

JVC

SERVICE MANUAL

CD RECEIVER

B00685

KD-G814

Area suffix

UI ----- India

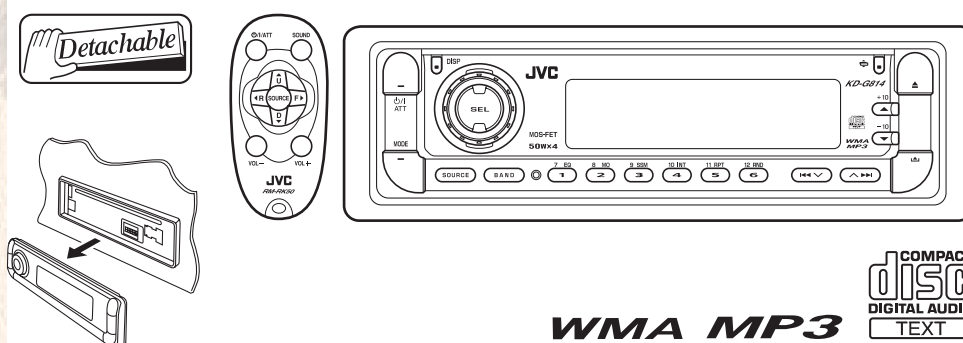


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SPECIFICATION


AUDIO AMPLIFIER SECTION		
Maximum Power Output	Front	50 W per channel
	Rear	50 W per channel
Continuous Power Output (RMS)	Front	19 W per channel into 4 Ω , 40 Hz to 20 000 Hz at no more than 0.8% total harmonic distortion.
	Rear	19 W per channel into 4 Ω , 40 Hz to 20 000 Hz at no more than 0.8% total harmonic distortion.
Load Impedance		4 Ω (4 Ω to 8 Ω allowance)
Equalizer Control Range	Low	± 12 dB (60 Hz, 80 Hz, 100 Hz, 120 Hz)
	Mid	± 12 dB
	High	± 12 dB (8 kHz, 10 kHz, 12 kHz, 15 kHz)
Frequency Response		40 Hz to 20 000 Hz
Signal-to-Noise Ratio		70 dB
Line-Out Level/Impedance		5.0 V/20 k Ω load (full scale)
Output Impedance		1 k Ω
Subwoofer-Out Level/Impedance		2.0 V/20 k Ω load (full scale)
Other Terminals		CD changer, SUBWOOFER
TUNER SECTION		
Frequency Range	FM	87.5 MHz to 108.0 MHz
	AM	531 kHz to 1 602 kHz
FM Tuner	Usable Sensitivity	11.3 dBf (1.0 μ V/75 Ω)
	50 dB Quieting Sensitivity	16.3 dBf (1.8 μ V/75 Ω)
	Alternate Channel Selectivity (400 kHz)	65 dB
	Frequency Response	40 Hz to 15 000 Hz
	Stereo Separation	35 dB
	Capture Ratio	1.5 dB
AM Tuner	Sensitivity	20 μ V
	Selectivity	35 dB
CD PLAYER SECTION		
Type		Compact disc player
Signal Detection System		Non-contact optical pickup (semiconductor laser)
Number of Channels		2 channels (stereo)
Frequency Response		5 Hz to 20 000 Hz
Dynamic Range		96 dB
Signal-to-Noise Ratio		98 dB
Wow and Flutter		Less than measurable limit
MP3 Decoding Format		MPEG1/2 Audio Layer 3 Max. Bit Rate: 320 kbps
WMA (Windows Media Audio) Decoding Format		Max. Bit Rate: 192 kbps
GENERAL		
Power Requirement	Operating Voltage	DC 14.4 V (11 V to 16 V allowance)
Grounding System		Negative ground
Allowable Operating Temperature		0°C to +40°C
Dimensions (W \times H \times D)	Installation Size (approx.)	182 mm \times 52 mm \times 159 mm
	Panel Size (approx.)	188 mm \times 58 mm \times 12 mm
Mass (approx.)		1.5 kg (excluding accessories)


Design and specifications are subject to change without notice.

A woman with long blonde hair, wearing a black dress and black high-heeled sandals, is sitting on a wooden bench. She is looking down at her lap. The background is a plain, light-colored wall.

SECTION 1 PRECAUTIONS

1.1 Safety Precautions

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

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

1.2 Preventing static electricity

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

1.2.1 Grounding to prevent damage by static electricity

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

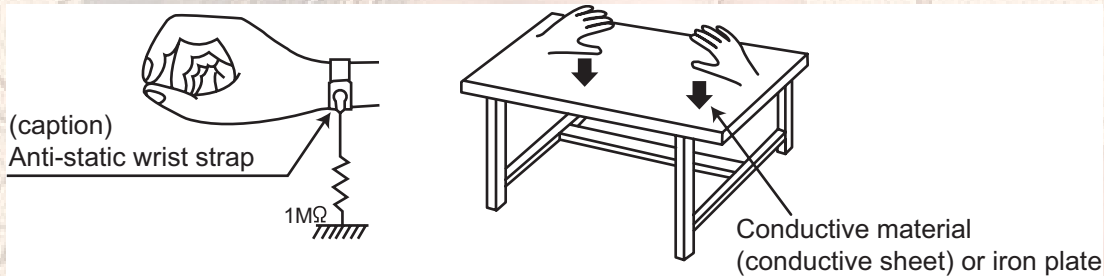
Be careful to use proper grounding in the area where repairs are being performed.

(1) Ground the workbench

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

(2) Ground yourself

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



(3) Handling the optical pickup

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

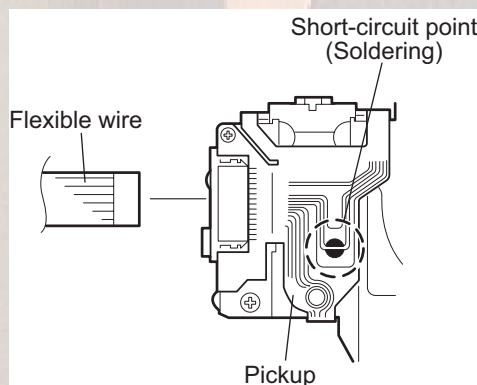
1.3 Handling the traverse unit (optical pickup)

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

1.4 Attention when traverse unit is decomposed

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

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



1.5 Important for laser products

1.CLASS 1 LASER PRODUCT

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

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

4.CAUTION : The CD,MD and DVD player uses invisible laser radiation and is equipped with safety switches which prevent emission of radiation when the drawer is open and the safety interlocks have failed or are defeated. It is dangerous to defeat the safety switches.

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

6.CAUTION : Use of controls, adjustments or performance of procedures other than those specified here in 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.

CAUTION : Visible and invisible laser radiation when open and interlock failed or defeated.

AVOID DIRECT EXPOSURE TO BEAM.

ADVARSEL : Synlig og usynlig laserstråling når maskinen er åben eller interlocken fejler. Undgå direkte eksponering til stråling.

VARNING : Synlig och osynlig laserstråling när den öppnas och spärren är urkopplad. Betrakta ej strålen.

VARO : Avattaessa ja suojalukitus ohitettuna tai viallisena olet alttiina näkyvälle ja näkymättömälle lasersäteilylle. Vältä säteen kohdistumista suoraan itseesi.

REPRODUCTION AND POSITION OF LABELS

WARNING LABEL

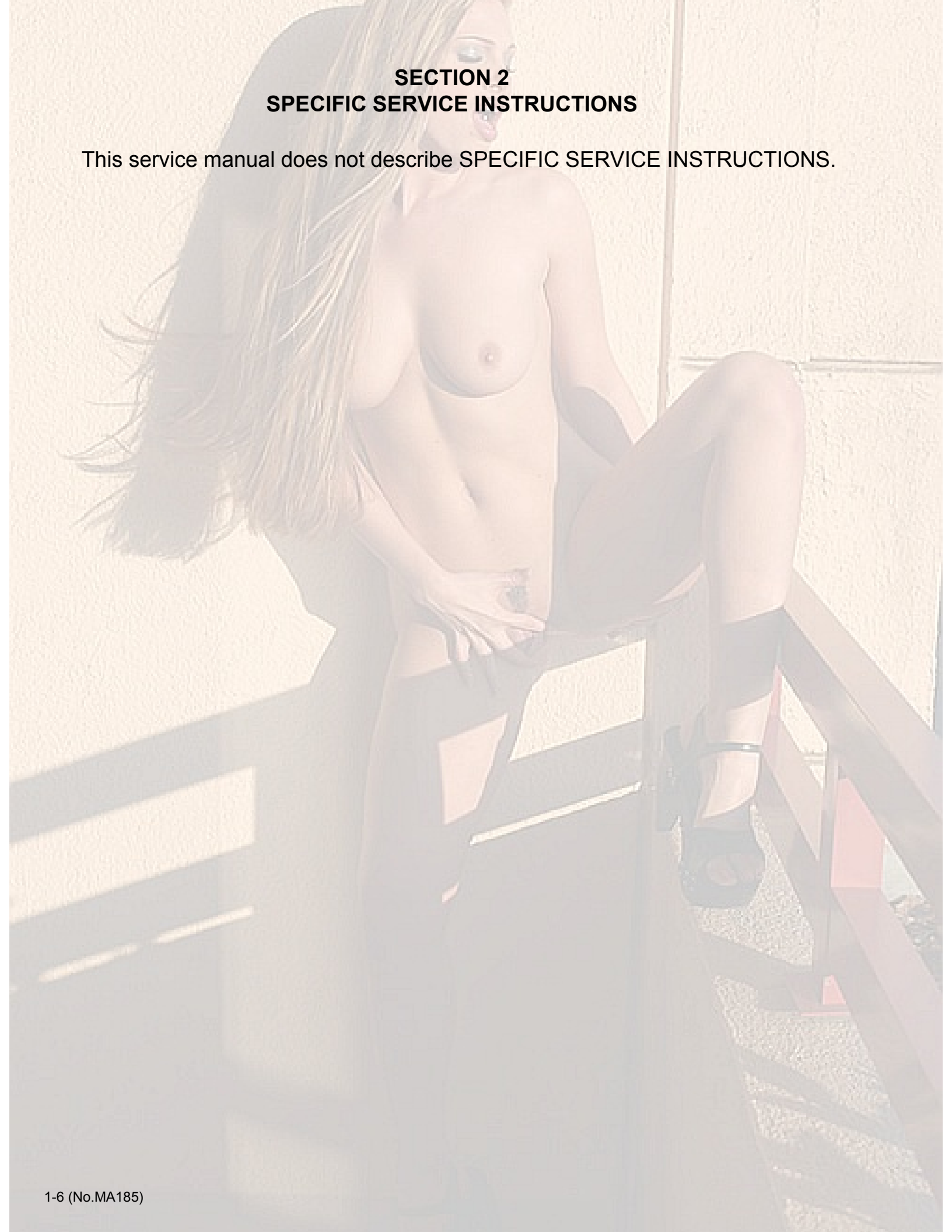
CLASS 1
LASER PRODUCT

CAUTION : Visible and invisible laser radiation when open and interlock failed or defeated. AVOID DIRECT EXPOSURE TO BEAM. (e)

ADVARSEL : Synlig og usynlig laserstråling når maskinen er åben eller interlocken fejler. Undgå direkte eksponering til stråling. (d)

VARNING : Synlig och osynlig laserstråling när den öppnas och spärren är urkopplad. Betrakta ej strålen. (s)

VARO : Avattaessa ja suojalukitus ohitettuna tai viallisena olet alttiina näkyvälle ja näkymättömälle lasersäteilylle. Vältä säteen kohdistumista suoraan itseesi. (f)



SECTION 2

SPECIFIC SERVICE INSTRUCTIONS

This service manual does not describe SPECIFIC SERVICE INSTRUCTIONS.

SECTION 3 DISASSEMBLY

3.1 Main body section

3.1.1 Removing the front panel assembly (See Fig.1)

- (1) Push the detach button in the lower right part of the front panel assembly.
- (2) Take out the front panel assembly.

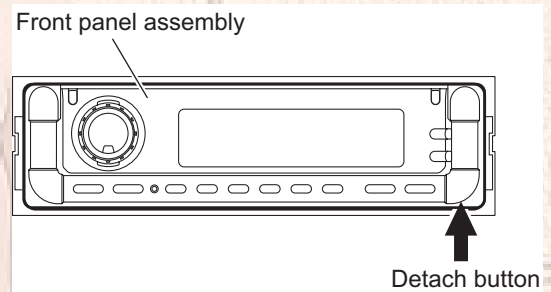


Fig.1

3.1.2 Removing the heat sink (See Fig.2)

- (1) From the left side of the main body, remove the two screws **A** and three screws **B** attaching the heat sink.
- (2) Take out the heat sink.

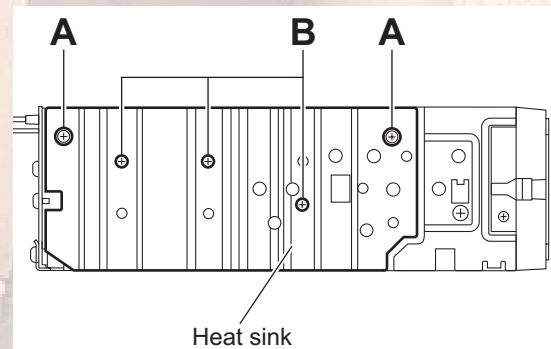


Fig.2

3.1.3 Removing the top chassis assembly (See Figs.3 to 6)

- Prior to performing the following procedures, remove the heat sink.

Reference:

Remove the front panel assembly as required. (Refer to "3.1.1 Removing the front panel assembly")

- (1) From the bottom side of the main body, remove the two screws **C** attaching the top chassis assembly to the bottom chassis assembly. (See Fig.3)
- (2) From the both and rear sides of the main body, remove the four screws **D** attaching the top chassis assembly to the bottom chassis assembly. (See Figs.4 to 6)
- (3) Lift the top chassis assembly in the direction of the arrow, and disconnect the connector [CN501](#) on the mechanism control board from the connector [CN101](#) on the main board. (See Figs.5 and 6)
- (4) Take out the top chassis assembly from the bottom chassis assembly.

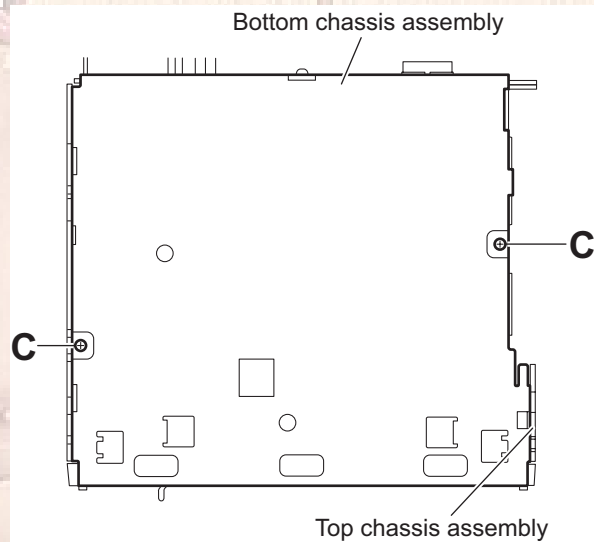


Fig.3

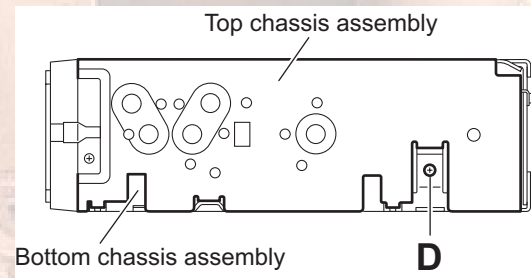


Fig.4

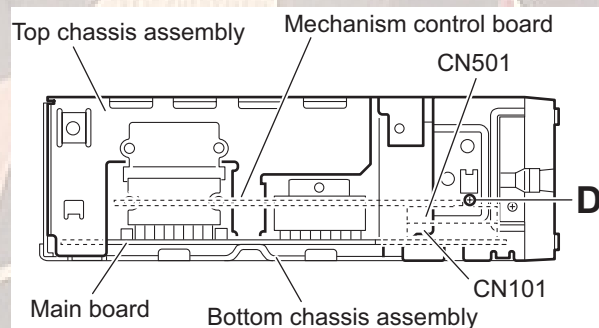


Fig.5

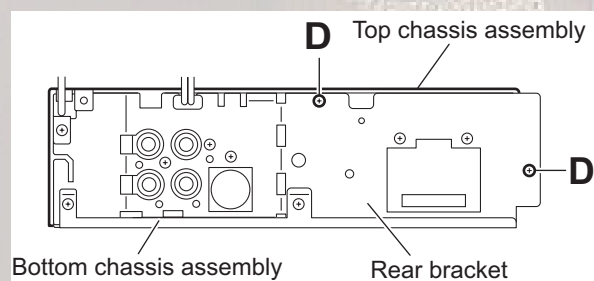


Fig.6

3.1.4 Removing the front chassis (See Figs.7 and 8)

- Prior to performing the following procedure, remove the front panel assembly, heat sink and top chassis assembly.
 - (1) From the both sides of the top chassis assembly, remove the two screws **E** attaching the front chassis. (See Figs.7 and 8)
 - (2) Take out the front chassis

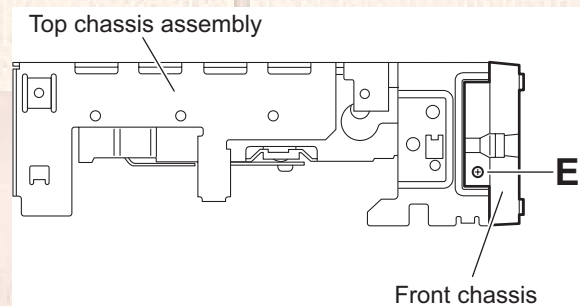


Fig.7

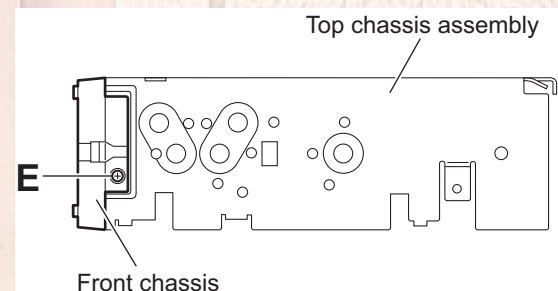


Fig.8

3.1.5 Removing the mechanism control board (See Fig.9)

- Prior to performing the following procedures, remove the front panel assembly, heat sink and top chassis assembly.

Reference:

Remove the front chassis as required. (Refer to "3.1.4 Removing the front chassis")

- (1) Disconnect the card wire from the connector [CN601](#) on the mechanism control board.
- (2) Remove the five screws **F** attaching the mechanism control board.
- (3) Release the claw **a**, and take out the mechanism control board.

Reference:

After attaching the mechanism control board, attach it to the claw **a** and pass the slot **b** of it into the boss of the CD mechanism assembly.

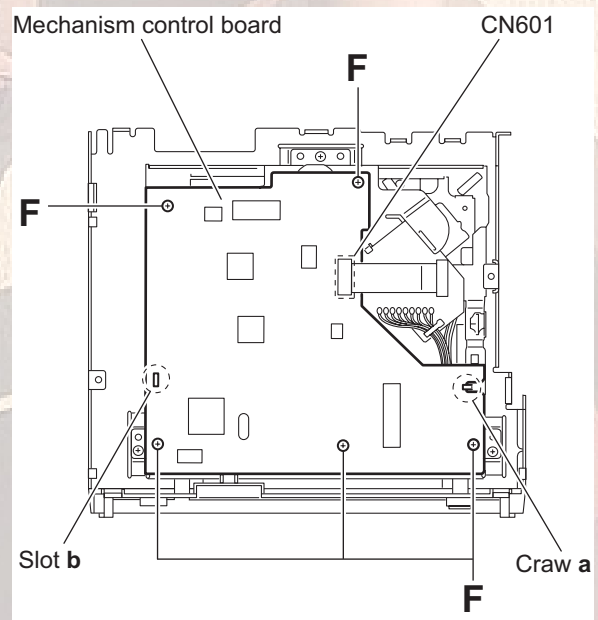


Fig.9

3.1.6 Removing the CD mechanism assembly (See Fig.10)

- Prior to performing the following procedures, remove the front panel assembly, heat sink and top chassis assembly.

Reference:

Remove the front chassis and mechanism control board as required. (Refer to "3.1.4 Removing the front chassis" and "3.1.5 Removing the mechanism control board")

- (1) From the inside of the top chassis assembly, remove the three screws **G** attaching the CD mechanism assembly.
- (2) Take out the CD mechanism assembly from the top chassis.

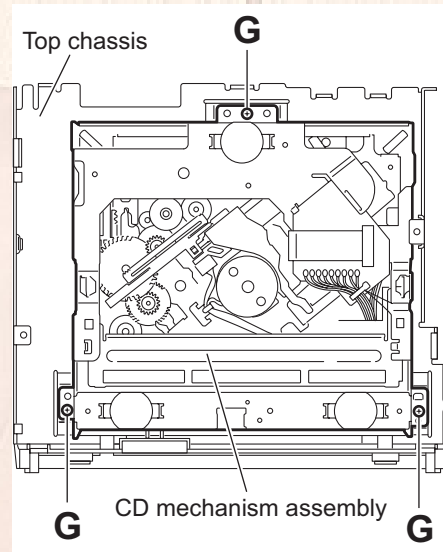


Fig.10

3.1.7 Removing the main board (See Figs.11 and 12)

- Prior to performing the following procedures, remove the front panel assembly, heat sink and top chassis assembly.

- (1) From the rear side of the bottom chassis assembly, remove the two screws **H** attaching the rear bracket to the bottom chassis assembly. (See Fig.11)
- (2) From the top side of the bottom chassis assembly, remove the two screws **J** attaching the main board to the bottom chassis assembly. (See Fig.12)
- (3) Release the stopper of the connector [CN702](#) on the main board in an upward direction, disconnect the card wire from the connector [CN702](#). (See Fig.12)
- (4) Disconnect the wire from the connector of the front door mechanism assembly. (See Fig.12)
- (5) Disconnect the wire from the connector [CN951](#) on the main board. (See Fig.12)

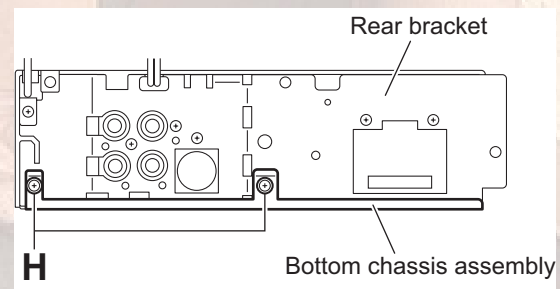


Fig.11

Reference:

After connecting the wires, fix the wires with the wire clamp.

- (6) Take out the main board from the bottom chassis assembly.

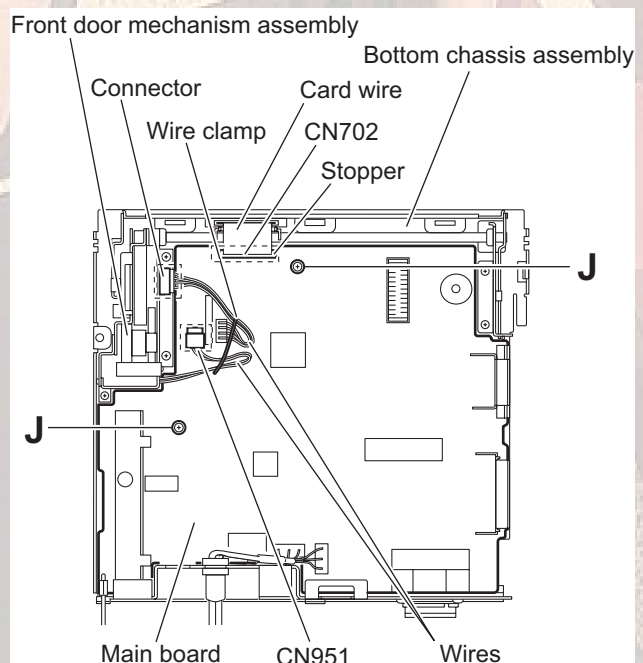


Fig.12

3.1.8 Removing the rear bracket (See Fig.13)

- Prior to performing the following procedures, remove the front panel assembly, heat sink, top chassis assembly and main board.
 - (1) From the rear side of the main board, remove the wires from the rear bracket in the direction of the arrow.
 - (2) Remove the screw **K**, three screws **L** and screw **M** attaching the rear bracket to the main board.

Reference:

After attaching the rear bracket to the main board, pass the wires through the wire holder and insert them into the slots of the rear bracket.

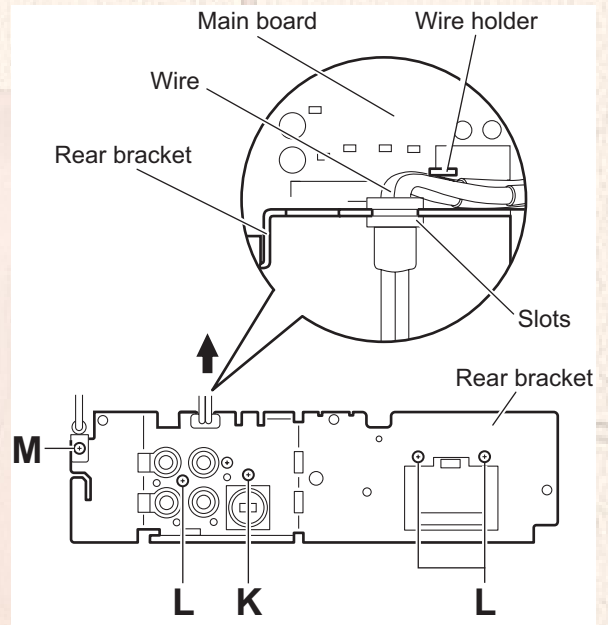


Fig.13

3.1.9 Removing the front door mechanism assembly (See Fig.14)

- Prior to performing the following procedures, remove the front panel assembly, heat sink, top chassis assembly and main board.
 - (1) From the top side of the bottom chassis assembly, remove the screw **N** attaching the FPC guide to the bottom chassis.
 - (2) Remove the five screws **P** attaching the front door mechanism assembly to the bottom chassis.

Reference:

When attaching the screws **N** and **P**, apply a locking agent them.

- (3) Take out the front door mechanism assembly from the bottom chassis.

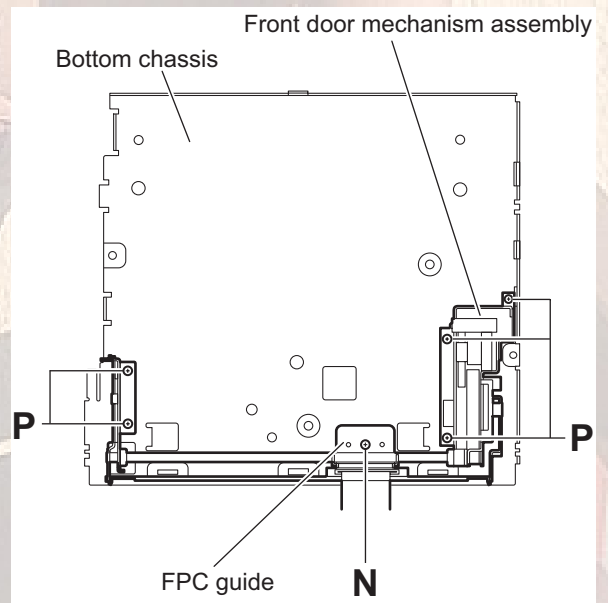


Fig.14

3.1.10 Removing the switch board (See Figs.15 to 17)

- Prior to performing the following procedures, remove the front panel assembly.
 - (1) From the rear side of the front panel assembly, remove the four screws **Q** attaching the rear cover assembly to the front panel assembly. (See Fig.15)
 - (2) Release the twelve joints **c** of the front panel assembly and remove the rear cover assembly. (See Fig.16)
 - (3) Take out the switch board from the front panel assembly. (See Fig.17)

Note:

When removing the rear cover assembly and front board, be careful not to lose the comp. spring. (See Fig.17)

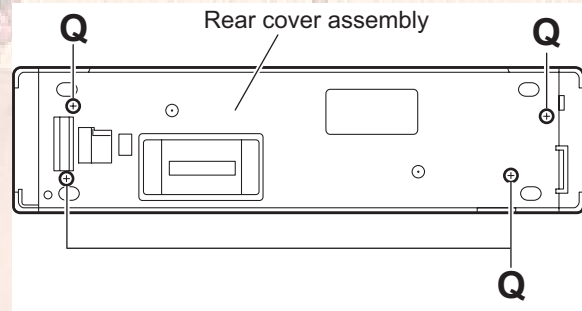


Fig.15

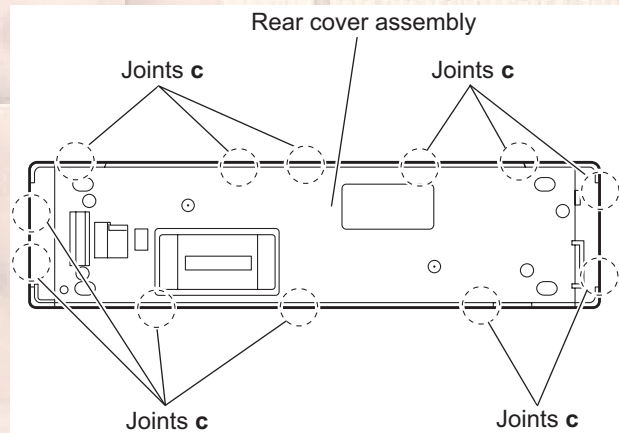


Fig.16

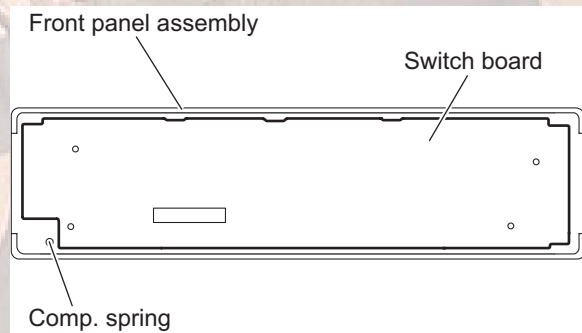


Fig.17

3.2 CD Mechanism section

3.2.1 Removing the top cover (See Figs.1 and 2)

- (1) Remove the four screws **A** on the both side of the body.
- (2) Lift the front side of the top cover and move the top cover backward to release the two joints **a**.

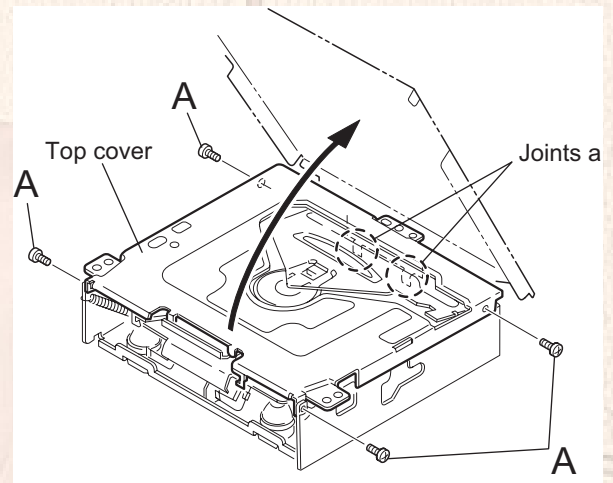


Fig.1

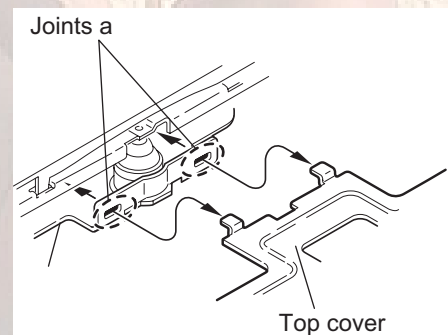


Fig.2

3.2.2 Removing the connector board (See Figs.3 to 5)

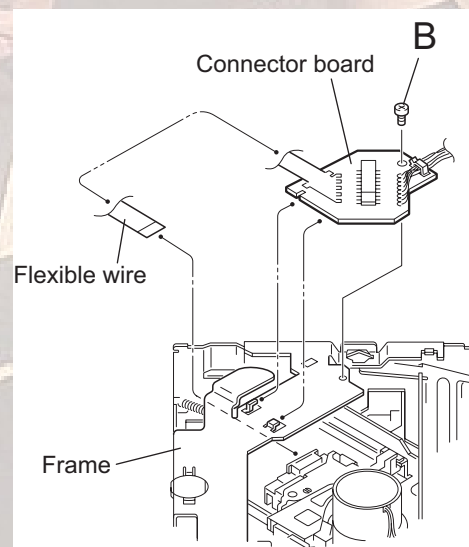
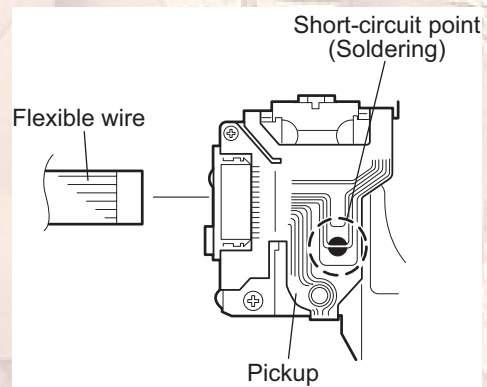
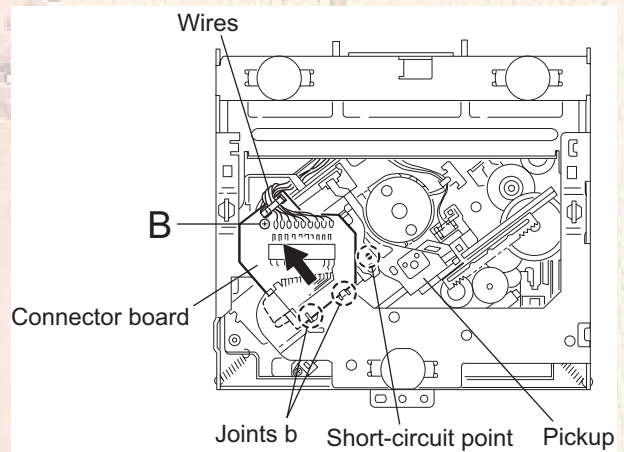
CAUTION:

Before disconnecting the flexible wire from the pickup, solder the short-circuit point on the pickup. No observance of this instruction may cause damage of the pickup.

- (1) Remove the screw **B** fixing the connector board.
- (2) Solder the short-circuit point on the pickup.
- (3) Disconnect the flexible wire from the pickup.
- (4) Move the connector board in the direction of the arrow to release the two joints **b**.
- (5) Unsolder the wires on the connector board if necessary.

CAUTION:

Unsolder the short-circuit point after reassembling.



3.2.3 Removing the DET switch (See Figs.6 and 7)

- (1) Extend the two tabs **c** of the feed sw. holder and pull out the switch.
- (2) Unsolder the DET switch wire if necessary.

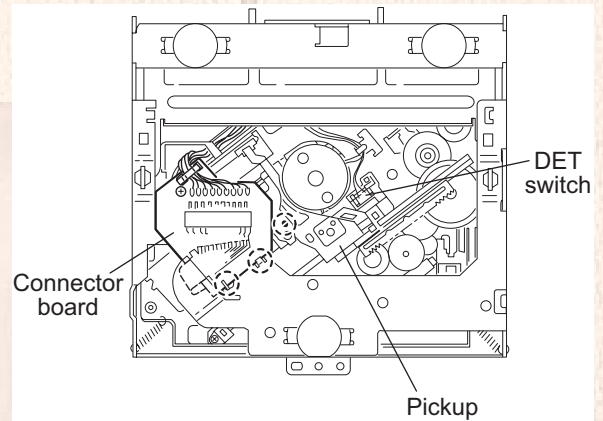


Fig.6

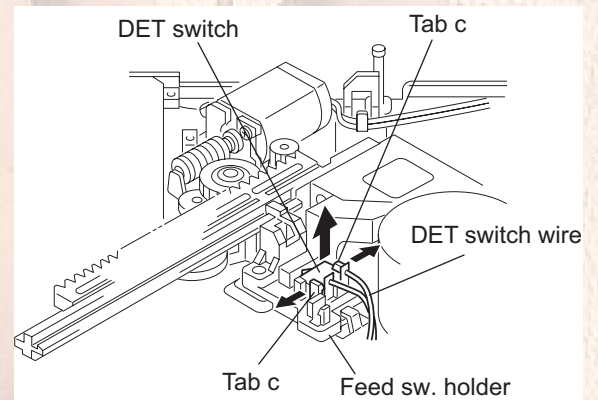


Fig.7

3.2.4 Removing the chassis unit (See Figs.8 and 9)

- Prior to performing the following procedure, remove the top cover and connector board.
(1) Remove the two suspension springs (L) and (R) attaching the chassis unit to the frame.

CAUTION:

- The shape of the suspension spring (L) and (R) are different. Handle them with care.
- When reassembling, make sure that the three shafts on the underside of the chassis unit are inserted to the dampers certainly.

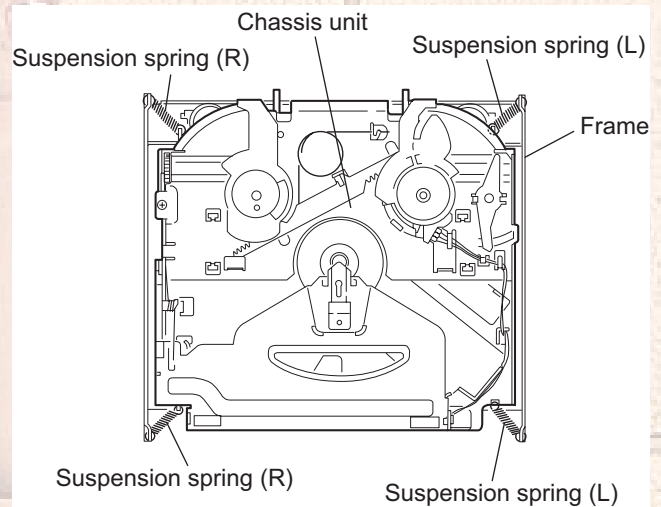


Fig.8

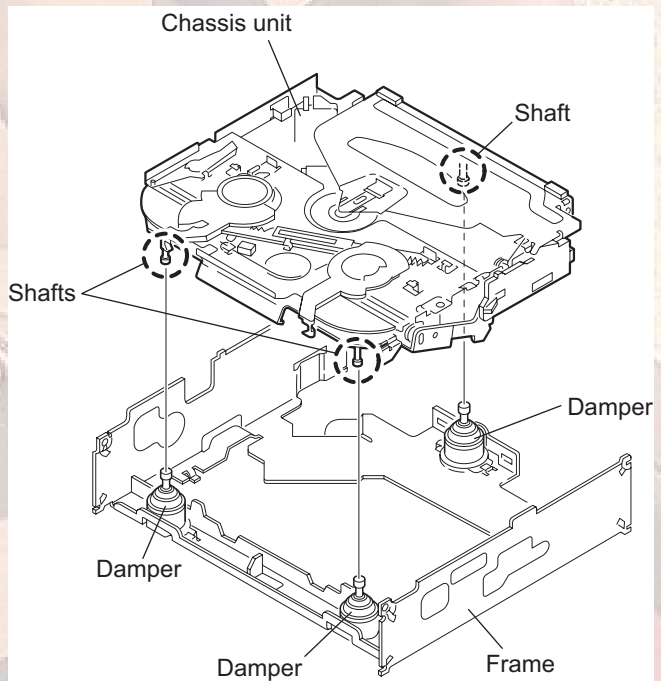


Fig.9

3.2.5 Removing the clamber assembly (See Figs.10 and 11)

- Prior to performing the following procedure, remove the top cover.
 - (1) Remove the clamber arm spring.
 - (2) Move the clamber assembly in the direction of the arrow to release the two joints d.

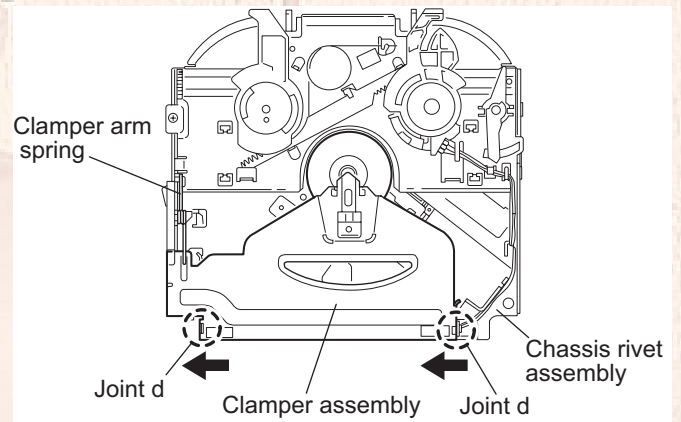


Fig.10

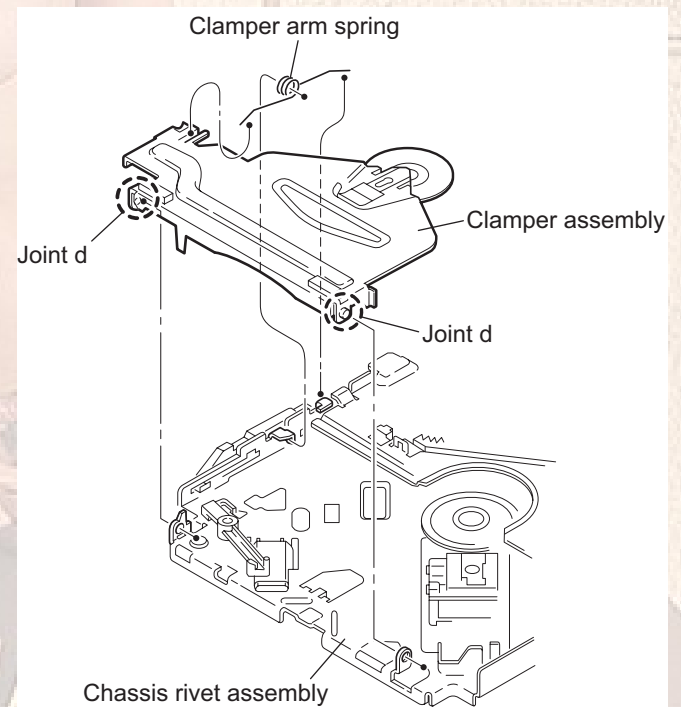


Fig.11

3.2.6 Removing the loading / feed motor assembly (See Figs.12 and 13)

- Prior to performing the following procedure, remove the top cover, connector board and chassis unit.
 - (1) Remove the screw **C** and move the loading / feed motor assembly in the direction of the arrow to remove it from the chassis rivet assembly.
 - (2) Disconnect the wire from the loading / feed motor assembly if necessary.

CAUTION:

When reassembling, connect the wire from the loading / feed motor assembly to the flame as shown in Fig.12.

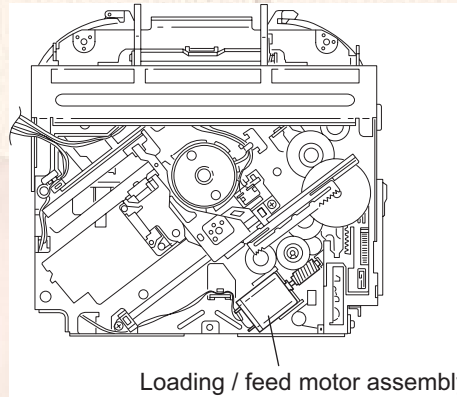


Fig.12

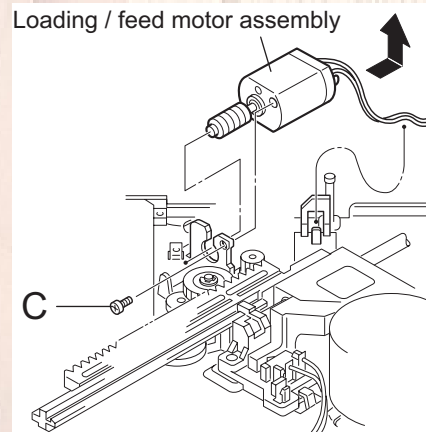


Fig.13

3.2.7 Removing the pickup unit (See Figs.14 to 18)

- Prior to performing the following procedure, remove the top cover, connector board and chassis unit.
- (1) Remove the screw **D** and pull out the pu. shaft holder from the pu. shaft.
- (2) Remove the screw **E** attaching the feed sw. holder.
- (3) Move the part **e** of the pickup unit upward with the pu. shaft and the feed sw. holder, then release the joint **f** of the feed sw. holder in the direction of the arrow. The joint **g** of the pickup unit and the feed rack is released, and the feed sw. holder comes off.
- (4) Remove the pu. shaft from the pickup unit.
- (5) Remove the screw **F** attaching the feed rack to the pickup unit.

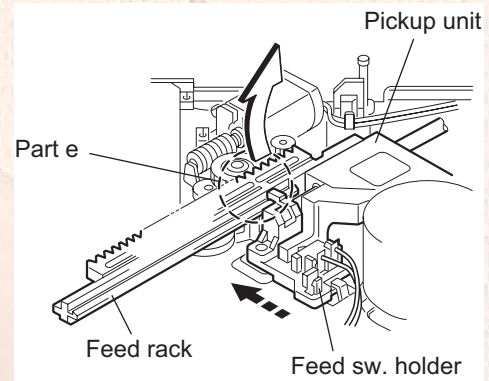


Fig.15

3.2.8 Reattaching the pickup unit (See Figs.14 to 17)

- (1) Reattach the feed rack to the pickup unit using the screw **F**.
- (2) Reattach the feed sw. holder to the feed rack while setting the joint **g** to the slot of the feed rack and setting the joint **f** of the feed rack to the switch of the feed sw. holder correctly.
- (3) As the feed sw. holder is temporarily attached to the pickup unit, set to the gear of the joint **g** and to the bending part of the chassis (joint **h**) at a time.

CAUTION:

Make sure that the part **i** on the underside of the feed rack is certainly inserted to the slot **j** of the change lock lever.

- (4) Reattach the feed sw. holder using the screw **E**.
- (5) Reattach the pu. shaft to the pickup unit. Reattach the pu. shaft holder to the pu. shaft using the screw **D**.

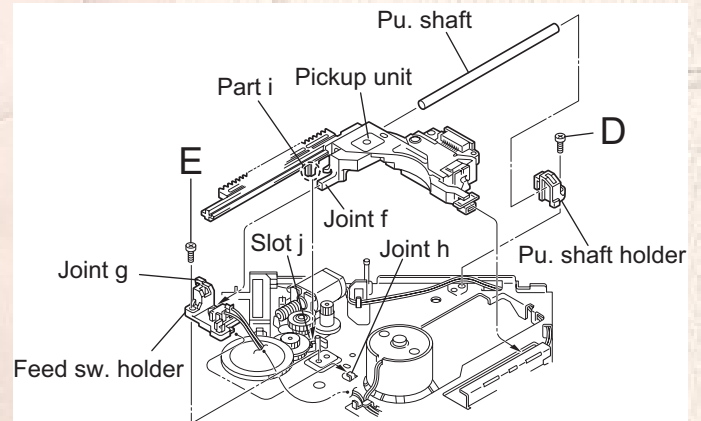


Fig.16

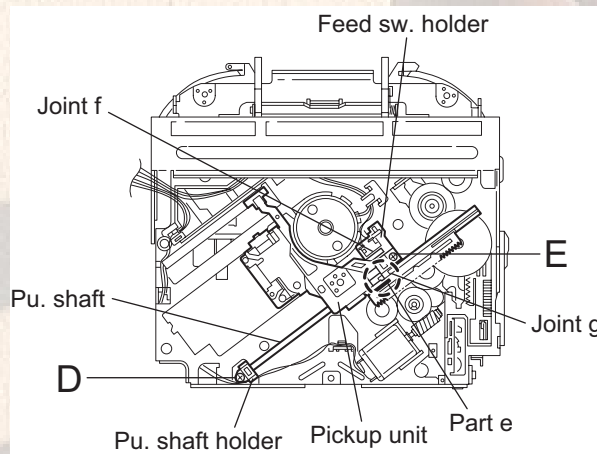


Fig.14

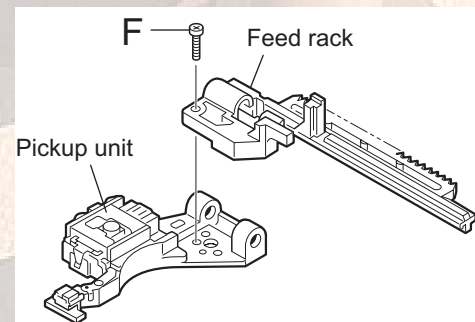


Fig.17

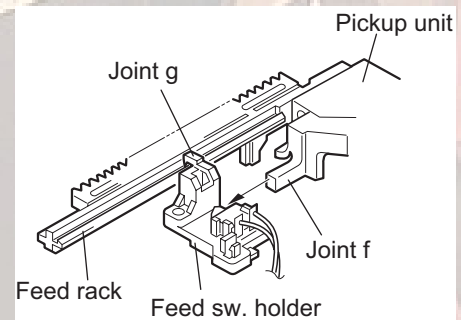


Fig.18

3.2.9 Removing the trigger arm (See Figs.19 and 20)

- Prior to performing the following procedure, remove the top cover, connector board and clamper unit.
 - (1) Turn the trigger arm in the direction of the arrow to release the joint **k** and pull out upward.

CAUTION:

When reassembling, insert the part **m** and **n** of the trigger arm into the part **p** and **q** at the slot of the chassis rivet assembly respectively and join the joint **k** at a time.

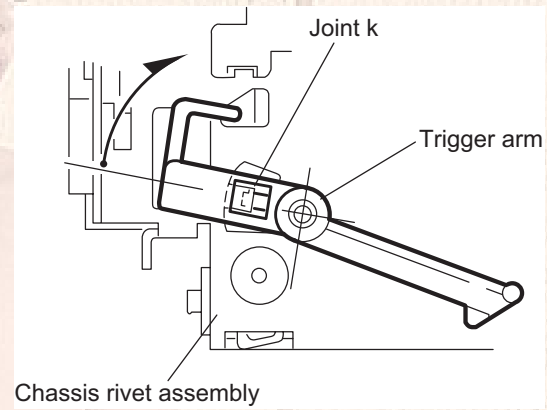


Fig.19

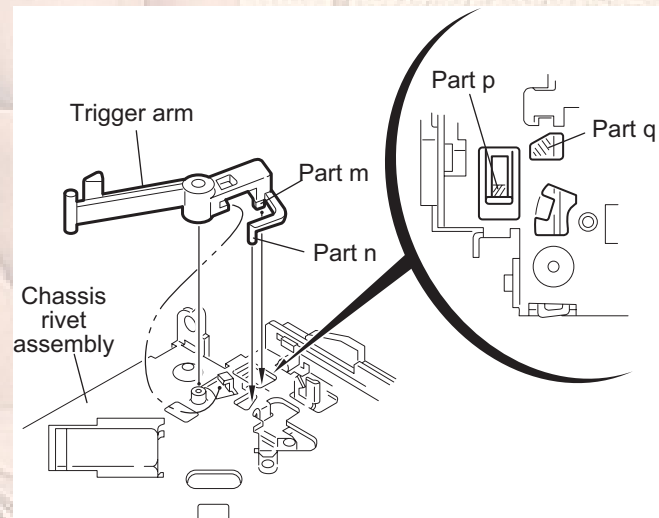


Fig.20

3.2.10 Removing the top plate assembly (See Fig.21)

- Prior to performing the following procedure, remove the top cover, connector board, chassis unit, and clamper assembly.
 - (1) Remove the screw **H**.
 - (2) Move the top plate assembly in the direction of the arrow to release the two joints **r**.
 - (3) Unsolder the wire marked **s** if necessary.

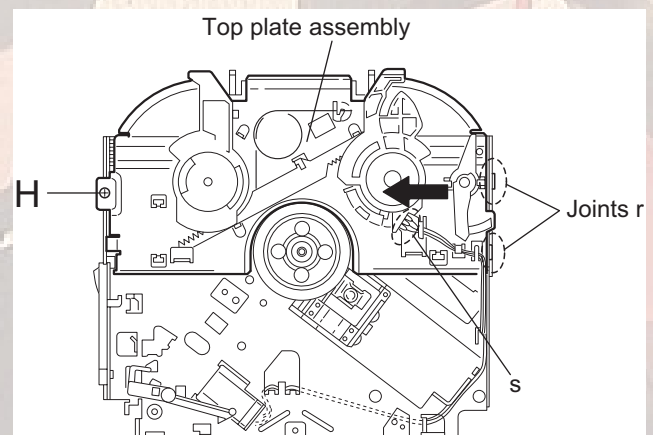


Fig.21

3.2.11 Removing the mode sw. / select lock arm (See Figs.22 and 23)

- Prior to performing the following procedure, remove the top plate assembly.
 - (1) Bring up the mode sw. to release from the link plate (joint t) and turn in the direction of the arrow to release the joint u.
 - (2) Unsolder the wire of the mode sw. marked s if necessary.
 - (3) Turn the select lock arm in the direction of the arrow to release the two joints v.
 - (4) The select lock arm spring comes off the select lock arm at the same time.

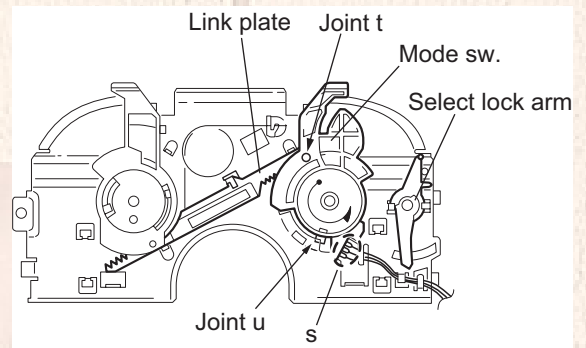


Fig.22

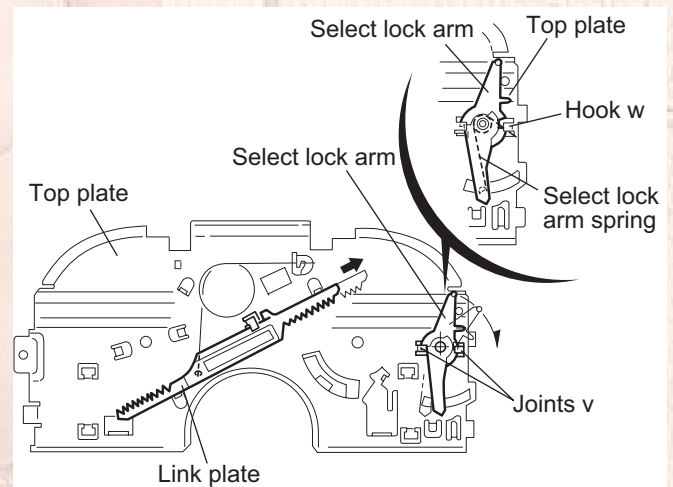


Fig.23

3.2.12 Reassembling the mode sw. / select lock arm (See Figs.24 to 26)

REFERENCE:

Reverse the above removing procedure.

- (1) Reattach the select lock arm spring to the top plate and set the shorter end of the select lock arm spring to the hook w on the top plate.
- (2) Set the other longer end of the select lock arm spring to the boss x on the underside of the select lock arm, and join the select lock arm to the slots (joint v). Turn the select lock arm as shown in the figure.
- (3) Reattach the mode sw. while setting the part t to the first peak of the link plate gear, and join the joint u.

CAUTION:

When reattaching the mode sw., check if the points y and z are correctly fitted and if each part operates properly.

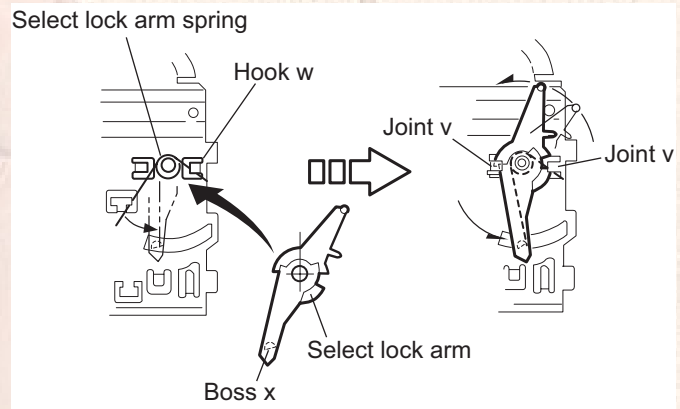


Fig.24

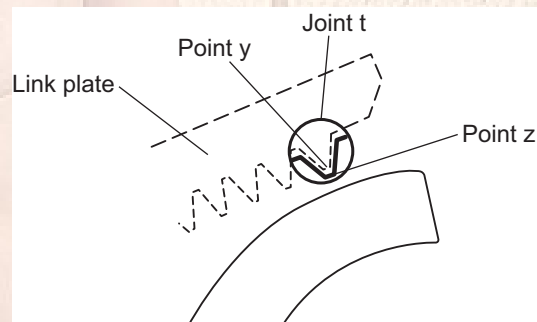


Fig.25

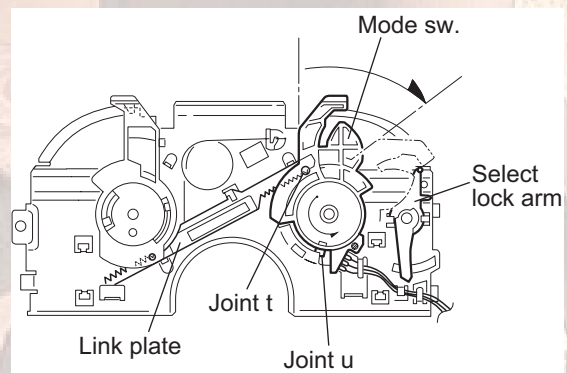


Fig.26

3.2.13 Removing the select arm R / link plate (See Figs.27 and 28)

- Prior to performing the following procedure, remove the top plate assembly.
- (1) Bring up the select arm R to release from the link plate (joint a') and turn as shown in the figure to release the two joints b' and joint c'.
- (2) Move the link plate in the direction of the arrow to release the joint d'. Remove the link plate spring at the same time.

REFERENCE:

Before removing the link plate, remove the mode sw..

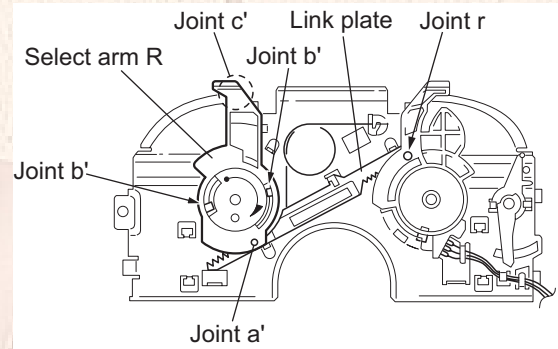


Fig.27

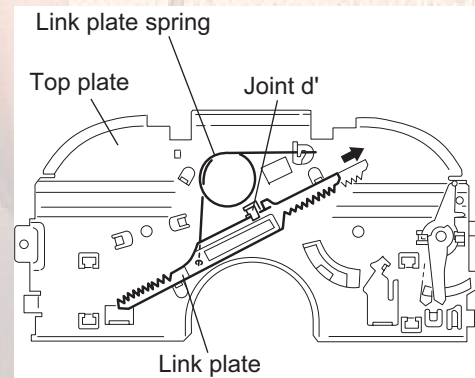


Fig.28

3.2.14 Reattaching the Select arm R / link plate (See Figs.29 and 30)

REFERENCE:

Reverse the above removing procedure.

- (1) Reattach the link plate spring.
- (2) Reattach the link plate to the link plate spring while joining them at joint d'.
- (3) Reattach the joint a' of the select arm R to the first peak of the link plate while joining the two joints b' with the slots. Then turn the select arm R as shown in the figure. The top plate is joined to the joint c'.

CAUTION:

When reattaching the select arm R, check if the points e' and f' are correctly fitted and if each part operates properly.

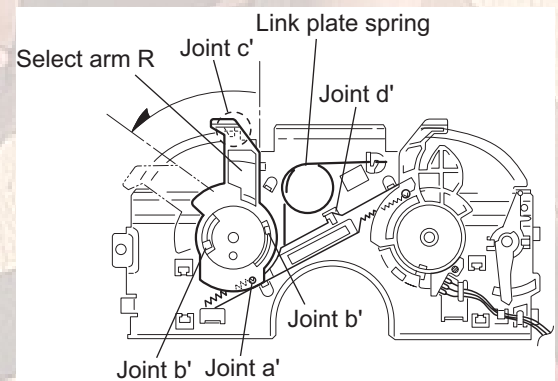


Fig.29

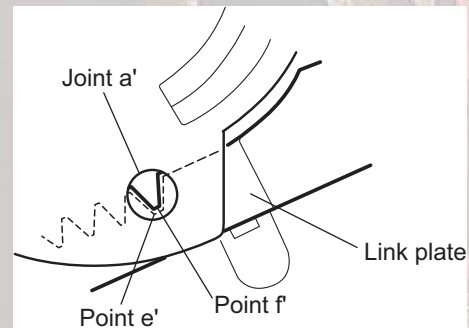


Fig.30

3.2.15 Removing the loading roller assembly (See Figs.31 to 33)

- Prior to performing the following procedure, remove the clamber assembly and top plate assembly.
- (1) Push inward the loading roller assembly on the gear side and detach it upward from the slot of the joint **g'** of the lock arm rivet assembly.
- (2) Detach the loading roller assembly from the slot of the joint **h'** of the lock arm rivet assembly.

The roller guide comes off the gear section of the loading roller assembly.

Remove the roller guide and the HL washer from the shaft of the loading roller assembly.

- (3) Remove the screw **J** attaching the lock arm rivet assembly.
- (4) Push the shaft at the joint **i'** of the lock arm rivet assembly inward to release the lock arm rivet assembly from the slot of the L side plate.
- (5) Extend the lock arm rivet assembly outward and release the joint **j'** from the boss of the chassis rivet assembly. The roller guide springs on both sides come off at the same time.

CAUTION:

When reassembling, reattach the left and right roller guide springs to the lock arm rivet assembly before reattaching the lock arm rivet assembly to the chassis rivet assembly. Make sure to fit the part **k'** of the roller guide spring inside of the roller guide. (Refer to Fig.34.)

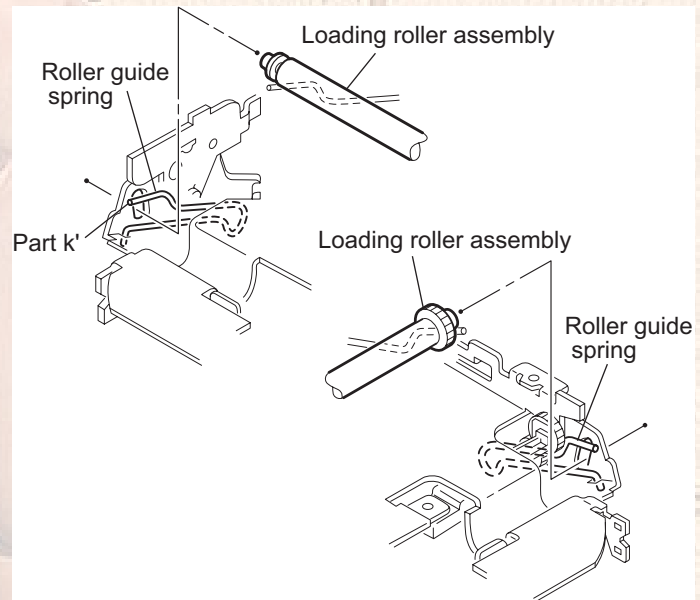


Fig.32

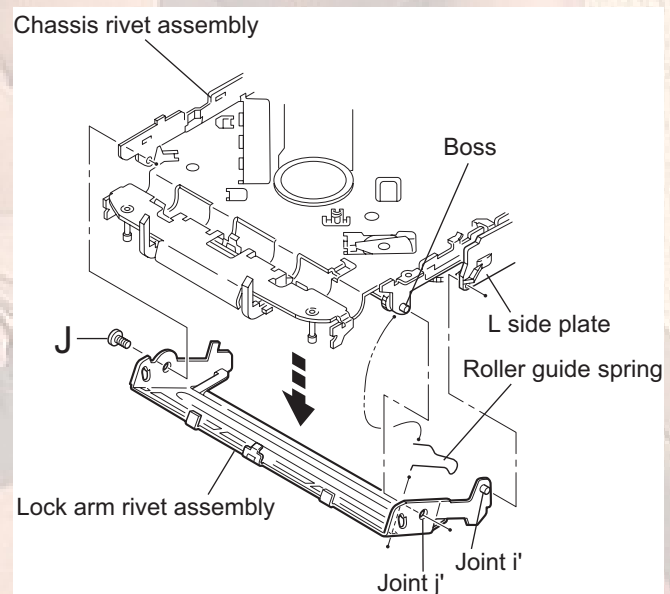


Fig.33

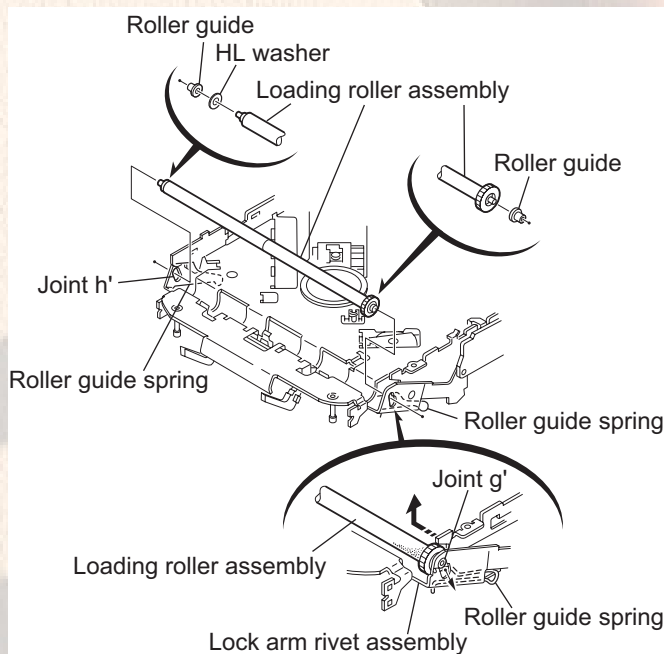


Fig.31

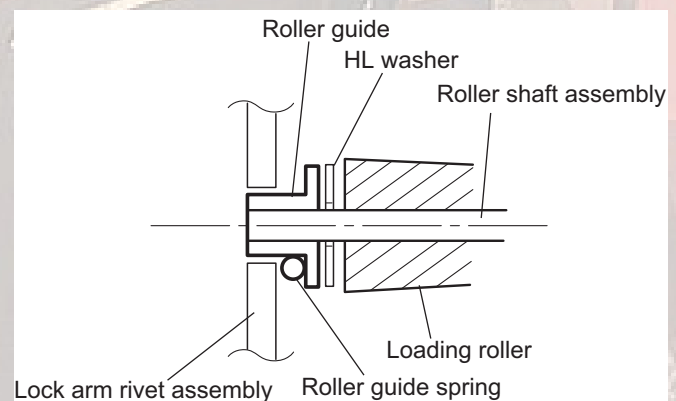
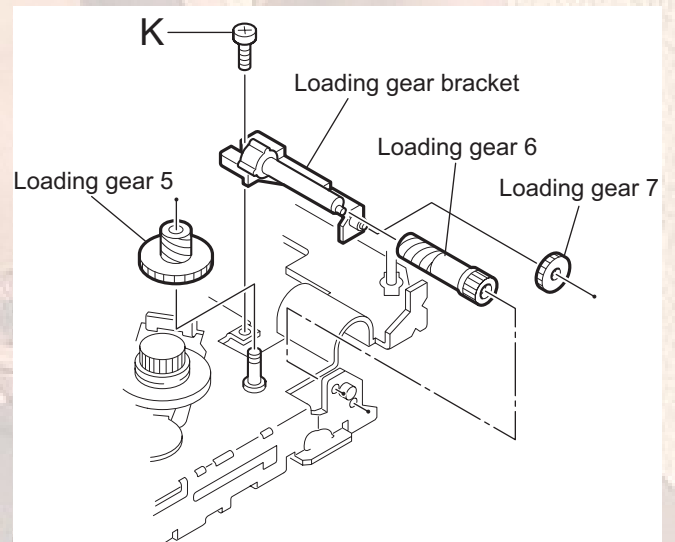
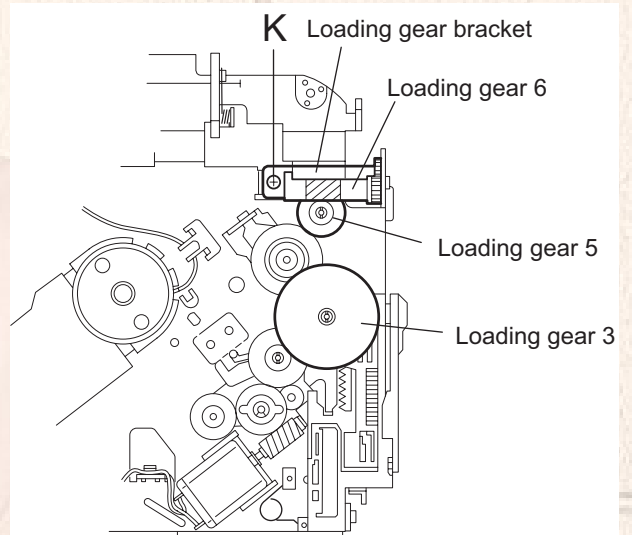


Fig.34

3.2.16 Removing the loading gear 5, 6 and 7 (See Figs.35 and 36)

- Prior to performing the following procedure, remove the top cover, chassis unit, pickup unit and top plate assembly.
 - (1) Remove the screw **K** attaching the loading gear bracket. The loading gear 6 and 7 come off the loading gear bracket.
 - (2) Pull out the loading gear 5.



3.2.17 Removing the gears (See Figs.37 to 40)

- Prior to performing the following procedure, remove the top cover, chassis unit, top plate assembly and pickup unit.
- Pull out the loading gear 3. (See Fig.35.)
 - (1) Pull out the feed gear.
 - (2) Move the loading plate assembly in the direction of the arrow to release the L side plate from the two slots m' of the chassis rivet assembly. (See Fig.37.)
 - (3) Detach the loading plate assembly upward from the chassis rivet assembly while releasing the joint n'. Remove the slide hook and loading plate spring from the loading plate assembly.
 - (4) Pull out the loading gear 2 and remove the change lock lever.
 - (5) Remove the E ring and washer attaching the change gear 2.
 - (6) The change gear 2, change gear spring and adjusting washer come off.
 - (7) Remove the loading gear 1.
 - (8) Move the change plate rivet assembly in the direction of the arrow to release from the three shafts of the chassis rivet assembly upward. (See Fig.38.)
 - (9) Detach the loading gear plate rivet assembly from the shaft of the chassis rivet assembly upward while releasing the joint p'. (See Figs.38 and 40.)
 - (10) Pull out the loading gear 4.

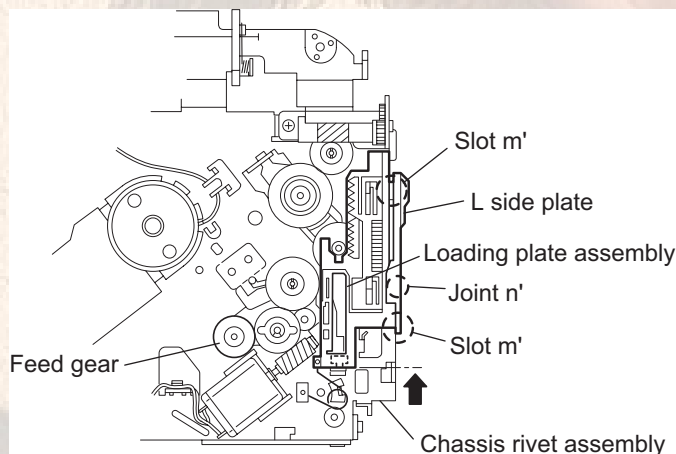


Fig.37

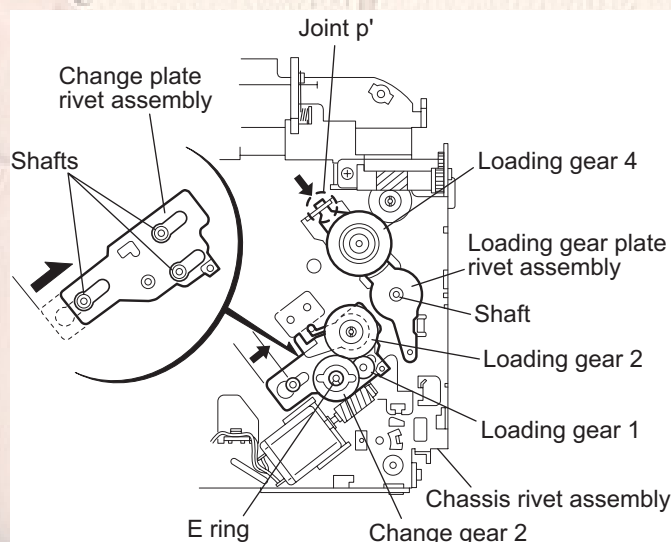


Fig.38

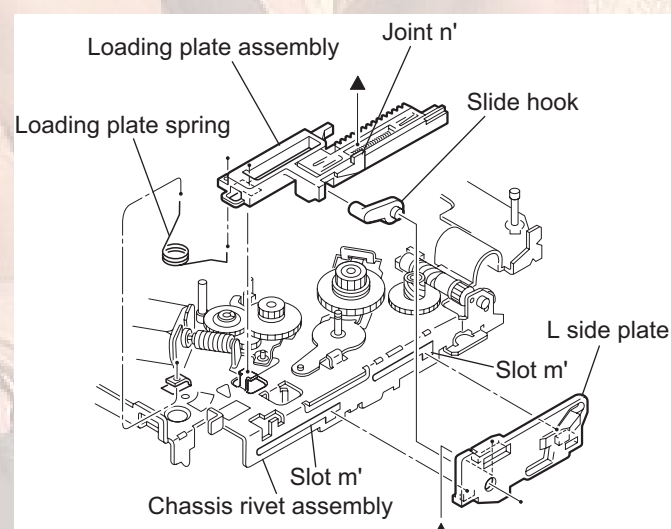


Fig.39

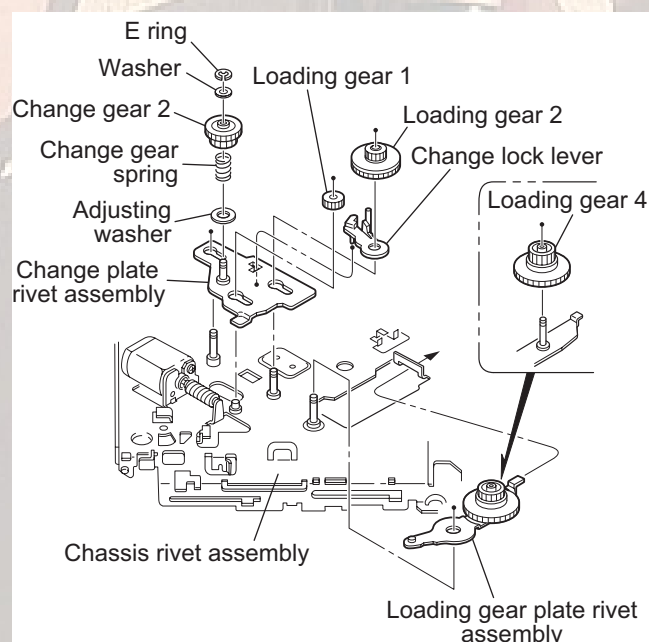


Fig.40

3.2.18 Removing the turn table / spindle motor (See Figs.41 and 42)

- Prior to performing the following procedure, remove the top cover, connector board, chassis unit and clamper assembly.
 - (1) Remove the two screws L attaching the spindle motor assembly through the slot of the turn table on top of the body.
 - (2) Unsolder the wire on the connector board if necessary.

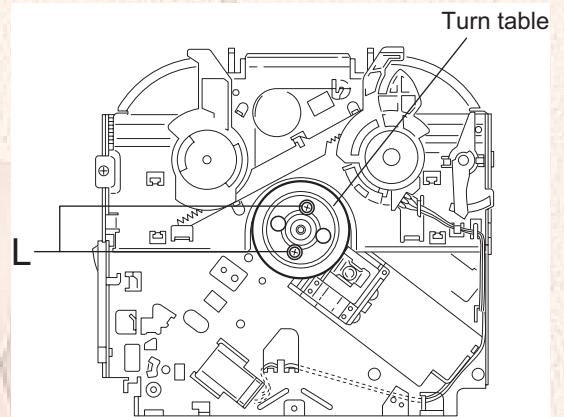


Fig.41

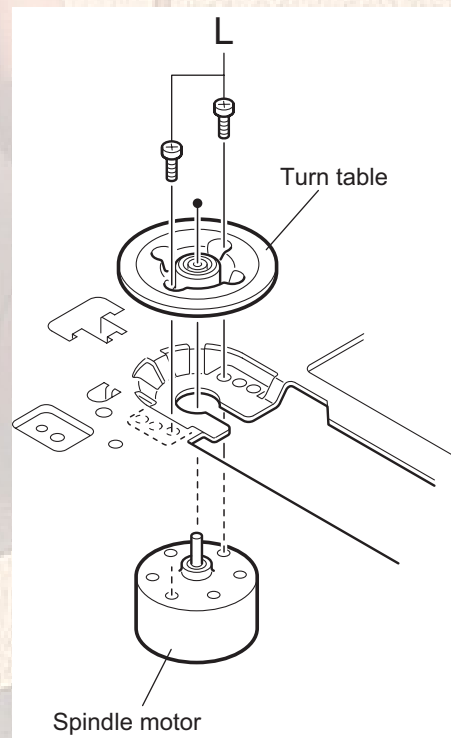


Fig.42

SECTION 4 ADJUSTMENT

4.1 Adjustment method

■ Test instruments required for adjustment

- (1) Digital oscilloscope (100MHz)
- (2) Electric voltmeter
- (3) Digital tester
- (4) Tracking offset meter
- (5) Test Disc JVC :CTS-1000
- (6) Extension cable for check
EXTSH002-22P × 1

■ Standard volume position

Balance and Bass & Treble volume : Indication "0"
Loudness : OFF

■ How to connect the extension cable for adjusting

Caution:

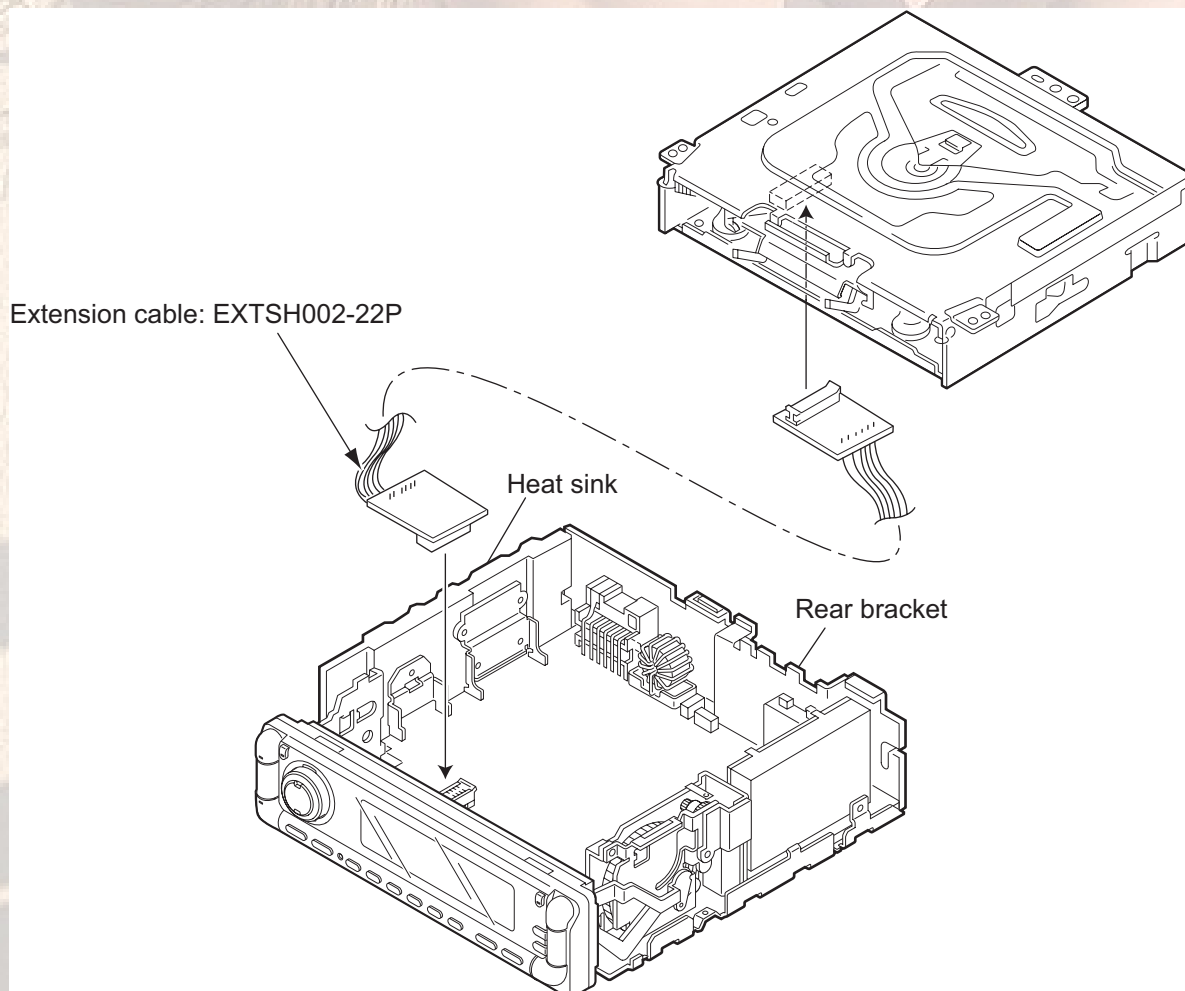
Be sure to attach the heat sink and rear bracket onto the power amplifier IC and regulator IC respectively, before supply the power.
If voltage is applied without attaching these parts, the power amplifier IC and regulator IC will be destroyed by heat.

■ Standard measuring conditions

Power supply voltage	DC14.4V(10.5 to 16V)
Load impedance	20K Ω (2 Speakers connection)
Output Level	Line out 5.0V (Vol. MAX)

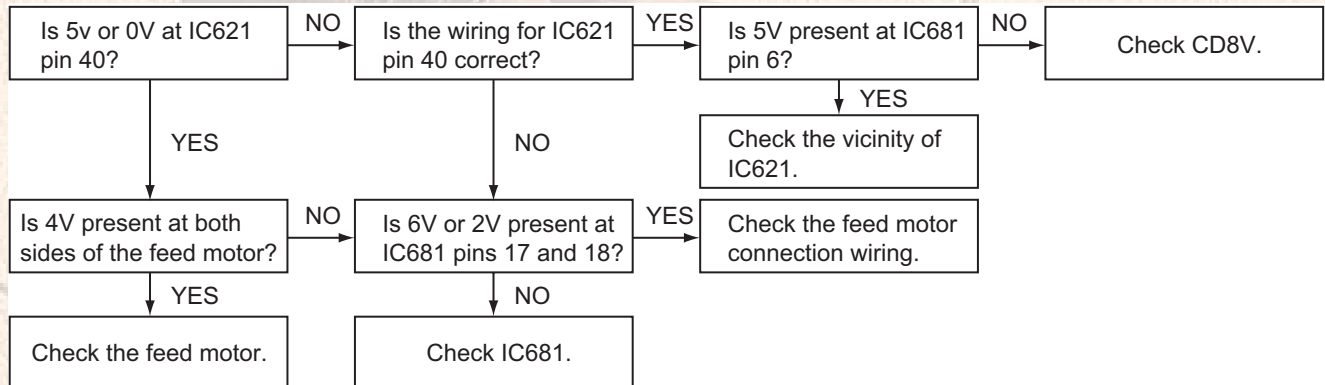
■ Dummy load

Exclusive dummy load should be used for AM, and FM. For FM dummy load, there is a loss of 6dB between SSG output and antenna input. The loss of 6dB need not be considered since direct reading of figures are applied in this working standard.

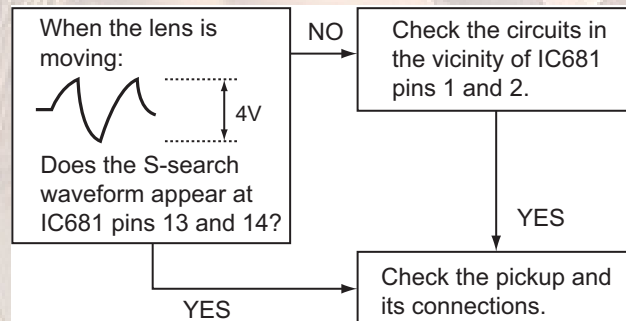


SECTION 5 TROUBLESHOOTING

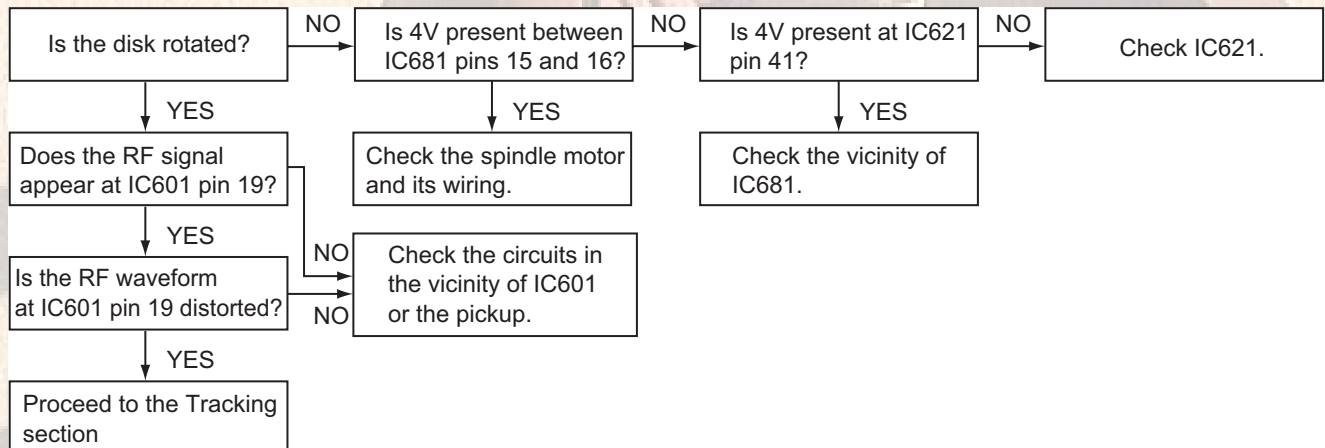
5.1 Feed section



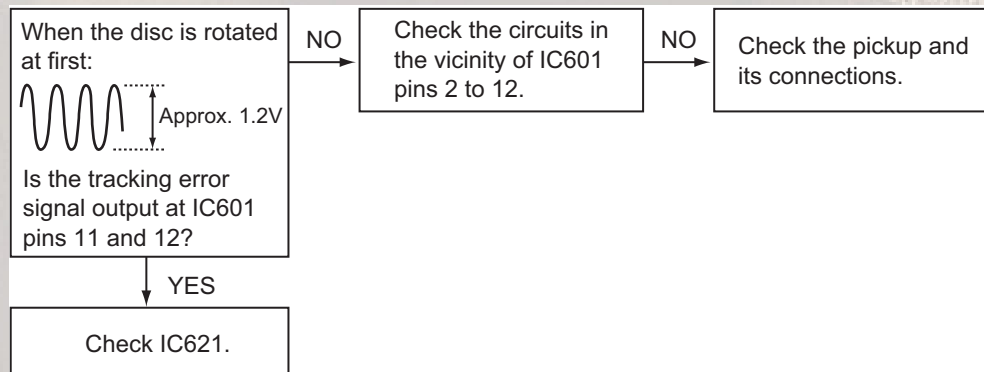
5.2 Focus section



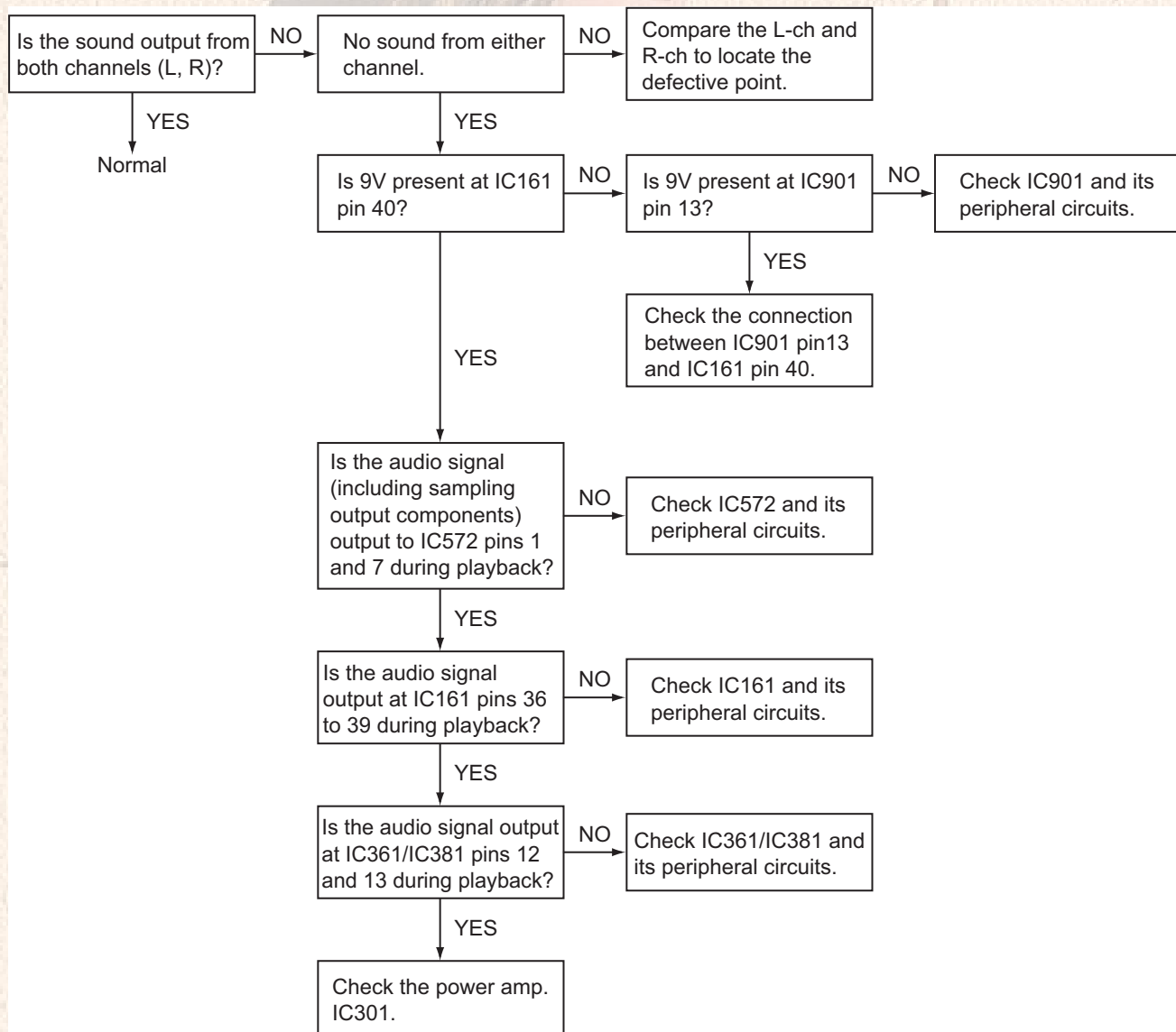
5.3 Spindle section



5.4 Tracking section



5.5 Signal processing section



5.6 Maintenance of laser pickup

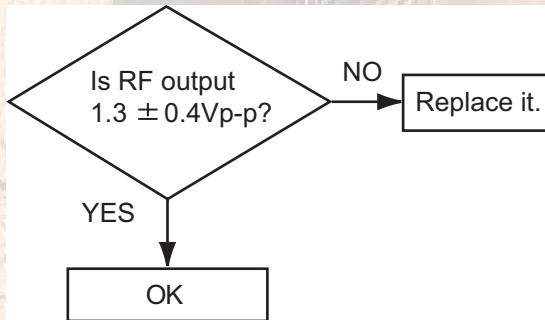
(1) Cleaning the pick up lens

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

(2) Life of the laser diode

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

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

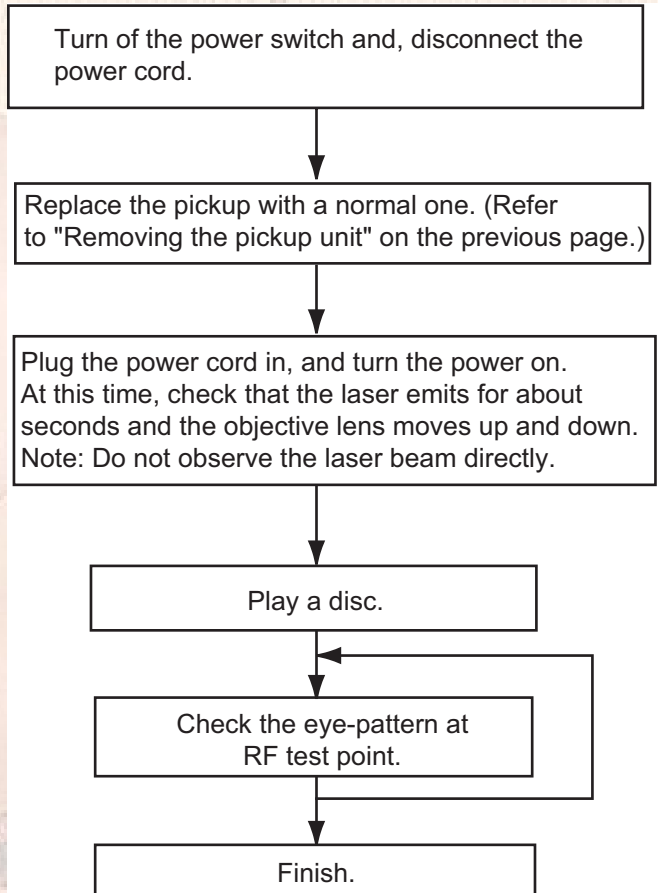


(3) Semi-fixed resistor on the APC PC board

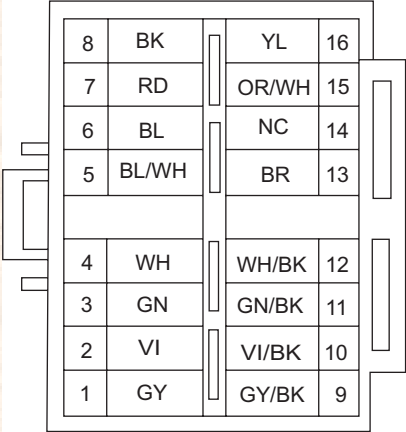
The semi-fixed resistor on the APC printed circuit board which is attached to the pickup is used to adjust the laser power. Since this adjustment should be performed to match the characteristics of the whole optical block, do not touch the semi-fixed resistor.

If the laser power is lower than the specified value, the laser diode is almost worn out, and the laser pickup should be replaced. If the semi-fixed resistor is adjusted while the pickup is functioning normally, the laser pickup may be damaged due to excessive current.

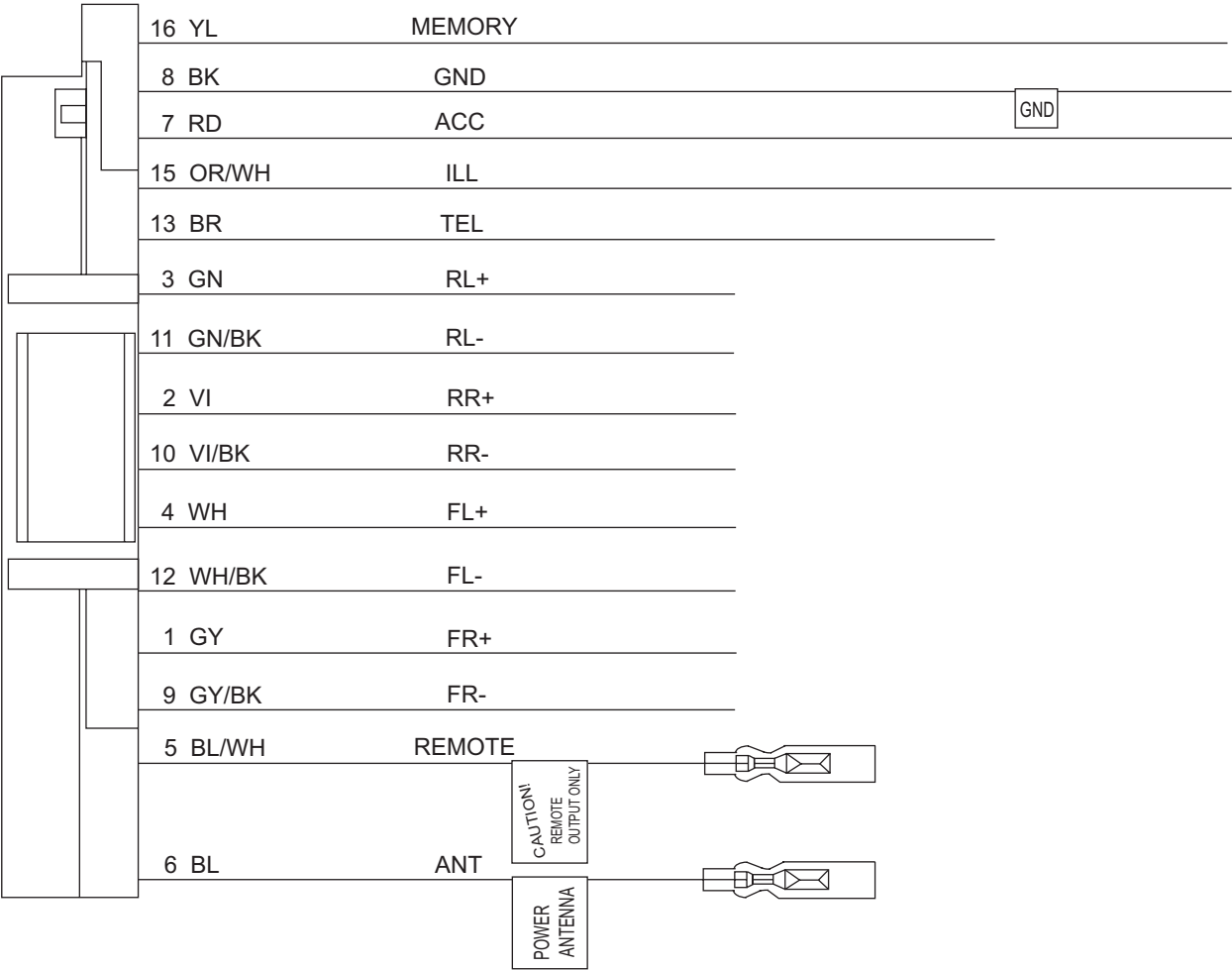
5.7 Replacement of laser pickup



5.8 16 PIN CORD DIAGRAM

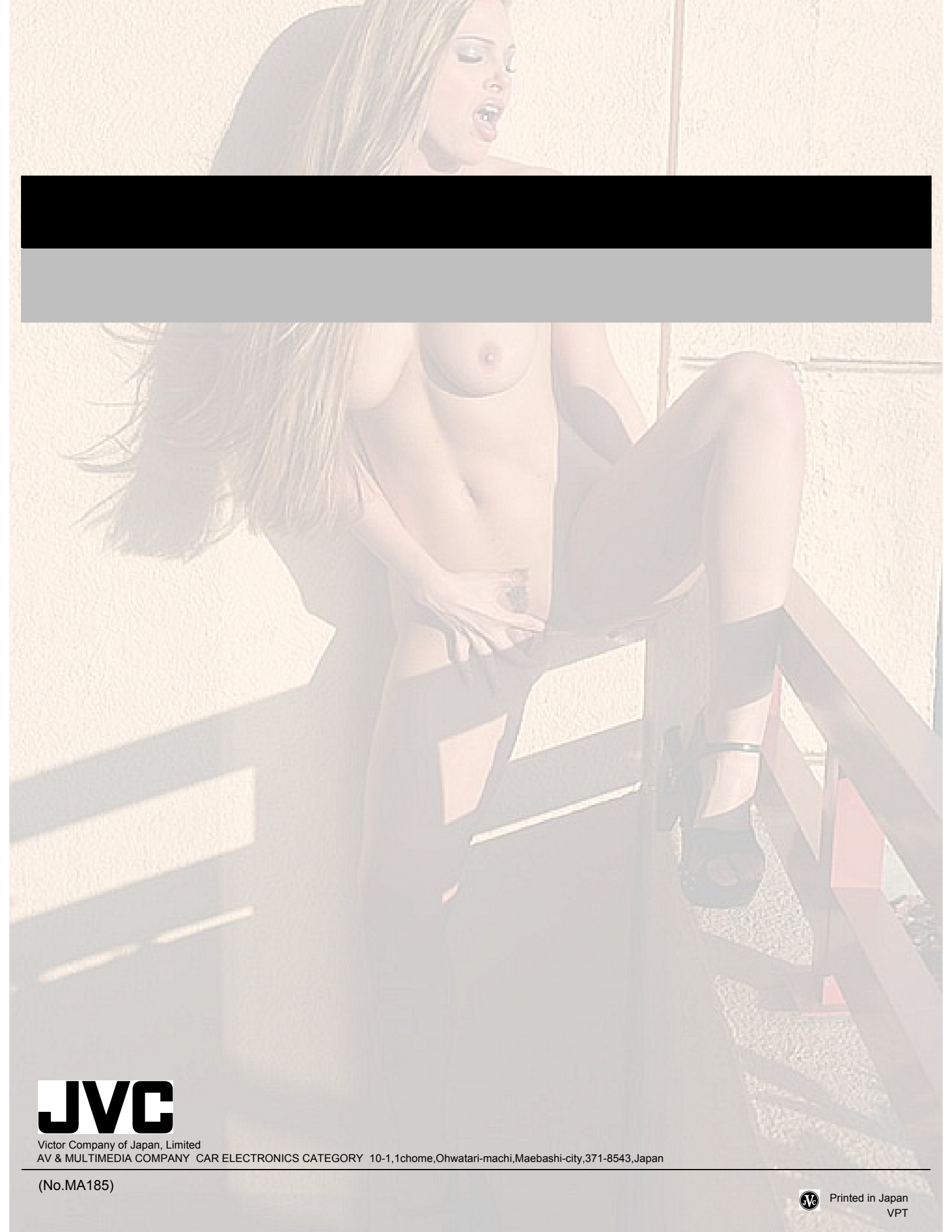


BK	Black	GN	Green
RD	Red	VI	Violet
BL	Blue	GY	Gray
WH	White	YL	Yellow
BR	Brown	OR	Orange



RR	Rear Right	ANT	Auto Antenna
FR	Front Right	ACC	ACC Line
FL	Front Left	ILL	Illuminations Control
RL	Rear Left	GND	Ground
REMOTE	Remote out	MEMORY	Memory Backup Battery+
TEL	Telephone muting		





Victor Company of Japan, Limited

AV & MULTIMEDIA COMPANY CAR ELECTRONICS CATEGORY 10-1,1chome,Ohwatari-machi,Maebashi-city,371-8543,Japan

(No.MA185)

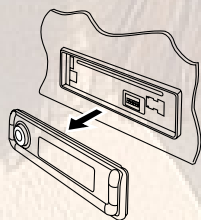
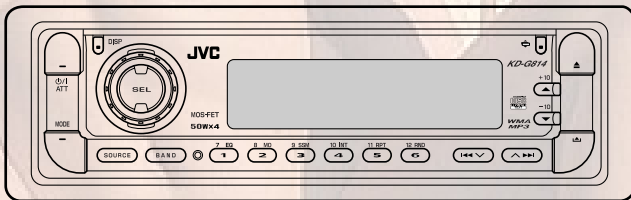
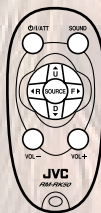


Printed in Japan
VPT

JVC

CD RECEIVER

KD-G814



WMA MP3



For canceling the display demonstration, see page 8.

For installation and connections, refer to the separate manual.

INSTRUCTIONS

GET0306-001A
[U]

Thank you for purchasing a JVC product.

Please read all instructions carefully before operation, to ensure your complete understanding and to obtain the best possible performance from the unit.

IMPORTANT FOR LASER PRODUCTS

1. CLASS 1 LASER PRODUCT
2. **CAUTION:** Do not open the top cover. There are no user serviceable parts inside the unit; leave all servicing to qualified service personnel.
3. **CAUTION:** Visible and invisible laser radiation when open and interlock failed or defeated. Avoid direct exposure to beam.
4. REPRODUCTION OF LABEL: CAUTION LABEL, PLACED OUTSIDE THE UNIT.

CAUTION : Visible and invisible laser radiation when open and interlock failed or defeated. AVOID DIRECT EXPOSURE TO BEAM. (e)	ADVARSEL : Synlig og usynlig laserstråling når maskinen er åben eller interlocken fejler. Undgå direkte eksponering til stråling. (d)	WARNING : Synlig och osynlig laserstrålning när den öppnas och spärren är urkopplad. Beträkta ej strålen. (d)	VARO : Avtäckning och avspärrning kan ge synlig och osynlig laserstrålning. Undgå direkt exponering för strålen. Vältä säteeseen kohdistumista suoraan itsestä. (f)
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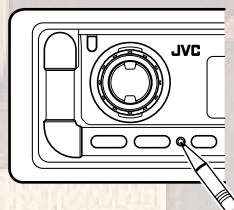
Warning:

If you need to operate the receiver while driving, be sure to look ahead carefully or you may be involved in a traffic accident.

Caution on volume setting:

Discs produce very little noise compared with other sources. Lower the volume before playing a disc to avoid damaging the speakers by the sudden increase of the output level.

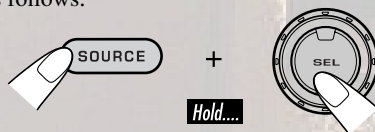
How to reset your unit



This will reset the microcomputer. Your preset adjustments will also be erased.

How to forcibly eject a disc

If a disc cannot be recognized by the receiver or cannot be ejected, eject the disc as follows.



If this does not work, reset your receiver.

Contents

How to reset your unit	2	Sound adjustments	17
How to forcibly eject a disc	2	Selecting preset sound modes	
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Main elements and features	6	Other main functions	22
Getting started	7	Assigning titles to the sources	22
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Playing discs in the CD changer	12		
Other main functions	14		
Changing the display information	15		
Selecting the playback modes.....	16		

***For safety....**

- Do not raise the volume level too much, as this will block outside sounds, making driving dangerous.
- Stop the car before performing any complicated operations.



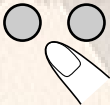
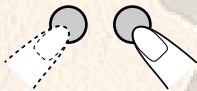

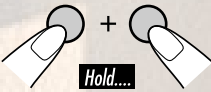
***Temperature inside the car....**

If you have parked the car for a long time in hot or cold weather, wait until the temperature in the car becomes normal before operating the unit.

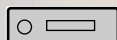
How to read this manual

The following methods are used to make the explanations simple and easy-to-understand:

- Some related tips and notes are explained in “More about this receiver” (see pages 26 and 27).
- Button operations are mainly explained with the illustrations as follows:

	Press briefly.
	Press repeatedly.
	Press either one.
	
	Press and hold until your desired response begins.
	Press and hold both buttons at the same time.

The following marks are used to indicate...



: Built-in CD player operations.

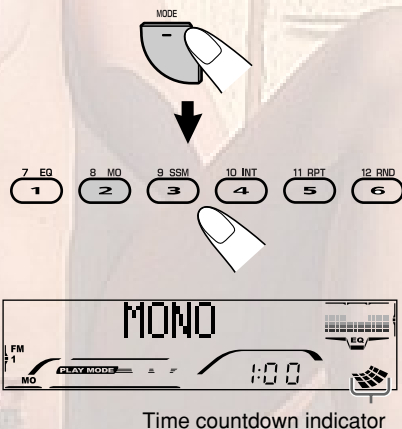


: External CD changer operations.

How to use the MODE button

If you press MODE, the receiver goes into functions mode, then the number buttons and ▲/▼ buttons work as different function buttons.

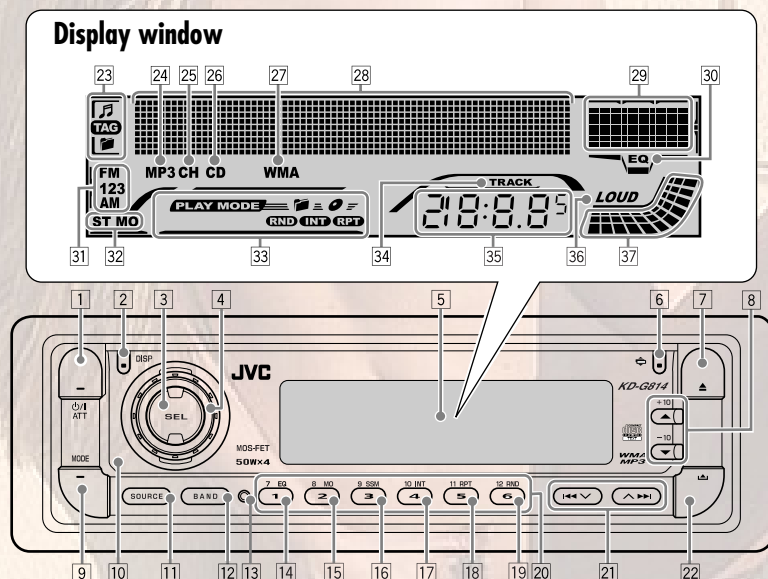
Ex.: When number button 2 works as MO (monaural) button.



To use these buttons for original functions again after pressing MODE, wait for 5 seconds without pressing any of these buttons until the functions mode is cleared.

- Pressing MODE again also clears the functions mode.

Parts identification



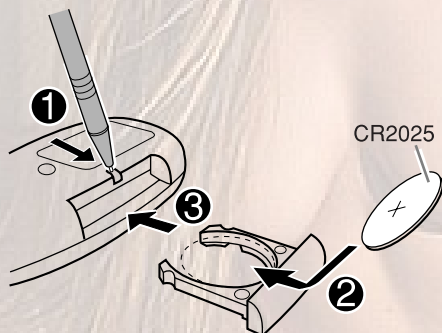
- 1 ϕ /I ATT (standby/on attenuator) button
- 2 DISP (display) button
- 3 SEL (select) button
- 4 Control dial
- 5 Display window
- 6 \angle (angle) button
- 7 \blacktriangle (eject) button
- 8 \blacktriangle (up) button / +10 button
- 9 MODE button
- 10 Remote sensor
 - DO NOT expose the remote sensor to strong light (direct sunlight or artificial lighting).
- 11 SOURCE button
- 12 BAND button
- 13 Reset button
- 14 EQ (equalizer) button
- 15 MO (monaural) button
- 16 SSM (Strong-station Sequential Memory) button
- 17 INT (intro) button
- 18 RPT (repeat) button
- 19 RND (random) button
- 20 Number buttons
- 21 $\llcorner \searrow \nearrow \gg$ buttons
- 22 \blacktriangle (control panel release) button

Display window

- 23 Disc information indicators—TAG (ID3 Tag), \square (track/file), \square (folder)
- 24 MP3 indicator
- 25 CH (CD changer) indicator
 - Lights up only when CD-CH is selected for the playback source.
- 26 CD indicator
- 27 WMA indicator
- 28 Main display
- 29 Equalizer pattern indicator
- 30 EQ (equalizer) indicator
- 31 Band indicators—FM1, FM2, FM3, AM
- 32 Tuner reception indicators—ST (stereo), MO (monaural)
- 33 Playback mode / item indicators— \square (folder), \circ (disc), RND (random), INT (intro), RPT (repeat)
- 34 TRACK indicator
- 35 Source / clock display
- 36 LOUD (loudness) indicator
- 37 Audio / volume level indicator

Remote controller — RM-RK50

Installing the lithium coin battery (CR2025)

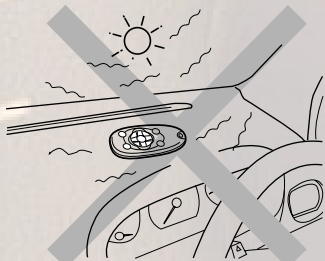


- When operating, aim the remote controller directly at the remote sensor on the receiver. Make sure there is no obstacle in between.

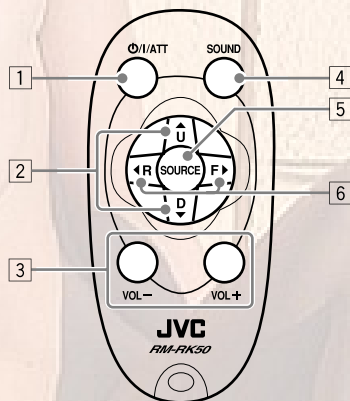
Warning:

- Store the battery in a place where children cannot reach to avoid risk of accident.
- To prevent the battery from over-heating, cracking, or starting a fire:
 - Do not recharge, short, disassemble, or heat the battery or dispose of it in a fire.
 - Do not leave the battery with other metallic materials.
 - Do not poke the battery with tweezers or similar tools.
 - Wrap the battery with tape and insulate when throwing away or saving it.

Caution:



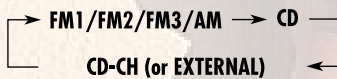
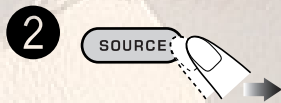
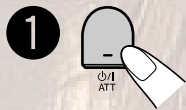
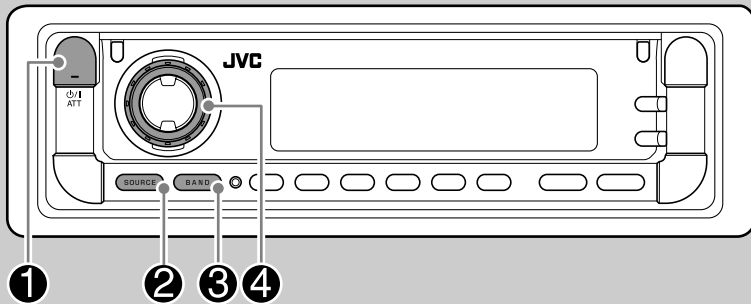
Main elements and features



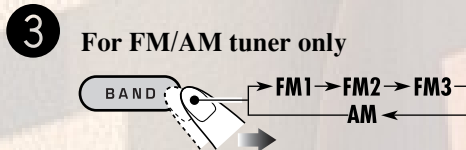
- 1 Φ /I/ATT (standby/on/attenuator) button
 - Turns on and off the power and also attenuates the sound.
- 2 \blacktriangle U (up) / D (down) \blacktriangledown buttons
 - \blacktriangle U: Changes the FM/AM bands.
 - D \blacktriangledown : Changes the preset stations.
 - Changes the folder of the MP3/WMA discs.
 - While playing an MP3 disc on an MP3-compatible CD changer:
 - Changes the disc if pressed briefly.
 - Changes the folder if pressed and held.
- 3 VOL – / VOL + buttons
 - Adjusts the volume level.
- 4 SOUND button
 - Selects the sound mode (iEQ: intelligent equalizer).
- 5 SOURCE button
 - Selects the source.
- 6 \blacktriangleleft R (reverse) / F (forward) \blacktriangleright buttons
 - Searches for stations if pressed briefly.
 - Fast-forwards or reverses the track if pressed and held.
 - Changes the tracks of the disc.

Getting started

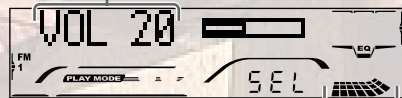
Basic operations



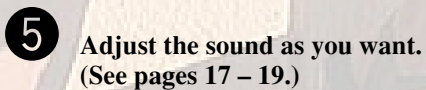
You cannot select some sources if they are not ready.



Volume level appears.



Volume level indicator

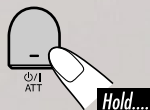


To drop the volume in a moment (ATT)



To restore the sound,
press it again.

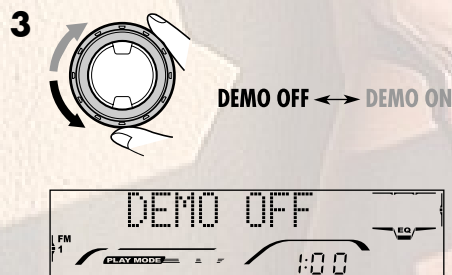
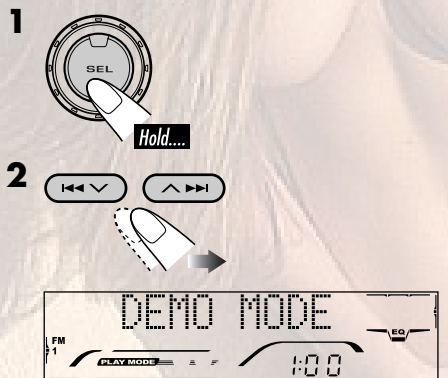
To turn off the power



Canceling the display demonstrations

If no operations are done for about 20 seconds, display demonstration starts.

[Initial: DEMO ON]—see page 20.



4 Finish the procedure.



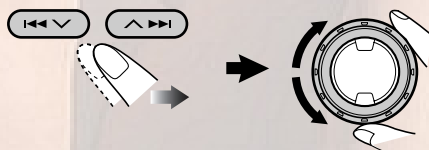
To activate the display demonstration

In step **3** above...



Setting the clock

- 1**
-
- 2** Set the hour and minute.
- 1** Select “CLOCK HOUR,” then adjust the hour.
 - 2** Select “CLOCK MINUTE,” then adjust the minute.



3 Finish the procedure.

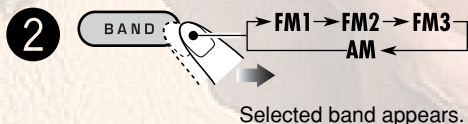
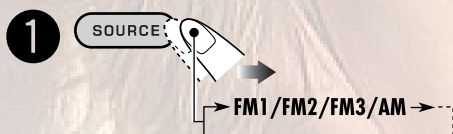
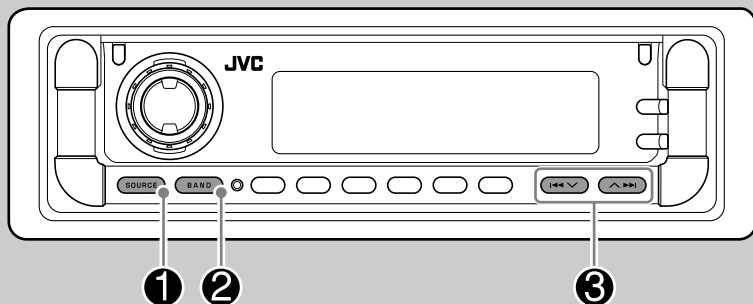


To check the current clock time when the power is turned off



Radio operations

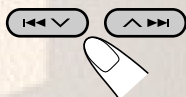
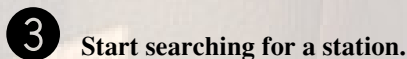
Listening to the radio



Selected band appears.



Lights up when receiving an FM stereo broadcast with sufficient signal strength.

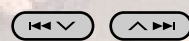
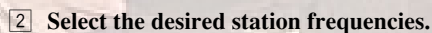


When a station is received, searching stops.

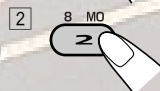
To stop searching, press the same button again.

To tune in to a station manually

In step **3** on the left...



When an FM stereo broadcast is hard to receive



Lights up when monaural mode is activated.

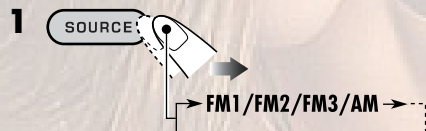
Reception improves, but stereo effect will be lost.

To restore the stereo effect, repeat the same procedure so that the MO indicator goes off.

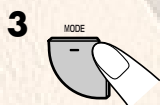
Storing stations in memory

You can preset six stations for each band.

FM station automatic presetting—SSM (Strong-station Sequential Memory)



2 Select the FM band (FM1 – FM3) you want to store into.

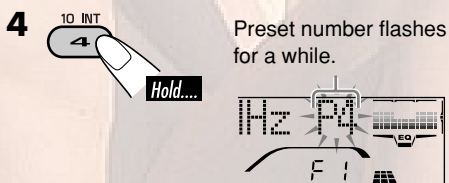
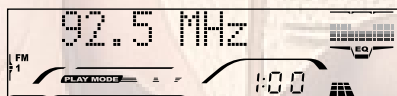
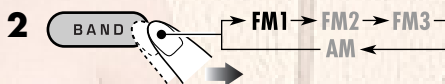
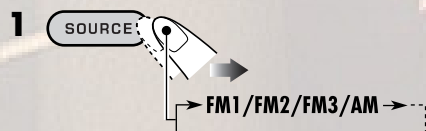


“SSM” appears, then disappears when automatic presetting is over.

Local FM stations with the strongest signals are searched and stored automatically in the FM band.

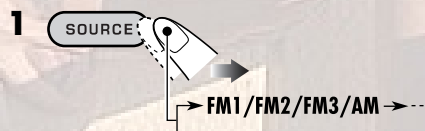
Manual presetting

Ex.: Storing FM station of 92.5 MHz into the preset number 4 of the FM1 band.

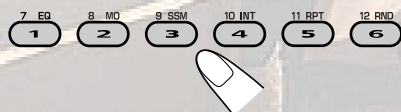


Preset number flashes for a while.

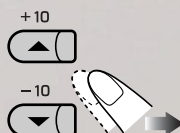
Listening to a preset station



3 Select the preset station (1 – 6) you want.

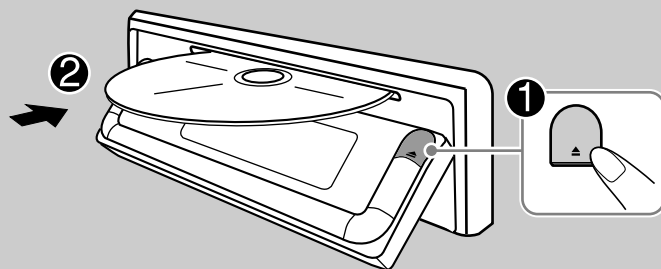


or



Disc operations

Playing a disc in the receiver



All tracks will be played repeatedly until you change the source or eject the disc.

About MP3 and WMA discs

MP3 and WMA (Windows Media® Audio) “tracks” (words “file” and “track” are used interchangeably) are recorded in “folders.”

- When inserting an audio CD or a CD Text disc:

Total playing time Total track number
of the inserted disc of the inserted disc



CD Text: Disc title/performer →
Track title appears automatically
(see page 15).

Elapsed playing time Current track number



To stop play and eject the disc



The receiver draws the disc, then the control panel goes back to previous position (see page 23).

- When inserting an MP3 or a WMA disc:



Total folder number Total file number



Disc information appears automatically (see page 15).

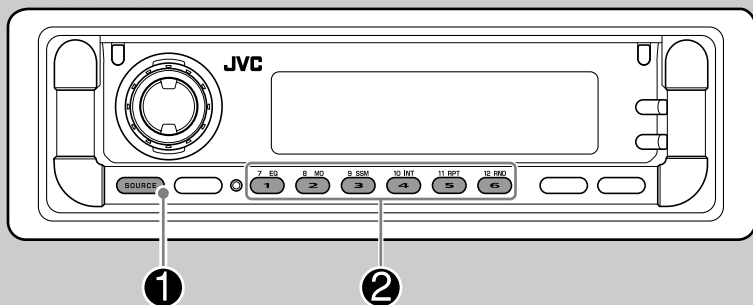
Elapsed playing time Current track number



Selected folder number

* Either the MP3 or WMA indicator lights up depending on the detected file.

Playing discs in the CD changer



About the CD changer

It is recommended to use the JVC MP3-compatible CD changer with your receiver.

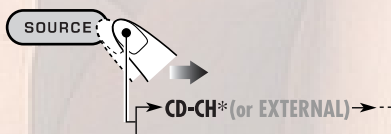
- You can also connect other CH-X series CD changers (except CH-X99 and CH-X100). However, they are not compatible with MP3 discs, so you cannot play back MP3 discs.
- You cannot use the KD-MK series CD changers with this receiver.
- Disc text information recorded in the CD Text can be displayed when a JVC CD Text compatible CD changer is connected.

Before operating your CD changer:

- Refer also to the Instructions supplied with your CD changer.
- You cannot control and play any WMA disc in the CD changer.

All tracks of the inserted discs in the magazine will be played repeatedly until you change the source or eject the magazine from the CD changer.

1



* If you have changed "EXTERNAL IN" setting to "EXTERNAL IN" (see page 21), you cannot select the CD changer.

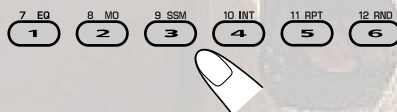


Selected disc number

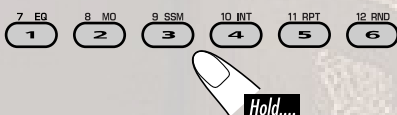
2

Select a disc.

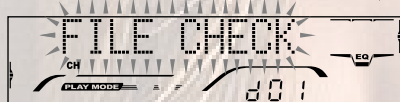
For disc number from 01 – 06:



For disc number from 07 – 12:



- When the current disc is an MP3 disc:



Folder name*



Selected folder number

Disc information appears automatically (see page 15).

Elapsed playing time Current track number

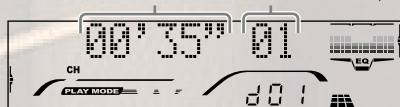


- * "ROOT" appears if no folder is included in the disc.

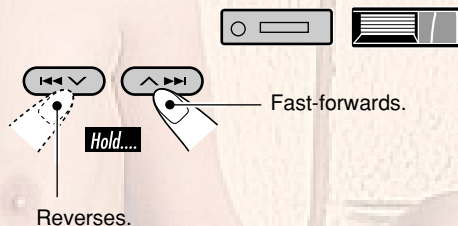
- When the current disc is an audio CD or a CD Text disc:

CD Text: Disc title/performer →
Track title appears automatically
(see page 15).

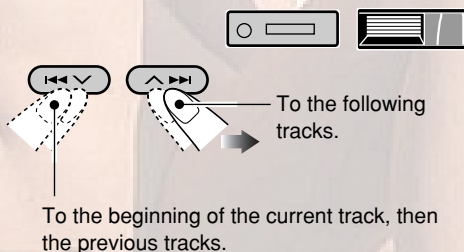
Elapsed playing time Current track number



To fast-forward or reverse the track



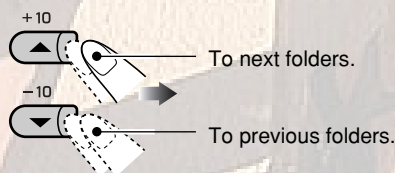
To go to the next or previous tracks



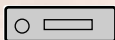
To go to the next or previous folders (only for MP3 and WMA discs)

For MP3 discs:

For WMA discs:



To locate a particular track (for CD) or folder (for MP3 or WMA discs) directly



To select a number from 01 – 06:



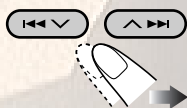
To select a number from 07 – 12:



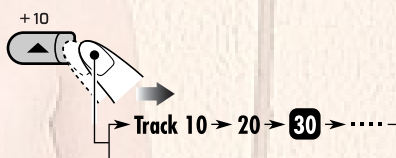
Hold....

- To use folder search on MP3/WMA discs, it is required that folders are assigned with 2-digit numbers at the beginning of their folder names—01, 02, 03, and so on.

- To select a particular track in a folder (for MP3 or WMA disc) after selecting a folder:



2

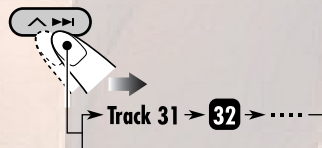


First time you press +10 or –10 button, the track skips to the nearest higher or lower track with a track number of multiple ten (ex. 10th, 20th, 30th).

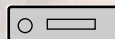
Then each time you press the button, you can skip 10 tracks.

- After the last track, the first track will be selected and vice versa.

3



Prohibiting disc ejection



You can lock a disc in the loading slot.



To cancel the prohibition, repeat the same procedure.



Other main functions

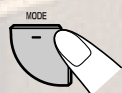
Skiping a track quickly during play



- For MP3 or WMA disc, you can skip a track within the same folder.

Ex.: To select track 32 while playing track 6

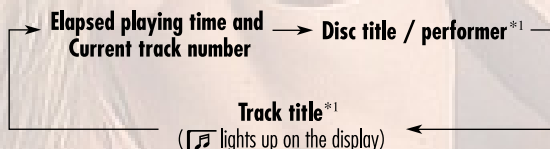
1



Changing the display information



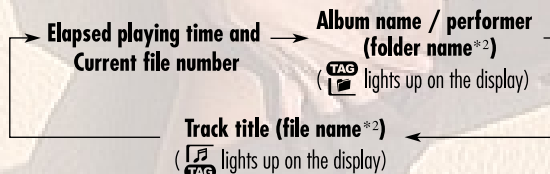
■ While playing an audio CD or a CD Text (/)



*1 If no title is assigned to an audio CD, "NO NAME" appears. To assign a title to an audio CD, see page 22.

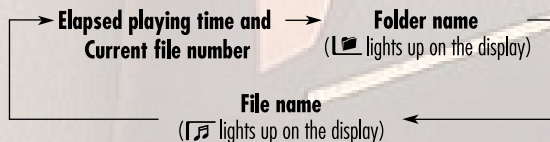
■ While playing an MP3 (/) or WMA () disc

- When "TAG DISPLAY" is set to "TAG DISP ON" (see page 21)



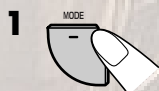
*2 If an MP3/WMA file does not have ID3 tags, folder name and file name appear. In this case, the TAG indicator will not light up.

- When "TAG DISPLAY" is set to "TAG DISP OFF"



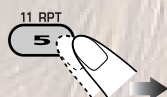
Selecting the playback modes

You can use only one of the following playback modes at a time.



2 Select your desired playback mode.

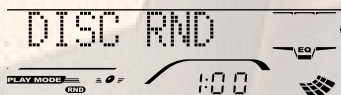
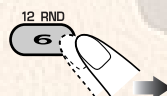
Repeat play



Ex.: When "TRK RPT" is selected while playing an MP3 disc in the receiver

Mode	Plays repeatedly
TRK RPT	: The current track. • RPT lights up.
FLDR RPT*1	: All tracks of the current folder. • and RPT light up.
DISC RPT*2	: All tracks of the current disc. • and RPT light up.
RPT OFF	: Cancels.

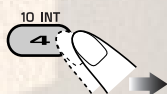
Random play



Ex.: When "DISC RND" is selected while playing an MP3 disc in the receiver

Mode	Plays at random
FLDR RND*1	: All tracks of the current folder, then tracks of the next folder and so on. • and RND light up.
DISC RND	: All tracks of the current disc. • and RND light up.
MAG RND*2	: All tracks of the inserted discs. • RND lights up.
RND OFF	: Cancels.

Intro scan



Ex.: When "TRK INT" is selected while playing an MP3 disc in the receiver

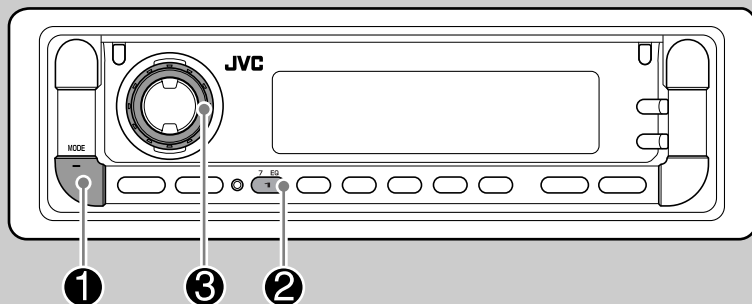
Mode	Plays the beginning 15 seconds of...
TRK INT	: All tracks of the current disc. • INT lights up.
FLDR INT*1	: The first track of every folder of the current disc. • and INT light up.
DISC INT*2	: The first tracks of the inserted discs. • and INT light up.
INT OFF	: Cancels.

*1 Only while playing an MP3 (/) or WMA () disc.

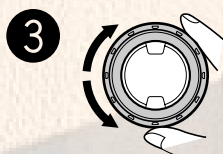
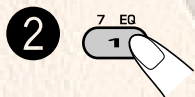
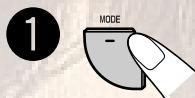
*2 Only while playing discs in the CD changer ().

Sound adjustments

Selecting preset sound modes (iEQ: intelligent equalizer)



You can select a preset sound mode suitable to the music genre.



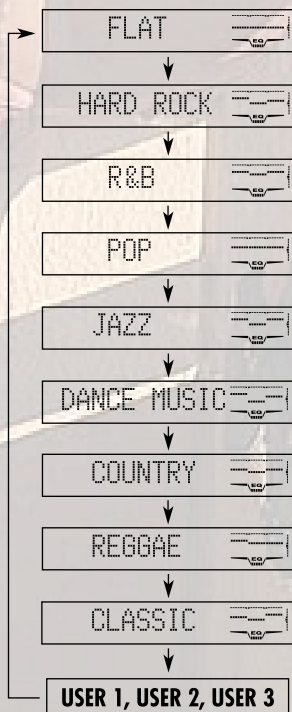
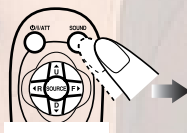
FLAT (no sound mode is applied) ⇄
HARD ROCK ⇄ **R&B** ⇄ **POP** ⇄
JAZZ ⇄ **DANCE MUSIC** ⇄
COUNTRY ⇄ **REGGAE** ⇄
CLASSIC ⇄ **USER 1** ⇄ **USER 2** ⇄
USER 3 ⇄ (back to the beginning)

Indication pattern changes
for each sound mode.



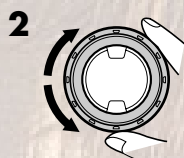
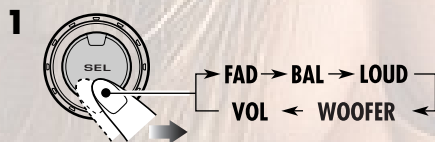
Ex.: When "HARD ROCK" is selected

To select the sound mode directly

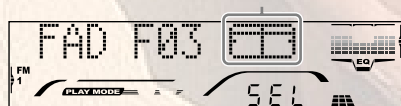


Adjusting the sound

You can adjust the sound characteristics to your preference.



Indication pattern changes as you adjust the fader or balance.



Ex.: When "FAD" is selected

Indication	To do:	Range
FAD* ¹ (fader)	Adjust the front and rear speaker balance.	R06 (Rear only) to F06 (Front only)
BAL (balance)	Adjust the left and right speaker balance.	L06 (Left only) to R06 (Right only)
LOUD (loudness)	Boost low and high frequencies to produce a well-balanced sound at low volume level.	LOUD ON ↑ LOUD OFF
WOOFER* ²	Adjust the subwoofer output level.	00 (min.) to 08 (max.)
VOL* ³ (volume)	Adjust the volume.	00 (min.) to 30 or 50 (max.)* ⁴

*¹ If you are using a two-speaker system, set the fader level to "00."

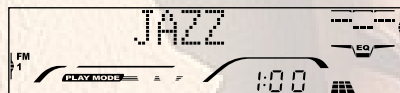
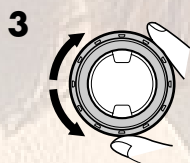
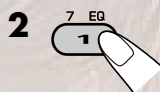
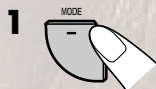
*² This takes effect only when a subwoofer is connected.

*³ Normally the control dial works as the volume control. So you do not have to select "VOL" to adjust the volume level.

*⁴ Depending on the amplifier gain control setting. (See page 21 for details.)

Storing your own sound adjustments

You can adjust the sound modes and store your own adjustments in memory.



Ex.: When "JAZZ" is selected

4 Select the sound elements to adjust.



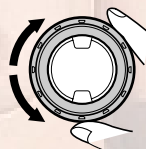
LOW LEVEL* → LOW FREQ →
 LOW WIDTH → MID LEVEL* →
 MID WIDTH → HI (high) LEVEL* →
 HI (high) FREQ → (back to the beginning)

- **LEVEL (LOW, MID, HI):**
Adjust the enhancement level.
- **FREQ (LOW, HI):**
Select the center frequency to adjust.
- **WIDTH (LOW, MID):**
Select the band width level.

* By pressing ◀◀▼ or ▲▶▶, you can directly move as follows:



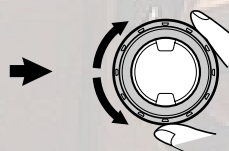
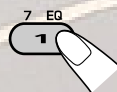
5 Adjust the selected sound elements.



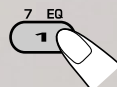
Indication	Preset values		
	LOW	MID	HI
LEVEL	-06 (min.) to +06 (max.)	-06 (min.) to +06 (max.)	-06 (min.) to +06 (max.)
FREQ	60Hz 80Hz 100Hz 120Hz	—	8kHz 10kHz 12kHz 15kHz
WIDTH	1 (min.) to 4 (max.)	1 (min.) to 2 (max.)	—

6 Repeat steps 4 and 5 to set (or adjust) the other sound elements.

7 Select one of the user sound modes (USER 1, USER 2, USER 3).



8 Store the adjustments.



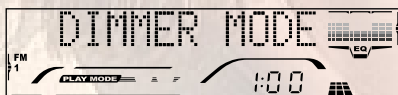
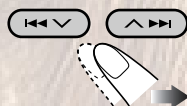
General settings — PSM

Basic procedure

You can change PSM (Preferred Setting Mode) items listed in the table that follows.

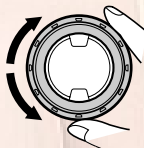


2 Select a PSM item.



Ex.: When "DIMMER MODE" is selected

3 Adjust the PSM item selected.



4 Repeat steps **2** and **3** to adjust the other PSM items if necessary.

5 Finish the procedure.



Indications	Selectable settings, [reference page]
DEMO MODE Display demonstration	DEMO ON : [Initial]; Display demonstration will be activated automatically if no operation is done for about 20 seconds, [8]. DEMO OFF : Cancels.
CLOCK HOUR Hour adjustment	1 – 12, [8] [Initial: 1 (1:00)]
CLOCK MINUTE Minute adjustment	00 – 59, [8] [Initial: 00 (1:00)]
CLOCK DISP Clock display	CLK DISP ON : [Initial]; Clock display is shown on the lower part of the display. CLK DISP OFF : Current source indication (ex. station band, disc number, etc.) is shown on the lower part of the display. • Press DISP repeatedly to show the other information for about 5 seconds.
LEVELMETER Audio/volume level meter	LEVEL 1 [Initial]/ LEVEL 2 : Display the audio level meter with different illumination pattern. EQ & LEVEL : Display the equalizer pattern and the audio level meter. SILENT : Display the equalizer pattern and volume level meter.

Indications	Selectable settings, [reference page]	
DIMMER MODE Dimmer	DIMMER AUTO	: [Initial]; Dims the display when you turn on the headlights.
	DIMMER ON	: Activates dimmer.
	DIMMER OFF	: Cancels.
TELEPHONE Telephone muting	MUTING 1/MUTING 2	: Select either one which mutes the sounds while using the cellular phone.
	• If CD or CD changer is selected as the source, playback pauses during telephone muting.	
	MUTING OFF	: [Initial]; Cancels.
BEEP SWITCH Key-touch tone	BEEP ON	: [Initial]; Activates the key-touch tone.
	BEEP OFF	: Deactivates the key-touch tone.
CONTRAST Display contrast	01 – 10	: Adjust the display contrast to make the display indications clear and legible. [Initial: 08]
SCROLL MODE *1 Scroll	SCROLL ONCE	: [Initial]; Scrolls the disc information once.
	SCROLL AUTO	: Repeats scrolling (5-second intervals in between).
	SCROLL OFF	: Cancels.
	• Pressing DISP for more than one second can scroll the display regardless of the setting.	
WOOFER FREQ Subwoofer cutoff frequency	FREQ 55 Hz	: Frequencies lower than 55 Hz are sent to the subwoofer.
	FREQ 85 Hz	: [Initial]; Frequencies lower than 85 Hz are sent to the subwoofer.
	FREQ 115 Hz	: Frequencies lower than 115 Hz are sent to the subwoofer.
EXTERNAL IN *2 External input	CHANGER	: [Initial]; To use a JVC CD changer, [12].
	EXTERNAL IN	: To use another external component, [24].
TAG DISPLAY Tag display	TAG DISP ON	: [Initial]; Shows the ID3 tag while playing MP3/WMA tracks, [15].
	TAG DISP OFF	: Cancels.
AMP.GAIN Amplifier gain control	You can change the maximum volume level of this receiver.	
	LOW POWER	: VOL 00 – VOL 30 (Select this if the maximum power of the speaker is less than 50 W to prevent them from damaging the speaker.)
	HIGH POWER	: [Initial]; VOL 00 – VOL 50

*1 Some characters or symbols will not be shown (and will be blanked) or substituted on the display.

*2 Displayed only when one of the following sources is selected—FM, AM, or CD.

Other main functions

Assigning titles to the sources

You can assign titles to station frequencies and CDs (both in this receiver and in the CD changer).

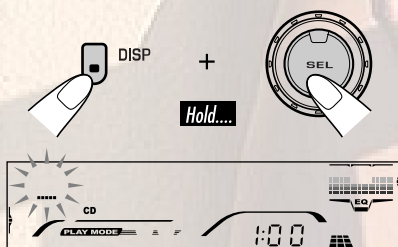
Sources	Maximum number of characters
Station frequencies	Up to 9 characters (up to 30 station frequencies including both FM and AM)
CDs/CD-CH*	Up to 32 characters (up to 30 discs)

* You cannot assign a title to a CD Text or an MP3/WMA disc.

1 Select the sources.

- For FM/AM tuner: Select a station.
- For a CD in this receiver: Insert a CD.
- For CDs in the CD changer: Select “CD-CH,” then select a disc number.

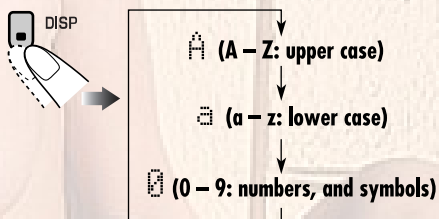
2 Enter the title assignment mode.



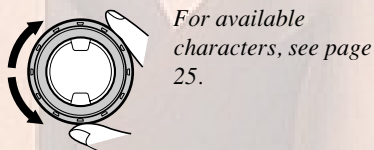
Ex.: When you assign a title to a CD

3 Assign a title.

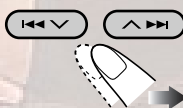
1 Select a character set.



2 Select a character.



3 Move to the next (or previous) character position.



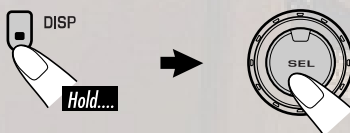
4 Repeat steps 1 to 3 until you finish entering the title.

4 Finish the procedure.



To erase the entire title

In step 2 on the left...

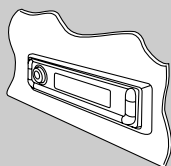


Changing the control panel angle

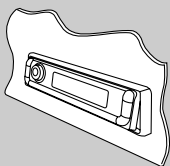


The control panel changes its angle as follows:

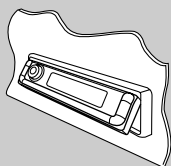
ANGLE 01



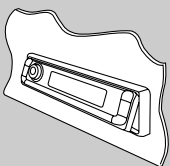
ANGLE 02



ANGLE 04

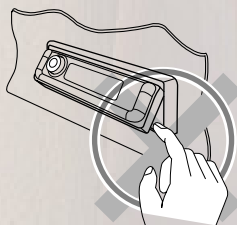


ANGLE 03



Caution:

Do not insert your finger behind the control panel.

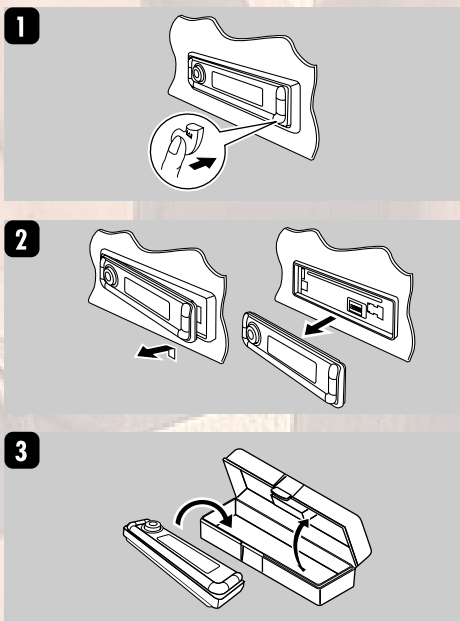


Detaching the control panel

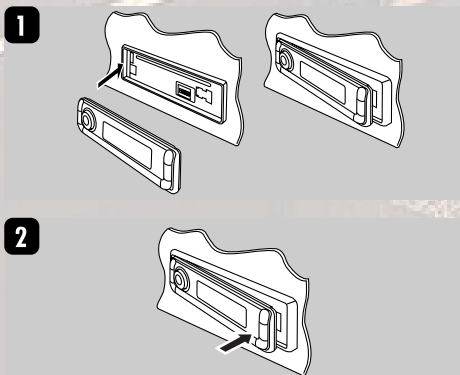
When detaching or attaching the control panel, be careful not to damage the connectors on the back of the control panel and on the panel holder.

■ Detaching the control panel

Before detaching the control panel, be sure to turn off the power.

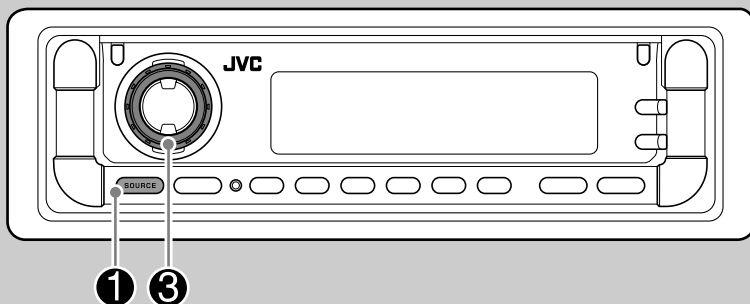


■ Attaching the control panel



External component operations

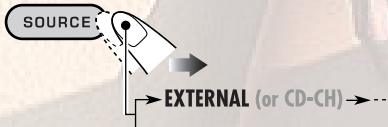
Playing an external component



You can connect an external component to the CD changer jack on the rear using the Line Input Adapter KS-U57 (not supplied). Before operating the external component, select the external input correctly (see page 21).

- For connection, see Installation/Connection Manual (separate volume).

1



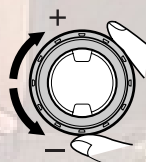
- If “EXTERNAL” does not appear, see page 21 and select the external input (EXTERNAL IN).

2

Turn on the connected component and start playing the source.

3

Adjust the volume.



4

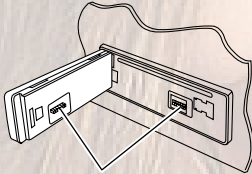
**Adjust the sound as you want.
(See pages 17 – 19.)**

Maintenance

How to clean the connectors

Frequent detachment will deteriorate the connectors.

To minimize this possibility, periodically wipe the connectors with a cotton swab or cloth moistened with alcohol, being careful not to damage the connectors.



Connector

Moisture condensation

Moisture may condense on the lens inside the CD player in the following cases:

- After starting the heater in the car.
- If it becomes very humid inside the car.

Should this occur, the CD player may malfunction. In this case, eject the disc and leave the receiver turned on for a few hours until the moisture evaporates.

How to handle discs

When removing a disc from its case, press down the center holder of the case and lift the disc out, holding it by the edges.

Center holder



- Always hold the disc by the edges. Do not touch its recording surface.

When storing a disc into its case, gently insert the disc around the center holder (with the printed surface facing up).

- Make sure to store discs into the cases after use.

To keep discs clean

A dirty disc may not play correctly. If a disc does become dirty, wipe it with a soft cloth in a straight line from center to edge.



- Do not use any solvent (for example, conventional record cleaner, spray, thinner, benzine, etc.) to clean discs.

To play new discs

New discs may have some rough spots around the inner and outer edges. If such a disc is used, this receiver may reject the disc.



To remove these rough spots, rub the edges with a pencil or ball-point pen, etc.

Available character

Upper case

A	B	C	D	E	F	G	H	I	J	K	L	M	N
O	P	Q	R	S	T	U	V	W	X	Y	Z	space	

Lower case

a	b	c	d	e	f	g	h	i	j	k	l	m	n
o	p	q	r	s	t	u	v	w	x	y	z	space	

Numbers and symbols

0	1	2	3	4	5	6	7	8	9	!	"	#	\$
%	&	'	()	*	+	,	-	.	/	:	;	<
=	>	?	@	_	`	space							

Do not use the following discs:

Warped disc



Sticker



Sticker residue

Disc



Stick-on label

More about this receiver

Basic operations

Turning on the power

- By pressing SOURCE on the receiver, you can also turn on the power.

Turning off the power

- If you turn off the power while listening to a disc, disc play will start from where playback has been stopped previously, next time you turn on the power.

Selecting the sources

- When no disc is loaded in the receiver, “CD” cannot be selected.
- Without connecting to the CD changer, “CD-CH” cannot be selected.

Tuner operations

Storing stations in memory

- During SSM search...
 - All previously stored stations are erased and stations are stored newly.
 - Received stations are preset in No. 1 (lowest frequency) to No. 6 (highest frequency).
 - When SSM is over, the station stored in No. 1 will be automatically tuned in.
- When storing a station manually, a previously preset station is erased when a new station is stored in the same preset number.

Disc operations

Caution for DualDisc playback

- The Non-DVD side of a “DualDisc” does not comply with the “Compact Disc Digital Audio” standard. Therefore, the use of Non-DVD side of a DualDisc on this product may not be recommended.

General

- This receiver has been designed to reproduce CDs/CD Texts, and CD-Rs (Recordable)/CD-RWs (Rewritable) in audio CD (CD-DA), MP3 and WMA format.
- When a disc has been loaded, selecting “CD” for the playback source starts disc play.

Inserting a disc

- When a disc is inserted upside down, the control panel moves down, and the disc automatically ejects from the loading slot.
- If you keep the control panel open for about 1 minute, (beep sound when the “BEEP SWITCH” setting is turned “BEEP ON”—see page 21) the control panel returns to its previous position.
- Do not insert 8 cm discs (single CD) and unusual shape discs (heart, flower, etc.) into the loading slot.

Playing a disc

- While playing an audio CD: If a title has been assigned to the audio CD (see page 22), it will be shown on the display.
- While fast-forwarding or reversing on an MP3 or WMA disc, you can only hear intermittent sounds.

Playing a CD-R or CD-RW

- Use only “finalized” CD-Rs or CD-RWs.
- This receiver can play back only the files of the same type which is first detected if a disc includes both audio CD (CD-DA) files and MP3/WMA files.
- This receiver can play back multi-session discs; however, unclosed sessions will be skipped while playing.
- Some CD-Rs or CD-RWs may not play back on this receiver because of their disc characteristics, and for the following causes:
 - Discs are dirty or scratched.
 - Moisture condensation occurs on the lens inside the receiver.
 - The pickup lens inside the receiver is dirty.
 - CD-R/CD-RW on which the files are written with “Packet Write” method.
 - There are improper recording conditions (missing data, etc.) or media conditions (stain, scratch, warp, etc.).
- CD-RWs may require a longer readout time since the reflectance of CD-RWs is lower than that of regular CDs.
- Do not use the following CD-Rs or CD-RWs:
 - Discs with stickers, labels, or protective seal stuck to the surface.

- Discs on which labels can be directly printed by an ink jet printer.
- Using these discs under high temperatures or high humidity may cause malfunctions or damage to discs.

Playing an MP3/WMA disc

- This receiver can play back MP3/WMA files with the extension code <.mp3> or <.wma> (regardless of the letter case—upper/lower).
 - This receiver can show the names of albums, artists (performer), and ID3 Tag (Version 1.0, 1.1, 2.2, 2.3, or 2.4) for MP3 files and for WMA files.
 - This receiver can display only one-byte characters. No other characters can be correctly displayed (see page 25).
 - This receiver can play back MP3/WMA files meeting the conditions below:
 - Bit rate: 8 kbps — 320 kbps
 - Sampling frequency:
 - 48 kHz, 44.1 kHz, 32 kHz (for MPEG-1)
 - 24 kHz, 22.05 kHz, 16 kHz (for MPEG-2)
 - 48 kHz, 44.1 kHz, 32 kHz (for WMA)
 - Disc format: ISO 9660 Level 1/ Level 2, Romeo, Joliet, Windows long file name
 - The maximum number of characters for file/folder names vary among the disc format used (includes 4 extension characters—<.mp3> or <.wma>).
 - ISO 9660 Level 1: up to 12 characters
 - ISO 9660 Level 2: up to 31 characters
 - Romeo*: up to 128 (72) characters
 - Joliet*: up to 64 (36) characters
 - Windows long file name*: up to 128 (72) characters
- * The parenthetic figure is the maximum number of characters for file/folder names in case the total number of files and folders is 313 or more.*
- This receiver can recognize the total of 512 files, of 200 folders, and of 8 hierarchies.
 - This receiver can play back the files recorded in VBR (variable bit rate).
The files recorded in VBR have a discrepancy in elapsed time display, and do not show the actual elapsed time. Especially, after performing the search function, this difference becomes noticeable.

- This receiver cannot play back the following files:
 - MP3 files encoded with MP3i and MP3 PRO format.
 - MP3 files encoded in an unappropriated format.
 - WMA files encoded with Layer 1/2.
 - WMA files encoded with lossless, professional, and voice format.
 - WMA files which are not based upon Windows Media® Audio.
 - WMA files copy-protected with DRM.
 - Files which have the data such as WAVE, ATAC3, etc.
- The search function works but search speed is not constant.

Changing the source

- If you change the source, playback also stops (without ejecting the disc).
Next time you select “CD” or “CD-CH” for the playback source, disc play starts from where it has been stopped previously.

Ejecting a disc

- If the ejected disc is not removed within 15 seconds, the disc is automatically inserted again into the loading slot to prevent it from dust. (Disc will not play this time.)

General settings—PSM

- If you have change the “TAG DISPLAY” setting from “TAG DISP OFF” to “TAG DISP ON” while playing MP3/WMA file, the tag display will be activated when the next file starts playing.
- If you change the “AMP.GAIN” setting from “HIGH POWER” to “LOW POWER” while the volume level is set higher than “VOL 30,” the receiver automatically changes the volume level to “VOL 30.”

Other main functions

- If you try to assign a title to a 31st disc or to the 31st station frequency, “NAME FULL” appears. Delete unwanted titles before assignment.
- Titles assigned to discs in the CD changer can also be shown if you playback the disc from the receiver.
- The control panel moves to its previous angle each time you turn on the power.

Troubleshooting

What appears to be trouble is not always serious. Check the following points before calling a service center.

	Symptoms	Causes	Remedies
General	• Sound cannot be heard from the speakers.	The volume level is set to the minimum level.	Adjust it to the optimum level.
		Connections are incorrect.	Check the cords and connections.
	• The receiver does not work at all.	The built-in microcomputer may have functioned incorrectly due to noise, etc.	Reset the receiver (see page 2).
	• When “PUSH RESET” appears on the display.	There is something blocking the control panel movement.	Reset the receiver (see page 2).
FM/AM	• SSM automatic presetting does not work.	Signals are too weak.	Store stations manually.
	• Static noise while listening to the radio.	The antenna is not connected firmly.	Connect the antenna firmly.
Disc playback	• Disc cannot be played back.	Disc is inserted upside down.	Insert the disc correctly.
	• CD-R/CD-RW cannot be played back.	CD-R/CD-RW is not finalized.	• Insert a finalized CD-R/CD-RW.
	• Tracks on the CD-R/CD-RW cannot be skipped.		• Finalize the CD-R/CD-RW with the component which you used for recording.
	• Disc can be neither played back nor ejected.	Disc is locked.	Unlock the disc (see page 14).
		The CD player may have functioned incorrectly.	Eject the disc forcibly (see page 2).
	• Disc sound is sometimes interrupted.	You are driving on rough roads.	Stop playback while driving on rough roads.
		Disc is scratched.	Change the disc.
		Connections are incorrect.	Check the cords and connections.
	• “NO DISC” appears on the display.	Disc is inserted incorrectly.	Insert the disc correctly.

Symptoms	Causes	Remedies
<ul style="list-style-type: none"> Disc cannot be played back. Noise is generated. A longer readout time is required ("FILE CHECK" keeps flashing on the display). Tracks cannot be played back as you have intended them to play. Elapsed playing time is not correct. "NO FILES" appears on the display. Correct characters are not displayed (ex. album name). 	No MP3/WMA tracks are recorded on the disc.	Change the disc.
	MP3/WMA tracks do not have the extension code <.mp3> or <.wma> in their file names.	Add the extension code <.mp3> or <.wma> to their file names.
	MP3/WMA tracks are not recorded in the format compliant with ISO 9660 Level 1, Level 2, Romeo, or Joliet.	Change the disc. (Record MP3/WMA tracks using a compliant application.)
	The track played back is not an MP3/WMA file (although it has the extension code <.mp3> or <.wma>).	Skip to another track or change the disc. (Do not add the extension code <.mp3> or <.wma> to non-MP3 or WMA tracks.)
	Readout time varies due to the complexity of the folder/file configuration.	Do not use too many hierarchies and folders.
	Playback order is determined when the files are recorded.	_____
	This sometimes occurs during play. This is caused by how the tracks are recorded on the disc.	_____
	The current disc does not contain any MP3/WMA tracks.	Insert a disc that contains MP3/WMA tracks.
	This receiver can only display a limited number of special characters (see page 25).	_____

	Symptoms	Causes	Remedies
CD changer	<ul style="list-style-type: none"> • “NO DISC” appears on the display. 	No disc is in the magazine. Disc is inserted upside down.	Insert disc into the magazine. Insert disc correctly.
	<ul style="list-style-type: none"> • “NO MAG” appears on the display. 	No magazine is loaded in the CD changer.	Insert the magazine.
	<ul style="list-style-type: none"> • “RESET 8” appears on the display. 	This receiver is not connected to the CD changer correctly.	Connect this receiver and the CD changer correctly and press the reset button of the CD changer.
	<ul style="list-style-type: none"> • “RESET 1” – “RESET 7” appears on the display. 	_____	Press the reset button of the CD changer.
	<ul style="list-style-type: none"> • The CD changer does not work at all. 	The built-in microcomputer may function incorrectly due to noise, etc.	Reset the receiver (see page 2).

- Microsoft and Windows Media are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.

Specifications

AUDIO AMPLIFIER SECTION

Maximum Power Output:

Front: 50 W per channel

Rear: 50 W per channel

Continuous Power Output (RMS):

Front: 19 W per channel into 4 Ω , 40 Hz to 20 000 Hz at no more than 0.8% total harmonic distortion.

Rear: 19 W per channel into 4 Ω , 40 Hz to 20 000 Hz at no more than 0.8% total harmonic distortion.

Load Impedance: 4 Ω (4 Ω to 8 Ω allowance)

Equalizer Control Range:

Low: ± 12 dB (60 Hz, 80 Hz, 100 Hz, 120 Hz)

Mid: ± 12 dB

High: ± 12 dB (8 kHz, 10 kHz, 12 kHz, 15 kHz)

Frequency Response: 40 Hz to 20 000 Hz

Signal-to-Noise Ratio: 70 dB

Line-Out Level/Impedance:

5.0 V/20 k Ω load (full scale)

Output Impedance: 1 k Ω

Subwoofer-Out Level/Impedance:

2.0 V/20 k Ω load (full scale)

Other Terminals:

CD changer, SUBWOOFER

TUNER SECTION

Frequency Range:

FM: 87.5 MHz to 108.0 MHz

AM: 531 kHz to 1 602 kHz

[FM Tuner]

Usable Sensitivity: 11.3 dBf (1.0 μ V/75 Ω)

50 dB Quietening Sensitivity:

16.3 dBf (1.8 μ V/75 Ω)

Alternate Channel Selectivity (400 kHz): 65 dB

Frequency Response: 40 Hz to 15 000 Hz

Stereo Separation: 35 dB

Capture Ratio: 1.5 dB

[AM Tuner]

Sensitivity: 20 μ V

Selectivity: 35 dB

CD PLAYER SECTION

Type: Compact disc player

Signal Detection System: Non-contact optical pickup (semiconductor laser)

Number of Channels: 2 channels (stereo)

Frequency Response: 5 Hz to 20 000 Hz

Dynamic Range: 96 dB

Signal-to-Noise Ratio: 98 dB

Wow and Flutter: Less than measurable limit

MP3 Decoding Format:

MPEG1/2 Audio Layer 3

Max. Bit Rate: 320 kbps

WMA (Windows Media® Audio) Decoding

Format:

Max. Bit Rate: 192 kbps

GENERAL

Power Requirement:

Operating Voltage:

DC 14.4 V (11 V to 16 V allowance)

Grounding System: Negative ground

Allowable Operating Temperature:

0°C to +40°C

Dimensions (W \times H \times D):

Installation Size (approx.):

182 mm \times 52 mm \times 159 mm

Panel Size (approx.):

188 mm \times 58 mm \times 12 mm

Mass (approx.):

1.5 kg (excluding accessories)

Design and specifications are subject to change without notice.



Having TROUBLE with operation?

Please reset your unit

Refer to page of How to reset your unit

JVC



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0105DTSMDTJEIN

This receiver is designed to operate on **12 V DC, NEGATIVE ground electrical systems**. If your vehicle does not have this system, a voltage inverter is required, which can be purchased at JVC car audio dealers.

Parts list for installation and connection
The following parts are provided for this receiver.
After checking them, please set them correctly.

A / B

Hard case/Control panel

C

Sleeve

D

Trim plate

E

Power cord

F

Washer (ø5)

G

Lock nut (M5)

H

Mounting bolt (M5 x 20 mm)

I

Rubber cushion

J

Handles

K

Remote controller
RM-RK50

L

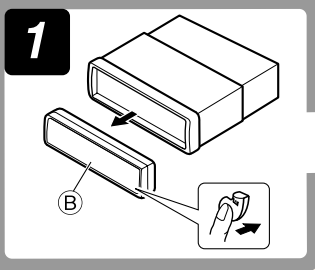
Battery
CR2025

INSTALLATION (IN-DASH MOUNTING)

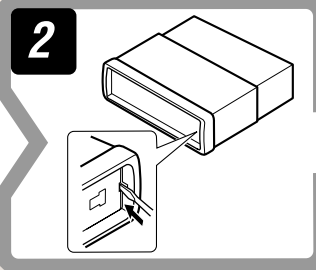
The following illustration shows a typical installation. If you have any questions or require information regarding installation kits, consult your JVC car audio dealer or a company supplying kits.

- If you are not sure how to install this receiver correctly, have it installed by a qualified technician.

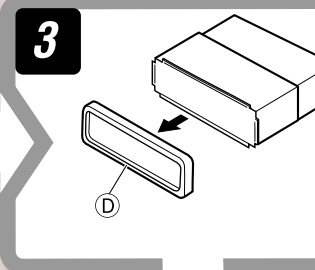
1



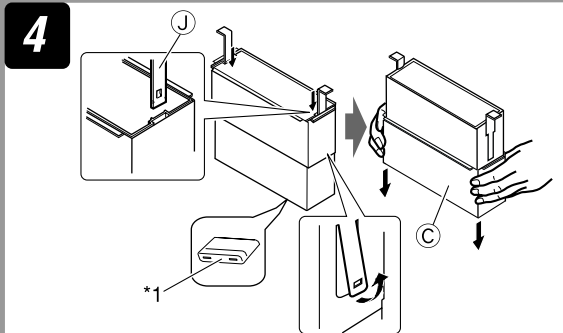
2



3

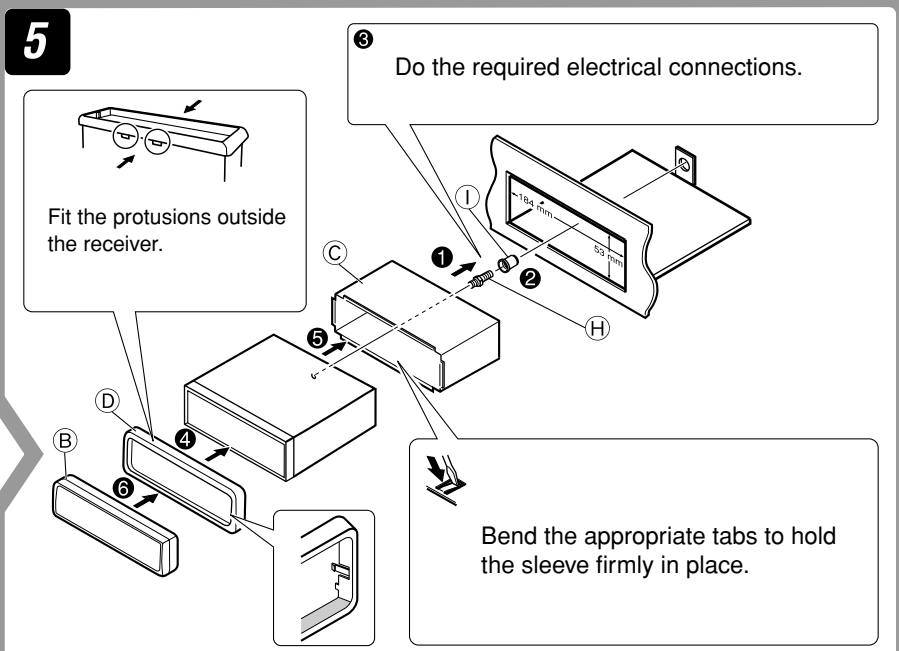


4



*1 When you stand the receiver, be careful not to damage the fuse on the rear.

5



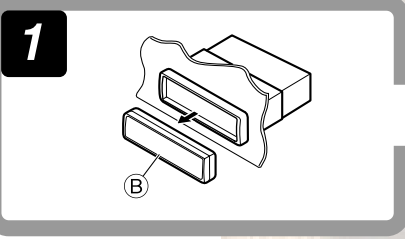
Fit the protusions outside the receiver.

Bend the appropriate tabs to hold the sleeve firmly in place.

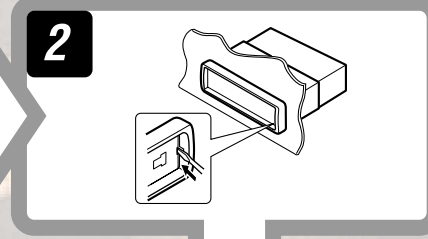
Removing the receiver

Before removing the receiver, release the rear section.

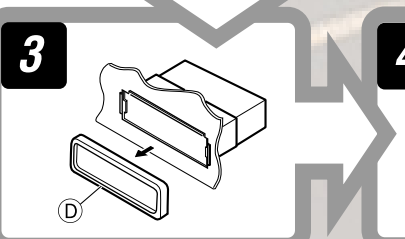
1



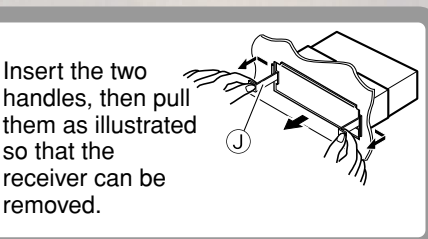
2



3

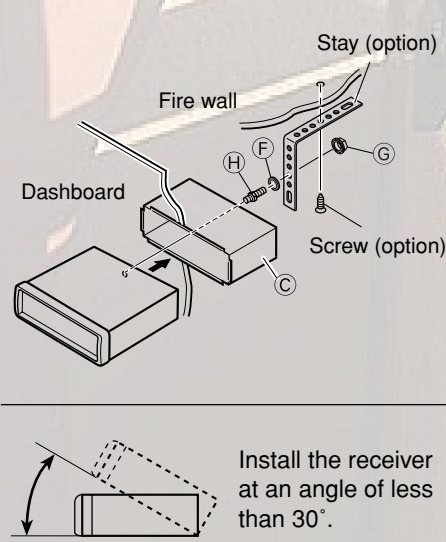


4



Insert the two handles, then pull them as illustrated so that the receiver can be removed.

When using the optional stay

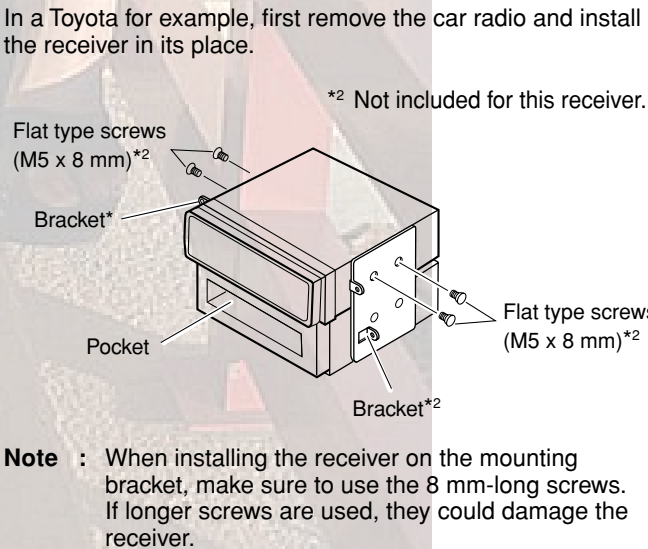


Install the receiver at an angle of less than 30°.

When installing the receiver without using the sleeve

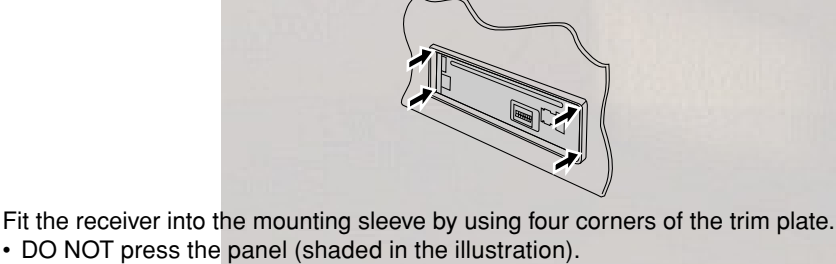
In a Toyota for example, first remove the car radio and install the receiver in its place.

*2 Not included for this receiver.



Note : When installing the receiver on the mounting bracket, make sure to use the 8 mm-long screws. If longer screws are used, they could damage the receiver.

Caution when installing

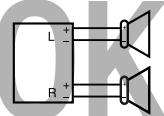
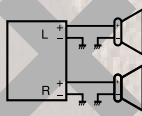
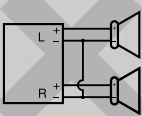


Fit the receiver into the mounting sleeve by using four corners of the trim plate.

- DO NOT press the panel (shaded in the illustration).

PRECAUTIONS on power supply and speaker connections:

- **DO NOT** connect the speaker leads of the power cord to the car battery; otherwise, the receiver will be seriously damaged.
- **BEFORE** connecting the speaker leads of the power cord to the speakers, check the speaker wiring in your car.



TROUBLESHOOTING

- **The fuse blows.**
 - * Are the red and black leads connected correctly?
- **Power cannot be turned on.**
 - * Is the yellow lead connected?
- **No sound from the speakers.**
 - * Is the speaker output lead short-circuited?
- **Sound is distorted.**
 - * Is the speaker output lead grounded?
 - * Are the “-” terminals of L and R speakers grounded in common?
- **Noise interfere with sounds.**
 - * Is the rear ground terminal connected to the car’s chassis using shorter and thicker cords?
- **Receiver becomes hot.**
 - * Is the speaker output lead grounded?
 - * Are the “-” terminals of L and R speakers grounded in common?
- **This receiver does not work at all.**
 - * Have you reset your receiver?

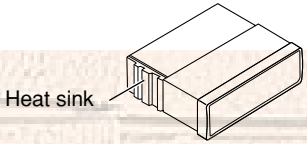
ELECTRICAL CONNECTIONS

To prevent short circuits, we recommend that you disconnect the battery's negative terminal and make all electrical connections before installing the receiver.

- Be sure to ground this receiver to the car's chassis again after installation.

Notes:

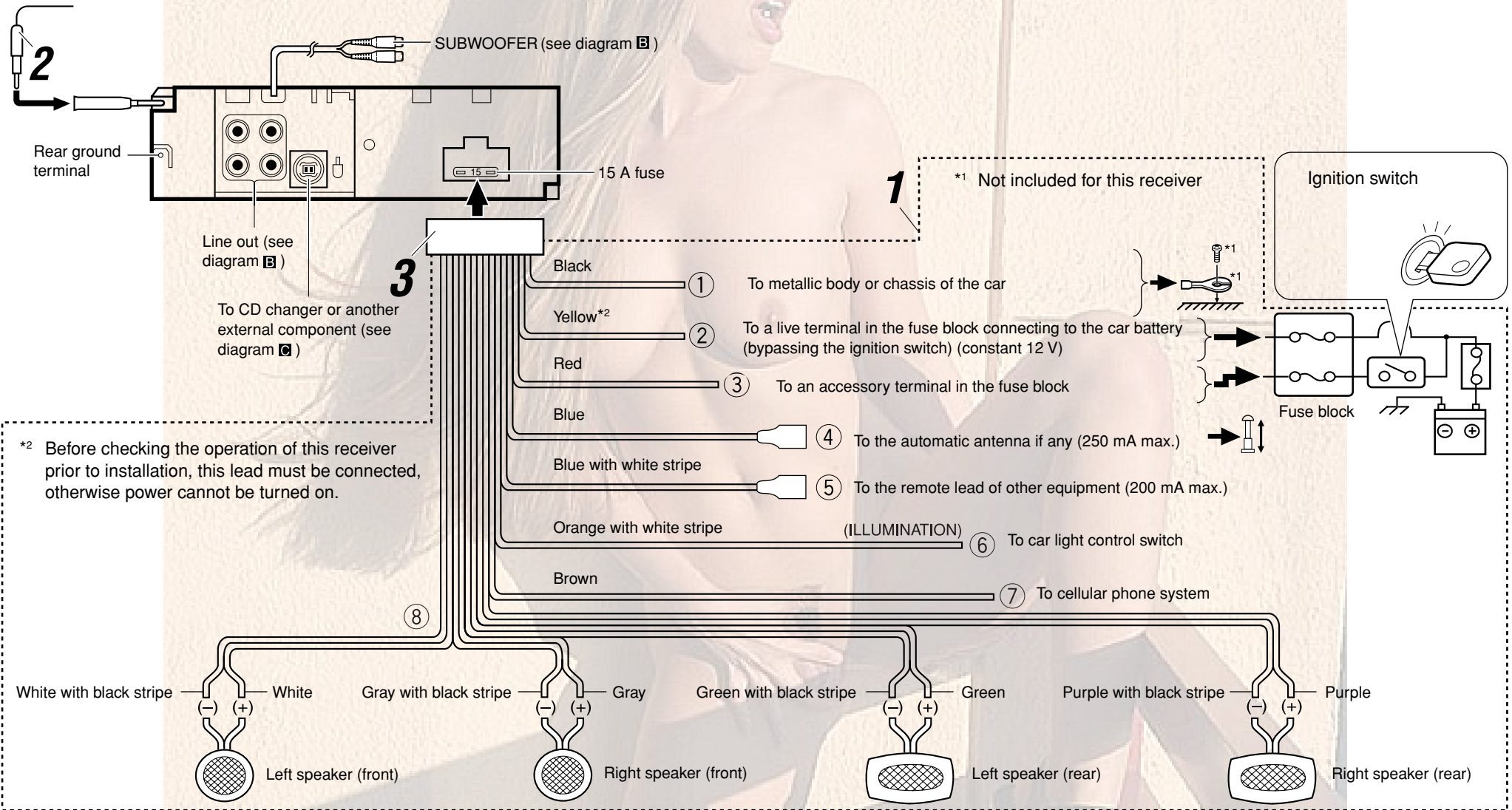
- Replace the fuse with one of the specified rating. If the fuse blows frequently, consult your JVC car audio dealer.
- It is recommended to connect to the speakers with maximum power of more than 50 W (both at the rear and at the front, with an impedance of 4 Ω to 8 Ω). If the maximum power is less than 50 W, change "AMP.GAIN" setting to prevent the speakers from being damaged (see page 21 of the INSTRUCTIONS).
- To prevent short-circuit, cover the terminals of the UNUSED leads with insulating tape.
- The heat sink becomes very hot after use. Be careful not to touch it when removing this receiver.



A Typical connections

Before connecting: Check the wiring in the vehicle carefully. Incorrect connection may cause serious damage to this receiver. The leads of the power cord and those of the connector from the car body may be different in color.

- 1 Connect the colored leads of the power cord in the order specified in the illustration below.
- 2 Connect the antenna cord.
- 3 Finally connect the wiring harness to the receiver.

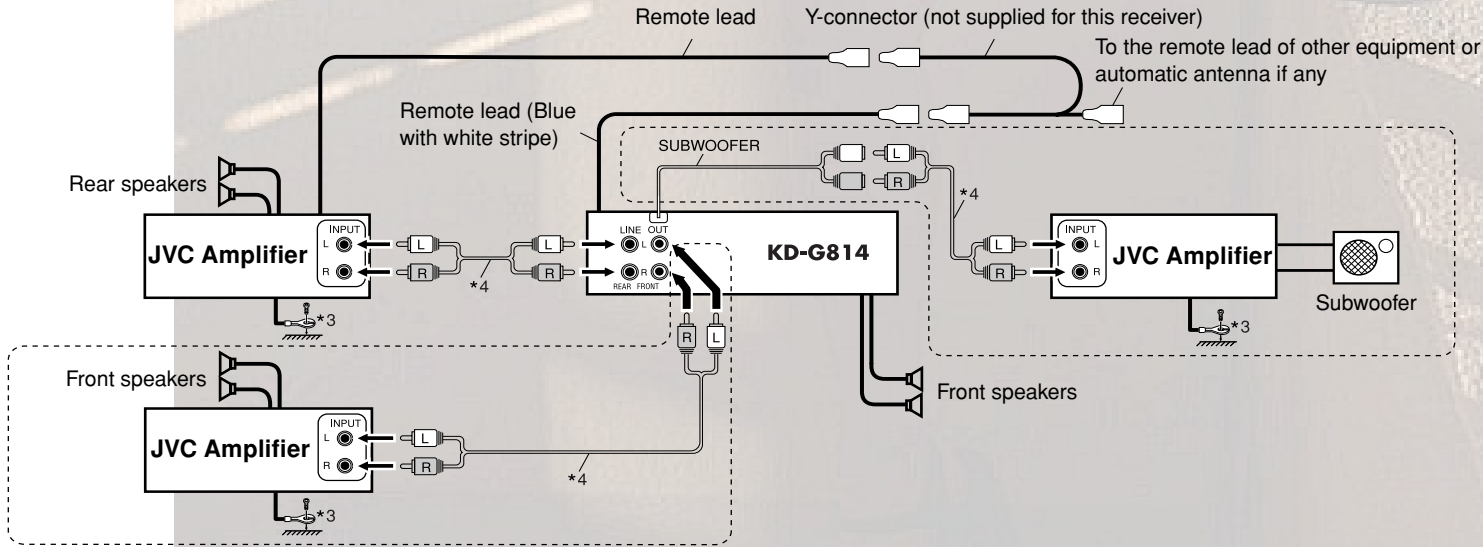


B Connecting the external amplifiers

You can connect amplifiers to upgrade your car stereo system.

- Connect the remote lead (blue with white stripe) to the remote lead of the other equipment so that it can be controlled through this receiver.
- For amplifier only:
 - Disconnect the speakers from this receiver, connect them to the amplifier. Leave the speaker leads of this receiver unused.
 - The line output level of this receiver is kept high to maintain the hi-fi sounds reproduced from this receiver.

When connecting an external amplifier to this receiver, turn down the gain control on the external amplifier to obtain the best performance from this receiver.



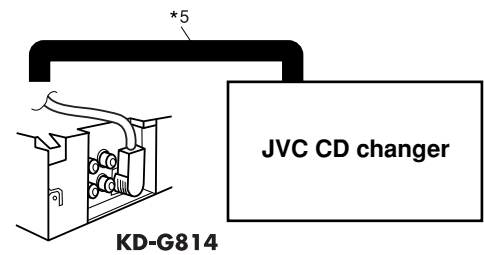
*3 Firmly attach the ground wire to the metallic body or to the chassis of the car—to the place not coated with paint (if coated with paint, remove the paint before attaching the wire). Failure to do so may cause damage to the receiver.

*4 Signal cord (not supplied for this receiver)

C Connecting other external components

CD changer

- Set "EXTERNAL IN" to "CHANGER" (See page 21 of the INSTRUCTIONS.)



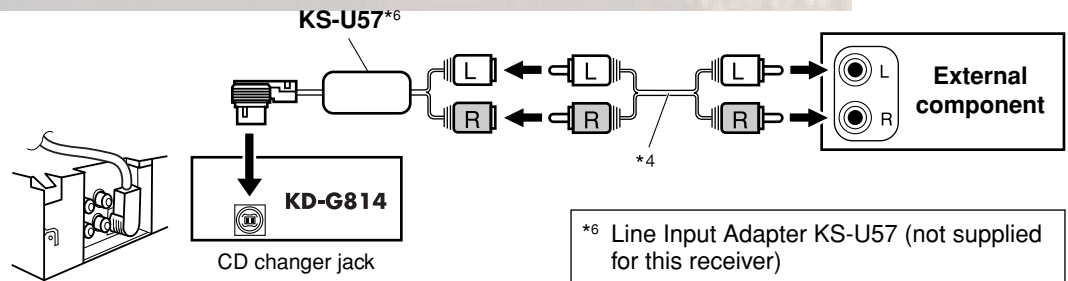
*5 Connecting cord supplied for your CD changer

CAUTION

- Before connecting the CD changer, make sure that the receiver is turned off.

External component

- Set "EXTERNAL IN" to "EXTERNAL IN" (See page 21 of the INSTRUCTIONS.)



*6 Line Input Adapter KS-U57 (not supplied for this receiver)

JVC

SCHEMATIC DIAGRAMS

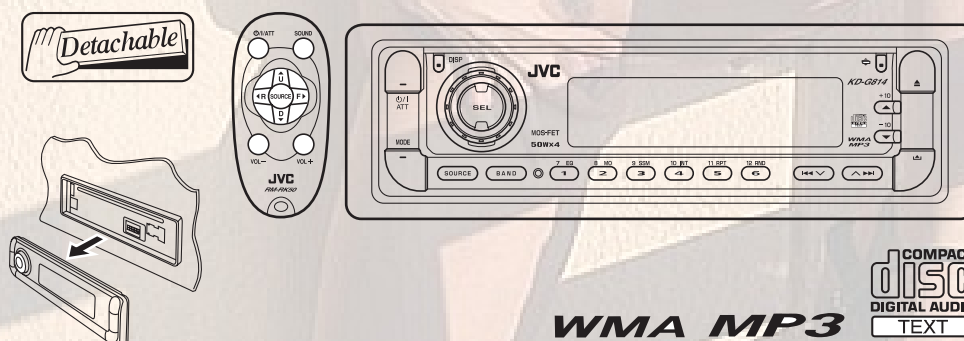
CD RECEIVER

KD-G814

CD-ROM No.SML200503

Area suffix


UI ----- India




Contents

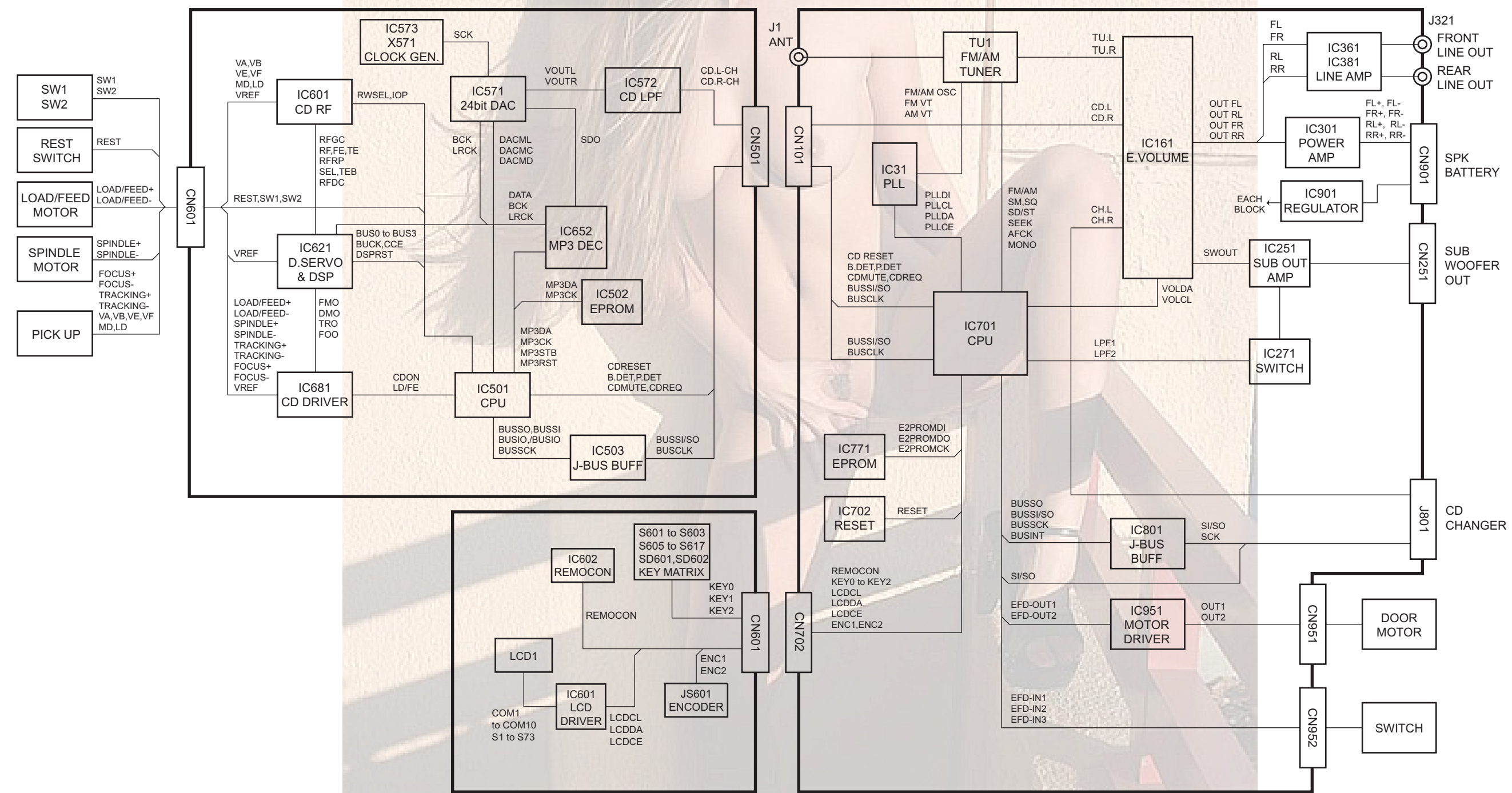
Block diagram	2-1
Standard schematic diagrams	2-2
Printed circuit boards	2-5 to 6

Safety precaution

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

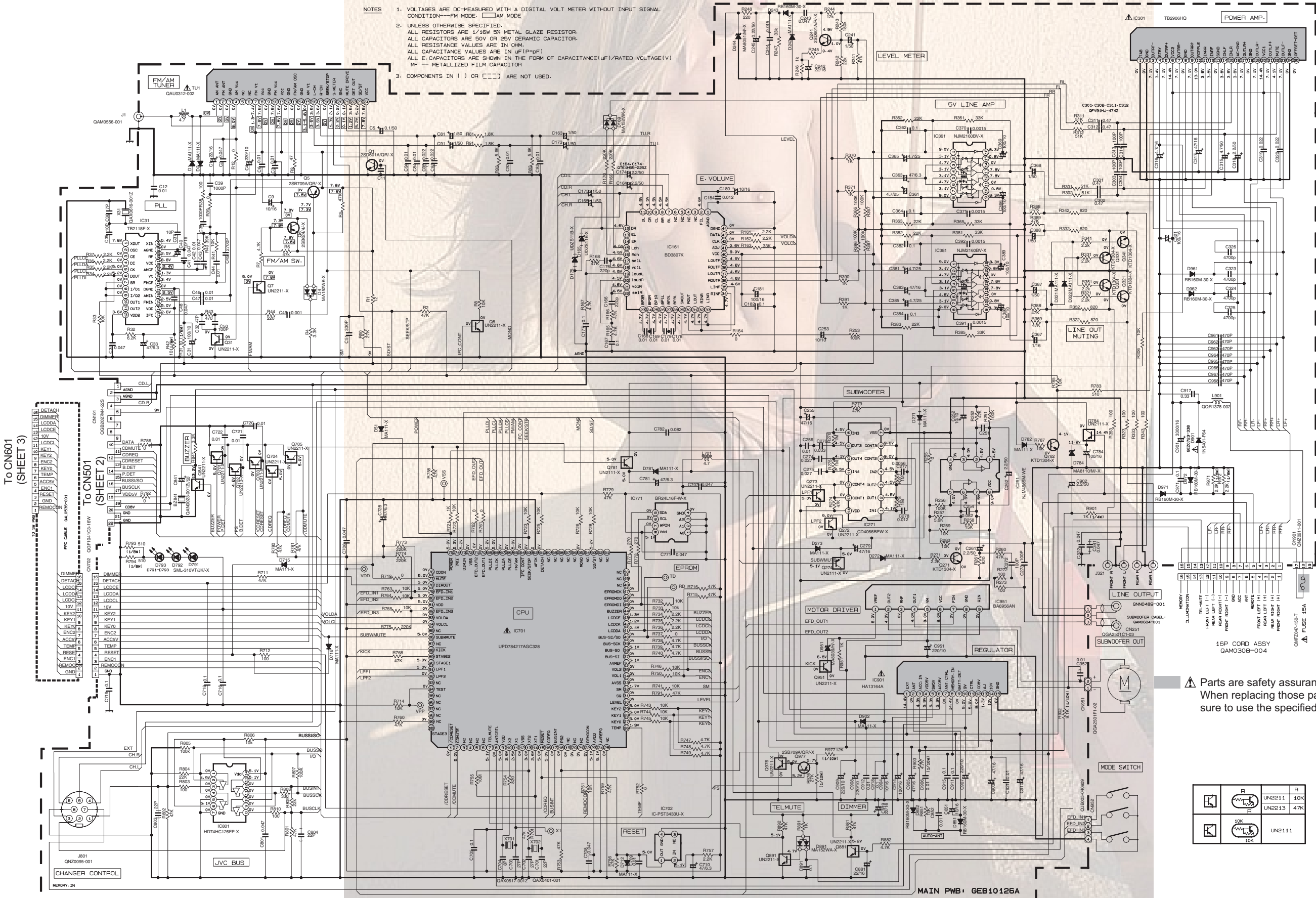
 **CAUTION** Please use enough caution not to see the beam directly or touch it in case of an adjustment or operation check.

Block diagram

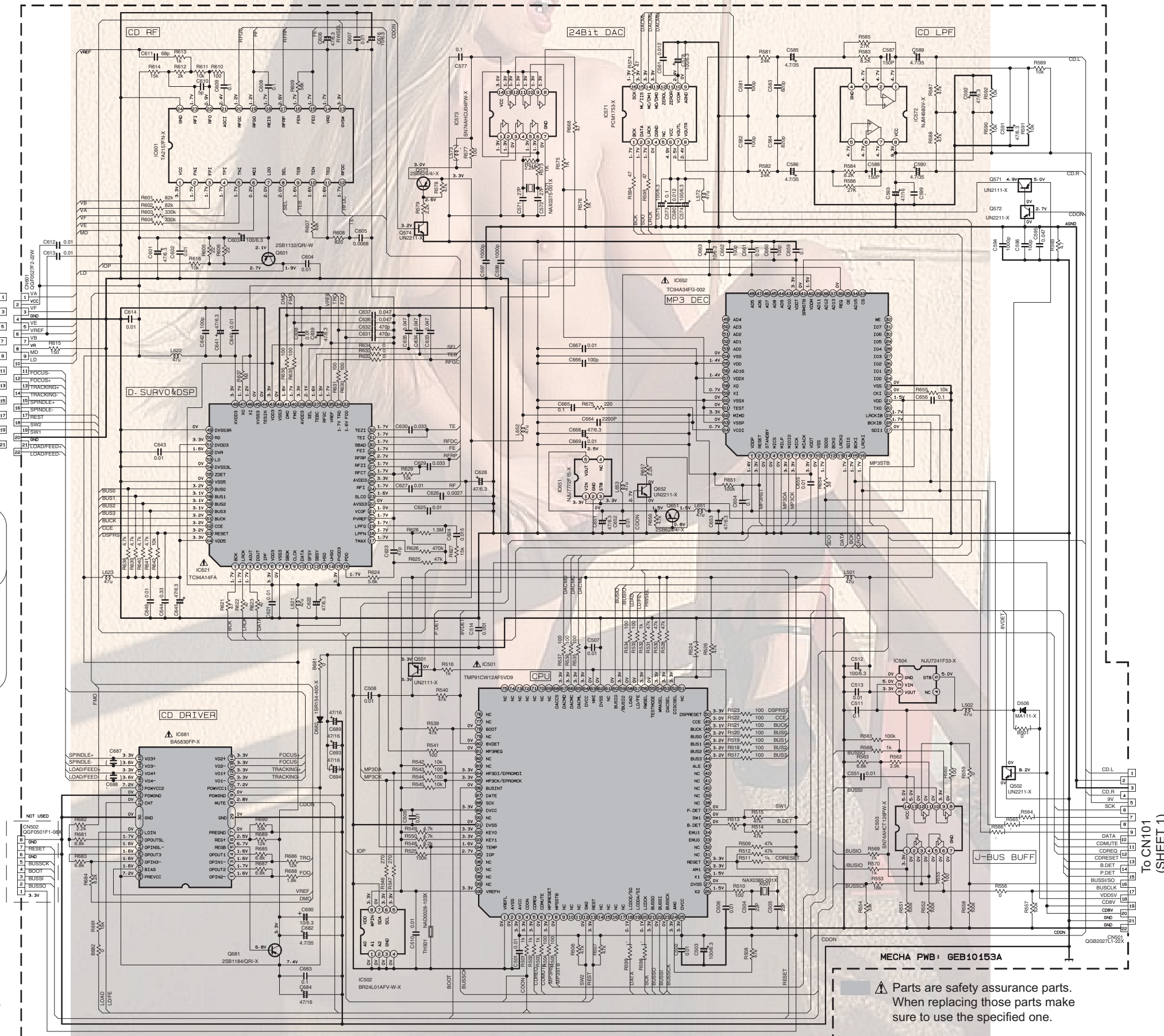
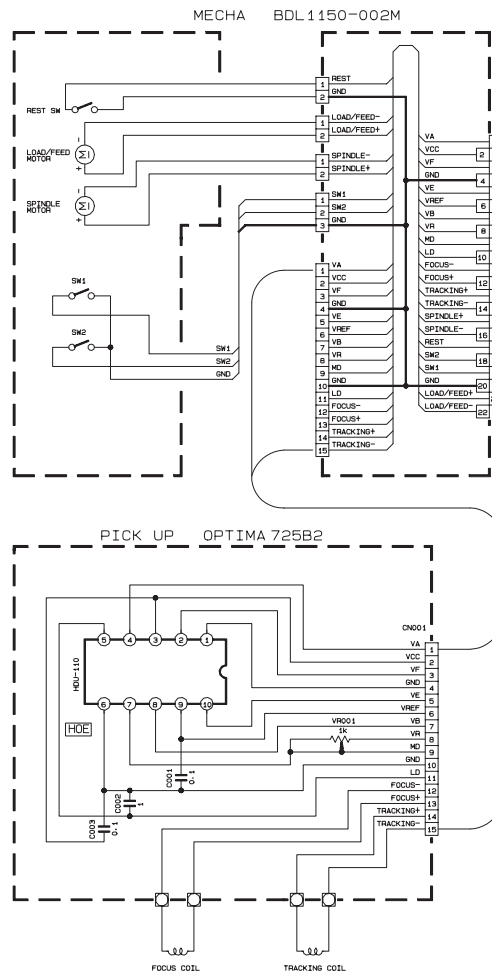


Standard schematic diagrams

■ Main amplifier section

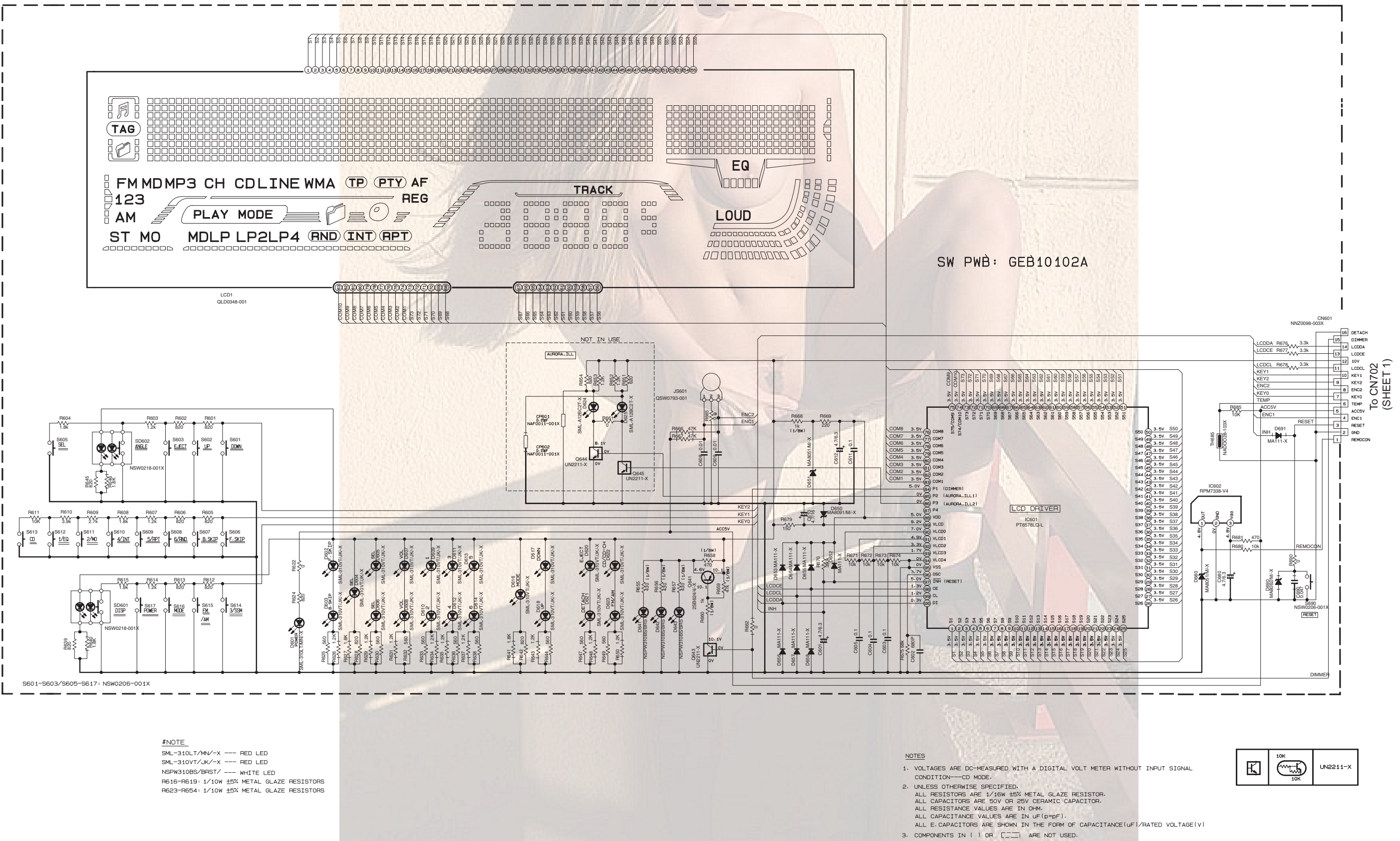


CD servo control section



- NOTES
- VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER WITHOUT INPUT SIGNAL. CONDITION — CD MODE.
 - UNLESS OTHERWISE SPECIFIED, ALL RESISTORS ARE 1/16W OR 1/10W OR 1/8W 1% METAL GLAZE RESISTOR. ALL CAPACITORS ARE 50V OR 25V OR 16V CERAMIC CAPACITOR OR 50V MYLAR CAPACITOR. ALL CAPACITANCE VALUES ARE IN μ F (P/P/F). ALL E-CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(μ F)/RATED VOLTAGE (V).
 - COMPONENTS IN () INDICATE NOT USE.

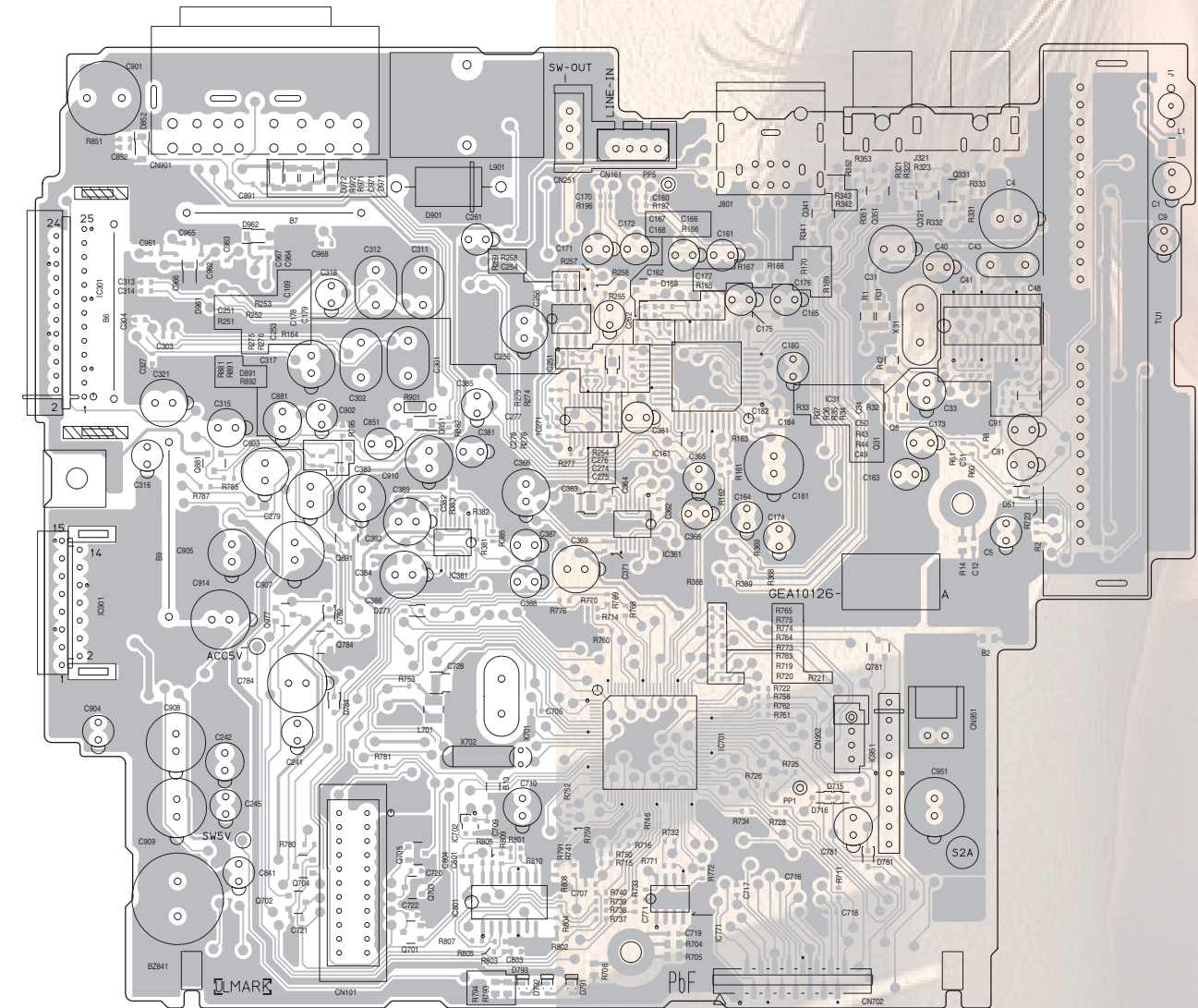
■ LCD & Key control section



Printed circuit boards

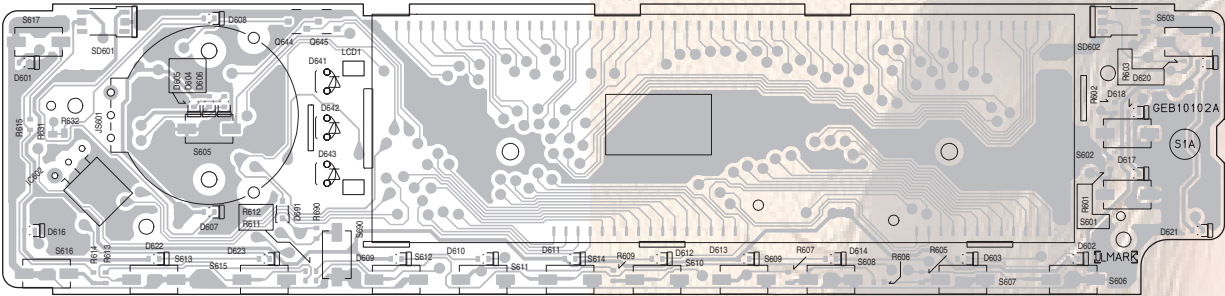
■ Main board

Forward side

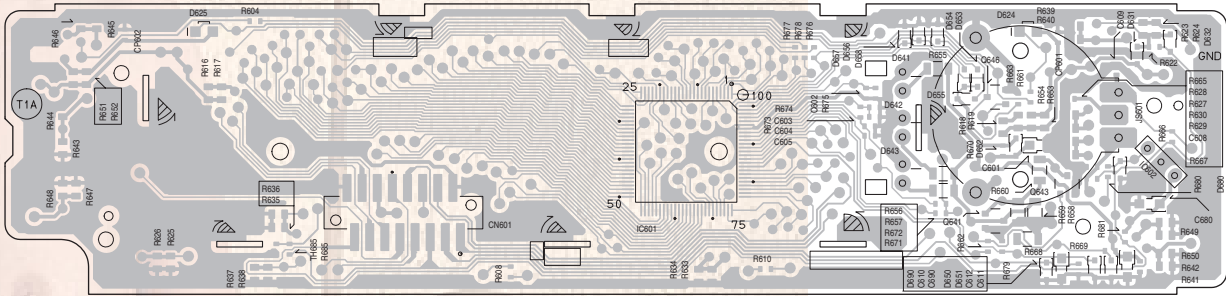


■ Switch board

Forward side

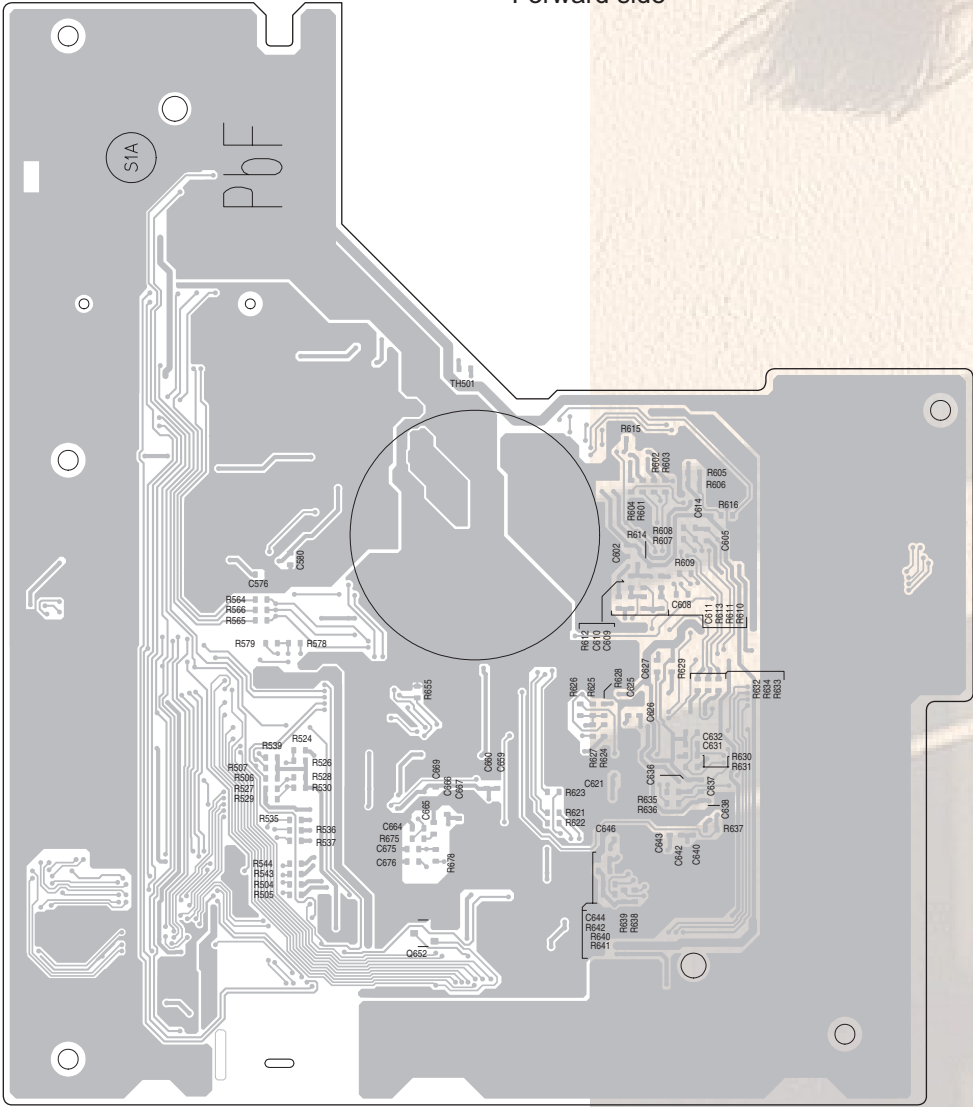


Reverse side

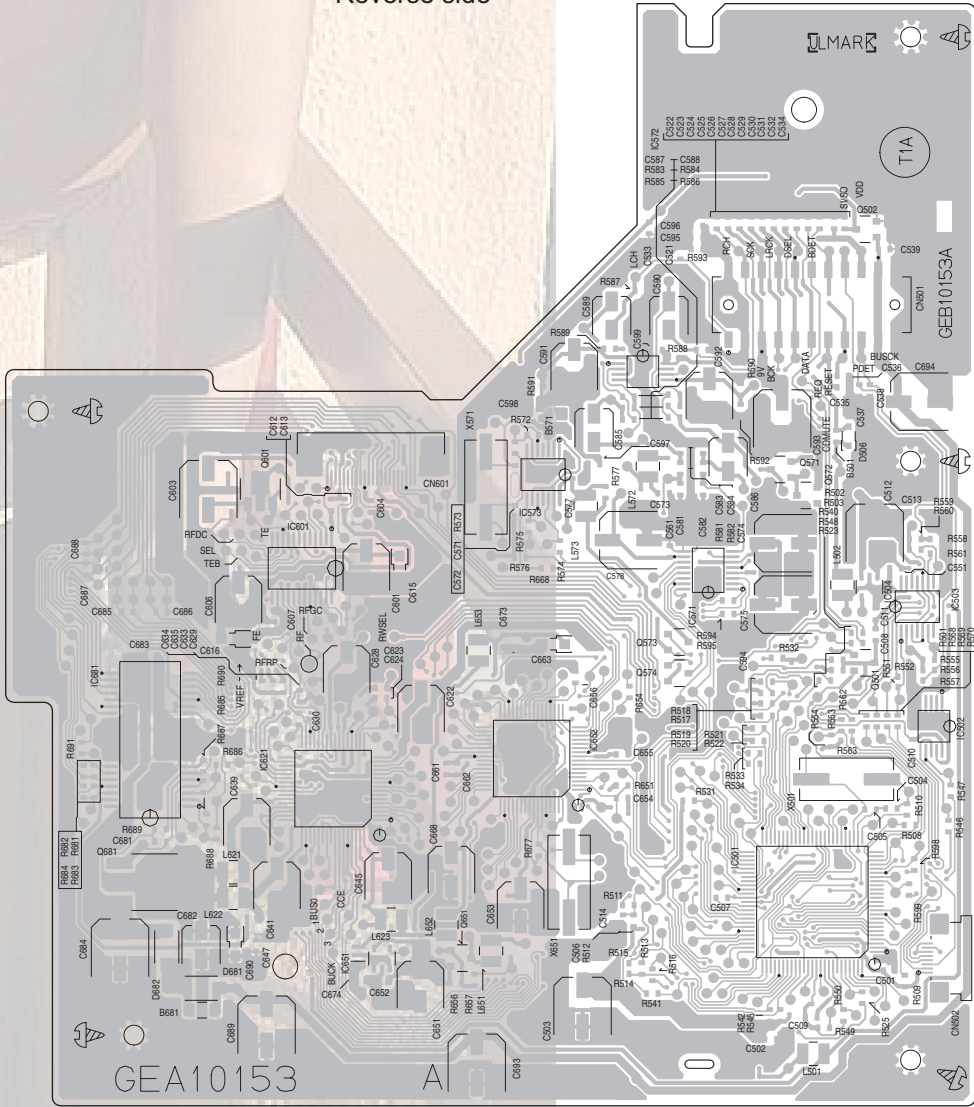


■ Mechanism control board

Forward side

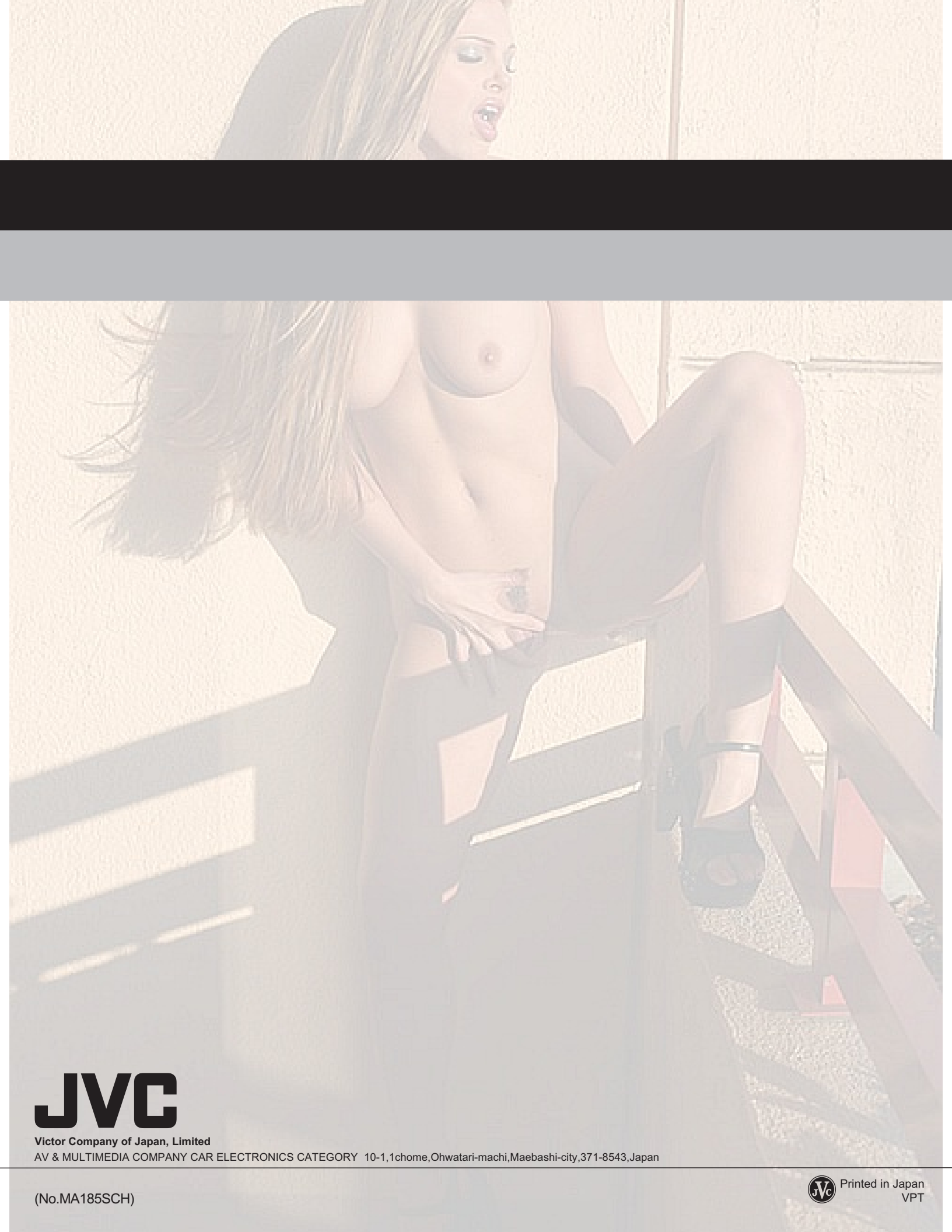


Reverse side



< MEMO >





JVC

Victor Company of Japan, Limited

AV & MULTIMEDIA COMPANY CAR ELECTRONICS CATEGORY 10-1, 1chome, Ohwatari-machi, Maebashi-city, 371-8543, Japan

(No.MA185SCH)



Printed in Japan
VPT

PARTS LIST

[KD-G814]

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

Area suffix

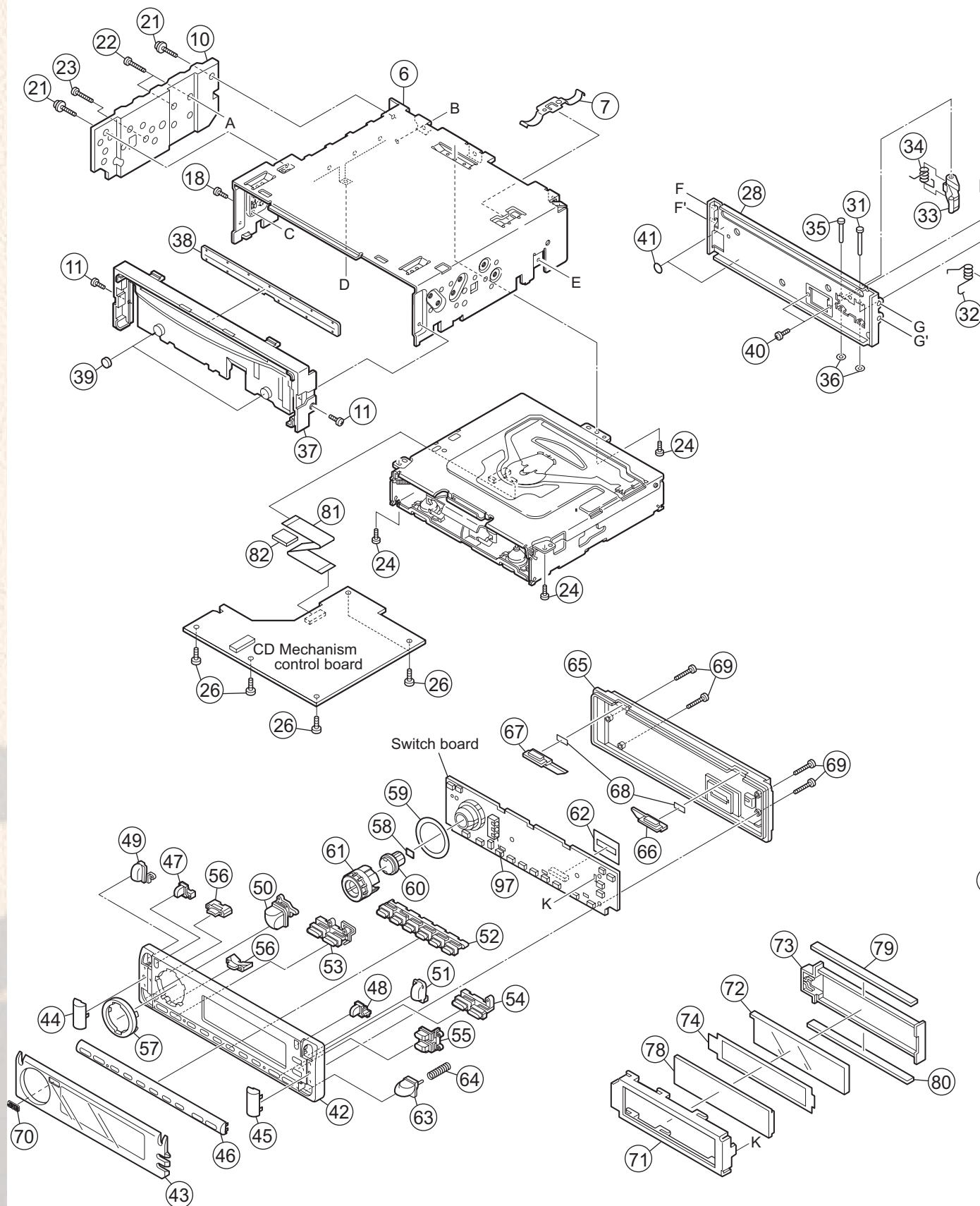
UI ----- India

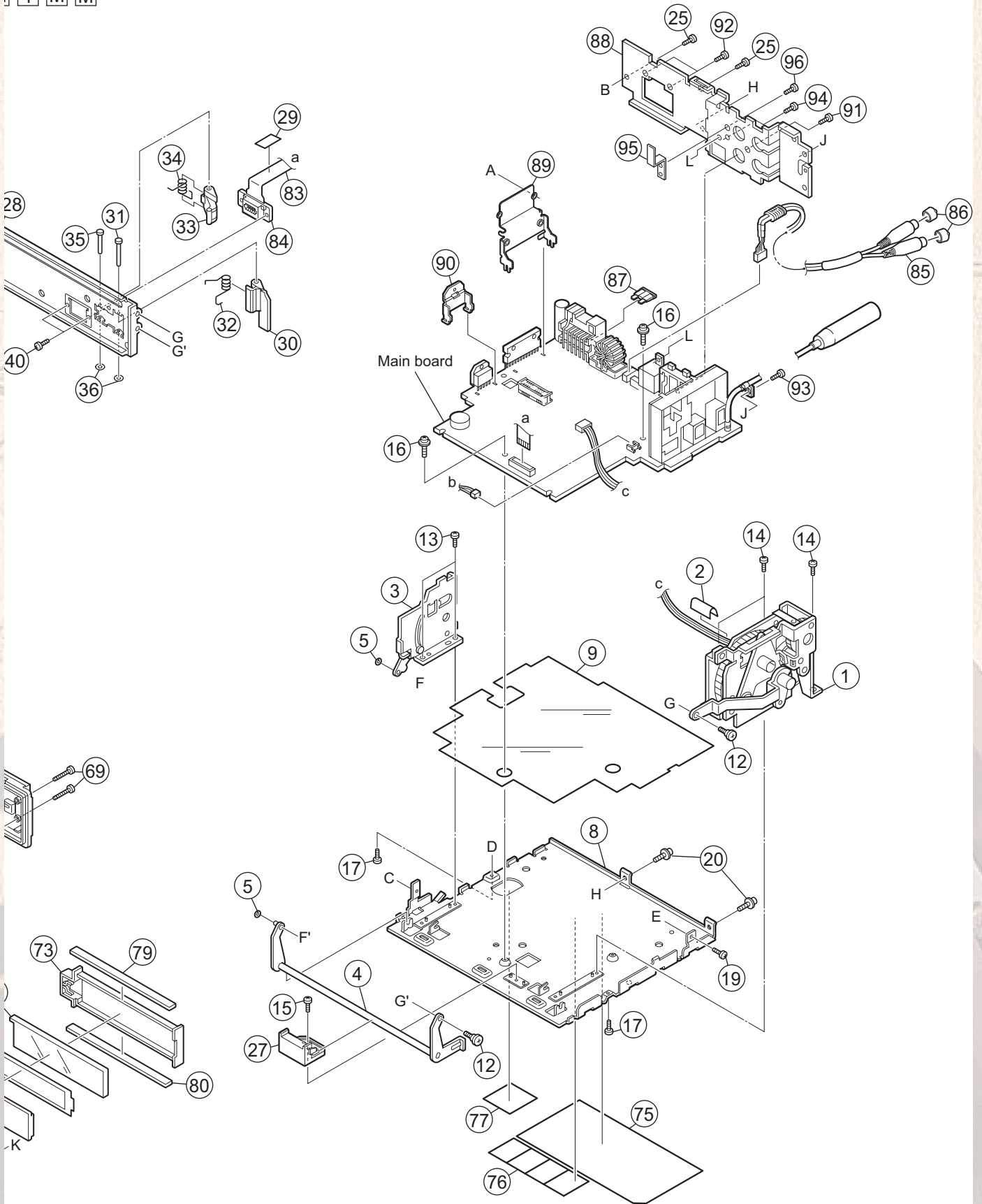
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Exploded view of general assembly and parts list (Block No.M1)	3- 2
CD mechanism assembly and parts list (Block No.MB)	3- 6
Electrical parts list (Block No.01~04)	3- 8
Packing materials and accessories parts list (Block No.M3)	3-14

Exploded view of general assembly and parts list

Block No. M 1 M M





General Assembly

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

Symbol No.	Part No.	Part Name	Description	Local
1	GE20156-001A	GEAR BKT UNIT		
2	FSYH4036-100	SHEET		
3	GE30968-001A	LEVER BKT UNIT		
4	GE30964-001A	LOWER LEVER ASS		
5	WDL215025	WASHER	(x2)	
6	GE10073-006A	TOP CHASSIS		
7	GE40135-001A	EARTH PLATE		
8	GE10074-001A	BOTTOM CHASSIS		
9	GE31204-003A	INSULATOR		
10	GE31206-002A	HEAT SINK		
11	QYSPSP2003ZA	SCREW	M2 x 3mm(x2)	
12	LV42181-002A	SPECIAL SCREW	(x2)	
13	LV40865-002A	SCREW	(x2)	
14	LV40865-002A	SCREW	(x3)	
15	LV40865-002A	SCREW		
16	LV41200-004A	SPECIAL SCREW	(x2)	
17	QYSDST2606ZA	TAP SCREW	M2.6 x 6mm(x2)	
18	QYSDST2604ZA	TAP SCREW	M2.6 x 4mm	
19	QYSDST2604ZA	TAP SCREW	M2.6 x 4mm	
20	LV41200-004A	SPECIAL SCREW	(x2)	
21	GE40235-001A	SCREW	(x2)	
22	QYSDST2610ZA	TAP SCREW	M2.6 x 10mm(x2)	
23	QYSDST2612ZA	TAP SCREW	M2.6 x 12mm	
24	QYSDST2604ZA	TAP SCREW	M2.6 x 4mm(x3)	
25	QYSDST2604ZA	TAP SCREW	M2.6 x 4mm(x2)	
26	QYSDST2004ZA	TAP SCREW	M2 x 4mm(x5)	
27	GE30974-001A	FPC GUIDE		
28	GE30975-001A	FRONT BKT ASSY		
29	FSYH4036-100	SHEET		
30	GE30972-001A	DETACH LEVER		
31	GE40192-002A	SHAFT		
32	GE40195-002A	T SPRING		
33	GE30973-001A	KICK LEVER		
34	GE40194-001A	T SPRING		
35	GE40193-002A	SHAFT		
36	WDL123525	SLIT WASHER	(x2)	
37	GE31202-008A	F.CHASSIS ASSY		
38	GE40156-001A	BLIND		
39	GE40196-002A	ABSORBER	(x2)	
40	QYSPSGU2040MA	TAP SCREW	M2 x 4mm(x2)	
41	GE40218-017A	SHEET	(x2)	
42	GE10084-006A	FRONT PANEL		
43	GE31184-016A	FINDER ASSY		
44	GE31199-005A	COVER PLATE L		
45	GE31218-006A	COVER PLATE R		
46	GE31198-007A	COVER PLATE B		
47	GE31189-001A	DISPLAY BUTTON		
48	GE31190-001A	ANGLE BUTTON		
49	GE31185-005A	POWER BUTTON		
50	GE31186-005A	MODE BUTTON		
51	GE31187-005A	EJECT BUTTON		
52	GE20166-004A	PRESET BUTTON		
53	GE31191-006A	D.FUNC BUTTON		
54	GE31192-004A	SEARCH BUTTON		
55	GE31193-001A	UP/DOWN BUTTON		
56	GE31197-001A	RIM LENS	(x2)	
57	GE31196-001A	RIM COVER		
58	FSYH4036-032	SHEET		
59	GE40218-002A	SHEET		
60	GE31195-003A	SEL BUTTON		
61	GE31194-003A	KNOB		
62	LV43889-001A	SW PWB SHEET		
63	GE31188-005A	DETACH BUTTON		
64	GE40202-004A	COMP.SPRING		
65	GE10085-003A	REAR COVER		
66	GE40211-004A	REAR LENS (L)		
67	GE40216-004A	REAR LENS (R)		
68	GE40218-010A	SHEET	(x2)	
69	VKZ4777-010	MINI SCREW	(x4)	
70	GE40204-001A	JVC BADGE		
71	GE31201-002A	LCD CASE		
72	GE31036-001A	LCD LENS		
73	GE31037-001A	LENS CASE		
74	GE40200-002A	LIGHTING SHEET		

△	Symbol No.	Part No.	Part Name	Description	Local
	75	GE31714-001A	NAME PLATE		
	76	LV41843-002A	LASER CAUTION		
	77	GE40218-011A	SHEET		
	78	QLD0348-001	LCD MODULE		
	79	QNZ0442-001	LCD CONNECTOR		
	80	QNZ0442-001	LCD CONNECTOR		
	81	QUQ105-2207AE	FFC WIRE	22pin 7cm	
	82	VYSH101-009	SPACER		
	83	QAL0536-001	FPC		
	84	QNZ0664-003	FRONT CONNECTOR		
	85	QAM0684-001	SUBWOOFER CABLE		
	86	VYTA500-001	PIN CAP	(x2)	
△	87	QMFZ047-150-T	FUSE	15A	
	88	GE31205-013A	REAR BRACKET		
	89	GE40207-001A	POWER IC BKT		
	90	GE40124-002A	REG BRACKET		
	91	QYSDSF2606ZA	TAP SCREW	M2.6 x 6mm	
	92	QYSDSF2606ZA	TAP SCREW	M2.6 x 6mm(x2)	
	93	QYSDST2604ZA	TAP SCREW	M2.6 x 4mm	
	94	QYSDST2606ZA	TAP SCREW	M2.6 x 6mm	
	95	GE40214-001A	WIRE HOLDER		
	96	QYSDST2604ZA	TAP SCREW	M2.6 x 4mm	
	97	FSKS3017-002	LED HOLDER		

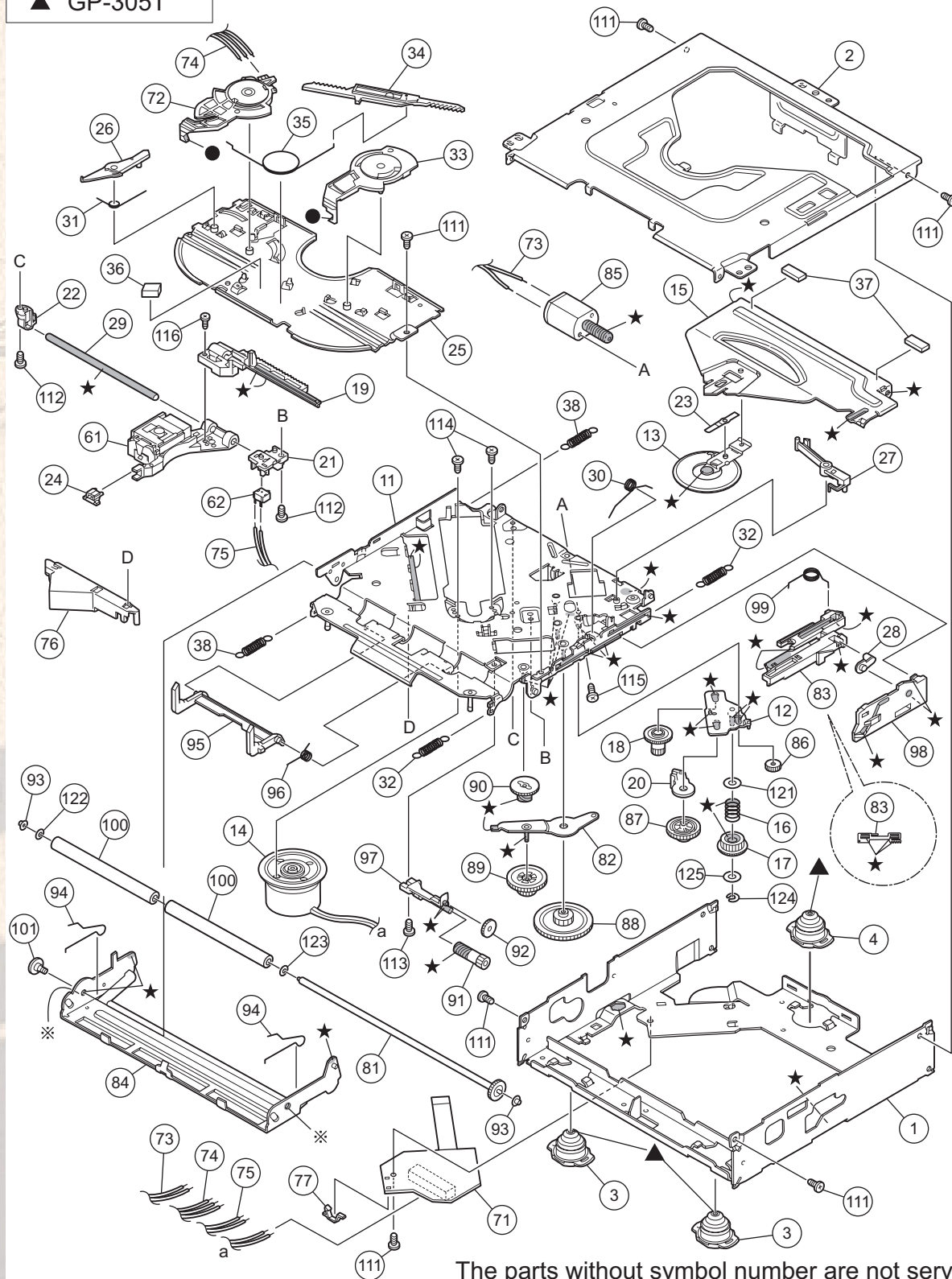
CD mechanism assembly and parts list

Grease

- ★ TNG-87
- ※ GP-501MK
- CFD-005Z
- ▲ GP-305T

TN-2001-1013

Block No. M B M M



The parts without symbol number are not service.

CD mechanism

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

△	Symbol No.	Part No.	Part Name	Description	Local
	1	30320101T	FRAME		
	2	30320102T	TOP COVER		
	3	30320115T	DANPER F	(x2)	
	4	30320116T	DANPER R		
	11	303205505T	CHASSIS RIVET		
	12	303205503T	CHANGE P. RVT A		
	13	303205301T	CLAMPER ASSY		
	14	303205302T	SPINDLE MOTOR A		
	15	30320502T	CLAMPER ARM		
	16	30320503T	CHANGE GEAR SPG		
	17	30320505T	CHANGE GEAR 2		
	18	30320506T	FEED GEAR		
	19	30320507T	FEED RACK		
	20	30320509T	CHANGE LOCK RAR		
	21	30320510T	FEED SW HOLDER		
	22	30320511T	PU SHAFT HOLDER		
	23	30320513T	CLAMPER SUB SPG		
	24	30320514T	FD SUB HOLDER		
	25	30320518T	TOP PLATE		
	26	30320519T	SELECT LOCK ARM		
	27	30320520T	TRIGGER ARM		
	28	30320521T	SLIDE HOOK		
	29	30320522T	PU SHAFT		
	30	30320525T	CLAMPER ARM SPG		
	31	30320526T	SELECT L ARM SP		
	32	30320538T	SUSPENSION SP R	(x2)	
	33	30320529T	SELECT ARM R		
	34	30320530T	LINK PLATE		
	35	30320531T	LINK PLATE SPG		
	36	30320523T	CUSHION F		
	37	30320524T	CUSHION R	(x2)	
	38	30320539T	SUSPENSION SP L	(x2)	
	61	69011614T	PICKUP OPT-725		
	62	64180406T	DET SW ESE22		
	71	303210302T	CONN BOARD ASSY		
	72	30321002T	MODE SW		
	73	30321003T	LOAD MOTOR WIRE		
	74	30321005T	MODE SW WIRE		
	75	30321009T	SL WIRE		
	76	30321011T	WIRE HOLDER		
	77	19501403T	WIRE CLUMPER		
	81	303211301T	ROLLER SHAFT AS		
	82	303211501T	L GEAR PLATE RV		
	83	303211302T	LOADING PLATE A		
	84	303211502T	LOCK ARM RV ASS		
	85	303211303T	L/F MOTOR ASSY		
	86	30321101T	LOADING GEAR 1		
	87	30321102T	LOADING GEAR 2		
	88	30321103T	LOADING GEAR 3		
	89	30321104T	LOADING GEAR 4		
	90	30321105T	LOADING GEAR 5		
	91	30321106T	LOADING GEAR 6		
	92	30321107T	LOADING GEAR 7		
	93	30321149T	ROLLER GUIDE	(x2)	
	94	30321114T	ROLLER GUIDE SP	(x2)	
	95	30321116T	DISC STOPPER AR		
	96	30321117T	DISC ST ARM SPG		
	97	30321118T	LD GEAR BRACKET		
	98	30321125T	L SIDE PLATE		
	99	30321131T	LOAD PLATE SPG		
	100	30321133T	LDG ROLLER	(x2)	
	101	18211223T	COLLAR SCREW		
	111	9P0420031T	SCREW	(x6)	
	112	9P0420041T	TAP.SCREW	(x2)	
	113	9B0320041T	SCREW		
	114	9C0117183T	SCREW	(x2)	
	115	9C0120203T	SCREW		
	116	9C0317503T	SCREW		
	121	9W0130170T	PW 3.5X8X0.3		
	122	9W0513060T	HL WASHER		
	123	9W0710070T	L WASHER		
	124	9E0100152T	E RING		
	125	9W0113020T	PW 2.1X4X0.13		

Electrical parts list

Main board

Block No. [0][1]

△ Symbol No.	Part No.	Part Name	Description	Local
IC31	TB2118F-X	PLL IC		
IC161	BD3807K	IC		
IC251	NJM4565M-WE	IC		
IC271	CD4066BPW-X	IC		
△ IC301	TB2906HQ	IC		
IC361	NJM2160BV-X	IC		
IC381	NJM2160BV-X	IC		
△ IC701	UPD784217AGC328	IC		
IC702	IC-PST3433U-X	IC		
IC771	BR24L16F-W-X	IC		
IC801	HD74HC126FP-X	IC		
△ IC901	HA13164A	IC		
IC951	BA6956AN	IC		
Q1	2SD601A/QR/-X	TRANSISTOR		
Q5	2SB709A/QR/-X	TRANSISTOR		
Q6	2SB624/4/-X	TRANSISTOR		
Q7	UN2211-X	TRANSISTOR		
Q8	UN2211-X	TRANSISTOR		
Q31	UN2211-X	TRANSISTOR		
Q241	2SD601A/R/-X	TRANSISTOR		
Q271	KTD1304-X	TRANSISTOR		
Q272	UN2211-X	TRANSISTOR		
Q273	UN2211-X	TRANSISTOR		
Q274	UN2111-X	TRANSISTOR		
Q321	KTD1304-X	TRANSISTOR		
Q331	KTD1304-X	TRANSISTOR		
Q341	KTD1304-X	TRANSISTOR		
Q351	KTD1304-X	TRANSISTOR		
Q701	UN2211-X	TRANSISTOR		
Q702	UN2213-X	DIGI TRANSISTOR		
Q703	UN2211-X	TRANSISTOR		
Q704	UN2211-X	TRANSISTOR		
Q705	UN2211-X	TRANSISTOR		
Q781	UN2111-X	TRANSISTOR		
Q782	KTD1304-X	TRANSISTOR		
Q784	UN2111-X	TRANSISTOR		
Q841	UN2211-X	TRANSISTOR		
Q881	UN2211-X	TRANSISTOR		
Q891	UN2211-X	TRANSISTOR		
Q951	UN2211-X	TRANSISTOR		
Q976	UN2211-X	TRANSISTOR		
Q977	2SB709A/QR/-X	TRANSISTOR		
D1	MA111-X	SI DIODE		
D2	MA111-X	SI DIODE		
D4	MA152WK-X	SI DIODE		
D51	1SS355-X	SI DIODE		
D169	MA152WK-X	SI DIODE		
D242	MA111-X	SI DIODE		
D243	RB160M-30-X	SB DIODE		
D244	MA8051/M/-X	Z DIODE		
D272	MA111-X	SI DIODE		
D273	MA111-X	SI DIODE		
D321	MA111-X	SI DIODE		
D322	MA111-X	SI DIODE		
D712	MA111-X	SI DIODE		
D715	MA111-X	SI DIODE		
D716	MA111-X	SI DIODE		
D781	MA111-X	SI DIODE		
D782	MA111-X	SI DIODE		
D784	MA8110/M/-X	Z DIODE		
D791	SML-310VT/JK/-X	LED		
D792	SML-310VT/JK/-X	LED		
D793	SML-310VT/JK/-X	LED		
D851	RB160M-30-X	SB DIODE		
D852	RB160M-30-X	SB DIODE		
D891	MA152WA-X	DIODE		
D901	1N5401-F64	DIODE		
D902	MA111-X	SI DIODE		
D951	MA8039/H/-X	Z DIODE		
D961	RB160M-30-X	SB DIODE		

△ Symbol No.	Part No.	Part Name	Description	Local
D962	RB160M-30-X	SB DIODE		
D971	RB160M-30-X	SB DIODE		
D972	RB160M-30-X	SB DIODE		
C1	QERF1CM-226Z	E CAPACITOR	22uF 16V M	
C2	NCB31EK-473X	C CAPACITOR	0.047uF 25V K	
C3	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C4	QERF1AM-227Z	E CAPACITOR	220uF 10V M	
C5	QERF1HM-104Z	E CAPACITOR	0.1uF 50V M	
C6	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9	QERF1CM-106Z	E CAPACITOR	10uF 16V M	
C12	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C31	QERF1AM-107Z	E CAPACITOR	100uF 10V M	
C32	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C33	QERF0JM-476Z	E CAPACITOR	47uF 6.3V M	
C34	NCB31EK-473X	C CAPACITOR	0.047uF 25V K	
C35	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C36	NDC31HJ-7R0X	C CAPACITOR	7pF 50V J	
C37	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C38	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C39	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C40	QERF1CM-106Z	E CAPACITOR	10uF 16V M	
C41	NCB31EK-473X	C CAPACITOR	0.047uF 25V K	
C42	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C43	QFV61HJ-473Z	MF CAPACITOR	0.047uF 50V J	
C44	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C45	NCB31HK-272X	C CAPACITOR	2700pF 50V K	
C46	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C47	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C48	NCB31EK-473X	C CAPACITOR	0.047uF 25V K	
C49	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C50	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C51	NDC31HJ-331X	C CAPACITOR	330pF 50V J	
C81	QERF1HM-105Z	E CAPACITOR	1uF 50V M	
C82	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C84	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C91	QERF1HM-105Z	E CAPACITOR	1uF 50V M	
C92	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C94	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C163	QERF1HM-105Z	E CAPACITOR	1uF 50V M	
C164	QTE1H55-225Z	E CAPACITOR	2.2uF 50V	
C165	QERF1HM-105Z	E CAPACITOR	1uF 50V M	
C166	NCB31HK-221X	C CAPACITOR	220pF 50V K	
C167	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C168	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C169	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C173	QERF1HM-105Z	E CAPACITOR	1uF 50V M	
C174	QTE1H55-225Z	E CAPACITOR	2.2uF 50V	
C175	QERF1HM-105Z	E CAPACITOR	1uF 50V M	
C176	NCB31HK-221X	C CAPACITOR	220pF 50V K	
C177	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C178	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C179	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C180	QERF1CM-106Z	E CAPACITOR	10uF 16V M	
C181	QERF1CM-107Z	E CAPACITOR	100uF 16V M	
C182	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C184	NCB31EK-123X	C CAPACITOR	0.012uF 25V K	
C241	QERF1HM-105Z	E CAPACITOR	1uF 50V M	
C242	QERF1CM-226Z	E CAPACITOR	22uF 16V M	
C243	NCB31EK-473X	C CAPACITOR	0.047uF 25V K	
C245	QERF1HM-224Z	E CAPACITOR	0.22uF 50V M	
C251	NCB31HK-822X	C CAPACITOR	8200pF 50V K	
C252	NBE21AM-106X	TA E CAPACITOR	10uF 10V M	
C253	NBE21AM-106X	TA E CAPACITOR	10uF 10V M	
C254	NCB31EK-823X	C CAPACITOR	0.082uF 25V K	
C255	QERF1CM-476Z	E CAPACITOR	47uF 16V M	
C256	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C261	QERF1HM-225Z	E CAPACITOR	2.2uF 50V M	
C262	QERF1HM-225Z	E CAPACITOR	2.2uF 50V M	
C272	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C273	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C274	NCB31EK-273X	C CAPACITOR	0.027uF 25V K	
C275	NCB31EK-273X	C CAPACITOR	0.027uF 25V K	
C276	NCB31EK-333X	C CAPACITOR	0.033uF 25V K	
C277	NCB31EK-562X	C CAPACITOR	5600pF 25V K	
C278	NCB31EK-123X	C CAPACITOR	0.012uF 25V K	

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
C279	QERF1CM-476Z	E CAPACITOR	47uF 16V M		C912	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C301	QFV91HJ-474Z	MF CAPACITOR	0.47uF 50V J		C914	QERF1CM-107Z	E CAPACITOR	100uF 16V M	
C302	QFV91HJ-474Z	MF CAPACITOR	0.47uF 50V J		C915	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C303	NDC31HJ-101X	C CAPACITOR	100pF 50V J		C917	NCB21CK-334X	C CAPACITOR	0.33uF 16V K	
C304	NDC31HJ-101X	C CAPACITOR	100pF 50V J		C951	QERF1AM-227Z	E CAPACITOR	220uF 10V M	
C311	QFV91HJ-474Z	MF CAPACITOR	0.47uF 50V J		C961	NDC31HJ-471X	C CAPACITOR	470pF 50V J	
C312	QFV91HJ-474Z	MF CAPACITOR	0.47uF 50V J		C962	NDC31HJ-471X	C CAPACITOR	470pF 50V J	
C313	NDC31HJ-101X	C CAPACITOR	100pF 50V J		C963	NDC31HJ-471X	C CAPACITOR	470pF 50V J	
C314	NDC31HJ-101X	C CAPACITOR	100pF 50V J		C964	NDC31HJ-471X	C CAPACITOR	470pF 50V J	
C315	QERF1HM-475Z	E CAPACITOR	4.7uF 50V M		C965	NDC31HJ-471X	C CAPACITOR	470pF 50V J	
C316	QERF1CM-475Z	E CAPACITOR	4.7uF 16V M		C966	NDC31HJ-471X	C CAPACITOR	470pF 50V J	
C317	QERF1CM-476Z	E CAPACITOR	47uF 16V M		C967	NDC31HJ-471X	C CAPACITOR	470pF 50V J	
C318	QERF1HM-225Z	E CAPACITOR	2.2uF 50V M		C968	NDC31HJ-471X	C CAPACITOR	470pF 50V J	
C319	NCB31EK-223X	C CAPACITOR	0.022uF 25V K		C971	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C320	NCB31EK-223X	C CAPACITOR	0.022uF 25V K		R1	NRS181J-120X	MG RESISTOR	12Ω 1/8W J	
C322	NCB31EK-473X	C CAPACITOR	0.047uF 25V K		R2	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
C323	NCB21EK-472X	C CAPACITOR	4700pF 25V K		R4	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
C324	NCB21EK-472X	C CAPACITOR	4700pF 25V K		R5	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
C325	NCB21EK-472X	C CAPACITOR	4700pF 25V K		R6	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
C326	NCB21EK-472X	C CAPACITOR	4700pF 25V K		R7	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
C361	QERF1EM-475Z	E CAPACITOR	4.7uF 25V M		R8	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C362	NCB31EK-104X	C CAPACITOR	0.1uF 25V K		R9	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
C363	NBE40JM-476X	TA E CAPACITOR	47uF 6.3V M		R12	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C364	NCB31EK-104X	C CAPACITOR	0.1uF 25V K		R31	NRS181J-100X	MG RESISTOR	10Ω 1/8W J	
C365	QERF1EM-475Z	E CAPACITOR	4.7uF 25V M		R32	NRSA63J-622X	MG RESISTOR	6.2kΩ 1/16W J	
C366	QERF1AM-107Z	E CAPACITOR	100uF 10V M		R33	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C367	NBE21CM-105X	TA E CAPACITOR	1uF 16V M		R34	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
C368	QERF1HM-105Z	E CAPACITOR	1uF 50V M		R35	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
C369	QERF1AM-107Z	E CAPACITOR	100uF 10V M		R36	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
C370	NCB31HK-152X	C CAPACITOR	1500pF 50V K		R37	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
C371	NCB31HK-152X	C CAPACITOR	1500pF 50V K		R38	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
C381	QERF1EM-475Z	E CAPACITOR	4.7uF 25V M		R39	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C382	NCB31EK-104X	C CAPACITOR	0.1uF 25V K		R40	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	
C383	QERF1CM-476Z	E CAPACITOR	47uF 16V M		R41	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C384	NCB31EK-104X	C CAPACITOR	0.1uF 25V K		R42	NRS181J-100X	MG RESISTOR	10Ω 1/8W J	
C385	QERF1EM-475Z	E CAPACITOR	4.7uF 25V M		R43	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
C386	QERF1AM-107Z	E CAPACITOR	100uF 10V M		R44	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
C387	QERF1HM-105Z	E CAPACITOR	1uF 50V M		R60	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
C388	QERF1HM-105Z	E CAPACITOR	1uF 50V M		R81	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
C389	QERF1AM-107Z	E CAPACITOR	100uF 10V M		R82	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
C391	NCB31HK-152X	C CAPACITOR	1500pF 50V K		R91	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
C392	NCB31HK-152X	C CAPACITOR	1500pF 50V K		R92	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
C701	NDC31HJ-220X	C CAPACITOR	22pF 50V J		R161	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
C702	NDC31HJ-270X	C CAPACITOR	27pF 50V J		R162	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
C703	NDC31HJ-270X	C CAPACITOR	27pF 50V J		R163	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
C704	NDC31HJ-8R0X	C CAPACITOR	8pF 50V J		R164	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C705	NCB31EK-104X	C CAPACITOR	0.1uF 25V K		R165	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
C707	NCB31EK-473X	C CAPACITOR	0.047uF 25V K		R166	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
C708	NCB31EK-473X	C CAPACITOR	0.047uF 25V K		R167	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
C709	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R168	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
C710	QERF0JM-476Z	E CAPACITOR	47uF 6.3V M		R169	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
C716	NCB31EK-104X	C CAPACITOR	0.1uF 25V K		R170	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
C718	NCB31EK-104X	C CAPACITOR	0.1uF 25V K		R241	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
C719	NCB31EK-104X	C CAPACITOR	0.1uF 25V K		R242	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
C720	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R243	NRSA63J-184X	MG RESISTOR	180kΩ 1/16W J	
C721	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R244	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
C722	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R245	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
C771	NCB31EK-473X	C CAPACITOR	0.047uF 25V K		R246	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C781	QERF0JM-476Z	E CAPACITOR	47uF 6.3V M		R247	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
C782	NCB31EK-823X	C CAPACITOR	0.082uF 25V K		R248	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
C784	QERF1CM-107Z	E CAPACITOR	100uF 16V M		R251	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
C801	NCB31EK-473X	C CAPACITOR	0.047uF 25V K		R252	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
C841	QERF1HM-105Z	E CAPACITOR	1uF 50V M		R253	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
C851	QERF1CM-106Z	E CAPACITOR	10uF 16V M		R255	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C852	NCB31EK-103X	C CAPACITOR	0.01uF 25V K		R256	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
C881	QERF1CM-226Z	E CAPACITOR	22uF 16V M		R257	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
C891	NCB31EK-104X	C CAPACITOR	0.1uF 25V K		R258	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
C901	QEZO723-338	E CAPACITOR	3300uF		R259	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C902	QERF1HM-225Z	E CAPACITOR	2.2uF 50V M		R260	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
C903	QERF1CM-476Z	E CAPACITOR	47uF 16V M		R261	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
C904	QERF1CM-106Z	E CAPACITOR	10uF 16V M		R271	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
C905	QERF1CM-476Z	E CAPACITOR	47uF 16V M		R272	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
C906	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R273	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
C907	QERF1AM-227Z	E CAPACITOR	220uF 10V M		R274	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
C908	QERF1AM-227Z	E CAPACITOR	220uF 10V M		R275	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
C909	QERF1AM-227Z	E CAPACITOR	220uF 10V M		R276	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
C910	QERF1CM-476Z	E CAPACITOR	47uF 16V M		R277	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
C911	NCB31EK-104X	C CAPACITOR	0.1uF 25V K						

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
R278	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J		R757	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R279	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		R758	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R280	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R759	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R301	NRSA63J-513X	MG RESISTOR	51kΩ 1/16W J		R760	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R302	NRSA63J-513X	MG RESISTOR	51kΩ 1/16W J		R761	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R306	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R762	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R311	NRSA63J-513X	MG RESISTOR	51kΩ 1/16W J		R763	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R312	NRSA63J-513X	MG RESISTOR	51kΩ 1/16W J		R764	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R321	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		R765	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R322	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J		R768	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R323	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R771	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R331	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		R772	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R332	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J		R773	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R333	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R774	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R341	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		R775	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R342	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J		R780	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R343	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R781	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R351	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		R783	NRSA63J-511X	MG RESISTOR	510Ω 1/16W J	
R352	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J		R785	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R353	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R787	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R361	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J		R791	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R362	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J		R792	NRS181J-0R0X	MG RESISTOR	0Ω 1/8W J	
R363	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J		R793	NRSA02J-511X	MG RESISTOR	510Ω 1/10W J	
R365	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J		R794	NRSA02J-511X	MG RESISTOR	510Ω 1/10W J	
R366	NRSA63J-303X	MG RESISTOR	30kΩ 1/16W J		R801	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R367	NRSA63J-303X	MG RESISTOR	30kΩ 1/16W J		R802	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R368	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		R803	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R369	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		R804	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R370	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R805	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R371	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R806	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R381	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J		R807	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R382	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J		R808	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R383	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J		R809	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R385	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J		R810	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R386	NRSA63J-303X	MG RESISTOR	30kΩ 1/16W J		R841	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R387	NRSA63J-303X	MG RESISTOR	30kΩ 1/16W J		R851	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R388	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		R881	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R389	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		R882	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R390	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R891	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R391	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R892	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R701	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		R901	QRE142J-102X	C RESISTOR	1kΩ 1/4W J	
R711	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		R902	NRSA02J-912X	MG RESISTOR	9.1kΩ 1/10W J	
R712	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R903	NRSA02J-472X	MG RESISTOR	4.7kΩ 1/10W J	
R714	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R951	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R715	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		R971	NRS181J-222X	MG RESISTOR	2.2kΩ 1/8W J	
R716	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		R972	NRS181J-222X	MG RESISTOR	2.2kΩ 1/8W J	
R719	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R976	NRSA02J-273X	MG RESISTOR	27kΩ 1/10W J	
R721	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R977	NRSA02J-123X	MG RESISTOR	12kΩ 1/10W J	
R722	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		L1	NQL114M-4R7X	COIL	4.7uH M	
R723	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		L701	NQL114M-4R7X	COIL	4.7uH M	
R725	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		L901	QQR1378-002	COIL		
R726	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J						
R728	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		BZ841	QAN0023-001Z	BUZZER		
R729	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		CN101	QGB2027M4-22S	CONNECTOR	B-B (1-22)	
R732	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		CN251	QGA2501C1-03	CONNECTOR	W-B (1-3)	
R733	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		CN702	QGF1041C3-16W	CONNECTOR	FFC/FPC (1-16)	
R734	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		CN901	QNZ0611-001	16P CONNECTOR		
R735	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		CN951	QGA2501F1-02	CONNECTOR	W-B (1-2)	
R736	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		CN952	QJB005-040909	SIN ID C-B WIRE		
R737	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		J1	QAM0556-001	ANT CABLE		
R738	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J		J321	QNN0489-001	PIN JACK		
R739	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J		J801	QNZ0095-001	CONNECTOR		
R740	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J		PP1	QZW0010-001	STYLE PIN		
R741	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		PP5	QZW0010-001	STYLE PIN		
R743	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		△ TU1	QAU0312-002	TUNER PACK		
R744	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		X31	QAX0616-001Z	CRYSTAL	10.250MHz	
R745	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		X701	QAX0617-001Z	CRYSTAL	12.500MHz	
R746	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		X702	QAX0401-001	CRYSTAL	32.768KHz	
R747	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J						
R748	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J						
R749	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J						
R750	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J						
R751	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J						
R752	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J						
R753	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J						
R754	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J						
R755	NRSA63J-106X	MG RESISTOR	10MΩ 1/16W J						
R756	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J						

Switch board

Block No. [0][2]

Symbol No.	Part No.	Part Name	Description	Local
IC601	PT6578LQ-L	LCD DRIVER		
IC602	RPM7338-V4	RM.RECEIVER		
Q641	2SB624/I-X	TRANSISTOR		
Q643	UN2211-X	TRANSISTOR		
D601	SML-310LT/MN/-X	LED		
D602	SML-310VT/JK/-X	LED		
D603	SML-310VT/JK/-X	LED		
D604	SML-310VT/JK/-X	LED		
D605	SML-310VT/JK/-X	LED		
D606	SML-310VT/JK/-X	LED		
D607	SML-310VT/JK/-X	LED		
D608	SML-310VT/JK/-X	LED		
D609	SML-310VT/JK/-X	LED		
D610	SML-310VT/JK/-X	LED		
D611	SML-310VT/JK/-X	LED		
D612	SML-310VT/JK/-X	LED		
D613	SML-310VT/JK/-X	LED		
D614	SML-310VT/JK/-X	LED		
D616	SML-310VT/JK/-X	LED		
D617	SML-310VT/JK/-X	LED		
D618	SML-310VT/JK/-X	LED		
D620	SML-310VT/JK/-X	LED		
D621	SML-310VT/JK/-X	LED		
D622	SML-310VT/JK/-X	LED		
D623	SML-310VT/JK/-X	LED		
D641	NSPW310BS/BRST/	WHITE LED		
D642	NSPW310BS/BRST/	WHITE LED		
D643	NSPW310BS/BRST/	WHITE LED		
D650	MA8091/M/-X	Z DIODE		
D651	MA8051/M/-X	Z DIODE		
D652	MA111-X	SI DIODE		
D653	MA111-X	SI DIODE		
D654	MA111-X	SI DIODE		
D655	MA111-X	SI DIODE		
D656	MA111-X	SI DIODE		
D657	MA111-X	SI DIODE		
D658	MA111-X	SI DIODE		
D680	MA8056/M/-X	Z DIODE		
C601	NBE20JM-475X	TA E CAPACITOR	4.7uF 6.3V M	
C602	NCS31HJ-681X	C CAPACITOR	680pF 50V J	
C603	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C604	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C605	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C608	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C609	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C610	NBE21CM-475X	TA E CAPACITOR	4.7uF 16V M	
C611	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C612	NBE20JM-475X	TA E CAPACITOR	4.7uF 6.3V M	
C680	NBE20JM-475X	TA E CAPACITOR	4.7uF 6.3V M	
R601	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R602	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R603	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R604	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R605	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R606	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R607	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R608	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R609	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R610	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R611	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R612	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R613	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R614	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R615	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R622	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R624	NRSA02J-821X	MG RESISTOR	820Ω 1/10W J	
R625	NRSA02J-561X	MG RESISTOR	560Ω 1/10W J	
R628	NRSA02J-821X	MG RESISTOR	820Ω 1/10W J	
R630	NRSA02J-561X	MG RESISTOR	560Ω 1/10W J	
R632	NRSA02J-561X	MG RESISTOR	560Ω 1/10W J	

Symbol No.	Part No.	Part Name	Description	Local
R633	NRSA02J-561X	MG RESISTOR	560Ω 1/10W J	
R636	NRSA02J-561X	MG RESISTOR	560Ω 1/10W J	
R638	NRSA02J-561X	MG RESISTOR	560Ω 1/10W J	
R639	NRSA02J-821X	MG RESISTOR	820Ω 1/10W J	
R642	NRSA02J-821X	MG RESISTOR	820Ω 1/10W J	
R644	NRSA02J-561X	MG RESISTOR	560Ω 1/10W J	
R645	NRSA02J-821X	MG RESISTOR	820Ω 1/10W J	
R647	NRSA02J-561X	MG RESISTOR	560Ω 1/10W J	
R649	NRSA02J-561X	MG RESISTOR	560Ω 1/10W J	
R655	NRS181J-431X	MG RESISTOR	430Ω 1/8W J	
R656	NRS181J-431X	MG RESISTOR	430Ω 1/8W J	
R657	NRS181J-431X	MG RESISTOR	430Ω 1/8W J	
R658	NRS181J-471X	MG RESISTOR	470Ω 1/8W J	
R659	NRS181J-473X	MG RESISTOR	47kΩ 1/8W J	
R660	NRS181J-102X	MG RESISTOR	1kΩ 1/8W J	
R665	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R668	NRS181J-102X	MG RESISTOR	1kΩ 1/8W J	
R669	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R670	NRSA63J-394X	MG RESISTOR	390kΩ 1/16W J	
R671	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R672	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R673	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R674	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R675	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J	
R676	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R677	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R678	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R679	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R680	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R681	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R685	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R690	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	

CN601	NNZ0098-003X	CAR CONNECTOR		
JS601	QSW0793-001	ROTARY ENCODER		
S601	NSW0206-001X	TACT SWITCH		
S602	NSW0206-001X	TACT SWITCH		
S603	NSW0206-001X	TACT SWITCH		
S605	NSW0206-001X	TACT SWITCH		
S606	NSW0206-001X	TACT SWITCH		
S607	NSW0206-001X	TACT SWITCH		
S608	NSW0206-001X	TACT SWITCH		
S609	NSW0206-001X	TACT SWITCH		
S610	NSW0206-001X	TACT SWITCH		
S611	NSW0206-001X	TACT SWITCH		
S612	NSW0206-001X	TACT SWITCH		
S613	NSW0206-001X	TACT SWITCH		
S614	NSW0206-001X	TACT SWITCH		
S615	NSW0206-001X	TACT SWITCH		
S616	NSW0206-001X	TACT SWITCH		
S617	NSW0206-001X	TACT SWITCH		
S690	NSW0206-001X	TACT SWITCH		
SD601	NSW0218-001X	LUMISWITCH		
SD602	NSW0218-001X	LUMISWITCH		
TH685	NAD0028-103X	N THERMISTOR	10kΩ	

Mechanism control board

Block No. [0][3]

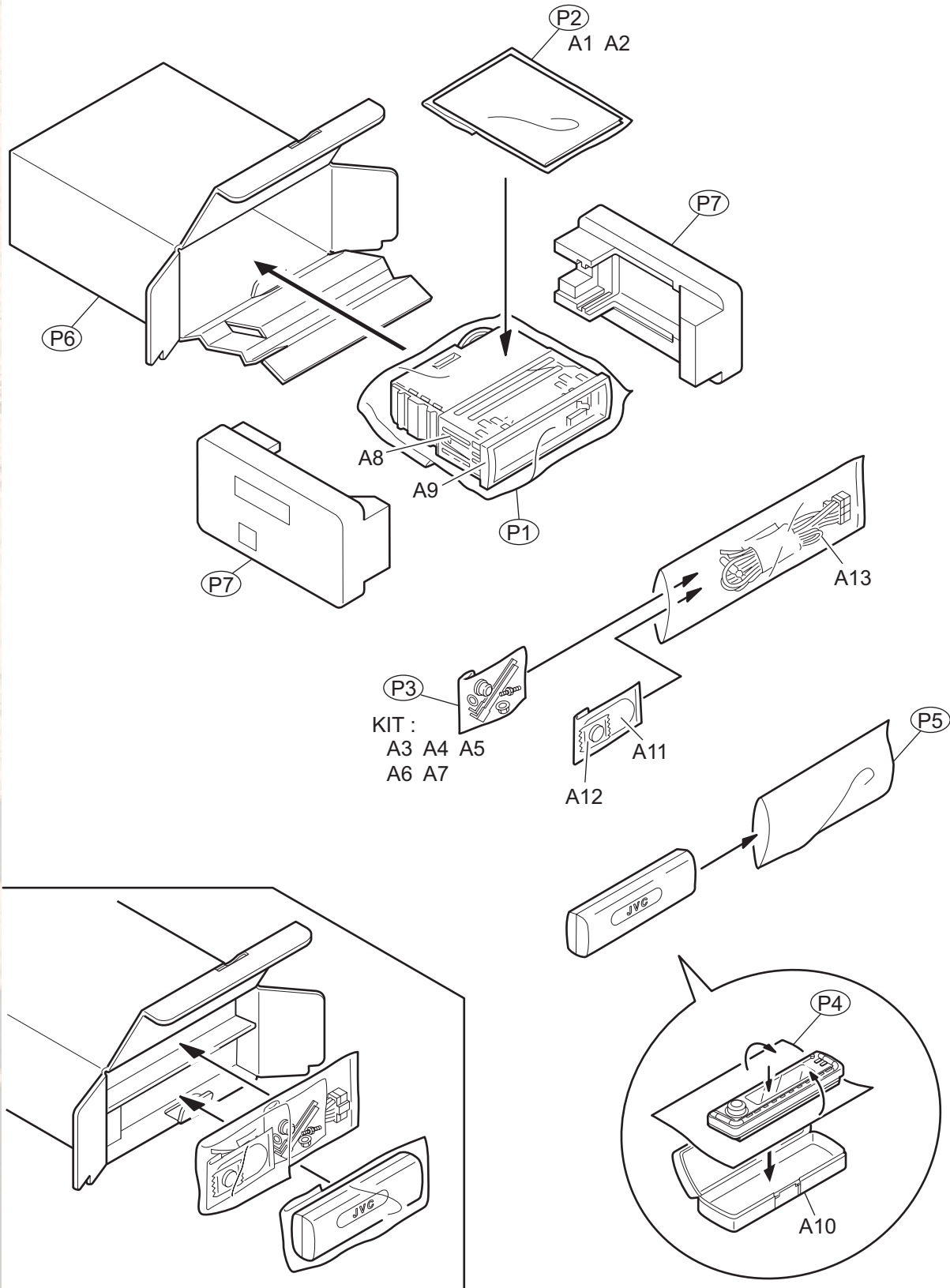
Symbol No.	Part No.	Part Name	Description	Local
△ IC501	TMP91CW12AF5VD9	IC		
IC502	BR24L01AFV-W-X	IC		
IC503	SN74AHCT126PW-X	IC(DIGITAL)		
IC504	NJU7241F33-X	IC		
IC571	PCM1753-X	IC		
IC572	NJM4580V-X	IC		
IC573	SN74AHC04PW-X	IC		
IC601	TA2157FN-X	RF AMP IC		
△ IC621	TC94A14FA	CD LSI IC		
IC651	NJU7772F15-X	IC		
△ IC652	TC94A34FG-002	IC		
IC681	BA5830FP-X	IC		

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
Q501	UN2111-X	TRANSISTOR			C628	NEAG0JM-476X	E CAPACITOR	47uF 6.3V M	
Q502	UN2211-X	TRANSISTOR			C629	NCB31EK-333X	C CAPACITOR	0.033uF 25V K	
Q571	UN2111-X	TRANSISTOR			C630	NCB31EK-333X	C CAPACITOR	0.033uF 25V K	
Q572	UN2211-X	TRANSISTOR			C631	NDC31HJ-471X	C CAPACITOR	470pF 50V J	
Q573	2SB624/4-X	TRANSISTOR			C632	NDC31HJ-471X	C CAPACITOR	470pF 50V J	
Q574	UN2211-X	TRANSISTOR			C633	NCB31CK-473X	C CAPACITOR	0.047uF 16V K	
Q601	2SB1132/QR-W	TRANSISTOR			C634	NCB31CK-473X	C CAPACITOR	0.047uF 16V K	
Q651	2SB624/4-X	TRANSISTOR			C635	NCB31CK-473X	C CAPACITOR	0.047uF 16V K	
Q652	UN2211-X	TRANSISTOR			C636	NCB31CK-473X	C CAPACITOR	0.047uF 16V K	
△ Q681	2SB1184/QR-X	TRANSISTOR			C637	NCB31CK-473X	C CAPACITOR	0.047uF 16V K	
D506	MA111-X	SI DIODE			C638	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
D682	1SR154-400-X	DIODE			C639	NEAG0JM-476X	E CAPACITOR	47uF 6.3V M	
C501	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		C640	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C502	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		C641	NEAG0JM-476X	E CAPACITOR	47uF 6.3V M	
C503	NEAG0JM-107X	E CAPACITOR	100uF 6.3V M		C642	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C504	NDC31HJ-220X	C CAPACITOR	22pF 50V J		C643	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C505	NDC31HJ-220X	C CAPACITOR	22pF 50V J		C644	NCB31AK-334X	C CAPACITOR	0.33uF 10V K	
C506	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		C645	NEAG0JM-476X	E CAPACITOR	47uF 6.3V M	
C507	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		C646	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C508	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		C651	NEAG0JM-476X	E CAPACITOR	47uF 6.3V M	
C509	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		C652	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C510	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		C653	NEAG0JM-476X	E CAPACITOR	47uF 6.3V M	
C511	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C654	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C512	NEAG0JM-107X	E CAPACITOR	100uF 6.3V M		C655	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C513	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		C656	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C514	NCS31HJ-102X	C CAPACITOR	1000pF 50V J		C659	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C551	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		C660	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C561	NCB31EK-123X	C CAPACITOR	0.012uF 25V K		C661	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C571	NDC31HJ-270X	C CAPACITOR	27pF 50V J		C662	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C572	NDC31HJ-270X	C CAPACITOR	27pF 50V J		C663	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C573	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C664	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C574	NEAG0JM-107X	E CAPACITOR	100uF 6.3V M		C665	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C575	NEAG0JM-107X	E CAPACITOR	100uF 6.3V M		C666	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C577	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C667	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C578	NEAG0JM-107X	E CAPACITOR	100uF 6.3V M		C668	NEAG0JM-476X	E CAPACITOR	47uF 6.3V M	
C580	NCB31EK-123X	C CAPACITOR	0.012uF 25V K		C669	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C581	NDC31HJ-101X	C CAPACITOR	100pF 50V J		C682	NEAG1VM-475X	E CAPACITOR	4.7uF 35V M	
C582	NDC31HJ-101X	C CAPACITOR	100pF 50V J		C683	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C583	NCS31HJ-821X	C CAPACITOR	820pF 50V J		C684	NEAG1CM-476X	E CAPACITOR	47uF 16V M	
C584	NCS31HJ-821X	C CAPACITOR	820pF 50V J		C689	NEAG1CM-476X	E CAPACITOR	47uF 16V M	
C585	NEAG1VM-475X	E CAPACITOR	4.7uF 35V M		C690	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C586	NEAG1VM-475X	E CAPACITOR	4.7uF 35V M		C693	NEAG1CM-476X	E CAPACITOR	47uF 16V M	
C587	NDC31HJ-151X	C CAPACITOR	150pF 50V J		R501	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C588	NDC31HJ-151X	C CAPACITOR	150pF 50V J		R502	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C589	NEAG1VM-475X	E CAPACITOR	4.7uF 35V M		R503	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C590	NEAG1VM-475X	E CAPACITOR	4.7uF 35V M		R504	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
C591	NEAG0JM-476X	E CAPACITOR	47uF 6.3V M		R505	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
C592	NEAG0JM-476X	E CAPACITOR	47uF 6.3V M		R506	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
C593	NEAG1CM-476X	E CAPACITOR	47uF 16V M		R507	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
C594	NCS31HJ-102X	C CAPACITOR	1000pF 50V J		R508	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
C595	NCB31CK-473X	C CAPACITOR	0.047uF 16V K		R509	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
C596	NDC31HJ-101X	C CAPACITOR	100pF 50V J		R510	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
C597	NCS31HJ-102X	C CAPACITOR	1000pF 50V J		R511	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C598	NCS31HJ-102X	C CAPACITOR	1000pF 50V J		R512	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
C601	NEAG0JM-476X	E CAPACITOR	47uF 6.3V M		R513	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C602	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R514	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
C603	NEAG0JM-107X	E CAPACITOR	100uF 6.3V M		R515	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
C604	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R516	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C605	NCB31HK-682X	C CAPACITOR	6800pF 50V K		R517	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
C606	NEAG0JM-476X	E CAPACITOR	47uF 6.3V M		R518	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
C607	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R519	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
C608	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R520	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
C609	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R521	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
C610	NDC31HJ-5R0X	C CAPACITOR	5pF 50V J		R522	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
C611	NDC31HJ-680X	C CAPACITOR	68pF 50V J		R523	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
C612	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R525	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
C613	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R526	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
C614	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R528	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
C616	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M		R530	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
C621	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R531	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
C622	NEAG0JM-476X	E CAPACITOR	47uF 6.3V M		R532	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C623	NDC31HJ-470X	C CAPACITOR	47pF 50V J		R533	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
C624	NCB31HK-153X	C CAPACITOR	0.015uF 50V K		R534	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
C625	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R535	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
C626	NCB31HK-272X	C CAPACITOR	2700pF 50V K		R536	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
C627	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R537	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
					R539	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
R540	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		R633	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R541	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R634	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R542	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R635	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R543	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R636	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R544	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R637	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R545	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R638	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R546	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J		R639	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R547	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J		R640	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R548	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J		R641	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R549	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J		R642	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R550	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J		R651	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R551	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J		R654	NRSA63J-390X	MG RESISTOR	39Ω 1/16W J	
R552	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J		R655	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R553	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J		R656	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R554	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J		R657	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R555	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R668	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R556	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R675	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R557	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J		R681	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R558	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J		R682	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R559	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R683	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R560	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R684	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R561	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J		R685	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R562	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J		R686	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R563	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J		R687	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R568	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R688	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R569	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R689	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R570	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R690	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R572	NRSA63J-225X	MG RESISTOR	2.2MΩ 1/16W J		R691	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R573	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		L501	NQL114K-470X	INDUCITOR	47uH K	
R574	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J		L502	NQL114K-470X	INDUCITOR	47uH K	
R575	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		L572	NQL114K-470X	INDUCITOR	47uH K	
R576	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		L621	NQL114K-470X	INDUCITOR	47uH K	
R577	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		L622	NQL114K-470X	INDUCITOR	47uH K	
R578	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		L623	NQL114K-470X	INDUCITOR	47uH K	
R579	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		L651	NQL114K-470X	INDUCITOR	47uH K	
R581	NRSA63J-243X	MG RESISTOR	24kΩ 1/16W J		L652	NQL114K-470X	INDUCITOR	47uH K	
R582	NRSA63J-243X	MG RESISTOR	24kΩ 1/16W J		L653	NQL114K-470X	INDUCITOR	47uH K	
R583	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J		CN501	QGB2027L1-22X	CONNECTOR	B-B (1-22)	
R584	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J		CN601	QGF0527F2-22W	CONNECTOR	FFC/FPC (1-22)	
R585	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J		TH501	NAD0028-103X	N THERMISTOR	10kΩ	
R586	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J		X501	NAX0385-001X	CRYSTAL	24.576MHz	
R587	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		X571	NAX0375-001X	CRYSTAL	16.9344MHz	
R588	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J						
R589	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J						
R590	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J						
R591	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J						
R592	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J						
R593	NRSA63J-4R7X	MG RESISTOR	4.7Ω 1/16W J						
R594	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J						
R595	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J						
R601	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J						
R602	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J						
R603	NRSA63J-334X	MG RESISTOR	330kΩ 1/16W J						
R604	NRSA63J-334X	MG RESISTOR	330kΩ 1/16W J						
R605	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J						
R606	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J						
R607	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J						
R608	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J						
R609	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J						
R610	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J						
R611	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J						
R612	NRSA63J-202X	MG RESISTOR	2kΩ 1/16W J						
R613	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J						
R614	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J						
R615	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J						
R616	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J						
R621	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J						
R622	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J						
R623	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J						
R624	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J						
R625	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J						
R626	NRSA63J-474X	MG RESISTOR	470kΩ 1/16W J						
R627	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J						
R628	NRSA63J-155X	MG RESISTOR	1.5MΩ 1/16W J						
R629	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J						
R630	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J						
R631	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J						
R632	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J						

Packing materials and accessories parts list

Block No. **M** **3** **M** **M**



Packing and Accessories

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

△ Symbol No.	Part No.	Part Name	Description	Local
A 1	GET0306-001A	INST BOOK	ENG	
A 2	GET0306-002A	INSTALL MANUAL		
A 3	VKZ4027-202	PLUG NUT		
A 4	VKH4871-003	MOUNT BOLT		
A 5	VKZ4328-003	LOCK NUT		
A 6	QYWWS53A008ZA	WASHER	0mm/5.3mm x	
A 7	GE40130-002A	HOOK	(x2)	
A 8	GE20137-003A	MOUNTING SLEEVE		
A 9	GE20164-001A	TRIM PLATE		
A 10	FSJB3002-30C	HARD CASE		
A 11	RM-RK50	REMOCON UNIT		
A 12	-----	BATTERY		
A 13	QAM0308-004	16P CORD ASSY		
KIT	SRW-385U	SCREW PART KIT	A3 A4 A5 A6 A7	
P 1	QPC03004315P	POLY BAG	30cm x 43cm	
P 2	FSPG4002-001	POLY BAG		
P 3	QPA00801205	POLY BAG	8cm x 12cm	
P 4	FSYH4036-068	SHEET		
P 5	QPA01003003	POLY BAG	10cm x 30cm	
P 6	GE31715-001A	CARTON		
P 7	GE10086-004A	CUSHION	(x2)	