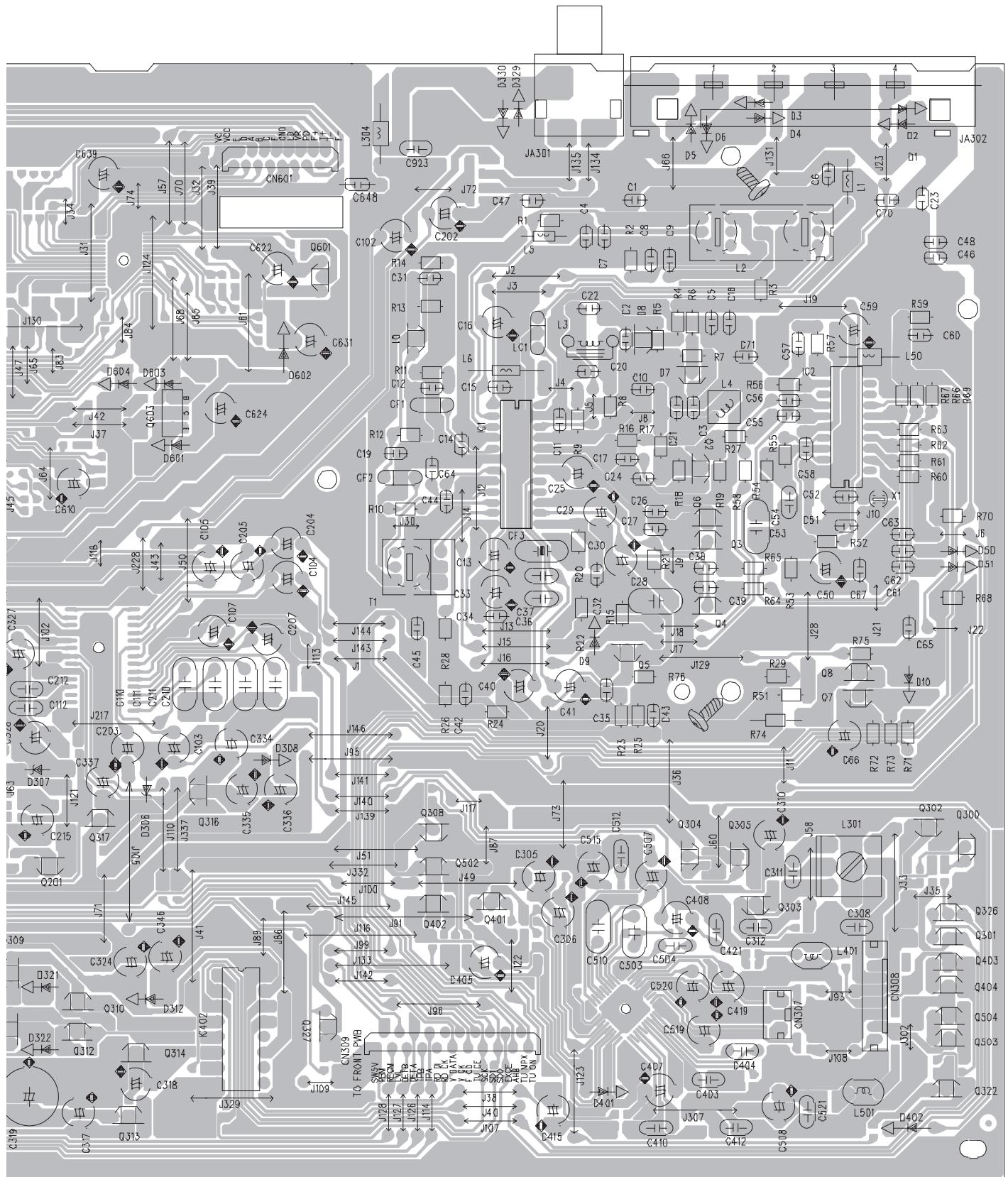




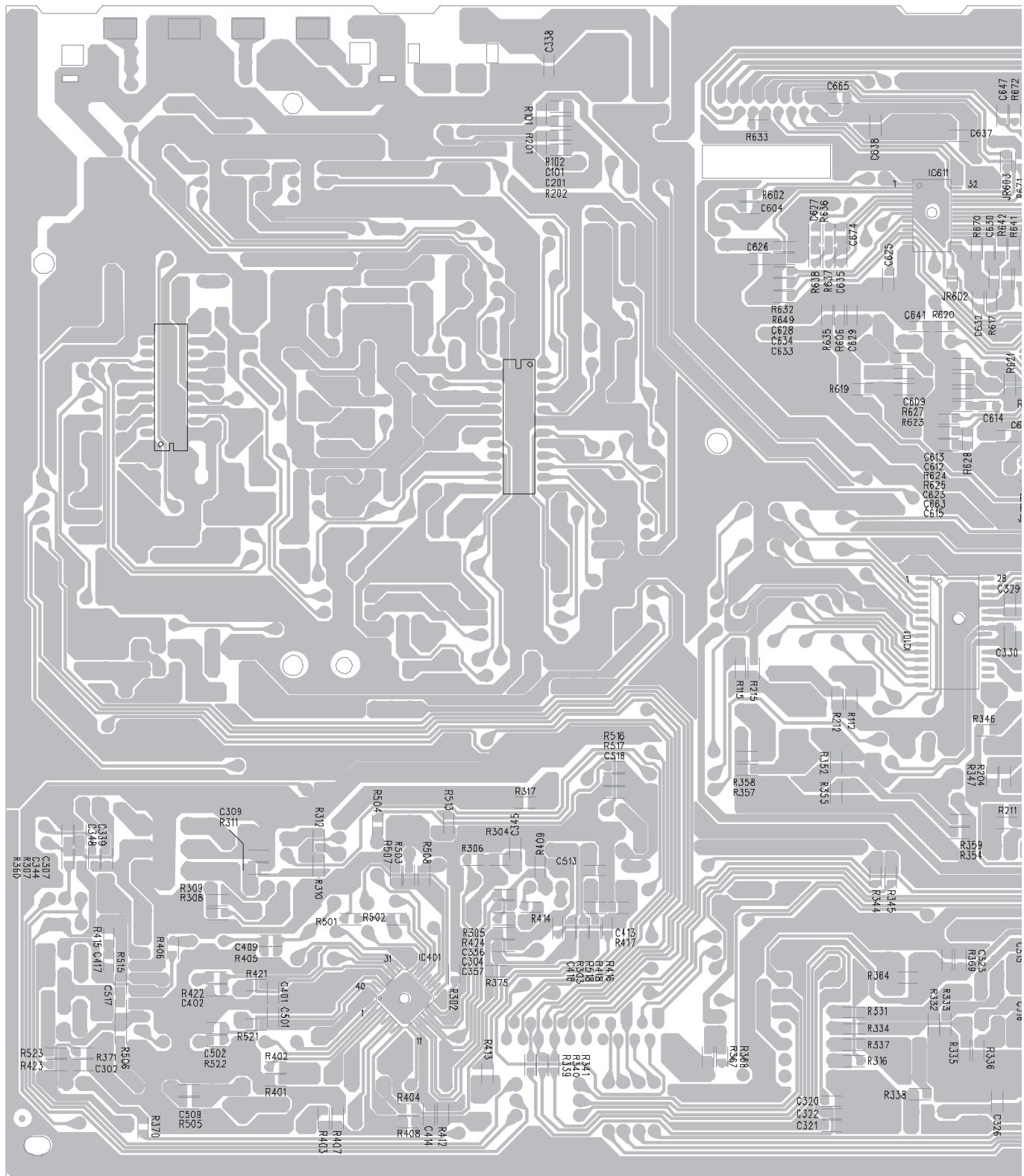
Printed circuit boards

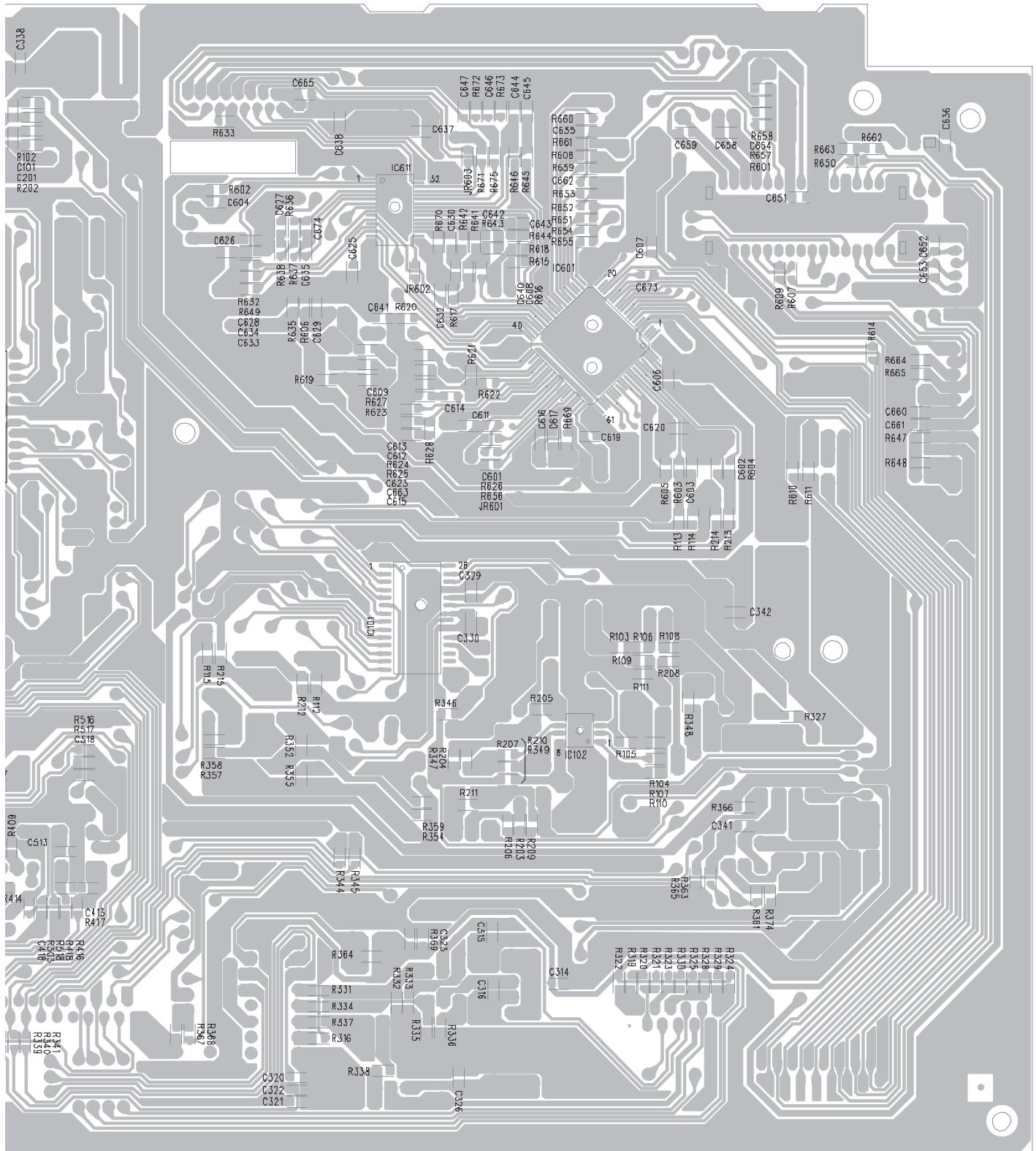
■ Main board (forward side)



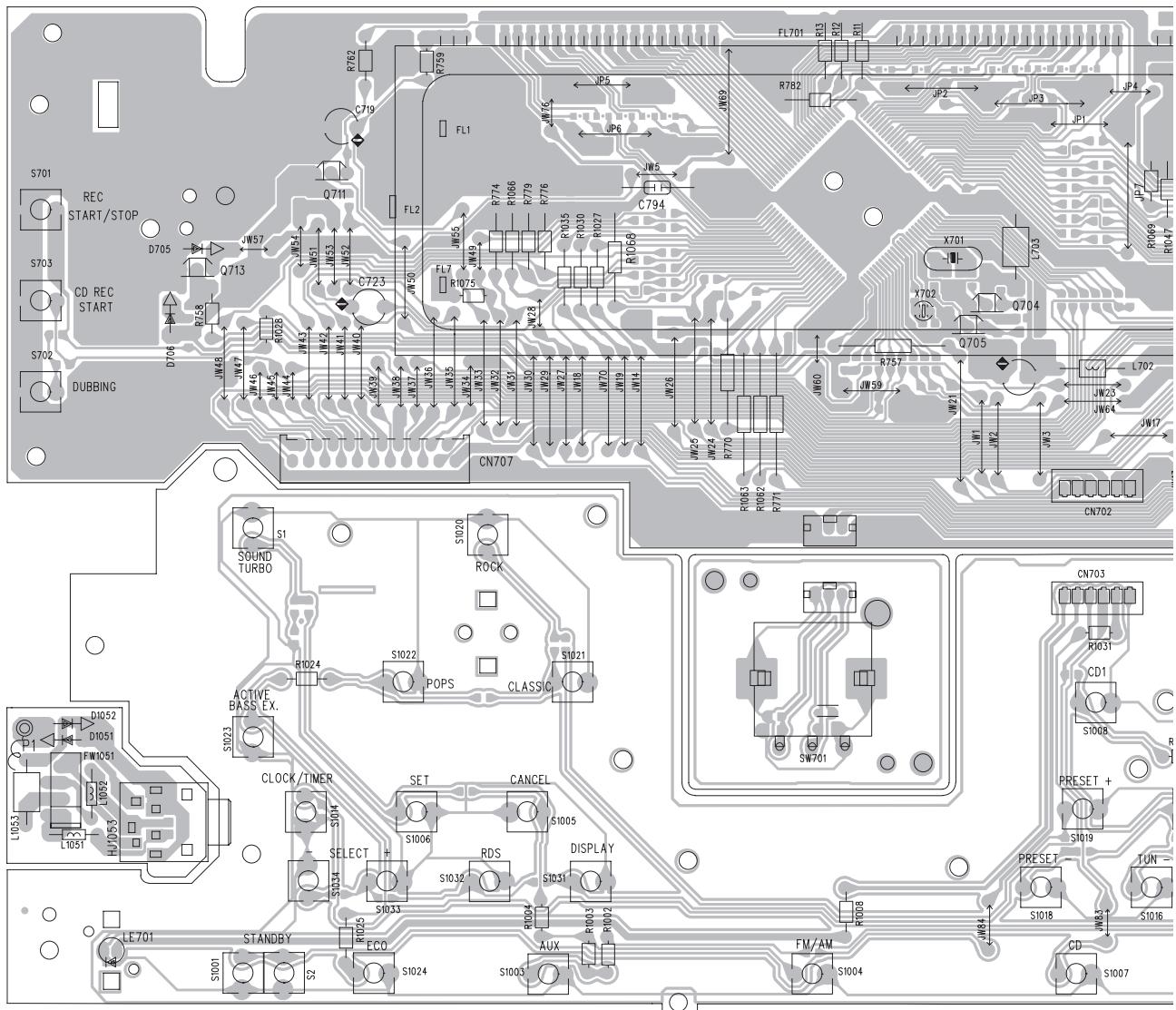


■ Main board reverse side)

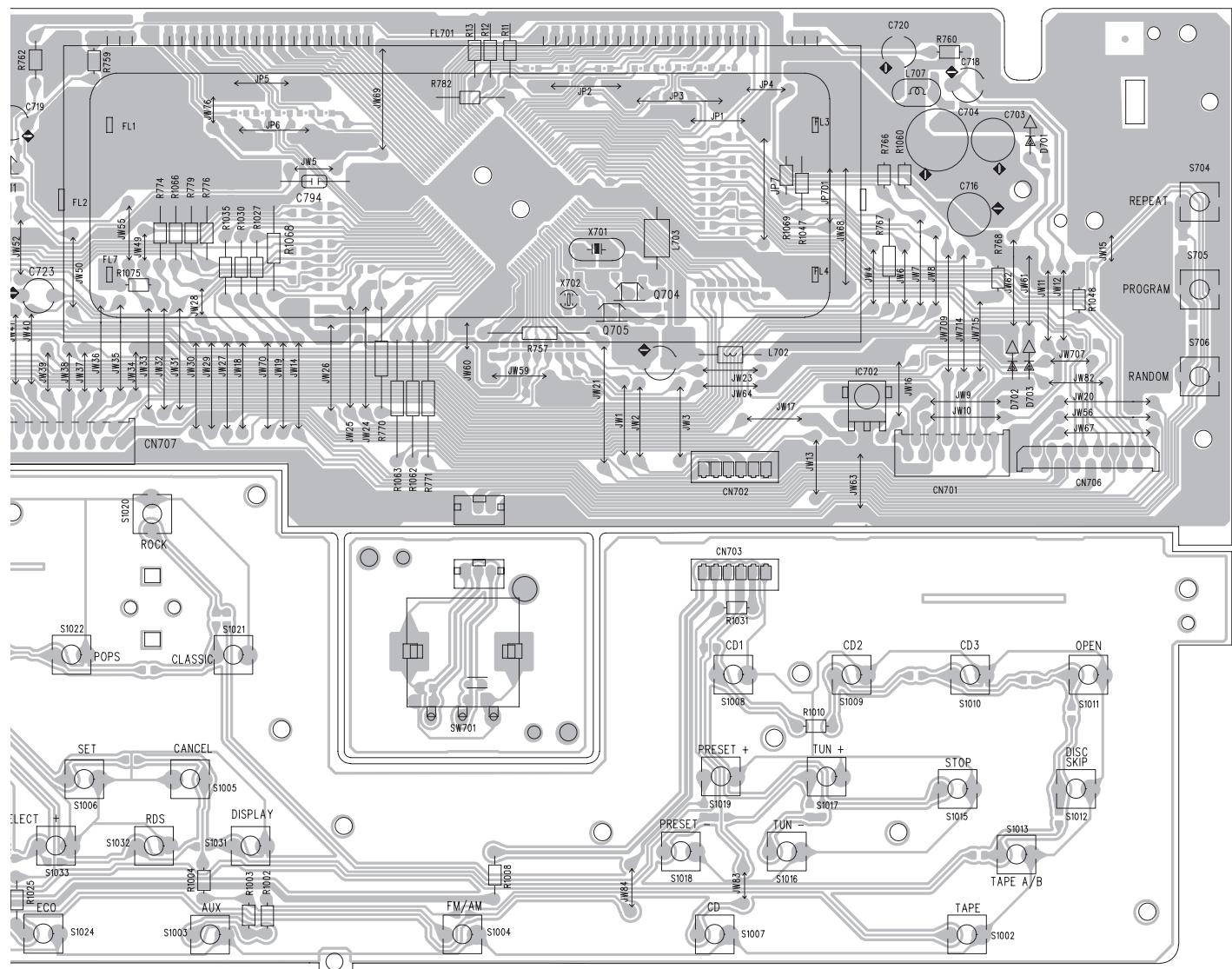




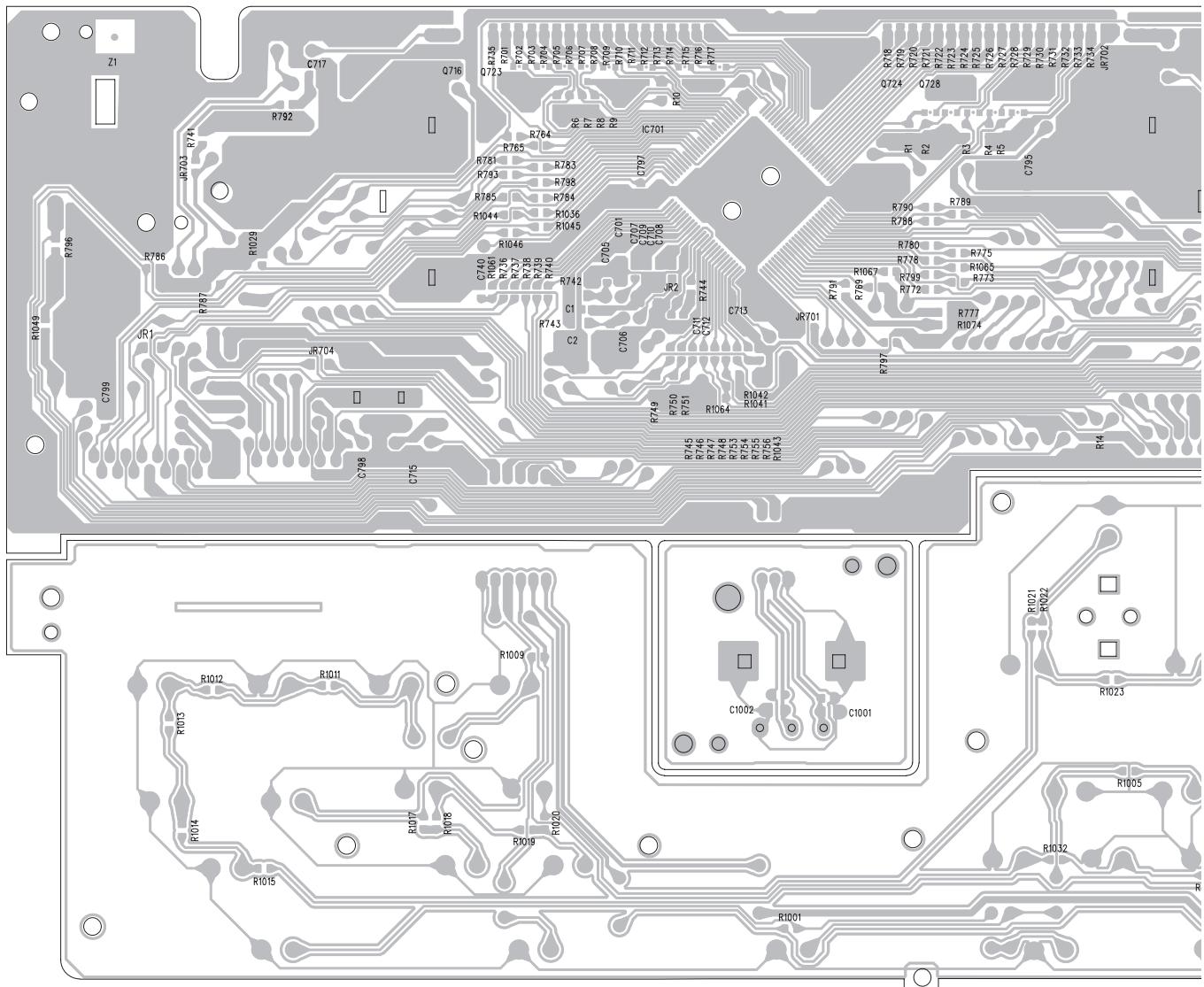
■ FL display and CPU board (forward side)



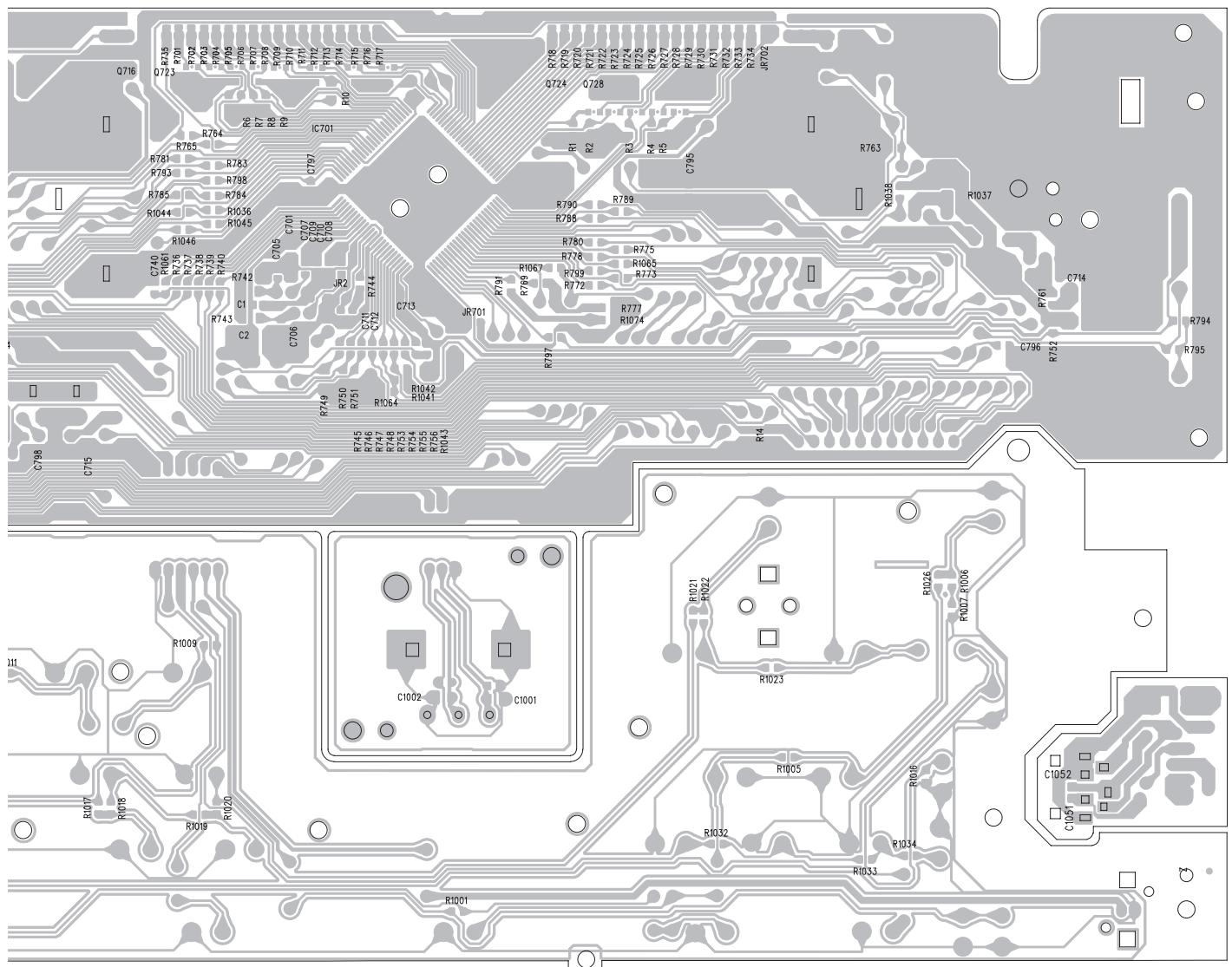
ward side)



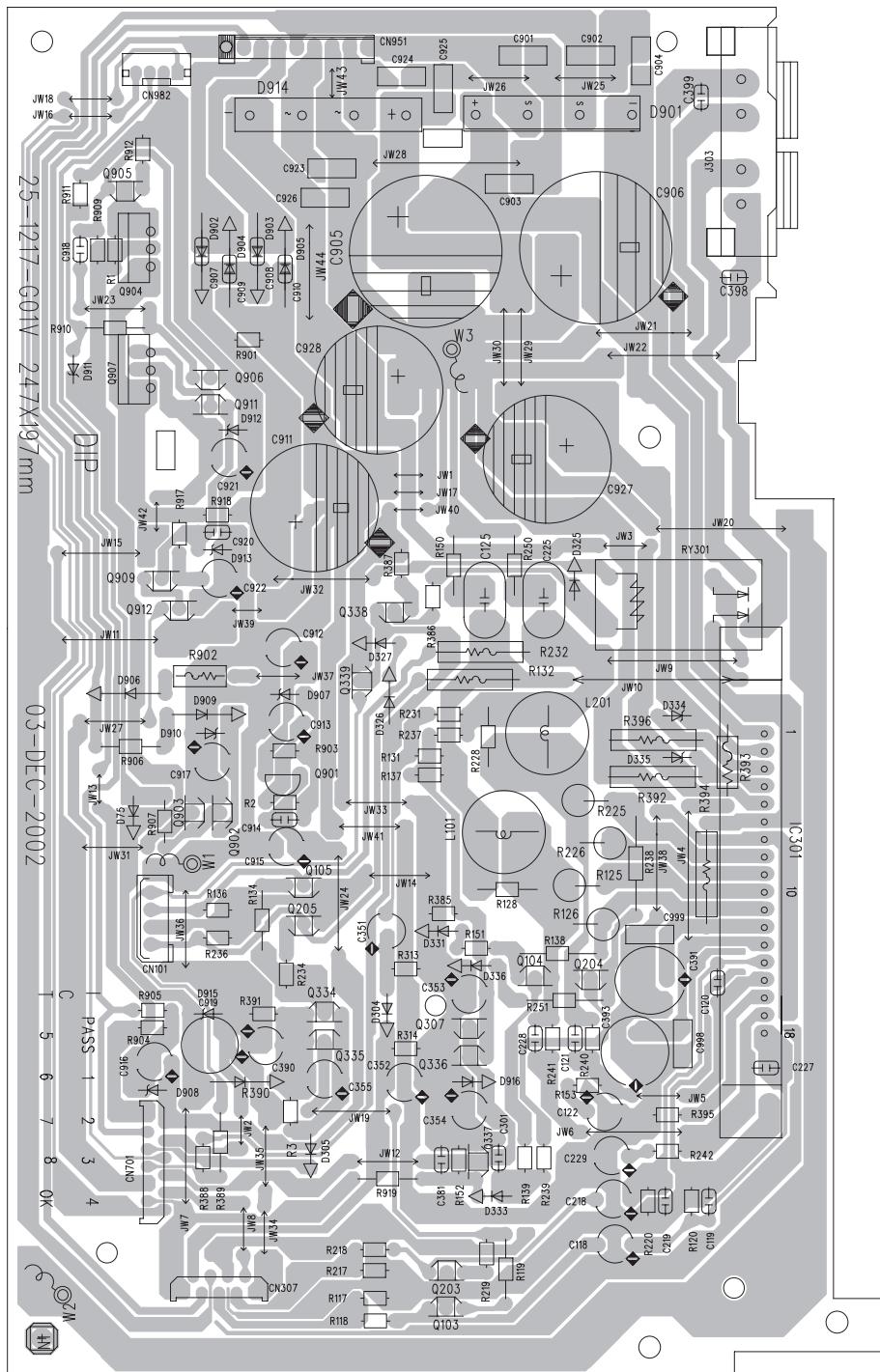
■ FL display and CPU board (reverse side)



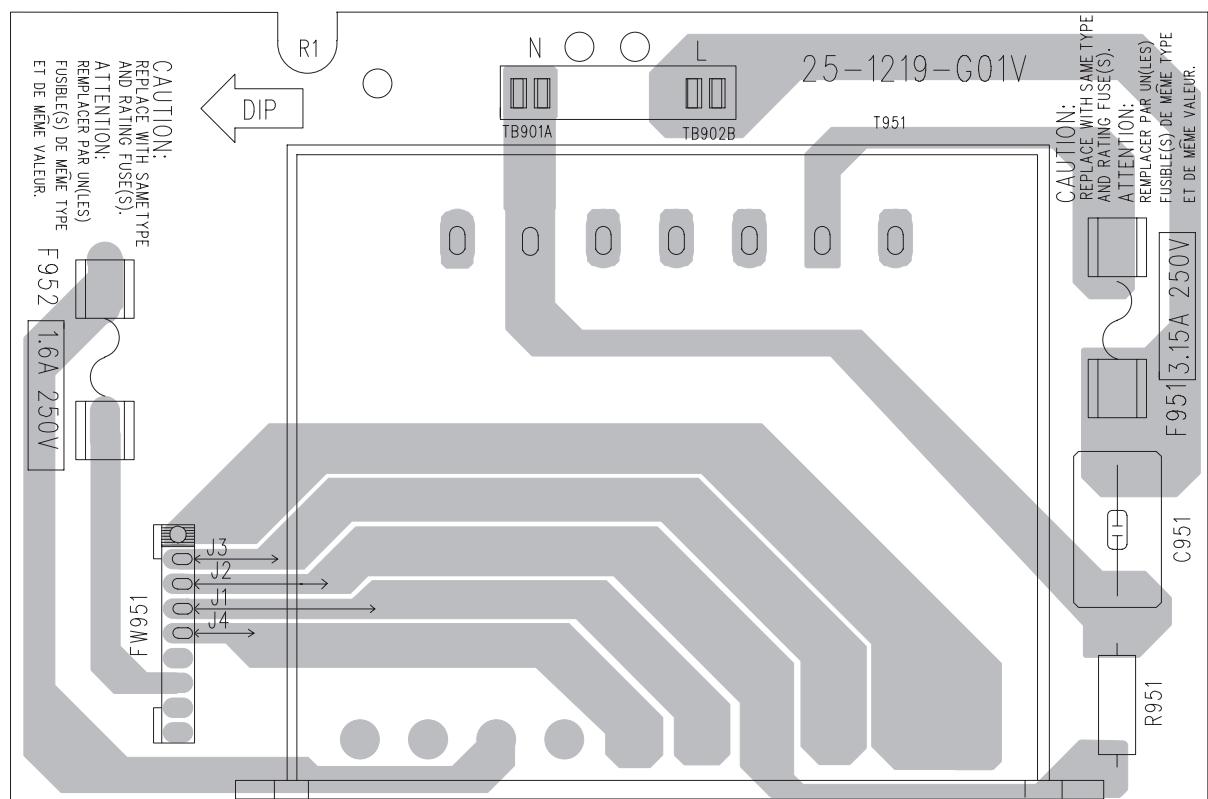
I (reverse side)



■ Power amp. board



■ Power trans board



JVC

VICTOR COMPANY OF JAPAN, LIMITED

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

(No.MB157SCH)

 Printed in Japan
WPC

PARTS LIST

[MX-KB30]

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

Area suffix

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

- Contents -

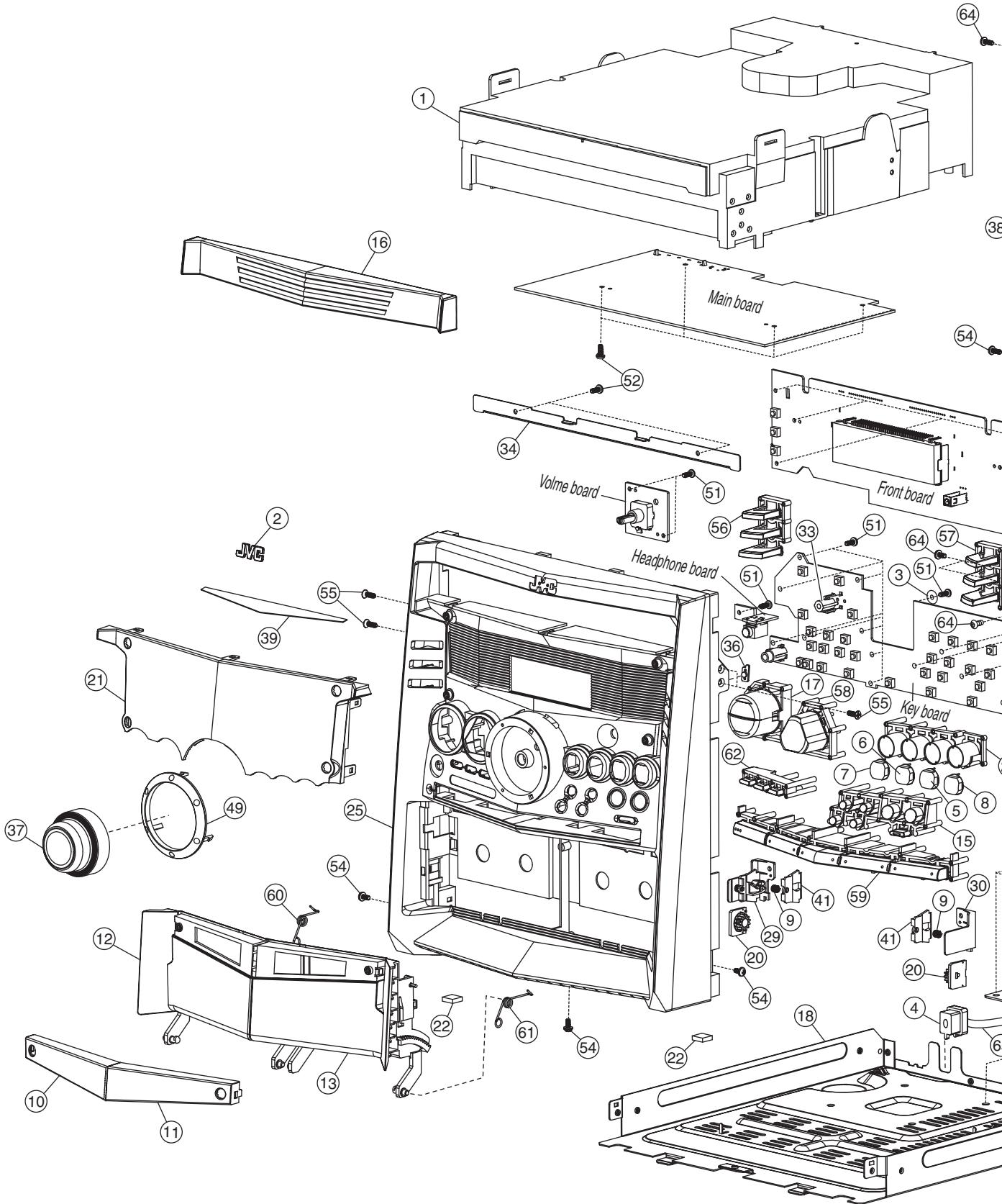
| | |
|--|------|
| Exploded view of general assembly and parts list (Block No.M1) | 3- 2 |
| CD changer mechanism assembly and parts list (Block No.MA)..... | 3- 5 |
| Cassette mechanism assembly and parts list (Block No.MP)..... | 3- 7 |
| Electrical parts list (Block No.01~05) | 3- 8 |
| Packing materials and accessories parts list (Block No.M3) | 3-12 |

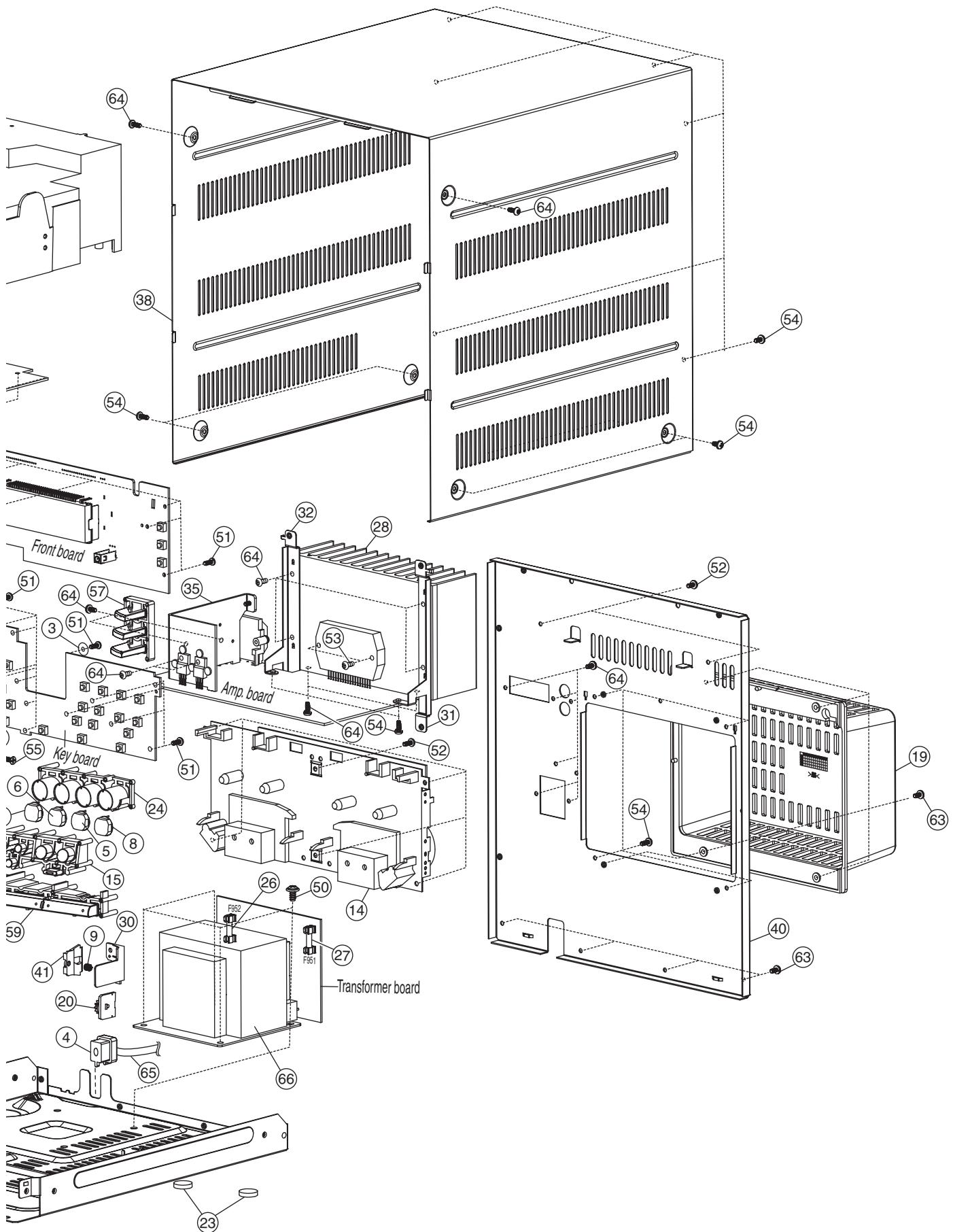
- Note-

Parts number of normal capacitors and normal resistors doesn't listed on the parts list

Exploded view of general assembly and parts list

Block No. **M 1 M M**





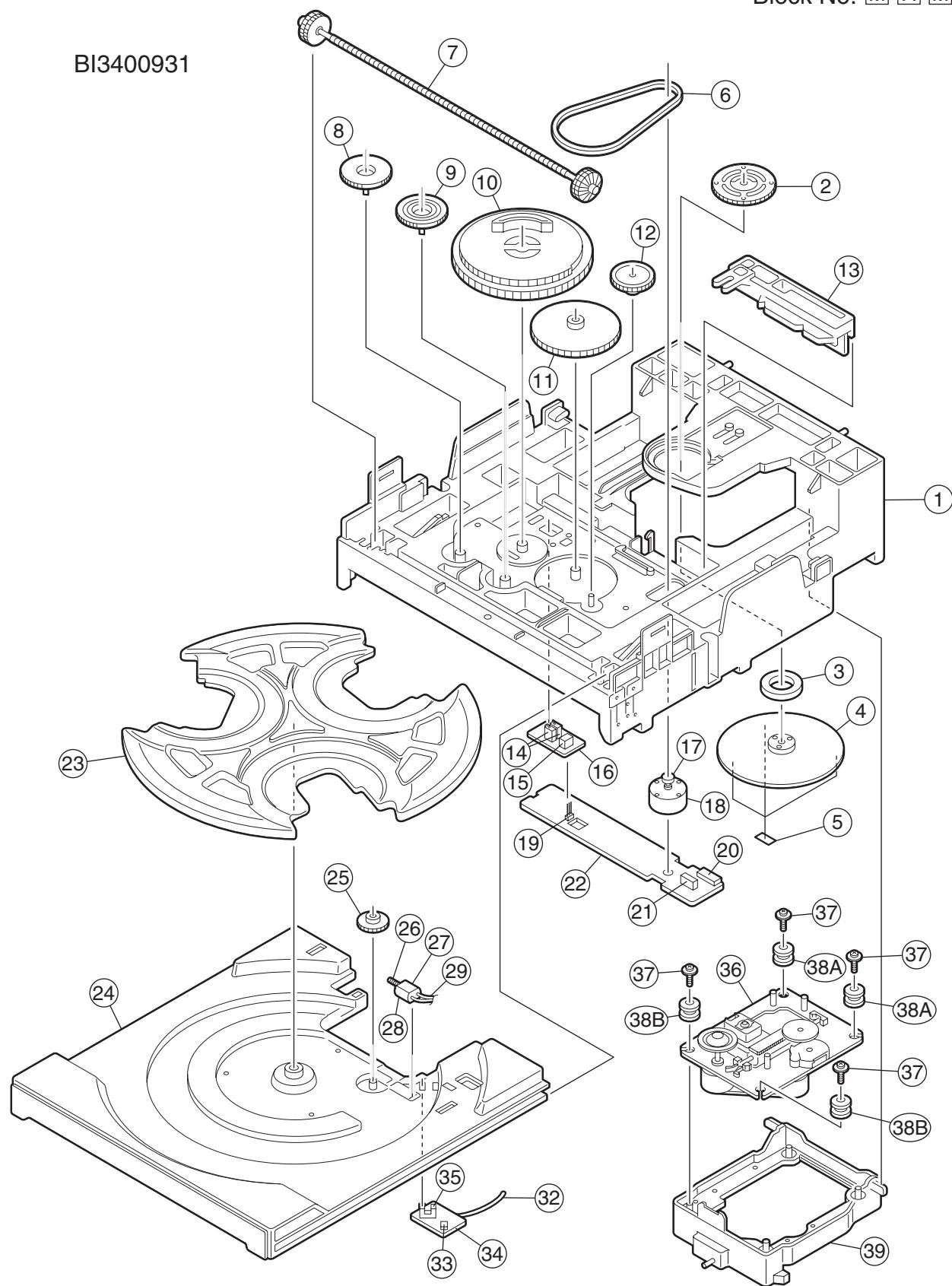
General assembly

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

| △ Symbol No. | Part No. | Part Name | Description | Local |
|--------------|-----------------|-----------------|--|-------|
| 1 | ----- | CD CHANGER MECH | | |
| 2 | BI109835010201 | BADGE JVC | | |
| 3 | BI300856010101 | WASHER | | |
| △ 4 | BI301789010101 | BUSHING | 5RF-5B | |
| 5 | BI1074751301U1 | CAP CD3 | | |
| 6 | BI1074751201U1 | CAP CD2 | | |
| 7 | BI1074751101U1 | CAP CD1 | | |
| 8 | BI1074751401U1 | CAP OPEN CLOSE | | |
| 9 | BI201789010102 | LOCK SPRING | CASSETTE(x2) | |
| 10 | BI107468010101 | CASS DOOR WIN L | | |
| 11 | BI107467010101 | CASS DOOR WIN R | | |
| 12 | BI107466010101 | CASS HOLDER L | | |
| 13 | BI107465010101 | CASS HOLDER R | | |
| 14 | ----- | CASSETTE MECHA | CMAT6Z219A | |
| 15 | BI107477010101 | CD EJECT BUTTON | | |
| 16 | BI107463010201 | CD FITTING | | |
| 17 | BI107471010101 | CD SEL BUTTON A | | |
| 18 | BI202547010201 | CHAS MAIN | | |
| 19 | BI107483010101 | HEATSINK COVER | | |
| 20 | BI301388010101 | DAMPING GEAR | (x2) | |
| 21 | BI1074640901U1 | DISPLAY WINDOW | | |
| 22 | BI103362020102 | EVA FOOT | (x2) | |
| 23 | BI301779010101 | EVA FOOT C | (x2) | |
| 24 | BI107473010101 | FRAME CD SELECT | | |
| 25 | BI107462910201 | FRONT PANEL | | |
| △ 26 | BI402991 | FUSE | F952 1.6A 250V | |
| △ 27 | BI403011 | FUSE | F951 3.15A 250V | |
| 28 | BI202556010102 | HEAT SINK | | |
| 29 | BI104143010102 | HOLDER LOCK L | | |
| 30 | BI104143010202 | HOLDER LOCK R | | |
| 31 | BI202560010101 | HOLDER R | | |
| 32 | BI202553010101 | HOLDER L | | |
| 33 | BI107480010101 | HOLDER | SOUND MODE | |
| 34 | BI202592010101 | HOLDER BRACKET | | |
| 35 | BI202555010101 | HEAT SINK AMP | | |
| 36 | BI107485010101 | INDICATOR | STANDBY | |
| 37 | BI109819030201 | KNOB VOLUME TAB | | |
| 38 | BI202548010101 | METAL COVER | | |
| 39 | BI301922010101 | MIRROR SHEET | | |
| 40 | BI2025500501U1 | REAR PANEL | | |
| 41 | BI104142010102 | PLATE LOCK 1 | (x2) | |
| 49 | BI107482010101 | RING VOLUME | | |
| 50 | BIPMW001101S3 | SCREW | 4.0XL6 METAL(x4) 2.6XL8 PLASTIC(x23) | |
| 51 | BIBT000418 | SCREW | 3.0XL10 PLASTIC(x14) | |
| 52 | BIRT000617B3 | SCREW | 3.0XL14 PLASTIC(x2) | |
| 53 | BIBT0006091 | SCREW | 3.0XL6 METAL(x19) | |
| 54 | BIRM000603S3 | SCREW | (x4) | |
| 55 | BIKT000627 | SCREW | SELECT BUTTON L | |
| 56 | BI107470010101 | SELECT BUTTON R | | |
| 57 | BI107469010101 | BUTTON | SOUND MODE | |
| 58 | BI107472010201 | SOURCE BUTTON A | | |
| 59 | BI107478010101 | SPRING L | | |
| 60 | BI202566010101 | SPRING R | | |
| 61 | BI202565010101 | SUB BUTTON SET | | |
| 62 | BI107476010101 | BIRM000604S3 | RH/TS 3XL8(x8) | |
| 63 | BIRT000611B3 | SCREW | RH/TS 3XL8(x18) | |
| 64 | BI1400864 | POWER CORD | UL/CSA | |
| △ 65 | BI211041004001W | TRANSFORMER | T951 UL/CSA | |
| △ 66 | | | | |

CD changer mechanism assembly and parts list

Block No. **M A M M**



CD changer mechanism

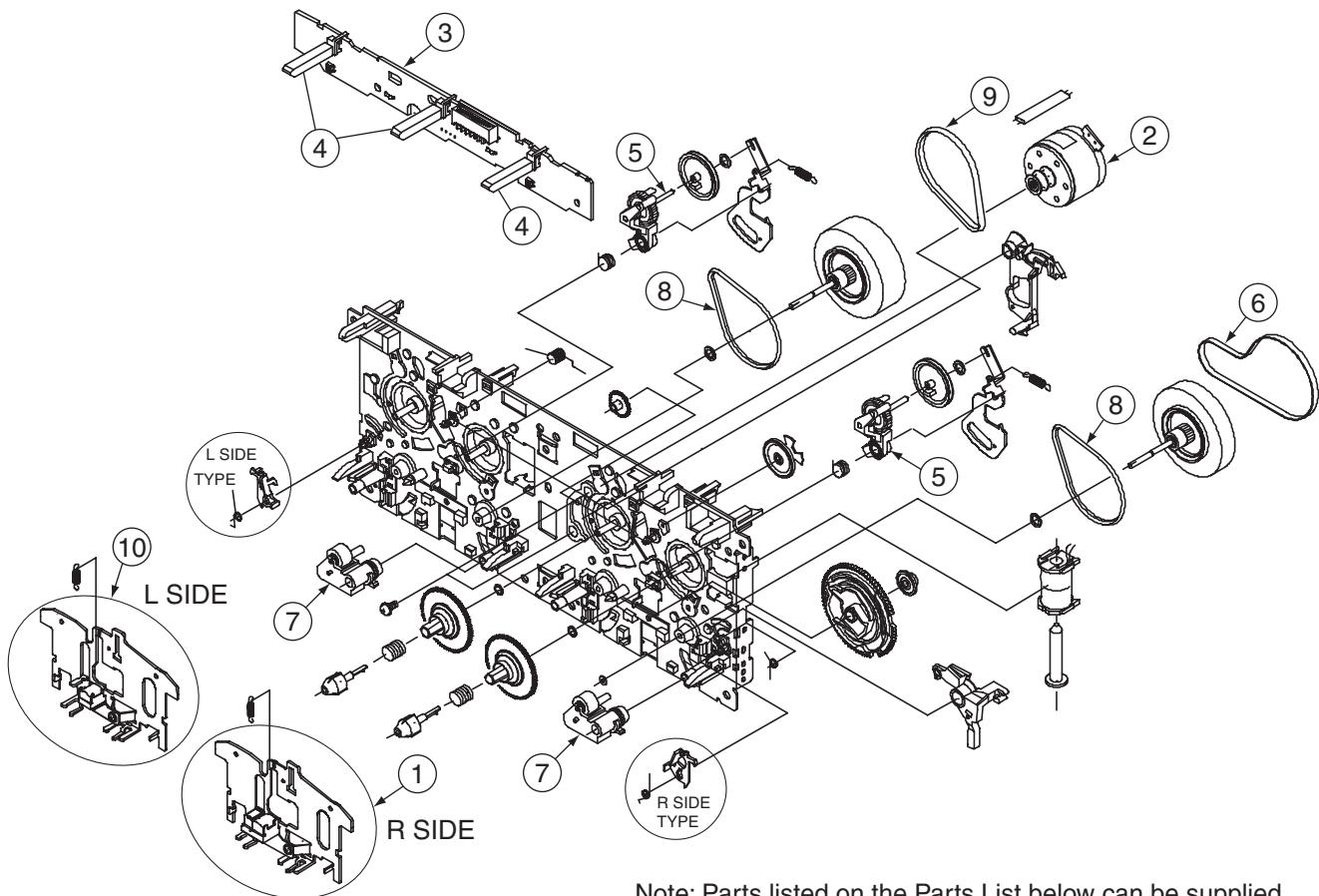
Block No. [M][A][M][M]

| △ Symbol No. | Part No. | Part Name | Description | Local |
|--------------|--------------|---------------------|-------------|-------|
| 1 | BIAJ7200601J | BASE-MAIN | 1X1 | |
| 2 | BIAJ6100601P | BRKT-CHUCK | | |
| 3 | BI3302000158 | MAGNET-FERRITE | | |
| 4 | BIAJ7200601L | TABLE-CHUCK | 1X4 | |
| 5 | BIAJ6300601A | SHEET-CHUCK | (x3) | |
| 6 | BIAJ7300601B | BELT-LOAD | | |
| 7 | BIAJ6600601N | GEAR-SYNCRO | 1X2 | |
| 8 | BIAJ6600601L | GEAR-CONVERT | 1X4 | |
| 9 | BIAJ6600601M | GEAR-TRAY | 1X4 | |
| 10 | BIAJ6600601R | GEAR-CAM | 1X2 | |
| 11 | BIAJ6600601K | GEAR-LOAD | 1X4 | |
| 12 | BIAJ6600601J | GEAR-PULLEY | 1X4 | |
| 13 | BIAJ7200601N | SLIDER-CAM | 1X4 | |
| 14 | BI3405000101 | SWITCH-MICRO | (x2) | |
| 15 | BI3711003379 | CONNECTOR- HEADE | | |
| 16 | BIAJ4100601K | PCB-SW | | |
| 17 | BIAJ6100601K | PULLEY-MOTOR | 1X4 | |
| 18 | BIAJ3100601F | MOTOR-DC | | |
| 19 | BI3710001248 | CONNECTOR-SOCE | | |
| 20 | BI3711003692 | CONNECTOR- HEADE | | |
| 21 | BI3708001163 | CONNECTOR-FPC | | |
| 22 | BIAJ4100601L | PCB-MECHA | | |
| 23 | BIAJ7200601P | TRAY-ROULETTE | 1X2 | |
| 24 | BIAJ7200601Q | TRAY-DISC | 1X2 | |
| 25 | BIAJ6600601Q | GEAR-ROULETTE | 1X4 | |
| 26 | BIAJ6600601P | GEAR-WORM | 1X2 | |
| 27 | BIAJ3100601K | MOTOR-LOADING | | |
| 28 | BIAJ6300601B | SHEET-MOTOR | | |
| 29 | BIAJ3900601A | WIRE-ROULETTE | | |
| 32 | BIAJ3900601B | WIRE-TRAY | | |
| 33 | BI3711000003 | CONNECTOR- HEADE | | |
| 34 | BIAJ4100601J | PCB-SENSOR | | |
| 35 | BIAJ3200601A | SENSOR-ROULETTE | | |
| 36 | BIAJ9050605F | CMS-B31NG6U | | |
| 37 | BIAJ6000601F | SCREW | (x4) | |
| 38A | BIAJ7300601F | RUBBER-B31Y | (x2) | |
| 38B | BIAJ7300601D | RUBBER-B31 | (x2) | |
| 39 | BIAJ7200602F | LEVER-LIFTER | 1X2 | |

Cassette mechanism assembly and parts list

Block No. **M P M M**

CMAT6Z219A



Note: Parts listed on the Parts List below can be supplied. However, parts that are not listed below cannot be supplied individually but only by purchasing the whole Cassette Mechanism Assembly Unit. (When ordering, use the Parts No. CMAT6Z219A for Cassette Mechanism Assembly Unit.)

Cassette mechanism

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

| △ Symbol No. | Part No. | Part Name | Description | Local |
|--------------|-------------|-----------------|-------------|-------|
| 1 | BIFF513-858 | PLATE HD BLK | | |
| 2 | BIFF525-346 | MTR MAIN BLK | | |
| 3 | BIFF567-843 | PCB CONTROL BLK | | |
| 4 | BIUE20P-12 | LEAF SWITCH | (x3) | |
| 5 | BIFF522-063 | CLUTCH ASY BLK | (x2) | |
| 6 | BIFF19N-31 | MAIN BELT | | |
| 7 | BIFF14-35 | ROLLIER PINCH B | (x2) | |
| 8 | BIFF19S-31 | F/R BELT MO | (x2) | |
| 9 | BIFF19N-22 | MAIN BELT | | |
| 10 | BIFF513-855 | PLATE HD BLK | | |

Electrical parts list

Main board

| △ Symbol No. | Part No. | Part Name | Description | Local | △ Symbol No. | Part No. | Part Name | Description | Local |
|------------------------|-----------------|----------------|------------------|-------|--------------|-----------------|-----------------|-----------------|-------|
| Block No. [0][1][0][0] | | | | | | | | | |
| IC1 | LA1823 | IC | BI113251 | | D328 | 1SS133 | FR DIODE | BI31SS133M0007 | |
| IC2 | LC72136N | IC | BI113271 | | D329 | 1SS133 | FR DIODE | BI31SS133M0007 | |
| IC101 | TDA7440D | IC | BI113231 | | D330 | 1SS133 | FR DIODE | BI31SS133M0007 | |
| IC102 | BA15218F | IC | BI113241 | | D401 | 1SS133 | FR DIODE | BI31SS133M0007 | |
| IC401 | HA12237 | IC | BI115011 | | D402 | 1SS133 | FR DIODE | BI31SS133M0007 | |
| IC402 | M74HC4094B | IC | BI114371 | | D605 | 1N4001 | FR DIODE | BI31N40011 | |
| IC601 | MN6627482WA | IC | BI114621 | | R601 | BIRC1520165A005 | CHIP JUMPER | 0 | |
| IC611 | AN22000A | IC | BI113161 | | R607 | BIRC0000165A005 | JUMPER | 0 | |
| IC621 | BA5936S | IC | BI113141 | | R608 | BIRC0000165A005 | JUMPER | 0 | |
| IC631 | NJM7808FA | IC | BI110061 | | R609 | BIRC0000165A005 | JUMPER | 0 | |
| Q1 | KTC3194 | TRANSISTOR | BI2KTC3194P0008 | | R641 | BIRC0000165A005 | JUMPER | 0 | |
| Q2 | KTC3195 | TRANSISTOR | BI2KTC3195Y0000 | | R669 | BIRC0000165A005 | JUMPER | 0 | |
| Q3 | DTC114YS | TRANSISTOR | BI2DTC114YSP002 | | L1 | BICH473500KM019 | CAP | 0.047uH | |
| Q4 | DTC114YS | TRANSISTOR | BI2DTC114YSP002 | | L2 | BI605082 | AM PACK COIL | 7RBW | |
| Q5 | KRA107 | TRANSISTOR | BI2KRA107MP0008 | | L3 | BI7A0170 | FM COIL | | |
| Q7 | KTC3199GR | TRANSISTOR | BI2KTC3199GP000 | | L4 | BI7A0171 | FM COIL | | |
| Q8 | KTA1267GR | TRANSISTOR | BI2KTA1267GP000 | | L5 | BI26101000KM002 | FIXED INDUCTOR | 100uH | |
| Q101 | KTC3199GR | TRANSISTOR | BI2KTC3199GP000 | | L6 | BI26220000KM002 | FIXED INDUCTOR | 22uH | |
| Q201 | KTC3199GR | TRANSISTOR | BI2KTC3199GP000 | | L50 | BI26221000KM002 | FIXED INDUCTOR | 220uH | |
| Q302 | KTC3200GR | TRANSISTOR | BI2KTC3200P0008 | | L301 | BI605071 | BIAS-COIL | 864306 | |
| Q303 | KTC3203Y | TRANSISTOR | BI2KTC3203YP000 | | L304 | BI18A843556N000 | FILTER BEAD | 843556 TB36 | |
| Q304 | KTA1267GR | TRANSISTOR | BI2KTA1267GP000 | | L306 | BI18A843556N000 | FILTER BEAD | 843556 TB36 | |
| Q305 | DTC144ES | TRANSISTOR | BI2DTC144ESP002 | | L307 | BI18A843556N000 | FILTER BEAD | 843556 TB36 | |
| Q308 | DTC144ES | TRANSISTOR | BI2DTC144ESP002 | | L601 | BI26100000KM002 | COIL | 10uH | |
| Q309 | KTA1273 | TRANSISTOR | BI2KTA1273P0008 | | L602 | BI26100000KM000 | FIXED INDUCTOR | 10uH | |
| Q310 | KTC3199GR | TRANSISTOR | BI2KTC3199GP000 | | T1 | BI2901541 | CO. FILTER | AC009 450KHz | |
| Q311 | KTA1273 | TRANSISTOR | BI2KTA1273P0008 | | BF601 | BI18A843556N000 | FILTER BEAD | 843556 TB36 | |
| Q312 | KTC3199GR | TRANSISTOR | BI2KTC3199GP000 | | CF1 | BI29LT10.7MP015 | CER.FILTER | 10.7MHz | |
| Q313 | KTA1273 | TRANSISTOR | BI2KTA1273P0008 | | CF2 | BI29LT10.7MP015 | CER.FILTER | 10.7MHz | |
| Q314 | DTC114YS | TRANSISTOR | BI2DTC114YSP002 | | CF3 | BI29JT10.7MP015 | C FILTER | 10.7MHz | |
| Q316 | KTC3199GR | TRANSISTOR | BI2KTC3199GP000 | | CN305 | BI12S110023U | FFC CONNECTOR | 11P V 1.25mm | |
| Q317 | KTC3199GR | TRANSISTOR | BI2KTC3199GP000 | | CN306 | BI12S90024U | CONNECTOR | 9P V 1.25mm | |
| Q318 | DTC114YS | TRANSISTOR | BI2DTC114YSP002 | | CN307 | BI12S30039 | CONNECTOR | 3P 2.0mm | |
| Q319 | KA1270 | TRANSISTOR | BI2KTA1270YP000 | | CN308 | BI12S80024 | CONNECTOR | 8P 2.0mm | |
| Q321 | DTC114YS | TRANSISTOR | BI2DTC114YSP002 | | CN309 | BI12S210004 | FFC CONNECTOR | 21P V 1.25mm | |
| Q322 | KRA107M | TRANSISTOR | BI2KRA107MP0008 | | CN601 | BI12S160031 | FFC CONNECTOR | 16P 1.0mm | |
| Q327 | KTA1267GR | TRANSISTOR | BI2KTA1267GP000 | | CN602 | BI12P601421U | CONN. WIRE | 6P 120mm | |
| Q401 | KTA1267GR | TRANSISTOR | BI2KTA1267GP000 | | CN603 | BI12P1000351U | CONN. WIRE | 10P 160mm | |
| Q402 | 2SD2144S | TRANSISTOR | BI2SD2144SVP002 | | CN604 | BI12S160033U | FFC CONNECTOR | 16P V 1.25mm | |
| Q403 | KTC3199GR | TRANSISTOR | BI2KTC3199GP000 | | JA301 | BI2301181 | RCA W/R JACK | RCA-213D2 | |
| Q404 | KTC3199GR | TRANSISTOR | BI2KTC3199GP000 | | JA302 | BI2301201 | TERMINAL ANT 4P | PST-404 | |
| Q502 | 2SD2144S | TRANSISTOR | BI2SD2144SVP002 | | JR601 | BIRC0000165A005 | JUMPER | 0 | |
| Q503 | KTC3199GR | TRANSISTOR | BI2KTC3199GP000 | | JR602 | BIRC0000165A005 | JUMPER | 0 | |
| Q504 | KTC3199GR | TRANSISTOR | BI2KTC3199GP000 | | JR603 | BIRC0000165A005 | JUMPER | 0 | |
| Q601 | KTA1267GR | TRANSISTOR | BI2KTA1267GP000 | | LC1 | BI29GFMB3TP0151 | FILTER | GFMB3-T | |
| D1 | 1SS133 | FR DIODE | BI31SS133M0007 | | X1 | BI2100942 | CRYSTAL | 75KHz | |
| D2 | 1SS133 | FR DIODE | BI31SS133M0007 | | X601 | BI2102361 | CRYSTAL | 16.9344MHz | |
| D3 | 1SS133 | FR DIODE | BI31SS133M0007 | | XXXXX | BI11A050M0 | BLACK WIRE | 50mm | |
| D4 | 1SS133 | FR DIODE | BI31SS133M0007 | | XXXXX | BI202426010101 | PLATE ANT | T=0.3mm | |
| D5 | 1SS133 | FR DIODE | BI31SS133M0007 | | XXXXX | BI251206G01V | PWB | MAIN PWB | |
| D7 | BI3SVC203SPP000 | VARACTOR DIODE | SVC203 | | | | | | |
| D8 | BI3SVC203SPP000 | VARACTOR DIODE | SVC203 | | | | | | |
| D9 | 1SS133 | FR DIODE | BI31SS133M0007 | | | | | | |
| D10 | 1SS133 | FR DIODE | BI31SS133M0007 | | | | | | |
| D50 | 1SS133 | FR DIODE | BI31SS133M0007 | | | | | | |
| D51 | 1SS133 | FR DIODE | BI31SS133M0007 | | | | | | |
| D306 | MTZJ9.1B | Z DIODE | BI3MTZJ9.1BM000 | | IC701 | MN101C35D | IC | BI116021 | |
| D307 | MTZJ5.1B | Z DIODE | BI3MTZJ5.1BM0007 | | IC702 | RPM7140 | IC | BI114831 | |
| D308 | 1SS133 | FR DIODE | BI31SS133M0007 | | | | | | |
| D309 | 1SS133 | FR DIODE | BI31SS133M0007 | | Q704 | KTC3195Y | TRANSISTOR | BI2KTC3195YP000 | |
| D310 | 1SS133 | FR DIODE | BI31SS133M0007 | | Q705 | KTC3195Y | TRANSISTOR | BI2KTC3195YP000 | |
| D311 | 1SS133 | FR DIODE | BI31SS133M0007 | | Q711 | KRA102M | TRANSISTOR | BI2KRA102MP0008 | |
| D312 | 1SS133 | FR DIODE | BI31SS133M0007 | | Q713 | DTC114YS | TRANSISTOR | BI2DTC114YSP002 | |
| D313 | 1SS133 | FR DIODE | BI31SS133M0007 | | Q716 | DTC114TK | TRANSISTOR | BI2DTC114TKA011 | |
| D314 | 1SS133 | FR DIODE | BI31SS133M0007 | | Q717 | DTC114TK | TRANSISTOR | BI2DTC114TKA011 | |
| D321 | 1SS133 | FR DIODE | BI31SS133M0007 | | Q718 | DTC114TK | TRANSISTOR | BI2DTC114TKA011 | |
| D322 | 1SS133 | FR DIODE | BI31SS133M0007 | | Q719 | DTC114TK | TRANSISTOR | BI2DTC114TKA011 | |
| D323 | 1N4001 | FR DIODE | BI31N40011 | | Q720 | DTC114TK | TRANSISTOR | BI2DTC114TKA011 | |
| D324 | 1SS133 | FR DIODE | BI31SS133M0007 | | Q721 | DTC114TK | TRANSISTOR | BI2DTC114TKA011 | |

Front board

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

| △ Symbol No. | Part No. | Part Name | Description | Local |
|------------------------|----------|-----------|-------------|-------|
| Block No. [0][2][0][0] | | | | |

| △ Symbol No. | Part No. | Part Name | Description | Local |
|--------------|-----------------|----------------|-----------------|-------|
| Q722 | DTC114TK | TRANSISTOR | BI2DTC114TKA011 | |
| Q723 | DTC114TK | TRANSISTOR | BI2DTC114TKA011 | |
| Q724 | DTC114TK | TRANSISTOR | BI2DTC114TKA011 | |
| Q725 | DTC114TK | TRANSISTOR | BI2DTC114TKA011 | |
| Q726 | DTC114TK | TRANSISTOR | BI2DTC114TKA011 | |
| Q727 | DTC114TK | TRANSISTOR | BI2DTC114TKA011 | |
| Q728 | DTC114TK | TRANSISTOR | BI2DTC114TKA011 | |
| D701 | 1SS133 | FR DIODE | BI31SS133M0007 | |
| D702 | 1SS133 | FR DIODE | BI31SS133M0007 | |
| D703 | 1SS133 | FR DIODE | BI31SS133M0007 | |
| D705 | 1SS133 | FR DIODE | BI31SS133M0007 | |
| D706 | 1SS133 | FR DIODE | BI31SS133M0007 | |
| D1051 | 1SS133 | FR DIODE | BI31SS133M0007 | |
| D1052 | 1SS133 | FR DIODE | BI31SS133M0007 | |
| L702 | BI26100000KM002 | COIL | 10uH | |
| L703 | BI18A843556N000 | FILTER BEAD | 843556 TB36 | |
| L707 | BI26100000KM002 | COIL | 10uH | |
| L1051 | BI26047000KM002 | FIXED INDUCTOR | 4.7uH | |
| L1052 | BI26047000KM002 | FIXED INDUCTOR | 4.7uH | |
| L1053 | BI18A843556N000 | FILTER BEAD | 843556 TB36 | |
| CN701 | BI12S110021 | FFC CONNECTOR | 11P H 1.25mm | |
| CN702 | BI12P601431U | CONN. WIRE | 6P L=50MM | |
| CN703 | BI12P601431U | CONN. WIRE | 6P L=50MM | |
| CN704 | BI1203941 | CABLE | 3P | |
| CN705 | BI1203941 | CABLE | 3P | |
| CN706 | BI12S160034U | FFC CONNECTOR | 16P H 1.25mm | |
| CN707 | BI12S210005 | FFC CONNECTOR | 21P H 1.25mm | |
| FL701 | BI2701941 | FL DISPLAY | 17LM03 41PIN | |
| HJ105 | BI2301211 | MINI JACK | CKX-3.5- 25 | |
| JR1 | BIRC0000085A003 | JUMPER | 0 OHM 1/8W | |
| JR2 | BIRC0000165A005 | JUMPER | 0 OHM 1/16W | |
| JR701 | BIRC0000165A005 | JUMPER | 0 OHM 1/16W | |
| JR702 | BIRC0000165A005 | JUMPER | 0 OHM 1/16W | |
| JR703 | BIRC0000165A005 | JUMPER | 0 OHM 1/16W | |
| JR704 | BIRC0000085A003 | JUMPER | 0 OHM 1/8W | |
| LE701 | BI28B4531EP0110 | RED LED | BL-B4531E | |
| P1 | BI11AT160B0U | BLACK WIRE | IP L=160MM | |
| S1 | BI8EVQ21405P015 | TACT SWITCH | S/TURBO | |
| S2 | BI8EVQ21405P015 | TACT SWITCH | STANDBY | |
| S701 | BI8EVQ21405P015 | TACT SWITCH | REC | |
| S702 | BI8EVQ21405P015 | TACT SWITCH | DUBBING | |
| S703 | BI8EVQ21405P015 | TACT SWITCH | CD REC | |
| S704 | BI8EVQ21405P015 | TACT SWITCH | REPEAT | |
| S705 | BI8EVQ21405P015 | TACT SWITCH | PROGRAM | |
| S706 | BI8EVQ21405P015 | TACT SWITCH | RANDOM | |
| S1002 | BI8EVQ21405P015 | TACT SWITCH | TAPE | |
| S1003 | BI8EVQ21405P015 | TACT SWITCH | AUX | |
| S1004 | BI8EVQ21405P015 | TACT SWITCH | FM/AM | |
| S1005 | BI8EVQ21405P015 | TACT SWITCH | CANCEL | |
| S1006 | BI8EVQ21405P015 | TACT SWITCH | SET | |
| S1007 | BI8EVQ21405P015 | TACT SWITCH | CD | |
| S1008 | BI8EVQ21405P015 | TACT SWITCH | CD1 | |
| S1009 | BI8EVQ21405P015 | TACT SWITCH | CD2 | |
| S1010 | BI8EVQ21405P015 | TACT SWITCH | CD3 | |
| S1011 | BI8EVQ21405P015 | TACT SWITCH | OPEN | |
| S1012 | BI8EVQ21405P015 | TACT SWITCH | DISC/SKIP | |
| S1013 | BI8EVQ21405P015 | TACT SWITCH | TAPE A/B | |
| S1014 | BI8EVQ21405P015 | TACT SWITCH | CLOCK/TIME | |
| S1015 | BI8EVQ21405P015 | TACT SWITCH | STOP | |
| S1016 | BI8EVQ21405P015 | TACT SWITCH | TUN- | |
| S1017 | BI8EVQ21405P015 | TACT SWITCH | TUN+ | |
| S1018 | BI8EVQ21405P015 | TACT SWITCH | RESET- | |
| S1019 | BI8EVQ21405P015 | TACT SWITCH | RESET+ | |
| S1020 | BI8EVQ21405P015 | TACT SWITCH | ROCK | |
| S1021 | BI8EVQ21405P015 | TACT SWITCH | CLASSIC | |
| S1022 | BI8EVQ21405P015 | TACT SWITCH | POPS | |
| S1023 | BI8EVQ21405P015 | TACT SWITCH | A/BASS | |
| SW701 | BI804221 | JOG SWITCH | PVB20FHIN | |
| V1051 | BI12P402511U | CONN. WIRE | 4P L=290mm | |
| X701 | BI29ZTA8.00P015 | C RESONTOR | 8MHz | |
| X702 | BI2102471 | CRYSTAL | 32.768KHz | |
| XXXXX | BI251205G02V | PWB | FRONT PCB | |

Amp. board

| Block No. [0][3][0][0] | | | | |
|------------------------|-----------------|-----------------|-----------------|-------|
| △ Symbol No. | Part No. | Part Name | Description | Local |
| △ IC304 | STK412-030 | IC | BI115001 | |
| Q103 | KTC3199GR | TRANSISTOR | BI2KTC3199GP000 | |
| Q104 | KTA1267GR | TRANSISTOR | BI2KTA1267GP000 | |
| Q105 | KTC3199GR | TRANSISTOR | BI2KTC3199GP000 | |
| Q203 | KTC3199GR | TRANSISTOR | BI2KTC3199GP000 | |
| Q204 | KTA1267GR | TRANSISTOR | BI2KTA1267GP000 | |
| Q205 | KTC3199GR | TRANSISTOR | BI2KTC3199GP000 | |
| Q307 | KTC3199GR | TRANSISTOR | BI2KTC3199GP000 | |
| Q334 | KRA107M | TRANSISTOR | BI2KRA107MP0008 | |
| Q335 | KRA107M | TRANSISTOR | BI2KRA107MP0008 | |
| Q336 | KTC3199GR | TRANSISTOR | BI2KTC3199GP000 | |
| Q337 | KTC3199GR | TRANSISTOR | BI2KTC3199GP000 | |
| Q338 | KTC3199GR | TRANSISTOR | BI2KTC3199GP000 | |
| Q339 | DTC114YS | TRANSISTOR | BI2DTC114YSP002 | |
| Q901 | 8550C | SI.TRANSISTOR | BI28550CP0005 | |
| Q902 | DTC114YS | TRANSISTOR | BI2DTC114YSP002 | |
| Q903 | DTC114YS | TRANSISTOR | BI2DTC114YSP002 | |
| Q904 | KTB1366 | TRANSISTOR | BI2KTB1366Y8 | |
| Q905 | KTC3199GR | TRANSISTOR | BI2KTC3199GP000 | |
| Q906 | KTC3199GR | TRANSISTOR | BI2KTC3199GP000 | |
| Q907 | KTB1366 | TRANSISTOR | BI2KTB1366Y8 | |
| Q909 | KRA107M | TRANSISTOR | BI2KRA107MP0008 | |
| Q911 | KTC3199GR | TRANSISTOR | BI2KTC3199GP000 | |
| Q912 | DTC114ES | TRANSISTOR | BI2DTC114ESP002 | |
| D304 | 1SS133 | FR DIODE | BI31SS133M0007 | |
| D305 | 1SS133 | FR DIODE | BI31SS133M0007 | |
| D325 | 1SS133 | FR DIODE | BI31SS133M0007 | |
| D326 | 1SS133 | FR DIODE | BI31SS133M0007 | |
| D327 | 1SS133 | FR DIODE | BI31SS133M0007 | |
| D331 | 1SS133 | FR DIODE | BI31SS133M0007 | |
| D333 | 1SS133 | FR DIODE | BI31SS133M0007 | |
| D334 | MTZJ15C | Z DIODE | BI3MTZJ15CM0007 | |
| D335 | MTZJ15C | Z DIODE | BI3MTZJ15CM0007 | |
| D336 | 1SS133 | FR DIODE | BI31SS133M0007 | |
| △ D901 | G5SBA60L | DIODE | BI3G5SBA601 | |
| D902 | FR202 | RECTIFIER DIODE | BI3FR202L2F | |
| D903 | FR202 | RECTIFIER DIODE | BI3FR202L2F | |
| D904 | FR202 | RECTIFIER DIODE | BI3FR202L2F | |
| D905 | FR202 | RECTIFIER DIODE | BI3FR202L2F | |
| D906 | BI31N40011 | FR DIODE | 1N4001 | |
| D907 | UZ36BSA | Z DIODE | BI3UZ36BSAM000 | |
| D908 | MTZJ6.2B | Z DIODE | BI3MTZJ6.2BM000 | |
| D909 | 1SS133 | FR DIODE | BI31SS133M0007 | |
| D910 | MTZJ6.2B | Z DIODE | BI3MTZJ6.2BM000 | |
| D911 | MTZJ5.6B | Z DIODE | BI3MTZJ5.6BM000 | |
| D912 | MTZJ13B | Z DIODE | BI3MTZJ13BM000 | |
| D913 | MTZJ12C | Z DIODE | BI3MTZJ12CM000 | |
| △ D914 | RS402M | RECTIFIER | BI3RS402M1 | |
| D916 | 1SS133 | FR DIODE | BI31SS133M0007 | |
| △ C901 | BICM682101KP015 | M CAPACITOR | 0.0068UF/100V | |
| △ C902 | BICM682101KP015 | M CAPACITOR | 0.0068UF/100V | |
| △ C903 | BICM682101KP015 | M CAPACITOR | 0.0068UF/100V | |
| △ C904 | BICM682101KP015 | M CAPACITOR | 0.0068UF/100V | |
| △ C905 | BICE33865M2 | E CAPACITOR | 3300UF 65V | |
| △ C906 | BICE33865M2 | E CAPACITOR | 3300UF 65V | |
| △ C923 | BICM682101KP015 | M CAPACITOR | 0.0068UF/100V | |
| △ C924 | BICM682101KP015 | M CAPACITOR | 0.0068UF/100V | |
| △ C925 | BICM682101KP015 | M CAPACITOR | 0.0068UF/100V | |
| △ C926 | BICM682101KP015 | M CAPACITOR | 0.0068UF/100V | |
| △ C927 | BICE47835M61 | E CAPACITOR | 4700UF/35 | |
| △ C928 | BICE47835M61 | E CAPACITOR | 4700UF/35 | |
| R3 | BIRC3920085M000 | C RESISTOR | 3.9 OHM | |
| R390 | 1SS133 | FR DIODE | BI31SS133M0007 | |
| R919 | BIRC6840085M000 | C RESISTOR | 680K OHM | |
| L101 | BI2601141 | COIL | 3.0UH | |
| L201 | BI2601141 | COIL | 3.0UH | |
| CN307 | BI12S90024U | CONNECTOR | 9P P=1.25mm | |
| CN701 | BI12S110020 | CONNECTOR | 11P | |

| △ Symbol No. | Part No. | Part Name | Description | Local |
|--------------|--------------|-----------|-------------|-------|
| CN951 | BI12S90025U | CONNECTOR | 9P P=2.5mm | |
| RY301 | BI8RL00071 | RELAY | G5PA-2 | |
| XXXXX | BI251217G03V | PWB | | |

Power trans board

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

| △ Symbol No. | Part No. | Part Name | Description | Local |
|--------------|----------------|---------------|-------------|-------|
| △ C951 | BICT224275M | CAPACITOR | 0.22UF 275V | |
| △ R951 | BIRC3352 | RESISOTOR | 3.3M OHM | |
| F951A | BI201196010101 | FUSE HOLD | CX-NV300 | |
| F951B | BI201196010101 | FUSE HOLD | CX-NV300 | |
| F952A | BI201196010101 | FUSE HOLD | CX-NV300 | |
| F952B | BI201196010101 | FUSE HOLD | CX-NV300 | |
| FW951 | BI12P900551U | CONNETOR ASSY | 9P | |
| △ TB901 | BI201323010101 | TERMINAL | 1P | |
| △ TB902 | BI201323010101 | TERMINAL | 1P | |
| XXXXX | BI251223G01V | PWB | 1.6MM | |

Wiring assembly

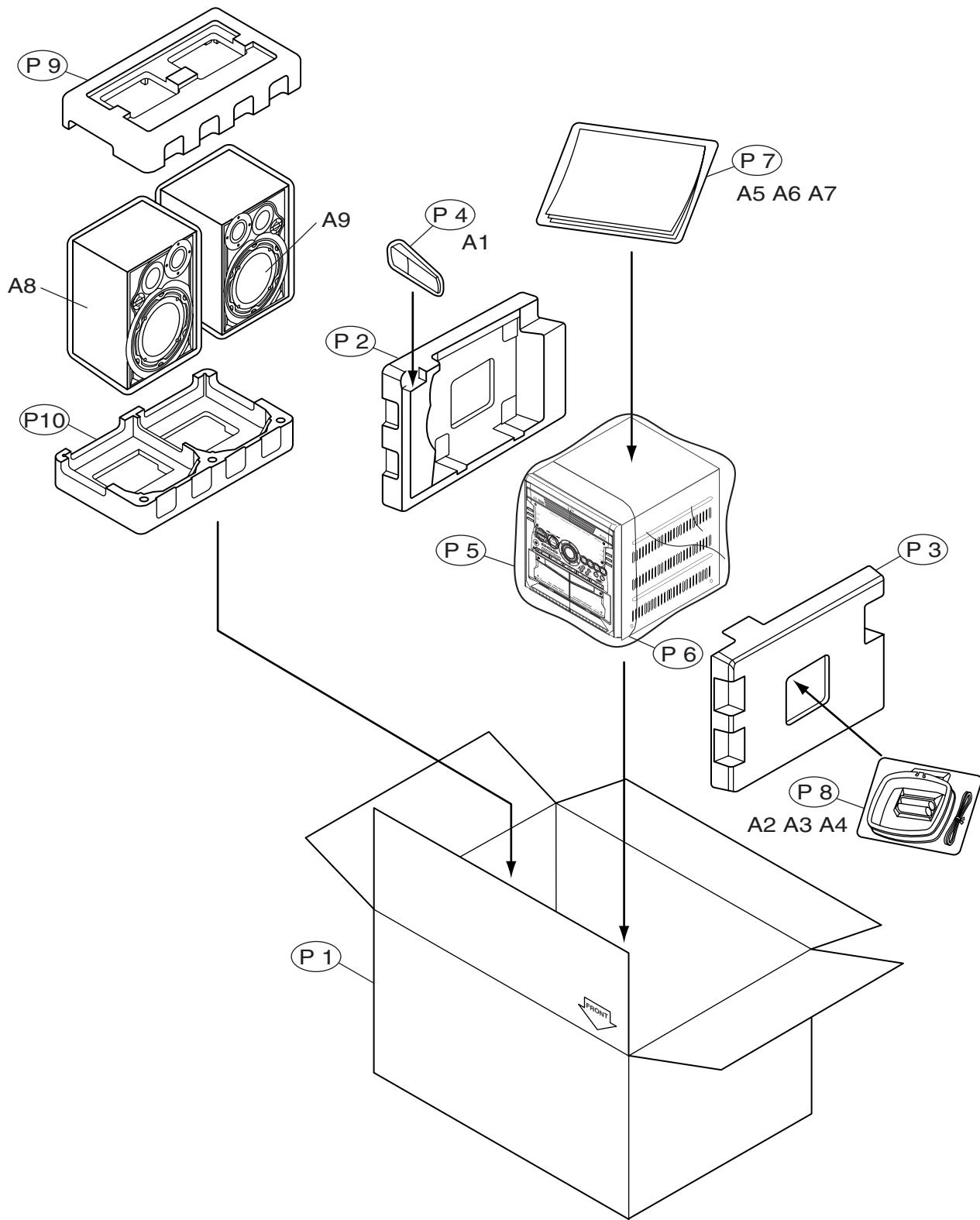
Block No. [0][5][0][0]

| △ Symbol No. | Part No. | Part Name | Description | Local |
|--------------|--------------|------------|-------------|-------|
| CN305 | BI1205441U | FF-CABLE | 11P | |
| CN306 | BI1205261U | FF-CABLE | 9P | |
| CN309 | BI1205241U | FF-CABLE | 21P | |
| CN601 | BI1205291U | FF-CABLE | 16P | |
| CN604 | BI1205251U | FF-CABLE | 16P | |
| CN701 | BI1205281U | FF-CABLE | 11P | |
| DECK | BI12P302151U | WIRE 360MM | 3P | |
| DECK | BI12P801021U | WIRE 485MM | 8P | |
| DECK | BI11AT065B0U | WIRE 73MM | 1P | |

<MEMO>

Packing materials and accessories parts list

Block No. M 3 M M



Packing and accessories

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

| △ Symbol No. | Part No. | Part Name | Description | Local |
|--------------|-----------------|----------------|---------------------------|-------|
| A 1 | BI600MKB30050 | REMOTE CONTROL | | |
| A 2 | ----- | BATTERY | (x2) | |
| A 3 | BIAN01031 | AM LOOP ANT | | |
| A 4 | BIAN01012 | ANT WIRE | | |
| A 5 | BI4032613U | WARRANTY CARD | BT-51034-1(0301) J | |
| A 5 | BI4032823 | WARRANTY CARD | BT-52006-2(1002) C | |
| A 6 | BI4032603U | SAFTEY CARD | | |
| A 7 | BI4412871U | INST BOOK | LVT1191-001A (ENG) | J |
| A 7 | BI4412941U | INST BOOK | LVT1191-002A (ENG FRE) | C |
| A 8 | MXKB30J-SPBOX-L | SPEAKER BOX L | | |
| A 9 | MXKB30J-SPBOX-R | SPEAKER BOX R | | |
| P 1 | BI4314011U | CARTON BOX | | J |
| P 1 | BI4314161U | CARTON BOX | | C |
| P 2 | BI4512251 | POLY FORM | LEFT | |
| P 3 | BI4512261 | POLY FORM | RIGHT | |
| P 4 | BI4005355 | POLY BAG | REMOTE CONTROL | |
| P 5 | BI4710322U | POLY BAG | SET | |
| P 6 | BI4511451 | EPE FOAM PAPER | SET | |
| P 7 | BI4710312U | POLY BAG | INST BOOK | |
| P 8 | BI4710572U | POLY BAG | ANT LOOP | |
| P 9 | BI4513181U | POLY FORM | SP-BOX TOP | |
| P 10 | BI4513191U | POLY FORM | SP-BOX BOTTOM | |

PARTS LIST

[MX-KB30]

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

Area suffix

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

- Contents -

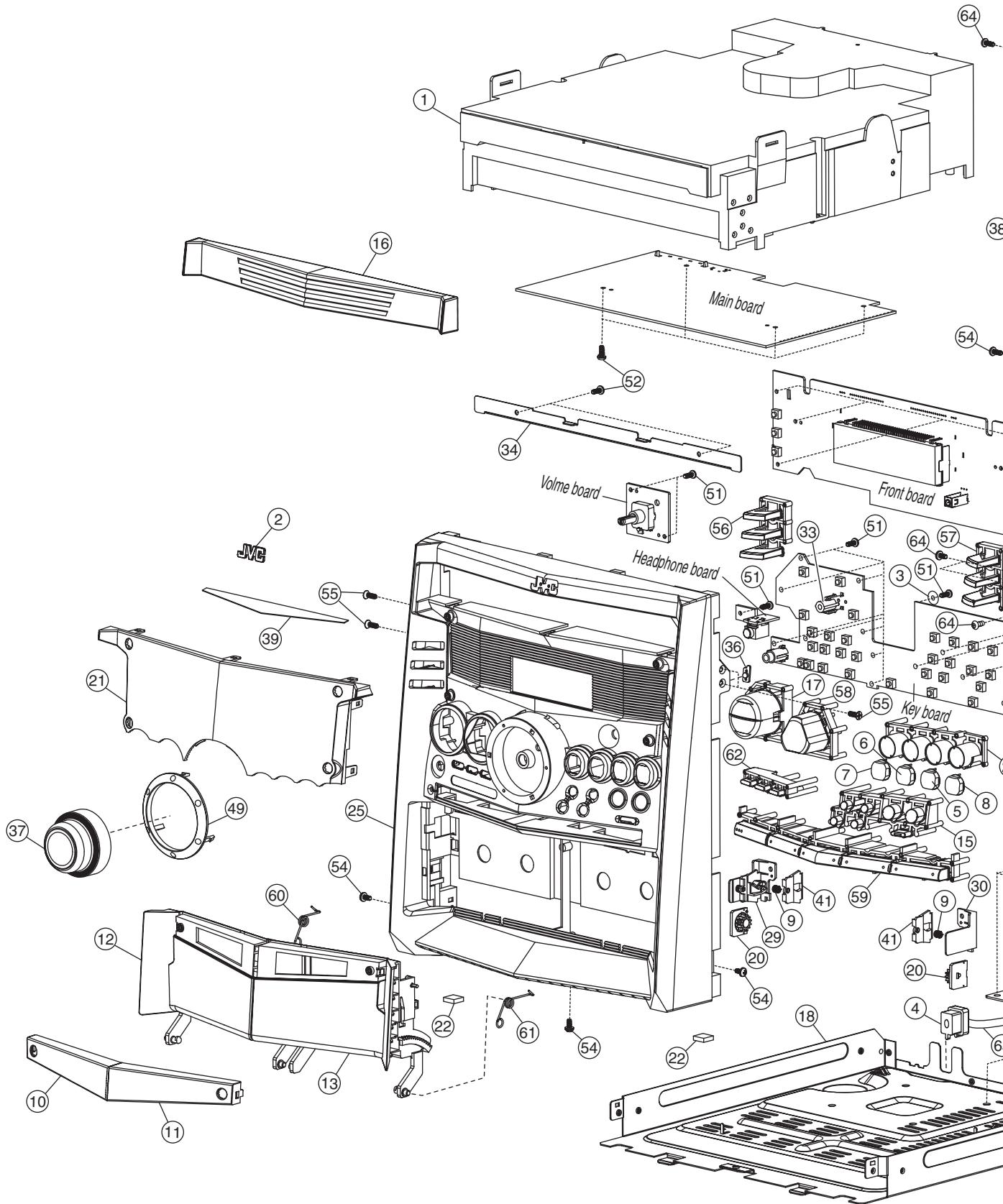
| | |
|--|------|
| Exploded view of general assembly and parts list (Block No.M1) | 3- 2 |
| CD changer mechanism assembly and parts list (Block No.MA)..... | 3- 5 |
| Cassette mechanism assembly and parts list (Block No.MP)..... | 3- 7 |
| Electrical parts list (Block No.01~05) | 3- 8 |
| Packing materials and accessories parts list (Block No.M3) | 3-12 |

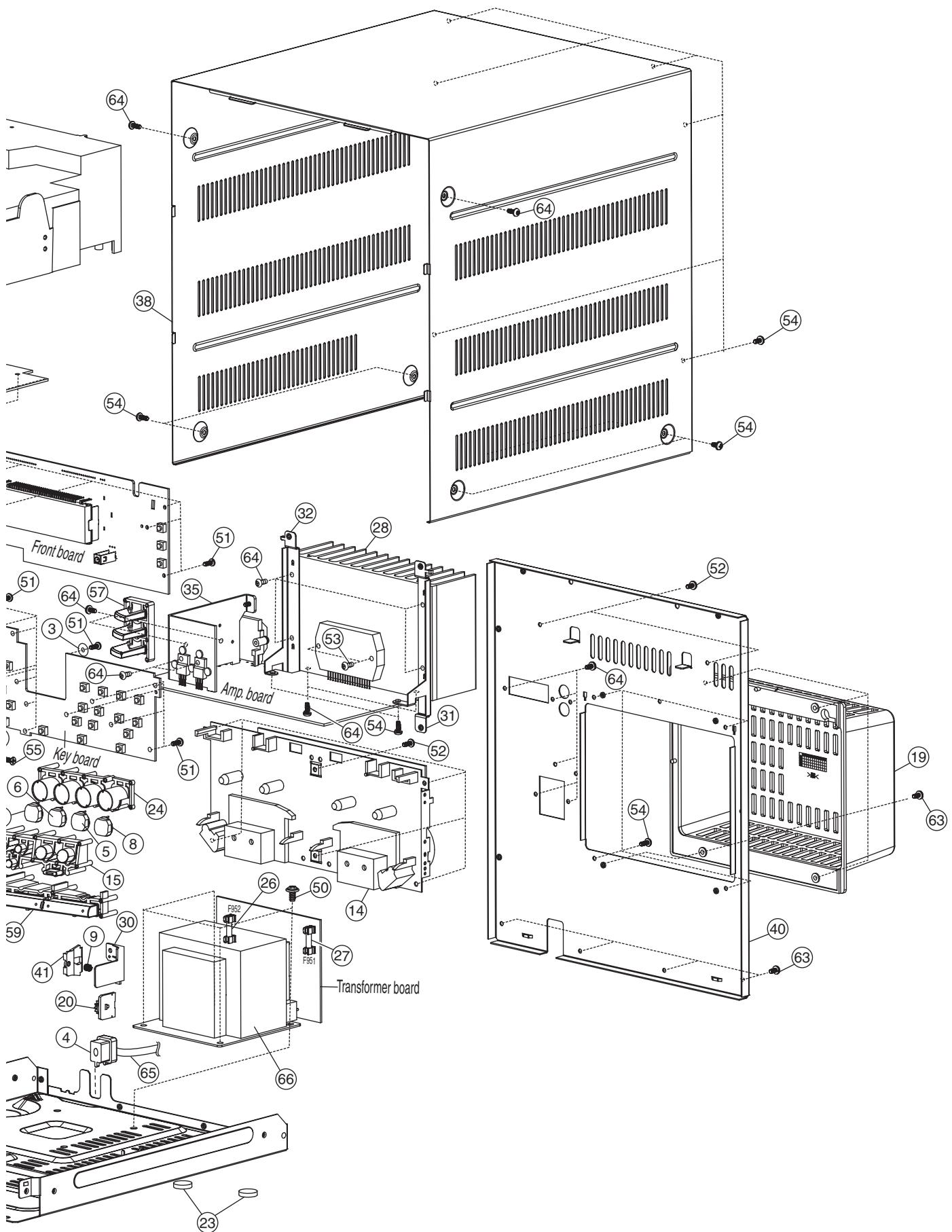
- Note-

Parts number of normal capacitors and normal resistors doesn't listed on the parts list

Exploded view of general assembly and parts list

Block No. M 1 M M





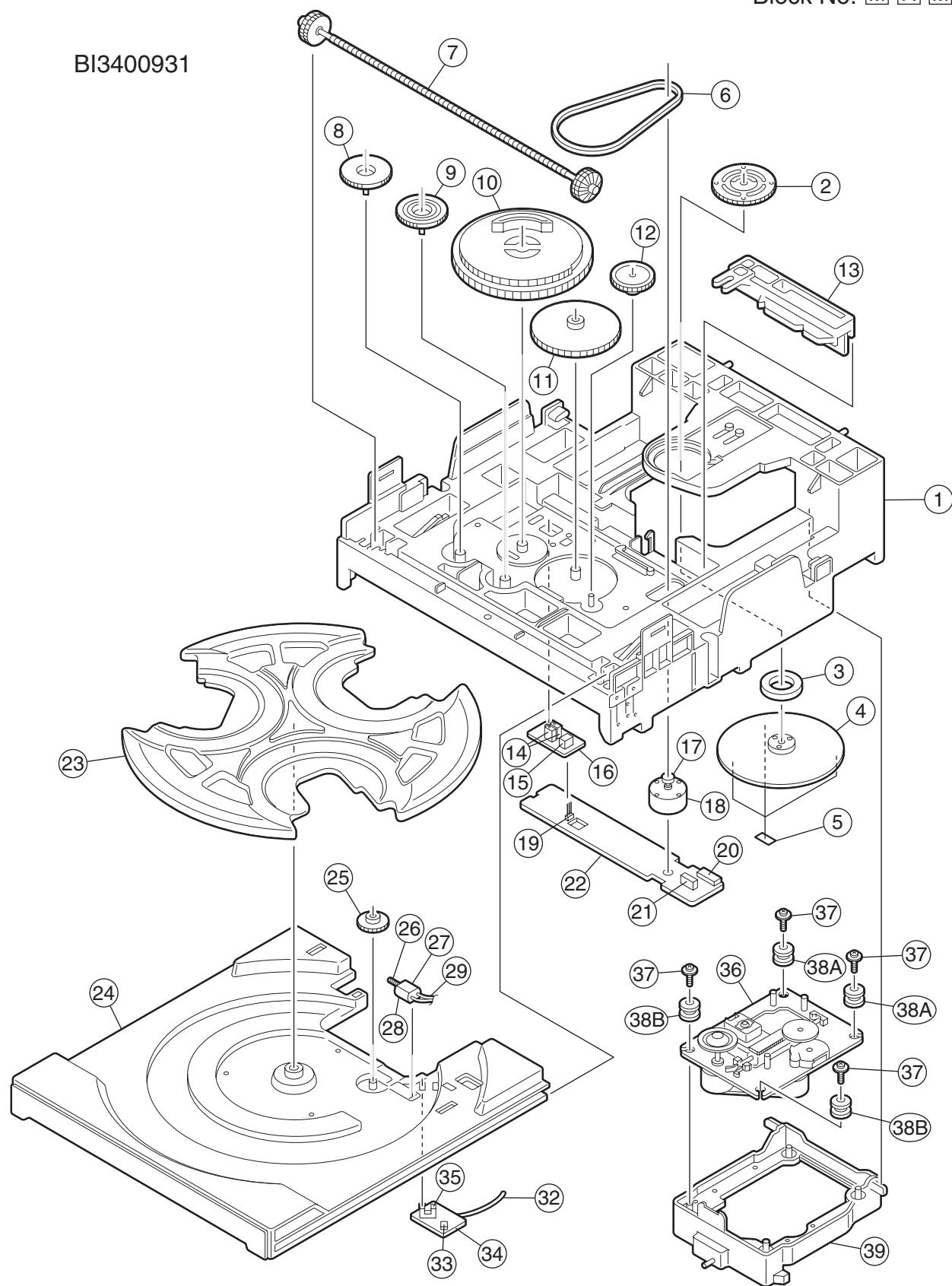
General assembly

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

| △ Symbol No. | Part No. | Part Name | Description | Local |
|--------------|-----------------|-----------------|----------------------------|-------|
| 1 | ----- | CD CHANGER MECH | | |
| 2 | BI109835010201 | BADGE JVC | | |
| 3 | BI300856010101 | WASHER | | |
| △ 4 | BI301789010101 | BUSHING | 5RF-5B | |
| 5 | BI1074751301U1 | CAP CD3 | | |
| 6 | BI1074751201U1 | CAP CD2 | | |
| 7 | BI1074751101U1 | CAP CD1 | | |
| 8 | BI1074751401U1 | CAP OPEN CLOSE | | |
| 9 | BI201789010102 | LOCK SPRING | CASSETTE(x2) | |
| 10 | BI107468010101 | CASS DOOR WIN L | | |
| 11 | BI107467010101 | CASS DOOR WIN R | | |
| 12 | BI107466010101 | CASS HOLDER L | | |
| 13 | BI107465010101 | CASS HOLDER R | | |
| 14 | ----- | CASSETTE MECHA | CMAT6Z219A | |
| 15 | BI107477010101 | CD EJECT BUTTON | | |
| 16 | BI107463010201 | CD FITTING | | |
| 17 | BI107471010101 | CD SEL BUTTON A | | |
| 18 | BI202547010201 | CHAS MAIN | | |
| 19 | BI107483010101 | HEATSINK COVER | | |
| 20 | BI301388010101 | DAMPING GEAR | (x2) | |
| 21 | BI1074640901U1 | DISPLAY WINDOW | | |
| 22 | BI103362020102 | EVA FOOT | (x2) | |
| 23 | BI301779010101 | EVA FOOT C | (x2) | |
| 24 | BI107473010101 | FRAME CD SELECT | | |
| 25 | BI107462910201 | FRONT PANEL | | |
| △ 26 | BI402991 | FUSE | F952 1.6A 250V | |
| △ 27 | BI403011 | FUSE | F951 3.15A 250V | |
| 28 | BI202556010102 | HEAT SINK | | |
| 29 | BI104143010102 | HOLDER LOCK L | | |
| 30 | BI104143010202 | HOLDER LOCK R | | |
| 31 | BI202560010101 | HOLDER R | | |
| 32 | BI202553010101 | HOLDER L | | |
| 33 | BI107480010101 | HOLDER | SOUND MODE | |
| 34 | BI202592010101 | HOLDER BRACKET | | |
| 35 | BI202555010101 | HEAT SINK AMP | | |
| 36 | BI107485010101 | INDICATOR | STANDBY | |
| 37 | BI109819030201 | KNOB VOLUME TAB | | |
| 38 | BI202548010101 | METAL COVER | | |
| 39 | BI301922010101 | MIRROR SHEET | | |
| 40 | BI2025500501U1 | REAR PANEL | | |
| 41 | BI104142010102 | PLATE LOCK 1 | (x2) | |
| 49 | BI107482010101 | RING VOLUME | | |
| 50 | BIPMW001101S3 | SCREW | 4.0XL6 METAL(x4) 2.6XL8 | |
| 51 | BIBT000418 | SCREW | PLASTIC(x23) | |
| 52 | BIRT000617B3 | SCREW | 3.0XL10 PLASTIC(x14) | |
| 53 | BIBT0006091 | SCREW | 3.0XL14 PLASTIC(x2) | |
| 54 | BIRM000603S3 | SCREW | 3.0XL6 | |
| 55 | BIKT000627 | SCREW | METAL(x19) (x4) | |
| 56 | BI107470010101 | SELECT BUTTON L | | |
| 57 | BI107469010101 | SELECT BUTTON R | | |
| 58 | BI107472010201 | BUTTON | SOUND MODE | |
| 59 | BI107478010101 | SOURCE BUTTON A | | |
| 60 | BI202566010101 | SPRING L | | |
| 61 | BI202565010101 | SPRING R | | |
| 62 | BI107476010101 | SUB BUTTON SET | | |
| 63 | BIRM000604S3 | SCREW | RH/TS 3XL8(x8) | |
| 64 | BIRT000611B3 | SCREW | RH/TS 3XL8(x18) | |
| △ 65 | BI1400864 | POWER CORD | UL/CSA | |
| △ 66 | BI211041004001W | TRANSFORMER | T951 UL/CSA | |

CD changer mechanism assembly and parts list

Block No. **M A M M**



CD changer mechanism

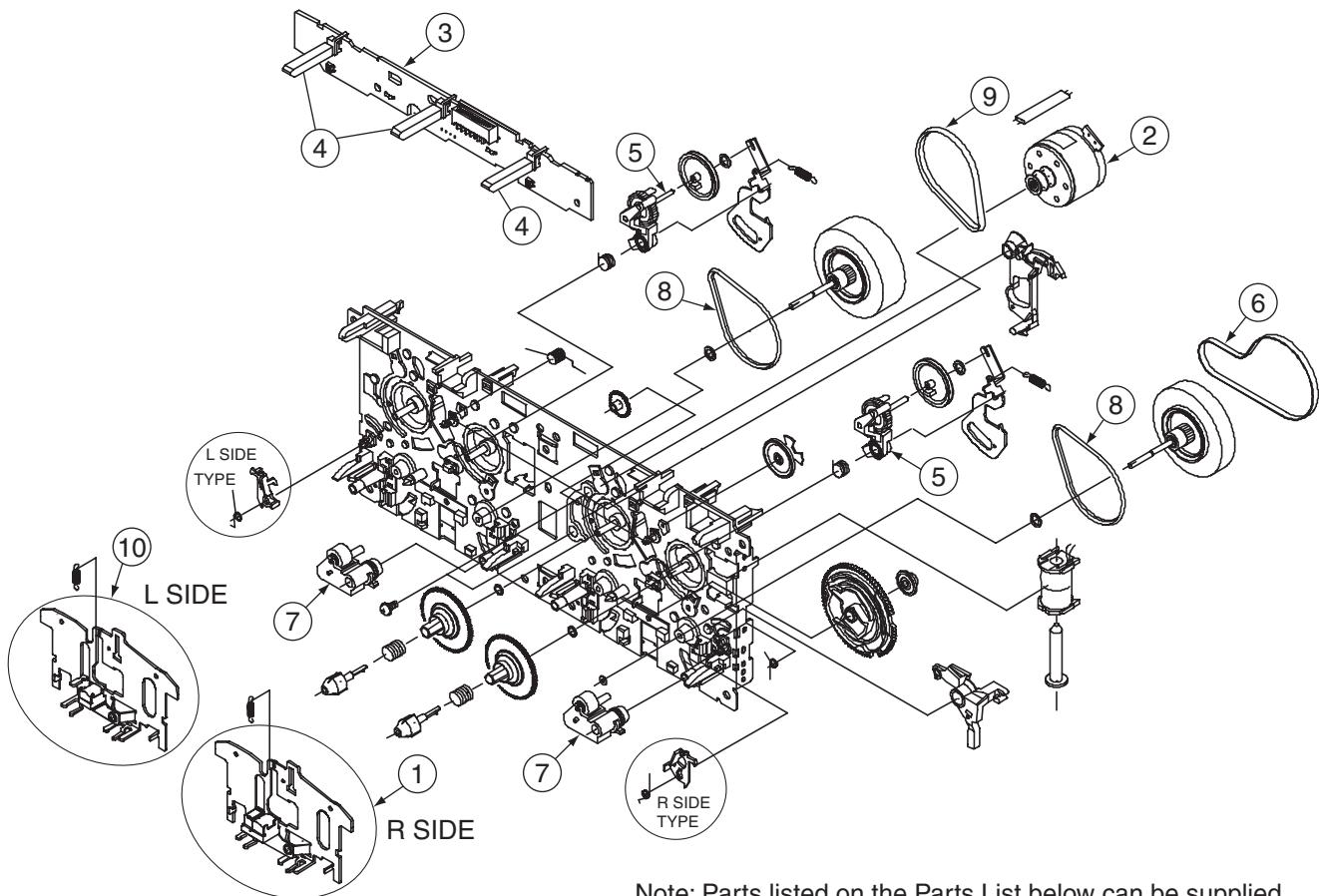
Block No. [M][A][M][M]

| △ Symbol No. | Part No. | Part Name | Description | Local |
|--------------|--------------|---------------------|-------------|-------|
| 1 | BIAJ7200601J | BASE-MAIN | 1X1 | |
| 2 | BIAJ6100601P | BRKT-CHUCK | | |
| 3 | BI3302000158 | MAGNET-FERRITE | | |
| 4 | BIAJ7200601L | TABLE-CHUCK | 1X4 | |
| 5 | BIAJ6300601A | SHEET-CHUCK | (x3) | |
| 6 | BIAJ7300601B | BELT-LOAD | | |
| 7 | BIAJ6600601N | GEAR-SYNCRO | 1X2 | |
| 8 | BIAJ6600601L | GEAR-CONVERT | 1X4 | |
| 9 | BIAJ6600601M | GEAR-TRAY | 1X4 | |
| 10 | BIAJ6600601R | GEAR-CAM | 1X2 | |
| 11 | BIAJ6600601K | GEAR-LOAD | 1X4 | |
| 12 | BIAJ6600601J | GEAR-PULLEY | 1X4 | |
| 13 | BIAJ7200601N | SLIDER-CAM | 1X4 | |
| 14 | BI3405000101 | SWITCH-MICRO | (x2) | |
| 15 | BI3711003379 | CONNECTOR- HEADE | | |
| 16 | BIAJ4100601K | PCB-SW | | |
| 17 | BIAJ6100601K | PULLEY-MOTOR | 1X4 | |
| 18 | BIAJ3100601F | MOTOR-DC | | |
| 19 | BI3710001248 | CONNECTOR-SOCE | | |
| 20 | BI3711003692 | CONNECTOR- HEADE | | |
| 21 | BI3708001163 | CONNECTOR-FPC | | |
| 22 | BIAJ4100601L | PCB-MECHA | | |
| 23 | BIAJ7200601P | TRAY-ROULETTE | 1X2 | |
| 24 | BIAJ7200601Q | TRAY-DISC | 1X2 | |
| 25 | BIAJ6600601Q | GEAR-ROULETTE | 1X4 | |
| 26 | BIAJ6600601P | GEAR-WORM | 1X2 | |
| 27 | BIAJ3100601K | MOTOR-LOADING | | |
| 28 | BIAJ6300601B | SHEET-MOTOR | | |
| 29 | BIAJ3900601A | WIRE-ROULETTE | | |
| 32 | BIAJ3900601B | WIRE-TRAY | | |
| 33 | BI3711000003 | CONNECTOR- HEADE | | |
| 34 | BIAJ4100601J | PCB-SENSOR | | |
| 35 | BIAJ3200601A | SENSOR-ROULETTE | | |
| 36 | BIAJ9050605F | CMS-B31NG6U | | |
| 37 | BIAJ6000601F | SCREW | (x4) | |
| 38A | BIAJ7300601F | RUBBER-B31Y | (x2) | |
| 38B | BIAJ7300601D | RUBBER-B31 | (x2) | |
| 39 | BIAJ7200602F | LEVER-LIFTER | 1X2 | |

Cassette mechanism assembly and parts list

Block No. **M P M M**

CMAT6Z219A



Note: Parts listed on the Parts List below can be supplied. However, parts that are not listed below cannot be supplied individually but only by purchasing the whole Cassette Mechanism Assembly Unit. (When ordering, use the Parts No. CMAT6Z219A for Cassette Mechanism Assembly Unit.)

Cassette mechanism

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

| △ Symbol No. | Part No. | Part Name | Description | Local |
|--------------|------------|-----------------|-------------|-------|
| 1 | BIF513-858 | PLATE HD BLK | | |
| 2 | BIF525-346 | MTR MAIN BLK | | |
| 3 | BIF567-843 | PCB CONTROL BLK | | |
| 4 | BIUE20P-12 | LEAF SWITCH | (x3) | |
| 5 | BIF522-063 | CLUTCH ASY BLK | (x2) | |
| 6 | BIFF19N-31 | MAIN BELT | | |
| 7 | BIF514-35 | ROLLIER PINCH B | (x2) | |
| 8 | BIFF19S-31 | F/R BELT MO | (x2) | |
| 9 | BIFF19N-22 | MAIN BELT | | |
| 10 | BIF513-855 | PLATE HD BLK | | |

Electrical parts list

Main board

| △ Symbol No. | Part No. | Part Name | Description | Local | △ Symbol No. | Part No. | Part Name | Description | Local |
|------------------------|-----------------|----------------|------------------|-------|--------------|-----------------|-----------------|-----------------|-------|
| Block No. [0][1][0][0] | | | | | | | | | |
| IC1 | LA1823 | IC | BI113251 | | D328 | 1SS133 | FR DIODE | BI31SS133M0007 | |
| IC2 | LC72136N | IC | BI113271 | | D329 | 1SS133 | FR DIODE | BI31SS133M0007 | |
| IC101 | TDA7440D | IC | BI113231 | | D330 | 1SS133 | FR DIODE | BI31SS133M0007 | |
| IC102 | BA15218F | IC | BI113241 | | D401 | 1SS133 | FR DIODE | BI31SS133M0007 | |
| IC401 | HA12237 | IC | BI115011 | | D402 | 1SS133 | FR DIODE | BI31SS133M0007 | |
| IC402 | M74HC4094B | IC | BI114371 | | D605 | 1N4001 | FR DIODE | BI31N40011 | |
| IC601 | MN6627482WA | IC | BI114621 | | R601 | BIRC1520165A005 | CHIP JUMPER | 0 | |
| IC611 | AN22000A | IC | BI113161 | | R607 | BIRC0000165A005 | JUMPER | 0 | |
| IC621 | BA5936S | IC | BI113141 | | R608 | BIRC0000165A005 | JUMPER | 0 | |
| IC631 | NJM7808FA | IC | BI110061 | | R609 | BIRC0000165A005 | JUMPER | 0 | |
| Q1 | KTC3194 | TRANSISTOR | BI2KTC3194P0008 | | R641 | BIRC0000165A005 | JUMPER | 0 | |
| Q2 | KTC3195 | TRANSISTOR | BI2KTC3195Y0000 | | R669 | BIRC0000165A005 | JUMPER | 0 | |
| Q3 | DTC114YS | TRANSISTOR | BI2DTC114YSP002 | | L1 | BICH473500KM019 | CAP | 0.047uH | |
| Q4 | DTC114YS | TRANSISTOR | BI2DTC114YSP002 | | L2 | BI605082 | AM PACK COIL | 7RBW | |
| Q5 | KRA107 | TRANSISTOR | BI2KRA107MP0008 | | L3 | BI7A0170 | FM COIL | | |
| Q7 | KTC3199GR | TRANSISTOR | BI2KTC3199GP000 | | L4 | BI7A0171 | FM COIL | | |
| Q8 | KTA1267GR | TRANSISTOR | BI2KTA1267GP000 | | L5 | BI26101000KM002 | FIXED INDUCTOR | 100uH | |
| Q101 | KTC3199GR | TRANSISTOR | BI2KTC3199GP000 | | L6 | BI26220000KM002 | FIXED INDUCTOR | 22uH | |
| Q201 | KTC3199GR | TRANSISTOR | BI2KTC3199GP000 | | L50 | BI26221000KM002 | FIXED INDUCTOR | 220uH | |
| Q302 | KTC3200GR | TRANSISTOR | BI2KTC3200P0008 | | L301 | BI605071 | BIAS-COIL | 864306 | |
| Q303 | KTC3203Y | TRANSISTOR | BI2KTC3203YP000 | | L304 | BI18A843556N000 | FILTER BEAD | 843556 TB36 | |
| Q304 | KTA1267GR | TRANSISTOR | BI2KTA1267GP000 | | L306 | BI18A843556N000 | FILTER BEAD | 843556 TB36 | |
| Q305 | DTC144ES | TRANSISTOR | BI2DTC144ESP002 | | L307 | BI18A843556N000 | FILTER BEAD | 843556 TB36 | |
| Q308 | DTC144ES | TRANSISTOR | BI2DTC144ESP002 | | L601 | BI26100000KM002 | COIL | 10uH | |
| Q309 | KTA1273 | TRANSISTOR | BI2KTA1273P0008 | | L602 | BI26100000KM000 | FIXED INDUCTOR | 10uH | |
| Q310 | KTC3199GR | TRANSISTOR | BI2KTC3199GP000 | | T1 | BI2901541 | CO. FILTER | AC009 450KHz | |
| Q311 | KTA1273 | TRANSISTOR | BI2KTA1273P0008 | | BF601 | BI18A843556N000 | FILTER BEAD | 843556 TB36 | |
| Q312 | KTC3199GR | TRANSISTOR | BI2KTC3199GP000 | | CF1 | BI29LT10.7MP015 | CER.FILTER | 10.7MHz | |
| Q313 | KTA1273 | TRANSISTOR | BI2KTA1273P0008 | | CF2 | BI29LT10.7MP015 | CER.FILTER | 10.7MHz | |
| Q314 | DTC114YS | TRANSISTOR | BI2DTC114YSP002 | | CF3 | BI29JT10.7MP015 | C FILTER | 10.7MHz | |
| Q316 | KTC3199GR | TRANSISTOR | BI2KTC3199GP000 | | CN305 | BI12S110023U | FFC CONNECTOR | 11P V 1.25mm | |
| Q317 | KTC3199GR | TRANSISTOR | BI2KTC3199GP000 | | CN306 | BI12S90024U | CONNECTOR | 9P V 1.25mm | |
| Q318 | DTC114YS | TRANSISTOR | BI2DTC114YSP002 | | CN307 | BI12S30039 | CONNECTOR | 3P 2.0mm | |
| Q319 | KA1270 | TRANSISTOR | BI2KTA1270YP000 | | CN308 | BI12S80024 | CONNECTOR | 8P 2.0mm | |
| Q321 | DTC114YS | TRANSISTOR | BI2DTC114YSP002 | | CN309 | BI12S210004 | FFC CONNECTOR | 21P V 1.25mm | |
| Q322 | KRA107M | TRANSISTOR | BI2KRA107MP0008 | | CN601 | BI12S160031 | FFC CONNECTOR | 16P 1.0mm | |
| Q327 | KTA1267GR | TRANSISTOR | BI2KTA1267GP000 | | CN602 | BI12P601421U | CONN. WIRE | 6P 120mm | |
| Q401 | KTA1267GR | TRANSISTOR | BI2KTA1267GP000 | | CN603 | BI12P1000351U | CONN. WIRE | 10P 160mm | |
| Q402 | 2SD2144S | TRANSISTOR | BI2SD2144SVP002 | | CN604 | BI12S160033U | FFC CONNECTOR | 16P V 1.25mm | |
| Q403 | KTC3199GR | TRANSISTOR | BI2KTC3199GP000 | | JA301 | BI2301181 | RCA W/R JACK | RCA-213D2 | |
| Q404 | KTC3199GR | TRANSISTOR | BI2KTC3199GP000 | | JA302 | BI2301201 | TERMINAL ANT 4P | PST-404 | |
| Q502 | 2SD2144S | TRANSISTOR | BI2SD2144SVP002 | | JR601 | BIRC0000165A005 | JUMPER | 0 | |
| Q503 | KTC3199GR | TRANSISTOR | BI2KTC3199GP000 | | JR602 | BIRC0000165A005 | JUMPER | 0 | |
| Q504 | KTC3199GR | TRANSISTOR | BI2KTC3199GP000 | | JR603 | BIRC0000165A005 | JUMPER | 0 | |
| Q601 | KTA1267GR | TRANSISTOR | BI2KTA1267GP000 | | LC1 | BI29GFMB3TP0151 | FILTER | GFMB3-T | |
| D1 | 1SS133 | FR DIODE | BI31SS133M0007 | | X1 | BI2100942 | CRYSTAL | 75KHz | |
| D2 | 1SS133 | FR DIODE | BI31SS133M0007 | | X601 | BI2102361 | CRYSTAL | 16.9344MHz | |
| D3 | 1SS133 | FR DIODE | BI31SS133M0007 | | XXXXX | BI11A050M0 | BLACK WIRE | 50mm | |
| D4 | 1SS133 | FR DIODE | BI31SS133M0007 | | XXXXX | BI202426010101 | PLATE ANT | T=0.3mm | |
| D5 | 1SS133 | FR DIODE | BI31SS133M0007 | | XXXXX | BI251206G01V | PWB | MAIN PWB | |
| D7 | BI3SVC203SPP000 | VARACTOR DIODE | SVC203 | | | | | | |
| D8 | BI3SVC203SPP000 | VARACTOR DIODE | SVC203 | | | | | | |
| D9 | 1SS133 | FR DIODE | BI31SS133M0007 | | | | | | |
| D10 | 1SS133 | FR DIODE | BI31SS133M0007 | | | | | | |
| D50 | 1SS133 | FR DIODE | BI31SS133M0007 | | | | | | |
| D51 | 1SS133 | FR DIODE | BI31SS133M0007 | | | | | | |
| D306 | MTZJ9.1B | Z DIODE | BI3MTZJ9.1BM000 | | IC701 | MN101C35D | IC | BI116021 | |
| D307 | MTZJ5.1B | Z DIODE | BI3MTZJ5.1BM0007 | | IC702 | RPM7140 | IC | BI114831 | |
| D308 | 1SS133 | FR DIODE | BI31SS133M0007 | | | | | | |
| D309 | 1SS133 | FR DIODE | BI31SS133M0007 | | Q704 | KTC3195Y | TRANSISTOR | BI2KTC3195YP000 | |
| D310 | 1SS133 | FR DIODE | BI31SS133M0007 | | Q705 | KTC3195Y | TRANSISTOR | BI2KTC3195YP000 | |
| D311 | 1SS133 | FR DIODE | BI31SS133M0007 | | Q711 | KRA102M | TRANSISTOR | BI2KRA102MP0008 | |
| D312 | 1SS133 | FR DIODE | BI31SS133M0007 | | Q713 | DTC114YS | TRANSISTOR | BI2DTC114YSP002 | |
| D313 | 1SS133 | FR DIODE | BI31SS133M0007 | | Q716 | DTC114TK | TRANSISTOR | BI2DTC114TKA011 | |
| D314 | 1SS133 | FR DIODE | BI31SS133M0007 | | Q717 | DTC114TK | TRANSISTOR | BI2DTC114TKA011 | |
| D321 | 1SS133 | FR DIODE | BI31SS133M0007 | | Q718 | DTC114TK | TRANSISTOR | BI2DTC114TKA011 | |
| D322 | 1SS133 | FR DIODE | BI31SS133M0007 | | Q719 | DTC114TK | TRANSISTOR | BI2DTC114TKA011 | |
| D323 | 1N4001 | FR DIODE | BI31N40011 | | Q720 | DTC114TK | TRANSISTOR | BI2DTC114TKA011 | |
| D324 | 1SS133 | FR DIODE | BI31SS133M0007 | | Q721 | DTC114TK | TRANSISTOR | BI2DTC114TKA011 | |

Front board

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

| △ Symbol No. | Part No. | Part Name | Description | Local |
|------------------------|----------|-----------|-------------|-------|
| Block No. [0][2][0][0] | | | | |

| △ Symbol No. | Part No. | Part Name | Description | Local |
|--------------|-----------------|----------------|-----------------|-------|
| Q722 | DTC114TK | TRANSISTOR | BI2DTC114TKA011 | |
| Q723 | DTC114TK | TRANSISTOR | BI2DTC114TKA011 | |
| Q724 | DTC114TK | TRANSISTOR | BI2DTC114TKA011 | |
| Q725 | DTC114TK | TRANSISTOR | BI2DTC114TKA011 | |
| Q726 | DTC114TK | TRANSISTOR | BI2DTC114TKA011 | |
| Q727 | DTC114TK | TRANSISTOR | BI2DTC114TKA011 | |
| Q728 | DTC114TK | TRANSISTOR | BI2DTC114TKA011 | |
| D701 | 1SS133 | FR DIODE | BI31SS133M0007 | |
| D702 | 1SS133 | FR DIODE | BI31SS133M0007 | |
| D703 | 1SS133 | FR DIODE | BI31SS133M0007 | |
| D705 | 1SS133 | FR DIODE | BI31SS133M0007 | |
| D706 | 1SS133 | FR DIODE | BI31SS133M0007 | |
| D1051 | 1SS133 | FR DIODE | BI31SS133M0007 | |
| D1052 | 1SS133 | FR DIODE | BI31SS133M0007 | |
| L702 | BI26100000KM002 | COIL | 10uH | |
| L703 | BI18A843556N000 | FILTER BEAD | 843556 TB36 | |
| L707 | BI26100000KM002 | COIL | 10uH | |
| L1051 | BI26047000KM002 | FIXED INDUCTOR | 4.7uH | |
| L1052 | BI26047000KM002 | FIXED INDUCTOR | 4.7uH | |
| L1053 | BI18A843556N000 | FILTER BEAD | 843556 TB36 | |
| CN701 | BI12S110021 | FFC CONNECTOR | 11P H 1.25mm | |
| CN702 | BI12P601431U | CONN. WIRE | 6P L=50MM | |
| CN703 | BI12P601431U | CONN. WIRE | 6P L=50MM | |
| CN704 | BI1203941 | CABLE | 3P | |
| CN705 | BI1203941 | CABLE | 3P | |
| CN706 | BI12S160034U | FFC CONNECTOR | 16P H 1.25mm | |
| CN707 | BI12S210005 | FFC CONNECTOR | 21P H 1.25mm | |
| FL701 | BI2701941 | FL DISPLAY | 17LM03 41PIN | |
| HJ105 | BI2301211 | MINI JACK | CKX-3.5- 25 | |
| JR1 | BIRC0000085A003 | JUMPER | 0 OHM 1/8W | |
| JR2 | BIRC0000165A005 | JUMPER | 0 OHM 1/16W | |
| JR701 | BIRC0000165A005 | JUMPER | 0 OHM 1/16W | |
| JR702 | BIRC0000165A005 | JUMPER | 0 OHM 1/16W | |
| JR703 | BIRC0000165A005 | JUMPER | 0 OHM 1/16W | |
| JR704 | BIRC0000085A003 | JUMPER | 0 OHM 1/8W | |
| LE701 | BI28B4531EP0110 | RED LED | BL-B4531E | |
| P1 | BI11AT160B0U | BLACK WIRE | IP L=160MM | |
| S1 | BI8EVQ21405P015 | TACT SWITCH | S/TURBO | |
| S2 | BI8EVQ21405P015 | TACT SWITCH | STANDBY | |
| S701 | BI8EVQ21405P015 | TACT SWITCH | REC | |
| S702 | BI8EVQ21405P015 | TACT SWITCH | DUBBING | |
| S703 | BI8EVQ21405P015 | TACT SWITCH | CD REC | |
| S704 | BI8EVQ21405P015 | TACT SWITCH | REPEAT | |
| S705 | BI8EVQ21405P015 | TACT SWITCH | PROGRAM | |
| S706 | BI8EVQ21405P015 | TACT SWITCH | RANDOM | |
| S1002 | BI8EVQ21405P015 | TACT SWITCH | TAPE | |
| S1003 | BI8EVQ21405P015 | TACT SWITCH | AUX | |
| S1004 | BI8EVQ21405P015 | TACT SWITCH | FM/AM | |
| S1005 | BI8EVQ21405P015 | TACT SWITCH | CANCEL | |
| S1006 | BI8EVQ21405P015 | TACT SWITCH | SET | |
| S1007 | BI8EVQ21405P015 | TACT SWITCH | CD | |
| S1008 | BI8EVQ21405P015 | TACT SWITCH | CD1 | |
| S1009 | BI8EVQ21405P015 | TACT SWITCH | CD2 | |
| S1010 | BI8EVQ21405P015 | TACT SWITCH | CD3 | |
| S1011 | BI8EVQ21405P015 | TACT SWITCH | OPEN | |
| S1012 | BI8EVQ21405P015 | TACT SWITCH | DISC/SKIP | |
| S1013 | BI8EVQ21405P015 | TACT SWITCH | TAPE A/B | |
| S1014 | BI8EVQ21405P015 | TACT SWITCH | CLOCK/TIME | |
| S1015 | BI8EVQ21405P015 | TACT SWITCH | STOP | |
| S1016 | BI8EVQ21405P015 | TACT SWITCH | TUN- | |
| S1017 | BI8EVQ21405P015 | TACT SWITCH | TUN+ | |
| S1018 | BI8EVQ21405P015 | TACT SWITCH | RESET- | |
| S1019 | BI8EVQ21405P015 | TACT SWITCH | RESET+ | |
| S1020 | BI8EVQ21405P015 | TACT SWITCH | ROCK | |
| S1021 | BI8EVQ21405P015 | TACT SWITCH | CLASSIC | |
| S1022 | BI8EVQ21405P015 | TACT SWITCH | POPS | |
| S1023 | BI8EVQ21405P015 | TACT SWITCH | A/BASS | |
| SW701 | BI804221 | JOG SWITCH | PVB20FHIN | |
| V1051 | BI12P402511U | CONN. WIRE | 4P L=290mm | |
| X701 | BI29ZTA8.00P015 | C RESONTOR | 8MHz | |
| X702 | BI2102471 | CRYSTAL | 32.768KHz | |
| XXXXX | BI251205G02V | PWB | FRONT PCB | |

Amp. board

| Block No. [0][3][0][0] | | | | |
|------------------------|-----------------|-----------------|-----------------|-------|
| △ Symbol No. | Part No. | Part Name | Description | Local |
| △ IC304 | STK412-030 | IC | BI115001 | |
| Q103 | KTC3199GR | TRANSISTOR | BI2KTC3199GP000 | |
| Q104 | KTA1267GR | TRANSISTOR | BI2KTA1267GP000 | |
| Q105 | KTC3199GR | TRANSISTOR | BI2KTC3199GP000 | |
| Q203 | KTC3199GR | TRANSISTOR | BI2KTC3199GP000 | |
| Q204 | KTA1267GR | TRANSISTOR | BI2KTA1267GP000 | |
| Q205 | KTC3199GR | TRANSISTOR | BI2KTC3199GP000 | |
| Q307 | KTC3199GR | TRANSISTOR | BI2KTC3199GP000 | |
| Q334 | KRA107M | TRANSISTOR | BI2KRA107MP0008 | |
| Q335 | KRA107M | TRANSISTOR | BI2KRA107MP0008 | |
| Q336 | KTC3199GR | TRANSISTOR | BI2KTC3199GP000 | |
| Q337 | KTC3199GR | TRANSISTOR | BI2KTC3199GP000 | |
| Q338 | KTC3199GR | TRANSISTOR | BI2KTC3199GP000 | |
| Q339 | DTC114YS | TRANSISTOR | BI2DTC114YSP002 | |
| Q901 | 8550C | SI.TRANSISTOR | BI28550CP0005 | |
| Q902 | DTC114YS | TRANSISTOR | BI2DTC114YSP002 | |
| Q903 | DTC114YS | TRANSISTOR | BI2DTC114YSP002 | |
| Q904 | KTB1366 | TRANSISTOR | BI2KTB1366Y8 | |
| Q905 | KTC3199GR | TRANSISTOR | BI2KTC3199GP000 | |
| Q906 | KTC3199GR | TRANSISTOR | BI2KTC3199GP000 | |
| Q907 | KTB1366 | TRANSISTOR | BI2KTB1366Y8 | |
| Q909 | KRA107M | TRANSISTOR | BI2KRA107MP0008 | |
| Q911 | KTC3199GR | TRANSISTOR | BI2KTC3199GP000 | |
| Q912 | DTC114ES | TRANSISTOR | BI2DTC114ESP002 | |
| D304 | 1SS133 | FR DIODE | BI31SS133M0007 | |
| D305 | 1SS133 | FR DIODE | BI31SS133M0007 | |
| D325 | 1SS133 | FR DIODE | BI31SS133M0007 | |
| D326 | 1SS133 | FR DIODE | BI31SS133M0007 | |
| D327 | 1SS133 | FR DIODE | BI31SS133M0007 | |
| D331 | 1SS133 | FR DIODE | BI31SS133M0007 | |
| D333 | 1SS133 | FR DIODE | BI31SS133M0007 | |
| D334 | MTZJ15C | Z DIODE | BI3MTZJ15CM0007 | |
| D335 | MTZJ15C | Z DIODE | BI3MTZJ15CM0007 | |
| D336 | 1SS133 | FR DIODE | BI31SS133M0007 | |
| △ D901 | G5SBA60L | DIODE | BI3G5SBA601 | |
| D902 | FR202 | RECTIFIER DIODE | BI3FR202L2F | |
| D903 | FR202 | RECTIFIER DIODE | BI3FR202L2F | |
| D904 | FR202 | RECTIFIER DIODE | BI3FR202L2F | |
| D905 | FR202 | RECTIFIER DIODE | BI3FR202L2F | |
| D906 | BI31N40011 | FR DIODE | 1N4001 | |
| D907 | UZ36BSA | Z DIODE | BI3UZ36BSAM000 | |
| D908 | MTZJ6.2B | Z DIODE | BI3MTZJ6.2BM000 | |
| D909 | 1SS133 | FR DIODE | BI31SS133M0007 | |
| D910 | MTZJ6.2B | Z DIODE | BI3MTZJ6.2BM000 | |
| D911 | MTZJ5.6B | Z DIODE | BI3MTZJ5.6BM000 | |
| D912 | MTZJ13B | Z DIODE | BI3MTZJ13BM000 | |
| D913 | MTZJ12C | Z DIODE | BI3MTZJ12CM000 | |
| △ D914 | RS402M | RECTIFIER | BI3RS402M1 | |
| D916 | 1SS133 | FR DIODE | BI31SS133M0007 | |
| △ C901 | BICM682101KP015 | M CAPACITOR | 0.0068UF/100V | |
| △ C902 | BICM682101KP015 | M CAPACITOR | 0.0068UF/100V | |
| △ C903 | BICM682101KP015 | M CAPACITOR | 0.0068UF/100V | |
| △ C904 | BICM682101KP015 | M CAPACITOR | 0.0068UF/100V | |
| △ C905 | BICE33865M2 | E CAPACITOR | 3300UF 65V | |
| △ C906 | BICE33865M2 | E CAPACITOR | 3300UF 65V | |
| △ C923 | BICM682101KP015 | M CAPACITOR | 0.0068UF/100V | |
| △ C924 | BICM682101KP015 | M CAPACITOR | 0.0068UF/100V | |
| △ C925 | BICM682101KP015 | M CAPACITOR | 0.0068UF/100V | |
| △ C926 | BICM682101KP015 | M CAPACITOR | 0.0068UF/100V | |
| △ C927 | BICE47835M61 | E CAPACITOR | 4700UF/35 | |
| △ C928 | BICE47835M61 | E CAPACITOR | 4700UF/35 | |
| R3 | BIRC3920085M000 | C RESISTOR | 3.9 OHM | |
| R390 | 1SS133 | FR DIODE | BI31SS133M0007 | |
| R919 | BIRC6840085M000 | C RESISTOR | 680K OHM | |
| L101 | BI2601141 | COIL | 3.0UH | |
| L201 | BI2601141 | COIL | 3.0UH | |
| CN307 | BI12S90024U | CONNECTOR | 9P P=1.25mm | |
| CN701 | BI12S110020 | CONNECTOR | 11P | |

| △ Symbol No. | Part No. | Part Name | Description | Local |
|--------------|--------------|-----------|-------------|-------|
| CN951 | BI12S90025U | CONNECTOR | 9P P=2.5mm | |
| RY301 | BI8RL00071 | RELAY | G5PA-2 | |
| XXXXX | BI251217G03V | PWB | | |

Power trans board

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

| △ Symbol No. | Part No. | Part Name | Description | Local |
|--------------|----------------|---------------|-------------|-------|
| △ C951 | BICT224275M | CAPACITOR | 0.22UF 275V | |
| △ R951 | BIRC3352 | RESISOTOR | 3.3M OHM | |
| F951A | BI201196010101 | FUSE HOLD | CX-NV300 | |
| F951B | BI201196010101 | FUSE HOLD | CX-NV300 | |
| F952A | BI201196010101 | FUSE HOLD | CX-NV300 | |
| F952B | BI201196010101 | FUSE HOLD | CX-NV300 | |
| FW951 | BI12P900551U | CONNETOR ASSY | 9P | |
| △ TB901 | BI201323010101 | TERMINAL | 1P | |
| △ TB902 | BI201323010101 | TERMINAL | 1P | |
| XXXXX | BI251223G01V | PWB | 1.6MM | |

Wiring assembly

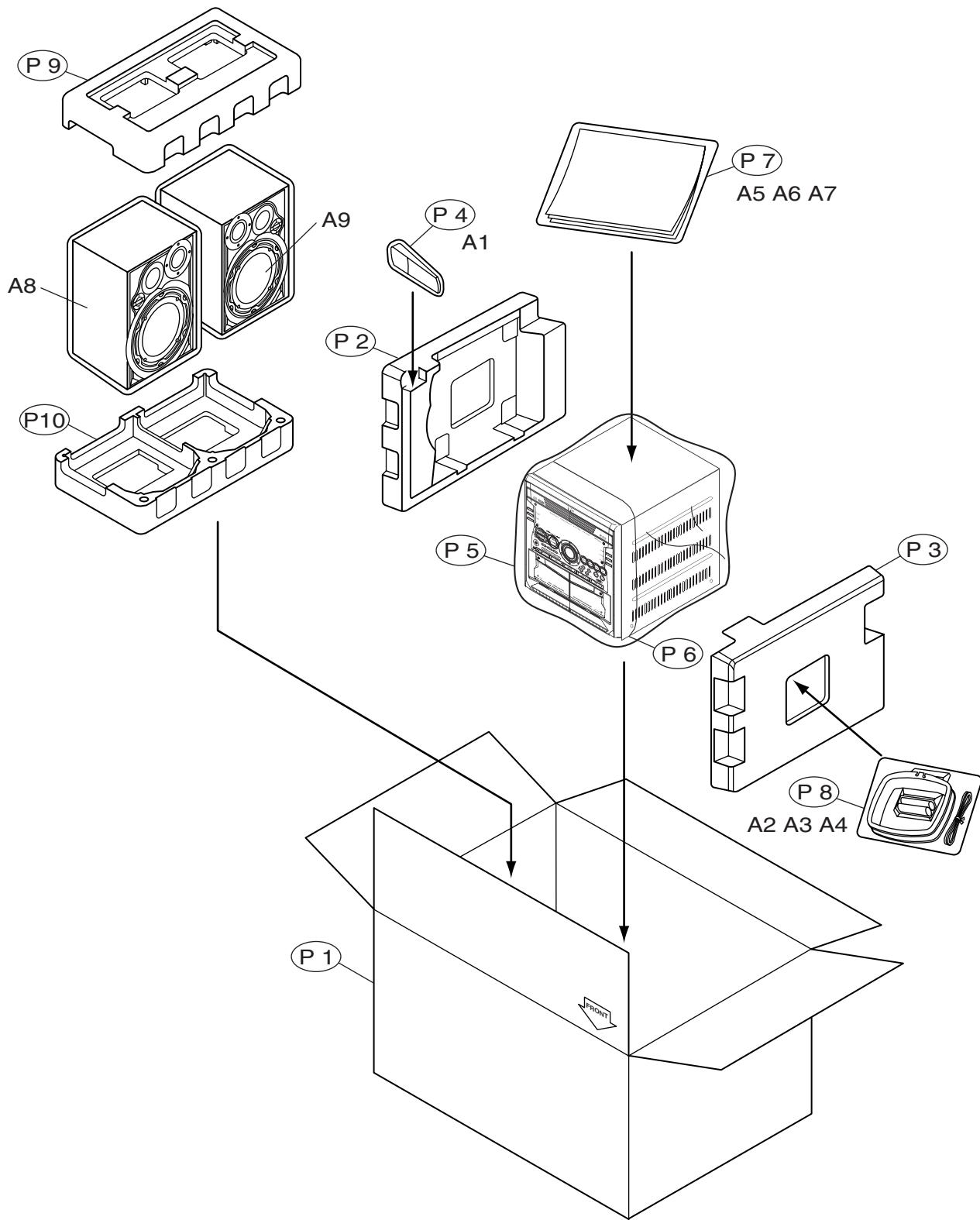
Block No. [0][5][0][0]

| △ Symbol No. | Part No. | Part Name | Description | Local |
|--------------|--------------|------------|-------------|-------|
| CN305 | BI1205441U | FF-CABLE | 11P | |
| CN306 | BI1205261U | FF-CABLE | 9P | |
| CN309 | BI1205241U | FF-CABLE | 21P | |
| CN601 | BI1205291U | FF-CABLE | 16P | |
| CN604 | BI1205251U | FF-CABLE | 16P | |
| CN701 | BI1205281U | FF-CABLE | 11P | |
| DECK | BI12P302151U | WIRE 360MM | 3P | |
| DECK | BI12P801021U | WIRE 485MM | 8P | |
| DECK | BI11AT065B0U | WIRE 73MM | 1P | |

<MEMO>

Packing materials and accessories parts list

Block No. M 3 M M



Packing and accessories

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

| △ Symbol No. | Part No. | Part Name | Description | Local |
|--------------|-----------------|----------------|---------------------------|-------|
| A 1 | BI600MKB30050 | REMOTE CONTROL | | |
| A 2 | ----- | BATTERY | (x2) | |
| A 3 | BIAN01031 | AM LOOP ANT | | |
| A 4 | BIAN01012 | ANT WIRE | | |
| A 5 | BI4032613U | WARRANTY CARD | BT-51034-1(0301) J | |
| A 5 | BI4032823 | WARRANTY CARD | BT-52006-2(1002) C | |
| A 6 | BI4032603U | SAFTEY CARD | | |
| A 7 | BI4412871U | INST BOOK | LVT1191-001A (ENG) | J |
| A 7 | BI4412941U | INST BOOK | LVT1191-002A (ENG FRE) | C |
| A 8 | MXKB30J-SPBOX-L | SPEAKER BOX L | | |
| A 9 | MXKB30J-SPBOX-R | SPEAKER BOX R | | |
| P 1 | BI4314011U | CARTON BOX | | J |
| P 1 | BI4314161U | CARTON BOX | | C |
| P 2 | BI4512251 | POLY FORM | LEFT | |
| P 3 | BI4512261 | POLY FORM | RIGHT | |
| P 4 | BI4005355 | POLY BAG | REMOTE CONTROL | |
| P 5 | BI4710322U | POLY BAG | SET | |
| P 6 | BI4511451 | EPE FOAM PAPER | SET | |
| P 7 | BI4710312U | POLY BAG | INST BOOK | |
| P 8 | BI4710572U | POLY BAG | ANT LOOP | |
| P 9 | BI4513181U | POLY FORM | SP-BOX TOP | |
| P 10 | BI4513191U | POLY FORM | SP-BOX BOTTOM | |