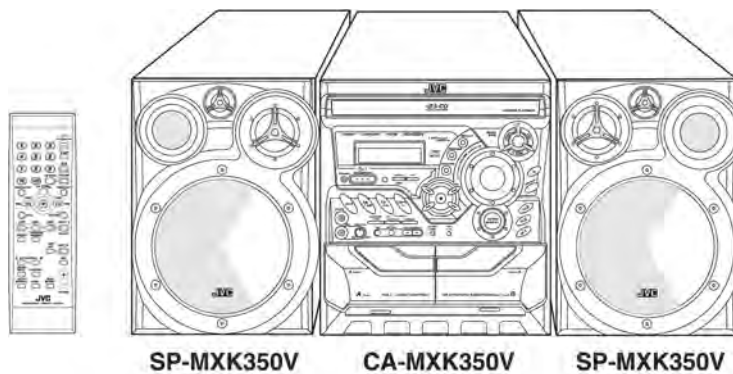


# JVC

# SERVICE MANUAL

COMPACT COMPONENT SYSTEM

## MX-K350V



**Area Suffix**

US ..... SINGAPORE  
 UX ..... SAUDI

### Contents

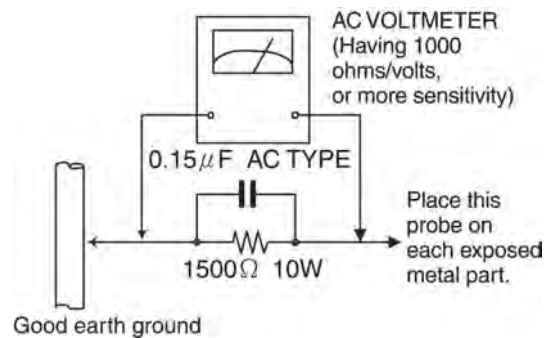
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## Safety Precautions

1. This design of this product contains special hardware and many circuits and components specially or safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Services should be performed by qualified personnel only.
2. Alterations of the design or circuitry of the product should not be made. Any design alterations of the product should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the 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 ( $\triangle$ ) 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 re-assembling.
5. Leakage current check (Electrical shock hazard testing)

After re-assembling the product, always perform an isolation check on the exposed metal parts of the product (antenna terminals, knobs, metal cabinet, screw heads, headphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock. Do not use a line isolation transformer during this check.

- Plug the AC line cord directly into the AC outlet. Using a "Leakage Current Tester", measure the leakage current from each exposed metal parts of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground. Any leakage current must not exceed 0.5mA AC (r.m.s.)
- Alternate check method  
Plug the AC line cord directly into the AC outlet. Use an AC voltmeter having, 1,000 ohms per volt or more sensitivity in the following manner. Connect a 1,500  $\Omega$  10W resistor paralleled by a 0.15  $\mu$  F AC-type capacitor between an exposed metal part and a known good earth ground. Measure the AC voltage across the resistor with the AC voltmeter.  
Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Voltage measured Any must not exceed 0.75 V AC (r.m.s.). This corresponds to 0.5 mA AC (r.m.s.).



## 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.

## $\triangle$ 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.**

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 " $\triangle$ " 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. (Except the J and C version)

# Important for laser products

1. **CLASS 1 LASER PRODUCT**
2. **DANGER** : Invisible laser radiation when open and interlock failed or defeated. Avoid direct exposure to beam.
3. **CAUTION** : There are no serviceable parts inside the Laser Unit. Do not disassemble the Laser Unit. Replace the complete Laser Unit if it malfunctions.
4. **CAUTION** : The compact disc player uses invisible laser radiation and is equipped with safety switches which prevent emission of radiation when the drawer is open and the safety interlocks have failed or are defeated. It is dangerous to defeat the safety switches.

5. **CAUTION** : If safety switches malfunction, the laser is able to function.
6. **CAUTION** : Use of controls, adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

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

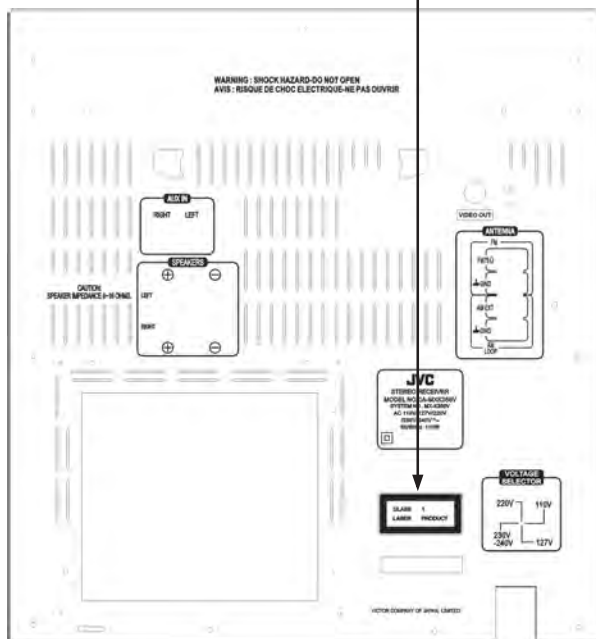
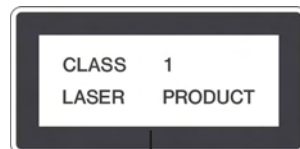
**VARNING** : Osynlig laserstråling är denna del är öppnad och spårren är urkopplad. Betrakta ej strålen.

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

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

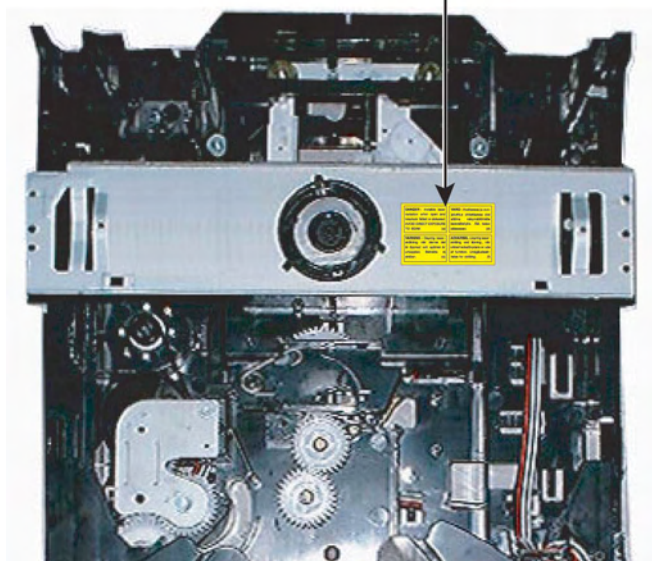
**ADVARSEL** : Usynlig laserstråling ved åbning, når sikkerhedsbryteren er avslott. Unngå utsettelse for stråling.

## REPRODUCTION AND POSITION OF LABELS



## WARNING LABEL

<b>DANGER</b> : Invisible laser radiation when open and interlock failed or defeated. AVOID DIRECT EXPOSURE TO BEAM (e)	<b>VARO</b> : Avattaessa ja suojalukitus ohitettaessa olet allttiina näkymättömälle lasersäteilylle. Älä katso säteeseen. (d)
<b>VARNING</b> : Osynlig laserstråling når denna del är öppnad och spårren är urkopplad. Betrakta ej strålen. (s)	<b>ADVARSEL</b> : Usynlig laserstråling ved åbning, når sikkerhedsafbrydere er ude af funktion. Undgå udsættelse for stråling. (f)



# Preventing static electricity

## 1. Grounding to prevent damage by 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.

## 2. About the earth processing for the destruction prevention by static electricity

In the equipment which uses optical pick-up (laser diode), optical pick-up is destroyed by the static electricity of the work environment.

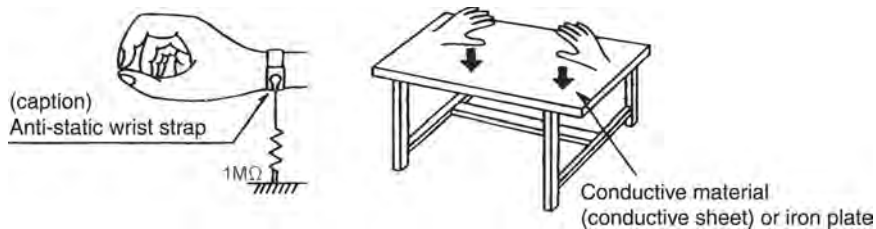
Be careful to use proper grounding in the area where repairs are being performed.

### 2-1 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.

### 2-2 Ground yourself

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



## 3. Handling the optical pickup

1. 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.)
2. 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.

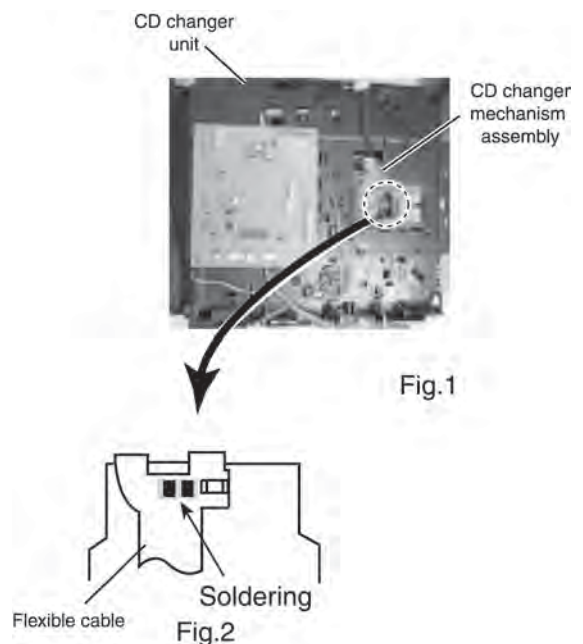
## 4. Handling the CD changer unit (optical pickup)

1. Do not subject the CD changer 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 CD changer 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.

## Attention when traverse unit is decomposed

\* Please refer to "Disassembly method" in the text for pick up and how to detach the CD changer mechanism.

1. Remove the CD changer unit.
2. Disconnect the harness from connector on the CD motor board.
3. Solder is put up before the card wire is removed from connector Cn601 on the main board as shown in Fig.1 and Fig. 2. (When the wire is removed without putting up solder, the CD pick-up assembly might destroy.)
4. Please remove solder after connecting the card wire with CN601 when you install picking up in the substrate.



# Disassembly method

Commence disassembly of this set by removing the main units and then proceed to the components and assemblies inside the units.

## Replacement of the fuses and the power IC

- Top cover
- CD changer unit
- Front panel assembly
- Chassis unit
  
- CD changer unit
  - Removing the main PCB
  - Removing the CD changer mechanism assembly
  - Removing the CD pickup
  - Replacing the loading motor and belt of the CD changer tray
  - Replacing the CD tray rotor belt of CD changer, and removing the motor
  
- Front panel assembly
  - Removing the cassette deck mechanism
  - Removing the earphone jack PCB
  - Removing the control/FL PCB
  - Removing the switch PCB and ACTIVE BASS EX. switch PCB
  - Removing the cassette deck main motor, and replacing the main belts
  - Removing the leaf switches of the cassette deck mechanism
  - Removing the cassette deck heads
  
- Chassis unit
  - Removing the 3-pin regulator
  - Removing the power amp and supply PCB and the Power Trans PCB
  - Removing the sub power PCB

**<Disassembly of the main blocks of this set>**

**Replacement of the fuses and the power IC**

**■ Replacing the fuses (See Fig.1, Fig.3)**

- Prior to performing the following procedure, remove the left side BOARD and remove tuner PCB (Fig.3, BB)

1. Replace the fuses inside.

**[Caution]** Be sure to use fuses with the specified ratings.

**■ Replacing the power IC (See Fig.2 )**

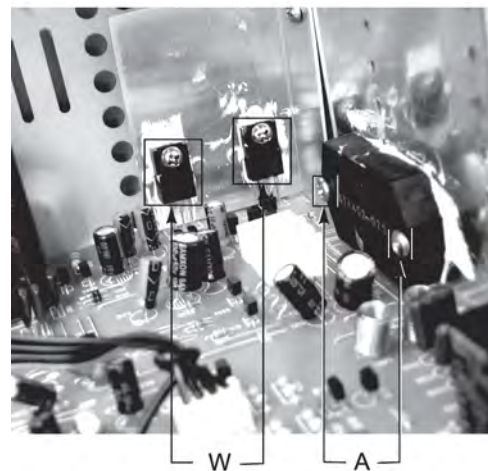
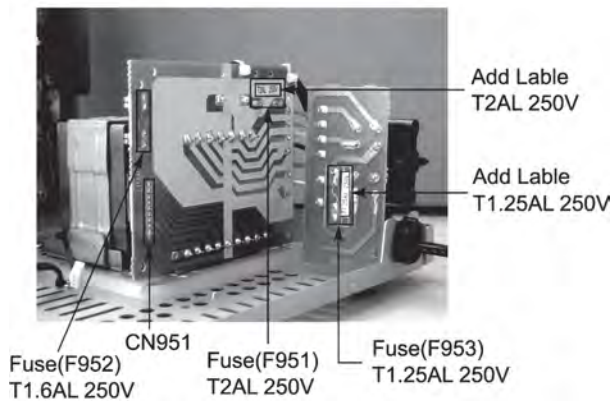
- Prior to performing the following procedure, remove the top cover.

1. Remove the two screws " A " from the heat sink between the power IC.

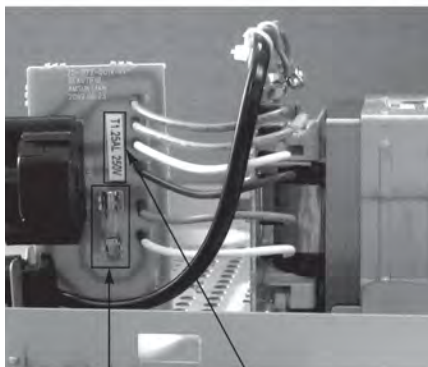
2. Remove the solder fixing the power IC.

Fig.2

Bottom side Fig.1(A)



Component side Fig.1(B1)



**■ Replacing the heat sink cover**

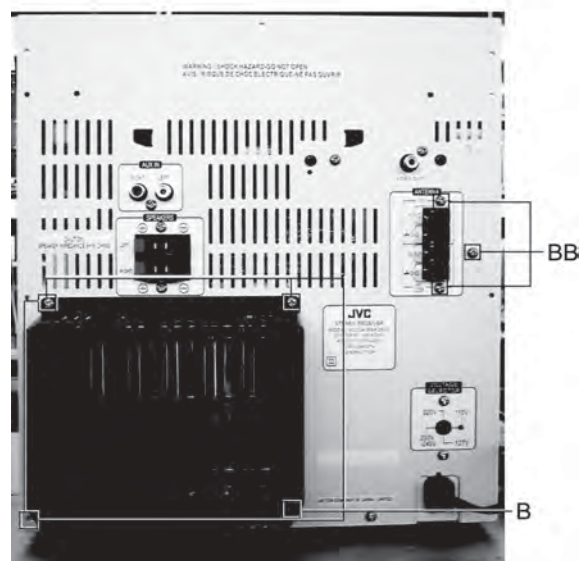
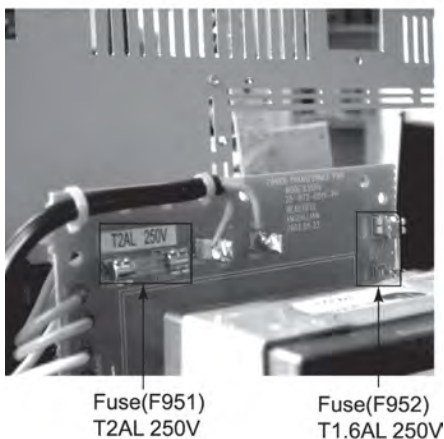
1. Remove the six screws from the back panel.

2. Pull the heat sink cover outward.

Fig.3



Component side Fig.1(B2)



## ■ Removing the top cover and two sides BOARD (See Fig.4 and 5)

1. Remove the six screws " B " that retain the top cover from the rear of the body.
2. Remove the eight screws " C " and " D " that retain the top from the two sides of the body.
3. Remove the top cover from the body by lifting it toward the rear.

Fig.4

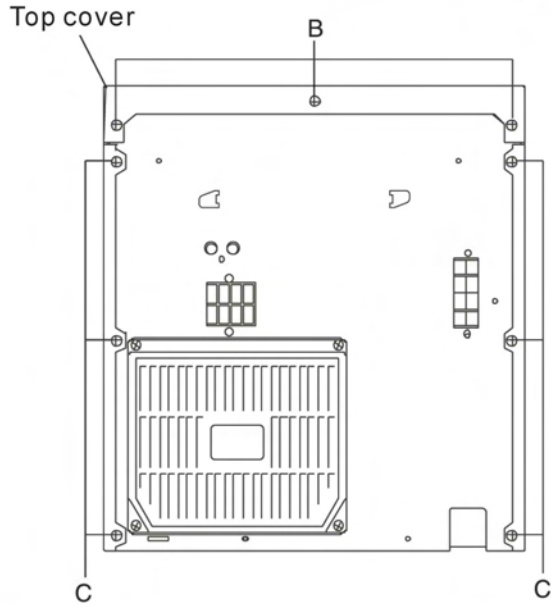


Fig.5 (A)

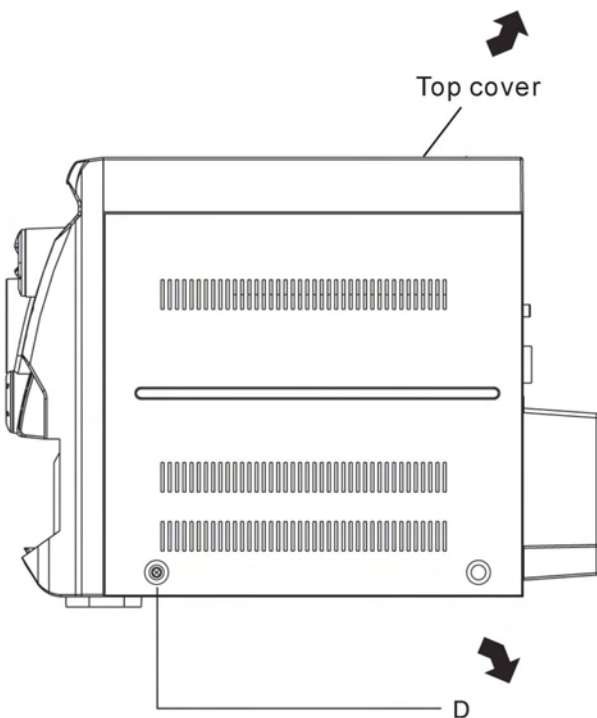
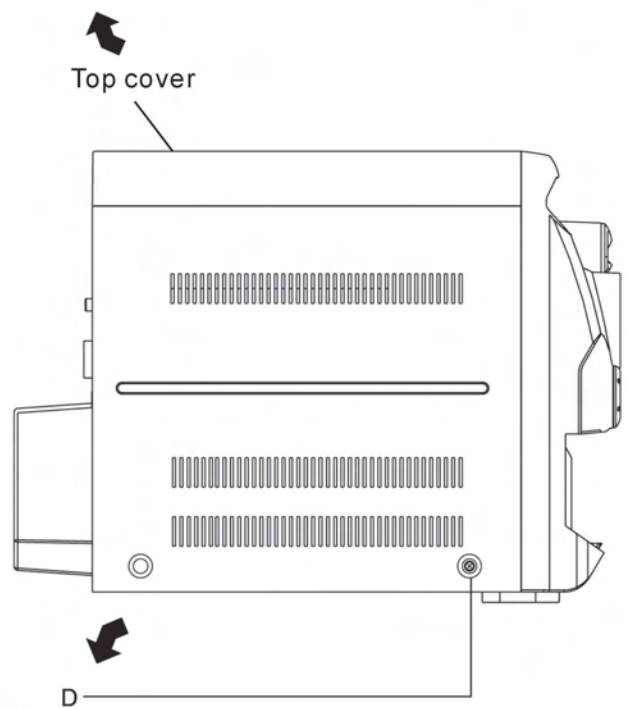


Fig.5 (B)



**■ Removing the CD changer unit**  
 (See Fig.6 and 9)

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

**[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.
- Disconnect the card wires from the CD PCB CN704, CN607, CN1101 and disconnect CN1 (shield wire) from back panel.
  - From the rear of the set, remove the two screws " E " and two screws " G " on the front panel left and right side.
  - Handle the CD changer unit rear, take out unit.

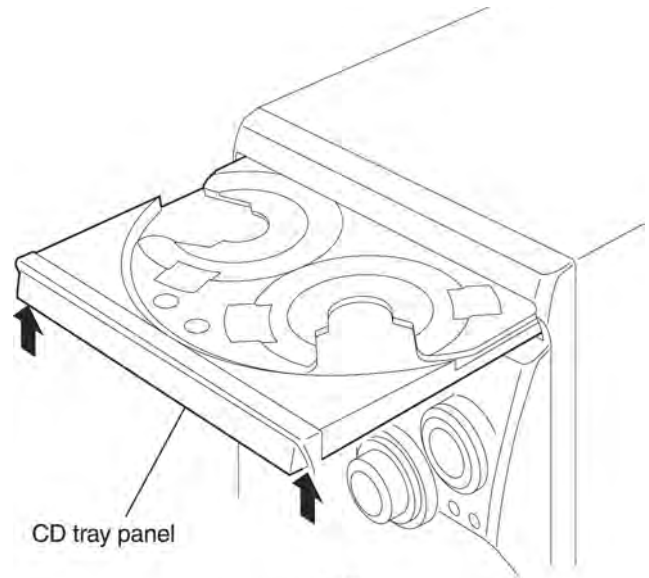


Fig.7

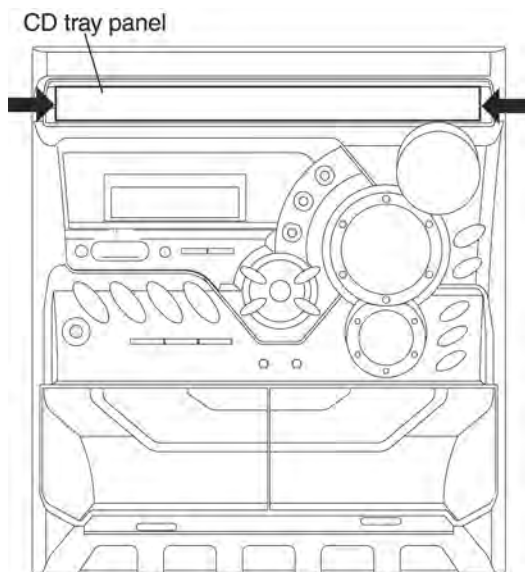


Fig.6

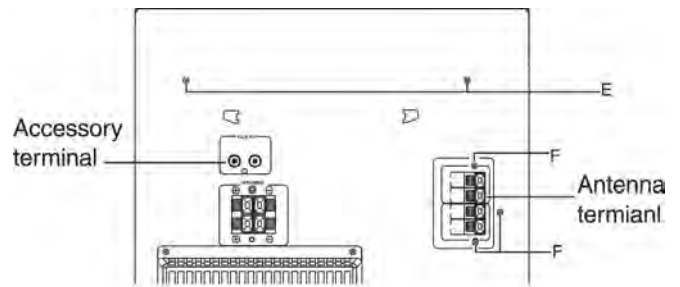


Fig.8

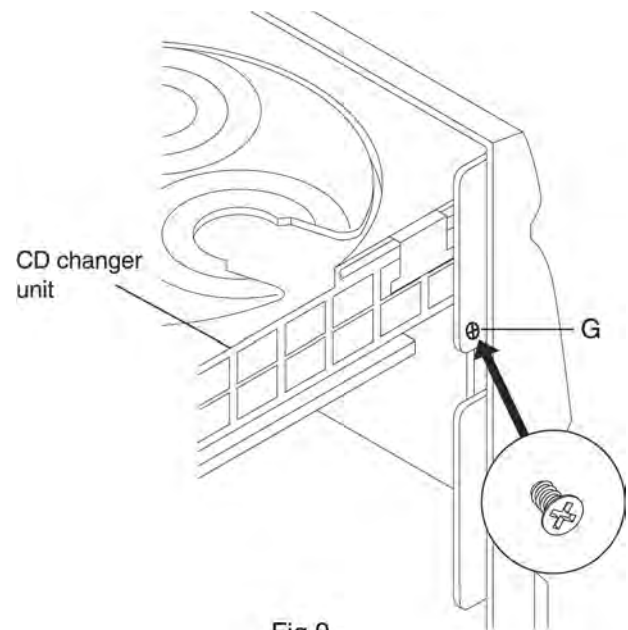


Fig.9



## ■ Removing the front panel assembly (See Fig.10 and 11)

- Prior to performing the following procedures, remove the top cover and both sides board.
  - Also remove the CD changer unit.
1. Disconnect the parallel wire and card wire from the connectors CN702, CN701, CN703, CN850 on the power amp and supply PCB.
  2. Remove the two screws " H " retaining the front panel assembly onto the bottom of the body.
  3. Remove the screw " I " retaining the cassette deck mechanism and then remove then GND lug " b " that comes from the power amp and supply PCB.
  4. Disengage the claws " c " on both sides at the bottom of the front panel assembly and then remove the assembly.

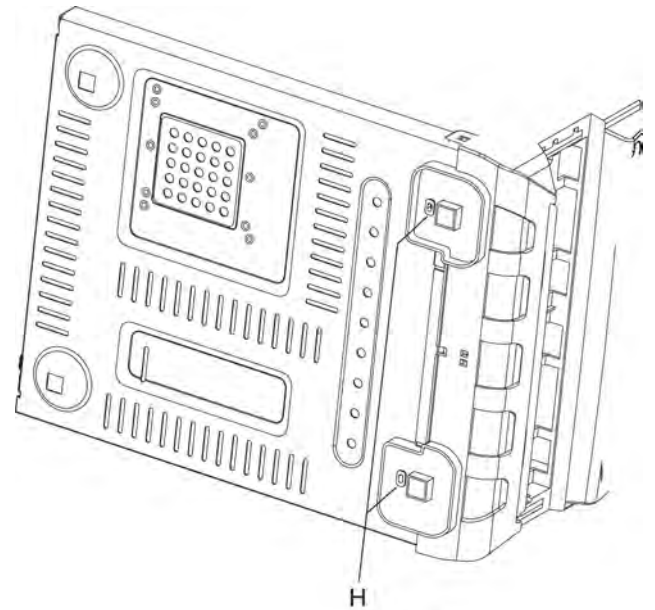


Fig.10

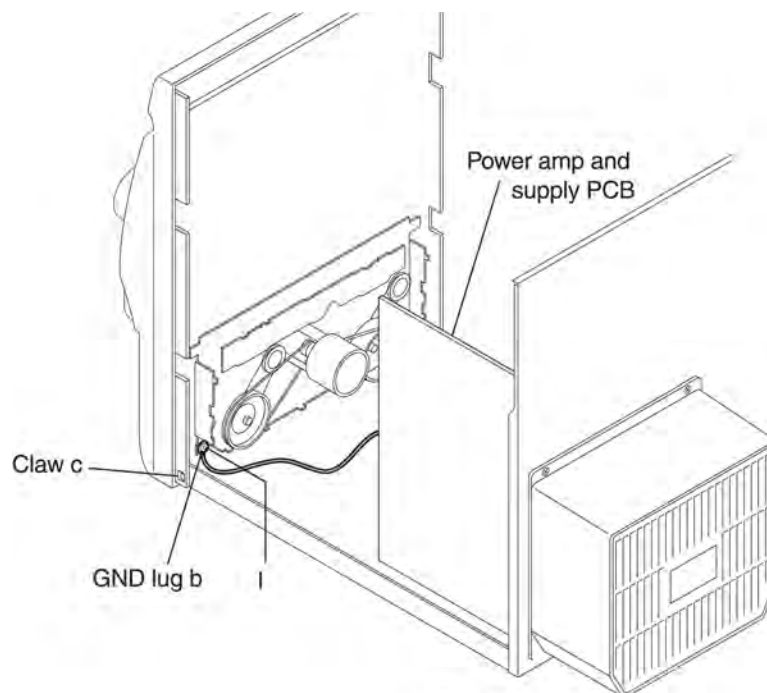


Fig.11

<Disassembly of units and assembly inside this set>

Fig.12(B)

■ Removing the CD PCB

(See Fig.12 and 13)

- Prior to performing the following procedures, remove the top cover and both sides board.
  - Also remove the CD changer unit.
1. The two screws " E " that retain the VCD assembly should be removed.
  2. Disconnect the wires from CN602, CN603, CN604 and CN605 on the CD PCB, which is located on the back side of the CD changer unit.
  3. The two screws " J " that retain the CD PCB should be removed.
  4. Remove the CD PCB by pulling it toward the side where the CN601 is located.
  5. 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.

6. Disconnect the card wire from the connector CN601 on the main PCB and then remove the main PCB.

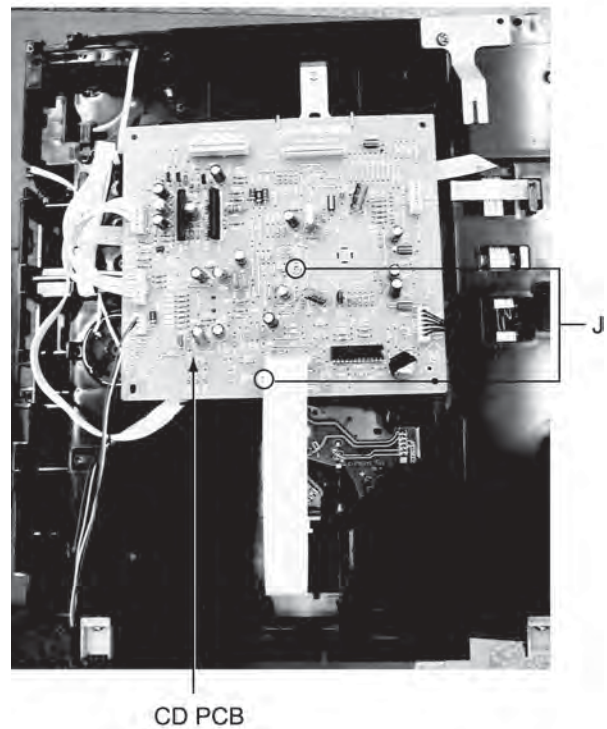


Fig.12(A)

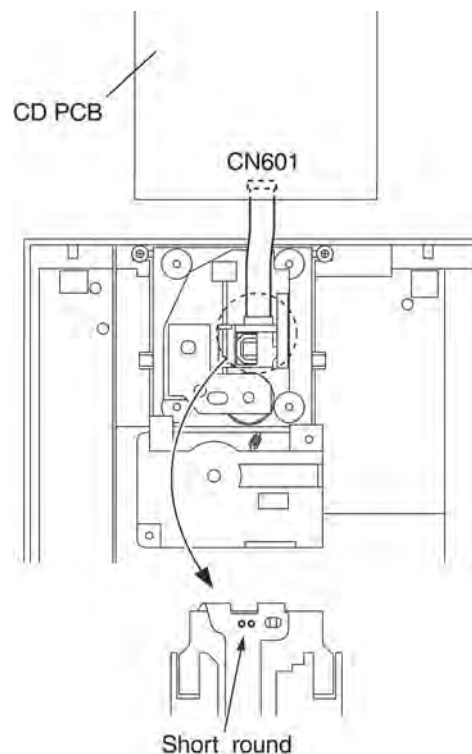
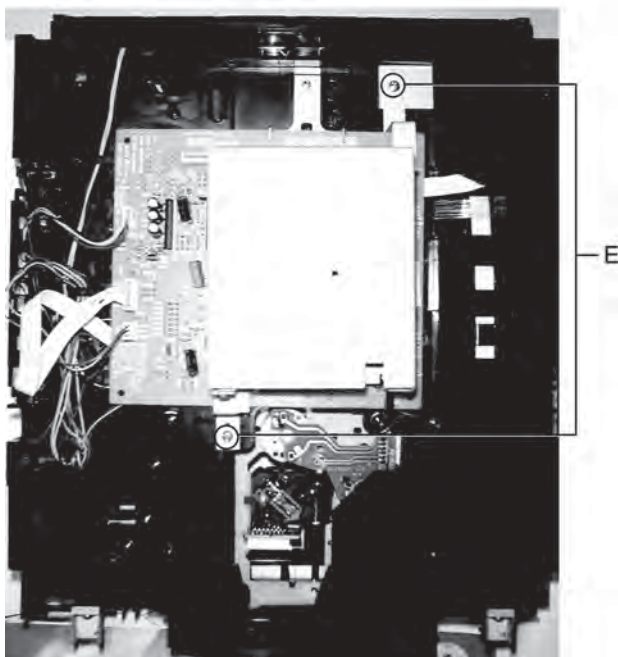


Fig.13

■ **Removing the CD changer mechanism assembly** (See Fig.14 and 16)

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

1. Remove the screws " d " from the front chuch base of the CD changer mechanism unit.
2. Turn the CD changer mechanism cover base and remove the screws " e " connecting the unit to the CD changer mechanism assembly.
3. Removing the four screws " k " 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.

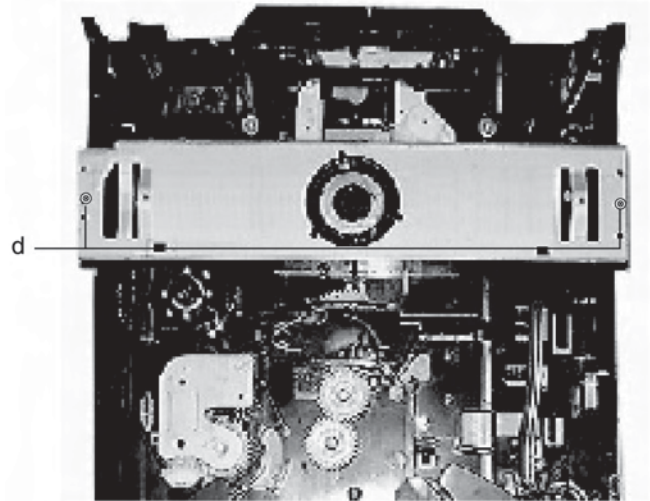


Fig.14

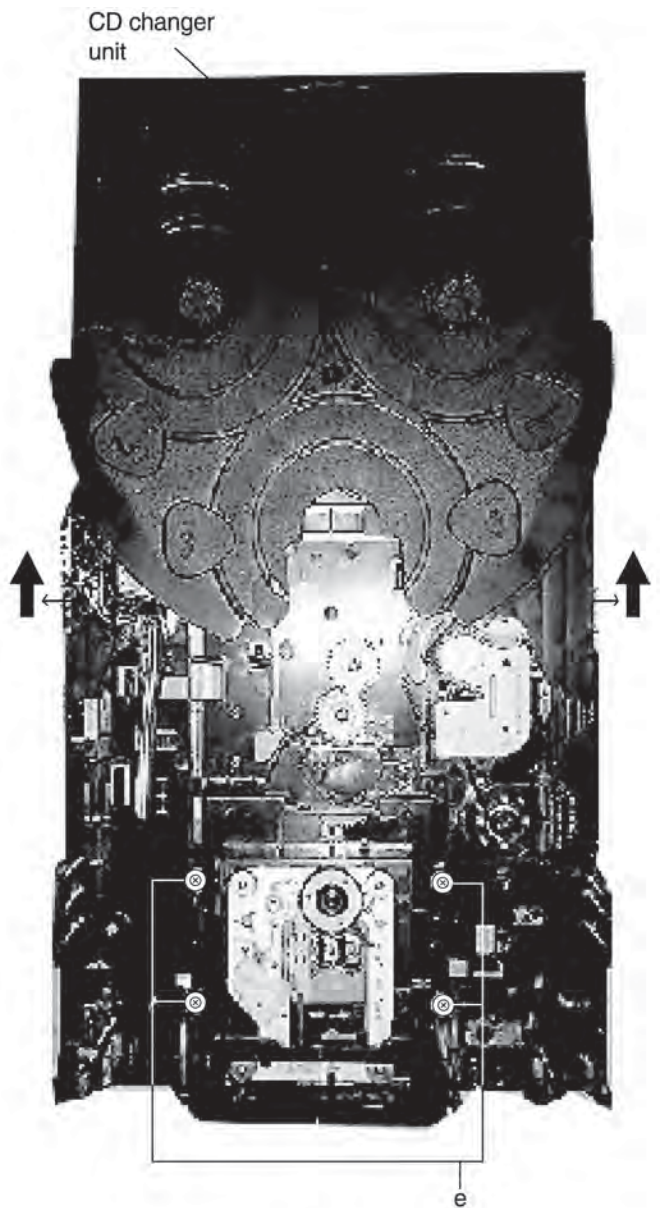


Fig.15

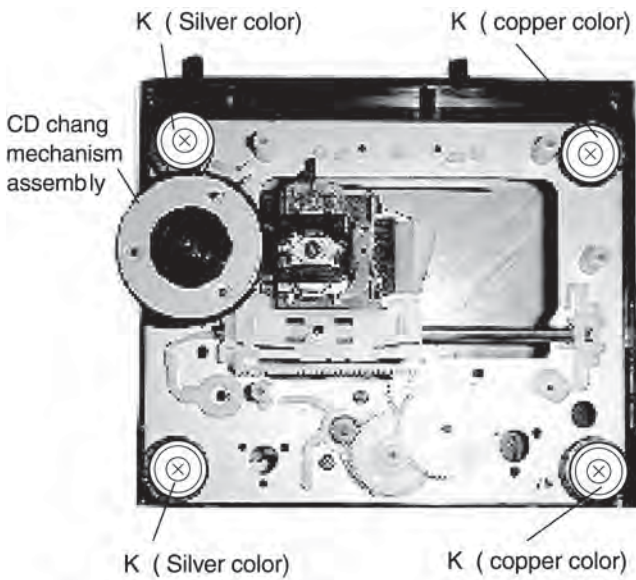
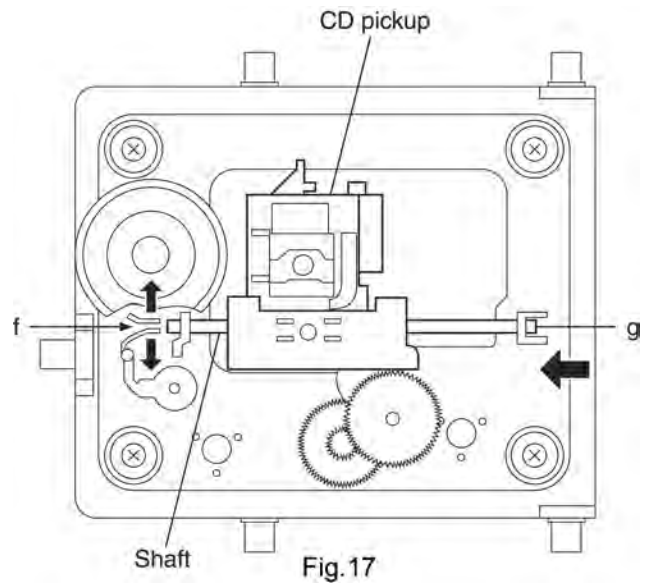


Fig.16

**■ Removing the CD PCB (See Fig.17)**

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



**■ Replacing the loading motor and rotor belt of the CD changer (See Fig.18)**

- Prior to performing the following procedure, 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.

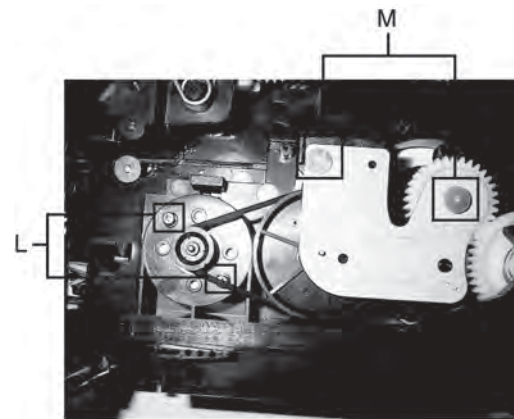


Fig.18

**■ Replacing the CD turn table and removing the motor (See Fig. 19 and 20)**

- 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 (u/~ ward) to remove.
5. Remove the gear and after push out the tray motor locker and pull out the tray motor from the CD tray.

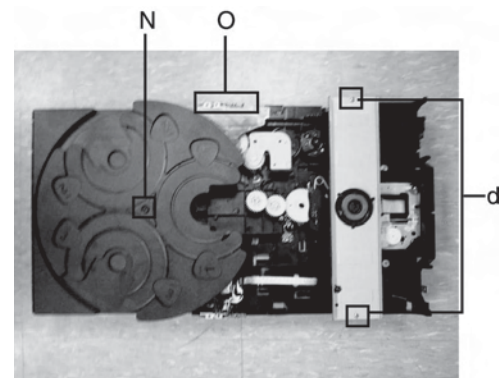


Fig.19

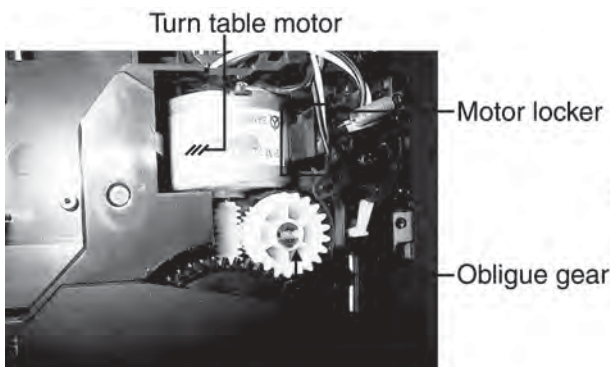


Fig.20

**■ Removing the cassette deck mechanism**  
(See Fig.21)

- Prior to performing the following procedure, remove the top cover and both sides board.
  - Also remove the CD changer unit.
  - Also remove the front panel assembly.
1. Remove the five screws " Z " retaining the cassette deck mechanism.

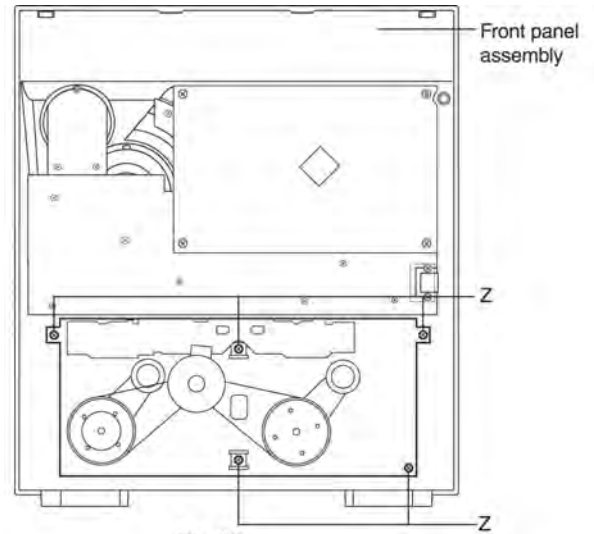


Fig.21

**■ Removing the earphone jack PCB And Mic Jack PCB**  
(See Fig.22)

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

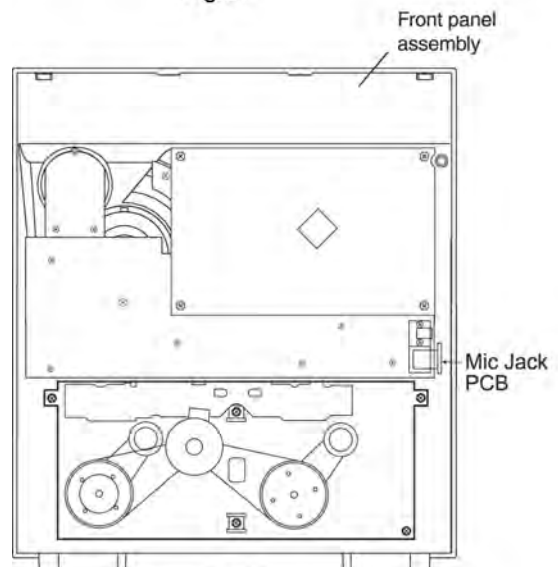


Fig.22

**■ Removing the control/FL PCB**  
(See Fig.23)

- Prior to performing the following procedure, remove the top cover and both sides board. Also remove the CD changer unit.
  - Also remove the CD changer unit.
  - Also remove the front panel assembly.
1. Remove the four screws " Q " that retain the control/FL PCB from the back of the front panel unit.

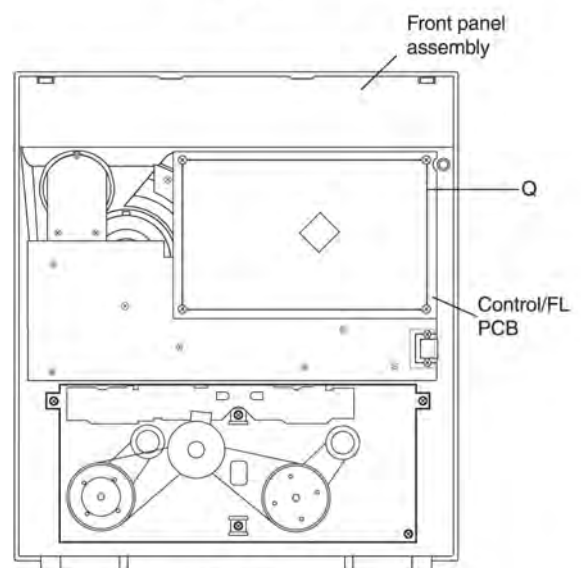


Fig.23

**■ Removing the switch PCB and sound mode and CD function switch PCB**

(See Fig.23 to 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. Pull out the volume control knob and MIC Volume Knob from the front of the front panel assembly.
  2. Remove the four screws " Q " retaining the front panel assembly.
  3. Remove the control / FL PCB.
  4. Remove the eleven screws " R " retaining the switch (key 1) PCB.
  5. Remove the three screws " S " retaining the sound mode (key 2) switch PCB.
  6. Remove two screws " T " retaining the CD function (key 3) switch PCB.

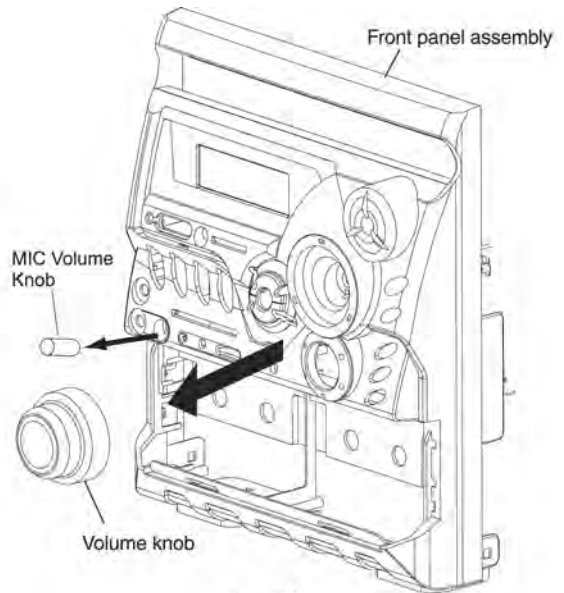


Fig.24

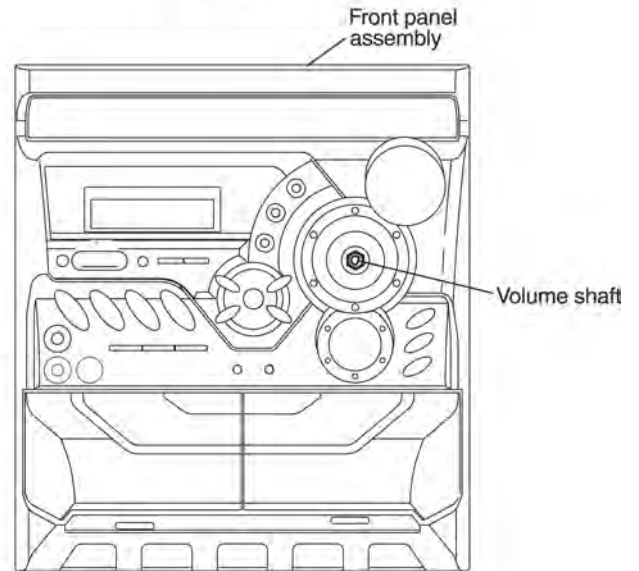


Fig.25

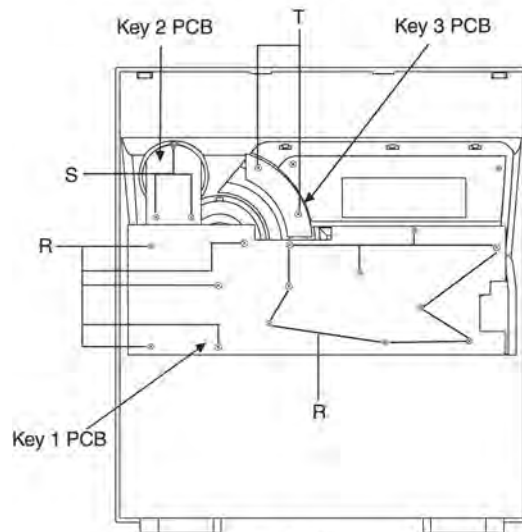


Fig.26

## ■ Removing the cassette deck main motor, and replacing the main belts

(See Fig. 21, 27 and 28)

- 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 five screws " z " retaining the cassette deck mechanism.
  2. Remove the cassette deck mechanism.
  3. Remove the 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.

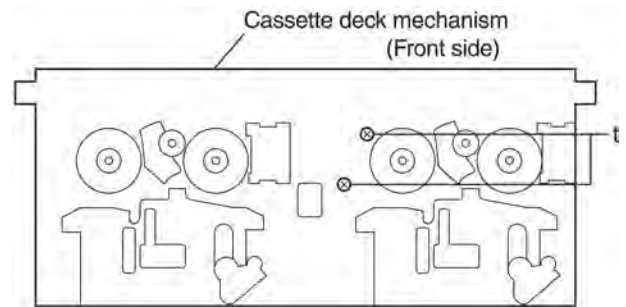


Fig.27

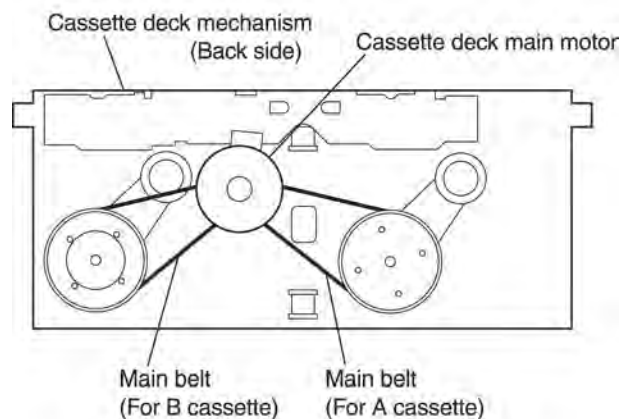


Fig.28

## ■ Removing the leaf switches of the cassette deck mechanism

(See Fig. 21 and 29)

- 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 five screws " O " that retain the cassette deck mechanism.
  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.

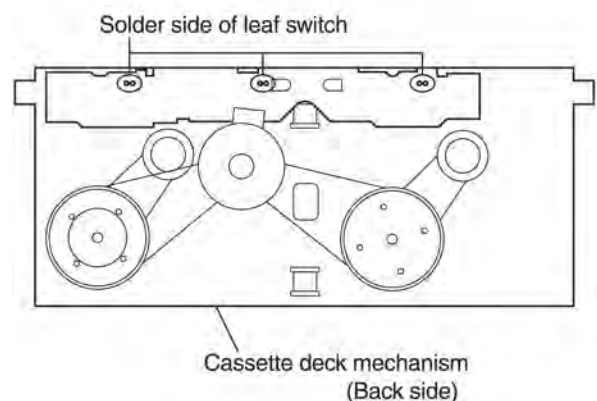


Fig.29

## ■ Removing the cassette deck heads

(See Fig.21 to 30)

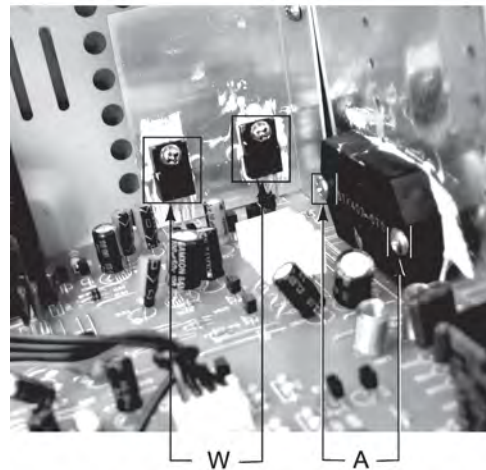
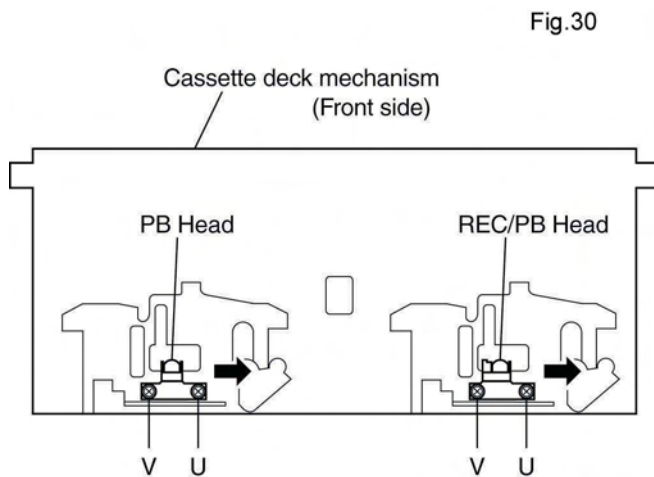
- Prior to performing the following procedures, remove the top cover and both sides board.
  - Also remove the CD changer unit.
  - Also remove the front panel assembly.
1. Remove the five screws " O " that retain the cassette deck mechanism.
  2. Remove the cassette deck mechanism and place it so that the front side faces up.
  3. Remove the solder from the bottom side of the head terminal and disconnect the wire.
  4. Remove the screw " U " that retains the head.
  5. Remove the screw " V " that retains the head.
  6. Hold the head and slide it in the direction of the arrow to remove it.

## ■ Removing the 3-pin regulator

(See Q904, Q907, 31)

- Prior to performing the following procedures, remove the top cover and both sides board.
1. Remove the two screws " A " that connect the heat sink cover to the rear panel.
  2. Pull the heat sink outward.
  3. Remove the screw " W " that retains the heat sink the 3-pin terminal regulator Q904,Q907.
  4. Remove the solder fixing the 3-pin regulator.

Fig.31





## ■ Removing the power amp and supply PCB and the power trans PCB

(See Fig. 2, 32 to 34)

- Prior to performing the following procedures, remove the top cover and both sides board.
  - Also remove heat sink cover.(Fig.3)
1. Remove the two screws " A " connecting the heat sink cover to the rear panel.(Fig.2)
  2. Pull out the heat sink cover toward you.
  3. Remove four(CA-MXK350V) screws " AA" form the MX-K350V back panel between the heat sink.
  4. Remove the three screws " X " that retain the speaker terminals and aux terminal.
  5. Remove the screw " YY " and " Y " that retains the rear panel, and AC switch screw then remove the rear panel.
  6. Disconnect the parallel wires from the connectors FW951 on the power trans PCB.
  7. Remove the screw " Z " that retain the power amp and supply PCB and then remove the assembly.
  8. Remove the clamp of AC power cord from the chassis.
  9. Remove the four screws " AB " that retain the power trans PCB and then remove the assembly.

Fig.33

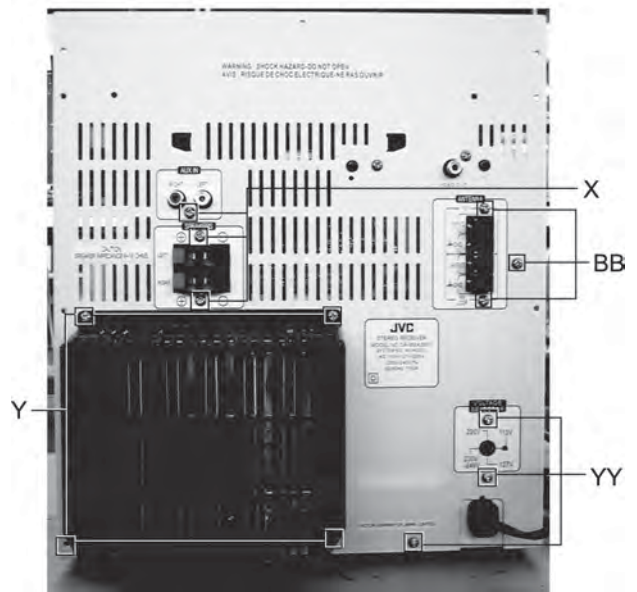
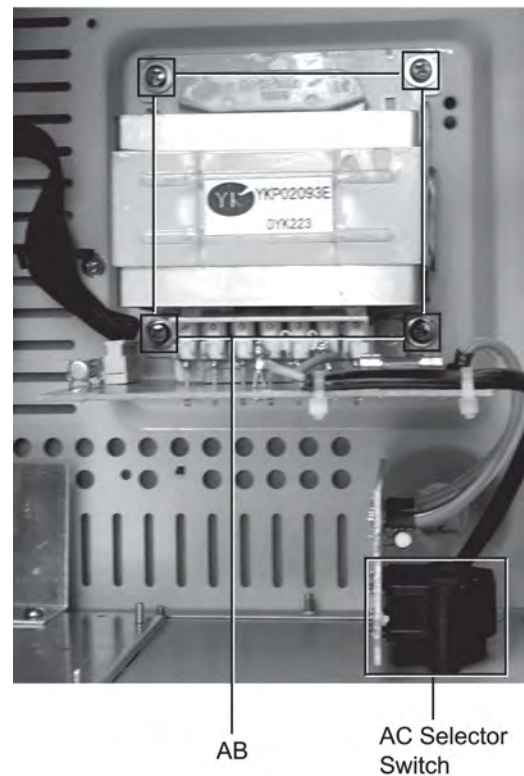
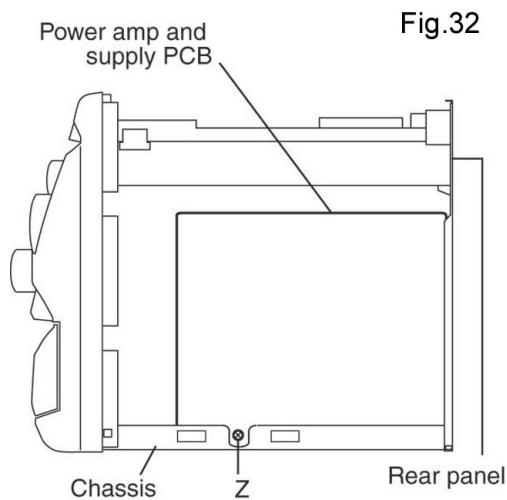


Fig.34



# Adjustment method

## 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 : 600ohm
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),Play back frequency characteristics(1kHz), and dubbing frequency characteristics (63,1,10kHz)
7. Blank tape  
TAPE I : AC-225
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), CD-T05A
10. Jitter meter
11. Television

## Measurement conditions

(Select correct AC Line Volt.)

Power supply voltage  
AC110/127/220/230-240V (50/60Hz) US/UX

Measurement  
output terminal : Speaker out  
: TP101(Measuring for TUNER DECK/CD/VCD)  
: Dummy load 6ohm

## Adio input signal

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

## Frequency Range

AM US: 531kHz~1629kHz (9kHz)  
530kHz~1710kHz (10kHz)  
UX: 531kHz~1602kHz (9kHz)  
530kHz~1600kHz (10kHz)  
FM 87.5MHz~108MHz

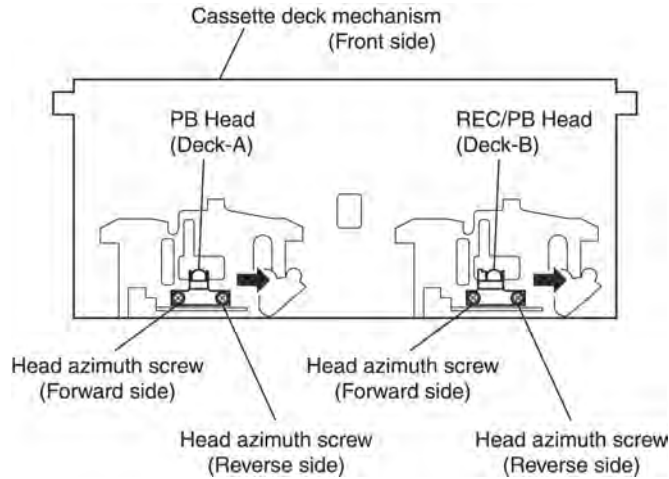
## Standard measurement positions of volume and switch

Power: Standby (Light STANDBY Indicator)  
S, A, BASS : OFF  
Sound mode : OFF  
Main VOL. : 0 Minimum  
Travers mecha set position : Disc 1  
Mic MIX VOL : MAX  
ECHO : OFF

## Precautions for measurement

1. Apply 30pF and 33kohm to the IF sweeper output side and 0.082  $\mu$  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.

## ■ Arrangement of adjusting positions



## ■ Tape recorder section

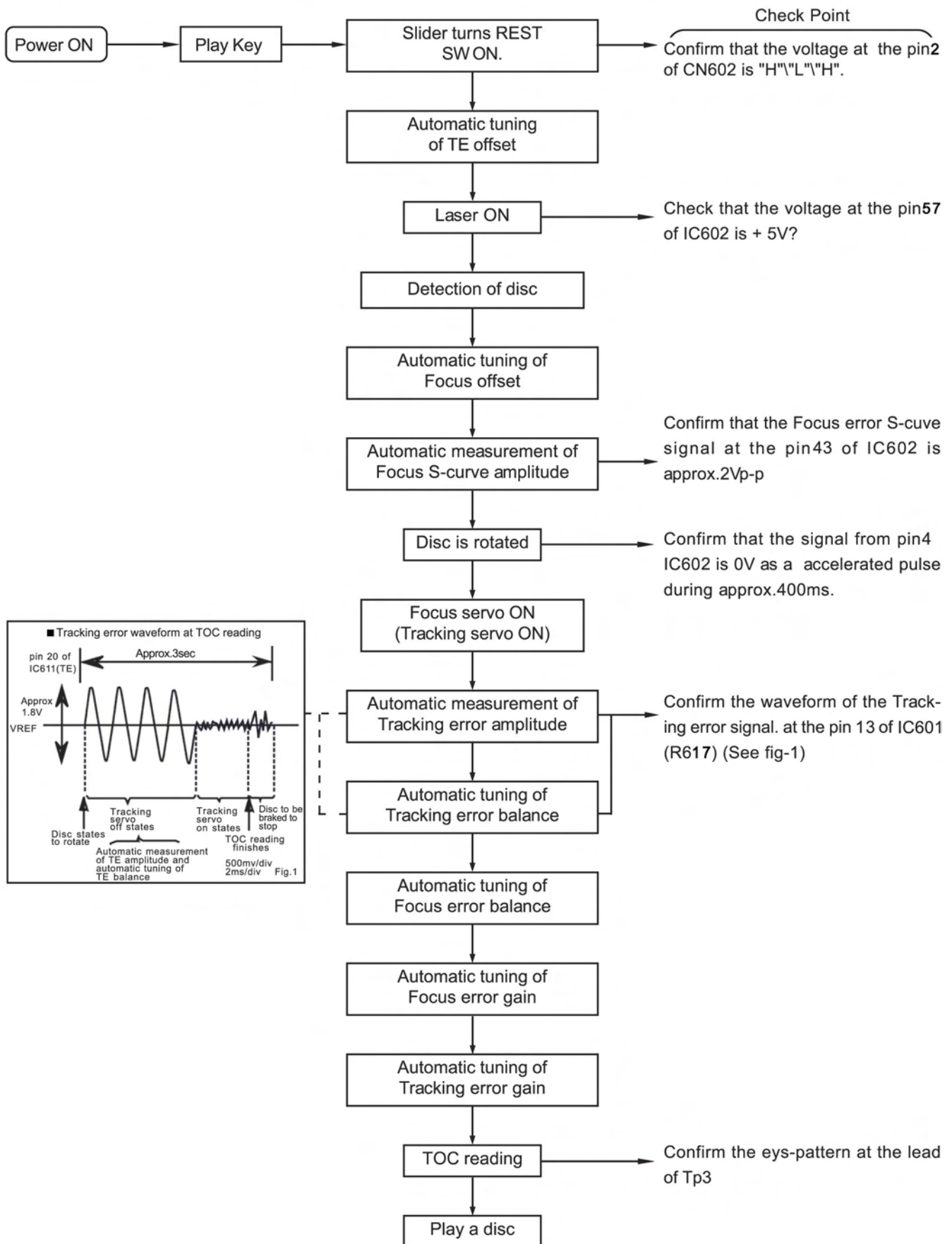
Items	Measurement conditions	Measurement method	Standard values	Adjusting positions
Cassette Head Azimuth Alignments	Test tape : VT703 (10kHz) Measurement output terminal : Left and Right speaker output (6-ohm loaded) or Headphone Output (32-ohm loaded)	1. Playback the test tape VT703 (10kHz) or equivalent. 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-225 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 $\pm$ 3kHz by core of Oscillation coil of L301.	80kHz $\pm$ 3kHz	Use the High-Impedance Probe or Frequency counter input.

## ■ Tuner section

Items	Measurement conditions	Measurement method	Standard values	Adjusting positions
AM Tracking Alignments	Input signal: 530kHz (529kHz) 600kHz (603kHz) Adjustment point: Antenna coil (L2)	1. Set the Signal Generator signal to 530kHz (529kHz) the feed to Loop Antenna. 2. Receiving the signal and the adjust the OSC coil (L2) obtain the V.T is 1.40V $\pm$ 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 $\pm$ 0.05V  Maximum sensitivity	Adjust the OSC coil only when the AM coil block has been changed.
AM IFT Alignments	Input signal: 530kHz (529kHz) Adjustment point: IFT (T1)	1. Set the receiving frequency to 530kHz (529kHz) . 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.

# Flow of functional operation until TOC read



## Maintenance of laser pickup

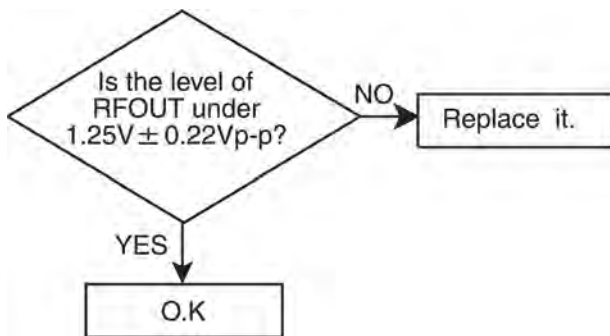
### (1) Cleaning the pick up lens

Before you replace the pick up, please try to clean the lens with a alcohol soaked cotton swab.

### (2) Life of the laser diode

When the life of the laser diode has expired, the following symptoms will appear.

1. The level of RF output (EFM output: amplitude of eye pattern) will below.



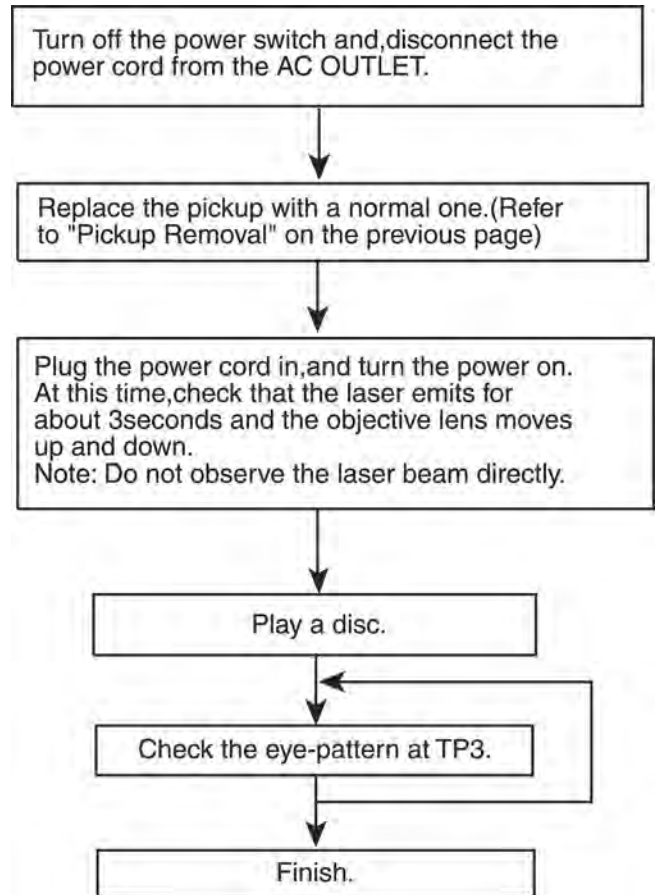
### (3) Semi-fixed resistor on the APC PC board

The semi-fixed resistor on the APC printed circuit board which is attached to the pickup is used to adjust the laser power. Since this adjustment should be performed to match the characteristics of the whole optical block, do not touch the semi-fixed resistor.

If the laser power is lower than the specified value, the laser diode is almost worn out, and the laser pickup should be replaced.

If the semi-fixed resistor would be adjusted when the pickup operates normally, the laser pickup may be damaged due to excessive current.

## Replacement of laser pickup



# Description of major ICs

## VIDEO CD PROCESSOR CHIP PINOUT

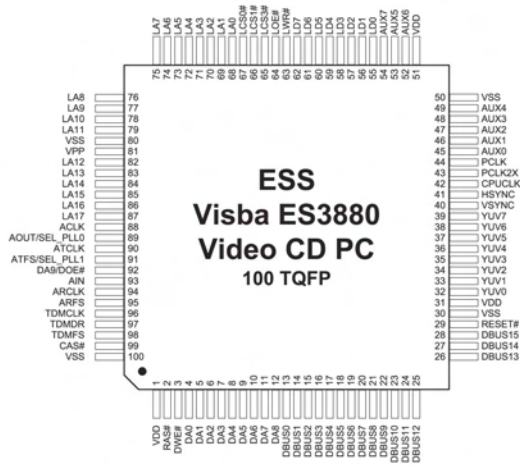


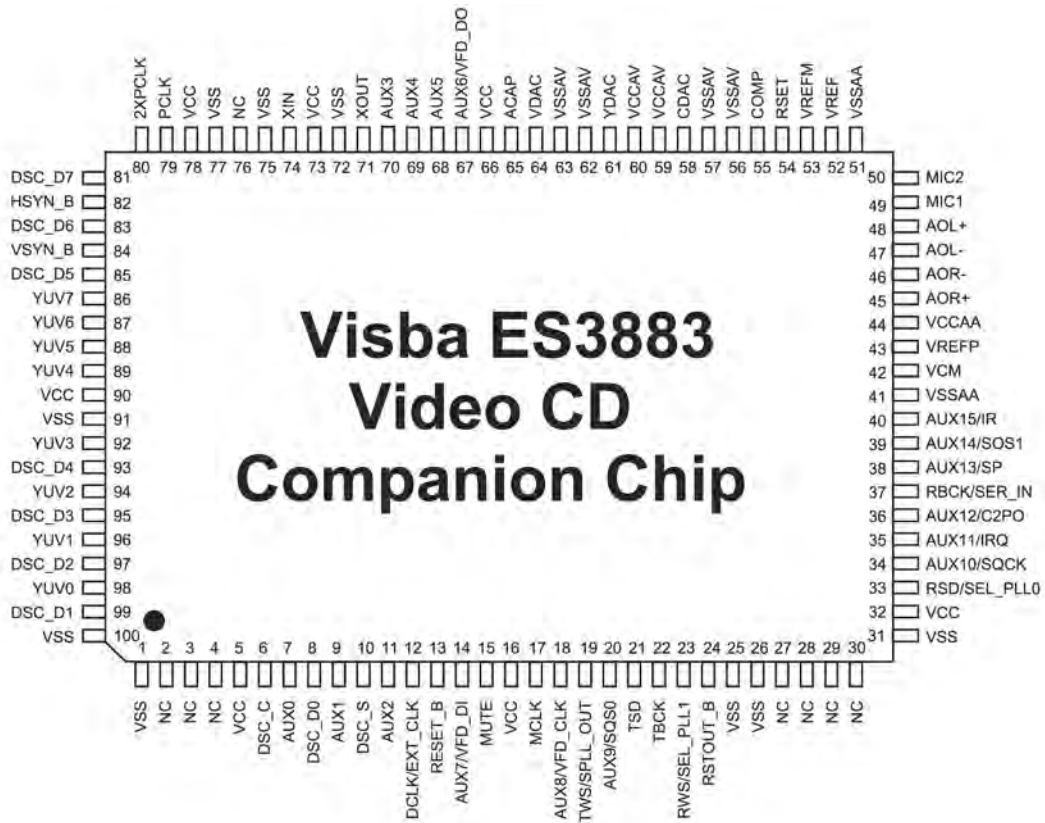
Figure 24 Visba Video CD Processor Chip Pinout Diagram

## VIDEO PC PROCESSOR CHIP PIN DESCRIPTION

Name	Number	I/O	Definition
VDD	1, 31, 51	I	Voltage supply for 3.3 V.
RAS#	2	O	DRAM row address strobe (active low).
DWE#	3	O	DRAM write enable (active low).
DA[8:0]	12:4	O	DRAM multiplexed row and column address bus.
DBUS[15:0]	28:13	I/O	DRAM data bus.
RESET#	29	I	System reset (active low).
VSS	30, 50, 80, 100	I	Ground.
YUV[7:0]	39:32	O	Y is luminance, UV are chrominance data bus for screen video interface. YUV[7:0] for 8-bit YUV mode.
VSYNC	40	I/O	Vertical sync for screen video interface, programmable for rising or falling edge.
HSYNC	41	I/O	Horizontal sync for screen video interface, programmable for rising or falling edge.
CPUCLK	42	I	RISC and system clock input. CPUCLK is used only if SEL_PLL[1:0] = 00.
PCLK2X	43	I/O	Pixel clock; two times the actual pixel clock for screen video interface.
PCLK	44	I/O	Pixel clock qualifier in for screen video interface.
AUX[7:0]	54, 52, 53, 49:45	I/O	Auxiliary control pins (AUX0 and AUX1 are open collectors).
LD[7:0]	62:55	I/O	RISC interface data bus.
LWR#	63	O	RISC interface write enable (active low).
LOE#	64	O	RISC interface output enable (active low).
LCS[3,1,0]#	65,66,67	O	RISC interface chip select (active low).
LA[17:0]	87:82, 79:68	O	RISC interface address bus.
VPP	81	I	Digital supply voltage for 5 V.
ACLK	88	I/O	Master clock for external audio DAC (8.192 MHz, 11.2896 MHz, 12.288 MHz, 16.9344 MHz, and 18.432 MHz).
AOUT/ SEL_PLL0	89	O	Dual-purpose pin. AOUT is the audio interface serial data output I Pins SEL_PLL[1:0] select phase-lock loop (PLL) clock frequency CPUCLK for the Visba: 00 = bypass PLL. 01 = 54 MHz PLL. 10 = 67.5 MHz PLL. 11 = 81 MHz PLL.
ATCLK	90	I/O	Audio transmit bit clock.
ATFS/ SEL_PLL1	91	O	Dual-purpose pin. ATFS is the audio interface transmit frame sync. I Pins SEL_PLL[1:0] select phase-lock loop (PLL) clock frequency CPUCLK for the Visba. See the SEL_PLL0 pin above for the settings.
DA9/DOE#	92	O	Dual purpose pin: DRAM output enable (active low)/DRAM multiplexed row and column address bus.
AIN	93	I	Audio interface serial data input.
ARCLK	94	I	Audio receive bit clock.
ARFS	95	I	Audio interface receive frame sync.
TDMCLK	96	I	TDM interface serial clock.
TDMDR	97	I	TDM interface serial data receive.
TDMFS	98	I	TDM interface frame sync.
CAS#	99	O	DRAM column address strobe bank 0 (active low).

# VIDEO CD COMPANION CHIP

## 1. Pinout



## 2. Pin description

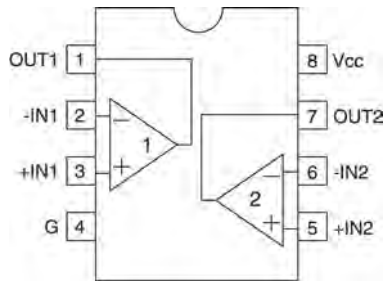
Name	Number	I/O	Definition															
VSS	1,25,26,31,72,75,77,91,100	I	Ground.															
VCC	5,16,32,66,73,78,90	I	Voltage supply, 5 V.															
DSC_C	6	I	Clock for programming to access internal registers.															
AUX0	7	I/O	Servo Forward or Control Pin.															
AUX1	9	I/O	Servo Reverse or Control Pin.															
AUX2	11	I/O	Servo LDON or Control Pin.															
AUX3	70	I/O	Servo CW/Limit or Control Pin.															
AUX4	69	I/O	Servo CCW/Close or Control Pin.															
AUX5	68	I/O	Servo Data or Control Pin.															
AUX6	67	I/O	Servo XLAT or Control Pin/VFD_DO.															
AUX7	14	I/O	Servo BRKM/Sense or Control Pin/VFD_DI.															
AUX8	18	I/O	Servo Mute/Open or Control Pin/VFD_CLK.															
AUX9	20	I/O	Servo SQS0 or Control Pin.															
AUX10	34	I/O	Servo SQCK or Control Pin.															
AUX11	35	I/O	3880 IRQ or Interrupt Output or Control Pin.															
AUX12	36	I/O	CD C2PO or Interrupt Input or Control Pin.															
AUX13	38	I/O	Serial Interrupt/CD-Mute or Control Pin.															
AUX14	39	I/O	Servo SCOR (S0S1) or Interrupt Input or Control Pin.															
AUX15	40	I/O	Interrupt Input or Control Pin.															
DSC_D[7:0]	81,83,85,93,95,97,99,8	I/O	Data for programming to access internal registers.															
DSC_S	10	I	Strobe for programming to access internal registers.															
DCLK	12	O	Dual-purpose pin DCLK is the MPEG decoder clock.															
EXT_CLK		I	EXT_CLK is the external clock EXT_CLK is an input during bypass PLL mode.															
RESET_B	13	I	Video reset (active-low).															
MUTE	15	O	Audio mute.															
MCLK	17	I	Audio master clock.															
TWS	19	I	Dual-purpose pin TWS is the transmit audio frame sync.															
SPLL_OUT		O	SPLL_OUT is the select PLL output.															
TSD	21	I	Transmit audio data input.															
TBCK	22	I	Transmit audio bit clock.															
RWS		O	Dual-purpose pin RWS is the receive audio frame sync.															
SEL_PLL1	23	I	Pins SEL_PLL[1:0] select the PLL clock frequency for the DCLK output. <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>SEL_PLL1</th> <th>SEL_PLL0</th> <th>DCLK</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>0</td> <td>Bypass PLL (input mode)</td> </tr> <tr> <td>0</td> <td>1</td> <td>27 MHz (output mode)</td> </tr> <tr> <td>1</td> <td>0</td> <td>32.4 MHz (output mode)</td> </tr> <tr> <td>1</td> <td>1</td> <td>40.5 MHz (output mode)</td> </tr> </tbody> </table>	SEL_PLL1	SEL_PLL0	DCLK	0	0	Bypass PLL (input mode)	0	1	27 MHz (output mode)	1	0	32.4 MHz (output mode)	1	1	40.5 MHz (output mode)
SEL_PLL1	SEL_PLL0	DCLK																
0	0	Bypass PLL (input mode)																
0	1	27 MHz (output mode)																
1	0	32.4 MHz (output mode)																
1	1	40.5 MHz (output mode)																
RSTOUT_B	24	O	Reset output (active-low).															
NC	2,4,27,30,76		No connect. Do not connect to these pins.															
RSD		O	Dual-purpose pin. RSD is the receive audio data input.															
SEL_PLL0	33	I	SEL_PLL0 along with SEL_PLL1 select the PLL clock frequency for the DCLK output. See the table for pin number 23.															
RBCK		O	Dual-purpose pin. RBCK is the receive audio bit clock.															
SER_IN	37	I	SER_IN is the serial input DSC mode. 0 - Parallel DSC mode. 1 - Serial DSC mode.															
VSSAA	41,51	I	Audio Analog Ground.															
VCM	42	I	ADC Common Mode Reference (CMR) buffer output. CMR is approximately 2.25 V. Bypass to analog ground with 47 $\mu$ F electrolytic in parallel with 0.1 $\mu$ F.															
VREFP	43	I	DAC and ADC maximum reference. Bypass to VCMR with 10 $\mu$ F in parallel with 0.1 $\mu$ F.															
VCCAA	44	I	Analog VCC, 5 V.															
AOR+, AOR-	45,46	O	Right channel output.															
AOL-, AOL+	47,48	O	Left channel output.															
MIC1	49	I	Microphone input 1.															
MIC2	50	I	Microphone input 2.															
VREF	52	I	Internal resistor divider generates Common Mode Reference (CMR) voltage. Bypass to analog ground with 0.1 $\mu$ F.															
VREFM	53	I	DAC and ADC minimum reference. Bypass to VCMR with 10 $\mu$ F in parallel with 0.1 $\mu$ F.															
RSET	54	I	Full scale DAC current adjustment.															
COMP	55	I	Compensation pin.															
VSSAV	56,57,62,63	I	Video Analog Ground															
CDAC	58	O	Modulated chrominance output.															
VCCAV	59,60	I	Video VCC, 5 V															
YDAC	61	O	Y luminance data bus for screen video port.															
VDAC	64	O	Composite video output.															
ACAP	65	I	Audio CAP															
XOUT	71	O	Crystal output.															
XIN	74	I	27 MHz crystal input.															
PCLK	79	I/O	13.5 MHz pixel clock.															
2XPCLK	80	I/O	27 MHz (2 times pixel clock).															
HSYN_B	82	O	Horizontal sync (active-low).															
VSYN_B	84	O	Vertical sync (active-low).															
YUV[7:0]	86,89,92,94,96,98	I	YUV data bus for screen video port.															

\* Shading indicates a pin change from ES3209.



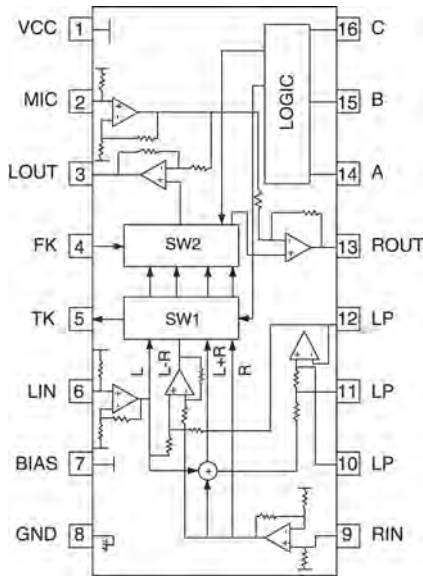
## ■ BA15218/BA15218F(IC102/IC852): Dual operational amplifier

### 1. Terminal layout & block diagram



## ■ BA3837(IC103): MIC Mixer

### 1. Terminal layout & block diagram

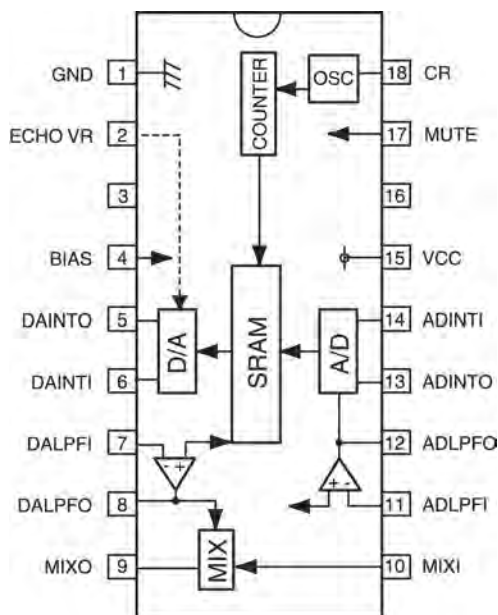


### 2. Pin function

Pin No.	Symbol	I/O	Function
1	VCC	-	Power supply
2	MIC		Microphone mixing input
3	LOUT	O	Channel L output
4	FK	-	Non connect
5	TK	-	Non connect
6	LIN		Channel L input
7	BIAS		Signal bias
8	GND	-	Connect to GND
9	RIN		Channel R input
10	LP	O	Connects to LPF time constant element
11	LP	O	Connects to LPF time constant element
12	LP	O	LPF output
13	ROU	O	Channel R output
14	A		Mode select input A
15	B		Mode select input B
16	C		Mode select input C

## ■ BU9253AS(IC851): Low pass filter & echo mixer

### 1. Terminal layout & block diagram

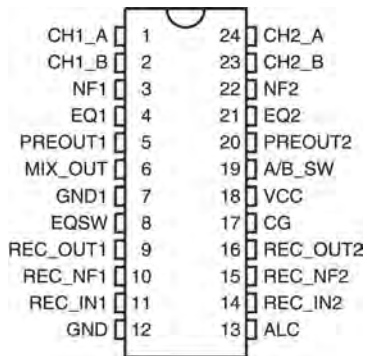


### 2. Pin function

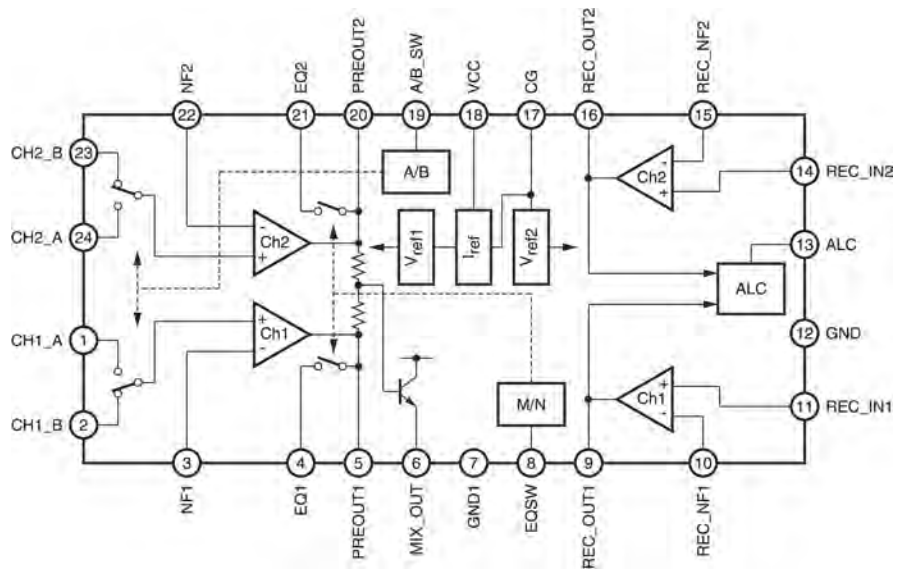
Pin No.	Symbol	I/O	Function
1	GND	-	Connect GND
2	ECHO VR		Echo level control
3			
4	BIAS	-	Analog part DC bias
5	DAINTO	O	DA side integrator output
6	DAINTI	I	DA side integrator input
7	DALPFI	I	DA side LPF input
8	DALPFO	O	DA side LPF output
9	MIXO	O	Mix AMP output for original tone& echo tone
10	MIXI	I	Mix AMP input pin for original tone
11	ADLPFI	I	AD side LPF input
12	ADLPFO	O	AD side LPF output
13	ADINTO	O	AD side integrator output
14	ADINTI	I	AD side integrator input
15	VCC	-	Power supply
16			
17	MUTE	I	Mute control signal input
18	CR	-	CR pin for oscillator

## ■ TA8189N (IC401) : REC/PB amp.

### 1. Terminal layout



### 2. Block diagram

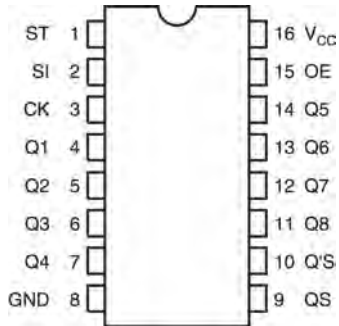


### 3. Pin function

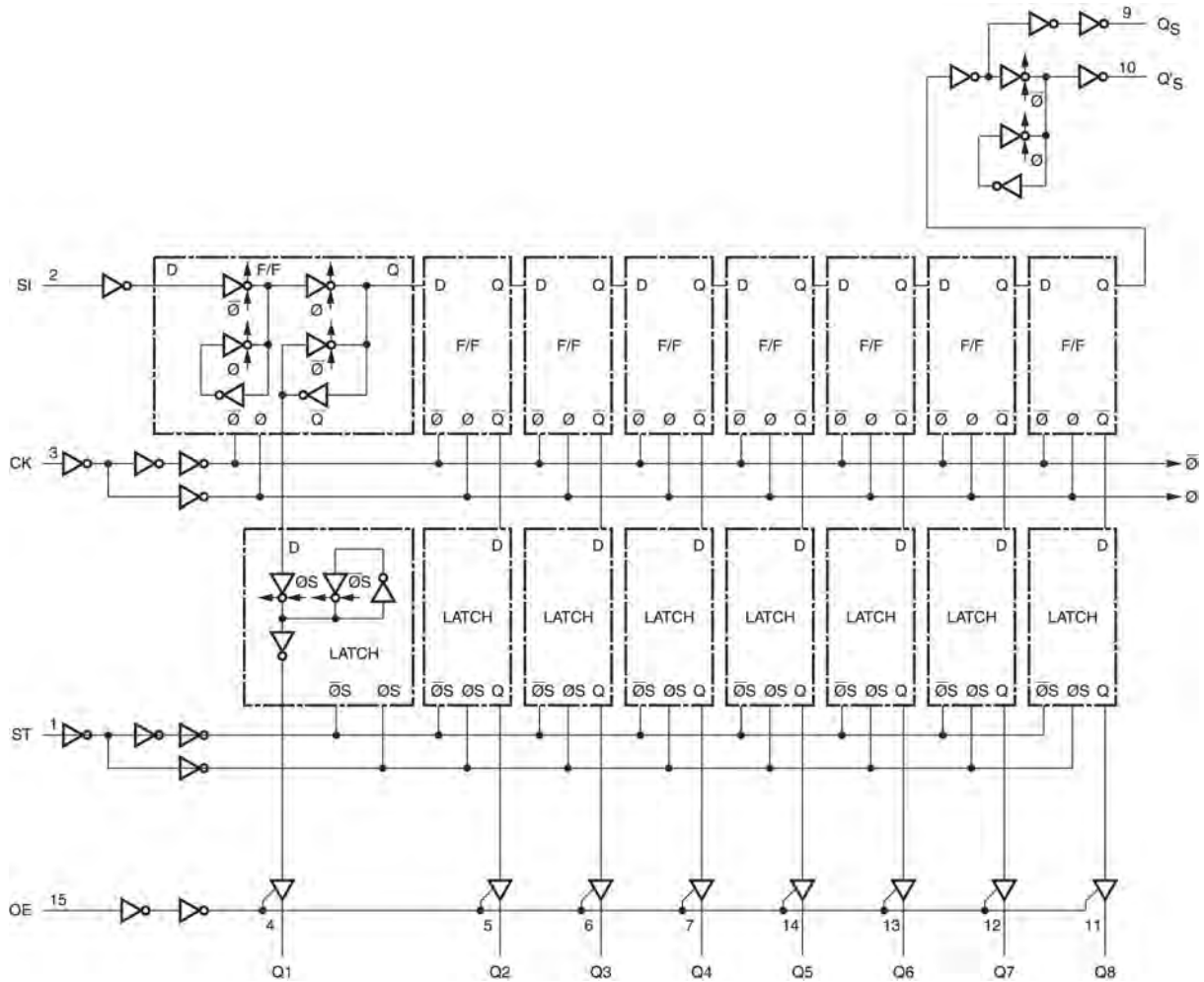
Pin No.	Symbol	I/O	Function	Pin No.	Symbol	I/O	Function
1	CH1_A	I	Input for playback amp. (Ch1): A cassette (PB)	13	ALC	I	ALC filter terminal
2	CH1_B	I	Input for playback amp. (Ch1): B cassette (REC/PB)	14	REC_IN2	I	Input for recording amp.
3	NF1	I	NF terminal for playback amp.	15	REC_NF2	I	NF terminal for recording amp.
4	EQ1	O	Metal output for playback amp.	16	REC_OUT2	O	Output for recording amp.
5	PREOUT1	O	Output terminal for playback amp.	17	CG	O	Charge detection terminal
6	MIX_OUT	O	Mixing output	18	VCC	-	Power supply terminal
7	GND1	-	Ground	19	A/B_SW	I	REC amp. Select switch (A cassette/B cassette)
8	EQSW	I	Metal/Normal mode select switch	20	PREOUT2	O	Output terminal for playback amp.
9	REC_OUT1	O	Output for recording amp.	21	EQ2	O	Metal output for playback amp.
10	REC_NF1	I	NF terminal for recording amp.	22	NF2	I	NF terminal for playback amp.
11	REC_IN1	I	Input for recording amp.	23	CH2_B	I	Input for playback amp. (Ch2): B cassette (REC/PB)
12	GND1	-	Ground terminal	24	CH2_A	I	Input for playback amp. (Ch2): A cassette (PB)

## ■ TC74HC4094AP (IC402) : 8-bit shift and store register

### 1. Terminal layout



### 2. Block diagram

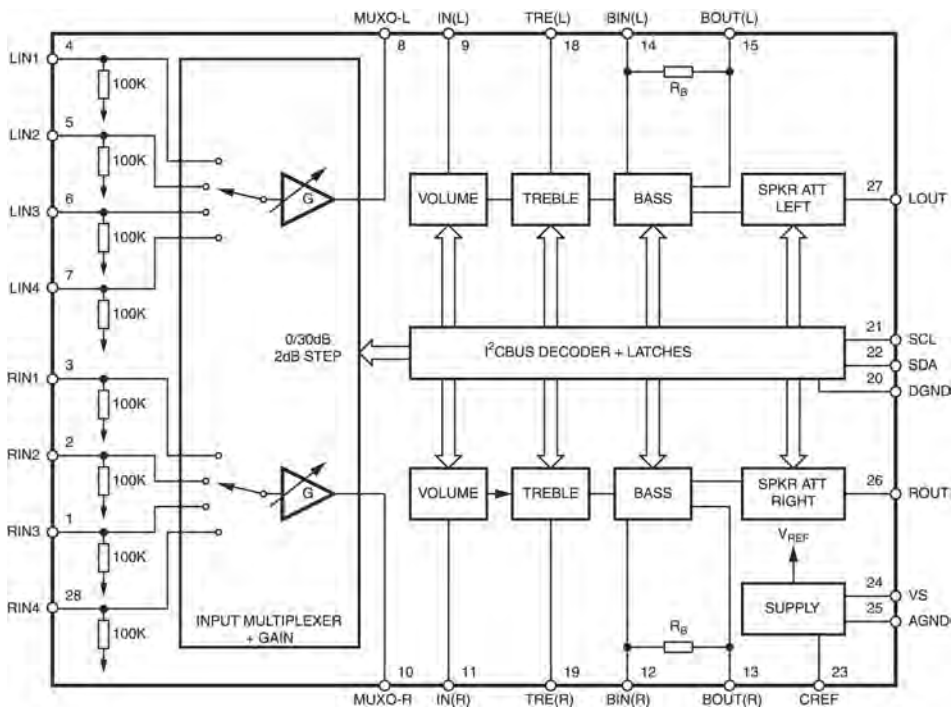


## ■ TDA7440D (IC101) : Audio processor

### 1. Terminal layout



### 2. Block diagram



< MEMO >

**MX-K350V**

**JVC**

VICTOR COMPANY OF JAPAN, LIMITED  
AUDIO & COMMUNICATION BUSINESS DIVISION  
PERSONAL & MOBILE NETWORK B.U.10-1, 1 Chome, Ohwatari-machi, maebashi-city, 371-8543, Japan

**No.21166**



Printed in Japan  
200212

# JVC

## SERVICE MANUAL

### COMPACT COMPONENT SYSTEM

## MX-K350V

**Supplement**

**Area S uffix**

US ----- Singapore

UX ----- Saudi Arabia

Because there were many mistake to the Service Manual MX-K350V (No.21166,Page 3-3 to 3-21 on PARTS LIST.),please this supplementally for servicing.

**MX-K350V**

**JVC**

VICTOR COMPANY OF JAPAN, LI MITED

AV & MALUTIMEDIA COMPANY AUDIO/VIDEO SYSTEM CATEGORY. 10-1,1chome,Ohwatari-machi,Maebashi-city,371-8543,Japan



# JVC

## SCHEMATIC DIAGRAMS

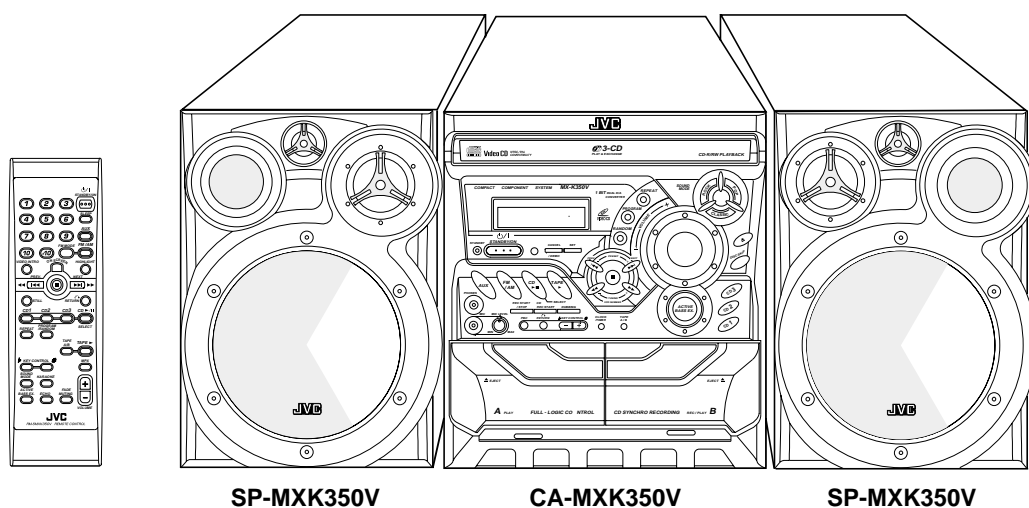
### COMPACT COMPONENT SYSTEM

## MX-K350V

CD-ROM No.SML200212

Area suffix

US ----- Singapore  
UX ----- Saudi Arabia



SP-MXK350V

CA-MXK350V

SP-MXK350V

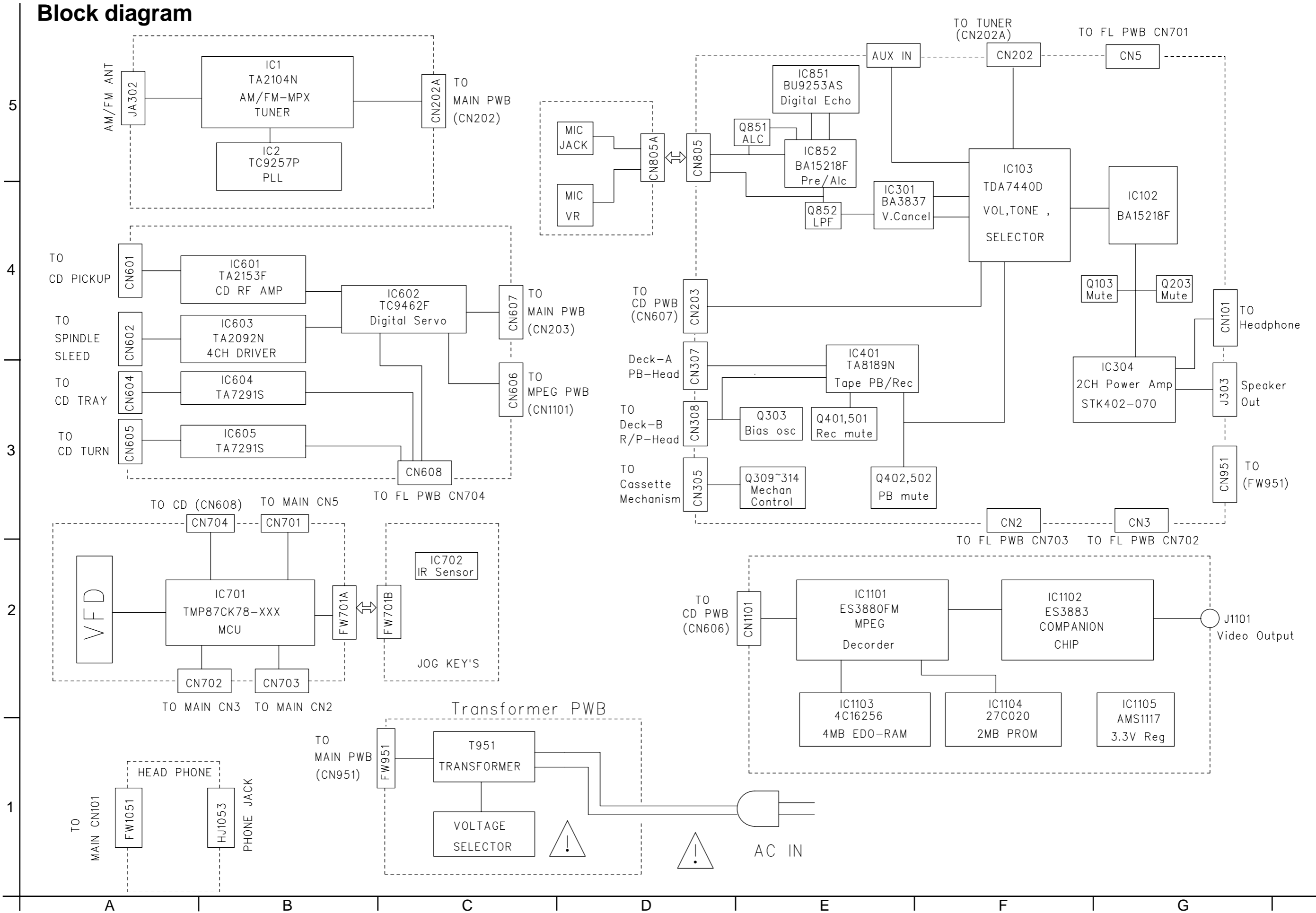
### Contents

Block diagram .....	2-1
Standard schematic diagrams .....	2-2
Printed circuit boards .....	2-9~15

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

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

# Block diagram



# Standard schematic diagrams

## CD Servo Control Section K350V

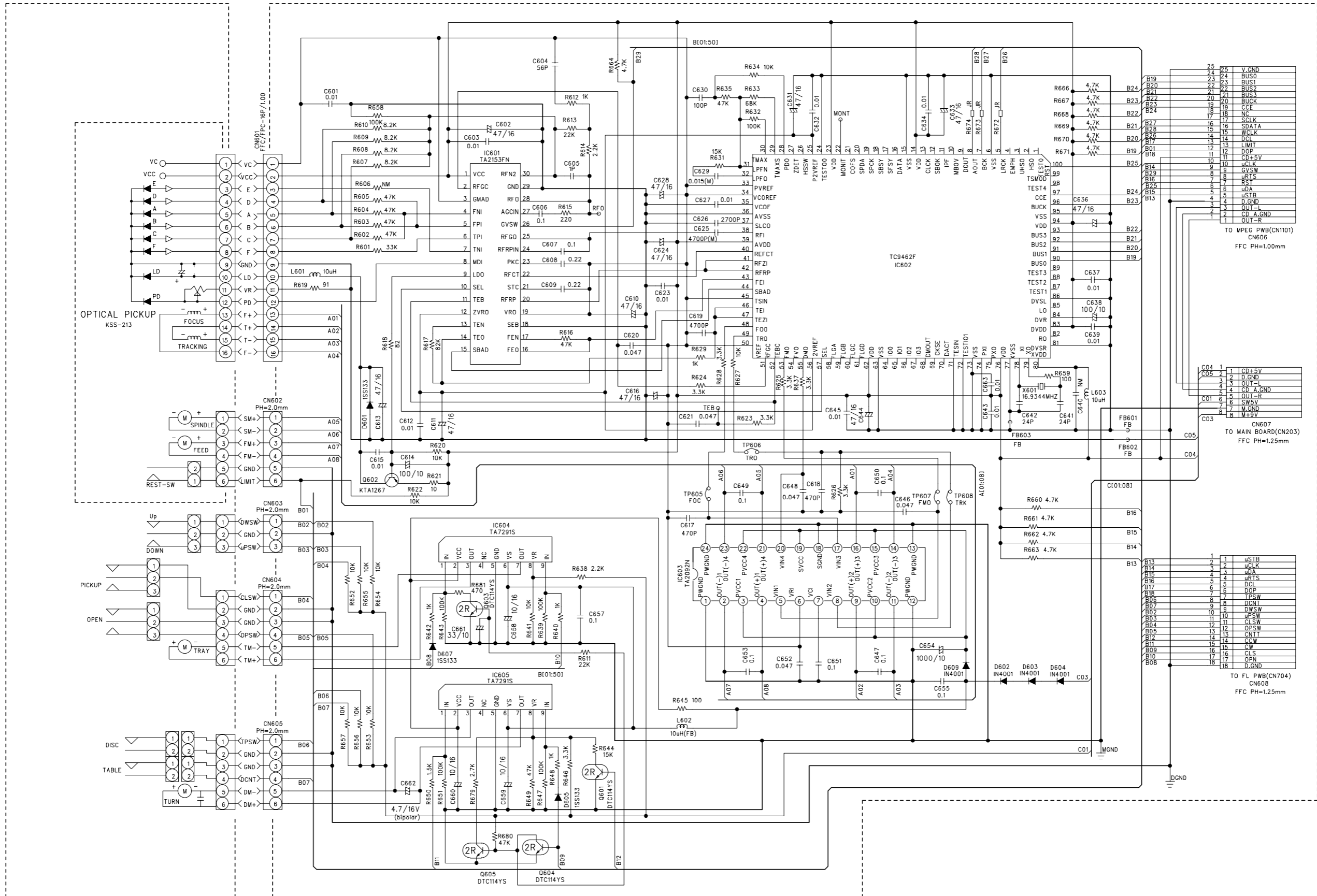
5

4

3

2

1



B19	25	V_GND
B20	24	BUS0
B21	23	BUS1
B22	22	BUS2
B23	21	BUS3
B24	20	BUCK
B25	19	CCF
B26	18	NC
B27	17	SCLK
B28	16	SDATA
B29	15	WCLK
B30	14	IO1
B31	13	LIMIT
B32	12	DOP
B33	11	CD+5V
B34	10	WCLK
B35	9	GVSW
B36	8	uRTS
B37	7	uDA
B38	6	uDA
B39	5	uSTB
B40	4	D_GND
B41	3	OUT-L
B42	2	CD_A_GND
B43	1	OUT-R

C04	1	CD+5V
C05	2	D_GND
C06	3	OUT-L
C07	4	CD_A_GND
C08	5	OUT-R
C09	6	W_GND
C10	7	M_GND
C11	8	M+9V

B13	1	uSTB
B14	2	uCLK
B15	3	uDA
B16	4	uRTS
B17	5	DCL
B18	6	DOP
B19	7	TPSW
B20	8	DCNT
B21	9	DWSW
B22	10	JP5W
B23	11	CLS
B24	12	OP5W
B25	13	CNTT
B26	14	CCW
B27	15	CW
B28	16	CLS
B29	17	OPN
B30	18	D_GND

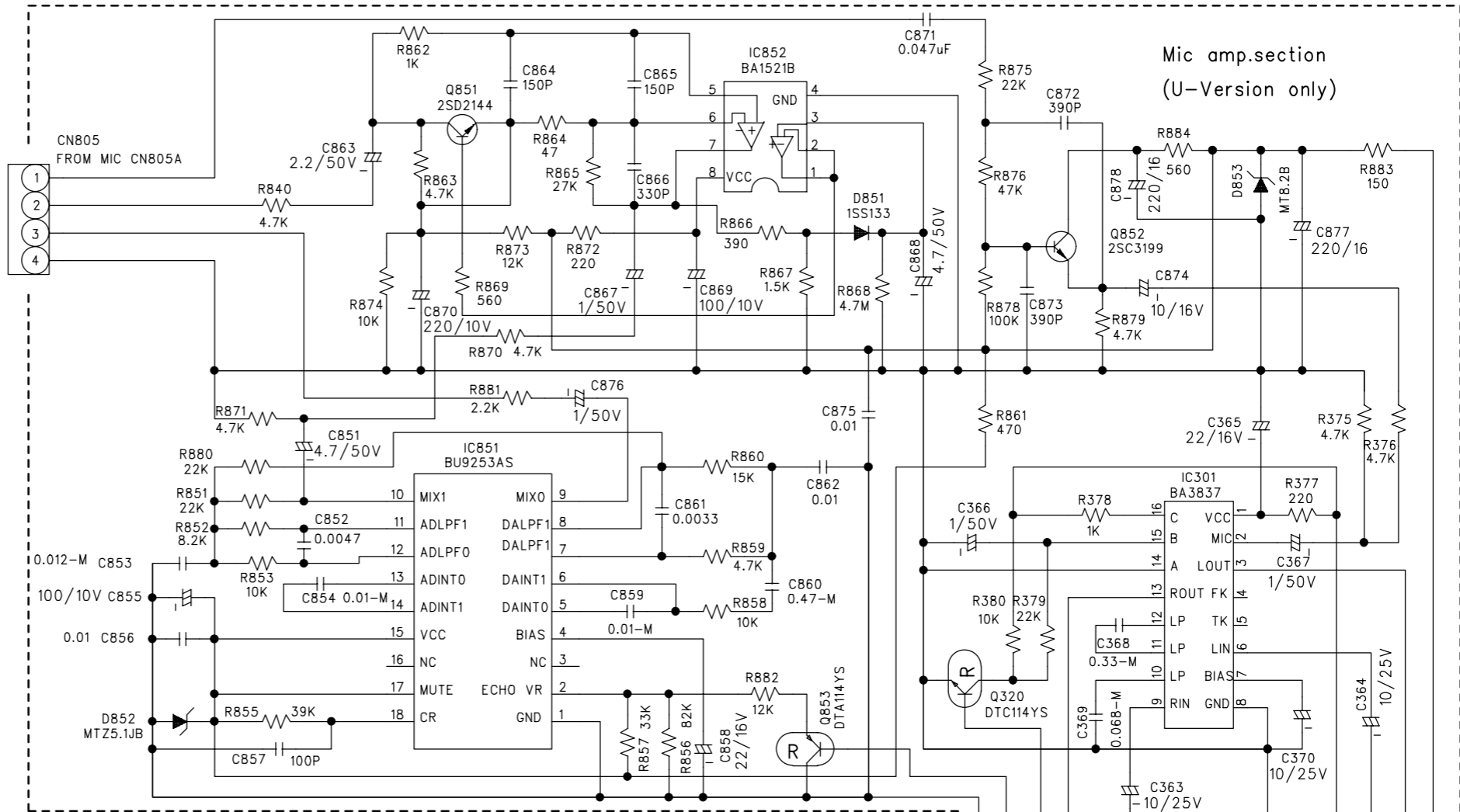
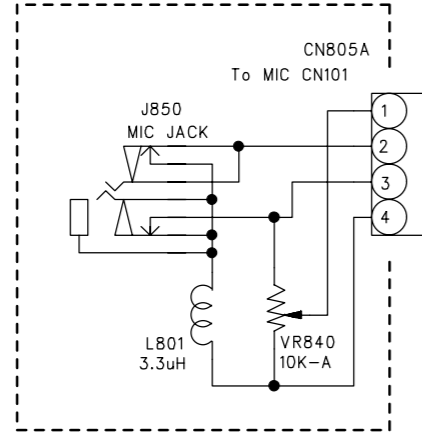
TO FL PWB(CN704)	
CN608	FFC PH=1.25mm

TO MAIN BOARD(CN203)	
CN607	FFC PH=1.25mm

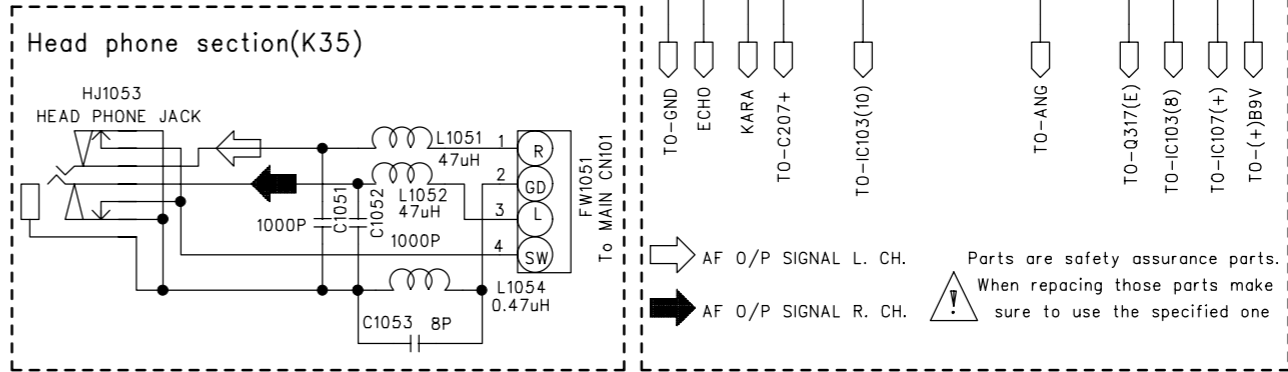
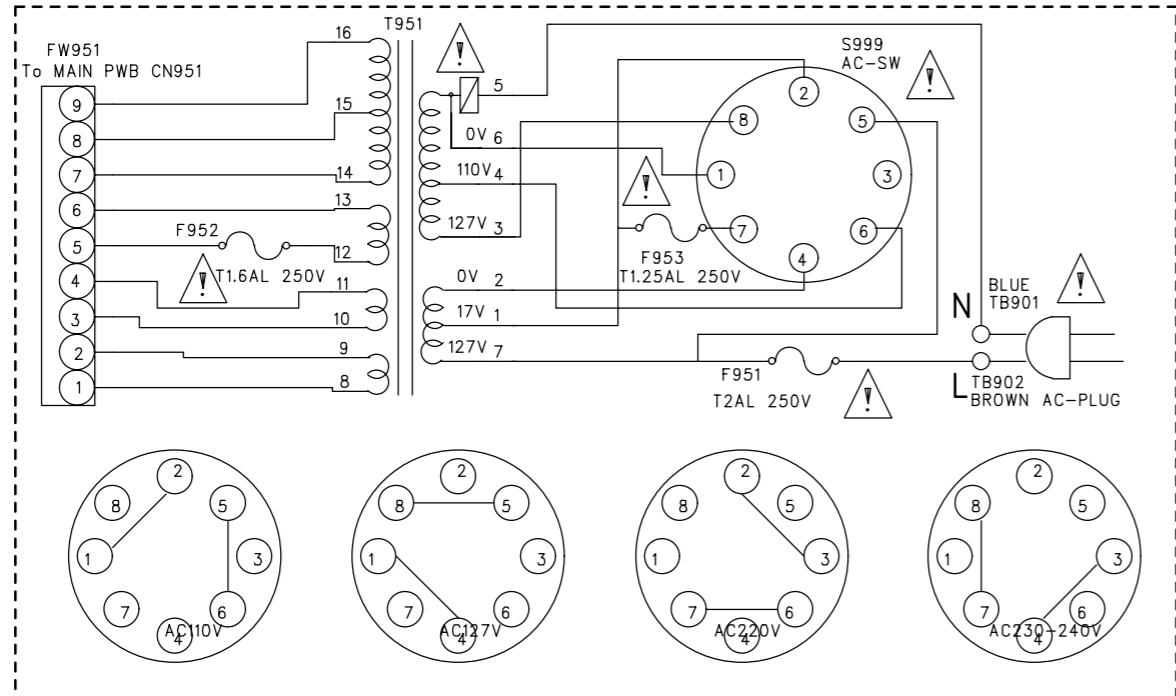
TO MPEG PWB(CN101)	
CN606	FFC PH=1.00mm

■ Power transformer section K350V MIC AMP. and H.P section

5  
4  
3  
2  
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US/UX Version



AF O/P SIGNAL L. CH.
 Parts are safety assurance parts. When replacing those parts make sure to use the specified one.

A | B | C | D | E | F | G

FL Display and CPU Control Section

5

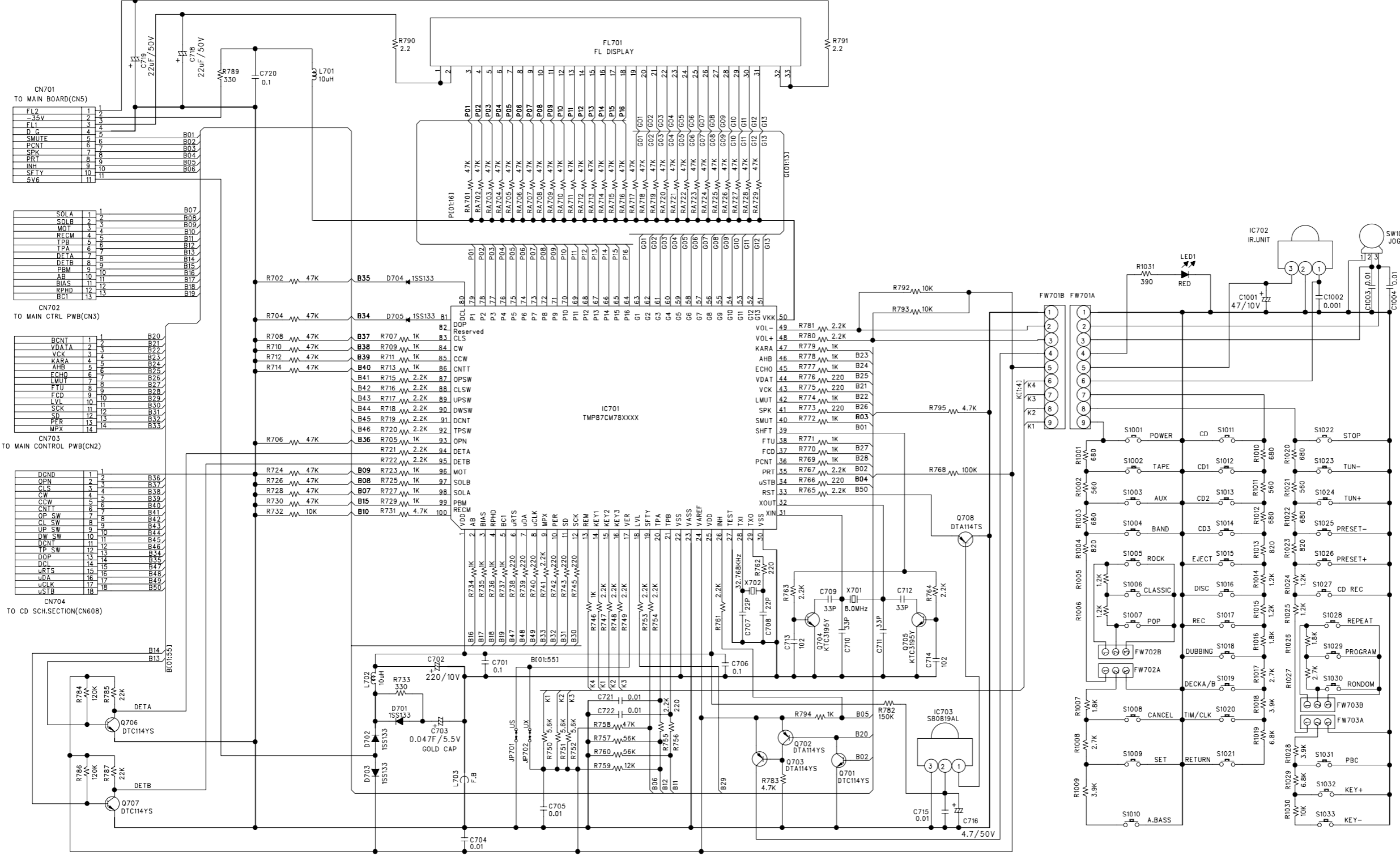
4

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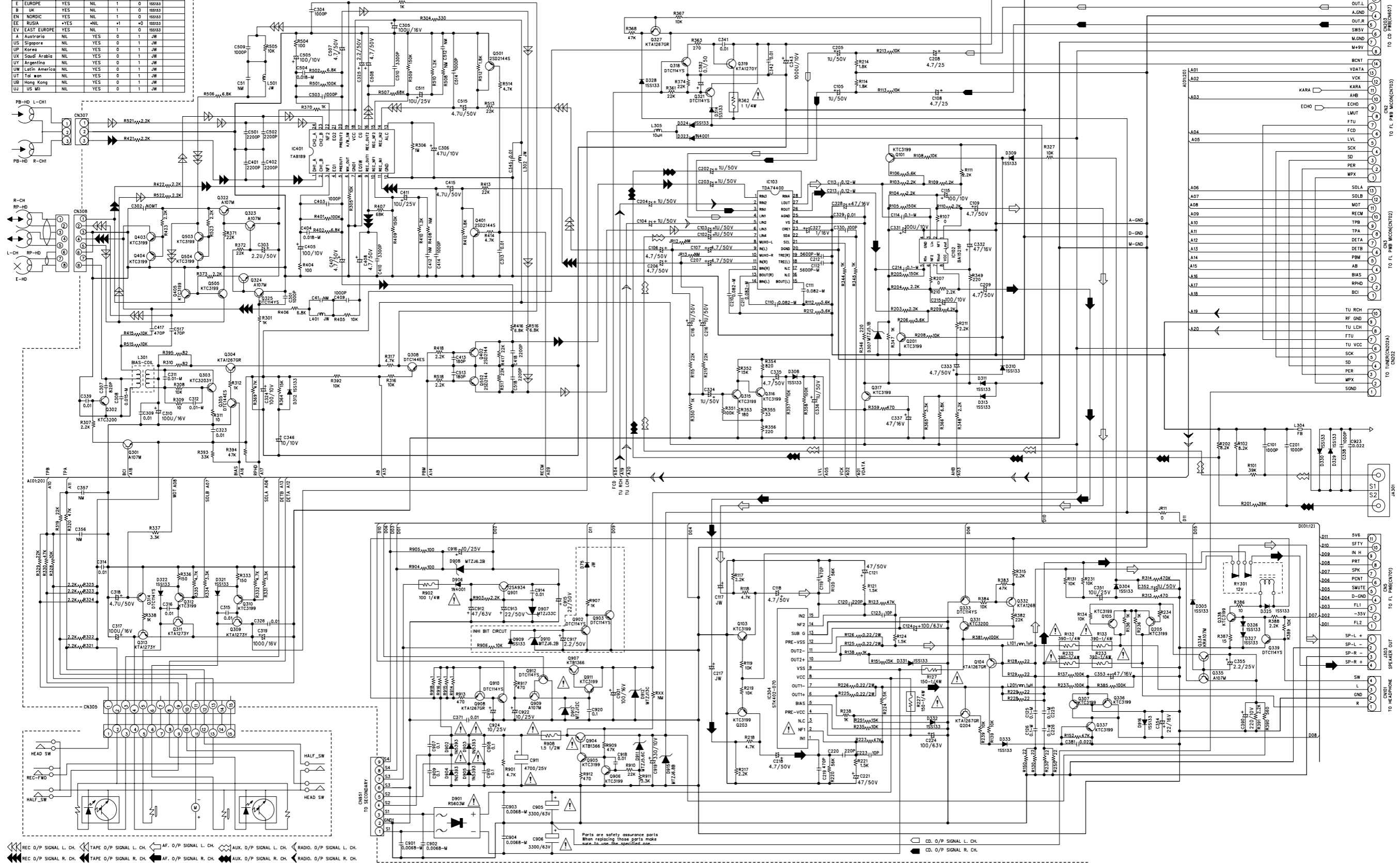
FL DISPLAY AND CPU CONTROL SECTION



Head AMP. audio, power AMP. and power Supply

VERSION	SUB-POWER BOARD	INHIBIT CIRCUIT	CN92	JR11	D75
J USA	NIL	YES	0	1	JW
C CANADA	NIL	YES	0	1	JW
E EUROPE	YES	NIL	1	0	HS333
B UK	YES	NIL	1	0	HS333
EN NORDIC	YES	NIL	1	0	HS333
EE RUSSIA	+YES	+NIL	+1	+0	HS333
EV EAST EUROPE	YES	NIL	1	0	HS333
A Australia	NIL	YES	0	1	JW
US Singapore*	NIL	YES	0	1	JW
UP Korea	NIL	YES	0	1	JW
UX Saudi Arabia	YES	0	1	0	HS333
UY Argentina	NIL	YES	0	1	JW
UZ Latin America	NIL	YES	0	1	JW
UT Taiwan	NIL	YES	0	1	JW
UB Hong Kong	NIL	YES	0	1	JW
UJ US MT	NIL	YES	0	1	JW

Head AMP. audio , power AMP. and power supply



■ MPEG Section

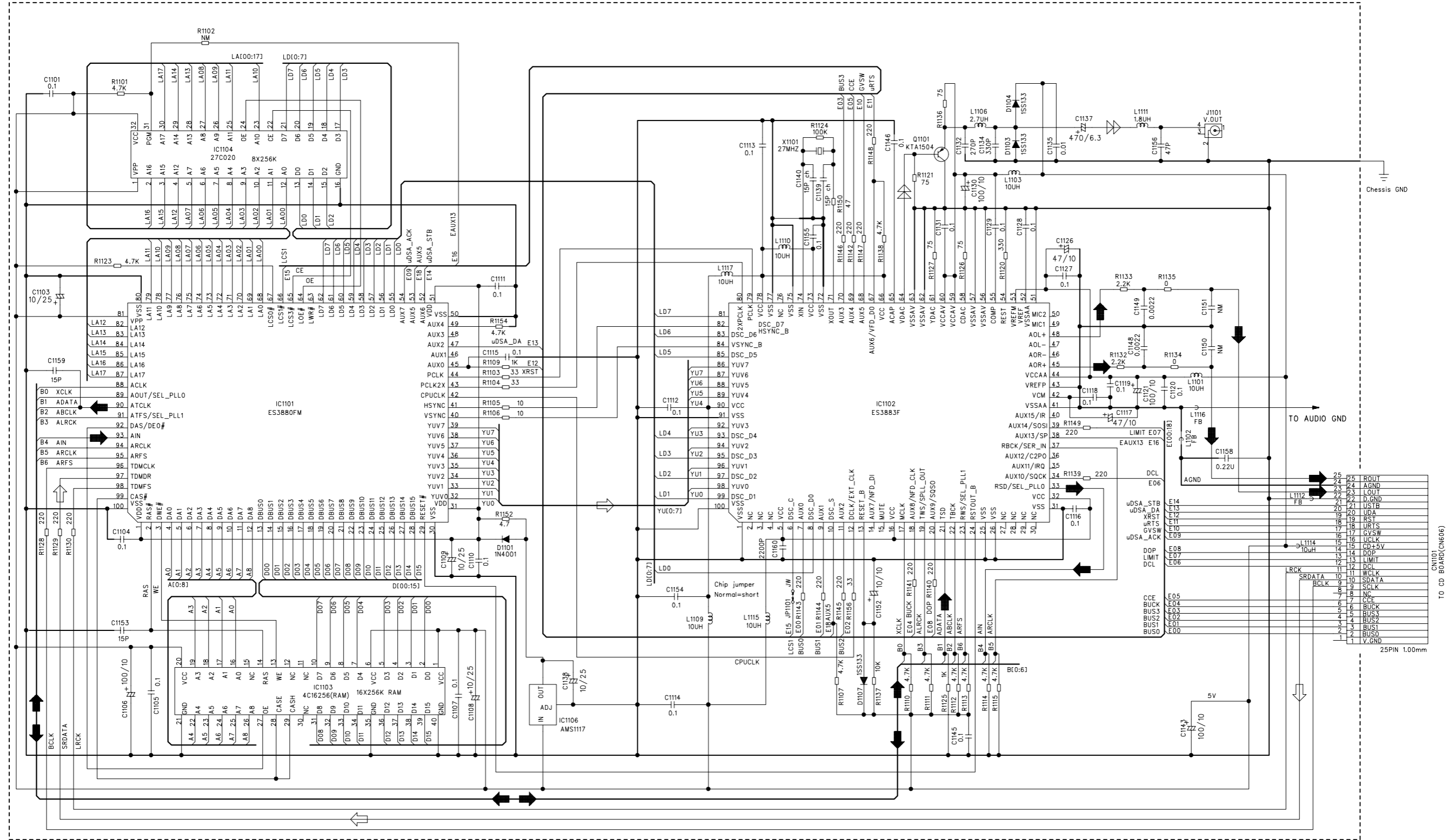
5

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- ← CD SIGNAL
- ◁ VIDEO SIGNAL
- ◁ VIDEO/CD PLAY SIGNAL

Chassis GND

TO AUDIO GND

AGND

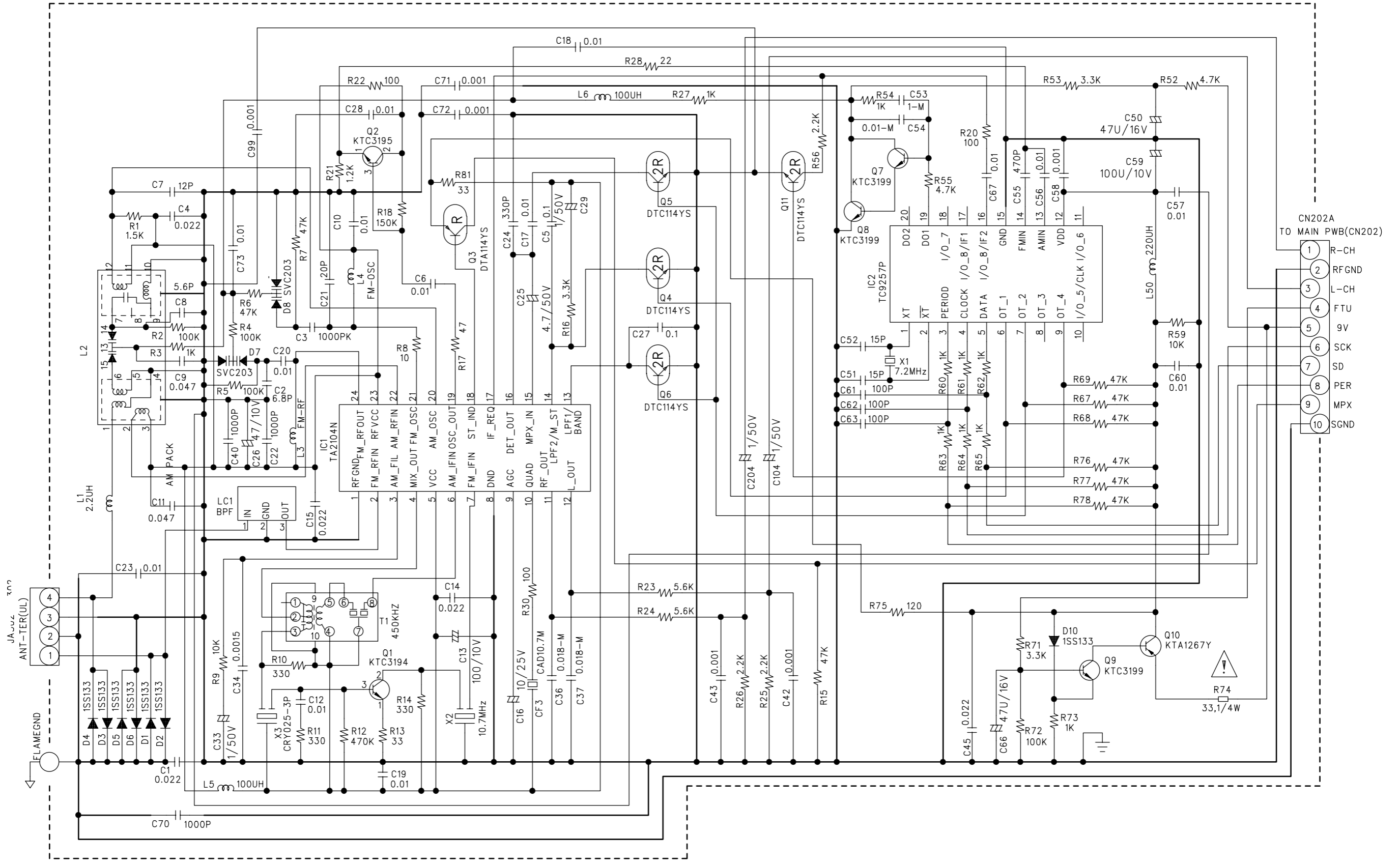
25PIN 1.00mm

TO CD BOARD(CN606)



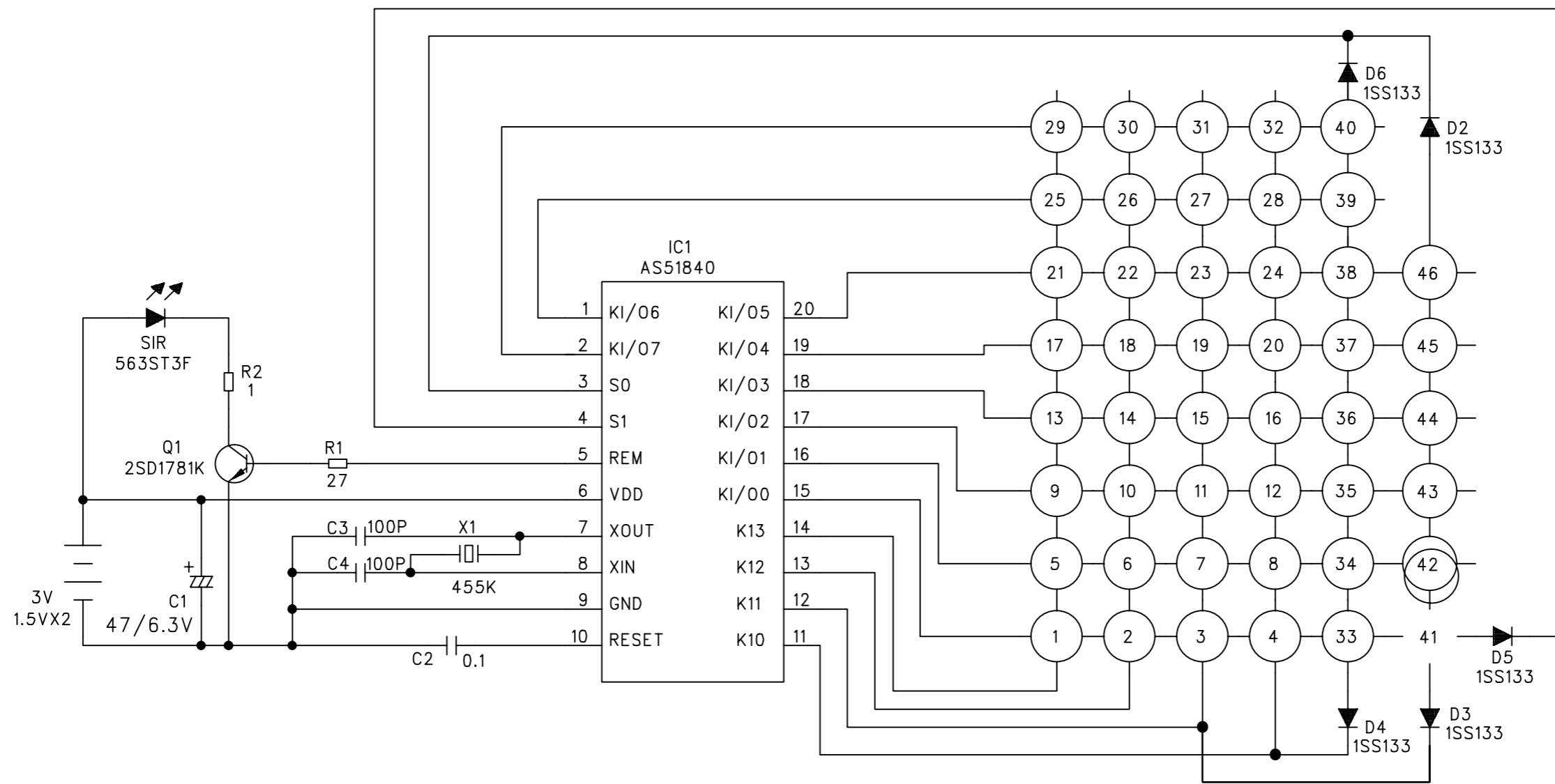
■ Tuner Section

5  
4  
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A B C D E F G 2-7

■ Remote Control Section



5

4

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2

1

A

B

C

28

D

E

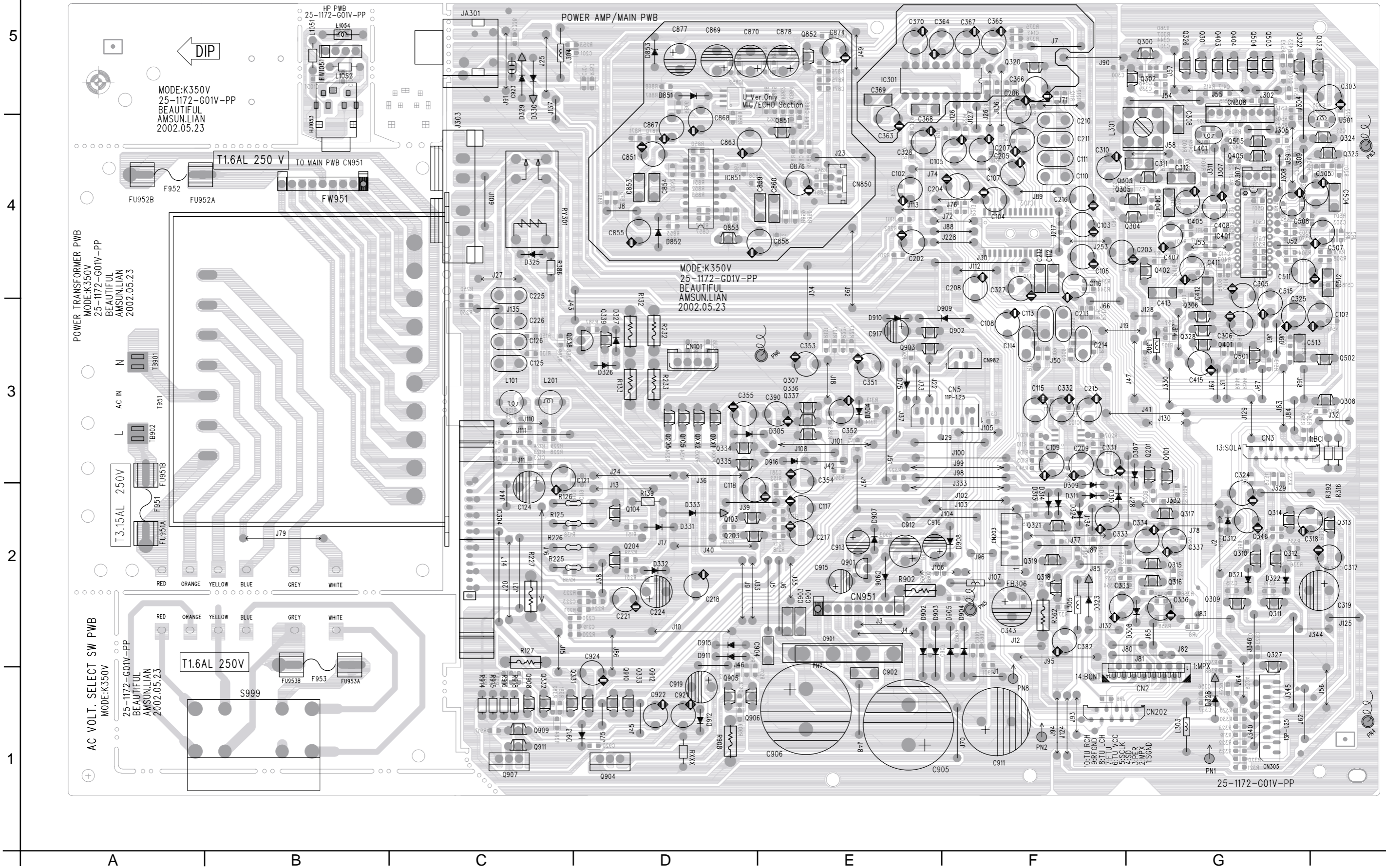
F

G

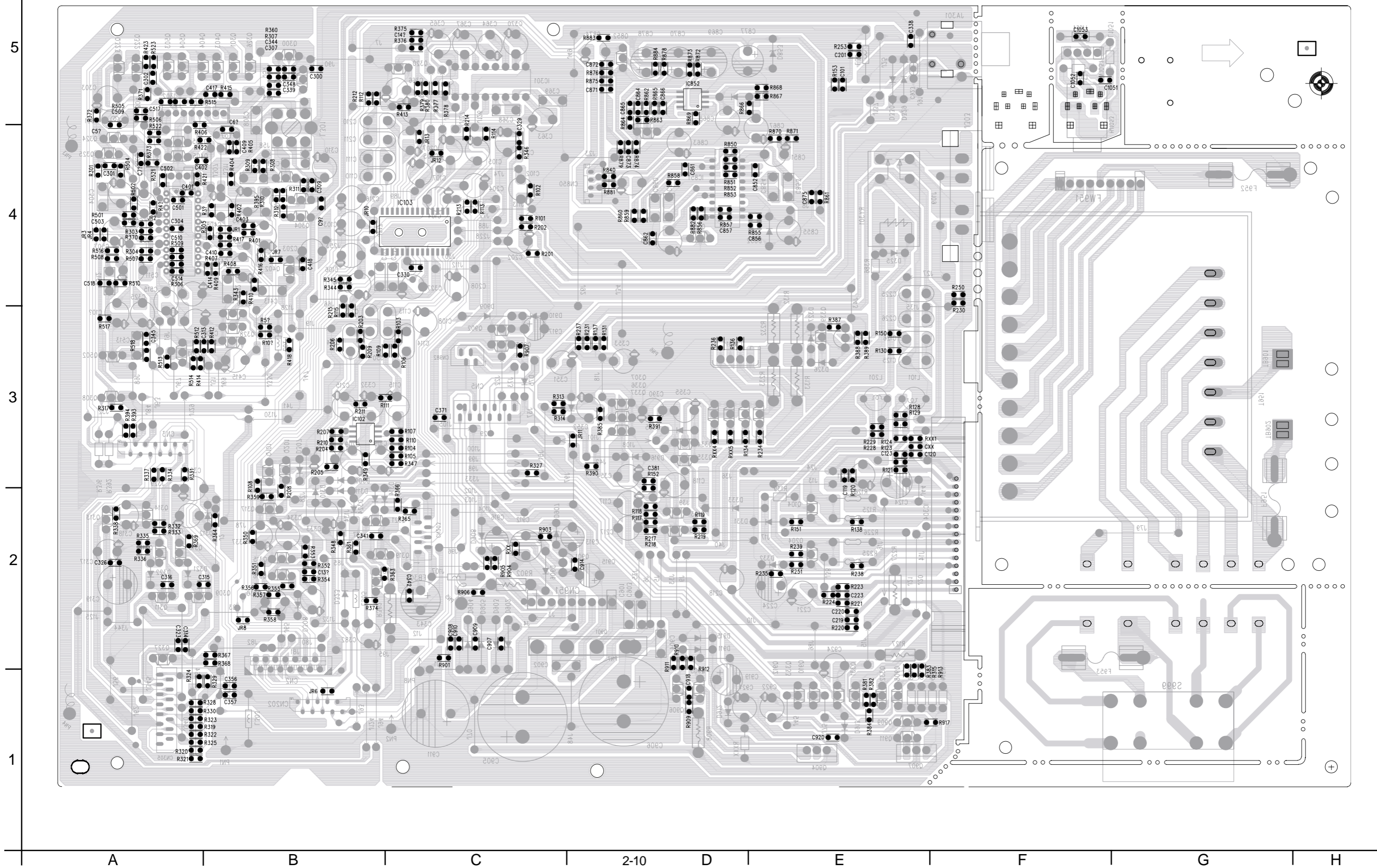
H

# Printed circuit boards

## ■ Main /power-amp. circuit board (Top side ) K350V

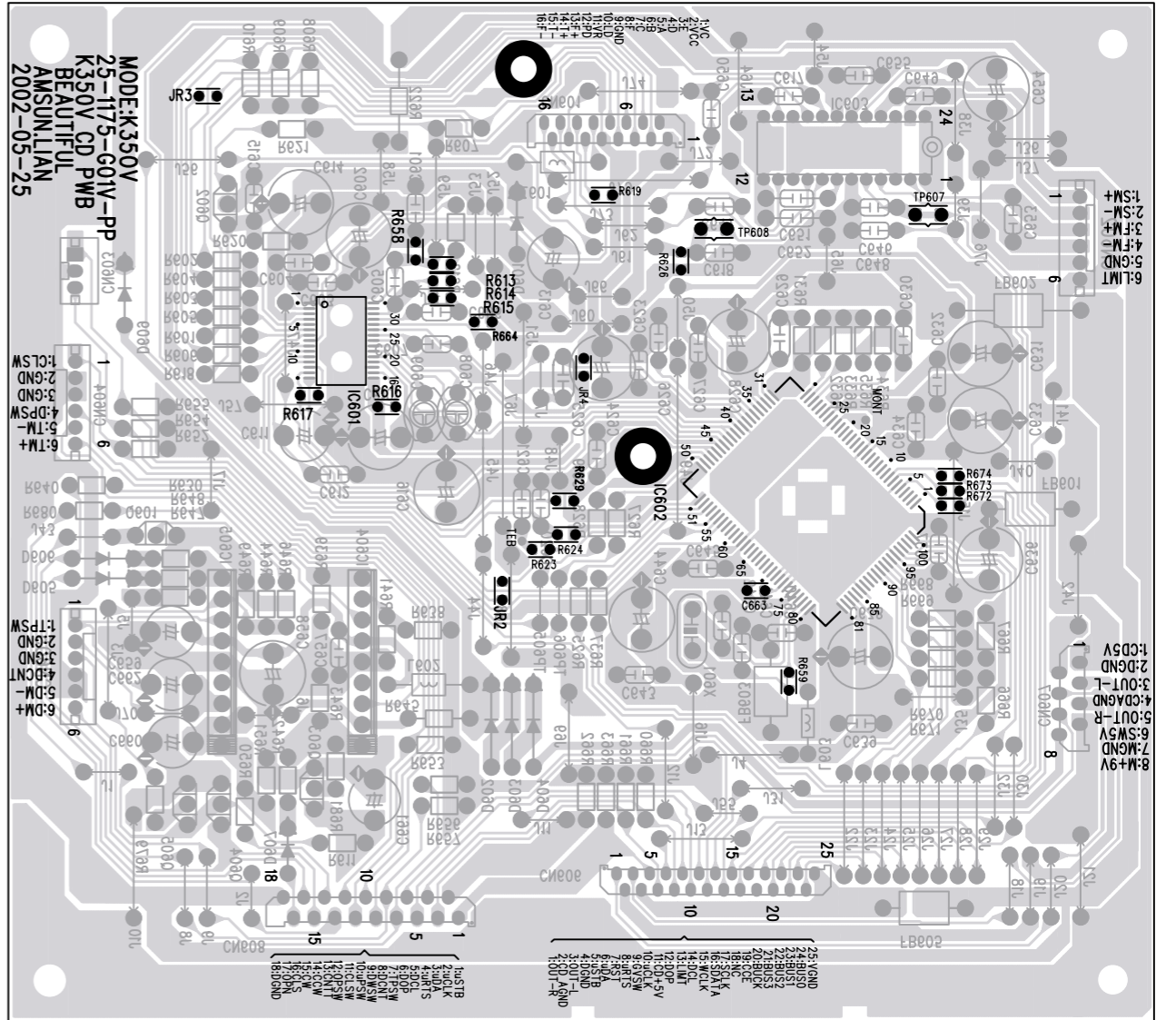
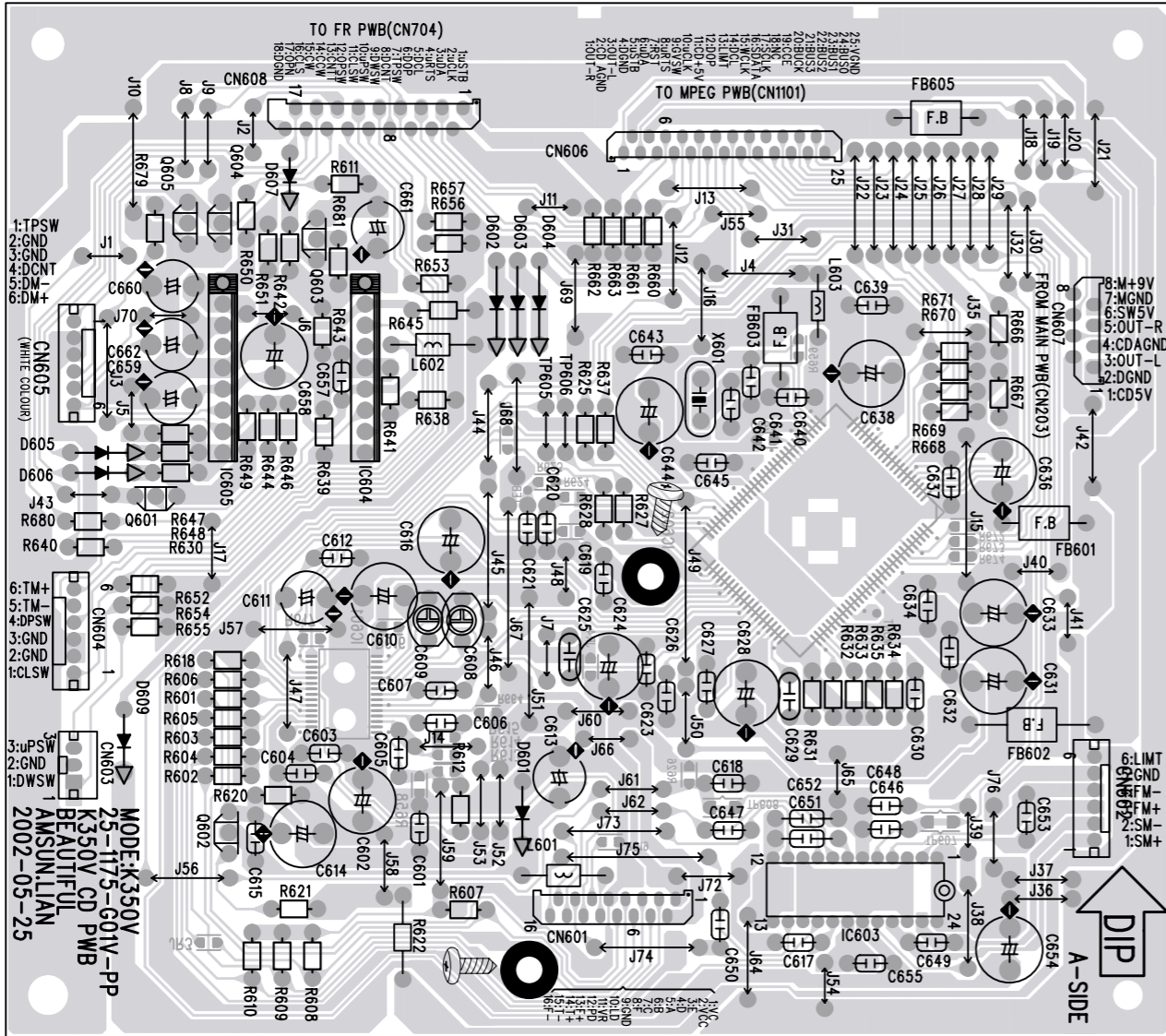


■ Main / power-amp. circuit board(Botton side ) K350V



■ CD Main. circuit board (Top side) K350V

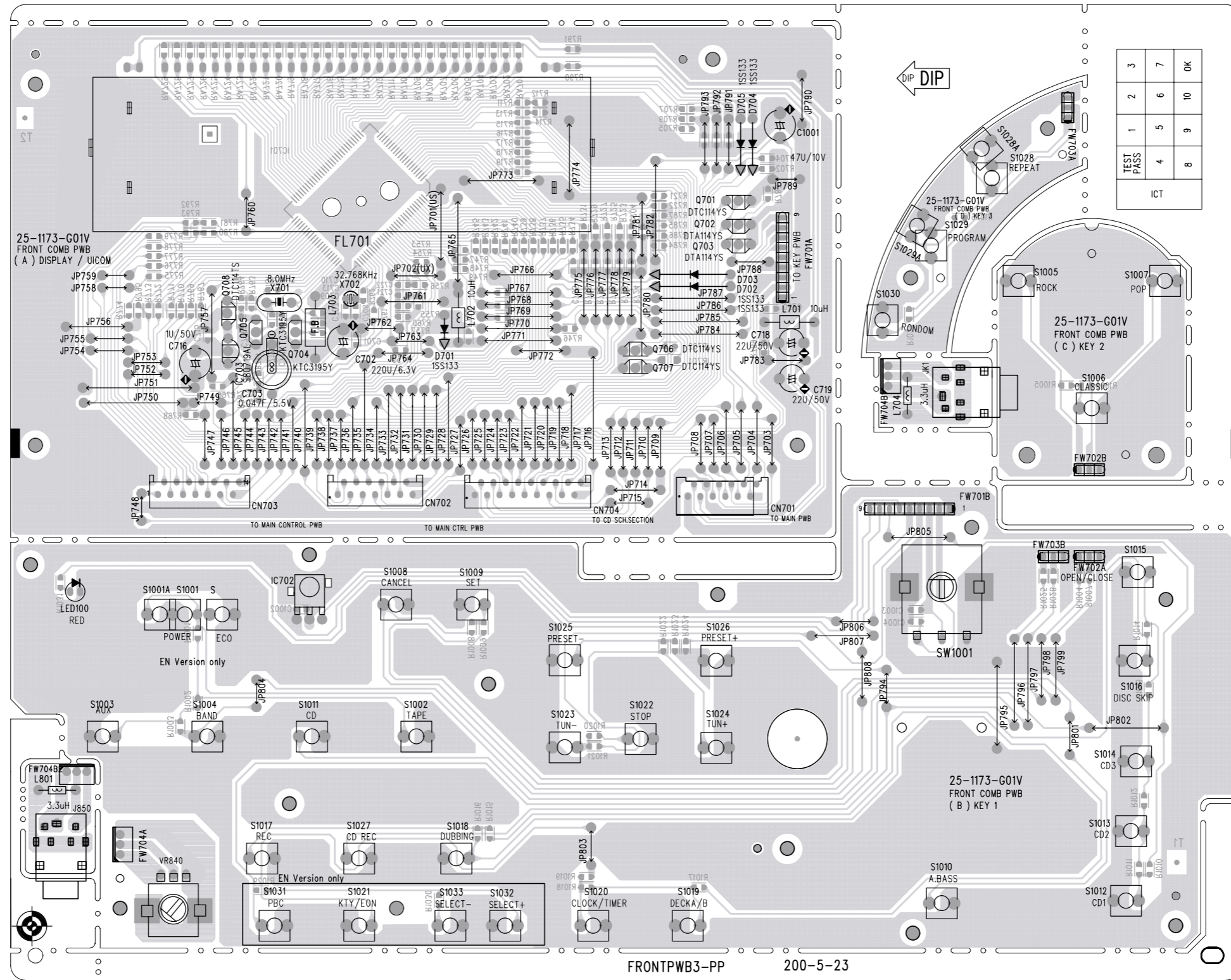
■ CD Main. circuit board (Bottom side) K350V



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2  
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A B C D E F G 2-11

■ Display/Uicom control. circuit board (Top side) K350V



5

4

3

2

1

A

B

C

2-12

D

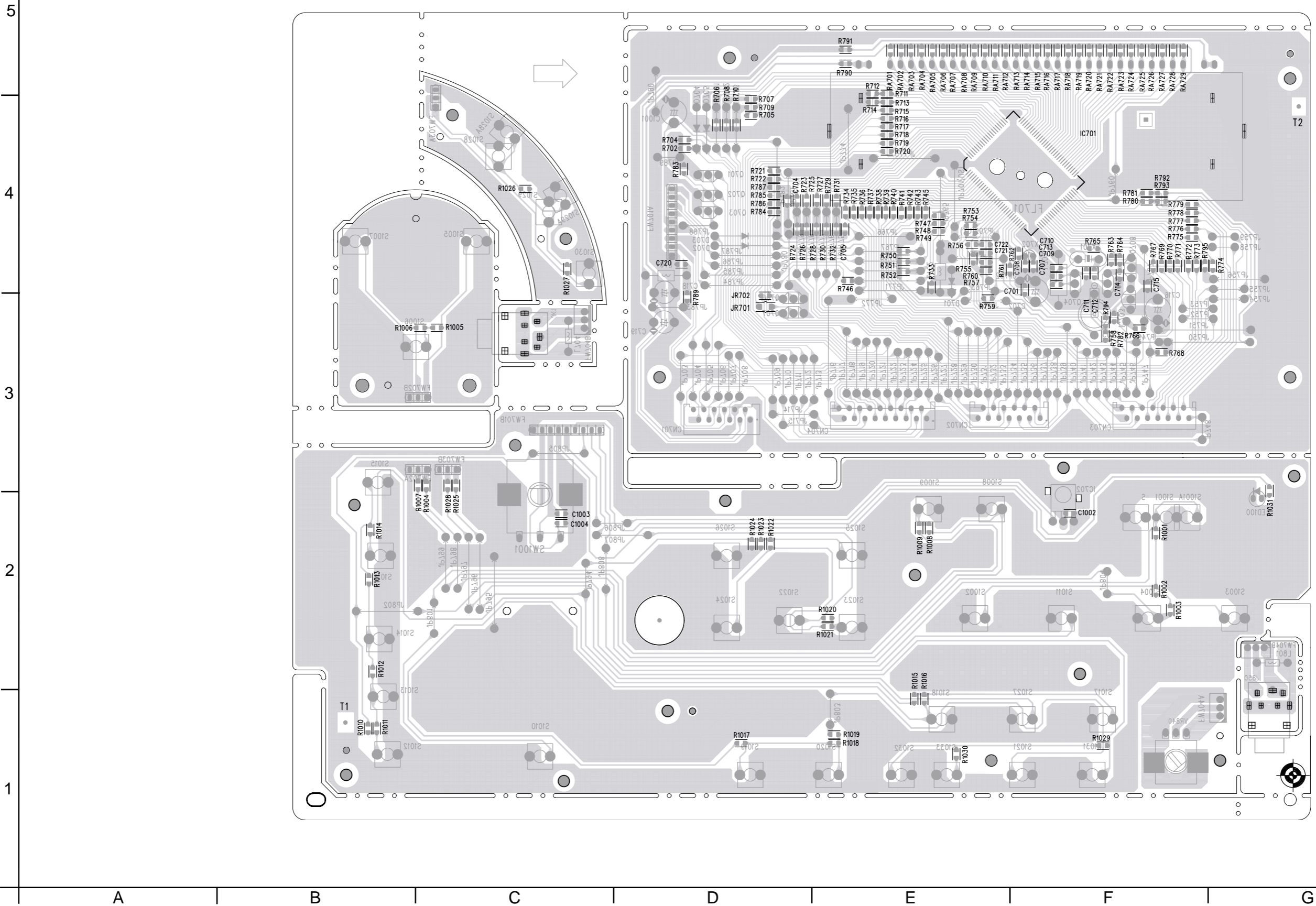
E

F

G

H

■ Display/Uicom control. circuit board (Bottom side) K350V



■ MPEG. circuit board (Top side) K350V

■ MPEG. circuit board (Bottom side) K350V

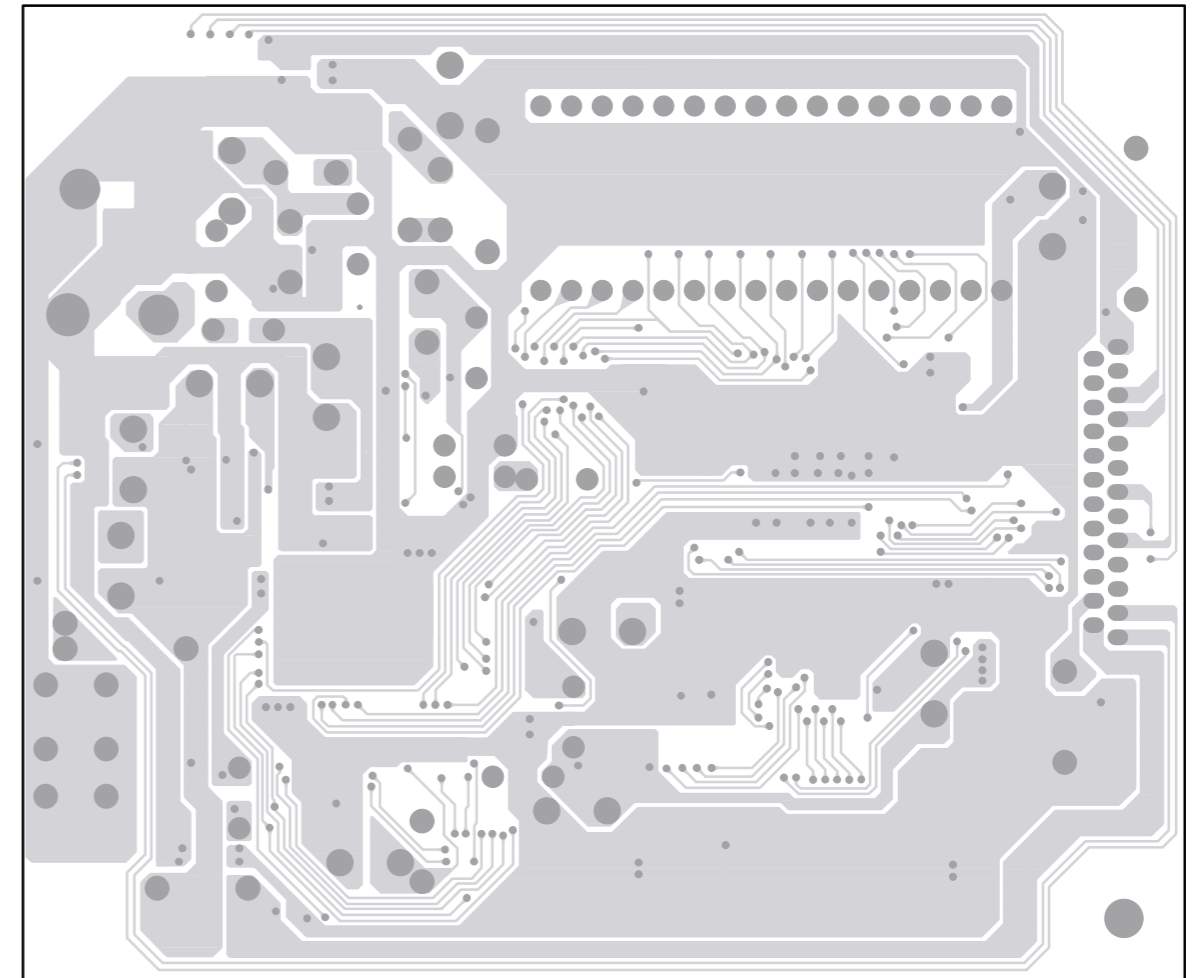
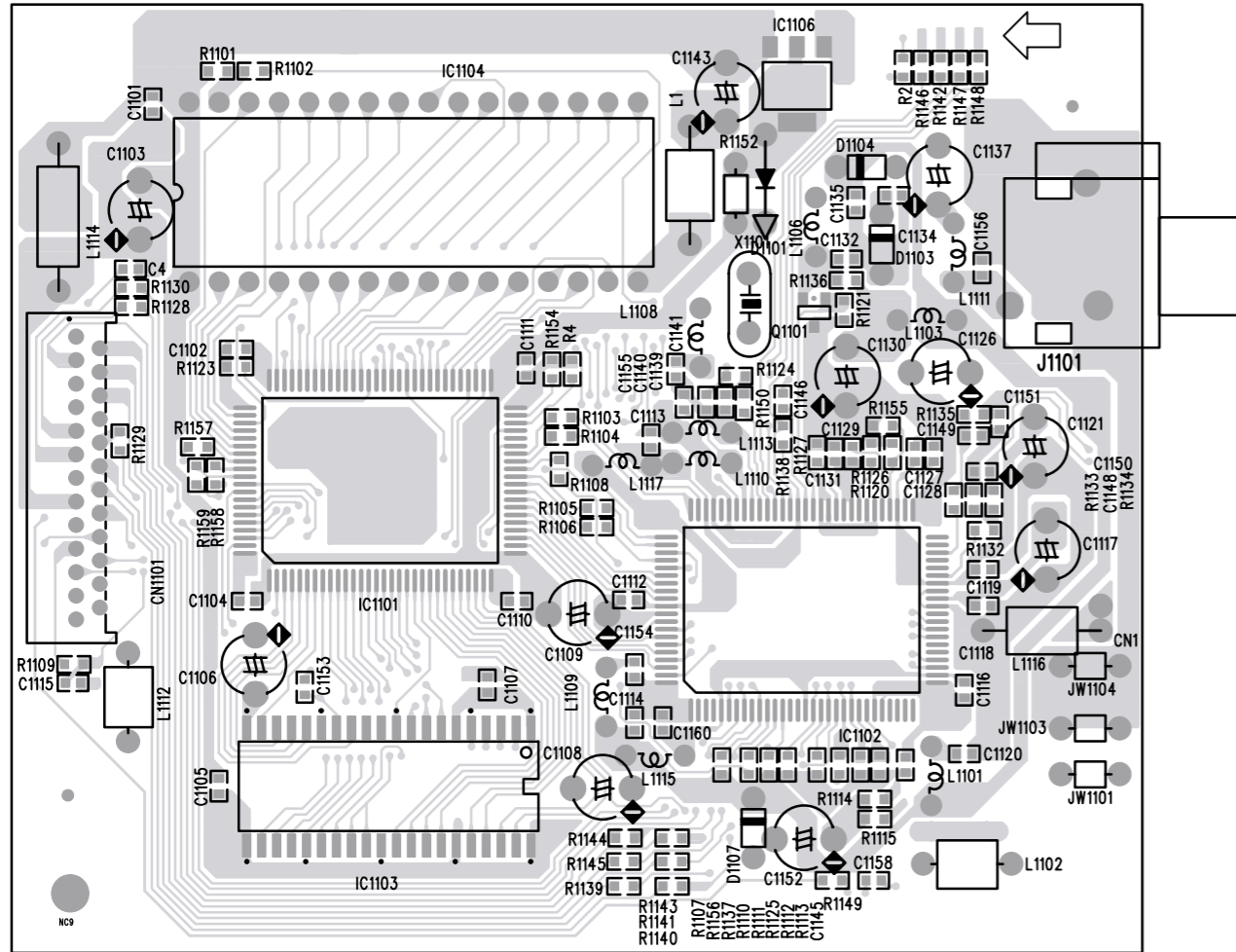
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A

B

C

2-14

D

E

F

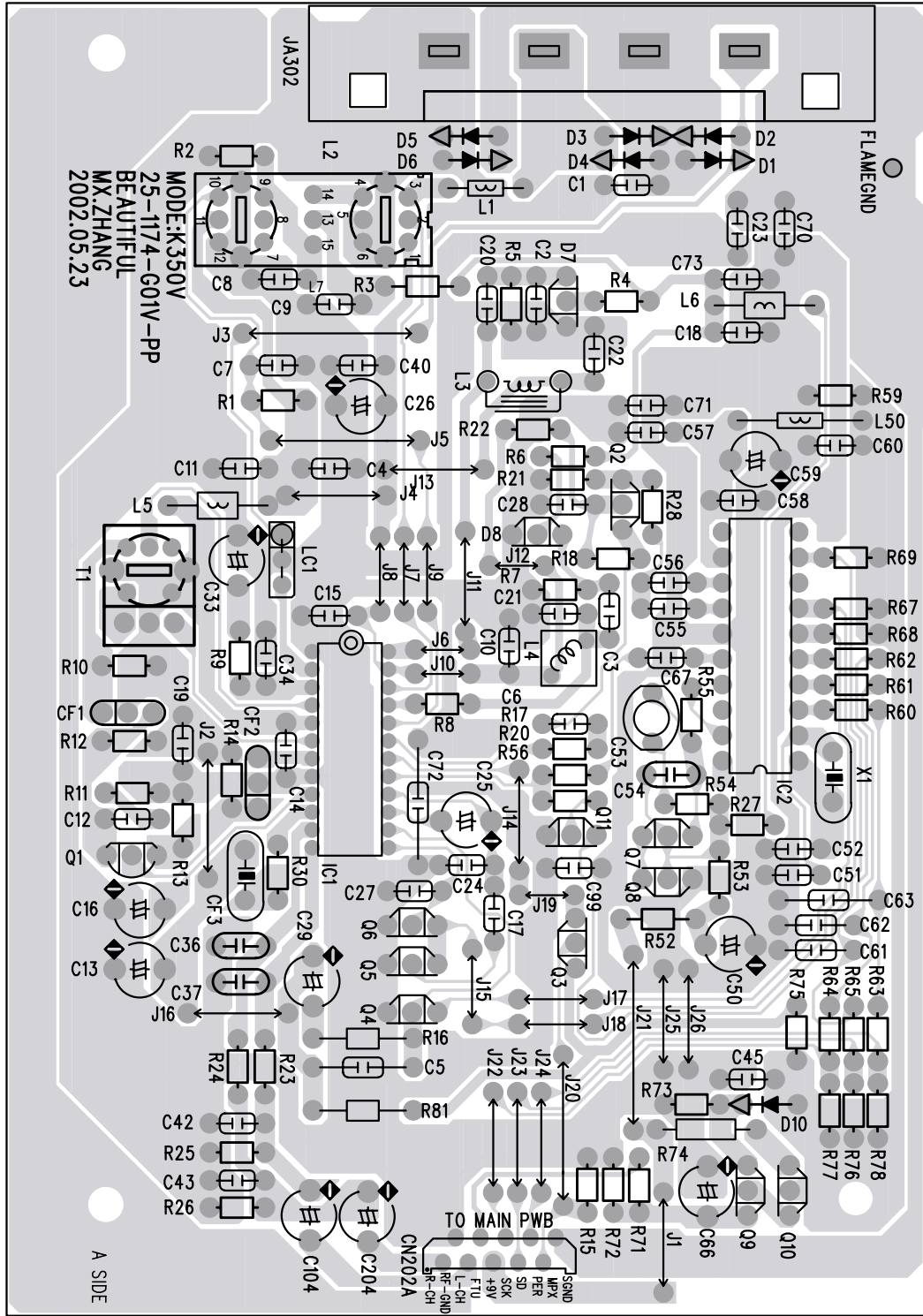
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H



■ Tuner. circuit board (Top side) K350V

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**JVC**

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# PARTS LIST

[ MX-K350V ]

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

## Area suffix

US ----- Singapore  
 UX ----- Saudi Arabia

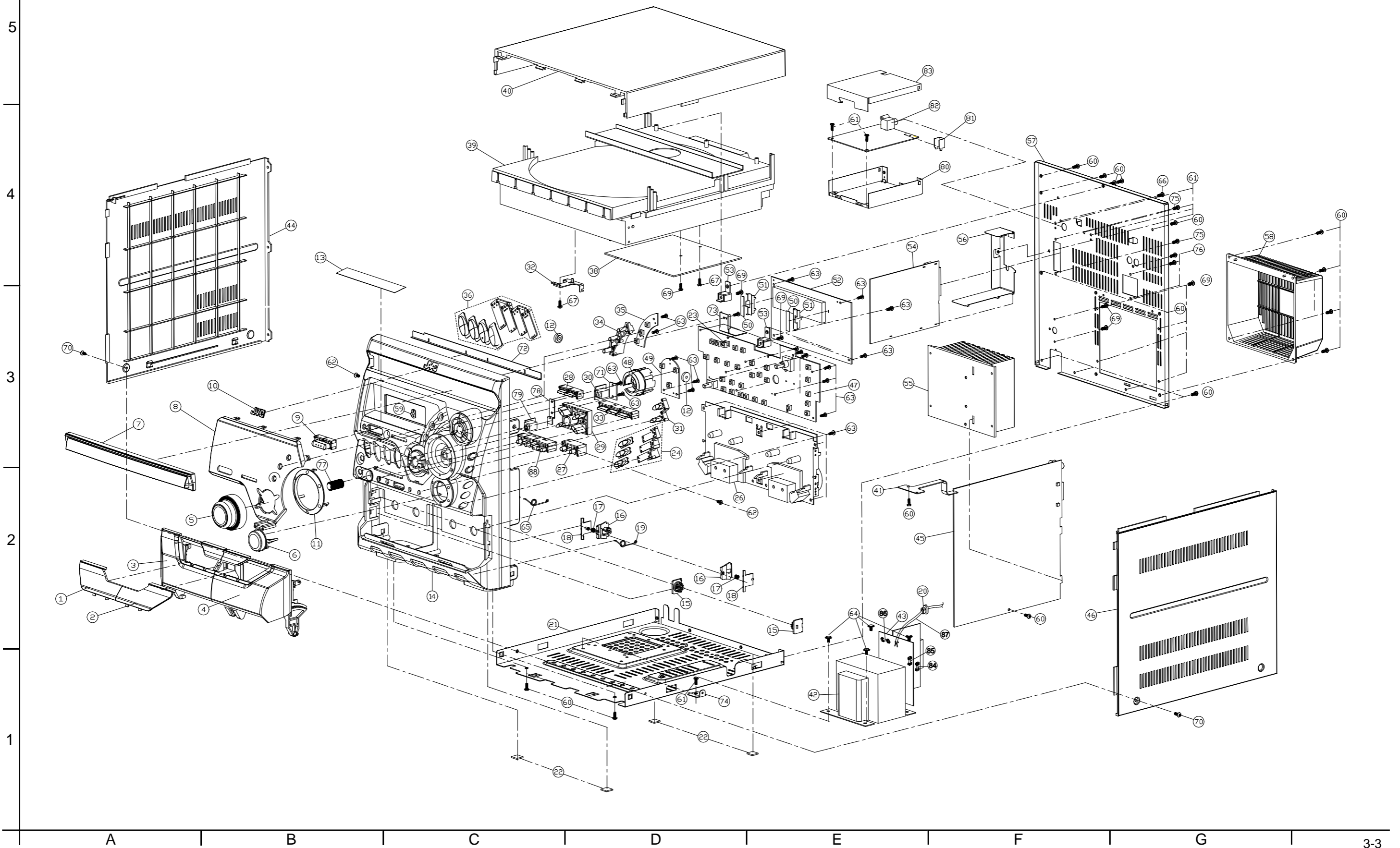
## - Contents -

Exploded view of general assembly and parts list (Block No.M1)-----	3-	3
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Packing materials and accessories parts list (Block No.M3,M5)-----	3-	8

< M E M O >

# Exploded view of general assembly and parts list

Block No. M 1 M M



MX-K350V

MX-K350V

■ Parts list (General assembly)

Block No. M1MM

■ Parts list (General assembly)

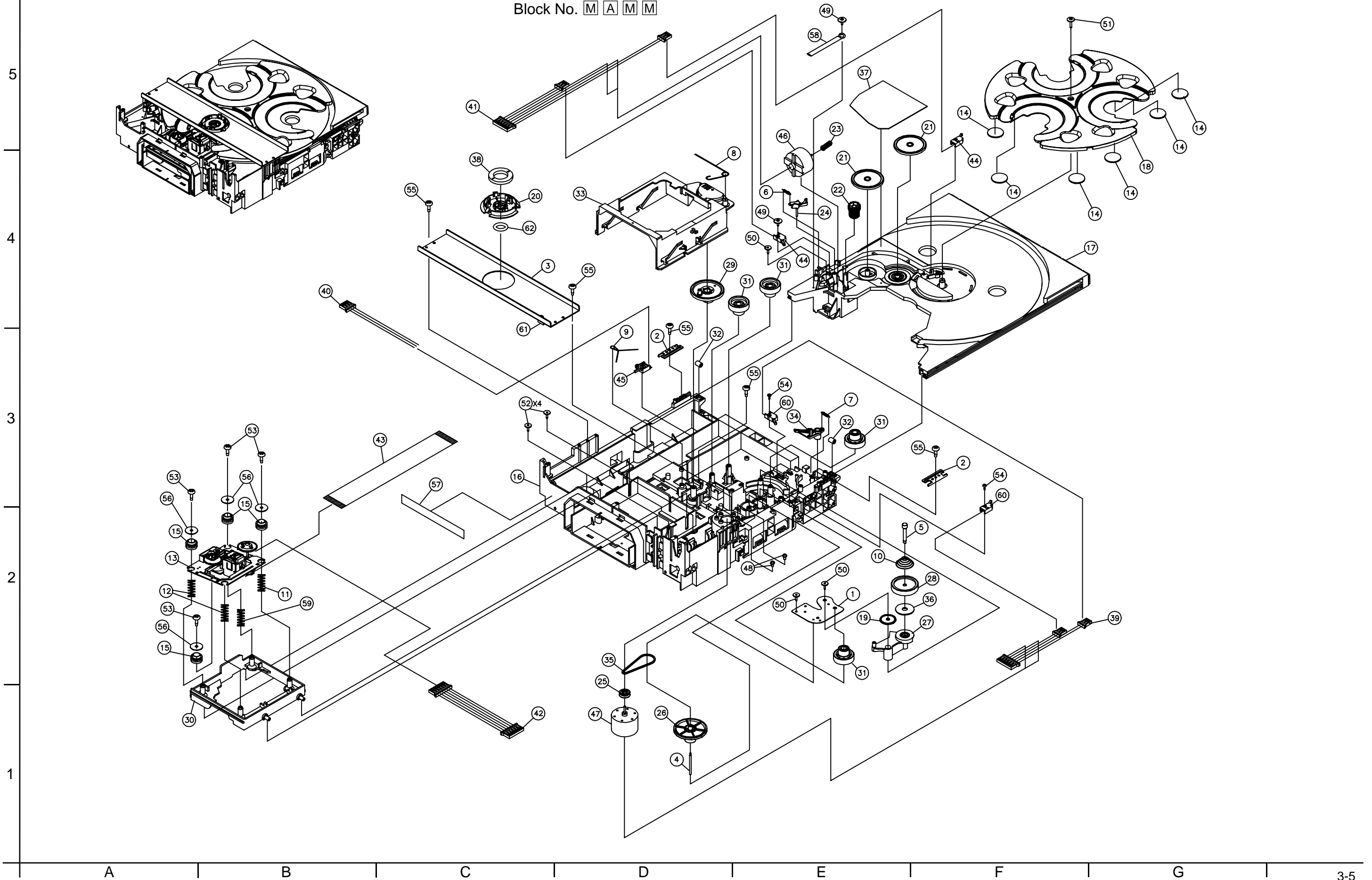
Block No. M1MM

△	Item	Parts number	Parts name	Q'ty	Description	Area
	1	BI109808010101	WINDOW CASS L	1		
	2	BI109809010101	WINDOW CASS R	1		
	3	BI109806010201	BOX CASS L	1		
	4	BI109807010201	BOX CASS R	1		
	5	BI109819010201	KNOB VOLUME	1		
	6	BI109823010101	KEY BASS	1		
	7	BI109805030201	PANEL CD	1		
	8	BI109810060101	WINDOW DISPLAY	1		
	9	BI109830010101	KEY POWER A	1		
	10	BI109835010101	LOGO JVC	1		
	11	BI109834010101	RING VOLUME	1		
	12	BI109969010201	SPACER	2		
	13	BI301781010101	MIRROR SHEET	1		
	14	BI109804040201	PANEL FRONT	1		
	15	BI301388010101	GEAR WHEET DAMP	2		
	16	BI109840010101	LOCKER	2		
	17	BI202408010101	SPRING LOCKER	2		
	18	BI109841010101	HLDR LOCKER	2		
	19	BI202266010101	SPRING CASS R	1		
△	20	BI301789010101	BUSHING	1		
	21	BI202262010401	BOTTOM PLATE	1		
	22	BI103362020102	FOOT RUBBER	4		
	23	BI202103010101	HLDR SENSER	1		
	24	G31K300K05S01	KEY CD CHANGE ASSY	1		
	26	-----	CASSETTE DECK	1	CMAT6Z219A	
	27	BI109832010101	KEY CLOCK	1		
	28	BI109828010101	KEY DEMO	1		
	29	BI109829010201	KEY PLAY/STOP	1		
	30	-----	PWB PHONE	1	251152G01V	
	31	BI109825010201	KEY OPEN/CLOSE	1		
	32	BI202268010101	BRACKET PWB A	1		
	33	BI109831010201	KEY DUBBING	1		
	34	BI109826010201	KEY REPEAT	1		
	35	-----	PWB REPEAT	1	251099G01V	
	36	G31K300K05S02	KEY FUNCTION ASSY	1		
	38	-----	PWB CD	1	251098G10V	
	39	-----	CD DECK	1		
	40	BI109836010201	PANEL TOP	1		
	41	BI202303010101	BRACKET PWB B	1		
△	42	BI2110110040001	PW TRANSFORMERMER	1		
	43	-----	PWB PT	1	251100G01V A	
	44	BI109837010401	PANEL SIDE L	1		
	45	-----	PWB MAIN	1	251152G01V	
	46	BI109838010401	PANEL SIDE R	1		
	47	-----	PWB CONTROL	1	251099G01V	
	48	BI109824010101	KEY SOUND MODE	1		
	49	-----	PWB SOUND MODE	1	251099G01V	
	50	BI301773010101	TAPE DOUBLE SIDE	2		

△	Item	Parts number	Parts name	Q'ty	Description	Area
	51	BI202267010101	BRACKET HLDR VFD	2		
	52	-----	PWB VFD	1	251099G01V	
	53	BI202264010101	BRACKET ADAPTOR	2		
	54	-----	PWB TUNNER	1	251151G01V	
	55	BI202269010101	HEAT SINK	1		
	56	BI202304010101	HLDR TUNNER	1		
	57	BI202320020101	PANEL REAR	1		
		BI202320010101	PANEL REAR	1		
	58	BI109839010101	HEAT SINK COVER	1		
	59	BI109818010101	LES LED	1		
	60	BIRM000604S3	SCREW	20	RH/MS3X8MM	
	61	BIRM000601S3	SCREW	8	RH/MS3X6MM	
	62	BIKT000627	SCREW	2	KT/TS3X12MM	
	63	BIBT000418	SCREW	31	BH/TS2.6X8MM	
	64	BIPMW001101S3	SCREW	4	PMW/TS4X8MM	
	65	BI202265101010	SPRING CASS L	1		
	66	BIRT000618B2	SCREW	3	RH/TH3X6MM	
	67	BIBT000206	SCREW	2	BH/TS2X8MM	
	68	BIBT0006091	SCREW	2	BH/TS3X14MM	
	69	BIRT000611B3	SCREW	7	RH/TS3X8MM	
	70	BIBM000618	SCREW	2	BT/MS3X6MM	
	71	-----	PWB PHONE HOLDER	1	251099G01V	
	72	BI202337010101	BRACKET FORNT	1		
	73	BI202348010101	BRACKET CD DECK	1		
	74	BI202351010101	BRACKET MB	1		
	75	BIRT000617B3	SCREW	2	RH/TS3X10MM	
	76	BIRT000621B3	SCREW	3	RH/TS3X8MM	
	77	BI109820010101	KEY VOLUME MIC	1		
	78	BI202364010101	BRACKET MIC PHONE	1		
	79	BI23B0112	MIC JACK	1		
	80	BI202423010101	PLATE VIDEO BOTTOM	1		
	81	BI202454010101	GRD VIDEO	1		
	82	-----	PWB VIDEO	1	251176G01V	
	83	BI202424010101	PLATE VIDEO TOP	1		
△	84	BI403111	FUSE	1	1.25AL 250V	
△	85	BI402891	FUSE	1	1.6A 250V T218	
△	86	BI403021	FUSE	1	2A 250V	
△	87	BI1401001	AC CORD	1		US
△		BI1401131	AC CORD	1		UX
	88	BI109820010101	PUSH BUTTON	1		

# CD changer mechanism assembly and parts list

Block No. **M A M M**



MX-K350V

MX-K350V

■ Parts list (CD changer mechanism)

Block No. MAMM

△	Item	Parts number	Parts name	Q'ty	Description	Area
	1	BI3199801000	GEAR PLATE	1		
	2	BI3199802000	GUIDE PLATE	2		
	3	BI3199804002	UP COVER PLATE	1		
	4	BI3499801000	SHAFT PULLEY	1		
	5	BI3499802000	SHAFT SWING	1		
	6	BI3599801001	T/T SWITCH SPRING	1		
	7	BI3599802000	SWING SPRING	1		
	8	BI3599803000	SPRING BIG	1		
	9	BI3599804000	SPRING SMALL	1		
	10	BI3599805000	TOWER FORM SPRING	1		
	11	BI3599806000	CUSHION HARD	1		
	12	BI3599807000	CUSHION SOFT	2		
	13	BI36CJ000000	M-399 OPTIMA-7	1	CD MECH.W/PICK UP	
	14	BI8814035105	TABLE	6		
	15	BI3799802000	CUSHION RUBBER	4		
	16	BI4299801002	BASE	1		
	17	BI4299802000	TRAY	1		
	18	BI4299803002	TURN CHANGER	1		
	19	BI4299804000	INERTIA GEAR A	1		
	20	BI4299821000	HOLDER DISC	1		
	21	BI4299806000	T/T GEAR	2		
	22	BI4297307000	OBLIQUE GEAR	1		
	23	BI4299808000	SCREW STICK	1		
	24	BI4299809000	T/T LEVER LOCK	1		
	25	BI4299810000	PULLEY	1		
	26	BI4299811000	PULLEY GEAR	1		
	27	BI4299812000	BASE CHANGE	1		
	28	BI4299813000	TRANSMISSION	1		
	29	BI4299814001	MECHA GEAR	1		
	30	BI4299815000	MECHA HOLDER	1		
	31	BI4299816001	INERTIA GEAR B	4		
	32	BI4299817000	ROLLER	2		
	33	BI4299818000	BASE CD MECHANISM	1		
	34	BI4299819000	BUFFER BASE	1		
	35	BI4399801000	BELT	1		
	36	BI4799801000	BASE CHANGE FELT	1		
	37	BI4799803001	PVC PLATE	1		
	38	BI4799804000	MAGNET DISC CRAMP	1		
	39	BI5099807001	WIRE ASSY 6P	1		
	40	BI5099808000	WIRE ASSY 3P	1		
	41	BI5099809001	WIRE ASSY 6P	1		
	42	BI5099813000	WIRE ASSY 6P	1		
	43	BI5099814000	FLEX CABLE 16P	1		
	44	BI6599801002	SWITCH	2		
	45	BI6599802000	SWITCH	1		
	46	BI6994301000	MOTOR	1		
	47	BI6999801000	MOTOR	1		
	48	BI86000102J3	SCREW	2	M2.6X5.0	

■ Parts list (CD changer mechanism)

Block No. MAMM

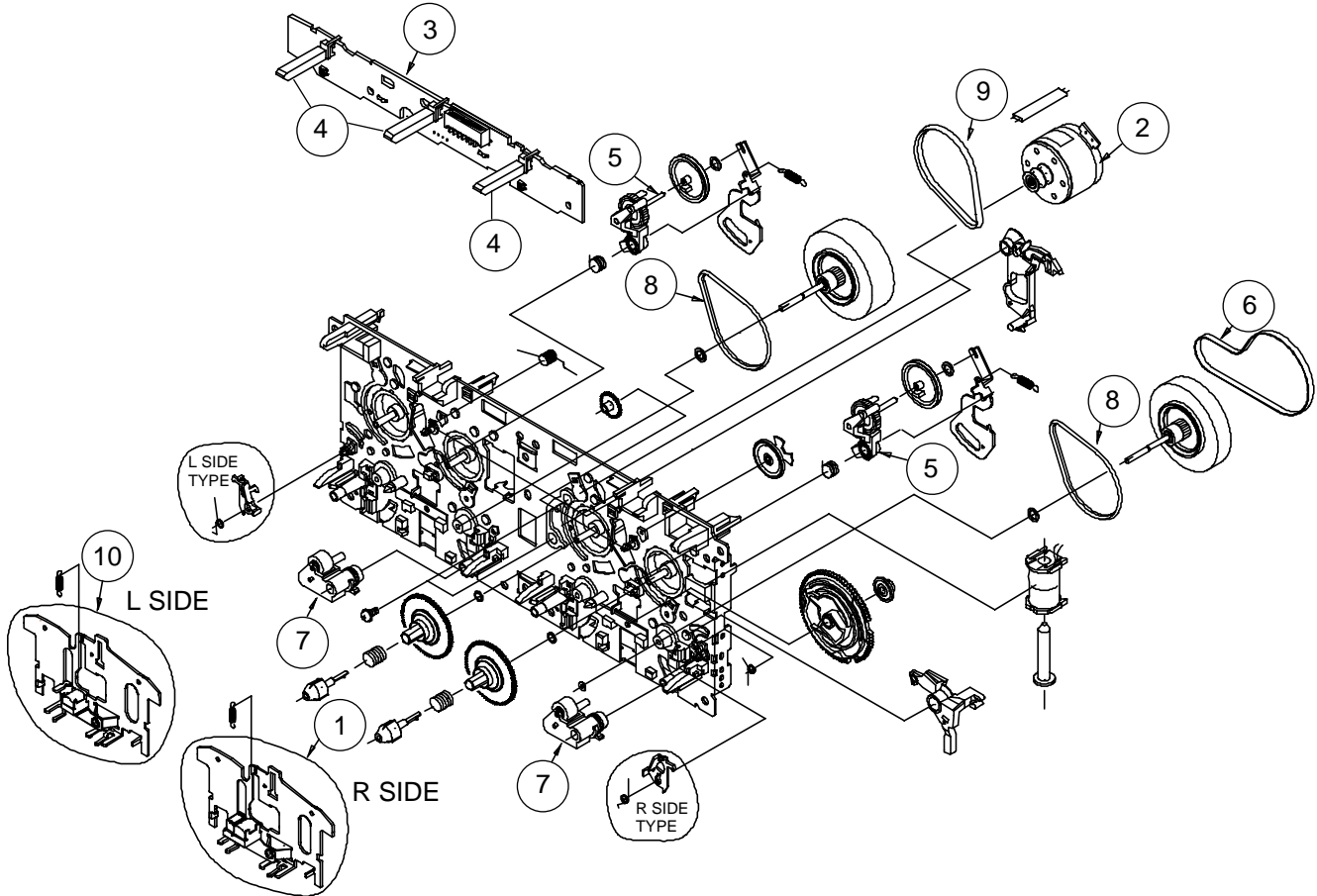
△	Item	Parts number	Parts name	Q'ty	Description	Area
	49	BI86000115F1	SCREW	2	M2.0X12.0	
	50	BI86000125E1	SCREW	3	M1.7X8.0	
	51	BI86000135E1	SCREW	1	M3.0X8.0	
	52	BI86000145E2	SCREW	4	M1.7X8.0	
	53	BI865F31B075	SCREW	4	M2.0X7.5	
	54	BI865F31B120	SCREW	2	M2.0X12.0	
	55	BI865J31B080	SCREW	5	M2.6X8.0	
	56	BI8811231206	WASHER	4	2.2X13.0X0.6	
	57	BI4500001100	YST BAR CODE	1		
	58	BI5599810000	WIRE CLAMPER	1		
	59	BI3599806001	CUSHION SPR HARD	1		
	60	BI6599801000	SWITCH	2		
	61	BI3799801000	RUBBER	1		
	62	BI4799805000	WASHER FELT	1		



# 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.)

■ Parts list (Cassette mechanism)

Block No. MPMM

▲	Item	Parts number	Parts name	Q'ty	Description	Area
	1	BIF513858	PLATE HD BLK	1		
	2	BIF525346	MTR MAIN BLK	1		
	3	BIF567843	PCB CONTROL BLK	1		
	4	BIUE20P12	LEAF SWITCH	3		
	5	BIF522063	CLUTCH ASSY BLK	2		
	6	BIFF19N31	MAIN BELT	1		
	7	BIF51435	ROLLER PINCH BLK R	2		
	8	BIFF19S31	F/R BELT MO	2		
	9	BIFF19N22	MAIN BELT	1		
	10	BIF513855	PLATE HD BLK	1		

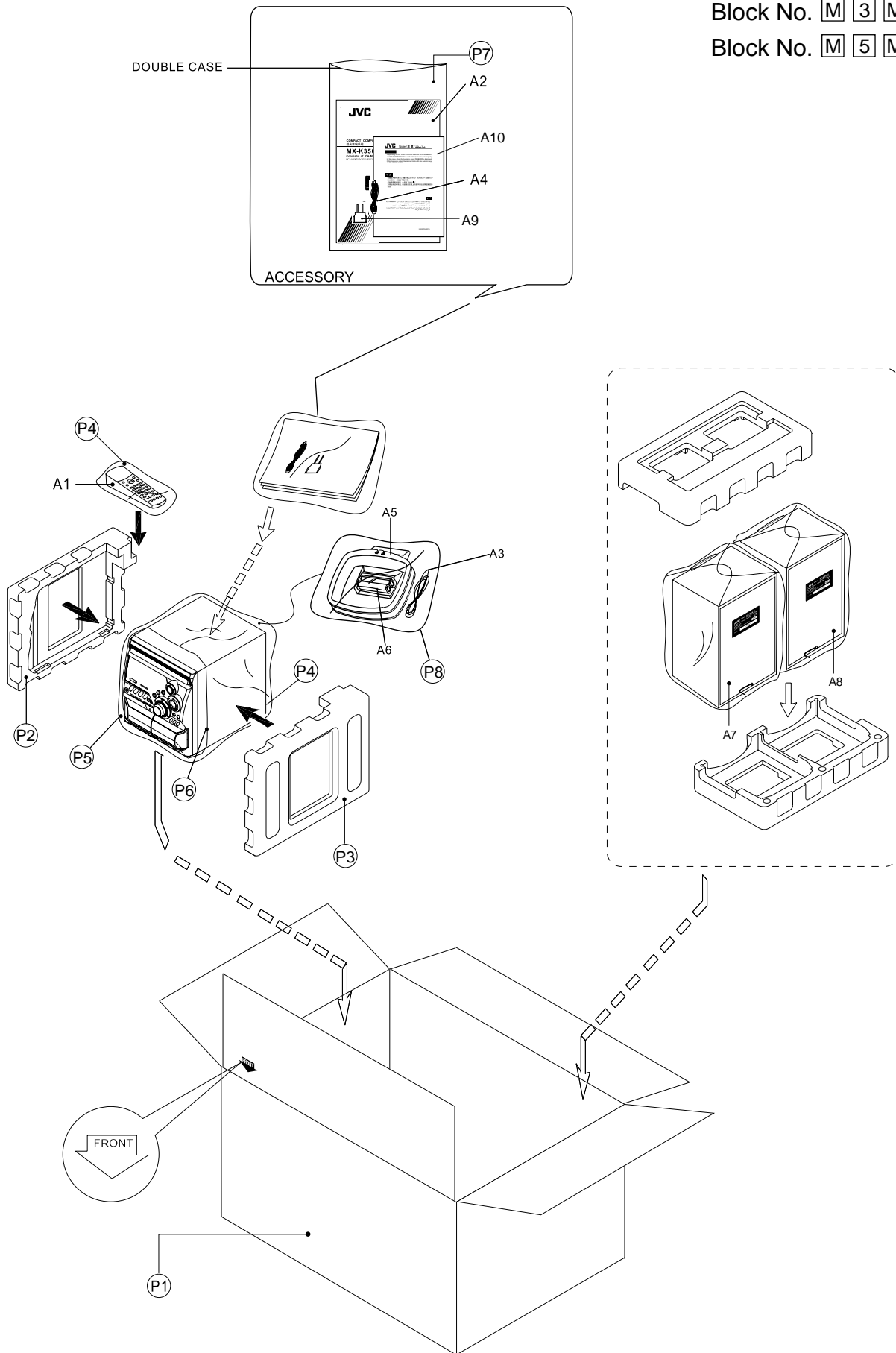
# Packing materials and accessories parts list

Block No. 

M	3	M	M
---	---	---	---

Block No. 

M	5	M	M
---	---	---	---



**Parts list (Packing)**

Block No. M3MM

⚠	Item	Parts number	Parts name	Q'ty	Description	Area
	P 1	BI4312641	CARTON BOX	1		
	P 2	BI4511363	POLY FOAM L	1		
	P 3	BI4511373	POLY FOAM R	1		
	P 4	BI4005355	POLY BAG	2	REMOTE&AC CORD	
	P 5	BI4710321	POLY BAG	1	UNIT	
	P 6	BI4511451	EPE FOAM PAPER	1		
	P 7	BI4710311	POLY BAG	1	INSTRUCTIONS	
	P 8	BI4710511	POLY BAG	1	LOOP ANT	

**Parts list (Accessories)**

Block No. M5MM

⚠	Item	Parts number	Parts name	Q'ty	Description	Area
	A 1	BI600RMK350080	REMOTE CONTROL	1		
	A 2	BI4411591	INSTRUCTIONS	1	LVT0864-002A	UX
		BI4411481	INSTRUCTIONS	1	LVT0864-001A	US
	A 3	BIAN01012	WIRE ANT	1		
	A 4	BI11F2000SA01	VIDEO LINE CORD	1		
	A 5	BIAN01031	LOOP ANT	1		
	A 6	-----	BATTERY	2		
	A 7	MXK350K-SPBOX-L	SPEAKER BOX L	1		
	A 8	MXK350K-SPBOX-R	SPEAKER BOX R	1		
⚠	A 9	BI23A0261	PLUG CONVERSION	1	JT-0475	UX
⚠		BI23A0094	PLUG CONVERSION	1	JT-0476 250V	US
	A10	BI4033111	CAUTION SHEET	1	LV43319-001A	

# PARTS LIST

[ MX-K350V ]

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

## Area suffix

US ----- Singapore  
 UX ----- Saudi Arabia

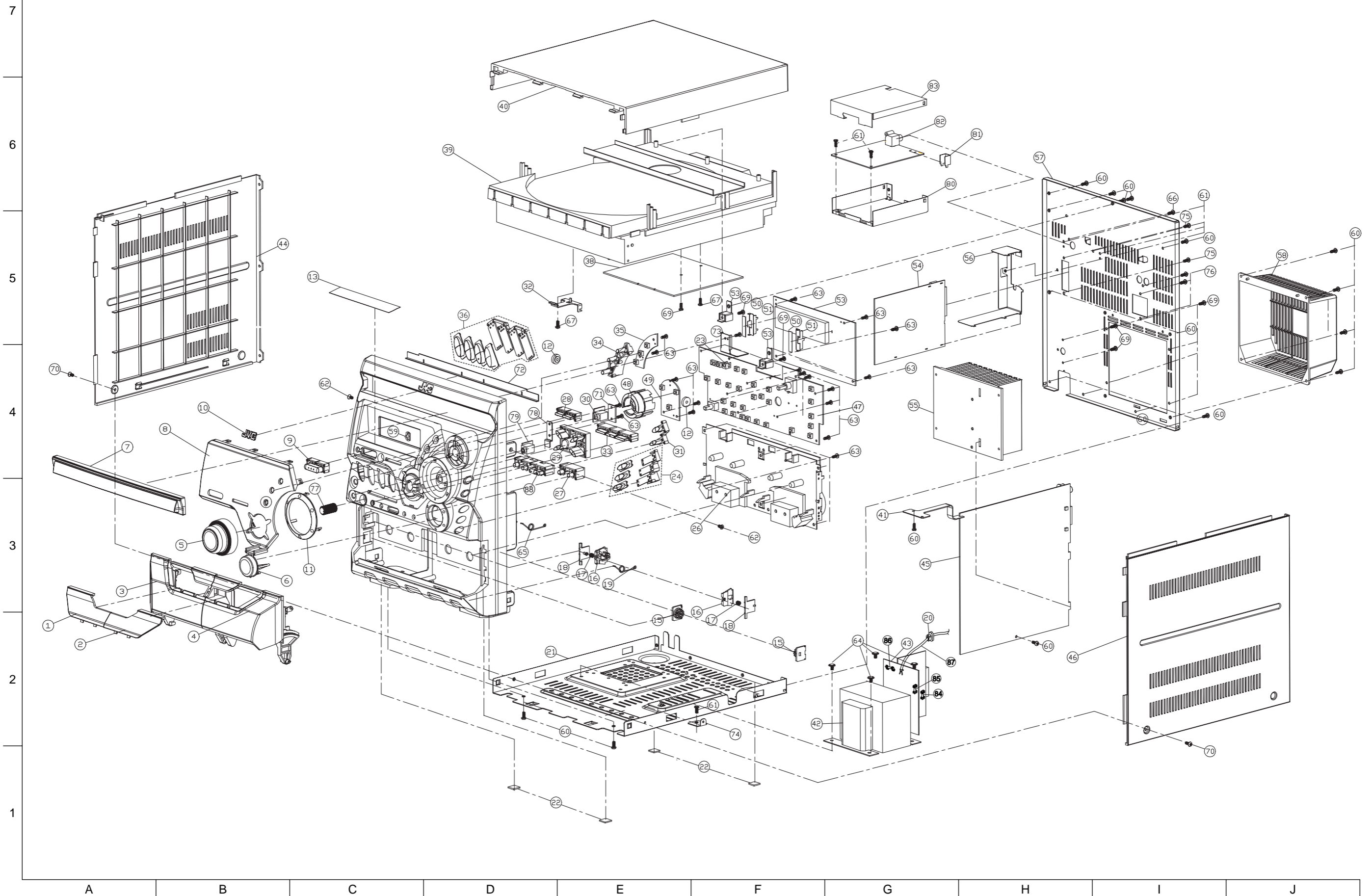
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**< M E M O >**

Exploded view of general assembly and parts list (K350V)

Block No. **M 1 M M**



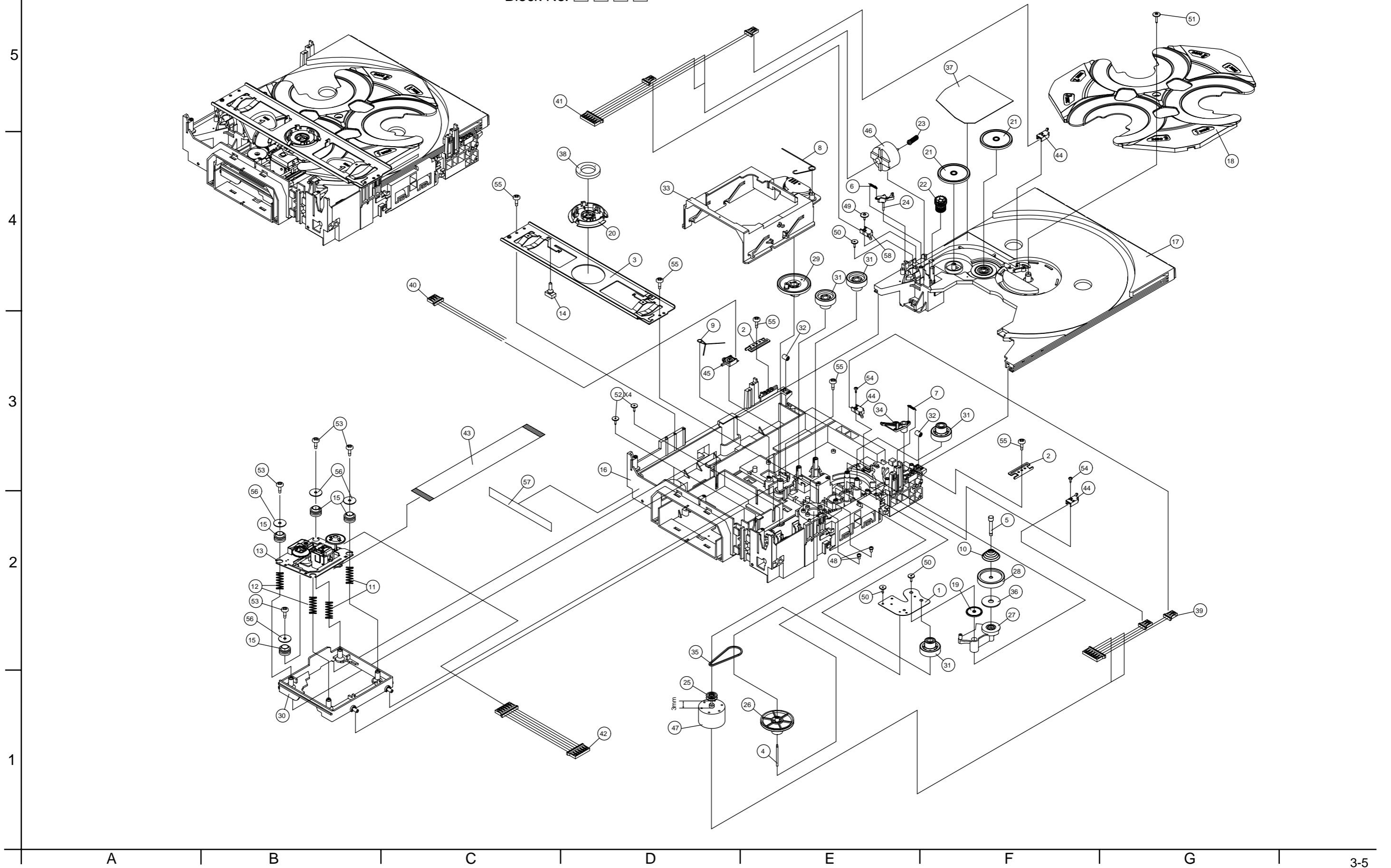
## Parts list (Exploded view of general assembly)

⚠	Item	Parts number	Parts name	Q'ty	Description	Area
	1	BI109808010101	WINDOW, CASS L	1		
	2	BI109809010101	WINDOW, CASS R	1		
	3	BI109806010201	BOX, CASS L	1		
	4	BI109807010201	BOX, CASS R	1		
	5	BI109819010201	KNOB, VOLUME	1		
	6	BI109823010101	KEY, BASS	1		
	7	BI109805030201	PANEL, CD	1		
	8	BI109810060101	WINDOW, DISPLAY	1		
	9	BI109830010101	KEY, POWER A	1		
	10	BI109835010101	LOGO, JVC	1		
	11	BI109834010101	RING, VOLUME	1		
	12	BI109969010201	SPACER	2		
	13	BI301781010101	MIRROR SHEET	1		
	14	BI109804040201	PANEL, FRONT	1		
	15	BI301388010101	GEAR WHEET, DAMP	2		
	16	BI109840010101	LOCKER	2		
	17	BI202408010101	SPRING, LOCKER	2		
	18	BI109841010101	HLDR, LOCKER	2		
	19	BI202266010101	SPRING, CASS R	1		
	20	BI301789010101	BUSHING	1		
	21	BI202262010401	BOTTOM PLATE	1		
	22	BI103362020102	FOOT RUBBER	4		
	23	BI202103010101	HLDR, SENSER	1		
	24	G31K300K05S01	KEY, CD CHANGE ASSY	1		
	26	BI3101441	DECK	1	CMAT6Z219A	
	27	BI109832010101	KEY, CLOCK	1		
	28	BI109828010101	KEY, DEMO	1		
	29	BI109829010201	KEY, PLAY/STOP	1		
	30		PWB-PHONE	1	251152G01V	
	31	BI109825010201	KEY, OPEN/CLOSE	1		
	32	BI202268010101	BRACKET-PWB-A	1		
	33	BI109831010201	KEY, DUBBING	1		
	34	BI109826010201	KEY, REPEAT	1		
	35		PWB-REPEAT	1	251099G01V	
	36	G31K300K05S02	KEY, FUNCTION ASSY	1		
	38		PWB-CD	1	251098G10V	
	39	BI681MXK30000	CD DECK	1		
	40	BI109836010201	PANEL, TOP	1		
	41	BI202303010101	BRACKET-PWB-B	1		
⚠	42	BI21101100400010	PW TRANSFORMERMER	1		
	43		PWB-PT	1	251100G01V(A)	
	44	BI109837010401	PANEL, SIDE L	1		
	45		PWB-MAIN	1	251152G01V	
	46	BI109838010401	PANEL, SIDE R	1		
	47		PWB-CONTROL	1	251099G01V	
	48	BI109824010101	KEY, SOUND MODE	1		
	49		PWB-SOUND MODE	1	251099G01V	
	50	BI301773010101	TAPE DOUBLE SIDE	2		

⚠	Item	Parts number	Parts name	Q'ty	Description	Area
	51	BI202267010101	BRACKET HLDR-VFD	2		
	52		PWB-VFD	1	251099G01V	
	53	BI202264010101	BRACKET, ADAPTOR	2		
	54		PWB-TUNNER	1	251151G01V	
	55	BI202269010101	HEATSINK	1		
	56	BI202304010101	HLDR-TUNNER	1		
	57	BI202320010101	PANEL, REAR	1		
		BI202320020101	PANEL, REAR	1		
	58	BI109839010101	HEATSINK-COVER	1		
	59	BI109818010101	LES, LED	1		
	60	BIRM000604S3	SCREW	20	RH/MS3X8mm	
	61	BIRM000601S3	SCREW	8	RH/MS3X6mm	
	62	BIKT000627	SCREW	2	KT/TS3X12mm	
	63	BIBT000418	SCREW	31	BH/TS2.6X8mm	
	64	BIPMW001101S3	SCREW	4	PMW/TS4X8mm	
	65	BI202265101010	SPRING, CASS L	1		
	66	BIRT000618B2	SCREW	3	RH/TH3X6mm	
	67	BIBT000206	SCREW	2	BH/TS2X8mm	
	68	BIBT0006091	SCREW	2	BH/TS3X14mm	
	69	BIRT000611B3	SCREW	7	RH/TS3X8mm	
	70	BIBM000618	SCREW	2	BT/MS3X6mm	
	71		PWB PHONE HOLDER	2	251099G01V	
	72	BI202337010101	BRACKET-FORNT	1		
	73	BI202348010101	BRACKET-CD-DECK	1		
	74	BI202351010101	BRACKET-MB	1		
	75	BIRT000617B3	SCREW	2	RH/TS3X10mm	
	76	BIRT000621B3	SCREW	3	RH/TS3X8mm	
	77	BI109820010101	KEY, Volume MIC	1		
	78	BI202364010101	BRACKET MIC-PHONE	1		
	79	BI23B0112	MIC JACK	1		
	80	BI202423010101	PLATE VIDEO BOTTOM	1		
	81	BI202454010101	GRD VIDEO	1		
	82		PWB VIDEO	1	251176G01V	
	83	BI202424010101	PLATE VIDEO TOP	1		
⚠	84	BI403111	FUSE	1	1.25AL 250V	
⚠	85	BI402891	FUSE	1	1.6A 250 T218	
⚠	86	BI403021	FUSE	1	2A 250V	
⚠	87	BI1401001	AC CORD	1		US
⚠		BI1401131	AC CORD	1		UX
	88	BI109820010101	KEY CONTROL	1		

# CD changer mechanism assembly and parts list

Block No. M A M M





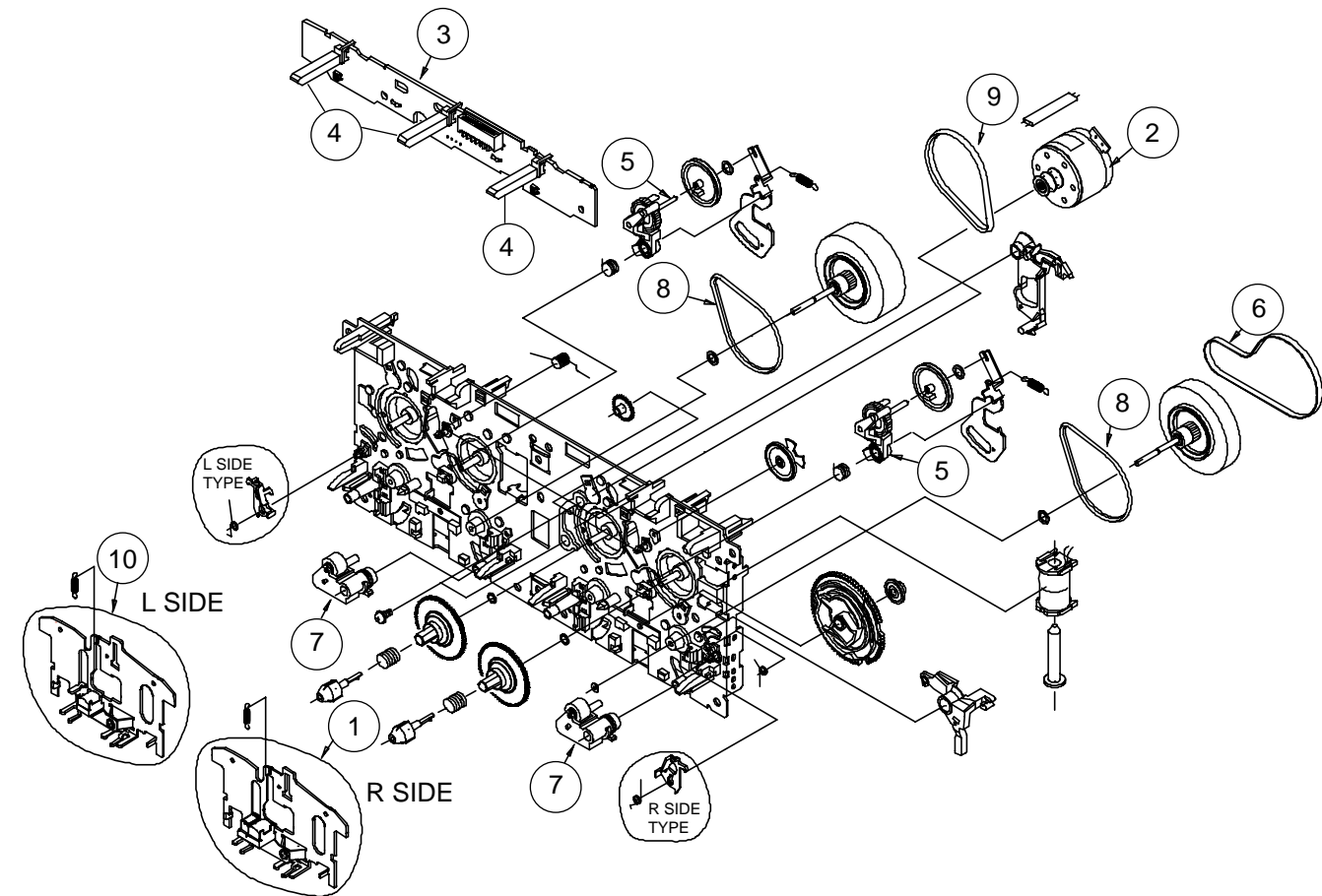
Electrical parts list ( K350V-CD Changer )

Item Location	Parts number	Parts name	Q'ty.	Description	Area
1	BI3199801000	GEAR PLATE	1		
2	BI3199802000	GUIDE PLATE	2		
3	BI3199804002	UP COVER PLATE	1		
4	BI3499801000	SHAFT PULLEY	1		
5	BI3499802000	SHAFT SWING	1		
6	BI3599801001	T/T SWITCH SPRING	1		
7	BI3599802000	SWING SPRING	1		
8	BI3599803000	SPRING BIG	1		
9	BI3599804000	SPRING SMALL	1		
10	BI3599805000	TOWER FORM SPRING	1		
11	BI3599806000	CUSHION HARD	1		
12	BI3599807000	CUSHION SOFT	3		
13	BI36CJ000000	M-399 OPTIMA-7	1	CD MECH.W/PICK UP	
14	BI8814035105	TABLE	6		
15	BI3799802000	CUSHION RUBBER	4		
16	BI4299801002	BASE	1		
17	BI4299802000	TRAY	1		
18	BI4299803002	TURN CHANGER	1		
19	BI4299804000	INERTIA GEAR (A)	1		
20	BI4299821000	HOLDER DISC	1		
21	BI4299806000	T/T GEAR	2		
22	BI4297307000	OBLIQUE GEAR	1		
23	BI4299808000	SCREW STICK	1		
24	BI4299809000	T/T LEVER LOCK	1		
25	BI4299810000	PULLEY	1		
26	BI4299811000	PULLEY GEAR	1		
27	BI4299812000	BASE CHANGE	1		
28	BI4299813000	TRANSMISSION	1		
29	BI4299814001	MECHA GEAR	1		
30	BI4299815000	MECHA HOLDER	1		
31	BI4299816001	INERTIA GEAR (B)	4		
32	BI4299817000	ROLLER	2		
33	BI4299818000	BASE CD MECHANISM	1		
34	BI4299819000	BUFFER BASE	1		
35	BI4399801000	BELT	1		
36	BI4799801000	BASE CHANGE FELT	1		
37	BI4799803001	PVC PLATE	1		
38	BI4799804000	MAGNET DISC CRAMP	1		
39	BI5099807001	WIRE ASSY 6P	1		
40	BI5099808000	WIRE ASSY 3P	1		
41	BI5099809001	WIRE ASSY 6P	1		
42	BI5099813000	WIRE ASSY 6P	1		
43	BI5099814000	FLEX CABLE 16P	1		
44	BI6599801002	SWITCH	3		
45	BI6599802000	SWITCH	1		
46	BI6994301000	MOTOR	1		
47	BI6999801000	MOTOR	1		
48	BI86000102J3	SCREW	2	M2.6 x 5.0	
49	BI86000115F1	SCREW	1	M2.0 x 12.0	
50	BI86000125E1	SCREW	3	M1.7 x 8.0	
51	BI86000135E1	SCREW	1	M3.0 x 8.0	
52	BI86000145E2	SCREW	4	M1.7 x 8.0	
53	BI865F31B075	SCREW	4	M2.0 x 7.5	
54	BI865F31B120	SCREW	2	M2.0 x 12.0	
55	BI865J31B080	SCREW	5	M2.6 x 8.0	
56	BI8811231206	WASHER	4	2.2 x 13.0 x 0.6	
57	BI4500001100	YST BAR CODE	1		
58	BI5599810000	WIRE CLAMPER	1		
59	BI3599806001	CUSHION SPR HARD	1		
60	BI6599801000	SWITCH	1		
61	BI3799801000	RUBBER	1		
62	BI4799805000	WASHER,FELT	1		

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.)

Parts List (Cassette mechanism)

Block No. MPMM

Item	Parts number	Parts name	Q'ty	Description	Area
1	BIF513-858	PLATE HD BLK	1		
2	BIF525-346	MTR MAIN BLK	1		
3	BIF567-843	PCB CONTROL BLK	1		
4	BIUE20P-12	LEAF SWITCH	3		
5	BIF522-063	CLUTCH ASSY BLK	2		
6	BIFF19N-31	MAIN BELT	1		
7	BIF514-35	ROLLER PINCH BLK R	2		
8	BIFF19S-31	F/R BELT MO	2		
9	BIFF19N-22	MAIN BELT	1		
10	BIF513-855	PLATE HD BLK	1		

## ■ Electrical parts list (CD selection)

Block No. 01

▲	Item	Parts number	Parts name	Remarks	Area	▲	Item	Parts number	Parts name	Remarks	Area
	CN601	12S160031	CONNECTOR	16P/1.0MM			C660	QETM1CM-106	E CAPACITOR	10UF M 16V	
	CN602	23S600961	CONNECTOR	6P/PITCH2.0MM			C661	QETM1HM-335	E CAPACITOR	3.3UF M 50V	
	CN603	12S30030	CONNECTOR	3P			C662	QENA1HM-475	BP E CAPACITOR	4.7UF/50V	
	CN604	23S600961	CONNECTOR	6P/PITCH2.0MM			C663	NCB31CK-104	C CAPACITOR	0.1UF K 16V	
	CN605	23S600961	CONNECTOR	6P/PITCH2.0MM			D601	11ES2-T4	SI DIODE		
	CN606	12S250001	CONNECTOR	25P/1.0MM			D602	1N4001	SI DIODE		
	CN607	12S800421	FFC CONNECTOR	P=25MM			D603	1N4001	SI DIODE		
	CN608	12S1800061	CONNECTOR	18PINS/1.25MM			D604	1N4001	SI DIODE		
	C601	QCBB1HK-103	C CAPACITOR	0.01UF K 50V			D605	11ES2-T4	SI DIODE		
	C602	QETM1CM-476	E CAPACITOR	47UF M 16V			D607	11ES2-T4	SI DIODE		
	C603	QCBB1HK-103	C CAPACITOR	0.01UF K 50V			D609	1N4001	SI DIODE		
	C604	QCSB1HJ-560	C CAPACITOR	56PF J 50V			FB601	18A843556N0002	F-BEAD	843556	
	C605	QDCB1HM-1R0	C CAPACITOR	1PF M 50V			FB602	18A843556N0002	F-BEAD	843556	
	C606	QCBB1HK-104	C CAPACITOR	0.1UF K 50V			FB603	18A843556N0002	F-BEAD	843556	
	C607	QCBB1HK-104	C CAPACITOR	0.1UF K 50V			FB605	18A843556N0002	F-BEAD	843556	
	C608	QFVA1HJ-224	MF CAPACITOR	0.22UF J 50V			IC601	114181	IC	TA2153EN	
	C609	QFVA1HJ-224	MF CAPACITOR	0.22UF J 50V			IC602	TC9462F	IC		
	C610	QETM1CM-476	E CAPACITOR	47UF M 16V			IC603	TA2092N	IC		
	C611	QETM1CM-476	E CAPACITOR	47UF M 16V			IC604	TA7291S	IC		
	C612	QCBB1HK-103	C CAPACITOR	0.01UF K 50V			IC605	TA7291S	IC		
	C613	QETM1CM-476	E CAPACITOR	47UF M 16V			JR2	NRS181J-0R0X	MG RESISTOR	0 J 1/8W	
	C614	QETM1AM-107	E CAPACITOR	100UF M 10V			JR3	NRS181J-0R0X	MG RESISTOR	0 J 1/8W	
	C615	QCBB1HK-103	C CAPACITOR	0.01UF K 50V			JR4	NRS181J-0R0X	MG RESISTOR	0 J 1/8W	
	C616	QETM1CM-476	E CAPACITOR	47UF M 16V			L601	26100000KM0024	INDUCTOR	10UH/26MM	
	C617	QCBB1HK-471	C CAPACITOR	470PF K 50V			L602	26100000KN0084	FIXED INDUCTOR	10UH4+/-10	
	C618	QCBB1HK-471	C CAPACITOR	470PF K 50V			L603	26100000KM0024	INDUCTOR	10UH/26MM	
	C619	QCBB1HK-472	C CAPACITOR	4700PF K 50V			PWB	251175G01V	CD PWB	139X247MM	
	C620	QCFB1HZ-473	C CAPACITOR	0.047UF Z 50V			Q601	DTC114YSA-T	D.TRANSISTOR		
	C621	QCFB1HZ-473	C CAPACITOR	0.047UF Z 50V			Q602	2KTA1267GP0008	TRANSISTOR	KTA1267GR	
	C623	QCBB1HK-103	C CAPACITOR	0.01UF K 50V			Q603	DTC114YSA-T	D.TRANSISTOR		
	C624	QETM1CM-476	E CAPACITOR	47UF M 16V			Q604	DTC114YSA-T	D.TRANSISTOR		
	C625	QFLA1HJ-472	M CAPACITOR	0.0047UF J 50V			Q605	DTC114YSA-T	D.TRANSISTOR		
	C626	CH272500KM0190	C CAPACITOR	2700PF/50V			R601	QRE141J-333	C RESISTOR	33K J 1/4W	
	C627	QCBB1HK-103	C CAPACITOR	0.01UF K 50V			R602	QRE141J-473	C RESISTOR	47K J 1/4W	
	C628	QETM1CM-476	E CAPACITOR	47UF M 16V			R603	QRE141J-473	C RESISTOR	47K J 1/4W	
	C629	QFLA2AJ-153	M CAPACITOR	0.015UF J 100V			R604	QRE141J-473	C RESISTOR	47K J 1/4W	
	C630	QCBB1HK-101	C CAPACITOR	100PF K 50V			R605	QRE141J-473	C RESISTOR	47K J 1/4W	
	C631	QETM1CM-476	E CAPACITOR	47UF M 16V			R606	QRE141J-333	C RESISTOR	33K J 1/4W	
	C632	QCBB1HK-103	C CAPACITOR	0.01UF K 50V			R607	QRE141J-822	C RESISTOR	8.2K J 1/4W	
	C633	QETM1CM-476	E CAPACITOR	47UF M 16V			R608	QRE141J-822	C RESISTOR	8.2K J 1/4W	
	C634	QCBB1HK-103	C CAPACITOR	0.01UF K 50V			R609	QRE141J-822	C RESISTOR	8.2K J 1/4W	
	C636	QETM1CM-476	E CAPACITOR	47UF M 16V			R610	QRE141J-822	C RESISTOR	8.2K J 1/4W	
	C637	QCBB1HK-103	C CAPACITOR	0.01UF K 50V			R611	QRE141J-223	C RESISTOR	22K J 1/4W	
	C638	QETM1AM-107	E CAPACITOR	100UF M 10V			R612	QRE141J-102	C RESISTOR	1K J 1/4W	
	C639	QCBB1HK-103	C CAPACITOR	0.01UF K 50V			R613	NRSA63J-223X	MG RESISTOR	22K J 1/16W	
	C641	QCSB1HJ-240	C CAPACITOR	24PF J 50V			R614	NRSA63J-222X	MG RESISTOR	2.2K J 1/16W	
	C642	QCSB1HJ-240	C CAPACITOR	24PF J 50V			R615	NRSA63J-221X	MG RESISTOR	220 J 1/16W	
	C643	QCBB1HK-103	C CAPACITOR	0.01UF K 50V			R616	NRSA63J-473X	MG RESISTOR	47K J 1/16W	
	C644	QETM1CM-476	E CAPACITOR	47UF M 16V			R617	NRSA63J-823X	MG RESISTOR	82K J 1/16W	
	C645	QCBB1HK-103	C CAPACITOR	0.01UF K 50V			R618	QRE141J-820	C RESISTOR	82 J 1/4W	
	C646	QCFB1HZ-473	C CAPACITOR	0.047UF Z 50V			R619	NRSA63J-910X	MG RESISTOR	91 J 1/16W	
	C647	QCBB1HK-104	C CAPACITOR	0.1UF K 50V			R620	QRE141J-103	C RESISTOR	10K J 1/4W	
	C648	QCFB1HZ-473	C CAPACITOR	0.047UF Z 50V			R621	QRE141J-100	C RESISTOR	10 J 1/4W	
	C649	QCBB1HK-104	C CAPACITOR	0.1UF K 50V			R622	QRE141J-103	C RESISTOR	10K J 1/4W	
	C650	QCBB1HK-104	C CAPACITOR	0.1UF K 50V			R623	NRSA63J-332X	MG RESISTOR	3.3K J 1/16W	
	C651	QCBB1HK-104	C CAPACITOR	0.1UF K 50V			R624	NRSA63J-332X	MG RESISTOR	3.3K J 1/16W	
	C652	QCFB1HZ-473	C CAPACITOR	0.047UF Z 50V			R625	QRE141J-332	C RESISTOR	3.3K J 1/4W	
	C653	QCBB1HK-104	C CAPACITOR	0.1UF K 50V			R626	NRSA63J-332X	MG RESISTOR	3.3K J 1/16W	
	C654	QETM1AM-108	E CAPACITOR	1000UF M 10V			R627	QRE141J-103	C RESISTOR	10K J 1/4W	
	C655	QCBB1HK-104	C CAPACITOR	0.1UF K 50V			R628	QRE141J-332	C RESISTOR	3.3K J 1/4W	
	C657	QCBB1HK-104	C CAPACITOR	0.1UF K 50V			R631	QRE141J-153	C RESISTOR	15K J 1/4W	
	C658	QETM1CM-106	E CAPACITOR	10UF M 16V			R632	QRE141J-104	C RESISTOR	100K J 1/4W	
	C659	QETM1CM-106	E CAPACITOR	10UF M 16V			R633	QRE141J-683	C RESISTOR	68K J 1/4W	

## ■ Electrical parts list (CD selection)

Block No. 01

△	Item	Parts number	Parts name	Remarks	Area
	R634	QRE141J-103	C RESISTOR	10K J 1/4W	
	R635	QRE141J-473	C RESISTOR	47K J 1/4W	
	R637	QRE141J-332	C RESISTOR	3.3K J 1/4W	
	R638	QRE141J-222	C RESISTOR	2.2K J 1/4W	
	R639	QRE141J-104	C RESISTOR	100K J 1/4W	
	R640	QRE141J-102	C RESISTOR	1K J 1/4W	
	R641	QRE141J-103	C RESISTOR	10K J 1/4W	
	R642	QRE141J-102	C RESISTOR	1K J 1/4W	
	R643	QRE141J-104	C RESISTOR	100K J 1/4W	
	R644	QRE141J-153	C RESISTOR	15K J 1/4W	
	R645	QRE141J-101	C RESISTOR	100 J 1/4W	
	R646	QRE141J-332	C RESISTOR	3.3K J 1/4W	
	R647	QRE141J-104	C RESISTOR	100K J 1/4W	
	R648	QRE141J-102	C RESISTOR	1K J 1/4W	
	R649	QRE141J-473	C RESISTOR	47K J 1/4W	
	R650	QRE141J-152	C RESISTOR	1.5K J 1/4W	
	R651	QRE141J-104	C RESISTOR	100K J 1/4W	
	R652	QRE141J-103	C RESISTOR	10K J 1/4W	
	R653	QRE141J-103	C RESISTOR	10K J 1/4W	
	R654	QRE141J-103	C RESISTOR	10K J 1/4W	
	R655	QRE141J-103	C RESISTOR	10K J 1/4W	
	R656	QRE141J-103	C RESISTOR	10K J 1/4W	
	R657	QRE141J-103	C RESISTOR	10K J 1/4W	
	R658	NRSA63J-104X	MG RESISTOR	100K J 1/16W	
	R659	NRSA63J-101X	MG RESISTOR	100 J 1/16W	
	R660	QRE141J-472	C RESISTOR	4.7K J 1/4W	
	R661	QRE141J-472	C RESISTOR	4.7K J 1/4W	
	R662	QRE141J-472	C RESISTOR	4.7K J 1/4W	
	R663	QRE141J-472	C RESISTOR	4.7K J 1/4W	
	R664	NRSA63J-472X	MG RESISTOR	4.7K J 1/16W	
	R666	QRE141J-472	C RESISTOR	4.7K J 1/4W	
	R667	QRE141J-472	C RESISTOR	4.7K J 1/4W	
	R668	QRE141J-472	C RESISTOR	4.7K J 1/4W	
	R669	QRE141J-472	C RESISTOR	4.7K J 1/4W	
	R670	QRE141J-472	C RESISTOR	4.7K J 1/4W	
	R671	QRE141J-472	C RESISTOR	4.7K J 1/4W	
	R672	NRSA63J-0R0X	MG RESISTOR	0 J 1/16W	
	R673	NRSA63J-0R0X	MG RESISTOR	0 J 1/16W	
	R674	NRSA63J-0R0X	MG RESISTOR	0 J 1/16W	
	R679	QRE141J-272	C RESISTOR	2.7K J 1/4W	
	R680	QRE141J-473	C RESISTOR	47K J 1/4W	
	R681	QRE141J-471	C RESISTOR	471 J 1/4W	
	X601	2102361	CRYSTAL	16.9344MHZ	

■ Electrical parts list  
(Front display selection)

Block No. 02

△	Item	Parts number	Parts name	Remarks	Area	△	Item	Parts number	Parts name	Remarks	Area
	-----	251173G01V	FRONT B	350V			RA705	NRSA63J-473X	MG RESISTOR	47K J 1/16W	
	-----	202267010101	HOLDER VFD	CHANGE HUA			RA706	NRSA63J-473X	MG RESISTOR	47K J 1/16W	
	-----	202103010101	HLDR	SENSOR			RA707	NRSA63J-473X	MG RESISTOR	47K J 1/16W	
	-----	11AT270B0	BLACK WIRE	270MM			RA708	NRSA63J-473X	MG RESISTOR	47K J 1/16W	
	CN701	12S110021	CONNECTOR	11P			RA709	NRSA63J-473X	MG RESISTOR	47K J 1/16W	
	CN702	12S130030	CONNECTOR	13P			RA710	NRSA63J-473X	MG RESISTOR	47K J 1/16W	
	CN703	12S140018	CONNECTOR	14P			RA711	NRSA63J-473X	MG RESISTOR	47K J 1/16W	
	CN704	12S1800071	CONNECTOR	18PINS			RA712	NRSA63J-473X	MG RESISTOR	47K J 1/16W	
	C1001	QETM1AM-476	E CAPACITOR	47UF M 10V			RA713	NRSA63J-473X	MG RESISTOR	47K J 1/16W	
	C1002	NCB31HK-102X	C CAPACITOR	1000PF K 50V			RA714	NRSA63J-473X	MG RESISTOR	47K J 1/16W	
	C1003	NCB31CK-104X	C CAPACITOR	0.1UF K 16V			RA715	NRSA63J-473X	MG RESISTOR	47K J 1/16W	
	C1004	NCB31CK-104X	C CAPACITOR	0.1UF K 16V			RA716	NRSA63J-473X	MG RESISTOR	47K J 1/16W	
	C701	NCB31CK-104X	C CAPACITOR	0.1UF K 16V			RA717	NRSA63J-473X	MG RESISTOR	47K J 1/16W	
	C702	QETM1AM-227	E CAPACITOR	220UF M 10V			RA718	NRSA63J-473X	MG RESISTOR	47K J 1/16W	
	C703	CE479050MS	E CAPACITOR	5.5V			RA719	NRSA63J-473X	MG RESISTOR	47K J 1/16W	
	C704	NCB31EK-103X	C CAPACITOR	0.01UF K 25V			RA720	NRSA63J-473X	MG RESISTOR	47K J 1/16W	
	C705	NCB31EK-103X	C CAPACITOR	0.01UF K 25V			RA721	NRSA63J-473X	MG RESISTOR	47K J 1/16W	
	C707	NDC31HJ-220X	C CAPACITOR	22PF J 50V			RA722	NRSA63J-473X	MG RESISTOR	47K J 1/16W	
	C708	NDC31HJ-220X	C CAPACITOR	22PF J 50V			RA723	NRSA63J-473X	MG RESISTOR	47K J 1/16W	
	C709	NDC31HJ-330X	C CAPACITOR	33PF J 50V			RA724	NRSA63J-473X	MG RESISTOR	47K J 1/16W	
	C710	NDC31HJ-330X	C CAPACITOR	33PF J 50V			RA725	NRSA63J-473X	MG RESISTOR	47K J 1/16W	
	C711	NDC31HJ-330X	C CAPACITOR	33PF J 50V			RA726	NRSA63J-473X	MG RESISTOR	47K J 1/16W	
	C712	NDC31HJ-330X	C CAPACITOR	33PF J 50V			RA727	NRSA63J-473X	MG RESISTOR	47K J 1/16W	
	C713	NCB31HK-102X	C CAPACITOR	1000PF K 50V			RA728	NRSA63J-473X	MG RESISTOR	47K J 1/16W	
	C714	NCB31HK-102X	C CAPACITOR	1000PF K 50V			RA729	NRSA63J-473X	MG RESISTOR	47K J 1/16W	
	C715	NCB31EK-103X	C CAPACITOR	0.01UF K 25V			R1001	NRSA63J-681X	MG RESISTOR	680 J 1/16W	
	C716	QETM1HM-475	E CAPACITOR	4.7UF M 50V			R1002	NRSA63J-561X	MG RESISTOR	560 J 1/16W	
	C718	QETM1HM-226	E CAPACITOR	22UF M 50V			R1003	NRSA63J-681X	MG RESISTOR	680 J 1/16W	
	C719	QETM1HM-226	E CAPACITOR	22UF M 50V			R1004	NRSA63J-821X	MG RESISTOR	820 J 1/16W	
	C720	NCB31CK-104X	C CAPACITOR	0.1UF K 16V			R1005	NRSA63J-122X	MG RESISTOR	1.2K J 1/16W	
	C721	NCB31EK-103X	C CAPACITOR	0.01UF K 25V			R1006	NRSA63J-122X	MG RESISTOR	1.2K J 1/16W	
	C722	NCB31EK-103X	C CAPACITOR	0.01UF K 25V			R1007	NRSA63J-182X	MG RESISTOR	1.8K J 1/16W	
	D701	11ES2-T4	SI DIODE				R1008	NRSA63J-272X	MG RESISTOR	2.7K J 1/16W	
	D702	11ES2-T	SI DIODE				R1009	NRSA63J-392X	MG RESISTOR	3.9K J 1/16W	
	D703	11ES2-T	SI DIODE				R1010	NRSA63J-681X	MG RESISTOR	680 J 1/16W	
	D704	11ES2-T4	SI DIODE				R1011	NRSA63J-561X	MG RESISTOR	560 J 1/16W	
	D705	11ES2-T4	SI DIODE				R1012	NRSA63J-681X	MG RESISTOR	680 J 1/16W	
	FL701	2701601	FL DISPLAY	BJ828GNK			R1013	NRSA63J-821X	MG RESISTOR	820 J 1/16W	
	FW701	1204781	FLAT CABLE	9PINS			R1014	NRSA63J-122X	MG RESISTOR	1.2K J 1/16W	
	FW702	1203941	FLAT CABLE	3PINS			R1015	NRSA63J-122X	MG RESISTOR	1.2K J 1/16W	
	FW703	1203931	FLAT CABLE	3PIN			R1016	NRSA63J-182X	MG RESISTOR	1.8K J 1/16W	
	IC701	114261	IC	TMP87CM78			R1017	NRSA63J-272X	MG RESISTOR	2.7K J 1/16W	
	IC702	105231	IC	RPM6938-V4			R1018	NRSA63J-392X	MG RESISTOR	3.9K J 1/16W	
	IC703	114351	IC	S-80819			R1019	NRSA63J-682X	MG RESISTOR	6.8K J 1/16W	
	J850	23B0112	MINIATURE	MSJ-2000			R1020	NRSA63J-681X	MG RESISTOR	680 J 1/16W	
	LED1	28B4531EP0110	RED LED	B4531E			R1021	NRSA63J-561X	MG RESISTOR	560 J 1/16W	
	L701	26100000KM0024	INDUCTOR	10UH/26MM			R1022	NRSA63J-681X	MG RESISTOR	680 J 1/16W	
	L702	26100000KM0024	INDUCTOR	10UH/26MM			R1023	NRSA63J-821X	MG RESISTOR	820 J 1/16W	
	L703	18A843556N0002	F-BEAD	843556			R1024	NRSA63J-122X	MG RESISTOR	1.2K J 1/16W	
	L801	26033000KM0024	FIXED INDUCTOR	3.3UH/26MM			R1025	NRSA63J-122X	MG RESISTOR	1.2K J 1/16W	
	MIC	12P40238	CONNECTOR	4PINS			R1026	NRSA63J-182X	MG RESISTOR	1.8K J 1/16W	
	Q701	DTC114YSA-T	D.TRANSISTOR				R1027	NRSA63J-272X	MG RESISTOR	2.7K J 1/16W	
	Q702	2KRA107MP0008	D.TRANSISTOR	KRA107M			R1028	NRSA63J-392X	MG RESISTOR	3.9K J 1/16W	
	Q703	2KRA107MP0008	D.TRANSISTOR	KRA107M			R1029	NRSA63J-682X	MG RESISTOR	6.8K J 1/16W	
	Q704	2KTC3195YP0008	TRANSISTOR	KTC3195 Y			R1030	NRSA63J-103X	MG RESISTOR	10K J 1/16W	
	Q705	2KTC3195YP0008	TRANSISTOR	KTC3195 Y			R1031	NRSA63J-391X	MG RESISTOR	390 J 1/16W	
	Q706	DTC114YSA-T	D.TRANSISTOR				R702	NRSA63J-473X	MG RESISTOR	47K J 1/16W	
	Q707	DTC114YSA-T	D.TRANSISTOR				R704	NRSA63J-473X	MG RESISTOR	47K J 1/16W	
	Q708	DTA114TS	D.TRANSISTOR				R705	NRSA63J-102X	MG RESISTOR	1K J 1/16W	
	RA701	NRSA63J-473X	MG RESISTOR	47K J 1/16W			R706	NRSA63J-473X	MG RESISTOR	47K J 1/16W	
	RA702	NRSA63J-473X	MG RESISTOR	47K J 1/16W			R707	NRSA63J-102X	MG RESISTOR	1K J 1/16W	
	RA703	NRSA63J-473X	MG RESISTOR	47K J 1/16W			R708	NRSA63J-473X	MG RESISTOR	47K J 1/16W	
	RA704	NRSA63J-473X	MG RESISTOR	47K J 1/16W			R709	NRSA63J-102X	MG RESISTOR	1K J 1/16W	

**■ Electrical parts list**  
 (Front display uicom selection)

Block No. 02

△	Item	Parts number	Parts name	Remarks	Area
	R710	NRSA63J-473X	MG RESISTOR	47K J 1/16W	
	R711	NRSA63J-102X	MG RESISTOR	1K J 1/16W	
	R712	NRSA63J-473X	MG RESISTOR	47K J 1/16W	
	R713	NRSA63J-102X	MG RESISTOR	1K J 1/16W	
	R714	NRSA63J-473X	MG RESISTOR	47K J 1/16W	
	R715	NRSA63J-222X	MG RESISTOR	2.2K J 1/16W	
	R716	NRSA63J-222X	MG RESISTOR	2.2K J 1/16W	
	R717	NRSA63J-222X	MG RESISTOR	2.2K J 1/16W	
	R718	NRSA63J-222X	MG RESISTOR	2.2K J 1/16W	
	R719	NRSA63J-222X	MG RESISTOR	2.2K J 1/16W	
	R720	NRSA63J-222X	MG RESISTOR	2.2K J 1/16W	
	R721	NRSA63J-222X	MG RESISTOR	2.2K J 1/16W	
	R722	NRSA63J-222X	MG RESISTOR	2.2K J 1/16W	
	R723	NRSA63J-102X	MG RESISTOR	1K J 1/16W	
	R724	NRSA63J-473X	MG RESISTOR	47K J 1/16W	
	R725	NRSA63J-102X	MG RESISTOR	1K J 1/16W	
	R726	NRSA63J-473X	MG RESISTOR	47K J 1/16W	
	R727	NRSA63J-102X	MG RESISTOR	1K J 1/16W	
	R728	NRSA63J-473X	MG RESISTOR	47K J 1/16W	
	R729	NRSA63J-102X	MG RESISTOR	1K J 1/16W	
	R730	NRSA63J-473X	MG RESISTOR	47K J 1/16W	
	R731	NRSA63J-472X	MG RESISTOR	4.7K J 1/16W	
	R732	NRSA63J-103X	MG RESISTOR	10K J 1/16W	
	R733	NRSA63J-331X	MG RESISTOR	330 J 1/16W	
	R734	NRSA63J-102X	MG RESISTOR	1K J 1/16W	
	R735	NRSA63J-102X	MG RESISTOR	1K J 1/16W	
	R736	NRSA63J-102X	MG RESISTOR	1K J 1/16W	
	R737	NRSA63J-102X	MG RESISTOR	1K J 1/16W	
	R738	NRSA63J-221X	MG RESISTOR	220 J 1/16W	
	R739	NRSA63J-221X	MG RESISTOR	220 J 1/16W	
	R740	NRSA63J-221X	MG RESISTOR	220 J 1/16W	
	R741	NRSA63J-222X	MG RESISTOR	2.2K J 1/16W	
	R742	NRSA63J-221X	MG RESISTOR	220 J 1/16W	
	R743	NRSA63J-221X	MG RESISTOR	220 J 1/16W	
	R745	NRSA63J-221X	MG RESISTOR	220 J 1/16W	
	R746	NRSA63J-102X	MG RESISTOR	1K J 1/16W	
	R747	NRSA63J-222X	MG RESISTOR	2.2K J 1/16W	
	R748	NRSA63J-222X	MG RESISTOR	2.2K J 1/16W	
	R749	NRSA63J-222X	MG RESISTOR	2.2K J 1/16W	
	R750	NRSA63J-562X	MG RESISTOR	5.6K J 1/16W	
	R751	NRSA63J-562X	MG RESISTOR	5.6K J 1/16W	
	R752	NRSA63J-562X	MG RESISTOR	5.6K J 1/16W	
	R753	NRSA63J-222X	MG RESISTOR	2.2K J 1/16W	
	R754	NRSA63J-222X	MG RESISTOR	2.2K J 1/16W	
	R755	NRSA63J-222X	MG RESISTOR	2.2K J 1/16W	
	R756	NRSA63J-221X	MG RESISTOR	220 J 1/16W	
	R757	NRSA63J-563X	MG RESISTOR	56K J 1/16W	
	R758	NRSA63J-473X	MG RESISTOR	47K J 1/16W	
	R759	NRSA63J-123X	MG RESISTOR	12K J 1/16W	
	R760	NRSA63J-563X	MG RESISTOR	56K J 1/16W	
	R761	NRSA63J-222X	MG RESISTOR	2.2K J 1/16W	
	R762	NRSA63J-221X	MG RESISTOR	220 J 1/16W	
	R763	NRSA63J-222X	MG RESISTOR	2.2K J 1/16W	
	R764	NRSA63J-222X	MG RESISTOR	2.2K J 1/16W	
	R765	NRSA63J-222X	MG RESISTOR	2.2K J 1/16W	
	R766	NRSA63J-221X	MG RESISTOR	220 J 1/16W	
	R767	NRSA63J-222X	MG RESISTOR	2.2K J 1/16W	
	R768	NRSA63J-104X	MG RESISTOR	100K J 1/16W	
	R769	NRSA63J-102X	MG RESISTOR	1K J 1/16W	
	R770	NRSA63J-102X	MG RESISTOR	1K J 1/16W	
	R771	NRSA63J-102X	MG RESISTOR	1K J 1/16W	
	R772	NRSA63J-102X	MG RESISTOR	1K J 1/16W	
	R773	NRSA63J-221X	MG RESISTOR	220 J 1/16W	

△	Item	Parts number	Parts name	Remarks	Area
	R774	NRSA63J-102X	MG RESISTOR	1K J 1/16W	
	R775	NRSA63J-221X	MG RESISTOR	220 J 1/16W	
	R776	NRSA63J-221X	MG RESISTOR	220 J 1/16W	
	R777	NRSA63J-102X	MG RESISTOR	1K J 1/16W	
	R778	NRSA63J-102X	MG RESISTOR	1K J 1/16W	
	R779	NRSA63J-102X	MG RESISTOR	1K J 1/16W	
	R780	NRSA63J-222X	MG RESISTOR	2.2K J 1/16W	
	R781	NRSA63J-222X	MG RESISTOR	2.2K J 1/16W	
	R782	NRSA63J-154X	MG RESISTOR	150K J 1/16W	
	R783	NRSA63J-472X	MG RESISTOR	4.7K J 1/16W	
	R784	NRSA63J-124X	MG RESISTOR	120K J 1/16W	
	R785	NRSA63J-223X	MG RESISTOR	22K J 1/16W	
	R786	NRSA63J-124X	MG RESISTOR	120K J 1/16W	
	R787	NRSA63J-223X	MG RESISTOR	22K J 1/16W	
	R789	NRSA63J-331X	MG RESISTOR	330 J 1/16W	
	R792	NRSA63J-103X	MG RESISTOR	10K J 1/16W	
	R793	NRSA63J-103X	MG RESISTOR	10K J 1/16W	
	R794	NRSA63J-102X	MG RESISTOR	1K J 1/16W	
	R795	NRSA63J-472X	MG RESISTOR	4.7K J 1/16W	
	S1001	8EVQ21405P0154	TOUCH SWITCH	EVQ 214 05R	
	S1002	8EVQ21405P0154	TOUCH SWITCH	EVQ 214 05R	
	S1003	8EVQ21405P0154	TOUCH SWITCH	EVQ 214 05R	
	S1004	8EVQ21405P0154	TOUCH SWITCH	EVQ 214 05R	
	S1005	8EVQ21405P0154	TOUCH SWITCH	EVQ 214 05R	
	S1006	8EVQ21405P0154	TOUCH SWITCH	EVQ 214 05R	
	S1007	8EVQ21405P0154	TOUCH SWITCH	EVQ 214 05R	
	S1008	8EVQ21405P0154	TOUCH SWITCH	EVQ 214 05R	
	S1009	8EVQ21405P0154	TOUCH SWITCH	EVQ 214 05R	
	S1010	8EVQ21405P0154	TOUCH SWITCH	EVQ 214 05R	
	S1011	8EVQ21405P0154	TOUCH SWITCH	EVQ 214 05R	
	S1012	8EVQ21405P0154	TOUCH SWITCH	EVQ 214 05R	
	S1013	8EVQ21405P0154	TOUCH SWITCH	EVQ 214 05R	
	S1014	8EVQ21405P0154	TOUCH SWITCH	EVQ 214 05R	
	S1015	8EVQ21405P0154	TOUCH SWITCH	EVQ 214 05R	
	S1016	8EVQ21405P0154	TOUCH SWITCH	EVQ 214 05R	
	S1017	8EVQ21405P0154	TOUCH SWITCH	EVQ 214 05R	
	S1018	8EVQ21405P0154	TOUCH SWITCH	EVQ 214 05R	
	S1019	8EVQ21405P0154	TOUCH SWITCH	EVQ 214 05R	
	S1020	8EVQ21405P0154	TOUCH SWITCH	EVQ 214 05R	
	S1021	8EVQ21405P0154	TOUCH SWITCH	EVQ 214 05R	
	S1022	8EVQ21405P0154	TOUCH SWITCH	EVQ 214 05R	
	S1023	8EVQ21405P0154	TOUCH SWITCH	EVQ 214 05R	
	S1024	8EVQ21405P0154	TOUCH SWITCH	EVQ 214 05R	
	S1025	8EVQ21405P0154	TOUCH SWITCH	EVQ 214 05R	
	S1026	8EVQ21405P0154	TOUCH SWITCH	EVQ 214 05R	
	S1027	8EVQ21405P0154	TOUCH SWITCH	EVQ 214 05R	
	S1028	8EVQ21405P0154	TOUCH SWITCH	EVQ 214 05R	
	S1029	8EVQ21405P0154	TOUCH SWITCH	EVQ 214 05R	
	S1030	8EVQ21405P0154	TOUCH SWITCH	EVQ 214 05R	
	S1031	8EVQ21405P0154	TOUCH SWITCH	EVQ 214 05R	
	S1032	8EVQ21405P0154	TOUCH SWITCH	EVQ 214 05R	
	S1033	8EVQ21405P0154	TOUCH SWITCH	EVQ 214 05R	
	VR840	1502031	VR RTRY	10K	
	W1001	804221	SWITCH RTRY	REB161	
	X701	29ZTA8.0MP0151	CERAMIC	ZTA8.0 MT-TF21	
	X702	2101012	CRYSTAL	32.768KHZ	

## ■ Electrical parts list (Tuner selection)

Block No. 03

△	Item	Parts number	Parts name	Remarks	Area	△	Item	Parts number	Parts name	Remarks	Area
	-----	QCFB1HZ-473	C CAPACITOR	0.047UF Z 50V			D1	11ES2-T4	SI DIODE		
	-----	202304010101	HOLDER	0.5MM			D10	11ES2-T4	SI DIODE		
	CC3	QDGB1HK-102	C CAPACITOR	1000PF K 50V			D2	11ES2-T4	SI DIODE		
	CF1	29LT10.7MP0151	CERAMIC	10.7MHZ			D3	11ES2-T4	SI DIODE		
	CF2	29LT10.7MP0151	CERAMIC	10.7MHZ			D4	11ES2-T4	SI DIODE		
	CF3	2901221	CERAMIC	10.7MHZ			D5	11ES2-T4	SI DIODE		
	C1	QDVB1EZ-223	C CAPACITOR	0.022UF Z 25V			D6	11ES2-T4	SI DIODE		
	C10	QCBB1HK-103	C CAPACITOR	0.01UF K 50V			D7	3SVC203SPP0002	FM VARACTOR	12.7MM	
	C104	QETM1HM-105	E CAPACITOR	1UF M 50V			D8	3SVC203SPP0002	FM VARACTOR	12.7MM	
	C12	QCBB1HK-103	C CAPACITOR	0.01UF K 50V			IC1	TA2104BN	IC		
	C13	QETM1AM-107	E CAPACITOR	100UF M 10V			IC2	114251	IC	TC9257P	
	C14	QDVB1EZ-223	C CAPACITOR	0.022UF Z 25V			JA302	23F0101	TERMINAL ANT	4P	
	C15	QDVB1EZ-223	C CAPACITOR	0.022UF Z 25V			LC1	29GFMB3TP0151	BAND PASS	108MHZ	
	C16	QETM1EM-106	E CAPACITOR	10UF M 25V			L1	26022000KM0024	FIXED INDUCTOR	2.2UH/26MM	
	C17	QCBB1HK-103	C CAPACITOR	0.01UF K 50V			L2	605081	AM PACK	0469-001	
	C18	QCBB1HK-103	C CAPACITOR	0.01UF K 50V			L3	7A0170	FM COIL	0.6MM	
	C19	QCBB1HK-103	C CAPACITOR	0.01UF K 50V			L4	7A0171	FM COIL	0.4MM	
	C2	QDCB1HK-6R8	C CAPACITOR	6.8PF K 50V			L5	26101000KM0024	FIXED INDUCTOR	100UH/26MM	
	C20	QCBB1HK-103	C CAPACITOR	0.01UF K 50V			L50	26221000KM0024	FIXED INDUCTOR	220UH/26MM	
	C204	QETM1HM-105	E CAPACITOR	1UF M 50V			L6	26101000KM0024	FIXED INDUCTOR	100UH/26MM	
	C21	QDCB1HJ-200	C CAPACITOR	20PF J 50V			N202A	12S100034	CONNECTOR	10P/P=1.25MM	
	C22	QDGB1HK-102	C CAPACITOR	1000PF K 50V			PWB	251174G01V	PWB TUNER	2B K350V	
	C23	QCBB1HK-103	C CAPACITOR	0.01UF K 50V			Q1	2KTC3194P0008	TRANSISTOR	KTC3194	
	C24	QDCB1HJ-331	C CAPACITOR	330PF J 50V			Q10	2KTA1267GP0008	TRANSISTOR	KTA1267GR	
	C25	QETM1HM-475	E CAPACITOR	4.7UF M 50V			Q11	DTC114YSA-T	D.TRANSISTOR		
	C26	QETM1AM-476	E CAPACITOR	47UF M 10V			Q2	2KTC3195YP0008	TRANSISTOR	KTC3195	
	C27	QCBB1HK-104	C CAPACITOR	0.1UF K 50V			Q3	DTA114YSTP	D.TRANSISTOR		
	C28	QCBB1HK-103	C CAPACITOR	0.01UF K 50V			Q4	DTC114YSA-T	D.TRANSISTOR		
	C29	QETM1HM-105	E CAPACITOR	1UF M 50V			Q5	DTC114YSA-T	D.TRANSISTOR		
	C33	QETM1HM-105	E CAPACITOR	1UF M 50V			Q6	DTC114YSA-T	D.TRANSISTOR		
	C34	QDCB1HJ-152	C CAPACITOR	1500PF J 50V			Q7	2KTC3199GP0008	TRANSISTOR	KTC3199GR	
	C36	QFLA2AJ-183	M CAPACITOR	0.018UF J 100V			Q8	2KTC3199GP0008	TRANSISTOR	KTC3199GR	
	C37	QFLA2AJ-183	M CAPACITOR	0.018UF J 100V			Q9	2KTC3199GP0008	TRANSISTOR	KTC3199GR	
	C4	QDVB1EZ-223	C CAPACITOR	0.022UF Z 25V			R1	QRE141J-152	C RESISTOR	1.5K J 1/4W	
	C40	QDGB1HK-102	C CAPACITOR	1000PF K 50V			R10	QRE141J-331	C RESISTOR	330 J 1/4W	
	C42	QDGB1HK-102	C CAPACITOR	1000PF K 50V			R11	QRE141J-331	C RESISTOR	330 J 1/4W	
	C43	QDGB1HK-102	C CAPACITOR	1000PF K 50V			R12	QRE141J-474	C RESISTOR	470K J 1/4W	
	C45	QDVB1EZ-223	C CAPACITOR	0.022UF Z 25V			R13	QRE141J-330	C RESISTOR	33 J 1/4W	
	C5	QCBB1HK-104	C CAPACITOR	0.1UF K 50V			R14	QRE141J-331	C RESISTOR	330 J 1/4W	
	C50	QETM1CM-476	E CAPACITOR	47UF M 16V			R15	QRE141J-473	C RESISTOR	47K J 1/4W	
	C51	QDCB1HJ-150	C CAPACITOR	15PF J 50V			R16	QRE141J-332	C RESISTOR	3.3K J 1/4W	
	C52	QDCB1HJ-150	C CAPACITOR	15PF J 50V			R17	QRE141J-470	C RESISTOR	47 J 1/4W	
	C53	QFVA1HJ-105	MF CAPACITOR	1MF J 50V			R18	QRE141J-154	C RESISTOR	150K J 1/4W	
	C54	QFLA2AJ-103	M CAPACITOR	0.01UF J 100V			R2	QRE141J-104	C RESISTOR	100K J 1/4W	
	C55	QCBB1HK-471	C CAPACITOR	470PF K 50V			R20	QRE141J-101	C RESISTOR	100 J 1/4W	
	C56	QCBB1HK-103	C CAPACITOR	0.01UF K 50V			R21	QRE141J-122	C RESISTOR	1.2K J 1/4W	
	C57	QCBB1HK-103	C CAPACITOR	0.01UF K 50V			R22	QRE141J-101	C RESISTOR	100 J 1/4W	
	C58	QDGB1HK-102	C CAPACITOR	1000PF K 50V			R23	QRE141J-562	C RESISTOR	5.6K J 1/4W	
	C59	QETM1AM-107	E CAPACITOR	100UF M 10V			R24	QRE141J-562	C RESISTOR	5.6K J 1/4W	
	C6	QCBB1HK-103	C CAPACITOR	0.01UF K 50V			R25	QRE141J-222	C RESISTOR	2.2K J 1/4W	
	C60	QCBB1HK-103	C CAPACITOR	0.01UF K 50V			R26	QRE141J-222	C RESISTOR	2.2K J 1/4W	
	C61	QCBB1HK-101	C CAPACITOR	100PF K 50V			R27	QRE141J-102	C RESISTOR	1K J 1/4W	
	C62	QCBB1HK-101	C CAPACITOR	100PF K 50V			R28	QRE141J-220	C RESISTOR	22 J 1/4W	
	C63	QCBB1HK-101	C CAPACITOR	100PF K 50V			R3	QRE141J-102	C RESISTOR	1K J 1/4W	
	C66	QETM1CM-476	E CAPACITOR	47UF M 16V			R30	QRE141J-101	C RESISTOR	100 J 1/4W	
	C67	QCBB1HK-103	C CAPACITOR	0.01UF K 50V			R4	QRE141J-104	C RESISTOR	100K J 1/4W	
	C7	QDCB1HJ-120	C CAPACITOR	12PF J 50V			R5	QRE141J-104	C RESISTOR	100K J 1/4W	
	C70	QDGB1HK-102	C CAPACITOR	1000PF K 50V			R52	QRE141J-472	C RESISTOR	4.7K J 1/4W	
	C71	QDGB1HK-102	C CAPACITOR	1000PF K 50V			R53	QRE141J-332	C RESISTOR	3.3K J 1/4W	
	C72	QDGB1HK-102	C CAPACITOR	1000PF K 50V			R54	QRE141J-102	C RESISTOR	1K J 1/4W	
	C73	QCBB1HK-103	C CAPACITOR	0.01UF K 50V			R55	QRE141J-472	C RESISTOR	4.7K J 1/4W	
	C8	QDCB1HK-5R6	C CAPACITOR	5.6PF K 50V			R56	QRE141J-222	C RESISTOR	2.2K J 1/4W	
	C99	QDGB1HK-102	C CAPACITOR	1000PF K 50V			R59	QRE141J-103	C RESISTOR	10K J 1/4W	

## ■ Electrical parts list (Tuner selection)

Block No. 03

△	Item	Parts number	Parts name	Remarks	Area
	R6	QRE141J-473	C RESISTOR	47K J 1/4W	
	R60	QRE141J-102	C RESISTOR	1K J 1/4W	
	R61	QRE141J-102	C RESISTOR	1K J 1/4W	
	R62	QRE141J-102	C RESISTOR	1K J 1/4W	
	R63	QRE141J-102	C RESISTOR	1K J 1/4W	
	R64	QRE141J-102	C RESISTOR	1K J 1/4W	
	R65	QRE141J-102	C RESISTOR	1K J 1/4W	
	R67	QRE141J-473	C RESISTOR	47K J 1/4W	
	R68	QRE141J-473	C RESISTOR	47K J 1/4W	
	R69	QRE141J-473	C RESISTOR	47K J 1/4W	
	R7	QRE141J-473	C RESISTOR	47K J 1/4W	
	R71	QRE141J-332	C RESISTOR	3.3K J 1/4W	
	R72	QRE141J-104	C RESISTOR	100K J 1/4W	
	R73	QRE141J-102	C RESISTOR	1K J 1/4W	
△	R74	RF3300045M0000	FUSI RESISTOR	33OHM J 1/4W	
	R75	QRE141J-121	C RESISTOR	120 J 1/4W	
	R76	QRE141J-473	C RESISTOR	47K J 1/4W	
	R77	QRE141J-473	C RESISTOR	47K J 1/4W	
	R78	QRE141J-473	C RESISTOR	47K J 1/4W	
	R8	QRE141J-100	C RESISTOR	10 J 1/4W	
	R81	QRE141J-330	C RESISTOR	33 J 1/4W	
	R9	QRE141J-103	C RESISTOR	10K J 1/4W	
	T1	2901541	CF&COIL	450KHZ	
	X1	2102341	CRYSTAL	7.2MHZ	

## ■ Electrical parts list (VCD changer)

Block No. 04

▲	Item	Parts number	Parts name	Remarks	Area	▲	Item	Parts number	Parts name	Remarks	Area
	-----	202454010101	GRD VIDEO	SPTE T=0.5MM		L1108	26033000KM0024	FIXED INDUCTOR	3.3UH		
	-----	11AT370B9	BLACK WIRE	WITH 1.3MM		L1109	26100000KM0024	FIXED INDUCTOR	10UH/26MM		
C1101		NCF31EZ-104X	C CAPACITOR	0.1UF Z 25V		L1110	26100000KM0024	FIXED INDUCTOR	10UH/26MM		
C1102		NCF31EZ-104X	C CAPACITOR	0.1UF Z 25V		L1111	26018000KM0024	FIXED INDUCTOR	1.8UH/26MM		
C1103		CE106500MP4150	E CAPACITOR	10UF/50V		L1113	26010000KM0024	FIXED INDUCTOR	1UH/26MM		
C1104		NCF31EZ-104X	C CAPACITOR	0.1UF Z 25V		L1114	26100000KN0084	FIXED INDUCTOR	10UH		
C1105		NCF31EZ-104X	C CAPACITOR	0.1UF Z 25V		L1115	26100000KM0024	FIXED INDUCTOR	10UH/26MM		
C1106		QETM1CM-107	E CAPACITOR	100UF M 16V		L1115	26100000KM0024	FIXED INDUCTOR	10UH/26MM		
C1106		111791	IC	AS1117M3-3.3		N1101	12S250002	CONNECTOR	25P/1.0MM		
C1107		NCF31EZ-104X	C CAPACITOR	0.1UF Z 25V		PWB	251176G01V	VCD PWB	4 IN ONE		
C1108		CE106500MP4150	E CAPACITOR	10UF/50V		Q1101	2KTA1504YA0008	TRANSISTOR	KTA1504Y		
C1109		CE106500MP4150	E CAPACITOR	10UF/50V		R1101	NRSA63J-472X	MG RESISTOR	4.7K J 1/16W		
C1110		NCF31EZ-104X	C CAPACITOR	0.1UF Z 25V		R1103	NRSA63J-122X	MG RESISTOR	1.2K J 1/16W		
C1111		NCF31EZ-104X	C CAPACITOR	0.1UF Z 25V		R1104	NRSA63J-122X	MG RESISTOR	1.2K J 1/16W		
C1112		NCF31EZ-104X	C CAPACITOR	0.1UF Z 25V		R1105	NRSA63J-100X	MG RESISTOR	10 J 1/16W		
C1113		NCF31EZ-104X	C CAPACITOR	0.1UF Z 25V		R1106	NRSA63J-100X	MG RESISTOR	10 J 1/16W		
C1114		NCF31EZ-104X	C CAPACITOR	0.1UF Z 25V		R1107	NRSA63J-472X	MG RESISTOR	4.7K J 1/16W		
C1115		NCF31EZ-104X	C CAPACITOR	0.1UF Z 25V		R1108	NRSA63J-102X	MG RESISTOR	1K J 1/16W		
C1116		NCF31EZ-104X	C CAPACITOR	0.1UF Z 25V		R1109	NRSA63J-102X	MG RESISTOR	1K J 1/16W		
C1117		QETM1CM-476	E CAPACITOR	47UF M 16V		R1110	NRSA63J-472X	MG RESISTOR	4.7K J 1/16W		
C1118		NCF31EZ-104X	C CAPACITOR	0.1UF Z 25V		R1111	NRSA63J-472X	MG RESISTOR	4.7K J 1/16W		
C1119		NCF31EZ-104X	C CAPACITOR	0.1UF Z 25V		R1112	NRSA63J-472X	MG RESISTOR	4.7K J 1/16W		
C1120		NCF31EZ-104X	C CAPACITOR	0.1UF Z 25V		R1113	NRSA63J-472X	MG RESISTOR	4.7K J 1/16W		
C1121		QETM1CM-107	E CAPACITOR	100UF M 16V		R1114	NRSA63J-472X	MG RESISTOR	4.7K J 1/16W		
C1126		QETM1CM-476	E CAPACITOR	47UF M 16V		R1115	NRSA63J-472X	MG RESISTOR	4.7K J 1/16W		
C1127		NCF31EZ-104X	C CAPACITOR	0.1UF Z 25V		R1120	NRSA63J-821X	MG RESISTOR	820 J 1/16W		
C1128		NCF31EZ-104X	C CAPACITOR	0.1UF Z 25V		R1121	NRSA63J-750X	MG RESISTOR	75 J 1/16W		
C1129		NCF31EZ-104X	C CAPACITOR	0.1UF Z 25V		R1123	NRSA63J-472X	MG RESISTOR	4.7K J 1/16W		
C1130		QETM1CM-107	E CAPACITOR	100UF M 16V		R1124	NRSA63J-104X	MG RESISTOR	100K J 1/16W		
C1132		NDC31HJ-271X	C CAPACITOR	270PF J 50V		R1125	NRSA63J-102X	MG RESISTOR	1K J 1/16W		
C1134		NDC31HJ-331X	C CAPACITOR	330PF J 50V		R1126	NRSA63J-750X	MG RESISTOR	75 J 1/16W		
C1135		NCB31HK-103X	C CAPACITOR	0.01UF K 50V		R1127	NRSA63J-750X	MG RESISTOR	75 J 1/16W		
C1137		QETM0JM-477	E CAPACITOR	470UF M 6.3V		R1128	NRSA63J-221X	MG RESISTOR	220 J 1/16W		
C1139		NDC31HJ-150X	C CAPACITOR	15PF J 50V		R1129	NRSA63J-221X	MG RESISTOR	220 J 1/16W		
C1140		NDC31HJ-150X	C CAPACITOR	15PF J 50V		R1130	NRSA63J-221X	MG RESISTOR	220 J 1/16W		
C1141		NCB31HK-102X	C CAPACITOR	1000PF K 50V		R1132	NRSA63J-222X	MG RESISTOR	2.2K J 1/16W		
C1142		NCF31EZ-104X	C CAPACITOR	0.1UF Z 25V		R1133	NRSA63J-222X	MG RESISTOR	2.2K J 1/16W		
C1143		QETM1CM-107	E CAPACITOR	100UF M 16V		R1134	NRSA63J-0R0X	MG RESISTOR	0 J 1/16W		
C1146		NCF31EZ-104X	C CAPACITOR	0.1UF Z 25V		R1135	NRSA63J-0R0X	MG RESISTOR	0 J 1/16W		
C1148		NCB31HK-222X	C CAPACITOR	2200PF K 50V		R1136	NRSA63J-750X	MG RESISTOR	75 J 1/16W		
C1149		NCB31HK-222X	C CAPACITOR	2200PF K 50V		R1137	NRSA63J-103X	MG RESISTOR	10K J 1/16W		
C1152		CE106500MP4150	E CAPACITOR	10UF/50V		R1138	NRSA63J-472X	MG RESISTOR	4.7K J 1/16W		
C1153		NDC31HJ-150X	C CAPACITOR	15PF J 50V		R1139	NRSA63J-221X	MG RESISTOR	220 J 1/16W		
C1154		NCF31EZ-104X	C CAPACITOR	0.1UF Z 25V		R1140	NRSA63J-221X	MG RESISTOR	220 J 1/16W		
C1155		NCF31EZ-104X	C CAPACITOR	0.1UF Z 25V		R1141	NRSA63J-221X	MG RESISTOR	220 J 1/16W		
C1156		NDC31HJ-470X	C CAPACITOR	47PF J 50V		R1142	NRSA63J-221X	MG RESISTOR	220 J 1/16W		
C1158		NCF21EZ-224X	E CAPACITOR	0.22UF Z 25V		R1143	NRSA63J-221X	MG RESISTOR	220 J 1/16W		
C1160		NCB31HK-222X	C CAPACITOR	2200PF K 50V		R1144	NRSA63J-221X	MG RESISTOR	220 J 1/16W		
D1101		1N4001	SI DIODE	1N-4001		R1145	NRSA63J-221X	MG RESISTOR	220 J 1/16W		
D1103		11ES2-T4	SI DIODE			R1146	NRSA63J-221X	MG RESISTOR	220 J 1/16W		
D1104		11ES2-T4	SI DIODE			R1147	NRSA63J-221X	MG RESISTOR	220 J 1/16W		
D1107		11ES2-T4	SI DIODE			R1148	NRSA63J-221X	MG RESISTOR	220 J 1/16W		
I1101		114011	IC	ES3880		R1149	NRSA63J-221X	MG RESISTOR	220 J 1/16W		
I1102		114231	IC	ES3883		R1150	NRSA63J-101X	MG RESISTOR	100 J 1/16W		
I1103		114241	IC	M11B416256A-35J		R1152	QRE141J-4R7	C RESISTOR	4.7 J 1/4W		
I1104		114201	IC	MX27C2000APC-90		R1154	NRSA63J-472X	MG RESISTOR	4.7K J 1/16W		
J1101		23B1001	KACL RCA	1PIN		R1155	NRSA63J-102X	MG RESISTOR	1K J 1/16W		
K1112		18A843556N0002	F-BEAD	843556		R1156	NRSA63J-102X	MG RESISTOR	1K J 1/16W		
K1116		18A843556N0002	F-BEAD	843556		R1157	NRSA63J-122X	MG RESISTOR	1.2K J 1/16W		
L1101		26100000KM0024	FIXED INDUCTOR	10UH/26MM		R1158	NRSA63J-101X	MG RESISTOR	100 J 1/16W		
L1102		18A843556N0002	F-BEAD	843556		R1159	NRSA63J-122X	MG RESISTOR	1.2K J 1/16W		
L1103		26100000KM0024	FIXED INDUCTOR	10UH/26MM		W1101	5283A	TIN COATED	0.6MM		
L1106		26027000KM0024	FIXED INDUCTOR	2.7UH/26MM		W1103	5283A	TIN COATED	0.6MM		



## ■ Electrical parts list (VCD changer)

Block No. 04

△	Item	Parts number	Parts name	Remarks	Area
	W1104	5283A	TIN COATED	0.6MM	
	X1101	2102401	CRYSTAL	COMMUTER	

## ■ Electrical parts list (Main)

Block No. 05

△	Item	Parts number	Parts name	Remarks	Area	△	Item	Parts number	Parts name	Remarks	Area
	-----	RT000611B3	RH/TS	3XL8MM			C219	NDC31HJ-471X	C CAPACITOR	470PF J 50V	
	-----	201771010101	INTERNAL TOOTH	M2.6			C220	NDC31HJ-221X	C CAPACITOR	220PF J 50V	
	-----	202323010101	SINK-AMP	AL T=1.0MM			C221	QETM1HM-476	E CAPACITOR	47UF M 50V	
	CD75	5283A	R-3	0.6MM			C223	NDC31HG-100X	C CAPACITOR	10P G 50V	
	CN101	12S40047	CONNECTOR	4PINS/4P			C224	QETM1HM-107	E CAPACITOR	100UF M 50V	
	CN2	12S140017	CONNECTOR	14P V /1.25MM			C225	QFV42AJ-104	MF CAPACITOR	0.1UF J 100V	
	CN202	12S100034	CONNECTOR	10P V			C226	QFV42AJ-104	MF CAPACITOR	0.1UF J 100V	
	CN203	12S800421	CONNECTOR	8P/1.25MM			C301	NCB31HK-102X	C CAPACITOR	1000PF K 50V	
	CN3	12S130027	CONNECTOR	13P/1.25MM			C302	5283A	R-3	0.6MM	
	CN305	12S130027	CONNECTOR	13P/1.25MM			C303	QETM1HM-225	E CAPACITOR	2.2UF M 50V	
	CN307	12S30039	CONNECTOR	3P/2MM			C304	NCB31HK-102X	C CAPACITOR	1000PF K 50V	
	CN308	12S80024	CONNECTOR	8P/2MM			C305	QETM1CM-107	E CAPACITOR	100UF M 16V	
	CN5	12S110020	CONNECTOR	11P/1.25MM			C306	QETM1AM-476	E CAPACITOR	47UF M 10V	
	CN850	12S400551	CONNECTOR	4P/PITCH=2.0MM			C307	NCB31HK-821X	C CAPACITOR	820PF K 50V	
	CN951	12P90052	CONNECTOR ASSY	9P			C308	QFLA2AJ-153	M CAPACITOR	0.015UF J 100V	
	C101	NCB31HK-102X	C CAPACITOR	1000PF K 50V			C309	NCB31HK-103X	C CAPACITOR	0.01UF K 50V	
	C102	QETM1HM-105	E CAPACITOR	1UF M 50V			C310	QETM1CM-107	E CAPACITOR	100UF M 16V	
	C103	QETM1HM-105	E CAPACITOR	1UF M 50V			C311	QFLA2AJ-103	M CAPACITOR	0.01UF J 100V	
	C104	QETM1HM-105	E CAPACITOR	1UF M 50V			C312	QFLA2AJ-103	M CAPACITOR	0.01UF J 100V	
	C1051	NCB31HK-102X	C CAPACITOR	1000PF K 50V			C313	NCB31HK-103X	C CAPACITOR	0.01UF K 50V	
	C1052	NCB31HK-102X	C CAPACITOR	1000PF K 50V			C314	NCB31HK-103X	C CAPACITOR	0.01UF K 50V	
	C1053	QETM1HM-105	E CAPACITOR	1UF M 50V			C315	NCB31HK-103X	C CAPACITOR	0.01UF K 50V	
	C1053	NDC31HG-8R0X	C CAPACITOR	8P G 50V			C316	NCB31HK-103X	C CAPACITOR	0.01UF K 50V	
	C106	QETM1HM-475	E CAPACITOR	4.7UF M 50V			C317	QETM1CM-107	E CAPACITOR	100UF M 16V	
	C107	QETM1HM-475	E CAPACITOR	4.7UF M 50V			C318	QETM1HM-475	E CAPACITOR	4.7UF M 50V	
	C108	QETM1HM-475	E CAPACITOR	4.7UF M 50V			C319	QETL1CM-108	E CAPACITOR	1000UF M 16V	
	C109	QETM1HM-475	E CAPACITOR	4.7UF M 50V			C323	NCB31HK-103X	C CAPACITOR	0.01UF K 50V	
	C110	QFLA2AJ-823	M CAPACITOR	0.082UF J 100V			C324	QETM1AM-107	E CAPACITOR	100UF M 10V	
	C111	QFLA2AJ-823	M CAPACITOR	0.082UF J 100V			C325	QETM1HM-225	E CAPACITOR	2.2UF M 50V	
	C112	QFLA2AJ-562	M CAPACITOR	0.0056UF J 100V			C327	QETM1HM-105	E CAPACITOR	1UF M 50V	
	C113	QFV42AJ-124	MF CAPACITOR	0.12UF J 100V			C328	QETM1AM-476	E CAPACITOR	47UF M 10V	
	C114	QFV42AJ-104	MF CAPACITOR	0.1UF J 100V			C329	NCB31HK-103X	C CAPACITOR	0.01UF K 50V	
	C115	QETM1AM-107	E CAPACITOR	100UF M 10V			C330	NDC31HJ-101X	C CAPACITOR	100PF J 50V	
	C116	QETM1HM-105	E CAPACITOR	1UF M 50V			C331	QETM1AM-107	E CAPACITOR	100UF M 10V	
	C117	5283A	R-3	0.6MM			C332	QETM1AM-476	E CAPACITOR	47UF M 10V	
	C118	QETM1HM-475	E CAPACITOR	4.7UF M 50V			C333	QETM1HM-475	E CAPACITOR	4.7UF M 50V	
	C119	NDC31HJ-471X	C CAPACITOR	470PF J 50V			C334	QETM1HM-105	E CAPACITOR	1UF M 50V	
	C119	NDC31HJ-471X	C CAPACITOR	470PF J 50V			C335	QETM1HM-475	E CAPACITOR	4.7UF M 50V	
	C120	NDC31HJ-221X	C CAPACITOR	220PF J 50V			C336	QETM1HM-105	E CAPACITOR	1UF M 50V	
	C121	QETM1HM-476	E CAPACITOR	47UF M 50V			C337	QETM1AM-476	E CAPACITOR	47UF M 10V	
	C123	NDC31HG-100X	C CAPACITOR	10P G 50V			C338	NCB31HK-102X	C CAPACITOR	1000PF K 50V	
	C124	QETM1HM-107	E CAPACITOR	100UF M 50V			C339	NCB31HK-103X	C CAPACITOR	0.01UF K 50V	
	C125	QFV42AJ-104	MF CAPACITOR	0.1UF J 100V			C341	NCB31HK-103X	C CAPACITOR	0.01UF K 50V	
	C126	QFV42AJ-104	MF CAPACITOR	0.1UF J 100V			C342	NCB31HK-103X	C CAPACITOR	0.01UF K 50V	
	C201	NCB31HK-102X	C CAPACITOR	1000PF K 50V			C343	QETL1CM-108	E CAPACITOR	1000UF M 16V	
	C202	QETM1HM-105	E CAPACITOR	1UF M 50V			C345	NCB31HK-103X	C CAPACITOR	0.01UF K 50V	
	C203	QETM1HM-105	E CAPACITOR	1UF M 50V			C346	QETM1CM-106	E CAPACITOR	10UF M 16V	
	C204	QETM1HM-105	E CAPACITOR	1UF M 50V			C351	QETM1EM-106	E CAPACITOR	10UF M 25V	
	C205	QETM1HM-105	E CAPACITOR	1UF M 50V			C352	QETM1HM-105	E CAPACITOR	1UF M 50V	
	C206	QETM1HM-475	E CAPACITOR	4.7UF M 50V			C353	QETM1AM-476	E CAPACITOR	47UF M 10V	
	C207	QETM1HM-475	E CAPACITOR	4.7UF M 50V			C354	QETM1CM-226	E CAPACITOR	22UF M 16V	
	C208	QETM1HM-475	E CAPACITOR	4.7UF M 50V			C355	QETM1HM-225	E CAPACITOR	2.2UF M 50V	
	C209	QETM1HM-475	E CAPACITOR	4.7UF M 50V			C356	NCB31HK-103X	C CAPACITOR	0.01UF K 50V	
	C210	QFLA2AJ-823	M CAPACITOR	0.082UF J 100V			C357	NCB31HK-103X	C CAPACITOR	0.01UF K 50V	
	C211	QFLA2AJ-823	M CAPACITOR	0.082UF J 100V			C363	QETM1EM-106	E CAPACITOR	10UF M 25V	
	C212	QFLA2AJ-562	M CAPACITOR	0.0056UF J 100V			C364	QETM1EM-106	E CAPACITOR	10UF M 25V	
	C213	QFV42AJ-124	MF CAPACITOR	0.12UF J 100V			C365	QETM1CM-226	E CAPACITOR	22UF M 16V	
	C215	QFV42AJ-104	MF CAPACITOR	0.1UF J 100V			C366	QETM1HM-105	E CAPACITOR	1UF M 50V	
	C215	QETM1AM-107	E CAPACITOR	100UF M 10V			C367	QETM1HM-105	E CAPACITOR	1UF M 50V	
	C216	QETM1HM-105	E CAPACITOR	1UF M 50V			C368	QFVA1HJ-334	MF CAPACITOR	0.33UF J 50V	
	C217	5283A	R-3	0.6MM			C369	QFLA2AJ-683	M CAPACITOR	0.068UF J 100V	
	C218	QETM1HM-475	E CAPACITOR	4.7UF M 50V			C370	QETM1EM-106	E CAPACITOR	10UF M 25V	
	C219	NDC31HJ-471X	C CAPACITOR	470PF J 50V			C371	NCB31HK-103X	C CAPACITOR	0.01UF K 50V	

## ■ Electrical parts list (Main)

Block No. 05

△	Item	Parts number	Parts name	Remarks	Area	△	Item	Parts number	Parts name	Remarks	Area
	C381	NCF31HZ-223X	C CAPACITOR	0.022UF Z 50V			C903	QFLA2AJ-683	M CAPACITOR	0.068UF J 100V	
	C382	QETM1HM-104	E CAPACITOR	0.1UF M 50V			C904	QFLA2AJ-683	M CAPACITOR	0.068UF J 100V	
	C390	QETM1AM-227	E CAPACITOR	220UF M 10V			△	C905	CE33863MSN3	E CAPACITOR	3300UF/63V
	C401	NCB31HK-222X	C CAPACITOR	2200PF K 50V			△	C906	CE33863MSN3	E CAPACITOR	3300UF/63V
	C401	5283A	R-3	0.6MM			C907	NCB21HJ-104X	C CAPACITOR	0.1UF J 50V	
	C402	NCB31HK-222X	C CAPACITOR	2200PF K 50V			C908	NCB21HJ-104X	C CAPACITOR	0.1UF J 50V	
	C403	NCB31HK-102X	C CAPACITOR	1000PF K 50V			C909	NCB21HJ-104X	C CAPACITOR	0.1UF J 50V	
	C404	QFLA2AJ-183	M CAPACITOR	0.018UF J 100V			C910	NCB21HJ-104X	C CAPACITOR	0.1UF J 50V	
	C405	QETM1AM-107	E CAPACITOR	100UF M 10V			△	C911	CE47825M0	E CAPACITOR	4700/25V
	C407	QETM1HM-475	E CAPACITOR	4.7UF M 50V			C912	QETL1JM-476	E CAPACITOR	47UF M 63V	
	C408	QETM1HM-475	E CAPACITOR	4.7UF M 50V			C913	QETM1HM-226	E CAPACITOR	22UF M 50V	
	C409	NCB31HK-102X	C CAPACITOR	1000PF K 50V			C914	NCB31HK-103X	C CAPACITOR	0.01UF K 50V	
	C410	NCB31HK-332X	C CAPACITOR	3300PF K 50V			C915	QETM1HM-226	E CAPACITOR	22UF M 50V	
	C411	QETM1EM-106	E CAPACITOR	10UF M 25V			C916	QETM1EM-106	E CAPACITOR	10UF M 25V	
	C413	CH181500JM0130	C CAPACITOR	180PF/50V			C917	QETM1HM-225	E CAPACITOR	2.2UF M 50V	
	C414	NCB31HK-102X	C CAPACITOR	1000PF K 50V			C918	NCB31HK-103X	C CAPACITOR	0.01UF K 50V	
	C415	QETM1HM-475	E CAPACITOR	4.7UF M 50V			C919	QETM1AM-337	E CAPACITOR	100UF M 10V	
	C417	NDC31HJ-471X	C CAPACITOR	470PF J 50V			C920	NCB21HJ-104X	C CAPACITOR	0.1UF J 50V	
	C418	NCB31HK-222X	C CAPACITOR	2200PF K 50V			C921	QETM1CM-107	E CAPACITOR	100UF M 16V	
	C501	NCB31HK-222X	C CAPACITOR	2200PF K 50V			C922	QETM1EM-106	E CAPACITOR	10UF M 25V	
	C502	NCB31HK-222X	C CAPACITOR	2200PF K 50V			C923	CC22350Z	C CAPACITOR	0.022UF/50V	
	C503	NCB31HK-102X	C CAPACITOR	1000PF K 50V			C924	QETM1EM-106	E CAPACITOR	10UF M 25V	
	C504	QFLA2AJ-183	M CAPACITOR	0.018UF J 100V			D304	11ES2-T4	SI DIODE		
	C505	QETM1AM-107	E CAPACITOR	100UF M 10V			D305	11ES2-T4	SI DIODE		
	C507	QETM1HM-475	E CAPACITOR	4.7UF M 50V			D307	UZ5.1BSB	ZENER DIODE		
	C508	QETM1HM-475	E CAPACITOR	4.7UF M 50V			D308	11ES2-T4	SI DIODE		
	C509	NCB31HK-102X	C CAPACITOR	1000PF K 50V			D309	11ES2-T4	SI DIODE		
	C510	NCB31HK-332X	C CAPACITOR	3300PF K 50V			D310	11ES2-T4	SI DIODE		
	C511	QETM1EM-106	E CAPACITOR	10UF M 25V			D311	11ES2-T4	SI DIODE		
	C513	CH181500JM0130	C CAPACITOR	180PF/50V			D312	11ES2-T4	SI DIODE		
	C514	NCB31HK-102X	C CAPACITOR	1000PF K 50V			D313	11ES2-T4	SI DIODE		
	C515	QETM1HM-475	E CAPACITOR	4.7UF M 50V			D314	11ES2-T4	SI DIODE		
	C517	NDC31HJ-471X	C CAPACITOR	470PF J 50V			D321	11ES2-T4	SI DIODE		
	C518	NCB31HK-222X	C CAPACITOR	2200PF K 50V			D322	11ES2-T4	SI DIODE		
	C851	QETM1HM-475	E CAPACITOR	4.7UF M 50V			D323	1N4001	SI DIODE		
	C852	NCB31HK-472X	C CAPACITOR	4700PF K 50V			D324	11ES2-T4	SI DIODE		
	C853	QFLA2AJ-123	M CAPACITOR	0.012UF J 100V			D325	11ES2-T4	SI DIODE		
	C854	QFLA2AJ-103	M CAPACITOR	0.01UF J 100V			D326	11ES2-T4	SI DIODE		
	C855	QETM1AM-107	E CAPACITOR	100UF M 10V			D327	11ES2-T4	SI DIODE		
	C856	NCB31HK-103X	C CAPACITOR	0.01UF K 50V			D328	11ES2-T4	SI DIODE		
	C857	NDC31HJ-101X	C CAPACITOR	100PF J 50V			D329	11ES2-T4	SI DIODE		
	C858	QETM1CM-226	E CAPACITOR	22UF M 16V			D330	11ES2-T4	SI DIODE		
	C859	QFLA2AJ-103	M CAPACITOR	0.01UF J 100V			D331	11ES2-T4	SI DIODE		
	C860	QFVA1HJ-474	MF CAPACITOR	0.47UF J 50V			D332	11ES2-T4	SI DIODE		
	C861	NCB31HK-332X	C CAPACITOR	3300PF K 50V			D333	11ES2-T4	SI DIODE		
	C862	NCB31HK-103X	C CAPACITOR	0.01UF K 50V			D851	11ES2-T4	SI DIODE		
	C863	QETM1HM-225	E CAPACITOR	2.2UF M 50V			D852	UZ5.1BSB	ZENER DIODE		
	C864	NDC31HJ-151X	C CAPACITOR	150PF J 50V			D853	MTZJ8.2B-T	ZENER DIODE		
	C865	NDC31HJ-151X	C CAPACITOR	150PF J 50V			△	D901	3RS603M1	BRIDGE DIODE	RS603M
	C866	NDC31HJ-331X	C CAPACITOR	330PF J 50V			△	D902	31N5393GWN0000	SI DIODE	1N5393
	C867	QETM1HM-105	E CAPACITOR	1UF M 50V			△	D903	31N5393GWN0000	SI DIODE	1N5393
	C868	QETM1HM-475	E CAPACITOR	4.7UF M 50V			△	D904	31N5393GWN0000	SI DIODE	1N5393
	C869	QETM1AM-107	E CAPACITOR	100UF M 10V			△	D905	31N5393GWN0000	SI DIODE	1N5393
	C870	QETM1AM-227	E CAPACITOR	220UF M 10V			△	D906	1N4001	SI DIODE	
	C871	NCF31HZ-473X	C CAPACITOR	0.047UF Z 50V			D907	MTZJ33C-T77	ZENER DIODE		
	C872	NDC31HJ-391X	C CAPACITOR	390PF J 50V			D908	MTZ6.2JB	ZENER DIODE		
	C873	NDC31HJ-391X	C CAPACITOR	390PF J 50V			D909	11ES2-T4	SI DIODE		
	C874	QETM1CM-106	E CAPACITOR	10UF M 16V			D910	MTZ6.2JB	ZENER DIODE		
	C875	NCB31HK-103X	C CAPACITOR	0.01UF K 50V			D911	MTZJ5.6BT-77	ZENER DIODE		
	C876	QETM1HM-105	E CAPACITOR	1UF M 50V			D912	MTZJ13C	ZENER DIODE		
	C877	QETM1CM-227	E CAPACITOR	220UF M 16V			D913	MTZJ12C	ZENER DIODE		
	C901	QFLA2AJ-683	M CAPACITOR	0.068UF J 100V			D915	MTZJ6.8B	ZENER DIODE		
	C902	QFLA2AJ-683	M CAPACITOR	0.068UF J 100V			D916	11ES2-T4	SI DIODE		

## ■ Electrical parts list (Main)

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△	Item	Parts number	Parts name	Remarks	Area	△	Item	Parts number	Parts name	Remarks	Area
	FB304	18A843556N0002	F-BEAD	52MM			Q314	DTC114YSA-T	D.TRANSISTOR		
	FB306	18A843556N0002	F-BEAD	52MM			Q315	2KTC3199GP0008	TRANSISTOR	KTC3199GR	
	FB951	201196010101	FUSE HOLDER	0			Q316	2KTC3199GP0008	TRANSISTOR	KTC3199GR	
	FB952	201196010101	FUSE HOLDER	0			Q317	2KTC3199GP0008	TRANSISTOR	KTC3199GR	
	FB953	201196010101	FUSE HOLDER	0			Q318	DTC114YSA-T	D.TRANSISTOR		
	FW051	12P402341	CONNECTOR	4PINS/2.5MM			Q319	KTA1273/Y/-T	TRANSISTOR		
	FW951	12S90048	CONNECTOR	9P/2.5MM			Q320	DTC114YSA-T	D.TRANSISTOR		
	HJ053	23B0112	MINITURE JACK	3.5M			Q321	DTC114YSA-T	D.TRANSISTOR		
	IC102	BA15218F-W	IC				Q322	2KRA107MP0008	D.TRANSISTOR	KRA107M	
	IC103	113231	IC	TDA7440D			Q323	2KRA107MP0008	D.TRANSISTOR	KRA107M	
	IC301	BA3837	IC				Q324	2KRA107MP0008	D.TRANSISTOR	KRA107M	
△	IC304	113201	IC	STK402-070			Q325	DTC114YSA-T	D.TRANSISTOR		
	IC401	TA8189N	IC				Q327	2KTA1267GP0008	TRANSISTOR	KTA1267GR	
	IC851	BU9253AS	IC				Q331	KTC3200GR	TRANSISTOR		
	IC852	BA15218F-W	IC				Q332	2KTA1268GP0008	TRANSISTOR	KTA1268 GR	
	JA301	23B0931	JACK	2 RCA			Q333	DTC114YSA-T	D.TRANSISTOR		
	JR1	NRSA63J-0R0X	MG RESISTOR	0 J 1/16W			Q334	2KRA107MP0008	D.TRANSISTOR	KRA107M	
	JR10	NRSA63J-0R0X	MG RESISTOR	0 J 1/16W			Q335	2KRA107MP0008	D.TRANSISTOR	KRA107M	
	JR107	NRSA63J-0R0X	MG RESISTOR	0 J 1/16W			Q336	2KTC3199GP0008	TRANSISTOR	KTC3199GR	
	JR11	NRSA63J-0R0X	MG RESISTOR	0 J 1/16W			Q337	2KTC3199GP0008	TRANSISTOR	KTC3199GR	
	JR2	NRSA63J-0R0X	MG RESISTOR	0 J 1/16W			Q338	2KTC3199GP0008	TRANSISTOR	KTC3199GR	
	JR207	NRSA63J-0R0X	MG RESISTOR	0 J 1/16W			Q339	DTC114YSA-T	D.TRANSISTOR		
	JR3	NRSA63J-0R0X	MG RESISTOR	0 J 1/16W			Q401	2SD2144S/VW/-T	TRANSISTOR	2SD2144S	
	JR4	NRSA63J-0R0X	MG RESISTOR	0 J 1/16W			Q402	2SD2144S/VW/-T	TRANSISTOR	2SD2144S	
	JR6	NRSA63J-0R0X	MG RESISTOR	0 J 1/16W			Q403	2KTC3199GP0008	TRANSISTOR	KTC3199GR	
	JR7	NRSA63J-0R0X	MG RESISTOR	0 J 1/16W			Q404	2KTC3199GP0008	TRANSISTOR	KTC3199GR	
	JR8	NRSA63J-0R0X	MG RESISTOR	0 J 1/16W			Q405	2KTC3199GP0008	TRANSISTOR	KTC3199GR	
	J303	23F0251	TERMINAL	SP 4P			Q501	2SD2144S/VW/-T	TRANSISTOR	2SD2144S	
	L101	2600702	FIXED INDUCTOR	1.0UH			Q502	2SD2144S/VW/-T	TRANSISTOR	2SD2144S	
	L1051	26470000KM0024	FIXED INDUCTOR	47UH/26MM			Q503	2KTC3199GP0008	TRANSISTOR	KTC3199GR	
	L1052	26470000KM0024	FIXED INDUCTOR	47UH/26MM			Q504	2KTC3199GP0008	TRANSISTOR	KTC3199GR	
	L1054	26004700MM0024	FIXED INDUCTOR	0.47UH/26MM			Q505	2KTC3199GP0008	TRANSISTOR	KTC3199GR	
	L201	2600702	FIXED INDUCTOR	1.0UH			Q851	2SD2144S/VW/-T	TRANSISTOR	2SD2144S	
	L301	605071	IFT	10MM 864306			Q852	2KTC3199GP0008	TRANSISTOR	KTC3199GR	
	L305	26100000KN0084	FIXED INDUCTORS	10UH/52MM			Q853	DTA114YSTP	D.TRANSISTOR		
	PN1	2004771	P.C.B.TERMINAL	0			Q901	2SA934RP0007	TRANSISTOR	2SA934 R	
	PN2	2004771	P.C.B.TERMINAL	0			Q902	DTC114YSA-T	D.TRANSISTOR		
	PN3	11A050M0	BLACK WIRE	50MM UL1007			Q903	DTC114YSA-T	D.TRANSISTOR		
	PN4	11A050M0	BLACK WIRE	50MM UL1007			△ Q904	2KTB1366Y8	TRANSISTOR	KTB1366 Y	
	PN5	11A050M0	BLACK WIRE	50MM UL1007			Q905	2KTC3199GP0008	TRANSISTOR	KTC3199GR	
	PN6	11A050M0	BLACK WIRE	50MM UL1007			Q906	2KTC3199GP0008	TRANSISTOR	KTC3199GR	
	PN8	2004771	P.C.B.TERMINAL	0			△ Q907	2KTB1366Y8	TRANSISTOR	KTB1366 Y	
	PVB	251172G01V	PVB COM	SIZE 197X326MM			Q908	2KTA1267GP0008	TRANSISTOR	KTA1267GR	
	Q101	2KTC3199GP0008	TRANSISTOR	KTC3199GR			Q909	2KRA107MP0008	D.TRANSISTOR	KRA107M	
	Q103	2KTC3199GP0008	TRANSISTOR	KTC3199GR			Q910	DTC114YSA-T	D.TRANSISTOR		
	Q104	2KTA1267GP0008	TRANSISTOR	KTA1267GR			Q911	2KTC3199GP0008	TRANSISTOR	KTC3199GR	
	Q105	2KTC3199GP0008	TRANSISTOR	KTC3199GR			Q912	DTC114YSA-T	D.TRANSISTOR		
	Q201	2KTC3199GP0008	TRANSISTOR	KTC3199GR			△ RY301	8RL00071	RELAY	G5PA-2	
	Q203	2KTC3199GP0008	TRANSISTOR	KTC3199GR			R101	NRSA63J-393X	MG RESISTOR	39K J 1/16W	
	Q204	2KTA1267GP0008	TRANSISTOR	KTA1267GR			R102	NRSA63J-822X	MG RESISTOR	8.2K J 1/16W	
	Q205	2KTC3199GP0008	TRANSISTOR	KTC3199GR			R103	NRSA63J-222X	MG RESISTOR	2.2K J 1/16W	
	Q301	2KRA107MP0008	D.TRANSISTOR	KRA107M			R104	NRSA63J-222X	MG RESISTOR	2.2K J 1/16W	
	Q302	KTC3200GR	TRANSISTOR				R105	NRSA63J-154X	MG RESISTOR	150K J 1/16W	
	Q303	2KTC3203Y0008	TRANSISTOR	KTC3203 Y			R106	NRSA63J-562X	MG RESISTOR	5.6K J 1/16W	
	Q304	2KTA1267GP0008	TRANSISTOR	KTA1267GR			R108	NRSA63J-103X	MG RESISTOR	10K J 1/16W	
	Q305	DTC144ESTP	D.TRANSISTOR				R109	NRSA63J-122X	MG RESISTOR	1.2K J 1/16W	
	Q307	2KTC3199GP0008	TRANSISTOR	KTC3199GR			R110	NRSA63J-222X	MG RESISTOR	2.2K J 1/16W	
	Q308	DTC144ESTP	D.TRANSISTOR				R111	NRSA63J-222X	MG RESISTOR	2.2K J 1/16W	
	Q309	KTA1273/Y/-T	TRANSISTOR				R112	NRSA63J-562X	MG RESISTOR	5.6K J 1/16W	
	Q310	2KTC3199GP0008	TRANSISTOR	KTC3199GR			R113	NRSA63J-103X	MG RESISTOR	10K J 1/16W	
	Q311	KTA1273/Y/-T	TRANSISTOR				R114	NRSA63J-182X	MG RESISTOR	1.8K J 1/16W	
	Q312	2KTC3199GP0008	TRANSISTOR	KTC3199GR			R115	NRSA63J-223X	MG RESISTOR	22K J 1/16W	
	Q313	KTA1273/Y/-T	TRANSISTOR				R117	NRSA63J-222X	MG RESISTOR	2.2K J 1/16W	

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Block No. 05

△	Item	Parts number	Parts name	Remarks	Area	△	Item	Parts number	Parts name	Remarks	Area	
	R118	NRSA63J-472X	MG RESISTOR	4.7K J 1/16W			R304	NRSA63J-331X	MG RESISTOR	330 J 1/16W		
	R119	NRSA63J-103X	MG RESISTOR	10K J 1/16W			R305	NRSA63J-103X	MG RESISTOR	10K J 1/16W		
	R120	NRSA63J-563X	MG RESISTOR	56K J 1/16W			R306	NRSA63J-105X	MG RESISTOR	1M J 1/16W		
	R121	NRSA63J-152X	MG RESISTOR	1.5K J 1/16W			R307	NRSA63J-222X	MG RESISTOR	2.2K J 1/16W		
	R123	NRSA63J-473X	MG RESISTOR	47K J 1/16W			R308	NRSA63J-103X	MG RESISTOR	10K J 1/16W		
	R124	NRSA63J-152X	MG RESISTOR	1.5K J 1/16W			R309	NRSA63J-100X	MG RESISTOR	10 J 1/16W		
	R125	QRM024K-R22	MP RESISTOR	0.22 K 2W			R310	NRSA63J-820X	MG RESISTOR	82 J 1/16W		
	R126	QRM024K-R22	MP RESISTOR	0.22 K 2W			R311	NRSA63J-100X	MG RESISTOR	10 J 1/16W		
△	R127	RF1510045N0000	FUSI RESISTOR	150 OHM 1/4W			R312	NRSA63J-102X	MG RESISTOR	1K J 1/16W		
	R128	NRSA63J-220X	MG RESISTOR	22 J 1/16W			R313	NRSA63J-471X	MG RESISTOR	470 J 1/16W		
	R129	NRSA63J-220X	MG RESISTOR	22 J 1/16W			R314	NRSA63J-474X	MG RESISTOR	470K J 1/16W		
	R130	NRSA63J-220X	MG RESISTOR	22 J 1/16W			R315	NRSA63J-222X	MG RESISTOR	2.2K J 1/16W		
	R131	NRSA63J-103X	MG RESISTOR	10K J 1/16W			R316	RC1030085N0000	C RESISTOR	10 K		
△	R132	RF3910045N0000	FUSI RESISTOR	390 OHM J 1/4W			R317	NRSA63J-472X	MG RESISTOR	4.7K J 1/16W		
△	R133	RF3910045N0000	FUSI RESISTOR	390 OHM J 1/4W			R319	NRSA63J-223X	MG RESISTOR	22K J 1/16W		
△	R134	NRSA63J-103X	MG RESISTOR	10K J 1/16W			R320	NRSA63J-473X	MG RESISTOR	47K J 1/16W		
	R136	NRSA63J-102X	MG RESISTOR	1K J 1/16W			R321	NRSA63J-222X	MG RESISTOR	2.2K J 1/16W		
	R137	NRSA63J-104X	MG RESISTOR	100K J 1/16W			R322	NRSA63J-222X	MG RESISTOR	2.2K J 1/16W		
	R138	NRSA63J-102X	MG RESISTOR	1K J 1/16W			R324	NRSA63J-222X	MG RESISTOR	2.2K J 1/16W		
	R139	QRE141J-103	C RESISTOR	10K J 1/4W			R325	NRSA63J-222X	MG RESISTOR	2.2K J 1/16W		
	R150	NRSA63J-220X	MG RESISTOR	22 J 1/16W			R327	NRSA63J-103X	MG RESISTOR	10K J 1/16W		
	R151	NRSA63J-153X	MG RESISTOR	15K J 1/16W			R328	NRSA63J-103X	MG RESISTOR	10K J 1/16W		
	R152	NRSA63J-473X	MG RESISTOR	47K J 1/16W			R329	NRSA63J-223X	MG RESISTOR	22K J 1/16W		
	R201	NRSA63J-393X	MG RESISTOR	39K J 1/16W			R330	NRSA63J-473X	MG RESISTOR	47K J 1/16W		
	R202	NRSA63J-822X	MG RESISTOR	8.2K J 1/16W			R331	NRSA63J-332X	MG RESISTOR	3.3K J 1/16W		
	R203	NRSA63J-222X	MG RESISTOR	2.2K J 1/16W			R332	NRSA63J-472X	MG RESISTOR	4.7K J 1/16W		
	R204	NRSA63J-222X	MG RESISTOR	2.2K J 1/16W			R333	NRSA63J-151X	MG RESISTOR	150 J 1/16W		
	R205	NRSA63J-154X	MG RESISTOR	150K J 1/16W			R334	NRSA63J-332X	MG RESISTOR	3.3K J 1/16W		
	R206	NRSA63J-562X	MG RESISTOR	5.6K J 1/16W			R335	NRSA63J-472X	MG RESISTOR	4.7K J 1/16W		
	R208	NRSA63J-103X	MG RESISTOR	10K J 1/16W			R336	NRSA63J-151X	MG RESISTOR	150 J 1/16W		
	R209	NRSA63J-122X	MG RESISTOR	1.2K J 1/16W			R337	NRSA63J-332X	MG RESISTOR	3.3K J 1/16W		
	R210	NRSA63J-222X	MG RESISTOR	2.2K J 1/16W			R338	NRSA63J-102X	MG RESISTOR	1K J 1/16W		
	R211	NRSA63J-222X	MG RESISTOR	2.2K J 1/16W			R344	NRSA63J-102X	MG RESISTOR	1K J 1/16W		
	R212	NRSA63J-562X	MG RESISTOR	5.6K J 1/16W			R345	NRSA63J-102X	MG RESISTOR	1K J 1/16W		
	R213	NRSA63J-103X	MG RESISTOR	10K J 1/16W			R346	NRSA63J-221X	MG RESISTOR	220 J 1/16W		
	R214	NRSA63J-182X	MG RESISTOR	1.8K J 1/16W			R347	NRSA63J-102X	MG RESISTOR	1K J 1/16W		
	R215	NRSA63J-223X	MG RESISTOR	22K J 1/16W			R348	NRSA63J-222X	MG RESISTOR	2.2K J 1/16W		
	R217	NRSA63J-222X	MG RESISTOR	2.2K J 1/16W			R349	NRSA63J-221X	MG RESISTOR	220 J 1/16W		
	R218	NRSA63J-472X	MG RESISTOR	4.7K J 1/16W			R350	NRSA63J-102X	MG RESISTOR	1K J 1/16W		
	R219	NRSA63J-103X	MG RESISTOR	10K J 1/16W			R351	NRSA63J-104X	MG RESISTOR	100K J 1/16W		
	R220	NRSA63J-563X	MG RESISTOR	56K J 1/16W			R352	NRSA63J-153X	MG RESISTOR	15K J 1/16W		
	R221	NRSA63J-152X	MG RESISTOR	1.5K J 1/16W			R353	NRSA63J-181X	MG RESISTOR	180 J 1/16W		
	R223	NRSA63J-473X	MG RESISTOR	47K J 1/16W			R354	NRSA63J-821X	MG RESISTOR	820 J 1/16W		
	R224	NRSA63J-152X	MG RESISTOR	1.5K J 1/16W			R355	NRSA63J-330X	MG RESISTOR	33 J 1/16W		
	R225	QRM024K-R22	MP RESISTOR	0.22 K 2W			R356	NRSA63J-221X	MG RESISTOR	220 J 1/16W		
	R226	QRM024K-R22	MP RESISTOR	0.22 K 2W			R357	NRSA63J-103X	MG RESISTOR	10K J 1/16W		
△	R227	RF1510045N0000	FUSI RESISTOR	150 OHM 1/4W			R358	NRSA63J-104X	MG RESISTOR	100K J 1/16W		
	R228	NRSA63J-220X	MG RESISTOR	22 J 1/16W			R359	NRSA63J-471X	MG RESISTOR	470 J 1/16W		
	R229	NRSA63J-220X	MG RESISTOR	22 J 1/16W			R361	NRSA63J-223X	MG RESISTOR	22K J 1/16W		
	R230	NRSA63J-220X	MG RESISTOR	22 J 1/16W			△	R362	RF0100045N0000	FUSI RESISTOR	1 OHM 1/4W	
	R231	NRSA63J-103X	MG RESISTOR	10K J 1/16W			R363	NRSA63J-271X	MG RESISTOR	270 J 1/16W		
△	R232	RF3910045N0000	FUSI RESISTOR	390 OHM J 1/4W			R364	NRSA63J-153X	MG RESISTOR	15K J 1/16W		
△	R233	RF3910045N0000	FUSI RESISTOR	390 OHM J 1/4W			R365	NRSA63J-332X	MG RESISTOR	3.3K J 1/16W		
	R234	NRSA63J-103X	MG RESISTOR	10K J 1/16W			R366	NRSA63J-682X	MG RESISTOR	6.8K J 1/16W		
	R235	NRSA63J-103X	MG RESISTOR	10K J 1/16W			R367	NRSA63J-103X	MG RESISTOR	10K J 1/16W		
	R236	NRSA63J-102X	MG RESISTOR	1K J 1/16W			R368	NRSA63J-473X	MG RESISTOR	47K J 1/16W		
	R237	NRSA63J-104X	MG RESISTOR	100K J 1/16W			R369	NRSA63J-473X	MG RESISTOR	47K J 1/16W		
	R238	NRSA63J-102X	MG RESISTOR	1K J 1/16W			R370	NRSA63J-102X	MG RESISTOR	1K J 1/16W		
	R239	NRSA63J-103X	MG RESISTOR	10K J 1/16W			R371	NRSA63J-223X	MG RESISTOR	22K J 1/16W		
	R250	NRSA63J-220X	MG RESISTOR	22 J 1/16W			R372	NRSA63J-223X	MG RESISTOR	22K J 1/16W		
	R251	NRSA63J-153X	MG RESISTOR	15K J 1/16W			R373	NRSA63J-222X	MG RESISTOR	2.2K J 1/16W		
	R301	NRSA63J-102X	MG RESISTOR	1K J 1/16W			R374	NRSA63J-223X	MG RESISTOR	22K J 1/16W		
	R303	NRSA63J-102X	MG RESISTOR	1K J 1/16W			R375	NRSA63J-472X	MG RESISTOR	4.7K J 1/16W		

## ■ Electrical parts list (Main)

Block No. 05

▲	Item	Parts number	Parts name	Remarks	Area	▲	Item	Parts number	Parts name	Remarks	Area
	R376	NRSA63J-472X	MG RESISTOR	4.7K J 1/16W			R856	NRSA63J-823X	MG RESISTOR	82K J 1/16W	
	R377	NRSA63J-221X	MG RESISTOR	220 J 1/16W			R857	NRSA63J-333X	MG RESISTOR	33K J 1/16W	
	R378	NRSA63J-102X	MG RESISTOR	1K J 1/16W			R858	NRSA63J-103X	MG RESISTOR	10K J 1/16W	
	R379	NRSA63J-223X	MG RESISTOR	22K J 1/16W			R859	NRSA63J-472X	MG RESISTOR	4.7K J 1/16W	
	R380	NRSA63J-103X	MG RESISTOR	10K J 1/16W			R860	NRSA63J-153X	MG RESISTOR	15K J 1/16W	
	R381	NRSA63J-104X	MG RESISTOR	100K J 1/16W			R861	NRSA63J-471X	MG RESISTOR	470 J 1/16W	
	R382	NRSA63J-223X	MG RESISTOR	22K J 1/16W			R862	NRSA63J-102X	MG RESISTOR	1K J 1/16W	
	R383	NRSA63J-473X	MG RESISTOR	47K J 1/16W			R863	NRSA63J-472X	MG RESISTOR	4.7K J 1/16W	
	R384	NRSA63J-103X	MG RESISTOR	10K J 1/16W			R864	NRSA63J-470X	MG RESISTOR	47 J 1/16W	
	R385	NRSA63J-104X	MG RESISTOR	100K J 1/16W			R865	NRSA63J-273X	MG RESISTOR	27K J 1/16W	
	R386	QRE141J-100	C RESISTOR	10 J 1/4W			R866	NRSA63J-391X	MG RESISTOR	390 J 1/16W	
	R387	NRSA63J-150X	MG RESISTOR	15 J 1/16W			R867	NRSA63J-152X	MG RESISTOR	1.5K J 1/16W	
	R388	NRSA63J-222X	MG RESISTOR	2.2K J 1/16W			R868	NRSA63J-475X	MG RESISTOR	4.7M J 1/16W	
	R389	NRSA63J-103X	MG RESISTOR	10K J 1/16W			R869	NRSA63J-561X	MG RESISTOR	560 J 1/16W	
	R390	NRSA63J-561X	MG RESISTOR	560 J 1/16W			R870	NRSA63J-472X	MG RESISTOR	4.7K J 1/16W	
	R391	NRSA63J-222X	MG RESISTOR	2.2K J 1/16W			R871	NRSA63J-472X	MG RESISTOR	4.7K J 1/16W	
	R392	RC1030085N0000	C RESISTOR	10 K			R872	NRSA63J-221X	MG RESISTOR	220 J 1/16W	
	R393	NRSA63J-333X	MG RESISTOR	33K J 1/16W			R873	NRSA63J-123X	MG RESISTOR	12K J 1/16W	
	R394	NRSA63J-473X	MG RESISTOR	47K J 1/16W			R874	NRSA63J-103X	MG RESISTOR	10K J 1/16W	
	R395	NRSA63J-820X	MG RESISTOR	82 J 1/16W			R875	NRSA63J-223X	MG RESISTOR	22K J 1/16W	
	R401	NRSA63J-104X	MG RESISTOR	100K J 1/16W			R876	NRSA63J-473X	MG RESISTOR	47K J 1/16W	
	R402	NRSA63J-682X	MG RESISTOR	6.8K J 1/16W			R878	NRSA63J-104X	MG RESISTOR	100K J 1/16W	
	R404	NRSA63J-101X	MG RESISTOR	100 J 1/16W			R879	NRSA63J-472X	MG RESISTOR	4.7K J 1/16W	
	R405	NRSA63J-103X	MG RESISTOR	10K J 1/16W			R881	NRSA63J-222X	MG RESISTOR	2.2K J 1/16W	
	R406	NRSA63J-682X	MG RESISTOR	6.8K J 1/16W			R882	NRSA63J-123X	MG RESISTOR	12K J 1/16W	
	R407	NRSA63J-683X	MG RESISTOR	68K J 1/16W			R901	NRSA63J-472X	MG RESISTOR	4.7K J 1/16W	
	R409	NRSA63J-154X	MG RESISTOR	150K J 1/16W		▲	R902	RF1010045N0000	FUSI RESISTOR	100 OHM J 1/4W	
	R410	NRSA63J-122X	MG RESISTOR	1.2K J 1/16W			R903	NRSA63J-222X	MG RESISTOR	2.2K J 1/16W	
	R412	NRSA63J-182X	MG RESISTOR	1.8K J 1/16W			R904	NRSA63J-101X	MG RESISTOR	100 J 1/16W	
	R413	NRSA63J-223X	MG RESISTOR	22K J 1/16W			R905	NRSA63J-101X	MG RESISTOR	100 J 1/16W	
	R414	NRSA63J-472X	MG RESISTOR	4.7K J 1/16W			R906	NRSA63J-103X	MG RESISTOR	10K J 1/16W	
	R415	NRSA63J-103X	MG RESISTOR	10K J 1/16W		▲	R907	NRSA63J-102X	MG RESISTOR	1K J 1/16W	
	R416	NRSA63J-682X	MG RESISTOR	6.8K J 1/16W			R908	RF0100025N0000	FUSI RESISTOR	1 OHM 0.5W	
	R417	NRSA63J-223X	MG RESISTOR	22K J 1/16W			R909	NRSA63J-473X	MG RESISTOR	47K J 1/16W	
	R418	NRSA63J-222X	MG RESISTOR	2.2K J 1/16W			R910	NRSA63J-223X	MG RESISTOR	22K J 1/16W	
	R421	NRSA63J-222X	MG RESISTOR	2.2K J 1/16W			R911	NRSA63J-332X	MG RESISTOR	3.3K J 1/16W	
	R422	NRSA63J-222X	MG RESISTOR	2.2K J 1/16W			R912	NRSA63J-471X	MG RESISTOR	470 J 1/16W	
	R423	NRSA63J-222X	MG RESISTOR	2.2K J 1/16W			R913	NRSA63J-471X	MG RESISTOR	470 J 1/16W	
	R501	NRSA63J-104X	MG RESISTOR	100K J 1/16W			R914	QRE141J-1R0	C RESISTOR	1 J 1/4W	
	R502	NRSA63J-682X	MG RESISTOR	6.8K J 1/16W			R915	QRE141J-1R0	C RESISTOR	1 J 1/4W	
	R504	NRSA63J-101X	MG RESISTOR	100 J 1/16W			R916	QRE141J-1R0	C RESISTOR	1 J 1/4W	
	R505	NRSA63J-103X	MG RESISTOR	10K J 1/16W			R917	NRSA63J-471X	MG RESISTOR	470 J 1/16W	
	R506	NRSA63J-682X	MG RESISTOR	6.8K J 1/16W			R918	QRE141J-1R0	C RESISTOR	1 J 1/4W	
	R507	NRSA63J-683X	MG RESISTOR	68K J 1/16W		▲	S999	804351	SWITCH	C2C TYPE	
	R509	NRSA63J-154X	MG RESISTOR	150K J 1/16W		▲	TB901	201323010101	TERMINAL	1P MSC	
	R510	NRSA63J-122X	MG RESISTOR	1.2K J 1/16W			TB902	201323010101	TERMINAL	1P MSC	
	R512	NRSA63J-182X	MG RESISTOR	1.8K J 1/16W							
	R513	NRSA63J-223X	MG RESISTOR	22K J 1/16W							
	R514	NRSA63J-472X	MG RESISTOR	4.7K J 1/16W							
	R515	NRSA63J-103X	MG RESISTOR	10K J 1/16W							
	R516	NRSA63J-682X	MG RESISTOR	6.8K J 1/16W							
	R517	NRSA63J-223X	MG RESISTOR	22K J 1/16W							
	R518	NRSA63J-222X	MG RESISTOR	2.2K J 1/16W							
	R521	NRSA63J-222X	MG RESISTOR	2.2K J 1/16W							
	R522	NRSA63J-222X	MG RESISTOR	2.2K J 1/16W							
	R523	NRSA63J-222X	MG RESISTOR	2.2K J 1/16W							
	R833	NRSA63J-151X	MG RESISTOR	150 J 1/16W							
	R840	NRSA63J-472X	MG RESISTOR	4.7K J 1/16W							
	R850	NRSA63J-223X	MG RESISTOR	22K J 1/16W							
	R851	NRSA63J-223X	MG RESISTOR	22K J 1/16W							
	R852	NRSA63J-822X	MG RESISTOR	8.2K J 1/16W							
	R853	NRSA63J-103X	MG RESISTOR	10K J 1/16W							
	R855	NRSA63J-393X	MG RESISTOR	39K J 1/16W							

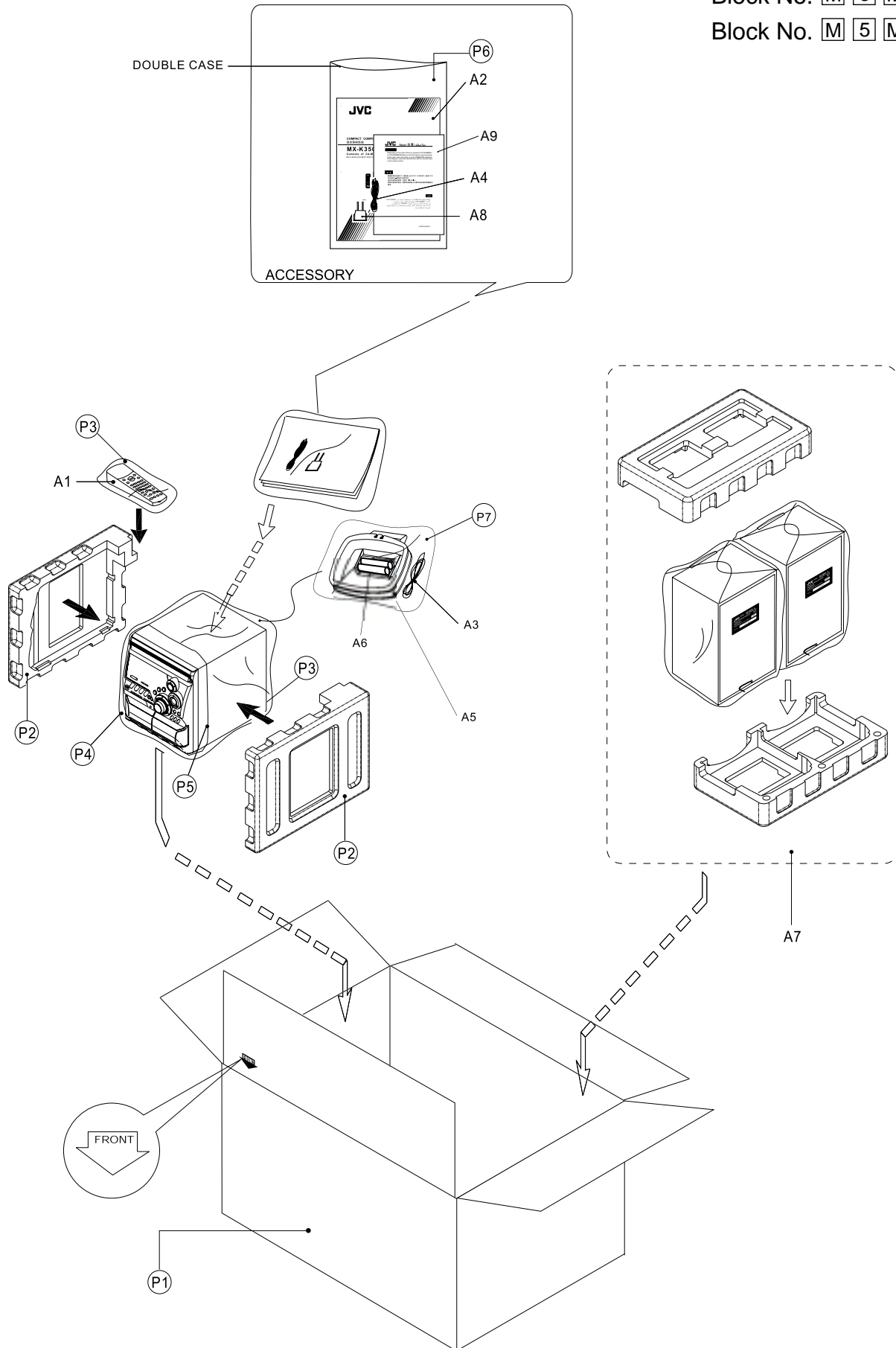
# Packing materials and accessories parts list

Block No. 

M	3	M	M
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Block No. 

M	5	M	M
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Packing Parts list

Block No. M3MM

△	Item	Parts number	Parts name	Q'ty	Description	Area
	P 1	BI4312641	CARTON BOX	1		
	P 2	BI4511363	POLY FOAM L	1		
		BI4511373	POLY FOAM R	1		
	P 3	BI4005355	POLY BAG	2	REMOTE CONTROL AC POWER CORD	
	P 4	BI4710321	POLY BAG	1	UNIT	
	P 5	BI4511451	EPE Foam Paper	1		
	P 6	BI4710311	POLY BAG	1	INSTRUCTIONS	
	P 7	BI4710511	POLY BAG	1	FOR LOOP ANT	

Accessories Parts list

Block No. M5MM

△	Item	Parts number	Parts name	Q'ty	Description	Area
	A 1	BI600RMK350080	REMOTE CONTROL	1		
	A 2	BI4411481	INSTRUCTIONS	1	LVT0864-001A	US
		BI4411591	INSTRUCTIONS	1	LVT0864-002A	UX
	A 3	BIAN01012	WIRE ANT	1		
	A 4	BI11F2000SA01	Video Line Cord	1		
	A 5	BIAN01031	LOOP ANT	1		
	A 6	-----	UM-3 Battery	1		
	A 7	MXK350K-SPBOX-L	SPEAKER BOX L	1		
		MXK350K-SPBOX-R	SPEAKER BOX R	1		
△	A 8	BI23A0094	PLUG Conversion	1	JT-0476(250V)	US
△		BI23A0261	PLUG Conversion	1	JT-0475	UX
	A 9	BI403311	Caution Sheet	1	LV43319-001A	