

JVC

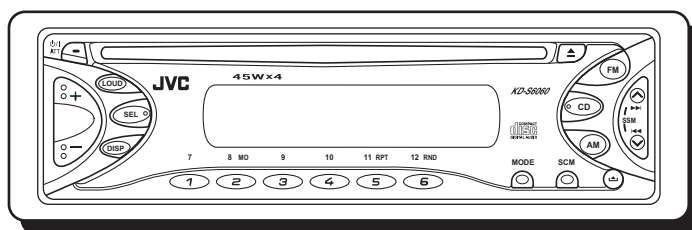
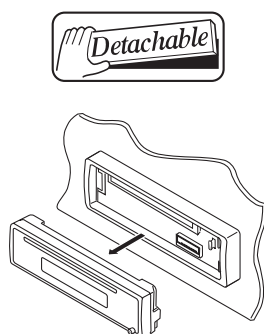
SERVICE MANUAL

CD RECEIVER

KD-S6060

Area suffix

E ----- Continental Europe



COMPACT
disc
DIGITAL AUDIO

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SPECIFICATION


AUDIO AMPLIFIER SECTION		
Maximum Power Output	Front	45 watts per channel
	Rear	45 watts per channel
Continuous Power Output (RMS)	Front	17 watts per channel into 4 Ω , 40 Hz to 20 000 Hz at no more than 0.8% total harmonic distortion.
	Rear	17 watts 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)
Tone Control Range	Bass	± 10 dB at 100 Hz
	Treble	± 10 dB at 10 kHz
Frequency Response		40 Hz to 20 000 Hz
Signal-to-Noise Ratio		70 dB
Line-Out Level/Impedance		2.0 V/20 k Ω load (full scale)
Output Impedance		1 k Ω
TUNER SECTION		
Frequency Range	FM	87.5 MHz to 108.0 MHz
	AM	(MW) 522 kHz to 1 620 kHz
		(LW) 144 kHz to 279 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	30 dB
	Capture Ratio	1.5 dB
[MW Tuner]	Sensitivity	20 μ V
	Selectivity	35 dB
[LW Tuner]	Sensitivity	50 μ V
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		90 dB
Signal-to-Noise Ratio		95 dB
Wow and Flutter		Less than measurable limit
GENERAL		
Power Requirement	Operating Voltage	DC 14.4 volts (11 volts to 16 volts allowance)
Allowable Working Temperature		0°C to +40°C
Grounding System		Negative ground
Dimensions (W \times H \times D)	Installation Size (approx.)	182 mm \times 52 mm \times 150 mm
	Panel Size (approx.)	188 mm \times 58 mm \times 11 mm
Mass (approx.)		1.3 kg (excluding accessories)

Design and specifications are subject to change without notice.

SECTION 1 PRECAUTION

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.

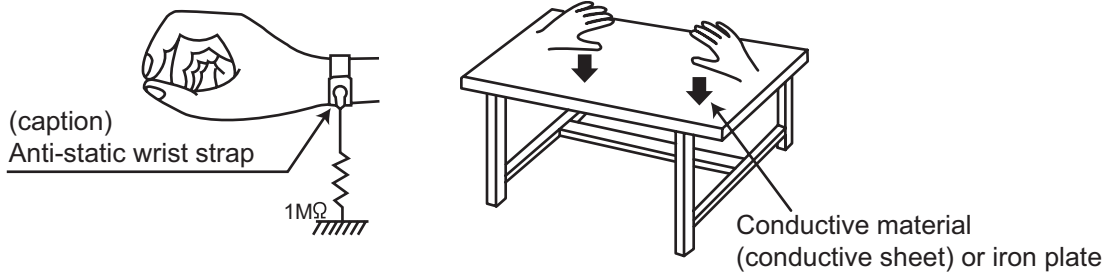
Be careful to use proper grounding in the area where repairs are being performed.

(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.

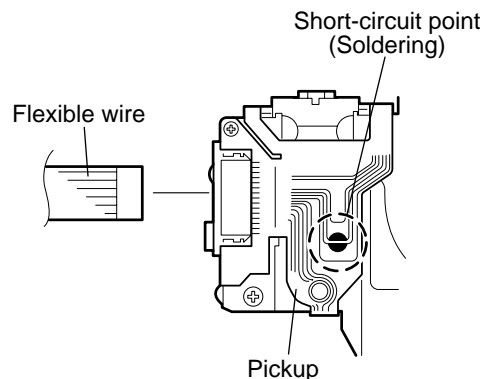
1.3 Handling the traverse unit (optical pickup)

- (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.



SECTION 2
SPECIFIC SERVICE INSTRUCTIONS

This service manual does not describe SPECIFIC SERVICE INSTRUCTIONS.

SECTION 3 DISASSEMBLY

3.1 Main body

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 and remove the front panel assembly.

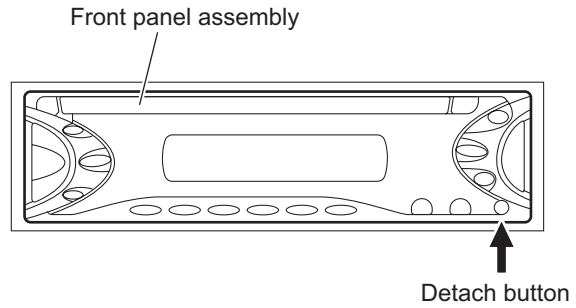


Fig.1

3.1.2 Removing the bottom cover (See Fig.2)

- (1) Turn the main body up side down.
- (2) Insert a screwdriver under the joints to release the two joints **a** on the left side, two joints **b** on the right side and joint **c** on the back side of the main body, then remove the bottom cover from the main body.

CAUTION:

When releasing the joints using a screwdriver, do not damage the main board.

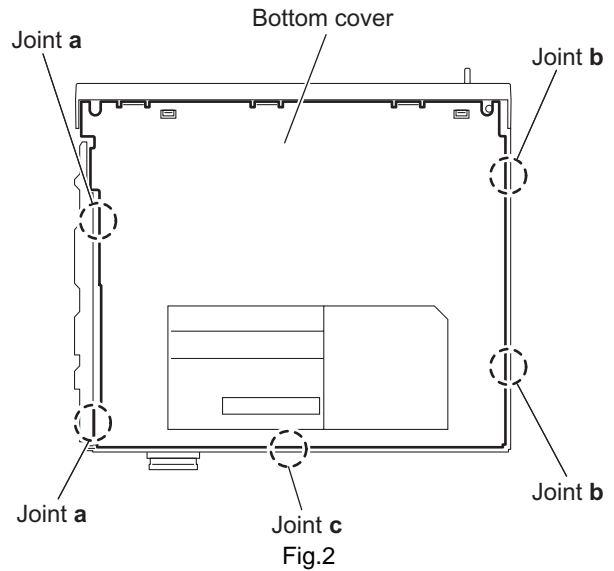


Fig.2

3.1.3 Removing the front chassis assembly (See Fig.3)

- Prior to performing the following procedures, remove the front panel assembly and bottom cover.
- (1) Remove the screw **A** on the left side of the main body.
- (2) Release the two joints **d** and two joints **e** on the both sides of the main body, then remove the front chassis assembly toward the front.

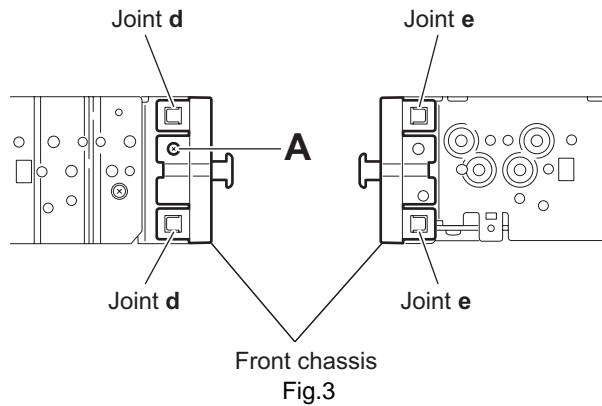
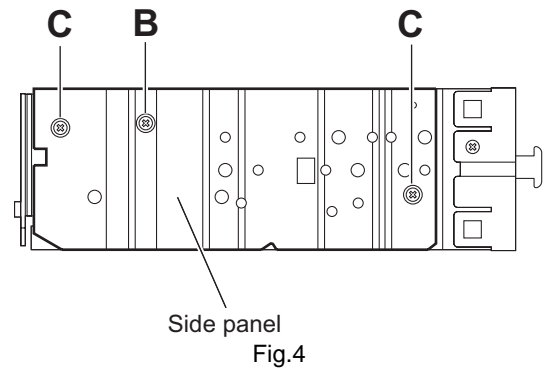


Fig.3

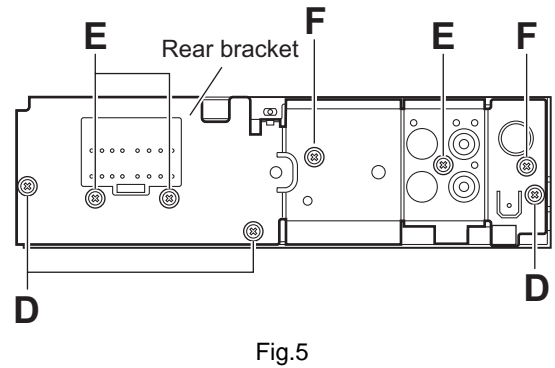
3.1.4 Removing the side panel (See Fig.4)

- Prior to performing the following procedure, remove the front panel assembly as required.
 - (1) Remove the screw **B** and two screws **C** attaching the heat sink on the left side of the main body, and remove the side panel.



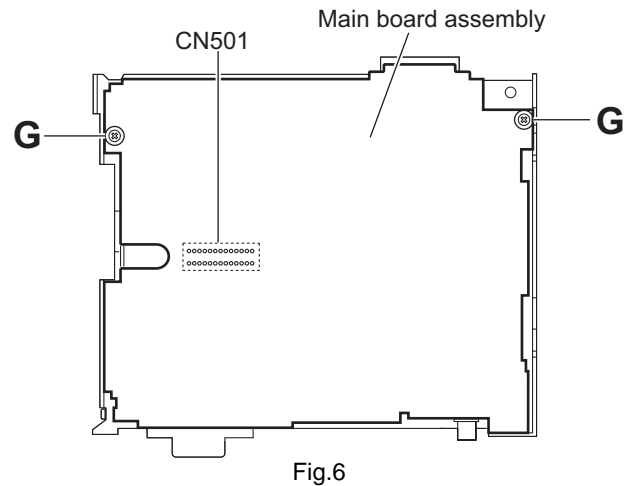
3.1.5 Removing the rear bracket (See Fig.5)

- Prior to performing the following procedure, remove the bottom cover.
 - (1) Remove the three screws **D**, three screws **E** and two screws **F** attaching the rear bracket on the back side of the main body.
 - (2) Remove the rear bracket.



3.1.6 Removing the main board (See Fig.6)

- Prior to performing the following procedure, remove the front panel assembly, front chassis assembly, side panel, bottom cover and rear bracket.
 - (1) Remove the two screws **G** attaching the main board.
 - (2) Disconnect the connector [CN501](#) and remove the main board.



**3.1.7 Removing the CD mechanism assembly
(See Fig.7)**

- Prior to performing the following procedure, remove the front panel assembly, front chassis assembly, side panel, bottom cover, rear bracket, main board and CD mechanism board.
 - (1) Remove the three screws **H** attaching the top chassis.
 - (2) Take out the CD mechanism assembly.

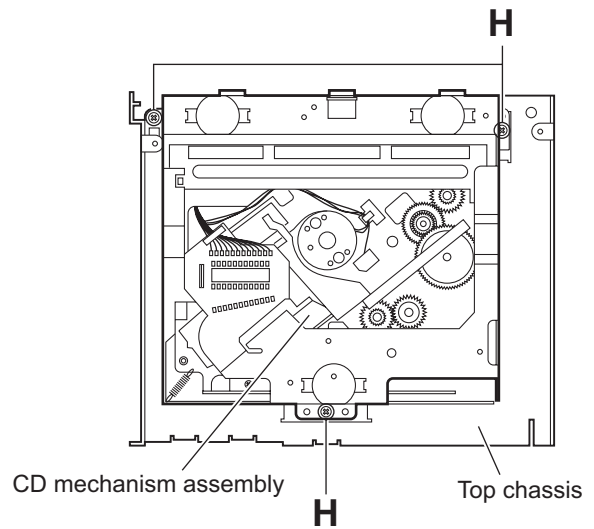


Fig.7

**3.1.8 Removing the front board
(See Figs.8 to 10)**

- Prior to performing the following procedure, remove the front panel assembly.
 - (1) Remove the four screws **J** on the back side of the front panel assembly. (See Fig.8)
 - (2) Release the eleven joints **f**. (See Fig.9)
 - (3) Take out the front board. (See Fig.10)

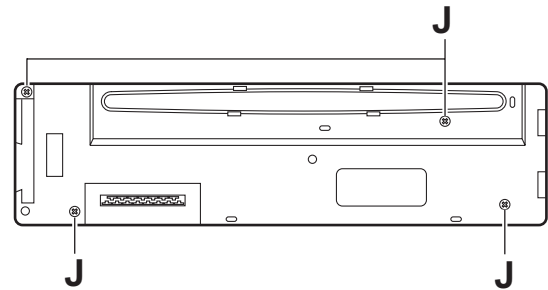


Fig.8

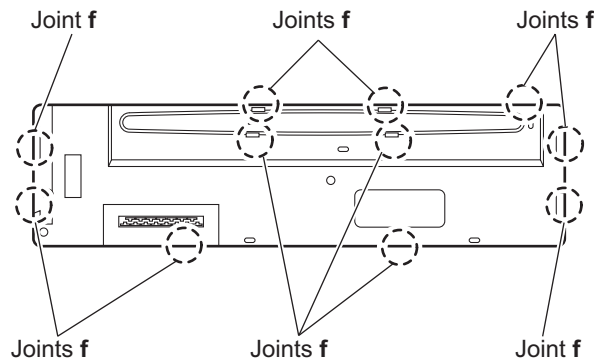


Fig.9

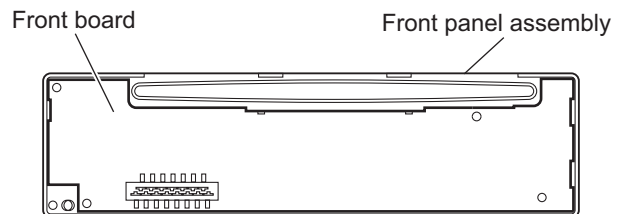


Fig.10

3.2 CD Mechanism Assembly

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

- (1) Remove the two 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**.

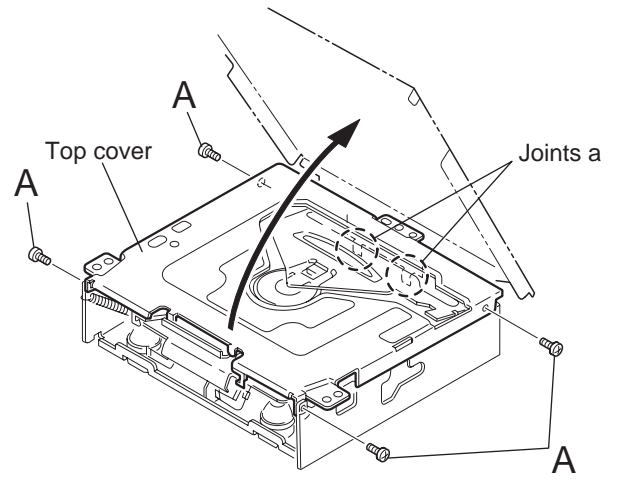


Fig.1

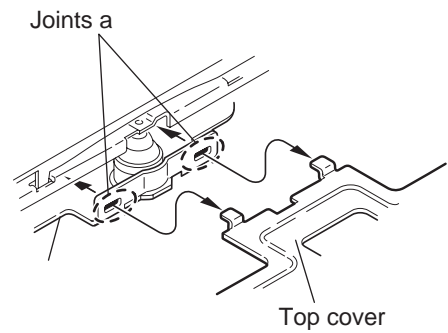


Fig.2

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

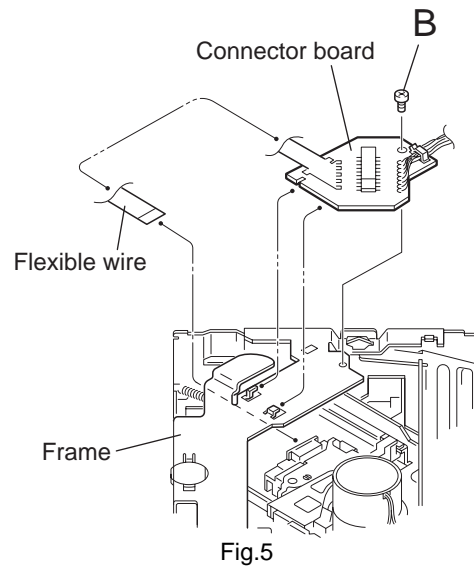
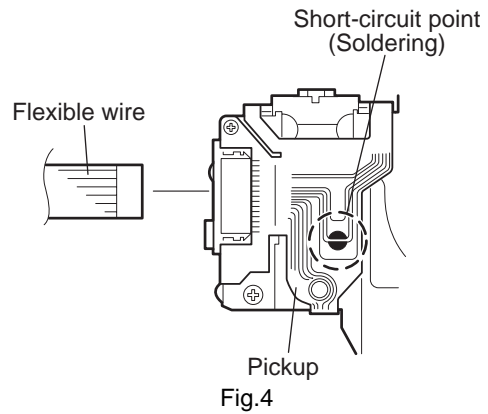
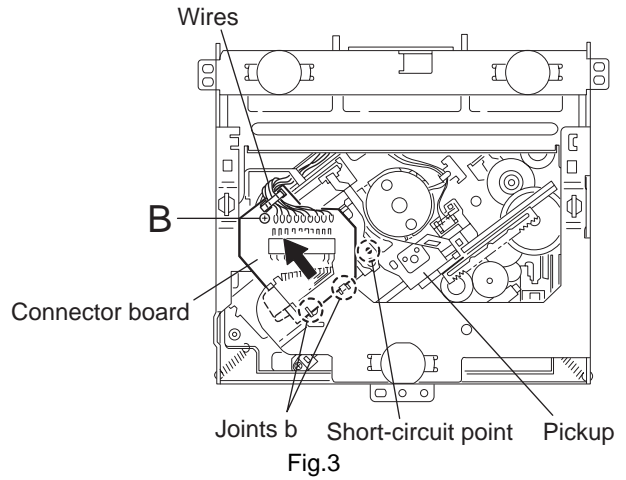
CAUTION:

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 connector board.
- (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 wire 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.

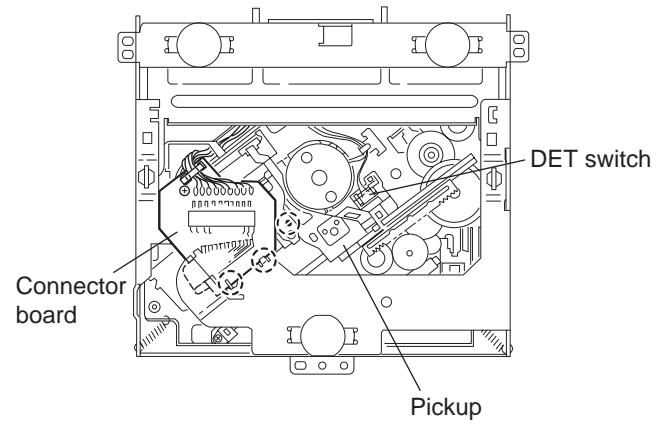


Fig.6

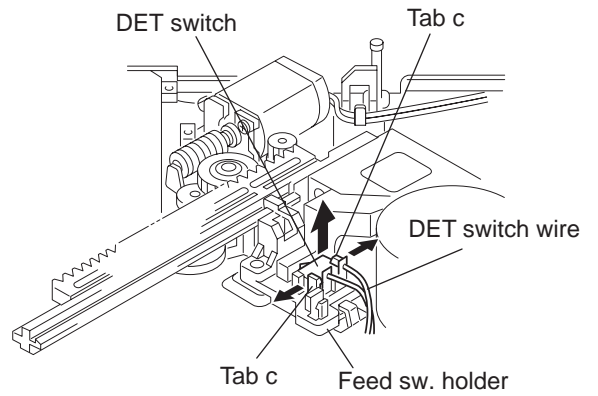


Fig.7

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.

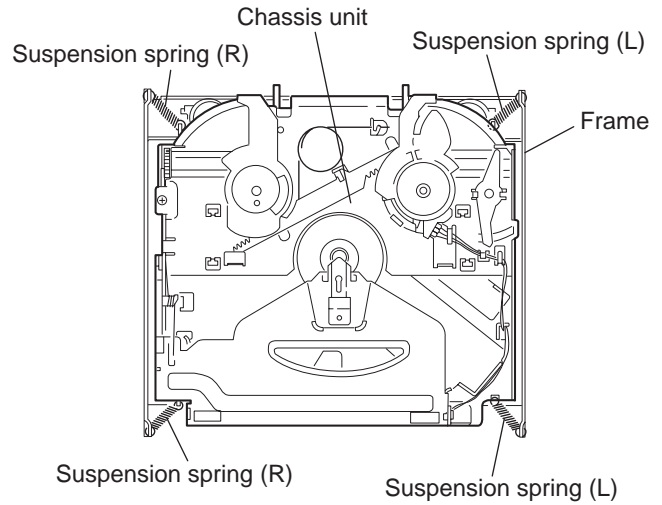


Fig.8

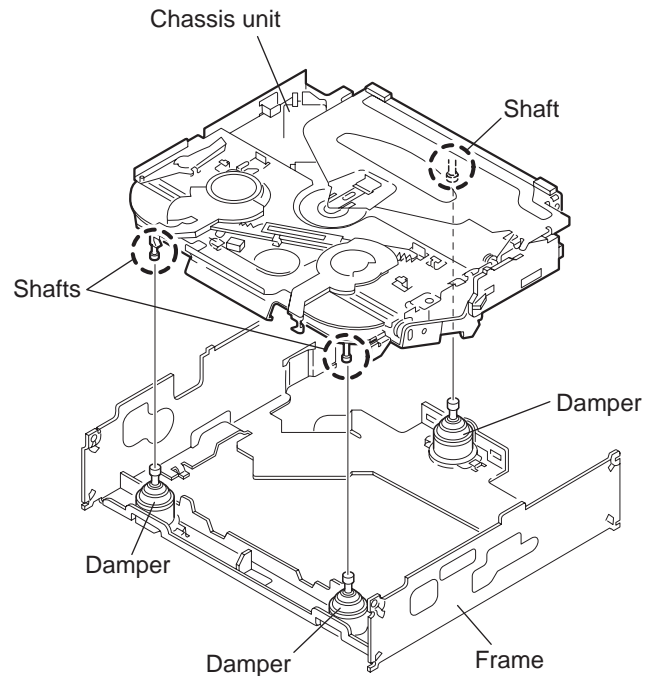
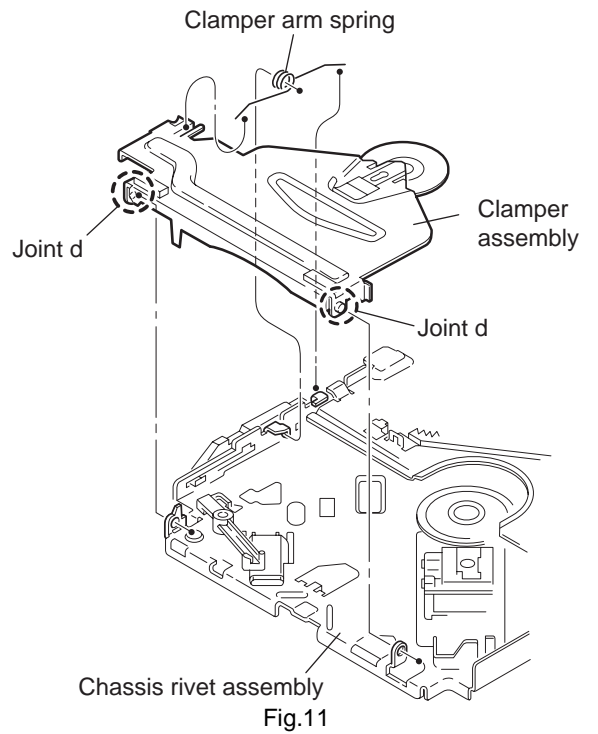
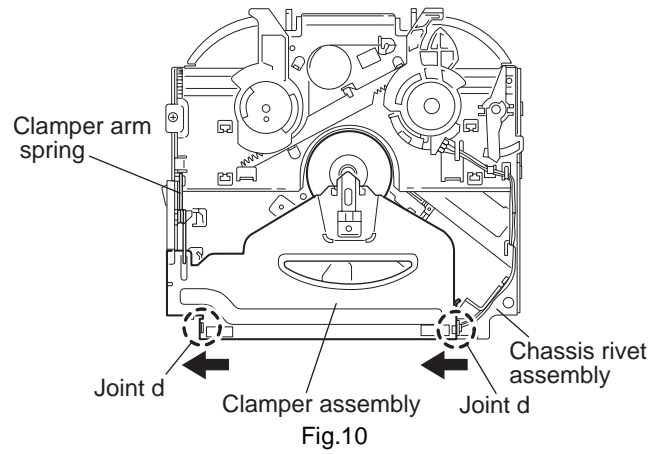


Fig.9

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

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

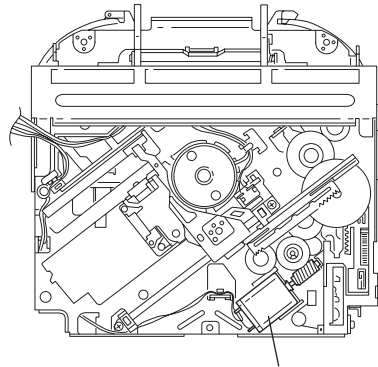


3.2.6 Removing the loading / feed motor assembly (See Figs.12 and 13)

- 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.



Loading / feed motor assembly

Fig.12

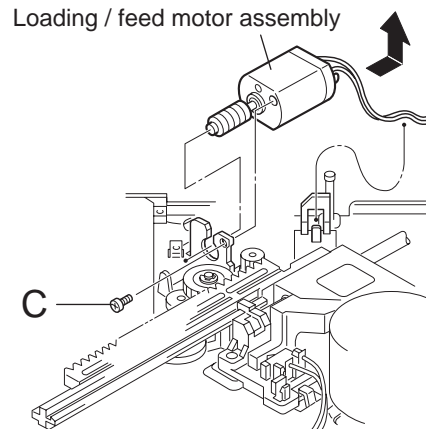


Fig.13

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.

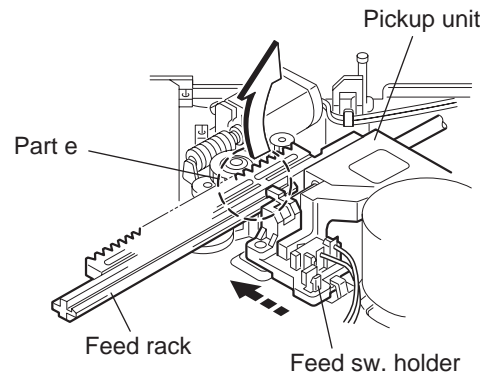


Fig.15

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 part **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**.

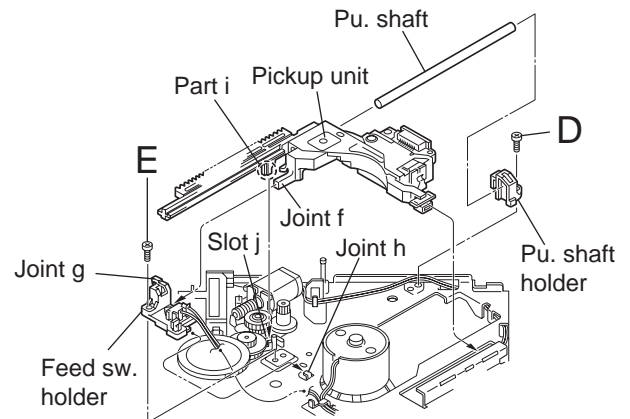


Fig.16

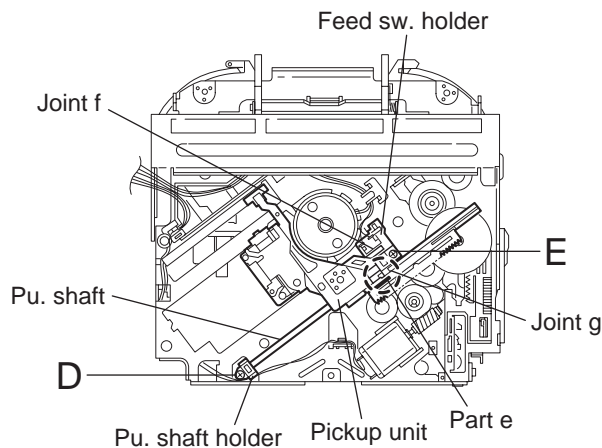


Fig.14

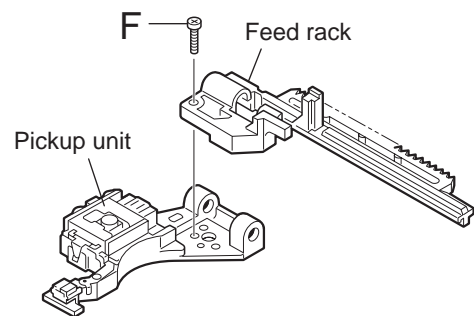


Fig.17

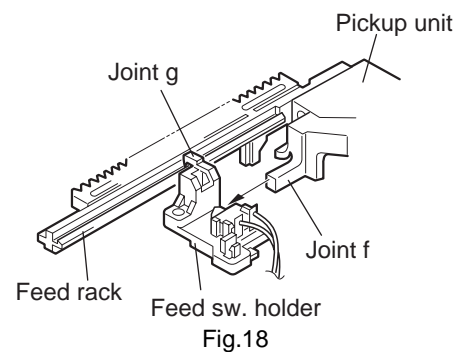


Fig.18

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.

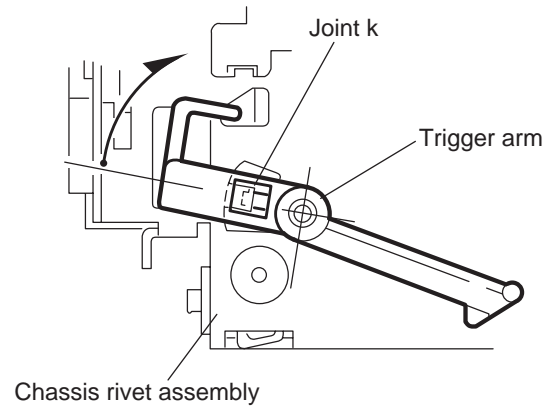


Fig.19

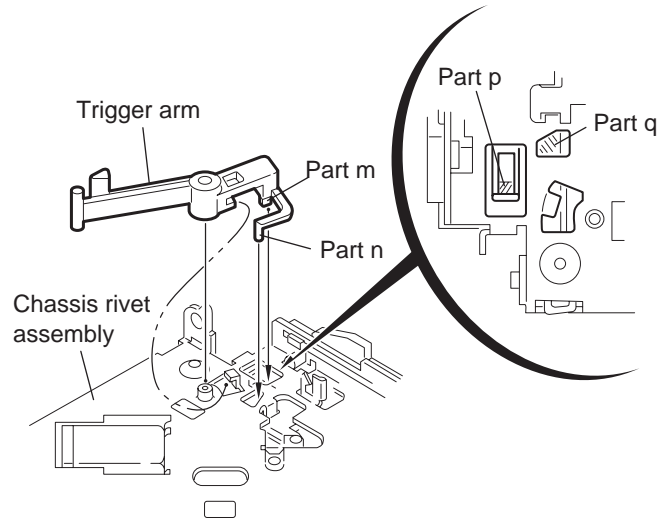


Fig.20

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.

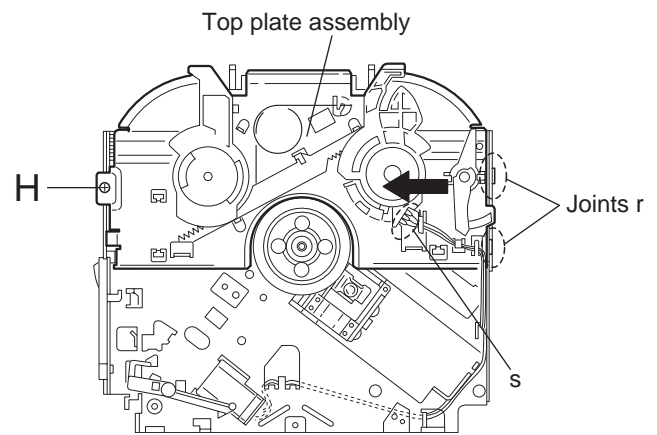


Fig.21

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.

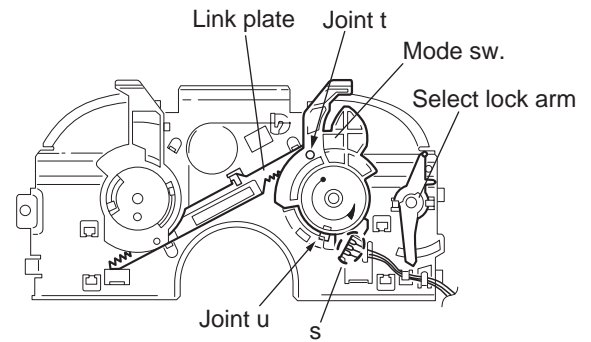


Fig.22

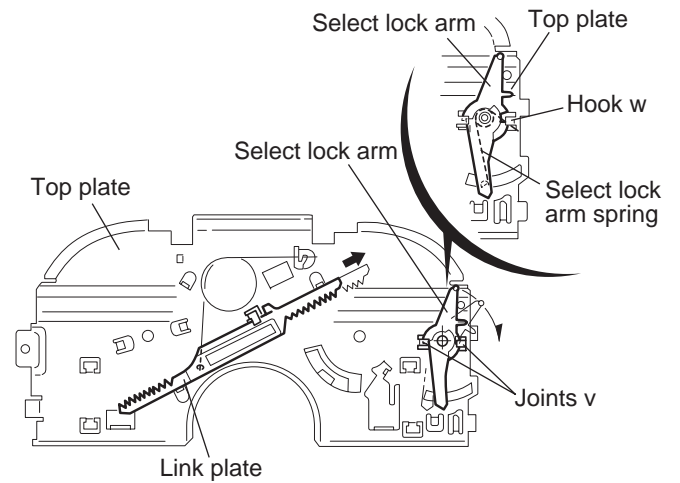


Fig.23

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.

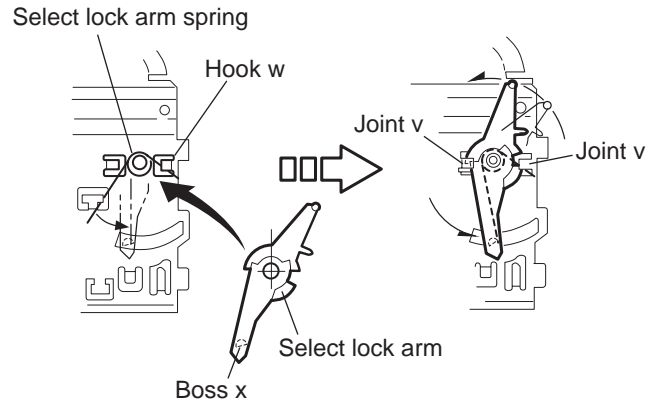


Fig.24

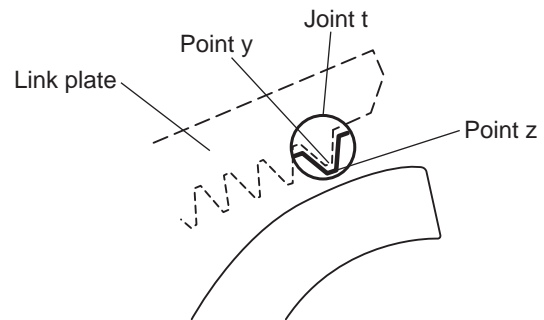


Fig.25

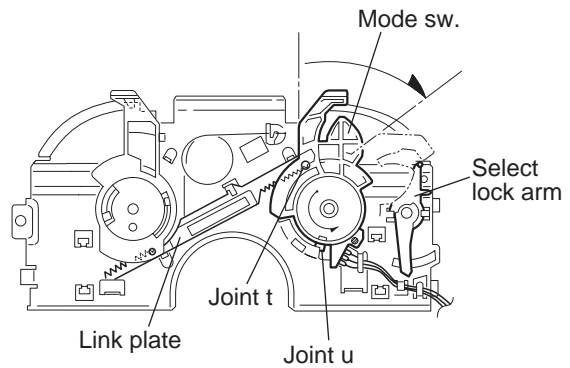


Fig.26

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..

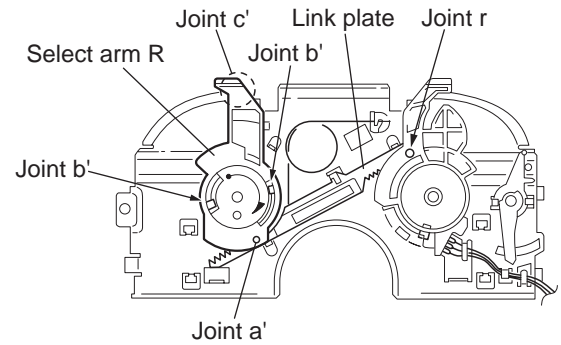


Fig.27

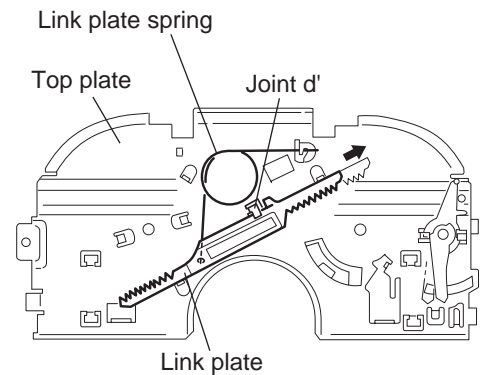


Fig.28

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.

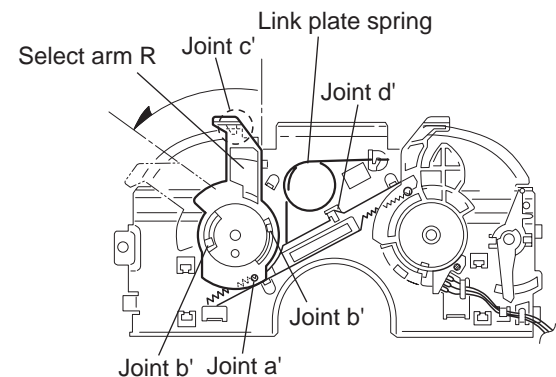


Fig.29

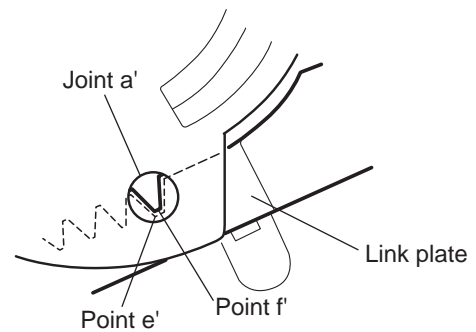


Fig.30

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

- Prior to performing the following procedure, remove the clamper 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.)

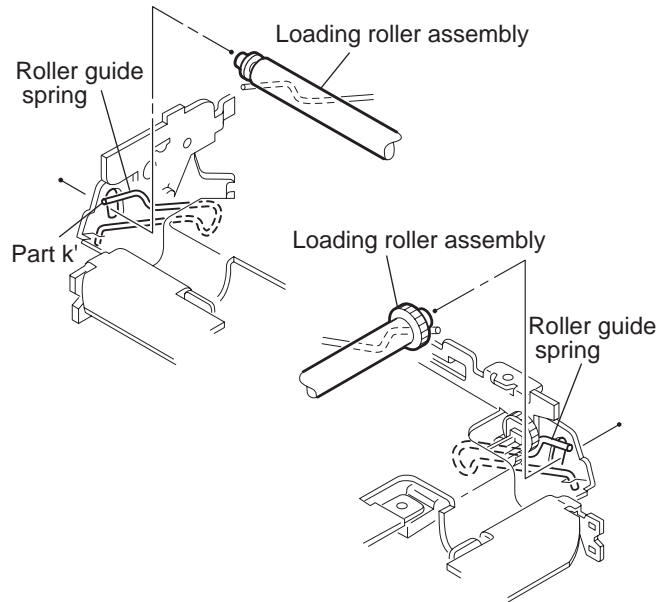


Fig.32

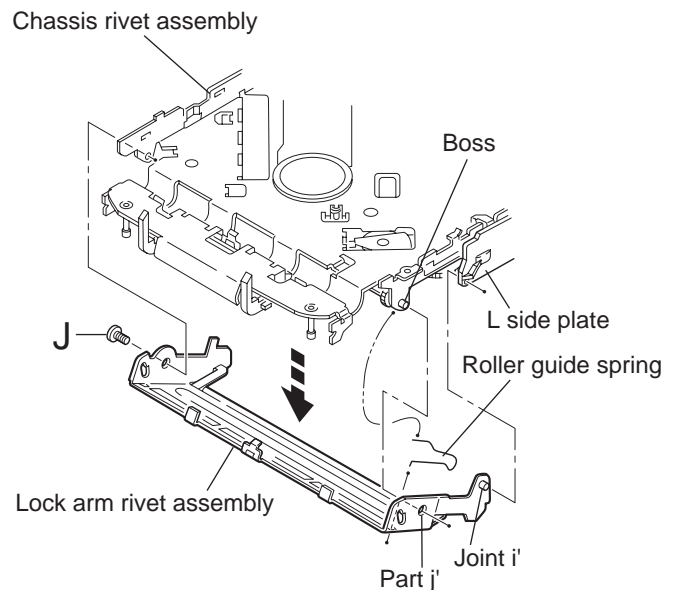


Fig.33

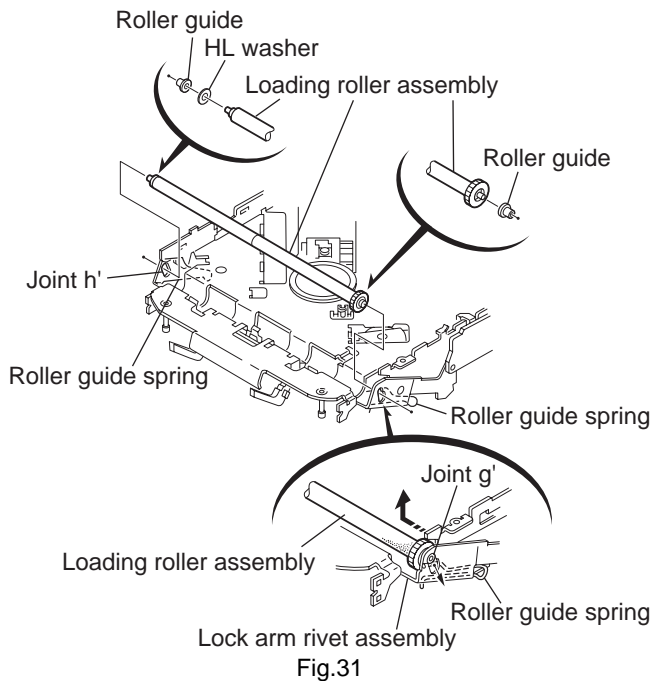


Fig.31

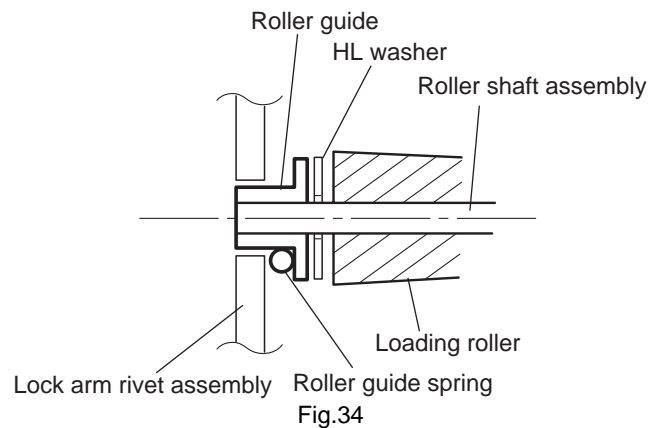


Fig.34

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.

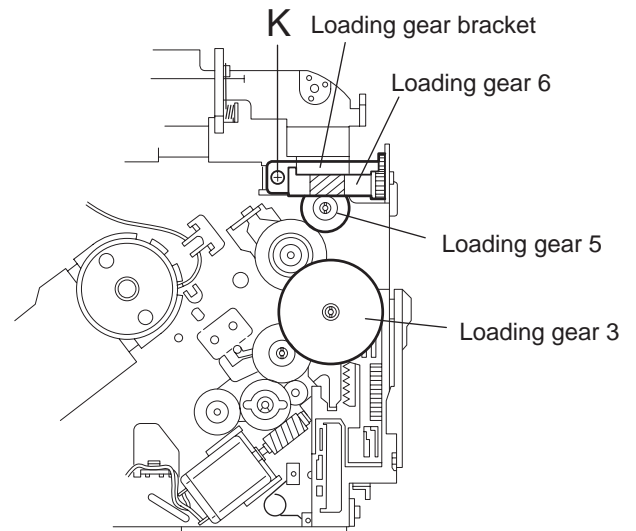


Fig.35

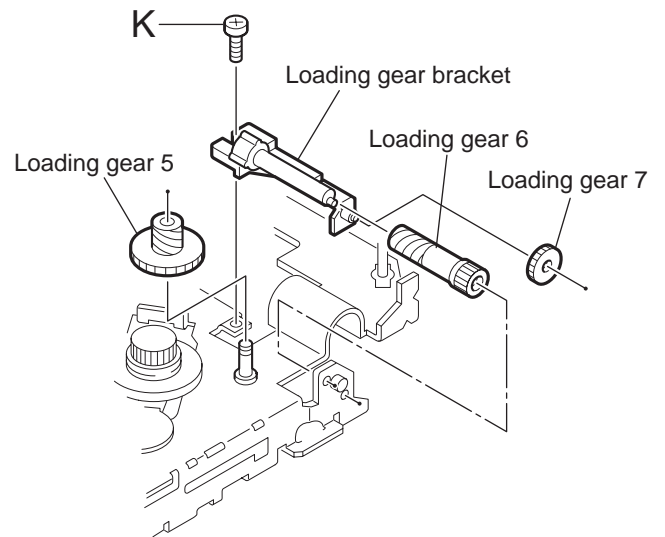


Fig.36

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 changer gear 2.
 - (6) The changer 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.

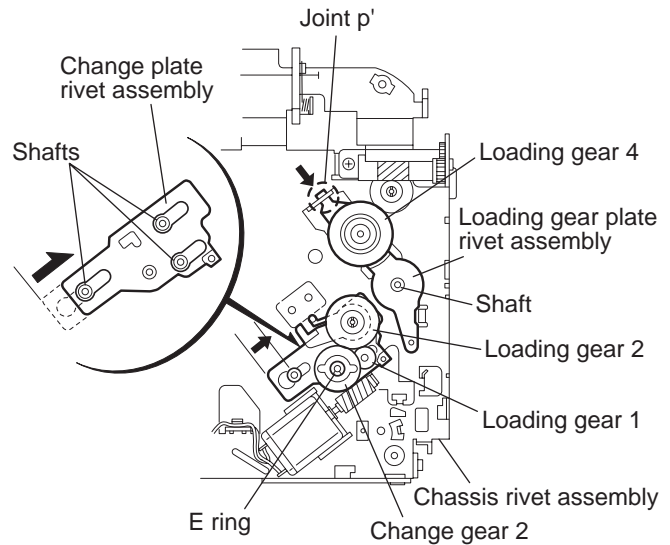
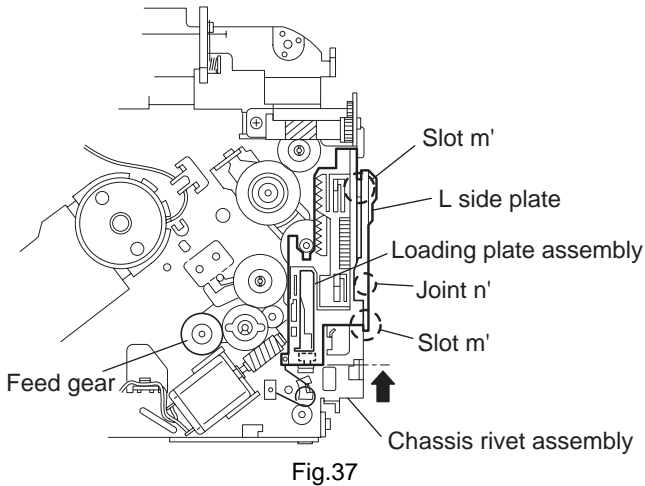


Fig.38

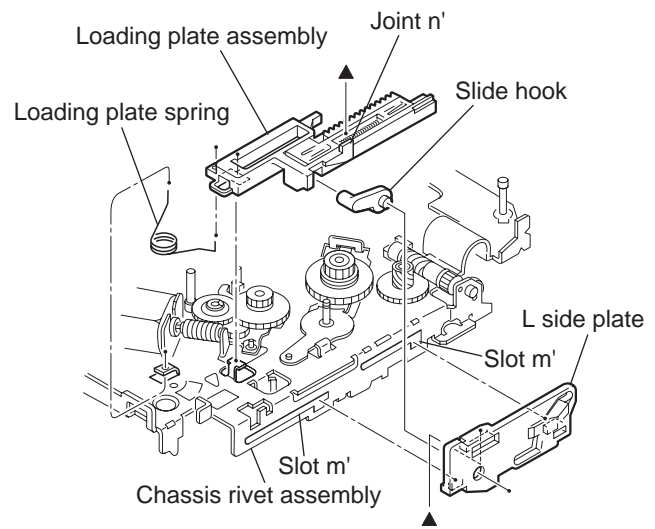


Fig.39

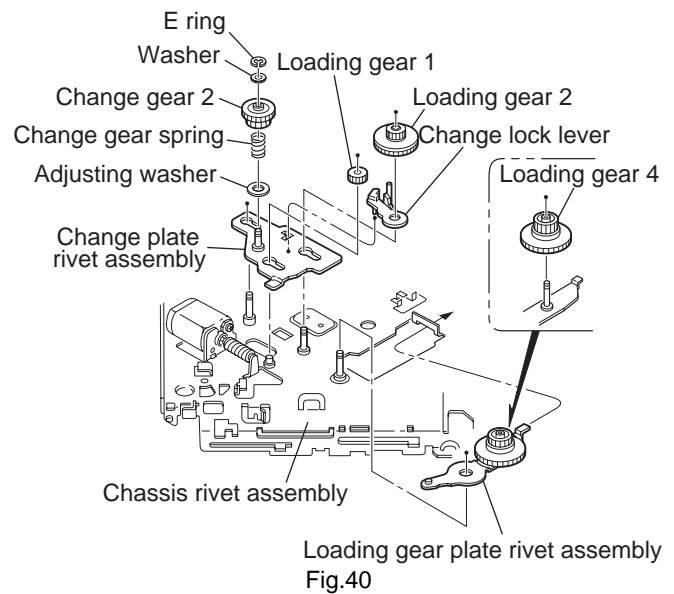
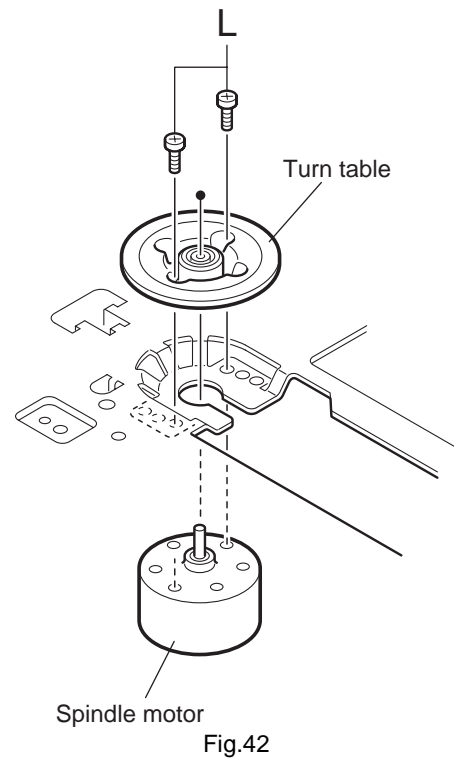
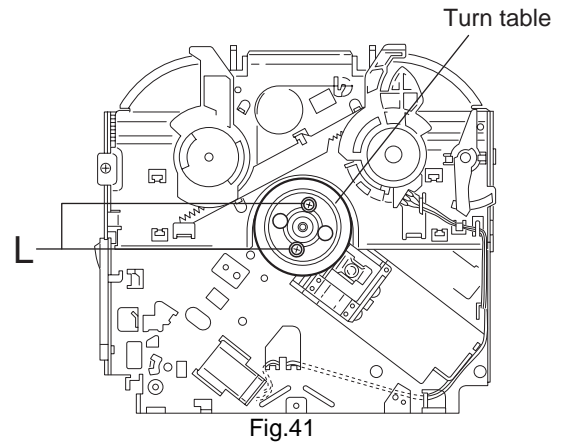


Fig.40

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.



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.

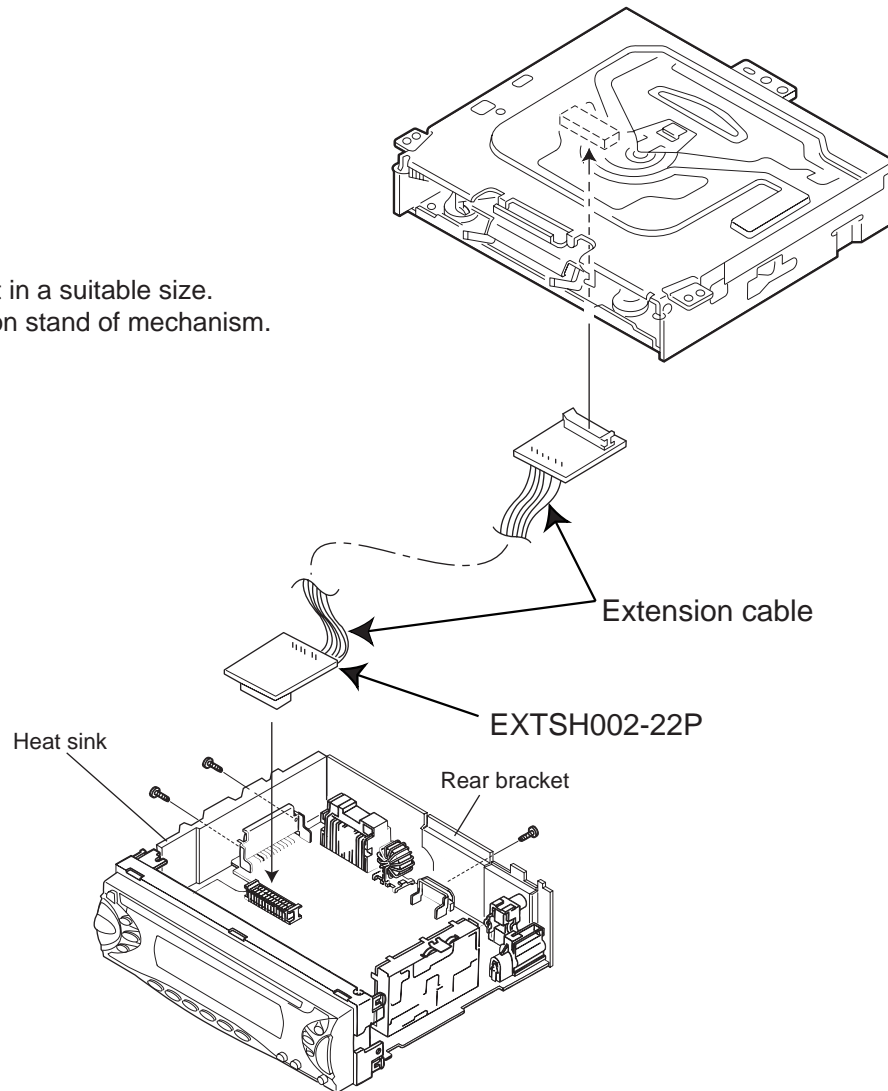
■ Standard measuring conditions

Power supply voltage	DC14.4V(10.5 to 16V)
Load impedance	20K Ω (2 Speakers connection)
Output Level	Line out 2.0V (Vol. MAX)

■ Dummy load

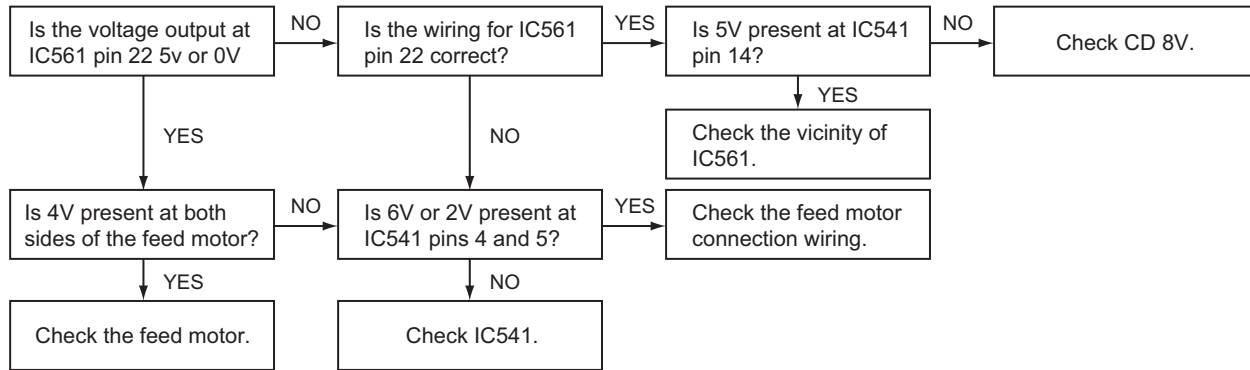
Exclusive dummy load should be used for AM, and FM. For FM dummy load, there is a loss of 6dB between SSG output and antenna input. The loss of 6dB need not be considered since direct reading of figures are applied in this working standard.

*The cardboard is cut in a suitable size.
uses for the insulation stand of mechanism.

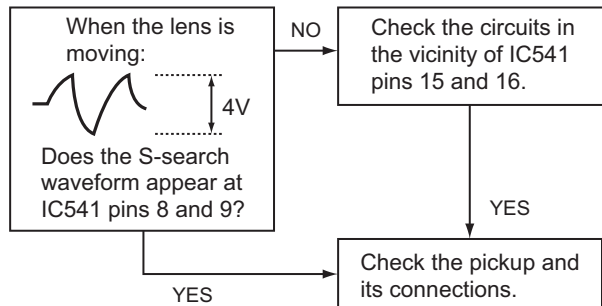


SECTION 5 TROUBLESHOOTING

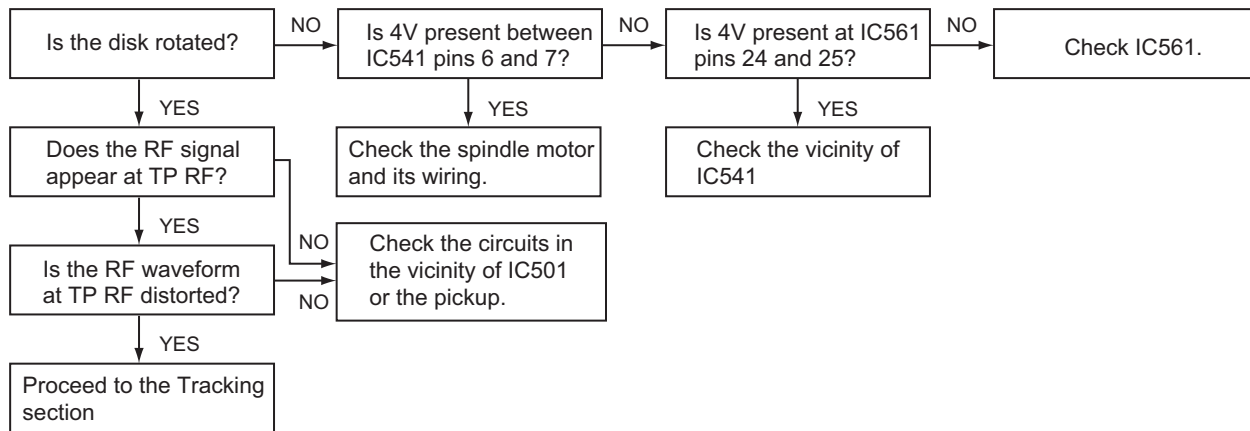
5.1 Feed section



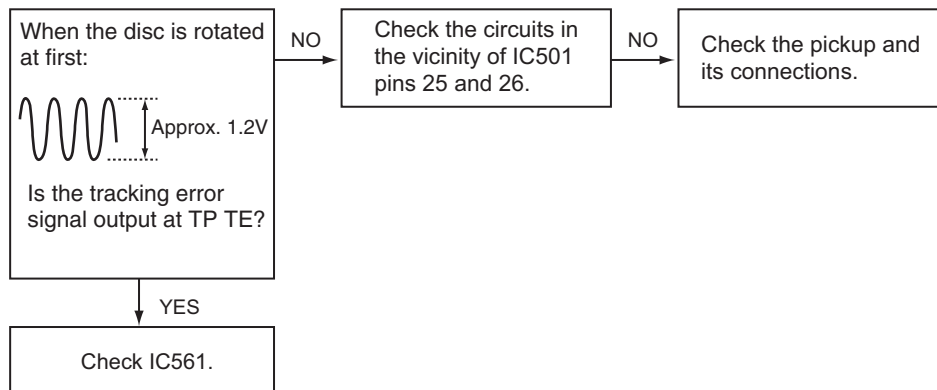
5.2 Focus section



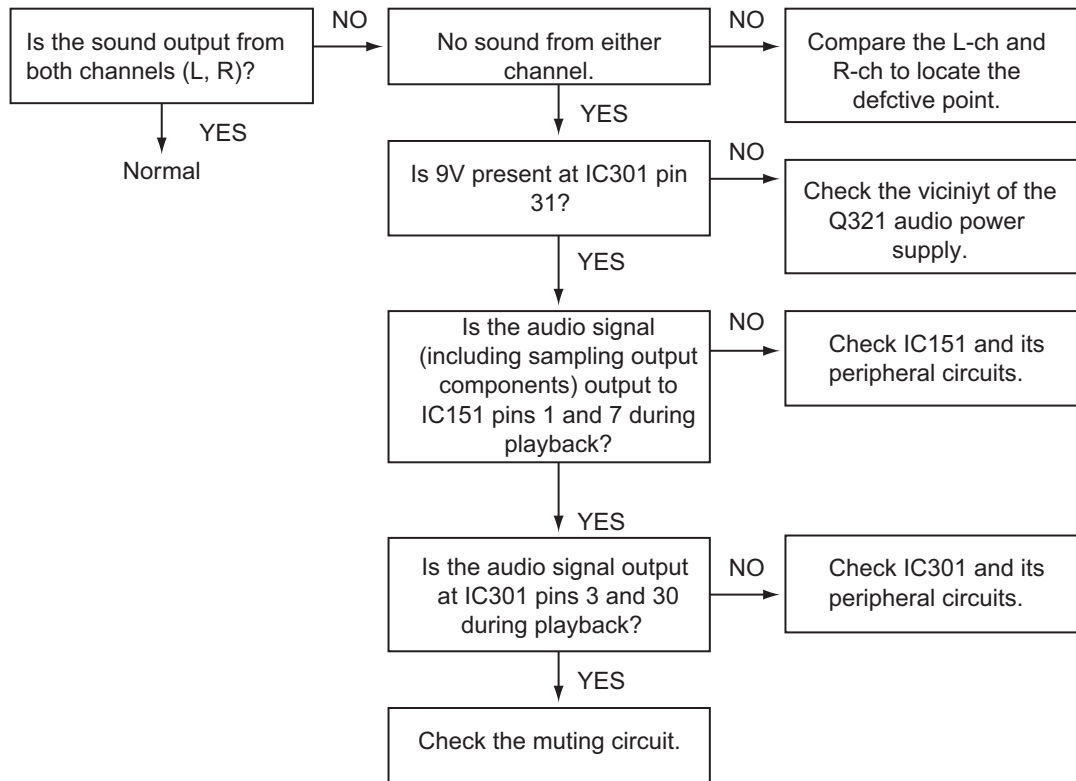
5.3 Spindle section



5.4 Tracking section

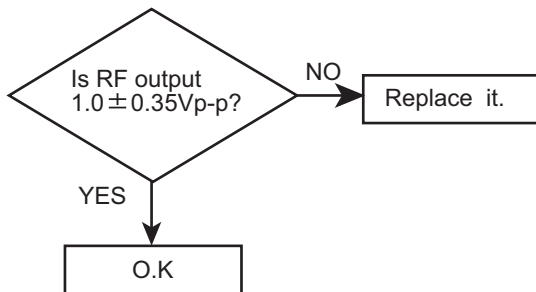


5.5 Signal processing section



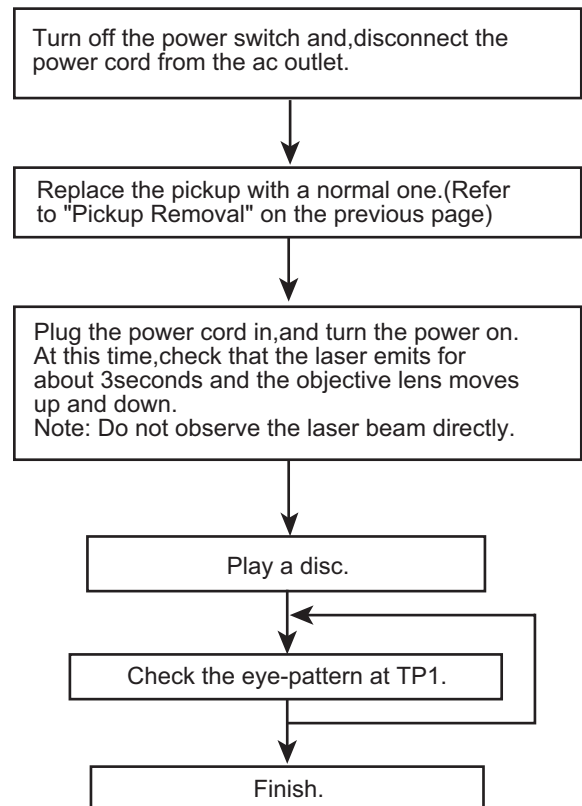
5.6 Maintenance of laser pickup

- (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.

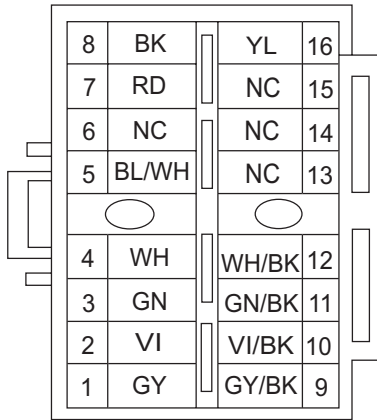


- (3) Semi-fixed resistor on the APC PC board
The semi-fixed resistor on the APC printed circuit board which is attached to the pickup is used to adjust the laser power. Since this adjustment should be performed to match the characteristics of the whole optical block, do not touch the semi-fixed resistor.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

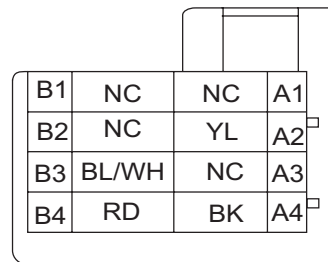
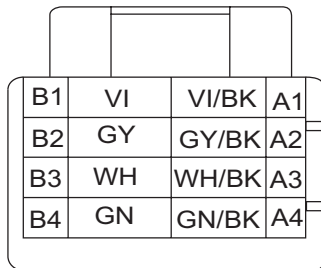
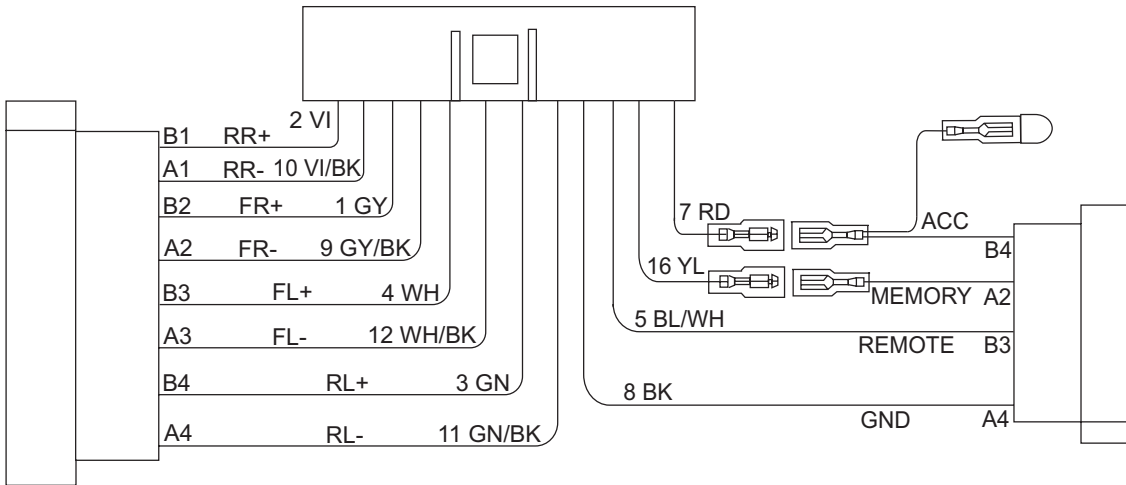
5.7 Replacement of laser pickup



5.8 16pin cord diagram



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



RR	Rear Right	REMOTE	Remote
FR	Front Right	ACC	ACC Line
FL	Front Left	MEMORY	Memory Backup Battery+
RL	Rear Left	GND	Ground



JVC

VICTOR COMPANY OF JAPAN, LIMITED

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

(No.MA028)



Printed in Japan
WPC

JVC

SCHEMATIC DIAGRAMS

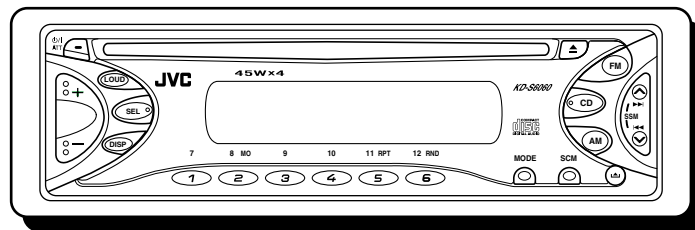
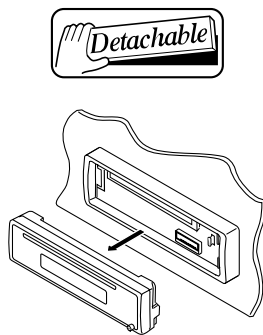
CD RECEIVER

KD-S6060

CD-ROM No.SML200311

Area suffix

E ----- Continental Europe





COMPACT
disc
DIGITAL AUDIO

Contents

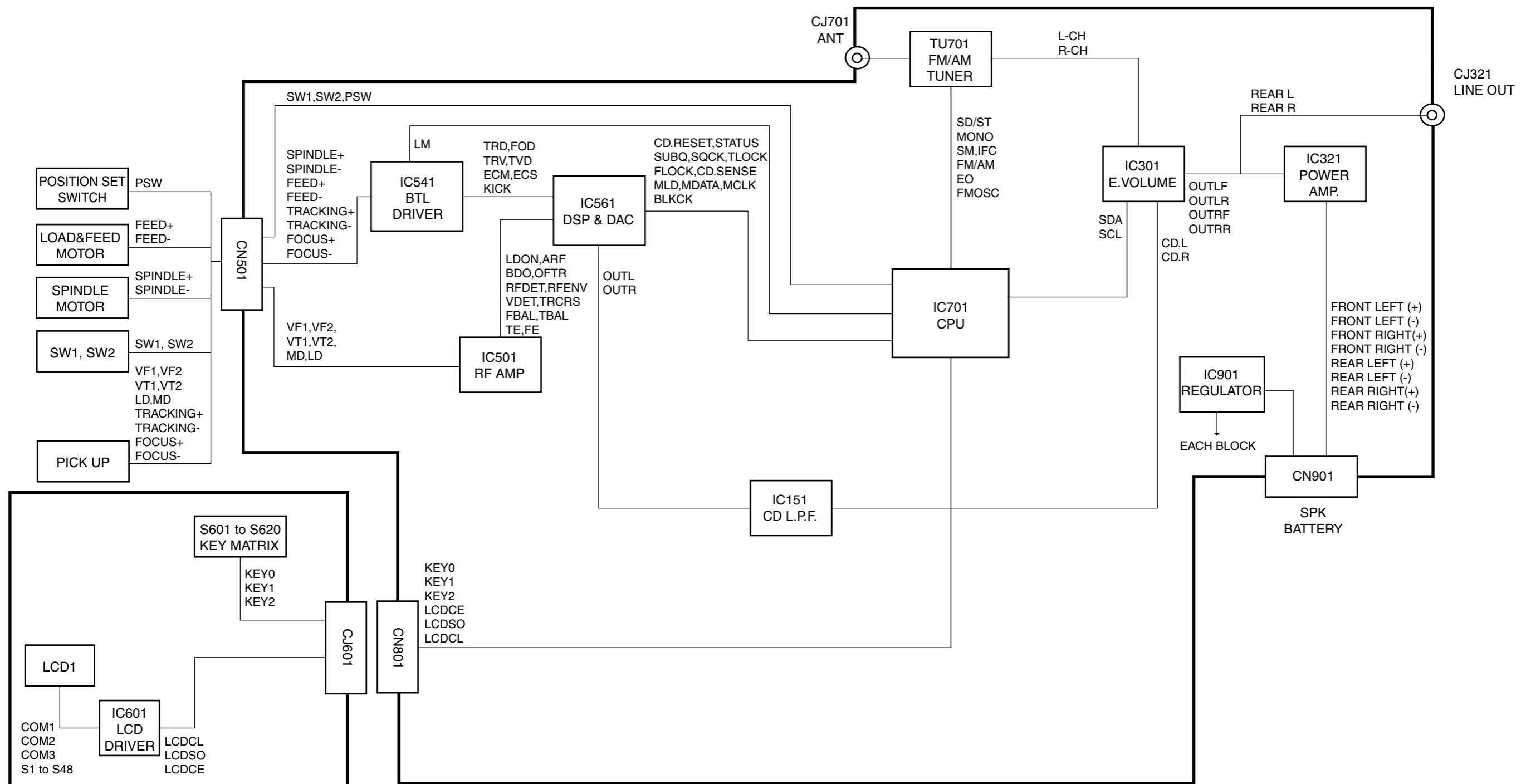
Block diagram	2-1
Standard schematic diagrams	2-2
Printed circuit boards	2-5, 6

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.

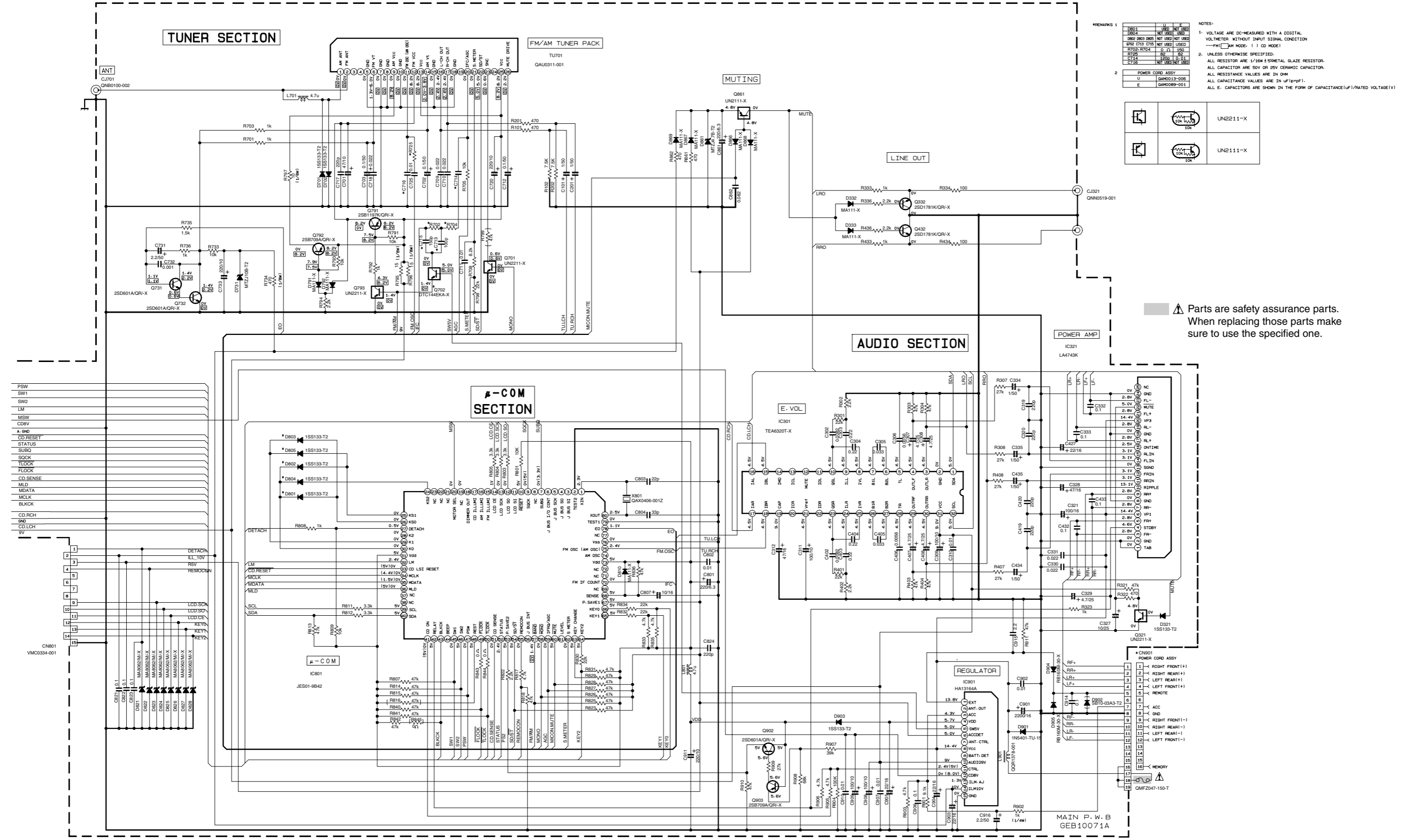
 **CAUTION** Please use enough caution not to see the beam directly or touch it in case of an adjustment or operation check.

Block diagram



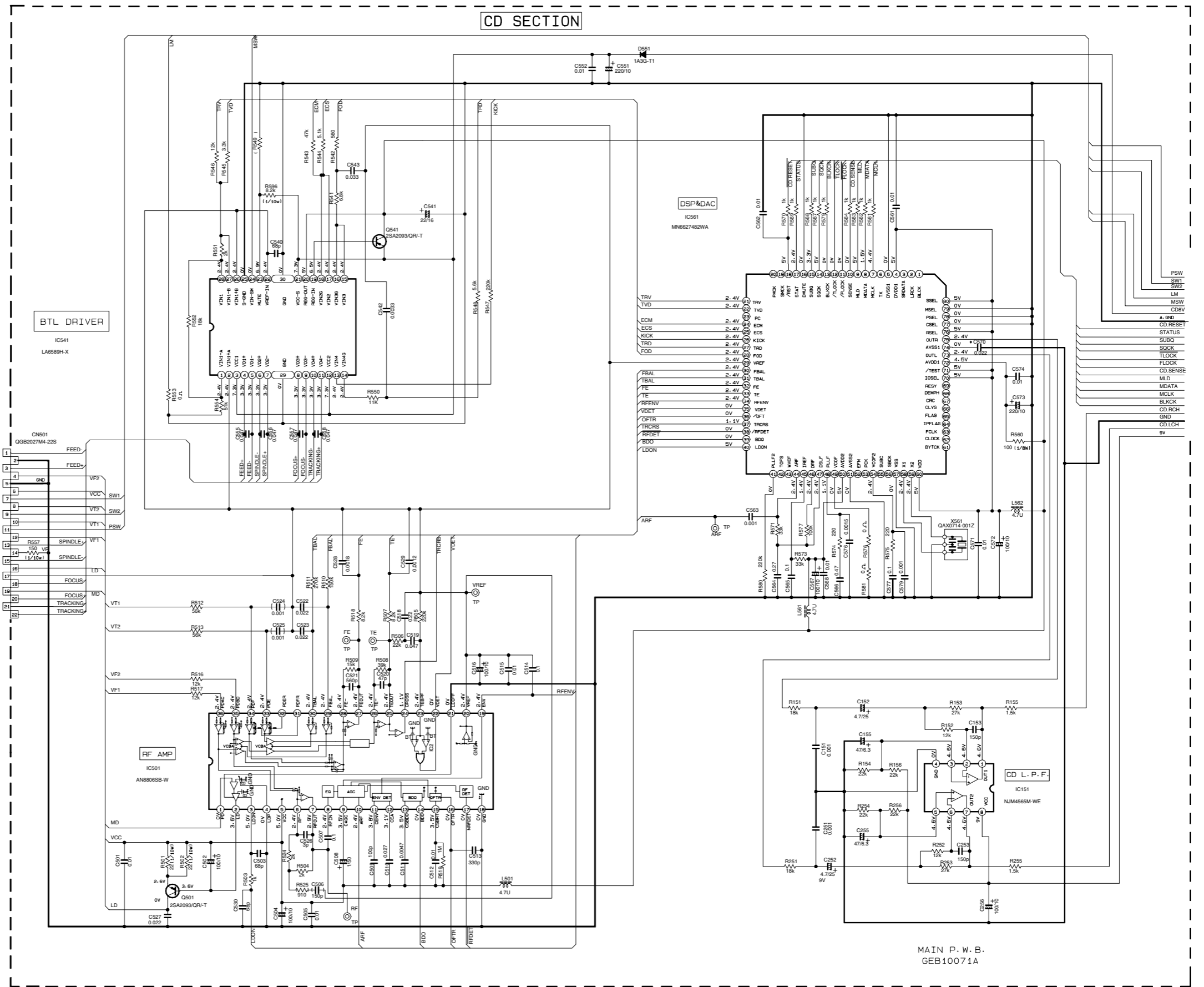
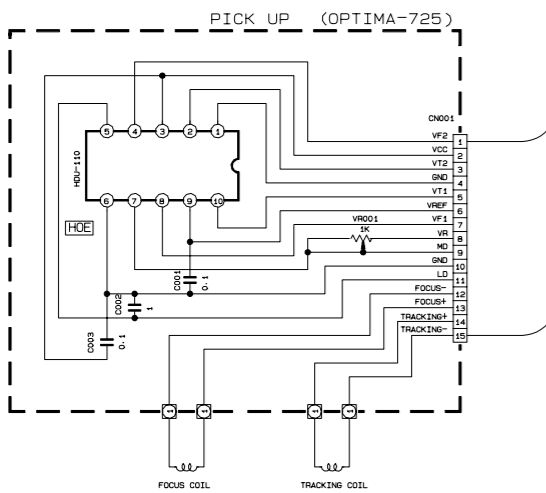
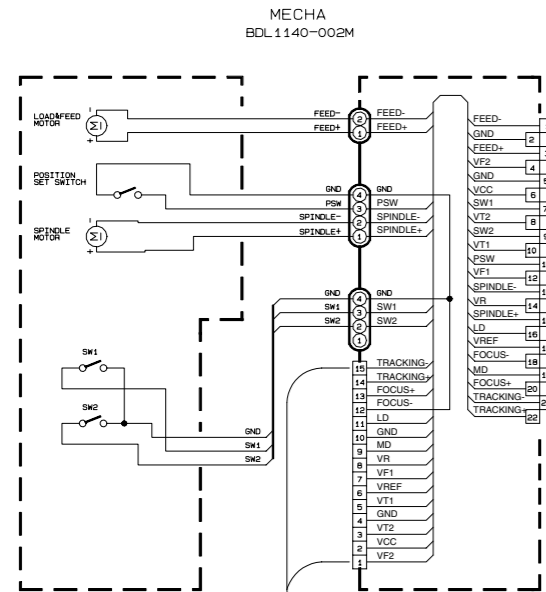
Standard schematic diagrams

■ Main amplifier section



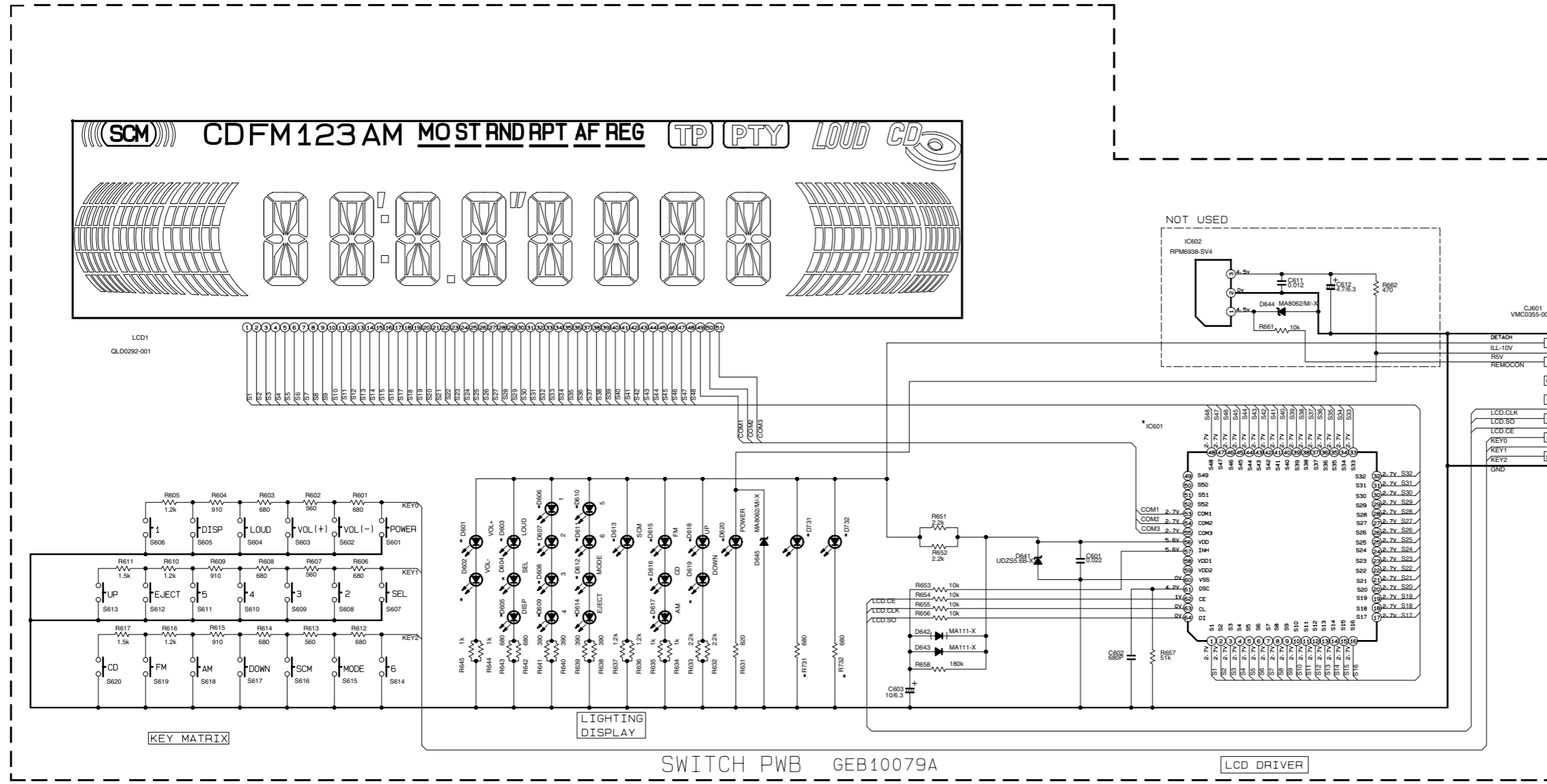
■ CD servo section

CD SECTION



NOTE : 1. VOLTAGE ARE DC-MEASURED WITH DIGITAL VOLTMETER WITHOUT INPUT SIGNAL CONDITION
 — CD MODE
 2. UNLESS OTHERWISE SPECIFIED.
 ALL RESISTORS ARE 1/8W-5% METAL GLAZE RESISTOR.
 ALL CAPACITORS ARE 50V OR 25V CERAMIC CAPACITOR.
 ALL RESISTANCE VALUES ARE IN OHM.
 ALL CAPACITANCE VALUES ARE IN pF.
 ALL E. CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(pF) /RATED VOLTAGE(V)
 * 3. C/M ADD C570 FOR EMC TEST- USE ON KD-5550 ONLY

■ LCD & Key control section



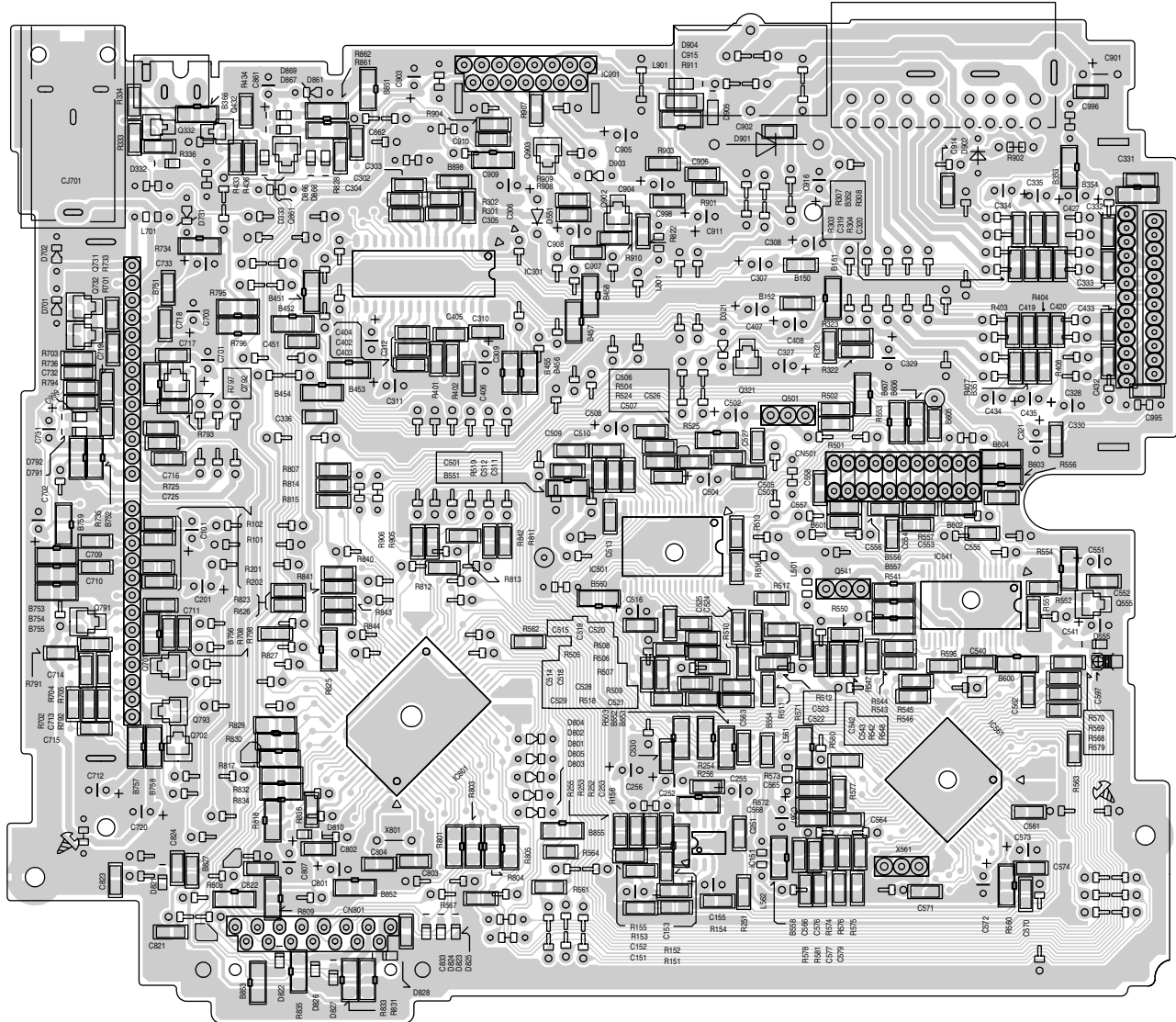
FRONT CIRCUIT BOARD SECTION

REMARKS	FOR KD-9505U SERIES	FOR KD-9606E SERIES
D731 D732	NSPW310B5/B6R6/	>>
D601-D612 D614-D619	SML-310VT/K/-X	LNJ3080B1/1-3/X
D620	SML-310LT/MN/-X	>>
D613	LT1F67AF-W	SML-310VT/K/-X
S601-S620	NSW0206-001X	>>
R731 R732	NR9181J-681X	>>
IC601	PT6923LQ	>>

- NOTES
- VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER WITHOUT INPUT SIGNAL.
 - UNLESS OTHERWISE SPECIFIED, ALL RESISTORS ARE 1/16W ±5% METAL GLAZE RESISTOR. ALL CAPACITORS ARE 50V OR 25V CERAMIC CAPACITOR. ALL RESISTANCE VALUES ARE IN OHM. ALL CAPACITANCE VALUES ARE IN UF(PDF). ALL E. CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (UF1/RATED VOLTAGE(V)).

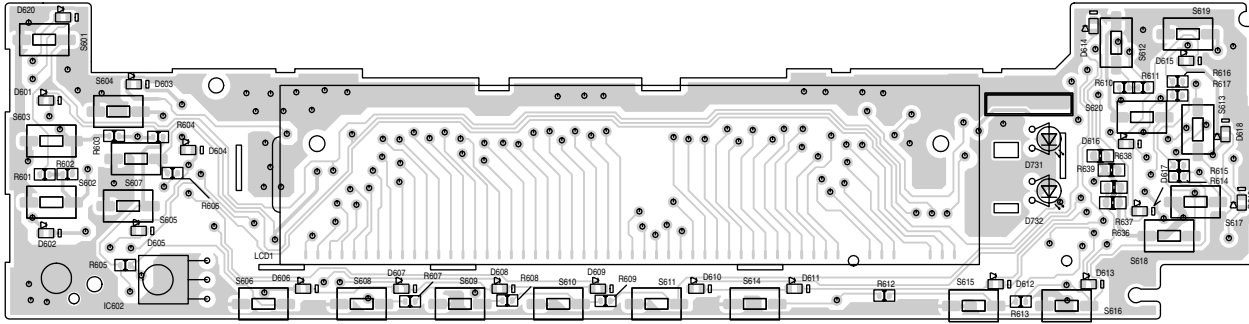
Printed circuit boards

■ Main board

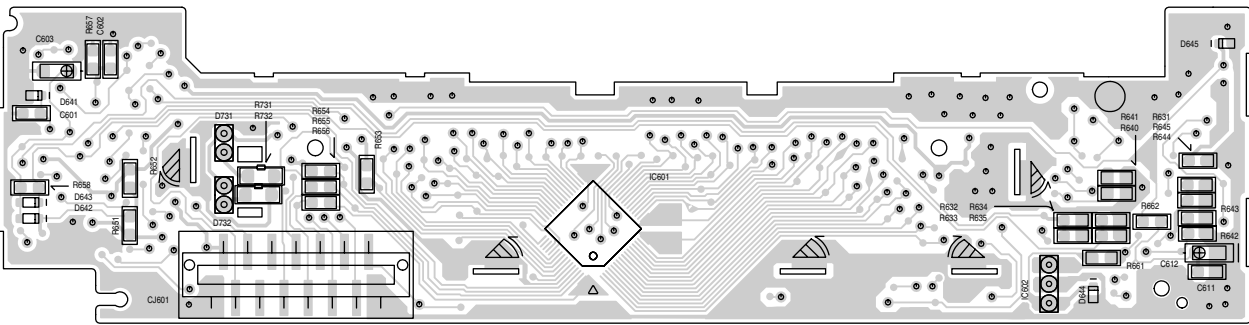


■ Front board

Forward side



Reverse side



< MEMO >

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(No.MA028SCH)



Printed in Japan
WPC

PARTS LIST

[KD-S6060]

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

Area suffix

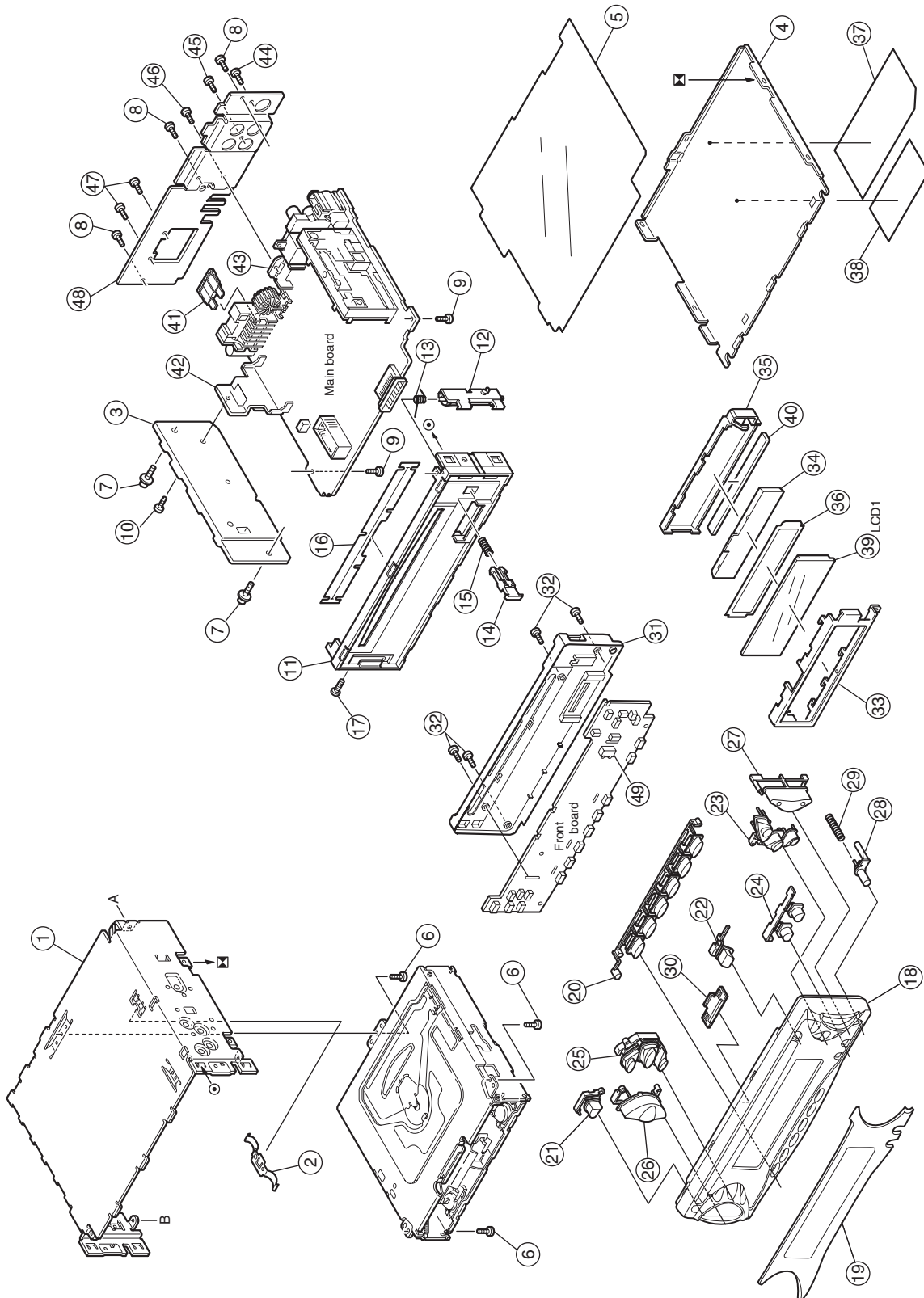
E ----- Continental Europe
EX ----- Central Europe

- Contents -

Exploded view of general assembly and parts list (Block No.M1)	3- 2
CD mechanism assembly and parts list (Block No.MB).....	3- 4
Electrical parts list (Block No.01~02)	3- 6
Packing materials and accessories parts list (Block No.M3).....	3-10

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	GE10043-210A	TOP CHASSIS		
2	GE40135-001A	EARTH PLATE		
3	GE30938-003A	SIDE PANEL		
4	GE30393-002A	BOTTOM COVER		
5	FSMA3004-203	INSULATOR		
6	QYSDST2604Z	SCREW	2.6mm x 4mm(x3)	
7	FSKZ4005-001	SCREW	(x2)	
8	QYSDST2604Z	SCREW	2.6mm x 4mm(x3)	
9	QYSDST2606Z	SCREW	2.6mm x 6mm(x2)	
10	QYSDST2610Z	SCREW	2.6mm x 10mm	
11	GE10056-001A	FRONT CHASSIS		
12	GE30583-001A	LOCK LEVER		
13	FSKW4005-003	TORSION SPRING		
14	FSXP3026-002	RLS KNOB		
15	GE30999-002A	COMP.SPRING		
16	GE40140-002A	BLIND		
17	QYSDST2004M	MINI SCREW	2mm x 4mm	
18	GE10037-003A	FRONT PANEL		
19	GE30300-032A	FINDER ASSY		
20	GE20119-001A	PRESET BUTTON		
21	GE30304-001A	POWER BUTTON		
22	GE30305-001A	EJECT BUTTON		
23	GE20131-302A	D.FUNC BUTTON		
24	GE30307-001A	SND.FUNC.BUTTON		
25	GE20130-302A	PUSH BUTTON		
26	GE20118-002A	+/- BUTTON		
27	GE20120-001A	UP/DOWN BUTTON		
28	GE30306-001A	DETACH BUTTON		
29	FSKW3002-012	COMP.SPRING		
30	GE30117-001A	LIGHT LENS		
31	GE10055-003A	REAR COVER		
32	VKZ4777-001	MINI SCREW	(x4)	
33	GE30302-003A	LCD CASE		
34	GE31101-001A	LCD LENS		
35	GE31102-001A	LENS CASE		
36	GE40213-001A	LIGHTING SHEET		
37	GE31074-001A	NAME PLATE		
38	LV41843-002A	LASER CAUTION		
39	QLD0292-001	LCD MODULE		
40	QNZ0442-001	LCD CONNECTOR		
△ 41	QMFZ047-150-T	FUSE	15A	
42	GE40172-004A	IC BRACKET		
43	GE40124-002A	REG BRACKET		
44	QYSDST2606Z	SCREW	2.6mm x 6mm	
45	QYSDSF2606Z	SCREW	2.6mm x 6mm	
46	QYSDST2606Z	SCREW	2.6mm x 6mm	
47	QYSDSF2606Z	SCREW	2.6mm x 6mm(x2)	
48	GE30912-008A	REAR BRACKET		
49	GE30854-001A	LED HOLDER		

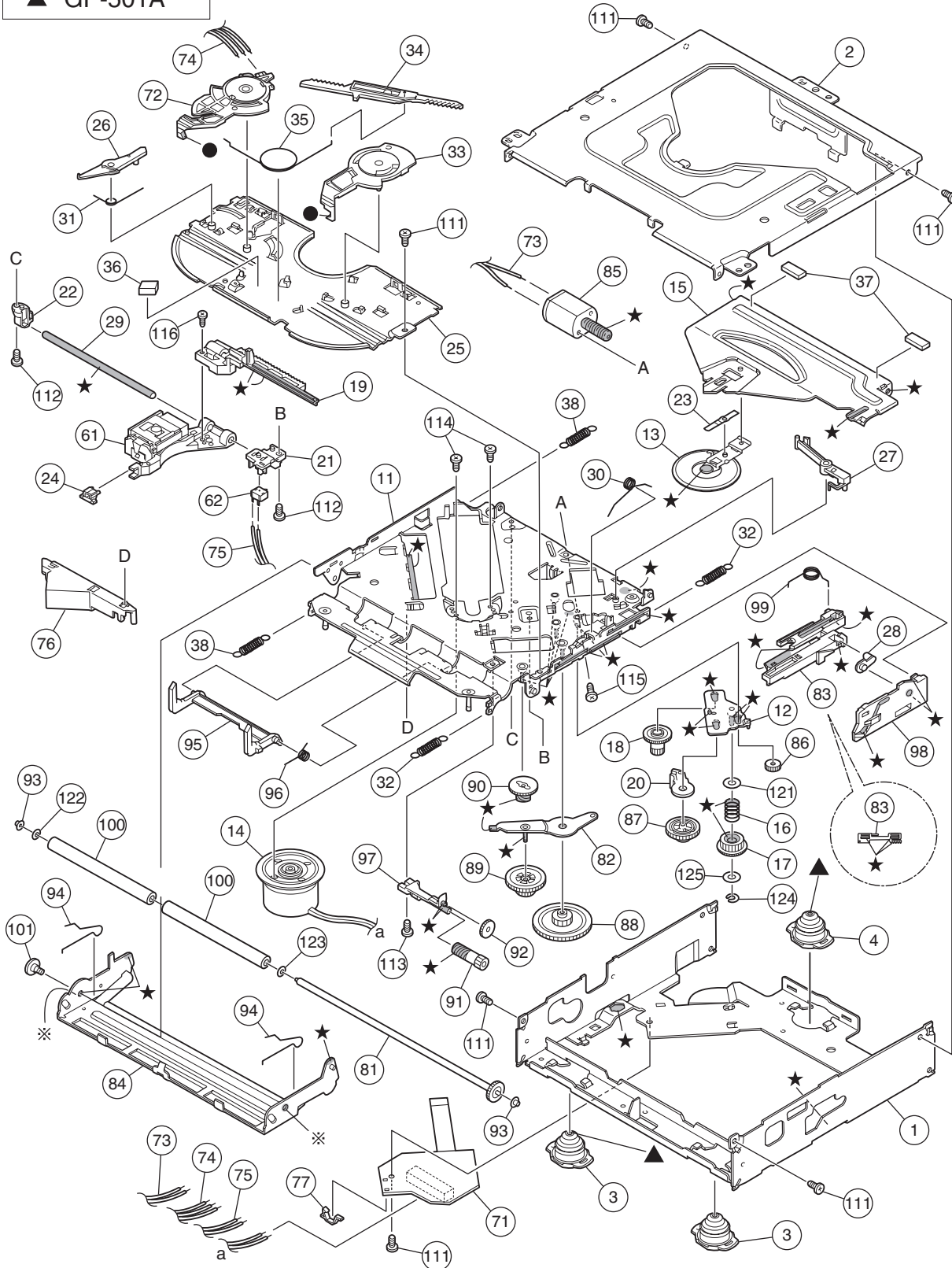
CD mechanism assembly and parts list

Block No. **M B M M**

TN-2001-1011

Grease

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



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		
4	30320116T	DANPER R		
11	303205505T	CHASSIS RIVET		
12	303205503T	CHANGE P. RVT A		
13	303205301T	CLAMPER ASS'Y		
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		
33	30320529T	SELECT ARM R		
34	30320530T	LINK PLATE		
35	30320531T	LINK PLATE SPG		
36	30320523T	CUSHION F		
37	30320524T	CUSHION R		
38	30320539T	SUSPENSION SP L		
61	69011614T	PICKUP OPT-725		
62	64180406T	DET SW ESE22		
71	303210301T	CONN PWB ASS'Y		
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 ASS'Y		
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	30321111T	ROLLER GUIDE		
94	30321114T	ROLLER GUIDE SP		
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		
101	18211223T	COLLAR SCREW		
111	9P0420031T	SCREW		
112	9P0420041T	TAP.SCREW		
113	9B0320041T	SCREW		
114	9C0117183T	SCREW		
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][0][0]

△ Symbol No.	Part No.	Part Name	Description	Local
IC151	NJM4565M-WE	IC	Dual ope amp	
IC301	TEA6320T-X	IC	E.volume	
IC321	LA4743K	POWER IC	Power amp.	
IC501	AN8806SB-W	IC	RF & amp.	
IC541	LA6589H-X	BTL DRIVER IC	BTL driver	
IC561	MN6627482WA	IC	DSP & DAC	
IC801	JES01-9B42	IC	Main micon	
IC901	HA13164A	IC	Regulator	
Q321	UN2211-X	TRANSISTOR		
Q332	2SD1781K/QR/-X	TRANSISTOR		
Q432	2SD1781K/QR/-X	TRANSISTOR		
Q501	2SA2093/QR/-T	TRANSISTOR		
Q541	2SA2093/QR/-T	TRANSISTOR		
Q701	UN2211-X	TRANSISTOR		
Q702	KRC104S-X	TRANSISTOR		
Q731	2SD601A/QR/-X	TRANSISTOR		
Q732	2SD601A/QR/-X	TRANSISTOR		
Q791	2SB1197K/QR/-X	TRANSISTOR		
Q792	2SB709A/QR/-X	TRANSISTOR		
Q793	UN2211-X	TRANSISTOR		
Q861	UN2111-X	TRANSISTOR		
Q902	2SD601A/QR/-X	TRANSISTOR		
Q903	2SB709A/QR/-X	TRANSISTOR		
D321	1SS133-T2	DIODE		
D332	MA111-X	SI DIODE		
D333	MA111-X	SI DIODE		
D551	1A3G-T1	SI DIODE		
D701	1SS133-T2	DIODE		
D702	1SS133-T2	DIODE		
D791	MA111-X	SI DIODE		
D792	MA111-X	SI DIODE		
D804	1SS133-T2	DIODE		
D810	MA111-X	SI DIODE		
D821	MA8062/M/-X	Z DIODE		
D822	MA8062/M/-X	Z DIODE		
D823	MA8062/M/-X	Z DIODE		
D824	MA8062/M/-X	Z DIODE		
D825	MA8062/M/-X	Z DIODE		
D826	MA8062/M/-X	Z DIODE		
D827	MA8062/M/-X	Z DIODE		
D828	MA8062/M/-X	Z DIODE		
D861	MTZJ4.7B-T2	Z DIODE		
D866	MA111-X	SI DIODE		
D867	MA111-X	SI DIODE		
D868	MA111-X	SI DIODE		
D869	MA111-X	SI DIODE		
D901	1N5401-TU-15	DIODE		
D903	1SS133-T2	DIODE		
D904	RB160M-30-X	SB DIODE		
D905	RB160M-30-X	SB DIODE		
C101	QERF1HM-105Z	E CAPACITOR	1uF 50V M	
C151	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C152	QEKJ1EM-475Z	E CAPACITOR	4.7uF 25V M	
C153	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
C155	QEKJ0JM-476Z	E CAPACITOR	47uF 6.3V M	
C201	QERF1HM-105Z	E CAPACITOR	1uF 50V M	
C251	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C252	QERF1EM-475Z	E CAPACITOR	4.7uF 25V M	
C253	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
C255	QERF0JM-476Z	E CAPACITOR	47uF 6.3V M	
C256	QERF1AM-107Z	E CAPACITOR	100uF 10V M	
C302	NCB31HK-822X	C CAPACITOR	8200pF 50V K	
C303	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	
C304	NCB21CK-224X	C CAPACITOR	0.22uF 16V K	
C305	NCB21HK-333X	C CAPACITOR	0.033uF 50V K	
C306	NCB31HK-562X	C CAPACITOR	5600pF 50V K	
C307	QERF1EM-475Z	E CAPACITOR	4.7uF 25V M	
C308	QERF1EM-475Z	E CAPACITOR	4.7uF 25V M	
C309	QEKJ1AM-107Z	E CAPACITOR	100uF 10V M	

△ Symbol No.	Part No.	Part Name	Description	Local
C310	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C311	QEKJ1AM-107Z	E CAPACITOR	100uF 10V M	
C312	QEKJ1CM-476Z	E CAPACITOR	47uF 16V M	
C319	NDC31HJ-221X	C CAPACITOR	220pF 50V J	
C320	NDC31HJ-221X	C CAPACITOR	220pF 50V J	
C321	QERF1CM-107Z	E CAPACITOR	100uF 16V M	
C327	QERF1CM-106Z	E CAPACITOR	10uF 16V M	
C328	QEKJ1CM-476Z	E CAPACITOR	47uF 16V M	
C329	QEKJ1EM-475Z	E CAPACITOR	4.7uF 25V M	
C330	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C331	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C332	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C333	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C334	QERF1HM-105Z	E CAPACITOR	1uF 50V M	
C335	QERF1HM-105Z	E CAPACITOR	1uF 50V M	
C402	NCB31HK-822X	C CAPACITOR	8200pF 50V K	
C403	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	
C404	NCB21CK-224X	C CAPACITOR	0.22uF 16V K	
C405	NCB21HK-333X	C CAPACITOR	0.033uF 50V K	
C406	NCB31HK-562X	C CAPACITOR	5600pF 50V K	
C407	QERF1EM-475Z	E CAPACITOR	4.7uF 25V M	
C408	QERF1EM-475Z	E CAPACITOR	4.7uF 25V M	
C419	NDC31HJ-221X	C CAPACITOR	220pF 50V J	
C420	NDC31HJ-221X	C CAPACITOR	220pF 50V J	
C427	QEKJ1CM-226Z	E CAPACITOR	22uF 16V M	
C432	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C433	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C434	QERF1HM-105Z	E CAPACITOR	1uF 50V M	
C435	QERF1HM-105Z	E CAPACITOR	1uF 50V M	
C501	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C502	QEKJ1AM-107Z	E CAPACITOR	100uF 10V M	
C503	NCS31HJ-680X	C CAPACITOR	68pF 50V J	
C504	QEKJ1AM-107Z	E CAPACITOR	100uF 10V M	
C505	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C507	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C508	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C509	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C510	NCB31EK-273X	C CAPACITOR	0.027uF 25V K	
C511	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C512	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C513	NDC31HJ-331X	C CAPACITOR	330pF 50V J	
C514	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C515	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C516	QEKJ1AM-107Z	E CAPACITOR	100uF 10V M	
C518	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	
C519	NCB31EK-473X	C CAPACITOR	0.047uF 25V K	
C520	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C521	NDC31HJ-561X	C CAPACITOR	560pF 50V J	
C522	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C523	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C526	NDC31HJ-3R0X	C CAPACITOR	3pF 50V J	
C527	NCB31EK-223X	C CAPACITOR	0.022uF 25V K	
C528	NCB31HK-182X	C CAPACITOR	1800pF 50V K	
C529	NCB31HK-122X	C CAPACITOR	1200pF 50V K	
C530	NDC31HJ-680X	C CAPACITOR	68pF 50V J	
C540	NCS31HJ-680X	C CAPACITOR	68pF 50V J	
C541	QERF1CM-226Z	E CAPACITOR	22uF 16V M	
C542	NCB31HK-332X	C CAPACITOR	3300pF 50V K	
C543	NCB31EK-333X	C CAPACITOR	0.033uF 25V K	
C551	QERF1AM-227Z	E CAPACITOR	220uF 10V M	
C552	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C555	NCB31EK-473X	C CAPACITOR	0.047uF 25V K	
C556	NCB31EK-473X	C CAPACITOR	0.047uF 25V K	
C557	NCB31EK-473X	C CAPACITOR	0.047uF 25V K	
C558	NCB31EK-473X	C CAPACITOR	0.047uF 25V K	
C561	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C562	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C563	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C564	NCB21CK-274X	C CAPACITOR	0.27uF 16V K	
C565	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C566	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C567	QERF1AM-107Z	E CAPACITOR	100uF 10V M	
C568	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C570	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C571	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C572	QEKJ1AM-107Z	E CAPACITOR	100uF 10V M	

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
C573	QERF1AM-227Z	E CAPACITOR	220uF 10V M		R403	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
C574	NCB31EK-103X	C CAPACITOR	0.01uF 25V K		R404	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
C576	NCB31HK-152X	C CAPACITOR	1500pF 50V K		R407	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
C577	NCB31EK-104X	C CAPACITOR	0.1uF 25V K		R408	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
C579	NCB31HK-102X	C CAPACITOR	1000pF 50V K		R433	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C701	QERF1AM-476Z	E CAPACITOR	47uF 10V M		R434	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
C702	QEKJ1HM-104Z	E CAPACITOR	0.1uF 50V M		R436	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
C703	QERF1HM-104Z	E CAPACITOR	0.1uF 50V M		R501	NRSA02J-220X	MG RESISTOR	22Ω 1/10W J	
C709	NCB31EK-223X	C CAPACITOR	0.022uF 25V K		R502	NRSA02J-220X	MG RESISTOR	22Ω 1/10W J	
C710	NCB31EK-223X	C CAPACITOR	0.022uF 25V K		R503	NRS181J-102X	MG RESISTOR	1kΩ 1/8W J	
C711	NCB31EK-103X	C CAPACITOR	0.01uF 25V K		R504	NRSA63J-202X	MG RESISTOR	2kΩ 1/16W J	
C712	QEKJ1HM-104Z	E CAPACITOR	0.1uF 50V M		R505	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
C713	NCS31HJ-101X	C CAPACITOR	100pF 50V J		R506	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
C714	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R507	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
C715	NCS31HJ-151X	C CAPACITOR	150pF 50V J		R508	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	
C717	NDC31HJ-221X	C CAPACITOR	220pF 50V J		R509	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
C718	NCB31EK-223X	C CAPACITOR	0.022uF 25V K		R510	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
C720	QERF1AM-227Z	E CAPACITOR	220uF 10V M		R511	NRSA63J-274X	MG RESISTOR	270kΩ 1/16W J	
C725	NCB31EK-103X	C CAPACITOR	0.01uF 25V K		R512	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
C731	QERF1HM-225Z	E CAPACITOR	2.2uF 50V M		R513	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
C732	NCB31HK-102X	C CAPACITOR	1000pF 50V K		R516	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
C733	QERF1AM-227Z	E CAPACITOR	220uF 10V M		R517	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
C801	QEKJ0JM-227Z	E CAPACITOR	220uF 6.3V M		R518	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
C802	NCB31EK-103X	C CAPACITOR	0.01uF 25V K		R519	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
C803	NDC31HJ-220X	C CAPACITOR	22pF 50V J		R524	NRSA63J-202X	MG RESISTOR	2kΩ 1/16W J	
C804	NDC31HJ-330X	C CAPACITOR	33pF 50V J		R541	NRS181J-682X	MG RESISTOR	6.8kΩ 1/8W J	
C807	QERF1CM-106Z	E CAPACITOR	10uF 16V M		R542	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
C821	NCB31EK-104X	C CAPACITOR	0.1uF 25V K		R543	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
C822	NCB31EK-104X	C CAPACITOR	0.1uF 25V K		R544	NRSA63J-512X	MG RESISTOR	5.1kΩ 1/16W J	
C823	NCB31EK-104X	C CAPACITOR	0.1uF 25V K		R545	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
C824	NCB31HK-221X	C CAPACITOR	220pF 50V K		R546	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
C861	QEKJ0JM-227Z	E CAPACITOR	220uF 6.3V M		R547	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
C862	NCB31EK-823X	C CAPACITOR	0.082uF 25V K		R548	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
C901	QEZ0645-228	E CAPACITOR	2200uF		R550	NRSA63J-113X	MG RESISTOR	11kΩ 1/16W J	
C902	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R551	NRSA63J-202X	MG RESISTOR	2kΩ 1/16W J	
C903	QEKJ1CM-226Z	E CAPACITOR	22uF 16V M		R552	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
C904	QERF1CM-226Z	E CAPACITOR	22uF 16V M		R553	NRS181J-0R0X	MG RESISTOR	0Ω 1/8W J	
C905	QERF1CM-226Z	E CAPACITOR	22uF 16V M		R554	NRS181J-513X	MG RESISTOR	51kΩ 1/8W J	
C906	NCB31EK-104X	C CAPACITOR	0.1uF 25V K		R557	NRSA02J-151X	MG RESISTOR	150Ω 1/10W J	
C907	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R560	NRS181J-101X	MG RESISTOR	680Ω 1/8W J	
C908	QERF1AM-107Z	E CAPACITOR	100uF 10V M		R561	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C909	QERF1AM-107Z	E CAPACITOR	100uF 10V M		R562	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C910	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R563	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C911	QERF1AM-227Z	E CAPACITOR	220uF 10V M		R564	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C914	NCB31EK-104X	C CAPACITOR	0.1uF 25V K		R567	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C915	NCB11CK-225X	C CAPACITOR	2.2uF 16V K		R568	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C916	QERF1HM-225Z	E CAPACITOR	2.2uF 50V M		R569	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
					R570	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R101	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J		R571	NRS181J-333X	MG RESISTOR	33kΩ 1/8W J	
R102	NRSA63J-752X	MG RESISTOR	7.5kΩ 1/16W J		R573	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R151	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J		R574	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R152	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J		R575	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R153	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J		R576	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R154	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J		R577	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R155	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J		R579	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R156	NRS181J-223X	MG RESISTOR	22kΩ 1/8W J		R580	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R201	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J		R581	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R202	NRSA63J-752X	MG RESISTOR	7.5kΩ 1/16W J		R596	NRSA02J-822X	MG RESISTOR	8.2kΩ 1/10W J	
R251	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J		R701	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R252	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J		R702	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R253	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J		R703	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R254	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J		R704	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R255	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J		R705	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R256	NRS181J-223X	MG RESISTOR	22kΩ 1/8W J		R708	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R301	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J		R725	NRSA63J-820X	MG RESISTOR	82Ω 1/16W J	
R302	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		R733	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R303	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		R734	NRS181J-471X	MG RESISTOR	470Ω 1/8W J	
R304	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		R735	NRS181J-152X	MG RESISTOR	1.5kΩ 1/8W J	
R307	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J		R736	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R308	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J		R791	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R321	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		R792	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R322	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J		R793	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R323	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R794	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R333	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R795	NRS181J-150X	MG RESISTOR	15Ω 1/8W J	
R334	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R796	NRS181J-150X	MG RESISTOR	15Ω 1/8W J	
R336	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		R797	NRS181J-100X	MG RESISTOR	10Ω 1/8W J	
R401	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J		R798	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R402	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		R801	NRS181J-103X	MG RESISTOR	10kΩ 1/8W J	

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
R803	NRS181J-332X	MG RESISTOR	3.3kΩ 1/8W J		D606	LNJ308G81/1-3/X	LED		
R804	NRS181J-332X	MG RESISTOR	3.3kΩ 1/8W J		D607	LNJ308G81/1-3/X	LED		
R805	NRS181J-332X	MG RESISTOR	3.3kΩ 1/8W J		D608	LNJ308G81/1-3/X	LED		
R807	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		D609	LNJ308G81/1-3/X	LED		
R808	NRS181J-102X	MG RESISTOR	1kΩ 1/8W J		D610	LNJ308G81/1-3/X	LED		
R809	NRS181J-103X	MG RESISTOR	10kΩ 1/8W J		D611	LNJ308G81/1-3/X	LED		
R811	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J		D612	LNJ308G81/1-3/X	LED		
R812	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J		D613	SML-310VT/JK/-X	LED		
R813	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		D614	LNJ308G81/1-3/X	LED		
R814	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		D615	LNJ308G81/1-3/X	LED		
R815	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		D616	LNJ308G81/1-3/X	LED		
R817	NRS181J-472X	MG RESISTOR	4.7kΩ 1/8W J		D617	LNJ308G81/1-3/X	LED		
R818	NRS181J-473X	MG RESISTOR	47kΩ 1/8W J		D618	LNJ308G81/1-3/X	LED		
R822	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		D619	LNJ308G81/1-3/X	LED		
R823	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		D620	SML-310LT/MN/-X	LED		
R825	NRS181J-473X	MG RESISTOR	47kΩ 1/8W J		D641	UDZS5.6B-X	Z DIODE	1.5kΩ 1/10W J	
R826	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		D643	MA111-X	SI DIODE		
R827	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		D645	MA8062/M/-X	Z DIODE		
R828	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		D731	NSPW310BS/B2RS/	LED		
R829	NRS181J-473X	MG RESISTOR	47kΩ 1/8W J		D732	NSPW310BS/B2RS/	LED		
R830	NRS181J-223X	MG RESISTOR	22kΩ 1/8W J		C601	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
R831	NRS181J-472X	MG RESISTOR	4.7kΩ 1/8W J		C602	NCS31HJ-681X	C CAPACITOR	680pF 50V J	
R832	NRS181J-223X	MG RESISTOR	22kΩ 1/8W J		C603	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
R833	NRS181J-472X	MG RESISTOR	4.7kΩ 1/8W J		R601	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R834	NRS181J-223X	MG RESISTOR	22kΩ 1/8W J		R602	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R835	NRS181J-472X	MG RESISTOR	4.7kΩ 1/8W J		R603	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R836	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		R604	NRSA63J-911X	MG RESISTOR	910Ω 1/16W J	
R840	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		R605	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R841	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		R606	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R842	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		R607	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R843	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R608	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R844	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R609	NRSA63J-911X	MG RESISTOR	910Ω 1/16W J	
R861	NRS181J-471X	MG RESISTOR	470Ω 1/8W J		R610	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R862	NRS181J-471X	MG RESISTOR	470Ω 1/8W J		R611	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R901	NRSA63J-912X	MG RESISTOR	9.1kΩ 1/16W J		R612	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R902	QRE142J-102X	C RESISTOR	1kΩ 1/4W J		R613	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R903	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J		R614	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R904	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J		R615	NRSA63J-911X	MG RESISTOR	910Ω 1/16W J	
R905	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J		R616	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R906	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J		R617	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R907	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J		R631	NRSA02J-821X	MG RESISTOR	820Ω 1/10W J	
R908	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J		R632	NRSA02J-222X	MG RESISTOR	2.2kΩ 1/10W J	
R909	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J		R633	NRSA02J-222X	MG RESISTOR	2.2kΩ 1/10W J	
R910	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		R634	NRSA02J-102X	MG RESISTOR	1kΩ 1/10W J	
R911	NRS181J-473X	MG RESISTOR	47kΩ 1/8W J		R635	NRSA02J-102X	MG RESISTOR	1kΩ 1/10W J	
L501	QQL231K-4R7Y	INDUCTOR I/M	4.7uH K		R636	NRSA02J-122X	MG RESISTOR	1.2kΩ 1/10W J	
L561	QQL231K-4R7Y	INDUCTOR I/M	4.7uH K		R637	NRSA02J-122X	MG RESISTOR	1.2kΩ 1/10W J	
L562	QQL231K-4R7Y	INDUCTOR I/M	4.7uH K		R638	NRSA02J-391X	MG RESISTOR	390Ω 1/10W J	
L701	QQL231K-4R7Y	INDUCTOR I/M	4.7uH K		R639	NRSA02J-391X	MG RESISTOR	390Ω 1/10W J	
L801	QQL231K-4R7Y	INDUCTOR I/M	4.7uH K		R640	NRSA02J-391X	MG RESISTOR	390Ω 1/10W J	
L901	QQR0703-001	CHOKE COIL			R641	NRSA02J-391X	MG RESISTOR	390Ω 1/10W J	
CJ321	QNN0519-001	SURROUND JACK			R642	NRSA02J-681X	MG RESISTOR	680Ω 1/10W J	
CJ701	QNB0100-002	CAR ANT JACK			R643	NRSA02J-681X	MG RESISTOR	680Ω 1/10W J	
CN501	QGB2027M4-22S	CONNECTOR	B-B (1-22)		R644	NRSA02J-102X	MG RESISTOR	1kΩ 1/10W J	
CN801	VMC0334-001	CONNECTOR			R645	NRSA02J-102X	MG RESISTOR	1kΩ 1/10W J	
CN901	QNZ0611-001	16P CONNECTOR			R651	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
TU701	QAU0311-001	TUNER PACK			R652	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
X561	QAX0714-001Z	C RESONATOR	16.000MHz		R653	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
X801	QAX0406-001Z	CRYSTAL	4.500MHz		R654	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
					R655	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
					R656	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
					R657	NRSA63J-513X	MG RESISTOR	51kΩ 1/16W J	
					R658	NRSA63J-184X	MG RESISTOR	180kΩ 1/16W J	
					R731	NRS181J-391X	MG RESISTOR	390Ω 1/8W J	
					R732	NRS181J-391X	MG RESISTOR	390Ω 1/8W J	

Front board

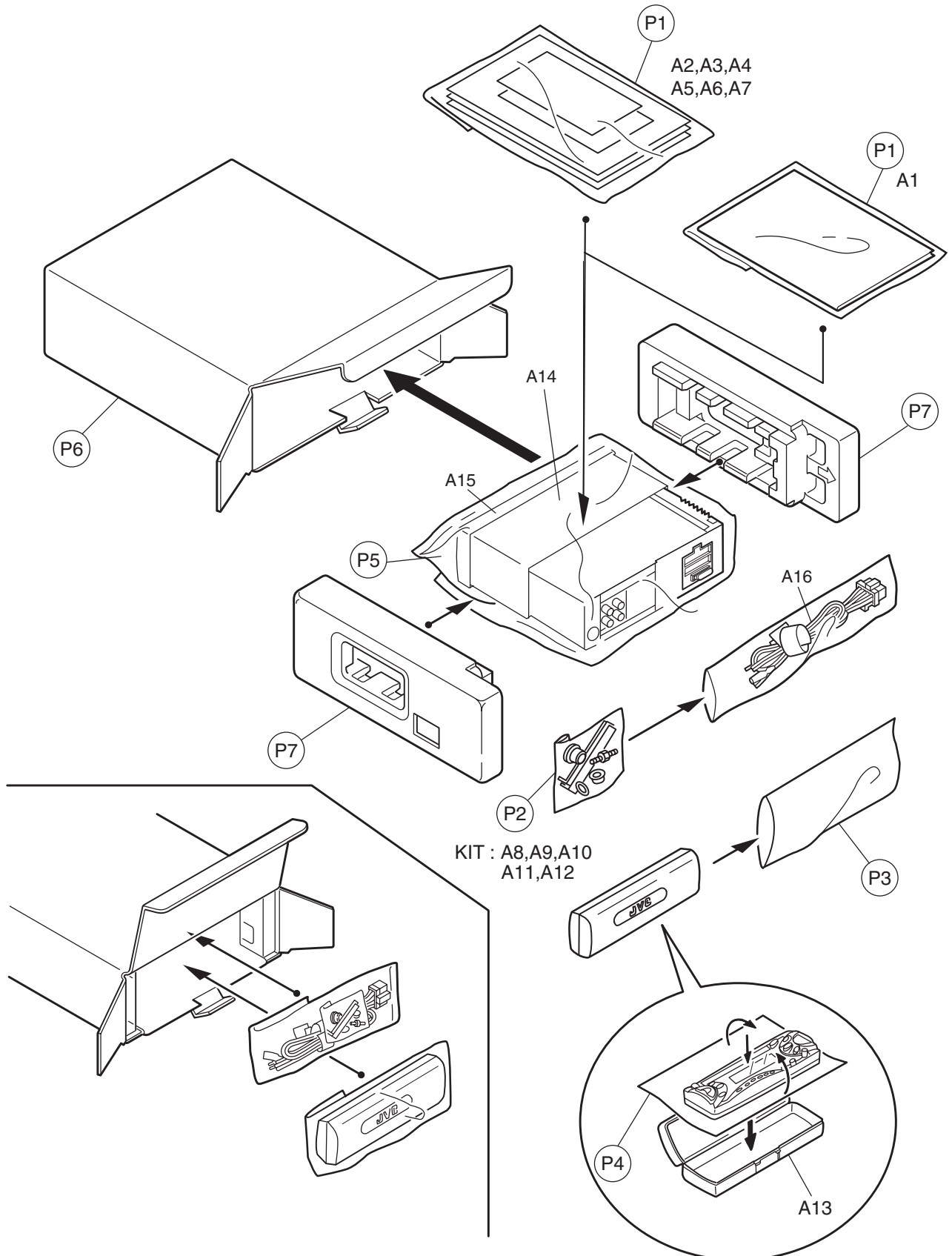
Block No. [0][2][0][0]

△ Symbol No.	Part No.	Part Name	Description	Local	CJ601	VMC0335-001	PANEL CONNECTOR		
					S601	NSW0206-001X	TACT SWITCH		
					S602	NSW0206-001X	TACT SWITCH		
					S603	NSW0206-001X	TACT SWITCH		
					S604	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		
IC601	PT6523LQ	IC	LCD driver						
D601	LNJ308G81/1-3/X	LED							
D602	LNJ308G81/1-3/X	LED							
D603	LNJ308G81/1-3/X	LED							
D604	LNJ308G81/1-3/X	LED							
D605	LNJ308G81/1-3/X	LED							

△ Symbol No.	Part No.	Part Name	Description	Local
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		
S618	NSW0206-001X	TACT SWITCH		
S619	NSW0206-001X	TACT SWITCH		
S620	NSW0206-001X	TACT SWITCH		

Packing materials and accessories parts list

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



Packing and accessories

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

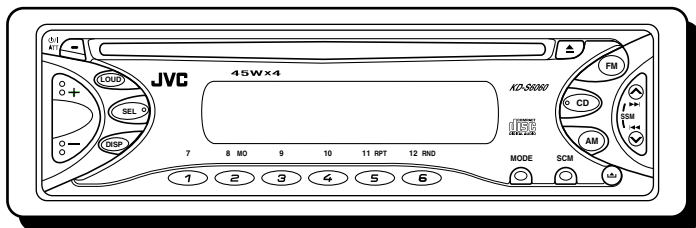
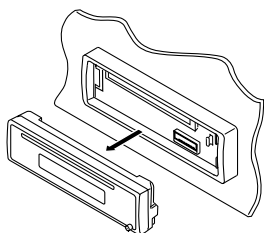
△ Symbol No.	Part No.	Part Name	Description	Local
A 1	GET0173-001A	INST BOOK	ENG GER FRE DUT	
A 2	GET0173-002A	INST BOOK	SPA ITA POL RUS	S6060 E
A 2	GET0173-003A	INST BOOK	SWE DAN FIN GRE	S6060 EX
A 3	GET0173-005A	INSTALL MANUAL		
A 4	GET0173-006A	INSTALL MANUAL		S6060 E
A 4	GET0173-007A	INSTALL MANUAL		S6060 EX
A 5	BT-54013-7	WARRANTY CARD		
A 6	VND3050-002	IDENTITY CARD		
A 7	VND3046-001	SERIAL TICKET		
A 8	VKZ4027-202	PLUG NUT		
A 9	VKH4871-001SS	MOUNT BOLT		
A 10	VKZ4328-001	LOCK NUT		
A 11	WNS5000Z	WASHER		
A 12	GE40130-002A	HOOK	(x2)	
A 13	FSJB3001-30C	HARD CASE		
A 14	GE20137-003A	MOUNTING SLEEVE		
A 15	GE20135-003A	TRIM PLATE		
A 16	QAM0089-001	16P CORD ASSY		
KIT	SRW-6060E	SCREW PARTS KIT	A8 to A12	
P 1	FSPG4002-001	POLY BAG	(x2)	
P 2	QPA00801205	POLY BAG	8cm x 12cm	
P 3	QPA01003003	POLY BAG	10cm x 30cm	
P 4	FSYH4036-068	SHEET		
P 5	QPC03004315P	POLY BAG	30cm x 43cm	
P 6	GE31075-003A	CARTON		
P 7	GE10036-001A	EPS CUSHION	(x2)	

JVC



CD RECEIVER
CD-RECEIVER
RECEPTEUR CD
CD-RECEIVER

KD-S6060



COMPACT
disc
DIGITAL AUDIO

For installation and connections, refer to the separate manual.
Für den Einbau und die Anschlüsse siehe das eigenständige Handbuch.
Pour l'installation et les raccordements, se référer au manuel séparé.
Bijzonderheden over de installatie en aansluiting van het apparaat vindt u in de desbetreffende handleiding.

INSTRUCTIONS

BEDIENUNGSANLEITUNG
MANUEL D'INSTRUCTIONS
GEBRUIKSAANWIJZING

GET0173-001A
[E/EX]

ENGLISH

DEUTSCH

FRANÇAIS

NERLANDS

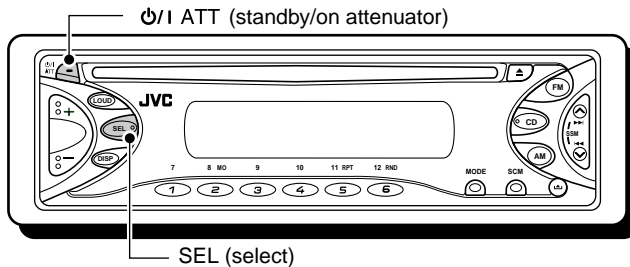
IMPORTANT FOR LASER PRODUCTS

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 laserstråling när den öppnas och spärren är urkopplad. Beträkta ej strålen. (s)	VARO : Avattaessa ja suoja- laitteita tai viälisensä olet aillima näkyväille ja näkymättömälle lasersäteilylle. Vältä säteien kohdistumista suoraan iihseeni. (f)
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How to reset your unit

While holding SEL (select), press ϕ /I ATT (standby/on attenuator) for more than 2 seconds. This will reset the built-in microcomputer.



Notes:

- Your preset adjustments—such as preset channels or sound adjustments—will also be erased.
- If a CD is in the unit, it will eject when you reset the unit. Be careful not to drop the CD.

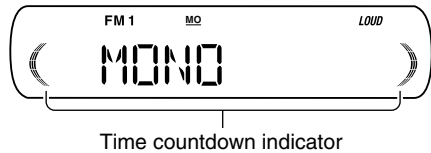
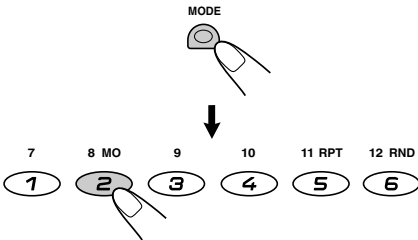
Thank you for purchasing a JVC product. Please read all instructions carefully before operation, to ensure your complete understanding and to obtain the best possible performance from the unit.

CONTENTS

How to reset your unit	2	SOUND ADJUSTMENTS	14
How to use the MODE button	3	Adjusting the sound	14
LOCATION OF THE BUTTONS	4	Turning on/off the loudness function	14
Control panel	4	Using the sound control memory (SCM) ...	15
BASIC OPERATIONS	5	Storing your own sound adjustments	16
Turning on the power	5	OTHER MAIN FUNCTIONS	17
Setting the clock	6	Selecting the level display—LEVEL	17
RADIO OPERATIONS	7	Canceling Advanced SCM—SCM LINK ...	17
Listening to the radio	7	Detaching the control panel	18
Storing stations in memory	9	TROUBLESHOOTING	19
Tuning in to a preset station	10	MAINTENANCE	20
CD OPERATIONS	11	Handling discs	20
Playing a CD	11	SPECIFICATIONS	21
Locating a track or a particular portion on a CD	12		
Selecting CD playback modes	12		
Prohibiting CD ejection	13		

How to use the MODE button

If you press MODE, the unit goes into functions mode and the number buttons work as different function buttons.



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

- Pressing MODE again also clears the functions mode.

Note:

For security reasons, a numbered ID card is provided with this unit, and the same ID number is imprinted on the unit's chassis. Keep the card in a safe place, as it will help the authorities to identify your unit if stolen.

BEFORE USE

*For safety....

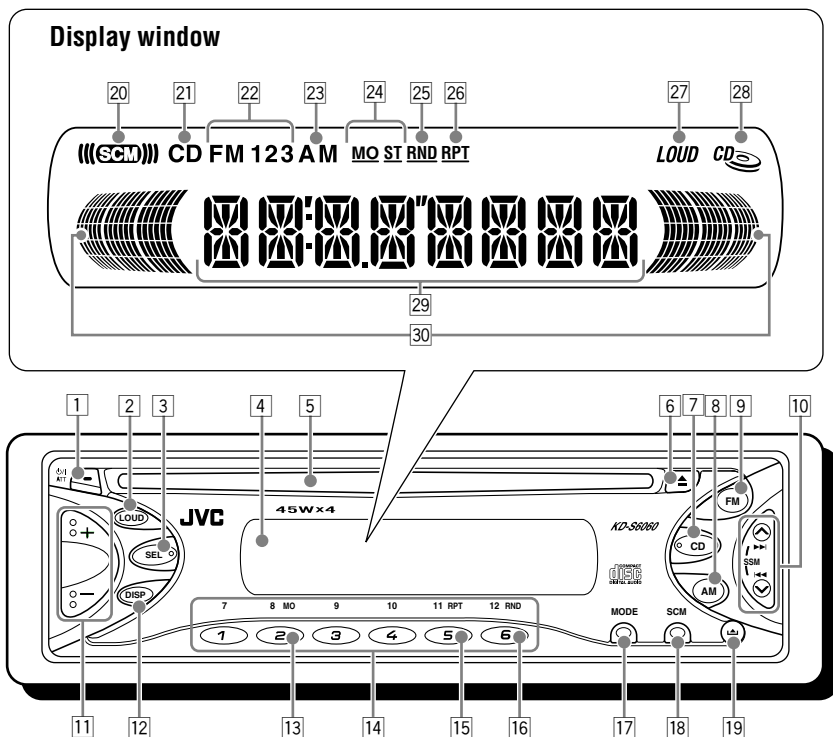
- Do not raise the volume level too much, as this will block outside sounds, making driving dangerous.
- Stop the car before performing any complicated operations.

*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.

LOCATION OF THE BUTTONS

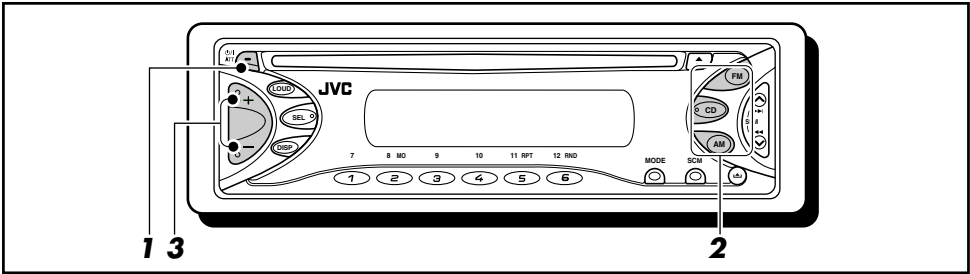
Control panel



- 1 ϕ /I ATT (standby/on attenuator) button
- 2 LOUD (loudness) button
- 3 SEL (select) button
- 4 Display window
- 5 Loading slot
- 6 \blacktriangle (eject) button
- 7 CD button
- 8 AM button
- 9 FM button
- 10 \blacktriangle \blacktriangleright /|/ \blacktriangleleft \blacktriangledown buttons
 - Also functions as SSM buttons when pressed together.
- 11 +/- buttons
- 12 DISP (display) button
- 13 MO (monaural) button
- 14 Number buttons
- 15 RPT (repeat) button
- 16 RND (random) button
- 17 MODE button
- 18 SCM (sound control memory) button
- 19 \blacktriangle (control panel release) button

Display window

- 20 SCM (sound control memory) indicator
- 21 CD source indicator
- 22 FM band indicators (FM1, FM2, FM3)
- 23 AM band indicator
- 24 Tuner reception indicators
MO (monaural), ST (stereo)
- 25 RND (random) indicator
- 26 RPT (repeat) indicator
- 27 LOUD (loudness) indicator
- 28 CD-in indicator
- 29 Main display
- 30 Volume level indicator



Turning on the power

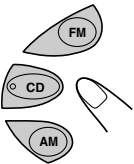
1 Turn on the power.



Note on One-Touch Operation:

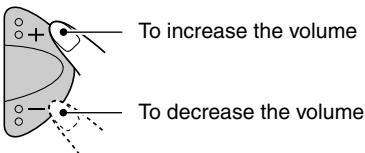
When you select a source in step **2** below, the power automatically comes on. You do not have to press this button to turn on the power.

2 Select the source.



To operate the tuner (FM or AM), see pages 7 – 10.
To play a CD, see pages 11 – 13.

3 Adjust the volume.



Volume level appears.



Volume level indicator (see page 17)

4 Adjust the sound as you want. (See pages 14 – 16.)

To drop the volume in a moment

Press **ATT** briefly while listening to any source. “ATT” starts flashing on the display, and the volume level will drop in a moment. To resume the previous volume level, press the button briefly again.

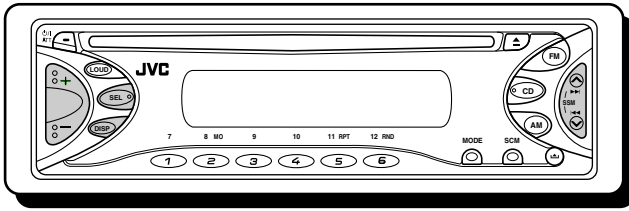
To turn off the power

Press and hold **ATT** for more than one second. “SEE YOU” appears, then the unit turns off.

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

CAUTION on Volume Setting:

CDs produce very little noise compared with other sources. If the volume level is adjusted for the tuner, for example, the speakers may be damaged by the sudden increase in the output level. Therefore, lower the volume before playing a CD and adjust it as required during playback.



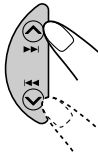
Setting the clock

- 1** Press and hold SEL (select) for more than 2 seconds.
 "CLOCK H," "CLOCK M," "SCM LINK," or "LEVEL" appears on the display.

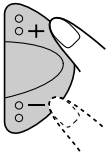


- 2** Set the hour.

- 1** Select "CLOCK H" (hour) if not shown on the display.

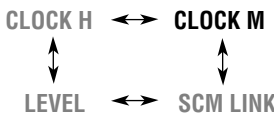
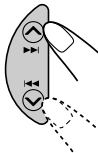


- 2** Adjust the hour.

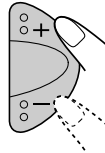


- 3** Set the minute.

- 1** Select "CLOCK M" (minute).



- 2** Adjust the minute.



- 4** Finish the setting.



To check the current clock time or change the display mode



Press DISP (display) repeatedly. Each time you press the button, the display mode changes as follows:

- During tuner operation:

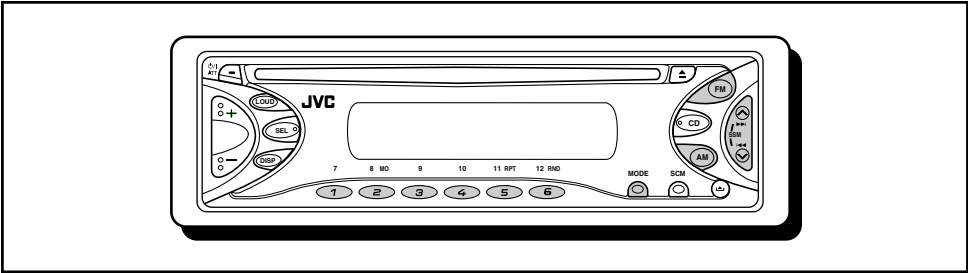
Frequency ↔ Clock

- During CD operation:

Elapsed playing time ↔ Clock

- During power off:

The power turns on and the clock time is shown for 5 seconds, then the power turns off.

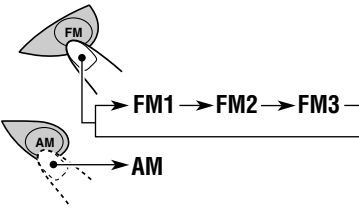


Listening to the radio

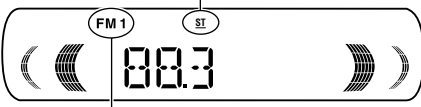
You can use either automatic searching or manual searching to tune in to a particular station.

Searching for a station automatically: Auto search

1 Select the band (FM1 – 3, AM).



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

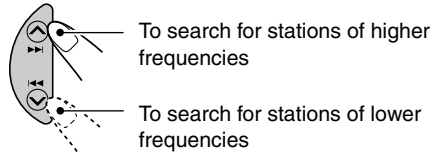


Selected band appears.

Note:

This receiver has three FM bands (FM1, FM2, FM3). You can use any one of them to listen to an FM broadcast.

2 Start searching for a station.



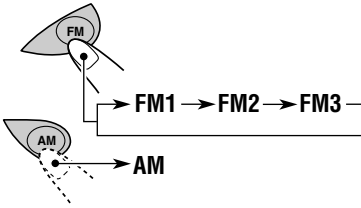
When a station is received, searching stops.

To stop searching before a station is received, press the same button you have pressed for searching.



Searching for a station manually: Manual search

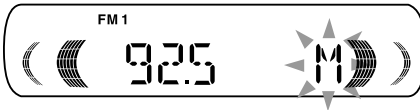
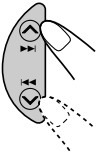
1 Select the band (FM1 – 3, AM).



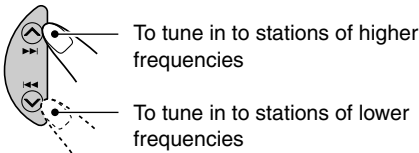
Note:

This receiver has three FM bands (FM1, FM2, FM3). You can use any one of them to listen to an FM broadcast.

2 Press and hold **▲▶▶▶** or **◀◀◀▼** until “M” (manual) starts flashing on the display.



3 Tune in to a station you want while “M” (manual) is flashing.

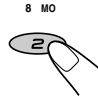


- If you release your finger from the button, the manual mode will automatically turn off after 5 seconds.
- If you hold down the button, the frequency keeps changing (in 50 kHz intervals for FM and 9 kHz intervals for AM—MW/LW) until you release the button.

When an FM stereo broadcast is hard to receive:



1 Press MODE to enter the functions mode while listening to an FM stereo broadcast.



2 Press MO (monaural), while still in the functions mode, so that the MO indicator lights up on the display.

Each time you press the button, the MO indicator lights up and goes off alternately.

MO (monaural) indicator



When the MO indicator is lit on the display, the sound you hear becomes monaural but the reception will be improved.

Storing stations in memory

You can use one of the following two methods to store broadcasting stations in memory.

- Automatic preset of FM stations: SSM (Strong-station Sequential Memory)
- Manual preset of both FM and AM stations

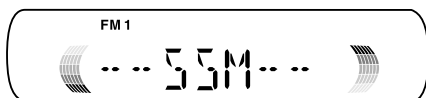
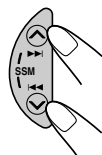
FM station automatic preset: SSM

You can preset 6 local FM stations in each FM band (FM1, FM2, and FM3).

- 1 Select the FM band (FM1 – 3) you want to store FM stations into.**



- 2 Press and hold both buttons for more than 2 seconds.**



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

Local FM stations with the strongest signals are searched and stored automatically in the band number you have selected (FM1, FM2, or FM3). These stations are preset in the number buttons—No.1 (lowest frequency) to No.6 (highest frequency).

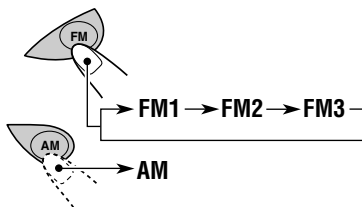
When automatic preset is over, the station stored in number button 1 will be automatically tuned in.

Manual preset

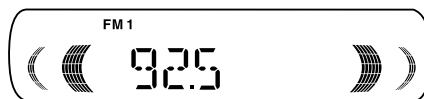
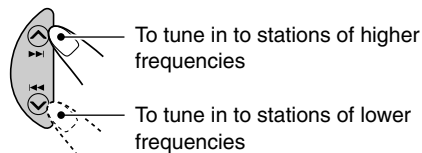
You can preset up to 6 stations in each band (FM1, FM2, FM3, and AM) manually.

Ex.: Storing FM station of 92.5 MHz into the preset number 1 of the FM1 band.

- 1 Select the band (FM1 – 3, AM) you want to store stations into (in this example, FM1).**

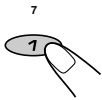


- 2 Tune in to a station (in this example, of 92.5 MHz).**





3 Press and hold the number button (in this example, 1) for more than 2 seconds.



“P1” flashes for a few seconds.

4 Repeat the above procedure to store other stations into other preset numbers.

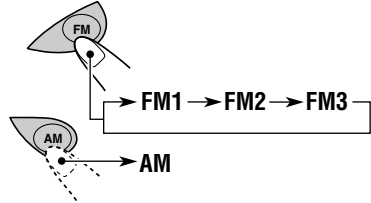
Notes:

- A previously preset station is erased when a new station is stored in the same preset number.
- Preset stations are erased when the power supply to the memory circuit is interrupted (for example, during battery replacement). If this occurs, preset the stations again.

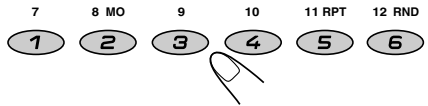
Tuning in to a preset station

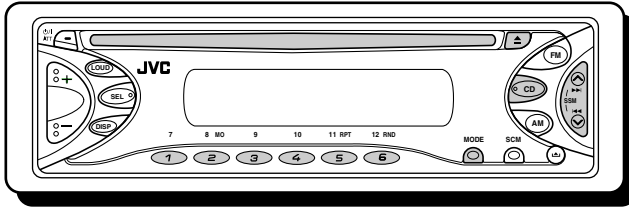
You can easily tune in to a preset station. Remember that you must store stations first. If you have not stored them yet, see “Storing stations in memory” on pages 9 and 10.

1 Select the band (FM1 – 3, AM).



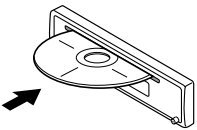
2 Select the number (1 – 6) for the preset station you want.





Playing a CD

Insert a CD into the loading slot.

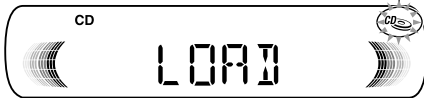


The unit turns on, draws the CD and starts playback automatically.

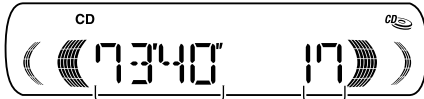
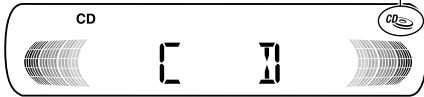
Note on One-Touch Operation:

When a CD is already in the loading slot, pressing CD turns on the unit and starts playback automatically.

The CD-in indicator flashes.

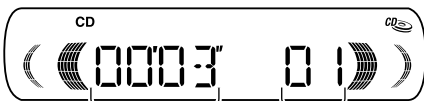


The CD-in indicator lights up.



Total playing time of the inserted disc

Total track number of the inserted disc



Elapsed playing time

Current track

All tracks will be played repeatedly until you stop playback.

Note:

When a CD is inserted upside down, "EJECT" appears on the display and the CD automatically ejects.

To stop play and eject the CD

Press ▲.

CD play stops and the CD automatically ejects from the loading slot. The source changes to the tuner (you will hear the last received station.)

- If you change the source, CD play also stops (without ejecting the CD). Next time you select "CD" as the source, CD play starts from where playback has been stopped previously.

Notes:

- If the ejected disc is not removed for about 15 seconds, the disc is automatically inserted again into the loading slot to protect it from dust. (CD play will not start this time.)
- You can eject the CD even when the unit is turned off.

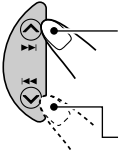
About mistracking:

Mistracking may result from driving on extremely rough roads. This does not damage the unit and the CD, but will be annoying. We recommend that you stop CD play while driving on such rough roads.



Locating a track or a particular portion on a CD

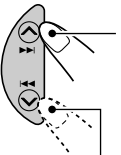
To fast-forward or reverse the track



Press and hold **▶▶▶**, while playing a CD, to fast-forward the track.

Press and hold **◀◀◀**, while playing a CD, to reverse the track.

To go to the next or previous tracks



Press **▶▶▶** briefly, while playing a CD, to go ahead to the beginning of the next track.

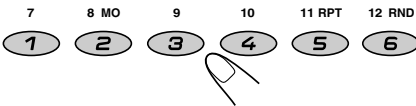
Each time you press the button consecutively, the beginning of the next tracks is located and played back.

Press **◀◀◀** briefly, while playing a CD, to go back to the beginning of the current track.

Each time you press the button consecutively, the beginning of the previous tracks is located and played back.

To go to a particular track directly

Press the number button corresponding to the track number to start its playback.



- To select a track number from 1 – 6:
Press 1 (7) – 6 (12) briefly.
- To select a track number from 7 – 12:
Press and hold 1 (7) – 6 (12) for more than one second.

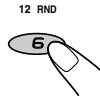
Selecting CD playback modes

To play back tracks at random (Random Play)

You can play back all tracks on the CD at random.

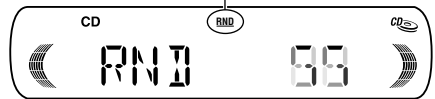


- 1 Press **MODE** to enter the functions mode while playing a CD.



- 2 Press **RND** (random), while still in the functions mode, so that the **RND** indicator lights up on the display. Each time you press the button, CD random play mode turns on and off alternately.

RND indicator



When Random Play is turned on, the **RND** indicator lights up on the display. A track randomly selected starts playing.



To play back tracks repeatedly (Repeat Play)

You can play back the current track repeatedly.

MODE



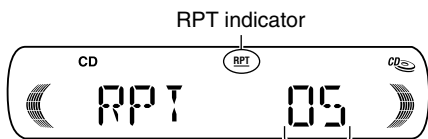
- 1 Press MODE to enter the functions mode while playing a CD.

11 RPT



- 2 Press RPT (repeat), while still in the functions mode, so that the RPT indicator lights up on the display.

Each time you press the button, CD repeat play mode turns on and off alternately.



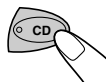
Track number of the currently playing track

When Repeat Play is turned on, the RPT indicator lights up on the display. The current track starts playing repeatedly.

Prohibiting CD ejection

You can prohibit CD ejection and can lock a CD in the loading slot.

While pressing CD, press and hold ▲ for more than 2 seconds.



"EJECT" flashes on the display for about 5 seconds, and the CD is locked and cannot be ejected.



To cancel the prohibition and unlock the CD

While pressing CD, press and hold ▲ again for more than 2 seconds.

"EJECT" appears on the display, and the CD ejects from the loading slot.

The CD-in indicator flashes.



SOUND ADJUSTMENTS

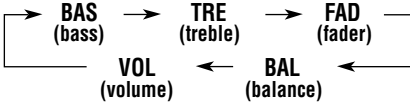
Adjusting the sound

You can adjust the sound characteristics to your preference.

1 Select the item you want to adjust.



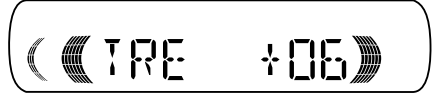
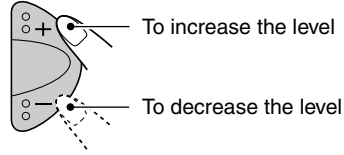
Each time you press the button, the adjustable items change as follows:



Indication	To do:	Range
BAS	Adjust the bass.	-06 (min.) +06 (max.)
TRE	Adjust the treble.	-06 (min.) +06 (max.)
FAD*	Adjust the front and rear speaker balance.	R06 (Rear only) F06 (Front only)
BAL	Adjust the left and right speaker balance.	L06 (Left only) R06 (Right only)
VOL	Adjust the volume.	00 (min.) 50 (max.)

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

2 Adjust the level.



Ex.: When you adjust "TRE" (treble)

Note:

Normally, the + and - buttons work as the volume control buttons. So you do not have to select "VOL" to adjust the volume level.

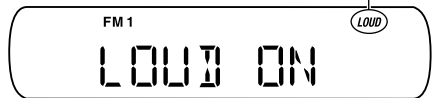
Turning on/off the loudness function

The human ear is less sensitive to low and high frequencies at low volumes. The loudness function can boost these frequencies to produce a well-balanced sound at low volume levels.



Each time you press LOUD, the loudness function turns on and off alternately.

LOUD (loudness) indicator



Using the sound control memory (SCM)

You can select and store a preset sound adjustment suitable for each playback source (**Advanced SCM**).

Selecting and storing the sound modes

Once you select a sound mode, it is stored in memory. It will be recalled every time you select the same source and will be shown on the display.

A sound mode can be stored for each of the following sources—FM1, FM2, FM3, AM, and CD.

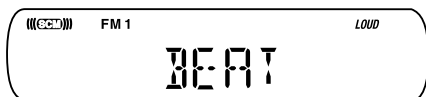
- If you do not want to store the sound mode separately for each playback source, but want to use the same sound mode for all the sources, see “Canceling Advanced SCM—SCM LINK” on page 17.

Select the sound mode you want.



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

→ **SCM OFF** → **BEAT** → **SOFT** → **POP**



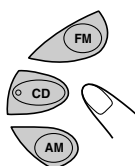
Ex.: When you select “BEAT”

- When “SCM LINK” is set to “LINK ON,” the selected sound mode can be stored in memory for the current source and the effect applies only to the current source.
- When “SCM LINK” is set to “LINK OFF,” the selected sound mode effect applies to any source.

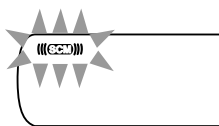
Indication	For:	Preset values		
		BAS	TRE	LOUD
SCM OFF	(Flat sound)	00	00	ON
BEAT	Rock or disco music	+02	00	ON
SOFT	Quiet background music	+01	-03	OFF
POP	Light music	+04	+01	OFF

Recalling the sound modes

When “SCM LINK” is set to “LINK ON,” select the source.



Each time you change the playback source, the SCM indicator flashes on the display.



The sound mode stored in memory for the selected source is recalled.

Notes:

- You can adjust each sound mode to your preference, and store it in memory.
If you want to adjust and store your original sound mode, see “Storing your own sound adjustments” on page 16.
- To adjust the bass and treble reinforcement levels or to turn on/off the loudness function temporarily, see page 14. (Your adjustments will be canceled if another source is selected.)



Storing your own sound adjustments

You can adjust the sound modes (BEAT, SOFT, POP) to your preference and store your own adjustments in memory.

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

1 Call up the sound mode you want to adjust.

SCM



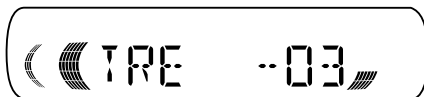
- See page 15 for details.



Ex.: When you select "SOFT"

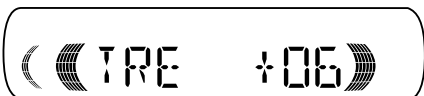
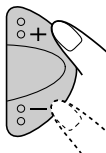
2 To adjust the bass or treble level.

- 1 Select "BAS" (bass) or "TRE" (treble).



Ex.: When you select "TRE" (treble)

- 2 Adjust the level.



To turn on or off the loudness function.



- See page 14 for details.

- 3 Repeat step **2** to adjust the other items.

- 4 Press and hold SCM until the sound mode you have selected in step **1** flashes on the display.



Your adjustment made for the selected sound mode is stored in memory.



- 5 Repeat the same procedure to store other sound modes.

To reset to the factory settings, repeat the same procedure and reassign the preset values listed in the table on page 15.



Selecting the level display —LEVEL

You can select the level display according to your preference.

When shipped from the factory, “VOL 2” is selected.

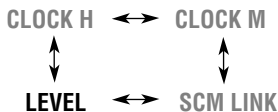
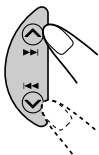
- VOL 1: Shows the volume level indicator.
- VOL 2: Alternates “VOL 1” setting and illumination display.
- OFF: Erases the volume level indicator.

1 Press and hold SEL (select) for more than 2 seconds.

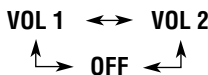
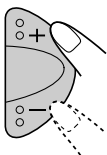
“CLOCK H,” “CLOCK M,” “SCM LINK,” or “LEVEL” appears on the display.



2 Select “LEVEL” if not shown on the display.



3 Select the desired mode—“VOL 1,” “VOL 2,” or “OFF.”



4 Finish the setting.



Canceling Advanced SCM —SCM LINK

You can cancel the Advanced SCM (Sound Control Memory), and unlink the sound modes and the playback sources.

When shipped from the factory, a different sound mode can be stored in memory for each source so that you can change the sound modes simply by changing the sources.

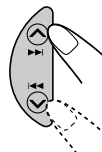
- LINK ON: Advanced SCM (different sound modes for different sources.)
- LINK OFF: Conventional SCM (one sound mode for all sources.)

1 Press and hold SEL (select) for more than 2 seconds.

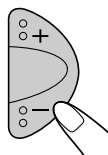
“CLOCK H,” “CLOCK M,” “SCM LINK,” or “LEVEL” appears on the display.



2 Select “SCM LINK” if not shown on the display.



3 Select “LINK OFF.”



4 Finish the setting.



To activate Advanced SCM (Sound Control Memory), repeat the same procedure and press + to select “LINK ON” in step 3.



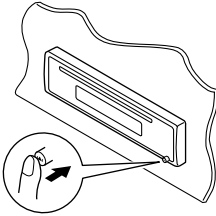
Detaching the control panel

You can detach the control panel when leaving the car.
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.

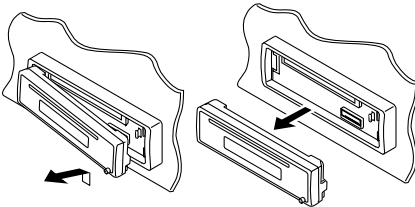
Detaching the control panel

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

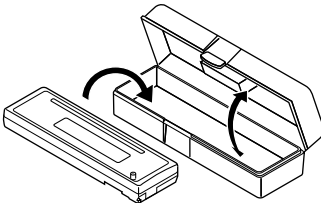
1 Unlock the control panel.



2 Lift and pull the control panel out of the unit.

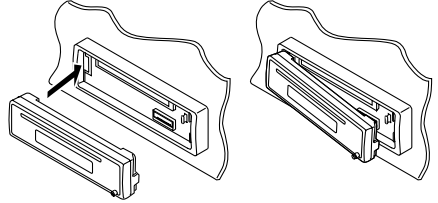


3 Put the detached control panel into the provided case.

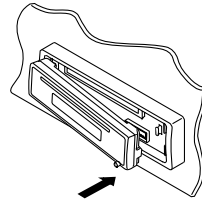


Attaching the control panel

1 Insert the left side of the control panel into the groove on the panel holder.

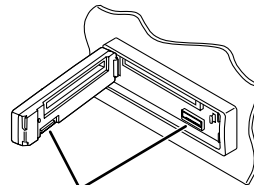


2 Press the right side of the control panel to fix it to the panel holder.



Note on cleaning the connectors:

If you frequently detach the control panel, the connectors will deteriorate. To minimize this possibility, periodically wipe the connectors with a cotton swab or cloth moistened with alcohol, being careful not to damage the connectors.



Connectors

TROUBLESHOOTING



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

	Symptoms	Causes	Remedies
General	<ul style="list-style-type: none"> 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.
	<ul style="list-style-type: none"> This unit does not work at all. 	The built-in microcomputer may have functioned incorrectly due to noise, etc.	While holding SEL (select), press ⏻/ATT (standby/on attenuator) for more than 2 seconds to reset the unit. (The clock setting and preset stations stored in memory are erased.) (See page 2.)
FM/AM	<ul style="list-style-type: none"> SSM (Strong-station Sequential Memory) automatic preset does not work. 	Signals are too weak.	Store stations manually.
	<ul style="list-style-type: none"> Static noise while listening to the radio. 	The aerial is not connected firmly.	Connect the aerial firmly.
CD Playback	<ul style="list-style-type: none"> CD automatically ejects. 	CD is inserted upside down.	Insert the CD correctly.
	<ul style="list-style-type: none"> CD-R cannot be played back. Tracks on the CD-R cannot be skipped. 	CD-R is not finalized.	<ul style="list-style-type: none"> Insert a finalized CD-R. Finalize the CD-R with the component which you used for recording.
	<ul style="list-style-type: none"> CD can be neither played back nor ejected. 	CD is locked.	Unlock the CD. (See page 13.)
		The CD player may have functioned incorrectly.	While holding ⏻/ATT (standby/on attenuator), press ⏏ (eject) for more than 2 seconds. Be careful not to drop the CD when it is ejected.
	<ul style="list-style-type: none"> CD sound is sometimes interrupted. 	You are driving on rough roads.	Stop playback while driving on rough roads.
		CD is scratched.	Change the CD.
		Connections are incorrect.	Check the cords and connections.
<ul style="list-style-type: none"> "NO DISC" appears on the display. 	No CD in the loading slot.	Insert a CD into the loading slot.	
	CD is inserted incorrectly.	Insert the CD correctly.	



MAINTENANCE

Handling discs

This unit has been designed to reproduce CDs and CD-Rs (Recordable).

- This unit is not compatible with MP3 discs.

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.



To play new discs

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



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

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 unit turned on for a few hours until the moisture evaporates.

When playing a CD-R

Before playing back CD-Rs, read their instructions or cautions carefully.

- Use only “finalized” CD-Rs.
- Some CD-Rs may not play back on this unit because of their disc characteristics, and for the following reasons:
 - Discs are dirty or scratched.
 - Moisture condensation on the lens inside the unit.
 - The pickup lens inside the unit is dirty.
- CD-Rs are susceptible to high temperatures or high humidity, so do not leave them inside your car.
- Do not use following CD-Rs:
 - 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. For example,

- Stickers or labels may shrink and warp a disc.
- Stickers or labels may peel off so discs cannot be ejected.
- Print on discs may get sticky.

Read instructions or cautions about labels and printable discs carefully.

- CD-RWs (Rewritable) cannot be played back on this unit.

CAUTIONS:

- Do not insert 8 cm discs (single CDs) into the loading slot. (Such discs cannot be ejected.)
- Do not insert any disc of unusual shape—like a heart or flower; otherwise, it will cause a malfunction.
- Do not expose discs to direct sunlight or any heat source or place them in a place subject to high temperature and humidity. Do not leave them in a car.
- Do not use any solvent (for example, conventional record cleaner, spray, thinner, benzene, etc.) to clean discs.

Warped disc



Sticker



Sticker residue

Disc



Stick-on label

AUDIO AMPLIFIER SECTION

Maximum Power Output:

Front: 45 W per channel

Rear: 45 W per channel

Continuous Power Output (RMS):

Front: 17 W per channel into 4 Ω , 40 Hz to 20 000 Hz at no more than 0.8% total harmonic distortion.

Rear: 17 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)

Tone Control Range:

Bass: ± 10 dB at 100 Hz

Treble: ± 10 dB at 10 kHz

Frequency Response: 40 Hz to 20 000 Hz

Signal-to-Noise Ratio: 70 dB

Line-Out Level/Impedance:

2.0 V/20 k Ω load (full scale)

Output Impedance: 1 k Ω

TUNER SECTION

Frequency Range:

FM: 87.5 MHz to 108.0 MHz

AM: (MW) 522 kHz to 1 620 kHz

(LW) 144 kHz to 279 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: 30 dB

Capture Ratio: 1.5 dB

[MW Tuner]

Sensitivity: 20 μ V

Selectivity: 35 dB

[LW Tuner]

Sensitivity: 50 μ V

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: 90 dB

Signal-to-Noise Ratio: 95 dB

Wow and Flutter: Less than measurable limit

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 150 mm

Panel Size (approx.):

188 mm \times 58 mm \times 11 mm

Mass (approx.):

1.3 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

**Haben Sie PROBLEME mit dem Betrieb?
Bitte setzen Sie Ihr Gerät zurück**

Siehe Seite Zurücksetzen des Geräts

**Vous avez des PROBLÈMES de fonctionnement?
Réinitialisez votre appareil**

Référez-vous à la page intitulée Comment réinitialiser votre appareil

**Hebt u PROBLEMEN met de bediening?
Stel het apparaat terug**

Zie de pagina met de paragraaf Het apparaat terugstellen

JVC

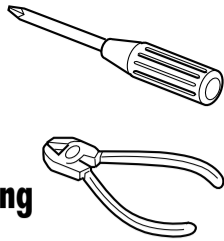
VICTOR COMPANY OF JAPAN, LIMITED



EN, GE, FR, NL

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0903KKSMĐTJEIN



ENGLISH

DEUTSCH

FRANÇAIS

NEDERLANDS

- This unit is designed to operate on 12 V DC, NEGATIVE ground electrical systems.

- Dieses Gerät ist für einen Betrieb in elektrischen Anlagen mit 12 V Gleichstrom und (-) Erdung ausgelegt.

- Cet appareil est conçu pour fonctionner sur des sources de courant continu de 12 V à masse NEGATIVE.

- Dit apparaat mag worden gebruikt bij elektrische systemen die werken op 12 V gelijkstroom met negatieve aarding.

INSTALLATION (IN-DASH MOUNTING)

EINBAU (IM ARMATURENBRETT)

INSTALLATION (MONTAGE DANS LE TABLEAU DE BORD)

INSTALLATIE (INBOUW IN HET DASHBOARD)

- The following illustration shows a typical installation. However, you should make adjustments corresponding to your specific car. If you have any questions or require information regarding installation kits, consult your JVC IN-CAR ENTERTAINMENT dealer or a company supplying kits.

- Die folgende Abbildung zeigt einen typischen Einbau. Dennoch müssen Sie entsprechend Ihrem jeweiligen Auto Anpassungen vornehmen. Bei irgendwelchen Fragen oder wenn Sie Informationen hinsichtlich des Einbausatzes brauchen, wenden Sie sich an ihren JVC Autoradiohändler oder ein Unternehmen das diese Einbausätze vertreibt.

- L'illustration suivante est un exemple d'installation typique. Cependant, vous devez faire les ajustements correspondant à votre voiture particulière. Si vous avez des questions ou avez besoin d'information sur des kits d'installation, consulter votre revendeur d'autoradios JVC ou une compagnie d'approvisionnement.

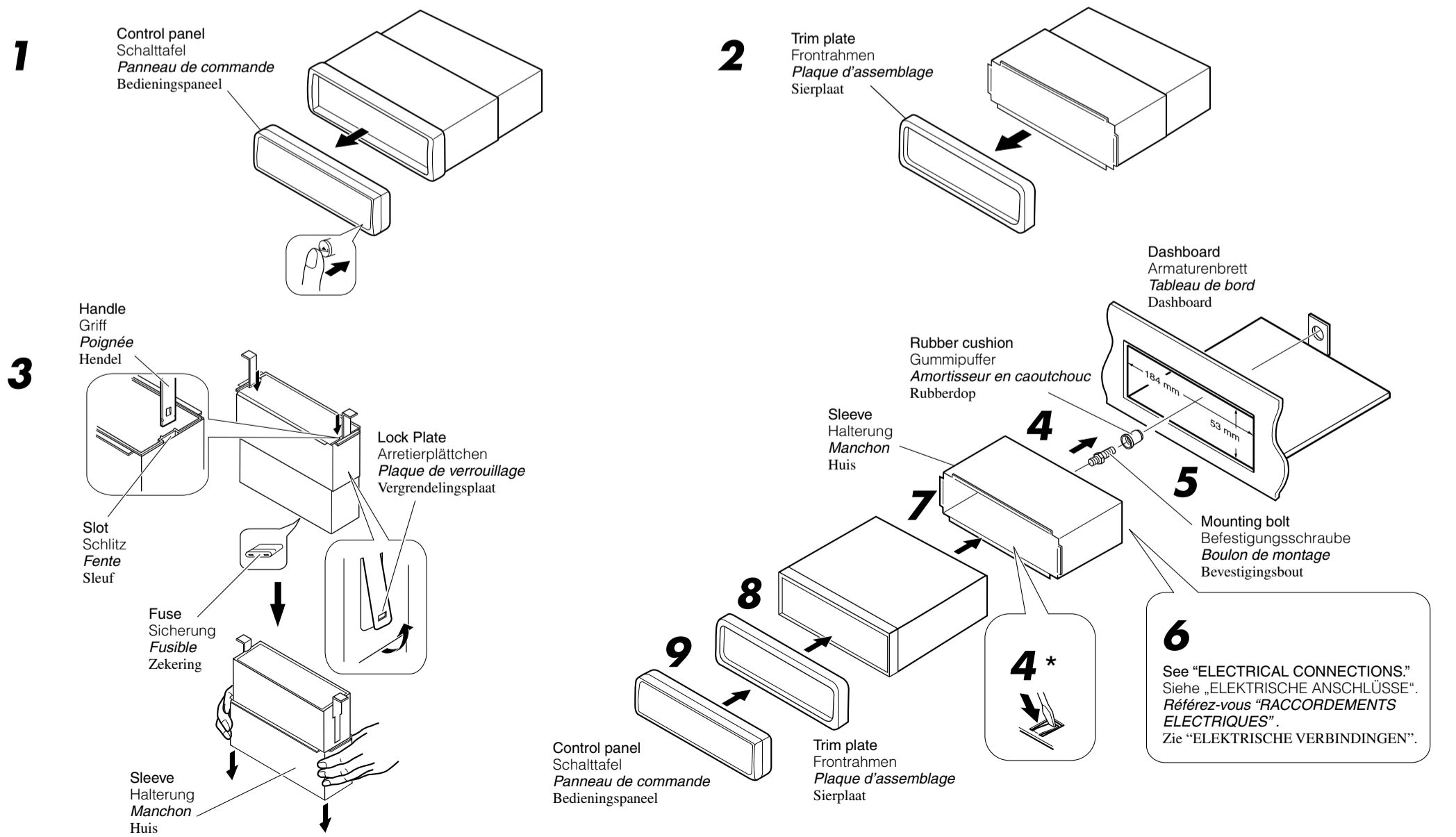
- Op de volgende afbeelding kunt u zien hoe de installatie, normaal gesproken, in zijn werk gaat. U moet echter bij de installatie rekening houden met de bijzonderheden van uw eigen auto. Neem bij vragen of voor meer bijzonderheden over inbouwpakketten contact op met uw JVC car audio dealer of een dealer of een bedrijf dat inbouwpakketten levert.

- 1 Before mounting:** Press (control panel release button) to detach the control panel if already attached.
* When shipped from the factory, the control panel is packed in the hard case.
- 2** Remove the trim plate.
- 3** Remove the sleeve after disengaging the sleeve locks.
① Stand the unit.
Note: When you stand the unit, be careful not to damage the fuse on the rear.
② Insert the 2 handles between the unit and the sleeve, as illustrated, to disengage the sleeve locks.
③ Remove the sleeve.
Note: Be sure to keep the handles for future use after installing the unit.
- 4** Install the sleeve into the dashboard.
* After the sleeve is correctly installed into the dashboard, bend the appropriate tabs to hold the sleeve firmly in place, as illustrated.
- 5** Fix the mounting bolt to the rear of the unit's body and place the rubber cushion over the end of the bolt.
- 6** Do the required electrical connections.
- 7** Slide the unit into the sleeve until it is locked.
- 8** Attach the trim plate.
- 9** Attach the control panel.

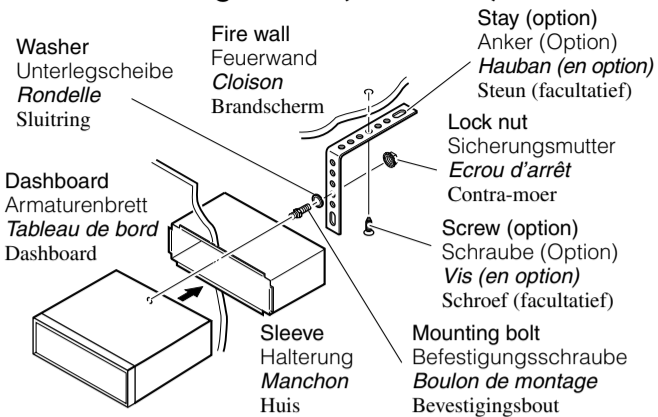
- 1 Vor dem Einbau:** Drücken Sie (Freigabe der Schalttafel), um die Arretierung der Schalttafel zu lösen, sofern diese bereits angebracht ist.
* Bei der Auslieferung ab Werk ist die Schalttafel im Etui verpackt.
- 2** Den Frontrahmen herausnehmen.
- 3** Die Halterung nach dem Entriegeln der Halterungssperren abnehmen.
① Das Gerät aufstellen.
Hinweis: Beim Aufstellen des Geräts darauf achten, daß die Sicherung auf der Rückseite nicht beschädigt wird.
② Die 2 Griffe zwischen dem Gerät und der Halterung wie abgebildet einstecken und die Halterungssperren entriegeln.
③ Die Halterung entfernen.
Hinweis: Sicherstellen, daß die Griffe für künftigen Gebrauch nach dem Einbau des Geräts aufbewahrt werden.
- 4** Die Halterung im Armaturenbrett einbauen.
* Nach dem korrekten Einbau der Halterung im Armaturenbrett, die entsprechenden Riegel umknicken, um die Halterung an ihrem Platz zu sichern, siehe Abbildung.
- 5** Die Befestigungsschraube an der Rückseite des Gerätekörpers befestigen und das Ende der Schraube mit einem Gummipuffer abdecken.
- 6** Nehmen Sie die erforderlichen elektrischen Anschlüsse vor.
- 7** Das Gerät in die Halterung schieben, bis es einrastet.
- 8** Befestigen Sie den Frontrahmen.
- 9** Die Schalttafel anbringen.

- 1 Avant le montage:** Appuyer sur (déblocage du panneau de commande) pour éventuellement détacher le panneau de commande.
* Lorsque ce panneau de commande sort d'usine, il est rangé dans un étui de transport.
- 2** Retirer la plaque d'assemblage.
- 3** Libérer les verrous du manchon et retirer le manchon.
① Poser l'appareil à la verticale.
Remarque: Lorsque vous mettez l'appareil à la verticale, faire attention de ne pas endommager le fusible situé sur l'arrière.
② Insérer les 2 poignées entre l'appareil et le manchon comme indiqué pour désengager les verrous de manchon.
③ Retirer le manchon.
Remarque: S'assurer de garder les poignées pour une utilisation ultérieure, après l'installation de l'appareil.
- 4** Installer le manchon dans le tableau de bord.
* Après installation correcte du manchon dans le tableau de bord, plier les bonnes pattes pour maintenir fermement le manchon en place, comme montré.
- 5** Monter le boulon de montage sur l'arrière du corps de l'appareil puis passer l'amortisseur en caoutchouc sur l'extrémité du boulon.
- 6** Réalisez les connexions électriques.
- 7** Faire glisser l'appareil dans le manchon jusqu'à ce qu'il soit verrouillé.
- 8** Attachez la plaque d'assemblage.
- 9** Remonter le panneau de commande.

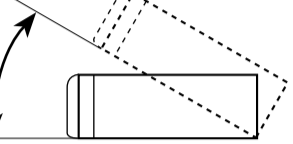
- 1 Voordat u aan de montage van het apparaat begint:** Druk op (het bedieningspaneel vrijgeven) als u het bedieningspaneel wilt loskoppelen indien dit aan de eenheid is vastgekoppeld.
* Standaard wordt het bedieningspaneel bij het verlaten van de fabriek los verpakt meegeleverd.
- 2** Verwijder de sierplaat.
- 3** Verwijder het huis nadat u de klemmen hebt losgemaakt.
① Zet het apparaat rechtop.
Opmerking: Wanneer u het apparaat rechtop zet, moet u erop letten dat u de zekering aan de achterkant niet beschadigt.
② Plaats de 2 hendels, zoals afgebeeld, tussen het apparaat en het huis, om de klemmen los te maken.
③ Verwijder het huis.
Opmerking: Bewaar de hendels nadat u het apparaat hebt geïnstalleerd, zodat u ze ook in de toekomst kunt gebruiken.
- 4** Installeer het huis in het dashboard.
* Nadat het huis op de juiste wijze in het dashboard is geplaatst, moet u de palletjes, zoals afgebeeld, stevig op hun plaats duwen.
- 5** Maak de bevestigingsbout aan de achterkant van het apparaat vast en plaats de rubberdop over het uiteinde van de bout.
- 6** Breng de vereiste elektrische verbindingen tot stand.
- 7** Schuif het apparaat in het huis totdat het vergrendeld is.
- 8** Bevestig een sierplaat.
- 9** Bevestig het bedieningspaneel.



- **When using the optional stay**
- **Beim Verwenden der Anker-Option**
- **Lors de l'utilisation du hauban en option**
- **Wanneer u de steun gebruikt (facultatief)**



Less than 30°
Weniger als 30°
Moins de 30°
Kleiner dan 30°

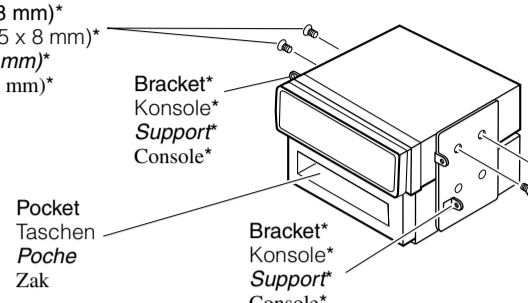


Install the unit at an angle of less than 30°.
Stellen Sie das Gerät mit einem Winkel von weniger als 30° auf.
Installez l'appareil avec un angle de moins de 30°.
Installeer het toestel met een hoek kleiner dan 30°.

- **When installing the unit without using the sleeve**
- **Beim Einbau des Geräts ohne Halterung**
- **Lors de l'installation de l'appareil sans utiliser de manchon**
- **Wanneer u het apparaat zonder huis installeert**

In a Toyota for example, first remove the car radio and install the unit in its place.
Zum Beispiel in einem Toyota zuerst das Autoradio ausbauen und dann das Gerät an seinem Platz einbauen.
Par exemple dans une Toyota, retirez d'abord l'autoradio et installez l'appareil à la place.
Voorbeeld: Bij een Toyota moet u eerst de autoradio verwijderen en daarna het apparaat installeren.

- Flat type screws (M5 x 8 mm)*
- Senkkopfschrauben (M5 x 8 mm)*
- Vis à tête plate (M5 x 8 mm)*
- Platkopschroeven (M5 x 8 mm)*



* Not included with this unit.
* Nicht Teil dieses Geräts.
* Non fourni avec cet appareil.
* Niet meegeleverd.

- Flat type screws (M5 x 8 mm)*
- Senkkopfschrauben (M5 x 8 mm)*
- Vis à tête plate (M5 x 8 mm)*
- Platkopschroeven (M5 x 8 mm)*

Note : When installing the unit on the mounting bracket, make sure to use the 8 mm-long screws. If longer screws are used, they could damage the unit.
Hinweis : Beim Anbringen des Gerät an der Konsole sicherstellen, daß 8 mm lange Schrauben verwendet werden. Werden längere Schrauben verwendet, können sie das Gerät beschädigen.
Remarque : Lors de l'installation de l'appareil sur le support de montage, s'assurer d'utiliser des vis d'une longueur de 8 mm. Si des vis plus longues sont utilisées, elles peuvent endommager l'appareil.
Opmerking : Wanneer u het apparaat aan de bevestigingsklem vastmaakt, moet u de 8 mm lange schroeven gebruiken. Als u langere schroeven gebruikt, kan het apparaat worden beschadigd.

Removing the unit

- Before removing the unit, release the rear section.
- 1** Remove the control panel.
- 2** Remove the trim plate.
- 3** Insert the 2 handles into the slots, as shown. Then, while gently pulling the handles away from each other, slide out the unit. **(Be sure to keep the handles after installing it.)**

Ausbau des Geräts

- Vor dem Ausbau des Geräts den hinteren Teil freigegeben.
- 1** Den Schalttafel abnehmen.
- 2** Den Frontrahmen herausnehmen.
- 3** Die 2 Griffe in die Schlitze wie gezeigt stecken. Dann die Griffe behutsam auseinander ziehen und das Gerät herausziehen. **(Die Griffe nach dem Einbau auf jeden Fall aufbewahren.)**

Retrait de l'appareil

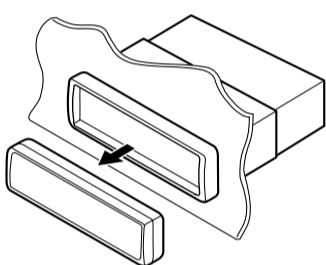
- Avant de retirer l'appareil, libérer la section arrière.
- 1** Retirer le panneau de commande.
- 2** Retirer la plaque d'assemblage.
- 3** Introduire les 2 poignées dans les fentes, comme montré. Puis, tout en tirant doucement les poignées écartées, faire glisser l'appareil pour le sortir. **(S'assurer de conserver les poignées après l'installation de l'appareil.)**

Verwijderen van het apparaat

- Voordat u het apparaat verwijdert, moet u het achtergedeelte losmaken.
- 1** Verwijder het bedieningspaneel.
- 2** Verwijder de sierplaat.
- 3** Plaats de 2 hendels, zoals afgebeeld, in de sleuven. Daarna duwt u de hendels zachtjes uit elkaar en kunt u het apparaat naar buiten schuiven. **(Bewaar de hendels nadat u het apparaat hebt geïnstalleerd!)**

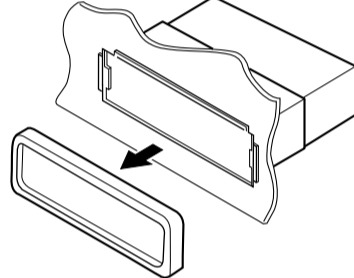
1

Control panel
Schalttafel
Panneau de commande
Bedieningspaneel



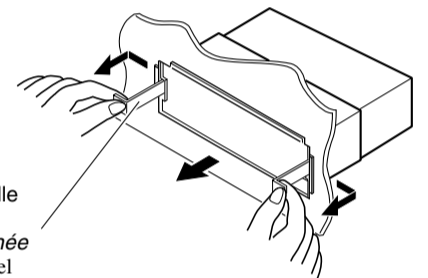
2

Trim plate
Frontrahmen
Plaque d'assemblage
Sierplaat



3

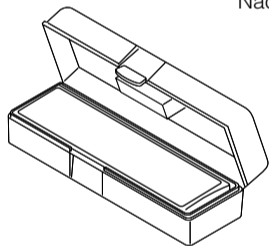
Handle
Griff
Poignée
Hendel



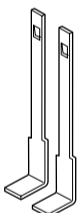
Parts list for installation and connection

The following parts are provided with this unit. After checking them, please set them correctly.

Hard case/Control panel
Etui/Schalttafel
Etui de transport/Panneau de commande
Behuizing/Bedieningspaneel



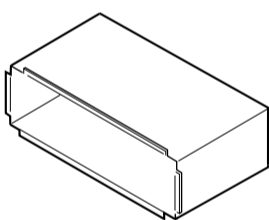
Handles
Griffe
Poignées
Hendels



Washer (ø5)
Unterlegscheibe(ø5)
Rondelle (ø5)
Sluitering (ø5)



Sleeve
Halterung
Manchon
Huis



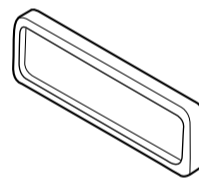
Lock nut (M5)
Sicherungsmutter (M5)
Ecrou d'arrêt (M5)
Contra-moer (M5)



Liste des pièces pour l'installation et raccordement

Les pièces suivantes sont fournies avec cet appareil. Après vérification, veuillez les placer correctement.

Trim plate
Frontrahmen
Plaque d'assemblage
Sierplaat



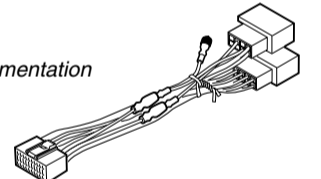
Mounting bolt (M5 x 20 mm)
Befestigungsschraube (M5 x 20 mm)
Boulon de montage (M5 x 20 mm)
Bevestigingsbout (M5 x 20 mm)



Lijst van onderdelen die u bij installatie en aansluiting nodig hebt

De volgende onderdelen worden bij het apparaat geleverd. Installeer ze op de juiste wijze, nadat u ze hebt gecontroleerd.

Power cord
Stroomkabel
Cordon d'alimentation
Stroomkabel



Rubber cushion
Gummipuffer
Amortisseur en caoutchouc
Rubberdop



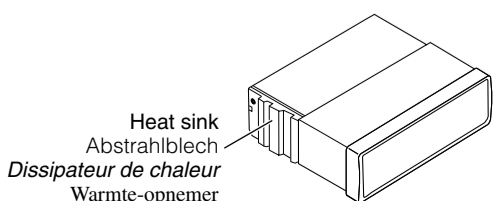
ELECTRICAL CONNECTIONS

To prevent short circuits, we recommend that you disconnect the battery's negative terminal and make all electrical connections before installing the unit. If you are not sure how to install this unit correctly, have it installed by a qualified technician.

Note:

This unit 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 IN-CAR ENTERTAINMENT dealers.

- Replace the fuse with one of the specified rating. If the fuse blows frequently, consult your JVC IN-CAR ENTERTAINMENT dealer.
- If noise is a problem... This unit incorporates a noise filter in the power circuit. However, with some vehicles, clicking or other unwanted noise may occur. If this happens, connect the unit's **rear ground terminal** (see connection diagram) to the car's chassis using shorter and thicker cords, such as copper braiding or gauge wire. If noise still persists, consult your JVC IN-CAR ENTERTAINMENT dealer.
- Maximum input of the speakers should be more than 45 W at the rear and 45 W at the front, with an impedance of **4 Ω to 8 Ω**.
- **Be sure to ground this unit to the car's chassis.**
- The heat sink becomes very hot after use. Be careful not to touch it when removing this unit.



ELEKTRISCHE ANSCHLÜSSE

Zur Vermeidung von Kurzschlüssen empfehlen wir, daß Sie den negativen Batterieanschluß abtrennen und alle elektrischen Anschlüsse herstellen, bevor das Gerät eingebaut wird. Sind Sie sich über den richtigen Einbau des Geräts nicht sicher, lassen Sie es von einem qualifizierten Techniker einbauen.

Hinweis:

Dieses Gerät ist für einen Betrieb in **elektrischen Anlagen mit 12 V Gleichstrom und (-) Erdung ausgelegt**. Verfügt Ihr Fahrzeug nicht über diese Anlage, ist ein Spannungsinverter erforderlich, der bei JVC Autoradiohändler erworben werden kann.

- Die Sicherung mit einer der entsprechenden Nennleistung ersetzen. Brennt die Sicherung häufig durch, wenden Sie sich an ihren JVC Autoradiohändler.
- Sind Störgeräusche ein Problem... Dieses Gerät enthält ein Störfilter im Stromkreis. Bei manchen Fahrzeugen kann jedoch ein Klicken oder andere unerwünschte Störgeräusche auftreten. Sollte das der Fall sein, die **hintere Erdungsanschlußklemme** (siehe Schaltplan) des Geräts am Fahrwerk des Fahrzeugs anschließen, dabei kürzere und dickere Kabel wie beispielsweise Kupfergeflecht oder Stahldraht verwenden. Bleibt Störgeräusch bestehen, wenden Sie sich an Ihren JVC Autoradiohändler.
- Die maximale Eingangsleistung der Lautsprecher sollte mehr als 45 W hinten und 45 W vorn bei einer Impedanz von **4 Ω bis 8 Ω** betragen.
- **Sicherstellen, daß das Gerät am Fahrwerk geerdet wird.**
- Das Abstrahlblech wird nach dem Gebrauch sehr heiß. Beim Ausbau des Geräts darauf achten, das Abstrahlblech nicht zu berühren.

RACCORDEMENTS ELECTRIQUES

Pour éviter tout court-circuit, nous vous recommandons de débrancher la borne négative de la batterie et d'effectuer tous les raccordements électriques avant d'installer l'appareil. Si l'on n'est pas sûr de pouvoir installer correctement cet appareil, le faire installer par un technicien qualifié.

Remarque:

Cet appareil est conçu pour fonctionner sur des sources de courant continu de **12 V à masse NEGATIVE**. Si votre véhicule n'offre pas ce type d'alimentation, il vous faut un convertisseur de tension, que vous pouvez acheter chez un revendeur d'autoradios JVC.

- Remplacer le fusible par un de la valeur précisée. Si le fusible saute souvent, consulter votre revendeur d'autoradios JVC.
- Si le bruit est un problème... Cet appareil incorpore un filtre de bruit dans le circuit d'alimentation. Cependant, avec certains véhicules, quelques claquements ou autres bruits non désirés risquent de se produire. Si cela arrive, raccorder la borne arrière de masse de l'appareil au châssis de la voiture (voir le diagramme de raccordement) en utilisant des cordons les plus gros et les plus courts possibles telle qu'une barre de cuivre ou une tresse. Si le bruit persiste, consulter votre revendeur d'autoradios JVC.
- La puissance admissible des enceintes devrait supérieure à 45 W à l'arrière et à 45 W l'avant, avec une impédance de **4 Ω à 8 Ω**.
- **S'assurer de raccorder la mise à la masse de cet appareil au châssis de la voiture.**
- Le dissipateur de chaleur devient très chaud après usage. Faire attention de ne pas le toucher en retirant cet appareil.

ELEKTRISCHE VERBINDINGEN

Om kortsluiting te voorkomen adviseren wij u om de minpool van de accu los te maken en alle elektrische verbindingen tot stand te brengen voordat u het apparaat in de auto installeert. Als u niet zeker weet hoe u dit apparaat moet installeren, kunt u dit beter door een daartoe gekwalificeerde technicus laten doen.

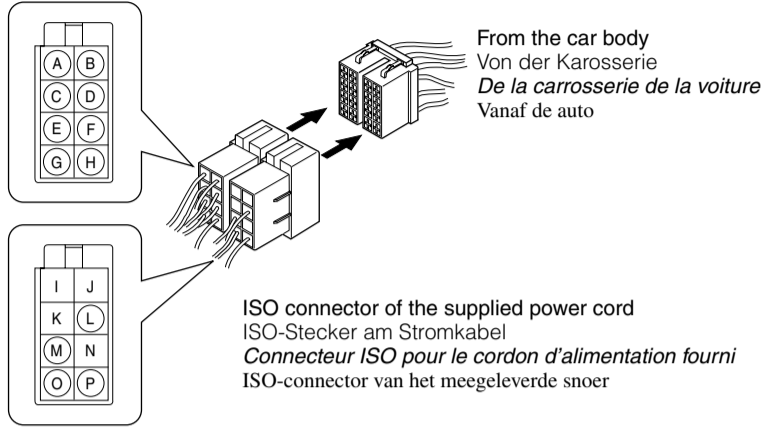
Opmerking:

Dit apparaat mag worden gebruikt bij elektrische systemen die werken op **12 V gelijkstroom met negatieve aarding**. Als uw auto niet is uitgerust met een dergelijk systeem, is een spanningsomzetter vereist. Dit instrument kan worden aangeschaft bij JVC car audio dealers.

- Vervang de zekering door een exemplaar met het aangegeven vermogen. Als de zekering vaak doorslaat, moet u uw JVC car audio dealer raadplegen.
- Als u geluidsproblemen hebt... De krachtschakeling van dit apparaat heeft een ingebouwd geluidsfilter. In sommige voertuigen zijn tikgeluiden of andere ongewenste geluiden te horen. Als dit gebeurt, moet u de **massaklem aan de achterkant** (zie aansluitingsschema) aan het chassis van de auto vastmaken met behulp van een kortere en dikkere kabel, zoals kopermanteldraad of tellerkabel. Als het geluid niet verdwijnt, moet u contact opnemen met uw JVC car audio dealer.
- Het maximum ingangsvermogen van de speakers moet achterin meer dan 45 W zijn en voorin 45 W, met een impedantie van **4 Ω tot 8 Ω**.
- **Zorg ervoor dat dit apparaat door middel van een aardkabel is verbonden met het chassis van de auto.**
- De warmte-opnemer kan na gebruik erg heet worden. Raak de warmte-opnemer niet aan wanneer u dit apparaat van zijn plaats haalt.

**⚠ If your car is equipped with the ISO connector
Wenn Ihr Auto mit ISO-Steckern ausgestattet ist
Si votre voiture est équipée d'un connecteur ISO
Indien uw auto is uitgerust met de ISO-connector**

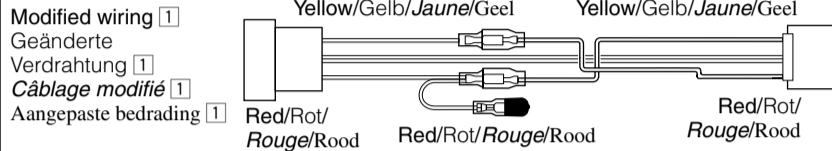
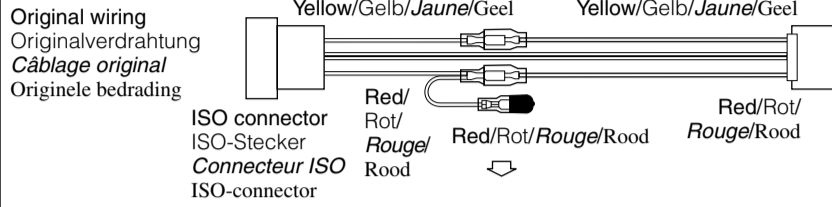
- Connect the ISO connectors as illustrated.
- Die ISO-Stecker wie abgebildet anschließen.
- Connectez les connecteurs ISO comme montré sur l'illustration.
- Sluit de ISO-connectoren aan zoals op het voorbeeld is aangegeven.



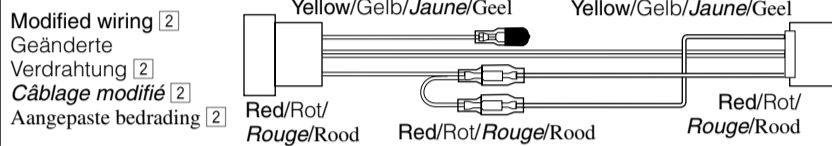
**For some VW/Audi or Opel (Vauxhall) automobile
Für manche VW/Audi oder Opel (Vauxhall) Fahrzeuge
Pour certaine voiture VW/Audi ou Opel (Vauxhall)
Voor bepaalde modellen VW/Audi of Opel (Vauxhall) geldt**

You may need to modify the wiring of the supplied power cord as illustrated.

- Contact your authorized car dealer before installing this unit.
- Sie müssen evtl. die Verdrahtung des mitgelieferten Stromkabels wie abgebildet ändern.
- Wenden Sie sich an Ihre Vertragswerkstatt, bevor Sie das Gerät einbauen.
- Vous aurez peut-être besoin de modifier le câblage du cordon d'alimentation fourni comme montré sur l'illustration.
- Contactez votre revendeur automobile autorisé avant d'installer l'appareil.
- Wellicht moet u de bedrading van het meegeleverde snoer als in het voorbeeld aanpassen.
- Neem contact op met uw officiële autodealer alvorens dit apparaat te installeren.



Use modified wiring [2] if the unit does not turn on.
Geänderte Verdrahtung [2] verwenden, wenn das Gerät so nicht an geht.
Utilisez le câblage modifié [2] si l'appareil ne se met pas sous tension.
Pas de bedrading [2] aan indien het apparaat niet reageert bij inschakelen.



**⚠ Connections without using the ISO connectors / Anschlüsse ohne ISO-Stecker / Connexions sans l'utilisation des connecteurs ISO /
Verbindingen zonder ISO-connectoren**

Before connecting: Check the wiring in the vehicle carefully. Incorrect connection may cause serious damage to this unit.

The leads of the power cord and those of the connector from the car body may be different in color.

- 1 Cut the ISO connector.
- 2 Connect the colored leads of the power cord to the car battery, speakers and power aerial (if any) in the following sequence.
 - 1 Black: ground
 - 2 Yellow: to car battery (constant 12 V)
 - 3 Red: to an accessory terminal
 - 4 Blue with white stripe: to remote lead of other equipment or power aerial if any (200 mA max.)
 - 5 Others: to speakers
- 3 Connect the aerial cord.
- 4 Finally connect the wiring harness to the unit.

Vor dem Anschließen: Die Verdrahtung im Fahrzeug sorgfältig überprüfen. Falsche Anschlüsse können ernsthafte Schäden am Gerät hervorrufen.

Die Leiter des Stromkabels und die Leiter des Anschlusses im Fahrzeug können sich farblich unterscheiden.

- 1 Den ISO-Stecker abschneiden.
- 2 Die farbigen Leitungen des Spannungsversorgungskabels an der Autobatterie, ontstekingsschakelaarden Lautsprechern und dem Motorantenne (sofern vorhanden) in folgender Reihenfolge anschließen.
 - 1 Schwarz: Erdung
 - 2 Gelb: an Autobatterie (konstant 12 V)
 - 3 Rot: zur einer Zubehörananschlußklemme
 - 4 Blau mit weißem Streifen: zum Zusatzkabel des anderen Geräts oder der Motorantenne, sofern vorhanden (max. 200 mA)
 - 5 Andere: zur Lautsprecher
- 3 Das Antennenkabel anschließen.
- 4 Die Kabelbäume am Gerät anschließen.

Avant de commencer la connexion: Vérifiez attentivement le câblage du véhicule. Une connexion incorrecte peut endommager sérieusement l'appareil.

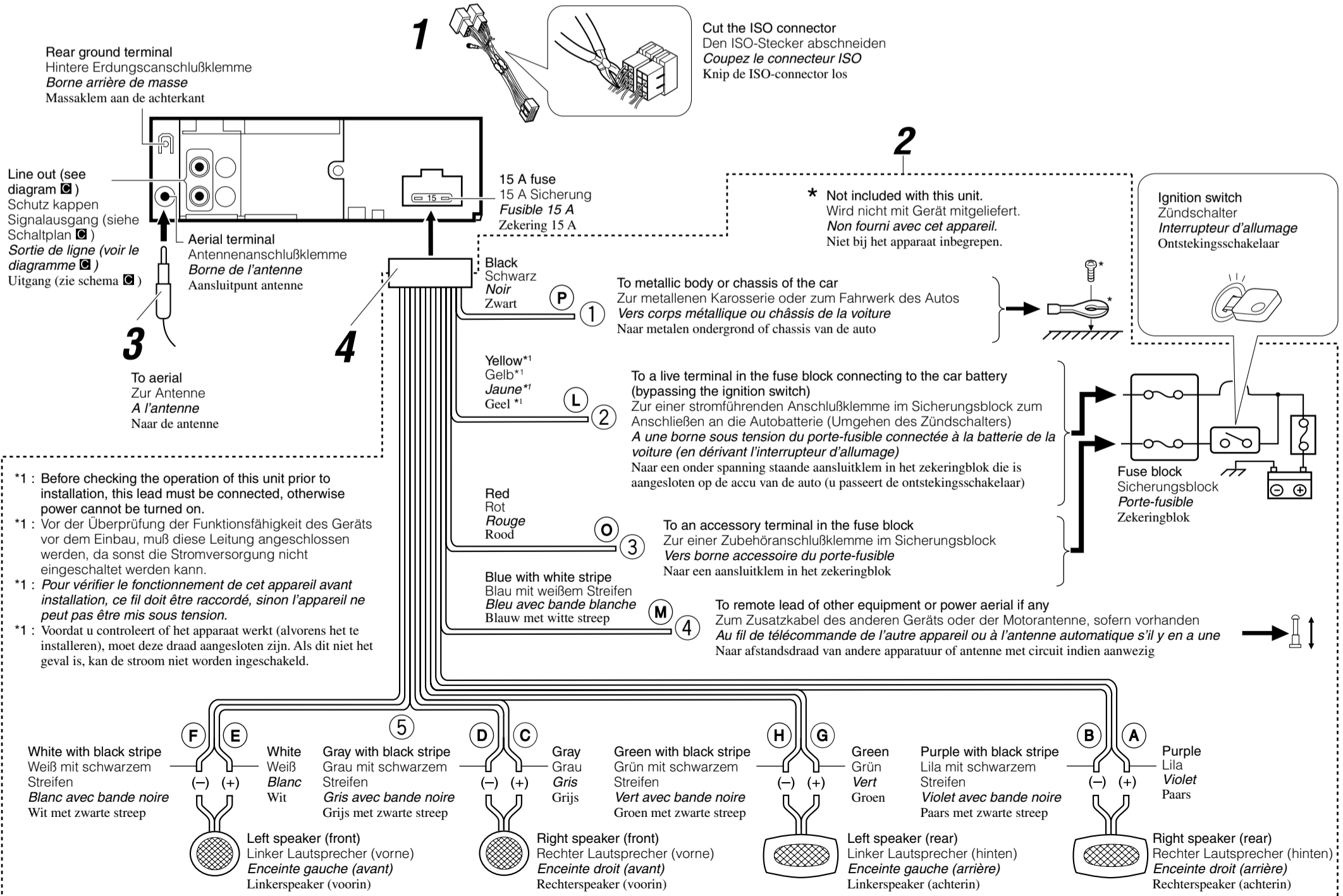
Le fil du cordon d'alimentation et ceux des connecteurs du châssis de la voiture peuvent être différents en couleur.

- 1 Coupez le connecteur ISO.
- 2 Connectez les fils de couleur du cordon d'alimentation à la batterie de la voiture, aux enceintes et à l'antenne automatique (s'il y en a une) dans l'ordre suivant.
 - 1 Noir: à la masse
 - 2 Jaune: à la batterie de la voiture (12 V constant)
 - 3 Rouge: à une borne accessoire
 - 4 Bleu avec bande blanche: au fil de télécommande de l'autre appareil ou à l'antenne automatique s'il y en a une (200 mA max.)
 - 5 Autres: aux enceintes
- 3 Connectez le cordon d'antenne.
- 4 Finalement, connectez le faisceau de fils à l'appareil.

Alvorens de verbindingen tot stand te brengen: Moet u de bedrading in de auto zorgvuldig. Het apparaat kan door verkeerde verbindingen ernstige schade oplopen.

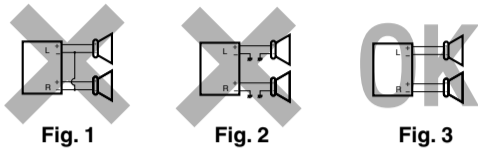
De draden van het stroomkabel verschillen mogelijk van kleur met de aansluitingen op het chassis van de auto.

- 1 Knip de ISO-connector los.
- 2 Sluit de gekleurde snoerdraden van de stroomkabel in de hierna genoemde volgorde aan op de accu van de auto, de luidsprekers en de antenne (indien aanwezig).
 - 1 Zwart: aarde
 - 2 Geel: naar de accu van de auto (constant 12 V)
 - 3 Rood: naar de aansluitklem van de accessoire
 - 4 Blauw met witte streep: naar afstandsdraad van andere apparatuur of antenne met circuit indien aanwezig (200 mA max.)
 - 5 Andere: naar de speakers
- 3 Sluit de antenne aan.
- 4 Verbind de draadbundel daarna met het apparaat.



PRECAUTIONS on power supply and speaker connections:

- **DO NOT** connect the speaker leads of the power cord to the car battery; otherwise, the unit will be seriously damaged.
- Connect the black lead (ground), yellow lead (to car battery, constant 12 V), and red lead (to an accessory terminal) correctly.
- **BEFORE** connecting the speaker leads of the power cord to the speakers, check the speaker wiring in your car.
 - If the speaker wiring in your car is as illustrated in Fig. 1 and Fig. 2 below, **DO NOT** connect the unit using that original speaker wiring. If you do, the unit will be seriously damaged.
 - Redo the speaker wiring so that you can connect the unit to the speakers as illustrated in Fig. 3.
 - If the speaker wiring in your car is as illustrated in Fig. 3, you can connect the unit using the original speaker wiring in your car.
 - If you are not sure of the speaker wiring of your car, consult your car dealer.



VORSICHTSMASSEGEN beim Anschließen der Stromversorgung und Lautsprecher:

- Die Lautsprecherleitungen des Netzkabels **NICHT** an der Autobatterie anschließen, da sonst das Gerät schwer beschädigt wird.
- Die schwarze Leitung (Erdung), die gelbe Leitung (zur Autobatterie, konstant 12 V) und die rote Leitung (zur Zubehörschlussschleife) richtig anschließen.
- **VOR** dem Anschließen der Lautsprecherleitungen des Spannungsversorgungskabels an die Lautsprecher, die Lautsprecherverdrahtung in Ihrem Auto überprüfen.
 - Ist die Lautsprecherverdrahtung wie unten in „Fig. 1“ und „Fig. 2“ abgebildet, das Gerät **NICHT** mit der Originalverdrahtung der Lautsprecher anschließen, da sonst das Gerät schwer beschädigt wird.
 - Die Lautsprecherverdrahtung erneuern, so daß Sie das Gerät an den Lautsprechern wie in „Fig. 3“ abgebildet anschließen können.
 - Ist die Lautsprecherverdrahtung in Ihrem Auto wie in „Fig. 3“ abgebildet, können Sie das Gerät mit der Originalverdrahtung der Lautsprecher in Ihrem Auto anschließen.
 - Sind Sie sich über die Lautsprecherverdrahtung in Ihrem Auto nicht sicher, wenden Sie sich an Ihren Autohändler.

PRECAUTIONS sur l'alimentation et la connexion des enceintes:

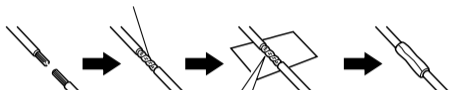
- **NE CONNECTEZ PAS** les fils d'enceintes du cordon d'alimentation à la batterie; sinon, l'appareil serait sérieusement endommagé.
- Connectez correctement le fil noir (à la masse), le fil jaune (à la batterie de la voiture, 12 V constant) et le fil rouge (à la prise accessoire).
- **AVANT** de connecter les fils d'enceintes du cordon d'alimentation aux enceintes, vérifiez le câblage des enceintes de votre voiture.
 - Si le câblage des enceintes de votre voiture est comme montré sur la Fig. 1 ou Fig. 2 ci-dessous, **NE CONNECTEZ PAS** l'appareil en utilisant ce câblage original des enceintes. Si vous le faites, l'appareil sera sérieusement endommagé.
 - Recommencez le câblage des enceintes de façon que vous puissiez connecter l'appareil aux enceintes comme montré sur la Fig. 3.
 - Si le câblage des enceintes de votre voiture est comme montré sur la Fig. 3, vous pouvez connecter l'appareil en utilisant ce câblage original d'enceintes pour votre voiture.
 - Si vous n'êtes pas sûrs du câblage d'enceintes de votre voiture, consultez le concessionnaire de votre voiture.

VOORZORGSMAATREGELEN bij het verbinden van de stroomkabeldraad met de speakers:

- Verbind de speakerdraden van de stroomkabel **NIET** met de accu van de auto; als u dit wel doet, zal het apparaat ernstige schade oplopen.
- Sluit de zwarte draad (aarde), de gele draad (naar de accu van de auto, constant 12 V) en de rode draad (naar de aansluitklem van de accessoire) op de juiste wijze aan.
- **VOORDAT** u de speakerdraden van de stroomkabel met de speakers verbindt, moet u de bedrading van de speakers in uw auto controleren.
 - Als de bedrading van de speakers eruitziet zoals hieronder staat afgebeeld in Fig. 1 en Fig. 2, mag het apparaat **NIET** worden aangesloten met behulp van deze oorspronkelijke speakerbedrading. Als u dat wel doet, zal het apparaat ernstige schade oplopen.
 - Pas de bedrading van de speakers aan, zodat u het apparaat met de speakers kunt verbinden, zoals staat afgebeeld in Fig. 3.
 - Als de bedrading van de speakers eruitziet zoals staat afgebeeld in Fig. 3, kunt u het apparaat aansluiten met behulp van de oorspronkelijke speakerbedrading in uw auto.
 - Als u twijfels hebt over de speakerbedrading in uw auto, moet u contact opnemen met uw autodealer.

Connecting the leads / Anschließen der Leitungen / Raccordement des fils / Aansluiting van de gekleurde draden

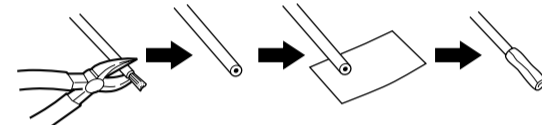
Twist the core wires when connecting.
Die Kerndrähte beim Anschließen verdrehen.
Torsader les âmes des fils en les raccordant.
Draai de kerndraden om elkaar heen wanneer u ze wilt aansluiten.



Solder the core wires to connect them securely.
Die Kerndrähte anlöten, um sie fest anzuschließen.
Souder les âmes des fils pour les raccorder entre eux de façon sûre.
Soldeer de kerndraden zodat ze stevig vast zitten.

CAUTION / VORSICHT / PRECAUTION / LET OP!:

- To prevent short-circuit, cover the terminals of the UNUSED leads with insulating tape.
- Zur Vermeidung eines Kurzschlusses die Anschlußklemmen der **NICHT VERWENDETEN** Leitungen mit Isolierklebeband umwickeln.
- *Pour éviter les court-circuits, couvrir les bornes des fils qui ne sont PAS UTILISÉS avec de la bande isolante.*
- Om kortsluiting te voorkomen, moet u de aansluitklemmen van **ONGEBRUIKTE** gekleurde draden met isolatieband bedekken.



Connections Adding Other Equipment / Anschlüsse zum Hinzufügen von anderer Ausrüstung / Raccordement pour ajouter d'autres appareils / Aansluitingen voor het toevoegen van andere apparatuur

Amplifier / Verstärker / Amplificateur / Versterker

You can connect an amplifier 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 unit.
- Connect this unit's line-out terminals to the amplifier's line-in terminals.
- **Disconnect the speakers from this unit, connect them to the amplifier. Leave the speaker leads of this unit unused. (Cover the terminals of these unused leads with insulating tape, as illustrated above.)**

Sie können einen Verstärker anschließen, um Ihre Autostereoeinrichtung zu erweitern.

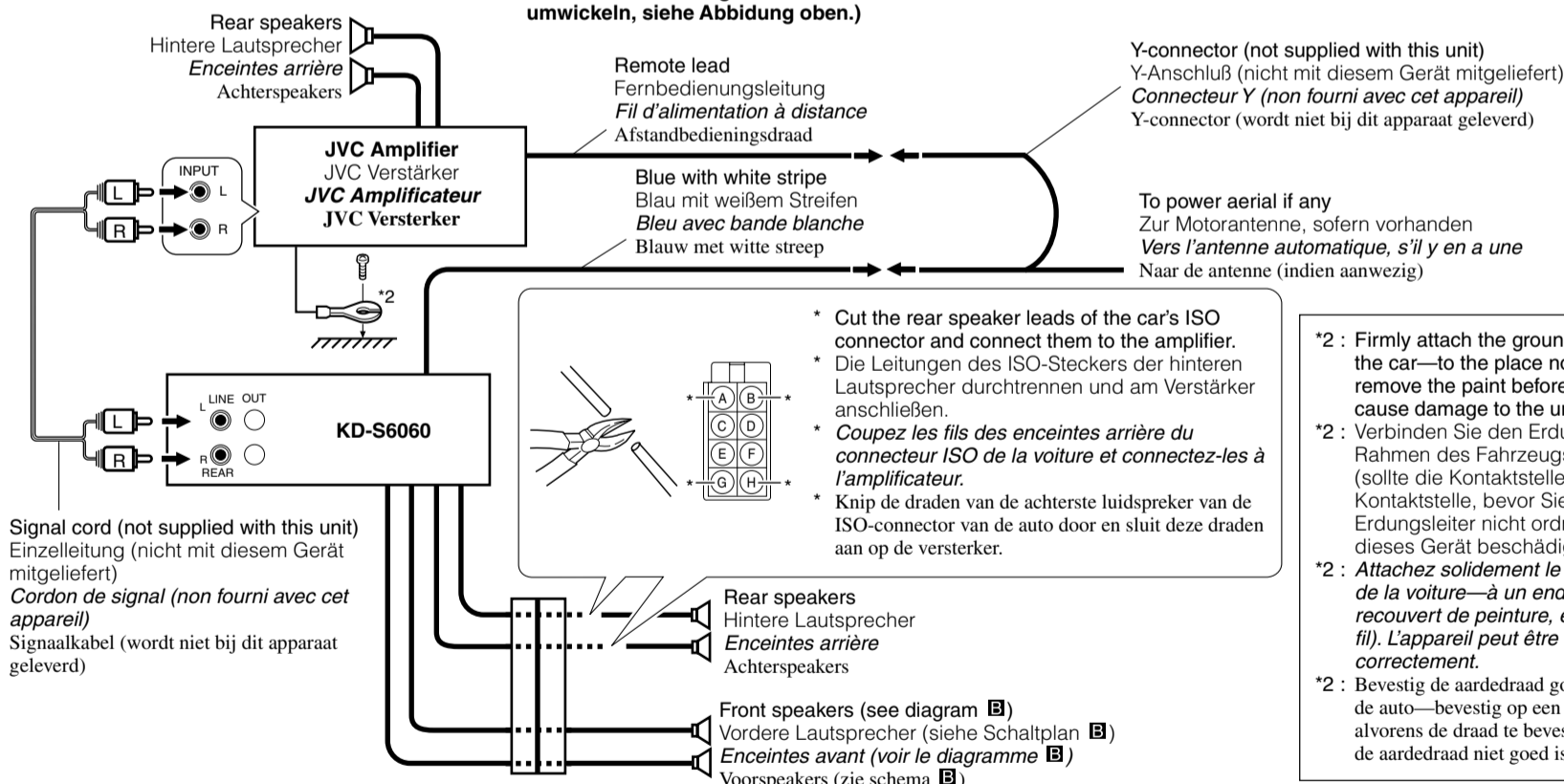
- Schließen Sie das Fernbedienungskabel (blau mit weißem Streifen) an das Fernbedienungskabel des anderen Geräts an, so daß es über dieses Gerät gesteuert werden kann.
- Die Anschlußklemmen am Ausgang dieses Gerät an den Anschlußklemmen des Eingangs des Verstärkers anschließen.
- Die Lautsprecher von diesem Gerät abtrennen und am Verstärker anschließen. Die Lautsprecherleitungen dieses Geräts unbenutzt lassen. (Die Anschlußklemmen dieser nicht verwendeten Leitungen mit Isolierklebeband umwickeln, siehe Abbildung oben.)

Vous pouvez connecter un amplificateur pour améliorer votre système autoradio.

- Connectez le fil de commande à distance (bleu avec bande blanche) au fil de commande à distance de l'autre appareil de façon qu'il puisse être commandé via cet appareil.
- Raccorder les bornes de sortie ligne de cet appareil aux bornes d'entrée ligne de l'amplificateur.
- Déconnectez les enceintes de cet appareil et connectez-les à l'amplificateur. Laissez les fils d'enceintes de cet appareil inutilisés. (Recouvrir les extrémités de ces fils inutilisés avec de la bande isolante comme montré ci-dessus.)

Het is mogelijk om uw autostereosysteem uit te breiden met een versterker.

- Verbind de externe kabel (blauw met witte streep) met de externe kabel van het andere apparaat zodat deze op afstand vanaf deze apparaat kan worden bediend.
- Verbind de uitgang van het apparaat met de ingang van de versterker.
- **Koppel de speakers van dit apparaat los en verbind ze aan de versterker. Gebruik de speakerdraden van dit apparaat niet. (Plak de aansluitklemmen van deze speakerdraden met isolatieband af zoals hierboven is afgebeeld.)**



- * Cut the rear speaker leads of the car's ISO connector and connect them to the amplifier.
- * Die Leitungen des ISO-Steckers der hinteren Lautsprecher durchtrennen und am Verstärker anschließen.
- * *Coupez les fils des enceintes arrière du connecteur ISO de la voiture et connectez-les à l'amplificateur.*
- * Knip de draden van de achterste luidspreker van de ISO-connector van de auto door en sluit deze draden aan op de versterker.

- *2 : 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 unit.
- *2 : Verbinden Sie den Erdungsleiter mit der Karosserie oder dem Rahmen des Fahrzeugs. Die Kontaktstelle darf nicht lackiert sein (sollte die Kontaktstelle lackiert sein, entfernen Sie den Lack der Kontaktstelle, bevor Sie den Leiter befestigen). Wenn der Erdungsleiter nicht ordnungsgemäß angeschlossen wird, kann dieses Gerät beschädigt werden.
- *2 : *Attachez solidement le fil de mise à la masse au châssis métallique de la voiture—à un endroit qui n'est pas recouvert de peinture (s'il est recouvert de peinture, enlevez d'abord la peinture avant d'attacher le fil). L'appareil peut être endommagé si cela n'est pas fait correctement.*
- *2 : Bevestig de aardendraad goed met een metalen onderdeel of het chassis van de auto—bevestig op een niet-gelakt gedeelte (indien gelakt, schuur dan af alvorens de draad te bevestigen). Het toestel kan worden beschadigd indien de aardendraad niet goed is aangesloten.

TROUBLESHOOTING

FEHLERSUCHE

EN CAS DE DIFFICULTES

PROBLEMEN OPLOSSEN

- **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?
- **Unit becomes hot.**
 - * Is the speaker output lead grounded?
 - * Are the “-” terminals of L and R speakers grounded in common?

- **Die Sicherung brennt durch.**
 - * Sind die roten und schwarzen Leitungen richtig angeschlossen?
- **Stromversorgung kann nicht eingeschaltet werden.**
 - * Ist die gelbe Leitung angeschlossen?
- **Kein Ton aus den Lautsprechern.**
 - * Ist die Lautsprecherausgangsleitung kurzgeschlossen?
- **Ton verzerrt.**
 - * Ist die Lautsprecherausgangsleitung geerdet?
 - * Sind die (-) Anschlußklemmen der linken und rechten Lautsprecher zusammen geerdet?
- **Gerät wird heiß.**
 - * Ist die Lautsprecherausgangsleitung geerdet?
 - * Sind die (-) Anschlußklemmen der linken und rechten Lautsprecher zusammen geerdet?

- **Le fusible saute.**
 - * Les fils rouge et noir sont-ils raccordés correctement?
- **L'appareil ne peut pas être mise sous tension.**
 - * Le fil jaune est-elle raccordée?
- **Pas de son des enceintes.**
 - * Le fil de sortie d'enceinte est-il court-circuité?
- **Le son est déformé.**
 - * Le fil de sortie d'enceinte est-il à la masse?
 - * Les bornes “-” des enceintes gauche et droit sont-elles mises ensemble à la masse?
- **L'appareil devient chaud.**
 - * Le fil de sortie d'enceinte est-il à la masse?
 - * Les bornes “-” des enceintes gauche et droit sont-elles mises ensemble à la masse?

- **De zekering slaat door.**
 - * Zijn de rode en de zwarte draden op de juiste manier aangesloten?
- **De stroom kan niet worden ingeschakeld.**
 - * Is de gele draad aangesloten?
- **Er komt geen geluid uit de speakers.**
 - * Is de uitgaande speakerdraad kortgesloten?
- **Het geluid wordt vervormd.**
 - * Is de uitgaande speakerdraad geaard?
 - * Zijn de “-” polen van de linker- en de rechterspeakers gemeenschappelijk geaard?
- **Het apparaat raakt verhit.**
 - * Is de uitgaande speakerdraad geaard?
 - * Zijn de “-” polen van de linker- en de rechterspeakers gemeenschappelijk geaard?