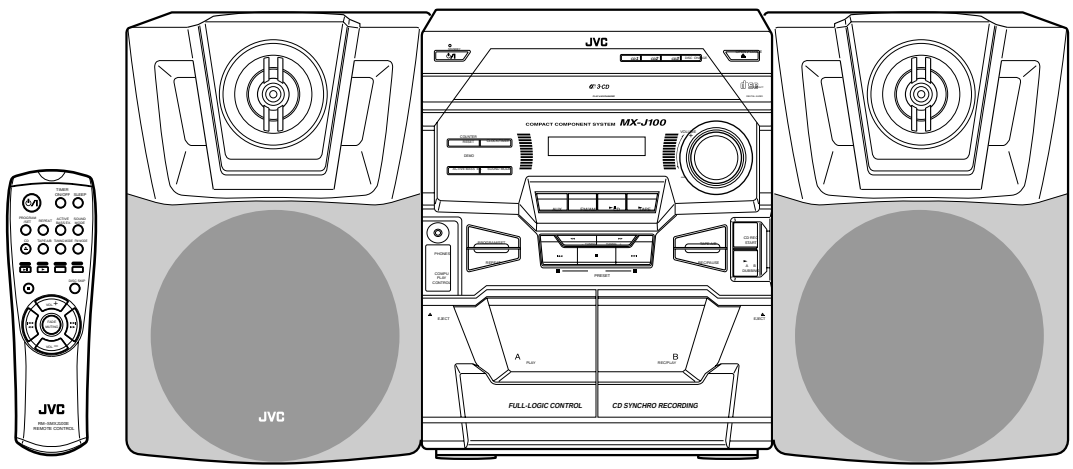
JVC

SERVICE MANUAL

COMPACT COMPONENT SYSTEM

MX-J100

SP-MXJ100 CA-MXJ100 SP-MXJ100



COMPACT disc DIGITAL AUDIO

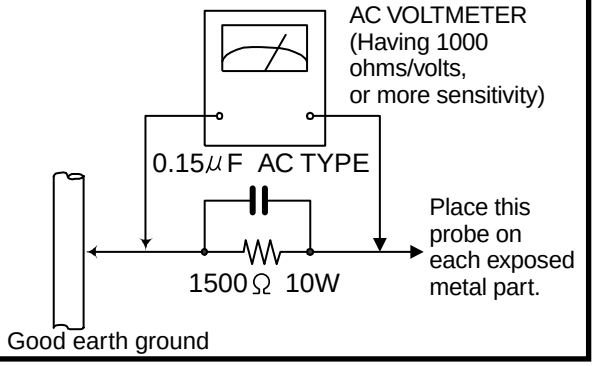
Area Suffix	
B	U.K.
E	Continental Europe
EN	Northern Europe
EE	Russia
EV	Eastern Europe

Contents

No.20854
Aug. 2000

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 manufacture of responsibility for personal injury or property damage resulting therefrom.
3. Many electrical and mechanical parts in the products have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the Parts List of Service Manual. Electrical components having such features are identified by shading on the schematics and by (⚠) on the Parts List in the Service Manual. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement parts shown in the Parts List of Service Manual may create shock, fire, or other hazards.
4. The leads in the products are routed and dressed with ties, clamps, tubings, barriers and the like to be separated from live parts, high temperature parts, moving parts and/or sharp edges for the prevention of electric shock and fire hazard. When service is required, the original lead routing and dress should be observed, and it should be confirmed that they have been returned to normal, after re-assembling.
5. Leakage current check (Electrical shock hazard testing)
   After re-assembling the product, always perform an isolation check on the exposed metal parts of the product (antenna terminals, knobs, metal cabinet, screw heads, headphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock.
   Do not use a line isolation transformer during this check.
   - Plug the AC line cord directly into the AC outlet. Using a "Leakage Current Tester", measure the leakage current from each exposed metal parts of the cabinet , particularly any exposed metal part having a return path to the chassis, to a known good earth ground. Any leakage current must not exceed 0.5mA AC (r.m.s.)
   - Alternate check method
     Plug the AC line cord directly into the AC outlet. Use an AC voltmeter having 1,000 ohms per volt or more sensitivity in the following manner. Connect a 1,500Ω 10W resistor paralleled by a 0.15μF AC-type capacitor between an exposed metal part and a known good earth ground.
     Measure the AC voltage across the resistor with the AC voltmeter.
     Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Voltage measured any must not exceed 0.75 V AC (r.m.s.). This corresponds to 0.5 mA AC (r.m.s.).



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.

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

Important for laser products

1.CLASS 1 LASER PRODUCT

2.DANGER : Invisible laser radiation when open and inter lock failed or defeated. Avoid direct exposure to beam.

3.CAUTION : There are no serviceable parts inside the Laser Unit. Do not disassemble the Laser Unit. Replace the complete Laser Unit if it malfunctions.

4.CAUTION : The compact disc player uses invisible laserradiation and is equipped with safety switches whichprevent emission of radiation when the drawer is open and the safety interlocks have failed or are de feated. It is dangerous to defeat the safety switches.

5.CAUTION : If safety switches malfunction, the laser is able to function.

6.CAUTION : Use of controls, adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

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

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

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

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

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

REPRODUCTION OF LABELS

CLASSIFICATION LABEL, PLACED ON REAR ENCLOSURE

CLASS 1
LASER PRODUCT

WARNING LABEL, PLACED INSIDE THE UNIT

DANGER: Invisible laser radiation when open and interlock failed or defeated. AVOID DIRECT EXPOSURE TO BEAM. (e)

VARNING: Osynlig laserstrålning när denna del är öppnad och spärren är urkopplad. Betrakta ej strålen. (s)

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

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

Preventing static electricity

1. Grounding to prevent damage by static electricity

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

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

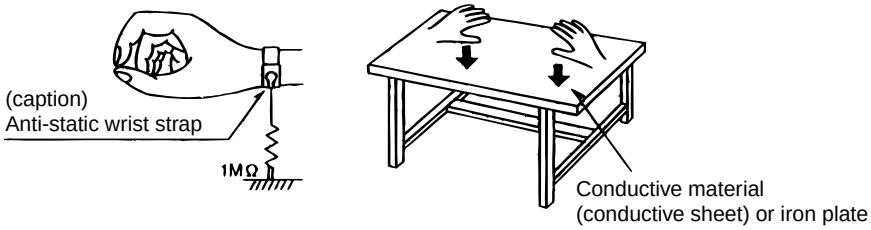
In the equipment which uses optical pick-up (laser diode), optical pick-up is destroyed by the static electricity of the work environment.
Be careful to use proper grounding in the area where repairs are being performed.

2-1 Ground the workbench

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

2-2 Ground yourself

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



3. Handling the optical pickup

1. In order to maintain quality during transport and before installation, both sides of the laser diode on the replacement optical pickup are shorted. After replacement, return the shorted parts to their original condition. (Refer to the text.)

2. Do not use a tester to check the condition of the laser diode in the optical pickup. The tester's internal power source can easily destroy the laser diode.

4. Handling the 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

Attention when CD mechanism assembly is decomposed

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

1. Remove the CD changer unit.
2. Remove the CD changer mechanism.
3. Solder is put up before the card wire is removed from the pickup unit connector on the CD mechanism assembly.
   (When the card wire is removed without putting up solder, the CD pick-up assembly might destroy.)
4. Please remove solder after connecting the card wire with the pickup unit connector when you install picking up in the substrate.

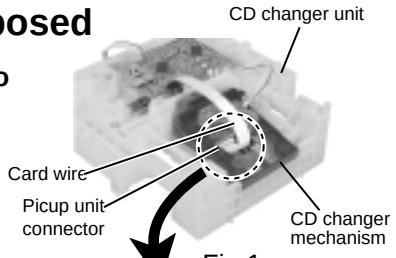


Fig.1

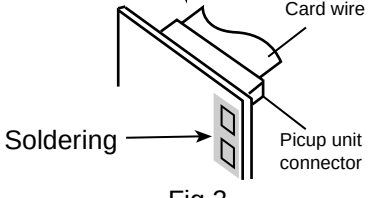


Fig.2

Disassembly method

<Main body>

■ Removing the top cover and the side covers (See Fig.1 to 3)

1. Remove the three screws **A** on the back of the body and the two screws **B** on both sides of the body.

2. Remove the top cover upward from behind.

3. Remove the two screws **C** attaching the side covers on the back of the body and the six screws **D** on both sides.

4. Slide the right and left covers backward and unhook the two hooks **a** in the lower part of the side covers as shown in Fig.2-2.

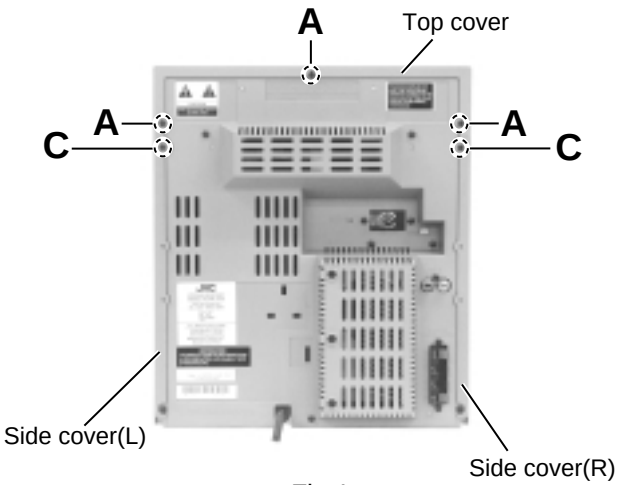


Fig.1

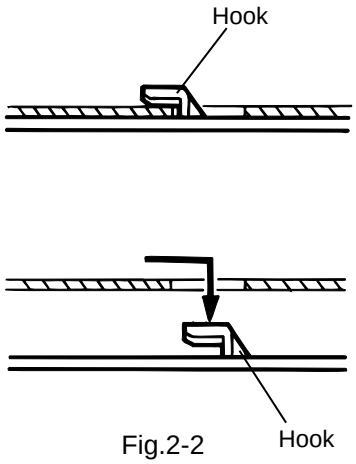


Fig.2-2

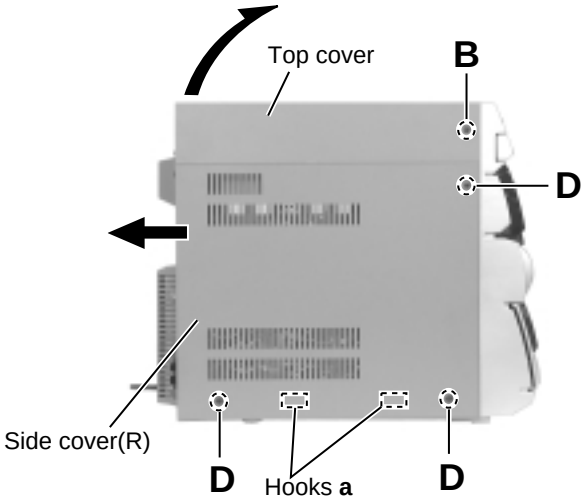


Fig.2

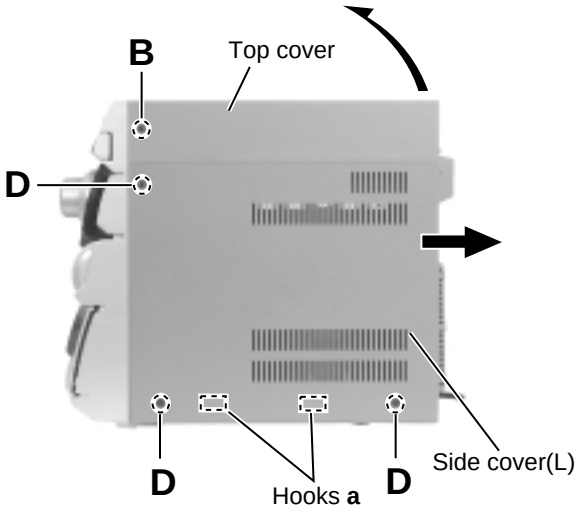


Fig.3

■Removing the CD Tray fitting (See Fig. 4 to 6)

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

ATTENTION: Be sure to remove the CD tray fitting before removing the CD changer unit.

1. Press the POWER button. Press the OPEN/CLOSE button to eject the CD tray.
2. Move the CD tray fitting upward and release the joint **b**.
3. Press the OPEN/CLOSE button to insert the tray.

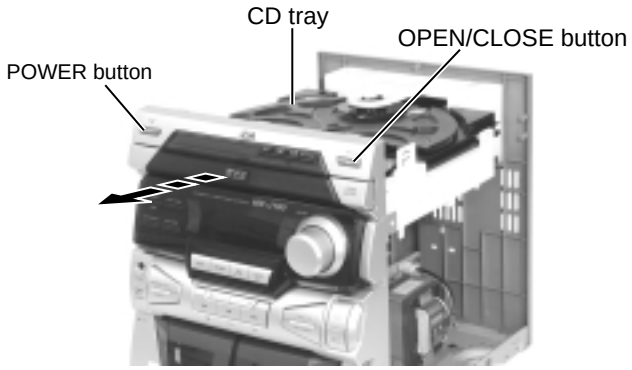


Fig.4

■Removing the CD Tray fitting (See Fig. 5 to 7)

- How to eject the CD tray without turning on power -

1. Turn the black loading pulley gear marked **c** from the back of the CD changer unit as shown in Fig.7 and draw the CD tray toward the front.
2. Move the CD tray fitting upward and release the joint **b**.
3. Push and insert the CD tray manually.

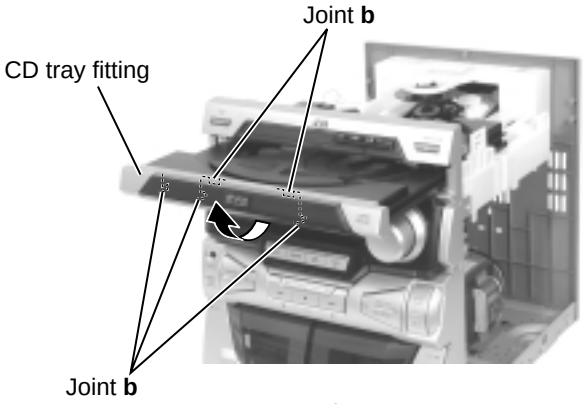


Fig.5

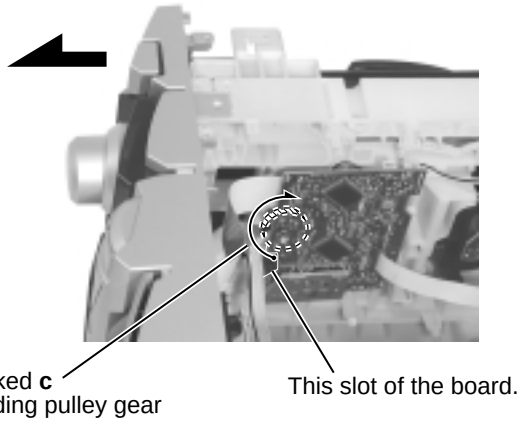


Fig.7

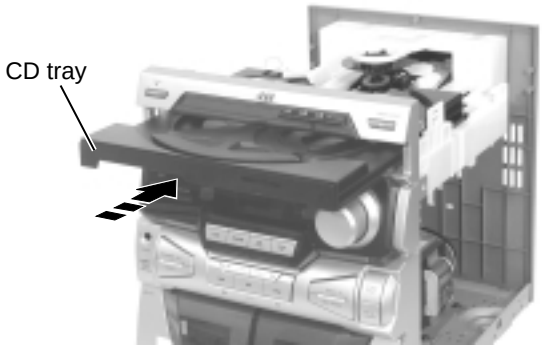


Fig.6

■Removing the CD changer unit (See Fig.8 to 10)

・ Prior to performing the following procedure, remove the top cover, the side covers and the CD Tray fitting.

1. Disconnect the card wire from connector SCW1 of the CD servo board on the back of the CD changer unit.

2. Disconnect the harness from connector FW2 on the inner side of the mother(main) board in the body.

3. Remove the two screws **E** attaching the CD changer unit on the back of the body.

4. Draw the CD changer unit upward from behind while pulling the rear panel outward.

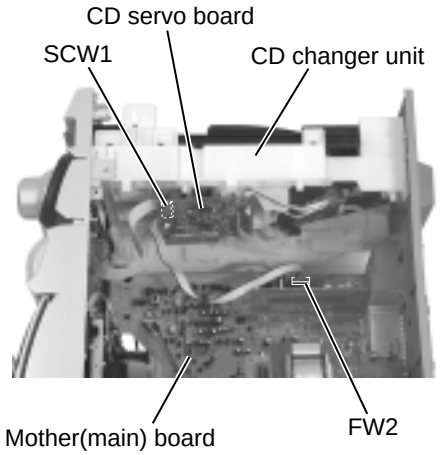


Fig.8

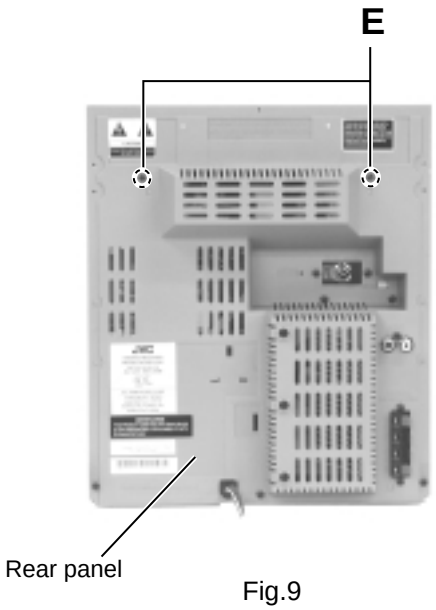


Fig.9

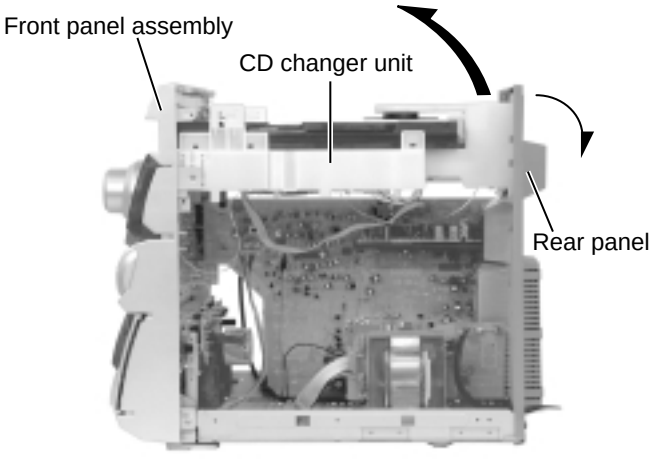


Fig.10

■Removing the front panel assembly

(See Fig.11 to 13)

- Prior to performing the following procedure, remove the top cover, the side covers, the CD Tray fitting and the CD changer unit.

- There is no need to remove the rear panel.

1. Disconnect the harness from head wire connector DW1 and DW2 on the inner side of the mother (main) board in the body.

2. Disconnect the harness from connector HCW1 of the headphone board on the right side of the body.

3. Remove the three screws **F** attaching the front panel assembly on both sides of the body.
   Remove the screw **V** attaching the earth terminal extending from the front compartment.

4. Remove the screw **G** attaching the front panel assembly on the bottom of the body.

5. Release the two joints **d** on both sides and two joints **e** on the bottom of the body using a screwdriver. At the same time, disconnect the front compartment from connector CCW1 and CCW2 of the mother(main) board.

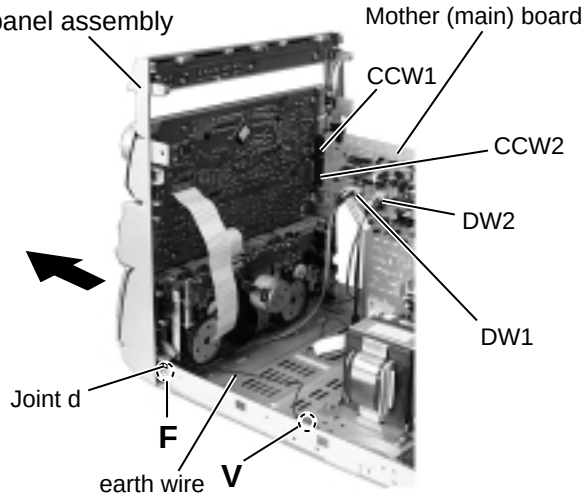


Fig.11

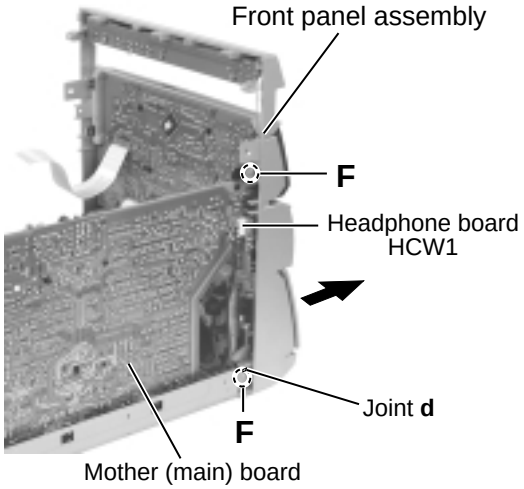


Fig.12

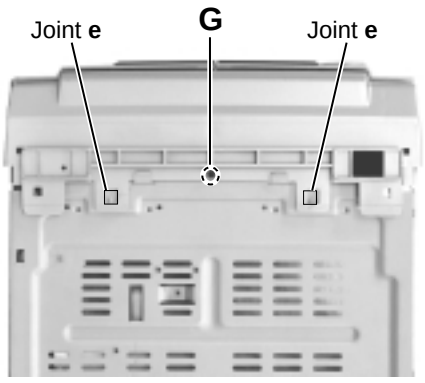


Fig.13

■Removing the rear panel (See Fig.14)

・Prior to performing the following procedure, remove the top cover, the side covers, the CD Tray fitting and the CD changer unit.

・There is no need to remove the front panel assembly.

1. Remove the seven screws **H** attaching the mother(main) board and the tuner board to the rear panel on the back of the body.

2. Remove the three screws **I** attaching the heat sink to the rear panel on the back of the body.

3. Remove the three screws **J** attaching the rear panel on the back of the body.

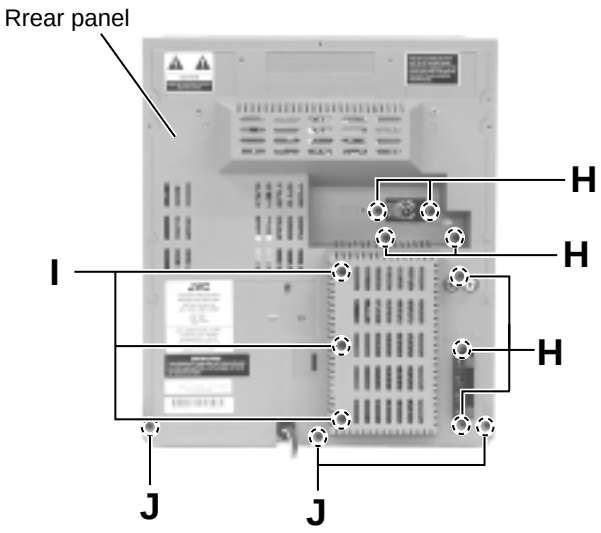


Fig.14

■Removing the mother(main) board (See Fig.15 and 16)

・Prior to performing the following procedure, remove the rear panel.

1. Disconnect the harness from connector HCW1 of the mother(main) board on the right side of the body. Release the harness from the clamp in the body.

2. Disconnect the harness from head wire connector DW1 and DW2 extending to the mother(main) board in the body.

3. Disconnect the harness from connector RCW1 of the power transformer.

4. Remove the screw **K** attaching the earth terminal to the base chassis.

5. Disconnect connector CCW1 and CCW2 connected to the mother(main) board from the front compartment (The mother(main)) board will be detached with the tuner board and the assembly.

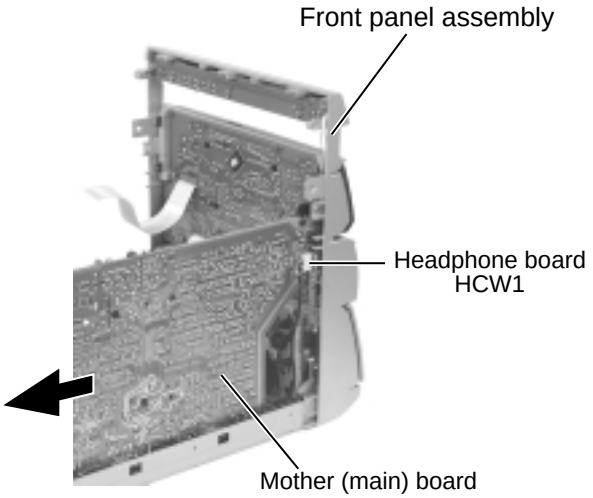


Fig.15

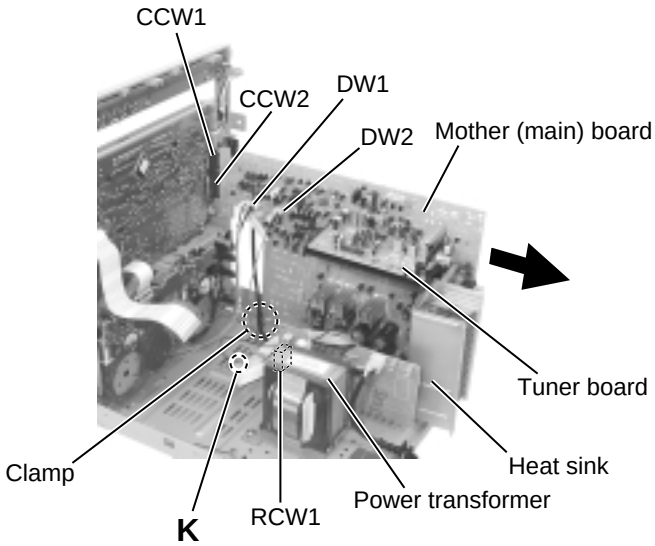


Fig.16

■Removing the heat sink

(See Fig.17 and 18)

・Prior to performing the following procedure, remove the mother(main) board.

1. Remove the three screws **L** attaching the heat sink cover plate.

2. Remove the two screws **M** attaching the power IC to the heat sink and the three screws **N** attaching the heat sink to the mother (main) board.

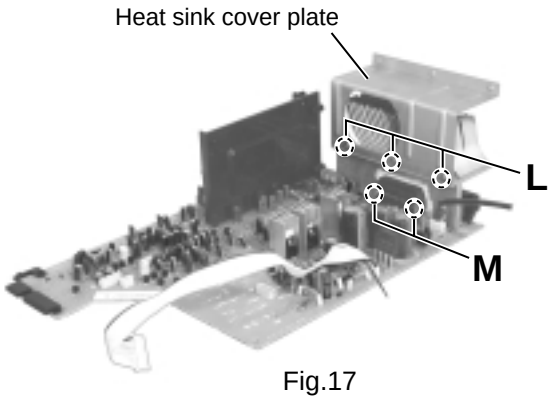


Fig.17

■Removing the tuner Board

(See Fig. 18 to 20)

・The tuner board can be removed even if the mother(main) board is attached.

1. Release the joint tab **f** of the tuner board holder and the mother(main) board, and disconnect connector FW1 connected to the mother(main) board. Remove the tuner board assembly (Refer to Fig.18).

2. Remove the screw **O** attaching the tuner board holder. Release the two tabs **g** outward and remove the tuner board from the holder.

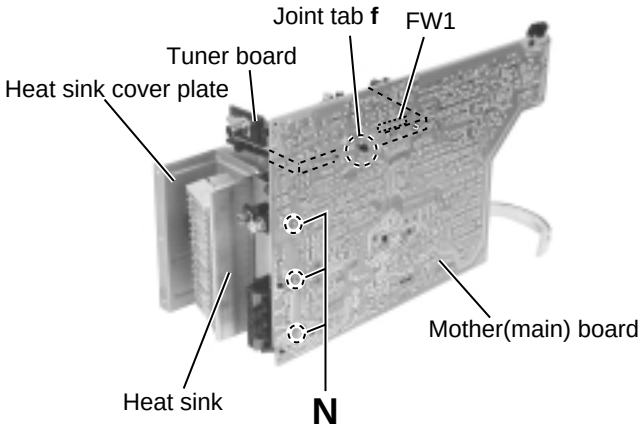


Fig.18

■Removing the power transformer

(See Fig .21)

・Prior to performing the following procedure, remove the top cover and the side covers.

1. Disconnect the power cord from connector RCW2 of the power transformer.

2. Disconnect the harness from connector RCW1 of the power transformer.

3. Remove the four screws **P** attaching the power transformer and the screw **Q** attaching the earth terminal.

   ATTENTION: Prior to disconnecting the power cord from the body, remove the rear panel.

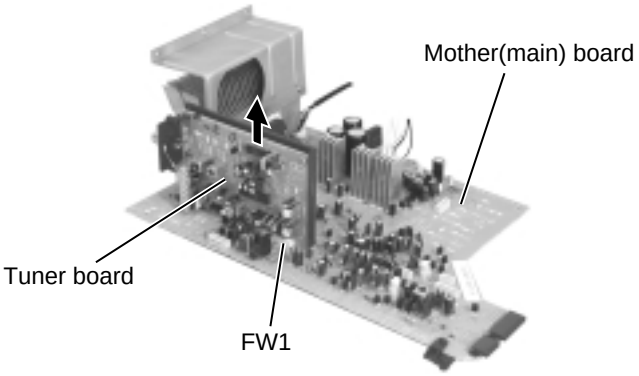


Fig.19

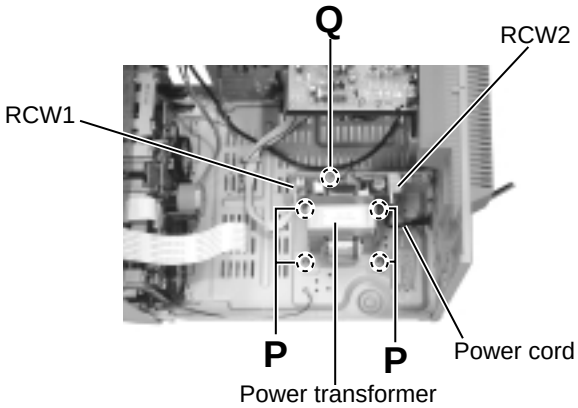


Fig.21

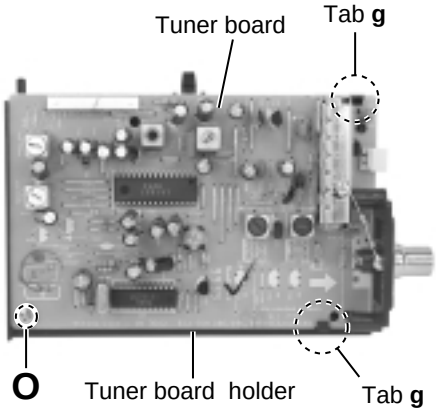


Fig.20

<Front panel assembly>

・Prior to performing the following procedure, remove the top cover, the side covers, the CD tray fitting and the front panel assembly.

■Removing the power / CD switch board (See Fig.22)

1. Remove the three screws **R** attaching the power / CD switch board and release the three tabs **h** outward.

2. Disconnect the harness from connector UCW2 of the power / CD switch board.

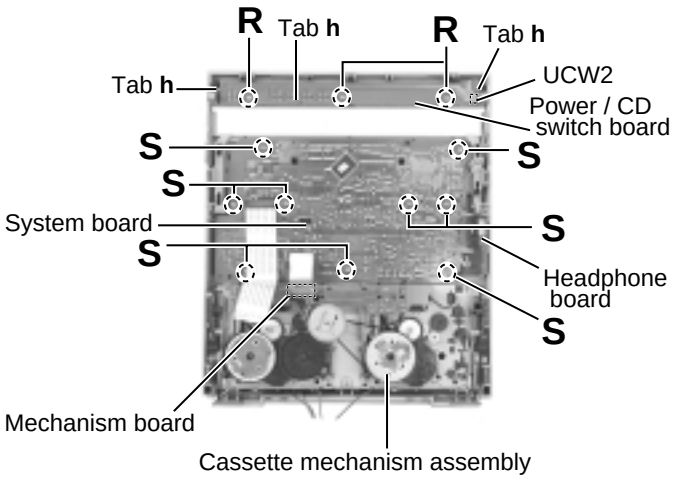


Fig.22

■Removing the system board (See Fig.22 and 23)

・Prior to performing the following procedure, remove the power / CD switch board.

1. Pull out the volume knob toward the front.

2. Disconnect the card wire from the mechanism board of the cassette mechanism assembly.

3. Remove the nine screws **S** attaching the system board.

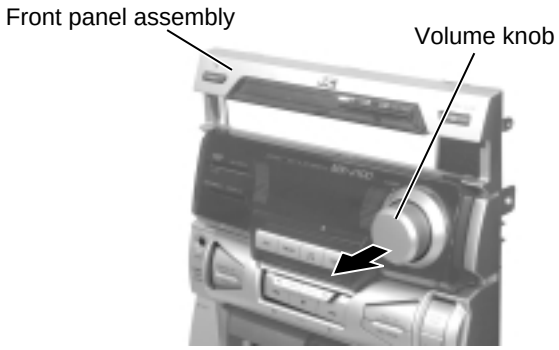


Fig.23

■Removing the headphone board (See Fig.24)

1. Remove the system board temporarily and remove the screw **T** attaching the headphone board. Pull out the headphone board.

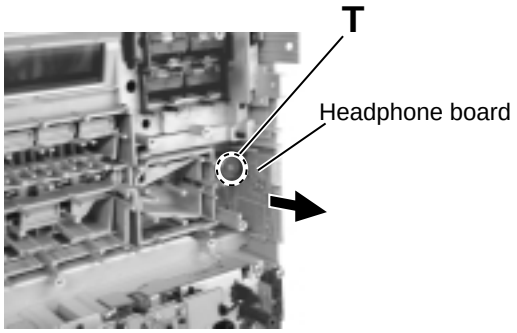


Fig.24

■Removing the cassette mechanism assembly (See Fig.25)

1. Disconnect the card wire from the mechanism board of the cassette mechanism assembly.

2. Remove the seven screws **U** attaching the cassette mechanism assembly.

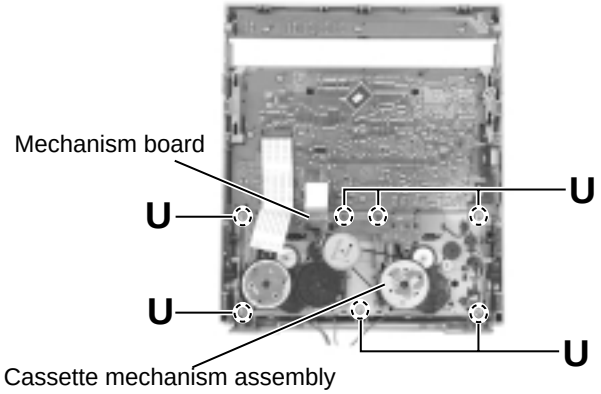


Fig.25

<CD changer unit>

・ Prior to performing the following procedure, remove the CD changer unit.

■Removing the CD tray (See Fig.26 to 28)

1. Turn the black loading pulley gear marked **c** on the under side of the CD changer unit in the direction of the arrow and draw the CD tray toward the front until it stops.

2. Disconnect the card wire from connector SCW5 of the CD servo board on the upper side of the CD changer unit.

3. Push down the two tray stoppers marked **i** and pull out the CD tray.

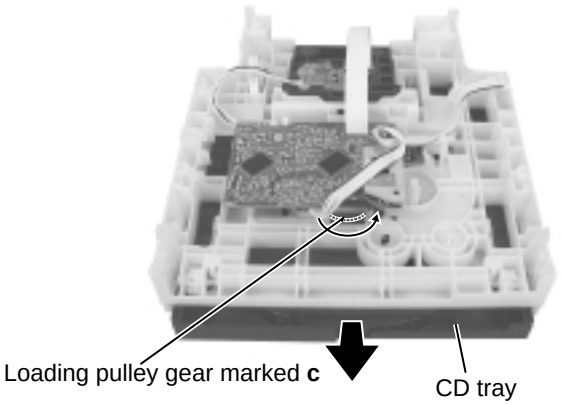


Fig.26

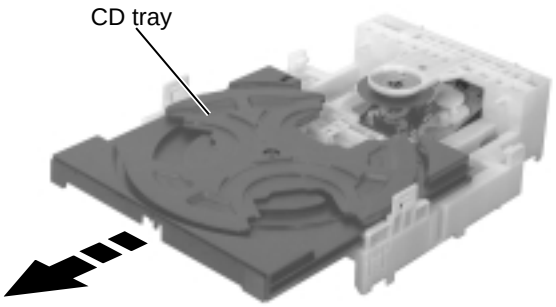


Fig.27

■Reinstall the CD tray (See Fig.29 to 30)

1. Align the gear-cam with the gear-tray as shown fig.29, then mount the CD tray.

2. When assembling the CD tray, take extreme care not engage with gear - synchro.

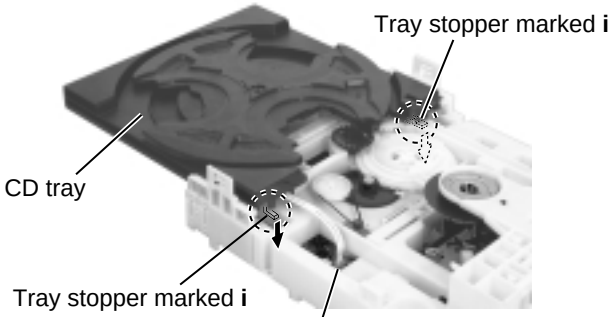


Fig.28

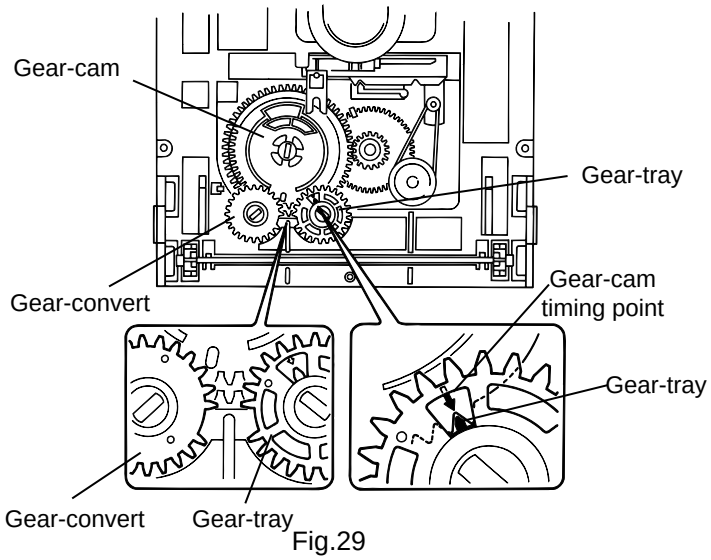


Fig.29

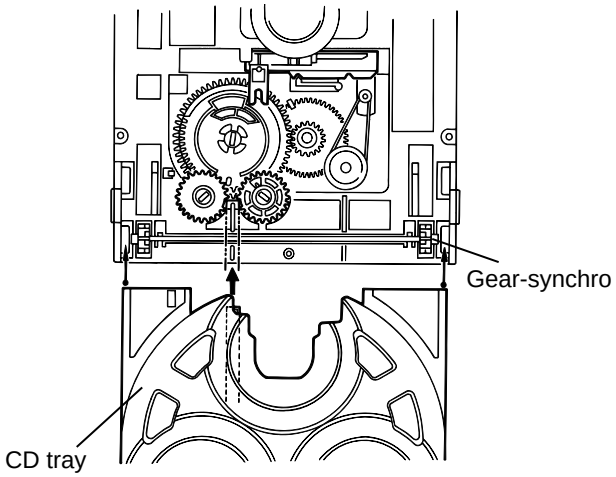


Fig.30

■Removing the sensor board / the tray motor (See Fig.31 to 33)

・Prior to performing the following procedure, remove the CD tray.

1. Release the two tabs **j** attaching the sensor board on the under side of the CD tray.

2. Disconnect the harness from connector CW1 on the sensor board and release the harness from the two hooks **k**. Remove the sensor board.

3. Remove the screw **W** attaching the tray turn table. Detach the tray turn table from the tray.

4. Pull outward the tab marked **m** attaching the tray turn table motor assembly on the upper side of the tray and detach the tray turn table motor assembly from the tray.

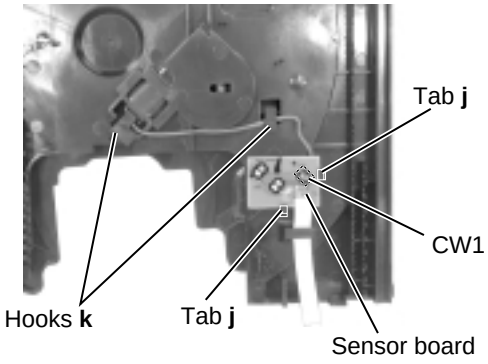


Fig.31

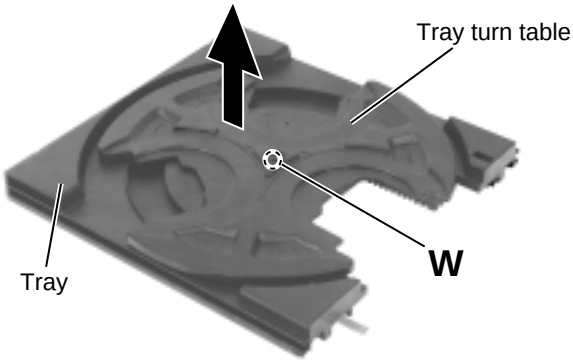


Fig.32

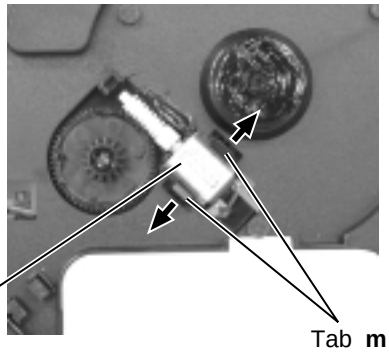


Fig.33

■Removing the belt, the CD servo board and the switch board (See Fig.34 and 35)

・Prior to performing the following procedure, remove the CD tray.

1. Detach the belt from the pulley on the upper side of the CD changer unit (Do not stain the belt with grease).

2. Disconnect the card wire from the pickup unit connector on the under side of the CD changer unit.

3. Disconnect the motor wire harness from connector on the CD mechanism board.

4. Remove the two screws **X** attaching the CD servo board. First release the n side of the two tabs **n** and two tabs **o** attaching the CD servo board motor to raise the CD servo board slightly, then release the o side.

※If the tabs **n** and **o** are hard to release, it is recommendable to unsolder the two soldered parts on the motor terminal of the CD servo board.
Disconnect the terminal CW3 connected to the switch board and remove the CD servo board.

5. Release the three tabs **p** attaching the switch board outward and detach the switch board.

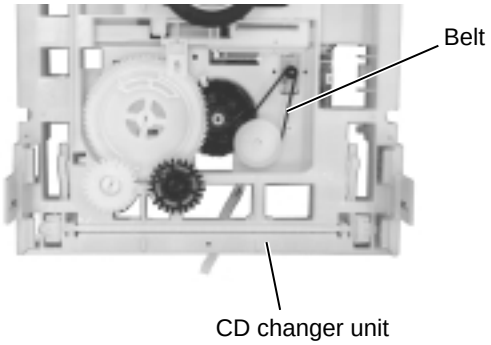


Fig.34

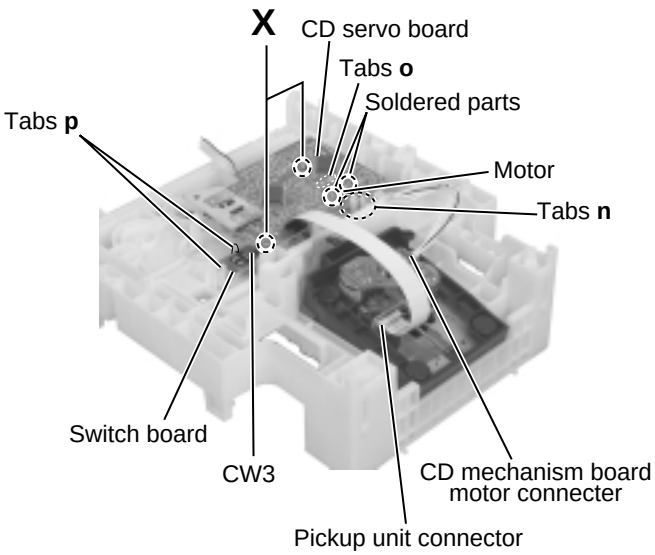


Fig.35

■ Removing the CD mechanism holder assembly (mechanism included)

(See Fig.36 to 39)

1. Disconnect the harness from connector on the CD mechanism board in the CD mechanism assembly on the under side of the CD changer unit. Disconnect the card wire from the pickup unit connector.

2. Remove the screw **Y** attaching the shaft on the right side of the CD mechanism holder assembly. Pull outward the stopper fixing the shaft on the left side and remove the CD mechanism holder assembly from behind in the direction of the arrow.

3. Turn the CD mechanism holder assembly half around the lift up slide shaft **r** of the CD mechanism holder assembly until the turn table is reversed, and pull out the CD mechanism holder assembly.

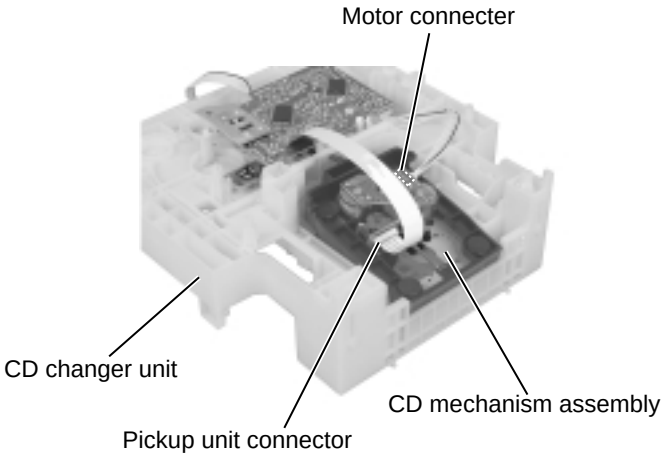


Fig.36

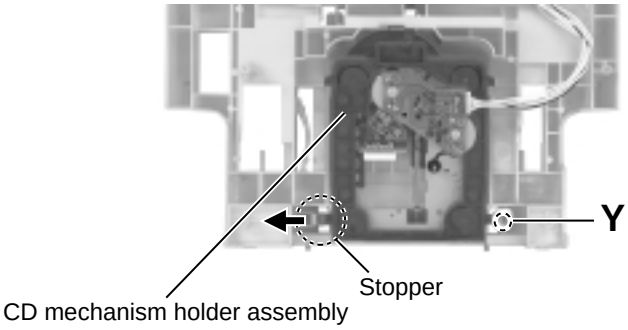


Fig.37

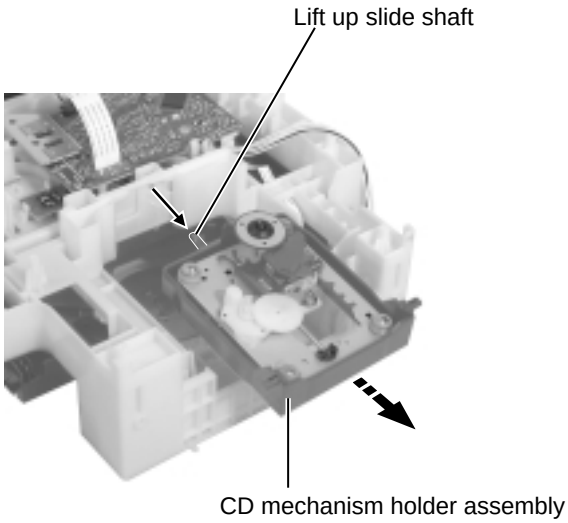


Fig.39

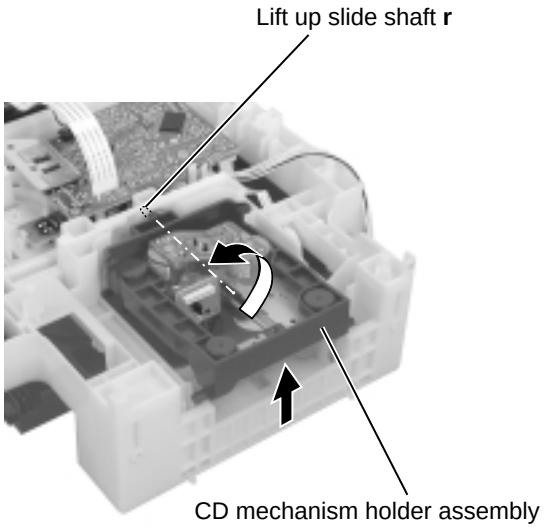


Fig.38

<CD mechanism section>

- Removing the CD mechanism holder from the CD chassis to remove the CD mechanism.
  (Refer to "Removing the CD mechanism holder assembly" (Pag.2-11))

■ Removing the pickup unit.

1. Loosen the two screws **A** fixing the chassis.(Fig.1)
2. Removing the feed gear stopper **c** on the bottom of the mechanism and pull out the gear. (Fig.1, Fig.3, Fig.4)
3. Pull out the shaft by opening the pickup shaft stopper outward to unlock.(Fig.1, Fig.2)
4. Removing the pickup unit.(Fig.1)

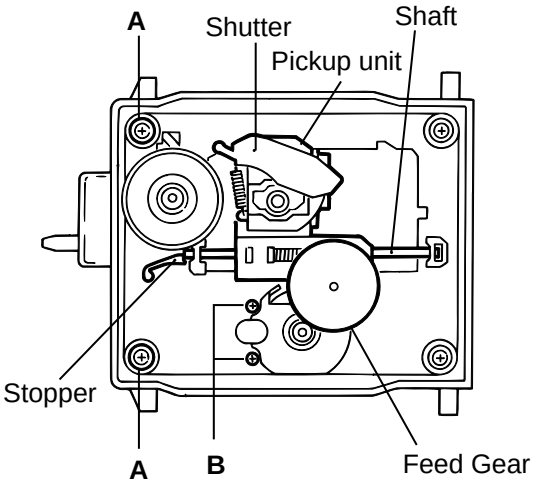


Fig.1

■ Removing the motor board.

1. Unsolder the motor terminal on the motor board.(Fig.3)
2. Remove the moter board.(Fig.3)

■ Removing the feed motor.

Remove the two motor fixing screws at **B** and removing the feed motor.(Fig.1, Fig.3)

■ Removing the spindle motor.

The spindle motor cannot be removed as a single unit. When removing the spindle motor, change the chasis and turntable together as aunit.(Fig.5)

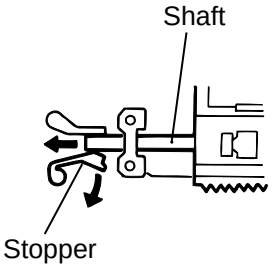


Fig.2

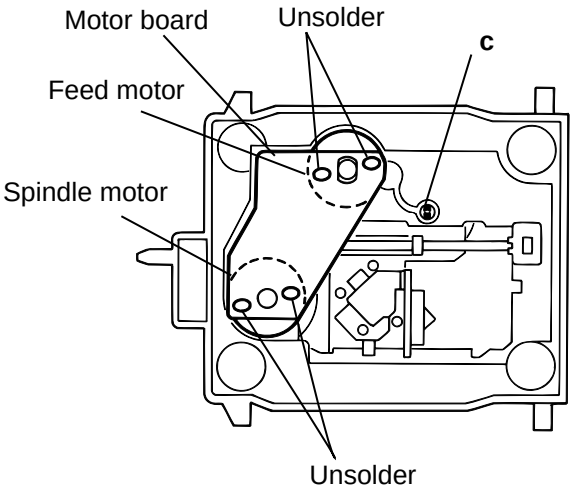


Fig.3

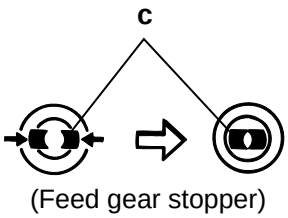


Fig.4

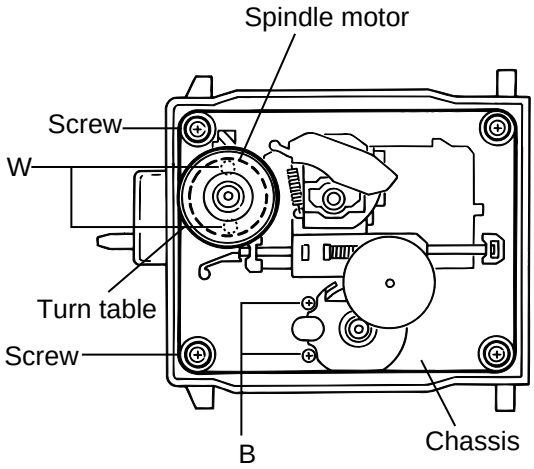


Fig.5

<Cassette mechanism section>

- Removing the record/playback mechanism.

■ Removing the R/P head.

1. Remove the screw **A** on the right side of the R/P head.(Fig.1, Fig.2)
2. Remove the screw **B** on the left side of the R/P head.(Fig.1, Fig.2)

■ Remove the erase head.

Remove the screw **C** fixing the erase head.(Fig.1)

■ Removing the pinch roller.

1. Pull out the pinch roller by opening the pinch roller stopper outward to unlock .(Fig.3)
2. When reassembling the pinch roller, refer to fig. 4 to hook up the spring.

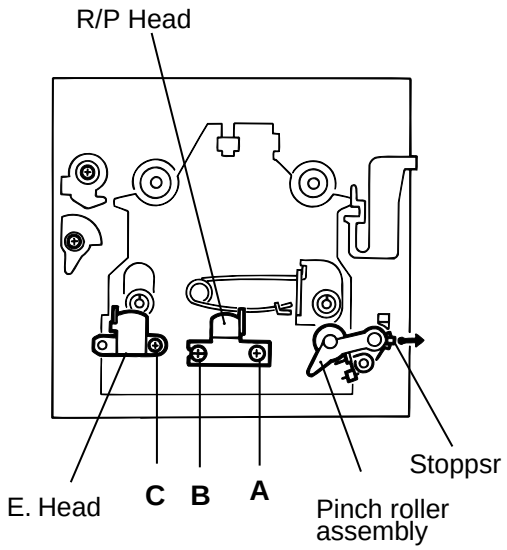


Fig.1

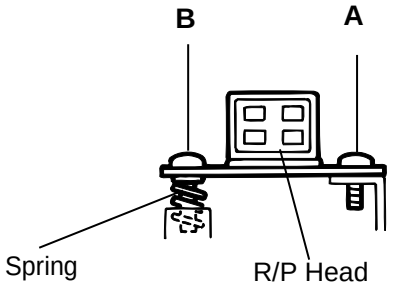


Fig.2

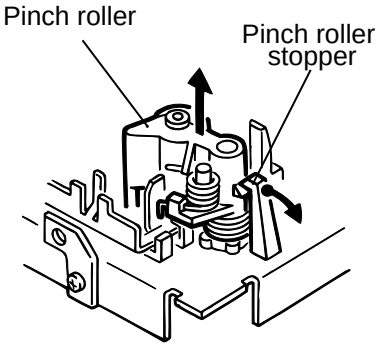


Fig.3

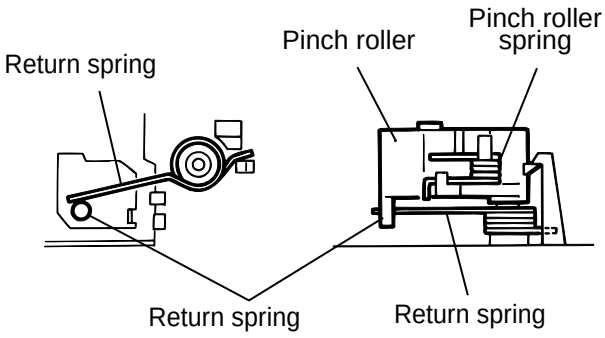


Fig.4

■ Removing the motor.

1. Remove the two screws **D** fixing the motor. Be careful to grease's splash when the drive belt comes off.(Fig.5, Fig.6)
2. Unsolder the motor terminal.(Fig.5)

■ Removing the mechanism board.

1. Unsolder the four parts **a** on the solenoid coil terminal.(Fig.5)
2. Remove the two screws **E** fixing the board.(Fig.5)
3. Unhook the three parts **b** from the board.(Fig.5)
4. Remove the mechanism board.(Fig.5)

■ Removing the flywheel.

Remove the cut-washers at **c** and **d** from the capstan shaft, then remove the flywheen. When reassembling the flywheel, be sure to use new washers as they cannot be reused.(Fig.8, Fig.9)

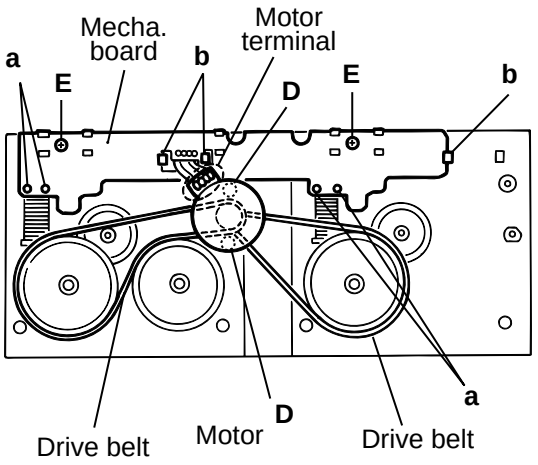


Fig.5

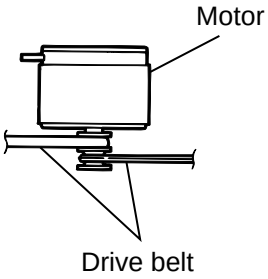


Fig.6

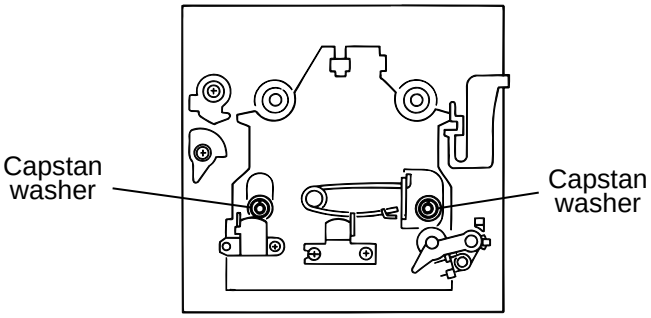


Fig.7

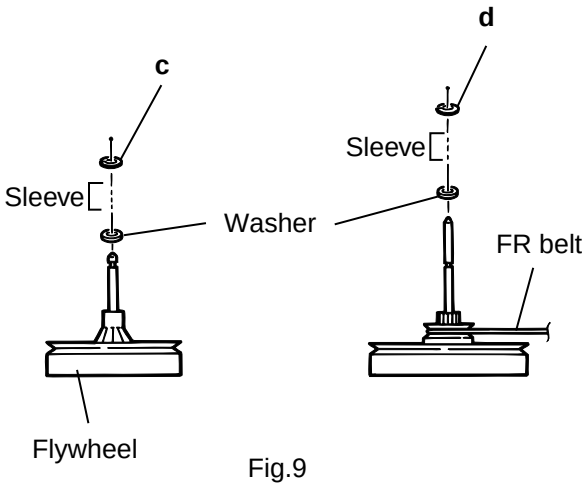


Fig.9

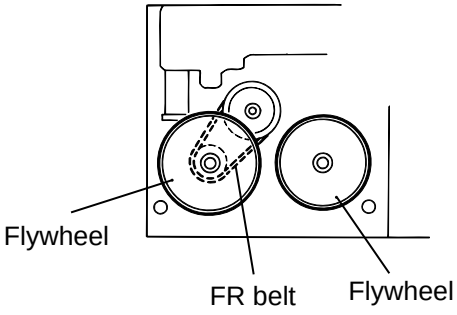
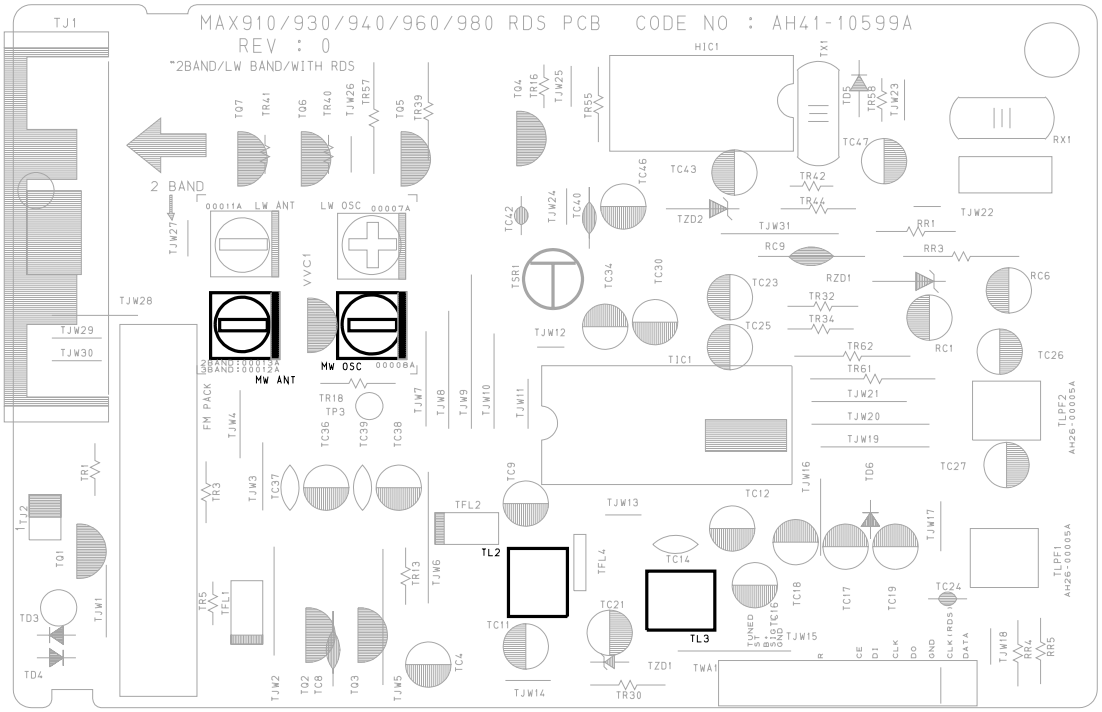


Fig.8

Ajustment method

■ Tuner



✱ Adjustment Location of Tuner PCB

ITEAM	AM(MW) OSC Adjustment	AM(MW) RF Adjustment
Received FREQ.	520~1720 KHz	590 KHz
Adjustment point	Non- Adjustment	MW -ANT
Output	1~7.0±0.5V	Maximum Output(Fig1-4)

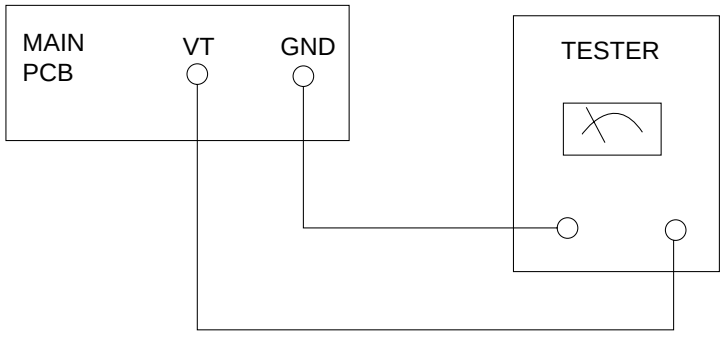


Fig 1-4 OSC Voltage

FM THD Adjustment	
SSG FREQ.	98 MHz
Adjustment point (TL3)	FM DETECTOR COIL
Output	60 dB
Minumum Distortion (0.3% below) (Figure 1-1)	

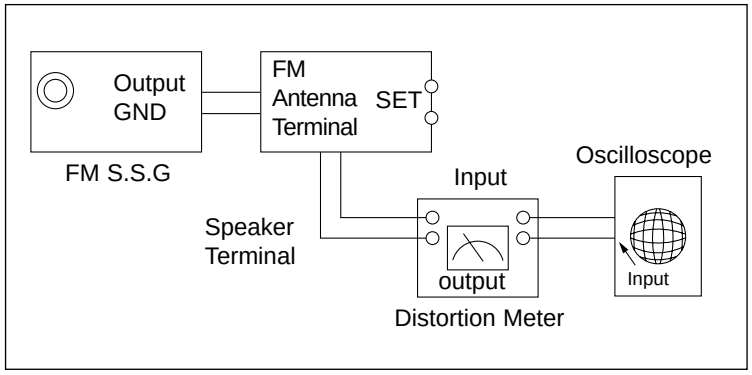


Figure1-1 IF CENTER and THD Adjustment

FM Search Level Adjustment	
SSG FREQ.	98 MHz
Adjustment point (TSR1)	BEACON SENSITIVITY SEMI-VR(20K½)
Output	28 dB(±2dB)
Adjust TSR1 so that “TUNED” of FL T is lighted (Figure 1-2)	

*Adjust FM S.S.G level to 28dB

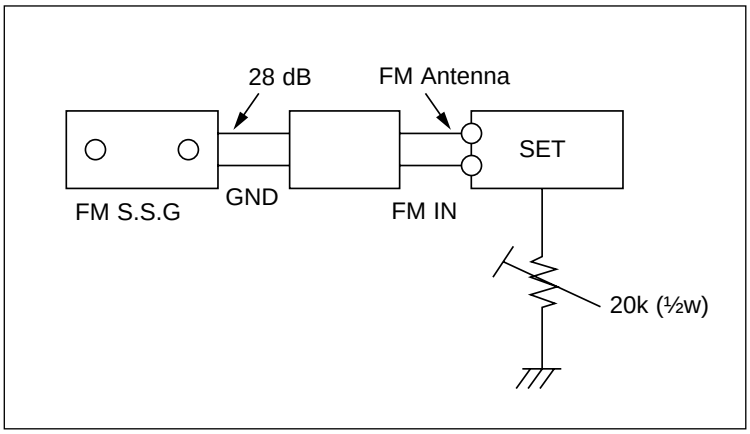


Figure1-2 FM Auto Search Level Adjustment

AM(MW) I.F Adjustment	
SSG FREQ.	450 kHz
Frequency	520 kHz
Adjustment point (TL2)	AM I.F COIL
Maximum output (Figure 1-3)	

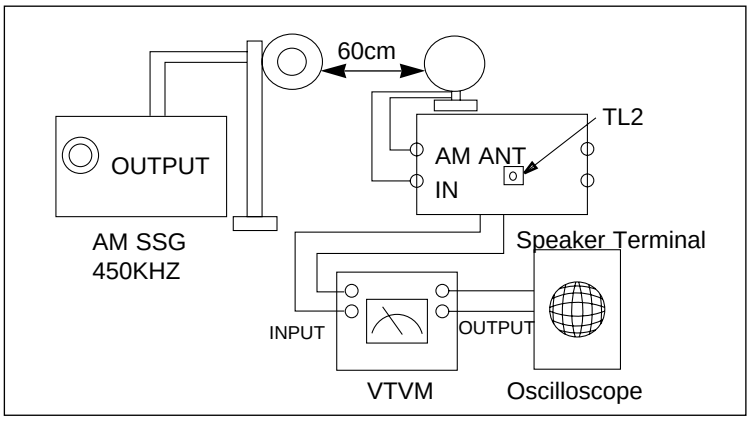


Figure1-3 AM I.F Adjustment

■ Cassette deck

1. To adjust tape speed

Notes

1) Measuring tape: VT 712 (or equivalent)
(Tapes recorded with 3kHz)

2) Connect the cassette deck to the frequency counter as in figure 1-5.

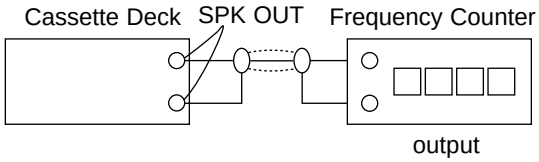


Figure 1-5

Step	Item	Pre-Setup Condition	Pre-Setup	To Adjust	Standard	Remark
1	NOR SPEED Control	OUT (connected to the frequency counter)	1) Deck A:VT 712 2) Press PLAY SW button 3) Deck B:Same as above	Turn UVR2 to left and right (FRONT PCB)	3KHz	±1% range

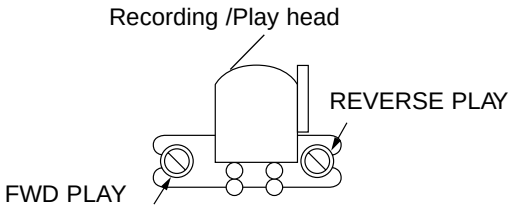


Figure 1-6

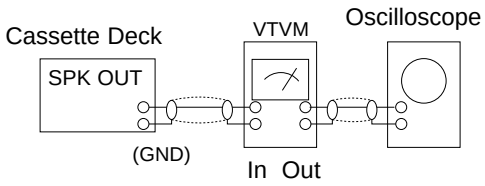


Figure 1-7

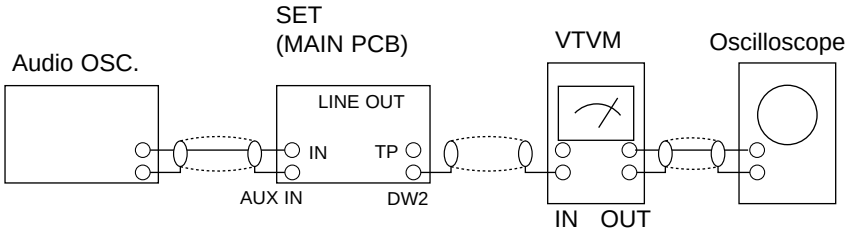


Figure 1-8

2. To adjust playback lebel/REC

Notes

1) Before the actual adjustment, clean the play/recording head.
2) Measuring tape :
   i) VT 705(or equivalent 12.5kHz AZIMUTH control)
3) The cassette deck is connections as shown in figure 1-7.

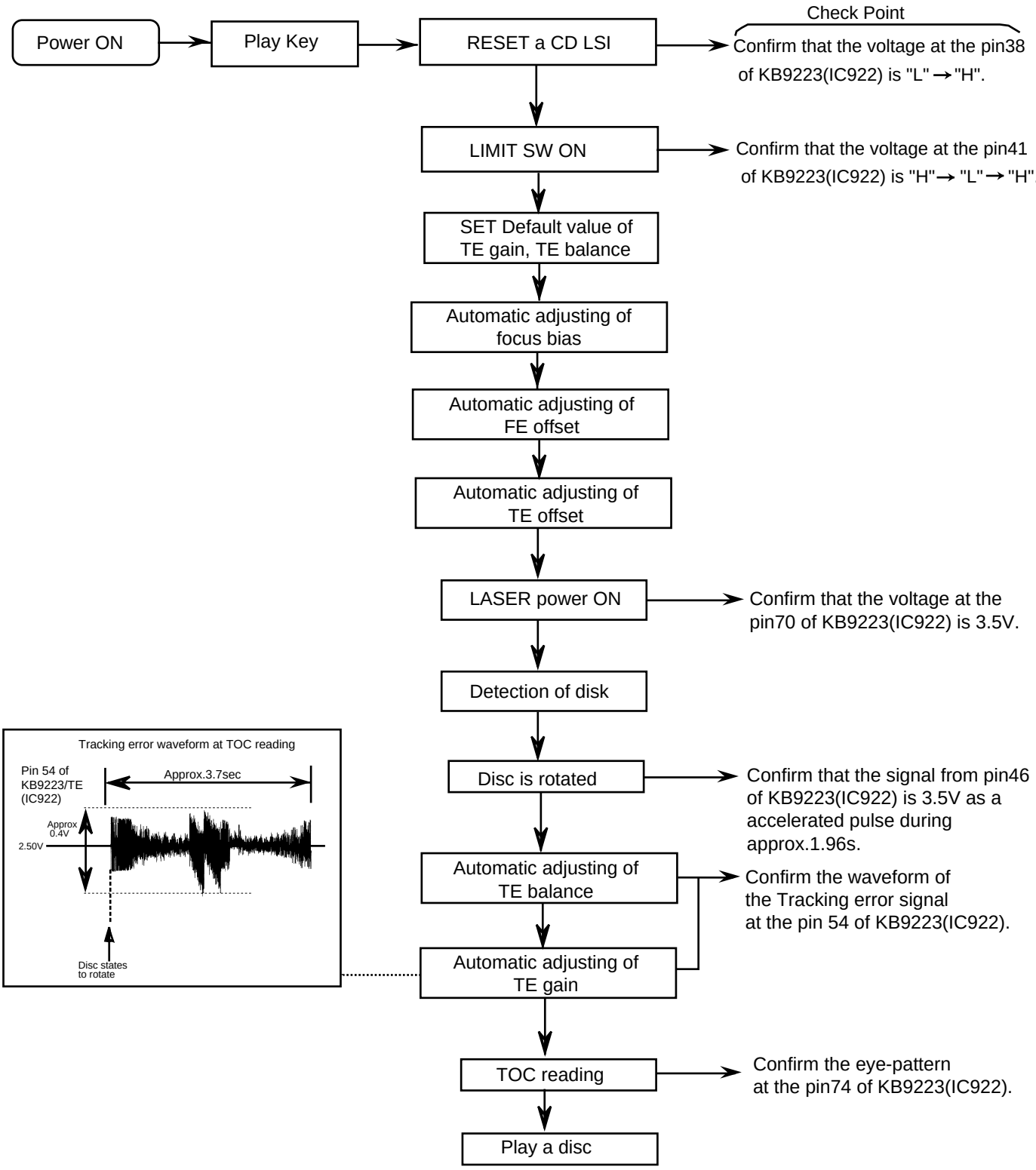
1 Adjust Deck A Play Level

Step	Item	Pre-Setup Condition	Pre-Setup	To Adjust	Standard	Remark
1	AZIMUTH	TP1 OUT (VTVM is connected to the scope)	After putting VT705 into Deck A - Press FWD PLAY button.	- Turn the control screw to as shown in Figure 1-6.	Max output and same phase (both channels)	After adjustment secure it with REGION LOCK.

2 Adjust Deck B Play Level/REC BIAS

Step	Item	Pre-Setup Condition	Pre-Setup	To Adjust	Standard	Remark
1	AZIMUTH	TP1 OUT (VTVM is connected to the scope)	After putting VT705 into Deck B 1)Press FWD PLAY button. 2)Press REV PLAY button.	- Turn the control screw to as shown in Figure 1-6.	Max output and same phase (both channels)	After adjustment secure it with REGION LOCK.
2	Recording Bias Voltage	Fig 1-8	After putting MTT 5512 into Deck B 1)Press REC PLAY button. 2)MAIN PCB DCW2, connectted to VTVM	Turn DVR1,DVR2 to the right and left	7V(±0.5V)	

Flow of functional operation until TOC read

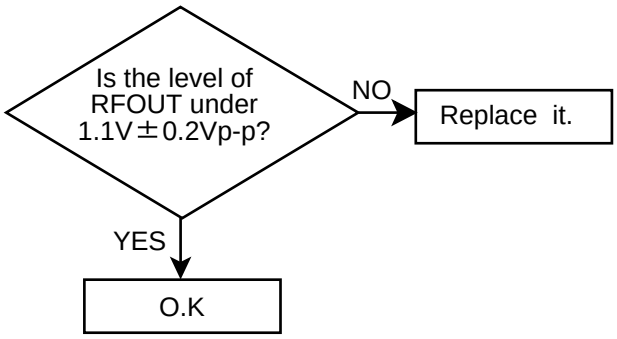


Maintenance of laser pickup

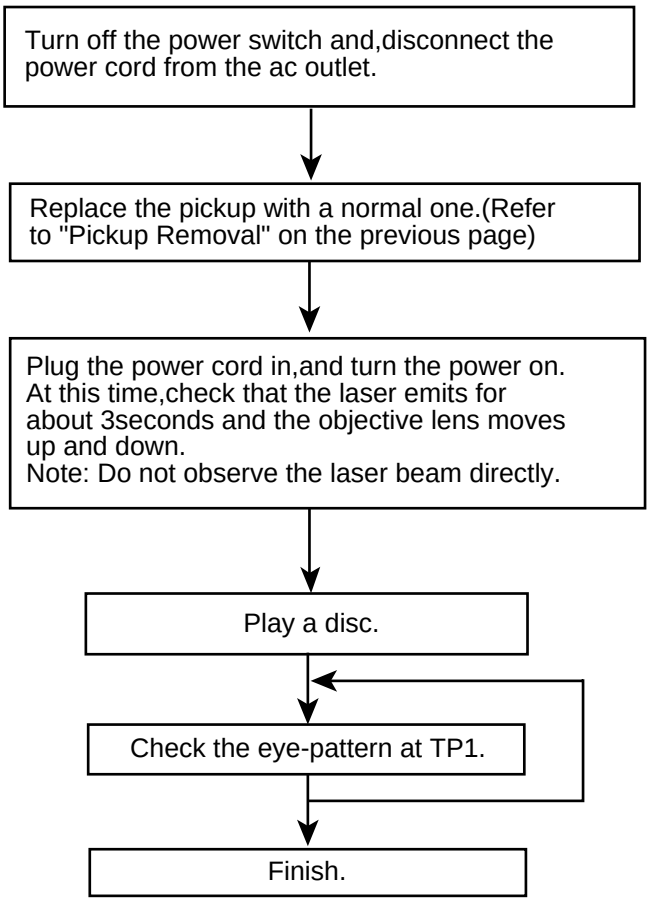
(1) Cleaning the pick up lens
Before you replace the pick up, please try to clean the lens with a alcohol soaked cotton swab.

(2) Life of the laser diode
When the life of the laser diode has expired, the following symptoms will appear.

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



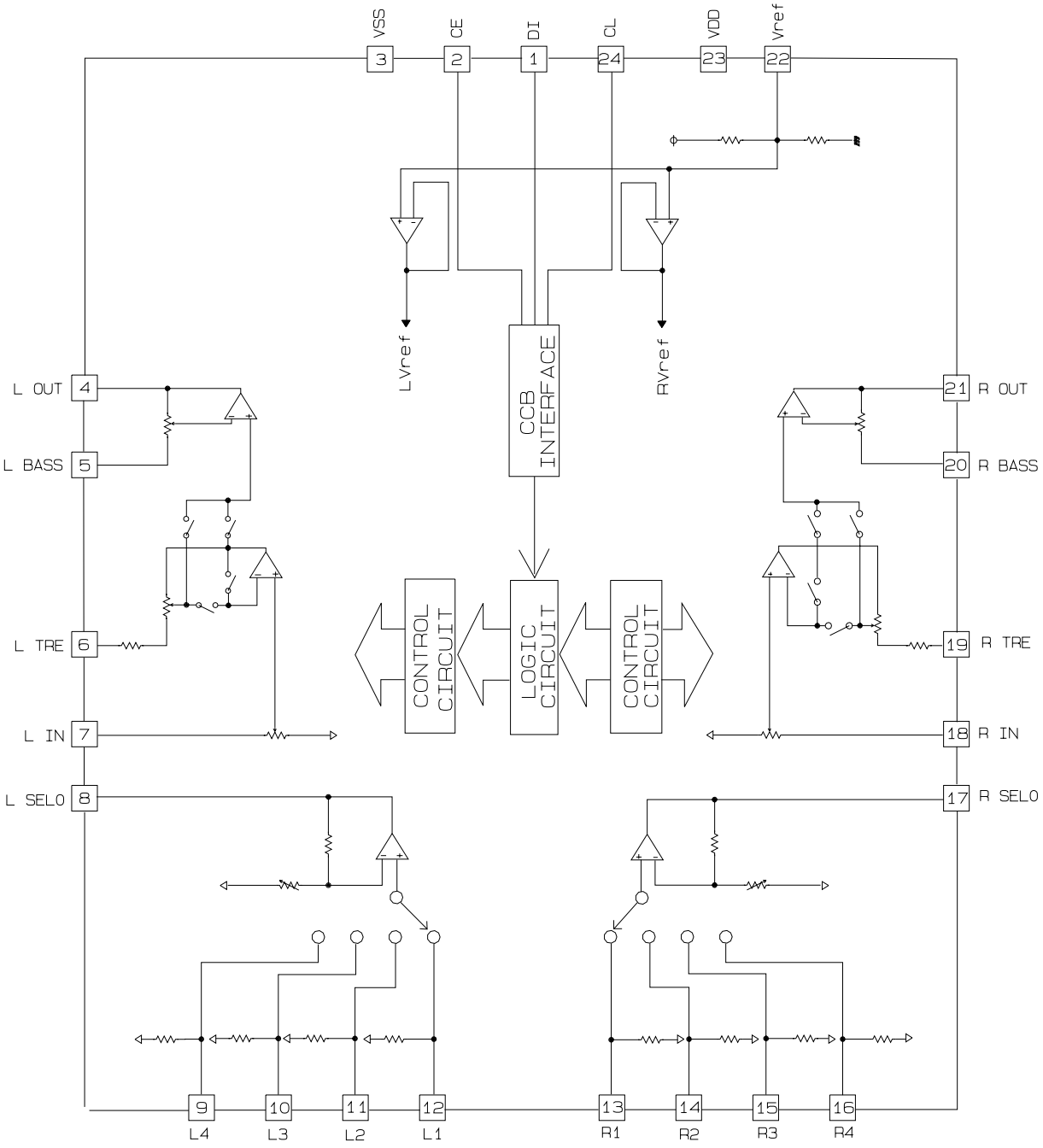
Replacement of laser pickup



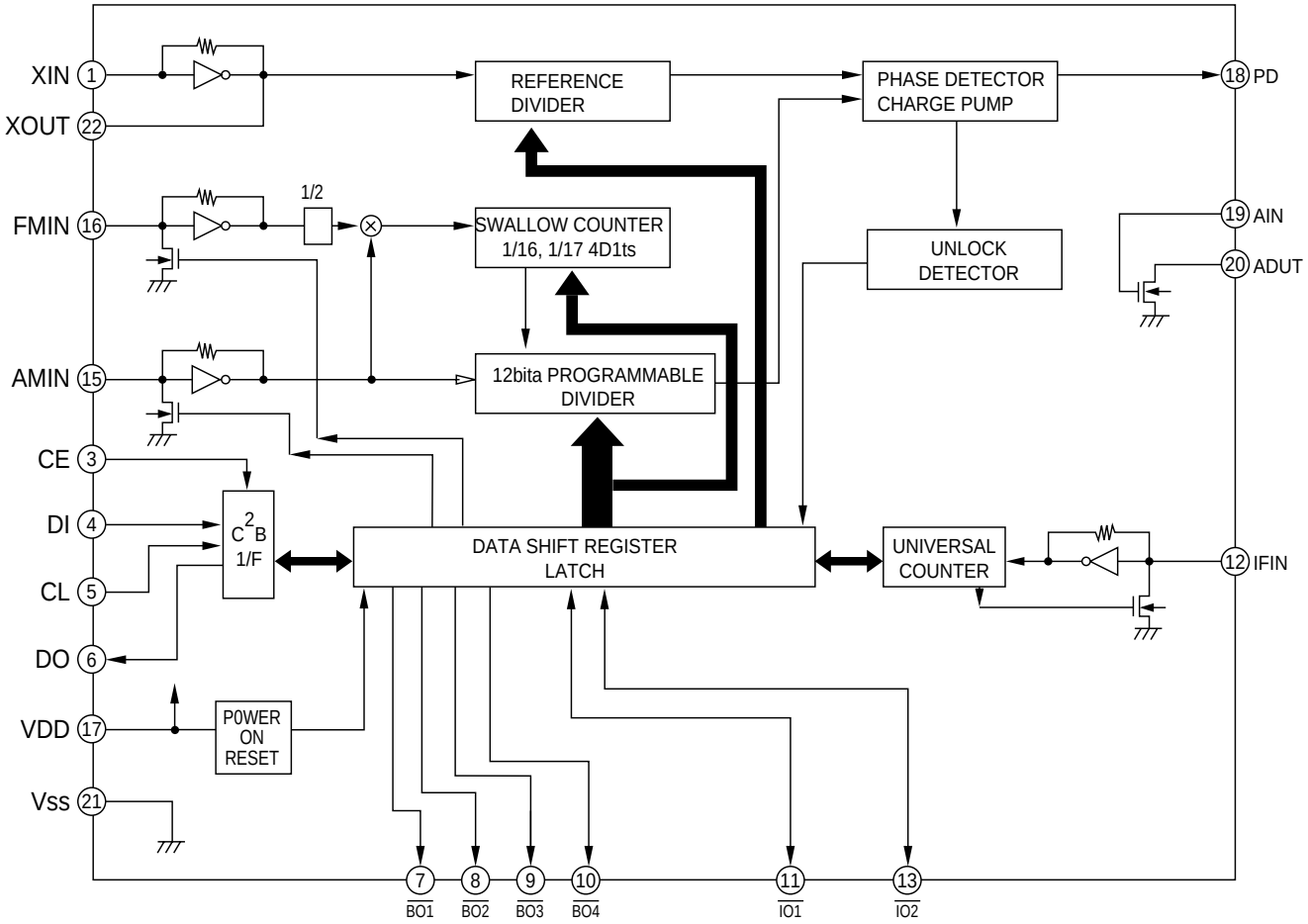
(3) Semi-fixed resistor on the APC PC board The semi-fixed resistor on the APC printed circuit board which is attached to the pickup is used to adjust the laser power.Since this adjustment should be performed to match the characteristics of the whole optical block, do not touch the semi-fixed resistor.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

Description of major ICs

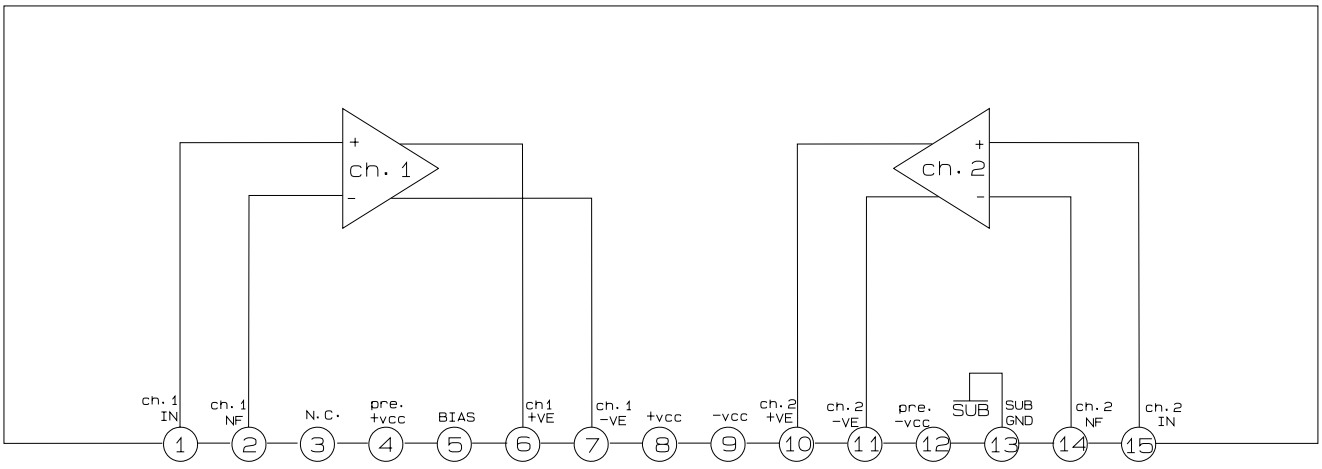
■ LC75341 (FIC1):Function



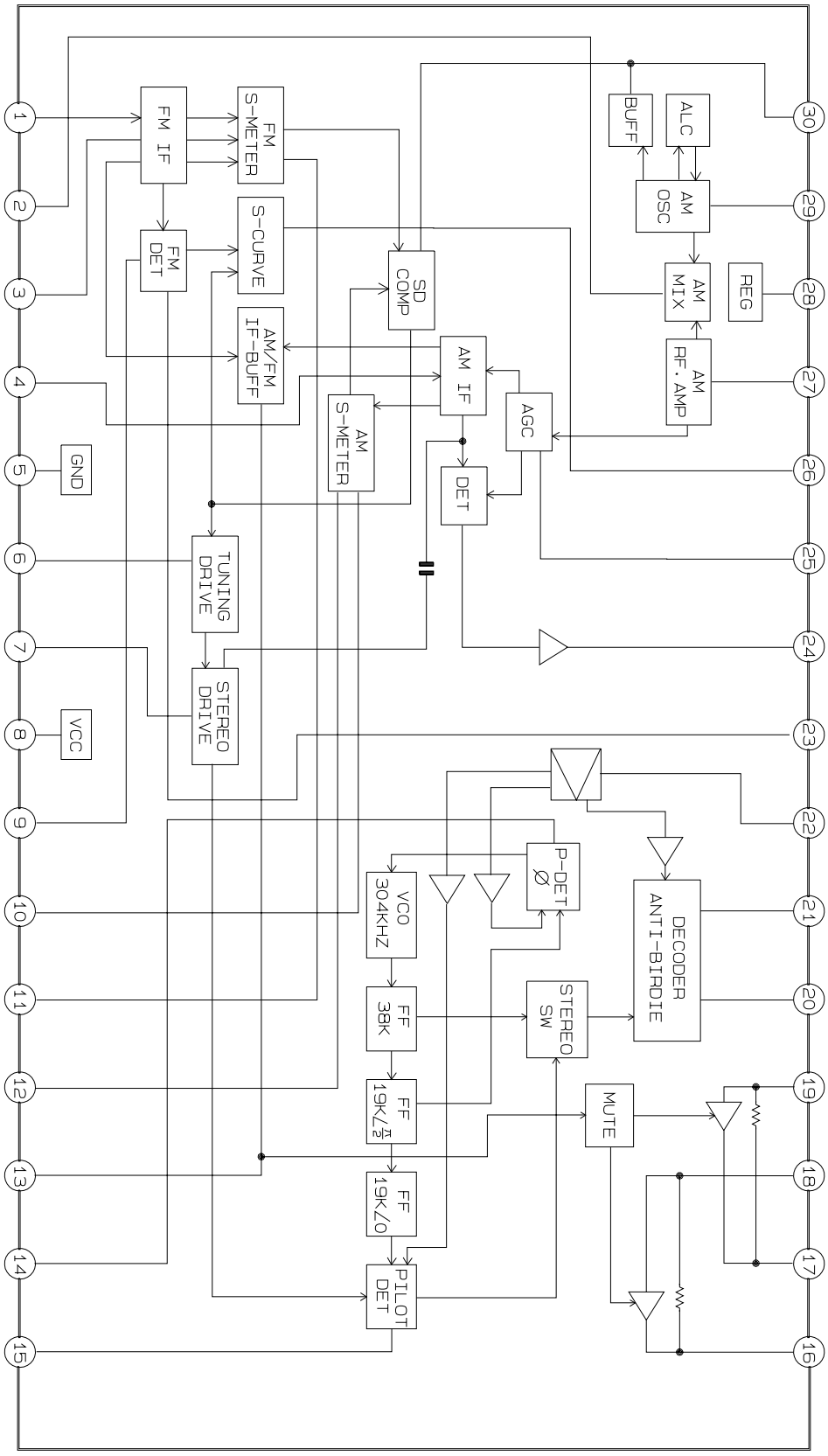
■ LC72131D (HIC1) : PLL



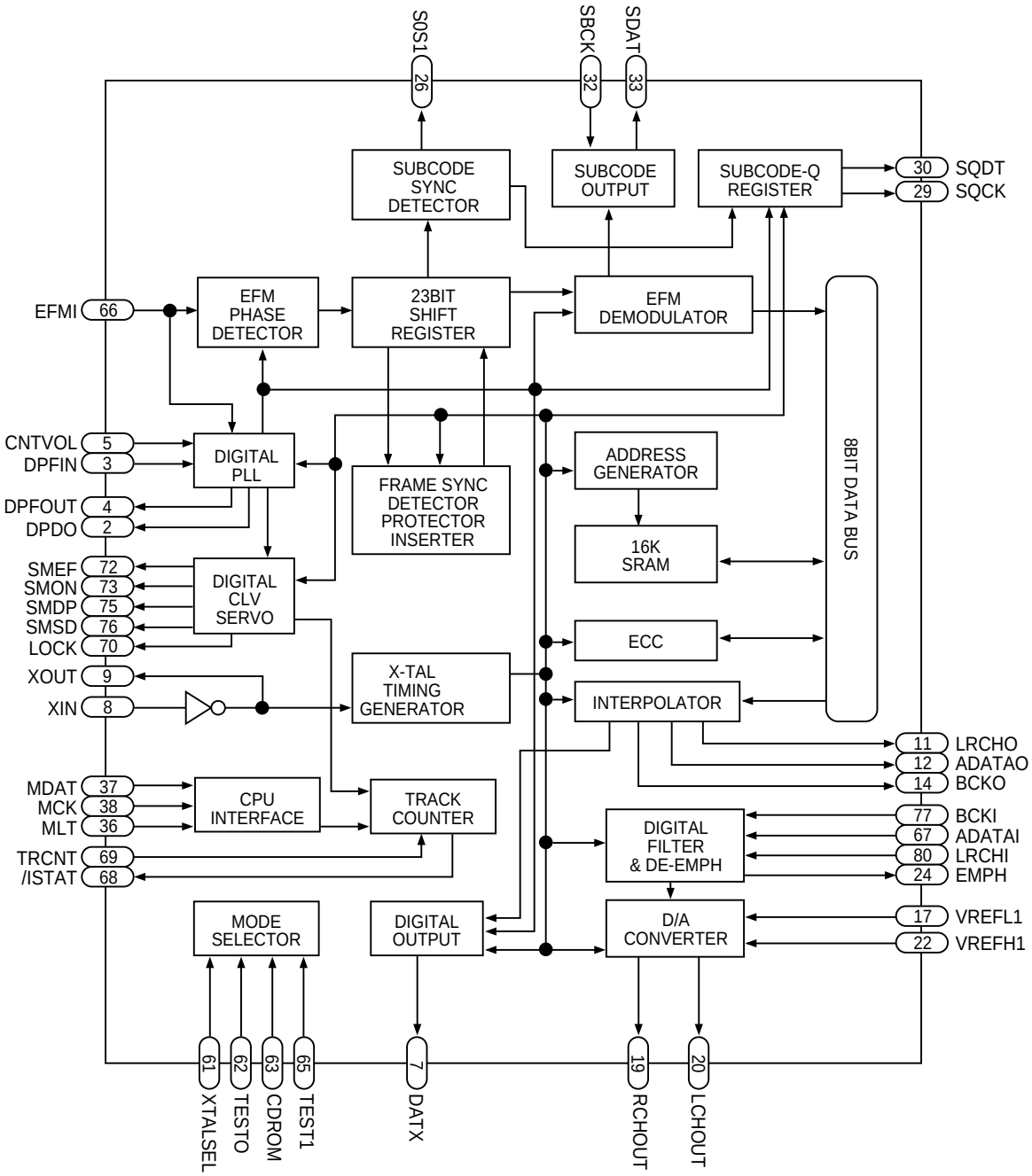
■ STK402-040 (AIC1)



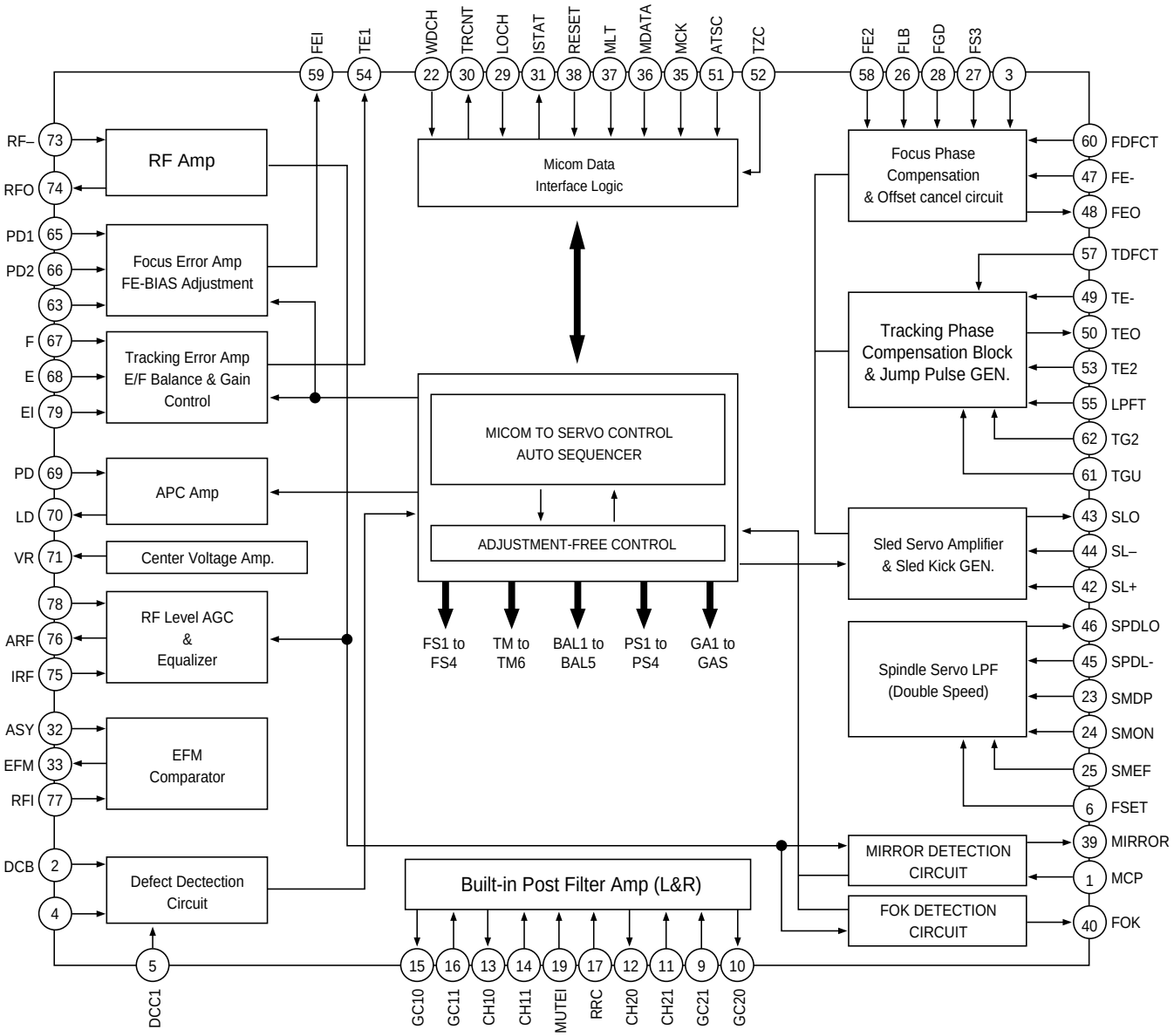
■ LA1837 (TIC1) : FM IF/DET AM RF/IF/DET



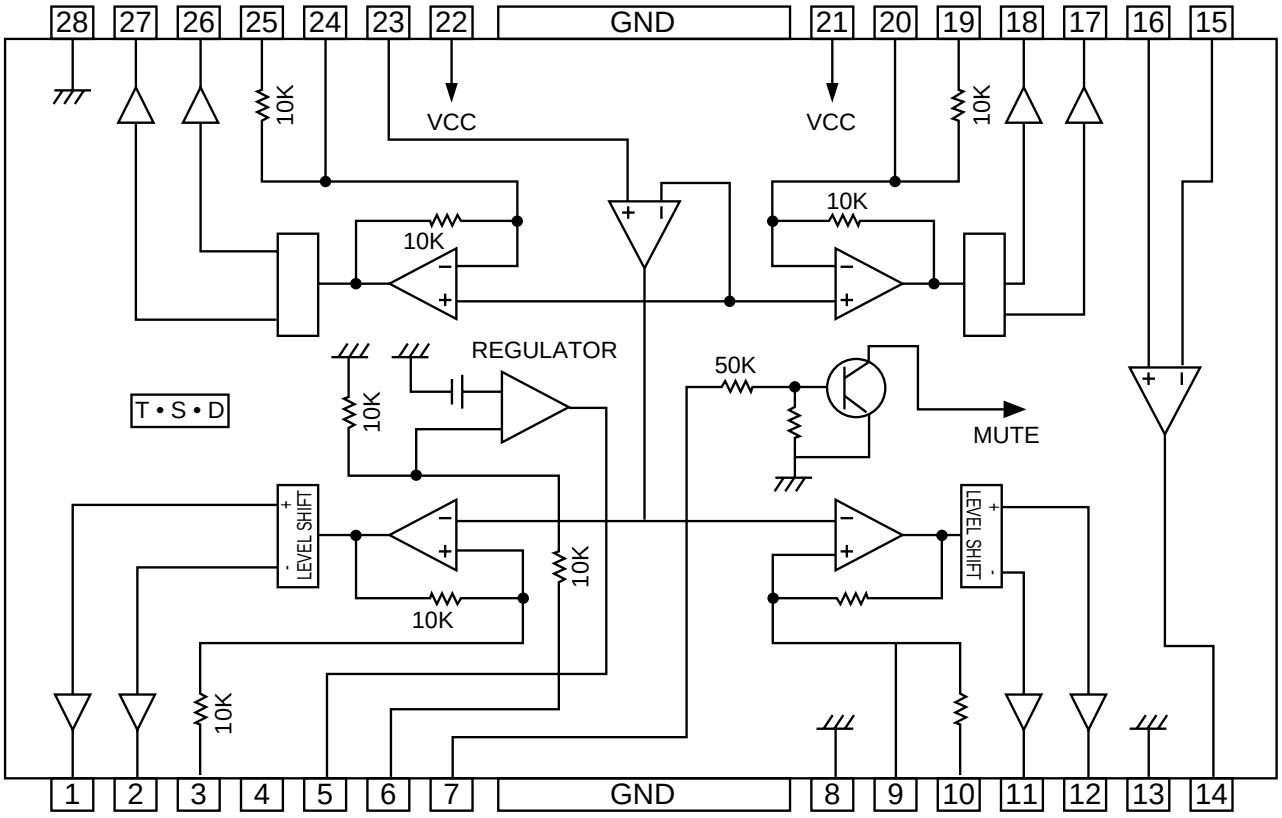
■ KS9286B (IC928) : DSP/D-A Converter



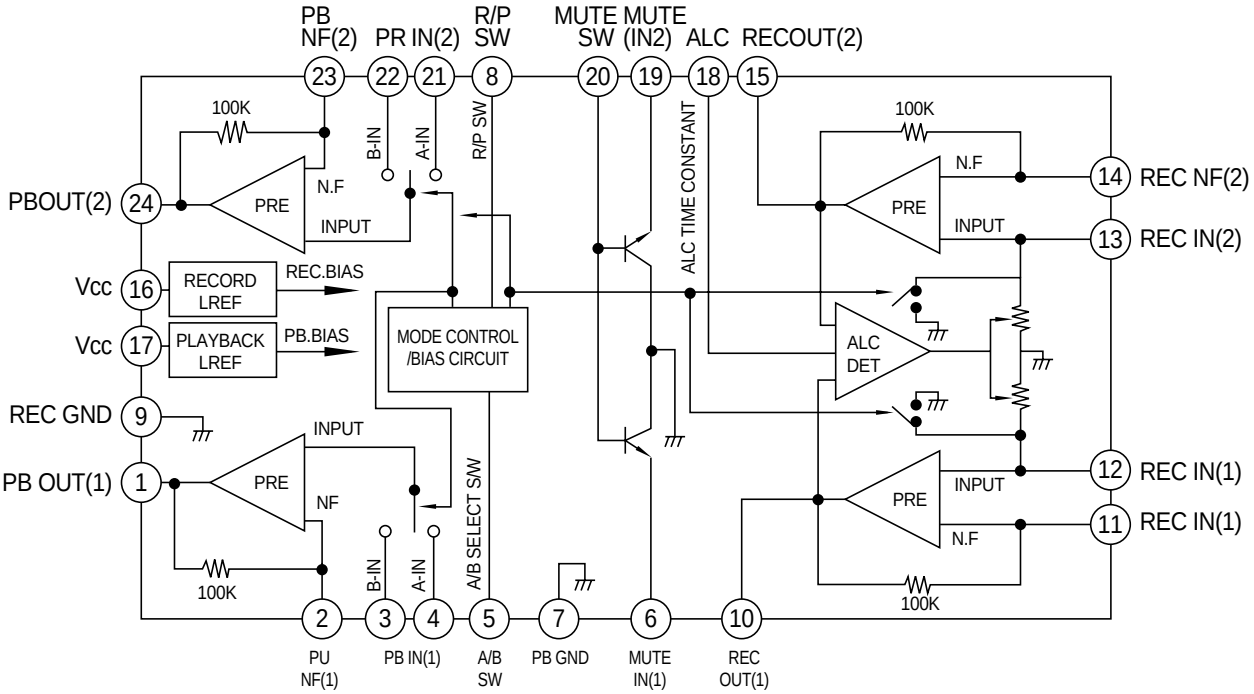
■ KB9223 (IC922) : ASSP(CD RF)



■ KA9258D (IC925) : 4-ch Motor driver

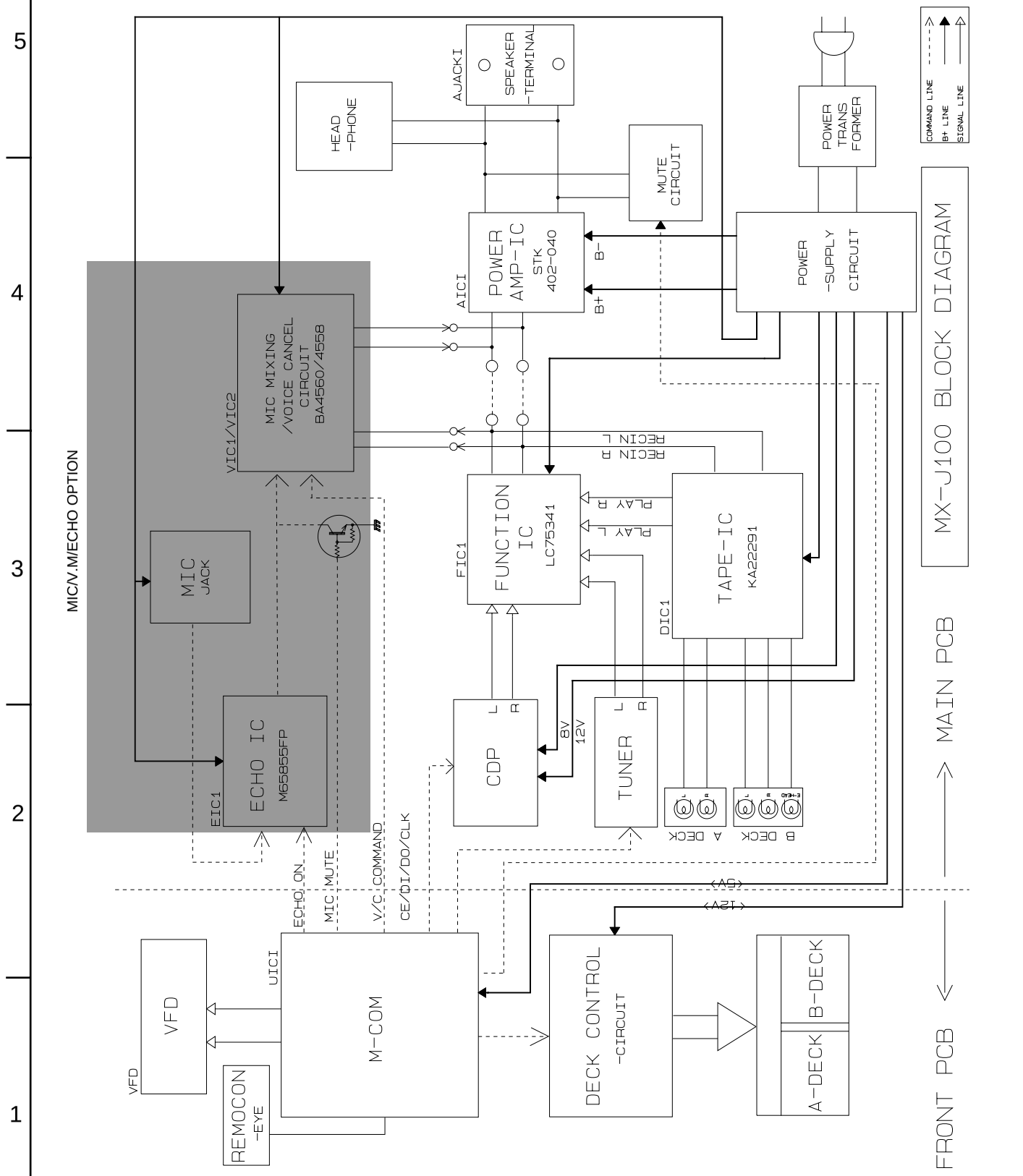


■ KA22291(DIC1) : Cassette amp.

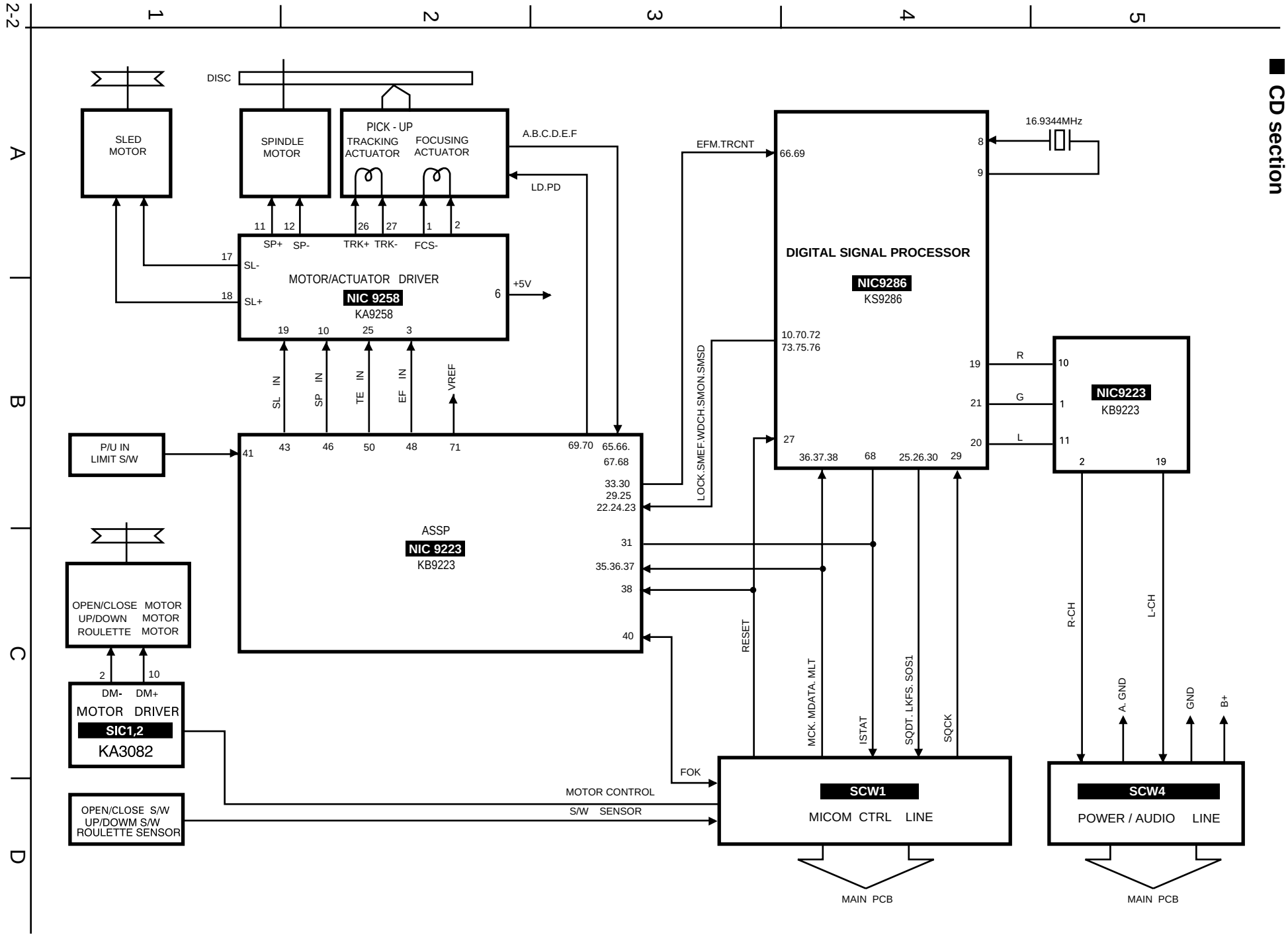


Block diagrams

■ Main section



■ CD section


2-2
1
2
3
4
5
A
B
C
D
DISC
SLED MOTOR
SPINDLE MOTOR
PICK - UP
TRACKING ACTUATOR
FOCUSING ACTUATOR
A.B.C.D.E.F
LD.PD
11 12 26 27 1 2
SP+ SP- TRK+ TRK- FCS-
17 SL-
18 SL+
MOTOR/ACTUATOR DRIVER
NIC 9258
KA9258
6 +5V
19 10 25 3
SL IN
SP IN
TE IN
EF IN
VREF
P/U IN LIMIT S/W
41 43 46 50 48 71 69.70 65.66. 67.68 33.30 29.25 22.24.23 31 35.36.37 38 40
ASSP
NIC 9223
KB9223
EFM.TRCNT
LOCK.SMEF.WDCH.SMON.SMSD
66.69
8
9
16.9344MHz
DIGITAL SIGNAL PROCESSOR
NIC9286
KS9286
10.70.72
73.75.76
27
36.37.38 68 25.26.30 29
19 R
21 G
20 L
NIC9223
KB9223
10 1 11
2 19
OPEN/CLOSE UP/DOWN ROULETTE MOTOR
MOTOR MOTOR
2 10
DM- DM+
MOTOR DRIVER
SIC1,2
KA3082
OPEN/CLOSE S/W
UP/DOWM S/W
ROULETTE SENSOR
MOTOR CONTROL
S/W SENSOR
FOK
RESET
MCK. MDATA. MLT
ISTAT
SQDT. LKFS. SOS1
SQCK
R-CH
L-CH
A. GND
GND
B+
SCW1
MICOM CTRL LINE
SCW4
POWER / AUDIO LINE
MAIN PCB
MAIN PCB

Standard schematic diagrams

■ Front section

FRONT CIRCUIT

TO CD

VFD

F. L. T

UIC2 NJU3711

UIC1

TO MAIN

TO MAIN PCB

TO MIC/H PCB

MIC OPTION

P/B DECK

R/P DECK

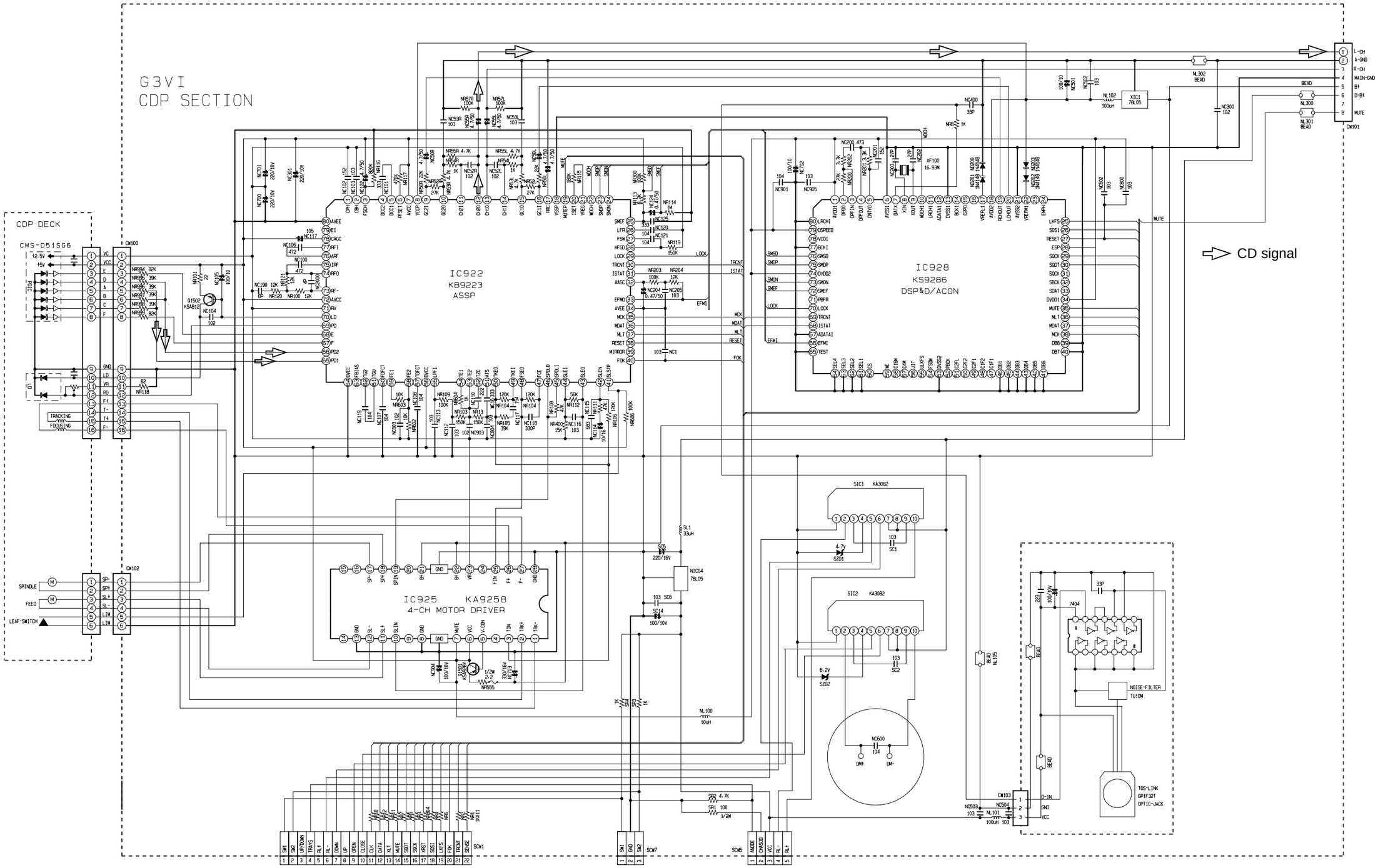
A-SOL

B-SOL

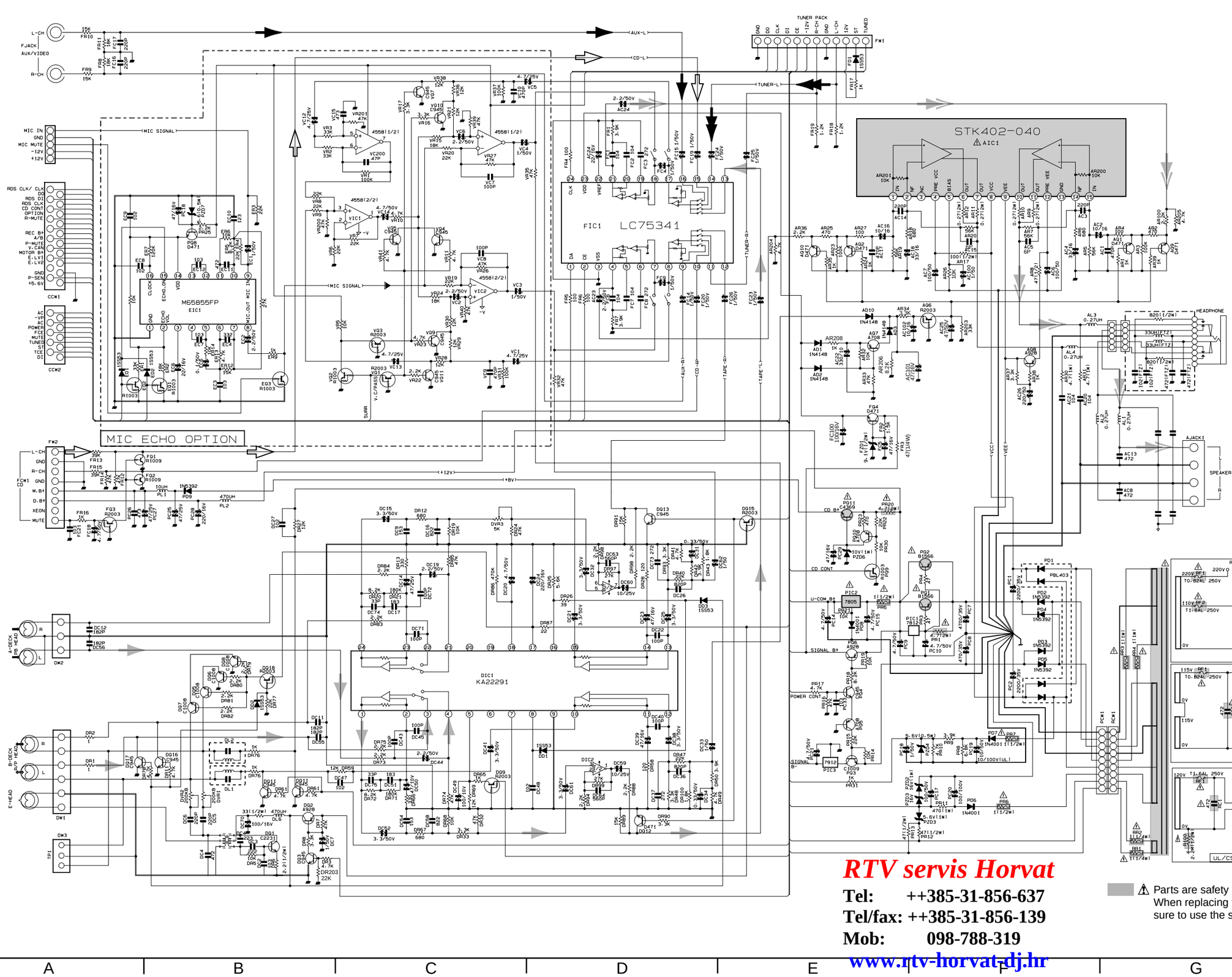
MOTOR

RE-EYE

■ CD section

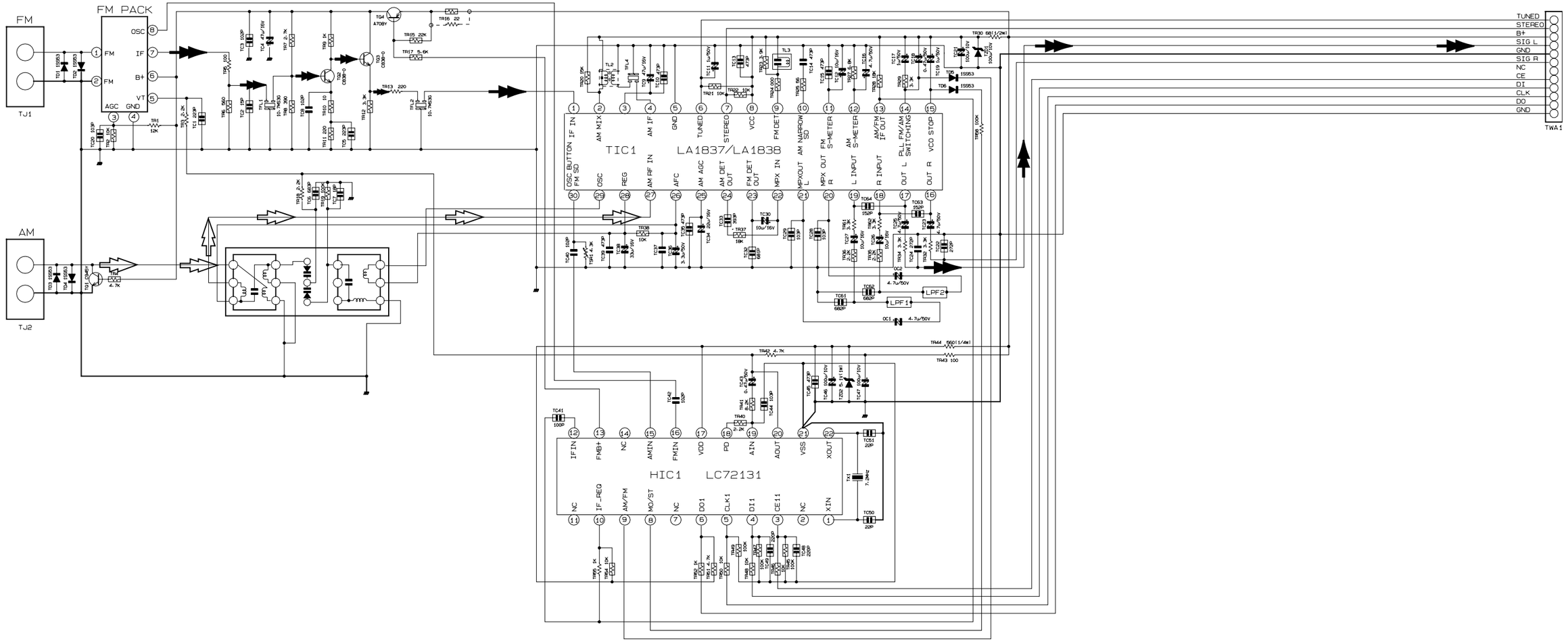

G3VI
CDP SECTION
CDP DECK
CMS-D51SG6
IC922
KB9223
ASSP
IC928
KS9286
DSP&D/ACON
IC925 KA9258
4-CH MOTOR DRIVER
SIC1 KA3082
SIC2 KA3082
CD signal
SPINDLE
FEED
LEAF-SWITCH
TRACKING
FOCUSING
NOISE-FILTER
TU10M
TOS-LINK
GP1F32T
OPTIC-JACK
L-CH
A-GND
R-CH
MAIN-GND
B+
D-B+
MUTE

■ Main section



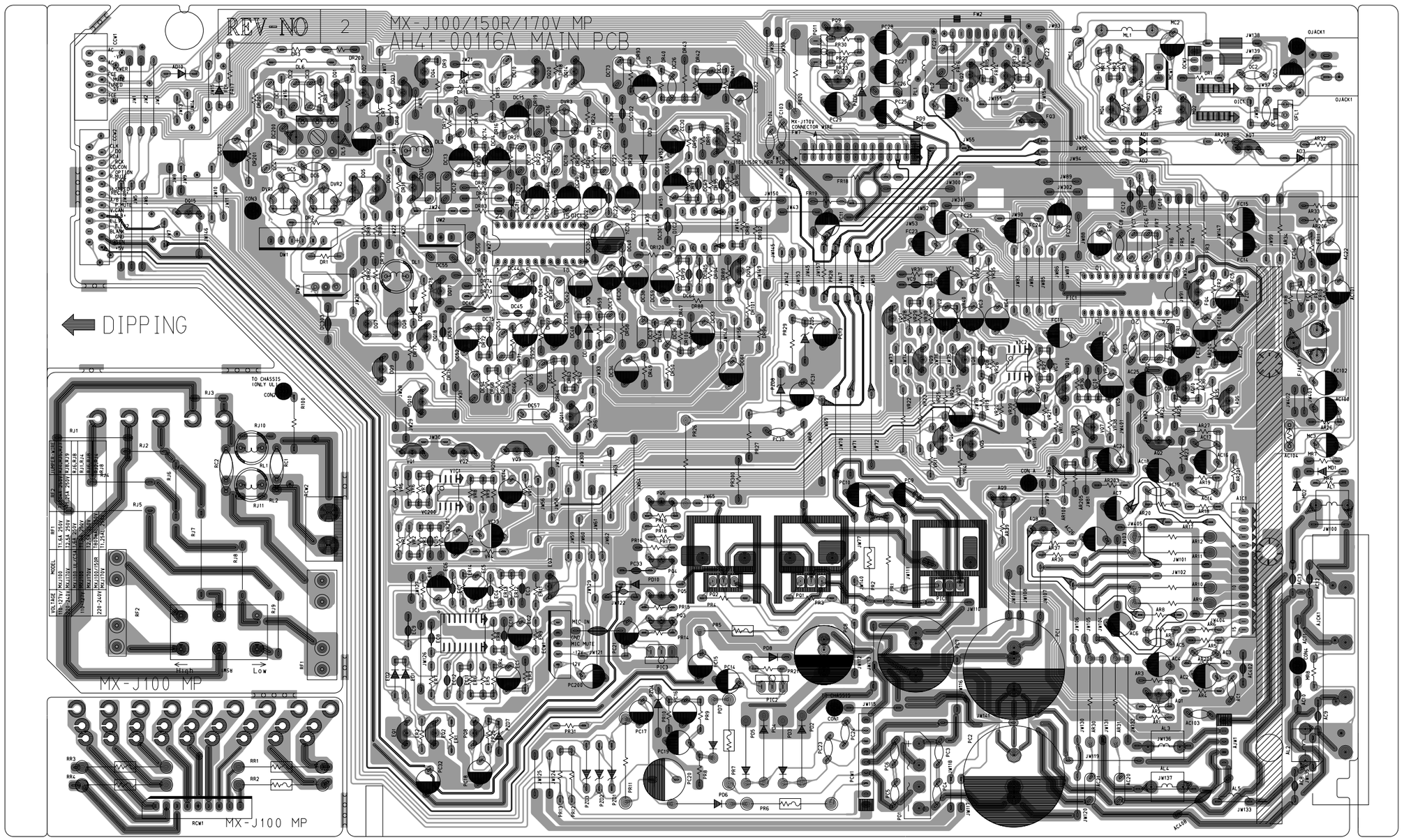
⚠ Parts are safety assurance parts. When replacing those parts make sure to use the specified one.

■ Tuner section



Printed circuit boards

■ Main board



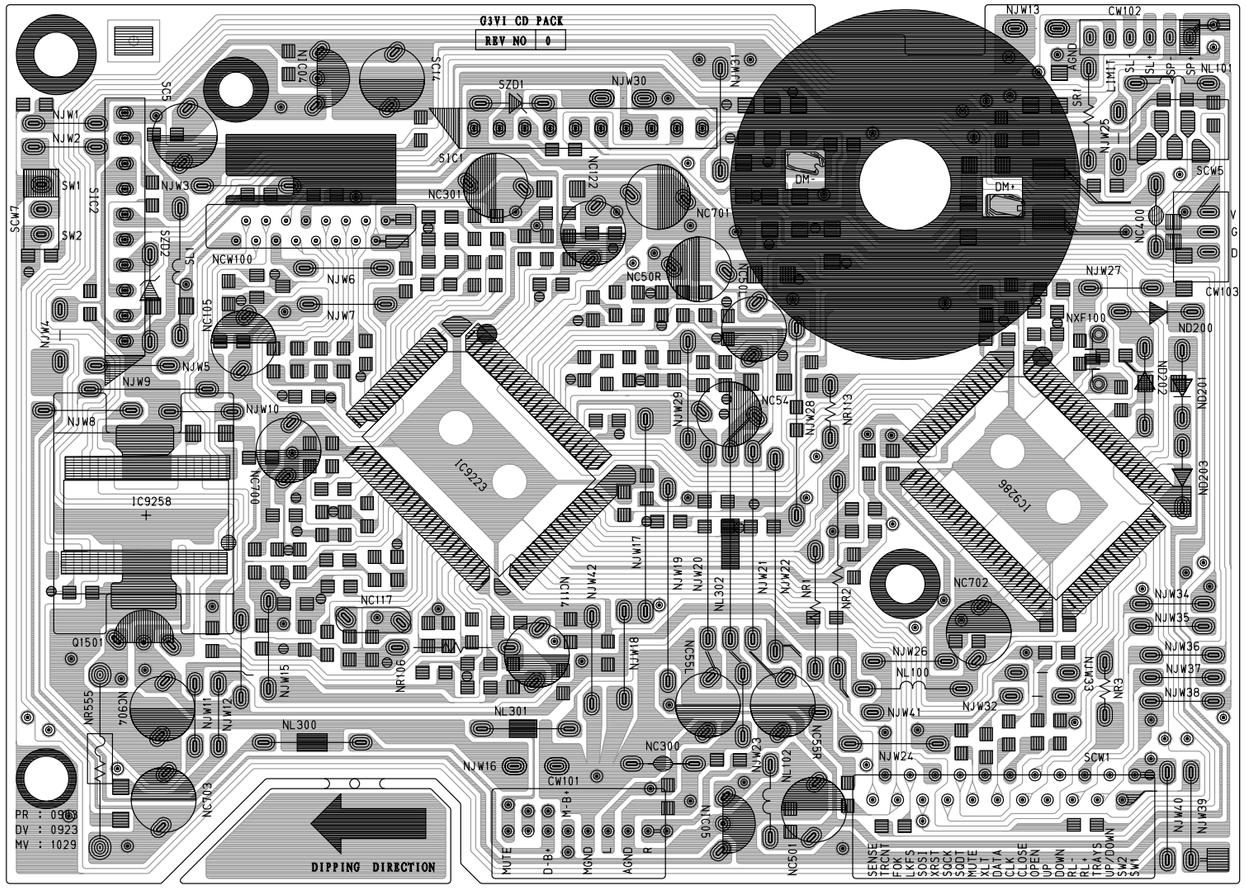
*** DIODE ***

AD1 (J5)
AD10 (B6)
AD2 (J5)
AD3 (K5)
DD1 (E4)
DD2 (D4)
DD3 (F5)
DD4 (D6)
ED1 (D1)
ED2 (D1)
FD1 (B6)
FZD1 (J4)
MD1 (K2)
MD2 (K2)
PD10 (E1)
PD2 (G0)
PD3 (G0)
PD4 (F0)
PD5 (F0)
PD6 (F0)
PD7 (F0)
PD8 (G1)
PD9 (H5)
PZD1 (E0)
PZD2 (E0)
PZD3 (E0)
PZD4 (F1)
PZD5 (G4)
PZD6 (G6)
PZD7 (D0)
PZD8 (G3)

*** IC&WAFER ***

AJW1 (J0)
DW1 (C4)
DW2 (D4)
ECW1 (E1)
FW1 (G5)
FW2 (H6)
FW7 (G5)
MCW1 (J6)
OCW1 (J6)
PCW1 (G0)
RCW1 (B0)

■ CD board



*** RESISTOR ***

NR1 (C0)
NR106 (B0)
NR113 (C1)
NR2 (C0)
NR3 (D0)
NR555 (A0)
SR1 (D2)

*** DIODE ***

ND201 (D1)
ND202 (D1)
ND203 (D1)
SZD1 (B2)
SZD2 (A1)

*** CONDENSER ***

NC105 (A1)
NC114 (B0)
NC117 (B0)
NC122 (B2)
NC300 (C0)
NC301 (B2)
NC400 (D1)
NC501 (C0)
NC50L (C1)
NC50R (C1)
NC54 (C1)
NC55L (C0)
NC55R (C0)
NC700 (A1)
NC701 (C2)
NC702 (D0)
NC703 (A0)
NC904 (A0)
SC5 (A2)

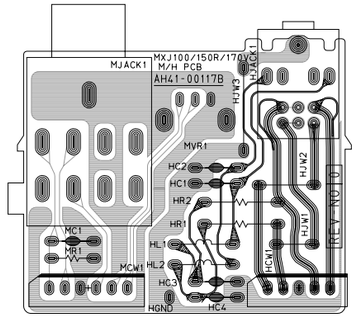
*** TR ***

NIC04 (B2)
NIC05 (C0)
Q1501 (A0)

*** IC&WAFER ***

CW101 (B0)
CW102 (D2)
CW103 (E1)
SCW7 (A2)
SIC1 (B2)
SIC2 (A1)

■ MIC / Headphone board



*** RESISTOR ***

HR1 (A0)
HR2 (A0)
MR1 (A0)

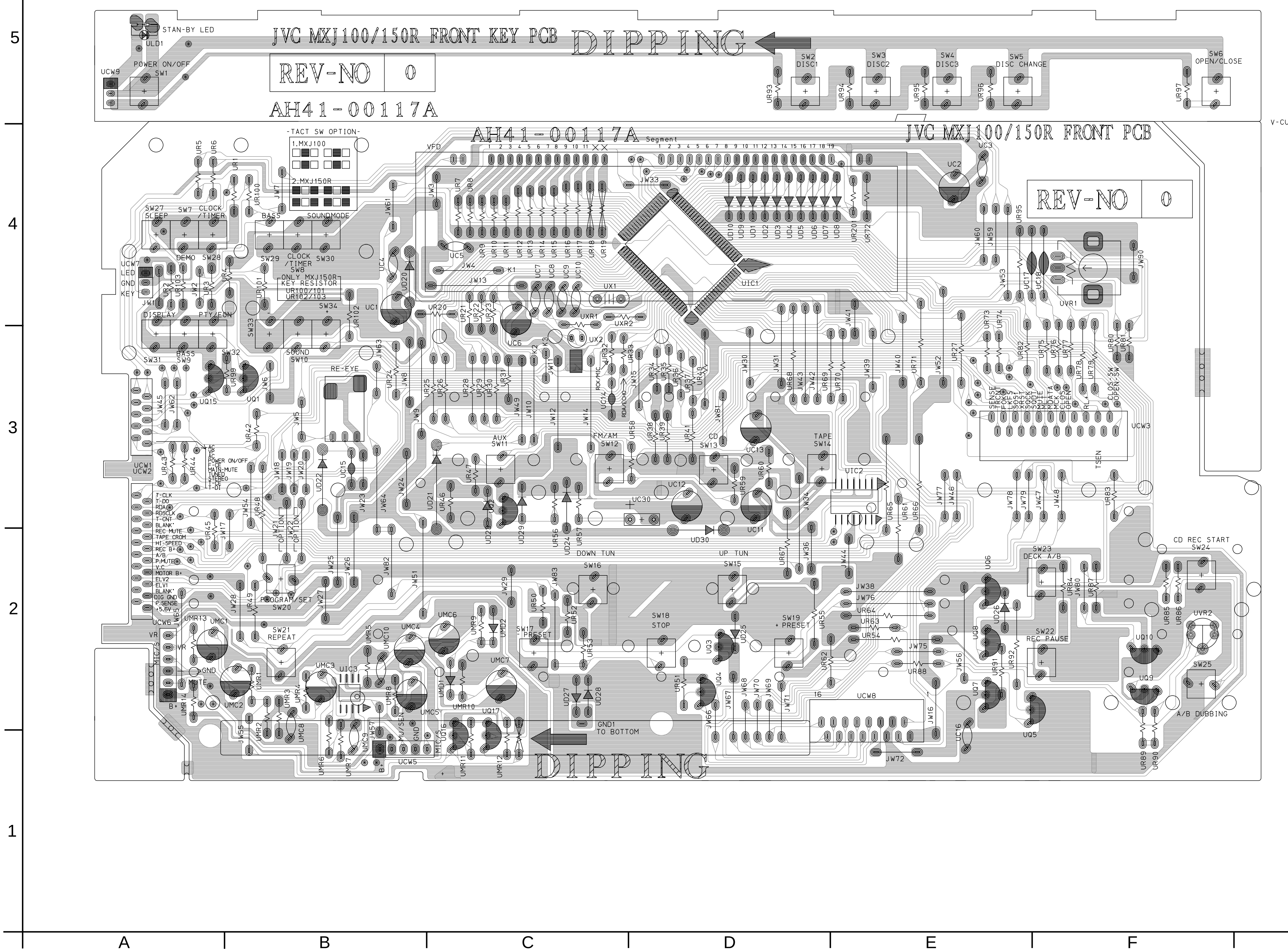
*** IC&WAFER ***

HCW1 (B0)
MCW1 (A0)

*** CONDENSER ***

HC1 (A0)
HC2 (A0)
HC3 (A0)
HC4 (A0)
MC1 (A0)

■ Front board



*** CONDENSER ***

UC1 (C3)
UC10 (D3)
UC11 (E2)
UC12 (E2)
UC13 (E2)
UC14 (D2)
UC15 (B2)
UC16 (G0)
UC17 (G3)
UC18 (G3)
UC2 (G4)
UC3 (G4)
UC4 (C3)
UC5 (C3)
UC6 (C3)
UC7 (D3)
UC8 (D3)
UC9 (D3)
UMC1 (A1)
UMC10 (C0)
UMC2 (A0)
UMC3 (B0)
UMC4 (C1)
UMC5 (C0)
UMC6 (C1)
UMC7 (C0)
UMC8 (B0)
UMC9 (B0)

*** DIODE ***

UD1 (E3)
UD10 (E3)
UD2 (E3)
UD20 (C3)
UD21 (C2)
UD22 (B2)
UD23 (C2)
UD24 (D2)
UD25 (E0)
UD26 (G1)
UD27 (D0)
UD28 (D0)
UD29 (D2)
UD3 (E3)
UD30 (E1)
UD4 (E3)
UD5 (E3)
UD6 (F3)
UD7 (F3)
UD8 (F3)
UD9 (E3)
UMD1 (C0)
UMD2 (C0)

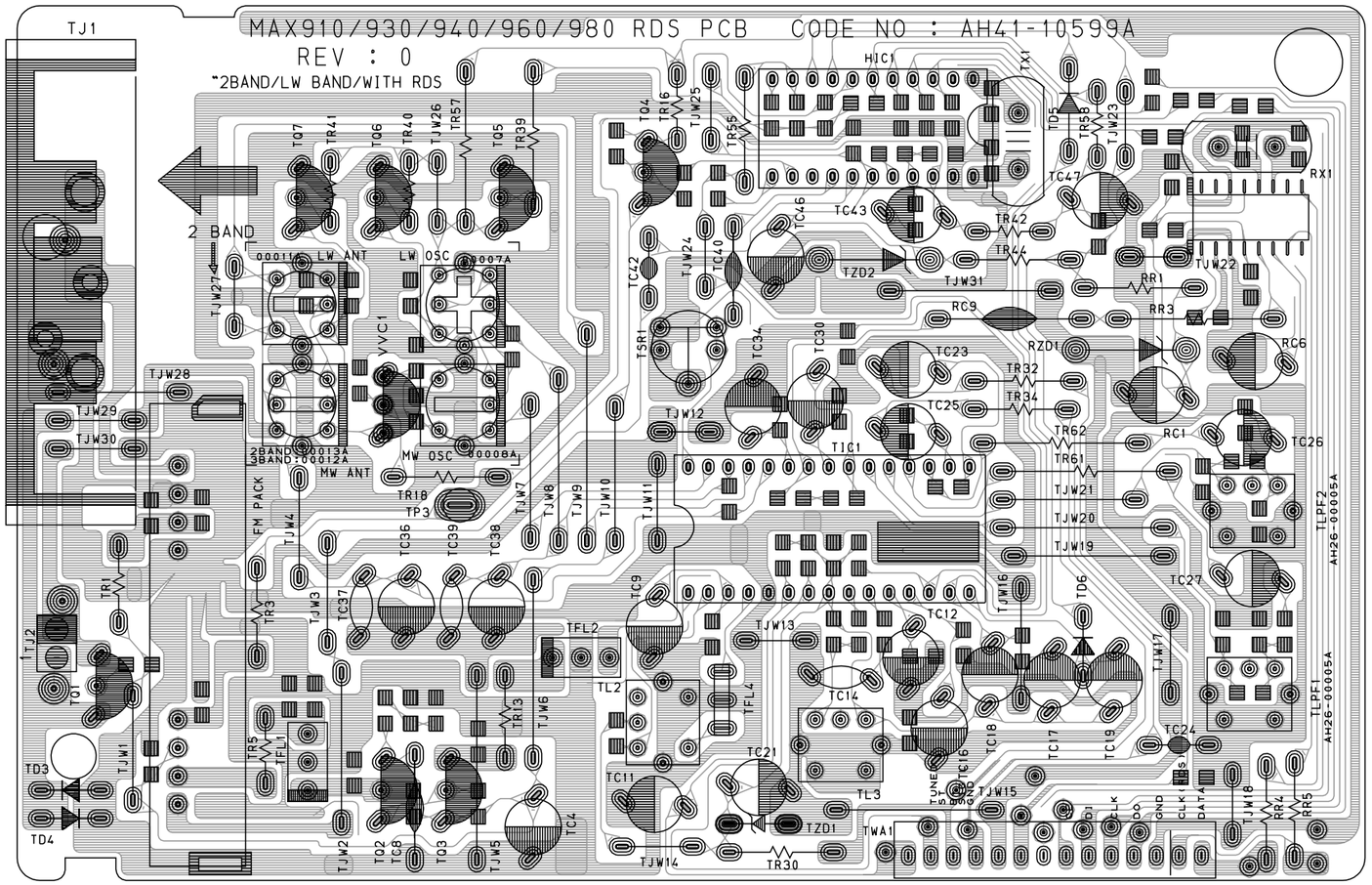
*** TR ***

UQ1 (B2)
UQ10 (H0)
UQ15 (A2)
UQ16 (C0)
UQ17 (C0)
UQ2 (C1)
UQ3 (E1)
UQ4 (E0)
UQ5 (G0)
UQ6 (G1)
UQ7 (G0)
UQ8 (G1)
UQ9 (H0)

*** IC&WAFER ***

EIC2 (B0)
SW1 (A4)
SW10 (B3)
SW11 (C2)
SW12 (D2)
SW13 (E2)
SW14 (F2)
SW15 (E1)
SW16 (D1)
SW17 (D0)
SW18 (E0)
SW19 (E0)
SW2 (F4)
SW20 (B1)
SW21 (B0)
SW22 (G0)
SW23 (G1)
SW24 (H1)
SW25 (H0)
SW27 (A3)
SW28 (A3)
SW29 (B3)
SW3 (F4)
SW30 (B3)
SW31 (A3)
SW32 (A3)
SW33 (B3)
SW34 (B3)
SW4 (G4)
SW5 (G4)
SW6 (H4)
SW7 (A3)
SW8 (B3)
SW9 (A3)
UC30 (D1)
UCW5 (C0)
UCW6 (A0)
UCW7 (A3)
UCW9 (A4)
UIC1 (E3)

■ Tuner board



*** CONDENSER ***

RC9 (C1)
TC14 (C0)
TC24 (D0)
TC37 (B0)
TC39 (B0)
TC40 (C1)
TC42 (B1)
TC8 (B0)

*** DIODE ***

RZD1 (D1)
TD3 (A0)
TD4 (A0)
TD5 (D2)
TD6 (D0)
TZD1 (C0)
TZD2 (C1)

*** TR ***

TQ1 (A0)
TQ2 (B0)
TQ3 (B0)
TQ4 (B2)
TQ5 (B2)
TQ6 (B2)
TQ7 (A2)
VVC1 (B1)

*** IC&WAFER ***

TFL4 (C0)
TJ2 (A0)

PARTS LIST

[MX-J100]

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

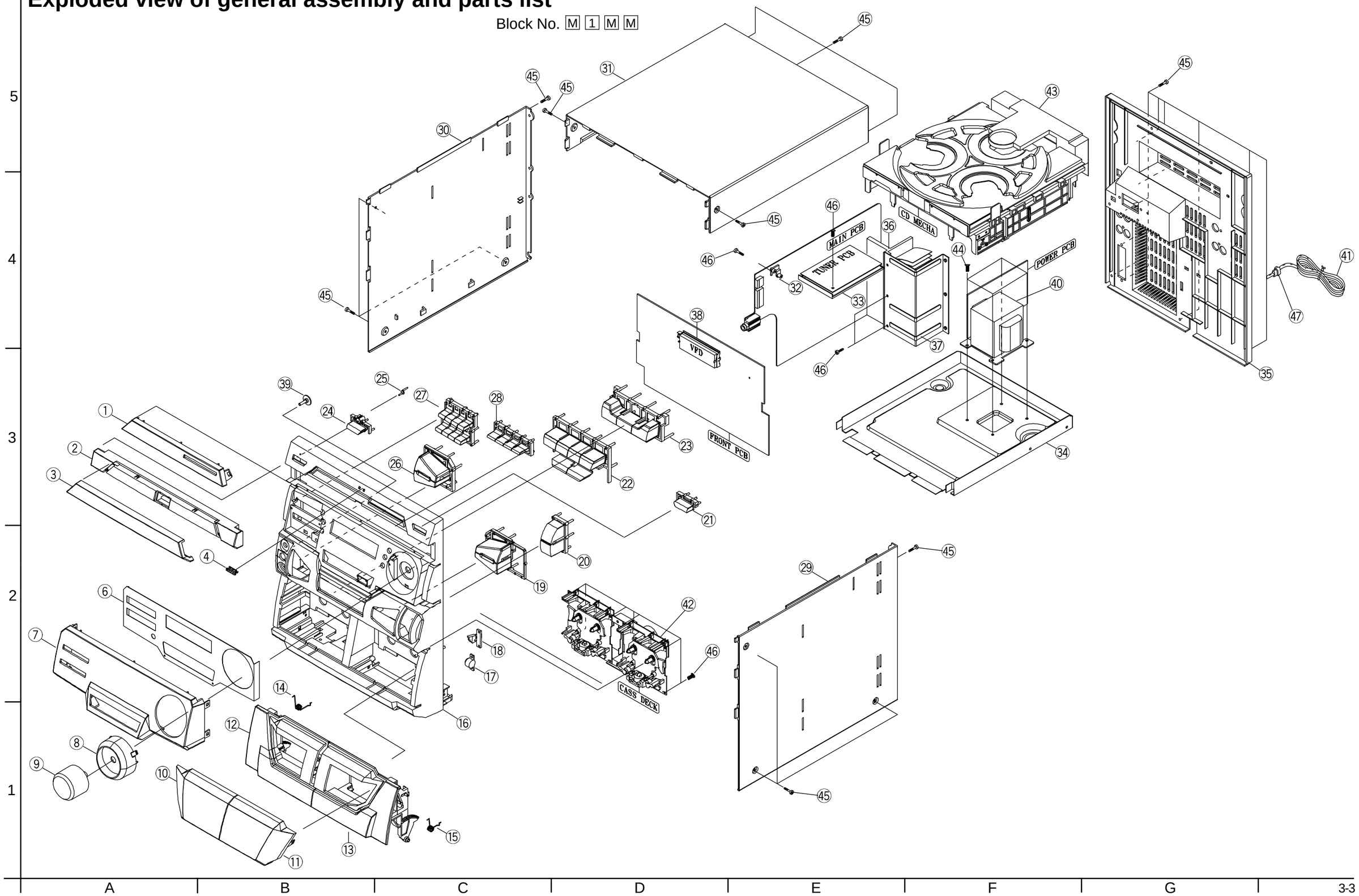
Area suffix

B ---------- U.K.
E ---------- Continental Europe
EN ---------- Northern Europe
EV ---------- Eastern Europe
EE ---------- Russian

- Contents -

Exploded view of general assembly and parts list

Block No. M 1 M M



■ Parts list(General assembly)

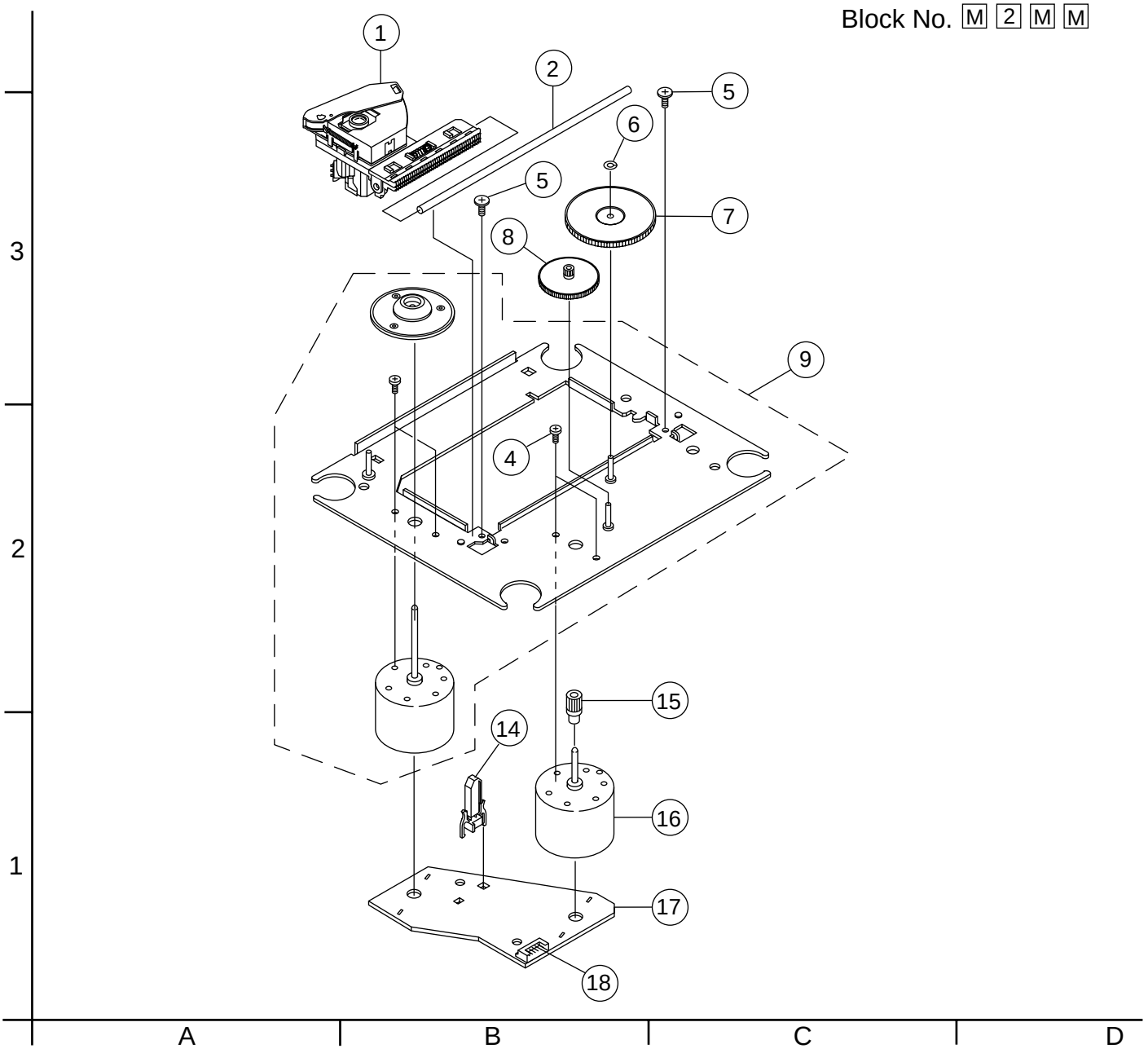
Block No. M1MM

⚠	Item	Parts number	Parts name	Q'ty	Description	Area
	1	AH64-00426B	WINDOW-CD	1		
	2	AH64-00414B	DOOR-CD	1		
	3	AH64-00429B	WINDOW-DOOR CD	1		
	4	AH64-00462A	BADGE-JVC	1		
	6	AH63-00107A	SHEET-FRONT	1		
	7	AH64-00430B	WINDOW-VFD	1		
	8	AH61-00271B	CAP-VOLUME	1		
	9	AH64-00422B	KNOB-VOLUME	1		
	10	AH64-00427B	WINDOW-DOORA	1		
	11	AH64-00428B	WINDOW-DOORB	1		
	12	AH64-00412B	CASSETTE LID A	1		
	13	AH64-00413B	CASSETTE LID B	1		
	14	AH61-62004A	SPRING-EJECT A	1		
	15	AH61-62004B	SPRING-EJECT B	1		
	16	AH64-00364B	CABINET-FRONT	1		
	17	AH61-80030A	DAMPER-ASSY	2		
	18	AH59-50001A	LATCH-ASSY	2		
	19	AH64-00421B	KNOB-RECORD	1		
	20	AH64-00423B	KNOB-DUBBING	1		
	21	AH64-00420B	KNOB-CD OPEN	1		
	22	AH64-00415B	KNOB-FUNCTION	1		
	23	AH64-00418B	KNOB-PRESET	1		
	24	AH64-00425B	KNOB-POWER	1		
	25	AH67-00035A	LENS-POWER	1		
	26	AH64-00440B	KNOB-PROGRAM	1		
	27	AH64-00424A	KNOB-SLEEP	1		
	28	AH64-00416A	KNOB-DISC	1		
	29	AH64-00432A	CABINET-SIDE R	1		
	30	AH64-00431A	CABINET-SIDE L	1		
	31	AH64-00443A	CABNET-TOP	1		
	32	AH61-00021A	HOLDER-PCB	1		
	33	AH61-20540A	HOLDER-TUNER	1		
	34	AH64-30416A	CABINET-BOTTOM	1		
	35	AH64-00365B	CABINET-REAR	1		
	36	AH62-00023A	HEAT SINK-MAIN	1		
	37	AH61-00250A	BRKT-H/SINK	1		
	38	AH61-00252A	HOLDER-VFD	1		
	39	AH61-00380A	SHAFT-H/PHONE	1		
⚠	40	AH26-00054D	POWER TRANS	1		
⚠	41	QMP39F0-183JE		1		
⚠		QMP39F0-183JE		1		EE
⚠		QMP5520-183	POWER CORD	1		B
	42	----------	DECK CASEETTE	1		
	43	----------	CD MECHANISM	1		
	44	QYSBSF4008Z	TAPPING SCREW	4		
	45	QYSDSF3008N	TAPPING SCREW	19		
	46	QYSBSF3008Z	TAPPING SCREW	12		
⚠	47	QZW0033-001	STRAIN RELIEF	1		

-MEMO-

CD mechanism assembly and parts list

Block No. M 2 M M



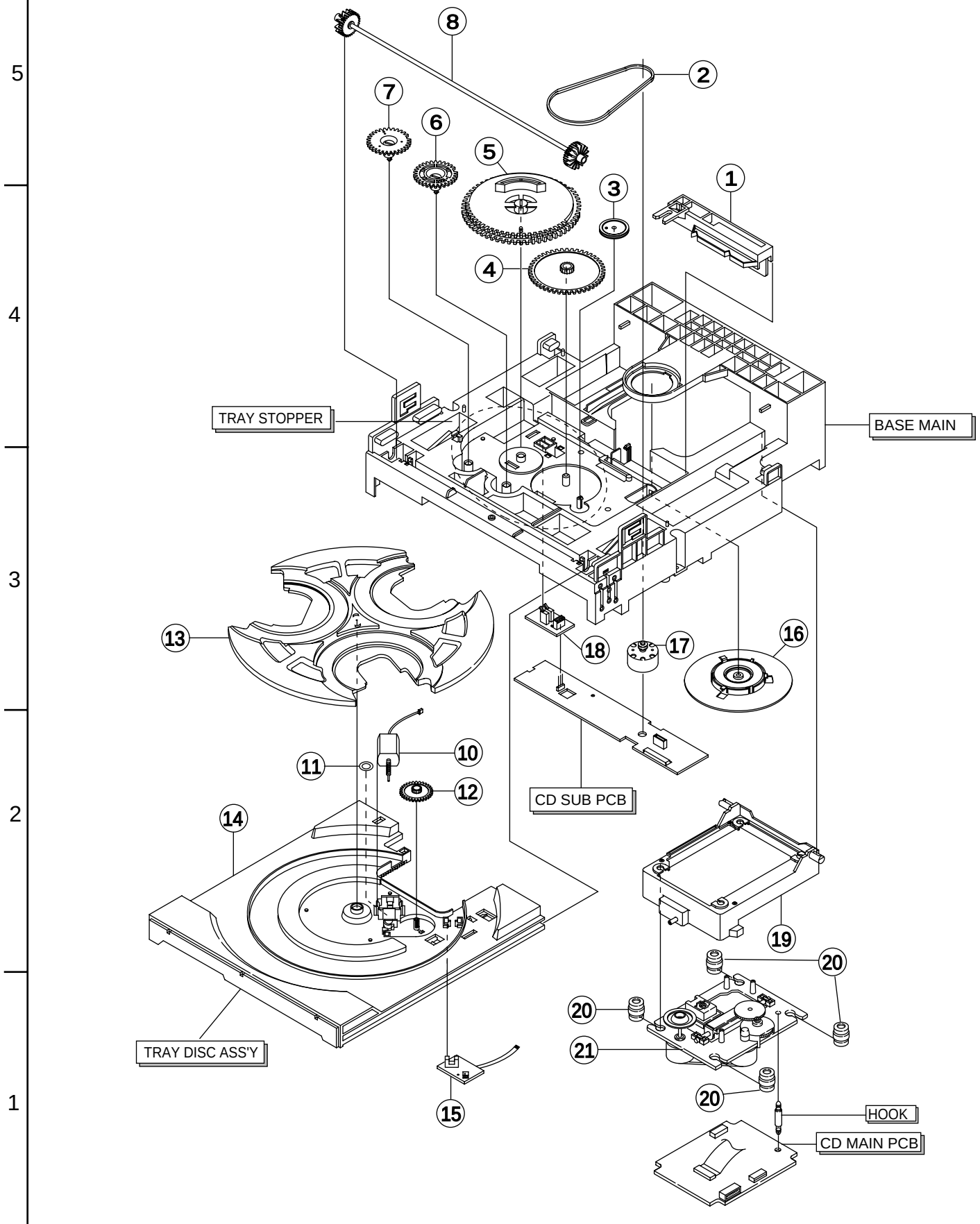
■ Parts list(CD mechanism)

Block No. M2MM

⚠	Item	Parts number	Parts name	Q'ty	Description	Area
	1	AH30-00007A	OPTICAL PICK-UP	1		
	2	AJ70-00601A	SHAFT-PU	1		
	4	AJ60-00601D	SCREW	2		
	5	6003-000294	SCREW	2	SHAFT	
	6	AJ60-00608A	WASHER	1	PLAIN	
	7	AJ66-00006A	GEAR(C)	1		
	8	AJ66-00005A	GEAR(B)	1		
	9	AH91-60150C	CHASSIS BASE	1		
	14	3409-001078	LEAF SWITCH	1		
	15	AJ66-00004A	GEAR(A)	1	FEED	
	16	AJ31-00601E	MOTOR-FEED	1		
	17	AJ41-00601S	MOTOR-PCB ASSY	1		
	18	AJ37-00601A	CONNECTOR	1		

CD changer mechanism assembly and parts list

Block No. M 3 M M



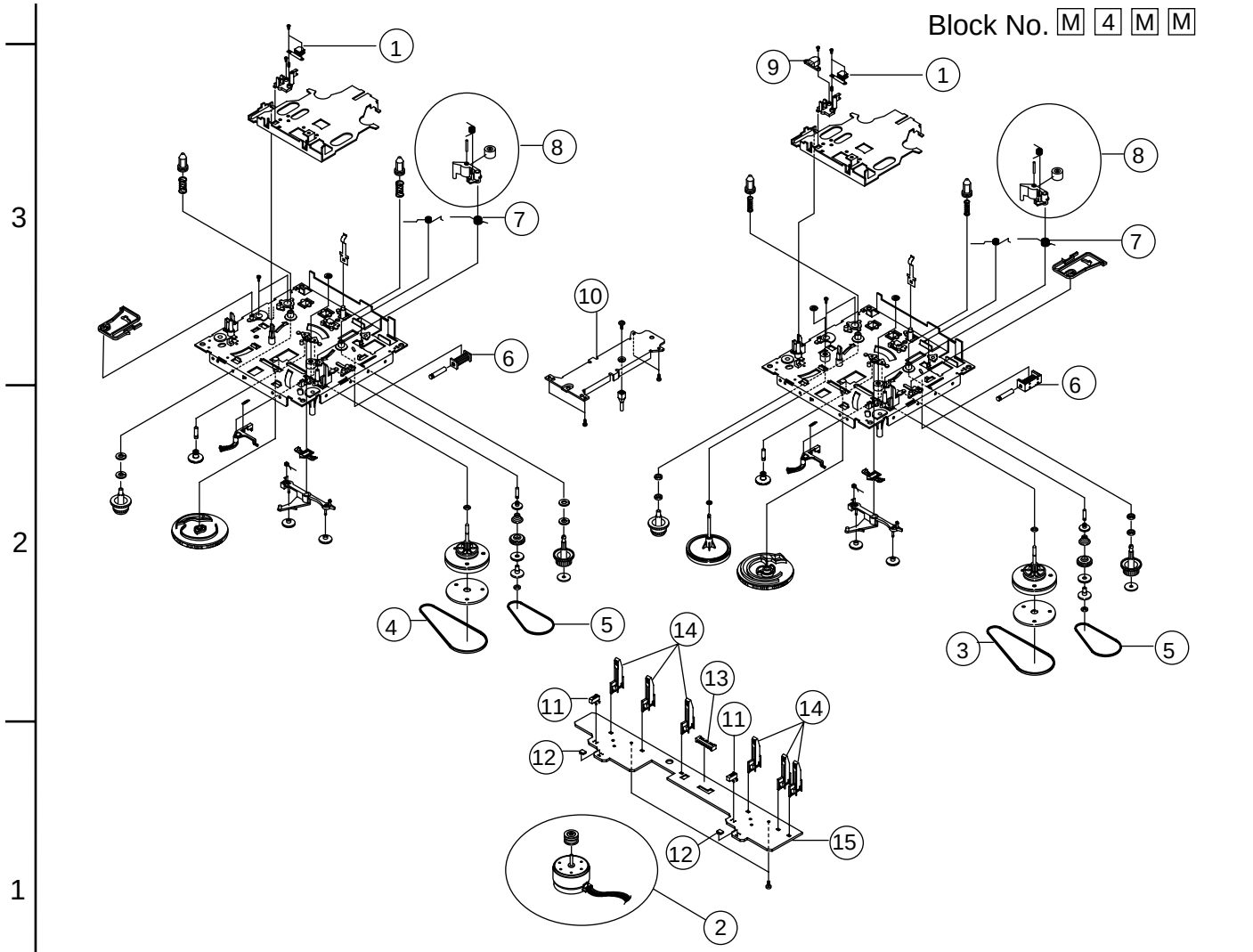
■ Parts list(CD changer mechanism)

Block No. M3MM

⚠	Item	Parts number	Parts name	Q'ty	Description	Area
	1	AH66-80022A	SLIDER CAM	1		
	2	AH66-60034A	ROAD BELT	1		
	3	AH66-20186A	PULLEY GEAR	1		
	4	AH66-20187A	ROAD GEAR	1		
	5	AH66-20188A	CAM GEAR	1		
	6	AH66-20189A	TRAY GEAR	1		
	7	AH66-20190A	CONVERT GEAR	1		
	8	AH66-20191A	SYNCRO GEAR	1		
	10	AH59-10098A	WORM-MOTOR ASSY	1		
	11	AH69-20044A	MOTOR CUSHION	1		
	12	AH66-20193A	ROULLETTE GEAR	1		
	13	AH66-90056A	ROULLETTE TRAY	1		
	14	AH66-90055A	DISK TRAY	1		
	15	AH59-10099A	SENSOR PCB ASSY	1		
	16	AH59-10100B	TABLE CHUCK ASS	1		
	17	AH59-10101A	MOTOR PULLY	1	ASS'Y PARTS	
	18	----------	SWITCH BOARD	1		
	19	AH66-30086A	LIFTER LEVER	1		
	20	AH73-10016A	RUBBER CUSHION	4		
	21	----------	CD MECHANISM	1		

Cassette mechanism assembly and parts list

Block No. M 4 M M



Note: Parts listed on the Parts List below can be supplied. However, parts that are not listed below cannot be supplied individually but only by purchasing the whole Cassette Mechanism Assembly Unit. (When ordering, use the Parts No. 59-20006U for Cassette Mechanism Assembly Unit.)

■ Parts list(Cassette mechanism)

Block No. M4MM

⚠	Item	Parts number	Parts name	Q'ty	Description	Area
	1	AH81-00141A	R/P HEAD	2	TC881CB	
	2	AH81-00142A	C.MOTOR ASS'Y	1	ADR2400-SHU2L	
	3	AH81-00143A	MAIN BELT 1	1	ADR2400-MAIN76.	
	4	AH81-00144A	MAIN BELT 2	1	ADR2400-MAIN64.	
	5	AH81-00101A	SUB BELT	2	ADR2400-FR34.7	
	6	AH81-00102A	SOLENOIDE	2	ADR2400-1	
	7	AH81-00282A	SPRING	2		
	8	AH81-00283A	PINCH LOLLER	2	ASS'Y PARTS	
	9	AH81-00284A	E-HEAD	1	TC2131F	
	10	AH81-00285A	MOTOR BRACKET	1		
	11	AH81-00286A	LEAF SWITCH	2	ADR2400-MODE	
	12	AH81-00287A	PHOTO SENSOR	2	ADR2400-SENSOR	
	13	AH81-00288A	CONNECTOR	1	ADR2400-16	
	14	AH81-00289A	LEAF SWITCH	6	ADR2400-MXS0022	
	15	AH81-00290A	P.C.BOARD	1		

Electrical parts list

■ **Electrical parts list (Main board)** **Block No. 01**

⚠	Item	Parts number	Parts name	Remarks	Area
	AC 1	2201-000557	C CAPACITOR		
	AC 2	2401-000419	E CAPACITOR		
	AC 3	2201-000368	C CAPACITOR		
	AC 4	2401-001164	E CAPACITOR		
	AC 5	2201-000659	C CAPACITOR		
	AC 6	2401-000357	E CAPACITOR		
	AC 7	2401-000357	E CAPACITOR		
	AC 8	2202-000817	C CAPACITOR		
	AC 10	2202-000854	C CAPACITOR		
	AC 11	2202-000854	C CAPACITOR		
	AC 13	2202-000817	C CAPACITOR		
	AC 14	2201-000368	C CAPACITOR		
	AC 15	2201-000659	C CAPACITOR		
	AC 16	2401-000419	E CAPACITOR		
	AC 17	2201-000557	C CAPACITOR		
	AC 18	2401-001164	E CAPACITOR		
	AC 20	2301-000375	C CAPACITOR		
	AC 21	2301-000375	C CAPACITOR		
	AC 22	2401-001092	E CAPACITOR		
	AC 23	2401-002180	E CAPACITOR		
	AC 24	2401-002180	E CAPACITOR		
	AC 25	2401-001889	E CAPACITOR		
	AC 26	2401-000871	E CAPACITOR		
	AC100	2401-001912	E CAPACITOR		
	AC102	2401-000419	E CAPACITOR		
	AD 1	1N4148	GE DIODE		
	AD 2	1N4148	GE DIODE		
	AD 3	1N4148	GE DIODE		
	AD 10	1N4148	GE DIODE		
	ADECK	AH39-20002D	CONNECTOR		
⚠	AIC 1	STK402-040	IC	POWER AMP	
	AJACK	3716-000209	TERMINAL BLOCK		
	AJW 1	AH39-00157D	LEAD-CONNECTOR		
	AL 1	AH27-90001A	COIL		E
	AL 2	AH27-90001A	COIL		E
	AL 3	AH27-90001A	COIL		E
	AL 4	AH27-90001A	COIL		E
	AQ 1	KSD471-YTA	TRANSISTOR		
	AQ 2	KSD471-YTA	TRANSISTOR		
	AQ 6	KSR2003TA	TRANSISTOR		
	AQ 7	KSA708-YTA	TRANSISTOR		
	AQ 8	KSA928A	TRANSISTOR		
	AQ 9	KSD471-YTA	TRANSISTOR		
	AQ 10	KSD471-YTA	TRANSISTOR		
	AR 1	2001-000429	C RESISTOR		
	AR 2	2001-000773	C RESISTOR		
	AR 3	2001-000273	C RESISTOR		
	AR 4	2001-000281	C RESISTOR		
	AR 5	2001-000864	C RESISTOR		
	AR 6	2001-000924	C RESISTOR		
	AR 7	2001-000864	C RESISTOR		
	AR 8	2001-001153	C RESISTOR		
	AR 9	2003-000390	OM RESISTOR		
	AR 10	2003-000390	OM RESISTOR		
	AR 11	2003-000390	OM RESISTOR		
	AR 12	2003-000390	OM RESISTOR		
	AR 17	2001-000028	C RESISTOR		
	AR 18	2001-000890	C RESISTOR		
	AR 19	2001-000793	C RESISTOR		
	AR 20	2001-000864	C RESISTOR		
	AR 23	2001-000273	C RESISTOR		
	AR 24	2001-000429	C RESISTOR		
	AR 25	2001-000780	C RESISTOR		

Item	Parts number	Parts name	Remarks	Area
AR 26	2001-000290	C RESISTOR		
AR 27	2001-000281	C RESISTOR		
AR 30	2003-000689	OM RESISTOR		
AR 31	2003-000689	OM RESISTOR		
AR 32	2001-000290	C RESISTOR		
AR 33	2001-000780	C RESISTOR		
AR 34	2001-000429	C RESISTOR		
AR 35	2001-000429	C RESISTOR		
AR 36	2001-000440	C RESISTOR		
AR 37	2001-000591	C RESISTOR		
AR 38	2001-000429	C RESISTOR		
AR 39	2001-000429	C RESISTOR		
AR100	2001-000449	C RESISTOR		
AR200	2001-000290	C RESISTOR		
AR201	2001-000290	C RESISTOR		
AR204	2001-000734	C RESISTOR		
AR205	2001-000734	C RESISTOR		
CCW 1	3710-001567	CONNECTOR		
CCW 2	3710-001571	CONNECTOR		
CON 1	AH39-50001L	LEAD-FASTEN		
DC 1	2301-000412	C CAPACITOR		
DC 2	2301-000379	C CAPACITOR		
DC 3	2301-000404	C CAPACITOR		
DC 4	2301-000442	C CAPACITOR		
DC 5	2201-000368	C CAPACITOR		
DC 6	2201-000368	C CAPACITOR		
DC 7	2401-001912	E CAPACITOR		
DC 9	2301-000390	C CAPACITOR		
DC 10	2301-000379	C CAPACITOR		
DC 11	2301-000370	C CAPACITOR		
DC 12	2301-000370	C CAPACITOR		
DC 13	2401-001022	E CAPACITOR		
DC 14	2401-001511	E CAPACITOR		
DC 15	2401-000240	E CAPACITOR		
DC 16	2301-000474	C CAPACITOR		
DC 17	2301-000393	C CAPACITOR		
DC 18	2301-000375	C CAPACITOR		
DC 19	2401-002180	E CAPACITOR		
DC 20	2401-001954	E CAPACITOR		
DC 21	2401-001022	E CAPACITOR		
DC 22	2202-000781	C CAPACITOR		
DC 23	2401-001511	E CAPACITOR		
DC 24	2401-000795	E CAPACITOR		
DC 25	2401-001022	E CAPACITOR		
DC 26	2201-000674	C CAPACITOR		
DC 27	2301-000400	C CAPACITOR		
DC 31	2401-001080	E CAPACITOR		
DC 32	2401-001022	E CAPACITOR		
DC 33	2401-001912	E CAPACITOR		
DC 34	2401-001080	E CAPACITOR		
DC 36	2201-000674	C CAPACITOR		
DC 37	2301-000407	C CAPACITOR		
DC 38	2401-001022	E CAPACITOR		
DC 39	2401-001511	E CAPACITOR		
DC 40	2202-000781	C CAPACITOR		
DC 41	2401-001022	E CAPACITOR		
DC 42	2301-000375	C CAPACITOR		
DC 43	2202-000781	C CAPACITOR		
DC 44	2401-002180	E CAPACITOR		
DC 45	2202-000781	C CAPACITOR		
DC 47	2301-000400	C CAPACITOR		
DC 48	2202-000796	C CAPACITOR		
DC 49	2401-000240	E CAPACITOR		

■ **Electrical parts list(Main board)** **Block No. 01**

⚠	Item	Parts number	Parts name	Remarks	Area
	DC 50	2401-001511	E CAPACITOR		
	DC 51	2301-000393	C CAPACITOR		
	DC 52	2401-001022	E CAPACITOR		
	DC 54	2301-000390	C CAPACITOR		
	DC 55	2301-000370	C CAPACITOR		
	DC 56	2301-000370	C CAPACITOR		
	DC 57	2301-000379	C CAPACITOR		
	DC 58	2301-000474	C CAPACITOR		
	DC 59	2401-000438	E CAPACITOR		
	DC 60	2401-000438	E CAPACITOR		
	DC 61	2401-001022	E CAPACITOR		
	DC 62	2401-001912	E CAPACITOR		
	DC 63	2202-000821	C CAPACITOR		
	DC 64	2202-000821	C CAPACITOR		
	DC 70	2401-001895	E CAPACITOR		
	DC 71	2202-000781	C CAPACITOR		
	DC 72	2202-000781	C CAPACITOR		
	DC 73	2301-000407	C CAPACITOR		
	DC 74	2202-000243	C CAPACITOR		
	DC 75	2202-000243	C CAPACITOR		
	DD 1	1N4148	GE DIODE		
	DD 2	1N4148	GE DIODE		
	DD 3	1N4148	GE DIODE		
	DD 4	1N4148	GE DIODE		
	DIC 1	KA22291	TRANSISTOR	PREAMP	
	DIC 2	KA4558	TRANSISTOR	OP AMP	
	DL 1	AH26-10002Y	COIL	BIAS-TRAP	
	DL 2	AH26-10002Y	COIL	BIAS-TRAP	
	DL 5	AH27-00018A	COIL	BAIS-OSC 85K	
	DO 1	KSC2331-Y-TA	TRANSISTOR		
	DO 2	KSA928A	TRANSISTOR		
	DO 3	KSC945-YTA	TRANSISTOR		
	DQ 4	KSR1003TA	TRANSISTOR		
	DO 5	KSC1008-YTA	TRANSISTOR		
	DO 6	KSC1008-YTA	TRANSISTOR		
	DO 7	KSC1008-YTA	TRANSISTOR		
	DO 8	KSC1008-YTA	TRANSISTOR		
	DQ 9	KSR2003TA	TRANSISTOR		
	DO 10	KSR1003TA	TRANSISTOR		
	DO 11	KSC945-YTA	TRANSISTOR		
	DO 12	KSC945-YTA	TRANSISTOR		
	DQ 13	KSC945-YTA	TRANSISTOR		
	DO 14	KSC945-YTA	TRANSISTOR		
	DO 15	KSR2003TA	TRANSISTOR		
	DO 16	KSC945-YTA	TRANSISTOR		
	DO 17	KSC945-YTA	TRANSISTOR		
	DQ 18	KSR2003TA	TRANSISTOR		
	DO 20	KSR1003TA	TRANSISTOR		
	DR 1	2001-000429	C RESISTOR		
	DR 2	2001-000440	C RESISTOR		
	DR 3	2001-000734	C RESISTOR		
	DR 5	2001-000290	C RESISTOR		
	DR 6	2001-001095	C RESISTOR		
	DR 7	2001-000786	C RESISTOR		
	DR 8	2001-000591	C RESISTOR		
	DR 9	2001-000290	C RESISTOR		
	DR 10	2001-000429	C RESISTOR		
	DR 11	2001-000708	C RESISTOR		
	DR 12	2001-000924	C RESISTOR		
	DR 13	2001-000005	C RESISTOR		
	DR 15	2001-000290	C RESISTOR		
	DR 16	2001-000290	C RESISTOR		
	DR 18	2001-000734	C RESISTOR		

⚠	Item	Parts number	Parts name	Remarks	Area
	DR 19	2001-000290	C RESISTOR		
	DR 20	2001-000924	C RESISTOR		
	DR 21	2001-000331	C RESISTOR	RN 1/8T 180K-J	
	DR 22	2001-000864	C RESISTOR		
	DR 23	2001-000003	C RESISTOR		
	DR 24	2001-000786	C RESISTOR		
	DR 25	2001-000890	C RESISTOR		
	DR 26	2001-000702	C RESISTOR		
	DR 27	2001-000325	C RESISTOR		
	DR 28	2001-000290	C RESISTOR		
	DR 40	2001-000449	C RESISTOR		
	DR 41	2001-000734	C RESISTOR		
	DR 42	2001-000591	C RESISTOR		
	DR 43	2001-000258	C RESISTOR		
	DR 47	2001-000522	C RESISTOR		
	DR 48	2001-000591	C RESISTOR		
	DR 49	2001-000734	C RESISTOR		
	DR 50	2001-000613	C RESISTOR		
	DR 58	2001-000325	C RESISTOR		
	DR 59	2001-000331	C RESISTOR		
	DR 61	2001-000734	C RESISTOR		
	DR 62	2001-000786	C RESISTOR		
	DR 63	2001-000591	C RESISTOR		
	DR 64	2001-000290	C RESISTOR		
	DR 65	2001-000429	C RESISTOR		
	DR 66	2001-000003	C RESISTOR		
	DR 67	2001-000924	C RESISTOR		
	DR 68	2001-000290	C RESISTOR		
	DR 69	2001-000331	C RESISTOR		
	DR 70	2001-000003	C RESISTOR		
	DR 71	2001-000397	C RESISTOR	RN 1/8T 180K-J	
	DR 72	2001-000977	C RESISTOR		
	DR 73	2001-000449	C RESISTOR		
	DR 74	2001-000786	C RESISTOR		
	DR 75	2001-000449	C RESISTOR		
	DR 76	2001-000429	C RESISTOR		
	DR 77	2001-000522	C RESISTOR		
	DR 78	2001-000734	C RESISTOR		
	DR 79	2001-000449	C RESISTOR		
	DR 80	2001-000449	C RESISTOR		
	DR 81	2001-000449	C RESISTOR		
	DR 82	2001-000449	C RESISTOR		
	DR 83	2001-000449	C RESISTOR		
	DR 84	2001-000449	C RESISTOR		
	DR 85	2001-000786	C RESISTOR		
	DR 86	2001-000734	C RESISTOR		
	DR 87	2001-000522	C RESISTOR		
	DR 88	2001-000449	C RESISTOR		
	DR 89	2001-000008	C RESISTOR		
	DR 90	2001-000591	C RESISTOR		
	DR 91	2001-000008	C RESISTOR		
	DR 92	2001-000591	C RESISTOR		
	DR 93	2001-000591	C RESISTOR		
	DR 94	2001-000864	C RESISTOR		
	DR 95	2001-000449	C RESISTOR		
	DR 96	2001-000864	C RESISTOR		
	DR 97	2001-000525	C RESISTOR		
	DR 98	2001-000449	C RESISTOR		
	DR 99	2001-000563	C RESISTOR		
	DR100	2001-000258	C RESISTOR		
	DR101	2001-000281	C RESISTOR		
	DR102	2001-000281	C RESISTOR		
	DVR 1	2103-000248	SEMI F.VR.		

■ **Electrical parts list(Main board)** **Block No. 01**

⚠	Item	Parts number	Parts name	Remarks	Area
	DVR 2	2103-000248	SEMI F.VR.		
	DVR 3	2103-000492	SEMI F.VR.		
	DW 1	3711-003111	CONNECTOR		
	DW 2	3711-003107	CONNECTOR		
	DW 3	3711-003107	CONNECTOR		
	EC 6	2401-000907	E CAPACITOR		
	FC 1	2301-000375	C CAPACITOR		
	FC 2	2301-000375	C CAPACITOR		
	FC 3	2201-000928	C CAPACITOR		
	FC 4	2401-001912	E CAPACITOR		
	FC 5	2401-001511	E CAPACITOR		
	FC 7	2301-000375	C CAPACITOR		
	FC 8	2201-000928	C CAPACITOR		
	FC 9	2401-001912	E CAPACITOR		
	FC 10	2202-000781	C CAPACITOR		
	FC 11	2301-000375	C CAPACITOR		
	FC 12	2202-000781	C CAPACITOR		
	FC 14	2401-001912	E CAPACITOR		
	FC 15	2401-001912	E CAPACITOR		
	FC 16	2201-000368	C CAPACITOR		
	FC 17	2201-000368	C CAPACITOR		
	FC 18	2401-001954	E CAPACITOR		
	FC 19	2401-001912	E CAPACITOR		
	FC 20	2401-001912	E CAPACITOR		
	FC 21	2301-000379	C CAPACITOR		
	FC 22	2201-000504	C CAPACITOR		
	FC 23	2401-001912	E CAPACITOR		
	FC 24	2401-001912	E CAPACITOR		
	FC 25	2401-001912	E CAPACITOR		
	FC 26	2401-001912	E CAPACITOR		
	FD 1	1N4148	GE DIODE		
	FIC 1	LC75341	IC	VOLUME/TONE CON	
	FJACK	3722-000377	JACK-RCA	4P/2C	
	FO 1	KSR1009TA	TRANSISTOR		
	FO 2	KSR1009TA	TRANSISTOR		
	FO 3	KSR2003TA	TRANSISTOR		
	FO 4	KSD471-YTA	TRANSISTOR		
	FR 1	2001-000613	C RESISTOR		
	FR 2	2001-000241	C RESISTOR		
	FR 3	2001-000023	C RESISTOR		
	FR 4	2001-000281	C RESISTOR		
	FR 5	2001-000281	C RESISTOR		
	FR 6	2001-000281	C RESISTOR		
	FR 7	2001-000613	C RESISTOR		
	FR 8	2001-000411	C RESISTOR		
	FR 9	2001-000008	C RESISTOR		
	FR 11	2001-000397	C RESISTOR		
	FR 12	2001-000786	C RESISTOR		
	FR 13	2001-000613	C RESISTOR		
	FR 14	2001-000786	C RESISTOR		
	FR 15	2001-000702	C RESISTOR		
	FR 16	2001-000429	C RESISTOR		
	FR 17	2001-000429	C RESISTOR		
	FR 18	2001-000977	C RESISTOR		
	FR 19	2001-000221	C RESISTOR		
	FW 1	3711-004109	CONNECTOR		
	FW 2	3711-002809	CONNECTOR		
	PC 1	2401-002592	E CAPACITOR		
	PC 2	2401-002592	E CAPACITOR		
	PC 3	2201-000783	C CAPACITOR		
	PC 4	2201-000783	C CAPACITOR		
	PC 5	2201-000783	C CAPACITOR		
	PC 6	2201-000783	C CAPACITOR		

⚠	Item	Parts number	Parts name	Remarks	Area
	PC 7	2401-003116	E CAPACITOR		
	PC 8	2401-001413	E CAPACITOR		
	PC 9	2401-001954	E CAPACITOR		
	PC 10	2401-001954	E CAPACITOR		
	PC 11	2401-001895	E CAPACITOR		
	PC 13	2401-001895	E CAPACITOR		
	PC 14	2401-001954	E CAPACITOR		
	PC 15	2401-001954	E CAPACITOR		
	PC 16	2401-001912	E CAPACITOR		
	PC 17	2401-000475	E CAPACITOR		
	PC 18	2401-001511	E CAPACITOR		
	PC 19	2401-000475	E CAPACITOR		
	PC 20	2401-000230	E CAPACITOR		
	PC 21	2401-001954	E CAPACITOR		
	PC 23	2201-000783	C CAPACITOR		
	PC 24	2201-000783	C CAPACITOR		
	PC 25	2401-001538	E CAPACITOR		
	PC 26	2401-001538	E CAPACITOR		
	PC 27	2301-000449	C CAPACITOR		
	PC 28	2401-000795	E CAPACITOR		
	PC 29	2401-001511	E CAPACITOR		
	PC 30	2201-000565	C CAPACITOR		
	PC 31	2401-001895	E CAPACITOR		
	PC 32	2401-001895	E CAPACITOR		
	PC 33	2202-000797	C CAPACITOR		
	PCW 1	AH39-00144A	LEAD-CONNECTOR	9P	
	PD 2	1N5392	DIODE		
	PD 3	1N5392	DIODE		
	PD 4	1N5392	DIODE		
	PD 5	1N5392	DIODE		
	PD 6	1N4002	DIODE		
	PD 7	1N4002	DIODE		
	PD 8	1N4002	DIODE		
	PD 9	1N5392	DIODE		
	PD 10	1N5392	DIODE		
	PIC 1	KA7812-ABC	IC	REGULATOR	
⚠	PIC 2	KA7805-AB	IC	REGULATOR +	
	PIC 3	KA7912-AB	IC	REGULATOR -	
	PL 1	2701-000116	INDUCTOR-AXIAL		
	PL 2	2701-000298	INDUCTOR-AXIAL	AX470UH	
⚠	PQ 1	2SB1566/EF/	TRANSISTOR	POWER	
⚠	PQ 2	2SB1566/EF/	TRANSISTOR	POWER	
	PQ 3	KSC1009-YTA	TRANSISTOR		
	PQ 4	KSC945-YTA	TRANSISTOR		
	PQ 5	KSA708-YTA	TRANSISTOR		
	PQ 6	KSA928A	TRANSISTOR		
	PQ 9	KSR1003TA	TRANSISTOR		
	PQ 10	KSA708-YTA	TRANSISTOR		
⚠	PQ 11	KTC4369-Y	TRANSISTOR	POWER	
⚠	PR 1	2003-000690	OM RESISTOR		
	PR 3	2001-000786	C RESISTOR		
	PR 4	2001-000793	C RESISTOR		
⚠	PR 5	2008-000135	FUSE RESISTOR		
⚠	PR 6	2008-000135	FUSE RESISTOR		
⚠	PR 7	2008-000135	FUSE RESISTOR		
	PR 8	2001-000890	C RESISTOR		
	PR 9	2001-000613	C RESISTOR		
	PR 10	2001-000734	C RESISTOR		
	PR 11	2003-000701	OM RESISTOR		
	PR 12	2001-001096	C RESISTOR		
	PR 13	2001-001153	C RESISTOR		
	PR 14	2001-000290	C RESISTOR		
	PR 15	2001-000522	C RESISTOR		

■ **Electrical parts list(Main board)** **Block No. 01**

⚠	Item	Parts number	Parts name	Remarks	Area
	PR 16	2001-000786	C RESISTOR		
	PR 17	2001-000734	C RESISTOR		
	PR 18	2001-000977	C RESISTOR		
	PR 19	2001-000290	C RESISTOR		
⚠	PR 20	2003-000690	OM RESISTOR		
	PR 21	2001-000290	C RESISTOR		
	PR 22	2001-000522	C RESISTOR		
	PR 23	2001-000780	C RESISTOR		
	PR 26	2003-000468	OM RESISTOR		
	PR 27	2001-000027	C RESISTOR		
	PZD 1	TZP16A	ZENER DIODE		
	PZD 2	TZP16A	ZENER DIODE		
	PZD 3	UZP5.6B	ZENER DIODE		
	PZD 4	UZ5.1BSB	ZENER DIODE		
	PZD 5	UZP10B	ZENER DIODE		
	PZD 6	UZP10B	ZENER DIODE		
	PZD 8	UZP10B	ZENER DIODE		
⚠	RC 1	2201-000546	C CAPACITOR		
	RCW 1	3711-001167	CONNECTOR	BOX 9P	
	RCW 2	3711-000190	CONNECTOR		
⚠	RF 1	3601-001204	FUSE	GMC-1.6A	
⚠	RR 1	2008-000135	FUSE RESISTOR		
⚠	RR 2	2008-000135	FUSE RESISTOR		
⚠	RR 3	2008-000137	FUSE RESISTOR		
⚠	RR 4	2008-000137	FUSE RESISTOR		
	RUCL1	3602-000147	FUSE CLIP		
	TO CH	AH39-50001L	LEAD-FASTEN		
	VR 32	2001-000786	C RESISTOR		
	VR 35	2001-000786	C RESISTOR		

■ **Electrical parts list(Tuner board)** **Block No. 02**

⚠	Item	Parts number	Parts name	Remarks	Area
	ANT	AH27-00012A	OSC COIL		
	FMPAK	AH40-00003A	TUNER PACK		
	HIC 1	LC72131D	IC	PLL	
	HR 1	2007-000586	CHIP RESISTOR		
	JW100	2007-000029	CHIP RESISTOR		
	OSC	AH27-00008A	OSC COIL		
	TC 1	2203-000609	C CAPASITOR		
	TC 2	2203-001517	C CAPASITOR		
	TC 3	2203-000260	C CAPASITOR		
	TC 4	2401-001975	C CAPACITOR		
	TC 5	2203-000609	C CAPASITOR		
	TC 6	2203-000979	C CAPASITOR		
	TC 7	2203-000429	C CAPASITOR		
	TC 9	2401-001975	C CAPACITOR		
	TC 10	2203-000979	C CAPASITOR		
	TC 11	2401-001912	E CAPACITOR		
	TC 12	2401-000419	E CAPACITOR		
	TC 13	2203-000979	C CAPASITOR		
	TC 14	2201-000565	C CAPACITOR		
	TC 15	2203-000979	C CAPASITOR		
	TC 16	2401-001954	E CAPACITOR		
	TC 17	2401-001912	E CAPACITOR		
	TC 18	2401-001968	C CAPACITOR		
	TC 19	2401-001912	E CAPACITOR		
	TC 20	2203-000260	C CAPASITOR		
	TC 21	2401-000240	E CAPACITOR		
	TC 23	2401-001954	E CAPACITOR		
	TC 25	2401-001954	E CAPACITOR		
	TC 26	2401-000419	E CAPACITOR		
	TC 27	2401-000419	E CAPACITOR		
	TC 28	2203-000260	C CAPASITOR		
	TC 29	2203-000260	C CAPASITOR		
	TC 30	2401-000419	E CAPACITOR		
	TC 32	2203-001132	C CAPASITOR		
	TC 33	2203-000844	C CAPASITOR		
	TC 34	2401-000907	E CAPACITOR		
	TC 35	2203-000979	C CAPASITOR		
	TC 36	2401-001022	E CAPACITOR		
	TC 38	2401-001164	E CAPACITOR		
	TC 39	2201-000565	C CAPACITOR		
	TC 40	2202-000796	C CAPACITOR		
	TC 41	2203-000239	C CAPASITOR		
	TC 42	2202-000796	C CAPACITOR		
	TC 43	2401-001968	C CAPACITOR		
	TC 44	2203-000260	C CAPASITOR		
	TC 45	2203-000979	C CAPASITOR		
	TC 46	2401-000240	E CAPACITOR		
	TC 47	2401-001895	E CAPACITOR		
	TC 48	2202-000807	C CAPASITOR		
	TC 50	2203-001611	C CAPASITOR		
	TC 51	2203-001611	C CAPASITOR		
	TC 61	2203-001105	C CAPASITOR		
	TC 62	2203-001105	C CAPASITOR		
	TC 63	2203-001551	C CAPASITOR		
	TC 64	2203-001551	C CAPASITOR		
	TC100	2201-000389	C CAPACITOR		
	TD 3	1N4148	GE DIODE		
	TD 4	1N4148	GE DIODE		
	TD 5	1N4148	GE DIODE		
	TD 6	1N4148	GE DIODE		
	TFL 1	2903-000119	CERAMIC FILTER	SFE10.7MJA-10-A	
	TFL 2	2903-000105	CERAMIC FILTER	10.7MHZ	
	TFL 4	14529-304-610	CERAMIC FILTER	AHCM2-450BL	

⚠	Item	Parts number	Parts name	Remarks	Area
	TIC 1	LA1837	IC		
	TJ 1	3716-000210	ANT TARMINAL		
	TJ 2	3711-000814	CONNECTOR		
	TJW41	2007-000029	CHIP RESISTOR		
	TJW42	2007-000029	CHIP RESISTOR		
	TL 2	AH26-10001E	IFT		
	TL 3	AH26-10020A	TRANS DET		
	TLPF1	AH26-00005A	IFT		
	TLPF2	AH26-00005A	IFT		
	TO 1	KSC945-YTA	TRANSISTOR		
	TO 2	KSC838-OTA	TRANSISTOR		
	TO 3	KSC838-OTA	TRANSISTOR		
	TO 4	KSA708-YTA	TRANSISTOR		
	TR 1	2001-000331	C RESISTOR		
	TR 2	2007-000300	CHIP RESISTOR		
	TR 3	2001-000449	C RESISTOR		
	TR 4	2007-000872	CHIP RESISTOR		
	TR 5	2001-000281	C RESISTOR		
	TR 6	2007-000030	CHIP RESISTOR		
	TR 7	2007-000518	CHIP RESISTOR		
	TR 8	2007-000822	CHIP RESISTOR		
	TR 9	2007-000468	CHIP RESISTOR		
	TR 10	2007-000308	CHIP RESISTOR		
	TR 11	2007-000572	CHIP RESISTOR		
	TR 12	2007-000686	CHIP RESISTOR		
	TR 13	2001-000515	C RESISTOR		
	TR 15	2007-000586	CHIP RESISTOR		
	TR 16	2001-000527	C RESISTOR		
	TR 17	2007-000981	CHIP RESISTOR		
	TR 18	2001-000449	C RESISTOR		
	TR 19	2007-000282	CHIP RESISTOR		
	TR 20	2007-000409	CHIP RESISTOR		
	TR 21	2007-000300	CHIP RESISTOR		
	TR 22	2007-000300	CHIP RESISTOR		
	TR 23	2007-000710	CHIP RESISTOR		
	TR 24	2007-000290	CHIP RESISTOR		
	TR 25	2007-001043	CHIP RESISTOR		
	TR 27	2007-001071	CHIP RESISTOR		
	TR 28	2007-000457	CHIP RESISTOR		
	TR 29	2007-000686	CHIP RESISTOR		
	TR 30	2001-000117	C RESISTOR		
	TR 32	2001-000429	C RESISTOR		
	TR 34	2001-000429	C RESISTOR		
	TR 35	2007-000493	CHIP RESISTOR		
	TR 36	2007-000493	CHIP RESISTOR		
	TR 37	2007-000586	CHIP RESISTOR		
	TR 38	2007-001177	CHIP RESISTOR		
	TR 39	2001-000290	C RESISTOR		
	TR 40	2001-000522	C RESISTOR		
	TR 41	2001-000522	C RESISTOR		
	TR 42	2001-000734	C RESISTOR		
	TR 43	2007-000290	CHIP RESISTOR		
	TR 44	2001-000118	C RESISTOR		
	TR 45	2007-000282	CHIP RESISTOR		
	TR 46	2007-000300	CHIP RESISTOR		
	TR 47	2007-000282	CHIP RESISTOR		
	TR 48	2007-000300	CHIP RESISTOR		
	TR 49	2007-000282	CHIP RESISTOR		
	TR 50	2007-000300	CHIP RESISTOR		
	TR 51	2007-000872	CHIP RESISTOR		
	TR 52	2007-000468	CHIP RESISTOR		
	TR 53	2007-000300	CHIP RESISTOR		
	TR 54	2007-000300	CHIP RESISTOR		

■ **Electrical parts list(Tuner board)** **Block No. 02**

⚠	Item	Parts number	Parts name	Remarks	Area
	TR 55	2001-000429	C RESISTOR		
	TR 56	2007-000300	CHIP RESISTOR		
	TR 57	2001-000290	C RESISTOR		
	TR 58	2001-000273	C RESISTOR		
	TR 61	2001-000591	C RESISTOR		
	TR 62	2001-000591	C RESISTOR		
	TR100	2001-000527	C RESISTOR		
	TR101	2007-000033	CHIP RESISTOR		
	TR102	2007-000033	CHIP RESISTOR		
	TR103	2007-000033	CHIP RESISTOR		
	TR104	2007-000033	CHIP RESISTOR		
	TR105	2007-000029	CHIP RESISTOR		
	TSR 1	2103-000290	VR-SEMI F.VR		
	TWA 1	3710-001421	C/SOCKET	14P	
	TX 1	2801-000734	CRYSTAL UNIT	7.2MHZ	
	TZD 1	UZ7.5BSC	ZENER DIODE	7.5V	
	TZD 2	UZP5.1B	ZENER DIODE	5.1V	
	VVC 1	KV1260	VARI-CAPA		

■ **Electrical parts list(Front board)** **Block No. 03**

⚠	Item	Parts number	Parts name	Remarks	Area
	GND 1	AH39-50001L	LEAD-FASTEN		
	REEYE	GP1U281R	IFR DETECT UNIT		
	SW 1	3404-000165	TACT SWITCH		
	SW 2	3404-000165	TACT SWITCH		
	SW 3	3404-000165	TACT SWITCH		
	SW 4	3404-000165	TACT SWITCH		
	SW 5	3404-000165	TACT SWITCH		
	SW 6	3404-000165	TACT SWITCH		
	SW 7	3404-000165	TACT SWITCH		
	SW 8	3404-000165	TACT SWITCH		
	SW 9	3404-000165	TACT SWITCH		
	SW 10	3404-000165	TACT SWITCH		
	SW 11	3404-000165	TACT SWITCH		
	SW 12	3404-000165	TACT SWITCH		
	SW 13	3404-000165	TACT SWITCH		
	SW 14	3404-000165	TACT SWITCH		
	SW 15	3404-000165	TACT SWITCH		
	SW 16	3404-000165	TACT SWITCH		
	SW 17	3404-000165	TACT SWITCH		
	SW 18	3404-000165	TACT SWITCH		
	SW 19	3404-000165	TACT SWITCH		
	SW 20	3404-000165	TACT SWITCH		
	SW 21	3404-000165	TACT SWITCH		
	SW 22	3404-000165	TACT SWITCH		
	SW 23	3404-000165	TACT SWITCH		
	SW 24	3404-000165	TACT SWITCH		
	SW 25	3404-000165	TACT SWITCH		
	SW 27	3404-000165	TACT SWITCH		
	SW 28	3404-000165	TACT SWITCH		
	SW 29	3404-000165	TACT SWITCH		
	SW 30	3404-000165	TACT SWITCH		
	SW 31	3404-000165	TACT SWITCH		
	SW 32	3404-000165	TACT SWITCH		
	SW 33	3404-000165	TACT SWITCH		
	SW 34	3404-000165	TACT SWITCH		
	UC 1	2401-000475	E CAPACITOR		
	UC 2	2401-000475	E CAPACITOR		
	UC 3	2201-000565	C CAPACITOR		
	UC 4	2201-000565	C CAPACITOR		
	UC 5	2201-000565	C CAPACITOR		
	UC 6	2401-000244	E CAPACITOR		
	UC 7	2201-000825	C CAPACITOR		
	UC 8	2201-000825	C CAPACITOR		
	UC 9	2201-000247	C CAPACITOR		
	UC 10	2201-000247	C CAPACITOR		
	UC 11	2401-000475	E CAPACITOR		
	UC 12	2401-000759	E CAPACITOR		
	UC 13	2401-001952	E CAPACITOR		
	UC 14	2202-000807	C CAPACITOR		
	UC 15	2202-000854	C CAPACITOR		
	UC 16	2201-000300	C CAPACITOR		
	UC 17	2202-000797	C CAPACITOR		
	UC 18	2202-000797	C CAPACITOR		
	UC 30	2401-001355	E CAPACITOR		
	UCW 1	3711-004420	CONNECTOR	TMC-D10P	
	UCW 2	3711-004424	CONNECTOR	TMC-D20P	
	UCW 3	3708-000454	CONNECTOR	22P	
	UCW 7	3711-000906	CONNECTOR		
	UCW 8	3708-000451	CONNECTOR	16P	
	UCW 9	AH39-00157A	LEAD CONNECTOR	3P	
	UCW8W	3809-001146	CABLE FLAT		
	UD 20	1N4002	DIODE		
	UD 21	1N4002	DIODE		

⚠	Item	Parts number	Parts name	Remarks	Area
	UD 22	1N4002	DIODE		
	UD 23	1N4148	GE DIODE		
	UD 24	1N4002	DIODE		
	UD 25	1N4148	GE DIODE		
	UD 26	1N4148	GE.DIODE		
	UD 27	1N4148	GE DIODE		
	UD 28	1N4148	GE DIODE		
	UD 29	1N4148	GE DIODE		
	UD 30	1N4002	DIODE		
	UIC 1	LC86P6548-5P31	IC(MICON-COMP)		
	UIC 2	NJU3711M	IC		
	ULD 1	LTL-1CHESS-UA	LED		
	UO 1	KSC945-YTA	TRANSISTOR		
	UO 2	KSC945-YTA	TRANSISTOR		
	UO 3	KSA928A	TRANSISTOR		
	UO 4	KSR1003TA	TRANSISTOR		
	UQ 5	KSR1003TA	TRANSISTOR		
	UO 6	KSA928A	TRANSISTOR		
	UO 7	KSA928A	TRANSISTOR		
	UO 8	KSR1003TA	TRANSISTOR		
	UQ 9	KSC945-YTA	TRANSISTOR		
	UO 10	KSR1003TA	TRANSISTOR		
	UO 15	KSR1003TA	TRANSISTOR		
	UR 1	2001-000258	C RESISTOR		
	UR 2	2001-000405	C RESISTOR	RN 1/8T 180-J	
	UR 3	2001-000241	C RESISTOR		
	UR 4	2001-000429	C RESISTOR		
	UR 5	2001-000429	C RESISTOR		
	UR 6	2001-000429	C RESISTOR		
	UR 7	2001-000734	C RESISTOR		
	UR 8	2001-000734	C RESISTOR		
	UR 9	2001-000734	C RESISTOR		
	UR 10	2001-000734	C RESISTOR		
	UR 11	2001-000734	C RESISTOR		
	UR 12	2001-000734	C RESISTOR		
	UR 13	2001-000734	C RESISTOR		
	UR 14	2001-000734	C RESISTOR		
	UR 15	2001-000734	C RESISTOR		
	UR 16	2001-000734	C RESISTOR		
	UR 17	2001-000734	C RESISTOR		
	UR 20	2001-000290	C RESISTOR		
	UR 21	2001-000290	C RESISTOR		
	UR 22	2001-000290	C RESISTOR		
	UR 23	2001-000290	C RESISTOR		
	UR 24	2001-000281	C RESISTOR		
	UR 25	2001-000429	C RESISTOR		
	UR 26	2001-000429	C RESISTOR		
	UR 27	2001-000429	C RESISTOR		
	UR 28	2001-000429	C RESISTOR		
	UR 29	2001-000429	C RESISTOR		
	UR 30	2001-000429	C RESISTOR		
	UR 31	2001-000591	C RESISTOR		
	UR 32	2001-000429	C RESISTOR		
	UR 33	2001-000429	C RESISTOR		
	UR 34	2001-000429	C RESISTOR		
	UR 35	2001-000429	C RESISTOR		
	UR 36	2001-000429	C RESISTOR		
	UR 37	2001-000429	C RESISTOR		
	UR 38	2001-000290	C RESISTOR		
	UR 39	2001-000290	C RESISTOR		
	UR 40	2001-000290	C RESISTOR		
	UR 41	2001-000290	C RESISTOR		
	UR 42	2001-000281	C RESISTOR		

■ **Electrical parts list(Front board)** **Block No. 03**

⚠	Item	Parts number	Parts name	Remarks	Area
	UR 43	2001-000281	C RESISTOR		
	UR 44	2001-000281	C RESISTOR		
	UR 45	2001-000281	C RESISTOR		
	UR 46	2001-000734	C RESISTOR		
	UR 47	2001-000449	C RESISTOR		
	UR 48	2001-000591	C RESISTOR		
	UR 49	2001-000449	C RESISTOR		
	UR 50	2001-000258	C RESISTOR		
	UR 51	2001-001178	C RESISTOR		
	UR 52	2001-000241	C RESISTOR		
	UR 53	2001-000429	C RESISTOR		
	UR 54	2001-000734	C RESISTOR		
	UR 55	2001-000591	C RESISTOR		
	UR 56	2001-000508	C RESISTOR		
	UR 57	2001-000793	C RESISTOR		
	UR 58	2001-000429	C RESISTOR		
	UR 59	2001-000241	C RESISTOR		
	UR 60	2001-000258	C RESISTOR		
	UR 61	2001-000273	C RESISTOR		
	UR 62	2001-000273	C RESISTOR		
	UR 63	2001-000273	C RESISTOR		
	UR 64	2001-000273	C RESISTOR		
	UR 65	2001-000429	C RESISTOR		
	UR 66	2001-000429	C RESISTOR		
	UR 67	2001-000449	C RESISTOR		
	UR 68	2001-000281	C RESISTOR		
	UR 69	2001-000281	C RESISTOR		
	UR 70	2001-000281	C RESISTOR		
	UR 71	2001-000429	C RESISTOR		
	UR 72	2001-000522	C RESISTOR		
	UR 73	2001-000429	C RESISTOR		
	UR 74	2001-000429	C RESISTOR		
	UR 75	2001-000429	C RESISTOR		
	UR 76	2001-000429	C RESISTOR		
	UR 77	2001-000429	C RESISTOR		
	UR 78	2001-000429	C RESISTOR		
	UR 79	2001-000429	C RESISTOR		
	UR 80	2001-000290	C RESISTOR		
	UR 81	2001-000290	C RESISTOR		
	UR 82	2001-000429	C RESISTOR		
	UR 83	2001-000273	C RESISTOR		
	UR 84	2001-000977	C RESISTOR		
	UR 85	2001-000411	C RESISTOR		
	UR 86	2001-000786	C RESISTOR		
	UR 87	2001-000290	C RESISTOR		
	UR 88	2001-000613	C RESISTOR		
	UR 89	2001-000613	C RESISTOR		
	UR 90	2001-000613	C RESISTOR		
	UR 91	2001-001178	C RESISTOR		
	UR 92	2001-001178	C RESISTOR		
	UR 93	2001-000449	C RESISTOR		
	UR 94	2001-000591	C RESISTOR		
	UR 95	2001-000734	C RESISTOR		
	UR 96	2001-000977	C RESISTOR		
	UR 97	2001-000411	C RESISTOR		
	UR 99	2001-000522	C RESISTOR		
	UR201	2001-000273	C RESISTOR		
	UVR 1	3406-001047	ROTARY SWITCH		
	UVR 2	2103-000492	SEMI F.VR.		
	UX 1	2802-000181	CERAMIC RESONAT	6MHZ	
	UX 2	2801-001394	CRYSTAL-UNIT	32.768KHZ	
	UXR 1	2001-000850	C RESISTOR		
	UXR 2	2001-000295	C RESISTOR		

⚠	Item	Parts number	Parts name	Remarks	Area
	VFD	AH07-00016A	FL DISPLAY TUBE		
	VFDHL	AH61-00252A	HOLDER-VFD		

■ **Electrical parts list(CD board)** **Block No. 04**

⚠	Item	Parts number	Parts name	Remarks	Area
	CW101	AH39-20025S	CONNECTOR		
	CW102	AH39-20561P	CONNECTOR		
	CW500	3711-000906	CONNECTOR		
	IC922	KB9223	IC	ASP	
	IC925	KA9258D	IC	MOTOR DRIVER	
	IC928	KS9286B	IC	DSP	
	NC 1	2203-000260	C CAPASITOR		
	NC 54	2401-001952	E CAPACITOR		
	NC100	2203-000892	C CAPACITOR		
	NC101	2203-000802	C CAPACITOR		
	NC102	2203-001551	C CAPASITOR		
	NC103	2203-000260	C CAPASITOR		
	NC104	2203-001537	C CAPACITOR		
	NC105	2401-000240	E CAPACITOR		
	NC106	2203-000892	C CAPACITOR		
	NC107	2203-000206	C CAPACITOR		
	NC108	2203-000206	C CAPACITOR		
	NC110	2203-000495	C CAPACITOR		
	NC111	2203-000802	C CAPACITOR		
	NC112	2203-000260	C CAPASITOR		
	NC113	2203-000260	C CAPASITOR		
	NC114	2401-000419	E CAPACITOR		
	NC115	2203-001137	C CAPACITOR		
	NC116	2203-000260	C CAPASITOR		
	NC117	2203-000477	C CAPACITOR		
	NC118	2203-000787	C CAPACITOR		
	NC119	2203-000206	C CAPACITOR		
	NC120	2203-000206	C CAPACITOR		
	NC121	2203-000206	C CAPACITOR		
	NC122	2401-001952	E CAPACITOR		
	NC124	2401-001324	E CAPACITOR		
	NC125	2203-000802	C CAPACITOR		
	NC190	2203-000429	C CAPASITOR		
	NC200	2203-000979	C CAPASITOR		
	NC201	2203-001551	C CAPASITOR		
	NC202	2203-001619	C CAPACITOR		
	NC203	2203-001619	C CAPACITOR		
	NC204	2401-001324	E CAPACITOR		
	NC205	2203-000260	C CAPASITOR		
	NC300	2202-000796	C CAPACITOR		
	NC301	2401-000778	E CAPACITOR		
	NC400	2202-000243	C CAPACITOR		
	NC50L	2401-001952	E CAPACITOR		
	NC50R	2401-001952	E CAPACITOR		
	NC501	2401-000240	E CAPACITOR		
	NC502	2203-000260	C CAPASITOR		
	NC503	2203-000260	C CAPASITOR		
	NC504	2203-000260	C CAPASITOR		
	NC52L	2203-001537	C CAPACITOR		
	NC52R	2203-001537	C CAPACITOR		
	NC53L	2203-000260	C CAPASITOR		
	NC53R	2203-000260	C CAPASITOR		
	NC55L	2401-001952	E CAPACITOR		
	NC55R	2401-001952	E CAPACITOR		
	NC600	2203-000206	C CAPACITOR		
	NC601	2401-001895	E CAPACITOR		
	NC602	2203-000260	C CAPASITOR		
	NC603	2203-001537	C CAPACITOR		
	NC604	2203-000979	C CAPASITOR		
	NC700	2401-000778	E CAPACITOR		
	NC701	2401-000778	E CAPACITOR		
	NC702	2401-000240	E CAPACITOR		
	NC703	2401-001102	E CAPACITOR		

⚠	Item	Parts number	Parts name	Remarks	Area
	NC800	2203-000260	C CAPASITOR		
	NC804	2203-000260	C CAPASITOR		
	NC901	2203-000206	C CAPACITOR		
	NC903	2203-001537	C CAPACITOR		
	NC904	2401-000240	E CAPACITOR		
	NC905	2203-000260	C CAPASITOR		
	ND200	1N4148	GE DIODE		
	ND201	1N4148	GE DIODE		
	ND202	1N4148	GE DIODE		
	ND203	1N4148	GE DIODE		
	NIC05	KA78L05Z-TA	IC	POSI.ADJUST REG	
	NL100	2701-000114	INDUCTOR-AXIAL	10UH	
	NL101	2701-000111	INDUCTOR-AXIAL	100UH	
	NL102	2701-000111	INDUCTOR-AXIAL	100UH	
	NL105	3301-000325	CORE-FERRITE BE		
	NL300	3301-000297	CORE-FERRITE		
	NL301	3301-000297	CORE-FERRITE		
	NL302	3301-000297	CORE-FERRITE		
	NR 1	2001-000429	C RESISTOR		
	NR 2	2001-000429	C RESISTOR		
	NR 3	2001-000429	C RESISTOR		
	NR 4	2007-000468	CHIP RESISTOR		
	NR 5	2007-000468	CHIP RESISTOR		
	NR 6	2007-000468	CHIP RESISTOR		
	NR 7	2007-000468	CHIP RESISTOR		
	NR 8	2001-000429	C RESISTOR		
	NR 10	2007-000468	CHIP RESISTOR		
	NR 11	2007-000468	CHIP RESISTOR		
	NR 12	2007-000468	CHIP RESISTOR		
	NR 13	2007-000395	CHIP RESISTOR		
	NR100	2007-000355	CHIP RESISTOR		
	NR101	2007-000593	CHIP RESISTOR		
	NR103	2007-000395	CHIP RESISTOR		
	NR104	2007-000338	CHIP RESISTOR		
	NR105	2007-000830	CHIP RESISTOR		
	NR106	2001-000319	C RESISTOR		
	NR107	2007-000338	CHIP RESISTOR		
	NR108	2007-000941	CHIP RESISTOR		
	NR109	2007-000282	CHIP RESISTOR		
	NR111	2007-000941	CHIP RESISTOR		
	NR112	2007-001039	CHIP RESISTOR		
	NR113	2001-000977	C RESISTOR		
	NR114	2007-000477	CHIP RESISTOR		
	NR115	2007-000444	CHIP RESISTOR		
	NR116	2007-001195	CHIP RESISTOR		
	NR117	2007-000898	CHIP RESISTOR		
	NR119	2007-000395	CHIP RESISTOR		
	NR120	2007-000355	CHIP RESISTOR		
	NR121	2007-000355	CHIP RESISTOR		
	NR200	2007-000653	CHIP RESISTOR		
	NR201	2007-000686	CHIP RESISTOR		
	NR202	2007-000686	CHIP RESISTOR		
	NR203	2007-000282	CHIP RESISTOR		
	NR204	2007-000355	CHIP RESISTOR		
	NR300	2007-000282	CHIP RESISTOR		
	NR400	2007-000409	CHIP RESISTOR		
	NR50L	2007-000586	CHIP RESISTOR		
	NR50R	2007-000586	CHIP RESISTOR		
	NR52L	2007-000653	CHIP RESISTOR		
	NR52R	2007-000653	CHIP RESISTOR		
	NR53L	2007-000872	CHIP RESISTOR		
	NR53R	2007-000872	CHIP RESISTOR		
	NR54L	2007-000468	CHIP RESISTOR		

■ **Electrical parts list(CD board)** **Block No. 04**

⚠	Item	Parts number	Parts name	Remarks	Area
	NR54R	2007-000468	CHIP RESISTOR		
	NR55L	2007-000872	CHIP RESISTOR		
	NR55R	2007-000872	CHIP RESISTOR		
	NR555	2008-000140	C RESISTOR		
	NR57L	2007-000282	CHIP RESISTOR		
	NR57R	2007-000282	CHIP RESISTOR		
	NR602	2007-000300	CHIP RESISTOR		
	NR603	2007-000300	CHIP RESISTOR		
	NR604	2007-000468	CHIP RESISTOR		
	NR606	2007-000282	CHIP RESISTOR		
	NR804	2007-000468	CHIP RESISTOR		
	NR994	2007-001208	CHIP RESISTOR		
	NR995	2007-000830	CHIP RESISTOR		
	NR996	2007-000830	CHIP RESISTOR		
	NR997	2007-000830	CHIP RESISTOR		
	NR998	2007-000830	CHIP RESISTOR		
	NR999	2007-001208	CHIP RESISTOR		
	Q1501	KSA928A	SI.TRANSISTOR		
	O1502	KSA812	TRANSISTOR		
	SC 1	2203-000260	C CAPASITOR		
	SC 2	2203-000260	C CAPASITOR		
	SC 5	2401-000795	E CAPACITOR		
	SC 6	2203-000260	C CAPASITOR		
	SC 14	2401-000240	E CAPACITOR		
	SCO 4	KA78L05Z-TA	IC	POSI.ADJUST REG	
	SCW 1	3708-001438	CONNECTOR	22P	
	SCW 5	3708-001131	CONNECTOR	5P	
	SCW 7	3711-003379	CONNECTOR		
	SIC 1	KA3082	IC	MOTOR DRIVER	
	SIC 2	KA3082	IC	MOTOR DRIVER	
	SL 1	2701-000179	INDUCTOR-AXIAL	33UH	
	SR 1	2001-000027	C RESISTOR		
	SR 2	2007-000872	CHIP RESISTOR		
	SR 3	2007-000468	CHIP RESISTOR		
	SR 4	2007-000468	CHIP RESISTOR		
	SZD 1	UZ4.7BM	ZENER DIODE	4.7V	
	SZD 2	UZ6.2BSB	ZENER DIODE	6.2V	
	WCW 1	3708-001252	CONNECTOR	16P	
	XF100	2802-000211	CER.RESONATOR	16.93MHZ	

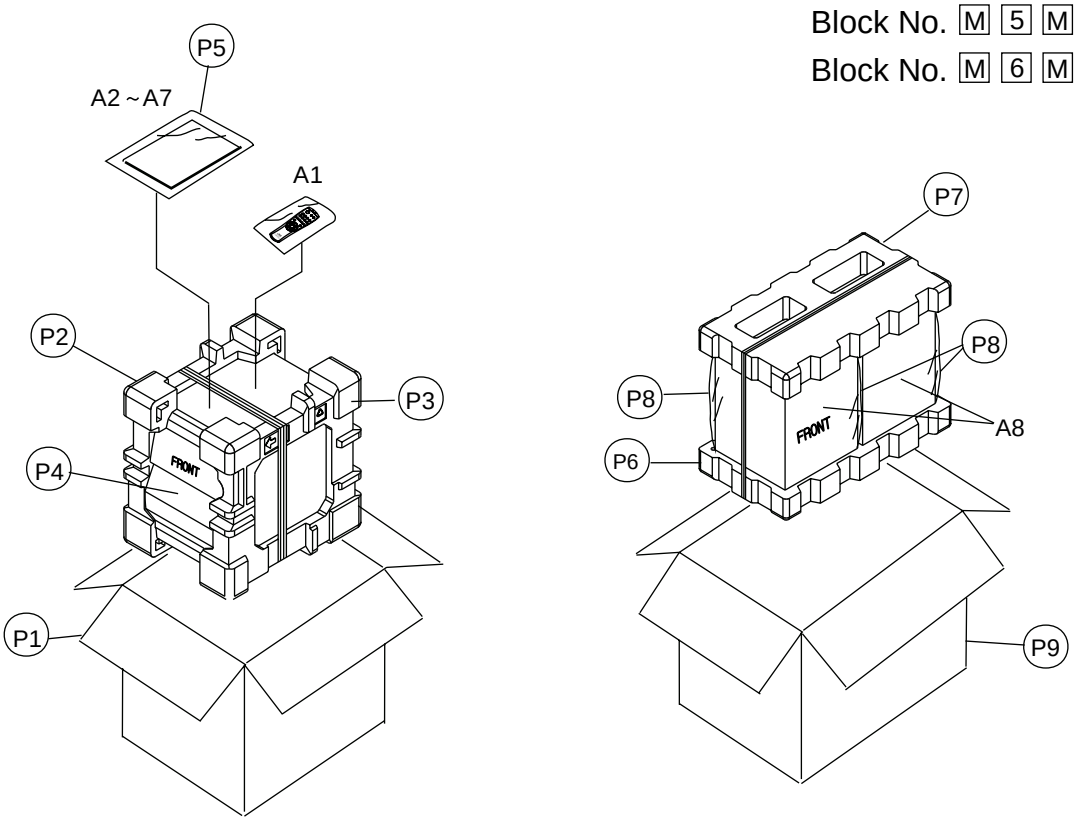
■ **Electrical parts list(Mic / Headphone board)** **Block No. 05**

⚠	Item	Parts number	Parts name	Remarks	Area
	HC 1	2202-000796	C CAPACITOR		
	HC 2	2202-000796	C CAPACITOR		
	HC 3	2202-000263	C CAPACITOR		
	HC 4	2202-000263	C CAPACITOR		
	HCW 1	3711-001009	CONNECTOR		
	HL 1	2701-000111	INDUCTOR-AXIAL		
	HL 2	2701-000111	INDUCTOR-AXIAL		
	HR 1	2001-001178	C RESISTOR		
	HR 2	2001-001178	C RESISTOR		
	JACK1	3722-000363	JACK PHONE		

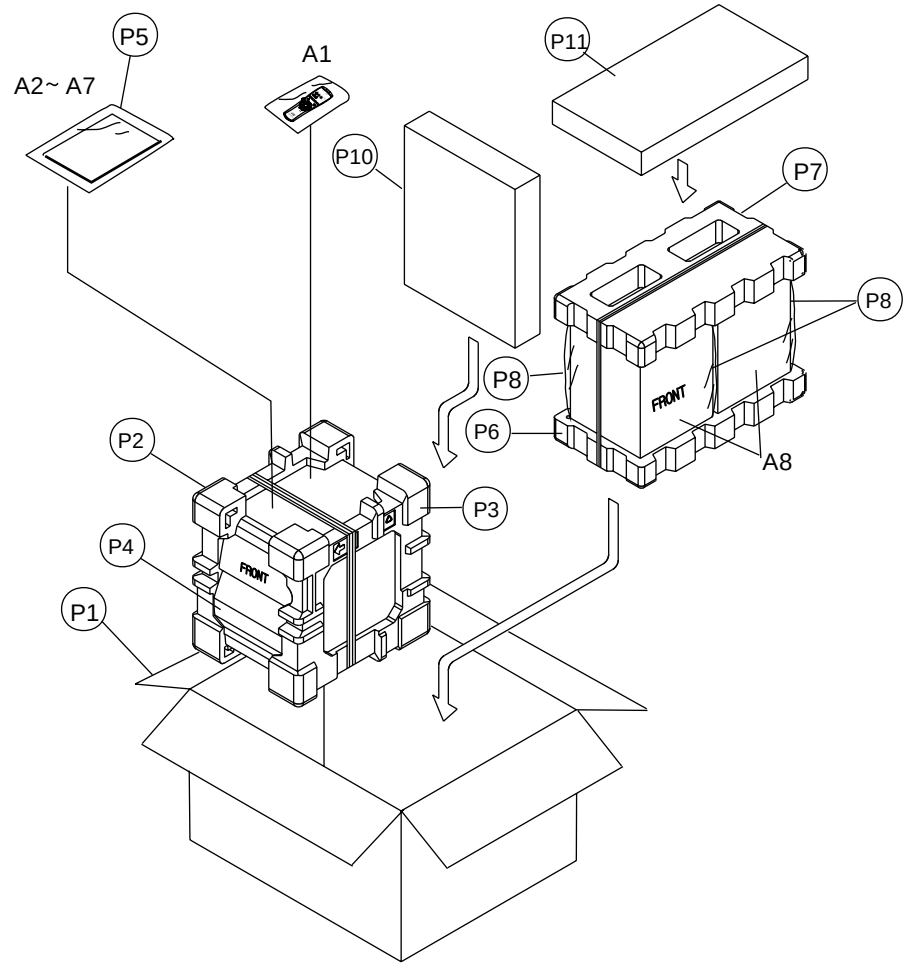
Packing materials and accessories parts list

Block No. M 5 M M
Block No. M 6 M M

Version:
B.E.EN.EV



Version:
EE



■ Parts list(Packing)

Block No. M5MM

⚠	Item	Parts number	Parts name	Q'ty	Description	Area
	P 1	AH69-00164A	CARTON	1		E B EN
		AH69-00164A	CARTON	1		EV
		AH69-00180C	MASTER CARTON	1		EE
	P 2	AH69-00152A	CUSHION-L	1		
	P 3	AH69-00153A	CUSHION-R	1		
	P 4	AH69-30012T	POLY BAG	1	SET	
	P 5	QPA02503503P	POLY BAG	1	INSTRUCTIONS	
	P 6	AH81-00243M	CUSHION-BOTTOM	1	SPEAKER	
	P 7	AH81-00243L	CUSHION-TOP	1	SPEAKER	
	P 8	AH81-00243P	POLY BAG	2	SPEAKER	
	P 9	AH81-00243N	CARTON	1	SPEAKER	E B EN EV
	P 10	AH69-00185A	PACKING PAD	1		EE
	P 11	AH69-00185B	PACKING PAD	1		EE

■ Parts list(Accessories)

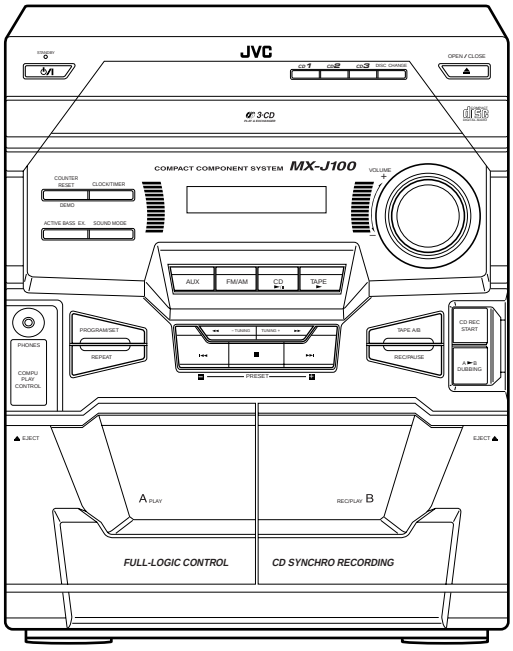
Block No. M6MM

⚠	Item	Parts number	Parts name	Q'ty	Description	Area
	A 1	AH59-00044B	REMOTE-CONTROL	1	22KEY	
	A 2	AH68-00337D	INSTRUCTIONS	1	ENG	B
		AH68-00337E	INSTRUCTIONS	1	ENG GER FRE DUT SPA ITA	E
		AH68-00337F	INSTRUCTIONS	1	SWE FIN DAN GER FRE DUT	EN
		AH68-00337G	INSTRUCTIONS	1	CZE ENG HUN POL	EV
		AH68-00337K	INSTRUCTIONS	1	RUS	EE
		AH81-00243S	INSTRUCTIONS	1	(FOR SPEAKER)	B E EN EV
			INSTRUCTIONS	1	ENG FRE GER ITA	
			INSTRUCTIONS	1	DUT SPA DAN FIN	
			INSTRUCTIONS	1	HUN CZE POL SWE	
	A 3	AH68-00415D	GUARANTEE CARD	1		B E EN
	A 4	BT-54008-2	WARRANTY CARD	1	SPEACIAL BUYER OF E	E
		BT-54012-1	WARRANTY CARD	1		EV EE
	A 5	QAL0014-001	LOOP ANTENNA	1	AM	
	A 6	EWP503-001	ANTENNA WIRE	1	FM	
	A 7		BATTERY	2		
	A 8	MXJ100K-SPBOX	SPEAKER BOX	2		

JVC

COMPACT COMPONENT SYSTEM
KOMPAKT-KOMPONENTEN-SYSTEM
SYSTEME DE COMPOSANTS COMPACT
KOMPACTO KOMPONENTEN-SYSTEEM
SISTEMAS DE COMPONENTES COMPACTOS
IMPIANTO A COMPONENTI COMPATTO

CA-MXJ100



COMPACT disc DIGITAL AUDIO

INSTRUCTIONS
BEDIENUNGSANLEITUNG
MANUEL D'INSTRUCTIONS
GEBRUIKSAANWIJZING
MANUAL DE INSTRUCCIONES
ISTRUZIONI

For Customer Use:
Enter below the Model No. and Serial No. which are located either on the rear, bottom or side of the cabinet. Retain this information for future reference.

Model No. _____

Serial No. _____

LVT0472-005B
[E]

IMPORTANT for the U.K.

DO NOT cut off the mains plug from this equipment. If the plug fitted is not suitable for the power points in your home or the cable is too short to reach a power point, then obtain an appropriate safety approved extension lead or consult your dealer.

BE SURE to replace the fuse only with an identical approved type, as originally fitted.

If nonetheless the mains plug is cut off ensure to remove the fuse and dispose of the plug immediately, to avoid a possible shock hazard by inadvertent connection to the mains supply.

If this product is not supplied fitted with a mains plug then follow the instructions given below:

IMPORTANT:

DO NOT make any connection to the terminal which is marked with the letter E or by the safety earth symbol or coloured green or green-and-yellow.

The wires in the mains lead on this product are coloured in accordance with the following code:

Blue : Neutral
Brown : Live

As these colours may not correspond with the coloured markings identifying the terminals in your plug proceed as follows:

The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black.

The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red.

IF IN DOUBT - CONSULT A COMPETENT ELECTRICIAN.

Per l'Italia:
"Si dichiara che il questo prodotto di marca JVC è conforme alle prescrizioni del Decreto Ministeriale n.548 del 28/08/95 pubblicato sulla Gazzetta Ufficiale della Repubblica Italiana n.301 del 28/12/95."

CAUTION
To reduce the risk of electrical shocks, fire, etc.:
1. Do not remove screws, covers or cabinet.
2. Do not expose this appliance to rain or moisture.

ACHTUNG
Zur Verhinderung von elektrischen Schlägen, Brandgefahr, usw:
1. Keine Schrauben lösen oder Abdeckungen enlfernen und das Gehäuse nicht öffnen.
2. Dieses Gerät weder Regen noch Feuchtigkeit aussetzen.

ATTENTION
Afin d'éviter tout risque d'électrocution, d'incendie, etc.:
1. Ne pas enlever les vis ni les panneaux et ne pas ouvrir le coffret de l'appareil.
2. Ne pas exposer l'appareil à la pluie ni à l'humidité.

VOORZICHTIG
Ter vermindering van gevaar voor brand, elektrische schokken, enz.:
1. Verwijder geen schroeven, panelen of de behuizing.
2. Stel het toestel niet bloot aan regen of vocht.

PRECAUCIÓN
Para reducir riesgos de choques eléctricos, incendio, etc.:
1. No extraiga los tornillos, los cubiertas ni la caja.
2. No exponga este aparato a la lluvia o a la humedad.

ATTENZIONE
Per ridurre il rischio di shock elettrici, incendi, ecc...
1. Non togliete viti, coperchi o la scatola.
2. Non esponete l'apparecchio alla piogggia e all'umidità.

Caution –– ⏻/I switch!
Disconnect the mains plug to shut the power off completely. The ⏻/I switch in any position does not disconnect the mains line. The power can be remote controlled.

Achtung –– ⏻/I-Schalter!
Den Netzstecker aus der Steckdose ziehen, um die Stromversorgung vollkommen zu unterbrechen. Der Schalter ⏻/I unterbrichet in keiner Stellung die Stromversorgung vollkommen. Die Stromversorgung kann mit der Fernbedienung ein- und ausgeschaltet werden.

Attention –– Commutateur ⏻/I!
Déconnecter la fiche de secteur pour couper complètement le courant. Le commutateur ⏻/I ne coupe jamais complètement la ligne de secteur, quelle que soit sa position. Le courant peut être télécommandé.

Voorzichtig –– ⏻/I schakelaar!
Om de stroomtoevoer geheel uit te schakelen, trekt u de stekker uit het stopkontakt. Anders zal er altijd een geringe hoeveelheid stroom naar het apparaat lopen, ongeacht de stand van de ⏻/I schakelaar. U kunt het apparaat ook met de afstandsbediening aan- en uitschakelen.

Precaución –– Interruptor ⏻/I!
Desconectar el cable de alimentación para desactivar la alimentación totalmente. Cualquier que sea la posición de ajuste del interruptor ⏻/I, la alimentación no es cortada completamente. La alimentación puede ser controlada remotamente.

Attenzione –– L'interruttore ⏻/I!
Disinserire la spina del cavo di alimentazione dalla presa della rete elettrica per staccare completamente l'alimentazione. L'interruttore ⏻/I in nessuna posizione stacca la linea di alimentazione elettrica principale. È possibile il controllo remoto dell'alimentazione.

Caution: Proper Ventilation
To avoid risk of electric shock and fire, and to prevent damage, locate the apparatus as follows:
1 Front:
No obstructions and open spacing.
2 Sides/ Top/ Back:
No obstructions should be placed in the areas shown by the dimensions below.
3 Bottom:
Place on the level surface. Maintain an adequate air path for ventilation by placing on a stand with a height of 10 cm or more.

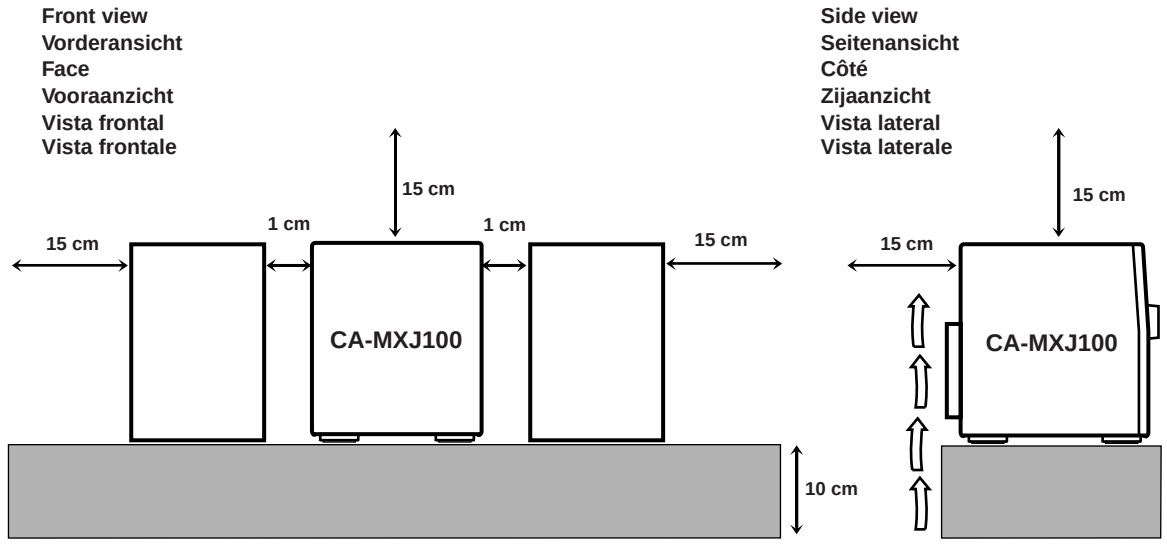
Voorzichtig: Goede ventilatie vereist
Om brand, elektrische schokken en beschadiging te voorkomen, moet u het toestel als volgt opstellen:
1 Voorkant:
Geen belemmeringen en voldoende ruimte.
2 Zijkanten/boven-/onderkant:
Geen belemmeringen plaatsen in de hieronder aangegeven zones.
3 Onderkant:
Op vlakke ondergrond plaatsen. Voldoende ventilatieruimte voorzien door het toestel op een onderstel met een hoogte van 10 cm of meer te plaatsen.

Achtung: Ausreichende Belüftung
Zur Vermeidung von elektrischen Schlägen, Feuer und sonstigen Schäden sollte das Gerät unter folgenden Bedingungen aufgestellt werden:
1 Vorderseite:
Hindernisfrei und gut zugänglich.
2 Seiten- und Rückwände:
Hindernisfrei in allen gegebenen Abständen (s. Abbildung).
3 Unterseite:
Die Stellfläche muß absolut eben sein. Sorgen Sie für ausreichende Luftzufuhr durch Aufstellung auf einem Stand mit mindestens 10 cm Höhe.

Precaución: ventilación correcta
Para evitar el riesgo de descargas eléctricas e incendio y prevenir posibles daños, instale el equipo en un lugar que cumpla los siguientes requisitos:
1 Parte frontal:
Sin obstrucciones, espacio abierto.
2 Lados/parte superior/parte posterior:
No debe haber ninguna obstrucción en las áreas mostradas por las dimensiones de la siguiente figura.
3 Parte inferior:
Sitúe el equipo sobre una superficie nivelada. Mantenga un espacio adecuado para permitir el paso del aire y una correcta ventilación, situando el equipo sobre un soporte de 10 o más cm de allura.

Attention: Aération correcte
Pour prévenir tout risque de décharge électrique ou d'incendie et éviter toute détérioration, installez l'appareil de la manière suivante:
1 Avant:
Bien dégagé de tout objet.
2 Côtés/dessus/dessous:
Assurez-vous que rien ne bloque les espaces indiqués sur le schéma ci-dessous.
3 Dessous:
Posez l'appareil sur une surface plane et horizontale. Veillez à ce que sa ventilation correcte puisse se faire en le plaçant sur un support d'au moins dix centimètres de hauteur.

Attenzione: Per una corretta ventilazione
Per prevenire il rischio di scosse elettriche e di incendio ed evitare possibili danni, collocare le apparecchiature nel modo seguente:
1 Parte anteriore:
Nessun ostacolo e spazio libero.
2 Lati/Parte superiore/Retro:
Lasciare libere le zone indicate dalle dimensioni di seguito.
3 Base:
Collocare su una superficie piana. Consentire un'adeguata ventilazione dell'impianto appoggiandolo su un tavolinetto alto almeno 10 cm.



IMPORTANT FOR LASER PRODUCTS / WICHTIGER HINWEIS FÜR LASER-PRODUKTE / IMPORTANT POUR LES PRODUITS LASER / BELANGRIJKE INFORMATIE VOOR LASERPRODUKTEN / IMPORTANTE PARA LOS PRODUCTOS LÁSER / IMPORTANTE PER I PRODOTTI LASER

REPRODUCTION OF LABELS/ANBRINGUNGSORTE FÜR LASER-PRODUKTE/REPRODUCTION DES ETIQUETTES/VERKLARING VAN DE LABELS/REPRODUCCIÓN DE ETIQUETAS/RIPRODUZIONE DELLE ETICHETTE

① CLASSIFICATION LABEL, PLACED ON REAR ENCLOSURE

① KLASSIFIKATIONSETIKETTE AN DER RÜCKSEITE

① ETIQUETTE DE CLASSIFICATION, PLACÉE A L'ARRIÈRE DU COFFRET

① KLASSIFIKATIELABEL, OP DE ACHTERZIJDE VAN HET APPARAAT

① ETIQUETA DE CLASIFICACIÓN, PEGADA EN LA PARTE POSTERIOR DE LA CAJA

① ETICHETTA DI CLASSIFICAZIONE, SITUATA SUL RIVESTIMENTO POSTERIORE

② WARNING LABEL, PLACED INSIDE THE UNIT

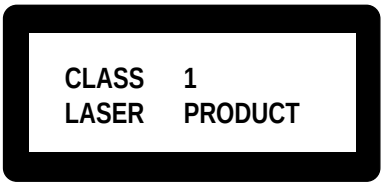
② WARNETIKETTE IM GERÄTEINNEREN

② ETIQUETTE D'AVERTISSEMENT PLACÉE À L'INTERIEUR DE L'APPAREIL

② WAARSCHUWINGSLABEL, IN HET APPARAAT

② ETIQUETA DE ADVERTENCIA, PEGADA EN EL INTERIOR DE LA UNIDAD

② ETICHETTA DI AVVERTENZA, SITUATA ALL'INTERNO DELL'APPARECCHIO



1. CLASS 1 LASER PRODUCT
2. **DANGER**: Invisible laser radiation when open and interlock failed or defeated. Avoid direct exposure to beam.
3. **CAUTION**: Do not open the top cover. There are no user serviceable parts inside the Unit; leave all servicing to qualified service personnel.

1. KLAS 1 LASERPRODUKT
2. **GEVAARLIJK**: Onzichtbare laserstraling wanneer open en de beveiliging faalt of uitgeschakeld is. Voorkom het direkt blootstaan aan de straal.
3. **VOORZICHTIG**: De bovenkap niet openen. Binnenin het toestel bevinden zich geen door de gebruiker te repareren onderdelen: laat onderhoud over aan bekwaam vakpersoneel.

1. LASER-PRODUKT DER KLASSE 1
2. **GEFAHR:** Unsichtbare Laserstrahlung bei Öffnung und fehlerhafter oder beschädigter Spre. Direkten Kontakt mit dem Strahl vermeiden!
3. **ACHTUNG:** Das Gehäuse nicht öffnen. Das Gerät enthält keinerlei Teile, die vom Benutzer gewartet werden können. Überlassen Sie Wartungsarbeiten bitte qualifizierten Kundendienst-Fachleuten.

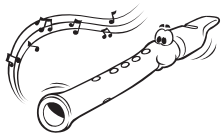
1. PRODUCTO LASER CLASE 1
2. **PELIGRO**: En el interior hay radiación láser invisible. Evite el contacto directo con el haz.
3. **PRECAUCIÓN**: No abra la tapa superior. En el interior de la unidad no existen piezas reparables por el usuario; deje todo servicio técnico en manos de personal calificado.

1. PRODUIT LASER CLASSE 1
2. **ATTENTION:** Radiation laser invisible quand l'appareil est ouvert ou que le verrouillage est en panne ou désactivé. Eviter une exposition directe au rayon.
3. **ATTENTION:** Ne pas ouvrir le couvercle du dessus. Il n'y a aucune pièce utilisable à l'intérieur. Laisser à un personnel qualifié le soin de réparer votre appareil.

1. PRODOTTO LASER CLASSE 1
2. **PERICOLO:** Radiazione laser invisibile quando l'apparecchio è aperto ed il dispositivo di sicurezza è guasto o disattivato. Evitare l'esposizione diretta ai raggi.
3. **ATTENZIONE:** Non aprire il coperchio superiore. Non vi sono parti adoperabili dall'utente all'interno di questo apparecchio; lasciare tutti i controlli a personale qualificato.

English

Introduction



We would like to thank you for purchasing one of our JVC products. Before operating this unit, read this manual carefully and thoroughly to obtain the best possible performance from your unit, and retain this manual for future reference.

About This Manual

This manual is organized as follows:

- **The manual mainly explains operations using the buttons and controls on the unit. You can also use the buttons on the remote control if they have the same or similar names (or marks) as those on the unit.**
  If operation using the remote control is different from that using the unit, it is then explained.
- Basic and common information that is the same for many functions is grouped in one place, and is not repeated in each procedure. For instance, we do not repeat the information about turning on/off the unit, setting the volume, changing the sound effects, and others, which are explained in the section “Common Operations” on pages 9 and 10.
- The following marks are used in this manual:

STOP! Gives you warnings and cautions to prevent from a damage or risk of fire/electric shock. Also gives you information which is not good for obtaining the best possible performance from the unit.

notes Gives you information and hints you had better know.

Precautions

Installation

- Install in a place which is level, dry and neither too hot nor too cold — between 5˚C (41˚F) and 35˚C (95˚F).
- Install the unit in a location with adequate ventilation to prevent internal heat built-up in the unit.
- Leave sufficient distance between the unit and the TV.
- Keep the speakers away from the TV to avoid interference with TV.

STOP! DO NOT install the unit in a location near heat sources, or in a place subject to direct sunlight, excessive dust or vibration.

Power sources

- When unplugging from the wall outlet, always pull the plug, not the AC power cord.

STOP! DO NOT handle the AC power cord with wet hands.

Moisture condensation

Moisture may condense on the lens inside the unit in the following cases:

- After starting heating in the room
- In a damp room
- If the unit is brought directly from a cold to a warm place

Should this occur, the unit may malfunction. In this case, leave the unit turned on for a few hours until the moisture evaporates, unplug the AC power cord, and then plug it in again.

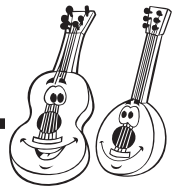
Others

- Should any metallic object or liquid fall into the unit, unplug the unit and consult your dealer before operating any further.
- If you are not going to operate the unit for an extended period of time, unplug the AC power cord from the wall outlet.

STOP! DO NOT disassemble the unit since there are no user serviceable parts inside.

If anything goes wrong, unplug the AC power cord and consult your dealer.

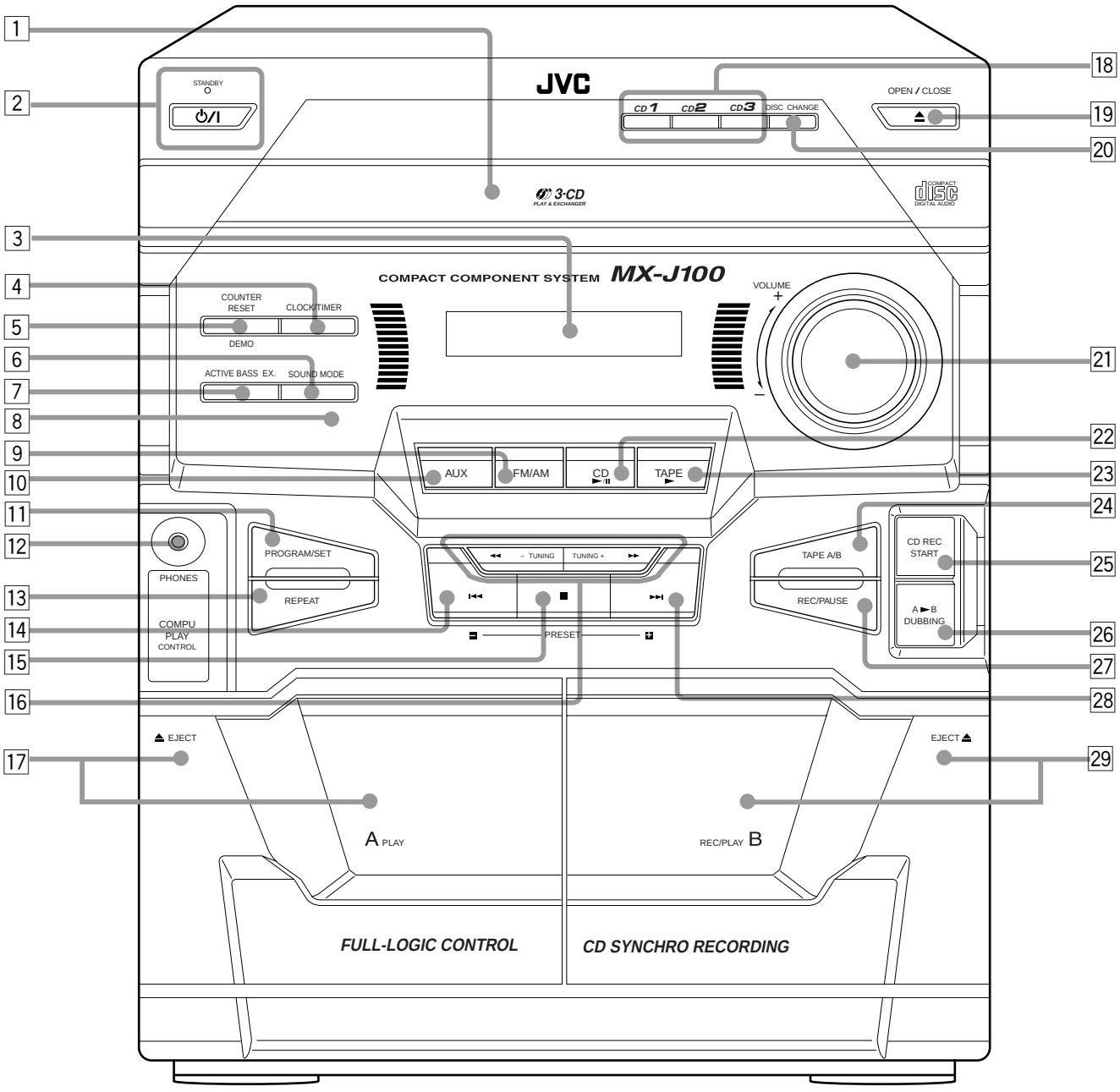
Contents



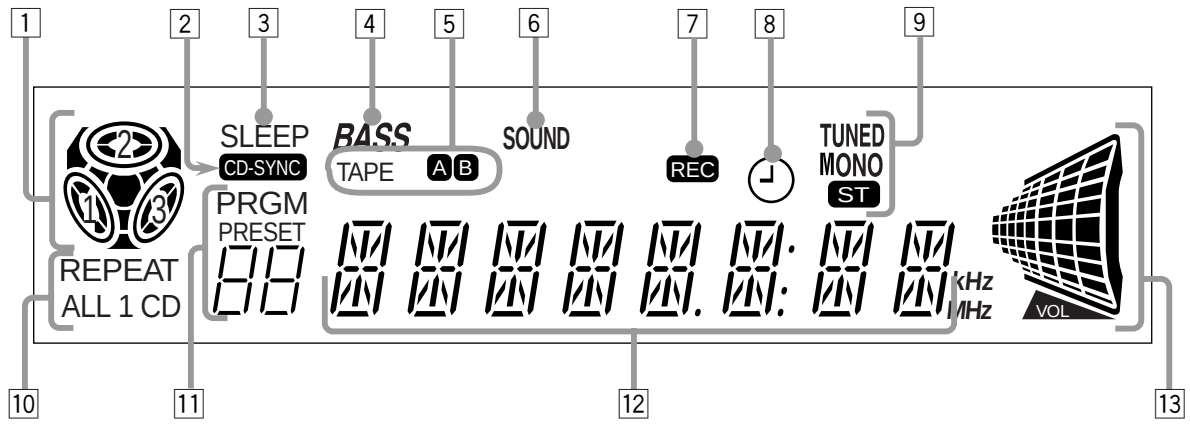
English

Location of the Buttons and Controls

Become familiar with the buttons and controls on your unit.



Display Window



See pages in the parentheses for details.

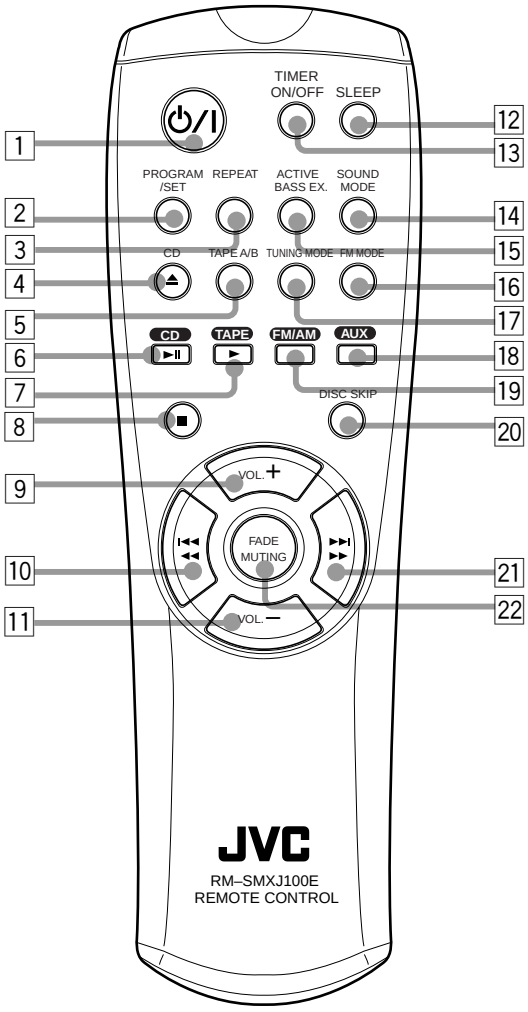
Front Panel

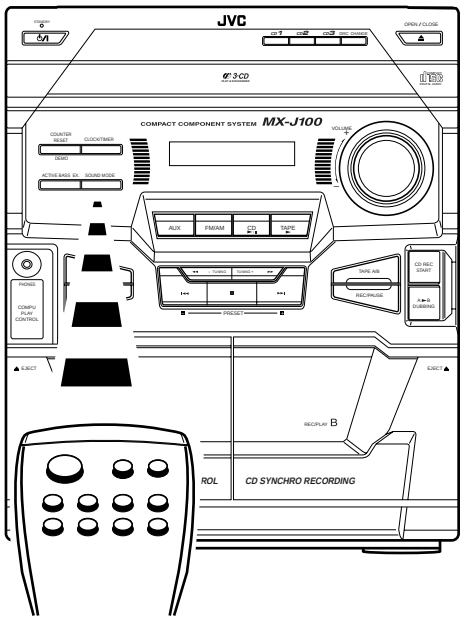
1 Carousel
2 ⏻/I (standby/on) button and STANDBY lamp (9)
3 Display window
4 CLOCK/TIMER button (9, 16)
5 COUNTER RESET button (15)
DEMO button (8)
6 SOUND MODE button (10)
7 ACTIVE BASS EX. (extension) button (10)
8 Remote sensor
9 FM/AM button (11)
Pressing this button also turns on the unit.
10 AUX button (9)
Pressing this button also turns on the unit.
11 PROGRAM/SET button (9, 13, 16)
12 PHONES jack (10)
13 REPEAT button (12)
14 PRESET – button (11)
I◄◄ (reverse search) button (9, 13, 16)
15 ■ (stop) button (12, 13, 15)
16 TUNING + / – buttons (11)
◄◄ / ►► (fast left/fast right) buttons (13, 14)
17 Deck A cassette holder (14)
• Pressing the ⏏ EJECT portion open the holder.
18 Disc number buttons (CD 1, CD 2, CD 3) (12)
Pressing one of these buttons also turns on the unit.
19 OPEN/CLOSE ⏏ button (12)
Pressing this button also turns on the unit.
20 DISC CHANGE button (12, 13)
21 VOLUME control (10)
22 CD ►/II (play/pause) button (12)
Pressing this button also turns on the unit.
23 TAPE ► button (14)
Pressing this button also turns on the unit.
24 TAPE A/B button (14)
25 CD REC START button (15)
26 A ► B DUBBING button (15)
27 REC/PAUSE button (15)
28 PRESET + button (11)
►►I (forward search) button (9, 13, 16)
29 Deck B cassette holder (15)
• Pressing the EJECT ⏏ portion open the holder.

Display window

1 Disc indicators
2 CD-SYNC indicator
3 SLEEP indicator
4 BASS indicator
5 Tape operation indicators
• TAPE A/B (operating deck) indicators
6 SOUND indicator
7 REC indicator
8 ◴ (timer) indicator
9 Tuner operation indicators
• TUNED, MONO and ST (stereo) indicators
10 CD play mode indicators
• REPEAT and (ALL/1/CD) indicators
11 PRESET and PRGM (program) number indicators
12 Main display
• Shows the source name, frequency, etc.
13 Volume level indicators

Remote Control





When using the remote control, point it at the remote sensor on the front panel.

Remote Control

1 ⏻/I (standby/on) button (9)
2 PROGRAM/SET button (9)
3 REPEAT button (12)
4 CD ⏏ button (12)
Pressing this button also turns on the unit.
5 TAPE A/ B button (14)
6 CD ►II button (12)
Pressing this button also turns on the unit.
7 TAPE ► button (14, 15)
Pressing this button also turns on the unit.
8 ■ (stop) button (12, 13, 15)
9 VOL. + button (10)
10 I◄◄ / ◄◄ (reverse search/fast rewind) button (11, 13, 14)
11 VOL. – button (10)
12 SLEEP button (18)
13 TIMER ON/OFF button (18)
14 SOUND MODE button (10)
15 ACTIVE BASS EX. (extension) button (10)
16 FM MODE button (11)
17 TUNING MODE button (11)
18 AUX button (9)
Pressing this button also turns on the unit.
19 FM/AM button (11)
Pressing this button also turns on the unit.
20 DISC SKIP button (12)
21 ►►I / ►► (forward search/fast forward) button (11, 13, 14)
22 FADE MUTING button (10)

Getting Started

Continued

Unpacking

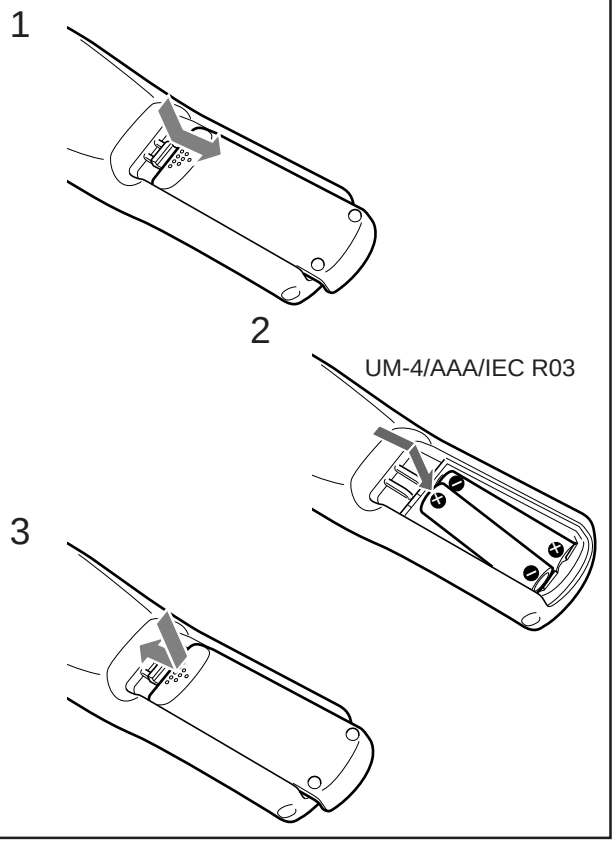
After unpacking, check to be sure that you have all the following items.
The number in the parentheses indicates the quantity of the pieces supplied.

- AM (MW/LW) loop antenna (1)
- FM antenna (1)
- Remote control (1)
- Batteries (2)

If any is missing, consult your dealer immediately.

Putting the Batteries into the Remote Control

Insert the batteries — UM-4/AAA/IEC R03 — into the remote control, by matching the polarity (+ and –) on the batteries with the + and – markings on the battery compartment.
When the remote control can no longer operate the unit, replace both batteries at the same time.

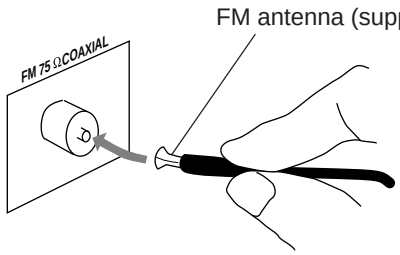


STOP!

- DO NOT use an old battery together with a new one.
- DO NOT use different types of batteries together.
- DO NOT expose batteries to heat or flame.
- DO NOT leave the batteries in the battery compartment when you are not going to use the remote control for an extended period of time. Otherwise, it will be damaged from battery leakage.

Connecting Antennas

FM antenna



1 **Attach the FM antenna to the FM 75 Ω COAXIAL terminal.**

2 **Extend the FM antenna.**

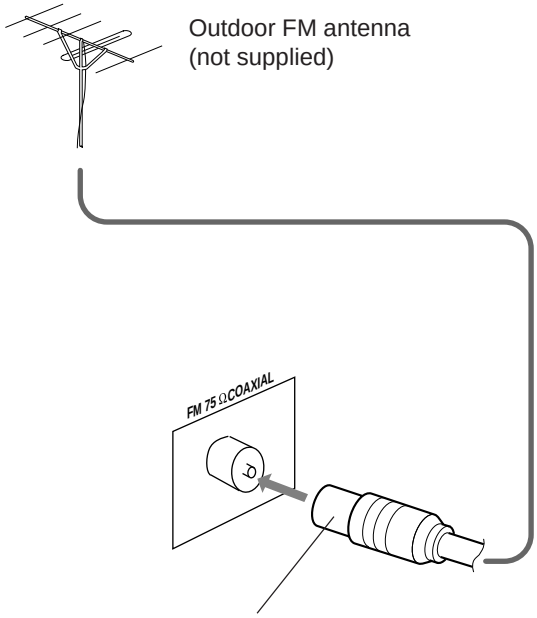
3 **Fasten it up in the position which gives you the best reception, then fix it on the wall, etc.**

notes **About the supplied FM antenna**

The FM antenna supplied with this unit can be used as temporary measure. If reception is poor, you can connect an outdoor FM antenna.

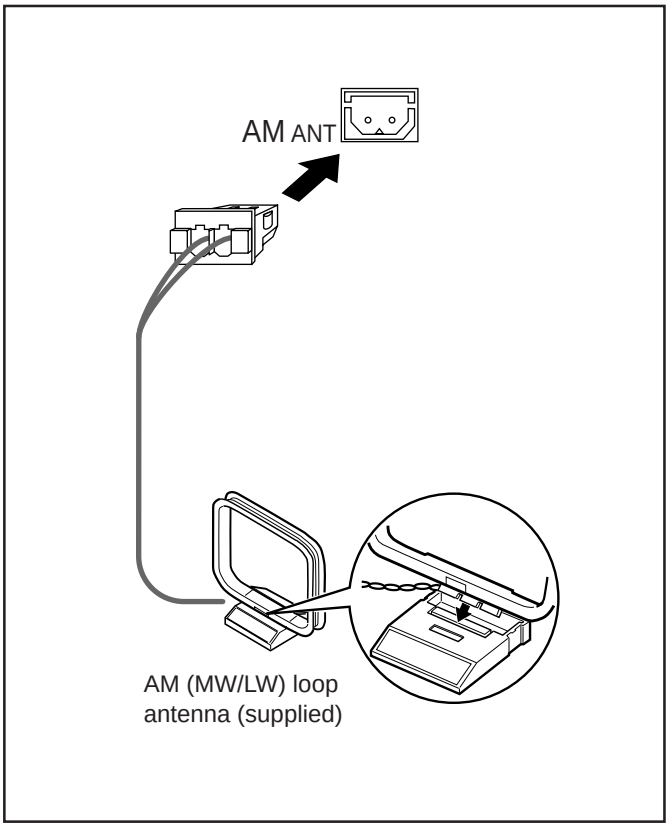
To connect an outdoor FM antenna

Before connecting it, disconnect the supplied FM antenna.



A 75 Ω antenna with coaxial type connector (DIN 45325) should be used.

AM (MW/LW) antenna



1 **Connect the AM (MW/LW) loop antenna to the AM ANT terminal as illustrated.**

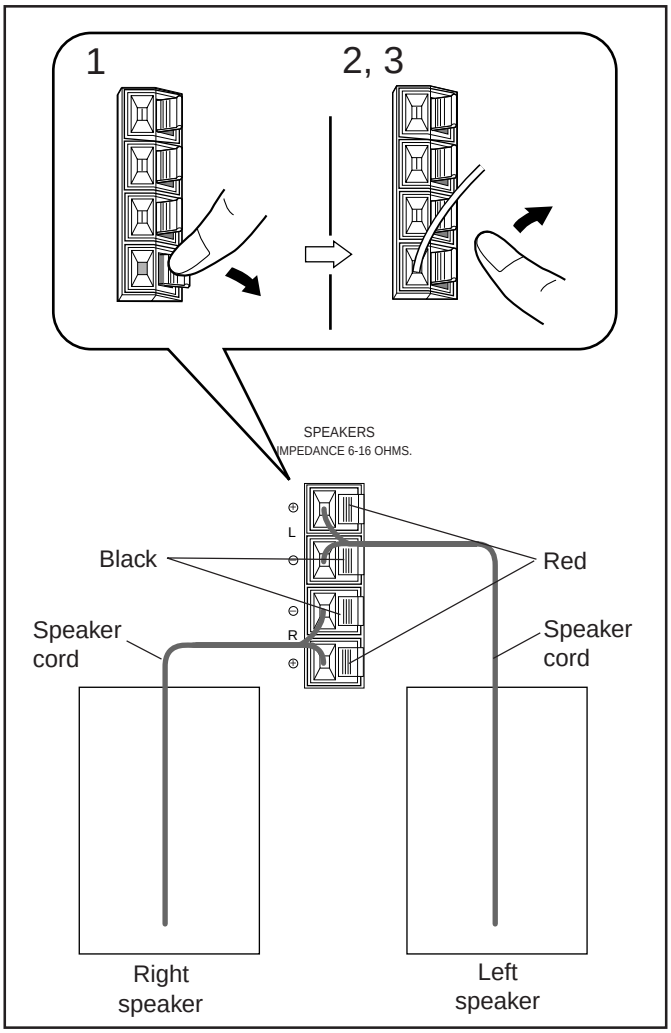
2 **Turn the AM (MW/LW) loop antenna until you have the best reception.**

For better reception of both FM and AM (MW/LW)

- Make sure the antenna conductors do not touch any other terminals and connecting cords.
- Keep the antennas away from metallic parts of the unit, connecting cords, and the AC power cord.

Connecting Speakers

You can connect a pair of the front speakers.



1 **Press and hold the clamp of the speaker terminal on the rear of the unit.**

2 **Insert the end of the speaker cord into the terminal.**
Match the polarity of the speaker terminals: Red (+) to red (+) and black (–) to black (–).

3 **Release the finger from the clamp.**

IMPORTANT: Use only speakers with the same speaker impedance as indicated by the speaker terminals on the rear of the unit.

Connecting Other Equipment

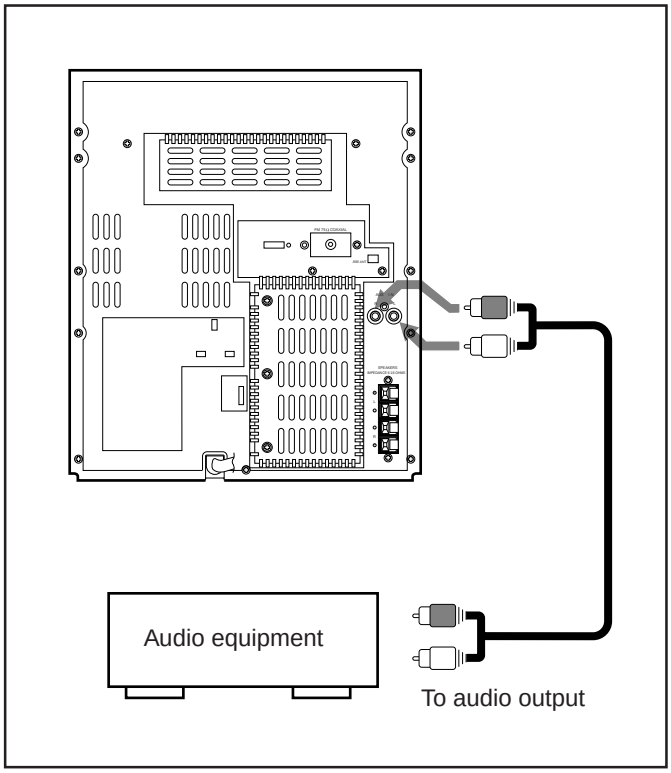
You can connect an audio equipment — used only as a playback device.
When you connect and use this equipment, refer also to its manual.

Be sure that the plugs of the audio cords are color coded: White plugs and jacks are for left audio signals, and red ones for right audio signals.

STOP!

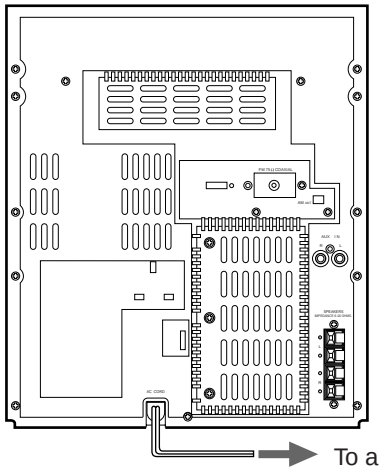
- DO NOT connect any equipment while the power is on.
- DO NOT plug in any equipment until all connections are complete.

To connect audio equipment



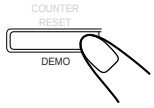
Connect the audio output jacks on the other equipment and the AUX IN jacks on the rear, using an audio cord (not supplied).

NOW, you can plug in the unit and other connected equipment FINALLY!



To start the display demonstration

Press DEMO while the unit is turned off (on stand by).



To stop the display demonstration, press any button.

English

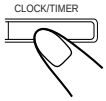
Common Operations

Setting the Clock

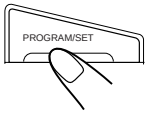
Before operating the unit any further, first set the clock built in this unit.

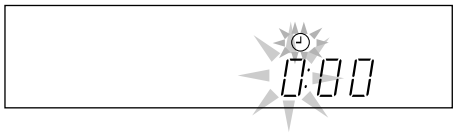
- There is a time limit in doing the following steps. If the setting is canceled before you finish, start from step 1 again.
- If you want to stop clock setting, press CLOCK/TIMER once or wait until the time limit of 15 seconds comes.

1 Press CLOCK/TIMER twice.
The "CLOCK" appears on the display.

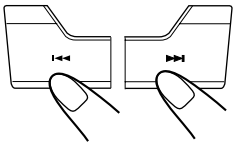


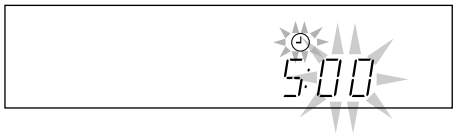
2 Press PROGRAM/SET.
The hour digits start flashing on the display.

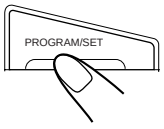




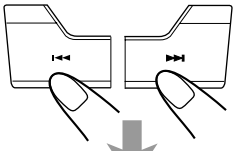
3 Press ⏮ or ⏭ to adjust the hour, then press PROGRAM/SET.
After hour digits are set, the minute digits start flashing on the display.

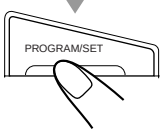




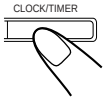


4 Press ⏮ or ⏭ to adjust the minute, then press PROGRAM/SET.



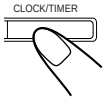


5 Press CLOCK/TIMER twice to finish the clock setting.



To check the clock time

Press CLOCK/TIMER while playing any source. The clock time appears on the display for a while.



To adjust the clock again

If you have adjusted the clock before, you need to press CLOCK/TIMER until the "CLOCK" is selected.

- Each time you press the button, the clock/timer setting modes change as follows:

Clock time → CLOCK → ⏲TIMER → ⏲REC →

notes

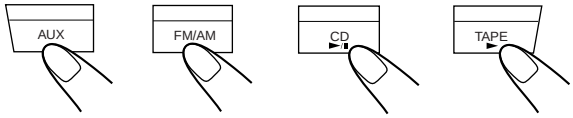
If there is a power failure

The clock loses the setting and is reset to "0:00." You need to set the clock again.

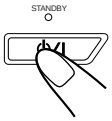
Turning On the Power and Selecting the Sources

When you press the play button for a particular source (AUX, FM/AM, CD ►/II, and TAPE ►), the unit turns on (and the unit starts playing the source if it is ready — COMPU PLAY CONTROL).

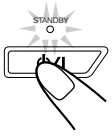
To listen to the FM, MW, or LW broadcasts, press FM/AM. (See page 11.)
To play back CDs, press CD ►/II. (See pages 12 and 13.)
To play back tapes, press TAPE ►. (See page 14.)
To select the external equipment as the source, press AUX.

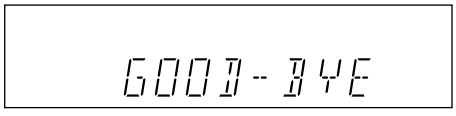


To turn on the unit without playing, press ⏻/I (standby/on) so that the STANDBY lamp goes off.



To turn off the unit (on standby), press ⏻/I (standby/on) again so that the STANDBY lamp lights up.





A little power is always consumed even while the unit is on standby.
To switch off the power supply completely, unplug the AC power cord from the AC outlet.

notes

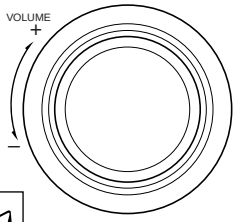
When you unplug the AC power cord or if a power failure occurs

The clock is reset to "0:00" right away, while the tuner preset stations (see page 11) will be erased in a few days.

Adjusting the Volume

You can adjust the volume level only while the unit is turned on.

Turn VOLUME clockwise to increase the volume or counterclockwise to decrease it.



When using the remote control, press VOL. + to increase the volume or press VOL. – to decrease it.

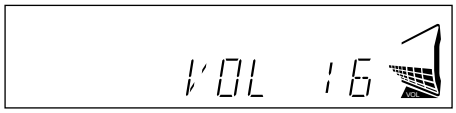
For private listening

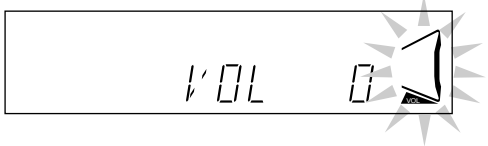
Connect a pair of headphones to the PHONES jack. No sound comes out of the speakers. Be sure to turn down the volume before connecting or putting on headphones on the unit.

> **DO NOT turn off (on standby) the unit with the volume set to an extremely high level; otherwise, a sudden blast of sound can damage your hearing, speakers and/or headphones when you turn on the unit or start playing any source next time. REMEMBER you cannot adjust the volume level while the unit is on standby.**

To turn down the volume level temporarily

Press FADE MUTING on the remote control.



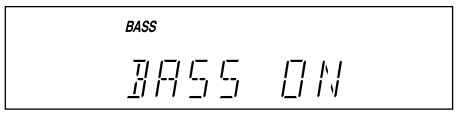


To restore the sound, press the button again.

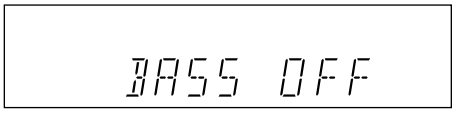
Reinforcing the Bass Sound

The richness and fullness of the bass sound is maintained regardless of how low you set the volume.
You can use this effect only for playback.

To get the effect, press ACTIVE BASS EX. so that the BASS indicator appears on the display.



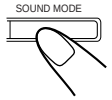
To cancel the effect, press the button again so that the indicator also goes off.

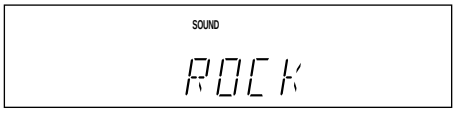


Selecting the Sound Modes

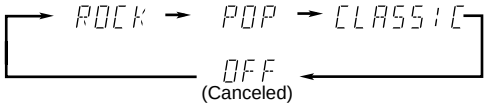
You can select one of the 3 preset sound modes (3 SEA – Sound Effect Amplifier – modes). The sound modes can be applied only to playback sounds, and cannot be used for recording.

To select the sound modes, press SOUND MODE until the sound mode you want appears on the display. The SOUND indicator also lights up on the display.





- Each time you press the button, the sound modes change as follows:



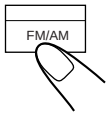
SEA modes:

ROCK: Boosts low and high frequency. Good for acoustic music.
POP: Good for vocal music.
CLASSIC: Good for classical music.
OFF: Cancels the sound mode.

Listening to FM and AM (MW/LW) Broadcasts

Tuning in a Station

1 Press FM/AM.



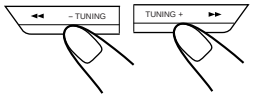
The unit automatically turns on and tunes in the previously tuned station (FM, MW, or LW).

- Each time you press the button, the band changes among FM, MW, and LW.

2 Select a station.

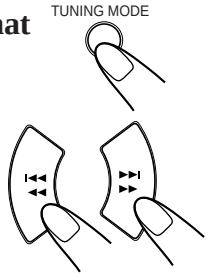
On the unit:

Press and hold TUNING – or TUNING + for more than 1 second.



On the remote control:

1) **Press TUNING MODE so that "MANUAL" appears on the display.**
2) **Press and hold |◄◄/◄◄ or ►►|/►► for more than 1 second.**



The unit starts searching for stations and stops when a station of sufficient signal strength is tuned in.
If a program is broadcast in stereo, the ST (stereo) indicator lights up.

To stop during searching, press TUNING – or TUNING + or (|◄◄/◄◄ or ►►|/►► on the remote control).

When you press TUNING – or TUNING + (|◄◄/◄◄ or ►►|/►► on the remote control) briefly and repeatedly

The frequency changes step by step.

To change the FM reception mode

When an FM stereo broadcast is hard to receive or noisy, press FM MODE on the remote control so that the MONO indicator lights up on the display. Reception improves.

To restore the stereo effect, press FM MODE again so that the MONO indicator goes off.
In this stereo mode, you can hear stereo sounds when a program is broadcast in stereo.
The FM reception mode is restored even when the unit is turned off.

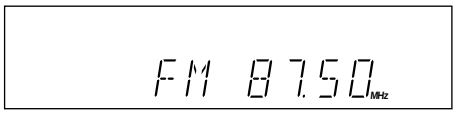
Presetting Stations

You can preset 30 FM, 8 MW, and 7 LW stations.
In some cases, test frequencies have been already memorized for the tuner since the factory examined the tuner preset function before shipment. This is not a malfunction. You can preset the stations you want into memory by following the presetting method.

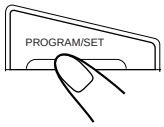
- There is a time limit in doing the following steps. If the setting is canceled before you finish, start from step 1 again.

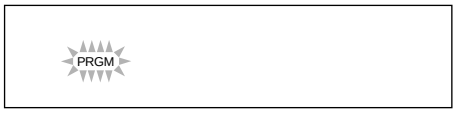
1 Tune in the station you want to preset.

- See "Tuning in a Station" to the left.



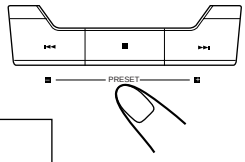
2 Press PROGRAM/SET.



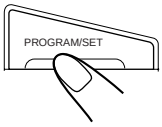


The PRGM flashes on the display.

3 Press PRESET – or + to select a preset number.



4 Press PROGRAM/SET again.



The tuned station in step 1 is stored in the preset number selected in step 3.

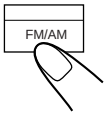
- Storing a new station on a used number erases the previously stored one.

When you unplug the AC power cord or if a power failure occurs

The preset stations will be erased in a few days. If this happens, preset the stations again.

Tuning in a Preset Station

1 Press FM/AM.



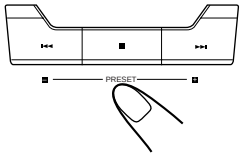
The unit automatically turns on and tunes in the previously tuned station (FM, MW, or LW).

- Each time you press the button, the band changes among FM, MW, and LW.

2 Select a preset number.

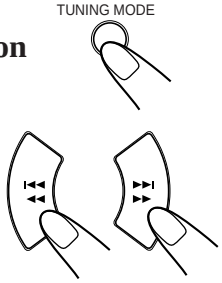
On the unit:

Press PRESET – or +.



On the remote control:

1) **Press TUNING MODE so that "PRESET" appears on the display.**
2) **Press |◄◄/◄◄ or ►►|/►►.**



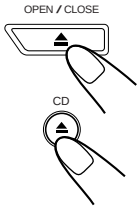
Playing Back CDs

Continued

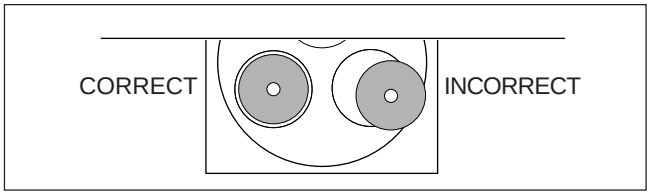
Loading CDs

1 Press OPEN/CLOSE ⏏ on the unit or CD ⏏ on the remote control.

The unit automatically turns on and the carousel comes out.



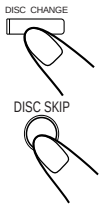
2 Place one or two discs correctly on the front slots of the carousel, with its label side up.



- When using a CD single (8 cm), place it on the inner circle of the disc tray.

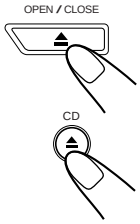
3 If you wish to load a third disc, press DISC CHANGE on the unit (or DISC SKIP on the remote control).

The carousel rotates by 120˚.



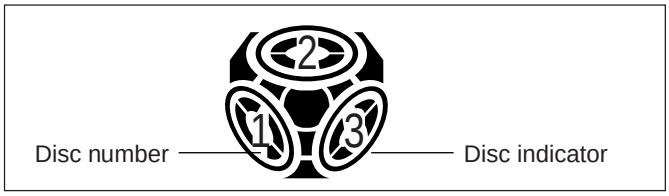
4 Press OPEN/CLOSE ⏏ or CD ⏏ on the remote control again.

The carousel closes, and the corresponding disc number indicator (disc 1 to disc 3) lights up on the display.



About the disc indicators

Each disc indicator corresponds to the disc tray of the same number.



- The disc indicator flashes while the corresponding CD is currently selected.
- The disc indicator goes off when the unit has detected that there is no CD on the corresponding disc tray.

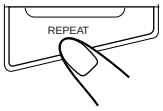
Playing Back CDs

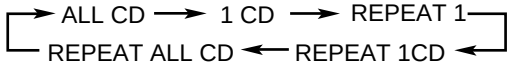
You can play CDs continuously.

1 Load CDs.

2 Press REPEAT on the unit (or REPEAT on the remote control) to select a play mode you want.

Each time you press the button, play modes change as follows:

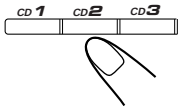




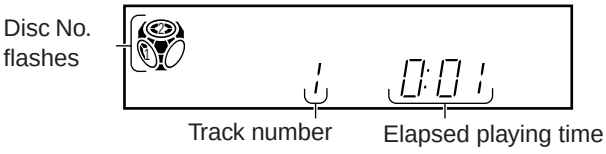
ALL CD: Plays all loaded CD. **(When you turned on the unit, "ALL CD" is automatically selected.)**
1CD: Plays back one CD.
REPEAT 1: Repeats one track on one CD.
REPEAT 1CD*: Repeats all the tracks on one CD.
REPEAT ALL CD: Repeats all the tracks on all the CDs , or all the tracks in the program.
*REPEAT 1CD is not used for Program play.

3 Select the disc you want to start play from.

<u>On the unit :</u>
Press one of the disc number buttons (CD 1, CD 2, and CD 3).
<u>On the remote control :</u>
Press DISC SKIP repeatedly.



CD play starts from the first track of the selected disc.

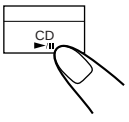


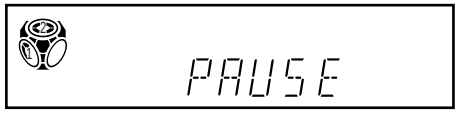
- Pressing CD ►/II instead of the disc number buttons starts playing back if a CD is on the trays.

To stop during play, press ■.

To stop play for a moment

Press CD ►/II.





"PAUSE" appears on the display.

To resume play, press CD ►/II again.

To remove the disc, press OPEN/CLOSE ⏏ or CD ⏏ on the remote control.

Basic CD Operations

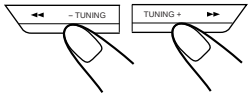
While playing a CD, you can do the following operations.

To exchange CDs during playback of another

Press DISC CHANGE to eject and exchange the CD.

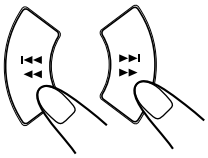
To locate a particular point in a track

During play, press and hold ◄◄ or ►►.



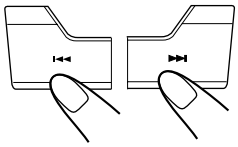
- ◄◄ : Fast reverses the disc.
- ►► : Fast forwards the disc.

When using the remote control, press and hold I◄◄ / ◄◄ or ►►I / ►►.



To go to another track

Press I◄◄ or ►►I repeatedly before or during playback.



- I◄◄: Goes back to the beginning of the current or previous tracks.
- ►►I: Skips to the beginning of the next or succeeding tracks.

When using the remote control, press I◄◄ / ◄◄ or ►►I / ►► before playing.

notes **If you press and hold I◄◄ / ►►I on the unit**

You can change the tracks continuously.

Programming the Playing Order of the Tracks — Program Play

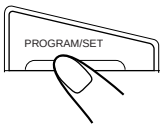
You can arrange the order in which the tracks play before you start playing. **You can program up to 24 tracks**.

- To repeat the program, select "REPEAT ALL CD" by pressing REPEAT repeatedly.

1 Load discs.

- If the current playing source is not the CD player, press CD ►/II, then ■ before going to the next step.

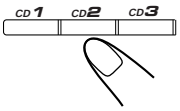
2 Press PROGRAM/SET.



3 Select the disc number.

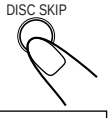
<u>On the unit:</u>

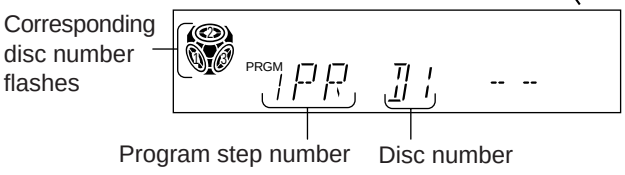
Press one of the disc number buttons (CD 1, CD 2, and CD 3).



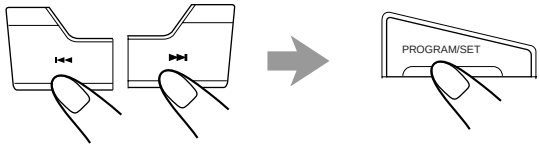
<u>On the remote control:</u>

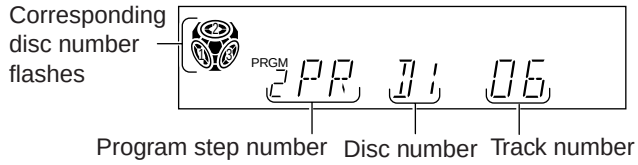
Press DISC SKIP repeatedly.





4 Press I◄◄ or ►►I (I◄◄ / ◄◄ or ►►I / ►► on the remote control) to select the track number, then press PROGRAM/SET.





5 Program other tracks you want.

- To program tracks from the same disc, repeat step 4.
- To program tracks from a different disc, repeat steps 3 and 4.

6 Press CD ►/II.

The tracks are played in the order you have programed.

To add more tracks into the program

Press PROGRAM/SET.

You can add the tracks into the program before or after play. If you have already programed all 24 tracks, you cannot add more. If you do, it will overwrite the 1st track and so on.

- You cannot erase or modify the programmed tracks.
- If you want to modify the program, erase all the program and start from the beginning.

To stop during play, press ■.

To erase the entire program before or after play, press ■.

- Ejecting the Carousel will also erase the program.

notes **If your entry is ignored**

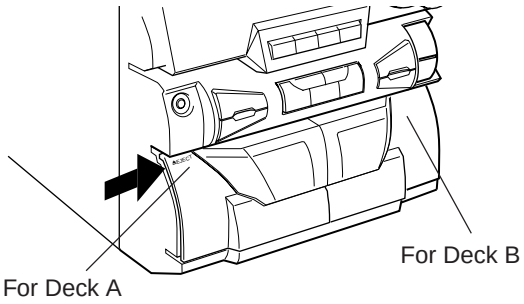
You have tried to program a track from an empty tray, or a track number that does not exist on the CD (for example, selecting track 14 on a CD that only has 12 tracks). Such entries are ignored.

Playing Back Tapes

English

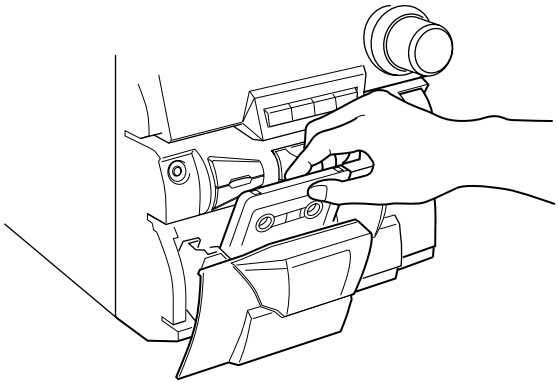
Playing Back a Tape

1 Press EJECT ⏏ for the deck you want to use.



2 Put a cassette in, with the exposed part of the tape down.

• You can play back only the type I tapes.

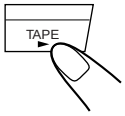


3 Close the cassette holder gently.

If you put cassettes in both decks A and B, the deck which you have put a cassette into last is selected.
To operate the other deck, press TAPE A/B.

4 Press TAPE ►.

The tape play starts.



When the tape plays to the end, the deck automatically stops .

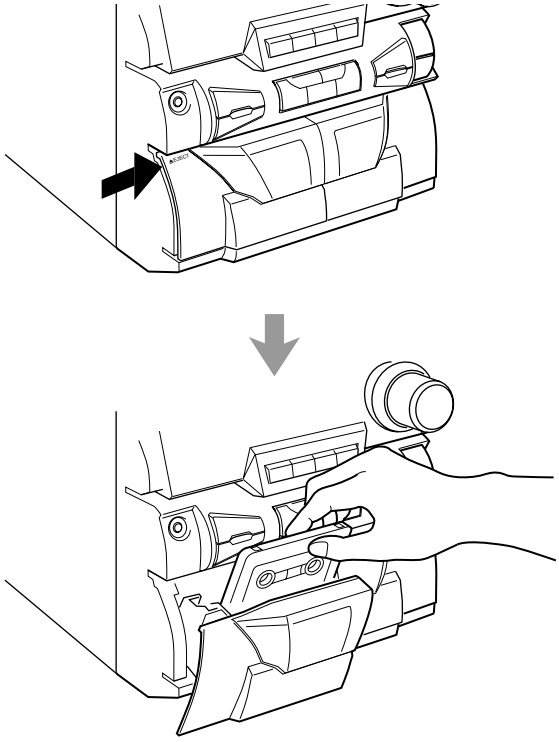
To stop during play, press ■.

To operate the other deck, press TAPE A/B, then TAPE ►.

To fast-forward the tape, press ►► (or ►►I / ►► on the remote control).

To rewind the tape, press ◄◄ (or I◄◄ / ◄◄ on the remote control).

To remove the cassette, press ⏏ EJECT for deck A or EJECT ⏏ for deck B.



STOP! The use of the C-120 or thinner tape is not recommended, since characteristic deterioration may occur and this tape easily jams in the pinch-rollers and the capstans.

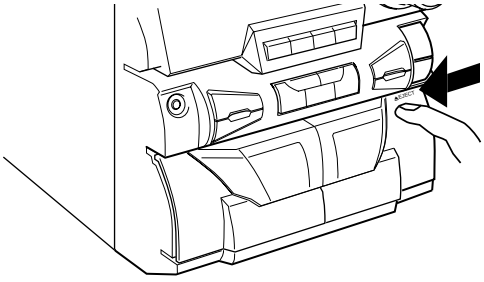
Recording

IMPORTANT:

- **It may be unlawful to record or play back copyrighted material without the consent of the copyrighted owner.**
- The recording level is automatically set correctly, so it is not affected by the VOLUME control. Thus, during recording you can adjust the sound you are actually listening to without affecting the recording level.
- While recording, you can hear tunes with sound modes and/or the active bass extension effect through the speakers or headphones. However, the sound is recorded without these effects (see page 10).
- If the sound recorded have excessive noise or static, the unit may be too close to a TV. Please separate the TV from the unit.
- You can use only type I tapes for recording.

Recording Tapes on Deck B

1 Press EJECT ▲ for the deck B.



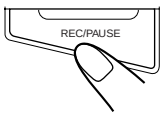
2 Put in a recordable cassette, with the exposed part of the tape down.

3 Close the cassette holder gently.

4 Start playing the source — FM, MW, LW, CD player, or auxiliary equipment connected to AUX jacks.

- When the source is CD, you can also use CD Direct Recording.

5 Press REC/PAUSE.
Start recording.
The REC indicator lights up on the display and recording starts.



To stop during recording, press ■.

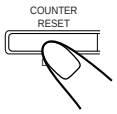
To stop recording temporarily, press REC/PAUSE on the unit. The REC indicator starts flashing on the display.
To resume recording, press REC/PAUSE again.

To remove the cassette, press EJECT ▲ for deck B.

Resetting the Tape Counter

If you wish to take a note on the counter value at the beginning of each track, reset the counter before starting a recording.

Press COUNTER RESET on the unit to reset the counter.

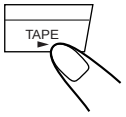


The counter reading becomes "0000."

- The counter reading also becomes "0000" when the unit is turned off (stands by).

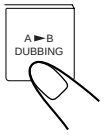
Dubbing Tapes

1 Press TAPE ►, then ■.



2 Put the source cassette in deck A, and a recordable cassette into deck B.

3 Press A ► B DUBBING.
Dubbing starts.
"DUBBING" and REC indicators light up on the display.



To stop during dubbing, press ■.

To remove the cassette, press ▲ EJECT for deck A and EJECT ▲ for deck B.

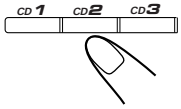
CD Direct Recording

Everything on the CD goes onto the tape in the order it is on the CD, or according to the order you have made for Program play.

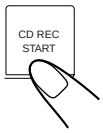
1 Put a recordable cassette into deck B.

2 Place a disc correctly on the circle of the disc tray, with its label side up.

3 Press one of the disc number buttons (CD 1 to CD 3) to select the disc, then ■.



4 Press CD REC START.
"SYNCHRO" appears, and the CD-SYNC, REC and 1CD indicator light up on the display.
Deck B starts recording and the CD player starts playing.
When the recording is done, the CD player and deck B stop.



To stop during CD Direct Recording, press ■.

To remove the cassette, press EJECT ▲ for deck B.

Using the Timers

Continued

There are three timers available — Recording Timer, Daily Timer, and Sleep Timer.

Before using the timers, you need to set the clock built in the unit. (See page 9.)

Using Daily Timer

With Daily Timer, you can wake to your favorite music or radio program.

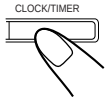
How Daily Timer actually works

The unit automatically turns on, set the volume level to the preset level, and starts playing the specified source when the on-time comes. Then, when the off-time comes, the unit automatically turns off (stands by).
The timer setting remains in memory until you change it.

- There is a time limit in doing the following steps. If the setting is canceled before you finish, start from step 1 again.
- If you have made a mistake while setting timer, press CLOCK/TIMER twice and start from step 1 again.

On the unit ONLY:

1 Press CLOCK/TIMER until "🕘 TIMER" appears on the display.

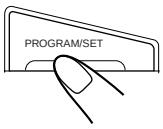


The 🕘 indicator also starts flashing on the display.

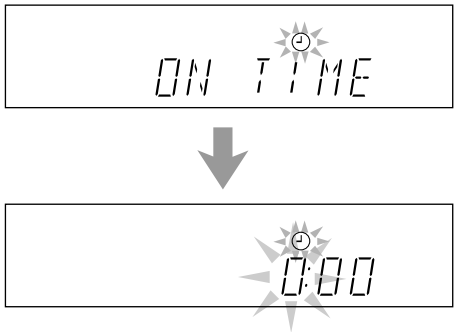
- Each time you press the button, the timer setting modes change as follows:

Clock time → CLOCK → 🕘TIMER → 🕘REC → Clock time

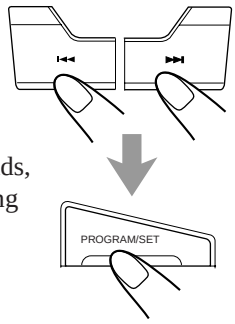
2 Press PROGRAM/SET.



"ON TIME" appears for 2 seconds, then the unit enters on-time setting mode.

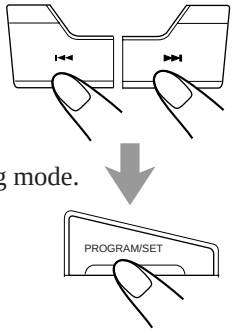


3 Set the on-time you want the unit to turn on.



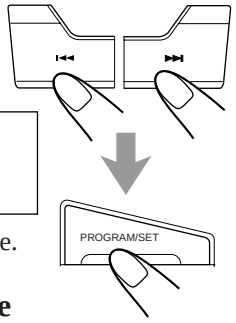
1) Press ⏮ or ⏭ to set the hour, then press PROGRAM/SET.
2) Press ⏮ or ⏭ to set the minute, then press PROGRAM/SET.
"OFF TIME" appears for 2 seconds, then the unit enters off-time setting mode.

4 Set the off-time you want the unit to turn off (on standby).



1) Press ⏮ or ⏭ to set the hour, then press PROGRAM/SET.
2) Press ⏮ or ⏭ to set the minute, then press PROGRAM/SET.
The unit enters the volume setting mode.

5 Set the volume level when the unit is turned on.



Press ⏮ or ⏭ to set the volume, then press PROGRAM/SET.

The unit enters source selecting mode.

6 Press ⏮ or ⏭ to select the source to play, then press PROGRAM/SET.

- Each time you press ⏮ or ⏭, the source changes as follows:

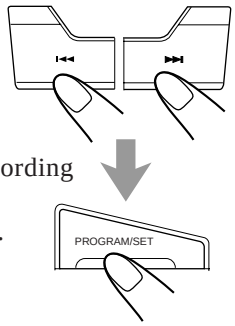
FM ⟷ MW ⟷ LW
TAPE ⟷ CD

FM: tunes into a specified preset FM station. → go to step 7.
MW: tunes into a specified preset MW station. → go to step 7.
LW: tunes into a specified preset LW station. → go to step 7.
CD: plays a disc from the first track. → go to step 8.
- Make sure there is a CD on the currently selected disc number tray.

TAPE: plays a tape in deck A or B. → go to step 8.
- Make sure that a tape is in the deck whose deck indicator (A or B) is lit on the display.
- Make sure that the tape direction is correct.

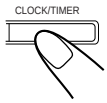
7 When selecting "FM," "MW," or "LW."

Press I◄◄ or ►►I to select the preset station number, then press PROGRAM/SET.
The unit enters recording timer setting mode.
If you want to continue the Recording Timer setting, go to step 3 of the Recording Timer setting procedure.



8 Press CLOCK/TIMER.

The 🕘 indicator stops flashing and remains lit.
If you have set the Daily Timer with the unit turned on, turn off the unit.



Using Recording Timer

With Recording Timer, you can make a tape of a radio broadcast automatically.

How Recording Timer actually works

The unit automatically turns on, tunes into the specified station, sets the volume level to the preset level and starts recording when the on-time comes. Then, when the off-time comes, the unit automatically turns off (stands by).
The timer setting remains in memory until you change it.

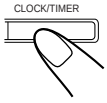
- There is a time limit in doing the following steps. If the setting is canceled before you finish, start from step 1 again.
- If you have made a mistake while setting the timer, press CLOCK/TIMER once and start from step 1 again.

On the unit ONLY:

1 Put a recordable cassette into deck B.

2 Press CLOCK/TIMER until "🕘 REC" appears on the display.

The 🕘 indicator also starts flashing on the display.

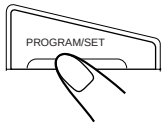


- Each time you press the button, the timer setting modes change as follows:

Clock time → CLOCK → 🕘TIMER → 🕘REC →

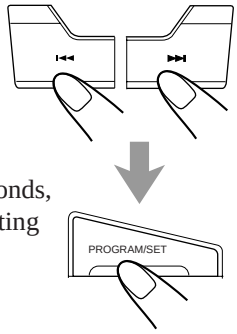
3 Press PROGRAM/SET.

"ON TIME" appears for 2 seconds, then the unit enters on-time setting mode.



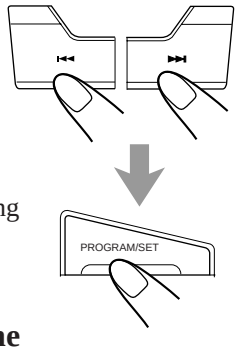
4 Set the on-time you want the unit to turn on.

1) Press I◄◄ or ►►I to set the hour, then press PROGRAM/SET.
2) Press I◄◄ or ►►I to set the minute, then press PROGRAM/SET.
"OFF TIME" appears for 2 seconds, then the unit enters off-time setting mode.



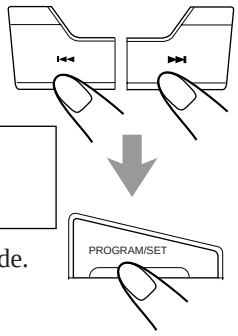
5 Set the off-time you want the unit to turn off (on standby).

1) Press I◄◄ or ►►I to set the hour, then press PROGRAM/SET.
2) Press I◄◄ or ►►I to set the minute, then press PROGRAM/SET.
The unit enters the volume setting mode.



6 Set the volume level when the unit is turned on.

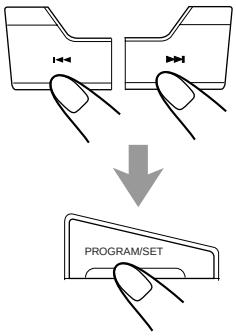
Press I◄◄ or ►►I to set the volume, then press PROGRAM/SET.



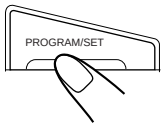
The unit enters source selecting mode.

7 Select the preset station.

1) Press I◄◄ or ►►I to select the band ("FM," "MW," or "LW"), then press PROGRAM/SET.
2) Press I◄◄ or ►►I to select a preset channel number.



8 Press PROGRAM/SET.



The ⏲ indicator stops flashing and remains lit.
If you have set the Recording Timer with the unit turned on, turn off the unit.
The REC indicator lights up when the unit is turned off (on standby).

To select Recording or Daily Timer after its setting has been done

Press TIMER ON/OFF on the remote control.

Each time you press the button, the timer mode changes as follows:

⏲TIMER → ⏲REC → ⏲TIM+REC → OFF →

⏲ TIMER: Select this when you want to use only the Daily Timer.
⏲ REC: Select this when you want to use only the Recording Timer.
⏲TIM+REC: Select this when you want to use both the Daily Timer and the Recording Timer.
OFF: Select this when you do not want to use the timer.

- **When the timer is set to OFF,** the ⏲ indicator and/or REC indicator goes off from the display.
  Even if the Recording or Daily Timer is canceled, but the setting condition for the Recording or Daily Timer remains in memory.
- **When any timer setting is activated,** the ⏲ indicator and/or REC indicator lights up again.

notes **If the unit is operating when the timer-on time comes**
Recording or Daily Timer does not work.

Using Sleep Timer

With Sleep Timer, you can fall asleep to music.
You can set Sleep Timer when the unit is operating.

How Sleep Timer actually works

The unit automatically turns off after the specified time length passes by.

On the remote control ONLY:

1 Press SLEEP.

The time length until the shut-off time appears and the SLEEP indicator lights up on the display.
- Each time you press the button, the time length changes as follows:

90 MIN → 60 MIN → 45 MIN → 30 MIN → 15 MIN → OFF (Canceled)

2 Wait for about 5 seconds after specifying the time length.

The SLEEP indicator remains lit.

To check the remaining time until the shut-off time, press SLEEP once so that the remaining time until the shut-off time appears for about 3 seconds.

To change the shut-off time, press SLEEP repeatedly until the desired time length appears on the display.

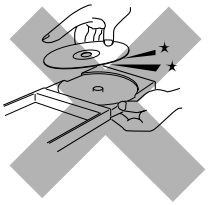
To cancel the setting, press SLEEP repeatedly so that the SLEEP indicator goes off.
- Sleep Timer is also canceled when you turn off the unit.

Maintenance

To get the best performance of the unit, keep your discs, tapes, and mechanism clean.

Handling discs

- Remove the disc from its case by holding it at the edge while pressing the center hole lightly.
- Do not touch the shiny surface of the disc, or bend the disc.
- Put the disc back in its case after use to prevent warping.

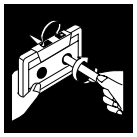


- Be careful not to scratch the surface of the disc when placing it back in its case.
- Avoid exposure to direct sunlight, temperature extremes, and moisture.

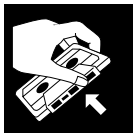
To clean the disc
Wipe the disc with a soft cloth in a straight line from center to edge.

DO NOT use any solvent — such as conventional record cleaner, spray, thinner, or benzine — to clean the disc.

Handling cassette tapes



- If the tape is loose in its cassette, take up the slack by inserting a pencil in one of the reels and rotating.
- If the tape is loose, it may get stretched, cut, or caught in the cassette.



- Be careful not to touch the tape surface.

- Avoid the following places to store the tape:
  — In dusty places
  — In direct sunlight or heat
  — In moist areas
  — Near a magnet

To protect your recording

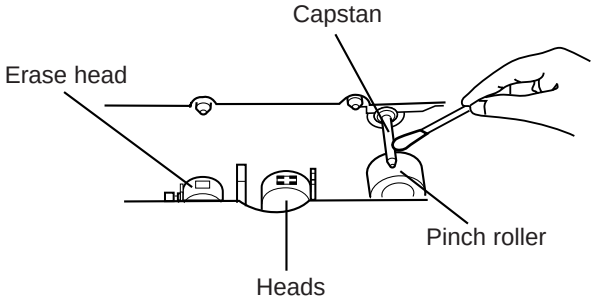
Cassettes have two small tabs on the back to protect unexpected erasure or re-recording.
To protect your recording, remove these tabs.
To re-record on a protected tape, cover the holes with adhesive tape.

Cassette decks

If the heads, capstans, and pinch rollers of the cassette decks become dirty, the following will occur:

- Impaired sound quality
- Discontinuous sound
- Fading
- Incomplete erasure
- Difficulty in recording

To clean the heads, capstans, and pinch rollers
Use a cotton swab moistened with alcohol.



To demagnetize the heads
Turn off the unit, and use a head demagnetizer (available at electronics and record shops).

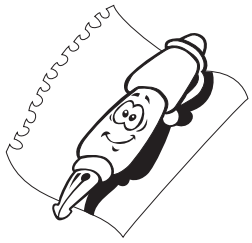
Troubleshooting

If you are having a problem with your unit, check this list for a possible solution before calling for service.
If you cannot solve the problem from the hints given here, or the unit has been physically damaged, call a qualified person, such as your dealer, for service.

Symptom	Cause	Action
No sound is heard.	Connections are incorrect or loose.	Check all connections and make corrections. (See pages 6 to 8.)
Hard to listen to broadcasts because of noise.	• Antennas are disconnected. • The AM (MW/LW) loop antenna is too close to the unit. • The FM antenna is not properly extended and positioned.	• Reconnect the antennas correctly and securely. • Change the position and direction of the AM (MW/LW) loop antenna. • Extend the FM antenna at the best position.
The disc sound is discontinuous.	The disc is scratched or dirty.	Clean or replace the disc. (See page 19.)
The disc tray does not open or close.	The AC power cord is not plugged in.	Plug the AC power cord.
The disc does not play.	The disc is placed upside down.	Place the disc with the label side up.
The cassette holders cannot be opened.	Power supply from the AC power cord has been cut off while the tape was running.	Turn on the unit.
Impossible to record.	Small tabs on the back of the cassette are removed.	Cover the holes with adhesive tape.
Operations are disabled.	The built-in microprocessor may malfunction due to external electrical interference.	Unplug the AC power cord and then plug it back in.
Unable to operate the unit from the remote control unit.	• The path between the remote control unit and the remote sensor on the unit is blocked. • The batteries are exhausted.	• Remove the obstruction. • Replace the batteries.

Specifications

Design and specifications are subject to change without notice.



Amplifier

Output Power:
30 W per channel, min. RMS, both channels driven into 6 Ω at 1 kHz with no more than 10% total harmonic distortion

Audio input sensitivity/Impedance (at 1 kHz)
AUX: 400 mV/50 kΩ

Speakers/Impedance: 6 Ω – 16 Ω

Tuner

FM tuning range: 87.50 MHz – 108.00 MHz
AM tuning range: MW: 522 kHz – 1,629 kHz
LW: 144 kHz – 288 kHz

CD player

CD Capacity: 3 CDs
Dynamic range: 85 dB
Signal-to-noise ratio: 90 dB
Wow and flutter: Immeasurable

Cassette deck

Frequency response
Normal (type I): 50 Hz — 14,000 Hz
Wow and flutter
0.15% (WRMS)

General

Power requirement: AC 230 V ∿, 50 Hz
Power consumption: 68 W (at operation)
13 W (on standby)
Dimensions (approx.): 270 mm x 317 mm x 380 mm (W/H/D)
(10 11/16 in. x 12 1/2 in. x 15 in.)
Mass (approx.): 6.9 kg (15.3 lbs)

Supplied accessories

See page 6.

JVC

VICTOR COMPANY OF JAPAN, LIMITED

JVC

INSTRUCTIONS

SPEAKER SYSTEM

SP-MXJ100

BEDIENUNGSANLEITUNG: LAUTSPRECHERSYSTEM
MANUEL D'INSTRUCTIONS: SYSTEME DES ENCEINTES
GEBRUIKSAANWIJZING: LUIDSPREKERSYSTEEM
MANUAL DE INSTRUCCIONES: SISTEMA DE ALTAVOCES
ISTRUZIONI: SISTEMA DI ALTOPARLANTI
BRUKSANVISNING: HÖGTALARSYSTEM

Thank you for purchasing JVC speakers.
Before you begin using them, please read the instructions carefully to be sure you get the best possible performance. If you have any questions, consult your JVC dealer.

Vielen Dank für den Kauf dieser JVC-Lautsprecher.
Lesen Sie bitte diese Bedienungsanleitung vor Ingebrauchnahme sorgfältig durch, um stets optimale Ergebnisse zu erzielen. Wenden Sie sich bei etwaigen Fragen bitte an Ihren JVC Händler.

Nous vous remercions pour l'achat de ces enceintes JVC.
Avant de les utiliser, lire ces instructions avec attention pour en obtenir les meilleures performances possibles. En cas de questions, consulter votre revendeur JVC.

Dank u voor de aanschaf van deze luidsprekers.
Lees alvorens over te gaan tot aansluiten, deze gebruiksaanwijzing door zodat u de best mogelijke prestaties zult verkrijgen. Neem kontakt op met de JVC dealer indien u vragen heeft.

Le estamos muy agradecidos por haber adquirido estos altavoces de JVC.
Antes de utilizarlos, sirvase leer las instrucciones detenidamente a fin de obtener el mejor rendimiento posible. Si tienenaluna pregunta, acuda a su agente de JVC.

Grazie per aver acquistato questi altoparlanti della JVC.
Prima di cominciare l'uso degli altoparlanti, leggete attentamente le istruzioni per assicurare le migliori prestazioni. Qualora sorgessero dei dubbi, rivolgetevi al vostro rivenditore JVC.

VEJLEDNING: HØJTTALERSYSTEM
KÄYTTÖOHJE: KAIUTINJÄRJESTELMÄ
INSTRUKCJA UŻYTKOWANIA: ZESTAW GŁOŚNIKOWY
HASZNÁLATI ÚTMUTATÓ: HANGSZÓRÓ RENDSZER
NÁVOD K OBSLUZE: REPRODUKTOROVÁ SOUSTAVA

Tack för ditt val av dessa JVC-högtalare.
Innan du kopplar in högtalarna i din ljudanläggning bör du för att få maximala prestanda från högtalarna läsa igenom bruksanvisningen noggrant. Kontakta din JVC-återförsäljare om du har frågor eller känner dig osäker.

Tak for købet af JVC-højttalerne.
Gennemlæs venligst vejledningen omhyggeligt før de tages i brug, så De kan opnå den bedst mulige ydelse. Forhør hos Deres JVC forhandler hvis De har nogen spørgsmål.

Kiitos siitä että päädyit valinnassasi JVC-kaiuttimiin.
Ennen kuin alat käyttää niitä, lue käyttöohje huolellisesti, jotta ne toimisivat parhaalla mahdollisella tavalla. Jos Sinulla on kysyttävää ota yhteys JVC-edustajaan.

Dziękujemy za wybranie zestawu głośnikowego firmy JVC.
Przed rozpoczęciem użytkowania zestawu głośnikowego prosimy o dokładne zapoznanie się z treścią niniejszej instrukcji użytkowania, aby uzyskać jak najlepszą pracę głośników. W przypadku jakichkolwiek zapytań, prosimy o skonsultowanie się z najbliższym dealerm firmy JVC.

Köszönjük, hogy a JVC hangszóró rendszerét választotta. Annak érdekében, hogy a hangszóró rendszer a legjobb teljesítményt nyújtsa Önnek, használat előtt kérjük figyelmesen olvassa el ezt a használati útmutatót. Ha bármilyen kérdése van, forduljon a legközelebbi JVC márkakereskedőhöz.

Děkujeme Vám, že jste si zakoupili reproduktory JVC.
Dříve než je začnete používat, přečtěte si prosím pečlivě návod k obsluze, abyste dosáhli co nejlepší možné funkce. Jestliže máte další otázky, spojte se s svým prodejcem JVC.

— SAFETY INSTRUCTIONS —
"SOME DOS AND DON'TS ON THE SAFE USE OF EQUIPMENT"

This equipment has been designed and manufactured to meet international safety standards but, like any electrical equipment, care must be taken if you are to obtain the best results and safety is to be assured.

Do read the operating instructions before you attempt to use the equipment.

Do ensure that all electrical connections (including the mains plug, extension leads and interconnections between pieces of equipment) are properly made and in accordance with the manufacturer's instructions. Switch off and withdraw the mains plug when making or changing connections.

Do consult your dealer if you are ever in doubt about the installation, operation or safety of your equipment.

Do be careful with glass panels or doors on equipment.

DON'T continue to operate the equipment if you are in any doubt about it working normally, or if it is damaged in any way — switch off, withdraw the mains plug and consult your dealer.

DON'T remove any fixed cover as this may expose dangerous voltages.

DON'T leave equipment switched on when it is unattended unless it is specifically stated that it is designed for unattended operation or has a standby mode.

Switch off using the switch on the equipment and make sure that your family know how to do this.

Special arrangements may need to be made for infirm of handicapped people.

DON'T use equipment such as personal stereos or radios so that you are distracted from the requirements of traffic safety. It is illegal to watch television whilst driving.

DON'T listen to headphones at high volume as such use can permanently damage your hearing.

DON'T obstruct the ventilation of the equipment, for example with curtains or soft furnishing.

Overheating will cause damage and shorten the life of the equipment.

DON'T use makeshift stands and NEVER fix legs with wood screws — to ensure complete safety always fit the manufacturer's approved stand or legs with the fixings provided according to the instructions.

DON'T allow electrical equipment to be exposed to rain or moisture.

ABOVE ALL

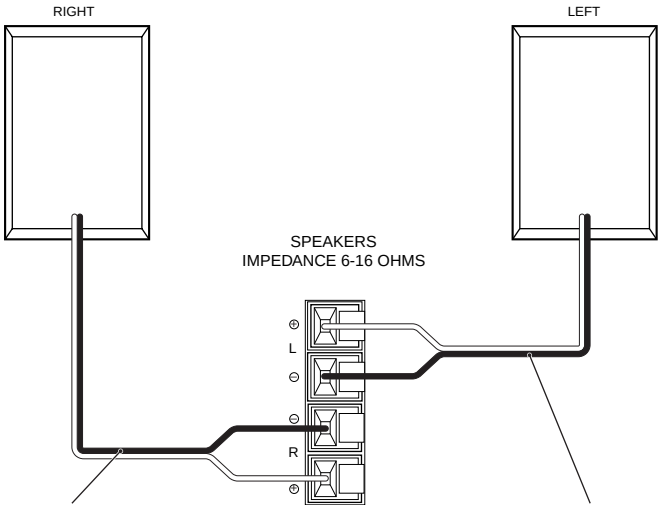
- NEVER let anyone, especially children, push anything into holes, slots or any other opening in the case.
- this could result in a fatal electrical shock;
- NEVER guess or take chances with electrical equipment of any kind
- it is better to be safe than sorry!

LVT0505-001A
[B. E. EN. EV]

Amplifier connection
Verstärkeranschluß
Raccordement à l'amplificateur
Aansulaiten op de versterker
Anslutning till en förstärkare
Conexión al amplificador
Collegamento dell'amplificatore
Forstærkertilslutning
Vahvistimen liitäntä
Połączenia ze wzmacniaczem
Erősítő csatlakoztatás
Zapojení zesilovače

Right speaker
Rechter Lautsprecher
Enceinte droite
Rechter luidspreker
Altavoz derecho
Altoparlante destro
Höger högtalare
Højre højttaler
Oikeanpuoleinen kaiutin
Prawa kolumna
Jobb hangszóró
Pravý reproduktor

Left speaker
Linker Lautsprecher
Enceinte gauche
Linker luidspreker
Altavoz izquierdo
altoparlante sinistro
Vänster högtalare
Venstr højttaler
Vasemmanpuoleinen kaiutin
Lewa kolumna
Bal hangszóró
Levý reproduktor



Black
Schwarz
Noir
Zwart
Negro
Nero
Svart
Sort
Musta
Czarny
Fekete
Černý

Amplifier output terminals
Ausgang des Verstärkers
Bornes de sortie de l'amplificaterur
Uitgangsaansluitengen van de versterker
Terminales de salida de amplificador
Terminali de uscita dell'amplifcator
Utgångar på förstärkaren
Forstærkerudgangsbøsninger
Vahvistimen ulostuloliittimet
Przyłącza wyjścia ze wzmacniacza
Erősítő kimeneti csatlakozók
Výstupní zdířky zesilovače

Black
Schwarz
Noir
Zwart
Negro
Nero
Svart
Sort
Musta
Czarny
Fekete
Černý

CONNECTION

- Turn off power to the whole system before connecting the speakers to the amplifier.
- The nominal impedance of the SP-MXJ100 is 6 Ω. Select for use an amplifier to which a speaker system with the load impedance of 6 Ω can be connected.
- The maximum power handling capacity of the SP-MXJ100 is 40 W. Excessive input will result in abnormal noise and possible damage. In cases where the signals described below are applied to the speakers, even if the signals are below the maximum allowable input, they may cause an overload and burn the wiring of the speakers. Be sure to lower the amplifier volume beforehand.
  1) Noise during FM tuning.
  2) High level signals containing high frequency components produced by a tape deck in the fast forward mode.
  3) Click noise produced when turning power of other components on and off.
  4) Click noise produced when connecting or disconnecting cords with the power on.
  5) Click noise produced when the cartridge is replaced with the power on.
  6) Click noise produced when operating amplifier switches.
  7) Continuous high frequency oscillation or high pitch electronically produced musical instrument sound.
  8) Howling when using a microphones.

SPECIFICATIONS

Type	: 2-way bass-reflex type
Speaker units	
Woofer	: 12 cm (4-3/4 in.) cone × 1
Tweeter	: 2 cm (13/16 in.) piezo × 1
Power Handling Capacity	: 40 W
Impedance	: 6 Ω
Frequency Range	: 50 Hz - 18 000 Hz
Sound Pressure Level	: 87 dB/W·m
Dimensions (approx.) (W × H × D)	: 219 mm × 317 mm × 219 mm (8-5/8 in. × 12-1/2 in. × 8-5/8 in.)
Mass (approx.)	: 3.1 kg (6.9 lbs) each

Design and specifications subject to change without notice.

ANSCHLUSS

- Schalten Sie vor dem Anschluß der Lautsprecher an den Verstärker die Spannungsversorgung des gesamten Systems aus.
- Die Nennimpedanz der Lautsprecher — Systeme SP-MXJ100 beträgt 6 Ω. Wählen Sie einen Verstärker, an den ein Lautsprechersystem mit einer Lastimpedanz von 6 Ω angeschlossen werden kann.
- Die maximale Belastbarkeit der SP-MXJ100 beträgt 40 W. Eine Überlastung führt zu Verzerrungen und möglicherweise zu Beschädigungen.
  Signale der unten beschriebenen Art können, auch wenn sie unter dem maximal zulässigen Eingang liegen, eine Überlastung verursachen und die Lautsprecherwicklungen durchbrennen. Verringern Sie vorher die Lautstärke des Verstärkers.
  1) Geräusche beim Einstellen von UKW-Sendern.
  2) Hochpegelige Signale mit Hochfrequenz-Anteilen, die von Tonbanddecks beim Schnellvorspulen erzeugt werden.
  3) Klickgeräusche, wenn die Spannungsversorgung anderer Komponenten ein- und ausgeschaltet wird.
  4) Klickgeräusche, wenn Kabel angeschlossen oder abgetrennt werden, während die Spannungsversorgung eingeschaltet ist.
  5) Klickgeräusche, wenn der Tonabnehmer des Plattenspielers ausgewechselt wird, während die Spannungsversorgung eingeschaltet ist.
  6) Klickgeräusche, die beim Betätigen von Schaltern des Verstärkers erzeugt werden.
  7) Ständige Hochfrequenzschwingungen oder elektronisch erzeugte Töne von Musikinstrumenten mit hohen Tonhöhen.
  8) Rückkopplungen von Mikrofonen.

RACCORDEMENT

- Mettre hors circuit tout le système avant de raccorder les enceintes à l'amplificateur.
- L'impédance nominale des enceintes SP-MXJ100 est de 6 Ω. Sélectionner un amplificateur acceptant une impédance de charge de haut-parleur de 6 Ω.
- La puissance maximum admissible des SP-MXJ100 est, respectivement, de 40 W.
  En dépassant la puissance admissible, cela provoquera des bruits anormaux et détériorera les enceintes.
  Au cas où les signaux décrits ci-dessous sont envoyés aux enceintes, et même si ces signaux sont inférieurs à la puissance d'entrée maximum admissible, ils risquent de provoquer une surcharge ou même un incendie. S'assurer de bien diminuer le volume sonore de l'amplificateur.
  1) Parasites durant une syntonisation FM.
  2) Signaux de niveau élevé contenant des composants à haute fréquence, comme ceux générés par une platine d'enregistrement en mode avance rapide.
  3) Cliquetis se produisant lorsque d'autres appareils sont mis en ou hors circuit.
  4) Cliquetis se produisant lorsque des appareils sont branchés ou dé-branchés alors que leur alimentation est en circuit.
  5) Cliquetis se produisant lorsque la cellule d'une platine tourne-disque est changée alors que l'alimentation est en circuit.
  6) Cliquetis se produisant lorsque les commandes de l'amplificateur sont manipulées.
  7) Oscillations continuelles à haute fréquence ou sons très aigus provenant d'instruments de musique électroniques.
  8) Hurlements dus à l'utilisation de micros.

TECHNISCHE DATEN

Typ	: 2-Weg Baßreflexbox
Lautsprechereinheiten	
Tieftöner	: 12 cm – Konus × 1
Hochtöner	: 2 cm – Piezo × 1
Belastbarkeit	: 40 W
Impedanz	: 6 Ω
Frequenzbereiche	: 50 Hz - 18 000 Hz
Schalldruckpegel	: 87 dB/W·m
Abmessungen (Ca.) (W × H × T)	: 219 mm × 317 mm × 219 mm
Gewicht (Ca.)	: je 3,1 kg.

Technische Änderungen vorbehalten.

CARACTERISTIQUES

Type	: Enceinte 2 voies type à réflexion des basses
Enceintes	
Graves	: conique de 12 cm × 1
Aigus	: piezo de 2 cm × 1
Puissance admissible	: 40 W
Impédance	: 6 Ω
Gamme de fréquence	: 50 Hz - 18 000 Hz
Niveau de pression sonore	: 87 dB/W·m
Dimensions (Environ) (L × H × P)	: 219 mm × 317 mm × 219 mm
Masse (Environ)	: 3,1 kg chaque

Présentation et caractéristiques modifiables sans préavis.

AANSLUITINGEN

- Schakel de spanning van alle aangesloten komponenten uit alvorens de luidsprekers met de versterker te verbinden.
- De nominale impedantie van de SP-MXJ100 bedraagt 6 Ω.
  Kies daarom een versterker waarop u een luidspekersysteem kunt aansluiten met een impedantie belasting van 6 Ω.
- Het maximum verwerkingsvermogen van de SP-MXJ100 bedraagt 40 W. Te hoge ingang kan in abnormale geluidsreproduktie en in beschadigingen resulteren.
  Overbelasting en verbranding van de bedrading kan worden veroorzaakt, wanneer de hieronder beschreven signalen naar de luidspekers worden gevoed, zelfs wanneer de signalen onder het maximaal toegestane ingangsvermogen zijn. Verminder eerst het volume van de versterker.
  1) Ruis, zoals dit optreedtijdens afstemming op een FM-zender.
  2) Hoogfrekwentie signalen van een hoog niveau, zoals die tijdens het vooruitspoelen van een tapedeck worden geproduceerd.
  3) Klikkende geluiden, die worden veroorzaakt door het in - en uitschakelen van de netspanning van andere komponenten.
  4) Klikkende geluiden, zoals die worden geproduceerd bij het tot stand brengen of verbreken van aansluitingen terwijl de netspanning is ingeschakeld.
  5) Klikkende geluiden, zoals die optreden bij het vervangen van het element van een draaitafel terwijl de netspanning is ingeschakeld.
  6) Klikkende geluiden, zoals die worden geproduceerd door bediening van de schakelaars van de versterker.
  7) Voortdurende hoogfrekwentie-oscillatie, of hoogtonige, elektronisch geproduceerde geluiden van muziekinstrumenten.
  8) Rondzingend geluid bij gebruik van mikrofoons.

CONEXIÓN

- Desactive la alimentación de todo el sistema antes de conectar los altavoces al amplificador.
- La impedancia nominal del SP-MXJ100 es de 6 Ω. Seleccione un amplificador al que puedan conectarse altavoces con una impedancia de carga de 6 Ω.
- La potencia máxima de salida del SP-MXJ100 es de 40 W.
  Unáentrada excesiva resultará en ruido anormal y posibles daños.
  En casos donde las señales descritas más abajo se apliquen a los altavoces, aunque las mismas resulten menores que la entrada máxima permisible, pueden causar una sobrecarga y quemar el cableado de los altavoces. Asegúrese de disminuir el volumen del amplificador con anterioridad.
  1) Ruido durante la sintonia en FM.
  2) Señales de alto nivel que contengan componentes de alta frecuencia producidos por un magnetófono en el modo de avance rápido.
  3) Ruidos de conmutación provocados al encender y apagar otros componentes.
  4) Ruido de conmutación al conectar o desconectar cables con los componentes encendidos.
  5) Ruido de conmutación cuando se reemplaza la cápsula con los componentes encendidos.
  6) Ruido de conmutación provocados por la operación de los selectores del amplificador.
  7) Continua oscilación de alta frecuencia o de sonidos de tonos altos provocados por instrumentos electrónicos.
  8) Aullidos al utilizar micrófonos.

TECHNISCHE GEGEVENS

Type	: 2 tweeweg bass reflex
Luidsprekers	
Woofer	: 12 cm - kegeltype × 1
Tweeter	: 2 cm - piëzo × 1
Toegestane vermogenverwerking	: 40 W
Impedantie	: 6 Ω
Frekwentiekarakteristiek	: 50 Hz - 18 000 Hz
Geluidsdrukniveau	: 87 dB/W·m
Afmetingen (Ongeveer) (B × H × D)	: 219 mm × 317 mm × 219 mm
Gewicht (Ongeveer)	: Elk 3,1 kg

Veranderingen in technische gegevens en ontwerp onder voorbehpoud.

ESPECIFICACIONES

Tipo	: Reflex bajo con 2 vias
Unidades de altavoces	
De grvaes	: Tipo cónico de 12 cm × 1
De agudos	: Piezo de 2 cm × 1
Potencia máxima	: 40 W
Impédance	: 6 Ω
Gama de frecuencias	: 50 Hz - 18 000 Hz
Nivel de presión sonora	: 87 dB/W·m
Dimensiones (Aprox.) (An × Al × Pr)	: 219 mm × 317 mm × 219 mm
Peso (Aprox.)	: 3,1 kg cada uno

El diseño y las especificaciones están sujetos a cambio sin aviso.

COLLEGAMENTO

- Spegnete la corrente dell'intero sistema prima di collegare gli altoparlanti all'amplificatore.
- L'impedenza nominale del modello SP-MXJ100 è 6 Ω.
  Selezionate per l'uso un amplificatore a cui collegare un altoparlante con un'impedenza di carico di 6 Ω.
- La capacità di corrente massima del modello SP-MXJ100 è 40 W. Un ingresso eccessivo causerà un suono anormale è possibili danni.
  Nel caso in cui i segnali descriti qui sotto vengono applicati agli altoparlanti, possono causare un sovraccarico e bruciare il cablaggio degli altoparlanti, anche se i segnali siano al di sotto dell'ingresso massimo ammesso.
  Assicuratevi di diminuire il livello del volume dell'altoparlante prima di procedere.
  1) Generazione di rumore durante la sintonizzazione FM.
  2) Segnali di alto livello che contengono dei componenti ad alta frequenza riprodotti da una piastra a cassette nel modo di avanzamento rapido.
  3) Si senitrà uno scatto quando accendete o spegnete la corrente degli altri compoenti.
  4) Si sentirà uno scatto quando collegate o scollegate i cavi con la corrente accesa.
  5) Si sentirà uno scatto quando viene sostituita la cartuccia con la corrente accesa.
  6) Si sentirà uno scatto quando vengono usati gli interruttori dell'amplificatore.
  7) Oscillazione continua ad alta frequenza o suoni acuti da strumenti musicali elettronici.
  8) Ululato quando usate i microfoni.

ANSLUTNING

- Slå av strömmen i alla apparater i ljudanläggningen innan högtalarna ansluts till förstärkaren.
- Nominell impedans för SP-MXJ100 är 6 Ω. Se till att använda en förstärkare till vilken högtalare med en belastnings impedans på 6 Ω kan anslutas.
- Maximal effekthanteringskapacitet hos SP-MXJ100 är 40 W. Brus uppstår i ljudet och högtalarna kan skadas om de matas med för hög effekt. I situationerna som beskrivs nedan kan högtalarna också överbelastas och kabeltråden inne i hägtalarna brännas sönder, fastän högtalarnas effekt inte har överskridits. Sänk därför ljudstyrkan på förhand.
  1) Brus under inställning av FM-radiostationer.
  2) Starka, högfrekventa signaler från ett kassettdäck under snabbspolning framåt.
  3) Ljudbangar som uppstår när andra apparater i anläggningen slås till och från.
  4) Skrapljud som uppstår när anslutningskablar ansluts eller kopplas från medan strömmen är på.
  5) Skrapljud som uppstår när pickupelementet på en skivspelare byts medan strömmen är på.
  6) Ljudbangar som uppstår när du använder förstärkarens omkopplare.
  7) Kontinuerliga, högfrekvenssvängningar eller högfrekvent ljud från elektroniska musikinstrument.
  8) Akustisk återkoppling (tjutande ljud) vid bruk av mikrofoner.

SPECIFICAZIONI

Tipo	: Reflex basso con 2 vie
Le unità altoparlante	
Woofer	: A cono, di 12 cm × 1
Tweeter	: Piezoelettrico, di 2 cm × 1
Capacità di potenza	: 40 W
Impedenza	: 6 Ω
Gamma di frequenza	: Da 50 Hz - 18 000 Hz
Livello della pressione sonora	: 87 dB/W·m
Dimensioni (Circa) (L × A × P)	: 219 mm × 317 mm × 219 mm
Massa (Circa)	: 3,1 kg. ciascuno

Il disegno e le specificazioni sono soggetti a cambiamenti senza preavviso.

TEKNISKA DATA

Typ	: 2-vägs basreflexhögtalare
Högtalarelement	
Bas	: 12 cm kon × 1
Diskant	: 2 cm kristallformat × 1
Effekthanteringskapacitet	: 40 W
Impedans	: 6 Ω
Frekvensåtergivning	: 50 Hz - 18 000 Hz
Ljudtrycksnivå	: 87 dB/W·m
Yttermått (Ca.) (B × H × D)	: 219 mm × 317 mm × 219 mm
Vikt (Ca.)	: 3,1 kg per st.

Rätt till ändringar av utförande och specifikationer förbehålles utan föregående meddelande.

TILSLUTNING

- Sluk for strømmen til hele systemet før højttalerne forbindes til forstærkeren.
- Den nominelle impedans for SP-MXJ100 er 6 Ω. Anvend en forstærker, hvortil der kan tilsluttes et højttalersystem med en belastningsimpedans på 6 Ω.
- Den maksimale belastningskapacitet for SP-MXJ100 er 40 W.

  For kraftigt indgangssignal vil resultere i unormal stoj og muligvis beskadigelse.

  I tilfælde hvor højttalerne udsættes for signalerne beskrevet nedenfor, kan der forekomme overbelastning og overbrænding af ledningerne i höjttalerne selv om signalstyrken er under den maksimale tilladte værdi. Husk derfor at at sænke højttalerlydstyrken i forvejen.

  1) Støj under FM-afstemning.
  2) Signaler med høje niveauer der indeholder höjfrekvente komponenter dannet af en båndoptager der er indstillet til hurtig fremspoling.
  3) Klikstøj dannet når der tændes eller slukkes for strømmen til andre domponenter.
  4) Klikstøj der dannes når ledninger tilsluttes eller tages ud af forbindelse mens der er tændt for strømmen.
  5) Klikstøj der dannes når pickuppen udskiftes mens der er tændt for strømmen.
  6) Klikstøj der dannes når forstærkerens omskiftere betjenes.
  7) Fortsat høj frekvenssvingning, eller en højlyd dannet af et elektronisk instrument.
  8) Hyletoner når der anvendes en mikrofon.

LIITÄNTÄ

- Katkaise koko järjestelmän virta ennen kuin suoritat liitännät kaiuttimista vahvistimeen.
- Mallin SP-MXJ100 nimellinen impedanssi on 6 Ω. Valitse käytettäväksi vahvistin, johon voidaan liitää 6 Ω kuormitusimpedanssin omaavat kaiuttimet.
- Mallin SP-MXJ100 enimmäisteho on 40 W. Liiallinen antoteho aiheuttaa epänormaalia kohinaa ja jopa vahinkoa.

  Tapauksissa, missä kaiuttimet joutuvat alla kuvattujen signaalien kohteeksi, vaikka signaalit olisivat alle sallitun maksimi antotehon, ne saattavat aiheuttaa ylikuormitusta ja polttaa kaiuttimien johdot.

  Vähennä siis vahvistimen äänenvoimakkuutta jo ennalta.

  1) Kohinaa FM-virityksen aikana.
  2) Kasettidekistä eteenpäinkelauksen aikana muodostuneet vahvat, korkeataajuuksisia komponentteja sisältävät signaalit.
  3) Klik-ääni, joka syntyy silloin kun toisten osien virta kytketään ja katkaistaan.
  4) Klik-ääni, joka syntyy silloin kun kytketään tai irrotetaan johtoja virran ollessa päällä.
  5) Klik-ääni, joka syntyy silloin kun vaihdetaan hylsy virran ollessa päällä.
  6) Klik-ääni, joka syntyy silloin kun käytetään vahvistimen kytkimiä.
  7) Jatkuva korkea värähtely tai elektronisesti tuotettu korkea soittimen ääni.
  8) Ulinaa mikrofonia käytettäessä.

SPECIFIKATIONER

Type	: 2-vejs basrefleks-højttaler
Højttalerenheder	
Bashøjttaler	: 12 cm membran × 1
Diskanthøjttaler	: 2 cm piezo × 1
Belastningskapacitet	: 40 W
Impedans	: 6 Ω
Frekvensområde	: 50 Hz - 18 000 Hz
Lydtryksniveau	: 87 dB/W·m
Mål (Ca.) (B × H × D)	: 219 mm × 317 mm × 219 mm
Vægt (Ca.)	: 3,1 kg hver

Design og specifikationer kan blive ændret uden varsel.

TEKNISET TIEDOT

Tyyppi	: 2-tie, bassorefleksi
Kaiutinyksiköt	
Basso	: 12 cm kartiomuotoinen × 1
Diskantti	: 2 cm piezo × 1
Enimmäisteho	: 40 W
Impedanssi	: 6 Ω
Taajuusalue	: 50 Hz - 18 000 Hz
Äänenpainetaso	: 87 dB/W·m
Mitat (Noin) (L × K × S)	: 219 mm × 317 mm × 219 mm
Paino (Noin)	: 3,1 kg / kaiutin

Oikeudet muutoksiin pidätetään.

PODŁĄCZENIE

- Przed podłączeniem kolumn do wzmacniacza najpierw wyłączyć sieć całego zestawu.
- Impedancja znamionowa kolumn zestawu głośnikowego SP-MXJ100 wynosi 6 Ω.
  Wybrać taki wzmacniacz, który pozwala na podłączenie kolumn o impedancji obciążeniowej wynoszącej 6 Ω.
- Maksymalna moc kolumn zestawu głośnikowego SP-MXJ100 wynosi 40 W. Zbyt wysoki poziom sygnału na wejściu kolumn powoduje zniekształcenie dźwięku, a nawet może spowodować uszkodzenie głośników. W przypadku poddania głośników sygnałom wyszczególnionym poniżej może nastąpić przeciążenie głośników oraz przepalenie przewodów głośników nawet, jeżeli sygnały te są poniżej maksymalnego dopuszczalnego poziomu. Pamiętać zawsze o uprzednim zmniejszczeniu poziomu głośności wzmacniacza.
  1) Szumy w czasie dostrajania pasma FM.
  2) Sygnały o wysokim poziomie charakteryzujące się wysokimi częstotliwościami wytworzonymi przez magnetofon kasetowy w czasie przewijania taśmy do przodu.
  3) Trzaski pojawiające się w czasie włączania i wyłączania sieci innych elementów zestawu.
  4) Trzaski pojawiające się w czasie podłączania lub odłączania przewodów, kiedy sieć jest włączona.
  5) Trzaski pojawiające się w czasie wymiany wkładki gramofonowej, kiedy sieć jest włączona.
  6) Trzaski pojawiające się w czasie przełączania włączonego wzmacniacza.
  7) Długotrwale oscylujące wysokie częstotliwości lub inne dźwięki wysokiej częstotliwości elektronicznie syntezowane przez instrument muzyczny.
  8) Gwizdy w czasie używania mikrofonu.

CSATLAKOZTATÁS

- Mielőtt a rendszert csatlakoztatná az erősítőhöz, kapcsoljon ki minden berendezést.
- Az SP-MXJ100 rendszer névleges impedanciája 6 Ω.
  Olyan erősítőt válasszon, amelyhez 6 Ω terhelő impedanciával rendelkező hangszóró rendszer csatlakoztatható.
- Az SP-MXJ100 rendszer maximális bemenő teljesítménye 40 W. Nagy energiájú bemeneti jel rendellenes zajt generálhat és a rendszer károsodását okozhatja. Az alább leírt jelek még a maximális megengedett bemeneti szint alatt is a rendszer túlterhelését és a hangszóró tekercsek leégését okozhatják.
  1) FM (URH) hangolás alatti zaj.
  2) A magnódeck gyors előretekercselés során keletkező, magas frekvenciájú komponenseket tartalmazó intenzív jelek.
  3) Egyéb berendezés be és kikapcsolásakor keletkező kattanó zaj.
  4) Bekapcsolt üzemállapotban a tápkábel össze és szétcsatlakoztatásakor keletkező kattanó zaj.
  5) Bekapcsolt üzemállapotban történő patroncsere során keletkező
  6) Az erősítő kapcsolóinak használatakor keletkező kattanó zaj.
  7) Elektromos hangszer által keltett folyamatos, magas frekvenciájú rezgésű vagy magas tónusú hang.
  8) Mikrofon használatakor keletkező fütyülő zaj.

DANE TECHNICZNE

Typ	: Dwudrożny bass-reflexem
Kolumny głośnikowe	
Niskotonowy	: stożkowy, 12 cm śr. × 1
Wysokotonowy	: piezo, 2 cm śr. × 1
Moc max	: 40 W
Impedancja	: 6 Ω
Zakres częstotliwości	: 50 Hz - 18 000 Hz
Poziom ciśnienia akustycznego	: 87 dB/W·m
Wymiary (Ok.) (szer. × wys. × głęb.)	: 219 mm × 317 mm × 219 mm
Masa (Ok.)	: 3,1 kg każdy

Wygląd zewnętrzny oraz dane techniczne urządzenia mogą ulec zmianie bez uprzedzenia.

MŰSZAKI ADATOK

Típus	: 2-utas basszreflex típus
Hangsugárzó egység	
Mélysugárzó	: 12 cm, kónuszos, × 1
Magassugárzó	: 2 cm, piezoelektromos, × 1
Bemenő teljesítmény	: 40 W
Impedancia	: 6 Ω
Frekvenciatartomány	: 50 Hz - 18 000 Hz
Hangnyomásszint	: 87 dB/W·m
Méretek (kb.) (szélesség × magasság × mélység)	: 219 mm × 317 mm × 219 mm
Tömeg (kb.)	: 3,1 kg/darab

A formaterv és a műszaki adatok változtatásának joga – minden külön értesítés nélkül – fenntartva.

ZAPOJENÍ

- Vypojte napájení celé soustavy před zapojením reproduktorů k zesilovači.
- Jmenovitá impedance SP-MXJ100 je 6 Ω.
  Zvolte si k používání zesilovač, k němuž je možné zapojit reproduktorovou soustavu s impedancí zátěže 6 Ω.
- Maximální kapacita příkonu, který může zpracovat SP-MXJ100, je 40 W. Nadměrný příkon způsobí abnormální hluk a možné poškození. V případech popsaných níže a to i tehdy, jsou-li signály pod úrovní maximálního možného příkonu, může dojít k přetížení a ke spálení vinutí reproduktorů. Dbejte na snížení výkonu zesilovače předem.

1) Šum během FM ladění.
2) Signály vysoké úrovně obsahující vysokofrekvenční komponenty vytvořené magnetofonem při rychlém převíjení vpřed.
3) Zvuk lupnutí vytvořený během zapínání a vypínání ostatních komponentů.
4) Zvuk lupnutí vytvořený během zapojování nebo rozpojování šňůr na zapnutém přístroji.
5) Zvuk lupnutí vytvořený při výměně zásobníku na zapnutém přístroji.
6) Zvuk lupnutí vytvořený při obsluze přepínačů zesilovače.
7) Spojitý vysokofrekvenční oscilační nebo vysokotónový zvuk elektronicky vytvořený hudebním nástrojem.
8) Houkání při použití mikrofonů.

TECHNICKÁ SPECIFIKACE

Typ	: 2-pásmový basreflexový typ
Reproduktorové soustavy	
Hloubkový	: 12 cm kuželový × 1
Výškový	: 2 cm piezový × 1
Kapacita zpracovatelného příkonu	: 40 W
Impedance	: 6 Ω
Frekvenční rozsah	: 50 Hz - 18 000 Hz
Hladina zvukového tlaku	: 87 dB/W·m
Rozměry (Přibl.) (Š × V × H)	: 219 mm × 317 mm × 219 mm
Hmotnost (Přibl.)	: 3,1 kg každý

Vzhled a specifikace podléhají změnám bez předchozího upozornění.

JVC

SERVICE MANUAL

COMPACT COMPONENT SYSTEM

MX-J100

Supplement

Area Suffix	
J	U.S.A.
C	Canada

Change of the supplying system for CD mechanism parts for the MX-J100 (Manual No.20817).

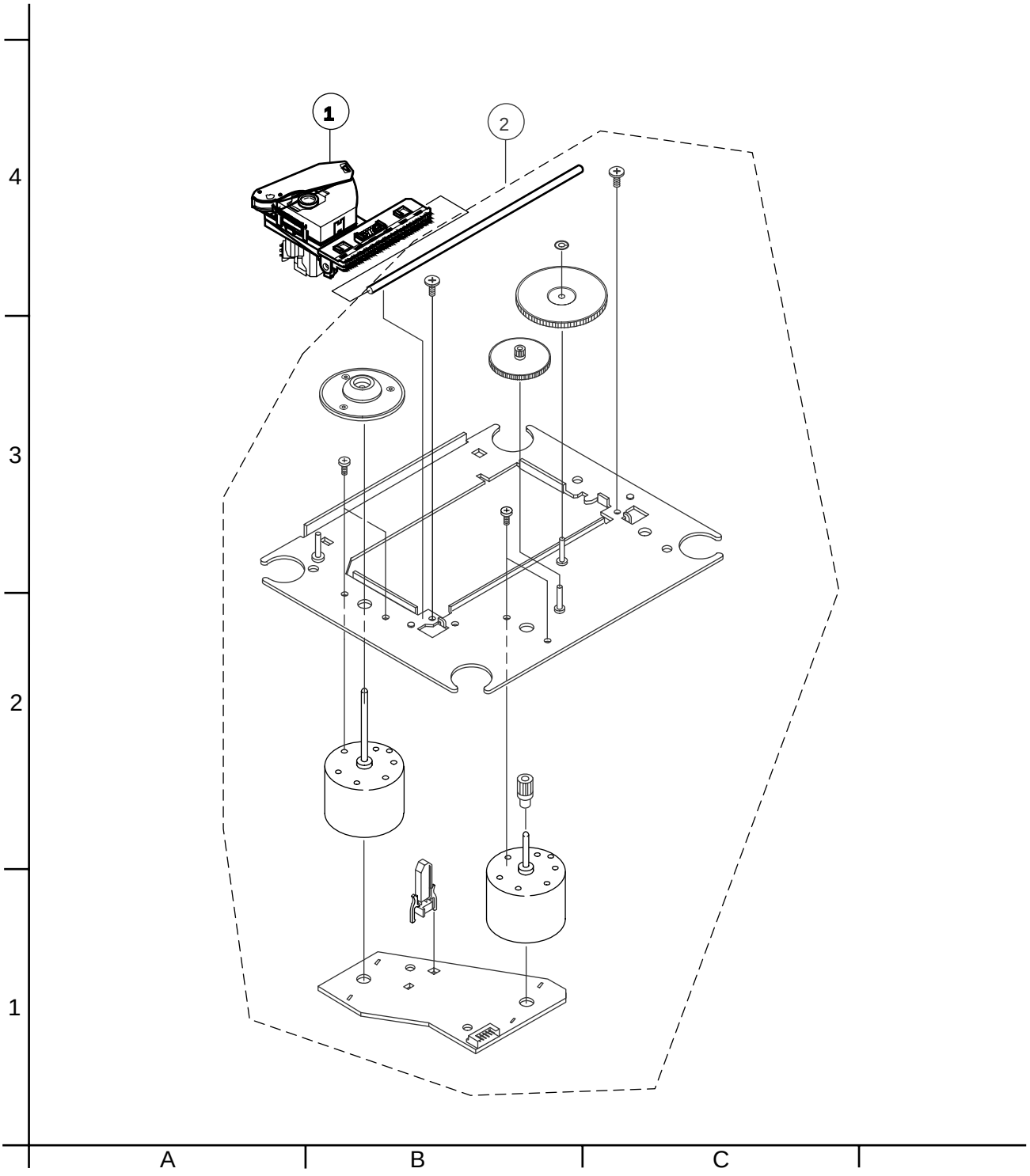
<Old system> Supplied as individual parts
<New system> Supplied as a unit of assembly parts
Reason : We are not able to supply individual parts for servicing.

Please make an order for assembly parts according to the new system from now on.
For parts list refer to the back cover.

No.20817B
Apr. 2001

CD mechanism assembly and parts list

Block No. M 2 M M



■ Parts list(CD mechanism)

Block No. M2MM

⚠	Item	Parts number	Parts name	Q'ty	Description	Area
	1	AH30-00007A	PIC UP	1	SOH-AA,D51SG6(W	
	2	AH91-60150C	CDP DECK ASSY	1	CMS-300D,-	

VICTOR COMPANY OF JAPAN, LIMITED
AUDIO & COMMUNICATION BUSINESS DIVISION
PERSONAL & MOBILE NETWORK BUSINESS UNIT. 10-1,1chome,Ohwatari-machi,Maebashi-city,371-8543,Japan

(No.20817B)

Printed in Japan
200104(V)