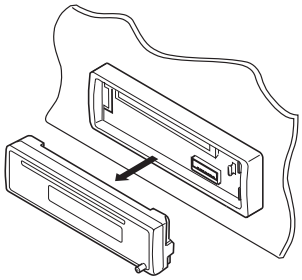
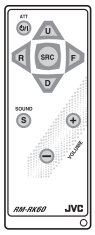
JVC

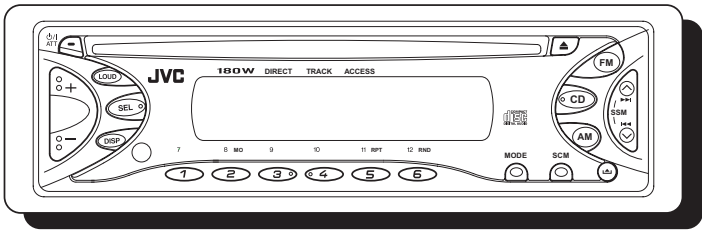
SERVICE MANUAL

CD RECEIVER

KD-S598,KD-S597







COMPACT disc DIGITAL AUDIO

Area Suffix
UR ---------- Brazil

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No.49860
2003/5

SECTION 1
Important Safety Precautions

1.1 Safety Precautions

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

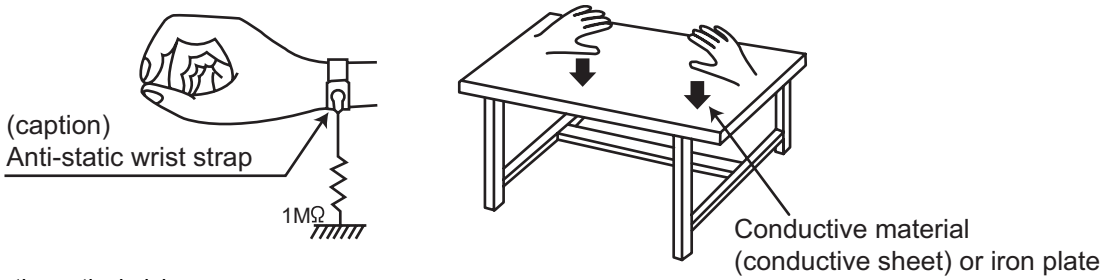
Electrostatic discharge (ESD), which occurs when static electricity stored in the body, fabric, etc. is discharged, can destroy the laser diode in the traverse unit (optical pickup). Take care to prevent this when performing repairs.

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 DVD 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.

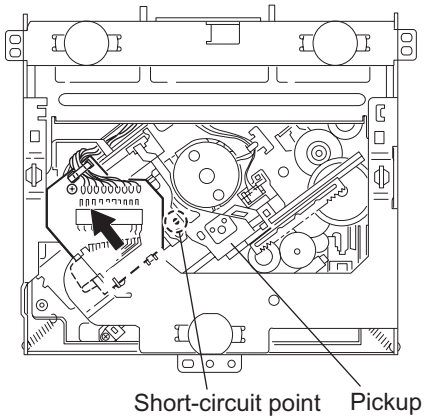
1.3 Handling the traverse unit (optical pickup)

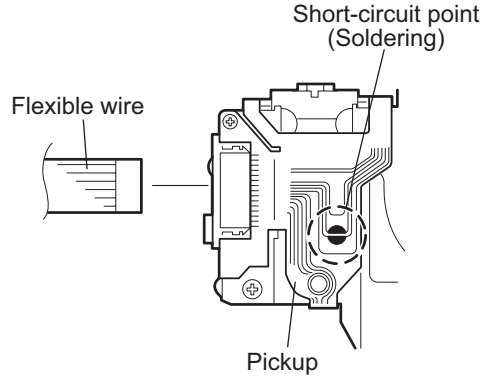
(1) Do not subject the traverse unit (optical pickup) to strong shocks, as it is a sensitive, complex unit.
(2) Cut off the shorted part of the flexible cable using nippers, etc. after replacing the optical pickup. For specific details, refer to the replacement procedure in the text. Remove the anti-static 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) I t 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 CDpickup 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
Disassembly method

2.1 Main body

2.1.1 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 in the direction of the arrow.

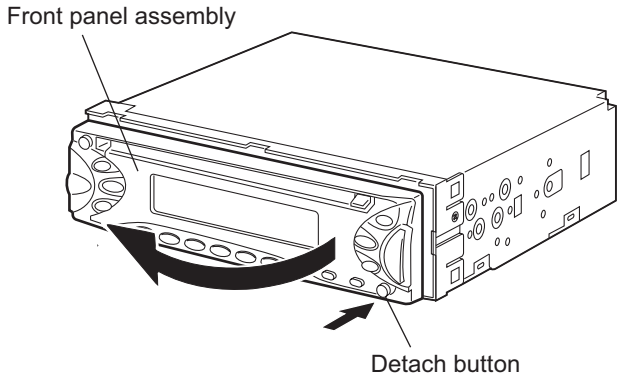


Fig.1

2.1.2 Removing the front chassis assembly (See Figs.2 and 3)

- Prior to performing the following procedure, remove the front panel assembly.

(1) Remove the two screws **A** on the both sides of the main body.

(2) Release the two joints **a** and two joints **b** on both sides of the main body using a screwdriver, and remove the front chassis assembly forward.

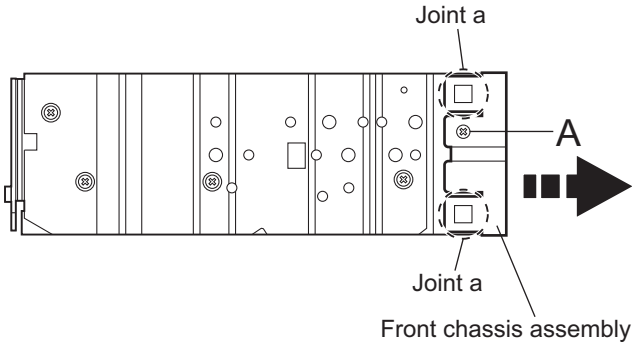


Fig.2

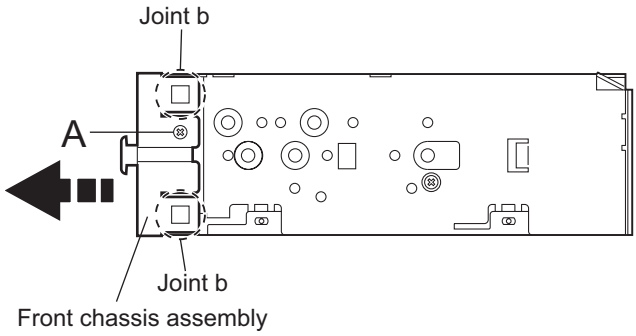


Fig.3

2.1.3 Removing the heat sink (See Fig.4)

(1) Remove the two screws **B** and two screws **C** on the left side of the main body.

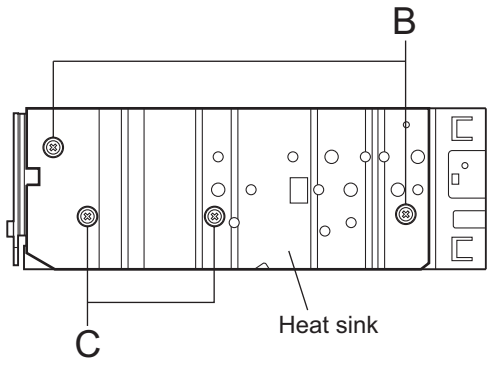


Fig.4

2.1.4 Removing the bottom cover (See Figs.5 and 6)

• Prior to performing the following procedure, remove the front panel assembly, front chassis assembly and heat sink.

(1) Turn over the body and release the two joints **c**, two joints **d** and joint **e**.

CAUTION:

Do not damage the main board when releasing the joint **e** using a screwdriver. (See Figs.5 and 6.)

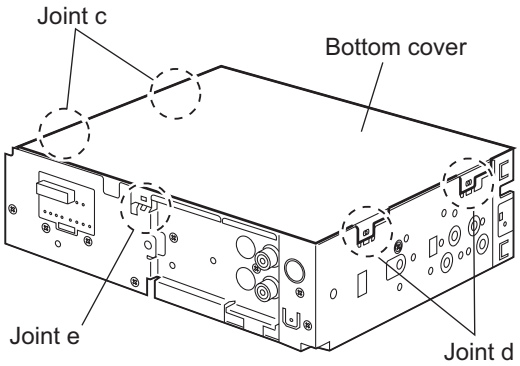


Fig.5

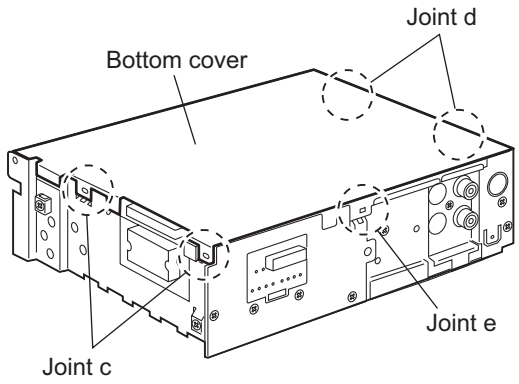


Fig.6

2.1.5 Removing the rear bracket (See Fig.7)

• Prior to performing the following procedure, remove the front panel assembly, front chassis assembly, heat sink and bottom cover.

(1) Remove the three screws **D**, three screws **E** and two screws **F** on the back of the body.

(2) Remove the rear bracket.

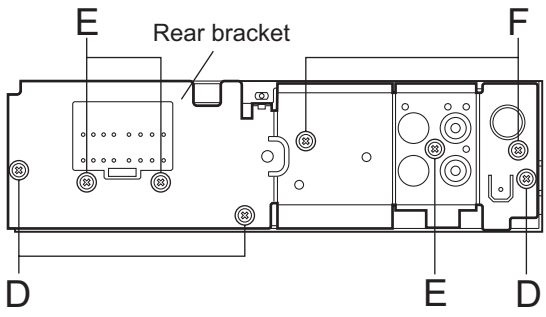


Fig.7

2.1.6 Removing the main board (See Fig.8)

- Prior to performing the following procedure, remove the front panel assembly, front chassis assembly, heat sink, 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.

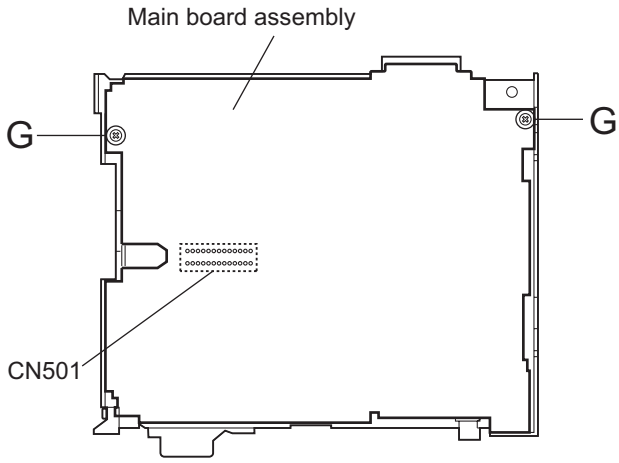


Fig.8

2.1.7 Removing the CD mechanism assembly (See Fig.9)

- Prior to performing the following procedure, remove the front panel assembly, front chassis assembly, heat sink, bottom cover, rear bracket and main board.
  (1) Remove the three screws **H**.

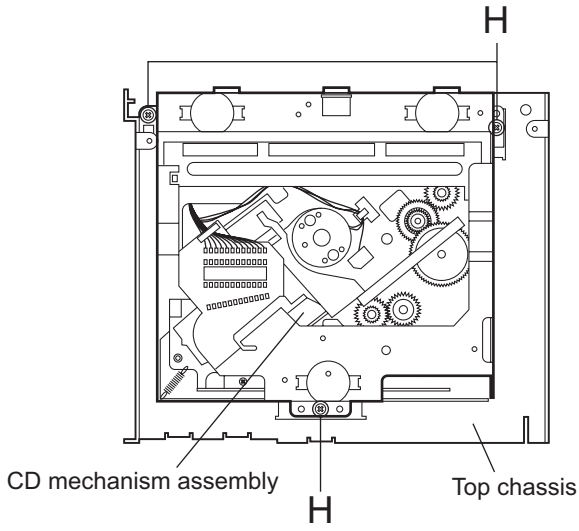


Fig.9

2.1.8 Removing the front board (See Figs.10 to 12)

- 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.
  (2) Release the eleven joints **f**.
  (3) Take out the front board.

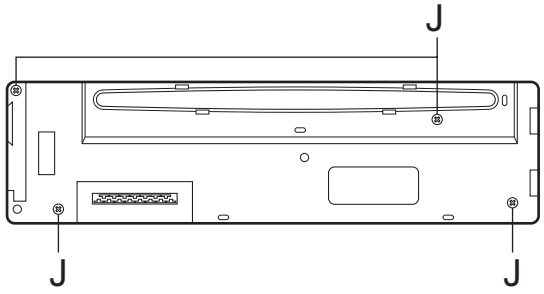


Fig.10

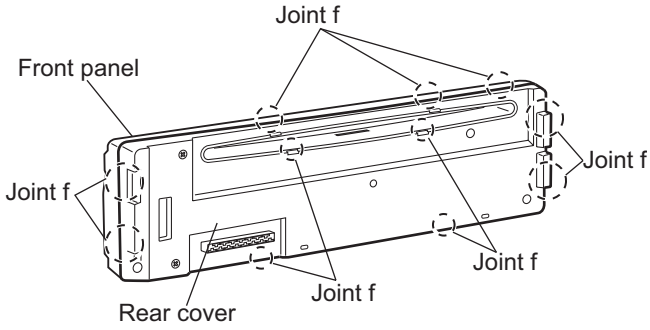


Fig.11

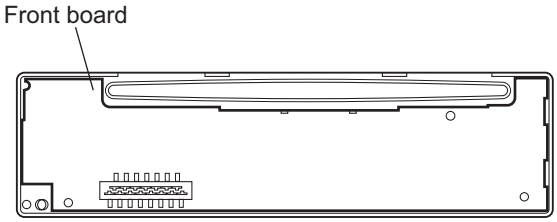


Fig.12

2.2 CD Mechanism Assembly

2.2.1 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**.

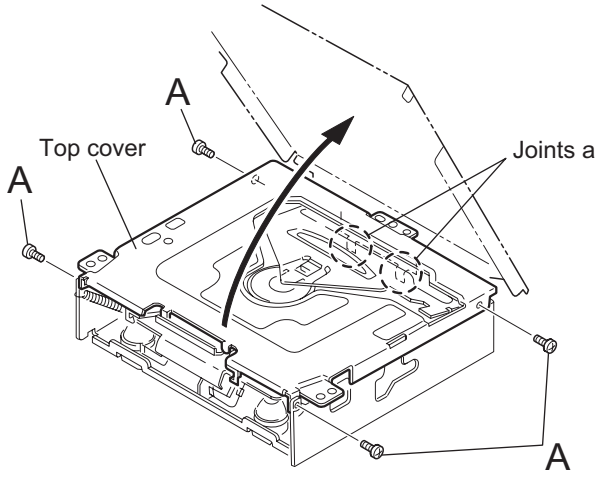


Fig.1

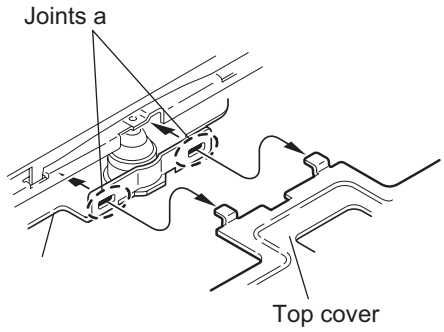


Fig.2

2.2.2 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.

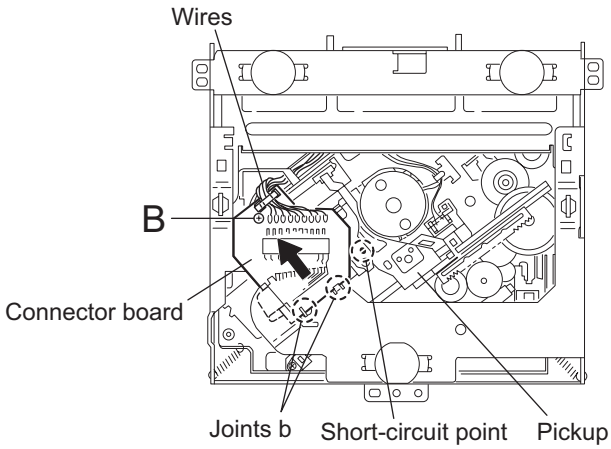


Fig.3

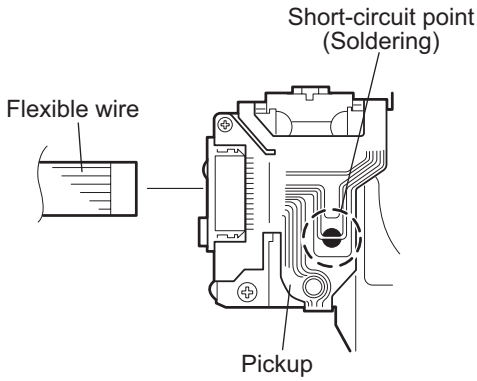


Fig.4

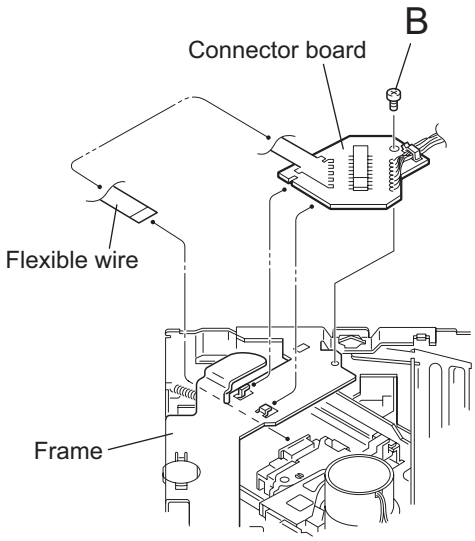


Fig.5

2.2.3 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.

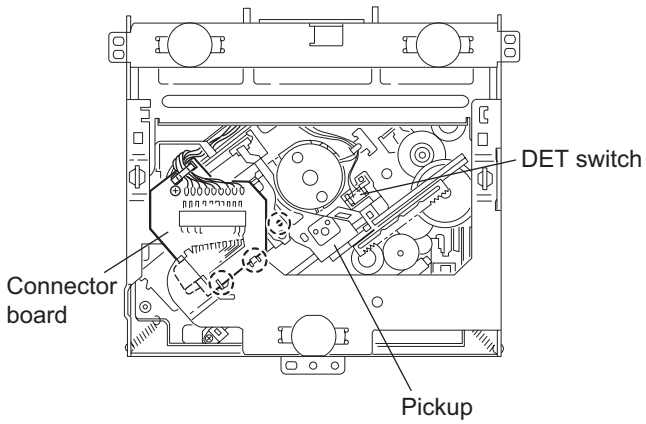


Fig.6

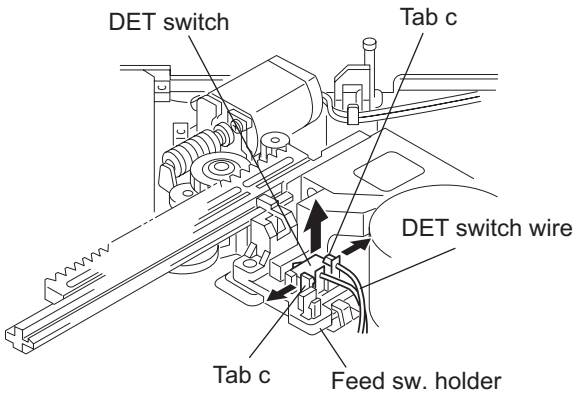


Fig.7

2.2.4 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.

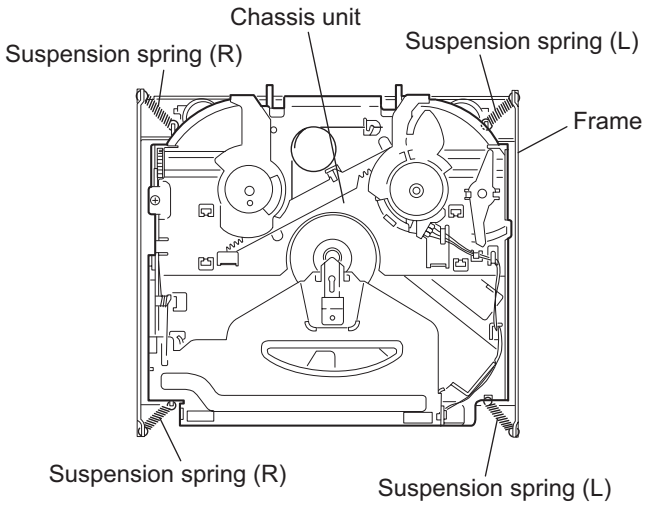


Fig.8

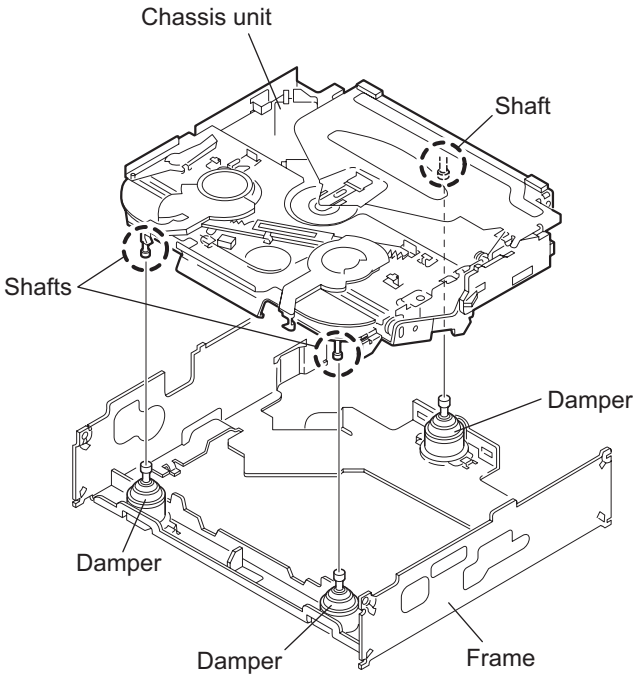


Fig.9

2.2.5 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**.

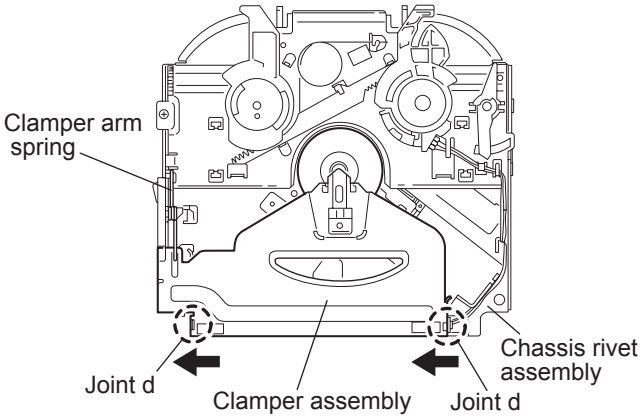


Fig.10

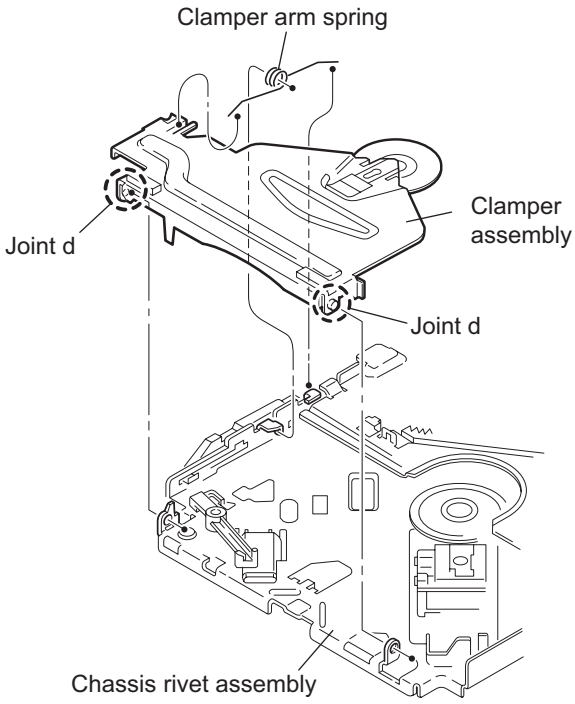


Fig.11

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

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

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

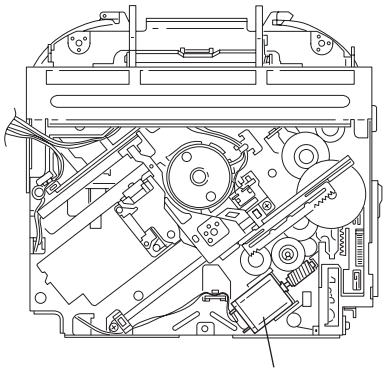


Fig.12

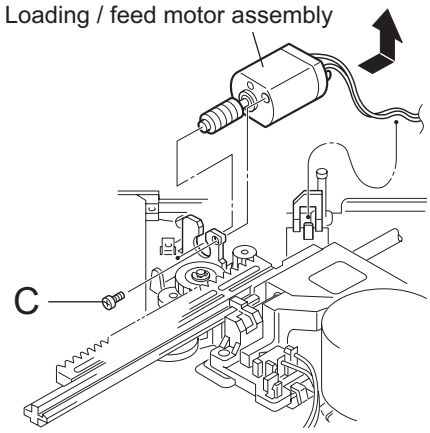


Fig.13

2.2.7 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.

2.2.8 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**.

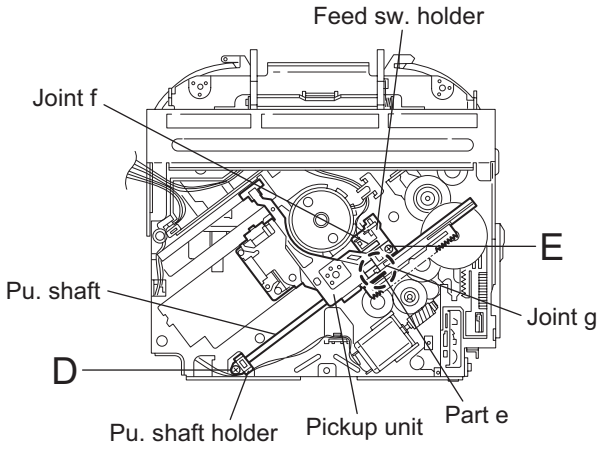


Fig.14

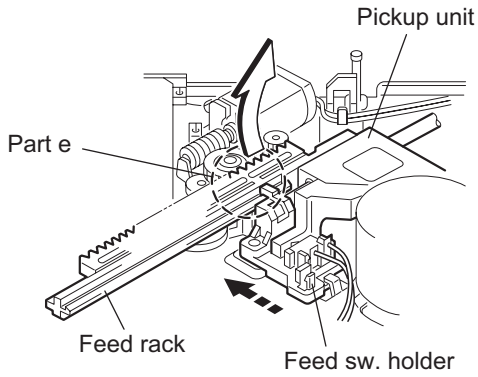


Fig.15

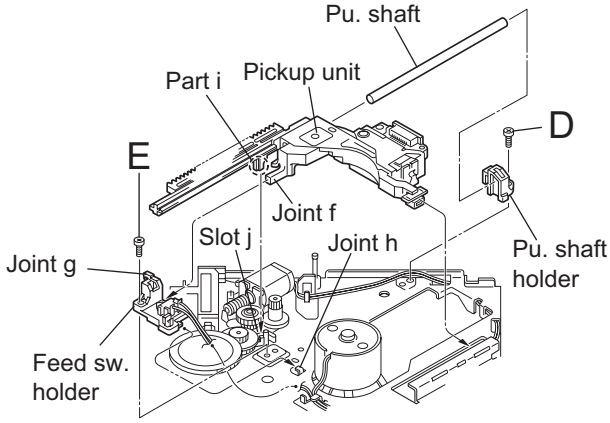


Fig.16

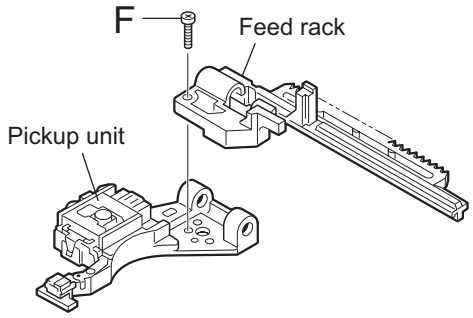


Fig.17

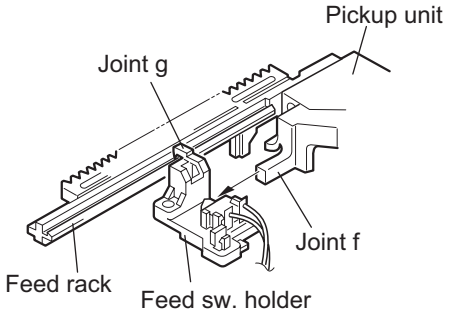


Fig.18

2.2.9 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.

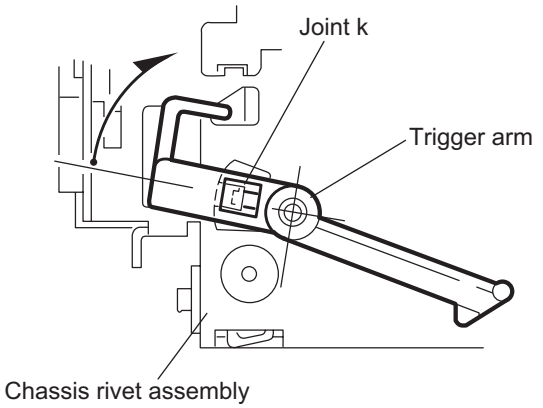


Fig.19

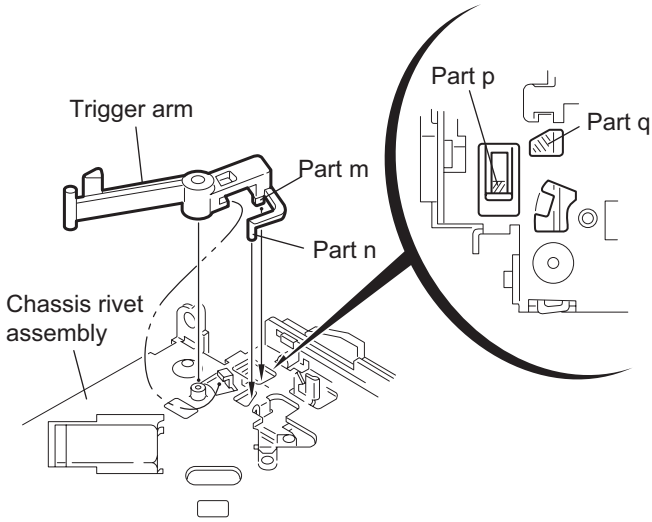


Fig.20

2.2.10 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.

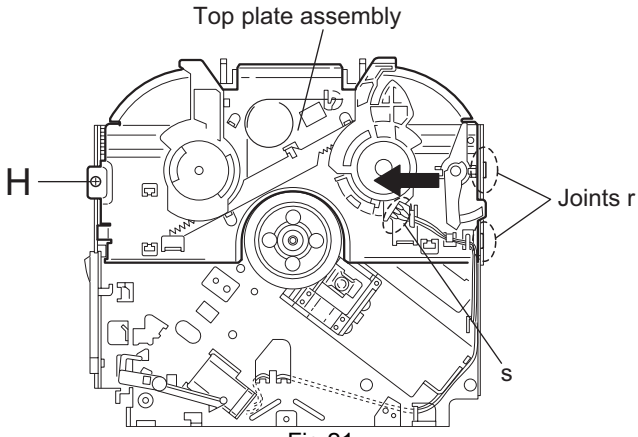


Fig.21

2.2.11 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.

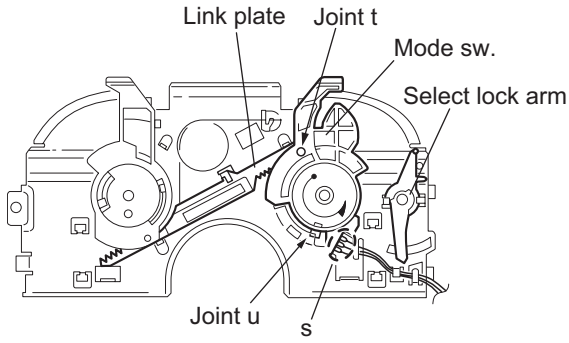


Fig.22

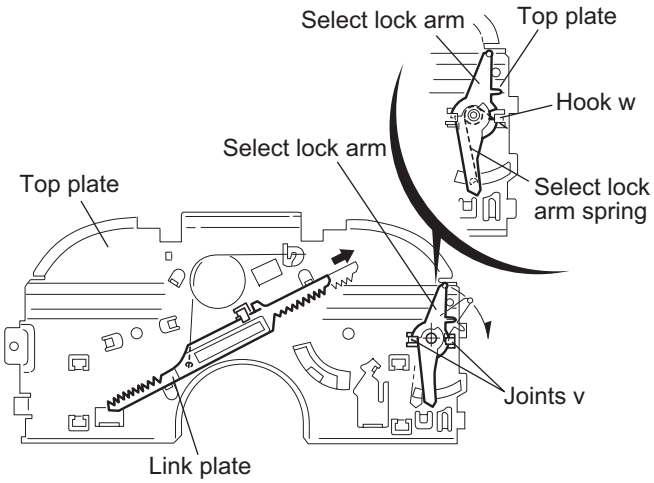


Fig.23

2.2.12 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.

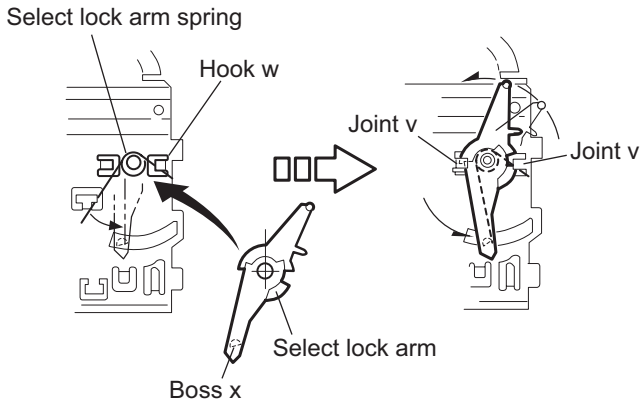


Fig.24

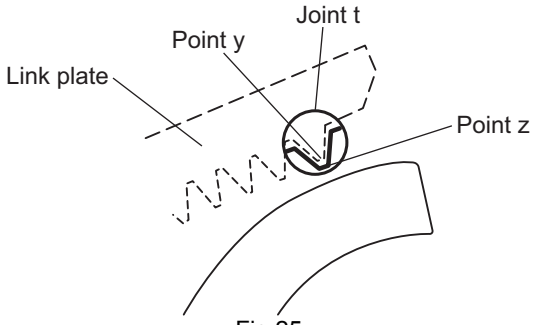


Fig.25

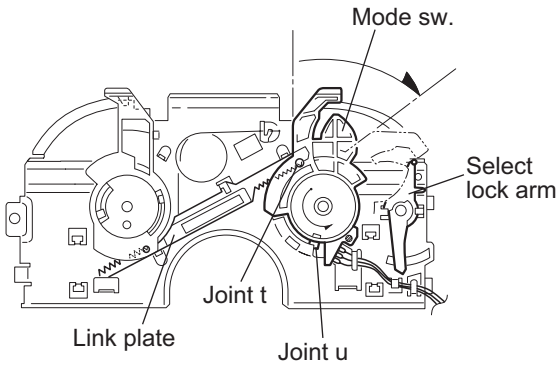


Fig.26

2.2.13 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.

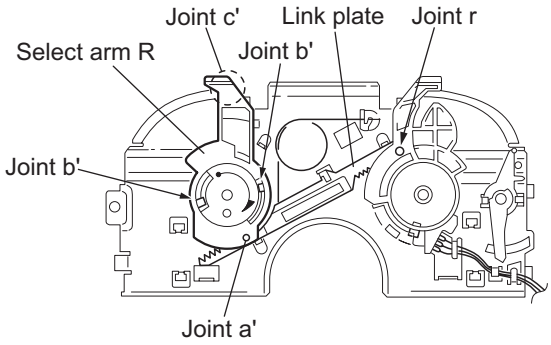


Fig.27

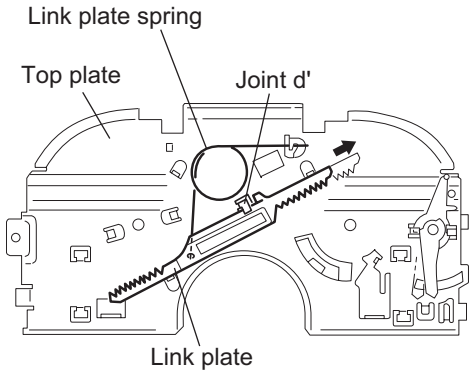


Fig.28

2.2.14 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.

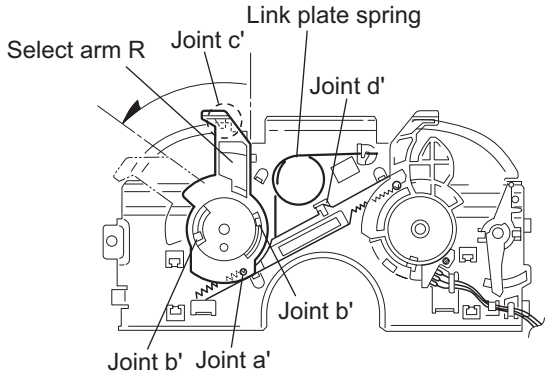


Fig.29

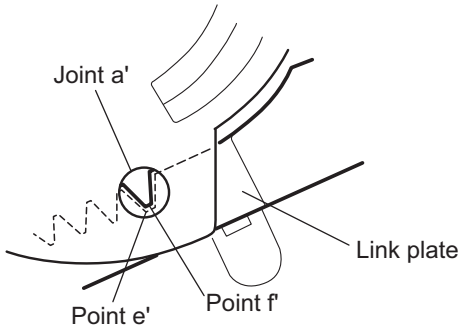


Fig.30

2.2.15 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.)

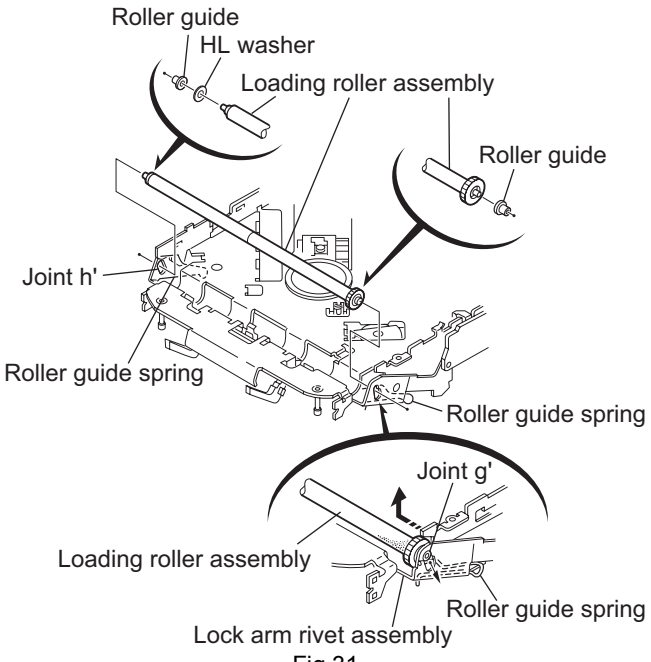


Fig.31

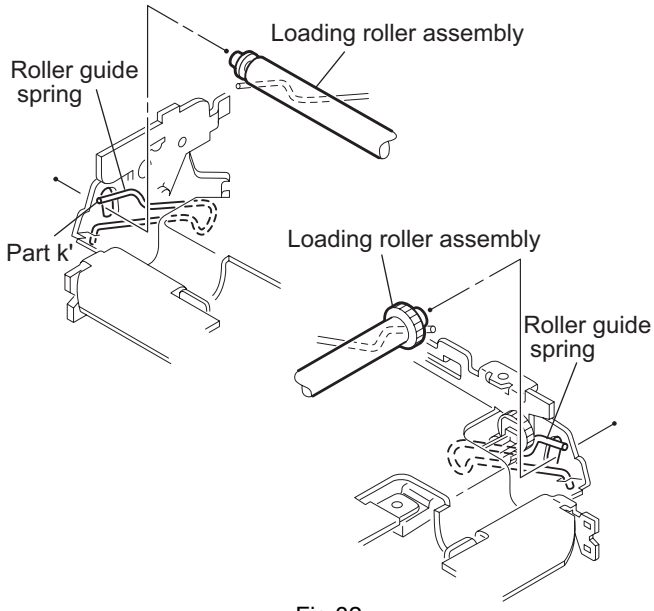


Fig.32

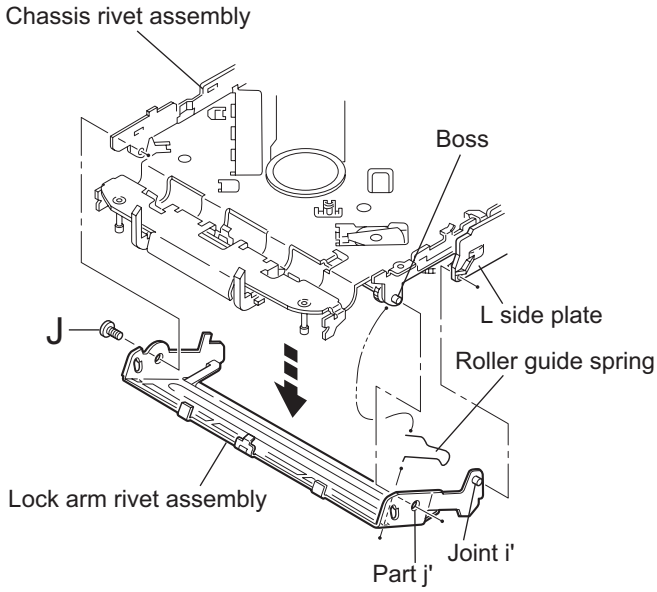


Fig.33

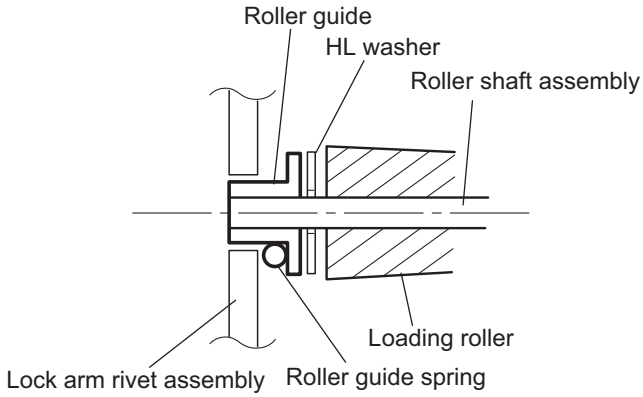


Fig.34

2.2.16 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.

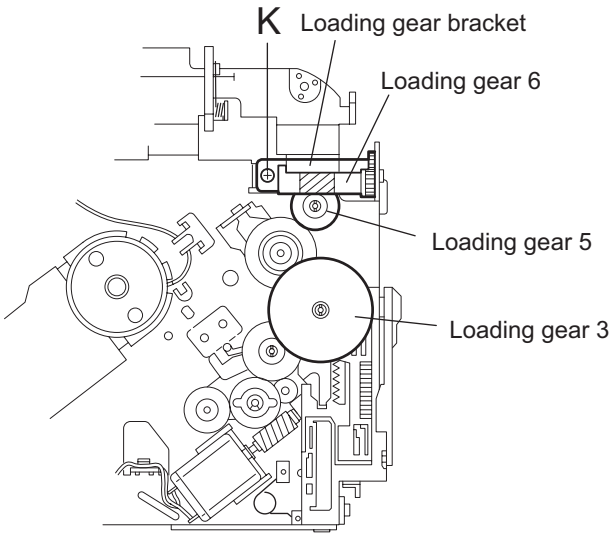


Fig.35

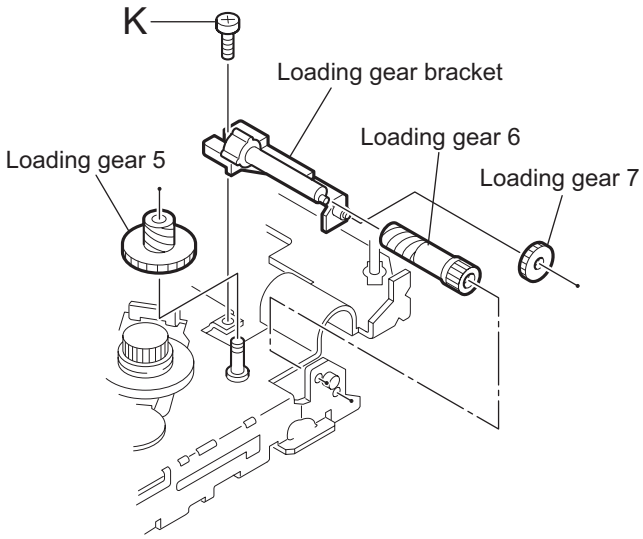


Fig.36

2.2.17 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.

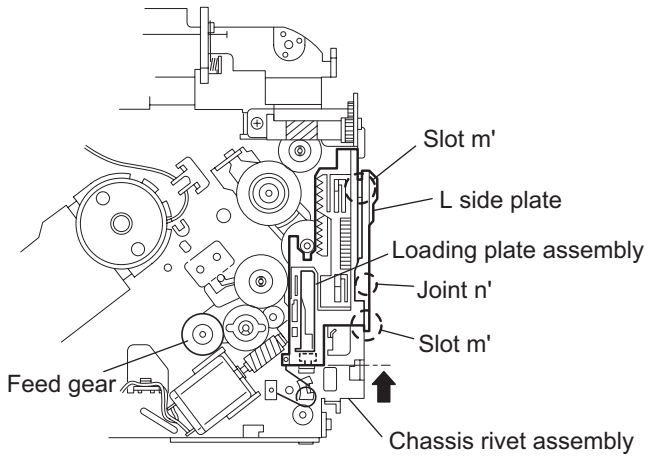


Fig.37

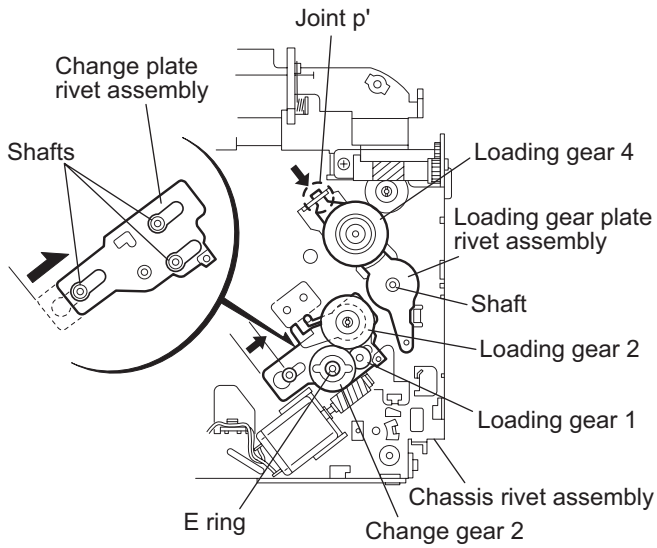


Fig.38

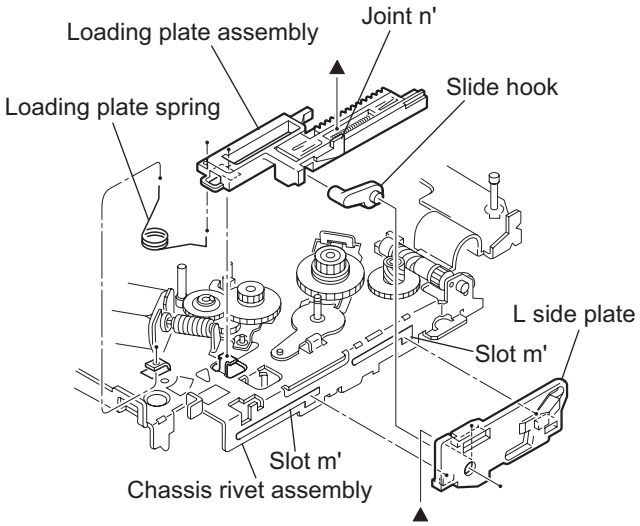


Fig.39

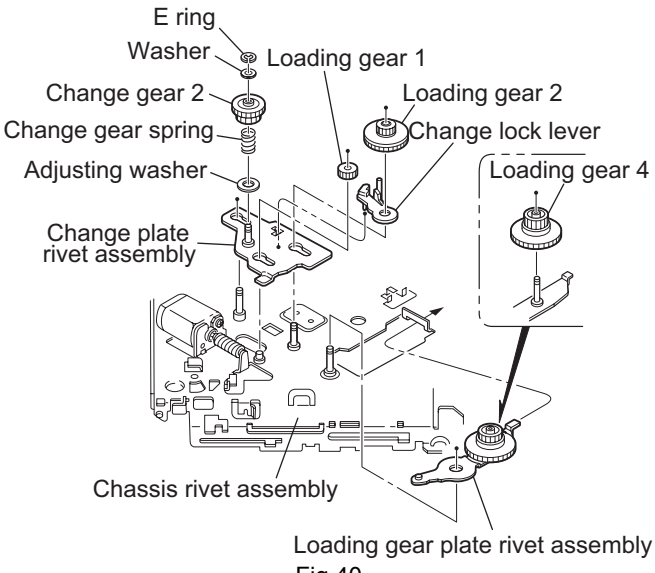


Fig.40

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

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

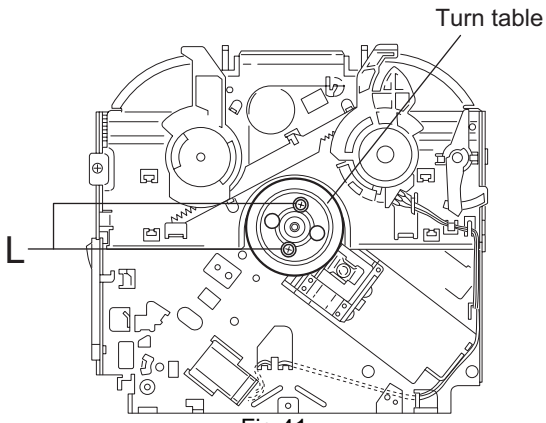


Fig.41

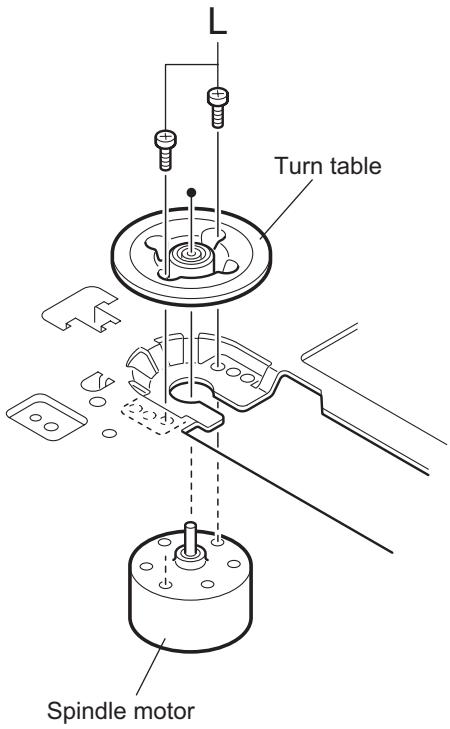


Fig.42

SECTION 3
Adjustment

3.1 Adjustment method

■ Test instruments required for adjustment
1. Digital oscilloscope (100MHz)
2. AM Standard signal generator
3. FM Standard signal generator
4. Stereo modulator
5. Electric voltmeter
6. Digital tester
7. Tracking offset meter
8. Test Disc JVC : CTS-1000
9. Extension cable for check
   EXTSH002-22P × 1

■ Standard volume position
Balance and Bass & Treble volume : Indication"0"
Loudness : OFF
BBE : OFF
Frequency Band

■ FM 87.5MHz ~ 107.9MHz
AM 530kHz ~ 1710 kHz

■ 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.

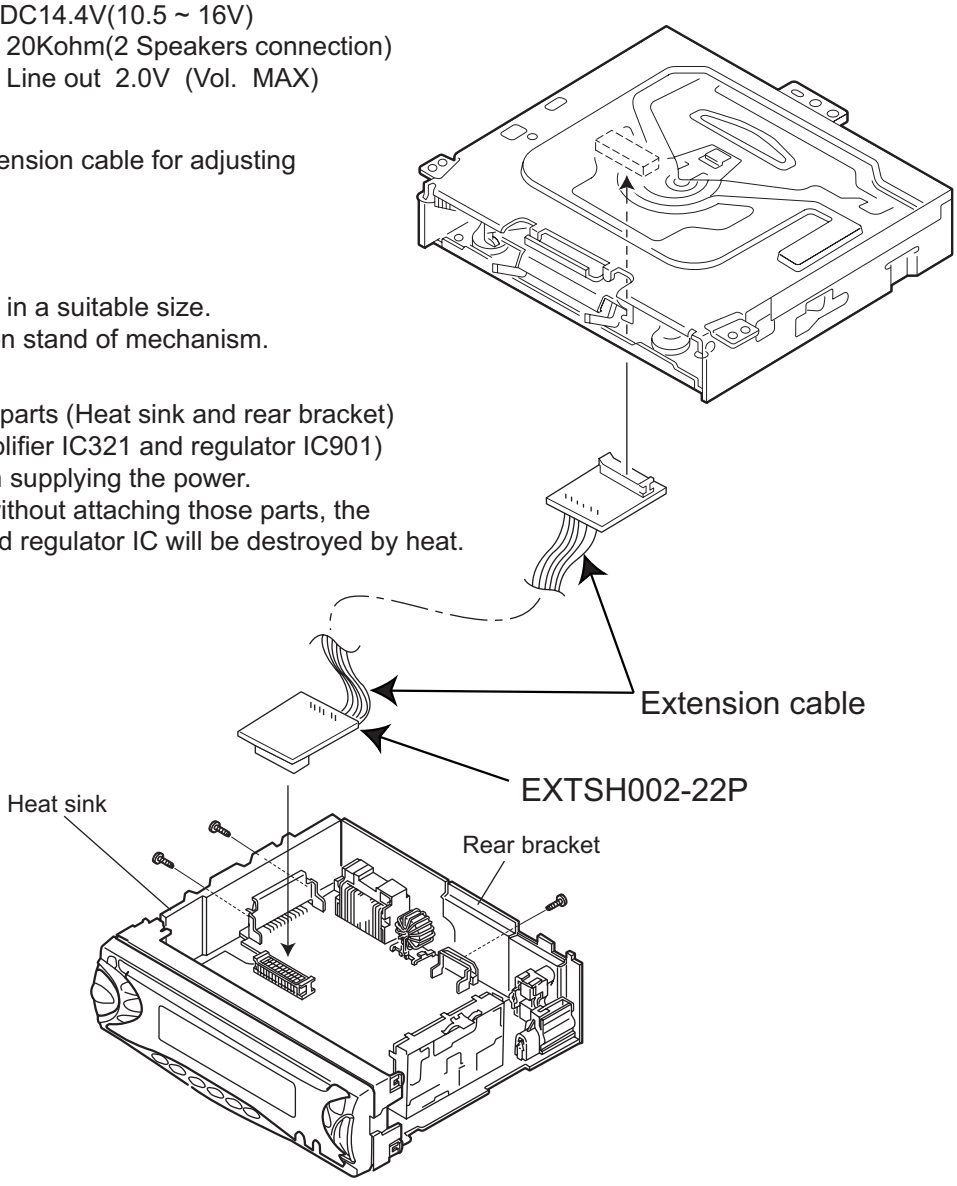
■ Standard measuring conditions

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

■ How to connect the extension cable for adjusting

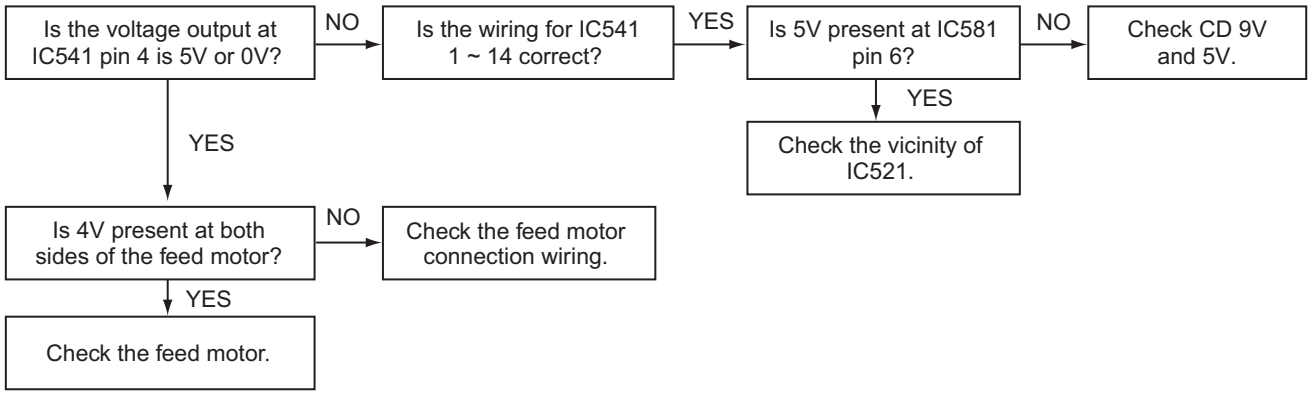
*The cardboard is cut in a suitable size.
uses for the insulation stand of mechanism.

CAUTION :
Be sure to attach the parts (Heat sink and rear bracket) on the IC (Power amplifier IC321 and regulator IC901) of a main board when supplying the power.
If voltage is applied without attaching those parts, the power amplifier IC and regulator IC will be destroyed by heat.

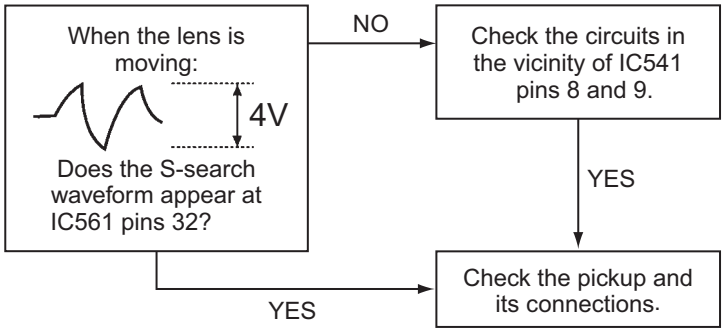


3.2 Troubleshooting

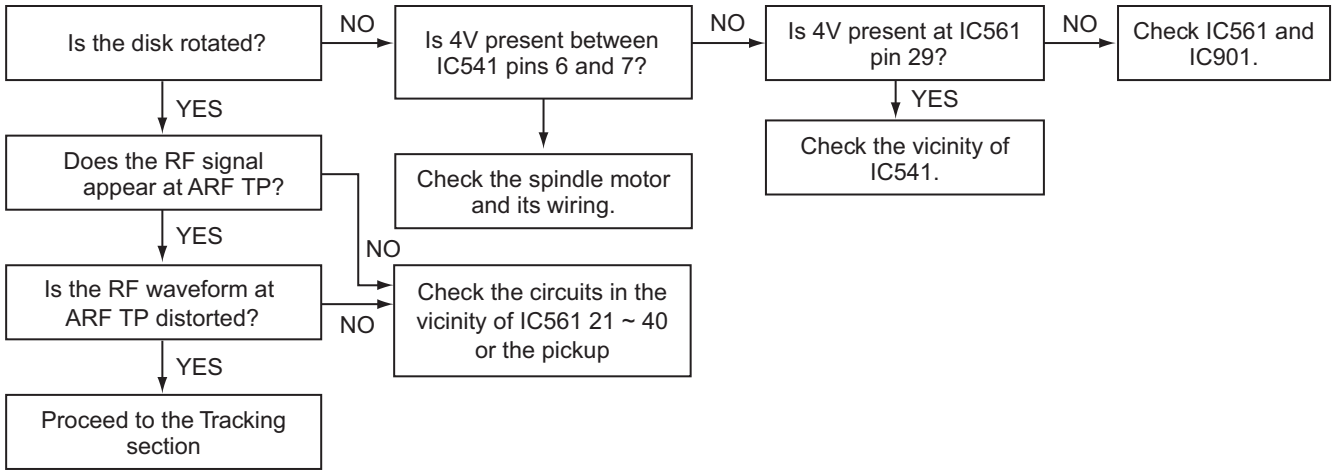
3.2.1 Feed section



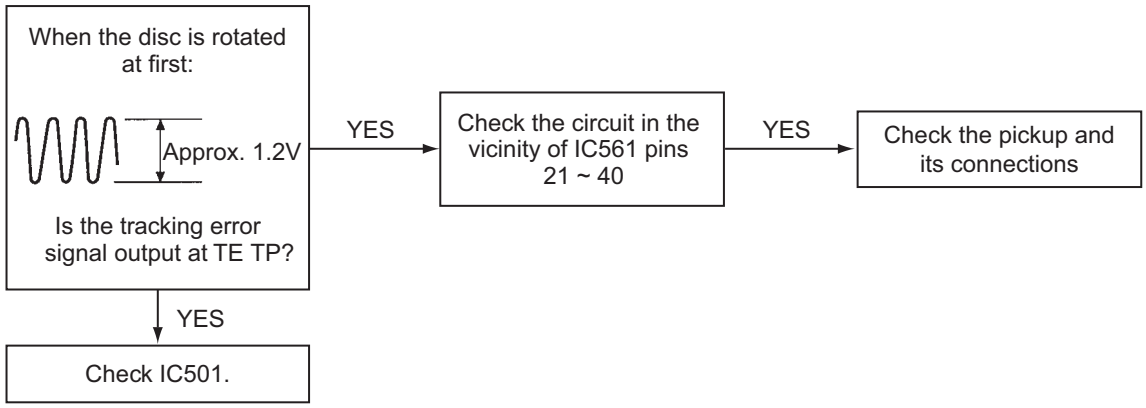
3.2.2 Focus section



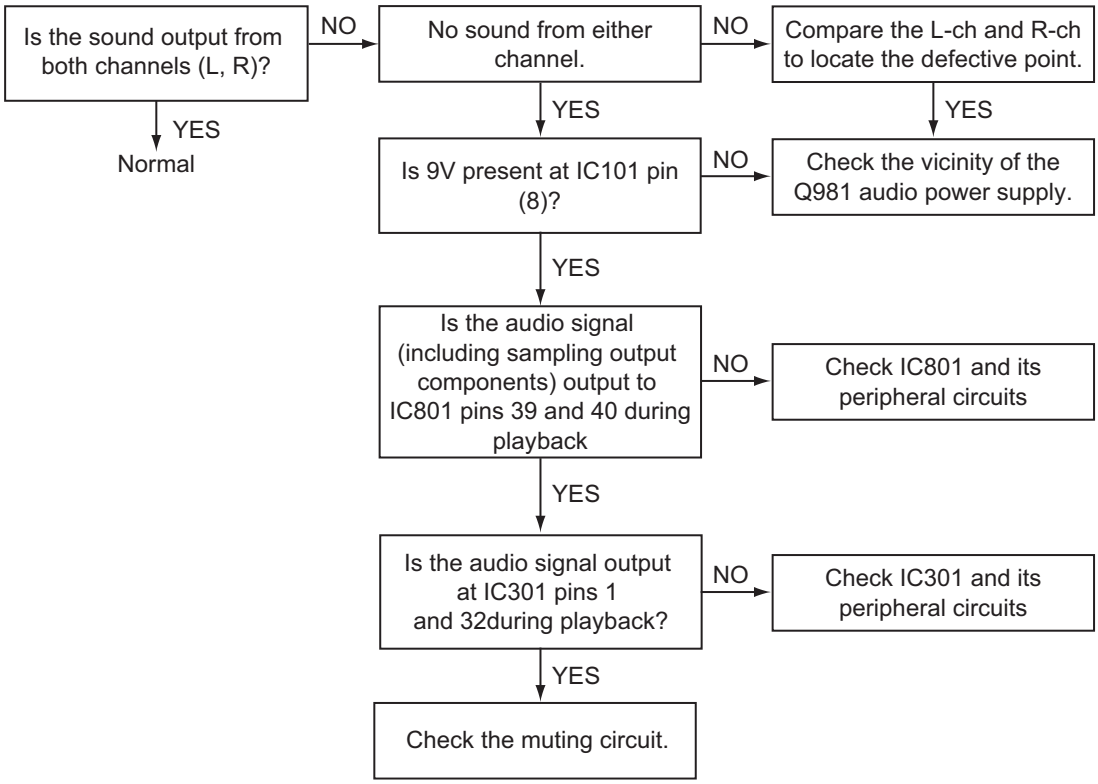
3.2.3 Spindle section



3.2.4 Tracking section



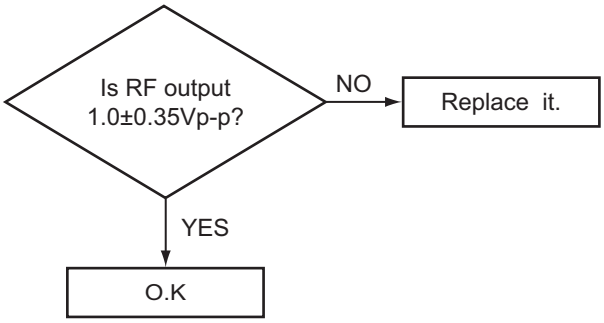
3.2.5 Signal processing section



3.3 Maintenance of laser pickup

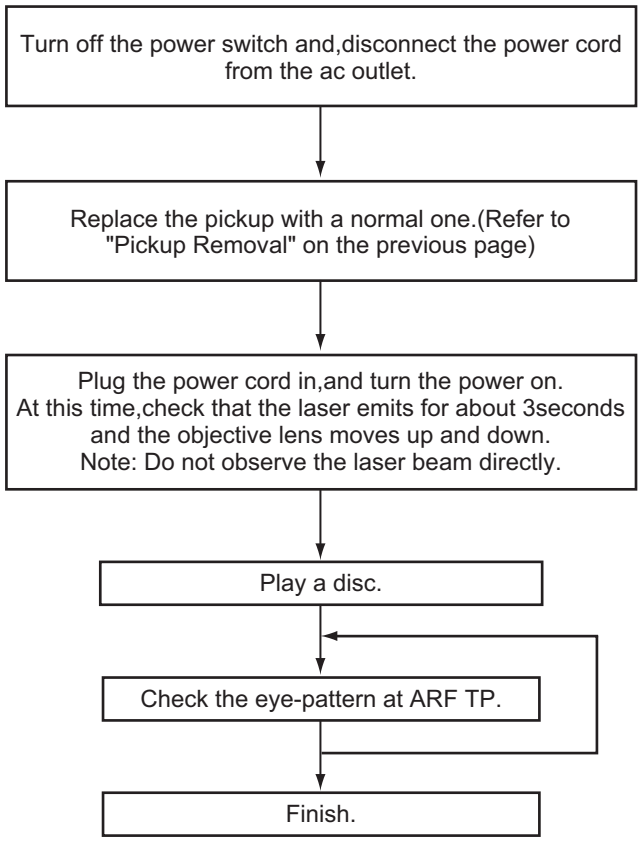
(1) Cleaning the pick up lens
Before you replace the pick up, please try to clean the lens with a alcohol soaked cotton swab.

(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:ampli tude 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.

3.4 Replacement of laser pickup

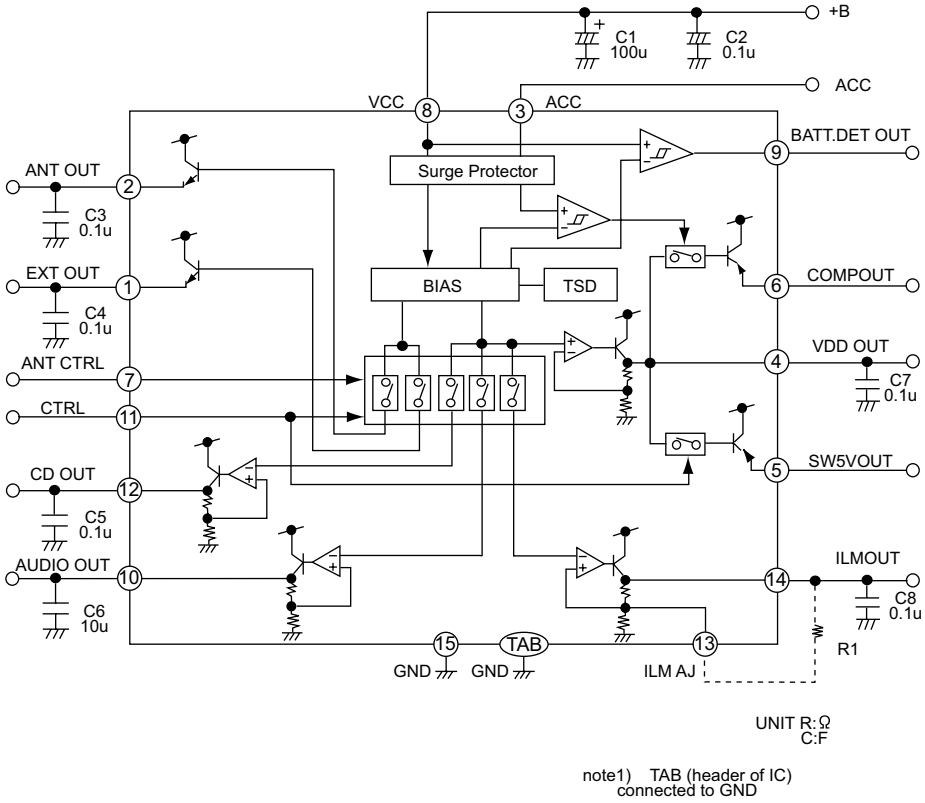


SECTION 4
Description of major ICs

4.1 HA13164A (IC901) : Regulator

• Pin layout

• Block diagram



• Pin function

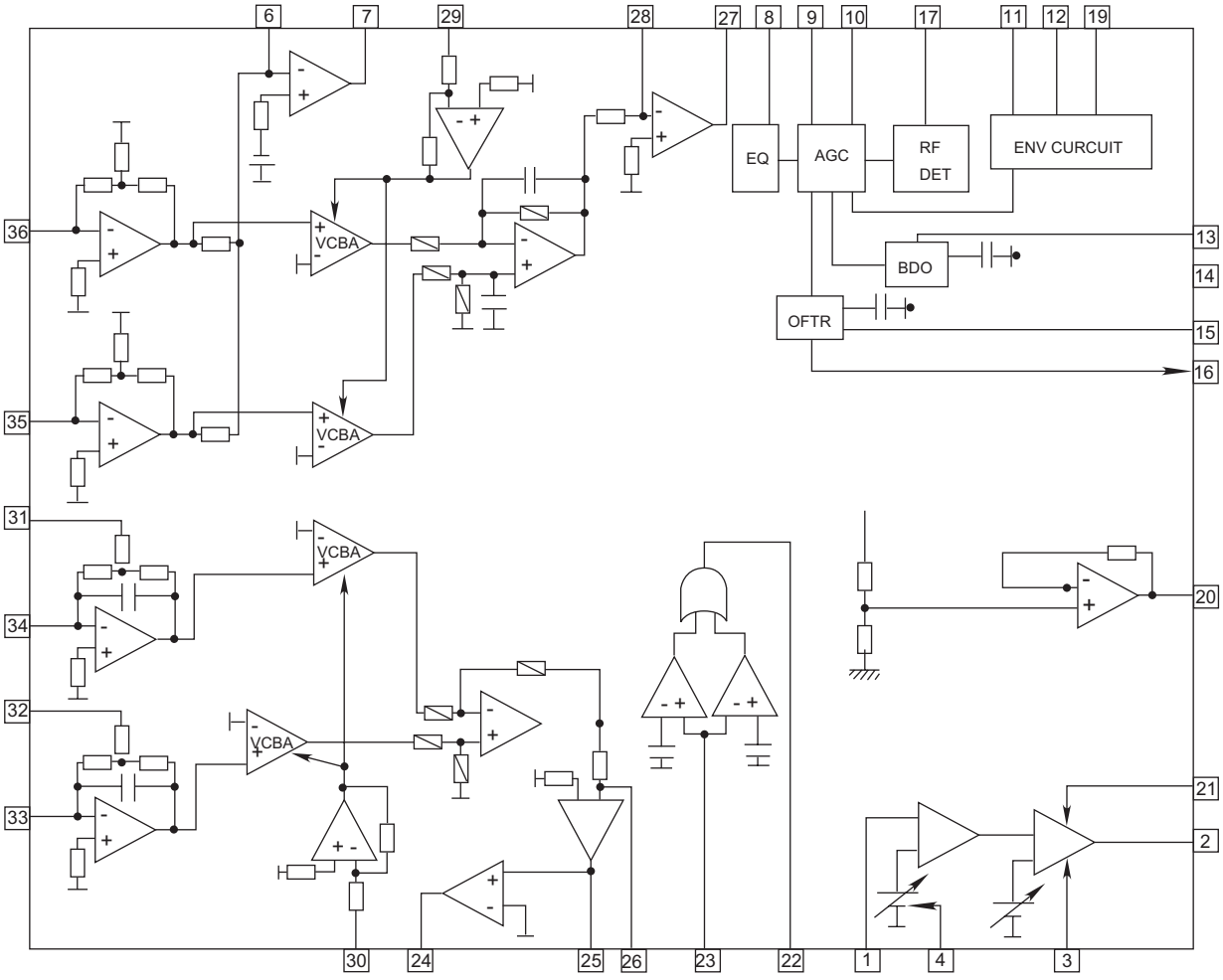
Pin No.	Symbol	Function
1	EXTOUT	Output voltage is VCC-1 V when M or H level applied to CTRL pin.
2	ANTOUT	Output voltage is VCC-1 V when M or H level to CTRL pin and H level to ANT-CTRL.
3	ACCIN	Connected to ACC.
4	VDDOUT	Regular 5.7V.
5	SW5VOUT	Output voltage is 5V when M or H level applied to CTRL pin.
6	COMPOUT	Output for ACC detector.
7	ANT CTRL	L:ANT output OFF H:ANT output ON
8	VCC	Connected to VCC.
9	BATT DET	Low battery detect.
10	AUDIO OUT	Output voltage is 9V when M or H level applied to CTRL pin.
11	CTRL	L: BIAS OFF M: BIAS ON H: CD ON
12	CD OUT	Output voltage is 8V when H level applied to CTRL pin.
13	ILM AJ	Adjustment pin for ILM output voltage.
14	ILM OUT	Output voltage is 10V when M or H level applied to CTRL pin.
15	GND	Connected to GND.

4.2 AN8806SB-W (IC501) : RF & amp.

- Pin layout

PD	1	36 PDAC
LD	2	35 PDBD
LDON	3	34 PDF
LDP	4	33 PDE
VCC	5	32 PDER
RF-	6	31 PDFR
RF OUT	7	30 TBAL
RF IN	8	29 FBAL
C.AGC	9	28 EF-
ARF	10	27 EF OUT
C.ENV	11	26 TE-
C.EA	12	25 TE OUT
CS BDO	13	24 CROSS
BDO	14	23 TE BPF
CS BRT	15	22 VDET
OFTR	16	21 LD OFF
/NRFDET	17	20 VREF
GND	18	19 ENV

- Block diagram

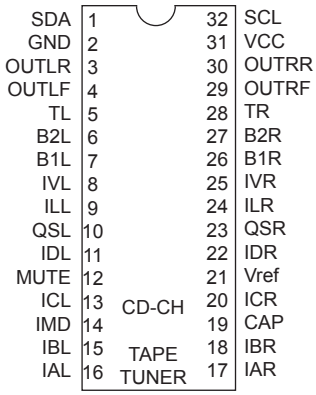


• Pin function

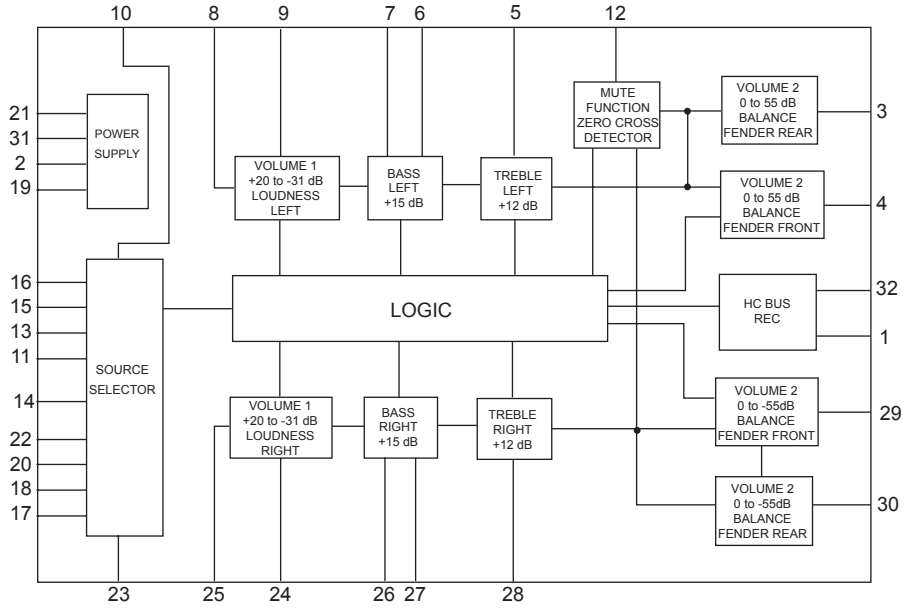
Pin No.	Symbol	I/O	Function
1	PD	I	APC amp input terminal
2	LD	O	APC amp output terminal
3	LD ON	I	APC ON/OFF control terminal
4	LDP	-	Connect to ground
5	VCC	-	Power supply
6	RF-	I	Inverse input pin for RF amp
7	RF OUT	O	RFamp output
8	RF IN	I	RF input
9	C.AGC	I/O	Connecting pin of AGC loop filter
10	ARF	O	RF output
11	C.ENV	I/O	A capacitor is connected to this terminal to detect the envelope of RF signal
12	C.EA	I/O	A capacitor is connected to this terminal to detect the envelope of RF signal
13	CS BDO	I/O	A capacitor is connected to detect the lower envelope of RF signal
14	BDO	O	BDO output pin
15	CS BRT	I/O	A capacitor is connected to detect the lower envelope of RF signal
16	OFTR	O	Of-track status signal output
17	/NRFDET	O	RF detection signal output
18	GND	-	Ground
19	ENV	O	Envelope output
20	VREF	O	Reference voltage output
21	LD OFF	-	Connect to ground
22	VDET	O	Vibration detection signal output
23	TE BPF	I	Input pin of tracking error through BPF
24	CROSS	O	Tracking error cross output
25	TE OUT	O	Tracking error signal output
26	TE-	I	Inverse input pin for tracking error amp
27	FE OUT	O	Output pin of focus error
28	FE-	I	Inverse input pin for focus error amp
29	FBAL	I	Focus balance control
30	TBAL	I	Tracking balance control
31	PDFR	I/O	F I-V amp gain control
32	PDER	I/O	E I-V amp gain control
33	PDF	I	I-V amp input
34	PDE	I	I-V amp input
35	PD BD	I	I-V amp input
36	PD AC	I	I-V amp input

4.3 TEA6320T-X (IC301) : E.volume

• Pin layout



• Block diagram



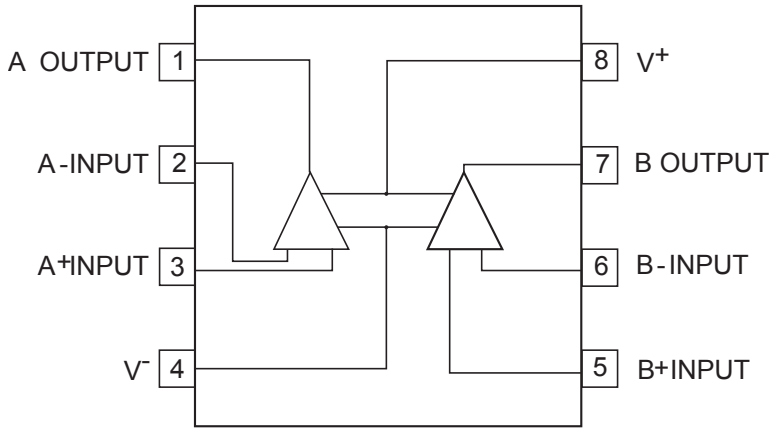
• Pin functions

Pin No.	Symbol	I/O	Functions
1	SDA	I/O	Serial data input/output.
2	GND	-	Ground.
3	OUTLR	O	output left rear.
4	OUTLF	O	output left front.
5	TL	I	Treble control capacitor left channel or input from an external equalizer.
6	B2L	-	Bass control capacitor left channel or output to an external equalizer.
7	B1L	-	Bass control capacitor left channel.
8	IVL	I	Input volume 1. left control part.
9	ILL	I	Input loudness. left control part.
10	QSL	O	Output source selector. left channel.
11	IDL	-	Not used
12	MUTE	-	Not used
13	ICL	I	Input C left source.
14	IMO	-	Not used
15	IBL	I	Input B left source.
16	IAL	I	Input A left source.
17	IAR	I	Input A right source.
18	IBR	I	Input B right source.

Pin No.	Symbol	I/O	Functions
19	CAP	-	Electronic filtering for supply.
20	ICR	I	Input C right source.
21	Vref	-	Reference voltage (0.5Vcc)
22	IDR	-	Not used
23	QSR	O	Output source selector right channel.
24	ILR	I	Input loudness right channel.
25	IVR	I	Input volume 1. right control part.
26	B1R	-	Bass control capacitor right channel
27	B2R	O	Bass control capacitor right channel or output to an external equalizer.
28	TR	I	Treble control capacitor right channel or input from an external equalizer.
29	OUTRF	O	Output right front.
30	OUTRR	O	Output right rear.
31	Vcc	-	Supply voltage.
32	SCL	I	Serial clock input.

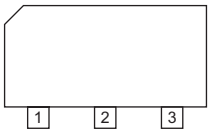
4.4 NJM4565M-WE (IC151) : CD L.P.F.

• Pin layout & Block diagram

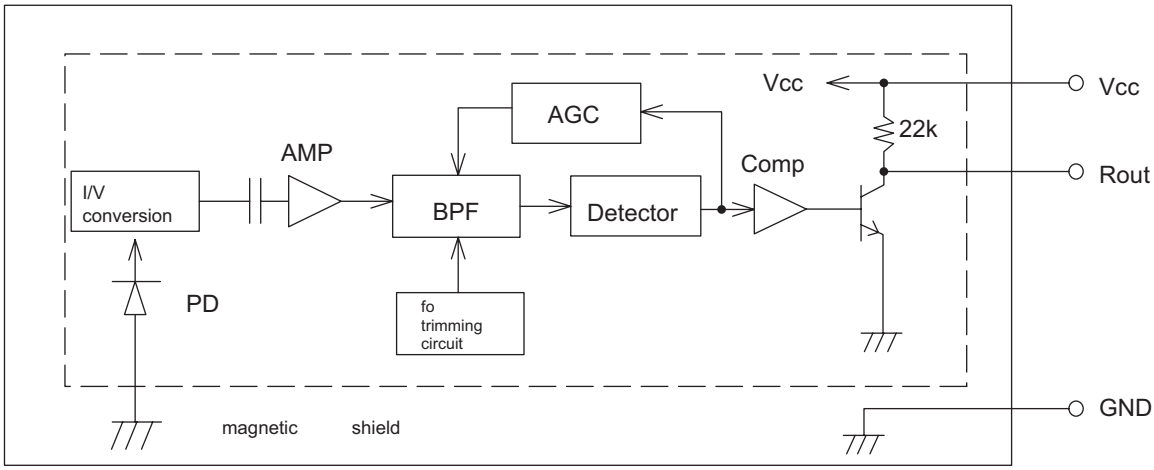


4.5 RPM6938-SV4 (IC602) : Remote sensor

• Pin diagram

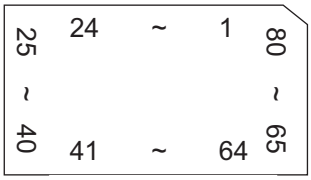


• Block diagram



4.6 JES01-9B42 (IC801) : Main micon

• Pin layout



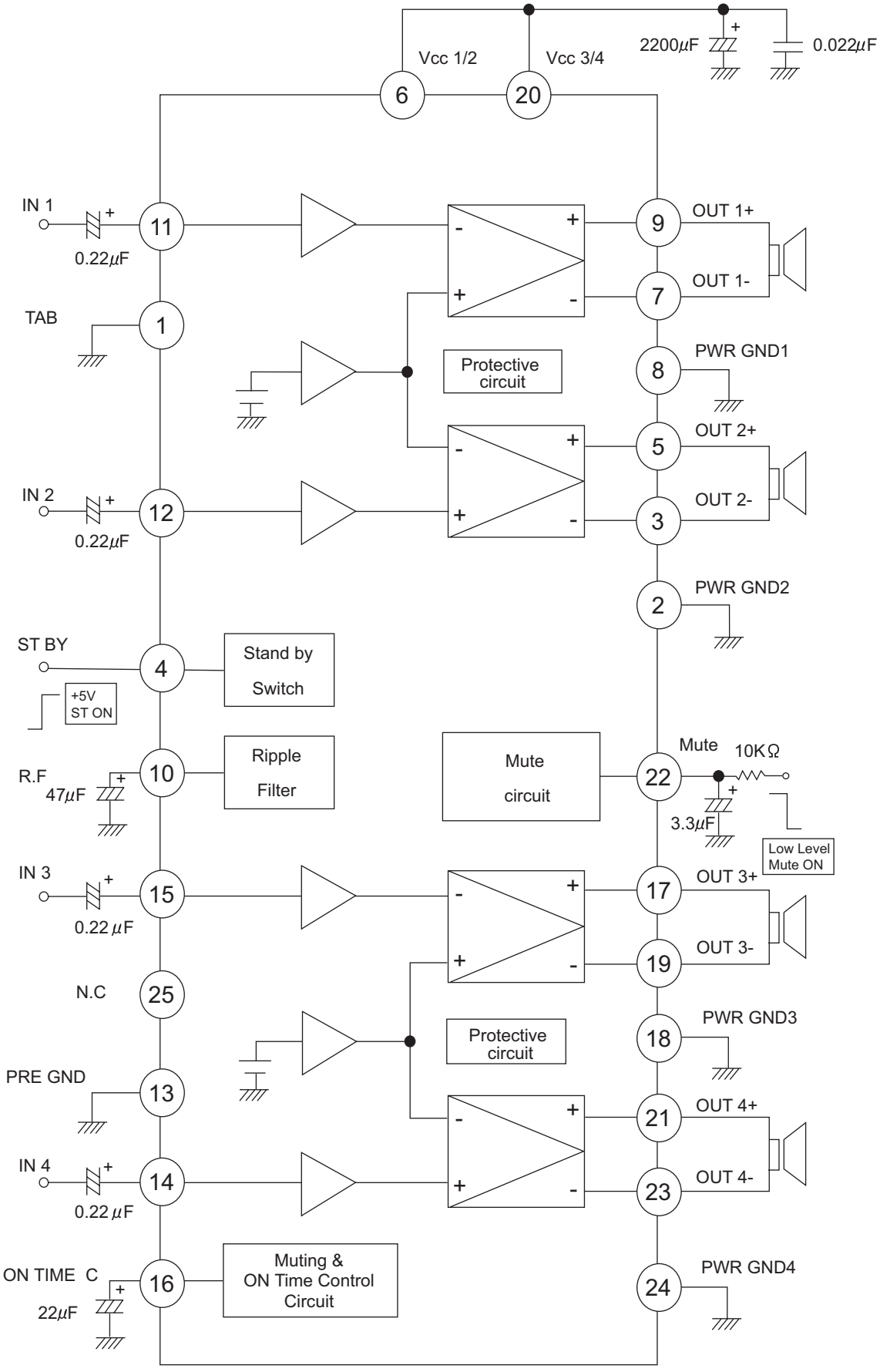
• Pin function

Pin No.	Symbol	Function
1	XIN	X'tal oscillator conection terminal
2	TEST2	GND
3	J BUS SI	Non connect
4	J BUS SO	Non connect
5	J BUS SCK	Non connect
6	J BUS I/O CONT	Non connect
7	SUBQ	CD LSI subQ code data input terminal
8	NC	Non connect
9	SQCK	CD LSI sub code clock terminal
10	RESET	Main micon reset terminal
11	LCD SI	Non connect
12	LCD SO	LCD serial data output
13	LCD SCK	LCD serial clock
14	LCD CE	Chip enable output for LCD driver
15	FM ILLUMI	Non connect
16	AM ILLUMI	Non connect
17	CD ILLUMI	Non connect
18	DIMMER OUT	Non connect
19	NC	Non connect
20	MOTOR SEL	Loading motor signal select terminal
21 ~ 23	NC	Non connect
24	KS2	Open
25	KS1	Open
26	KS0	Open
27	DETACH	Front panel detach detectionsignal input
28	K2	Non connect
29	K1	Open
30	K0	Open
31	Vdd	Power supply
32	LM	Loading motor control terminal
33	CD LSI RESET	CD LSI reset signaloutput terminal
34	MCLK	CD LSI command clock signal output terminal
35	MDATA	CD LSI command data output terminal
36	MLD	CD LSI command load signal output terminal
37,38	NC	Non connect
39	SCL	E.volume clock signal output terminal
40	SDA	E.volume data output terminal
41	CD ON	CD power ON control terminal

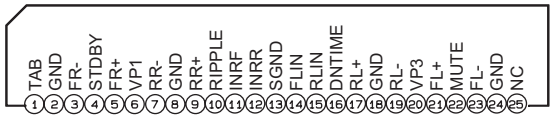
Pin No.	Symbol	Function
42	RELAY	Power supply control terminal
43	BLKCL	Sub code/ Block signal input terminal
44	BEEP	Non connect
45	SW1	Detection switch 1
46	SW2	Detection switch 2
47	PSW	Pnael switch detection
48	REST	Rest switch input terminal
49	FLOCK	Focus signal input terminal
50	TLOCK	Tracking signal input terminal
51	CD SENSE	Senser signal input terminal from CD LSI
52	STATUS	Status signal input terminal
53	P.SAVE2	Power save 2 detection signal input termianl
54	SD/ST	Station detect/Stereo indocator
55	REMOCON	Remocon signal detection terminal
56	J BUS INT	Non connect
57	BAND	FM/AM band select terminal
58	MONO	FM mono control signal output termianl
59	IFRQ/AGC	FA auto serch IF request output
60	MUTE	Mute switch
61	LEVEL	Non connect
62	S METER	S meter input terminal
63	KEY CHANGE	AD key select terminal
64	KEY2	Key AD input terminal 2
65	KEY1	Key AD input terminal 1
66	KEY0	Key AD input terminal 0
67	P.SAVE1	Power save 1 detection input terminal
68	SENSE	Senser signal output terminal
69	NC	Non connect
70	FM IF COUNT	FM IF control signal input terminal
71,72	NC	Non connect
73	Vdd	Power supply
74	AM OSC	Non connect
75	FM OSC	FM local osc signal input terminal
76	Vss	GND
77	NC	Non connect
78	EQ	PLL error signalinput terminal
79	TEST1	Test terminal 1
80	XOUT	X'tal oscillator connect terminal

4.7 LA4743K (IC321) : Power amp.

• Block diagram



• Pin layout

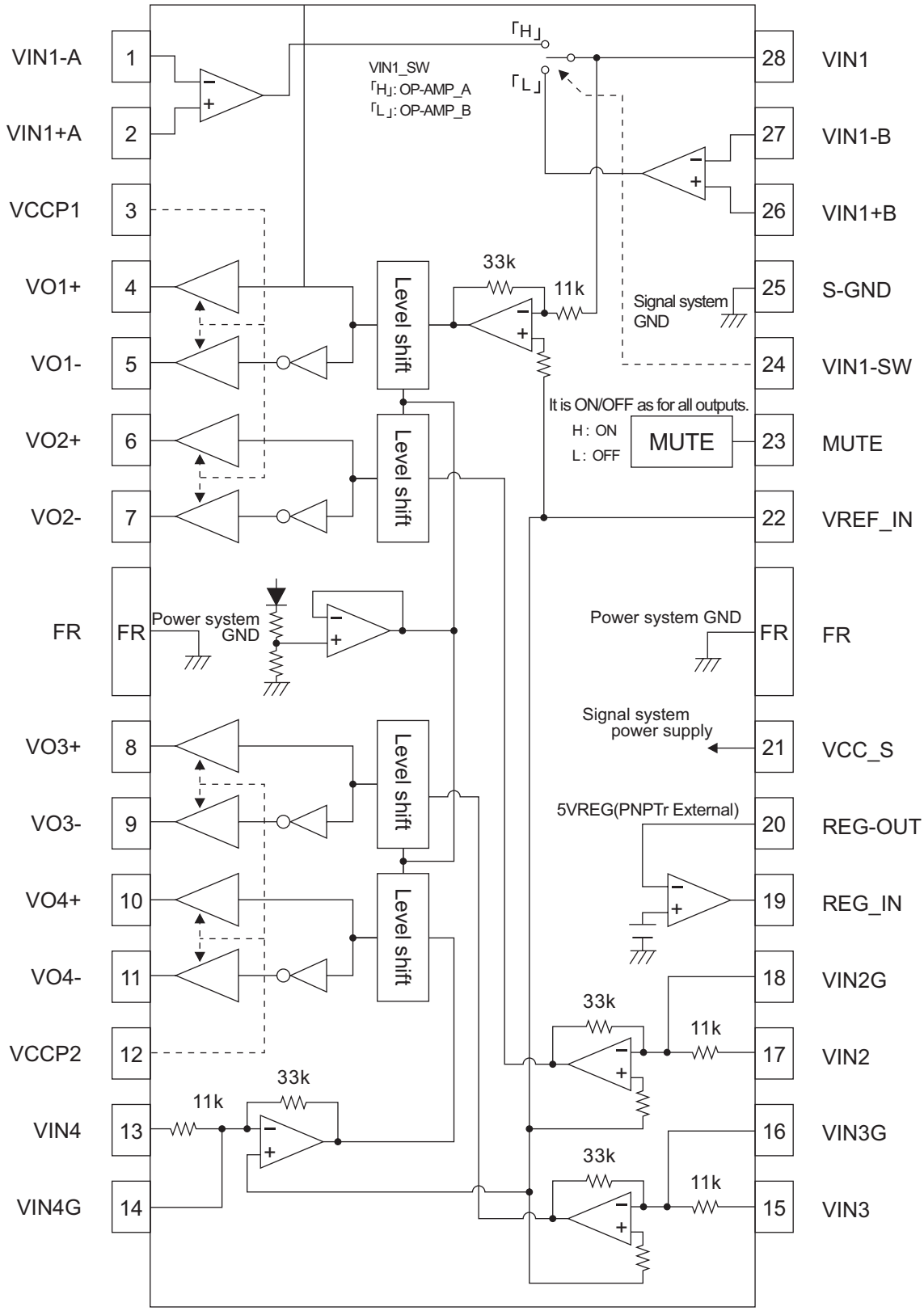


• Pin function

Pin No.	Symbol	Function
1	TAB	Header of IC
2	GND	Power GND
3	FR-	Outpur(-) for front Rch
4	STDBY	Stand by input
5	FR+	Output (+) for front Rch
6	VP1	Power input
7	RR-	Output (-) for rear Rch
8	GND	Power GND
9	RR+	Output (+) for rear Rch
10	RIPPLE	Ripple filter
11	RRIN	Rear Rch input
12	FRIN	Front Rch input
13	SGND	Signal GND
14	FLIN	Front Lch input
15	RLIN	Rear Lch input
16	ONTIME	Power on time control
17	RL+	Output (+) for rear Lch
18	GND	Power GND
19	RL-	Output (-) for rear Lch
20	VP3	Power input
21	FL+	Output (+) for front
22	MUTE	Muting control input
23	FL-	Output (-) for front
24	GND	Power GND
25	NC	Non connection

4.8 LA6589H-X (IC541) : BTL driver

• Pin layout & Block diagram



• Pin function

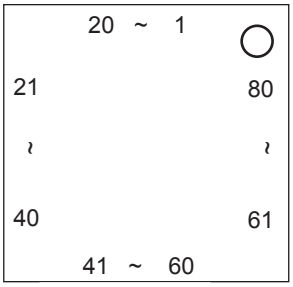
Pin No.	Symbol	Function
1	VIN1-A	CH1 input AMP_A reversing input
2	VIN1+A	CH1 input AMP_A non-reversing input
3	VCCP1	CH1 and CH2 power steps power supply
4	VO1+	CH1 Output terminal (+)
5	VO1-	CH1 Output terminal (-)
6	VO2+	CH2 Output terminal (+)
7	VO2-	CH2 Output terminal (-)
8	VO3+	CH3 Output terminal (+)
9	VO3-	CH3 Output terminal (-)
10	VO4+	CH4 Output terminal (+)
11	VO4-	CH4 Output terminal (-)
12	VCCP2	CH3 and CH4 power steps power supply
13	VIN4	CH4 Input terminal
14	VIN4G	CH4 Input terminal(For gain adjustment)
15	VIN3	CH3 Input terminal
16	VIN3G	CH3 Input terminal(For gain adjustment)
17	VIN2	CH2 Input terminal
18	VIN2G	CH2 Input terminal(For gain adjustment)
19	REGIN	External PNP transistor base connection
20	REG-OUT	5VREG output terminal and external PNP transistor collector connection
21	VCCS	Signal system power supply
22	VREFIN	Standard voltage impression terminal
23	MUTE	Output ON/OFF terminal
24	VIN1_SW	CH1 input OP_AMP switch terminal
25	S_GND	Signal system GND
26	VIN1+B	CH1 AMP_B non-reversing input terminal
27	VIN1-B	CH1 AMP_B reversing input terminal
28	VIN1	CH1 input terminal and input OP_AMP output terminal

*1 Frame (FR) at the center becomes system GND(P-GND) power . Please give (*O) as the lowest potential with system GND(S-GND) signal.

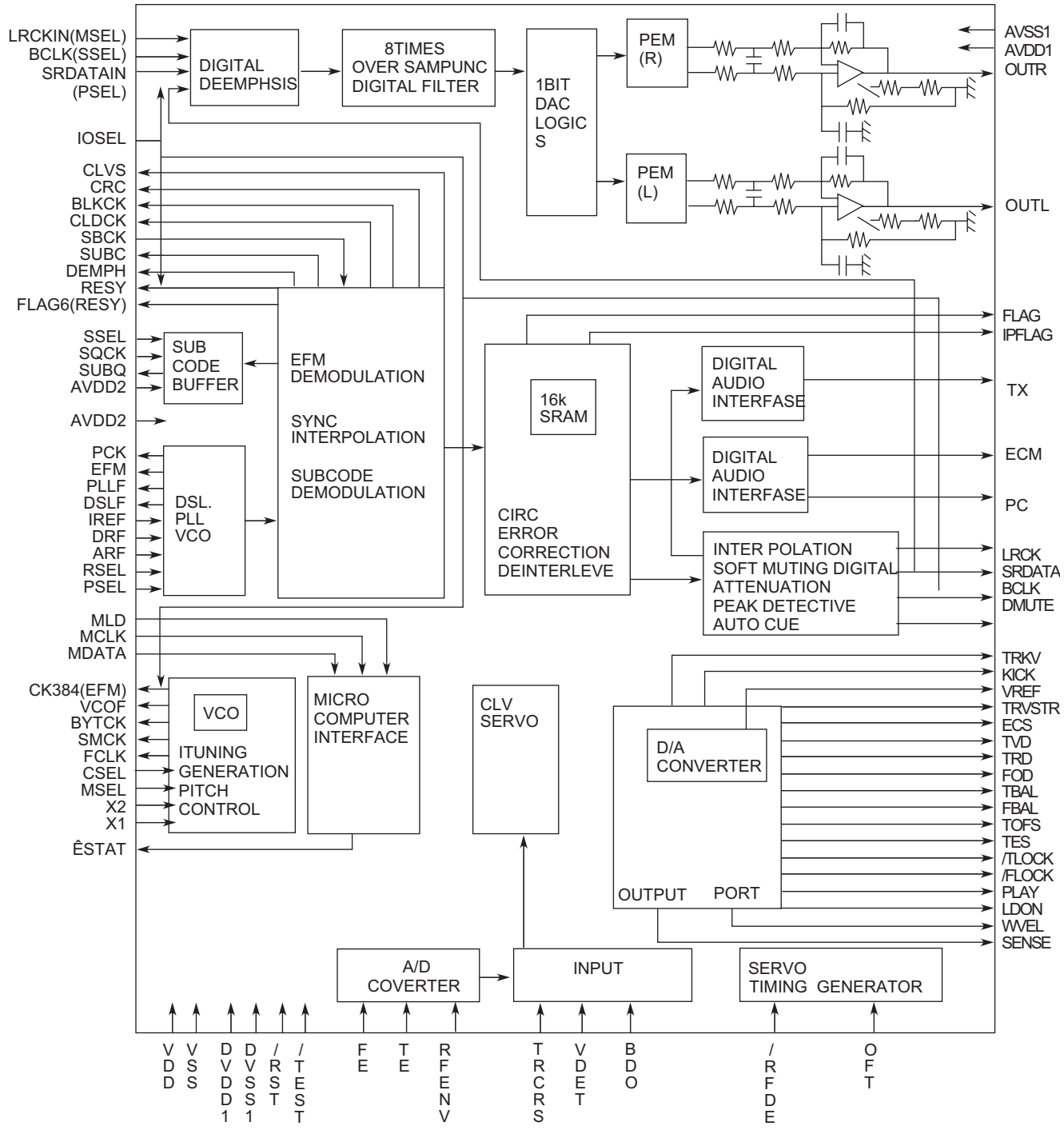
*2 Be short-circuited of VCC_S (signal system power supply) and VCCP1 and VCCP2 (output steps power supply) on the outside.

4.9 MN6627482WA (IC561) : DSP & DAC

• Pin layout



• Block diagram

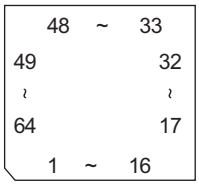


• Pin function

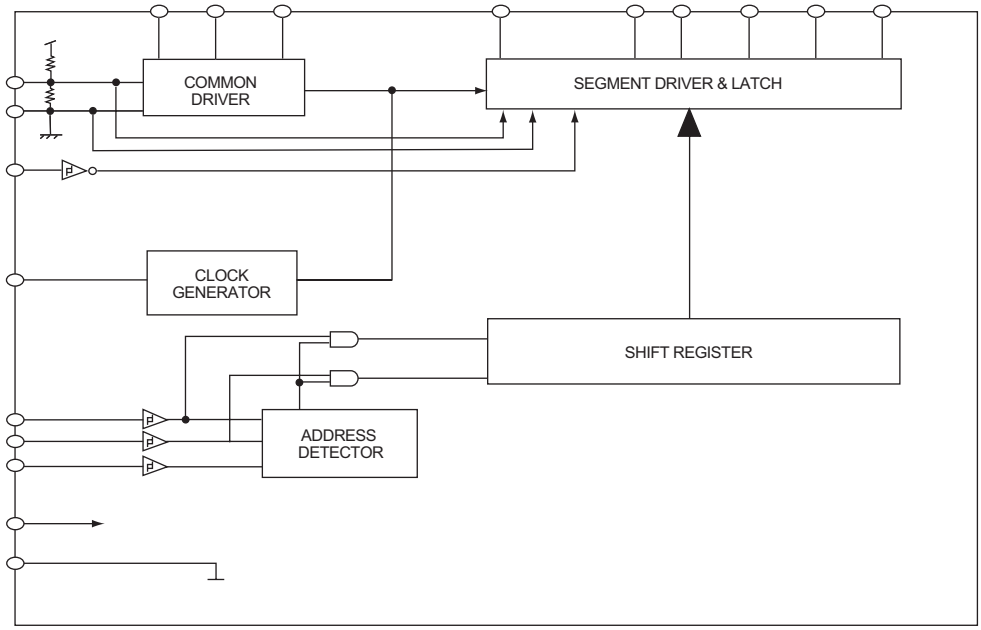
Pin No.	Symbol	I/O	Function
1	BCLK	O	Not used
2	LRCK	O	Not used
3	SRDATA	O	Not used
4	DVDD1	-	Power supply (Digital)
5	DVSS1	-	Connected to GND
6	TX	O	Not used
7	MCLK	I	CPU command clock signal input(Data is latched at signal's rising point)
8	MDATA	I	CPU command data input
9	MLD	I	CPU command load signal input
10	SENSE	O	Sense signal output
11	FLOCK	O	Focus lock signal output Active: Low
12	TLOCK	O	Tracking lock signal output Active: Low
13	BLKCK	O	sub-code/block/clock signal output
14	SQCK	I	Outside clock for sub-code Q resister input
15	SUBQ	O	Sub-code Q -code output
16	DMUTE		Connected to GND
17	STAT	O	Status signal(CRC,CUE,CLVS, TTSTOP,ECLV,SQOK)
18	RST	I	Reset signal input (L:Reset)
19	SMCK	-	Not used
20	PMCK	-	Not used
21	TRV	O	Traverse enforced output
22	TVD	O	Traverse drive output
23	PC	-	Not used
24	ECM	O	Spindle motor drive signal (Enforced mode output) 3-State
25	ECS	O	Spindle motor drive signal (Servo error signal output)
26	KICK	O	Kick pulse output
27	TRD	O	Tracking drive output
28	FOD	O	Focus drive output
29	VREF	-	Reference voltage input pin for D/A output block (TVD,FOD,FBA,TBAL)
30	FBAL	O	Focus Balance adjust signal output
31	TBAL	O	Tracking Balance adjust signal output
32	FE	I	Focus error signal input (Analog input)
33	TE	I	Tracking error signal input (Analog input)
34	RF ENV	I	RF envelope signal input (Analog input)
35	VDET	I	Vibration detect signal input (H:detect)
36	OFT	I	Off track signal input (H:off track)
37	TRCRS	I	Track cross signal input
38	RFDET	I	RF detect signal input (L:detect)
39	BDO	I	BDO input pin (L:detect)
40	LDON	O	Laser ON signal output (H:on)
41	PLLF2	-	Not used
42	TOFS	O	Tracking error shunt signal output (H:shunt)
43	WVEL	-	Not used
44	ARF	I	RF signal input
45	IREF	I	Reference current input pin
46	DRF	I	Bias pin for DSL
47	DSLF	I/O	Loop filter pin for DSL
48	PLLF	I/O	Loop filter pin for PLL
49	VCOF	-	Not used
50	AVDD2	-	Power supply (Analog)
51	AVSS2	-	Connected to GND (Analog)
52	EFM	-	Not used
53	PCK	-	Not used
54	VCOF2	-	PLL data slice output
55	SUBC	-	Not used
56	SBCK	-	Not used
57	VSS	-	Connected to GND (for X'tal oscillation circuit)
58	XI	I	Input of 16.9344MHz X'tal oscillation circuit
59	X2	O	Output of X'tal oscillation circuit
60	VDD	-	Power supply (for X'tal oscillation circuit)
61	BYTCK	-	Not used
62	CLDCK	-	Not used
63	FCLK	-	Not used
64	IPFLAG	-	Not used
65	FLAG	-	Not used
66	CLVS	-	Not used
67	CRC	-	Not used
68	DEMPH	-	Not used
69	RESY	-	Not used
70	IOSEL	-	pull up
71	TEST	-	pull up
72	AVDD1	-	Power supply (Digital)
73	OUT L	O	Lch audio output
74	AVSS1	-	Connected to GND
75	OUT R	O	Rch audio output
76	RSEL	-	pull up
77	CSEL	-	Connected to GND
78	PSEL	-	Connected to GND
79	MSEL	-	Connected to GND
80	SSEL	-	Pull up

4.10PT6523LQ (IC601) : LCD driver

- Pin layout



- Block diagram



- Piin function

Pin No.	Pin Name	I/O	Description
1 ~ 52	SG1 ~ SG52	O	Segment Output Pins
53 ~ 55	COM1 ~ COM3	O	Common Driver Output Pins
56	VDD	-	Power Supply
57	$\overline{INH}$	I	Display OFF Control Input Pin When this pin is "Low", the Display is forcibly turned OFF. (SG1 to SG52, COM1 to COM3 are set to "LOW"). (See Note 1) When this pin is set to "High", the Displa is ON.
58	VDD1	I	Used for the 2/3 Bias Voltage when the Bias Voltages are provied externally. Connect to VDD2 when 1/2 Bias is used.
59	VDD2	I	Used for 1/3 Bias Voltage when the Bias Voltages are provided externally. Connect to VDD1 when 1/2 Bias is used.
60	VSS	-	Ground Pin.
61	OSC	I/O	Oscillation Input /Outout Pin
62	CE	I	Chip Enable Pin
63	CLK	I	Synchronization Clock
64	DI	I	Transfer Data Pin

Note 1:
When $\overline{INH}$ = "LOW" : Serial data trensfers can be performed when the display is forcibly OFF.

JVC
VICTOR COMPANY OF JAPAN, LIMITED
AV & MULTIMEDIA COMPANY MOBILE ENTERTAINMENT CATEGORY 10-1,1chome,Ohwatari-machi,Maebashi-city,371-8543,Japan

(No.49860)

Printed in Japan
WPC

PARTS LIST

[KD-S598,KD-S597]

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

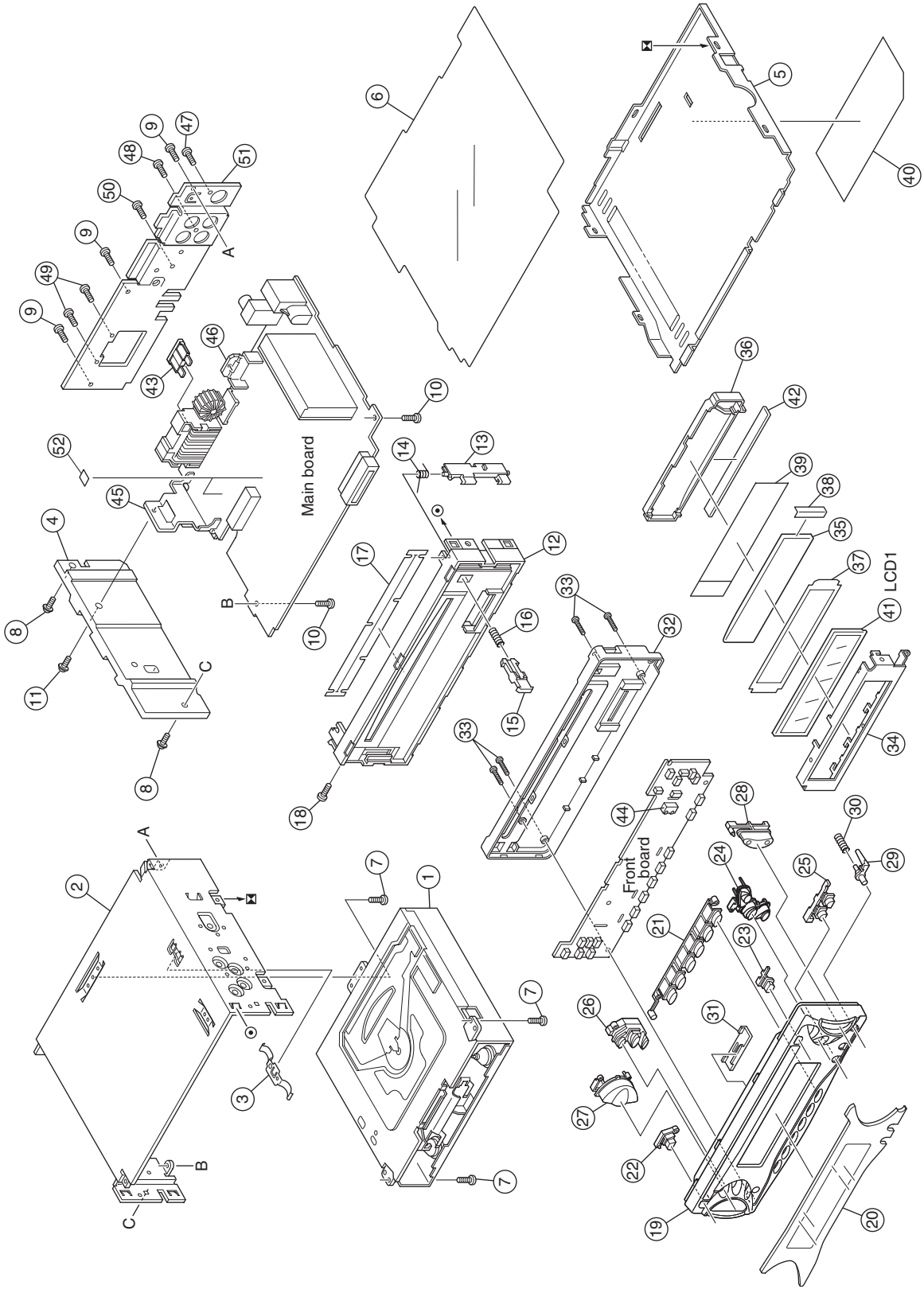
Area suffix

UR ---------- Brazil

- Contents -

Exploded view of general assembly and parts list

Block No. M 1 M M



General assembly

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

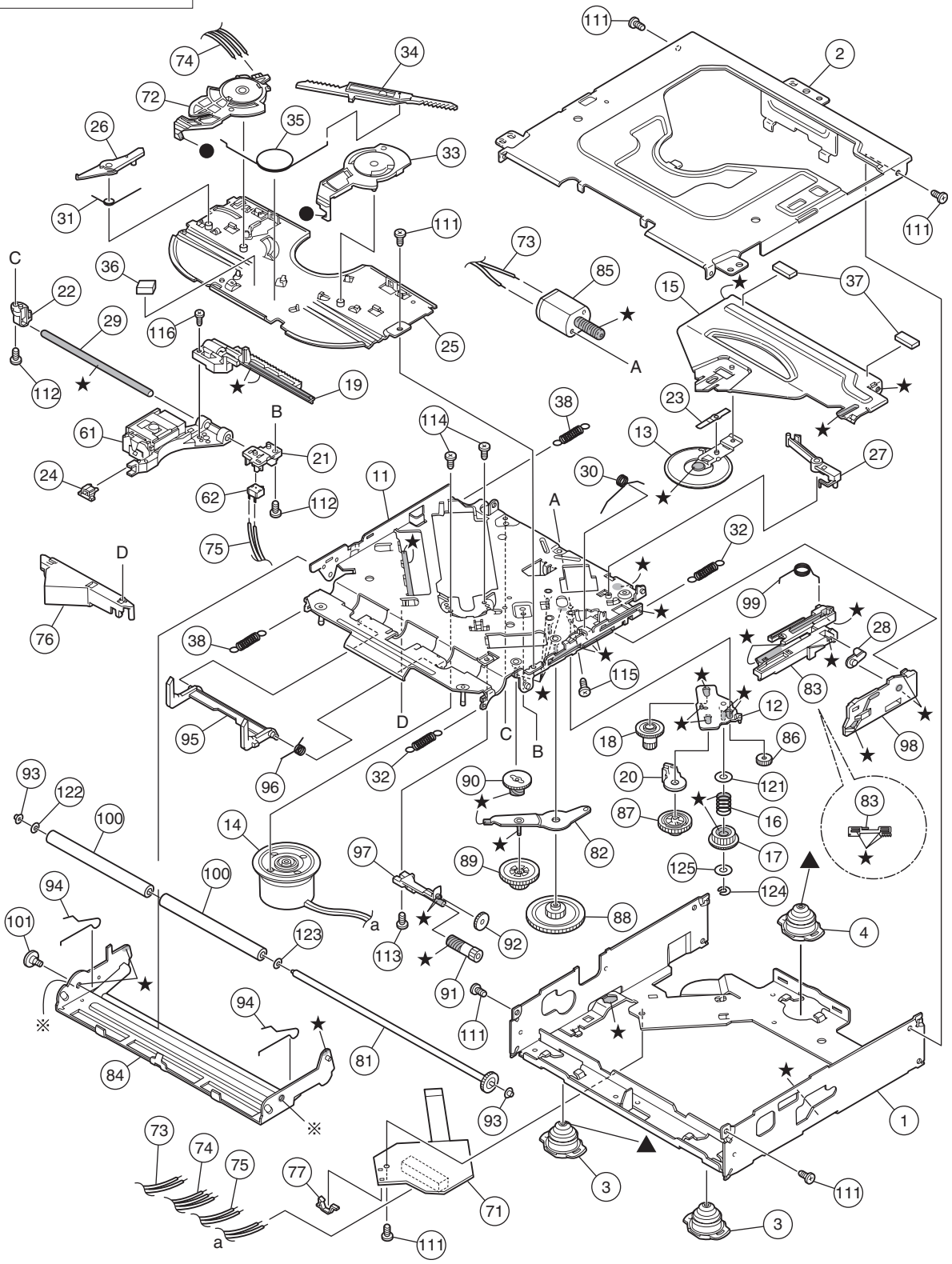
⚠ Symbol No.	Part No.	Part Name	Description	Local
1	----------	CD MECHA		
2	GE10043-210A	TOP CHASSIS		
3	GE40135-001A	EART PLATE		
4	GE30938-003A	HEAT SINK		
5	GE30393-002A	BOTTOM COVER		
6	FSMA3004-203	ISULATOR		
7	QYSDST2604Z	SCREW	2.6mm x 4mm(x3)	
8	FSKZ4005-001	SCREW	(x2)	
9	QYSDST2604Z	SCREW	2.6mm x 4mm(x3)	
10	QYSDST2606Z	SCREW	2.6mm x 6mm(x2)	
11	QYSDST2610Z	SCREW	2.6mm x 10mm	
12	GE10056-002A	FRONT CHASSIS		S597 UR
12	GE10056-001A	FRONT CHASSIS		S598 UR
13	GE30583-001A	LOCK LEVER		
14	FSKW4005-003	TORS. SPRING		
15	FSXP3026-002	RLS KNOB		
16	FSKW3002-015	COMP.SPRING		
17	GE40140-001A	BLIND		
18	QYSDST2004M	MINI SCREW	2mm x 4mm	
19	GE10037-003A	FRONT PANEL		
20	GE30300-026A	FINDER ASSY		S597 UR
20	GE30300-025A	FINDER ASSY		S598 UR
21	GE20119-001A	PRESET BUTTON		
22	GE30304-001A	POWER BUTTON		
23	GE30305-001A	EJECT BUTTON		
24	GE20131-002A	D.FUNC BUTTON		
25	GE30307-001A	SND.FUNC.BUTTON		
26	GE20130-002A	PUSH BUTTON		
27	GE20118-002A	+/- BUTTON		
28	GE20120-001A	UP/DOWN BUTTON		
29	GE30306-001A	DETACH BUTTON		
30	FSKW3002-012	COMP.SPRING		
31	GE30117-001A	LIGHT LENS		
32	GE10055-002A	REAR COVER		
33	VKZ4777-001	MINI SCREW	(x4)	
34	GE30302-001A	LCD CASE		
35	FSJK3025-001	LCD LENS		
36	GE30301-001A	LENS CASE		
37	GE40142-005A	LIGHTING SHEET		
38	FSYH4071-002	LIGHTING SHEET		
39	FSYH4070-005	LIGHTING SHEET		
40	----------	NAME PLATE		
41	QLD0255-001	LCD MODULE		
42	QNZ0442-001	LCD CONNECTOR		
⚠ 43	QMFZ047-150-T	FUSE	15A	
44	GE30854-001A	LED HOLDER		
45	GE40172-002A	IC BRACKET		
46	GE40124-001A	REG BRACKET		
47	QYSDST2606Z	SCREW	2.6mm x 6mm	
48	QYSDSF2606Z	SCREW	2.6mm x 6mm	
49	QYSDSF2606Z	SCREW	2.6mm x 6mm(x2)	
50	QYSDST2606Z	SCREW	2.6mm x 6mm	
51	GE30382-019A	REAR BRACKET		
52	VYSH101-009	SPACER	(x2)	

CD mechanism assembly and parts list

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

Block No. M B M M

TN-2001-1011



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		
IC301	TEA6320T-X	IC		
IC321	LA4743K	POWER IC		
IC501	AN8806SB-W	IC		
IC541	LA6589H-X	BTL DRIVER IC		
IC561	MN6627482WA	IC		
IC801	JES01-9B42	IC		
IC901	HA13164A	IC		
Q321	UN2211-X	TRANSISTOR		
Q332	2SD1781K/QR/-X	TRANSISTOR		
Q432	2SD1781K/QR/-X	TRANSISTOR		
Q501	2SA1706/ST/-T	TRANSISTOR		
Q541	2SA1706/ST/-T	TRANSISTOR		
Q701	UN2211-X	TRANSISTOR		
Q731	2SC1623/5-6/-X	TRANSISTOR		
Q732	2SC1623/5-6/-X	TRANSISTOR		
Q791	2SB1197K/QR/-X	TRANSISTOR		
Q792	2SA812/5-6/-X	TRANSISTOR		
Q793	UN2211-X	TRANSISTOR		
Q861	UN2111-X	TRANSISTOR		
Q902	2SC1623/5-6/-X	TRANSISTOR		
Q903	2SA812/5-6/-X	TRANSISTOR		
D321	1SS133-T2	DIODE		
D332	1SS355-X	SI DIODE		
D333	1SS355-X	SI DIODE		
D551	1A3G-T1	SI DIODE		
D701	1SS133-T2	DIODE		
D702	1SS133-T2	DIODE		
D731	MTZJ10B-T2	Z DIODE		
D791	1SS355-X	SI DIODE		
D792	1SS355-X	SI DIODE		
D810	1SS355-X	SI DIODE		
D821	UDZS6.2B-X	Z DIODE		
D822	UDZS6.2B-X	Z DIODE		
D823	UDZS6.2B-X	Z DIODE		
D824	UDZS6.2B-X	Z DIODE		
D825	UDZS6.2B-X	Z DIODE		
D826	UDZS6.2B-X	Z DIODE		
D827	UDZS6.2B-X	Z DIODE		
D828	UDZS6.2B-X	Z DIODE		
D861	MTZJ4.7B-T2	Z DIODE		
D866	1SS355-X	SI DIODE		
D867	1SS355-X	SI DIODE		
D868	1SS355-X	SI DIODE		
D869	1SS355-X	SI DIODE		
D901	1N5401-F64	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	NCB21CK-184X	C CAPACITOR	0.18uF 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	
C310	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	

⚠ Symbol No.	Part No.	Part Name	Description	Local
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	QEKJ1EM-475Z	E CAPACITOR	4.7uF 25V 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	NCB21CK-184X	C CAPACITOR	0.18uF 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	NCB31AK-224X	C CAPACITOR	0.22uF 10V 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	
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
C573	QERF1AM-227Z	E CAPACITOR	220uF 10V M	
C574	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C576	NCB31HK-152X	C CAPACITOR	1500pF 50V K	
C577	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C579	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C701	QERF1AM-476Z	E CAPACITOR	47uF 10V M	
C702	QEKJ1HM-104Z	E CAPACITOR	0.1uF 50V M	
C703	QERF1HM-104Z	E CAPACITOR	0.1uF 50V M	
C709	NCB31EK-333X	C CAPACITOR	0.033uF 25V K	
C710	NCB31EK-333X	C CAPACITOR	0.033uF 25V K	
C711	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C712	QEKJ1HM-104Z	E CAPACITOR	0.1uF 50V M	
C714	NCS31HJ-121X	C CAPACITOR	120pF 50V J	
C717	NDC31HJ-221X	C CAPACITOR	220pF 50V J	
C718	NCB31EK-223X	C CAPACITOR	0.022uF 25V K	
C720	QERF1AM-227Z	E CAPACITOR	220uF 10V M	
C725	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C731	QERF1HM-225Z	E CAPACITOR	2.2uF 50V M	
C732	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C733	QERF1AM-227Z	E CAPACITOR	220uF 10V M	
C801	QEKJ0JM-227Z	E CAPACITOR	220uF 6.3V M	
C802	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C803	NDC31HJ-220X	C CAPACITOR	22pF 50V J	
C804	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C807	QERF1CM-106Z	E CAPACITOR	10uF 16V M	
C821	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C822	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C823	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C824	NCB31HK-221X	C CAPACITOR	220pF 50V K	
C861	QEKJ0JM-227Z	E CAPACITOR	220uF 6.3V M	
C862	NCB31EK-823X	C CAPACITOR	0.082uF 25V K	
C901	QEZ0615-228	E CAPACITOR	2200uF	
C902	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C903	QEKJ1CM-226Z	E CAPACITOR	22uF 16V M	
C904	QERF1CM-226Z	E CAPACITOR	22uF 16V M	
C905	QERF1CM-226Z	E CAPACITOR	22uF 16V M	
C906	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C907	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C908	QERF1AM-107Z	E CAPACITOR	100uF 10V M	
C909	QERF1AM-107Z	E CAPACITOR	100uF 10V M	
C910	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C911	QERF1AM-227Z	E CAPACITOR	220uF 10V M	
C914	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C915	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C916	QERF1HM-225Z	E CAPACITOR	2.2uF 50V M	
R101	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R102	NRSA63J-512X	MG RESISTOR	5.1kΩ 1/16W J	
R151	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R152	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R153	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R154	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R155	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R156	NRS181J-223X	MG RESISTOR	22kΩ 1/8W J	
R201	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R202	NRSA63J-512X	MG RESISTOR	5.1kΩ 1/16W J	
R251	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R252	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R253	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R254	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R255	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R256	NRS181J-223X	MG RESISTOR	22kΩ 1/8W J	
R301	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R302	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R303	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R304	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R307	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R308	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R321	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R322	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R323	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R333	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R334	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R336	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R401	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R402	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R403	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R404	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	

⚠ Symbol No.	Part No.	Part Name	Description	Local
R407	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R408	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R433	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R434	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R436	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R501	NRSA02J-220X	MG RESISTOR	22Ω 1/10W J	
R502	NRSA02J-220X	MG RESISTOR	22Ω 1/10W J	
R503	NRS181J-102X	MG RESISTOR	1kΩ 1/8W J	
R504	NRSA63J-202X	MG RESISTOR	2kΩ 1/16W J	
R505	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R506	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R507	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R508	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	
R509	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R510	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R511	NRSA63J-274X	MG RESISTOR	270kΩ 1/16W J	
R512	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R513	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R516	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R517	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R518	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R519	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R524	NRSA63J-202X	MG RESISTOR	2kΩ 1/16W J	
R541	NRS181J-682X	MG RESISTOR	6.8kΩ 1/8W J	
R542	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R543	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R544	NRSA63J-512X	MG RESISTOR	5.1kΩ 1/16W J	
R545	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R546	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R547	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R548	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R550	NRSA63J-113X	MG RESISTOR	11kΩ 1/16W J	
R551	NRSA63J-202X	MG RESISTOR	2kΩ 1/16W J	
R552	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R553	NRS181J-0R0X	MG RESISTOR	0Ω 1/8W J	
R554	NRS181J-513X	MG RESISTOR	51kΩ 1/8W J	
R557	NRSA02J-151X	MG RESISTOR	150Ω 1/10W J	
R560	NRS181J-101X	MG RESISTOR	100Ω 1/8W J	
R561	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R562	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R563	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R564	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R567	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R568	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R569	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R570	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R571	NRS181J-333X	MG RESISTOR	33kΩ 1/8W J	
R573	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R574	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R575	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R576	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R577	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R579	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R580	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R581	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R596	NRSA02J-822X	MG RESISTOR	8.2kΩ 1/10W J	
R701	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R702	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R703	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R704	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R705	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R708	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R725	NRSA63J-820X	MG RESISTOR	82Ω 1/16W J	
R733	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R734	NRS181J-471X	MG RESISTOR	470Ω 1/8W J	
R735	NRS181J-152X	MG RESISTOR	1.5kΩ 1/8W J	
R736	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R791	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R792	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R793	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R794	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R795	NRS181J-150X	MG RESISTOR	15Ω 1/8W J	
R796	NRS181J-150X	MG RESISTOR	15Ω 1/8W J	
R797	NRS181J-100X	MG RESISTOR	10Ω 1/8W J	
R798	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R801	NRS181J-103X	MG RESISTOR	10kΩ 1/8W J	
R803	NRS181J-332X	MG RESISTOR	3.3kΩ 1/8W J	
R804	NRS181J-332X	MG RESISTOR	3.3kΩ 1/8W J	

⚠ Symbol No.	Part No.	Part Name	Description	Local
R805	NRS181J-332X	MG RESISTOR	3.3kΩ 1/8W J	
R807	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R808	NRS181J-102X	MG RESISTOR	1kΩ 1/8W J	
R809	NRS181J-103X	MG RESISTOR	10kΩ 1/8W J	
R811	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R812	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R813	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R814	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R815	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R817	NRS181J-472X	MG RESISTOR	4.7kΩ 1/8W J	
R822	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R823	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R825	NRS181J-473X	MG RESISTOR	47kΩ 1/8W J	
R826	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R827	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R828	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R829	NRS181J-473X	MG RESISTOR	47kΩ 1/8W J	
R830	NRS181J-223X	MG RESISTOR	22kΩ 1/8W J	
R831	NRS181J-472X	MG RESISTOR	4.7kΩ 1/8W J	
R832	NRS181J-223X	MG RESISTOR	22kΩ 1/8W J	
R833	NRS181J-472X	MG RESISTOR	4.7kΩ 1/8W J	
R834	NRS181J-223X	MG RESISTOR	22kΩ 1/8W J	
R835	NRS181J-472X	MG RESISTOR	4.7kΩ 1/8W J	
R836	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R840	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R841	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R842	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R843	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R844	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R861	NRS181J-471X	MG RESISTOR	470Ω 1/8W J	
R862	NRS181J-471X	MG RESISTOR	470Ω 1/8W J	
R901	NRSA63J-912X	MG RESISTOR	9.1kΩ 1/16W J	
R902	QRE142J-102X	C RESISTOR	1kΩ 1/4W J	
R903	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R904	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R905	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R906	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R907	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	
R908	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J	
R909	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R910	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R911	NRS181J-473X	MG RESISTOR	47kΩ 1/8W J	
L501	QQL231K-4R7Y	INDUCTOR I/M	4.7uH K	
L561	QQL231K-4R7Y	INDUCTOR I/M	4.7uH K	
L562	QQL231K-4R7Y	INDUCTOR I/M	4.7uH K	
L701	QQL231K-4R7Y	INDUCTOR I/M	4.7uH K	
L801	QQL231K-4R7Y	INDUCTOR I/M	4.7uH K	
L901	QQR0703-001	CHOKE COIL		
CJ321	QNN0533-001	PIN JACK		
CJ701	QNB0100-002	CAR ANT JACK		
CN501	QGB2027M4-22S	CONNECTOR	B-B (1-22)	
CN801	VMC0334-001	CONNECTOR		
CN901	QNZ0611-001	16P CONNECTOR		
TU701	QAU0281-001	TUNER PACK		
X561	QAX0714-001Z	C RESISTOR	16.000MHz	
X801	QAX0406-001Z	CRYSTAL	4.500MHz	

Front board

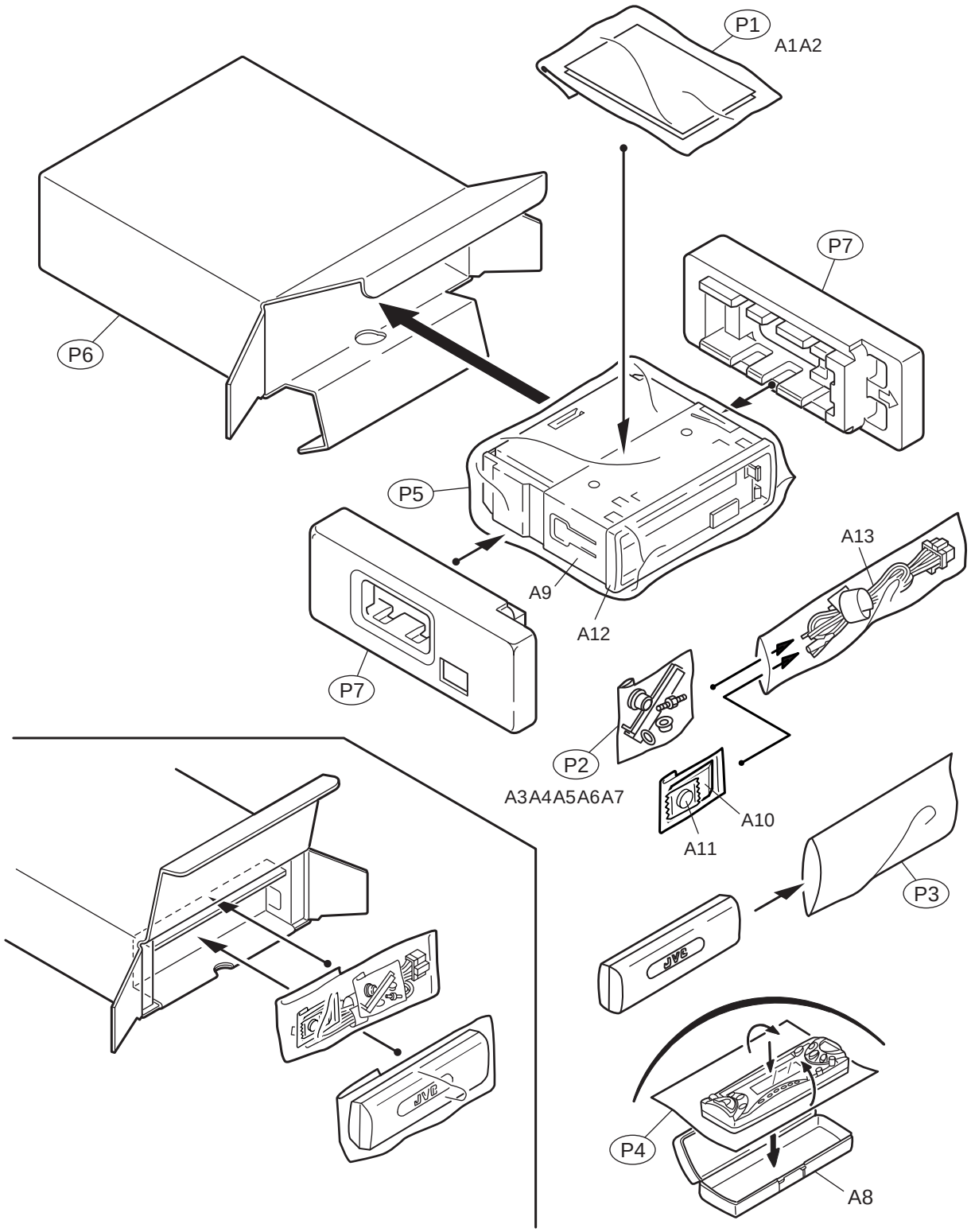
Block No. [0][2][0][0]

⚠ Symbol No.	Part No.	Part Name	Description	Local
IC601	PT6523LQ	IC		
IC602	RPM6938-SV4	REMOCON RCV		
D601	SML-310VT/JK/-X	LED		
D602	SML-310VT/JK/-X	LED		
D603	SML-310VT/JK/-X	LED		
D604	SML-310VT/JK/-X	LED		
D605	SML-310VT/JK/-X	LED		
D606	SML-310VT/JK/-X	LED		
D607	SML-310VT/JK/-X	LED		
D608	SML-310VT/JK/-X	LED		
D609	SML-310VT/JK/-X	LED		
D610	SML-310VT/JK/-X	LED		
D611	SML-310VT/JK/-X	LED		
D612	SML-310VT/JK/-X	LED		
D613	LT1F67AF-W	LED		
D614	SML-310VT/JK/-X	LED		
D615	SML-310VT/JK/-X	LED		
D616	SML-310VT/JK/-X	LED		
D617	SML-310VT/JK/-X	LED		
D618	SML-310VT/JK/-X	LED		
D619	SML-310VT/JK/-X	LED		
D620	SML-310LT/MN/-X	LED		
D641	UDZS5.6B-X	Z DIODE	1.5kΩ 1/10W J	
D643	1SS355-X	SI DIODE		
D644	UDZS6.2B-X	Z DIODE		
D645	UDZS6.2B-X	Z DIODE		
D731	NSPW310BS/B2RS/	LED		
D732	NSPW310BS/B2RS/	LED		
C601	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C602	NCS31HJ-681X	C CAPACITOR	680pF 50V J	
C603	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C611	NCB31HK-123X	C CAPACITOR	0.012uF 50V K	
C612	NBE20JM-475X	TA E CAPACITOR	4.7uF 6.3V M	
R601	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R602	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R603	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R604	NRSA63J-911X	MG RESISTOR	910Ω 1/16W J	
R605	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R606	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R607	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R608	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R609	NRSA63J-911X	MG RESISTOR	910Ω 1/16W J	
R610	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R611	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R612	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R613	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R614	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R615	NRSA63J-911X	MG RESISTOR	910Ω 1/16W J	
R616	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R617	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R631	NRSA02J-821X	MG RESISTOR	820Ω 1/10W J	
R632	NRSA02J-222X	MG RESISTOR	2.2kΩ 1/10W J	
R633	NRSA02J-222X	MG RESISTOR	2.2kΩ 1/10W J	
R634	NRSA02J-102X	MG RESISTOR	1kΩ 1/10W J	
R635	NRSA02J-102X	MG RESISTOR	1kΩ 1/10W J	
R636	NRSA02J-122X	MG RESISTOR	1.2kΩ 1/10W J	
R637	NRSA02J-122X	MG RESISTOR	1.2kΩ 1/10W J	
R638	NRSA02J-391X	MG RESISTOR	390Ω 1/10W J	
R639	NRSA02J-391X	MG RESISTOR	390Ω 1/10W J	
R640	NRSA02J-391X	MG RESISTOR	390Ω 1/10W J	
R641	NRSA02J-391X	MG RESISTOR	390Ω 1/10W J	
R642	NRSA02J-681X	MG RESISTOR	680Ω 1/10W J	
R643	NRSA02J-681X	MG RESISTOR	680Ω 1/10W J	
R644	NRSA02J-102X	MG RESISTOR	1kΩ 1/10W J	
R645	NRSA02J-102X	MG RESISTOR	1kΩ 1/10W J	
R651	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R652	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R653	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
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	
R661	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R662	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R731	NRS181J-391X	MG RESISTOR	390Ω 1/8W J	
R732	NRS181J-391X	MG RESISTOR	390Ω 1/8W J	
CJ601	VMC0335-001	PANEL CONNECTOR		
S601	NSW0066-001X	TACT SW		
S602	NSW0066-001X	TACT SW		
S603	NSW0066-001X	TACT SW		
S604	NSW0066-001X	TACT SW		
S605	NSW0066-001X	TACT SW		
S606	NSW0066-001X	TACT SW		

⚠ Symbol No.	Part No.	Part Name	Description	Local
S607	NSW0066-001X	TACT SW		
S608	NSW0066-001X	TACT SW		
S609	NSW0066-001X	TACT SW		
S610	NSW0066-001X	TACT SW		
S611	NSW0066-001X	TACT SW		
S612	NSW0066-001X	TACT SW		
S613	NSW0066-001X	TACT SW		
S614	NSW0066-001X	TACT SW		
S615	NSW0066-001X	TACT SW		
S616	NSW0066-001X	TACT SW		
S617	NSW0066-001X	TACT SW		
S618	NSW0066-001X	TACT SW		
S619	NSW0066-001X	TACT SW		
S620	NSW0066-001X	TACT SW		

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	----------	INST.BOOK		
A 2	----------	INSTALL BOOK		
A 3	VKZ4027-202	PLUG NUT		
A 4	VKH4871-001SS	MOUNT BOLT		
A 5	VKZ4328-001	LOCK NUT		
A 6	WNS5000Z	WASHER		
A 7	GE40130-001A	HOOK	(x2)	
A 8	FSJB3001-30D	HARD CASE		
A 9	GE20137-003A	MOUNTING SLEEVE		
A 10	RM-RK60	REMOCON UNIT		
A 11	----------	BATTERY		
A 12	GE20135-003A	TRIM PLATE		S597 UR
A 12	GE20135-001A	TRIM PLATE		S598 UR
A 13	QAM0089-001SSF	16P CORD ASSY		
P 1	----------	POLY BAG		
P 2	----------	POLY BAG		
P 3	----------	POLY BAG		
P 4	----------	SHEET		
P 5	----------	POLY BAG		
P 6	----------	CARTON		
P 7	----------	EPS CUSHION	(x2)	

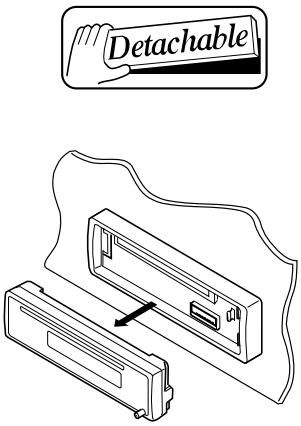
JVC

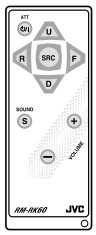
SCHEMATIC DIAGRAMS

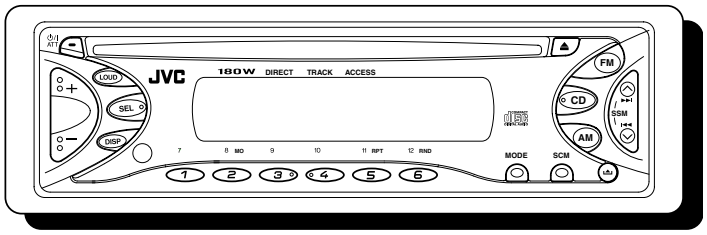
CD RECEIVER

KD-S598,KD-S597

CD-ROM No.SML200305







COMPACT disc DIGITAL AUDIO

Area Suffix
UR ---------- Brazil

Contents

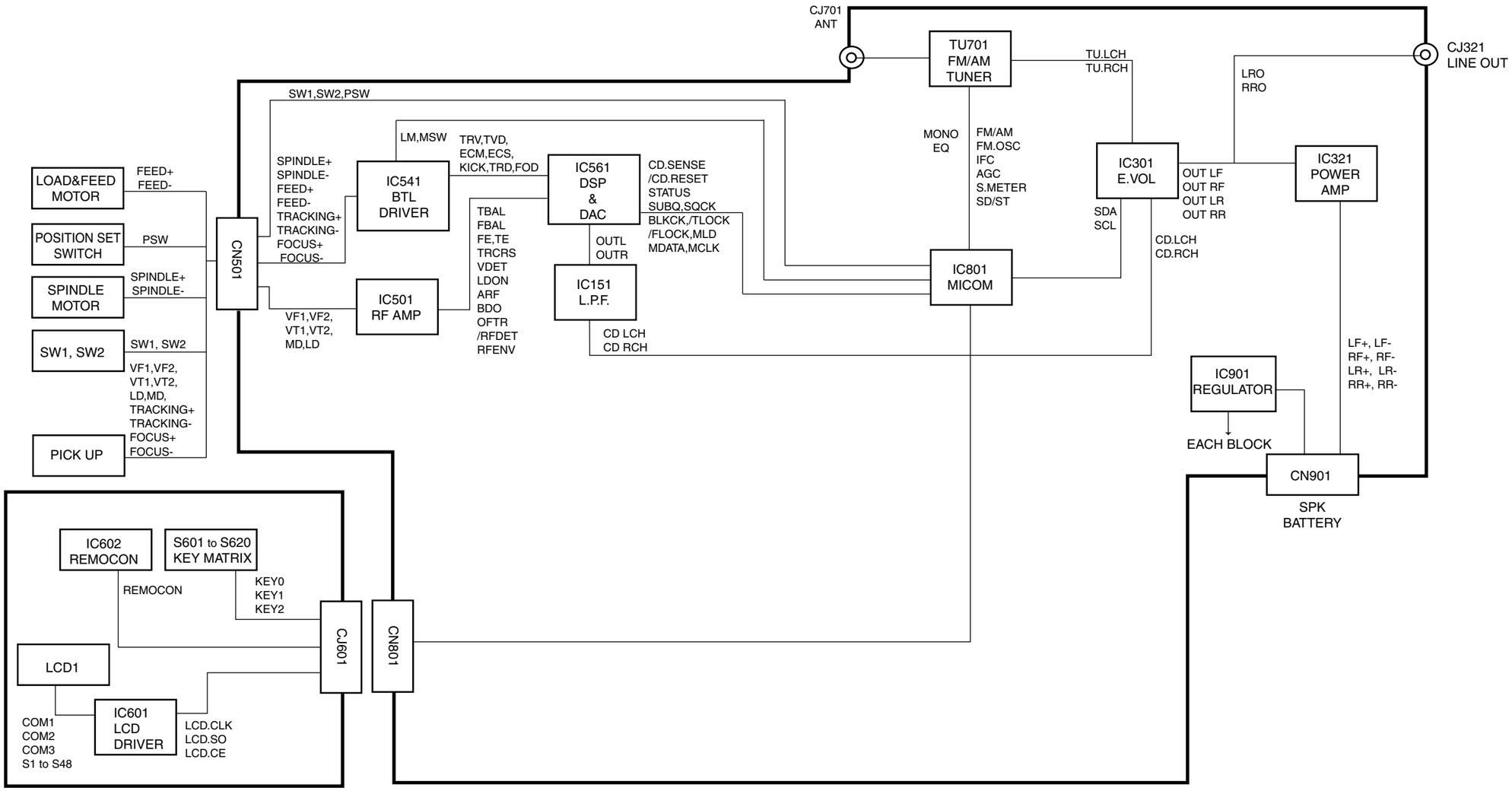
No.49860SCH
2003/05

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 preforming repair of this system.**

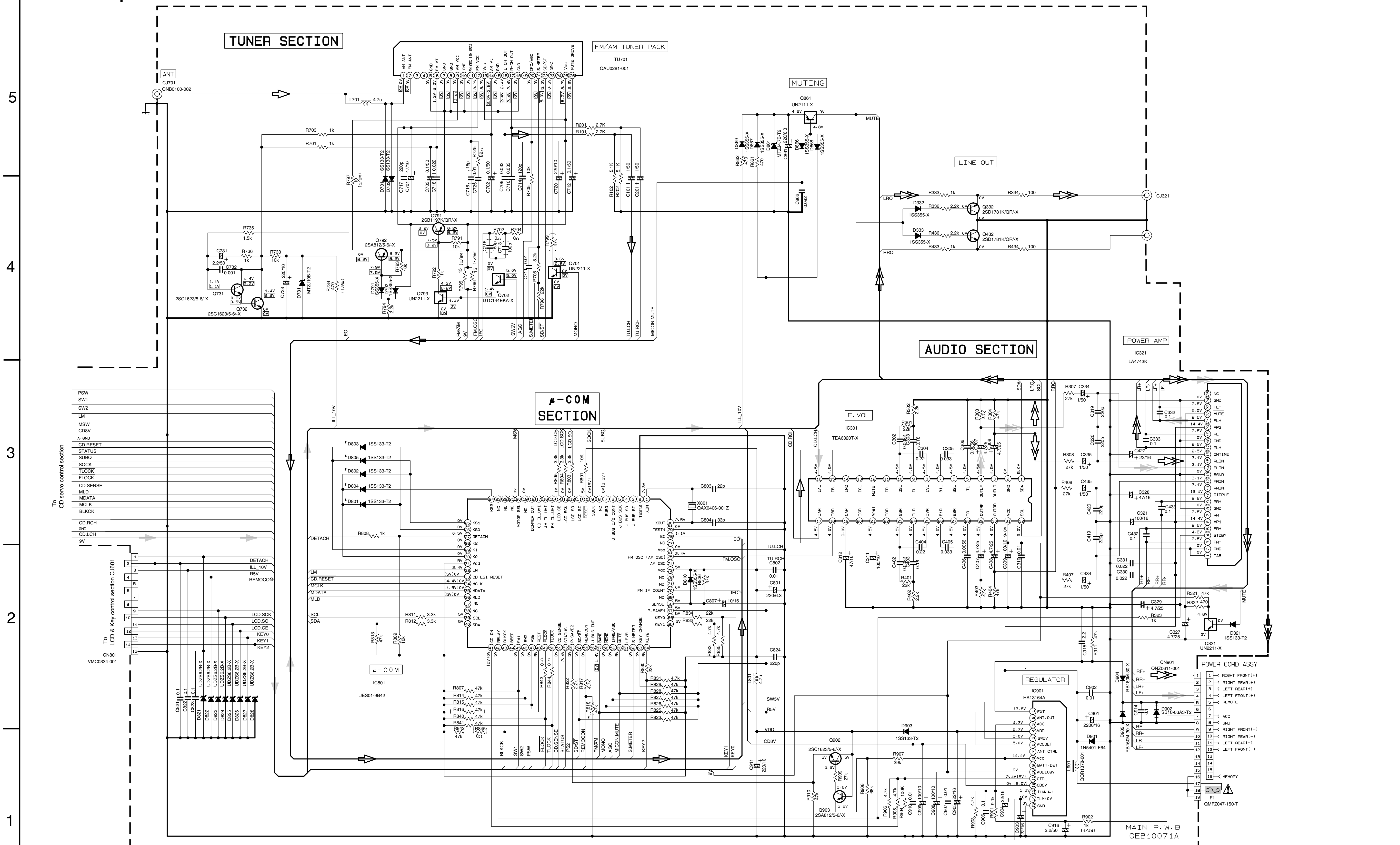
⚠ ***CAUTION*** **Please use enough caution not to see the beam directly or touch it in case of an adjustment or operation check.**

Block diagram



Standard schematic diagrams

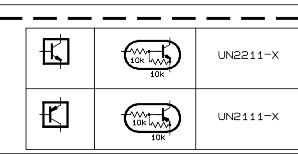
■ Main amplifier section



*REMARKS D801	NOT USED
D804	NOT USED
D802 D803 D805	NOT USED
Q702 C713 C715	NOT USED
R818	NOT USED FOR KD-S6350J
CJ321	QNN0533-001

NOTES:

1. VOLTAGE ARE DC-MEASURED WITH A DIGITAL VOLTMETER WITHOUT INPUT SIGNAL CONDITION ---FM(☐ AM MODE, ( ) CD MODE)
2. UNLESS OTHERWISE SPECIFIED.
   ALL RESISTOR ARE 1/16W ± 5%METAL GLAZE RESISTOR.
   ALL CAPACITOR ARE 50V OR 25V CERAMIC CAPACITOR.
   ALL RESISTANCE VALUES ARE IN OHM
   ALL CAPACITANCE VALUES ARE IN uF(p=pF).
   ALL E. CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(uF)/RATED VOLTAGE(V)

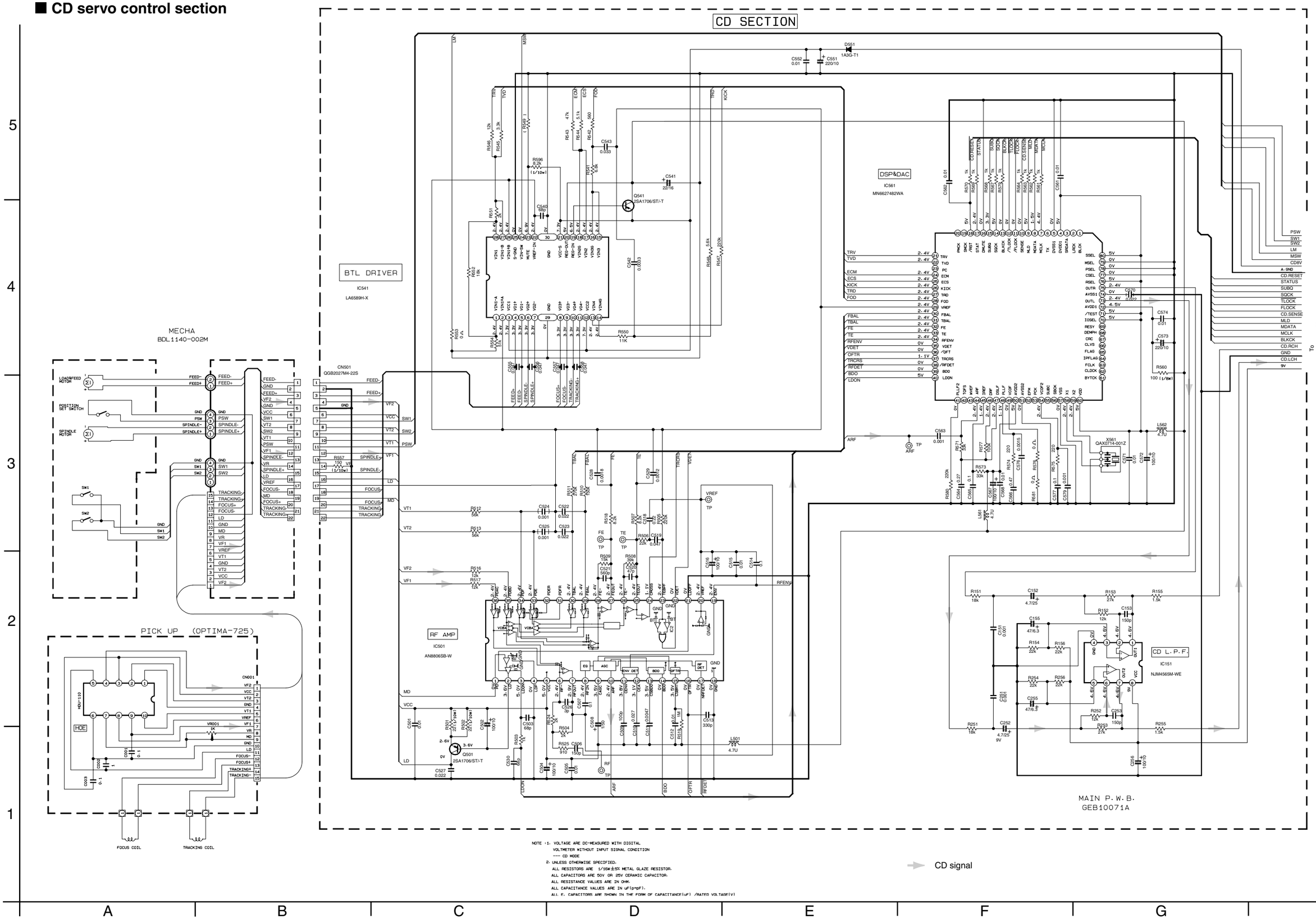


Tuner signal
CD signal
Front signal
Rear signal

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

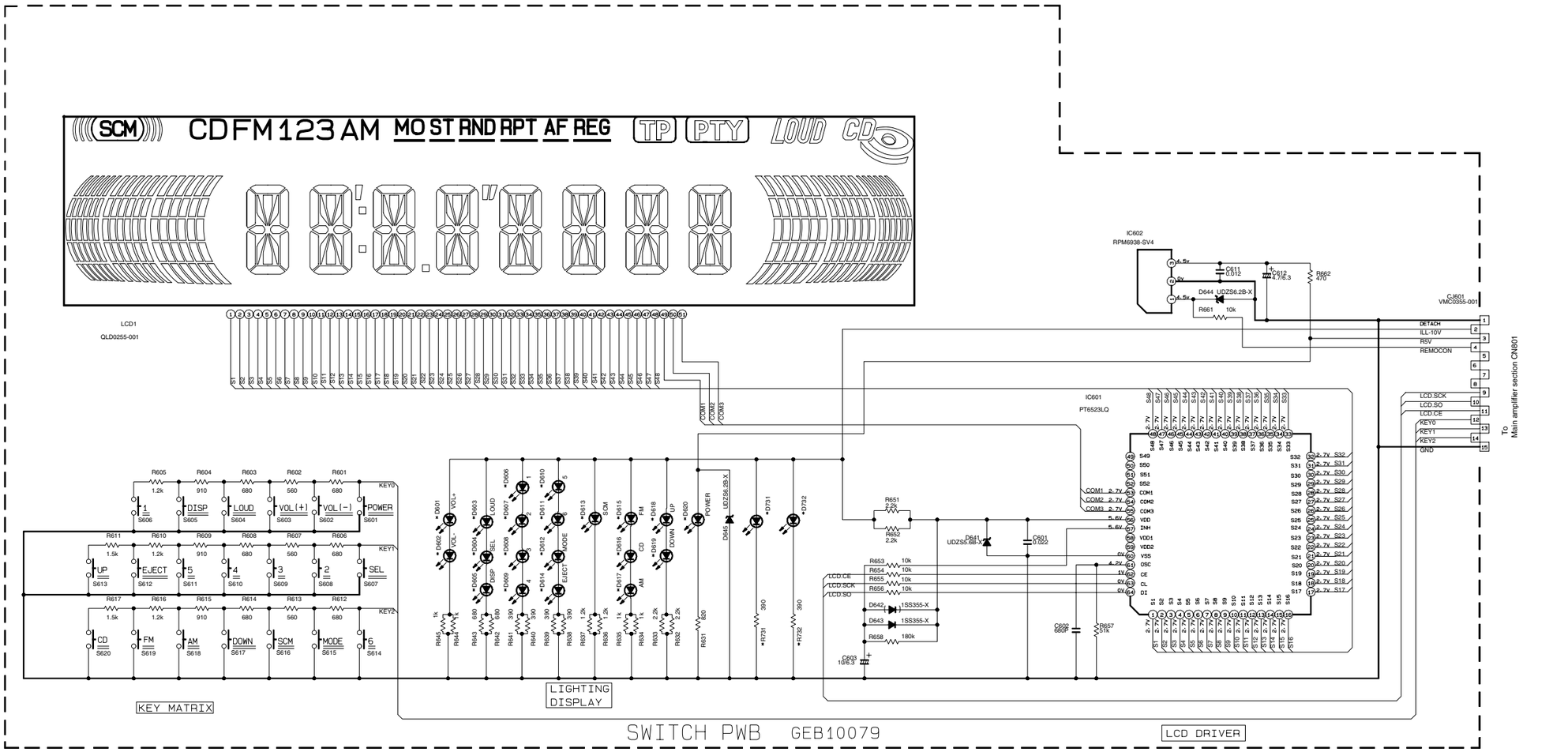
A B C D E F G H

■ CD servo control section



NOTE :1. VOLTAGE ARE DC-MEASURED WITH DIGITAL VOLTMETER WITHOUT INPUT SIGNAL CONDITION --- CD MODE
2. 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(p=pF).
ALL E. CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(uF) /RATED VOLTAGE(V)

■ LCD & Key control section



FRONT CIRCUIT BOARD SECTION

REMARKS

D731 D732	NSPW310BS/B2RS/
D601 - D612 D614 - D619	SML-310VT/JK/-X
D620	SML-310LT/MW/-X
D613	LT1F67AF-W
S601 - S620	NSW0066-001X
R731 R732	NRS181J-681X

NOTES
1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER WITHOUT INPUT SIGNAL.
2. UNLESS OTHERWISE SPECIFIED.
   ALL RESISTOR ARE 1/10W ±5% METAL GLAZE RESISTOR
   ALL CAPACITORS ARE 50V OR 25V CERAMIC CAPACITOR.
   ALL RESISTANCE VALUES ARE IN OHM.
   ALL CAPACITANCE VALUES ARE IN UF(P=PF).
   ALL E-CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (UF)/RATED VOLTAGE(V).

Printed circuit boards

■ Main board

5

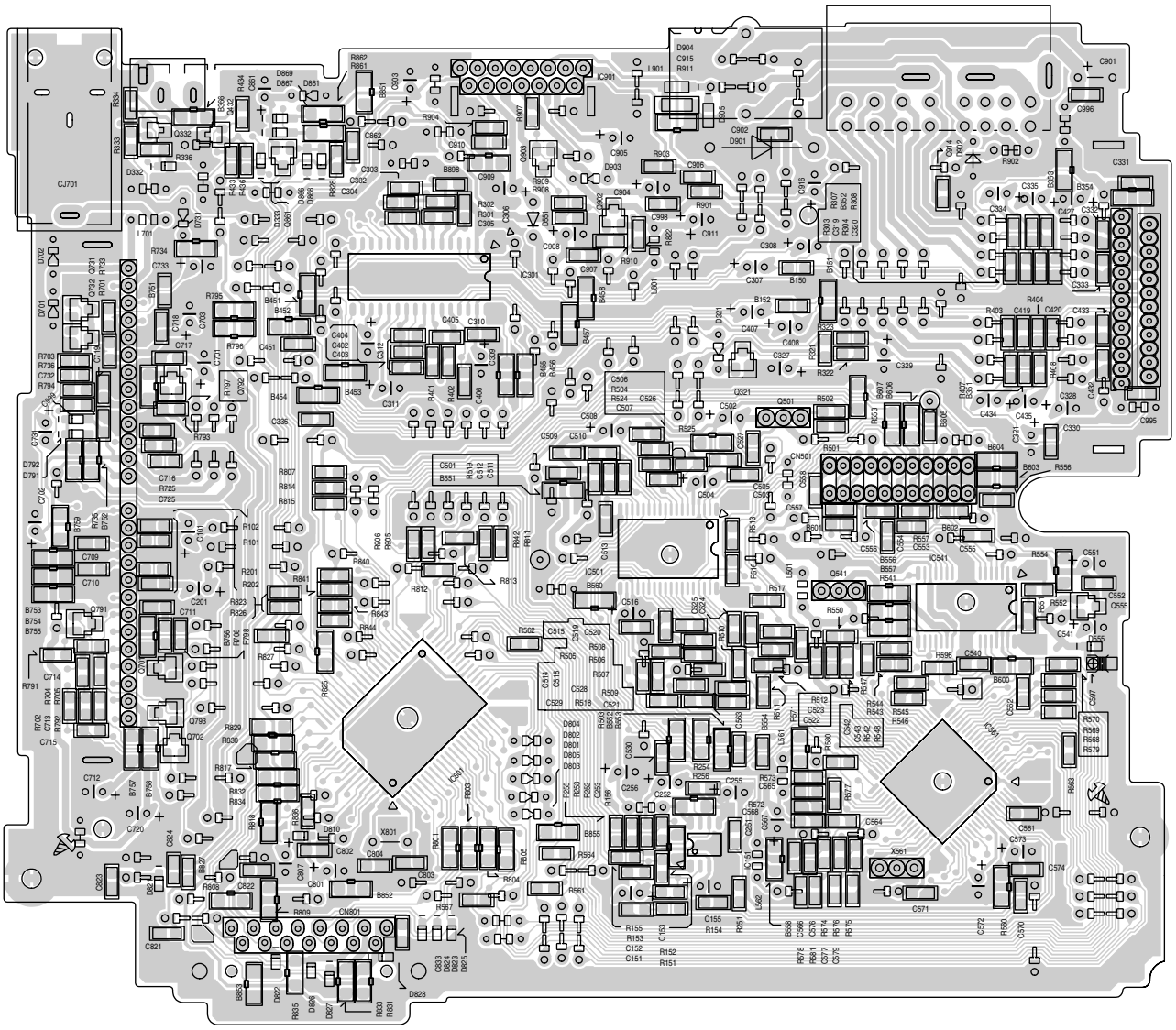
4

3

2

1

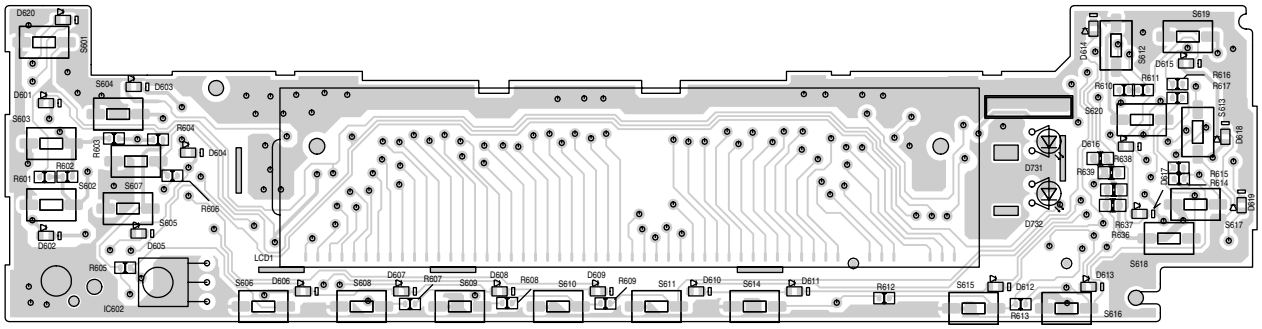
Reverse side



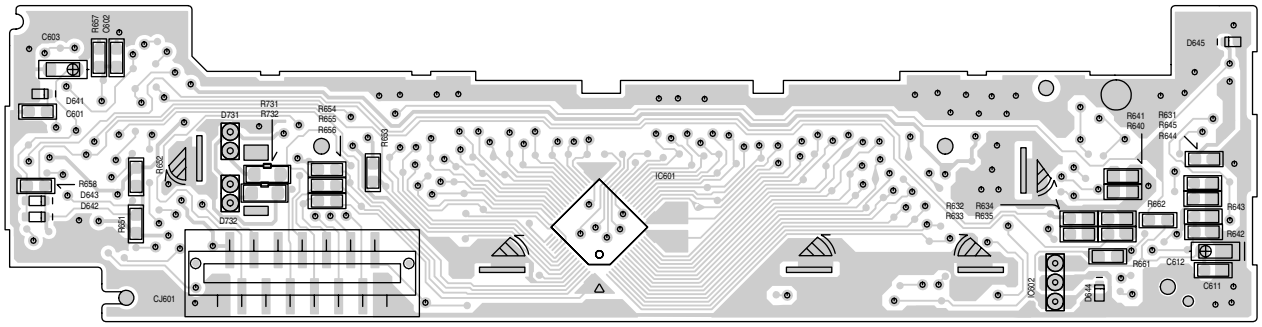
A B C

■ Front board

Forward side



Reverse side



A B C D

< MEMO >

KD-S598,KD-S597

JVC

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(No.49860SCH)

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2003/05