

JVC

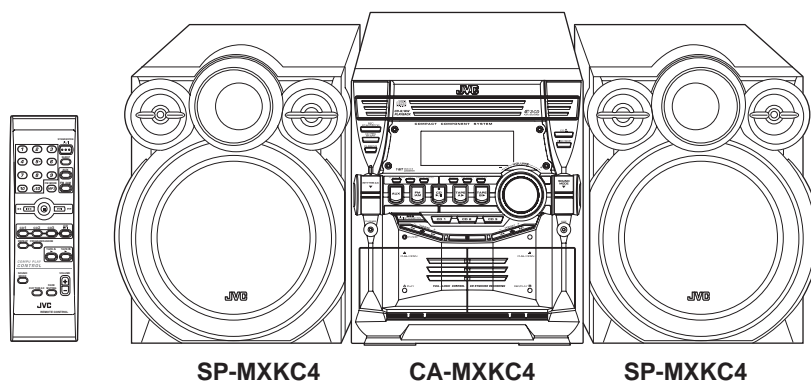
SERVICE MANUAL

COMPACT COMPONENT SYSTEM

MX-KC4

Area suffix

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



SP-MXKC4

CA-MXKC4

SP-MXKC4

COMPACT
disc
DIGITAL AUDIO

TABLE OF CONTENTS

1	PRECAUTION.....	1-3
2	SPECIFIC SERVICE INSTRUCTIONS.....	1-6
3	DISASSEMBLY.....	1-7
4	ADJUSTMENT.....	1-25
5	TROUBLESHOOTING.....	1-27

SPECIFICATION

Amplifier	Output Power	180 W per channel, min. RMS, driven into 6 Ω at 1kHz, with no more than 10% total harmonic distortion
	Input Sensitivity/Impedance (1 kHz)	AUX IN:400 mV/50 k Ω
	Speaker terminals	6 - 16 Ω
	Phones	32 Ω - 1 k Ω 15 mW/ch output into 32 Ω
Cassette Deck Section	Frequency Response : Type I (NORMAL)	63 Hz - 12 500 Hz
	Wow And Flutter	0.15% (WRMS)
CD Player	CD Capacity	3 CDs
	Dynamic Range	85 dB
	Signal-To-Noise Ratio	85 dB
	Wow And Flutter	Unmeasurable
Tuner	FM Tuner	87.5 MHz - 108.0 MHz
	AM Tuner	530 kHz - 1 710 kHz
Unit	Dimensions	270 mm \times 306 mm \times 456 mm (W/H/D) (10-11/16" \times 12-1/16" \times 18")
	Mass	Approx. 8.6 kg (19.0 lbs)
Speaker Specifications (each unit) SP-MXKC4	Type	3-way bass-reflex type
	Speaker Unit	Woofer: 16 cm (6-5/16") cone \times 1 Mid: 5cm (2") cone \times 1 Tweeter: 2 cm (13/16") dome \times 1
	Power Handling Capacity	180 W
	Impedance	6 Ω
	Frequency Range	45 Hz - 22 000 Hz
	Sound pressure level	87 dB/W·m
	Dimensions	266 mm \times 333 mm \times 241 mm (W/H/D) (10-1/2" \times 13-1/8" \times 9-1/2")
	Mass	Approx. 3.9 kg (8.6 lbs)
Power Specifications	Power Requirements	AC 120 V , 60 Hz
	Power Consumption	150 W (power on mode) 22 W (in Standby mode)

Design and specifications are subject to change without notice.

SECTION 1 PRECAUTION

1.1 Safety Precautions

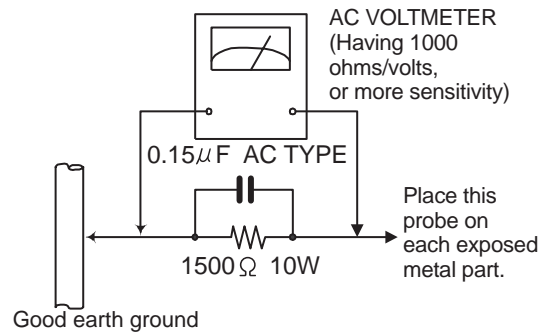
- (1) This design of this product contains special hardware and many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Services should be performed by qualified personnel only.
- (2) Alterations of the design or circuitry of the product should not be made. Any design alterations of the product should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer of responsibility for personal injury or property damage resulting therefrom.
- (3) Many electrical and mechanical parts in the products have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the Parts List of Service Manual. Electrical components having such features are identified by shading on the schematics and by (Δ) on the Parts List in the Service Manual. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement parts shown in the Parts List of Service Manual may create shock, fire, or other hazards.
- (4) The leads in the products are routed and dressed with ties, clamps, tubings, barriers and the like to be separated from live parts, high temperature parts, moving parts and/or sharp edges for the prevention of electric shock and fire hazard. When service is required, the original lead routing and dress should be observed, and it should be confirmed that they have been returned to normal, after reassembling.
- (5) Leakage shock hazard testing

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

 - Plug the AC line cord directly into the AC outlet. Using a "Leakage Current Tester", measure the leakage current from each exposed metal part of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground. Any leakage current must not exceed 0.5mA AC (r.m.s.).
 - Alternate check method
Plug the AC line cord directly into the AC outlet. Use an AC voltmeter having, 1,000 Ω per volt or more sensitivity in the following manner. Connect a 1,500 Ω 10W resistor paralleled by a 0.15 μ F AC-type capacitor between an exposed metal part and a known good earth ground. Measure the AC voltage across the resistor with the AC

voltmeter.

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



1.2 Warning

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

1.3 Caution

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

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

1.4 Critical parts for safety

In regard with component parts appearing on the silk-screen printed side (parts side) of the PWB diagrams, the parts that are printed over with black such as the resistor (\blacksquare), diode (\blacksquare) and ICP (\bullet) or identified by the " Δ " mark nearby are critical for safety. When replacing them, be sure to use the parts of the same type and rating as specified by the manufacturer. (This regulation does not Except the J and C version)

1.5 Preventing static electricity

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

1.5.1 Grounding to prevent damage by static electricity

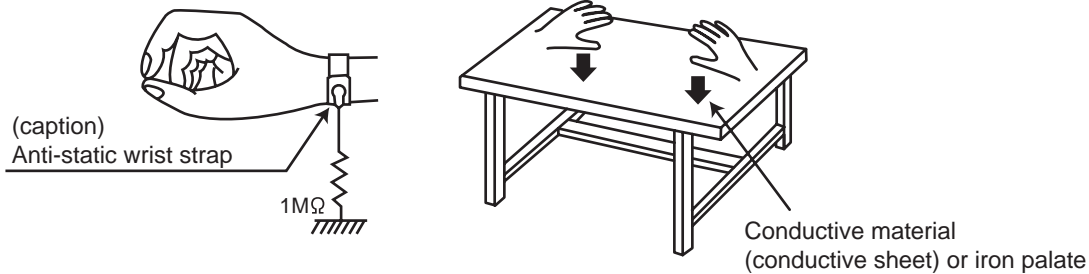
Static electricity in the work area can destroy the optical pickup (laser diode) in devices such as laser products. Be careful to use proper grounding in the area where repairs are being performed.

(1) Ground the workbench

Ground the workbench by laying conductive material (such as a conductive sheet) or an iron plate over it before placing the traverse unit (optical pickup) on it.

(2) Ground yourself

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



(3) Handling the optical pickup

- In order to maintain quality during transport and before installation, both sides of the laser diode on the replacement optical pickup are shorted. After replacement, return the shorted parts to their original condition. (Refer to the text.)
- Do not use a tester to check the condition of the laser diode in the optical pickup. The tester's internal power source can easily destroy the laser diode.

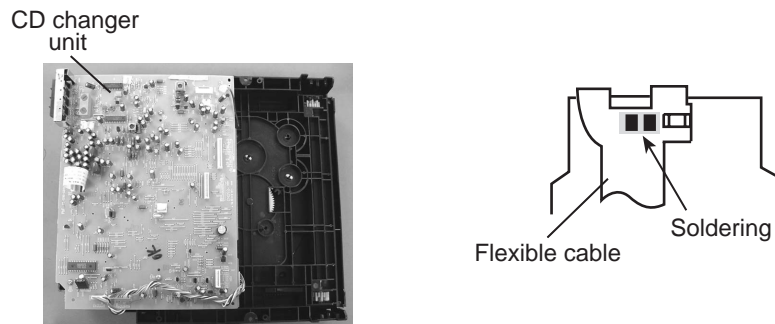
1.6 Handling the traverse unit (optical pickup)

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

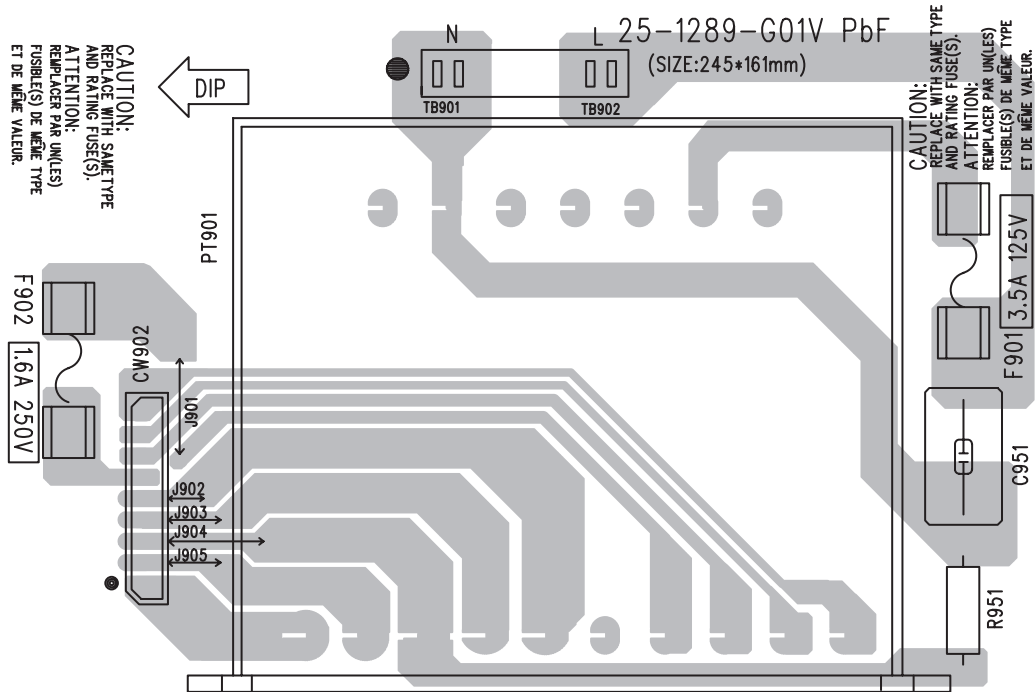
1.7 Attention when traverse unit is decomposed

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

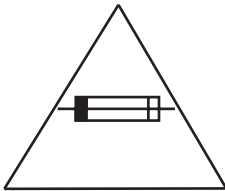
- Apply solder to the short land sections before the flexible wire is disconnected from the connector on the servo board. (If the flexible wire is disconnected without applying solder, the pickup may be destroyed by static electricity.)
- In the assembly, be sure to remove solder from the short land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



1.8 Importance administering point on the safety



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



Caution: For continued protection against risk of fire, replace only with same type 3.5A/125V for F901 and 1.6A/250V for F902. This symbol specifies type of fast operating fuse.

Précaution: Pour éviter risques de feux, remplacez le fusible de sûreté de F901 comme le même type que 3.5A/125V et F902 que 1.6A/250V .
Ce sont des fusibles sûretés qui fonctionnent rapide.

SECTION 2
SPECIFIC SERVICE INSTRUCTIONS

This service manual does not describe PRECAUTION.

SECTION 3 DISASSEMBLY

3.1 Main body

3.1.1 Removing the metal cover/ rear cover

(See Fig.1 to 5)

- (1) Remove the four screws **A** on the back of the body.
- (2) Remove the six screws **B** on the back of the body.
- (3) Remove the four screws **C** and the two screws **D** on both sides of the body.
- (4) Move the metal covers in the direction of the arrow with pulling them sideways, and release two joints **a** and six joints **b**.

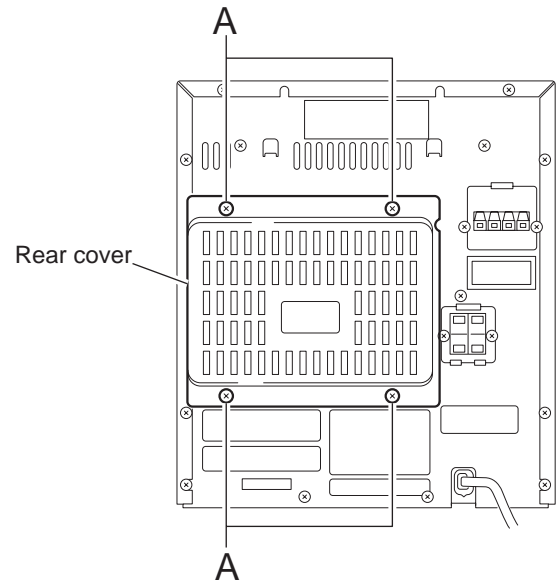


Fig.1

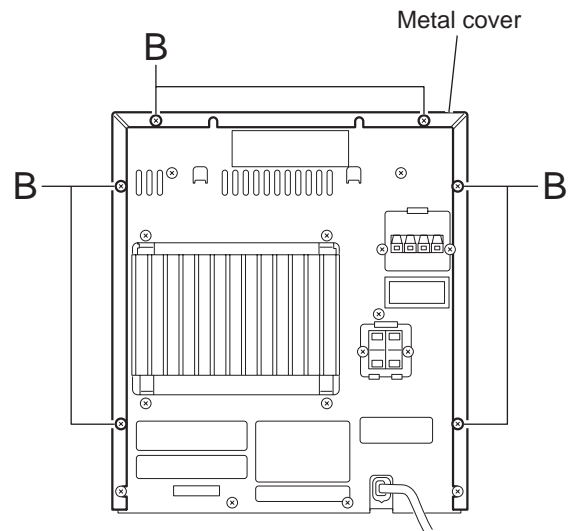


Fig.2

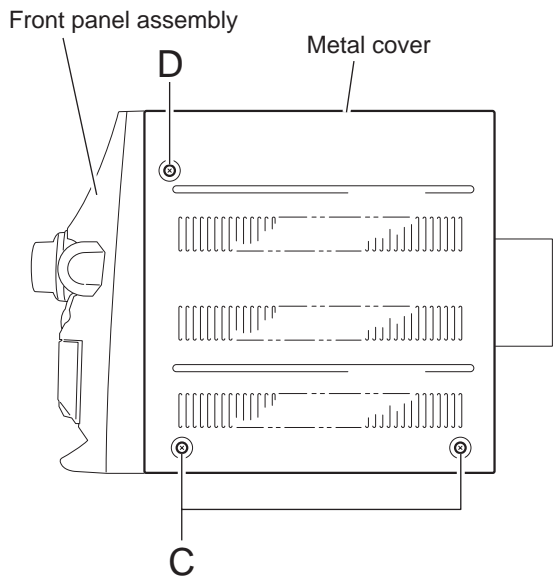


Fig.3

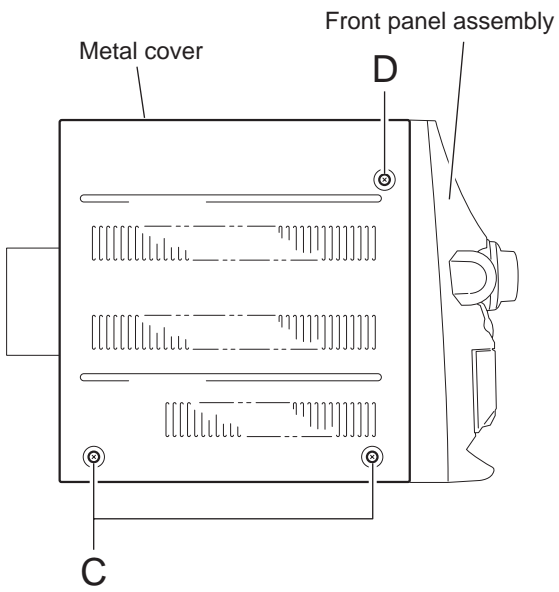


Fig.4

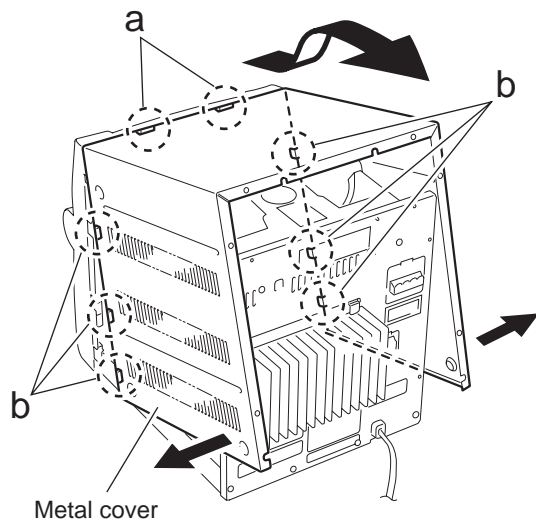


Fig.5

3.1.2 Removing the CD fitting (See Fig.6 to 8)

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

Caution:

For protecting the CD fitting from damage, remove it before detaching the CD changer mechanism unit.

- (1) Push STANDBY/ON key to turn on the power.
- (2) Push CD tray eject key.
- (3) Move the CD fitting in the direction of the arrow to release two joints **d** of the CD tray.
- (4) Push STANDBY/ON key to close the tray.

3.1.3 Removing the CD fitting (See Fig.7 to 9)

[How to eject the CD tray without turning on the power]

- Prior to performing the following procedure, remove the metal cover/ rear cover.
- (1) Turn the loading pulley gear on the bottom of the CD changer mechanism unit (part **e**) as shown in the figure to move the CD tray forward.
 - (2) Move the CD fitting in the direction of the arrow to release two joints **d**.
 - (3) Push and close the CD tray.

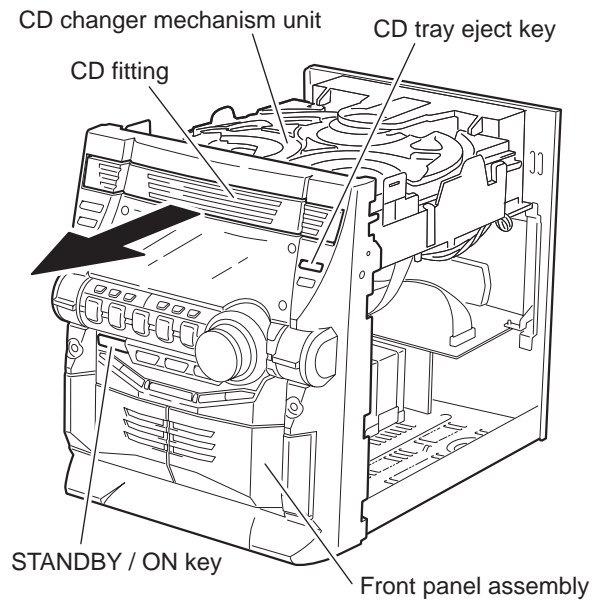


Fig.6

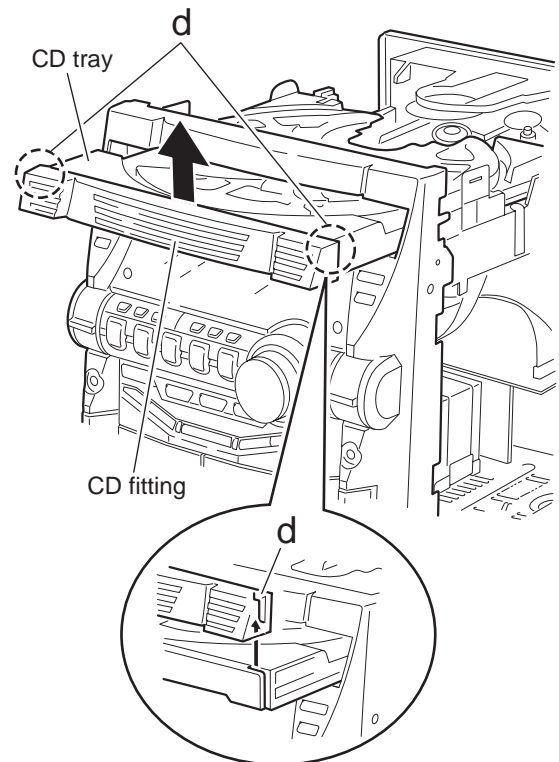


Fig.7

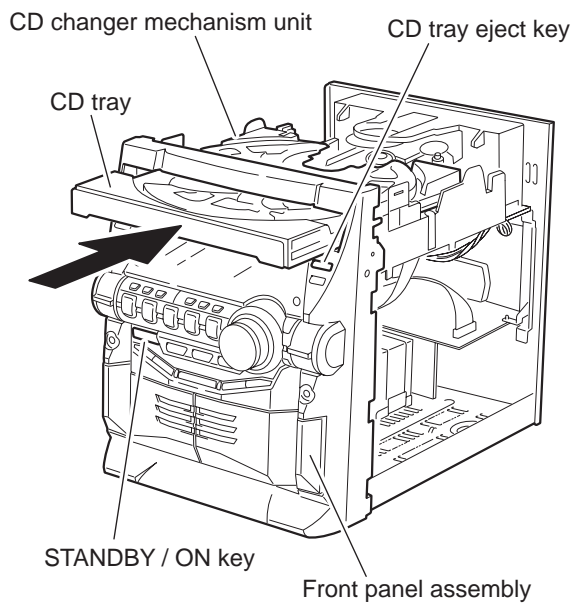


Fig.8

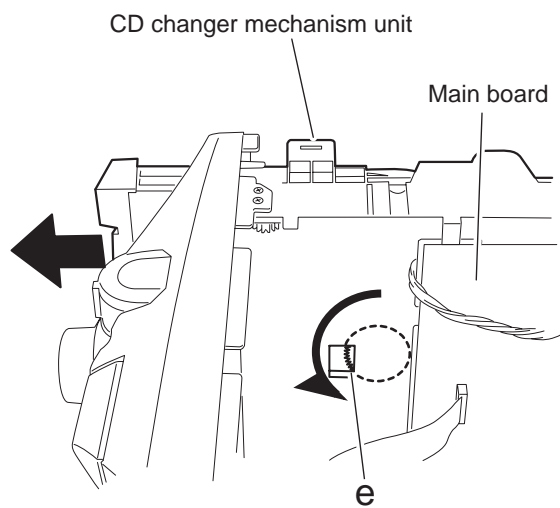
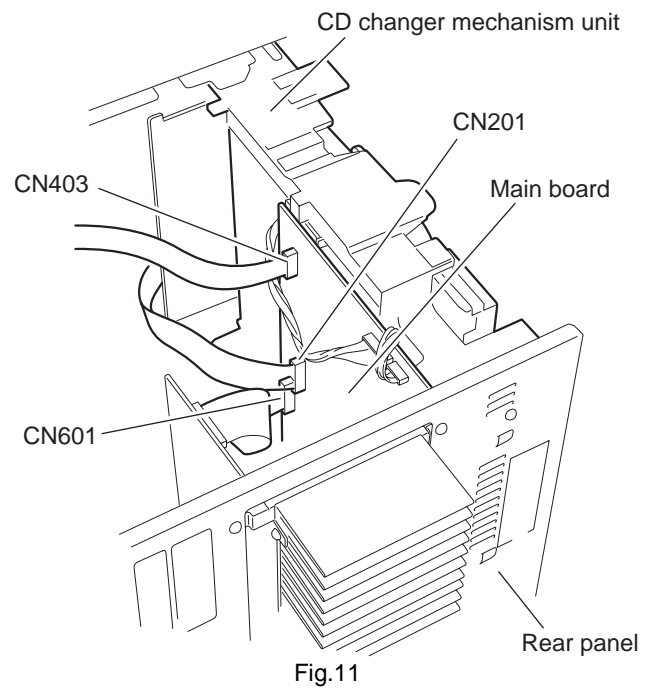
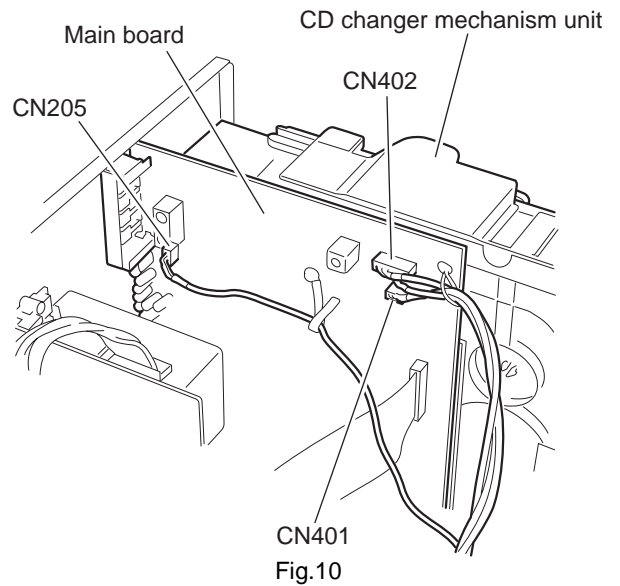
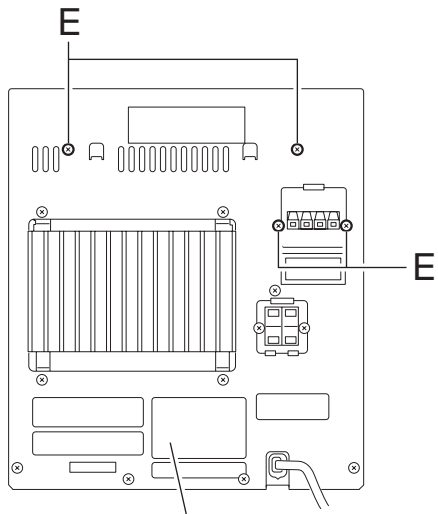


Fig.9

3.1.4 Removing the CD changer mechanism unit (See Fig.10 to 14)

- Prior to performing the following procedure, remove the metal cover/ rear cover and the CD fitting.
 - (1) From the bottom of the CD changer mechanism unit, disconnect the wire from connector [CN401](#), [CN402](#) and [CN205](#) on the main board.
 - (2) Disconnect the card wire from connector [CN403](#), [CN201](#) and [CN601](#) on the main board.
 - (3) From the back of the body, remove the four screws **E** attaching the CD changer mechanism unit.
 - (4) From the back of the body, remove the four screws **F** attaching the CD changer mechanism unit.
 - (5) Pulling the rear panel backward, move the CD changer mechanism unit in the direction of the arrow and remove.





Rear panel
Fig.12

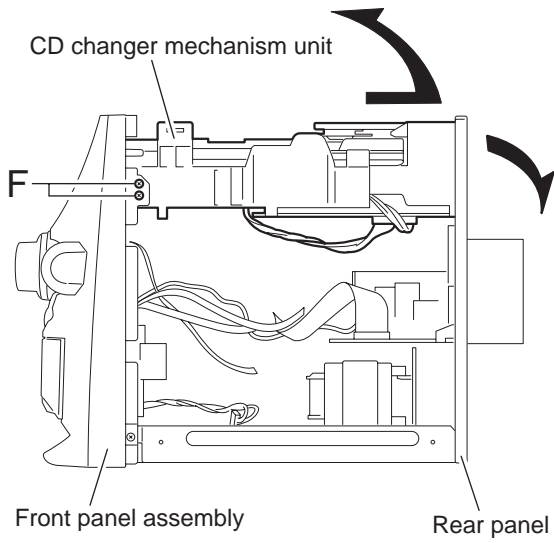


Fig.13

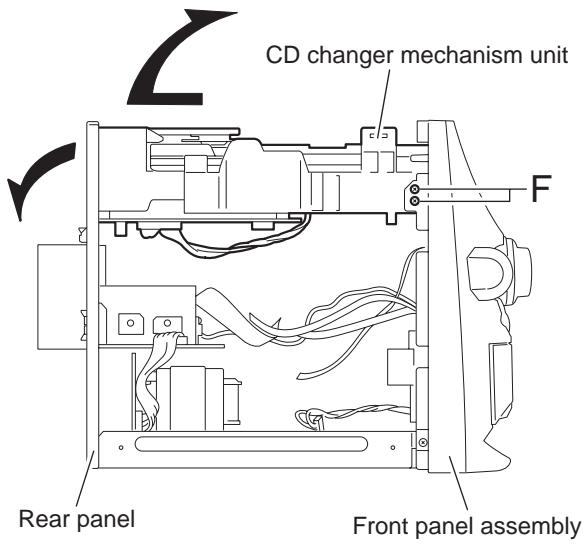


Fig.14

3.1.5 Removing the power board (See Fig.15 to 19)

- Prior to performing the following procedure, remove the metal cover/ rear cover, the CD fitting and the CD changer mechanism unit.
 - (1) Disconnect the wire from connector [CN903](#) and [CN202](#) on the power board.
 - (2) Disconnect the card wire from connector [CW601](#) on the power board.
 - (3) From the back of the body, remove the four screws **G** and the three screws **H** attaching the power board.
 - (4) Release the two tabs **f** from the notch of the rear panel. Move the power board in the direction of the arrow and remove frontward.
 - (5) From the bottom of the power board, remove the four screws **J** attaching the heat sink.
 - (6) Remove the two screws **K** attaching the heat sink.

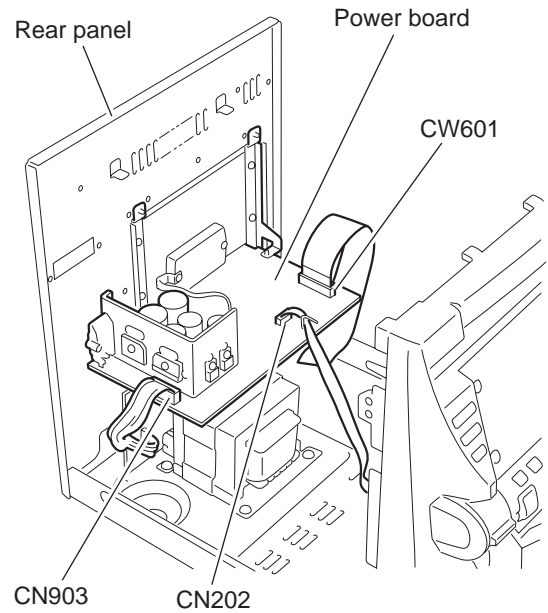


Fig.15

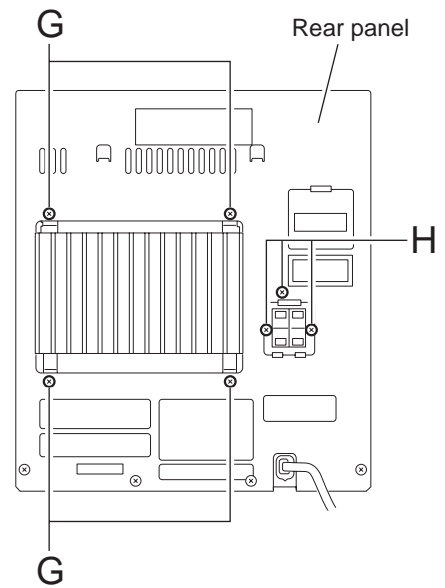


Fig.16

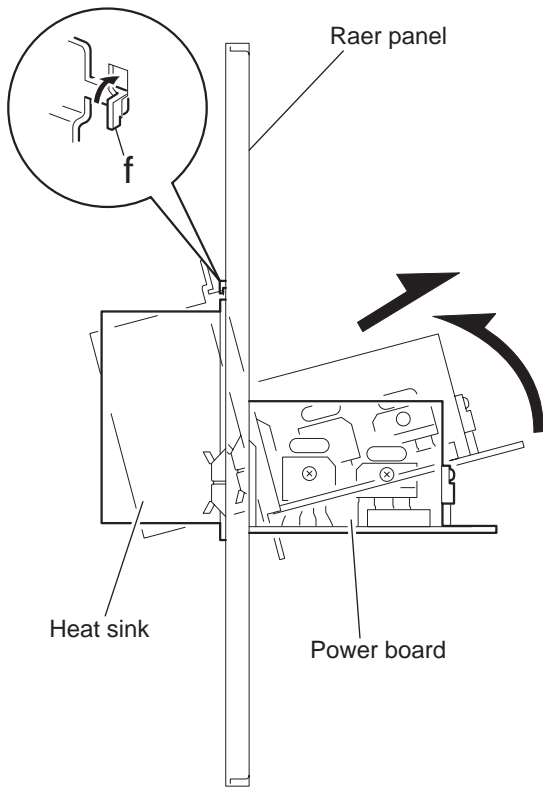


Fig.17

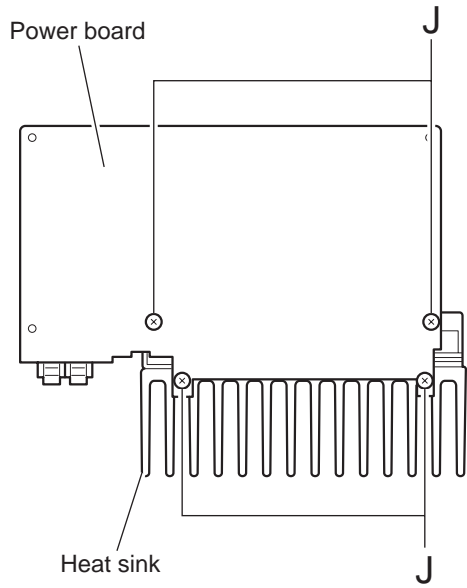


Fig.18

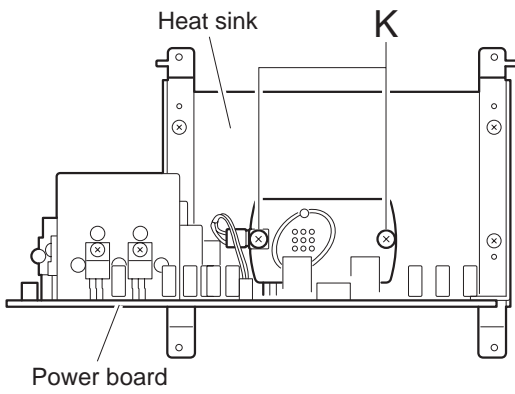
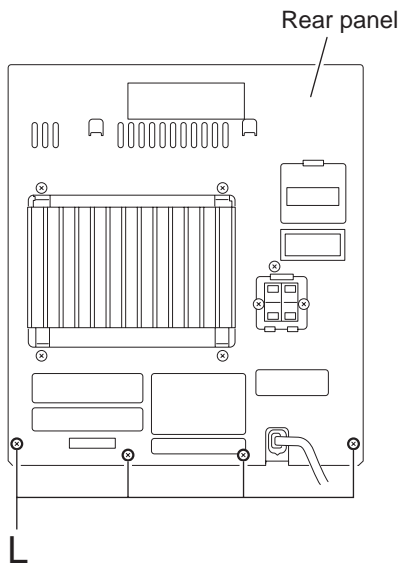
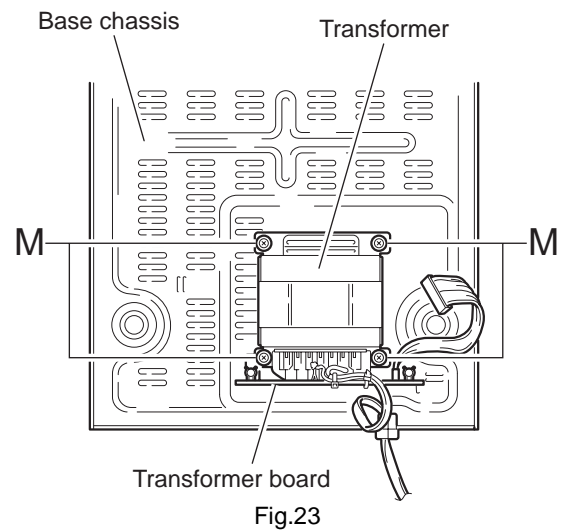
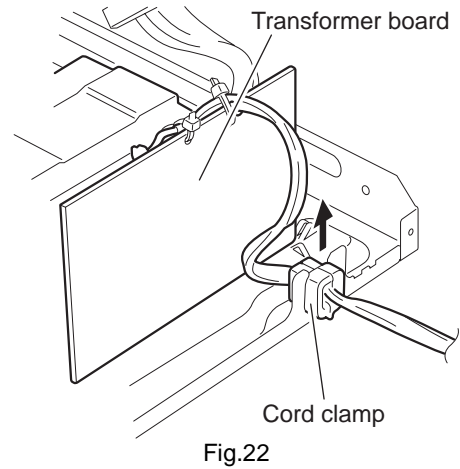
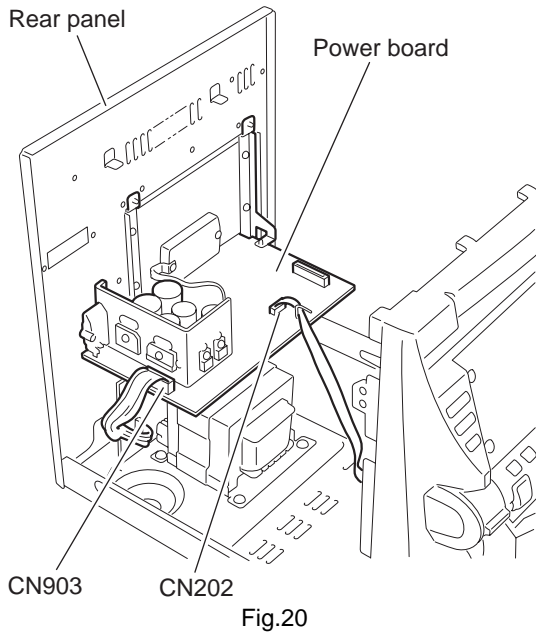


Fig.19

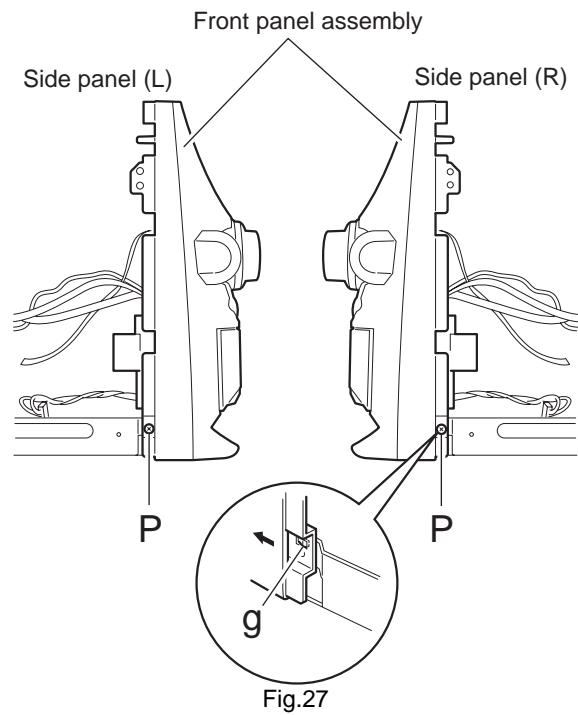
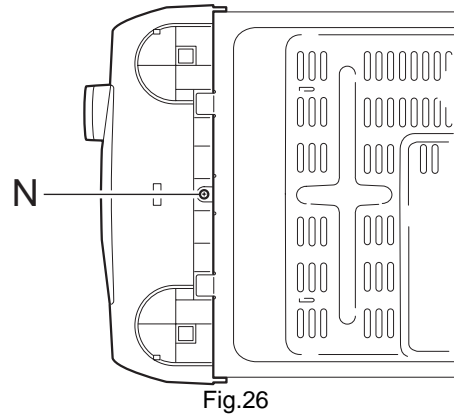
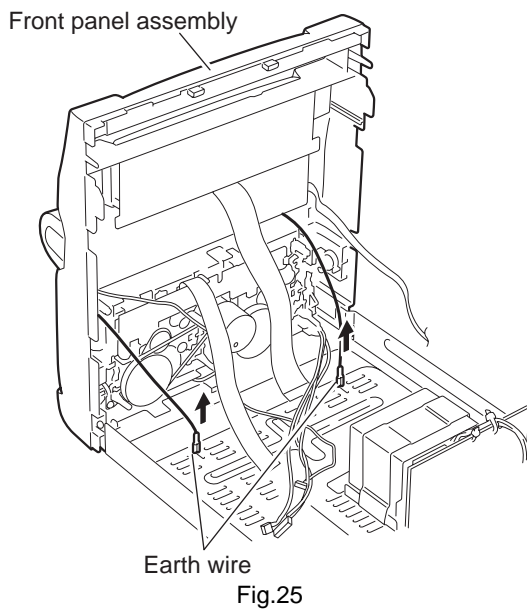
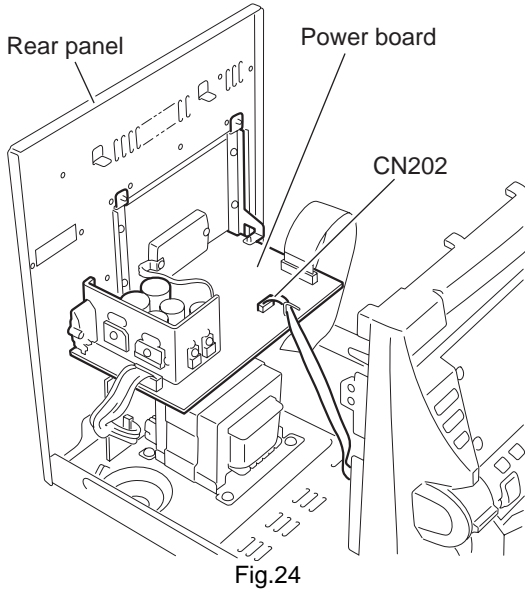
3.1.6 Removing the transformer board (See Fig.20 to 23)

- Prior to performing the following procedure, remove the metal cover/ rear cover, the CD fitting and the CD changer mechanism unit.
 - (1) Disconnect the wire from connector **CN903** and **CN202** on the power board.
 - (2) From the back of the body, remove the four screws **L** attaching the rear panel.
 - (3) Remove the cord clamp in the direction of the arrow.
 - (4) From the base chassis, remove the four screws **M** attaching the transformer.
 - (5) If necessary, unsolder the power cord and the wire extending from the power transformer assembly.



3.1.7 Removing the front panel assembly (See Fig.24 to 27)

- Prior to performing the following procedure, remove the metal cover, the CD fitting and the CD changer mechanism unit.
 - (1) Disconnect the wire from connector **CN202** on the power board.
 - (2) Disconnect the earth wire connected to the main base chassis.
 - (3) From the bottom of the body, remove the screw **N** attaching the front panel assembly.
 - (4) From each side of the body, remove the two screws **P** attaching the front panel assembly.
 - (5) Release joints **g** on each side of the body using a screwdriver. Remove the front panel assembly forward.



3.1.8 Removing the LCD board, CD tray eject switch board, REC select switch board and Operation board (See Fig.28 , 29)

- Prior to performing the following procedure, remove the front panel assembly.
 - (1) Pull out the volume knob on the front panel assembly.
 - (2) Remove the twenty-six screws **Q** attaching the LCD board, CD tray eject switch board, REC select switch board and Operation board.

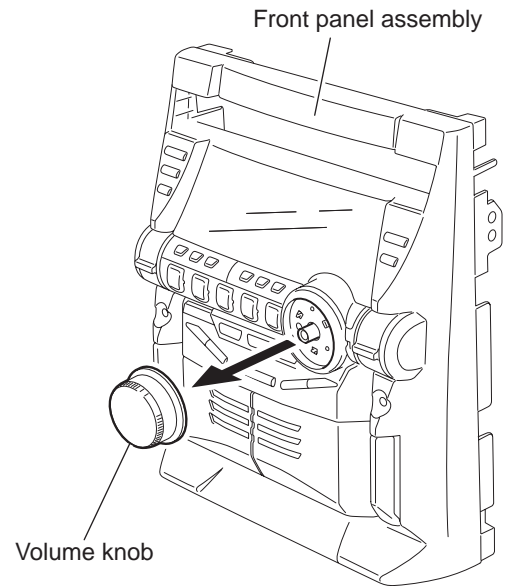


Fig.28

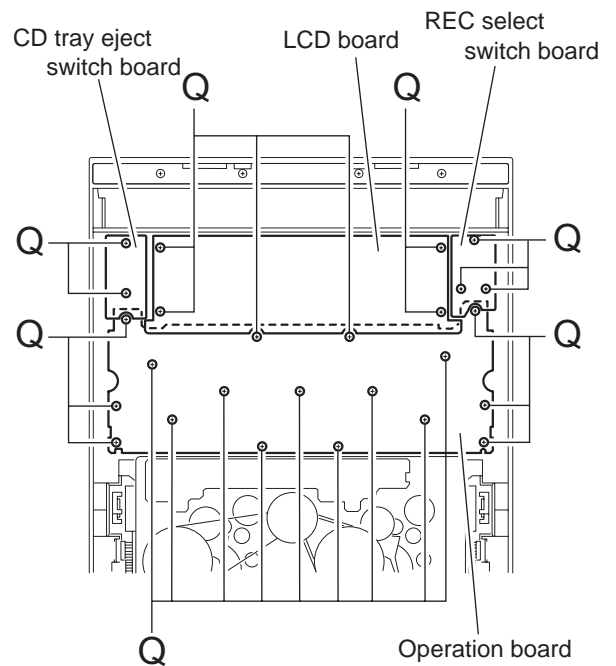


Fig.29

3.1.9 Removing the cassette mechanism assembly (See Fig.30)

- Prior to performing the following procedure, remove the front panel assembly.
 - (1) Remove the six screws **R** attaching the cassette mechanism assembly.

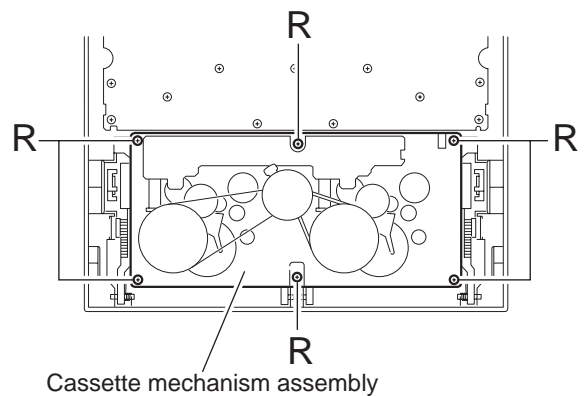


Fig.30

3.1.10 Removing the main board (See Fig.31 to 33)

- Prior to performing the following procedure, remove the metal cover/ rear cover, the CD fitting and the CD changer mechanism unit.

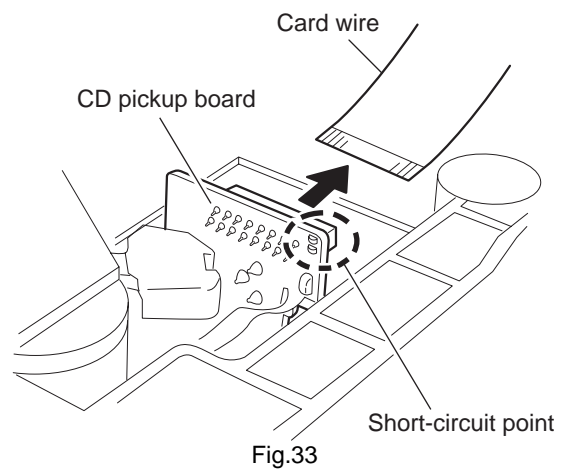
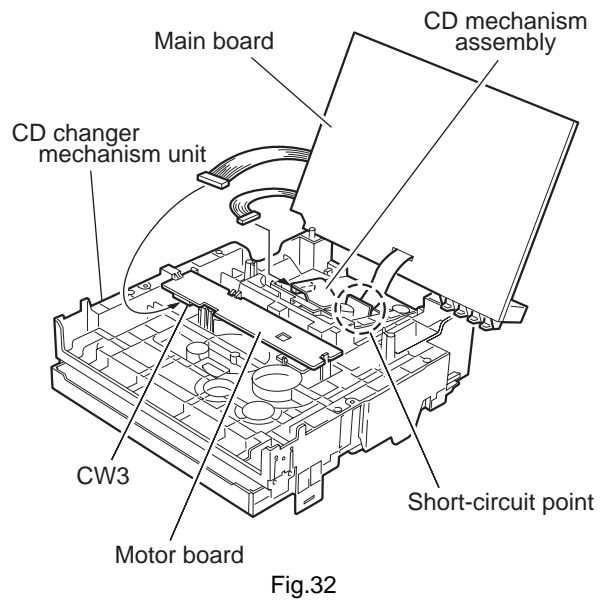
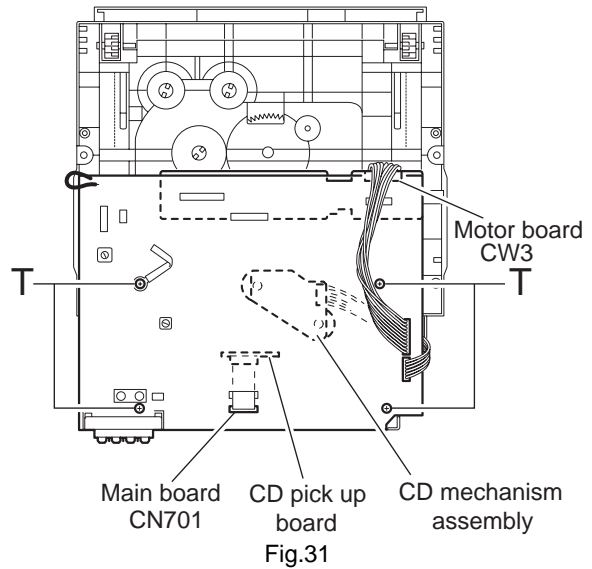
Caution:

Before disconnecting the card wire from connector [CN701](#) on the main board and the CD pickup board, make sure to solder the short-circuit point on the CD pickup board. If you do not follow this instruction, the pickup may be damaged.

- (1) Disconnect the wire from connector [CW3](#) on the motor board under the main board.
- (2) From the bottom of the CD changer mechanism unit, remove the four screws **T** attaching the main board.
- (3) Move the main board as shown in Fig.32 and disconnect the wire from the connector on the CD mechanism board.
- (4) Solder the short-circuit point on the CD pickup board and disconnect the card wire from the CD pickup board.

Caution:

When reattaching the main board, make sure to connect the card wire to connector [CN701](#) on the main board and the CD pickup board before unsoldering the short-circuit point.

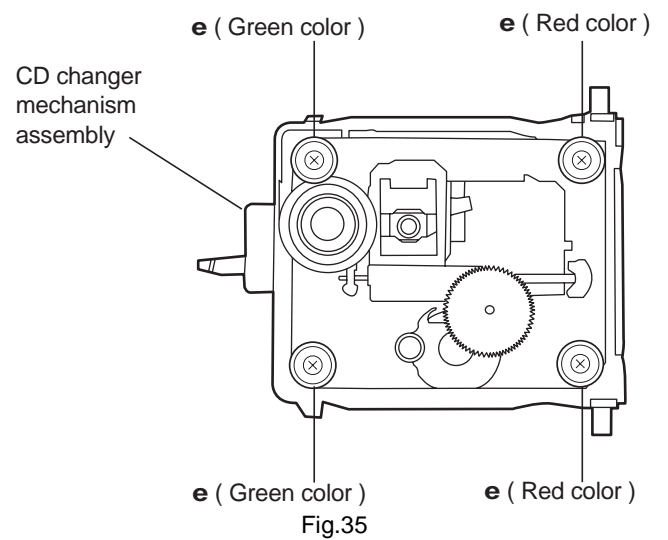
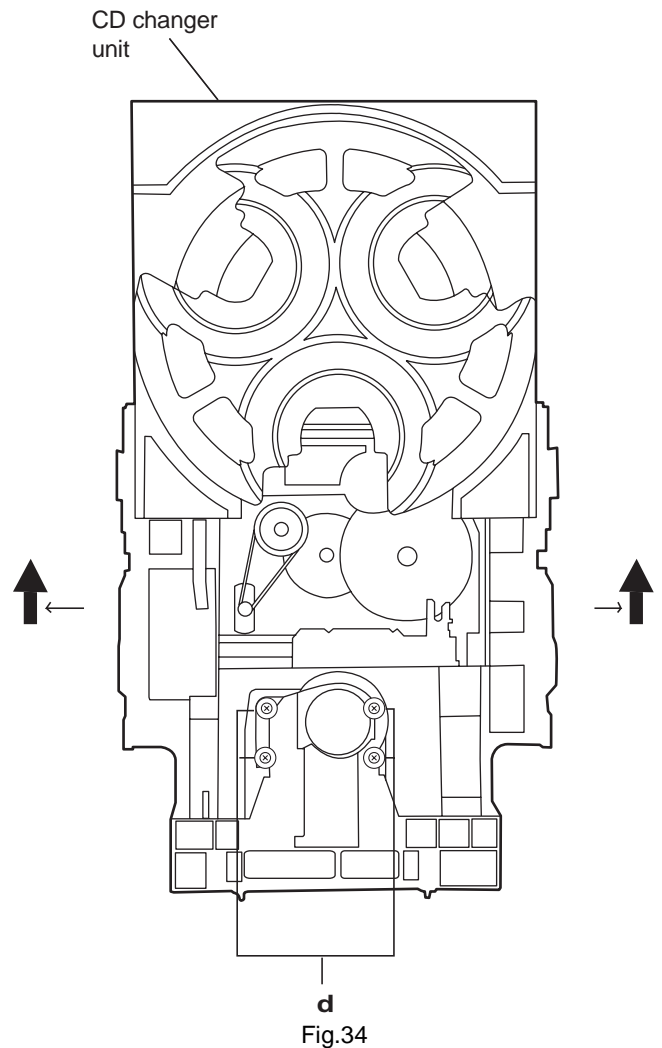


3.1.11 Removing the CD changer mechanism assembly (See Fig.34 to 35)

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

Caution:

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



3.1.12 Removing the CD pickup (See Fig.36)

- Prior to performing the following procedures, remove the top cover.
- Also remove the CD changer unit.
- Also remove the CD changer mechanism.
 - (1) Widen the section **f**.
 - (2) While keeping the section **f** wide open, push the section **g** in the direction of the arrow to remove the shaft, and then remove the CD pickup.

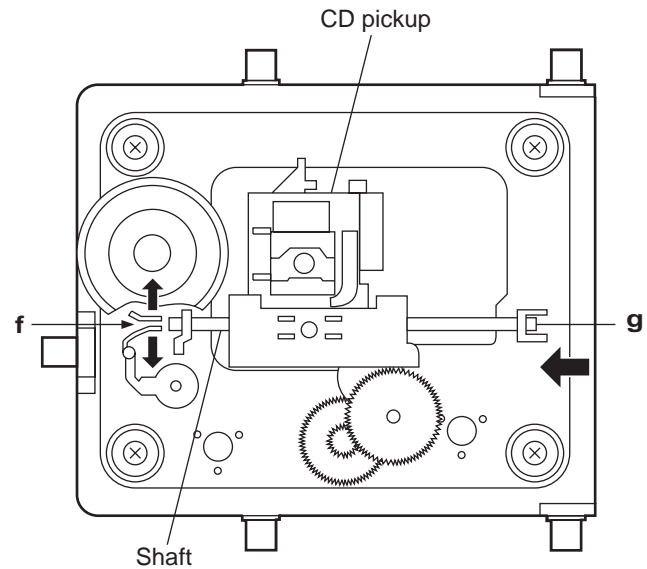


Fig.36

3.1.13 Replacing the loading motor and rotor belt of the CD changer (See Fig .37)

- Prior to performing the following procedures, remove the top cover.
- Also open the CD changer tray.
 - (1) Remove the two screws **L** retaining the CD changer tray loading motor.
 - (2) Remove the two screws **M** retaining the gear plate and take it out, after remove the rotor belt from the pulley.

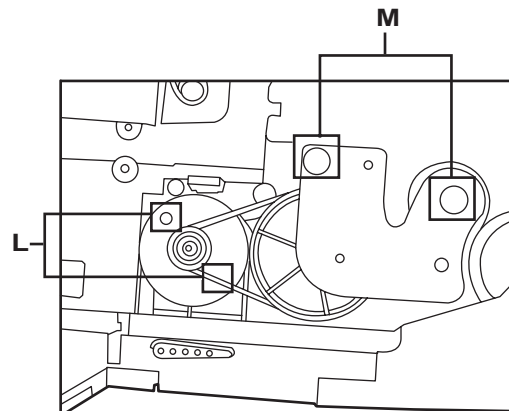


Fig.37

3.1.14 Replacing the CD turn table and removing the motor (See Fig.38)

- Prior to performing the following procedures, remove the top cover.
- Also remove the CD changer unit.
 - (1) Remove the one screws retaining the CD (Turn table).
 - (2) Remove the two screws 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 to remove.
 - (5) Remove the gear and after push out the tray motor locker and pull out the tray motor from the CD tray.

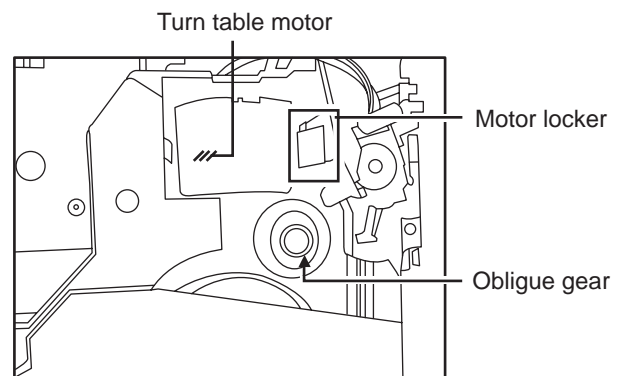


Fig.38

3.1.15 Removing the cassette deck main motor, and replacing the main belts (See Fig.39 and 40)

- Prior to performing the following procedures, remove the top cover and both sides board.
- Also remove the CD changer unit.
- Also remove the front panel assembly.
- (1) Remove six screws **Z** retaining the cassette deck mechanism. (Fig.39)
- (2) Remove the cassette deck mechanism.
- (3) Remove two screws **t** retaining the main motor from the front side of the cassette deck.

Caution:

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

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

Caution:

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

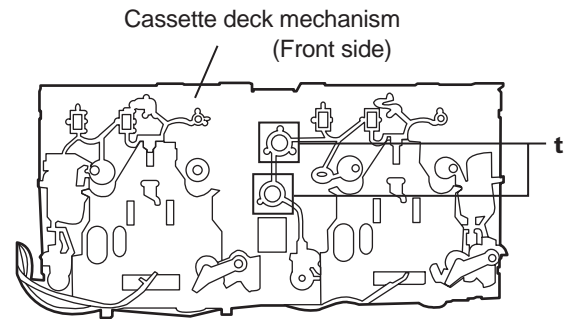


Fig.39

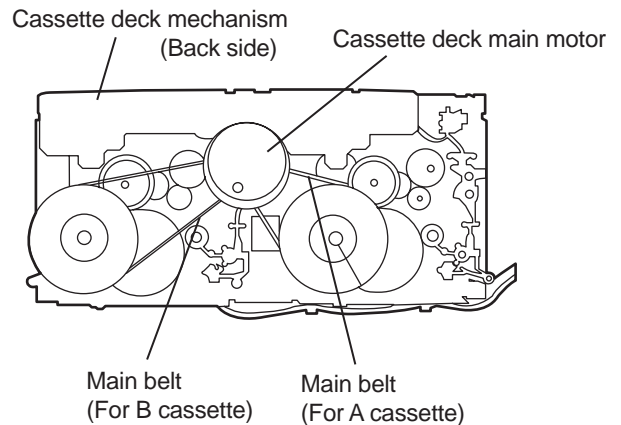


Fig.40

3.1.16 Removing the leaf switches of the cassette deck mechanism (See Fig. 39 and 41)

- Prior to performing the following procedures, remove the top cover and both sides board.
- Also remove the CD changer unit.
- Also remove the front panel assembly.
- (1) Remove the six screws **Z** that retain the cassette deck mechanism. (Fig.39)
- (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.

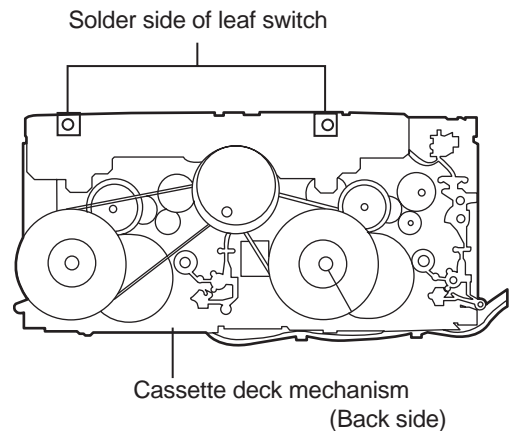


Fig.41

3.1.17 Removing the cassette deck heads (See Fig. 39 and 42)

- Prior to performing the following procedures, remove the top cover and both sides board.
- Also remove the CD changer unit.
- Also remove the front panel assembly.
 - (1) Remove six screws **Z** that retain the cassette deck mechanism. (Fig.39)
 - (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 screws **U** that retains the head.
 - (5) Remove screws **V** that retains the head.
 - (6) Hold the head and slide it in the direction of the arrow to remove it.

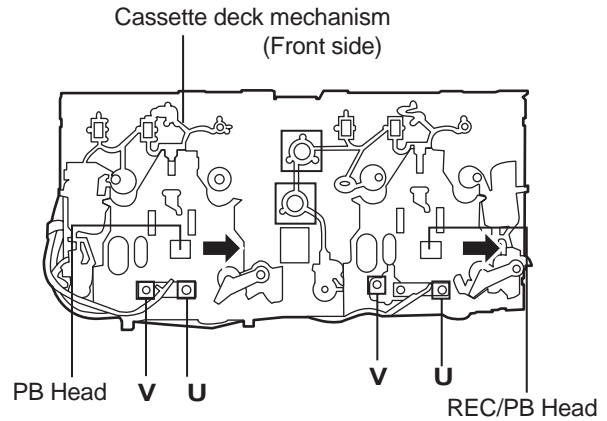


Fig.42

3.1.18 Removing the 3-pin regulator and bridge diode (See Fig. 43)

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

Remove two screws **A** that connect the heat sink.

 - (1) Remove two screws **A** that connect the heat sink.
 - (2) Remove two screws **W** that connect the heat sink.
 - (3) Remove the solder fixing the the 3-pin terminal regulator [Q604](#), [Q608](#).
 - (4) Remove the solder fixing the 4-pin bridge diode ([D614](#), [D615](#)).

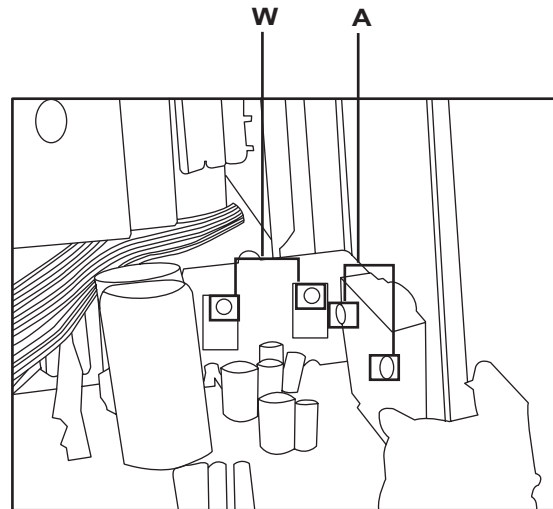


Fig.43

3.2 Speaker

3.2.1 Removing the front cabinet (See Fig.1, 2)

Caution:

Cover the product with cloth to avoid damage.

- (1) Insert a screwdriver into the two slots **h** at the bottom of the speaker and release the seven bosses on the inside of the front panel assembly toward the front.

Caution:

The seven bosses are attached with adhesion bond. Cover the product with cloth to avoid damage and release each boss slowly.

Reference:

Also the speaker wire extending from the main speaker comes off. Remove each speaker if necessary.

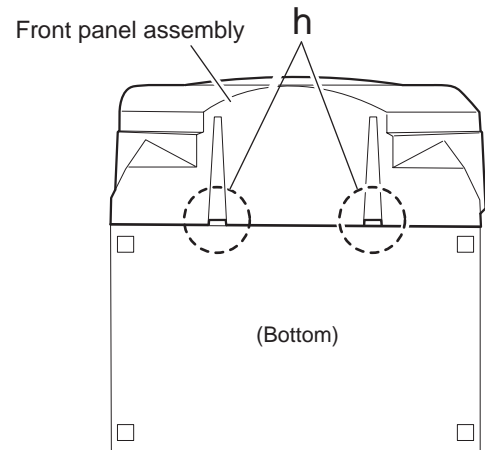


Fig.1

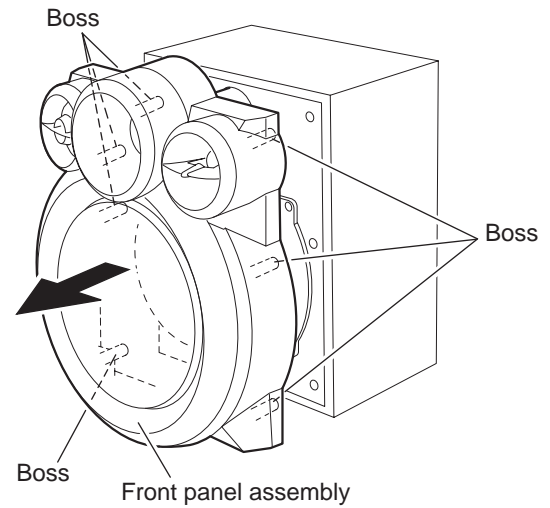


Fig.2

3.2.2 Removing the sub speaker/speaker (See Fig.3)

- Prior to performing the following procedure, remove the front cabinet.
 - (1) Disconnect the wire from the two sub speaker terminals.
 - (2) Remove the two screws **U** attaching the sub speaker.
 - (3) Detach the speaker, which is attached with bond.

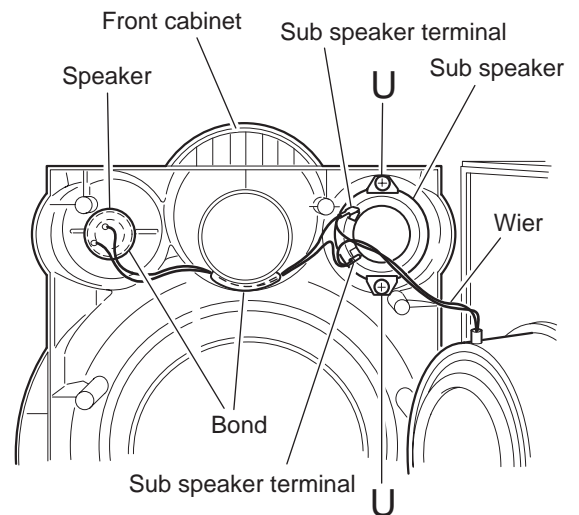


Fig.3

3.2.3 Removing the main speaker (See Fig.4)

- Prior to performing the following procedure, remove the front cabinet.
 - (1) Remove the four screws **V** attaching the main speaker.
If necessary, disconnect the wire connected to the sub speaker terminal and the speaker.

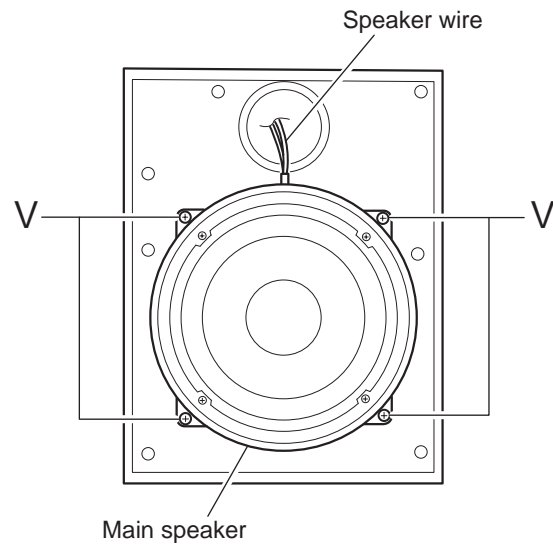


Fig.4

SECTION 4 ADJUSTMENT

4.1 Measurement Instruments Required for Adjustment

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

4.2 Measurement conditons

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

4.3 Radio Input signal

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

4.4 Frequency Range

AM	530kHz - 1710kHz
FM	87.5MHz - 108MHz

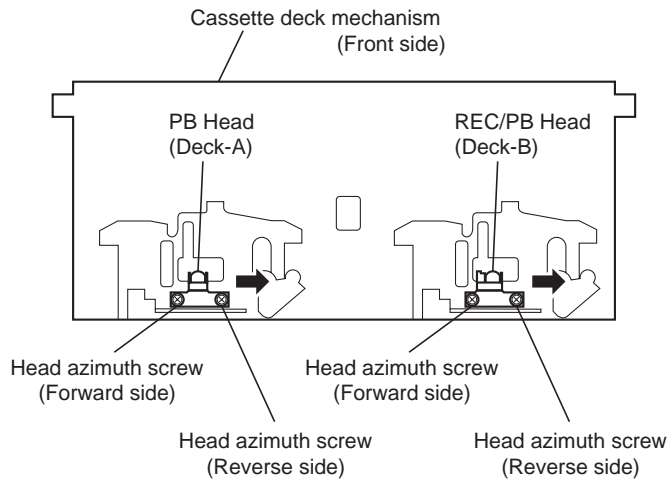
4.5 Standard measurement position of volume and switch

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

Precautions for measurement

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

4.6 Arrangement of adjusting positions



4.6.1 Tape recorder section

Items	Measurement conditions	Measurement method	Standard values	Adjusting positions
Head azimuth alignments	Test tape : VT703 (10kHz) Measurement output terminal : Left and Right speaker output (6-ohm loaded) or H/P output (32-ohm loaded)	<ol style="list-style-type: none"> 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.
Bias frequency alignment	Test tape : TYPE I AC-514 Measurement output terminal : E. head terminal (CN308 8-Pin)	<ol style="list-style-type: none"> 1. Insert the recording tape in deck-B. 2. Starting the recording. 3. Adjust the oscillation frequency to 80kHz\pm3kHz by core of oscillation coil of L301. 	80kHz \pm 3kHz	Use the High-Impedance Probe or Frequency counter input.

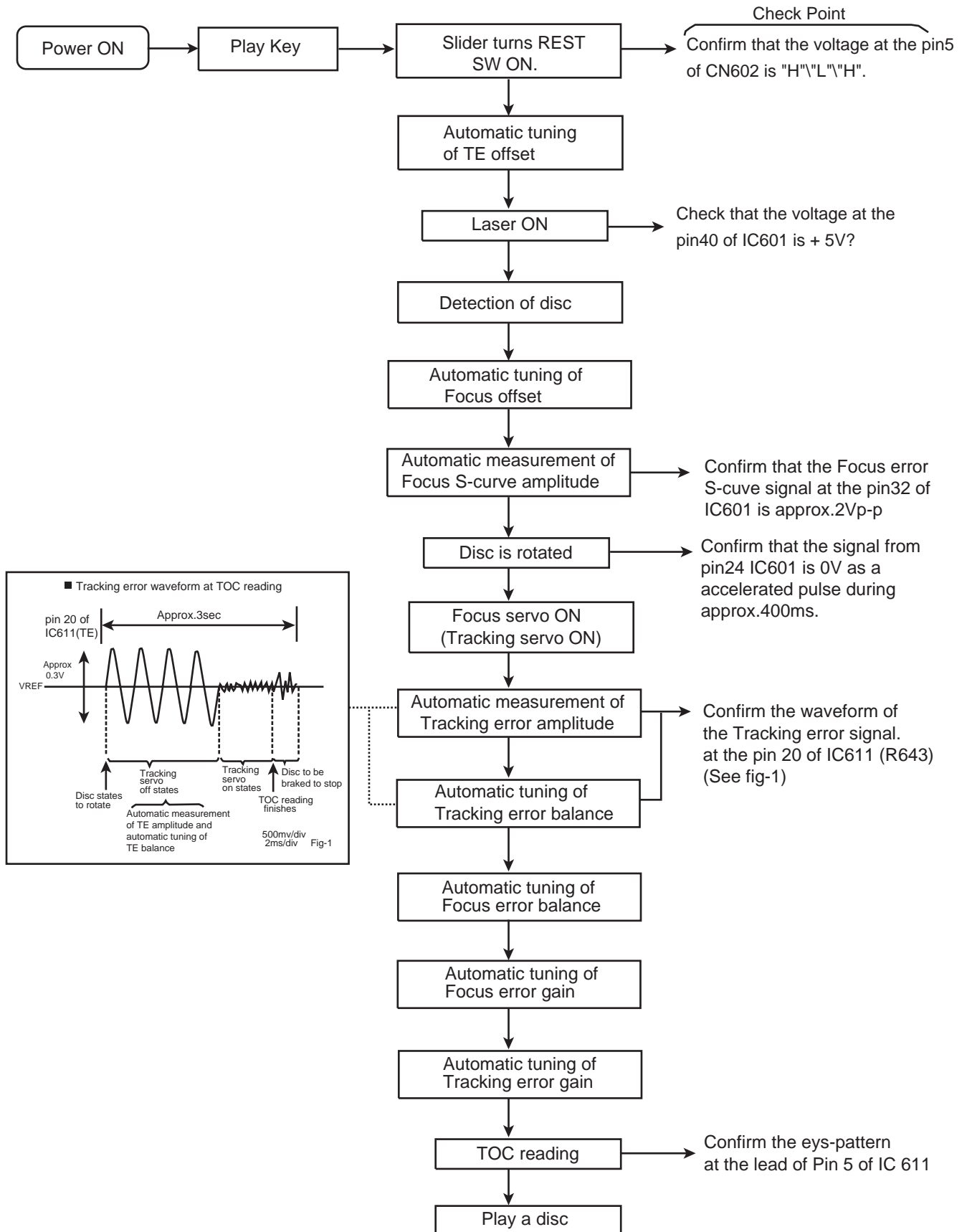
4.6.2 Tuner section

Items	Measurement conditions	Measurement method	Standard values	Adjusting positions
AM Tracking alignments	Input signal : 530kHz 600kHz Adjustment point : Antenna coil (L2)	<ol style="list-style-type: none"> 1. Set the Signal Generator signal to 530kHz the feed to Loop Antenna. 2. Receiving the signal and the adjust the OSC coil (L2) obtain the V.T is 1.40V \pm0.05V. 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 Adjustment point : IFT (T1)	<ol style="list-style-type: none"> 1. Set the receiving frequency to 530kHz. 2. Feed the 450kHz signal to AM antenna input. 3. Adjust the IFT Block T1 obtain to maximum output. (Adjust the SSG output to out of AGC range.) 	Maximum output	Adjust the IFT only when the IFT block has been changed.

Note: The adjustment of CD section is not required.

SECTION 5 TROUBLESHOOTING

5.1 Flow of functional operation until TOC read



5.2 Maintenance of laser pickup

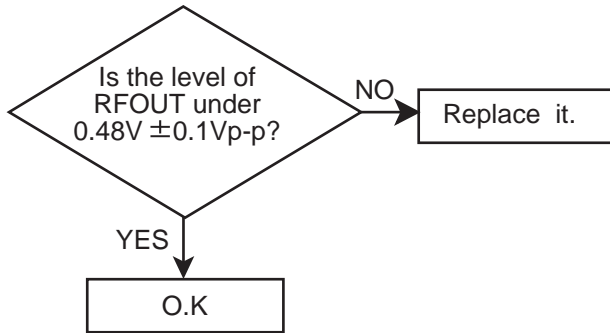
(1) Cleaning the pick up lens

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.

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



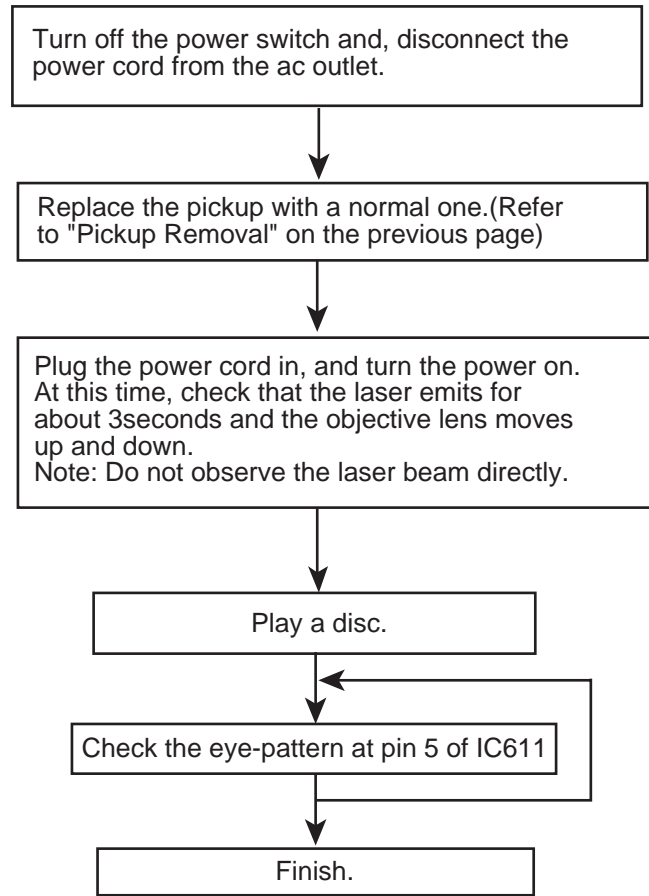
(3) Semi-fixed resistor on the APC PC board

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.

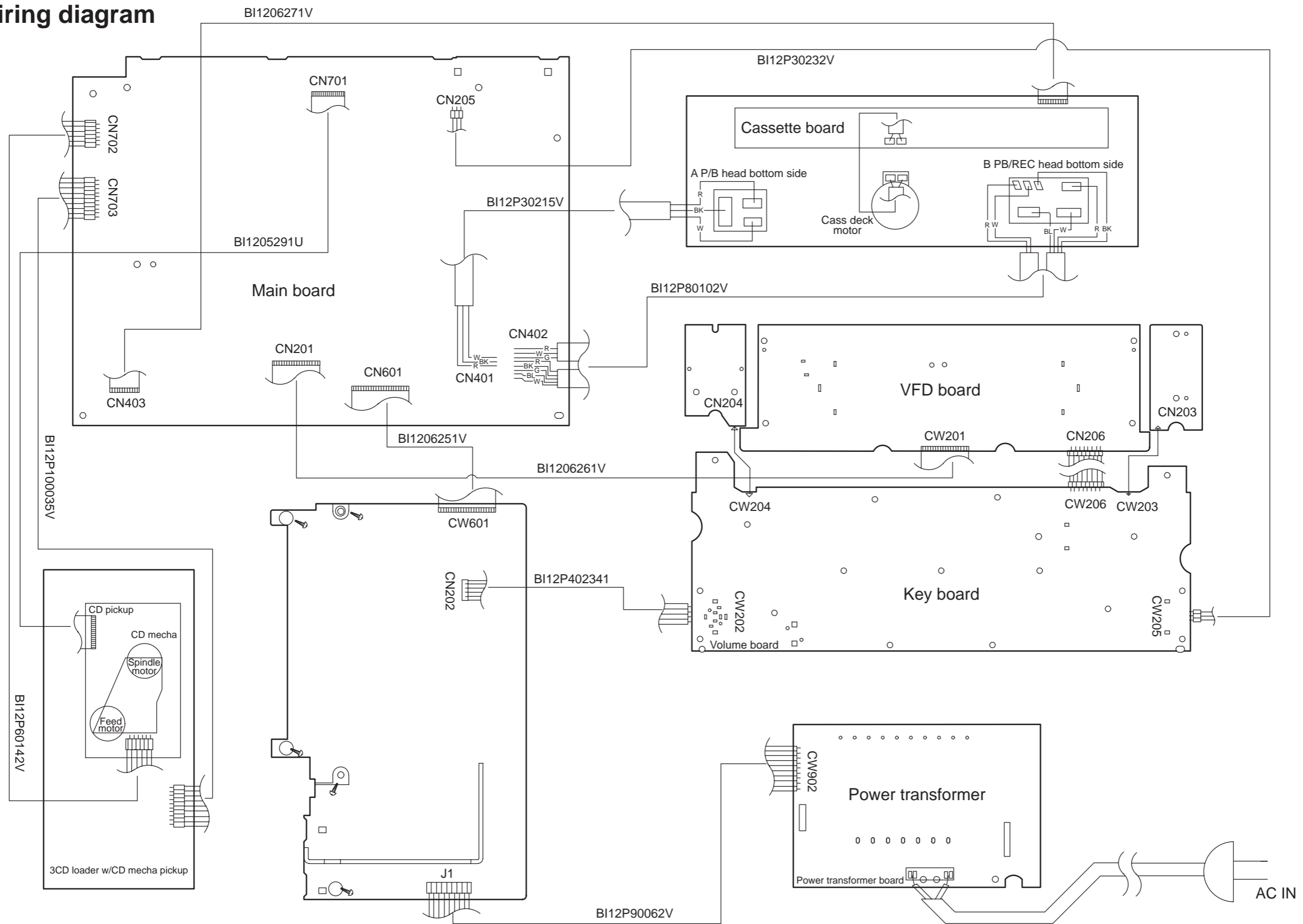
If the laser power is lower than the specified value, the laser diode is almost worn out, and the laser pickup should be replaced.

If the semi-fixed resistor is adjusted while the pickup is functioning normally, the laser pickup may be damaged due to excessive current.

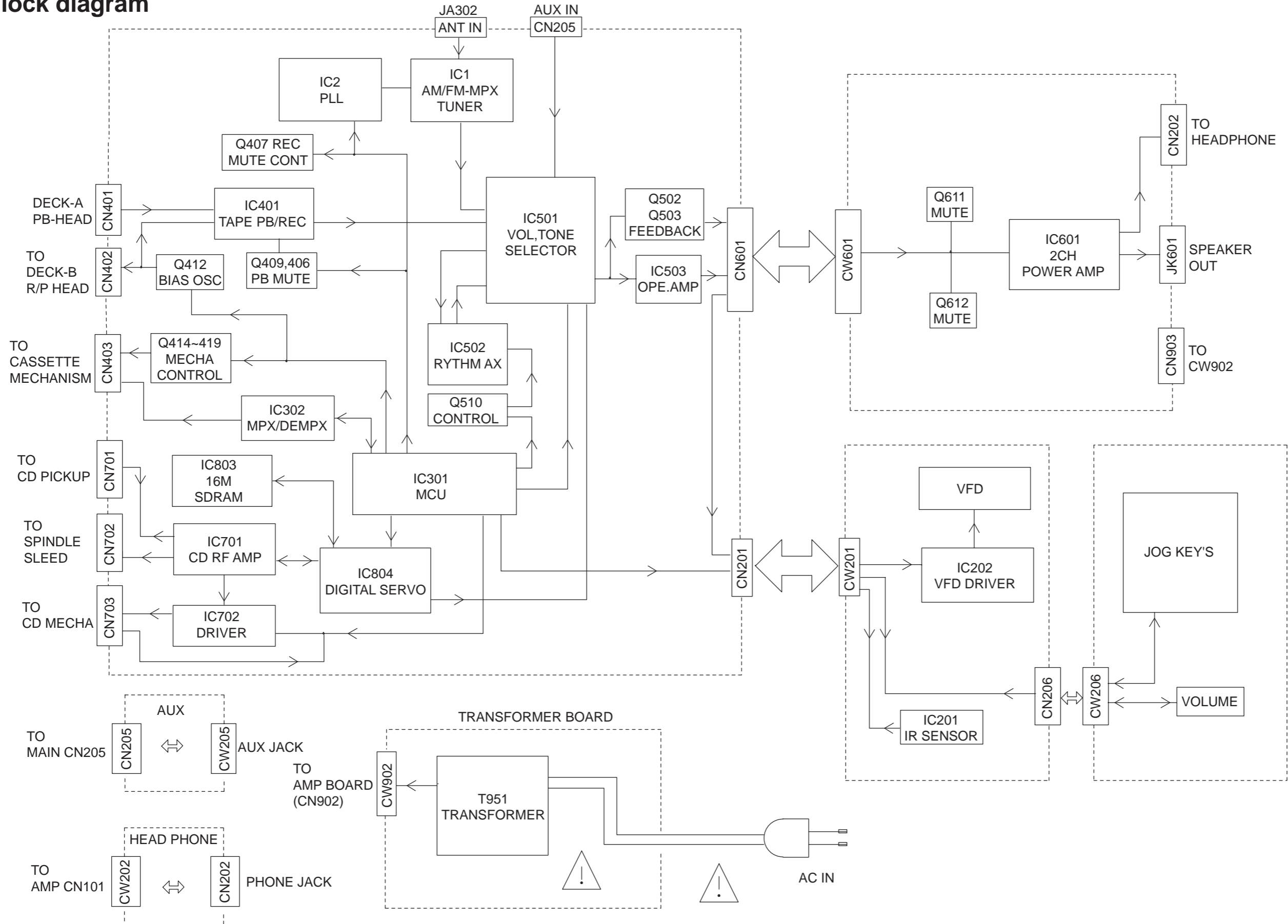
5.3 Replacement of laser pickup



Wiring diagram

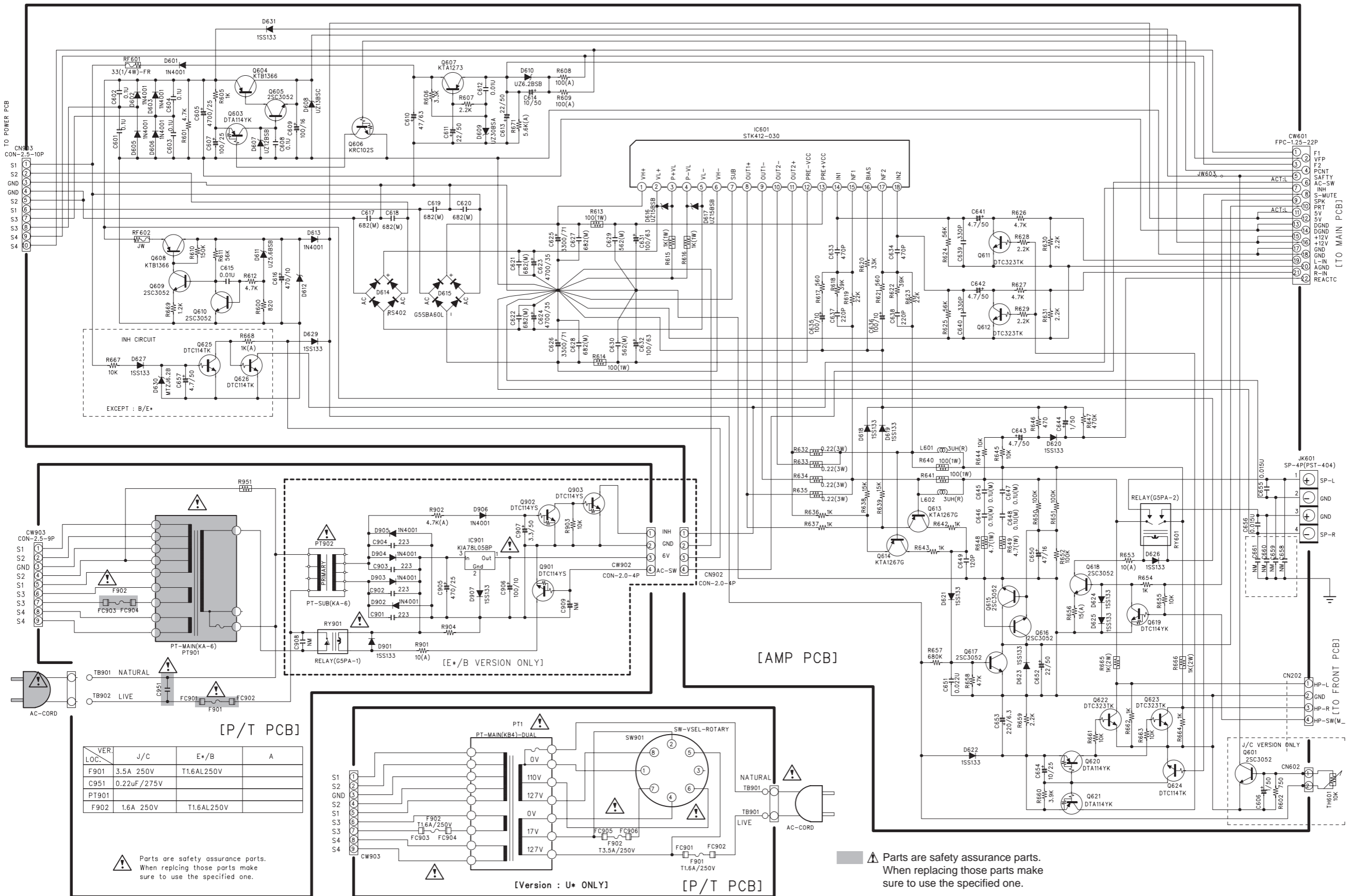


Block diagram

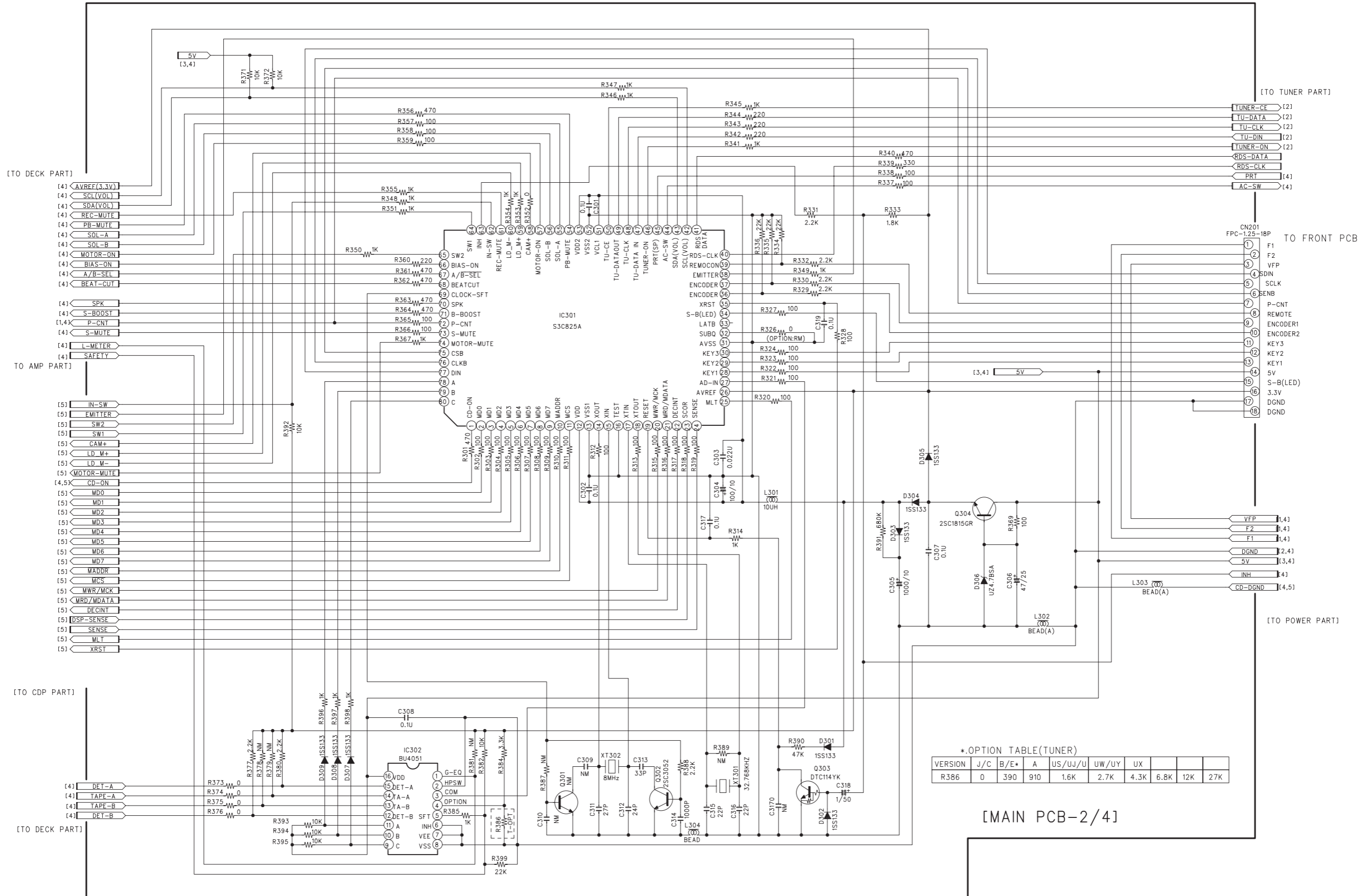


Standard schematic diagrams

■ CDP/AMP POWER section



■ CPU section

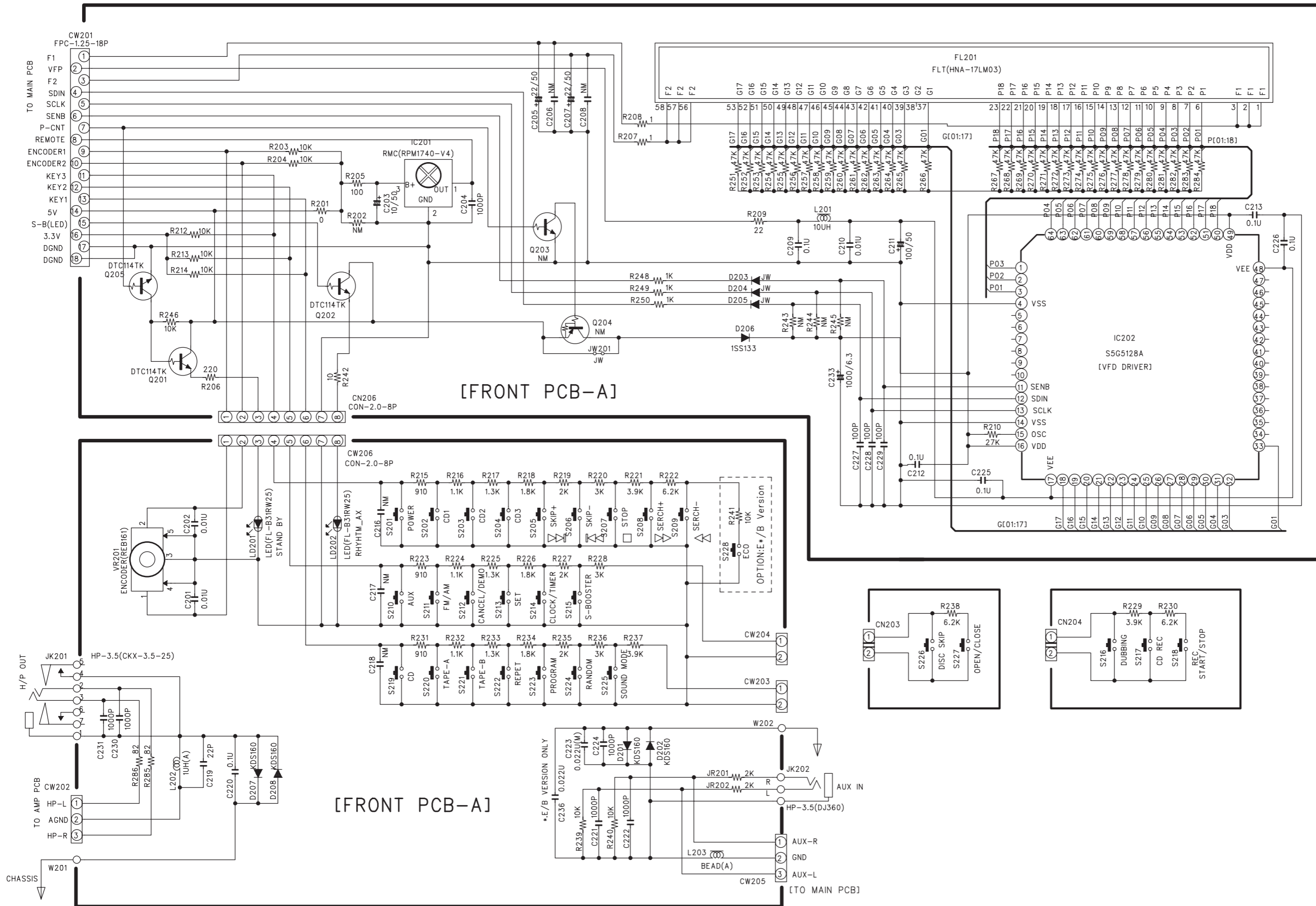


*.OPTION TABLE(TUNER)

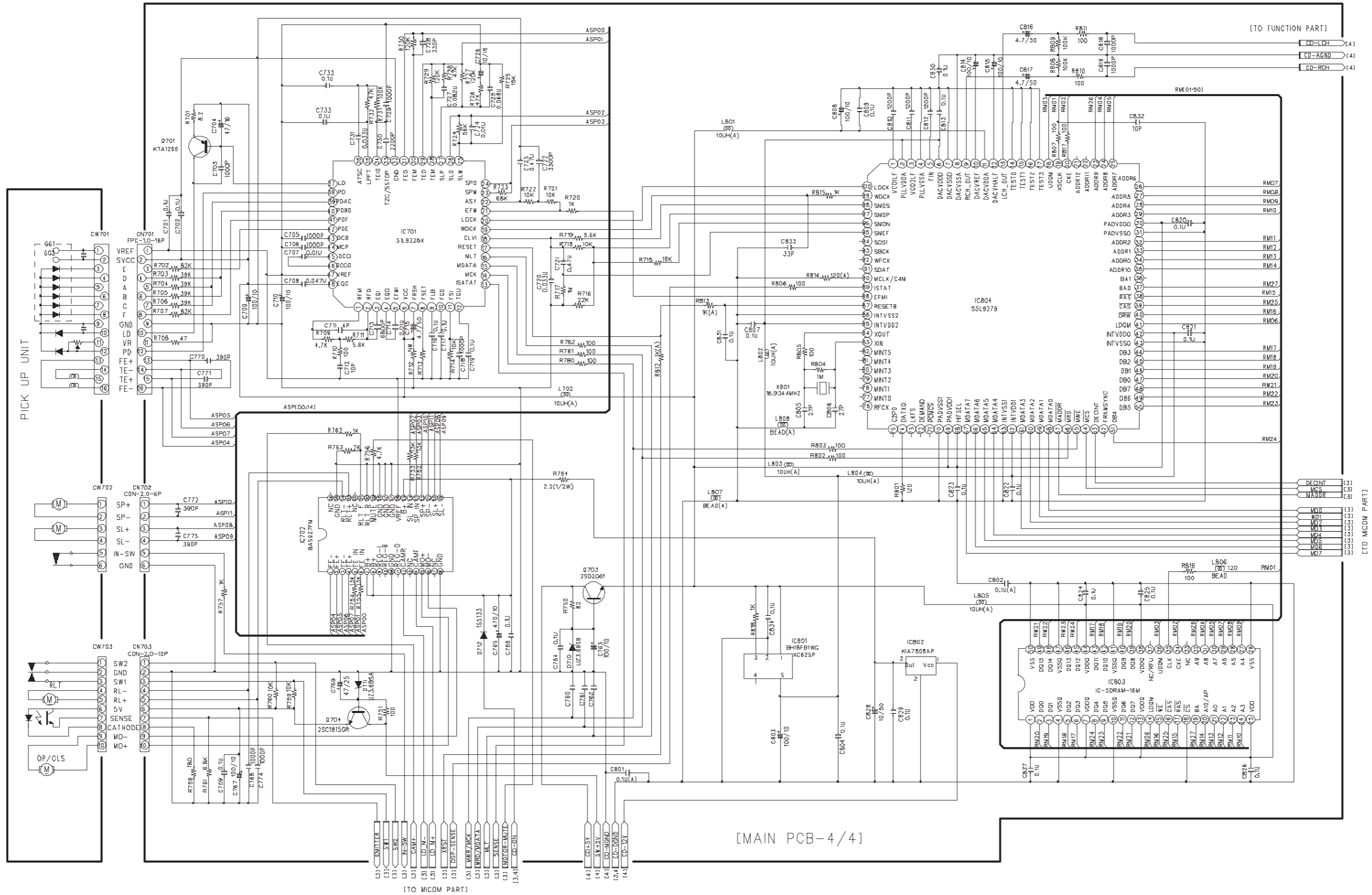
VERSION	J/C	B/E*	A	US/UJ/U	UW/UY	UX			
R386	0	390	910	1.6K	2.7K	4.3K	6.8K	12K	27K

[MAIN PCB-2/4]

■ FL / Key control section

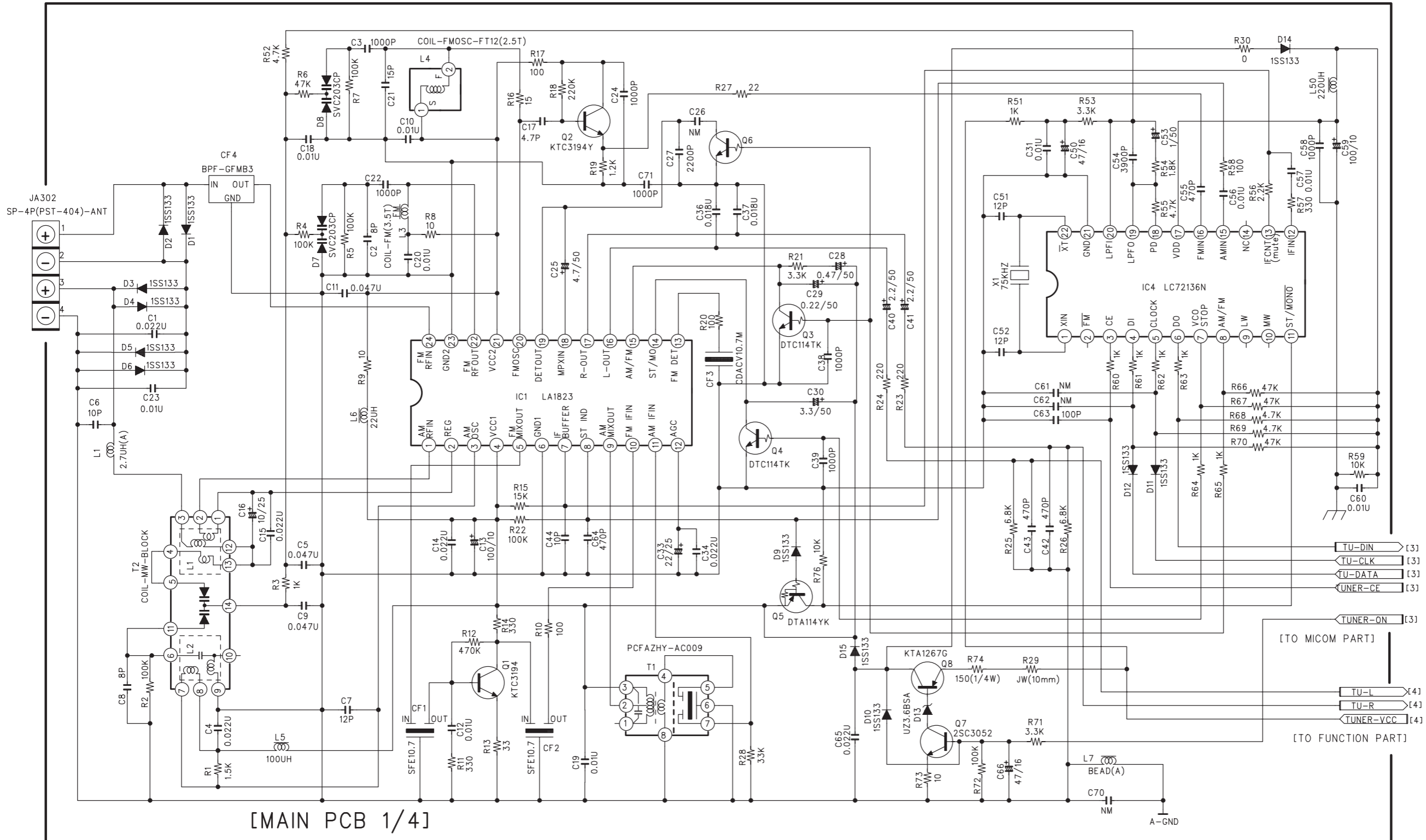


CD MP3 section

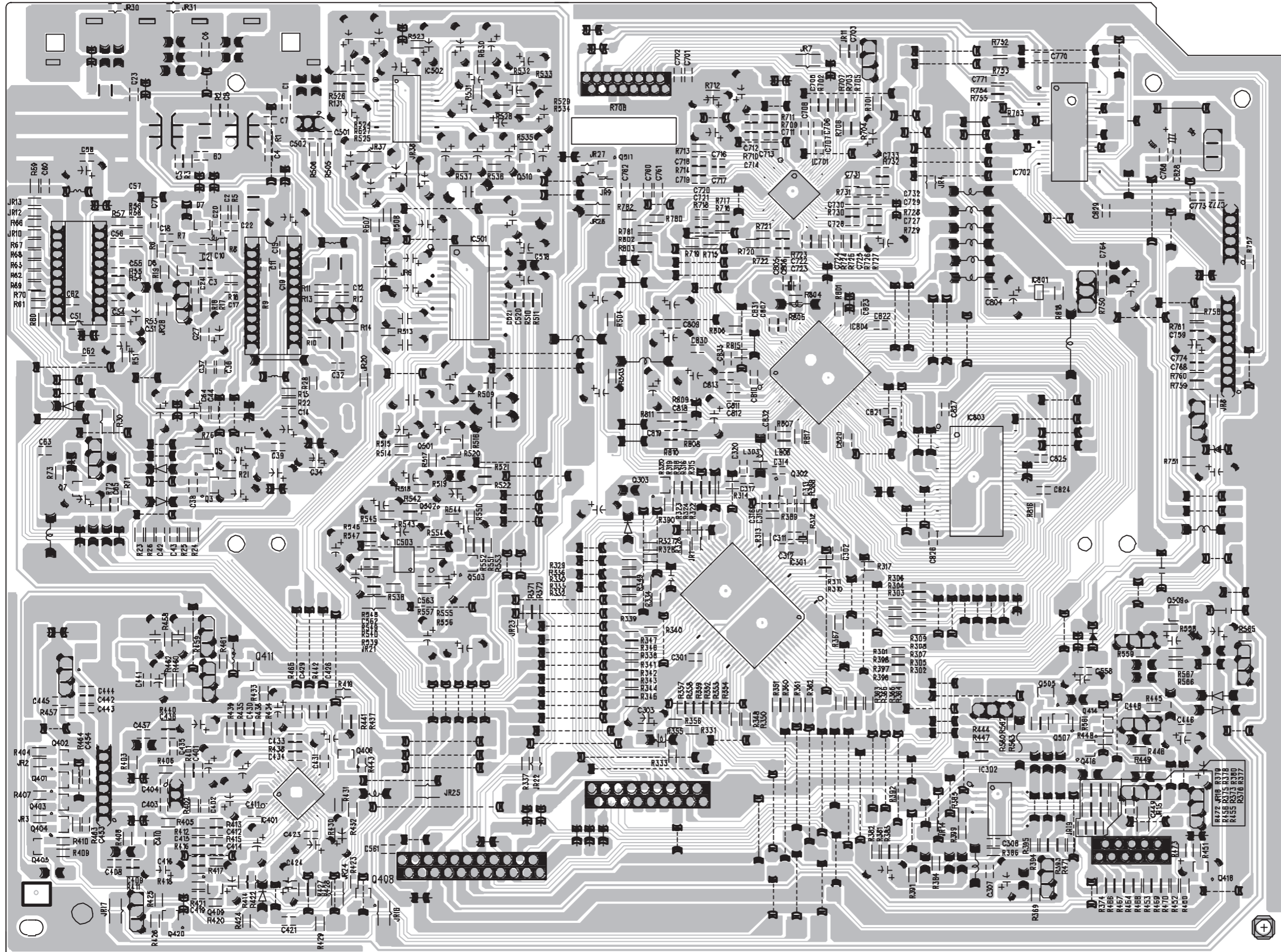


[MAIN PCB-4/4]

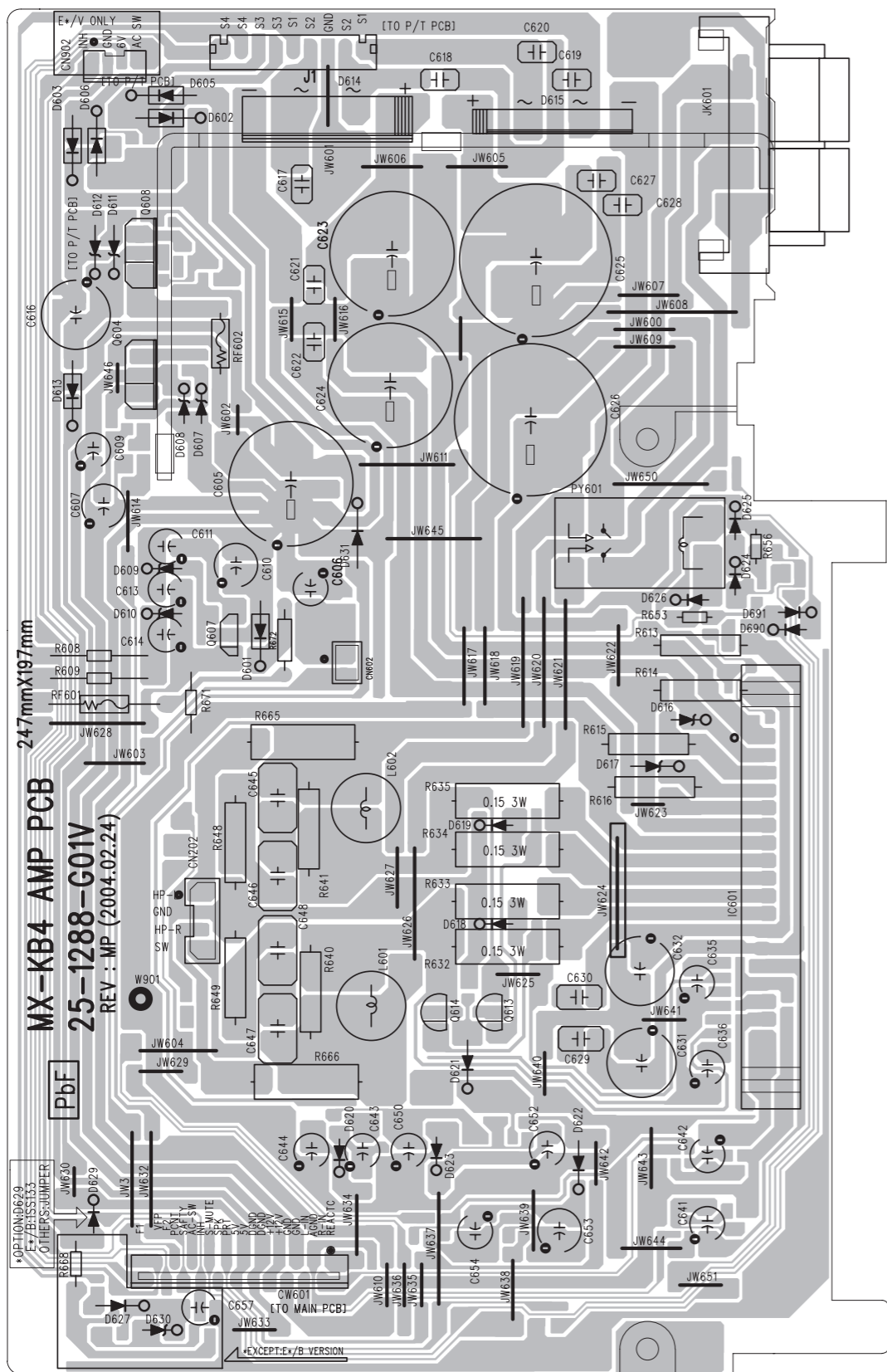
■ Tuner section



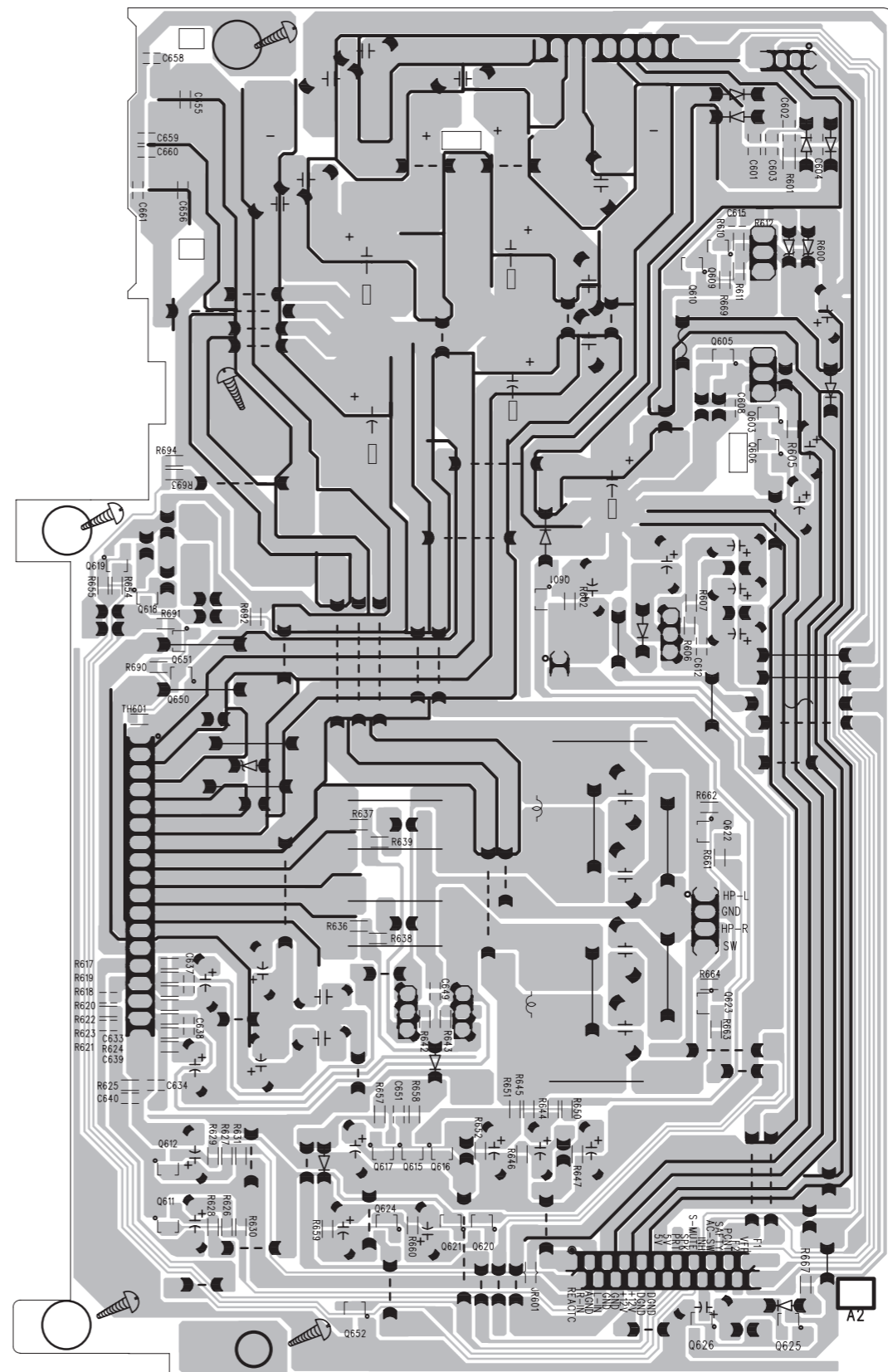
■ Main board (reverse side)



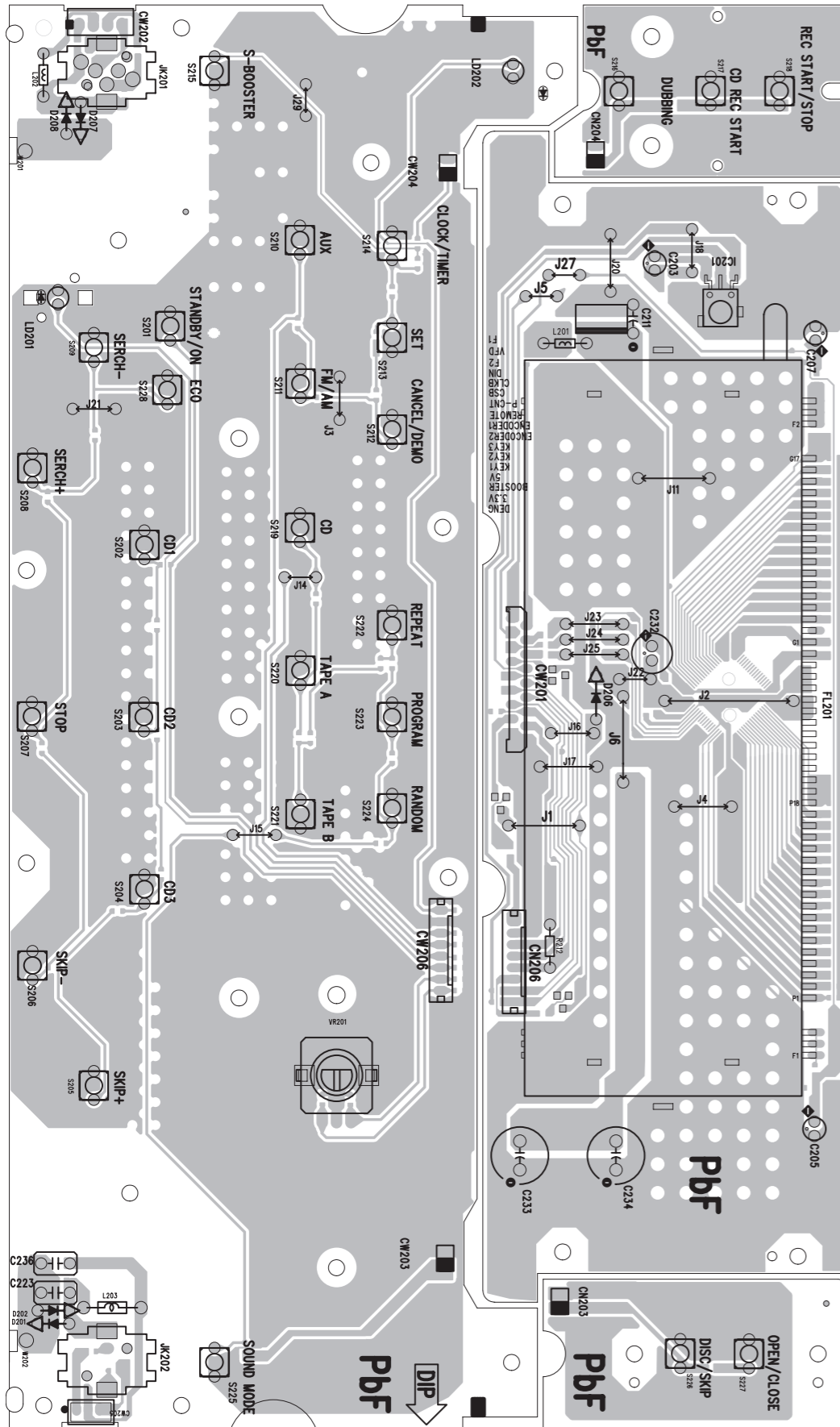
■ Amp board (forward side)



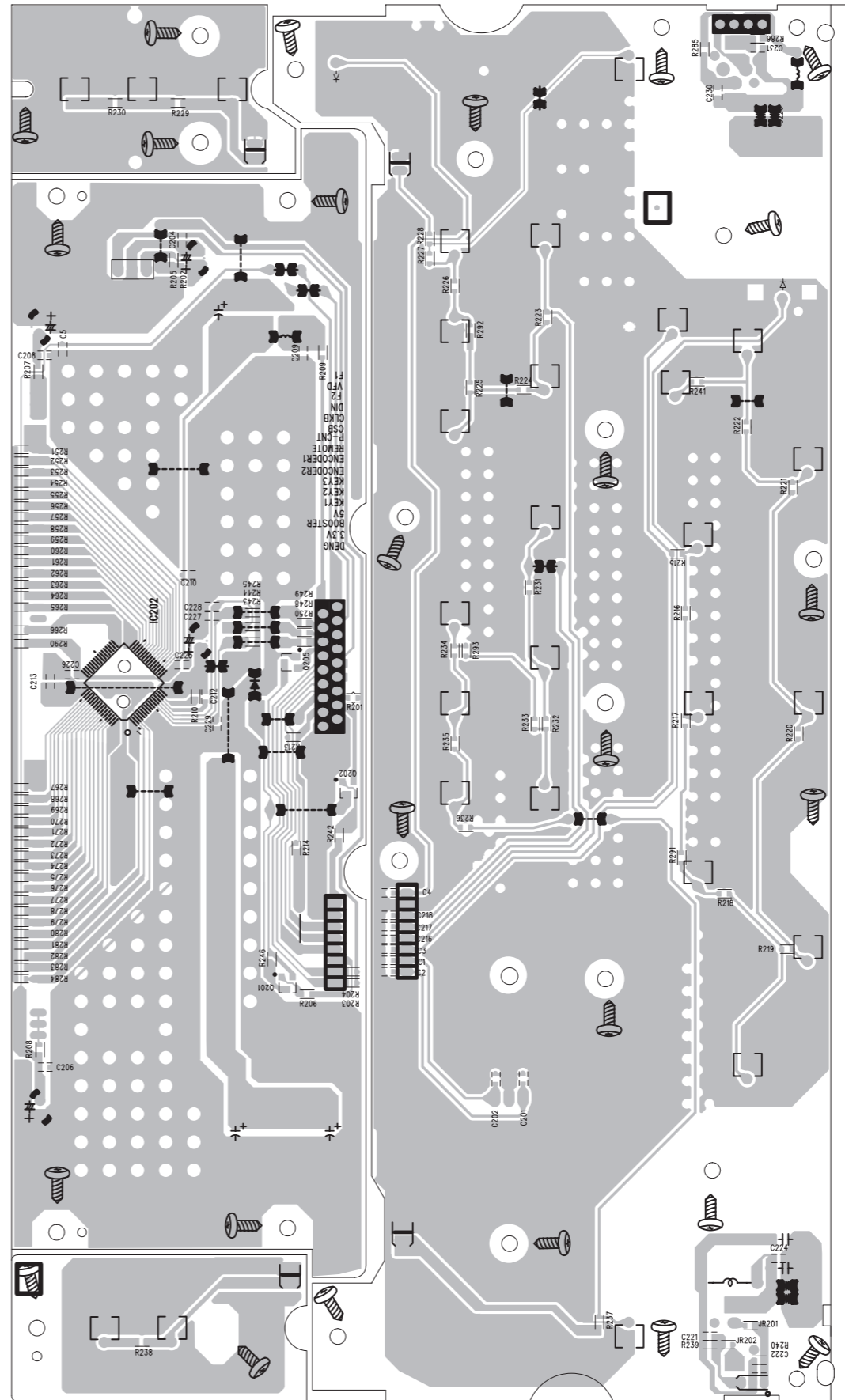
(reverse side)



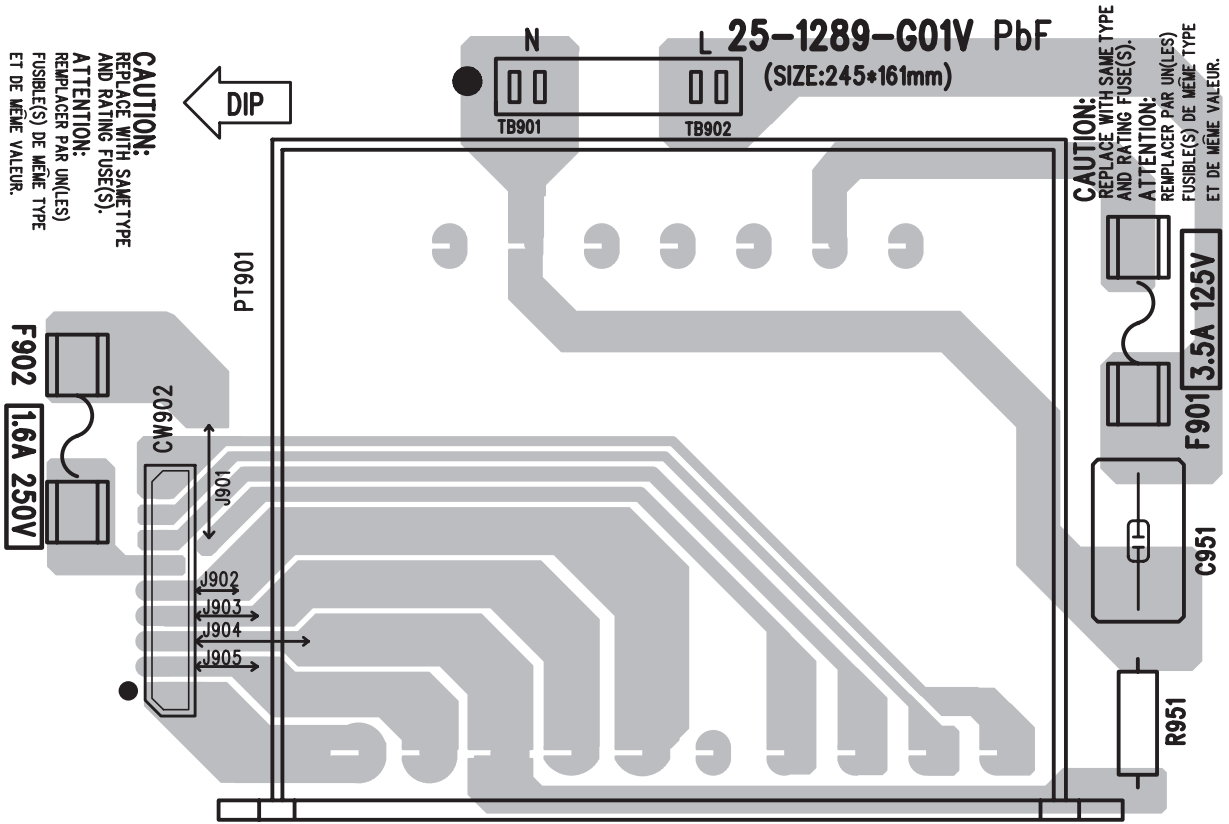
■ Front board (forward side)



(reverse side)



■ Trans board



PARTS LIST

[MX-KC4]

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

Area suffix

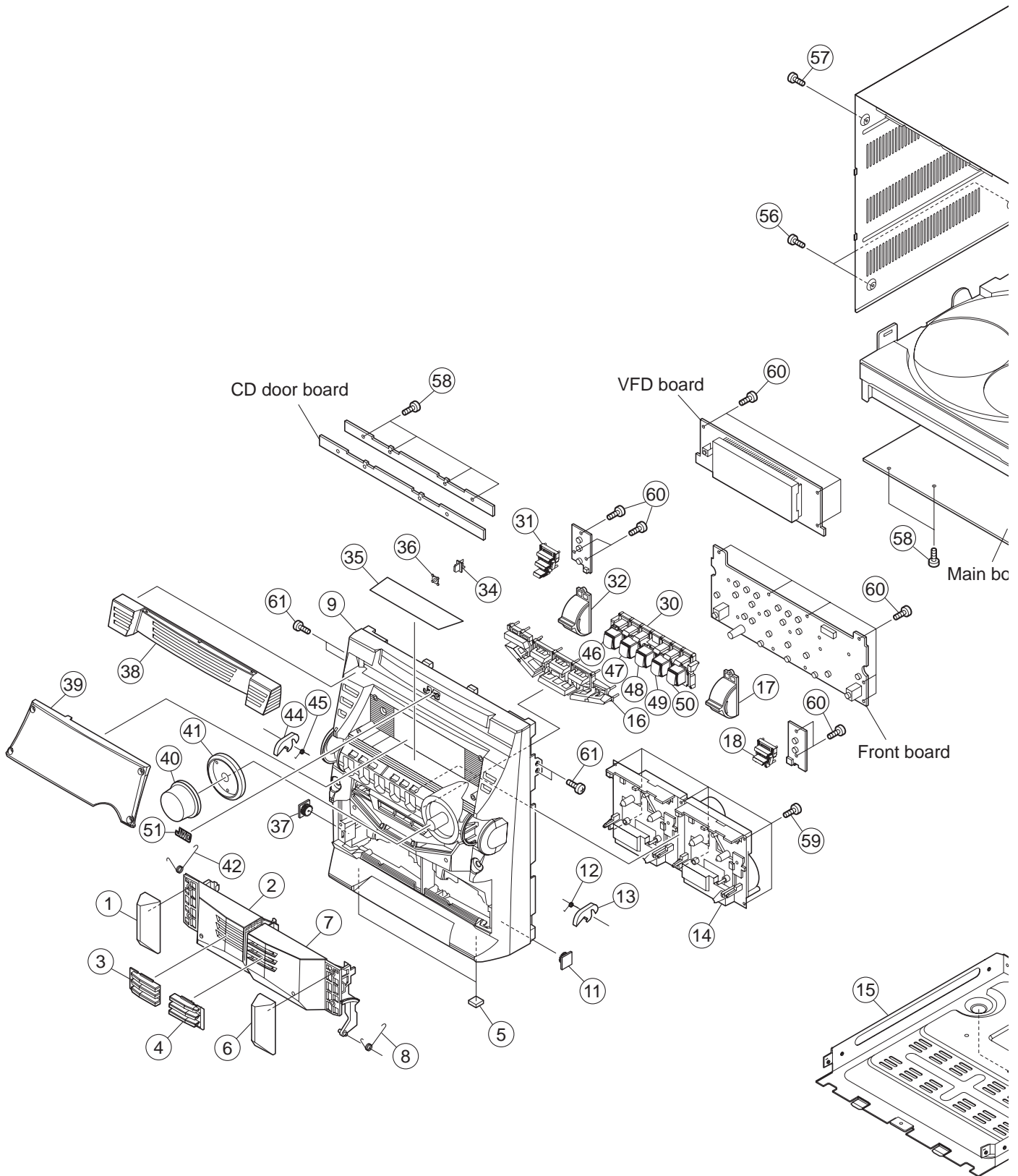
J ----- U.S.A.
C ----- Canada

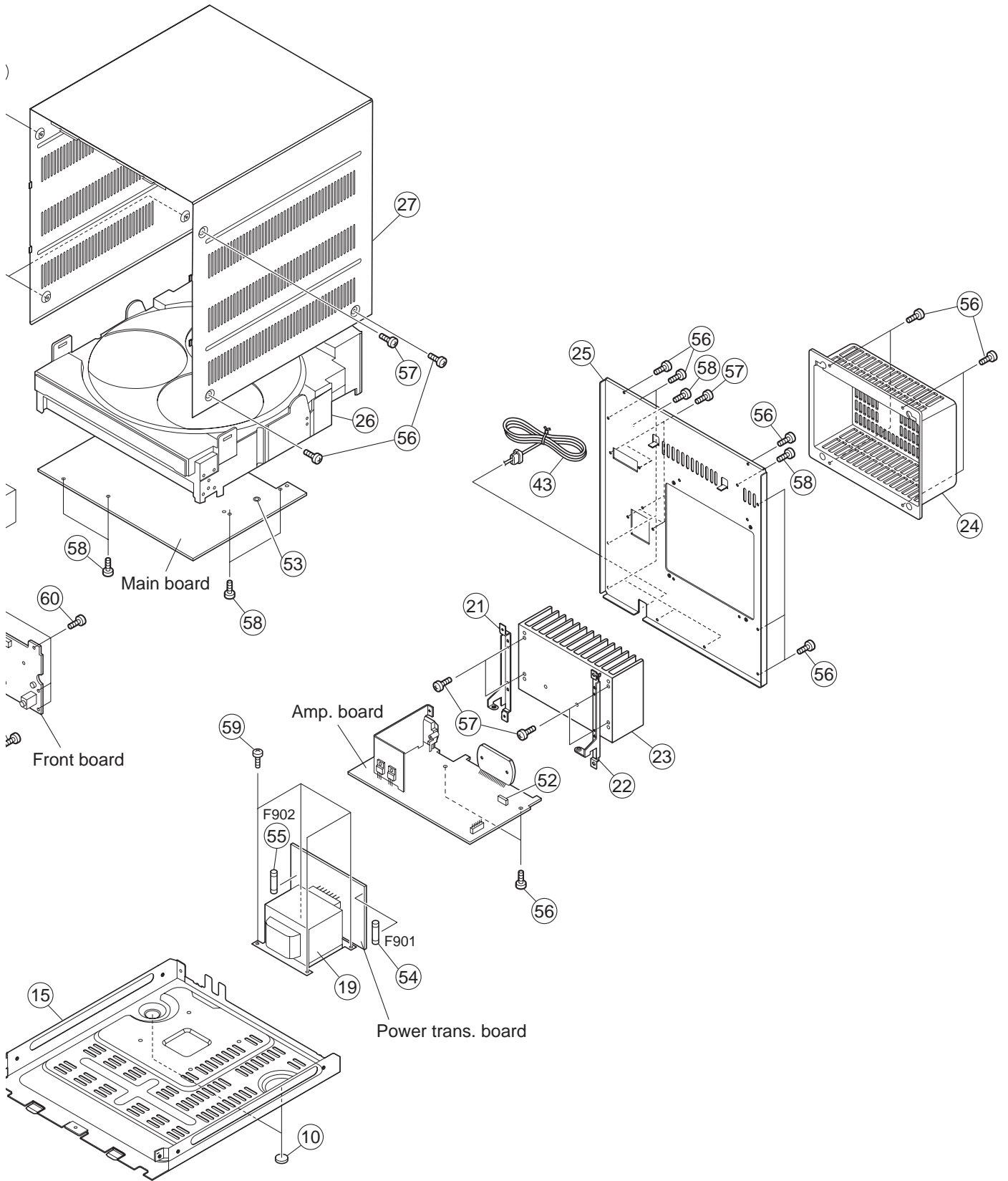
- Contents -

Exploded view of general assembly and parts list (Block No.M1)	3- 2
CD changer mechanism assembly and parts list (Block No.MA)	3- 5
Cassette mechanism assembly and parts list (Block No.MP).....	3- 7
Electrical parts list (Block No.01~05)	3- 9
Packing materials and accessories parts list (Block No.M3)	3-18

Exploded view of general assembly and parts list

Block No. M 1 M M





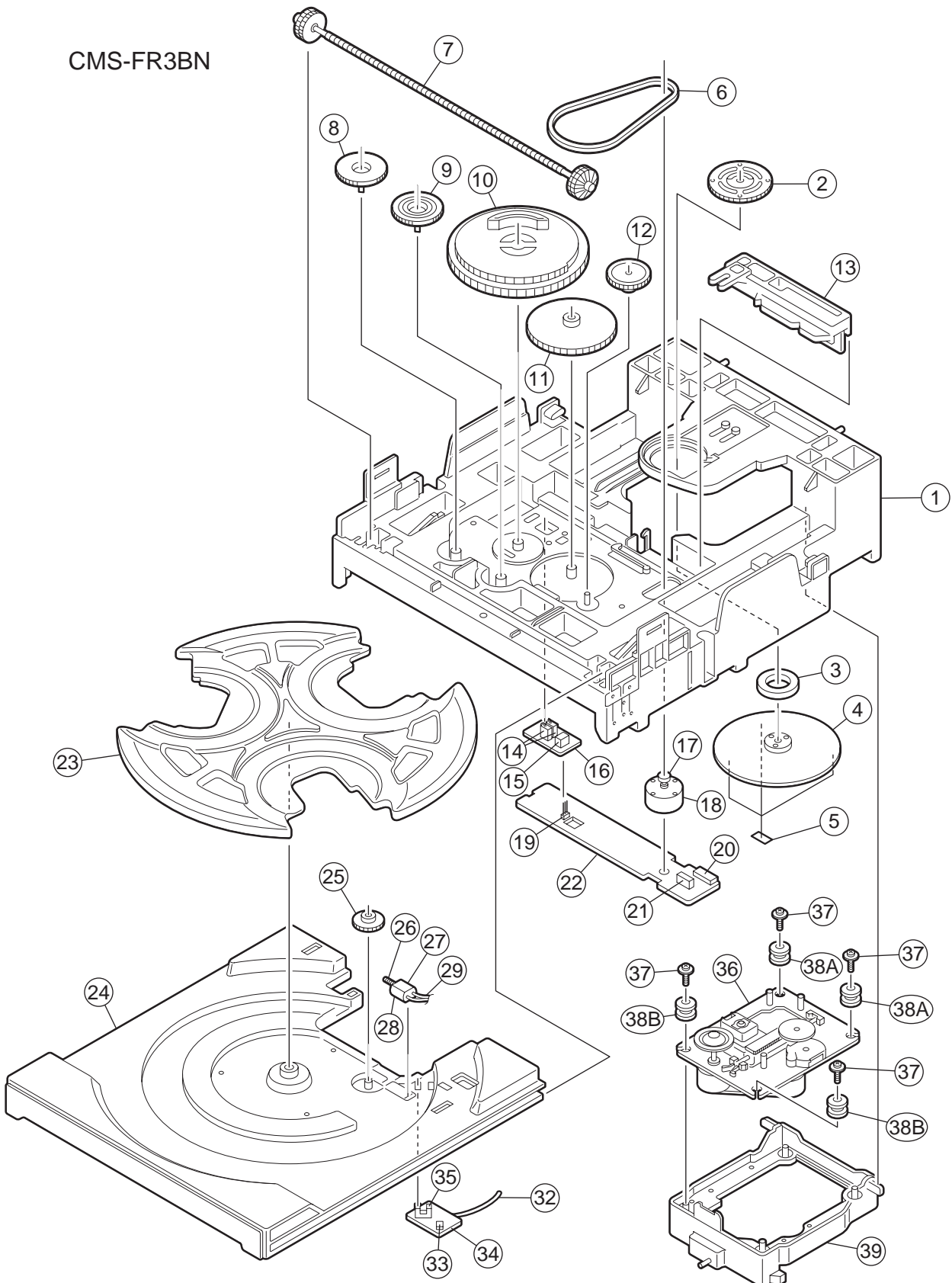
General Assembly

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

△	Symbol No.	Part No.	Part Name	Description	Local
	1	BI1077280102V1	CASSE COVER L	HIPS 470	
	2	BI1077260102V1	CASSETTE BOX L	HIPS 470	
	3	BI1077300101U1	CASSETTE LENS L	SAN2495	
	4	BI1077310101U1	CASSETTE LENS R	SAN2495	
	5	BI3021970101V1	RUBBER FOOT	(x2)	
	6	BI1077290102V1	CASSETTE BOX R	HIPS 470	
	7	BI1077270102V1	CASSE COVER R	HIPS 470	
	8	BI202724010101	CASSETTE SPRING	SUS WPB 1.0	
	9	BI1077239101U1	FRONT PANEL	HIPS 470	
	10	BI301779010101	CUSHION	BACK FOAM(x2)	
	11	BI300924010101	DAMPER		
	12	BI202772010101	CASSETTE SPRING	SUS WPB 0.40	
	13	BI1077370101U1	CASSETTE LOCK R	POM	
	14	BI3001571U	CASSETTE MECHA	ADR268DSW	
	15	BI202547011301	BOTTOM CHASSIS	SBCC T=0.8mm	
	16	BI1077350101U1	POWER BUTTON	ABS700	
	17	BI1077470101U1	SOUND MODE BUTT	ABS700	
	18	BI1077450101U1	OPEN BUTTON	ABS700	
△	19	BI211041006001W	POWER TRANS	PT901	
	21	BI202553010101	HEAT SINK HLDR	L SBCC T=0.80mm	
	22	BI202560010101	HEAT SINK HLDR	R SBCC T=0.80mm	
	23	BI202556010102	HEAT SINK	AL T=3.0mm	
	24	BI107483010101	HEAT SINK COVER	HIPS 470	
	25	BI2025500711V1	REAR PANEL	SBCC T=0.80mm	
	26	BI3400931	CD MECHANISM	CMS-FR3BN	
	27	BI202548010101	TOP COVER	SBCC T=0.60mm	
	30	BI1077340101VN	BUTTON	ABS 700	
	31	BI1077580101U1	BUTTON	ABS 700	
	32	BI1077480101U1	BUTTON	ABS 700	
	34	BI1077360101U1	LENS	PMMA CP51	
	35	BI3020620101U1	MIRROR SHEET	PC T=0.5mm	
	36	BI1077440101U1	LENS	PMMA CP51	
	37	BI300924010101	DAMPER		
	38	BI1077250101U1	CD DOOR	SAN 2495	
	39	BI1077240301V1	WINDOW DISPLAY	SAN 2495	
	40	BI1077320101U1	VOL KONB	ABS 700	
	41	BI1077330101U1	VOL RING	ABS 700	
	42	BI202725010101	CASSETTE SPRING	SUS WPB 1.0	
△	43	BI1400864	POWER CORD	UL	
	44	BI1077380101U1	CASS LOCK LEFT		
	45	BI1077239102V1	CASSETTE SPRING		
	46	BI1077400101VN	CAP KEY	AUX	
	47	BI1077420101VN	CAP KEY	TUNER	
	48	BI1077390101VN	CAP KEY	CD	
	49	BI1077410101VN	CAP KEY	TAPE	
	50	BI1077430101VN	CAP KEY	TAPE	
	51	BI109835010101	BADGE	700194HB	
	52	BI202603010101	SENSOR HLDR		
	53	BI3006021	FIBER WASHER		
△	54	BI403281	FUSE	F901 3.5A 125V	
△	55	BI402991	FUSE	F902 1.6A 250V	
	56	BIRM000603S3	SCREW	3.0XL6(x20)	
	57	BIRT000611B3	SCREW	3XL8(x11)	
	58	BIRT000617B3	SCREW	3.0XL10(x10)	
	59	BIPMX001101S3	SCREW	4.0XL6(x10)	
	60	BIBT000418	SCREW	2.6XL8(x14)	
	61	BIKT000627	SCREW	(x4)	

CD changer mechanism assembly and parts list

Block No. M A M M



CD changer mechanism

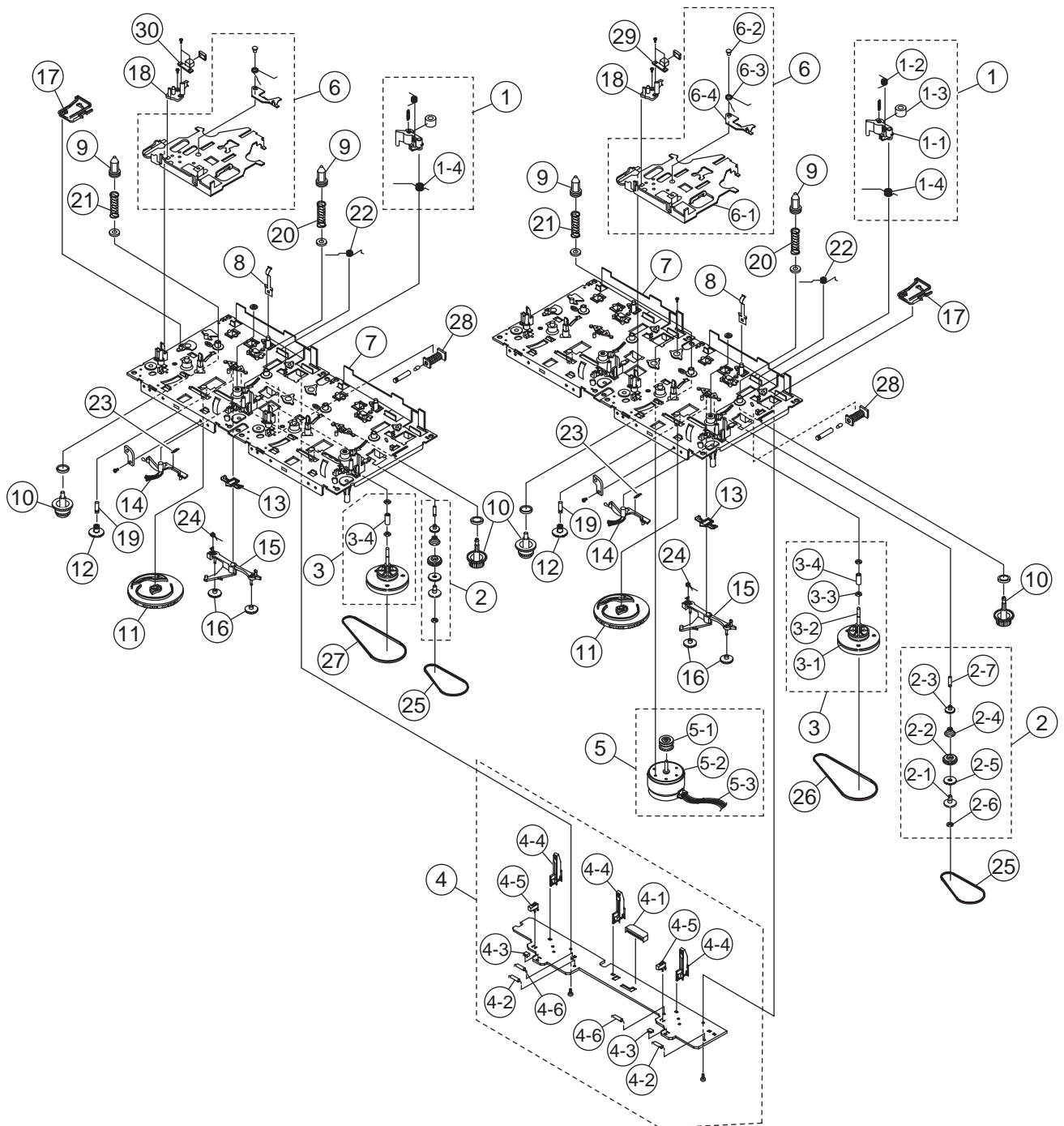
Block No. [M][A][M][M]

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

Cassette mechanism assembly and parts list

Block No. M P M M

ADR268DSW



Cassette mechanism

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

△	Symbol No.	Part No.	Part Name	Description	Local
	1	BIMT9201010K	PINCH ARM F	(x2)	
	1-1	BIMT7200022A	ARM PINCH F		
	1-2	BI6107000353	S/P PINCH F		
	1-3	BIMT7300010A	ROLLER PINCH		
	1-4	BI6107000177	S/P P/R F	(x2)	
	2	BIMT9222010C	CLUTCH ASSY	(x2)	
	2-1	BIMT7200391A	BUSH C		
	2-2	BIMT7200387A	PULLEY C		
	2-3	BIMT7200392A	CAP C		
	2-4	BI6107001066	S/PC		
	2-5	BIMT7400092A	FELT C		
	2-6	BI6031000623	W/S	1.2X3.2X0.25	
	2-7	BIMT7100471A	SHAFT RF	(x2)	
	3	BIMT9101011P	FLYWHEEL F	(x2)	
	3-1	BIMT7200101A	PULLEY F/W F		
	3-2	BIMT7100140A	SHAFT F/W F		
	3-3	BI6031000622	W/S	2.3X3.5X0.25	
	3-4	BI6601000120	METAL FG F	CAPS(x2)	
	4	BIMT9121019M	CONTROL PCB		
	4-1	BI3711K00001	CONN R/P	11P	
	4-2	BI402000132	DIODE	(x2)	
	4-3	BI0604K0001A	PHOTO SENSOR	(x2)	
	4-4	BI3409001131	SWITCH-LEAF	(x3)	
	4-5	BI3404000306	SWITCH MODE	(x2)	
	4-6	BI2001K0001A	RESISTOR	3.0Kohm(x2)	
	5	BIMT9115013Y	MOTOR ASSY		
	5-1	BIMT72K0028A	PULLEY M/T		
	5-2	BI3101K0019A	MOTOR	EG-530AD-2B(D)	
	5-3	BI3809001038	MOTOR WIRE		
	6	BIMT9003010J	BASE HEAD B	(x2)	
	6-1	BIMT7000376A	BASE-HEAD B		
	6-2	BIMT7100161A	SHAFT-BASE S		
	6-3	BI6107000335	SPR-SUB		
	6-4	BIMT7000468A	BASE-SUB HEAD		
	7	BIMT72K0016A	CHASSIS MAIN		
	8	BIMT7000438E	PLATE SPRING	(x2)	
	9	BIMT7200383A	CHIP REEL	(x4)	
	10	BIMT7200384A	BASE REEL	(x4)	
	11	BIMT7200385A	GEAR CAM	(x2)	
	12	BIMT6600028A	GEAR IDLER	(x2)	
	13	BIMT7200021A	LEVER BRAKE	(x2)	
	14	BIMT7200388A	ARM CAM LOCK	(x2)	
	15	BIMT7200389A	ARM RF	(x2)	
	16	BIMT7200390A	GEAR RF	(x4)	
	17	BIMT72K0029A	LEVER EJECT	(x2)	
	18	BIMT7200373A	TAPE GUIDE	(x2)	
	19	BIMT7100467A	SHAFT IDLER	(x2)	
	20	BI6107001063	S/P B.TF	(x2)	
	21	BI6107001062	S/P B.TR	(x2)	
	22	BI6107000331	S/P BASE HEAD	(x2)	
	23	BI6107000350	SP ARM CAM LOCK	(x2)	
	24	BI6107000351	S/P ARM RF	(x2)	
	25	BI6602001055	BELT SUB	(x2)	
	26	BI6602001057	BELT MAIN		
	27	BI6602001056	BELT MAIN		
	28	BIMT7500049A	SOLENOID	20ohm(x2)	
	29	BIMT59K0021A	HEAD 1WAY	(HASVH55042)A	
	30	BIMT59K0020A	HEAD 1WAY	(HASVH45051)A	

Electrical parts list

Main board

Block No. [0][1]

△ Symbol No.	Part No.	Part Name	Description	Local
IC1	LA1823	IC	BI113251	
IC4	LC72136N	IC	BI113271	
IC301	S3C825AC39	IC	BI118731	
IC302	BU4051BCF	IC	BI116691	
IC401	HA12237	IC	BI115011	
IC501	TDA7440D	IC	BI113231	
IC502	JCV8011	IC	BI116561	
IC503	BA4558F	IC	BI103952	
IC701	S1L9226	IC	BI116431	
IC702	BA5927S	IC	BI118221	
IC801	BH18FB1WG	IC	BI118171	
IC802	NJM7808FA	IC	BI110061	
IC803	SDRAM-16M	IC	BI116461	
IC804	S5L9279	IC	BI116401	
Q1	KTC3194	TRANSISTOR	BI2KTC3194P000V	
Q2	KTC3195Y	TRANSISTOR	BI2KTC3195Y000	
Q3	DTC114TK	DIGI TRANSISTOR	BI2DTC114TKA011	
Q4	DTC114TK	DIGI TRANSISTOR	BI2DTC114TKA011	
Q5	DTA114YK	DIGI TRANSISTOR	BI2DTA114YKA011	
Q7	2SC3052	TRANSISTOR	BI2SC3052FA013H	
Q8	KTA1267G	TRANSISTOR	BI2KTA1267GP000	
Q302	2SC3052	TRANSISTOR	BI2SC3052FA013H	
Q303	DTC114TK	DIGI TRANSISTOR	BI2DTC114TKA011	
Q304	2SC1815	TRANSISTOR	BI2SC1815GRP000	
Q401	2SC3052	TRANSISTOR	BI2SC3052FA013H	
Q402	2SC3052	TRANSISTOR	BI2SC3052FA013H	
Q403	2SC3052	TRANSISTOR	BI2SC3052FA013H	
Q404	2SC3052	TRANSISTOR	BI2SC3052FA013H	
Q405	DTA114YK	DIGI TRANSISTOR	BI2DTA114YKA011	
Q406	DTC323TK	DIGI TRANSISTOR	BI2DTC323TKA011	
Q407	KTA1267G	TRANSISTOR	BI2KTA1267GP000	
Q408	DTC114TK	DIGI TRANSISTOR	BI2DTC114TKA011	
Q409	DTC323TK	DIGI TRANSISTOR	BI2DTC323TKA011	
Q410	KTA1267G	TRANSISTOR	BI2KTA1267GP000	
Q411	DTC114TK	DIGI TRANSISTOR	BI2DTC114TKA011	
Q412	KTC3203Y	TRANSISTOR	BI2KTC3203YP000	
Q413	KTC3200G	TRANSISTOR	BI2KTC3200GP000	
Q414	2SC3052	TRANSISTOR	BI2SC3052FA013H	
Q415	KRA1273Y	TRANSISTOR	BI2KTA1273YP000	
Q416	2SC3052	TRANSISTOR	BI2SC3052FA013H	
Q417	KRA1273Y	TRANSISTOR	BI2KTA1273YP000	
Q418	DTC114TK	DIGI TRANSISTOR	BI2DTC114TKA011	
Q419	KRA1273Y	TRANSISTOR	BI2KTA1273YP000	
Q420	DTC323TK	DIGI TRANSISTOR	BI2DTC323TKA011	
Q501	2SC3052	TRANSISTOR	BI2SC3052FA013H	
Q502	2SC3052	TRANSISTOR	BI2SC3052FA013H	
Q503	2SC3052	TRANSISTOR	BI2SC3052FA013H	
Q504	KTA1267G	TRANSISTOR	BI2KTA1267GP000	
Q505	DTC114TK	DIGI TRANSISTOR	BI2DTC114TKA011	
Q506	KTA1267G	TRANSISTOR	BI2KTA1267GP000	
Q507	DTC114TK	DIGI TRANSISTOR	BI2DTC114TKA011	
Q508	2SC1815	TRANSISTOR	BI2SC1815GRP000	
Q509	DTC114TK	DIGI TRANSISTOR	BI2DTC114TKA011	
Q510	DTC114TK	DIGI TRANSISTOR	BI2DTC114TKA011	
Q701	KRA1266G	TRANSISTOR	BI2KTA1266GP000	
Q703	KTC3205	TRANSISTOR	BI2KTC3205P0008	
Q704	2SC1815	TRANSISTOR	BI2SC1815GRP000	
D1	1SS133	FR DIODE	BI31SS133M0007	
D2	1SS133	FR DIODE	BI31SS133M0007	
D3	1SS133	FR DIODE	BI31SS133M0007	
D4	1SS133	FR DIODE	BI31SS133M0007	
D5	1SS133	FR DIODE	BI31SS133M0007	
D6	1SS133	FR DIODE	BI31SS133M0007	
D7	SVC203	VARACTOR DIODE	BI3SVC203CPA000	
D8	SVC203	VARACTOR DIODE	BI3SVC203CPA000	
D9	1SS133	FR DIODE	BI31SS133M0007	
D10	1SS133	FR DIODE	BI31SS133M0007	
D11	1SS133	FR DIODE	BI31SS133M0007	
D12	1SS133	FR DIODE	BI31SS133M0007	
D13	UZ3.6BSB	Z DIODE	BI3UZ3.6BSBM000	

△ Symbol No.	Part No.	Part Name	Description	Local
D14	1SS133	FR DIODE	BI31SS133M0007	
D15	1SS133	FR DIODE	BI31SS133M0007	
D301	1SS133	FR DIODE	BI31SS133M0007	
D302	1SS133	FR DIODE	BI31SS133M0007	
D303	1SS133	FR DIODE	BI31SS133M0007	
D304	1SS133	FR DIODE	BI31SS133M0007	
D305	1SS133	FR DIODE	BI31SS133M0007	
D306	UZ4.7BSA	Z DIODE	BI3UZ4.7BSAM000	
D307	1SS133	FR DIODE	BI31SS133M0007	
D308	1SS133	FR DIODE	BI31SS133M0007	
D309	1SS133	FR DIODE	BI31SS133M0007	
D401	1SS133	FR DIODE	BI31SS133M0007	
D402	1SS133	FR DIODE	BI31SS133M0007	
D403	1SS133	FR DIODE	BI31SS133M0007	
D404	1SS133	FR DIODE	BI31SS133M0007	
D501	1SS133	FR DIODE	BI31SS133M0007	
D502	1N4001	DIODE	BI31N4001M0006	
D503	1SS133	FR DIODE	BI31SS133M0007	
D504	1SS133	FR DIODE	BI31SS133M0007	
D505	1SS133	FR DIODE	BI31SS133M0007	
D506	1SS133	FR DIODE	BI31SS133M0007	
D507	UZ11BSC	Z DIODE	BI3UZ11BSCM0000	
D508	1SS133	FR DIODE	BI31SS133M0007	
D509	1SS133	FR DIODE	BI31SS133M0007	
D510	1SS133	FR DIODE	BI31SS133M0007	
D710	UZ3.6BSB	Z DIODE	BI3UZ3.6BSBM000	
D711	UZ3.6BSB	Z DIODE	BI3UZ3.6BSBM000	
D712	1SS133	FR DIODE	BI31SS133M0007	
C1	BICC223500KA042	C CAPACITOR	0.022uF	
C2	BICC080500DA041	C CAPACITOR	8pF	
C3	BICC102500KA042	C CAPACITOR	1000pF	
C4	BICC223500KA042	C CAPACITOR	0.022uF	
C5	BICC473500KA042	C CAPACITOR	0.047uF	
C6	BICC100500DA041	C CAPACITOR	10pF	
C7	BICC120500JA041	C CAPACITOR	12pF	
C8	BICC80500DA041V	C CAPACITOR	8pF	
C9	BICC473500KA042	C CAPACITOR	0.047uF	
C10	BICC103500KA042	C CAPACITOR	0.01uF	
C11	BICC473500KA042	C CAPACITOR	0.047uF	
C12	BICC103500KA042	C CAPACITOR	0.01uF	
C13	BICE107100MP015	E CAPACITOR	100uF 10V	
C14	BICC223500KA042	C CAPACITOR	0.022uF	
C15	BICC223500KA042	C CAPACITOR	0.022uF	
C16	BICE106250MP015	E CAPACITOR	10uF 25V	
C17	BICC047500CA041	C CAPACITOR	4.7pF	
C18	BICC103500KA042	C CAPACITOR	0.01uF	
C19	BICC103500KA042	C CAPACITOR	0.01uF	
C20	BICC103500KA042	C CAPACITOR	0.01uF	
C21	BICC220500JA041	C CAPACITOR	22pF	
C22	BICC102500KA042	C CAPACITOR	1000pF	
C23	BICC103500KA042	C CAPACITOR	0.01uF	
C24	BICC102500KA042	C CAPACITOR	1000pF	
C25	BICE475500MP015	E CAPACITOR	4.7uF 50V	
C27	BICC222500KA042	C CAPACITOR	2200pF	
C28	BICM474500JP015	P CAPACITOR	0.47uF	
C29	BICE224500MP015	E CAPACITOR	0.22uF 50V	
C30	BICE335500MP015	E CAPACITOR	3.3uF 50V	
C31	BICC103500KA042	C CAPACITOR	0.01uF	
C32	BICC060500CA041	C CAPACITOR	6pF	
C33	BICE226250MP015	E CAPACITOR	22uF 25V	
C34	BICC223500KA042	C CAPACITOR	0.022uF	
C36	BICC183500KA042	C CAPACITOR	0.018uF	
C37	BICC183500KA042	C CAPACITOR	0.018uF	
C38	BICC102500KA042	C CAPACITOR	1000pF	
C39	BICC102500KA042	C CAPACITOR	1000pF	
C40	BICE225500MP015	E CAPACITOR	2.2uF 50V	
C41	BICE225500MP015	E CAPACITOR	2.2uF 50V	
C42	BICC471500JA041	C CAPACITOR	470pF	
C43	BICC471500JA041	C CAPACITOR	470pF	
C44	BICC100500DA041	C CAPACITOR	10pF	
C50	BICE476160MP015	E CAPACITOR	47uF 16V	
C51	BICC120500JA041	C CAPACITOR	12pF	
C52	BICC120500JA041	C CAPACITOR	12pF	
C53	BICM105500JP015	P CAPACITOR	1uF	
C54	BICC392500KA042	C CAPACITOR	3900pF	

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
C55	BICC471500JA041	C CAPACITOR	470pF		C503	BICM562101KP015	P CAPACITOR	0.0056uF	
C56	BICC103500KA042	C CAPACITOR	0.01uF		C504	BICM823101KP015	P CAPACITOR	0.082uF	
C57	BICC103500KA042	C CAPACITOR	0.01uF		C505	BICM823101KP015	P CAPACITOR	0.082uF	
C58	BICC102500KA042	C CAPACITOR	1000pF		C506	BICE105500MP015	E CAPACITOR	1uF 50V	
C59	BICE107100MP015	E CAPACITOR	100uF 10V		C507	BICE105500MP015	E CAPACITOR	1uF 50V	
C60	BICC103500KA042	C CAPACITOR	0.01uF		C508	BICE105500MP015	E CAPACITOR	1uF 50V	
C63	BICC101500JA041	C CAPACITOR	100pF		C509	BICE105500MP015	E CAPACITOR	1uF 50V	
C64	BICC471500JA041	C CAPACITOR	470pF		C510	BICE105500MP015	E CAPACITOR	1uF 50V	
C65	BICC223500KA042	C CAPACITOR	0.022uF		C511	BICE105500MP015	E CAPACITOR	1uF 50V	
C66	BICE476160MP015	E CAPACITOR	47uF 16V		C512	BICE105500MP015	E CAPACITOR	1uF 50V	
C71	BICC102500KA042	C CAPACITOR	1000pF		C513	BICE105500MP015	E CAPACITOR	1uF 50V	
C301	BICC104250ZA043	C CAPACITOR	0.1uF		C514	BICM562101KP015	P CAPACITOR	0.0056uF	
C302	BICC104250ZA043	C CAPACITOR	0.1uF		C515	BICM823101KP015	P CAPACITOR	0.082uF	
C303	BICC223500KA042	C CAPACITOR	0.022uF		C516	BICM823101KP015	P CAPACITOR	0.082uF	
C304	BICE107100MP015	E CAPACITOR	100uF 10V		C517	BICE106500MP015	E CAPACITOR	10uF 50V	
C305	BICE108100MP015	E CAPACITOR	1000uF 10V		C518	BICC103500KA042	C CAPACITOR	0.01uF	
C306	BICE476250MP015	E CAPACITOR	47uF 25V		C519	BICE476250MP015	E CAPACITOR	47uF 25V	
C307	BICC104250ZA043	C CAPACITOR	0.1uF		C520	BICC101500JA041	C CAPACITOR	100pF	
C308	BICC104250ZA043	C CAPACITOR	0.1uF		C521	BICC101500JA041	C CAPACITOR	100pF	
C311	BICC270500JA041	C CAPACITOR	27pF		C522	BICM224101KP015	P CAPACITOR	0.22uF	
C312	BICC240500JA041	C CAPACITOR	24pF		C523	BICM224101KP015	P CAPACITOR	0.22uF	
C313	BICC330500JA041	C CAPACITOR	33pF		C524	BICE105500MP015	E CAPACITOR	1uF 50V	
C314	BICC102500KA042	C CAPACITOR	1000pF		C525	BICE475500MP015	E CAPACITOR	4.7uF 50V	
C315	BICC220500JA041	C CAPACITOR	22pF		C526	BICE105500MP015	E CAPACITOR	1uF 50V	
C316	BICC220500JA041	C CAPACITOR	22pF		C527	BICE475500MP015	E CAPACITOR	4.7uF 50V	
C317	BICC104250KA042	C CAPACITOR	0.1uF		C528	BICE475500MP015	E CAPACITOR	4.7uF 50V	
C318	BICE105500MP015	E CAPACITOR	1uF 50V		C529	BICE476250MP015	E CAPACITOR	47uF 25V	
C319	BICH104500KM019	C CAPACITOR	0.1uF		C530	BICE475500MP015	E CAPACITOR	4.7uF 50V	
C401	BICC222500KA042	C CAPACITOR	2200pF		C531	BICE475500MP015	E CAPACITOR	4.7uF 50V	
C402	BICC222500KA042	C CAPACITOR	2200pF		C532	BICM273101KP015	P CAPACITOR	0.027uF	
C403	BICC222500KA042	C CAPACITOR	2200pF		C533	BICE225500MP015	E CAPACITOR	2.2uF 50V	
C404	BICC222500KA042	C CAPACITOR	2200pF		C534	BICE106250MP015	E CAPACITOR	10uF 25V	
C405	BICE106250MP015	E CAPACITOR	10uF 25V		C535	BICE476250MP015	E CAPACITOR	47uF 25V	
C406	BICE105500MP015	E CAPACITOR	1uF 50V		C536	BICE226250MP015	E CAPACITOR	22uF 25V	
C407	BICE106250MP015	E CAPACITOR	10uF 25V		C537	BICE226250MP015	E CAPACITOR	22uF 25V	
C409	BICC821500KA042	C CAPACITOR	820pF		C538	BICE226250MP015	E CAPACITOR	22uF 25V	
C410	BICC472250KA042	C CAPACITOR	4700pF		C539	BICE106250MP015	E CAPACITOR	10uF 25V	
C411	BICC103250JA042	C CAPACITOR	0.01uF		C540	BICE106250MP015	E CAPACITOR	10uF 25V	
C412	BICC104250ZA043	C CAPACITOR	0.1uF		C541	BICE475500MP015	E CAPACITOR	4.7uF 50V	
C413	BICE475500MP015	E CAPACITOR	4.7uF 50V		C542	BICE475500MP015	E CAPACITOR	4.7uF 50V	
C414	BICC104250ZA043	C CAPACITOR	0.1uF		C543	BICE106250MP015	E CAPACITOR	10uF 25V	
C415	BICC183500KA042	C CAPACITOR	0.018uF		C544	BICE106250MP015	E CAPACITOR	10uF 25V	
C417	BICE475500MP015	E CAPACITOR	4.7uF 50V		C545	BICE475500MP015	E CAPACITOR	4.7uF 50V	
C418	BICE475500MP015	E CAPACITOR	4.7uF 50V		C546	BICE106250MP015	E CAPACITOR	10uF 25V	
C419	BICC472250KA042	C CAPACITOR	4700pF		C547	BICE224500MP015	E CAPACITOR	0.22uF 50V	
C420	BICE107160MP015	E CAPACITOR	100uF 16V		C548	BICE105500MP015	E CAPACITOR	1uF 50V	
C421	BICC101500JA041	C CAPACITOR	100pF		C549	BICE105500MP015	E CAPACITOR	1uF 50V	
C422	BICE107160MP015	E CAPACITOR	100uF 16V		C550	BICE476250MP015	E CAPACITOR	47uF 25V	
C423	BICC101500JA041	C CAPACITOR	100pF		C551	BICE107100MP015	E CAPACITOR	100uF 10V	
C424	BICC101500JA041	C CAPACITOR	100pF		C552	BICE475500MP015	E CAPACITOR	4.7uF 50V	
C425	BICE105500MP015	E CAPACITOR	1uF 50V		C553	BICE105500MP015	E CAPACITOR	1uF 50V	
C426	BICC472250KA042	C CAPACITOR	4700pF		C554	BICE107100MP015	E CAPACITOR	100uF 10V	
C427	BICE475500MP015	E CAPACITOR	4.7uF 50V		C555	BICE476250MP015	E CAPACITOR	47uF 25V	
C428	BICE475500MP015	E CAPACITOR	4.7uF 50V		C556	BICE475500MP015	E CAPACITOR	4.7uF 50V	
C430	BICC183500KA042	C CAPACITOR	0.018uF		C557	BICE107100MP015	E CAPACITOR	100uF 10V	
C431	BICC104250ZA043	C CAPACITOR	0.1uF		C558	BICC103500KA042	C CAPACITOR	0.01uF	
C432	BICE475500MP015	E CAPACITOR	4.7uF 50V		C559	BICE476160MP015	E CAPACITOR	47uF 16V	
C433	BICC104250ZA043	C CAPACITOR	0.1uF		C561	BICC104250ZA043	C CAPACITOR	0.1uF	
C434	BICC103250JA042	C CAPACITOR	0.01uF		C562	BICC101500JA041	C CAPACITOR	100pF	
C435	BICC472250KA042	C CAPACITOR	4700pF		C563	BICC101500JA041	C CAPACITOR	100pF	
C436	BICC821500KA042	C CAPACITOR	820pF		C701	BICC104250ZA043	C CAPACITOR	0.1uF	
C438	BICM103101KP015	P CAPACITOR	0.01uF		C702	BICC104250ZA043	C CAPACITOR	0.1uF	
C439	BICM103101KP015	P CAPACITOR	0.01uF		C703	BICC102500KA042	C CAPACITOR	1000pF	
C440	BICE107160MP015	E CAPACITOR	100uF 16V		C704	BICE476160MP015	E CAPACITOR	47uF 16V	
C441	BICC103500KA042	C CAPACITOR	0.01uF		C705	BICC102500KA042	C CAPACITOR	1000pF	
C442	BICC123250KA042	C CAPACITOR	0.012uF		C706	BICC102500KA042	C CAPACITOR	1000pF	
C444	BICC821500KA042	C CAPACITOR	820pF		C707	BICC103500KA042	C CAPACITOR	0.01uF	
C445	BICC103500KA042	C CAPACITOR	0.01uF		C708	BICC473500KA042	C CAPACITOR	0.047uF	
C446	BICC103500KA042	C CAPACITOR	0.01uF		C709	BICE107100MP015	E CAPACITOR	100uF 10V	
C447	BICE107160MP015	E CAPACITOR	100uF 16V		C710	BICE107100MP015	E CAPACITOR	100uF 10V	
C448	BICC103500KA042	C CAPACITOR	0.01uF		C711	BICC040500CA041	C CAPACITOR	4pF	
C449	BICC103500KA042	C CAPACITOR	0.01uF		C712	BICC100500DA041	C CAPACITOR	10pF	
C450	BICE475500MP015	E CAPACITOR	4.7uF 50V		C713	BICC682500KA042	C CAPACITOR	6800pF	
C451	BICE107160MP015	E CAPACITOR	100uF 16V		C714	BICC103500KA042	C CAPACITOR	0.01uF	
C453	BICC471500JA041	C CAPACITOR	470pF		C715	BICE475500MP015	E CAPACITOR	4.7uF 50V	
C454	BICC471500JA041	C CAPACITOR	470pF		C716	BICC104250ZA043	C CAPACITOR	0.1uF	
C501	BICC101500JA041	C CAPACITOR	100pF		C717	BICC104250ZA043	C CAPACITOR	0.1uF	
C502	BICC101500JA041	C CAPACITOR	100pF		C718	BICC102500KA042	C CAPACITOR	1000pF	

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
C719	BICC104250ZA043	C CAPACITOR	0.1uF		R18	BIRC2240105A005	C RESISTOR	220KΩ 1/10W	
C720	BICC333250KA042	C CAPACITOR	0.033uF		R19	BIRC1220105A005	C RESISTOR	1.2KΩ 1/10W	
C721	BICC474100KA042	C CAPACITOR	0.47uF		R20	BIRC1010105A005	C RESISTOR	100Ω 1/10W	
C722	BICC332500KA042	C CAPACITOR	3300pF		R20	BIRC1010085M000	C RESISTOR	100Ω 1/8W	
C723	BICC474100KA042	C CAPACITOR	0.47uF		R21	BIRC3320105A005	C RESISTOR	3.3KΩ 1/10W	
C724	BICC103500KA042	C CAPACITOR	0.01uF		R22	BIRC1040105A005	C RESISTOR	100KΩ 1/10W	
C725	BICC683160KA042	C CAPACITOR	0.068uF		R23	BIRC2210105A005	C RESISTOR	220Ω 1/10W	
C726	BICE106160MP015	E CAPACITOR	10uF 16V		R24	BIRC2210105A005	C RESISTOR	220Ω 1/10W	
C727	BICC823160KA042	C CAPACITOR	0.082uF		R25	BIRC1030105A005	C RESISTOR	10KΩ 1/10W	
C728	BICC331500JA041	C CAPACITOR	330pF		R26	BIRC1030105A005	C RESISTOR	10KΩ 1/10W	
C729	BICC102500KA042	C CAPACITOR	1000pF		R27	BIRC2200085M000	C RESISTOR	22Ω 1/8W	
C730	BICC222500KA042	C CAPACITOR	2200pF		R28	BIRC3930105A005	C RESISTOR	39KΩ 1/10W	
C731	BICC333250KA042	C CAPACITOR	0.033uF		R30	BIRC0000085A003	C RESISTOR	0Ω 1/8W	
C732	BICC104250ZA043	C CAPACITOR	0.1uF		R51	BIRC1020105A005	C RESISTOR	1KΩ 1/10W	
C733	BICC104250ZA043	C CAPACITOR	0.1uF		R52	BIRC4720085M000	C RESISTOR	4.7KΩ 1/8W	
C763	BICE107100MP015	E CAPACITOR	100uF 10V		R53	BIRC3320105A005	C RESISTOR	3.3KΩ 1/10W	
C764	BICC104250ZA043	C CAPACITOR	0.1uF		R54	BIRC1820105A005	C RESISTOR	1.8KΩ 1/10W	
C765	BICE477100MP015	E CAPACITOR	470uF 10V		R55	BIRC4720105A005	C RESISTOR	4.7KΩ 1/10W	
C766	BICC104250ZA043	C CAPACITOR	0.1uF		R56	BIRC2220105A005	C RESISTOR	2.2KΩ 1/10W	
C767	BICE107100MP015	E CAPACITOR	100uF 10V		R57	BIRC3310105A005	C RESISTOR	330Ω 1/10W	
C768	BICC102500KA042	C CAPACITOR	1000pF		R58	BIRC1010105A005	C RESISTOR	100Ω 1/10W	
C769	BICE476250MP015	E CAPACITOR	47uF 25V		R59	BIRC1030105A005	C RESISTOR	10KΩ 1/10W	
C770	BICC391500JA041	C CAPACITOR	390pF		R60	BIRC1020105A005	C RESISTOR	1KΩ 1/10W	
C771	BICC391500JA041	C CAPACITOR	390pF		R61	BIRC1020105A005	C RESISTOR	1KΩ 1/10W	
C772	BICC391500JA041	C CAPACITOR	390pF		R62	BIRC1020105A005	C RESISTOR	1KΩ 1/10W	
C773	BICC391500JA041	C CAPACITOR	390pF		R63	BIRC1020105A005	C RESISTOR	1KΩ 1/10W	
C774	BICC102500KA042	C CAPACITOR	1000pF		R64	BIRC1020085M000	C RESISTOR	1KΩ 1/8W	
C801	BICH104500KM019	C CAPACITOR	0.1uF		R65	BIRC1020085M000	C RESISTOR	1KΩ 1/8W	
C802	BICH104500KM019	C CAPACITOR	0.1uF		R66	BIRC4730105A005	C RESISTOR	47KΩ 1/10W	
C803	BICE107100MP015	E CAPACITOR	100uF 10V		R67	BIRC4730105A005	C RESISTOR	47KΩ 1/10W	
C804	BICC104250ZA043	C CAPACITOR	0.1uF		R68	BIRC4720105A005	C RESISTOR	4.7KΩ 1/10W	
C805	BICC270500JA041	C CAPACITOR	27pF		R69	BIRC4720105A005	C RESISTOR	4.7KΩ 1/10W	
C806	BICC270500JA041	C CAPACITOR	27pF		R70	BIRC4730105A005	C RESISTOR	47KΩ 1/10W	
C807	BICC104250ZA043	C CAPACITOR	0.1uF		R71	BIRC3320105A005	C RESISTOR	3.3KΩ 1/10W	
C808	BICE107100MP015	E CAPACITOR	100uF 10V		R72	BIRC1040105A005	C RESISTOR	100KΩ 1/10W	
C809	BICC104250ZA043	C CAPACITOR	0.1uF		R73	BIRC1000105A005	C RESISTOR	100KΩ 1/10W	
C810	BICC122160KA042	C CAPACITOR	1200pF		R74	BIRC1510045M000	C RESISTOR	150Ω 1/4W	
C811	BICC122160KA042	C CAPACITOR	1200pF		R76	BIRC1030105A005	C RESISTOR	10KΩ 1/10W	
C812	BICC122160KA042	C CAPACITOR	1200pF		R131	BIRC1530105A005	C RESISTOR	15KΩ 1/10W	
C813	BICC104250ZA043	C CAPACITOR	0.1uF		R301	BIRC4710105A005	C RESISTOR	470Ω 1/10W	
C814	BICE107100MP015	E CAPACITOR	100uF 10V		R302	BIRC1010105A005	C RESISTOR	100Ω 1/10W	
C815	BICE107100MP015	E CAPACITOR	100uF 10V		R303	BIRC1010105A005	C RESISTOR	100Ω 1/10W	
C816	BICE475500MP015	E CAPACITOR	4.7uF 50V		R304	BIRC1010105A005	C RESISTOR	100Ω 1/10W	
C817	BICE475500MP015	E CAPACITOR	4.7uF 50V		R305	BIRC1010105A005	C RESISTOR	100Ω 1/10W	
C818	BICC102500KA042	C CAPACITOR	1000pF		R306	BIRC1010105A005	C RESISTOR	100Ω 1/10W	
C819	BICC102500KA042	C CAPACITOR	1000pF		R307	BIRC1010105A005	C RESISTOR	100Ω 1/10W	
C820	BICC104250ZA043	C CAPACITOR	0.1uF		R308	BIRC1010105A005	C RESISTOR	100Ω 1/10W	
C821	BICC104250ZA043	C CAPACITOR	0.1uF		R309	BIRC1010105A005	C RESISTOR	100Ω 1/10W	
C822	BICC104250ZA043	C CAPACITOR	0.1uF		R310	BIRC1010105A005	C RESISTOR	100Ω 1/10W	
C823	BICC104250ZA043	C CAPACITOR	0.1uF		R311	BIRC1010105A005	C RESISTOR	100Ω 1/10W	
C824	BICC104250ZA043	C CAPACITOR	0.1uF		R312	BIRC1010105A005	C RESISTOR	100Ω 1/10W	
C825	BICC104250ZA043	C CAPACITOR	0.1uF		R313	BIRC1010105A005	C RESISTOR	100Ω 1/10W	
C826	BICC104250ZA043	C CAPACITOR	0.1uF		R314	BIRC1020105A005	C RESISTOR	1KΩ 1/10W	
C827	BICC104250ZA043	C CAPACITOR	0.1uF		R315	BIRC1010105A005	C RESISTOR	100Ω 1/10W	
C828	BICC104250ZA043	C CAPACITOR	0.1uF		R316	BIRC1010105A005	C RESISTOR	100Ω 1/10W	
C829	BICC104250ZA043	C CAPACITOR	0.1uF		R317	BIRC1010105A005	C RESISTOR	100Ω 1/10W	
C830	BICC104250ZA043	C CAPACITOR	0.1uF		R318	BIRC1010105A005	C RESISTOR	100Ω 1/10W	
C831	BICC104250ZA043	C CAPACITOR	0.1uF		R319	BIRC1010105A005	C RESISTOR	100Ω 1/10W	
C832	BICC100500DA041	C CAPACITOR	10pF		R320	BIRC1010105A005	C RESISTOR	100Ω 1/10W	
C833	BICC330500JA041	C CAPACITOR	33pF		R321	BIRC1010085M000	C RESISTOR	100Ω 1/8W	
R1	BIRC1520105A005	C RESISTOR	1.5KΩ 1/10W		R322	BIRC1010105A005	C RESISTOR	100Ω 1/10W	
R2	BIRC1040105A005	C RESISTOR	100KΩ 1/10W		R323	BIRC1010105A005	C RESISTOR	100Ω 1/10W	
R3	BIRC1020105A005	C RESISTOR	1KΩ 1/10W		R324	BIRC1010105A005	C RESISTOR	100Ω 1/10W	
R4	BIRC1040085M000	C RESISTOR	100KΩ 1/8W		R327	BIRC1010105A005	C RESISTOR	100Ω 1/10W	
R5	BIRC1040105A005	C RESISTOR	100KΩ 1/10W		R328	BIRC1010105A005	C RESISTOR	100Ω 1/10W	
R6	BIRC4730105A005	C RESISTOR	47KΩ 1/10W		R329	BIRC2220105A005	C RESISTOR	2.2KΩ 1/10W	
R7	BIRC1040105A005	C RESISTOR	100KΩ 1/10W		R330	BIRC2220105A005	C RESISTOR	2.2KΩ 1/10W	
R8	BIRC1000105A005	C RESISTOR	10Ω 1/10W		R331	BIRC2220105A005	C RESISTOR	2.2KΩ 1/10W	
R9	BIRC1000105A005	C RESISTOR	10Ω 1/10W		R332	BIRC2220105A005	C RESISTOR	2.2KΩ 1/10W	
R10	BIRC1010105A005	C RESISTOR	100Ω 1/10W		R333	BIRC1820105A005	C RESISTOR	1.8KΩ 1/10W	
R11	BIRC3310105A005	C RESISTOR	330Ω 1/10W		R334	BIRC2230105A005	C RESISTOR	22KΩ 1/10W	
R12	BIRC4740105A005	C RESISTOR	470KΩ 1/10W		R335	BIRC2230105A005	C RESISTOR	22KΩ 1/10W	
R13	BIRC3300105A005	C RESISTOR	33Ω 1/10W		R336	BIRC2230105A005	C RESISTOR	22KΩ 1/10W	
R14	BIRC3310105A005	C RESISTOR	330Ω 1/10W		R337	BIRC1010105A005	C RESISTOR	100Ω 1/10W	
R15	BIRC1530105A005	C RESISTOR	15KΩ 1/10W		R338	BIRC1010105A005	C RESISTOR	100Ω 1/10W	
R16	BIRC1500105A005	C RESISTOR	15Ω 1/10W		R341	BIRC1020105A005	C RESISTOR	1KΩ 1/10W	
R17	BIRC1010105A005	C RESISTOR	100Ω 1/10W		R342	BIRC2210105A005	C RESISTOR	220Ω 1/10W	
					R343	BIRC2210105A005	C RESISTOR	220Ω 1/10W	

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
R344	BIRC2210105A005	C RESISTOR	220Ω 1/10W		R434	BIRC3920105A005	C RESISTOR	3.9KΩ 1/10W	
R345	BIRC1020105A005	C RESISTOR	1KΩ 1/10W		R435	BIRC2220105A005	C RESISTOR	2.2KΩ 1/10W	
R346	BIRC1020105A005	C RESISTOR	1KΩ 1/10W		R436	BIRC1000105A005	C RESISTOR	10Ω 1/10W	
R347	BIRC1020105A005	C RESISTOR	1KΩ 1/10W		R437	BIRC2720105A005	C RESISTOR	2.7KΩ 1/10W	
R348	BIRC1020105A005	C RESISTOR	1KΩ 1/10W		R438	BIRC8220105A005	C RESISTOR	8.2KΩ 1/10W	
R349	BIRC1020105A005	C RESISTOR	1KΩ 1/10W		R439	BIRC1520105A005	C RESISTOR	1.5KΩ 1/10W	
R350	BIRC1020105A005	C RESISTOR	1KΩ 1/10W		R440	BIRC8220105A005	C RESISTOR	8.2KΩ 1/10W	
R351	BIRC1020105A005	C RESISTOR	1KΩ 1/10W		R441	BIRC0000165A005	C RESISTOR	0Ω 1/16W	
R352	BIRC0000165A005	C RESISTOR	0Ω 1/16W		R442	BIRC5620105A005	C RESISTOR	5.6KΩ 1/10W	
R353	BIRC1020105A005	C RESISTOR	1KΩ 1/10W		R443	BIRC0000165A005	C RESISTOR	0Ω 1/16W	
R354	BIRC1020105A005	C RESISTOR	1KΩ 1/10W		R444	BIRC3320105A005	C RESISTOR	3.3KΩ 1/10W	
R355	BIRC1020105A005	C RESISTOR	1KΩ 1/10W		R445	BIRC4720105A005	C RESISTOR	4.7KΩ 1/10W	
R356	BIRC4710105A005	C RESISTOR	470Ω 1/10W		R446	BIRC1510105A005	C RESISTOR	150Ω 1/10W	
R357	BIRC1010105A005	C RESISTOR	100Ω 1/10W		R447	BIRC3320105A005	C RESISTOR	3.3KΩ 1/10W	
R358	BIRC1010105A005	C RESISTOR	100Ω 1/10W		R448	BIRC4720105A005	C RESISTOR	4.7KΩ 1/10W	
R359	BIRC1010105A005	C RESISTOR	100Ω 1/10W		R449	BIRC1510105A005	C RESISTOR	150Ω 1/10W	
R360	BIRC2210105A005	C RESISTOR	220Ω 1/10W		R450	BIRC3320105A005	C RESISTOR	3.3KΩ 1/10W	
R361	BIRC4710105A005	C RESISTOR	470Ω 1/10W		R451	BIRC1020105A005	C RESISTOR	1KΩ 1/10W	
R362	BIRC4710105A005	C RESISTOR	470Ω 1/10W		R452	BIRC2230105A005	C RESISTOR	22KΩ 1/10W	
R363	BIRC4710105A005	C RESISTOR	470Ω 1/10W		R453	BIRC1030105A005	C RESISTOR	10KΩ 1/10W	
R364	BIRC4710105A005	C RESISTOR	470Ω 1/10W		R454	BIRC4730105A005	C RESISTOR	47KΩ 1/10W	
R365	BIRC1010105A005	C RESISTOR	100Ω 1/10W		R455	BIRC4730105A005	C RESISTOR	47KΩ 1/10W	
R366	BIRC1010105A005	C RESISTOR	100Ω 1/10W		R456	BIRC2230105A005	C RESISTOR	22KΩ 1/10W	
R367	BIRC1020105A005	C RESISTOR	1KΩ 1/10W		R457	BIRC2220105A005	C RESISTOR	2.2KΩ 1/10W	
R369	BIRC1010105A005	C RESISTOR	100Ω 1/10W		R458	BIRC1000105A005	C RESISTOR	10Ω 1/10W	
R371	BIRC1030105A005	C RESISTOR	10KΩ 1/10W		R459	BIRC1030105A005	C RESISTOR	10KΩ 1/10W	
R372	BIRC1030105A005	C RESISTOR	10KΩ 1/10W		R460	BIRC1000105A005	C RESISTOR	10Ω 1/10W	
R373	BIRC0000165A005	C RESISTOR	0Ω 1/16W		R461	BIRC1020105A005	C RESISTOR	1KΩ 1/10W	
R376	BIRC0000165A005	C RESISTOR	0Ω 1/16W		R462	BIRC3900105A005	C RESISTOR	39Ω 1/10W	
R377	BIRC2220105A005	C RESISTOR	2.2KΩ 1/10W		R463	BIRC1030105A005	C RESISTOR	10KΩ 1/10W	
R380	BIRC2220105A005	C RESISTOR	2.2KΩ 1/10W		R464	BIRC1030105A005	C RESISTOR	10KΩ 1/10W	
R382	BIRC1030105A005	C RESISTOR	10KΩ 1/10W		R466	BIRC2220105A005	C RESISTOR	2.2KΩ 1/10W	
R384	BIRC3320105A005	C RESISTOR	3.3KΩ 1/10W		R467	BIRC2220105A005	C RESISTOR	2.2KΩ 1/10W	
R385	BIRC1020105A005	C RESISTOR	1KΩ 1/10W		R468	BIRC2220105A005	C RESISTOR	2.2KΩ 1/10W	
R386	BIRC0000165A005	C RESISTOR	0Ω 1/16W		R469	BIRC2220105A005	C RESISTOR	2.2KΩ 1/10W	
R388	BIRC2220105A005	C RESISTOR	2.2KΩ 1/10W		R470	BIRC2220105A005	C RESISTOR	2.2KΩ 1/10W	
R390	BIRC4730105A005	C RESISTOR	47KΩ 1/10W		R471	BIRC1230105A005	C RESISTOR	12KΩ 1/10W	
R391	BIRC6840105A005	C RESISTOR	680KΩ 1/10W		R472	BIRC5630105A005	C RESISTOR	56KΩ 1/10W	
R392	BIRC1030105A005	C RESISTOR	10KΩ 1/10W		R473	BIRC5630105A005	C RESISTOR	56KΩ 1/10W	
R393	BIRC1030105A005	C RESISTOR	10KΩ 1/10W		R501	BIRC1030085M000	C RESISTOR	10KΩ 1/8W	
R394	BIRC1030105A005	C RESISTOR	10KΩ 1/10W		R502	BIRC1030085M000	C RESISTOR	10KΩ 1/8W	
R395	BIRC1030105A005	C RESISTOR	10KΩ 1/10W		R503	BIRC4720105A005	C RESISTOR	4.7KΩ 1/10W	
R396	BIRC1020105A005	C RESISTOR	1KΩ 1/10W		R504	BIRC4720105A005	C RESISTOR	4.7KΩ 1/10W	
R397	BIRC1020105A005	C RESISTOR	1KΩ 1/10W		R505	BIRC6220105A005	C RESISTOR	6.2KΩ 1/10W	
R398	BIRC1020105A005	C RESISTOR	1KΩ 1/10W		R506	BIRC6220105A005	C RESISTOR	6.2KΩ 1/10W	
R399	BIRC2230105A005	C RESISTOR	22KΩ 1/10W		R507	BIRC8220105A005	C RESISTOR	8.2KΩ 1/10W	
R401	BIRC1000105A005	C RESISTOR	10Ω 1/10W		R508	BIRC8220105A005	C RESISTOR	8.2KΩ 1/10W	
R402	BIRC1000105A005	C RESISTOR	10Ω 1/10W		R509	BIRC5620105A005	C RESISTOR	5.6KΩ 1/10W	
R403	BIRC4720105A005	C RESISTOR	4.7KΩ 1/10W		R510	BIRC1020105A005	C RESISTOR	1KΩ 1/10W	
R404	BIRC2220105A005	C RESISTOR	2.2KΩ 1/10W		R511	BIRC1020105A005	C RESISTOR	1KΩ 1/10W	
R405	BIRC1000105A005	C RESISTOR	10Ω 1/10W		R512	BIRC4700085M000	C RESISTOR	47Ω 1/8W	
R406	BIRC1000105A005	C RESISTOR	10Ω 1/10W		R513	BIRC5620105A005	C RESISTOR	5.6KΩ 1/10W	
R407	BIRC2220105A005	C RESISTOR	2.2KΩ 1/10W		R514	BIRC3930105A005	C RESISTOR	39KΩ 1/10W	
R408	BIRC4720105A005	C RESISTOR	4.7KΩ 1/10W		R515	BIRC3930105A005	C RESISTOR	39KΩ 1/10W	
R409	BIRC2230105A005	C RESISTOR	22KΩ 1/10W		R516	BIRC3340105A005	C RESISTOR	330KΩ 1/10W	
R410	BIRC1020105A005	C RESISTOR	1KΩ 1/10W		R517	BIRC1820105A005	C RESISTOR	1.8KΩ 1/10W	
R411	BIRC8220105A005	C RESISTOR	8.2KΩ 1/10W		R518	BIRC1040105A005	C RESISTOR	100KΩ 1/10W	
R412	BIRC1520105A005	C RESISTOR	1.5KΩ 1/10W		R519	BIRC1040105A005	C RESISTOR	100KΩ 1/10W	
R413	BIRC8220105A005	C RESISTOR	8.2KΩ 1/10W		R520	BIRC1030105A005	C RESISTOR	10KΩ 1/10W	
R414	BIRC2720105A005	C RESISTOR	2.7KΩ 1/10W		R521	BIRC0000165A005	C RESISTOR	0Ω 1/16W	
R415	BIRC1000105A005	C RESISTOR	10Ω 1/10W		R523	BIRC1000105A005	C RESISTOR	10Ω 1/10W	
R416	BIRC2220105A005	C RESISTOR	2.2KΩ 1/10W		R524	BIRC4740105A005	C RESISTOR	470KΩ 1/10W	
R417	BIRC3920105A005	C RESISTOR	3.9KΩ 1/10W		R525	BIRC4740105A005	C RESISTOR	470KΩ 1/10W	
R419	BIRC1530105A005	C RESISTOR	15KΩ 1/10W		R526	BIRC2250105A005	C RESISTOR	2.2MΩ 1/10W	
R420	BIRC0000165A005	C RESISTOR	0Ω 1/16W		R527	BIRC1010105A005	C RESISTOR	100Ω 1/10W	
R421	BIRC5620105A005	C RESISTOR	5.6KΩ 1/10W		R528	BIRC1030105A005	C RESISTOR	10KΩ 1/10W	
R422	BIRC0000165A005	C RESISTOR	0Ω 1/16W		R529	BIRC1030105A005	C RESISTOR	10KΩ 1/10W	
R423	BIRC4720105A005	C RESISTOR	4.7KΩ 1/10W		R530	BIRC1030105A005	C RESISTOR	10KΩ 1/10W	
R424	BIRC1820105A005	C RESISTOR	1.8KΩ 1/10W		R531	BIRC1030105A005	C RESISTOR	10KΩ 1/10W	
R425	BIRC1030105A005	C RESISTOR	10KΩ 1/10W		R532	BIRC1520105A005	C RESISTOR	1.5KΩ 1/10W	
R426	BIRC1030105A005	C RESISTOR	10KΩ 1/10W		R533	BIRC1520105A005	C RESISTOR	1.5KΩ 1/10W	
R427	BIRC1020105A005	C RESISTOR	1KΩ 1/10W		R534	BIRC2020105A005	C RESISTOR	2KΩ 1/10W	
R428	BIRC1030105A005	C RESISTOR	10KΩ 1/10W		R535	BIRC1040105A005	C RESISTOR	100KΩ 1/10W	
R429	BIRC1010105A005	C RESISTOR	100Ω 1/10W		R536	BIRC3920105A005	C RESISTOR	3.9KΩ 1/10W	
R430	BIRC1050105A005	C RESISTOR	1MΩ 1/10W		R537	BIRC5620105A005	C RESISTOR	5.6KΩ 1/10W	
R431	BIRC2230105A005	C RESISTOR	22KΩ 1/10W		R538	BIRC1000105A005	C RESISTOR	10Ω 1/10W	
R432	BIRC1010105A005	C RESISTOR	100Ω 1/10W		R539	BIRC1030105A005	C RESISTOR	10KΩ 1/10W	
R433	BIRC1530105A005	C RESISTOR	15KΩ 1/10W		R540	BIRC1030105A005	C RESISTOR	10KΩ 1/10W	

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
R542	BIRC2220105A005	C RESISTOR	2.2KΩ 1/10W		R806	BIRC1010105A005	C RESISTOR	100Ω 1/10W	
R543	BIRC1030105A005	C RESISTOR	10KΩ 1/10W		R807	BIRC1010105A005	C RESISTOR	100Ω 1/10W	
R544	BIRC1030105A005	C RESISTOR	10KΩ 1/10W		R808	BIRC1040105A005	C RESISTOR	100KΩ 1/10W	
R545	BIRC1030105A005	C RESISTOR	10KΩ 1/10W		R809	BIRC1040105A005	C RESISTOR	100KΩ 1/10W	
R546	BIRC1540105A005	C RESISTOR	150KΩ 1/10W		R810	BIRC1010105A005	C RESISTOR	100Ω 1/10W	
R547	BIRC2220105A005	C RESISTOR	2.2KΩ 1/10W		R811	BIRC1010105A005	C RESISTOR	100Ω 1/10W	
R548	BIRC2220105A005	C RESISTOR	2.2KΩ 1/10W		R812	BIRC1020085M000	C RESISTOR	1KΩ 1/8W	
R549	BIRC3320105A005	C RESISTOR	3.3KΩ 1/10W		R813	BIRC1020085M000	C RESISTOR	1KΩ 1/8W	
R550	BIRC2220105A005	C RESISTOR	2.2KΩ 1/10W		R814	BIRC1210085M000	C RESISTOR	120Ω 1/8W	
R551	BIRC1030105A005	C RESISTOR	10KΩ 1/10W		R815	BIRC1010105A005	C RESISTOR	100Ω 1/10W	
R552	BIRC1030105A005	C RESISTOR	10KΩ 1/10W		R816	BIRC1010105A005	C RESISTOR	100Ω 1/10W	
R553	BIRC1030105A005	C RESISTOR	10KΩ 1/10W		R817	BIRC1010105A005	C RESISTOR	100Ω 1/10W	
R554	BIRC1540105A005	C RESISTOR	150KΩ 1/10W						
R555	BIRC2220105A005	C RESISTOR	2.2KΩ 1/10W		L1	BI26027000KM002	FIXED INDUCTOR	2.7uH	
R556	BIRC2220105A005	C RESISTOR	2.2KΩ 1/10W		L2	BI18A843556N000	FILTER BEAD	F-B 843556	
R557	BIRC3320105A005	C RESISTOR	3.3KΩ 1/10W		L3	BI7A0170	FM COIL	5mmx3.5T	
R558	BIRC4720105A005	C RESISTOR	4.7KΩ 1/10W		L4	BI7A0171	FM COIL	FT12 2.5T	
R559	BIRC4730105A005	C RESISTOR	47KΩ 1/10W		L5	BI26101000KM002	FIXED INDUCTOR	100uH	
R560	BIRC2230105A005	C RESISTOR	22KΩ 1/10W		L6	BI26220000KM002	FIXED INDUCTOR	22uH	
R561	BIRC2230105A005	C RESISTOR	22KΩ 1/10W		L7	BI18A843556N000	FILTER BEAD	F-B 843556	
R562	BIRC2230105A005	C RESISTOR	22KΩ 1/10W		L50	BI26221000KM002	FIXED INDUCTOR	220uH	
R563	BIRC4710105A005	C RESISTOR	470Ω 1/10W		L301	BI26100000KN000	FIXED INDUCTOR	10uH	
R565	BIRC4710105A005	C RESISTOR	470Ω 1/10W		L302	BI18A843556N000	FILTER BEAD	F-B 843556	
R566	BIRC6820105A005	C RESISTOR	6.8KΩ 1/10W		L303	BI18A916121A005	FERRITE BEAD	9M16GD	
R567	BIRC3320105A005	C RESISTOR	3.3KΩ 1/10W		L501	BI18A843556N000	FILTER BEAD	F-B 843556	
R701	BIRC0820105A005	C RESISTOR	8.2Ω 1/10W		L503	BI18A843556N000	FILTER BEAD	F-B 843556	
R702	BIRC8230105A005	C RESISTOR	82KΩ 1/10W		L505	BI18A843556N000	FILTER BEAD	F-B 843556	
R703	BIRC3930105A005	C RESISTOR	39KΩ 1/10W		L702	BI26100000KN000	FIXED INDUCTOR	10uH	
R704	BIRC3930105A005	C RESISTOR	39KΩ 1/10W		L801	BI26100000KN000	FIXED INDUCTOR	10uH	
R705	BIRC3930105A005	C RESISTOR	39KΩ 1/10W		L802	BI26100000KN000	FIXED INDUCTOR	10uH	
R706	BIRC3930105A005	C RESISTOR	39KΩ 1/10W		L803	BI26100000KN000	FIXED INDUCTOR	10uH	
R707	BIRC8230105A005	C RESISTOR	82KΩ 1/10W		L804	BI26100000KN000	FIXED INDUCTOR	10uH	
R708	BIRC4700105A005	C RESISTOR	47Ω 1/10W		L805	BI26100000KN000	FIXED INDUCTOR	10uH	
R709	BIRC4720105A005	C RESISTOR	4.7KΩ 1/10W		L806	BI18A916121A005	FERRITE BEAD	9M16GD	
R710	BIRC1010105A005	C RESISTOR	100Ω 1/10W		L807	BI18A843556N000	FILTER BEAD	F-B 843556	
R711	BIRC5620105A005	C RESISTOR	5.6KΩ 1/10W		L808	BI18A843556N000	FILTER BEAD	F-B 843556	
R714	BIRC1030105A005	C RESISTOR	10KΩ 1/10W		T1	BI112S30039	FILTER	450KHz AC009	
R715	BIRC1830105A005	C RESISTOR	18KΩ 1/10W		T2	BI605082	AM PACK COIL	7RBW	
R716	BIRC2230105A005	C RESISTOR	22KΩ 1/10W		T401	BI605071	BIAS COIL	864306	
R717	BIRC1050105A005	C RESISTOR	1MΩ 1/10W						
R718	BIRC1030105A005	C RESISTOR	10KΩ 1/10W		ANT	BI202426010101	ANT PLATE	T=0.3mm	
R719	BIRC5620105A005	C RESISTOR	5.6KΩ 1/10W		CF1	BI29LT10.7MP015	CER.FILTER	10.7MHz	
R720	BIRC1020105A005	C RESISTOR	1KΩ 1/10W		CF2	BI29LT10.7MP015	CER.FILTER	10.7MHz	
R721	BIRC1030105A005	C RESISTOR	10KΩ 1/10W		CF3	BI29JT10.7MP015	DISCRIMINATOR	10.7MHz	
R722	BIRC1030105A005	C RESISTOR	10KΩ 1/10W		CF4	BI29GFM3TP0151	B P FILTER	GFM3-T	
R723	BIRC6830105A005	C RESISTOR	68KΩ 1/10W		CN201	BI12S1800061V	FFC CONNECTOR	18P V 1.25mm	
R724	BIRC5630105A005	C RESISTOR	56KΩ 1/10W		CN205	BI12S30039V	CONNECTOR	3P	
R725	BIRC1530105A005	C RESISTOR	15KΩ 1/10W		CN401	BI12S30039V	CONNECTOR	3P	
R726	BIRC4730105A005	C RESISTOR	47KΩ 1/10W		CN402	BI12S8024V	CONNECTOR	8P	
R727	BIRC1240105A005	C RESISTOR	120KΩ 1/10W		CN403	BI12S110020V	FFC CONNECTOR	11P	
R728	BIRC4730105A005	C RESISTOR	47KΩ 1/10W		CN601	BI12S220006V	FFC CONNECTOR	22P	
R729	BIRC1240105A005	C RESISTOR	120KΩ 1/10W		CN701	BI1205291V	FFC CONNECTOR	16P	
R730	BIRC1240105A005	C RESISTOR	120KΩ 1/10W		CN702	BI12P60142V	CONN. WIRE	6P	
R731	BIRC1040105A005	C RESISTOR	100KΩ 1/10W		CN703	BI12P100035V	CONN. WIRE	10P	
R732	BIRC4730105A005	C RESISTOR	47KΩ 1/10W		JA302	BI2301201V	TERMINAL	PST-404 4P	
R750	BIRC8200105A005	C RESISTOR	82Ω 1/10W		JR1	BIRC0000165A005	C RESISTOR	0Ω 1/16W	
R751	BIRC1010105A005	C RESISTOR	100Ω 1/10W		JR2	BIRC0000165A005	C RESISTOR	0Ω 1/16W	
R752	BIRC1330165A005	C RESISTOR	13KΩ 1/16W		JR3	BIRC0000165A005	C RESISTOR	0Ω 1/16W	
R753	BIRC1330165A005	C RESISTOR	13KΩ 1/16W		JR5	BIRC0000085A003	C RESISTOR	0Ω 1/8W	
R754	BIRC1330165A005	C RESISTOR	13KΩ 1/16W		JR6	BIRC0000085A003	C RESISTOR	0Ω 1/8W	
R755	BIRC1330165A005	C RESISTOR	13KΩ 1/16W		JR7	BIRC0000085A003	C RESISTOR	0Ω 1/8W	
R756	BIRC4720105A005	C RESISTOR	4.7KΩ 1/10W		JR8	BIRC0000165A005	C RESISTOR	0Ω 1/16W	
R757	BIRC1020105A005	C RESISTOR	1KΩ 1/10W		JR9	BIRC0000165A005	C RESISTOR	0Ω 1/16W	
R758	BIRC1810105A005	C RESISTOR	180Ω 1/10W		JR10	BIRC0000165A005	C RESISTOR	0Ω 1/16W	
R759	BIRC1030105A005	C RESISTOR	10KΩ 1/10W		JR11	BIRC0000165A005	C RESISTOR	0Ω 1/16W	
R760	BIRC1030105A005	C RESISTOR	10KΩ 1/10W		JR12	BIRC0000165A005	C RESISTOR	0Ω 1/16W	
R761	BIRC6820105A005	C RESISTOR	6.8KΩ 1/10W		JR13	BIRC0000165A005	C RESISTOR	0Ω 1/16W	
R762	BIRC1020105A005	C RESISTOR	1KΩ 1/10W		JR14	BIRC0000165A005	C RESISTOR	0Ω 1/16W	
R763	BIRC2020105A005	C RESISTOR	2KΩ 1/10W		JR15	BIRC0000085A003	C RESISTOR	0Ω 1/8W	
R764	BIRC0220025N000	C RESISTOR	2.2Ω 1/2W		JR16	BIRC0000085A003	C RESISTOR	0Ω 1/8W	
R780	BIRC1010105A005	C RESISTOR	100Ω 1/10W		JR17	BIRC0000085A003	C RESISTOR	0Ω 1/8W	
R781	BIRC1010105A005	C RESISTOR	100Ω 1/10W		JR18	BIRC0000165A005	C RESISTOR	0Ω 1/16W	
R782	BIRC1010105A005	C RESISTOR	100Ω 1/10W		JR19	BIRC0000165A005	C RESISTOR	0Ω 1/16W	
R801	BIRC1210105A005	C RESISTOR	120Ω 1/10W		JR20	BIRC0000165A005	C RESISTOR	0Ω 1/16W	
R802	BIRC1010105A005	C RESISTOR	100Ω 1/10W		JR21	BIRC0000085A003	C RESISTOR	0Ω 1/8W	
R803	BIRC1010105A005	C RESISTOR	100Ω 1/10W		JR22	BIRC0000165A005	C RESISTOR	0Ω 1/16W	
R804	BIRC1050105A005	C RESISTOR	1MΩ 1/10W		JR23	BIRC0000165A005	C RESISTOR	0Ω 1/16W	
R805	BIRC1010105A005	C RESISTOR	100Ω 1/10W		JR24	BIRC0000085A003	C RESISTOR	0Ω 1/8W	

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
JR26	BIRC0000085A003	C RESISTOR	0Ω 1/8W		R226	BIRC1820105A005	C RESISTOR	1.8KΩ 1/10W	
JR28	BIRC0000165A005	C RESISTOR	0Ω 1/16W		R227	BIRC2020105A005	C RESISTOR	2KΩ 1/10W	
P1	BI11A050M0V	WIRE	50mm		R228	BIRC3020105A005	C RESISTOR	3KΩ 1/10W	
X1	BI2100942	CRYSTAL	75KHz		R229	BIRC3920105A005	C RESISTOR	3.9KΩ 1/10W	
X801	BI2102361	CRYSTAL	16.9344MHz		R230	BIRC6220105A005	C RESISTOR	6.2KΩ 1/10W	
XT301	BI2101012	CRYSTAL	32.768KHz		R231	BIRC9110105A005	C RESISTOR	910Ω 1/10W	
XT302	BI29ZTA8.00P015	C. RESONTOR	8MHz		R232	BIRC1120165A005	C RESISTOR	1.1KΩ 1/10W	
XXXXX	BI251407G01V	MAIN PWB			R233	BIRC1220105A005	C RESISTOR	1.2KΩ 1/10W	

Front board

Block No. [0][2]

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
IC201	RPM7138-V4	IC	BI115291		R240	BIRC1030105A005	C RESISTOR	10KΩ 1/10W	
IC202	S5G5128A	IC	BI116661		R242	BIRC1000105A005	C RESISTOR	10Ω 1/10W	
Q201	DTC114TK	DIGI TRANSISTOR	BI2DTC114TKA011		R246	BIRC1030105A005	C RESISTOR	10KΩ 1/10W	
Q202	DTC114TK	DIGI TRANSISTOR	BI2DTC114TKA011		R248	BIRC1020105A005	C RESISTOR	1KΩ 1/10W	
Q205	DTC114TK	DIGI TRANSISTOR	BI2DTC114TKA011		R249	BIRC1020105A005	C RESISTOR	1KΩ 1/10W	
D201	1SS133	FR DIODE	BI31SS133M0007		R250	BIRC1020105A005	C RESISTOR	1KΩ 1/10W	
D202	1SS133	FR DIODE	BI31SS133M0007		R251	BIRC4730105A005	C RESISTOR	47KΩ 1/10W	
D206	1SS133	FR DIODE	BI31SS133M0007		R252	BIRC4730105A005	C RESISTOR	47KΩ 1/10W	
D207	1SS133	FR DIODE	BI31SS133M0007		R253	BIRC4730105A005	C RESISTOR	47KΩ 1/10W	
D208	1SS133	FR DIODE	BI31SS133M0007		R254	BIRC4730105A005	C RESISTOR	47KΩ 1/10W	
C201	BICC103500KA042	C CAPACITOR	0.01uF		R255	BIRC4730105A005	C RESISTOR	47KΩ 1/10W	
C202	BICC103500KA042	C CAPACITOR	0.01uF		R256	BIRC4730105A005	C RESISTOR	47KΩ 1/10W	
C203	BICE106500MP010	E CAPACITOR	10uF		R257	BIRC4730105A005	C RESISTOR	47KΩ 1/10W	
C204	BICC102500KA042	C CAPACITOR	1000pF		R258	BIRC4730105A005	C RESISTOR	47KΩ 1/10W	
C205	BICE226500MP010	E CAPACITOR	22uF		R259	BIRC4730105A005	C RESISTOR	47KΩ 1/10W	
C207	BICE226500MP010	E CAPACITOR	22uF		R260	BIRC4730105A005	C RESISTOR	47KΩ 1/10W	
C209	BICC104500KA042	C CAPACITOR	0.1uF		R261	BIRC4730105A005	C RESISTOR	47KΩ 1/10W	
C210	BICC103500KA042	C CAPACITOR	0.01uF		R262	BIRC4730105A005	C RESISTOR	47KΩ 1/10W	
C211	BICE107500MP015	E CAPACITOR	100uF		R263	BIRC4730105A005	C RESISTOR	47KΩ 1/10W	
C212	BICC104500KA042	C CAPACITOR	0.1uF		R264	BIRC4730105A005	C RESISTOR	47KΩ 1/10W	
C213	BICC104500KA042	C CAPACITOR	0.1uF		R265	BIRC4730105A005	C RESISTOR	47KΩ 1/10W	
C220	BICC104500KA042	C CAPACITOR	0.1uF		R266	BIRC4730105A005	C RESISTOR	47KΩ 1/10W	
C221	BICC102500KA042	C CAPACITOR	1000pF		R267	BIRC4730105A005	C RESISTOR	47KΩ 1/10W	
C222	BICC102500KA042	C CAPACITOR	1000pF		R268	BIRC4730105A005	C RESISTOR	47KΩ 1/10W	
C223	BICH223500KM019	C CAPACITOR	0.022uF		R269	BIRC4730105A005	C RESISTOR	47KΩ 1/10W	
C224	BICC102500KA042	C CAPACITOR	1000pF		R270	BIRC4730105A005	C RESISTOR	47KΩ 1/10W	
C225	BICC104500KA042	C CAPACITOR	0.1uF		R271	BIRC4730105A005	C RESISTOR	47KΩ 1/10W	
C226	BICC104500KA042	C CAPACITOR	0.1uF		R272	BIRC4730105A005	C RESISTOR	47KΩ 1/10W	
C227	BICC101500JA041	C CAPACITOR	100pF		R273	BIRC4730105A005	C RESISTOR	47KΩ 1/10W	
C228	BICC101500JA041	C CAPACITOR	100pF		R274	BIRC4730105A005	C RESISTOR	47KΩ 1/10W	
C229	BICC101500JA041	C CAPACITOR	100pF		R275	BIRC4730105A005	C RESISTOR	47KΩ 1/10W	
C230	BICC102500KA042	C CAPACITOR	1000pF		R276	BIRC4730105A005	C RESISTOR	47KΩ 1/10W	
C231	BICC102500KA042	C CAPACITOR	1000pF		R277	BIRC4730105A005	C RESISTOR	47KΩ 1/10W	
R201	BIRC0000165A005	C RESISTOR	0Ω 1/16W		R278	BIRC4730105A005	C RESISTOR	47KΩ 1/10W	
R203	BIRC1030105A005	C RESISTOR	10KΩ 1/10W		R279	BIRC4730105A005	C RESISTOR	47KΩ 1/10W	
R204	BIRC1030105A005	C RESISTOR	10KΩ 1/10W		R280	BIRC4730105A005	C RESISTOR	47KΩ 1/10W	
R205	BIRC1010105A005	C RESISTOR	100Ω 1/10W		R281	BIRC4730105A005	C RESISTOR	47KΩ 1/10W	
R206	BIRC2210105A005	C RESISTOR	220Ω 1/10W		R282	BIRC4730105A005	C RESISTOR	47KΩ 1/10W	
R207	BIRC0100105A005	C RESISTOR	1Ω 1/10W		R283	BIRC4730105A005	C RESISTOR	47KΩ 1/10W	
R208	BIRC0100105A005	C RESISTOR	1Ω 1/10W		R284	BIRC4730105A005	C RESISTOR	47KΩ 1/10W	
R209	BIRC2200105A005	C RESISTOR	22Ω 1/10W		R285	BIRC8200105A005	C RESISTOR	82Ω 1/10W	
R210	BIRC2730105A005	C RESISTOR	27KΩ 1/10W		R286	BIRC8200105A005	C RESISTOR	82Ω 1/10W	
R212	BIRC1030085M000	C RESISTOR	10KΩ 1/8W		R290	BIRC0000165A005	C RESISTOR	0Ω 1/16W	
R213	BIRC1030105A005	C RESISTOR	10KΩ 1/10W		R291	BIRC1010105A005	C RESISTOR	100Ω 1/10W	
R214	BIRC1030105A005	C RESISTOR	10KΩ 1/10W		R292	BIRC1010105A005	C RESISTOR	100Ω 1/10W	
R215	BIRC9110105A005	C RESISTOR	910Ω 1/10W		R293	BIRC1010105A005	C RESISTOR	100Ω 1/10W	
R216	BIRC1120165A005	C RESISTOR	1.1KΩ 1/10W		VR201	BI804401	JOG SWITCH	RE012307P	
R217	BIRC1220105A005	C RESISTOR	1.2KΩ 1/10W		L201	BI2610000KM002	COIL	10UH	
R218	BIRC1820105A005	C RESISTOR	1.8KΩ 1/10W		L202	BI26010000KM002	COIL	1uH	
R219	BIRC2020105A005	C RESISTOR	2KΩ 1/10W		L203	BI18A843556N000	FILTER BEAD	843556	
R220	BIRC3020105A005	C RESISTOR	3KΩ 1/10W		CW201	BI12S1800071	FFC CONNECTOR	18P H 1.25mm	
R221	BIRC3920105A005	C RESISTOR	3.9KΩ 1/10W		CW202	BI12P402341	CONN. WIRE	4P	
R222	BIRC6220105A005	C RESISTOR	6.2KΩ 1/10W		CW205	BI12P30232V	WIRE	3P	
R223	BIRC9110105A005	C RESISTOR	910Ω 1/10W		FL201	BI2701941	VFD	HNA-14MS09	
R224	BIRC1120165A005	C RESISTOR	1.1KΩ 1/10W		JK201	BI2301481V	EARPHONE JACK	PJ-310H	
R225	BIRC1220105A005	C RESISTOR	1.2KΩ 1/10W		JK202	BI2301471V	AUX JACK	PJ-310H-03	
					JR201	BIRC2020105A005	C RESISTOR	2KΩ 1/10W	
					JR202	BIRC2020105A005	C RESISTOR	2KΩ 1/10W	
					LD201	B4531E	LED	BI28B4531EP0110	
					LD202	SLR-342	LED	BI28SLR342VP010	
					S201	BI8SKRGAED0P015	TOUCH SWITCH	SKRGAED010	
					S202	BI8SKRGAED0P015	TOUCH SWITCH	SKRGAED010	

△ Symbol No.	Part No.	Part Name	Description	Local
R601	BIRC4720105A005	C RESISTOR	4.7KΩ 1/10W	
R602	BIRC7500105A005	C RESISTOR	75Ω 1/10W	
R605	BIRC1020105A005	C RESISTOR	1KΩ 1/10W	
R606	BIRC3320105A005	C RESISTOR	3.3KΩ 1/10W	
R607	BIRC2220105A005	C RESISTOR	2.2KΩ 1/10W	
R608	BIRC1010085N000	C RESISTOR	100Ω 1/8W	
R609	BIRC1010085N000	C RESISTOR	100Ω 1/8W	
R610	BIRC1540105A005	C RESISTOR	150KΩ 1/10W	
R611	BIRC5630105A005	C RESISTOR	56KΩ 1/10W	
R612	BIRC4720105A005	C RESISTOR	4.7KΩ 1/10W	
R613	BIRF1010025N000	FUSE RESISTOR	100Ω 1/2W	
R614	BIRF1010025N000	FUSE RESISTOR	100Ω 1/2W	
R615	BIRM1020N25N000	M RESISTOR	1KΩ 2W	
R616	BIRM1020N25N000	M RESISTOR	1KΩ 2W	
R617	BIRC5610105A005	C RESISTOR	560Ω 1/10W	
R618	BIRC0000105A005	C RESISTOR	0Ω 1/16W	
R620	BIRC3330105A005	C RESISTOR	33KΩ 1/10W	
R621	BIRC5610105A005	C RESISTOR	560Ω 1/10W	
R622	BIRC0000105A005	C RESISTOR	0Ω 1/16W	
R624	BIRC2720105A005	C RESISTOR	2.7KΩ 1/10W	
R625	BIRC2720105A005	C RESISTOR	2.7KΩ 1/10W	
R627	BIRC4720105A005	C RESISTOR	4.7KΩ 1/10W	
R628	BIRC2220105A005	C RESISTOR	2.2KΩ 1/10W	
R629	BIRC2220105A005	C RESISTOR	2.2KΩ 1/10W	
R630	BIRC2220105A005	C RESISTOR	2.2KΩ 1/10W	
R631	BIRC2220105A005	C RESISTOR	2.2KΩ 1/10W	
R632	BIRM001530V	M RESISTOR	0.15Ω 3W	
R633	BIRM001530V	M RESISTOR	0.15Ω 3W	
R634	BIRM001530V	M RESISTOR	0.15Ω 3W	
R635	BIRM001530V	M RESISTOR	0.15Ω 3W	
R636	BIRC1020105A005	C RESISTOR	1KΩ 1/10W	
R637	BIRC1020105A005	C RESISTOR	1KΩ 1/10W	
R638	BIRC1530105A005	C RESISTOR	15KΩ 1/10W	
R639	BIRC1530105A005	C RESISTOR	15KΩ 1/10W	
R640	BIRF1010025N000	FUSE RESISTOR	100Ω 1/2W	
R641	BIRF1010025N000	FUSE RESISTOR	100Ω 1/2W	
R642	BIRC1020105A005	C RESISTOR	1KΩ 1/10W	
R643	BIRC1020105A005	C RESISTOR	1KΩ 1/10W	
R644	BIRC1030105A005	C RESISTOR	10KΩ 1/10W	
R645	BIRC1030105A005	C RESISTOR	10KΩ 1/10W	
R646	BIRC4710105A005	C RESISTOR	470Ω 1/10W	
R647	BIRC4740105A005	C RESISTOR	470KΩ 1/10W	
R648	BIRC0470045N000	C RESISTOR	4.7Ω 1/4W	
R649	BIRC0470045N000	C RESISTOR	4.7Ω 1/4W	
R650	BIRC1040105A005	C RESISTOR	100KΩ 1/10W	
R651	BIRC1040105A005	C RESISTOR	100KΩ 1/10W	
R652	BIRC1040105A005	C RESISTOR	100KΩ 1/10W	
R653	BIRC1000085M000	C RESISTOR	10Ω 1/8W	
R654	BIRC1020105A005	C RESISTOR	1KΩ 1/10W	
R655	BIRC1030105A005	C RESISTOR	10KΩ 1/10W	
R656	BIRC1500085M000	C RESISTOR	15Ω 1/8W	
R657	BIRC6840105A005	C RESISTOR	680KΩ 1/10W	
R658	BIRC4730105A005	C RESISTOR	47KΩ 1/10W	
R659	BIRC2220105A005	C RESISTOR	2.2KΩ 1/10W	
R660	BIRC3920105A005	C RESISTOR	3.9KΩ 1/10W	
R661	BIRC1030105A005	C RESISTOR	10KΩ 1/10W	
R662	BIRC1020105A005	C RESISTOR	1KΩ 1/10W	
R663	BIRC1030105A005	C RESISTOR	10KΩ 1/10W	
R664	BIRC1020105A005	C RESISTOR	1KΩ 1/10W	
R665	BIRM1020N25N000	M RESISTOR	1KΩ 2W	
R666	BIRM1020N25N000	M RESISTOR	1KΩ 2W	
R667	BIRC1030105A005	C RESISTOR	10KΩ 1/10W	
R668	BIRC1020085M000	C RESISTOR	1KΩ 1/8W	
R669	BIRC1220105A005	C RESISTOR	1.2KΩ 1/10W	
R671	BIRC5620085M000	C RESISTOR	5.6KΩ 1/8W	
R672	BIRC3300045M000	C RESISTOR	33Ω	
L601	BI2601141	COIL	3.0uH	
L602	BI2601141	COIL	3.0uH	
CN202	BI12S40047V	CONNECTOR	4P V 2.5mm	
CN602	BI12S200161V	CONNECTOR	4P V 2mm	
CN903	BI12S90025V	CONNECTOR	9P H 2.5mm	
CW601	BI12S220006V	FFC CONNECTOR	22P H 1.25mm	
JK601	BI2301271	TERMINAL SP	PST- 413-151	
JR601	BIRC0000105A005	C RESISTOR	0Ω 1/16W	
△ RF601	BIRF3300025N000	FUSE RESISTOR	33Ω 1/2W	
RY601	BI8RL00191	RELAY	12V	

△ Symbol No.	Part No.	Part Name	Description	Local
XXXXX	BI640MXKB4H0500	AMP PWB		
XXXXX	BI202555010101	HEAT SINK	transistor	
XXXXX	BI12P20205V	WIRE	2P L=60mm	
XXXXX	BIRT103THMSP015	THMS RESISTOR	10KΩ	

Power trans. board

Block No. [0][4]

△ Symbol No.	Part No.	Part Name	Description	Local
△ C951	BICT224275M	CAPACITOR	0.22uF 275V	
CW902	BI12P90062V	WIRE	P=2.5mm L=140mm	
XXXXX	BI201196010101	FUSE HOLDER	CX-NV300	
XXXXX	BI201323010101	TERMINAL	1P	
XXXXX	BI251289G01V	PWR TRANS PWB		

Wiring

Block No. [0][5]

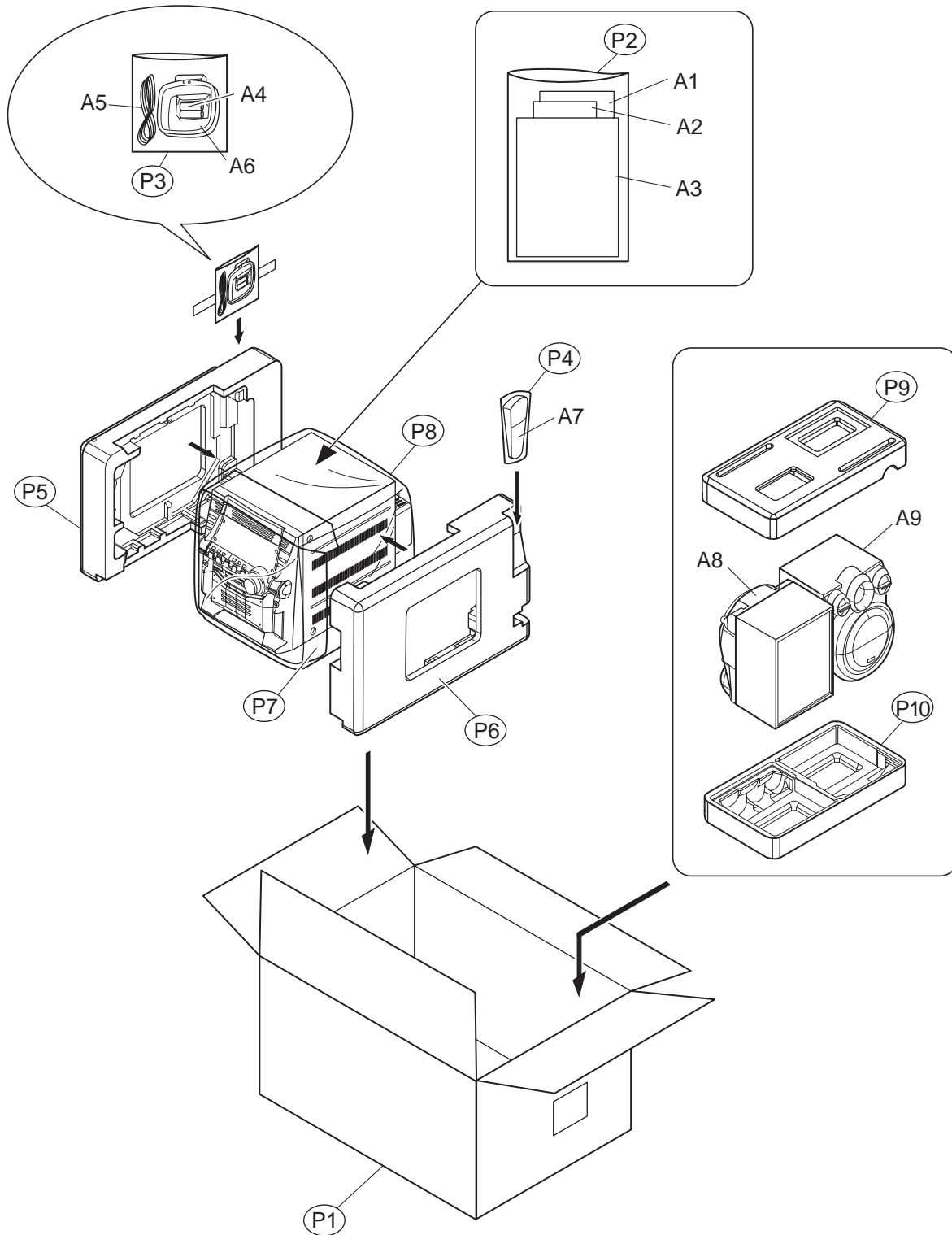
△ Symbol No.	Part No.	Part Name	Description	Local
CN201	BI1206261V	FF CABLE	18P	
CN401	BI12P30215V	WIRE	3P	
CN402	BI12P80102V	WIRE	8P	
CN403	BI1206271V	FF CABLE	11P	
CN601	BI1206251V	FF CABLE	22P	
CN701	BI1205291U	FF CABLE	16P	
XXXXX	BI300723010102	MOUNTING LUG	PG CW-2	

<MEMO>

Packing materials and accessories parts list

Block No. **M 3 M M**

No additional / supplemental order of WARRANTY CARDS are available.



Packing and Accessories

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

△ Symbol No.	Part No.	Part Name	Description	Local
A 1	BI440001511001W	INST BOOK	ENG FRE LVT1343-002B	C
A 1	BI440001504001W	INST BOOK	ENG LVT1343-001B	J
A 2	-----	WARRANTY CARD	BT520062(1002)	C
A 2	-----	WARRANTY CARD	BT510341(0301)	J
A 3	BI4032603U	SAFETY CARD		
A 4	-----	BATTERY	(x2)	
A 5	BIAN01012V	ANT WIRE		
A 6	BIAN01031V	AM LOOP ANT		
A 7	BI643MXKB405SV	REMOTE CONTROL		
A 8	MXKC4-SPBOX-R	SPEAKER BOX R	R	
A 9	MXKC4-SPBOX-L	SPEAKER BOX L	L	
P 1	BI430001814001W	CARTON		C
P 1	BI430001808001W	CARTON		J
P 2	BI4710312U	POLY BAG	INST BOOK	
P 3	BI4710572U	POLY BAG	LOOP ANT	
P 4	BI4005355	POLY BAG		
P 5	BI450012048000W	CUSHION L	UNIT	
P 6	BI450012049000W	CUSHION R	UNIT	
P 7	BI4511452W	SH FOAMED-MAT		
P 8	BI4710322U	POLY BAG	UNIT	
P 9	BI450012014000W	CUSHION TOP	SPEAKER BOX	
P 10	BI450012015000W	CUSHION BOTTOM	SPEAKER BOX	



JVC

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