

JVC

SERVICE MANUAL

CD RECEIVER

**KD-SH1000J, KD-SH1000E,
KD-SH1000EX, KD-SH1000EY,
KD-SH1000EU, KD-SH1000U,
KD-SH1000UN, KD-SH1000UT,
KD-SH1000UH**



Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

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SPECIFICATION

AUDIO AMPLIFIER SECTION			
Power Output (for J)		20 W RMS × 4 Channels at 4 Ω and [$<$ or $=$] 1% THD+N	
Signal to Noise Ratio(for J)		80 dBA (reference: 1 W into 4 Ω)	
Maximum Power Output		Front/Rear	50 W per channel
Continuous Power Output (RMS)		Front/Rear	19 W per channel into 4 Ω, 40 Hz to 20 000 Hz at no more than 0.8% total harmonic distortion
Load Impedance			4 Ω (4 Ω to 8 Ω allowance)
Equalizer Control Range	Frequencies	Graphic EQ	63 Hz, 125 Hz, 250 Hz, 500 Hz, 1 kHz, 2 kHz, 4 kHz, 8 kHz, 12.5 kHz (9 bands)
		Parametric EQ	3 bands (Band 1/2/3): 20 Hz, 25 Hz, 31.5 Hz, 40 Hz, 50 Hz, 63 Hz, 80 Hz, 100 Hz, 125 Hz, 160 Hz, 200 Hz, 250 Hz, 315 Hz, 400 Hz, 500 Hz, 630 Hz, 800 Hz, 1 kHz, 1.2 kHz, 1.6 kHz, 2 kHz, 2.5 kHz, 3.2 kHz, 4 kHz, 5 kHz, 6.3 kHz, 8 kHz, 10 kHz, 12.5 kHz, 16 kHz, 20 kHz (31 frequencies)
	Level		±10 dB
Frequency Response			40 Hz to 20 000 Hz
Level/Impedance		Line-In	1.5 V/20 kΩ load (full scale)
		Line-Out	5.0 V/20 kΩ load (full scale)
Output Impedance			1 kΩ
Subwoofer-Out Level/Impedance			2.0 V/20 kΩ load (full scale)
Other Terminals			LINE IN, CD changer
TUNER SECTION			
Frequency Range	FM (for J)	87.5 MHz to 107.9 MHz (with channel interval set to 200 kHz) 87.5 MHz to 108.0 MHz (with channel interval set to 50 kHz)	
	FM	87.5 MHz to 108.0 MHz	
	AM (for J)	530 kHz to 1 710 kHz (with channel interval set to 10 kHz) 531 kHz to 1 602 kHz (with channel interval set to 9 kHz)	
	AM (for asia)	531 kHz to 1 602 kHz	
	AM (for europe)	(MW) 522 kHz to 1 620 kHz (LW) 144 kHz to 279 kHz	
FM Tuner	Usable Sensitivity	11.3 dBf (1.0 μV/75 Ω)	
	50 dB Quieting Sensitivity	16.3 dBf (1.8 μV/75 Ω)	
	Alternate Channel Selectivity (400 kHz)	65 dB	
	Frequency Response	40 Hz to 15 000 Hz	
	Stereo Separation	30 dB	
AM Tuner	Sensitivity/Selectivity	20 μV/65 dB	
MW Tuner (for europe)	Sensitivity/Selectivity	20 μV/65 dB	
LW Tuner (for europe)	Sensitivity	50 μV	

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	98 dB	
Signal-to-Noise Ratio	102 dB	
Wow and Flutter	Less than measurable limit	
MP3	Bit Rate	32 kbps - 320 kbps
	Sampling Frequency	MPEG-1: 48 kHz, 44.1 kHz, 33 kHz MPEG-2: 24 kHz, 22.05 kHz, 16 kHz
WMA	Bit Rate	8 kbps - 320 kbps
	Sampling Frequency	48 kHz, 44.1 kHz, 32 kHz
SD CARD		
Format	FAT 12/16	
Storage	8 MB - 512 MB	
Playable Audio Format	MP3/WMA	
MP3	Bit Rate	8 kbps - 320 kbps
	Sampling Frequency	MPEG-1: 48 kHz, 44.1 kHz, 33 kHz
WMA	Bit Rate	MPEG-2: 24 kHz, 22.05 kHz, 16 kHz
	Sampling Frequency	8 kbps - 192 kbps 48 kHz, 44.1 kHz, 32 kHz
USB MEMORY		
Format	FAT 12/16/32	
Storage	Less than 4 GB (1 partition type)	
Playable Audio Format	MP3/WMA	
Max. Current	Less than 500 mA	
MP3	Bit Rate	32 kbps - 320 kbps
	Sampling Frequency	MPEG-1: 48 kHz, 44.1 kHz, 32 kHz MPEG-2: 24 kHz, 22.05 kHz, 16 kHz MPEG-2.5: 12 kHz, 11.025 kHz, 8 kHz
WMA	Bit Rate	5 kbps - 320 kbps
	Sampling Frequency	8 kHz - 48 kHz
GENERAL		
Power Requirement	DC 14.4 V (11 V to 16 V allowance)	
Grounding System	Negative ground	
Allowable Operating Temperature	0°C to +40°C (32°F to 104°F)	
Dimensions (W × H × D)	Installation Size (approx.)	182 mm × 52 mm × 162 mm (7-3/16" × 2-1/16" × 6-7/16")
	Panel Size (approx.)	188 mm × 58 mm × 11 mm (7-7/16" × 2-5/16" × 7/16")
Mass (approx.)	1.7 kg (3.8 lbs) (excluding accessories)	

Design and specifications are subject to change without notice.

SECTION 1

PRECAUTIONS

1.1 Safety Precautions



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



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

1.2 Preventing static electricity

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

1.2.1 Grounding to prevent damage by static electricity

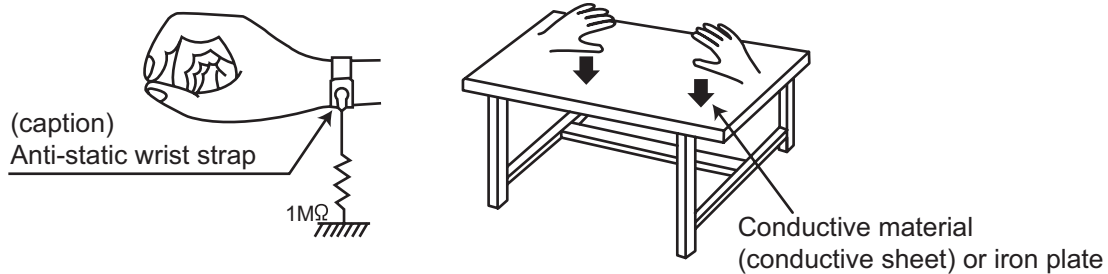
Static electricity in the work area can destroy the optical pickup (laser diode) in devices such as laser products. Be careful to use proper grounding in the area where repairs are being performed.

(1) Ground the workbench

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

(2) Ground yourself

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



(3) Handling the optical pickup

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

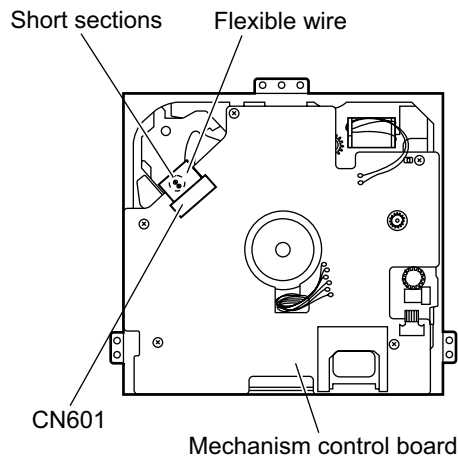
1.3 Handling the traverse unit (optical pickup)

- (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 pickup unit.**

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



1.5 Important for laser products

1.CLASS 1 LASER PRODUCT

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

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

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

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

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



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

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

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

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

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

REPRODUCTION AND POSITION OF LABELS

WARNING LABEL

CLASS 1
LASER PRODUCT

CAUTION : Visible and Invisible laser radiation when open and interlock failed or defeated. AVOID DIRECT EXPOSURE TO BEAM. (e)	ADVARSEL : Synlig og usynlig laserstråling når maskinen er åben eller interlocken fejler. Undgå direkte eksponering til stråling. (d)	VARNING : Synlig och osynlig laserstråling när den öppnas och spärren är urkopplad. Betrakta ej strålen. (s)	VARO : Avattaessa ja suojalukitus ohitettuna tai viallisena olet alttiina näkyvälle ja näkymättömälle lasersäteilylle. Vältä säteen kohdistumista suoraan itseesi. (f)
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SECTION 2

SPECIFIC SERVICE INSTRUCTIONS

This service manual does not describe SPECIFIC SERVICE INSTRUCTIONS.

SECTION 3 DISASSEMBLY

3.1 Main body section

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

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

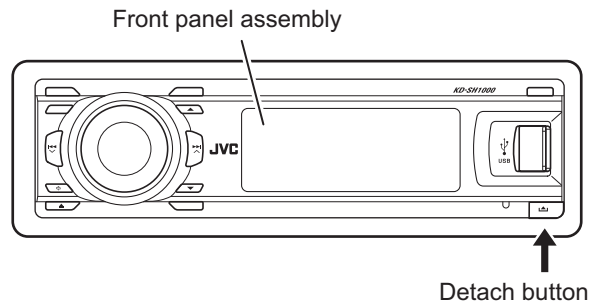


Fig.1

3.1.2 Removing the heat sink (See Fig.2)

Reference:

Remove the front panel assembly as required.

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

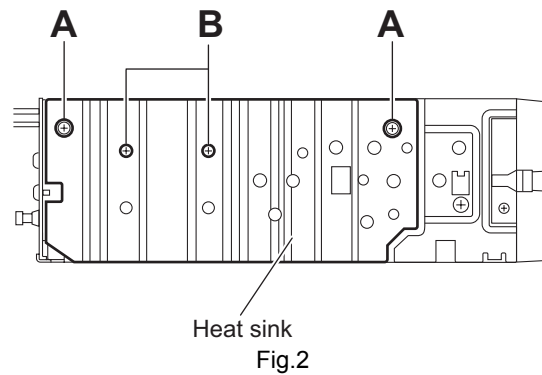


Fig.2

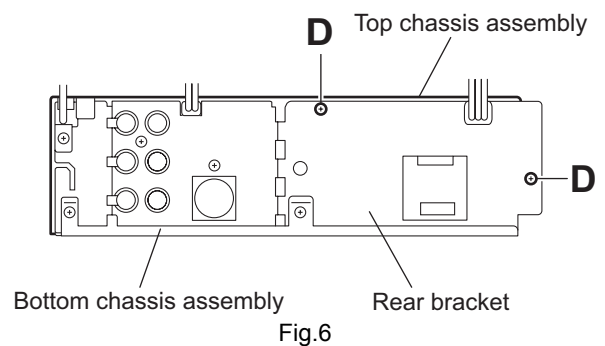
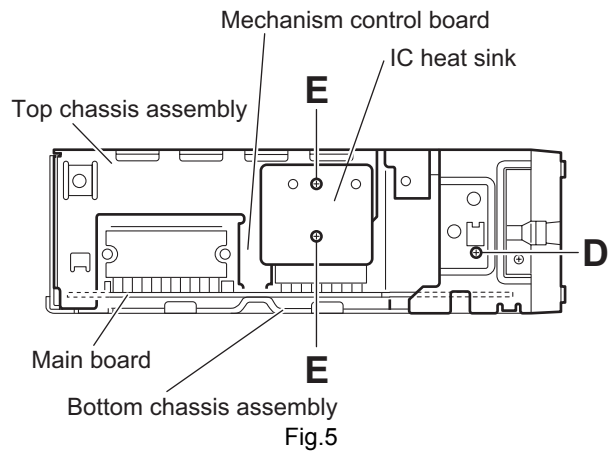
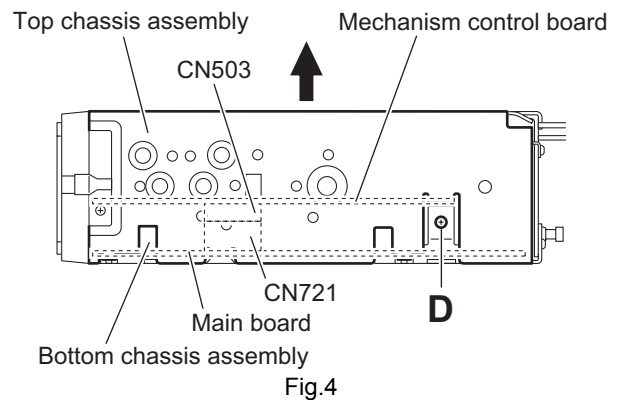
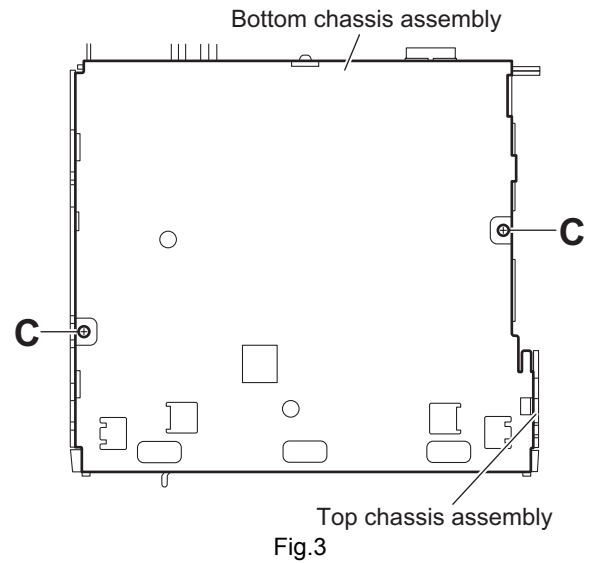
3.1.3 Removing the top chassis assembly (See Fig.3 to 6)

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

Reference:

Remove the front panel assembly as required.

- (1) From the bottom side of the main body, remove the two screws **C** attaching the top chassis assembly to the bottom chassis assembly. (See Fig.3)
- (2) Remove the two screws **E** attaching the IC heat sink from left side of the main body. (See Fig.5)
- (3) From the both and rear sides of the main body, remove the four screws **D** attaching the top chassis assembly to the bottom chassis assembly. (See Fig.4 to 6)
- (4) Lift the top chassis assembly in the direction of the arrow, disconnect the connector [CN503](#) on the mechanism control board from the connector [CN721](#) on the main board. (See Fig.4 to 6)
- (5) Take out the top chassis assembly from the bottom chassis assembly.



3.1.4 Removing the front chassis assembly (See Fig 7, 8)

- Prior performing the following procedure, remove the front panel assembly, heat sink and top chassis assembly.
 - (1) From the both sides of the top chassis assembly, remove the two screws **F** attaching the front chassis assembly.
 - (2) Remove the front chassis assembly from the top chassis assembly.

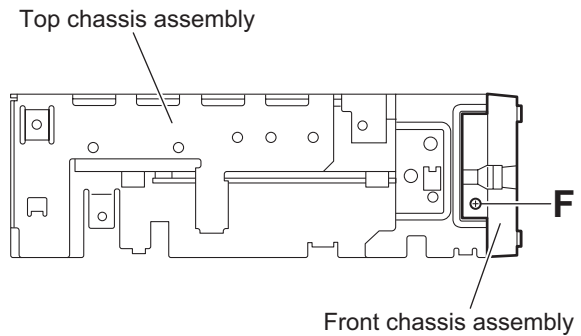


Fig.7

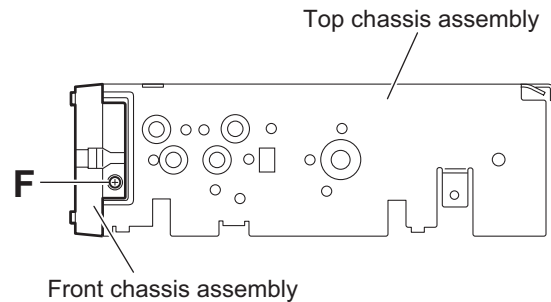


Fig.8

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

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

Reference:

Remove the front chassis assembly as required.

- (1) From the inside of the top chassis assembly, remove the three screws **G** attaching the CD mechanism assembly.
- (2) Release the mecha heat sink from the slots **a** on the mechanism control board and remove the mecha heat sink from the main body.
- (3) Take out the CD mechanism assembly from the top chassis.

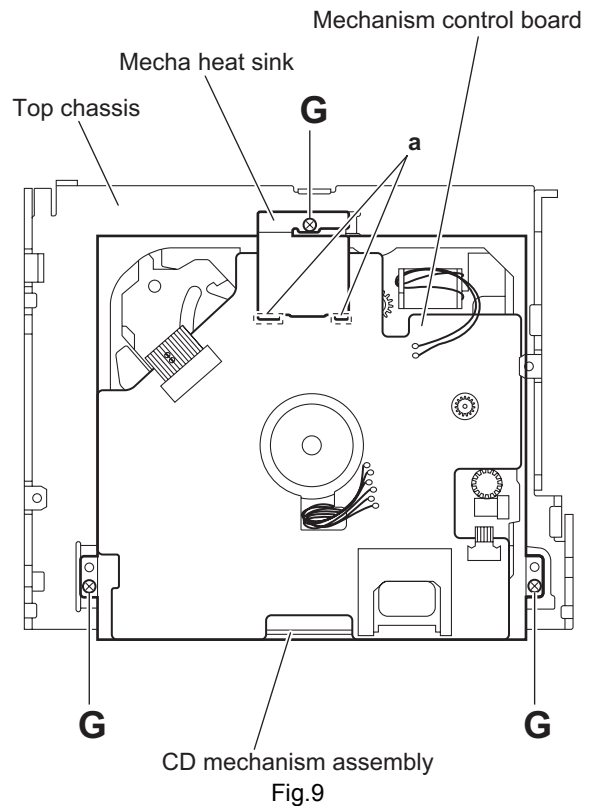


Fig.9

3.1.6 Removing the main board

(See Fig.10, 11)

- Prior to performing the following procedures, remove the front panel assembly, heat sink and top chassis assembly.
 - (1) From the rear side of the bottom chassis assembly, remove the two screws **H** attaching the rear bracket to the bottom chassis assembly. (See Fig.10)
 - (2) From the top side of the bottom chassis assembly, remove the two screws **J** attaching the main board to the bottom chassis assembly. (See Fig.11)
 - (3) Release the stopper of the connector [CN701](#) on the main board in an upward direction, disconnect the card wire from the connector [CN701](#). (See Fig.11)
 - (4) Disconnect the wire from the connector [CN962](#) on the main board. (See Fig.11)
 - (5) Disconnect the wire from connector [CN961](#) on the main board. (See Fig.11)

Reference:

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

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

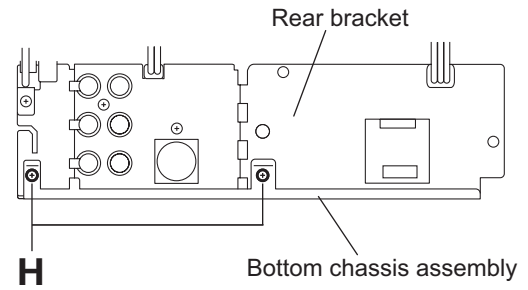


Fig.10

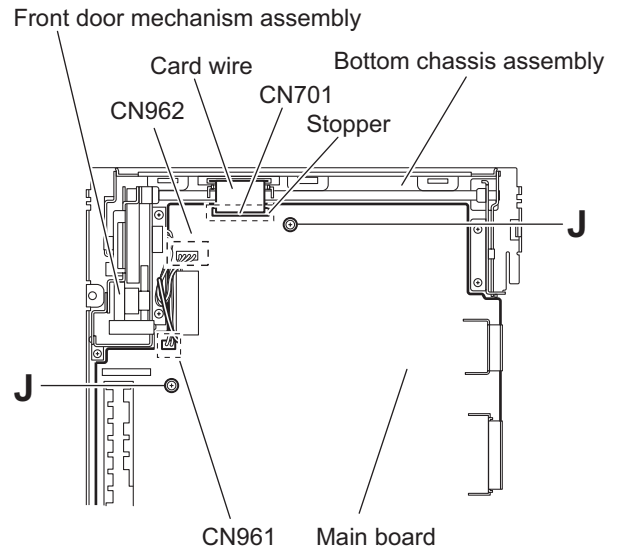


Fig.11

3.1.7 Removing the rear bracket

(See Fig.12)

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

Reference:

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

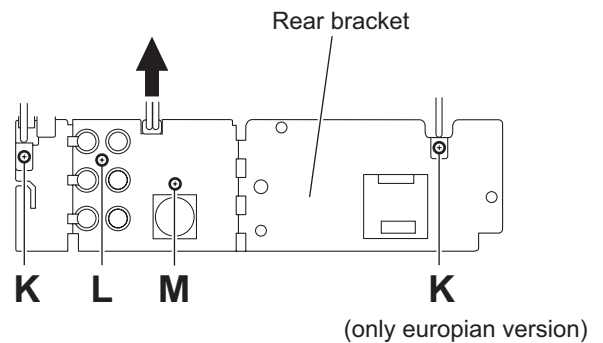


Fig.12

3.1.8 Removing the front door mechanism assembly (See Fig.13)

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

- (1) From the top side of the bottom chassis assembly, remove the one screw **N** attaching the FPC guide to the bottom chassis.
- (2) Remove the five screws **P** attaching the front door mechanism assembly to the bottom chassis.

Reference:

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

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

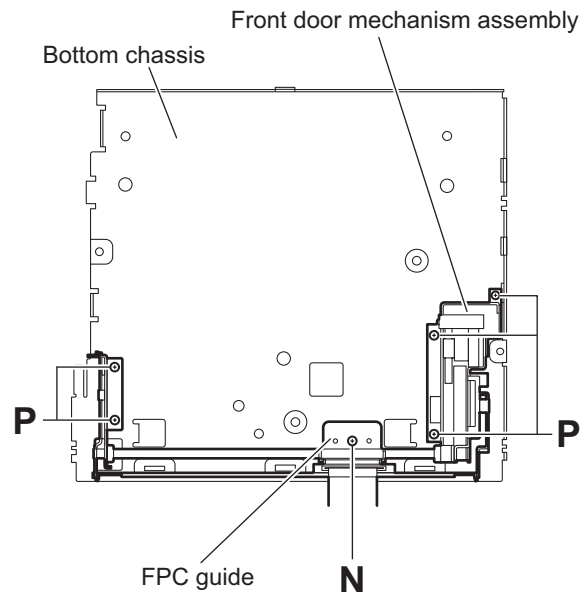


Fig.13

3.1.9 Removing the switch board (See Fig.14 to 16)

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

- (1) From the rear side of the front panel assembly, remove the five screws **Q** attaching the rear cover to the front panel assembly, (See Fig.14)
- (2) Release the nine joints **b** of the front panel assembly and remove the rear cover. (See Fig.15)
- (3) Take out the switch board from the front panel assembly. (See Fig.16)

Note:

When removing the rear cover assembly and switch board, be careful not to lose the spring.

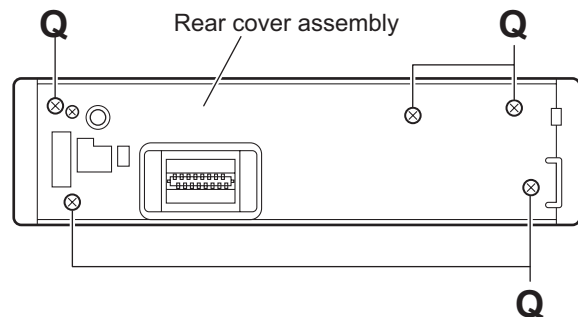


Fig.14

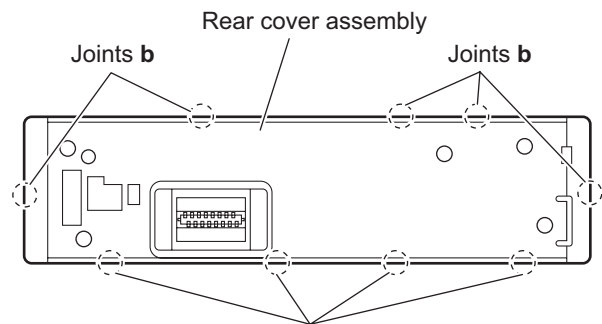


Fig.15

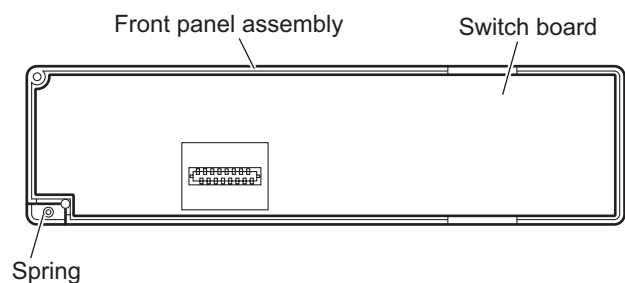


Fig.16

3.2 CD mechanism assembly section

- Remove the CD mechanism assembly from the main body.
(See "3.1.5 Removing the CD mechanism assembly".)

3.2.1 Removing the mechanism control board (See Fig.1)

- (1) From the bottom side of the CD mechanism assembly, solder the short sections on the flexible wire.

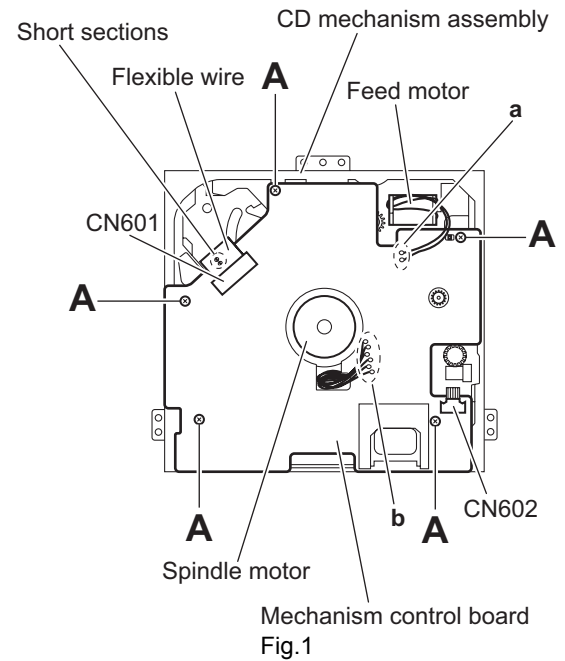
Caution:

Solder the short sections on the flexible wire before disconnecting the flexible wire from the connector [CN601](#) on the mechanism control board. If you do not follow this instruction, the CD pickup may be damaged.

- (2) Disconnect the flexible wire from the connector [CN601](#) on the mechanism control board.
- (3) Disconnect the flexible wire from the connector [CN602](#) on the mechanism control board.
- (4) Remove the solders from the soldered sections **a** on the mechanism control board and remove the wires of the feed motor.
- (5) Remove the solders from the soldered sections **b** on the mechanism control board, and remove each wire of the spindle motor and other parts.
- (6) Remove the five screws **A** attaching the mechanism control board.

Caution:

When reassembling, remove the solders from the short sections after connecting the flexible wire to the connector [CN601](#) on the mechanism control board.



3.2.2 Removing the top cover (See Fig.2)

- (1) From the back side of the CD mechanism assembly, remove the two screws **B** attaching the top cover.
- (2) Take out the top cover in an upward direction.

Reference:

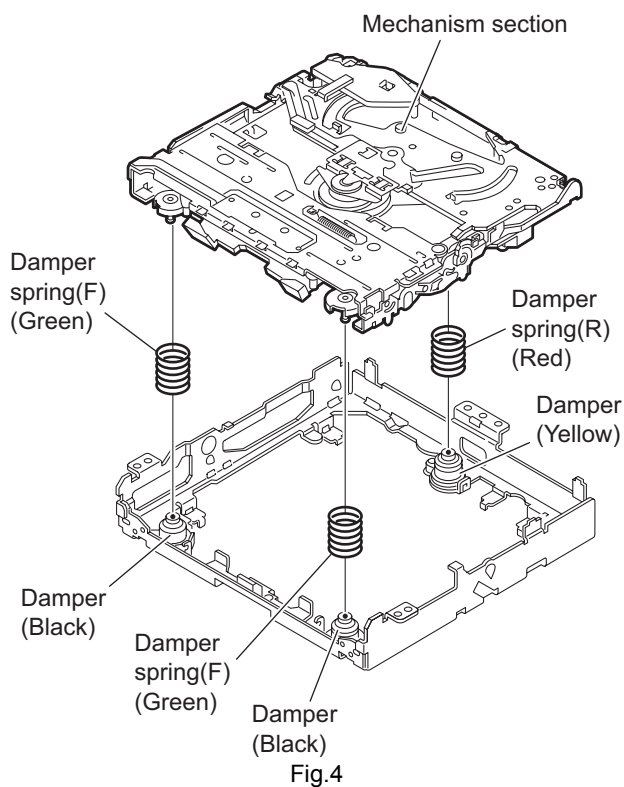
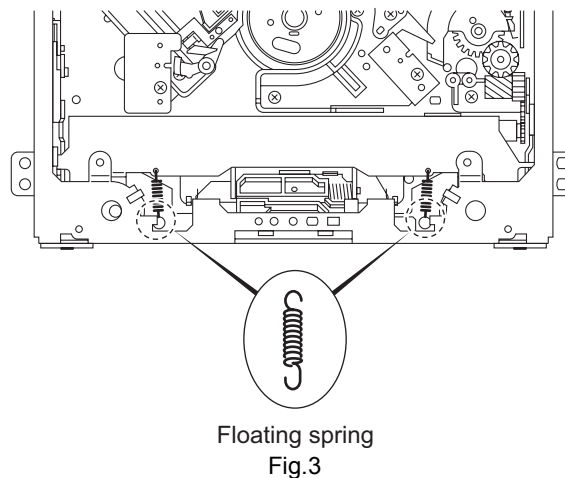
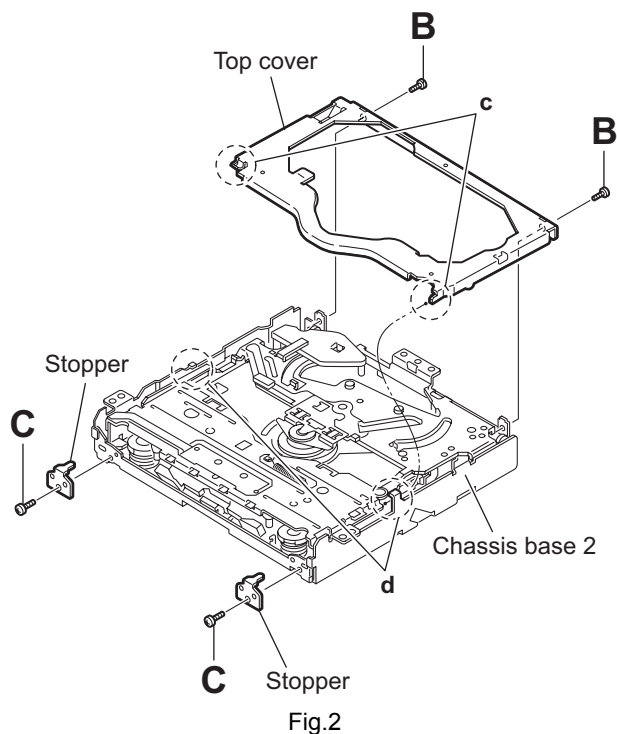
When attaching the top cover, set the sections **c** of the top cover under the bending sections **d** of the chassis base 2.

3.2.3 Removing the mechanism section (See Figs.2 to 4)

- Remove the mechanism control board and top cover.
 - (1) From the front side of the CD mechanism assembly, remove the two screws **C** attaching the right and left stoppers. (See Fig.2.)
 - (2) Remove the two floating springs on the bottom side of the CD mechanism assembly. (See Fig.3.)
 - (3) Take out the mechanism section in an upward direction and remove the three damper springs from the dampers. (See Fig.4.)

Caution:

- When reassembling the mechanism section, reattach the damper springs to the dampers respectively and insert the three shafts on the bottom of the mechanism section to the dampers. (See Fig.4.)
- Before inserting the shaft to the dampers, apply IPA to the hole of damper.



3.2.4 Removing the clamber unit

(See Figs.5 and 6)

- Remove the mechanism control board, top cover and mechanism section.
 - (1) From the bottom side of the mechanism section, remove the clamber 2 spring. (See Fig.5.)
 - (2) Release section **e** of the clamber spring from the bending section of the CD chassis assembly. (See Fig.6.)
 - (3) Move the clamber unit 2 in the direction of the arrow and release the joints (**f**, **g**). (See Fig.5.)
 - (4) Take out the clamber unit 2 in an upward direction. (See Fig.5.)

3.2.5 Reattaching the clamber unit

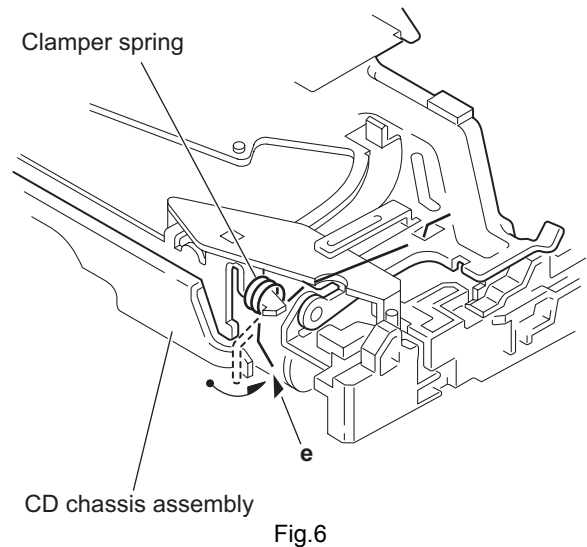
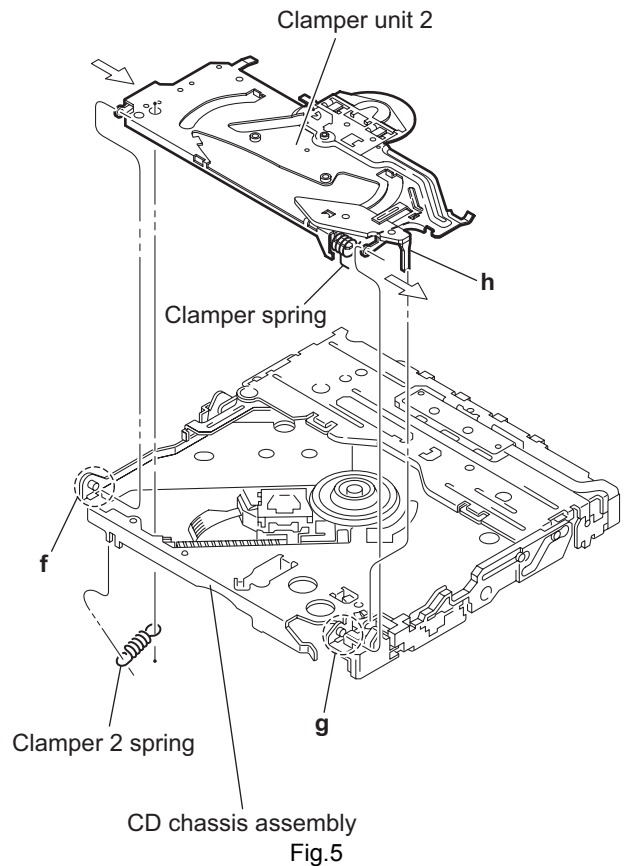
(See Figs.5 to 9)

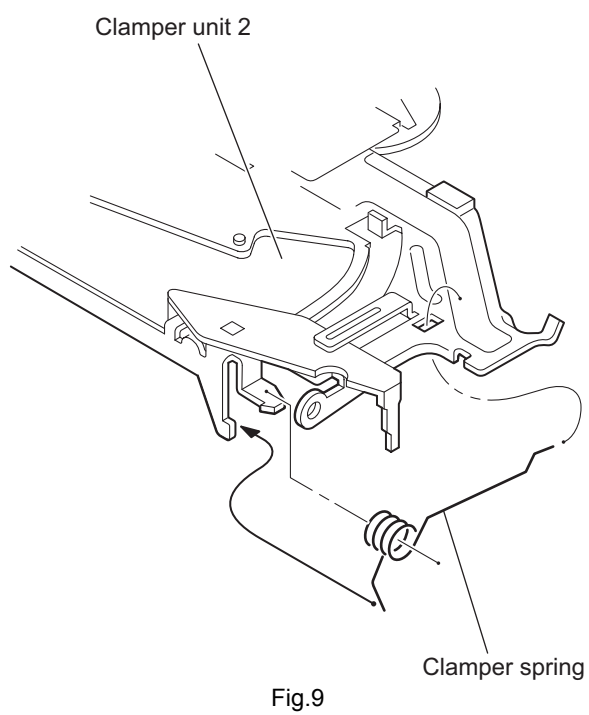
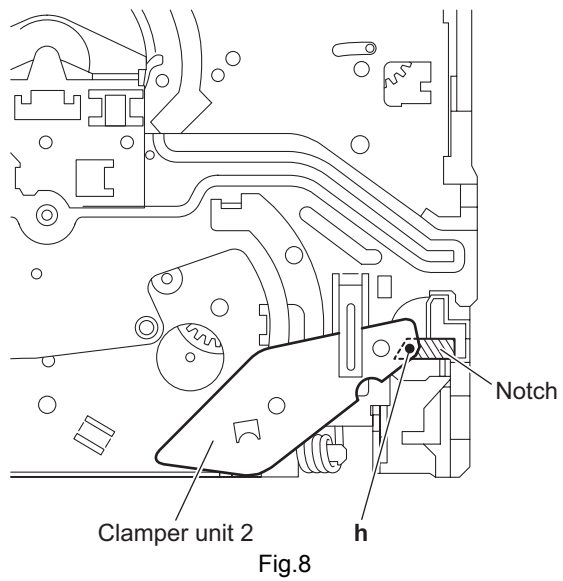
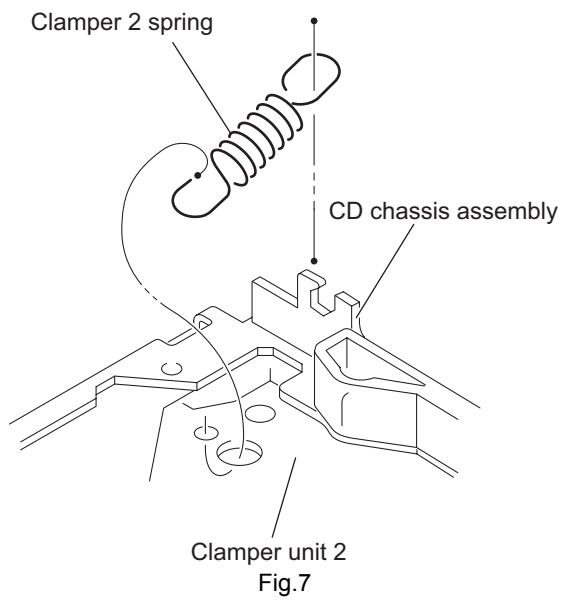
- (1) From the bottom side of the mechanism section, attach the clamber spring to the clamber unit 2. (See Figs.5 and 9.)
- (2) Move the clamber unit 2 to set the joints (**f**, **g**) to each projection of the CD chassis assembly. (See Fig.5.)
- (3) Make sure that section **h** of the clamber unit 2 is inserted to the notch of the CD chassis assembly. (See Figs.5 and 8.)
- (4) Move the clamber spring to the outside of the bending part of the CD chassis assembly. (See Fig.6.)

Caution:

When reattaching the clamber unit 2, temporarily hook the end of the clamber spring as shown in the figure to make the work easy. (See Fig.9.)

- (5) Attach the clamber 2 spring to the CD chassis assembly and clamber unit 2. (See Figs.5 and 7.)



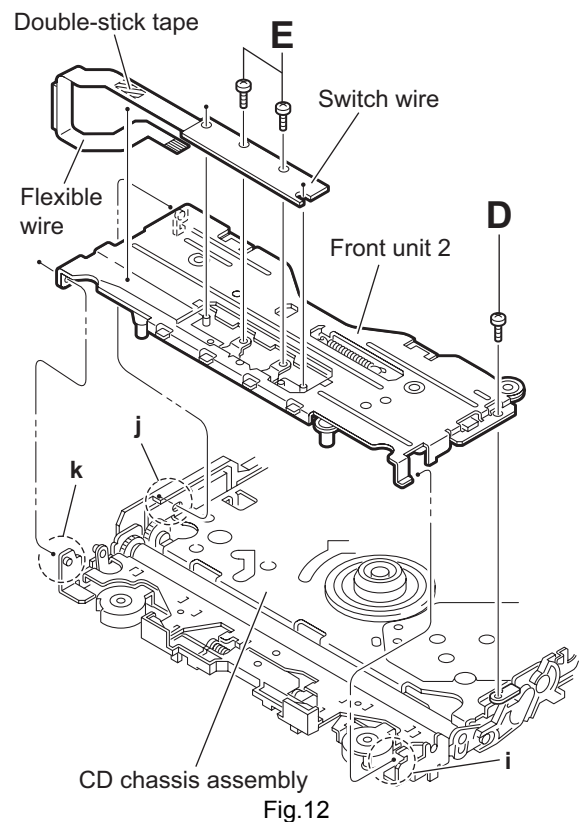
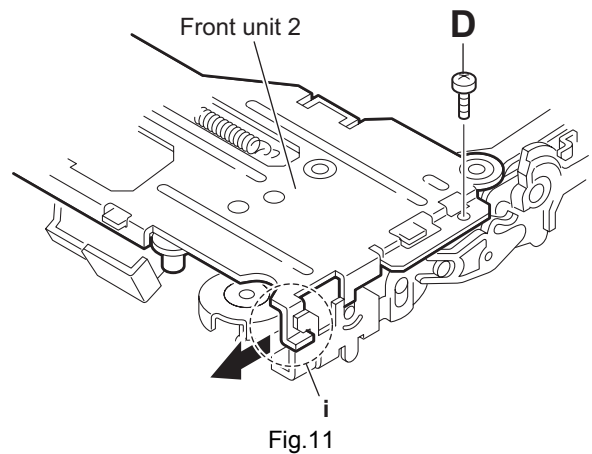
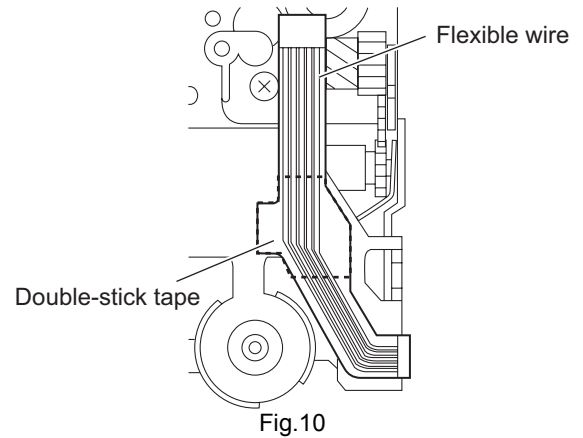


3.2.6 Removing the front unit (See Figs10 to 12)

- Remove the mechanism control board, top cover and mechanism section.
 - (1) From the bottom side of the mechanism section, remove the double-stick tape fixing the flexible wire. (See Fig.10.)
 - (2) From the top side of the mechanism section, remove the screw **D** attaching the front unit 2. (See Figs.11 and 12.)
 - (3) Move the front unit 2 toward the front to release the joint **i**. (See Figs.11 and 12.)
 - (4) Release two joints **j** and **k** on the right side of the CD chassis assembly. (See Fig.12.)
 - (5) Take out the front unit 2 in an upward direction.
 - (6) Remove the double-stick tape fixing the flexible wire and remove the two screws **E** attaching the switch wire. (See Fig.12.)

Reference:

You can remove the switch wire only without removing the front unit 2.



3.2.7 Removing the loading arm assembly (See Figs.13 and 14)

- Remove the mechanism control board, top cover, mechanism section and front unit 2.
 - (1) From top side of the mechanism section, move the loading arm assembly in the direction of the arrow. (See Fig.13.)
 - (2) Release the projections from the right and left joints (**m**, **n**) of the CD chassis assembly. (See Figs.13 and 14.)
 - (3) Release the projection from notch **p** of the connect arm on the right side of the mechanism section and release the projection from notch **q** of the slide cam assembly on the left side. (See Figs.13 and 14.)

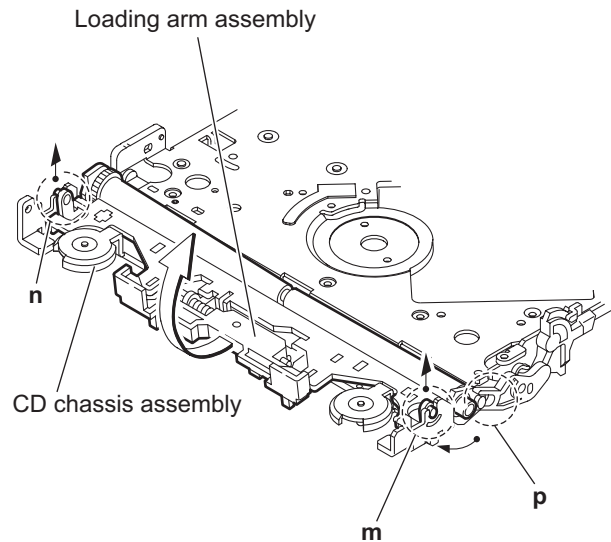


Fig.13

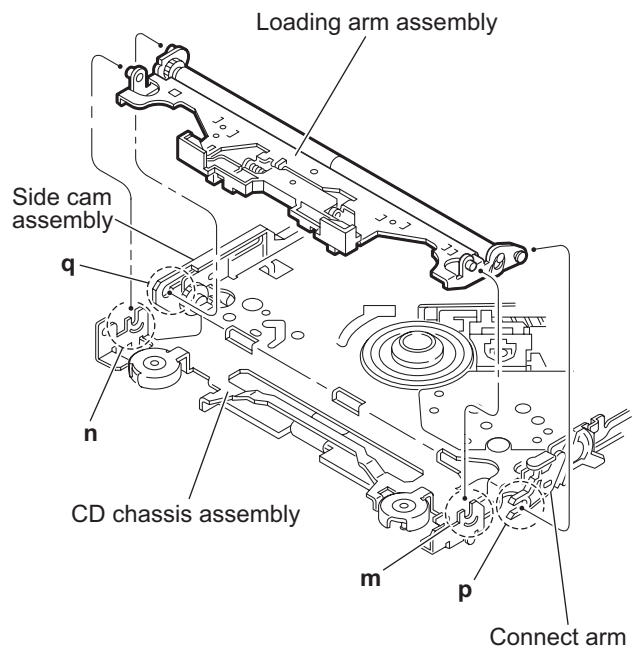


Fig.14

3.2.8 Removing the rod (L), rod (R) and roller assembly (See Figs.15 and 16)

- Remove the mechanism control board, top cover, mechanism section, front unit and loading arm assembly.
 - From the bottom side of the loading arm assembly, release the rod (L) and (R) from the joints *r*. (See Fig.15.)
 - Remove the roller assembly from the loading arm assembly. (See Fig.16.)
 - Remove the two collars and washer from the roller assembly. (See Fig.16.)

Caution:

After attaching the roller assembly to the loading arm assembly, attach the rod (L) and (R). Then attach the rods to the right and left collars of the roller assembly. (See Fig.15.)

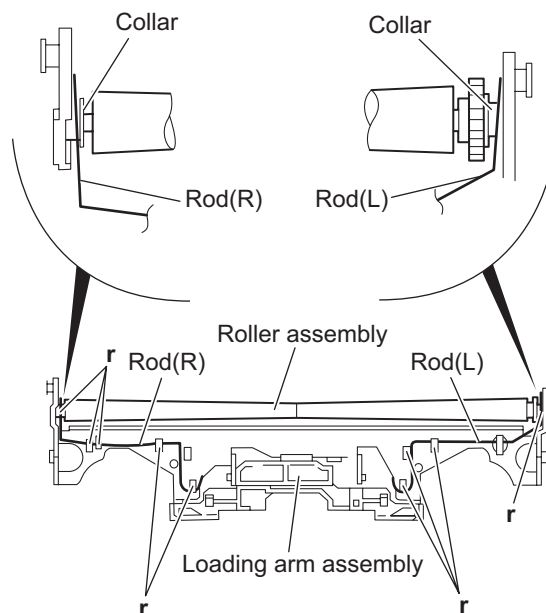


Fig.15

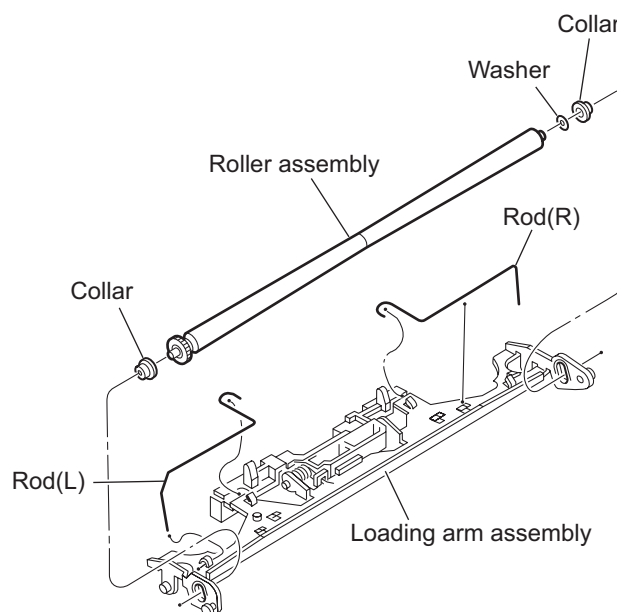


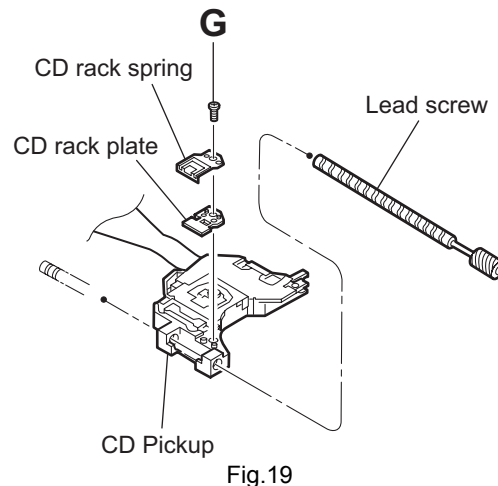
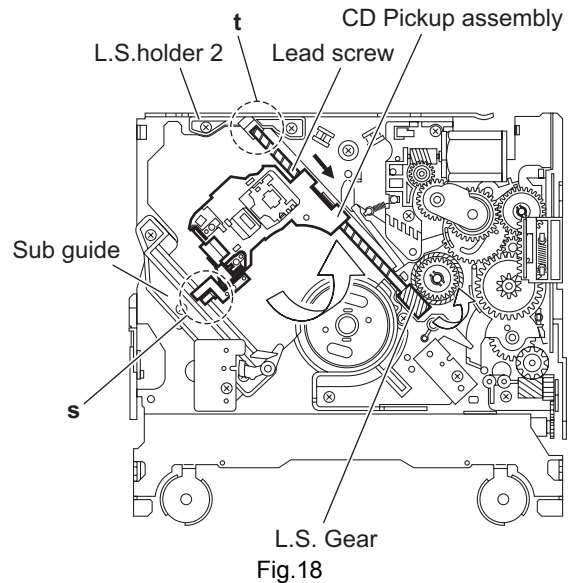
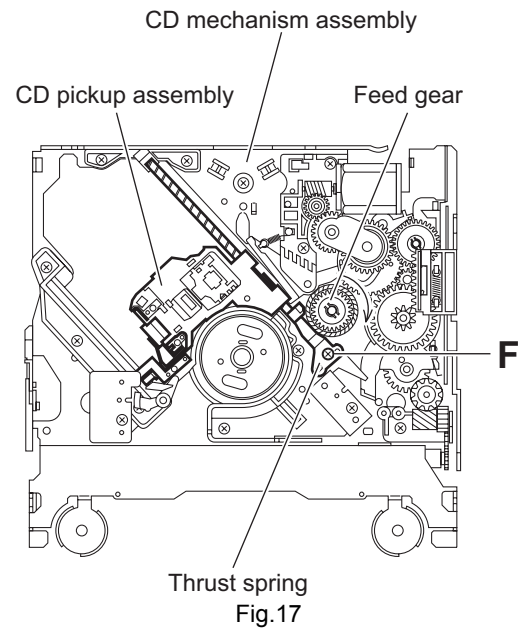
Fig.16

3.2.9 Removing the CD pickup (See Figs.17 to 19)

- Remove the mechanism control board.
 - (1) From the bottom side of the CD mechanism assembly, turn the feed gear in the direction of the arrow to move the CD pickup assembly outwards. (See Fig.17.)
 - (2) Remove the screw **F** and remove the thrust spring. (See Fig.17.)
 - (3) Remove the CD pickup assembly in an upward direction from the side of L.S. gear and release the CD pickup assembly from joint **s** of the sub guide. (See Fig.18.)
 - (4) Move the lead screw of the CD pickup assembly in the direction of the arrow to release at joint **t**. (See Fig.18.)
 - (5) Remove the screw **G** attaching the CD rack spring and CD rack plate on the CD pickup assembly. (See Fig.19.)
 - (6) Pull out the lead screw. (See Fig.19.)

Caution:

- When attaching the CD pickup assembly, attach the CD pickup assembly at joint **s** of sub guide first, and attach the lead screw to the joint **t** on the L.S.holder 2. (See Fig.18.)
- Perform electric adjustment after replacing the pickup.

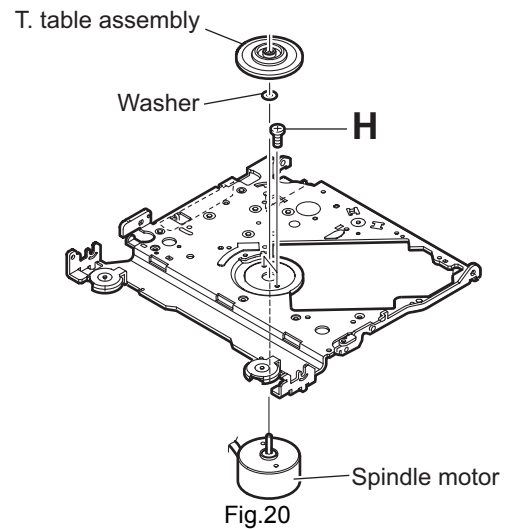


3.2.10 Removing the spindle motor (See Fig.20)

- Remove the mechanism control board, top cover, mechanism section and clamper unit.
 - From the top side of the mechanism section, remove the T.table assembly and washer from the spindle motor.
 - Remove the two screws **H** attaching the spindle motor.
 - Take out the spindle motor from the bottom side of the mechanism section.

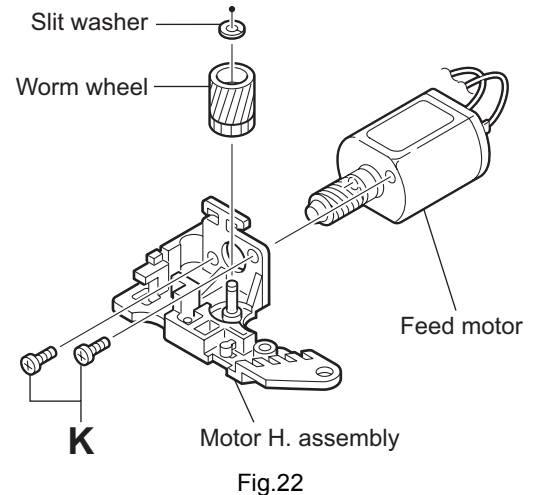
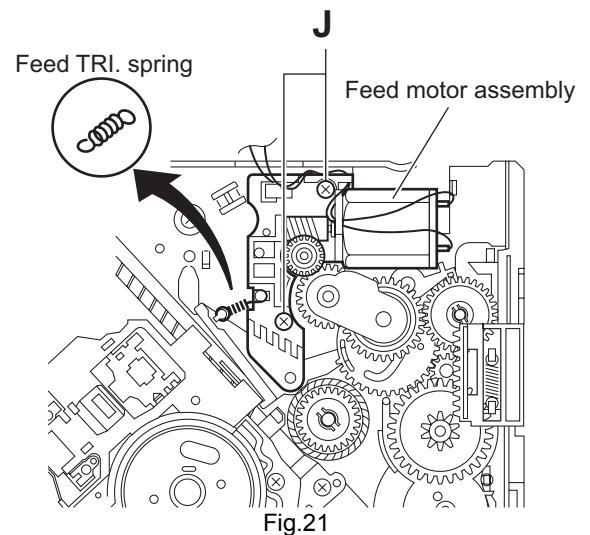
Caution:

Perform adjustment when reattaching the spindle motor.



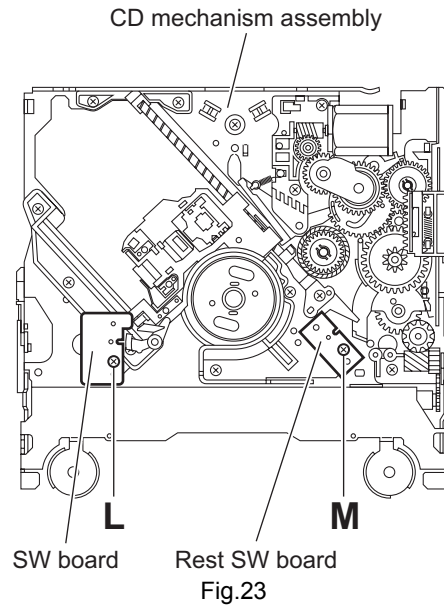
3.2.11 Removing the feed motor (See Figs.21 and 22)

- Remove the mechanism control board.
 - From the bottom side of the CD mechanism assembly, remove the feed TRI. spring. (See Fig.21.)
 - Remove the two screws **J** attaching the feed motor assembly. (See Fig.21.)
 - Remove the slit washer from the motor H. assembly and pull out the worm wheel. (See Fig.22.)
 - Remove the two screws **K** attaching the feed motor. (See Fig.22.)



3.2.12 Removing the SW board and rest SW board (See Fig.23)

- Remove the mechanism control board.
 - From the bottom side of the CD mechanism assembly, remove the screw **L** attaching the SW board.
 - Remove the screw **M** attaching the rest SW board.



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
EXTDV001-20P × 1

■ Standard volume position

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

■ How to connect the extension cable for adjusting

Caution:

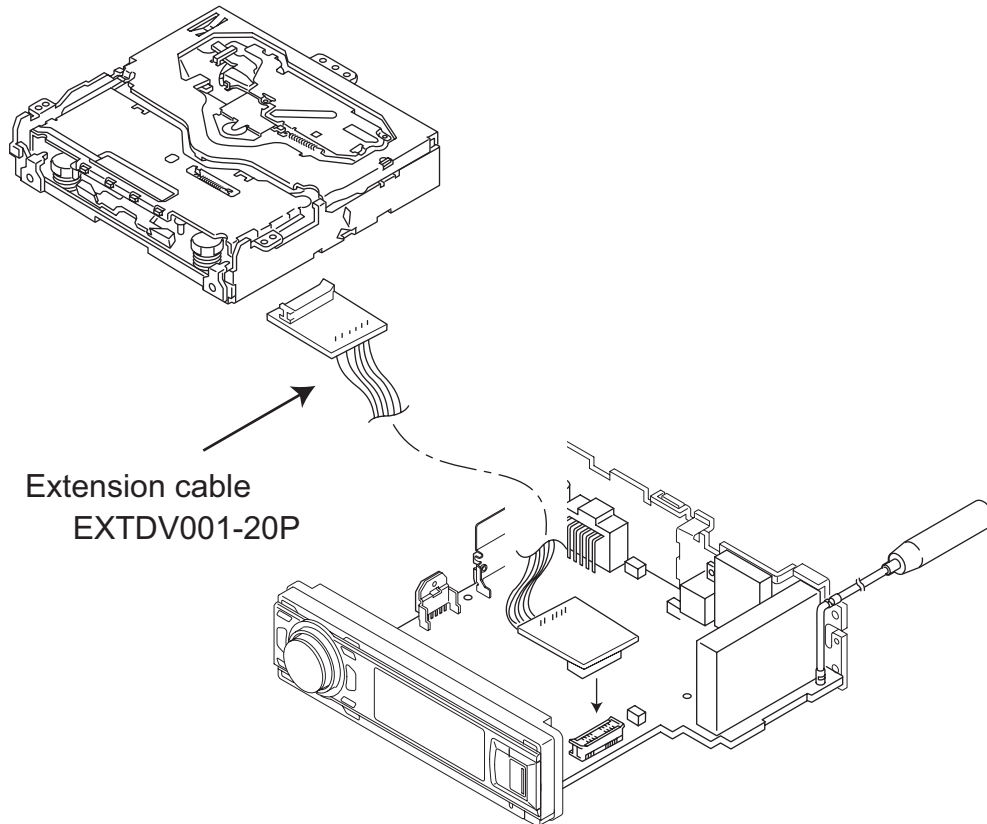
Be sure to attach the heat sink and rear bracket onto the power amplifier IC and regulator IC respectively, before supply the power.
If voltage is applied without attaching these parts, the power amplifier IC and regulator IC will be destroyed by heat.

■ Standard measuring conditions

Power supply voltage	DC14.4V(11 to 16V)
Load impedance	20K Ω (2 Speakers connection)
Output Level	Line out 2.5V (Vol. MAX)

■ Dummy load

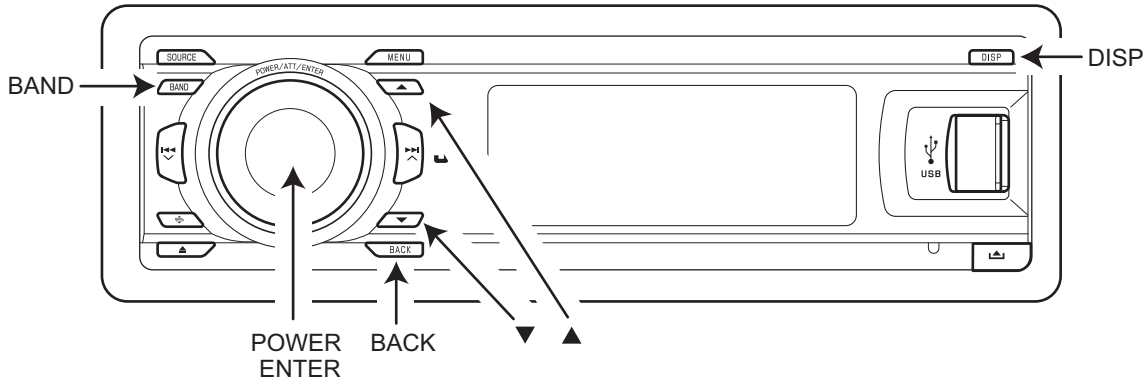
Exclusive dummy load should be used for AM, and FM. For FM dummy load, there is a loss of 6dB between SSG output and antenna input. The loss of 6dB need not be considered since direct reading of figures are applied in this working standard.



4.2 Service mode

4.2.1 Service mode setting

- (1) Push POWER button (Power ON)
- (2) Set to service mode
By pushing and holding "DISP" button and "BAND" button sequentially.
- (3) Select the menu with "▲" or "▼" button and decide it with "ENTER" button.
- (4) When the "BACK" button is pushed, it returns to the former menu.



Service mode (MENU)

Service Mode
Running Mode
Data Clear
ROM Correction
DSP Tuner S Mode
DSP Tuner Adjust

Service mode

T***-T***_**
M R*** RC V***
CD V*** CH V***

Ver
USB V***
IPOD V***

Error Read
OK: Function

CD Error Read
CH Erroe Read
Panel Error Read
A.DSP Error Read
T.DSP Error Read

CD Error Read
CH Error Read
PANEL Error Read

Total Error : ****

E1 *****

E2 *****

E3 *****

1 *****

2 *****

3 *****

4 *****

5 *****

A.DSP Error Read

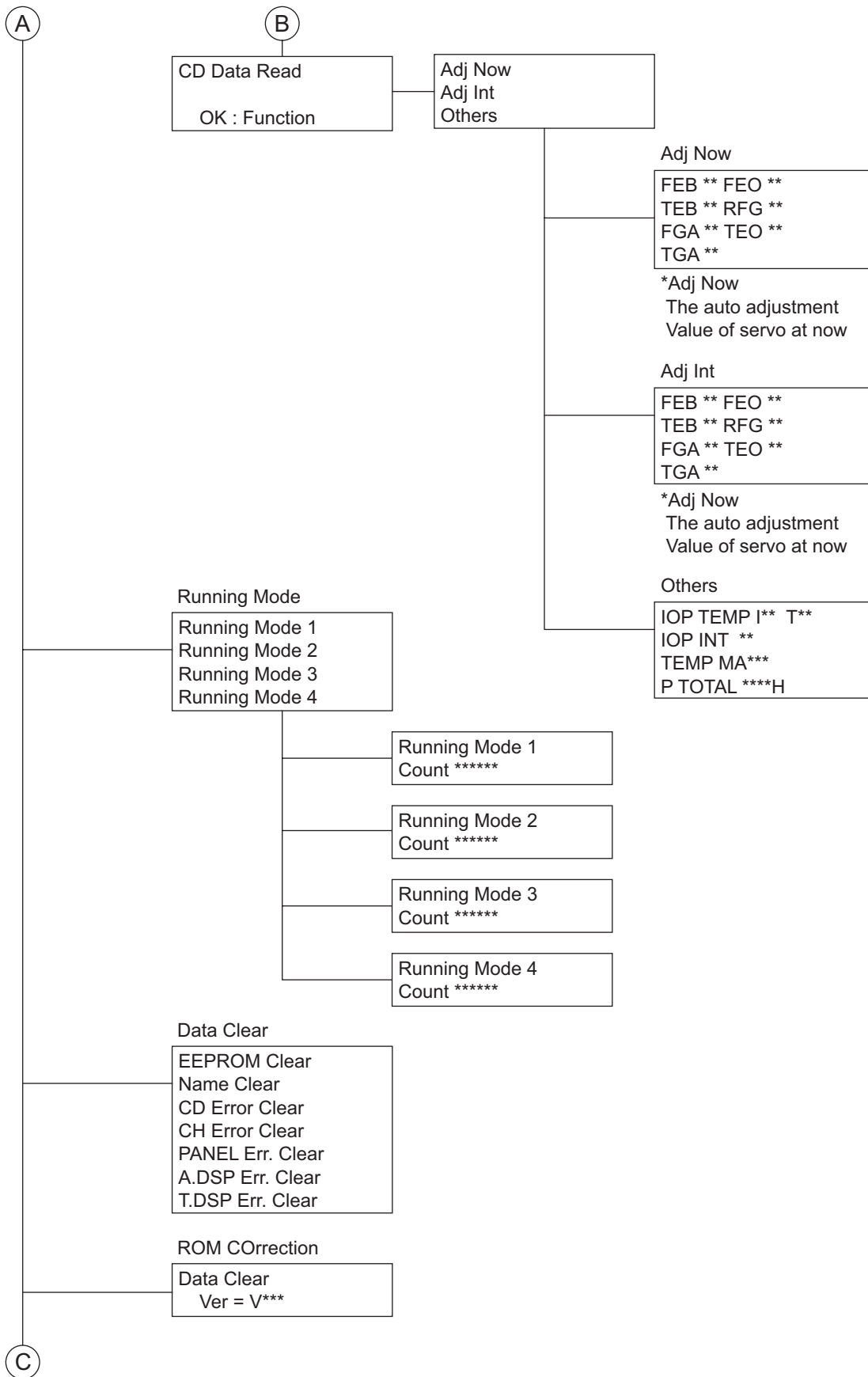
T.DSP Error Read

Retry Total ***

Retry NG Total ***

A

B



C

DSP Tuner S Mode

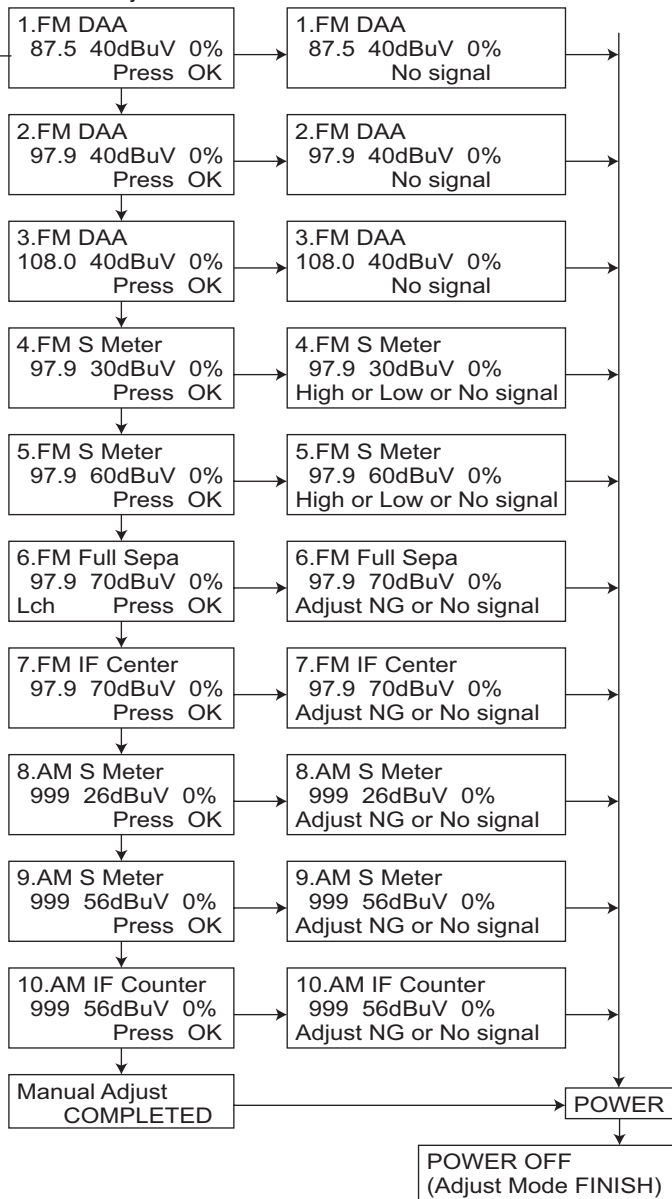
```
V=R***   SPI=****
PI=****   ** **
SM=**%   PTY=**
NO PS    MP=**%
TP/TA=*/
Adj=**%
MS/DI=*/
BW=*
IF Count :*****
AF
** **
** **
** **
AF ** ** MF **
PI=****
SM=**%   SM=**%
MP=**%   MP=**%
A,J=**%  A,J=**%
** **
** **
** **
** **
```

DSP Tuner Adjust

Auto Adjust
Manual Adjust

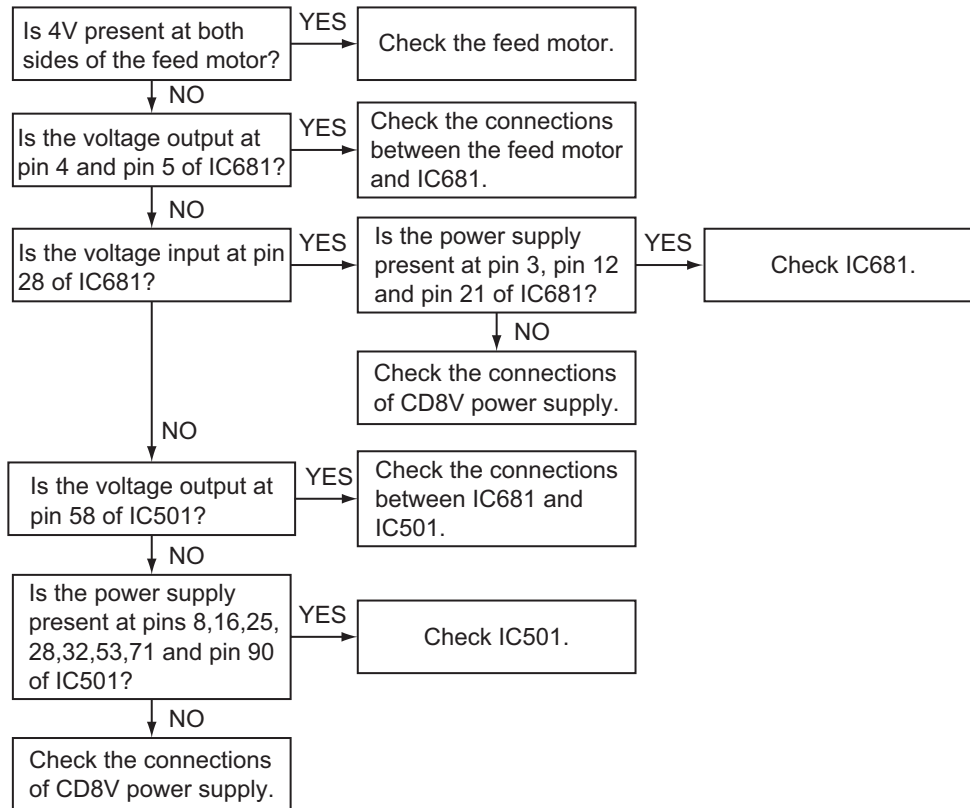
Auto Adjust ----- Only the factory setup. No use.

Manual Adjust

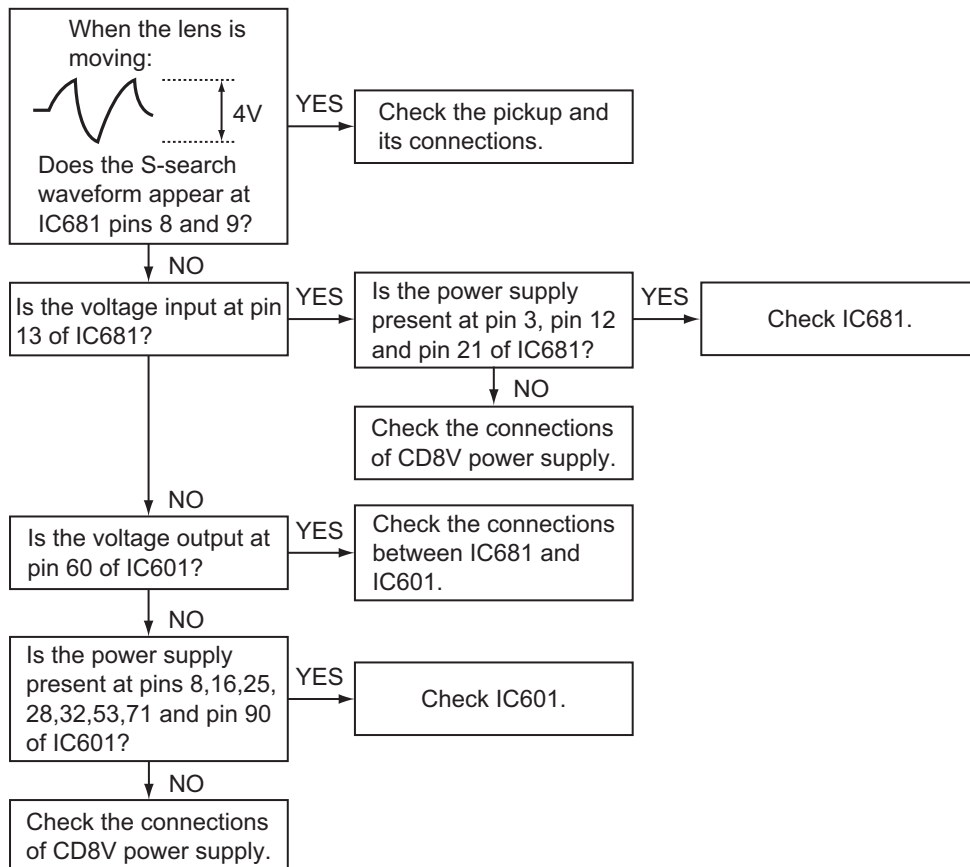


SECTION 5 TROUBLESHOOTING

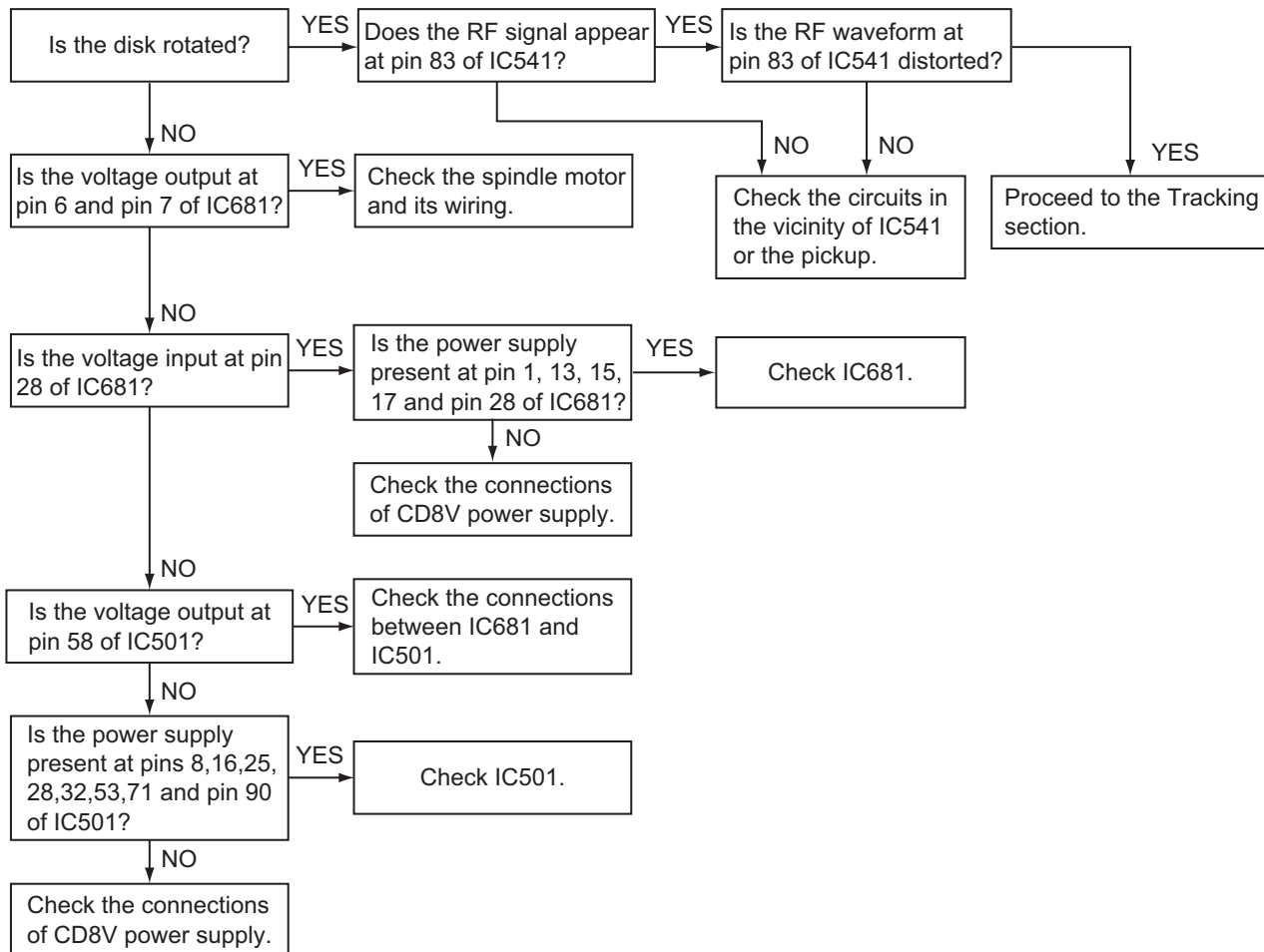
5.1 Feed section



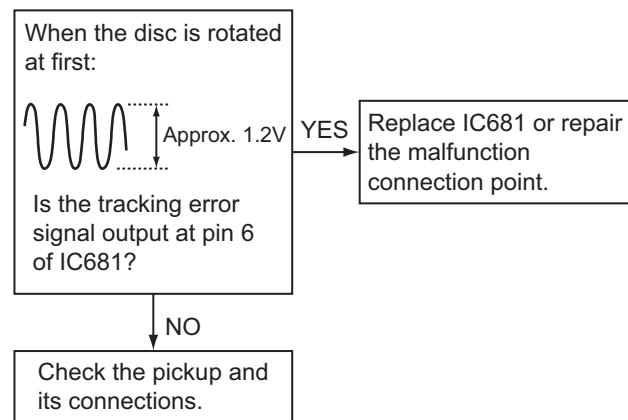
5.2 Focus section



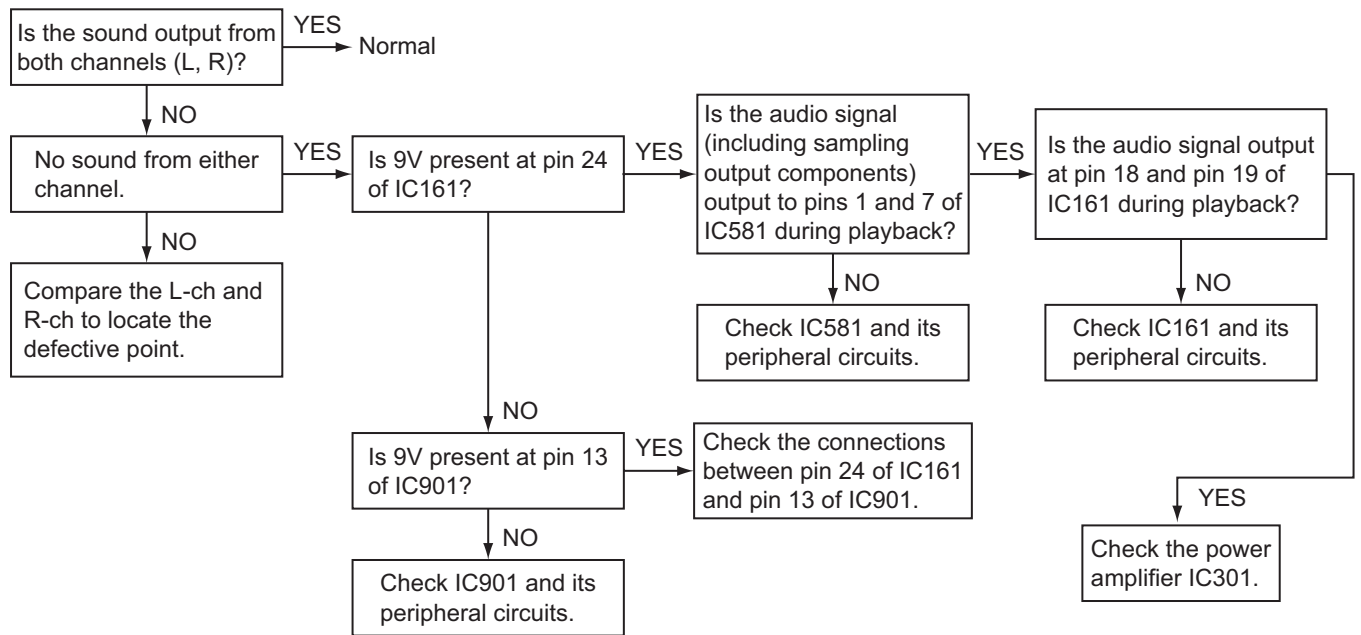
5.3 Spindle section



5.4 Tracking section

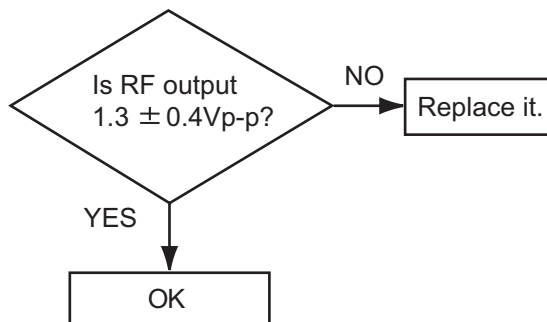


5.5 Signal processing section



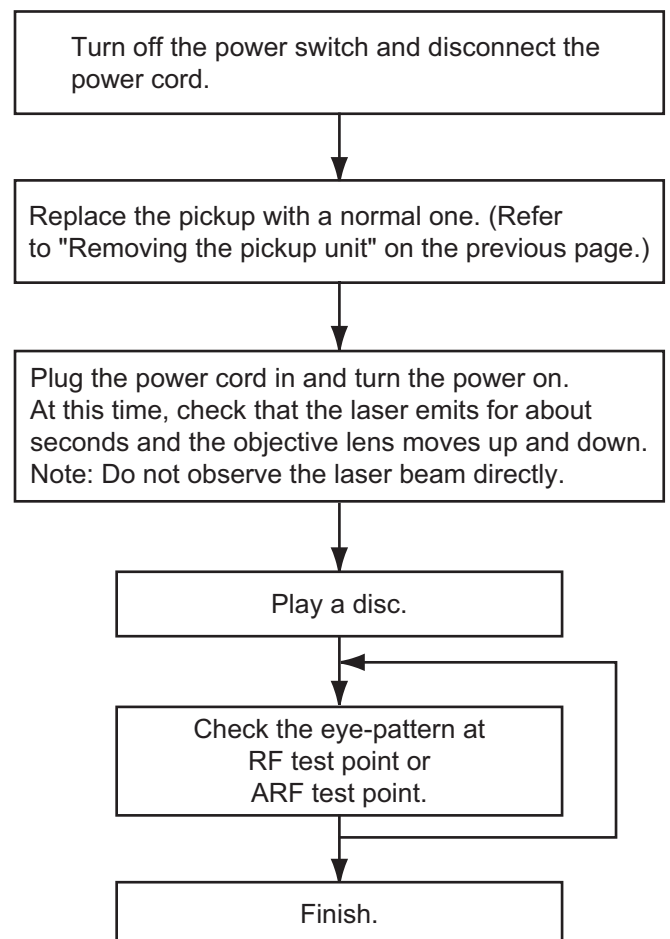
5.6 Maintenance of laser pickup

- (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.

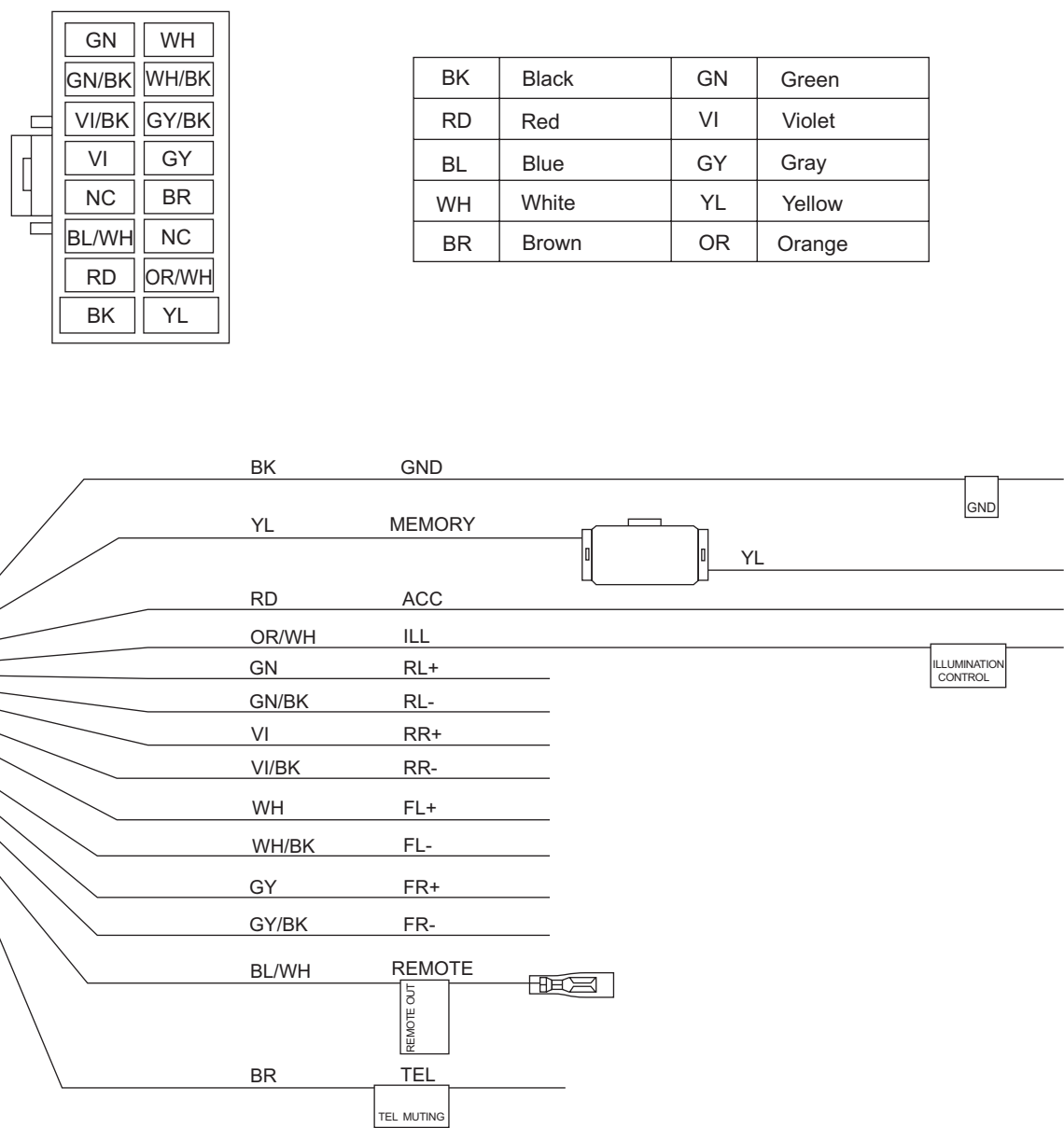


- (3) Semi-fixed resistor on the APC PC board
The semi-fixed resistor on the APC printed circuit board which is attached to the pickup is used to adjust the laser power. Since this adjustment should be performed to match the characteristics of the whole optical block, do not touch the semi-fixed resistor.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

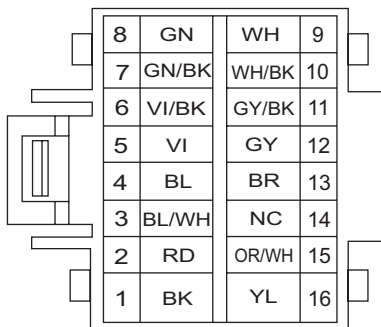


5.8 16PIN CORD DIAGRAM (for northern america)

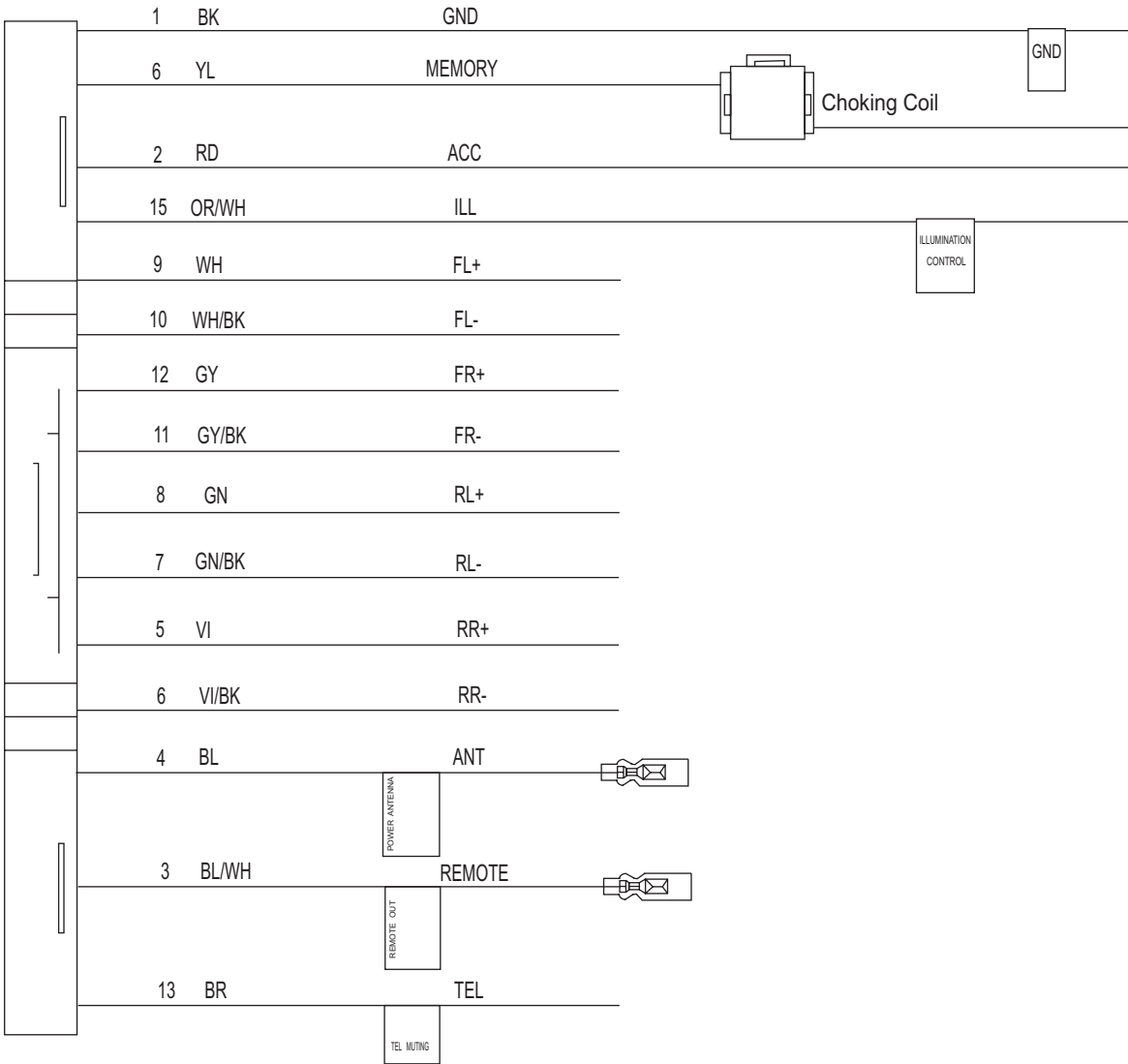


RR	Rear Right	ACC	ACC Line
FR	Front Right	TEL	Telephone Muting
FL	Front Left	GND	Ground
RL	Rear Left	MEMORY	Memory Backup Battery+
REMOTE	Remote out	ILL	Illuminations Control

5.9 16P CORD DIAGRAM (for asia)

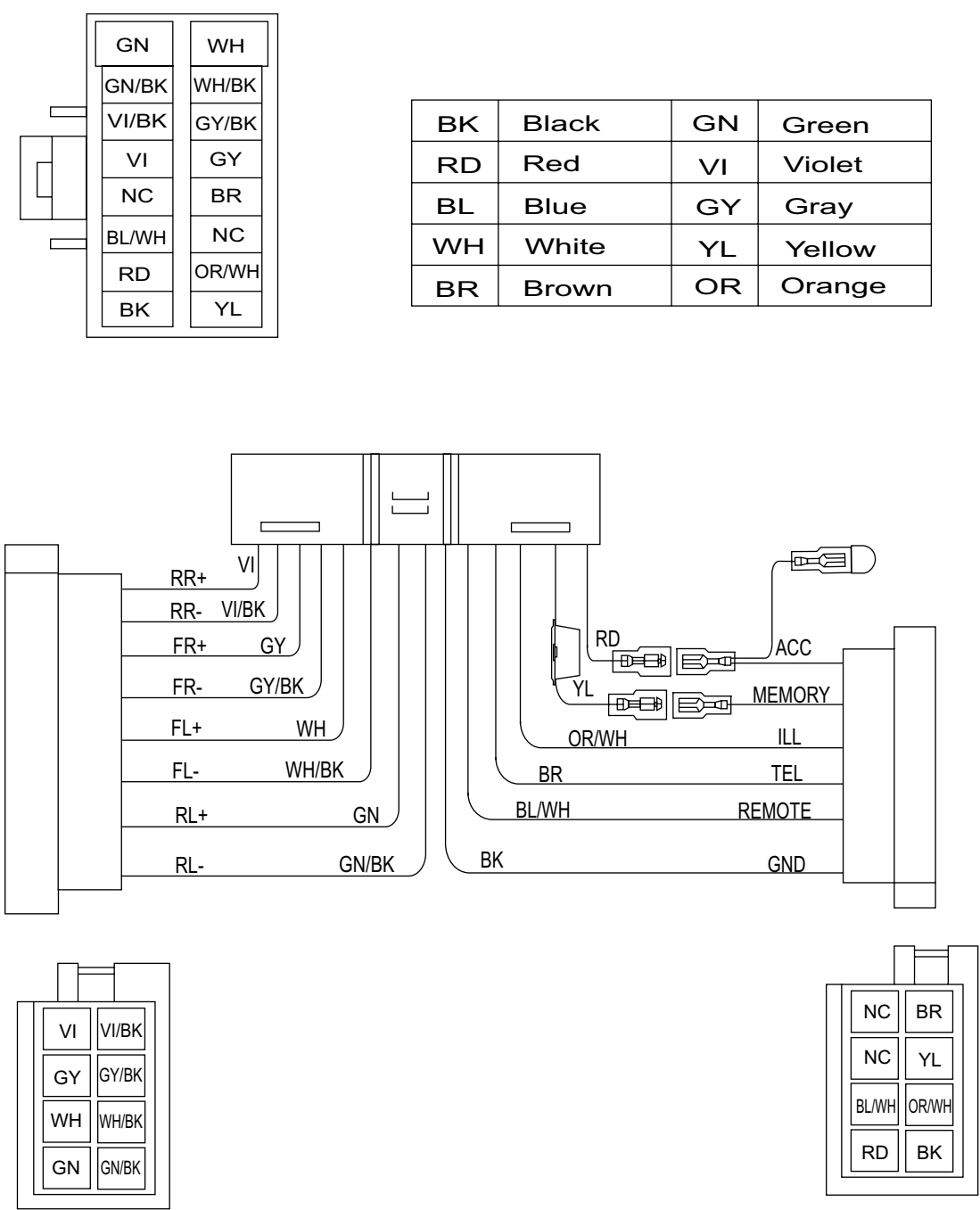


BK	Black	GN	Green
RD	Red	VI	Violet
BL	Blue	GY	Gray
WH	White	YL	Yellow
BR	Brown	OR	Orange



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

5.10 16 PIN CORD DIAGRAM (for europe)



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



Victor Company of Japan, Limited
Mobile Entertainment Business Group Mobile Entertainment Category 10-1,1chome,Ohwatari-machi,Maebashi-city,Gumma-ken, 371-8543,Japan

(No.MA255)



Printed in Japan
VPT

JVC

SCHEMATIC DIAGRAMS

CD RECEIVER

**KD-SH1000J,KD-SH1000E,KD-SH1000EX
KD-SH1000EY,KD-SH1000EU,KD-SH1000U
KD-SH1000UN,KD-SH1000UT,KD-SH1000UH**

CD-ROM No.SML200603



Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

Contents

Block diagram	2-1
Standard schematic diagrams	2-3
Printed circuit boards	2-15 to 17

Safety precaution



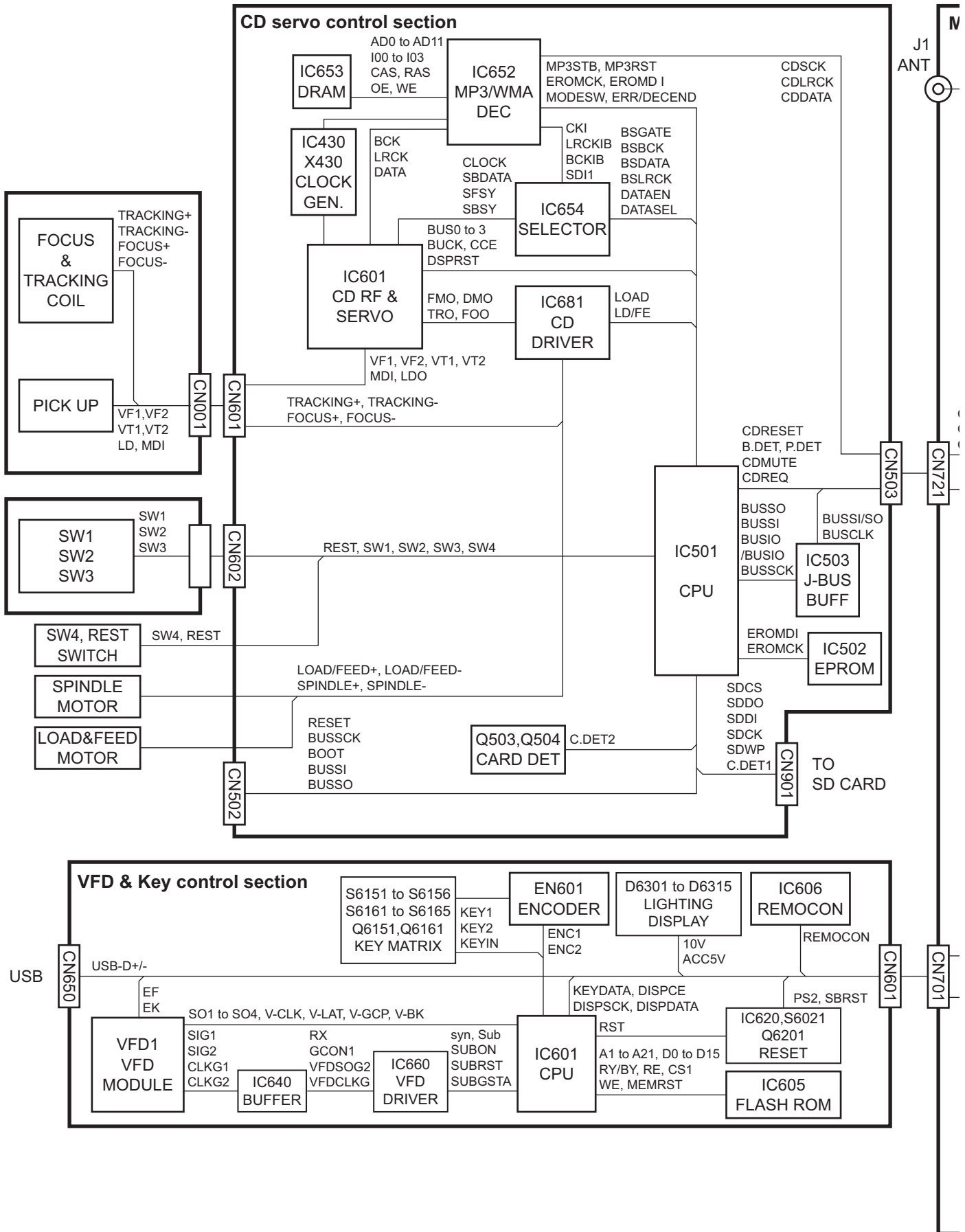
CAUTION Burrs formed during molding may be left over on some parts of the chassis. Therefore, pay attention to such burrs in the case of performing repair of this system.

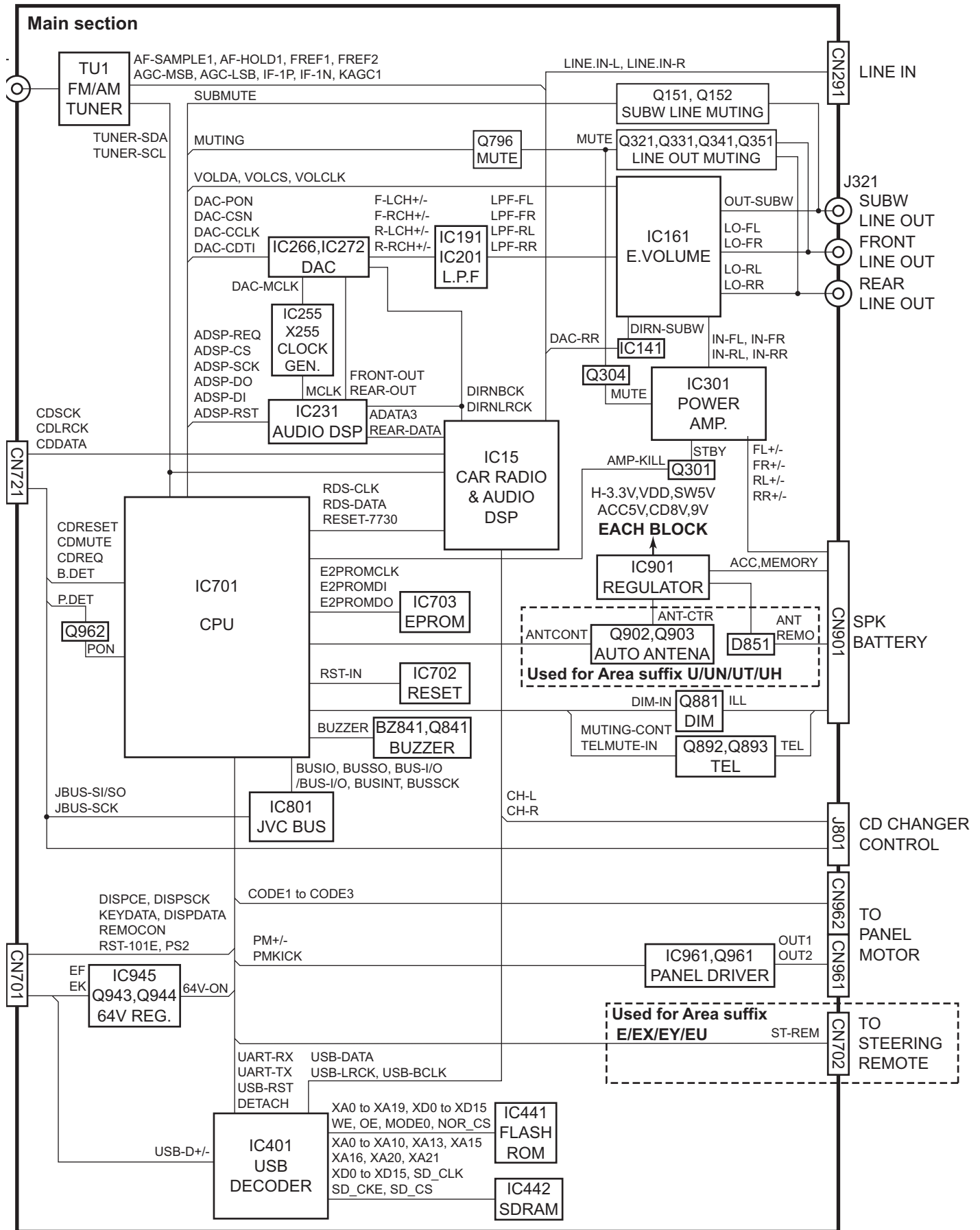


CAUTION Please use enough caution not to see the beam directly or touch it in case of an adjustment or operation check.

< MEMO >

Block diagram

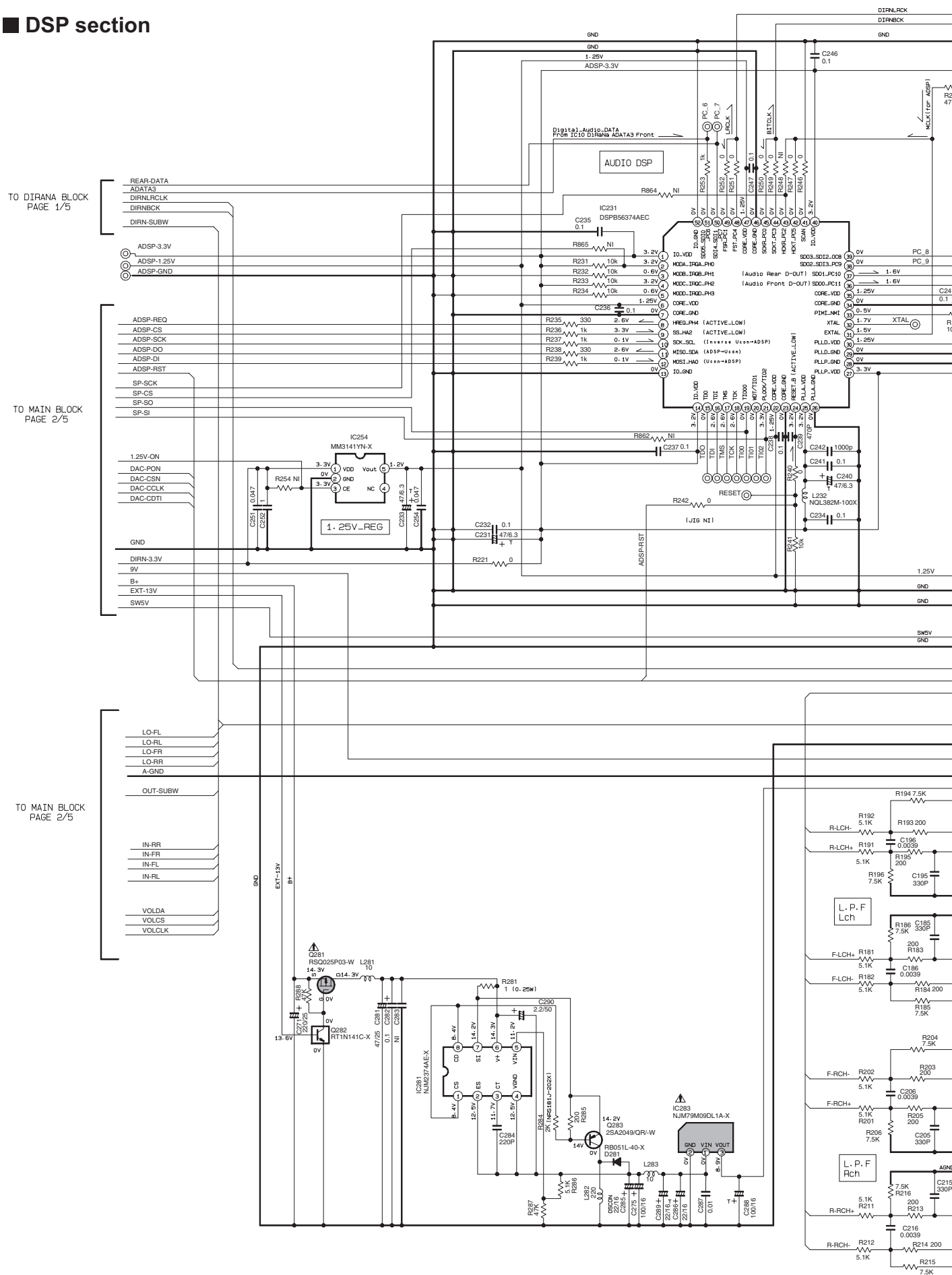




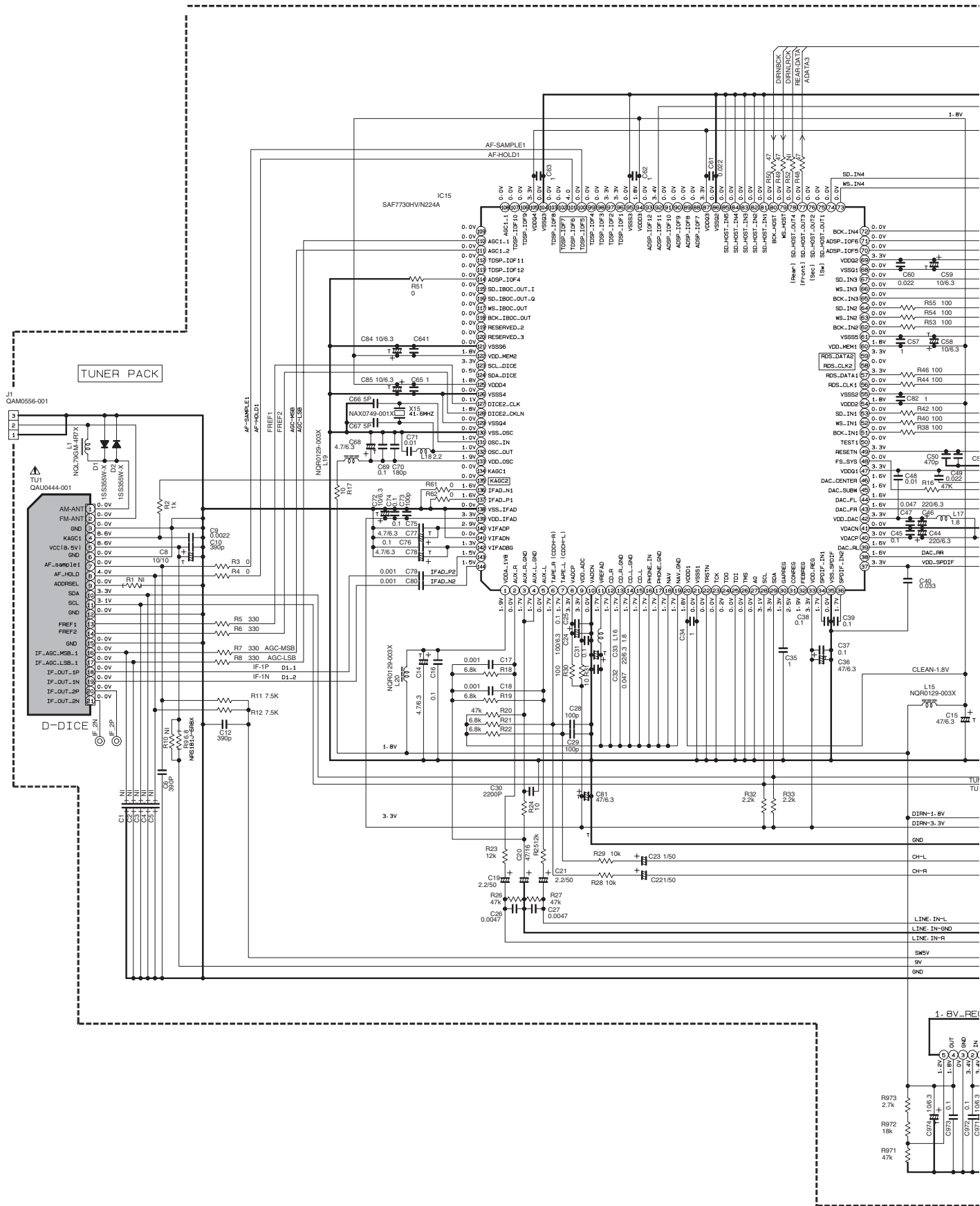
■ Main section

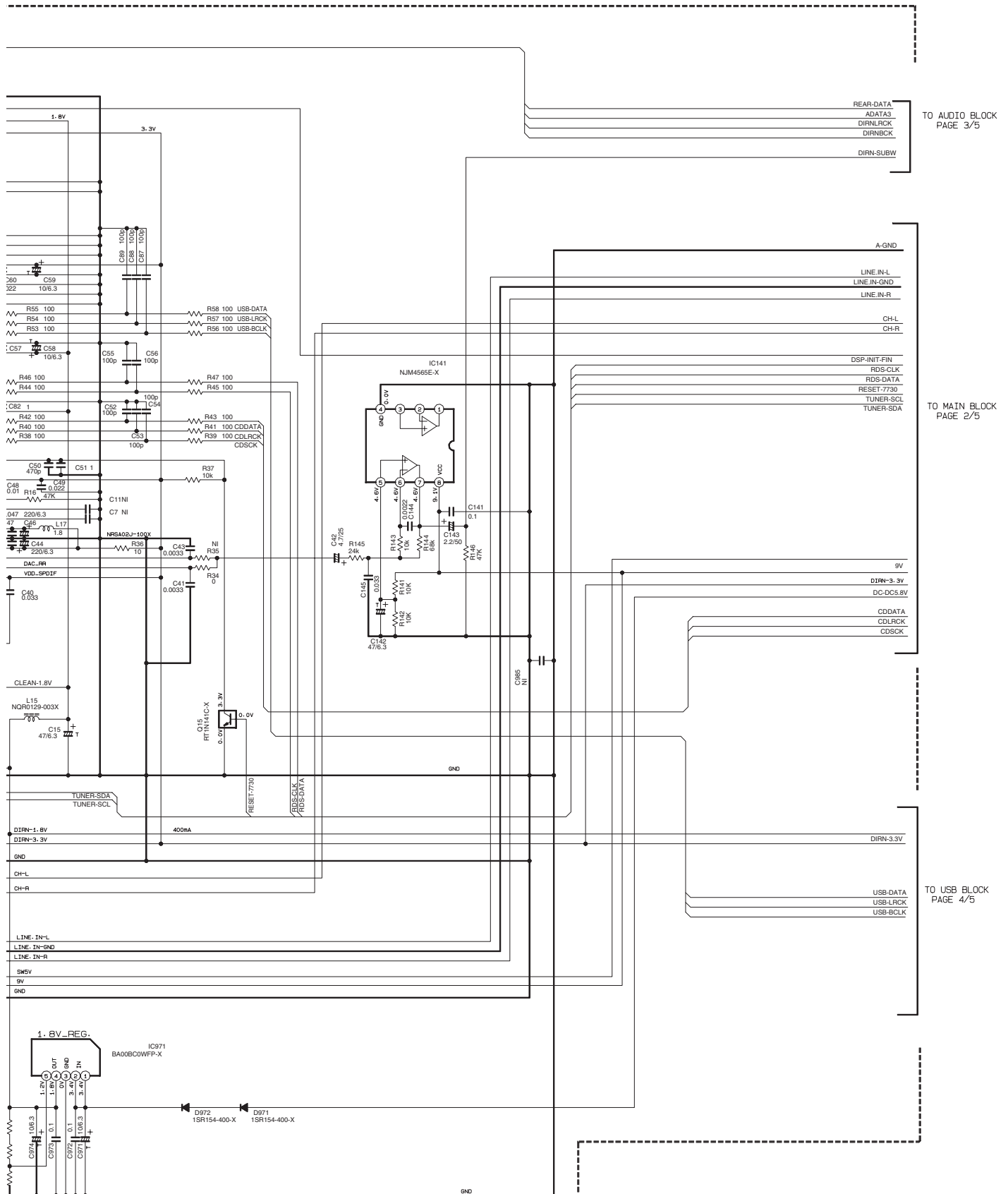


■ DSP section



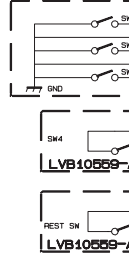
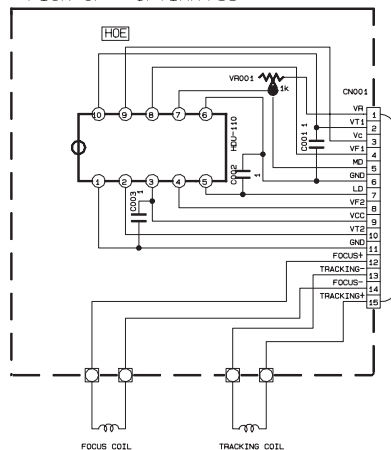
■ Tuner section





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

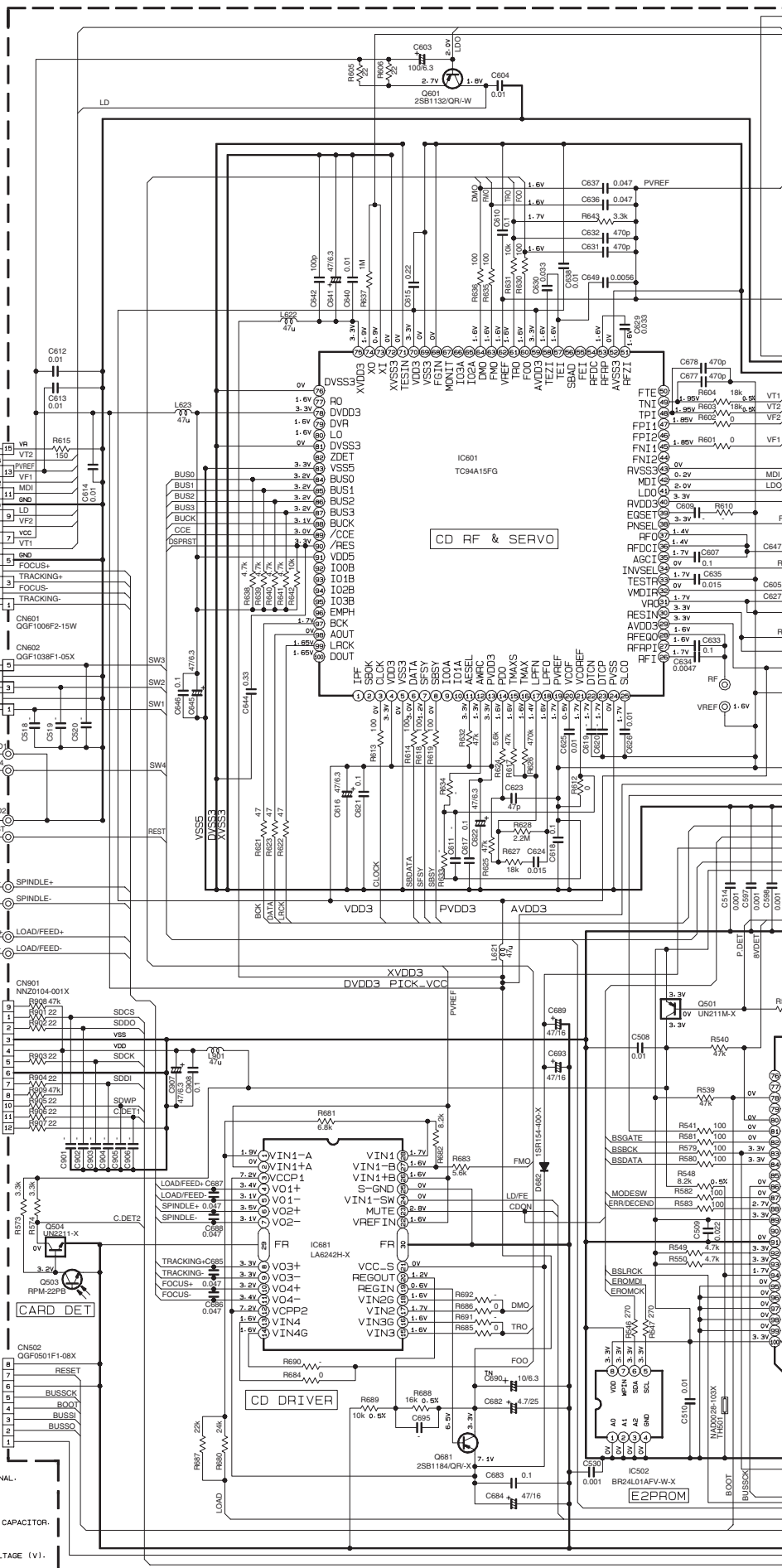
■ CD servo control section



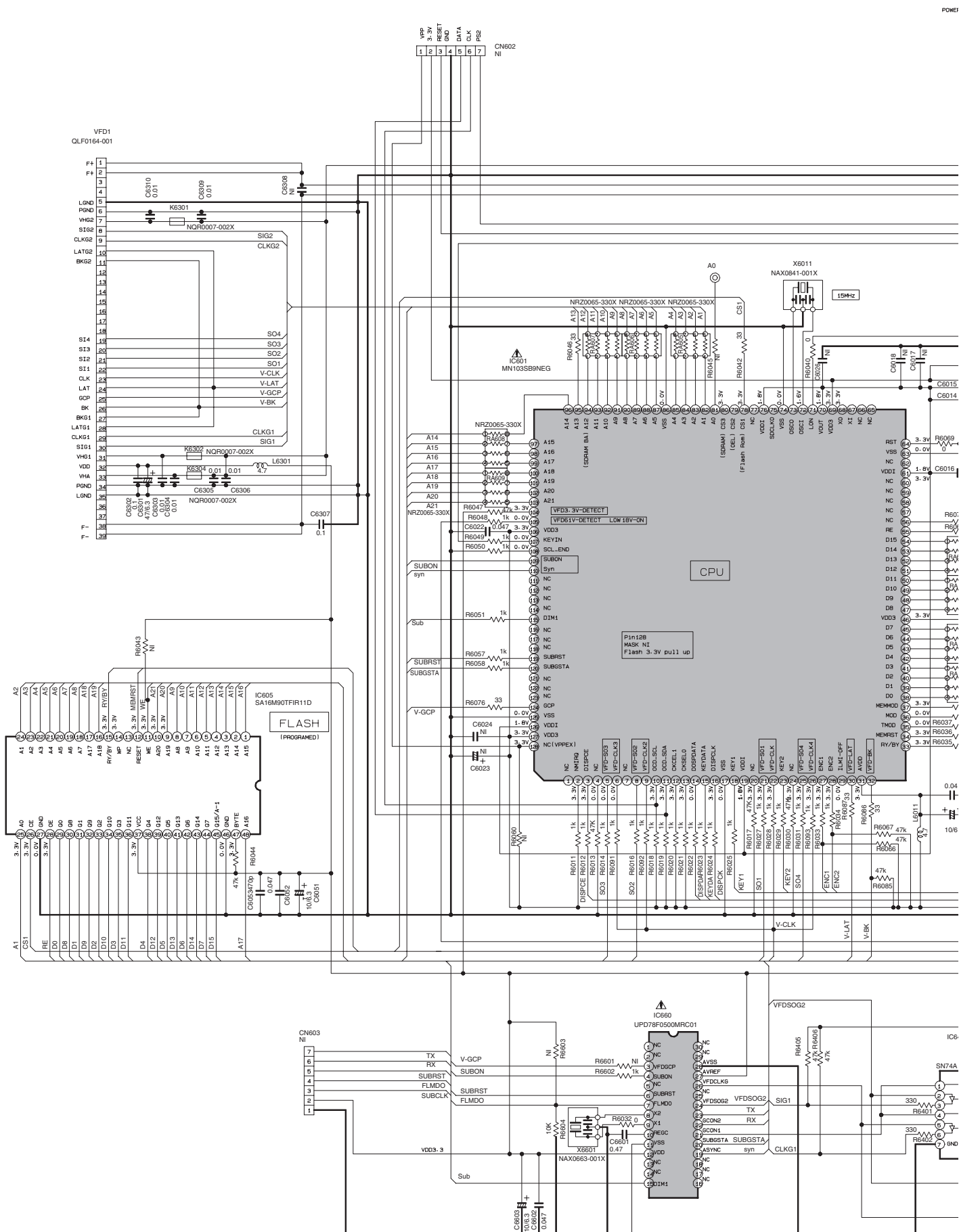
	FNU-JC3-11 [ANALOG OUT]	FNU-JC3-1 [DIGITAL OUT]
CN501	Q082027L1-26X	
CN503		Q082027L5-20X
R527	NI	
R528	47k	
R535-536-537	100	
R401	25A1037AK/IV-X	NI
R402	UN211-X	
R401	47k	NI
R402	2-2k	NI
L431	1-8u	NI
R434	NI	0
R435	0	NI
IC401	PCM1753-X	
IC410	NUM4580V-X	
L402	47u	NI
R408-409	82	NI
R411-412	24k	NI
R413-414	12k	NI
R415-416	30k	NI
R417-418	47k	NI
R419-420-421-422	10k	NI
C403	0.1	NI
C404	220/6.3	NI
C405	100/6.3	NI
C406-407	0.012	NI
C411-412	100p	NI
C413-414	B20p	NI
C415-416-419-420	4.7/6.3	NI
C417-418	120p	NI
C421-422	47/6.3	NI
C423	47/16	NI
R593	4.7	0
C595	0.047	NI
C596	100p	NI
R654	39	NI
R654-565-566	NI	100

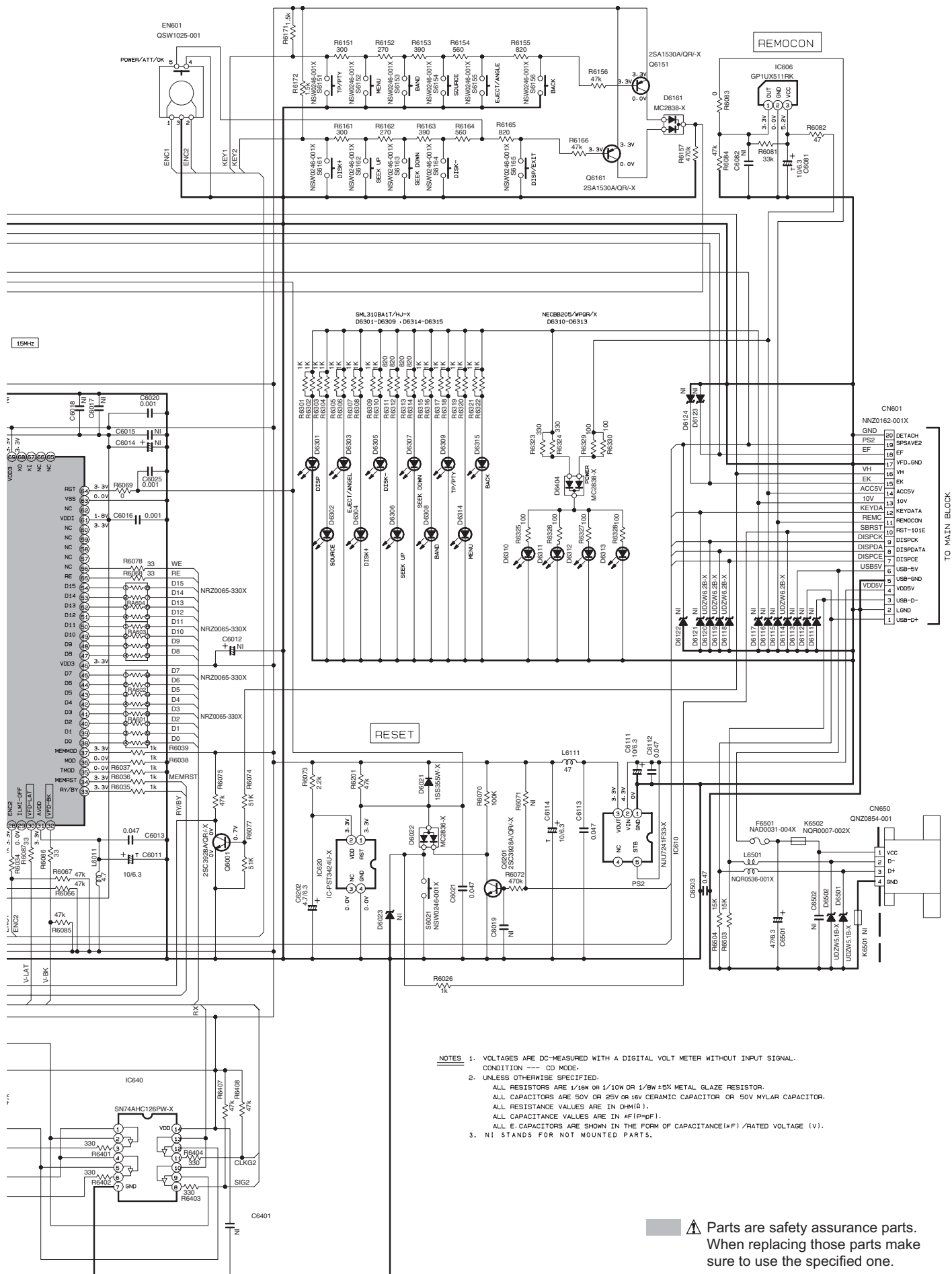
NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER WITHOUT INPUT SIGNAL.
CONDITION --- GO CODE.
2. UNLESS OTHERWISE SPECIFIED.
- ALL RESISTORS ARE 1/16W OR 1/10W OR 1/8W±5% METAL GLAZE RESISTOR.
 - ALL CAPACITORS ARE 50V OR 25V OR 16V CERAMIC CAPACITOR OR 50V MYLAR CAPACITOR.
 - ALL RESISTANCE VALUES ARE IN OHM(Ω).
 - ALL CAPACITANCE VALUES ARE IN μF(PpF).
 - ALL E-CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(μF)/RATED VOLTAGE (V).

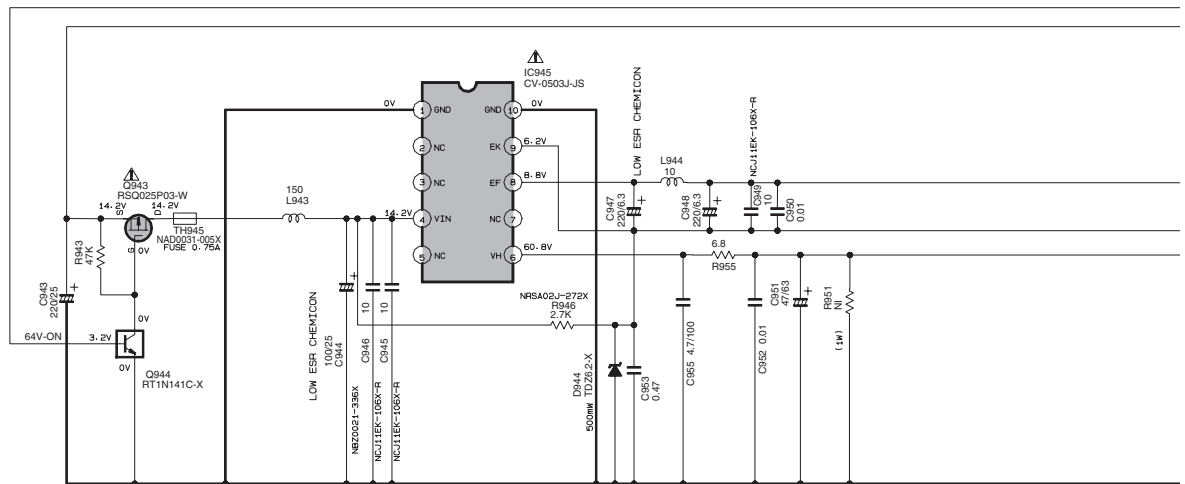
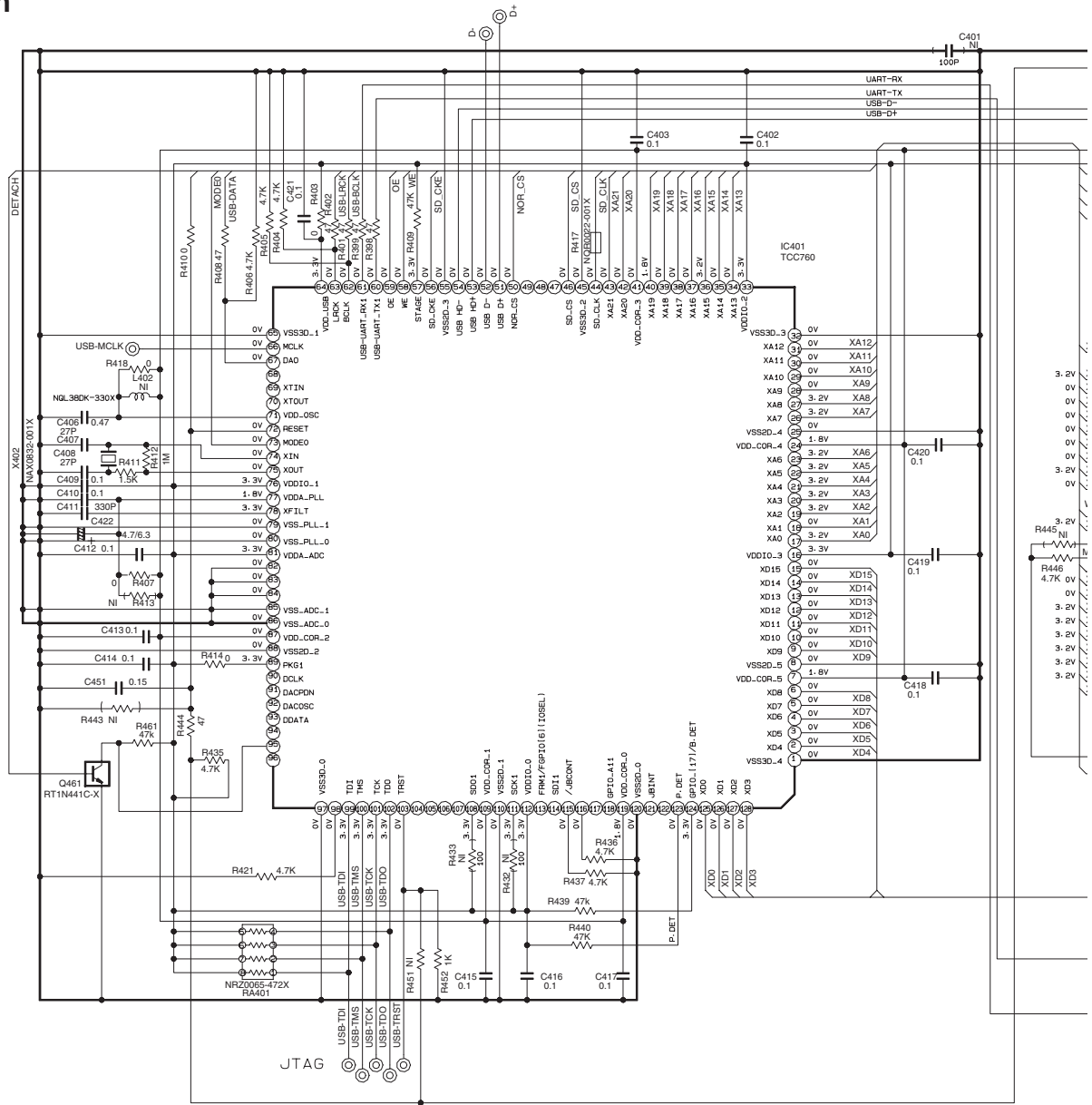


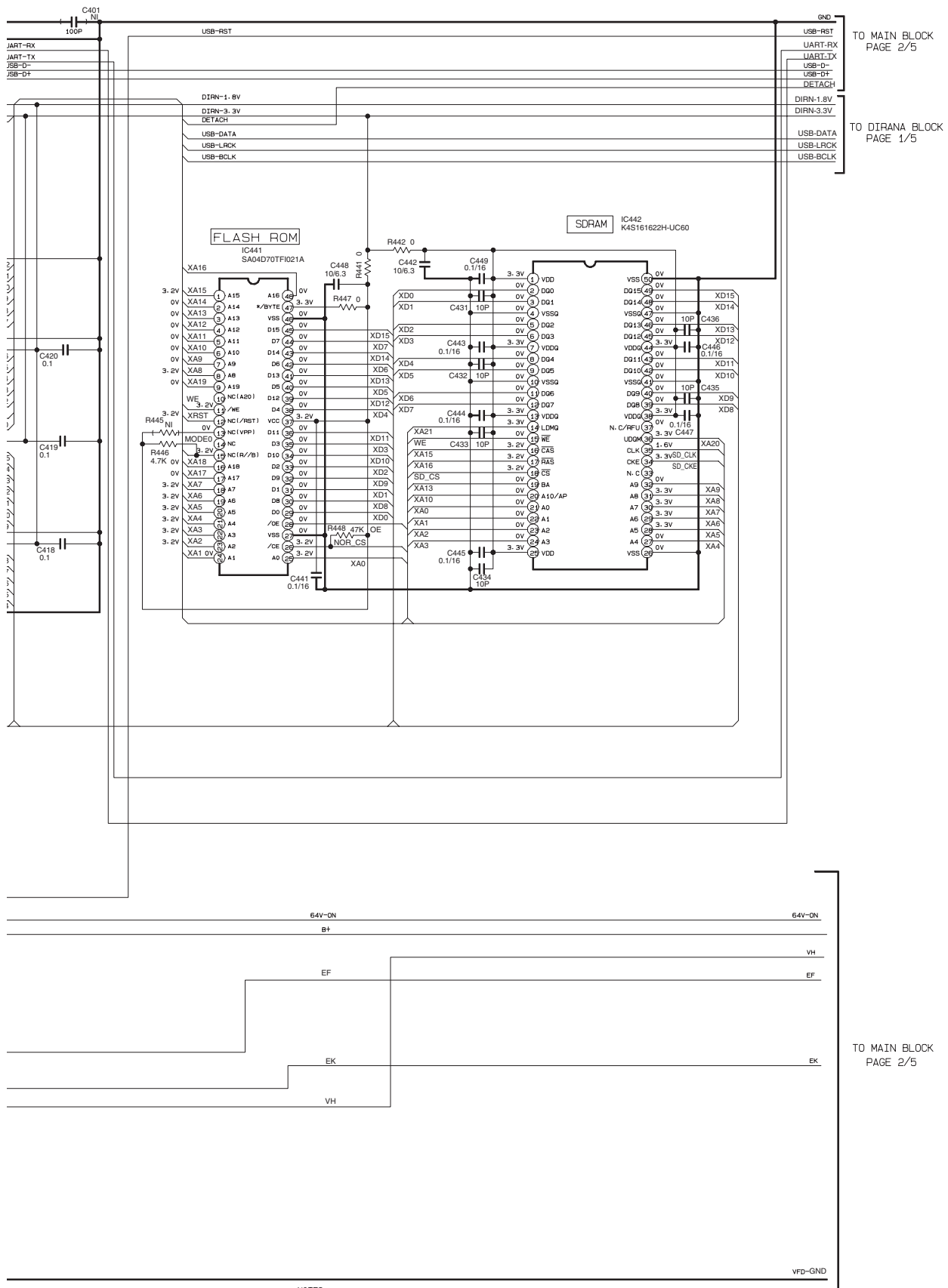
■ LCD / Key control section





■ USB section





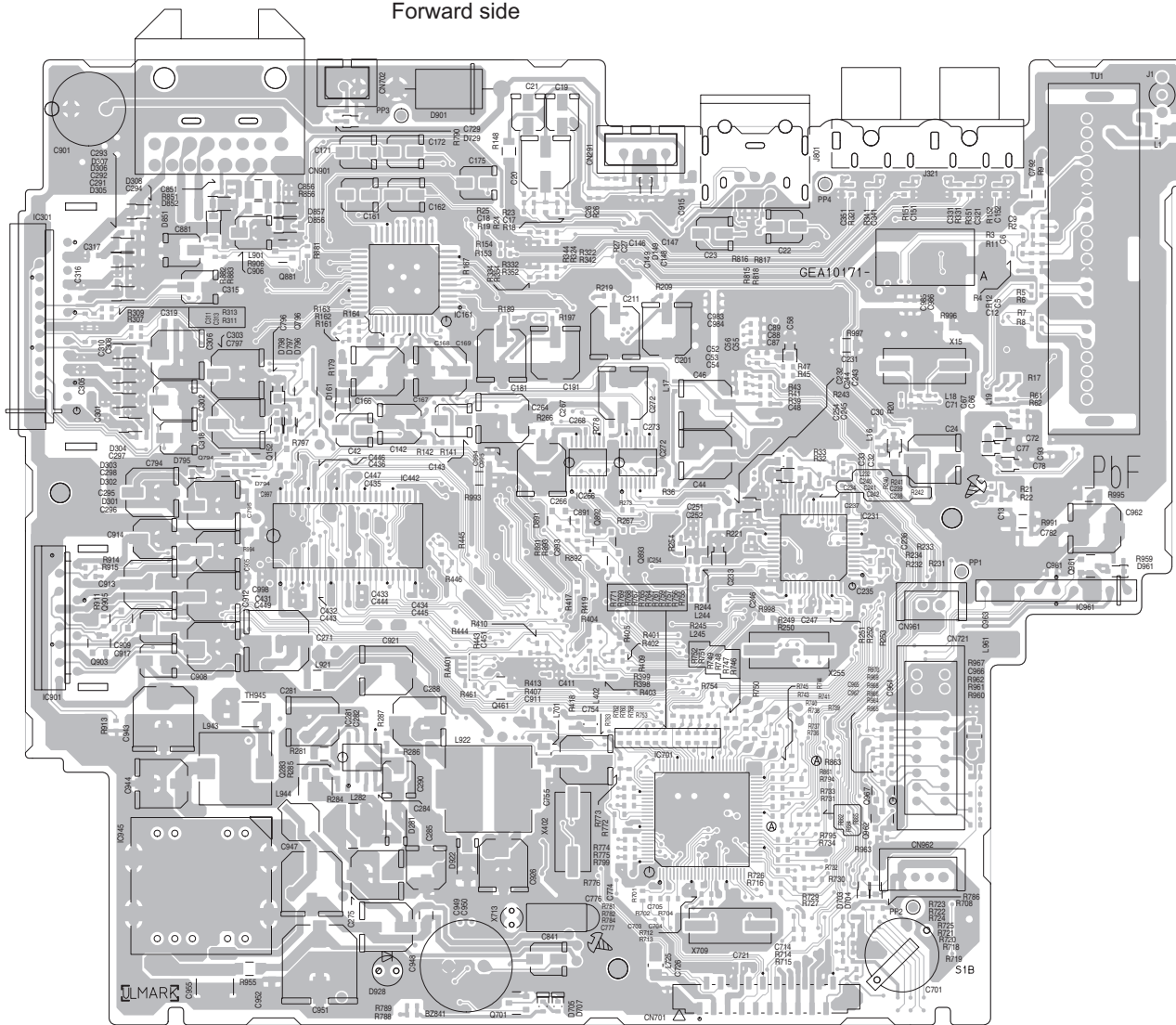
Parts are safety assurance parts.
When replacing those parts make
sure to use the specified one.

Printed circuit boards

■ **Main board**

Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

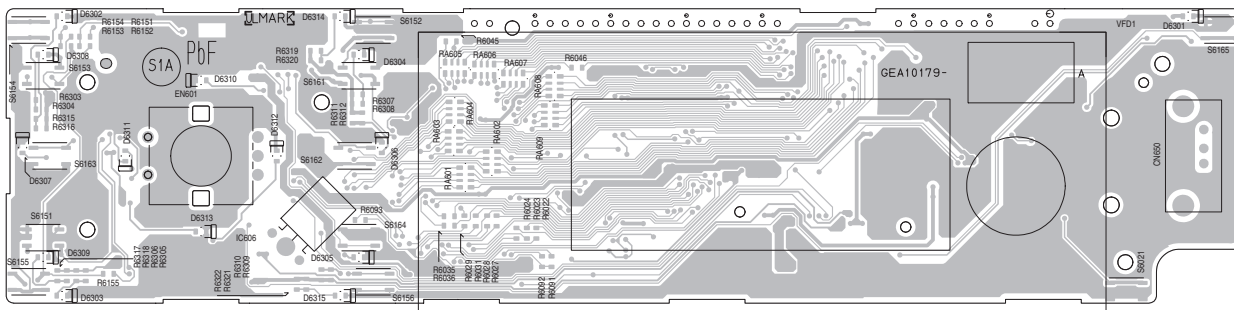
Forward side



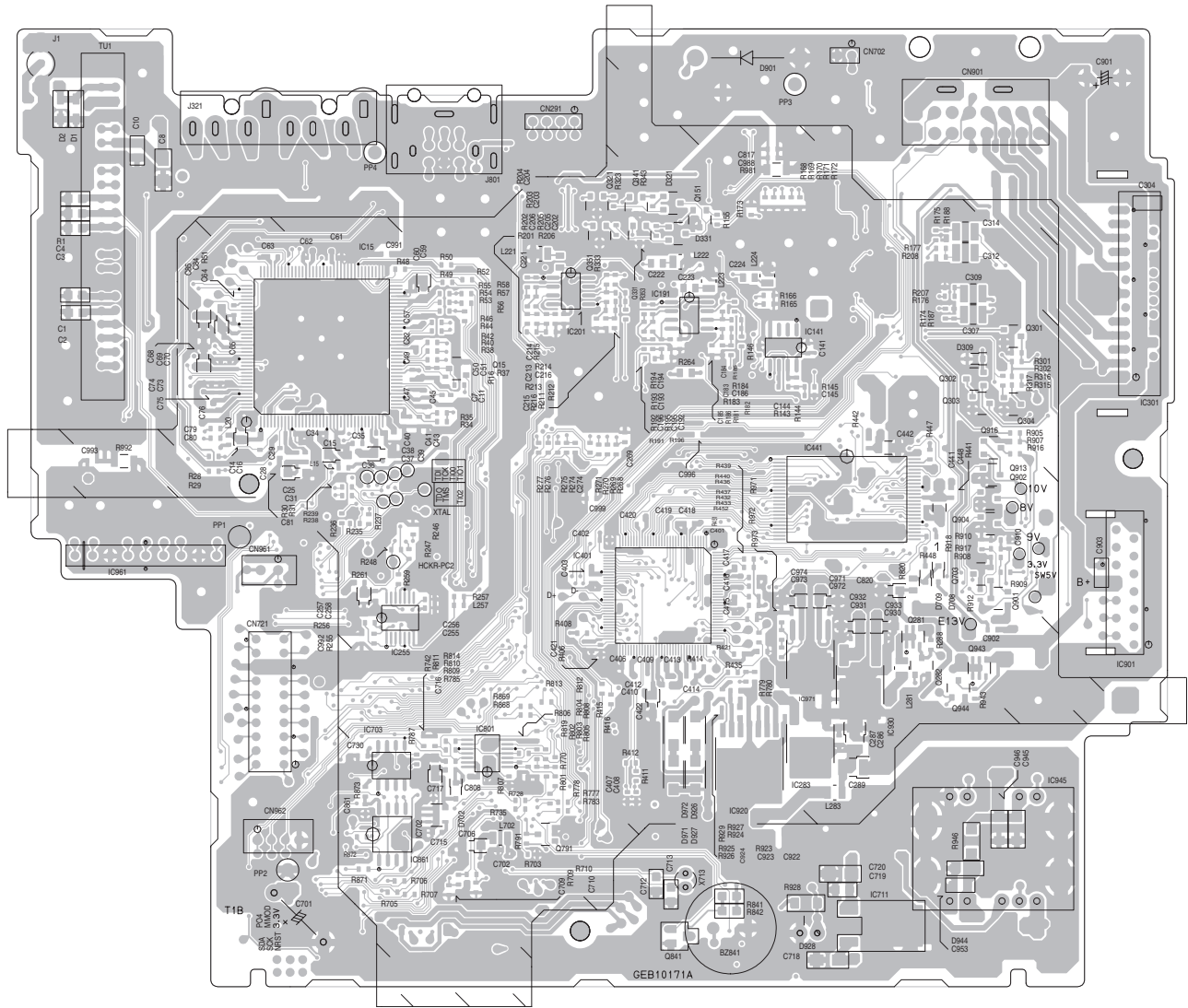
■ Switch board

Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

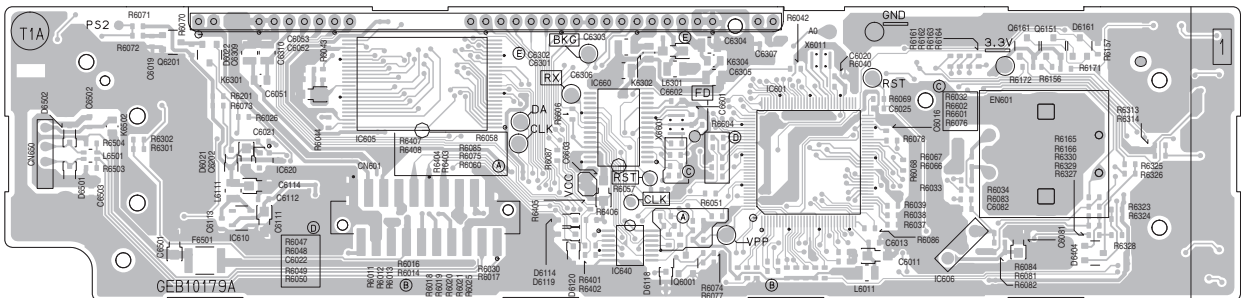
Forward side



Reverse side



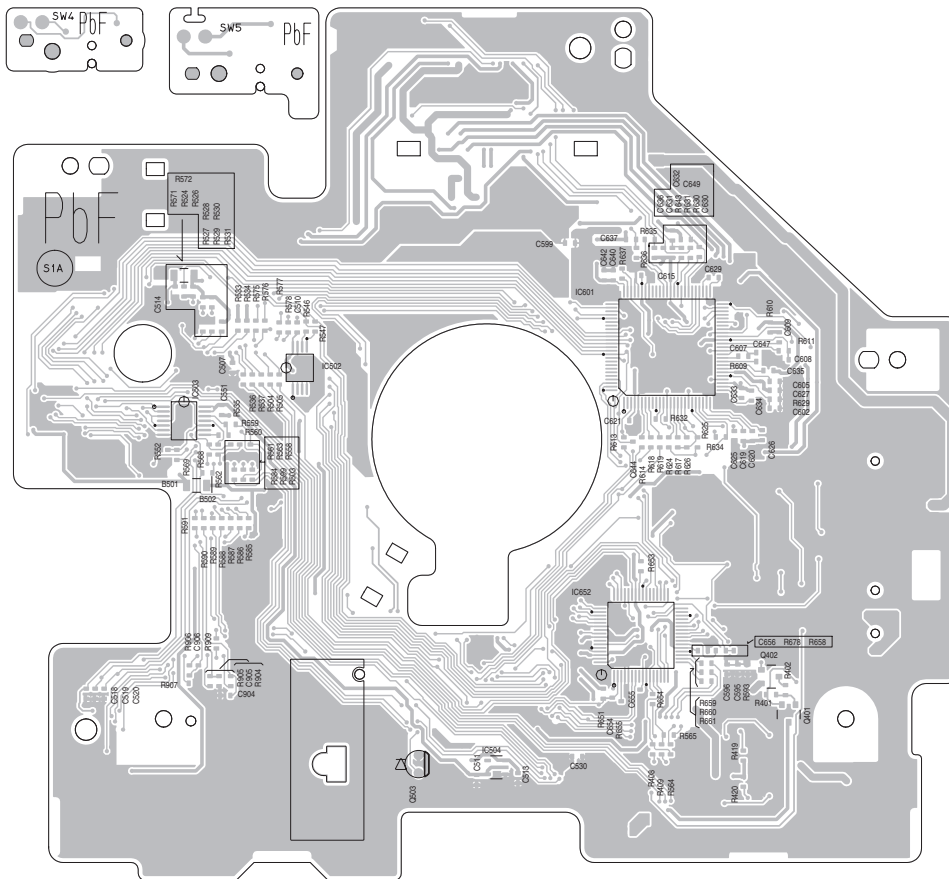
Reverse side



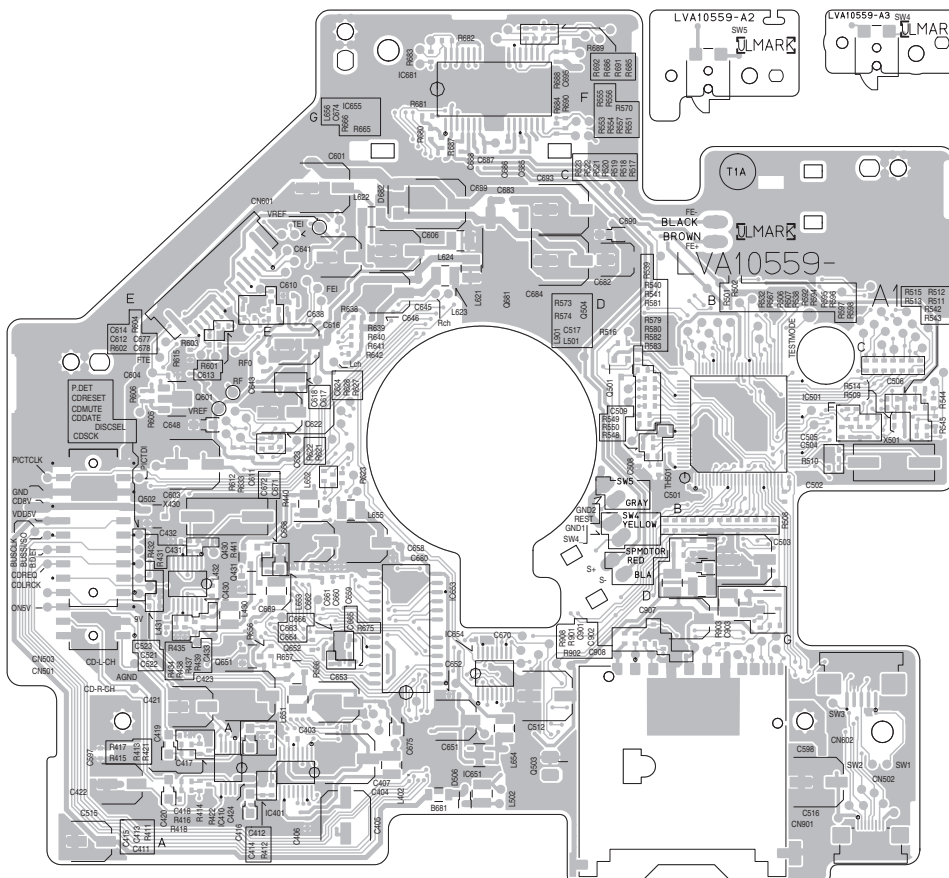
■ CD servo control board

Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

Forward side



Reverse side



< MEMO >



Victor Company of Japan, Limited

Mobile Entertainment Business Group Mobile Entertainment Category 10-1, 1chome, Ohwatari-machi, Maebashi-city, Gumma-ken, 371-8543, Japan

(No.MA255SCH)



Printed in Japan
VPT

PARTS LIST

KD-SH1000J,KD-SH1000E,KD-SH1000EX
KD-SH1000EY,KD-SH1000EU,KD-SH1000U
KD-SH1000UN,KD-SH1000UT,KD-SH1000UH

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

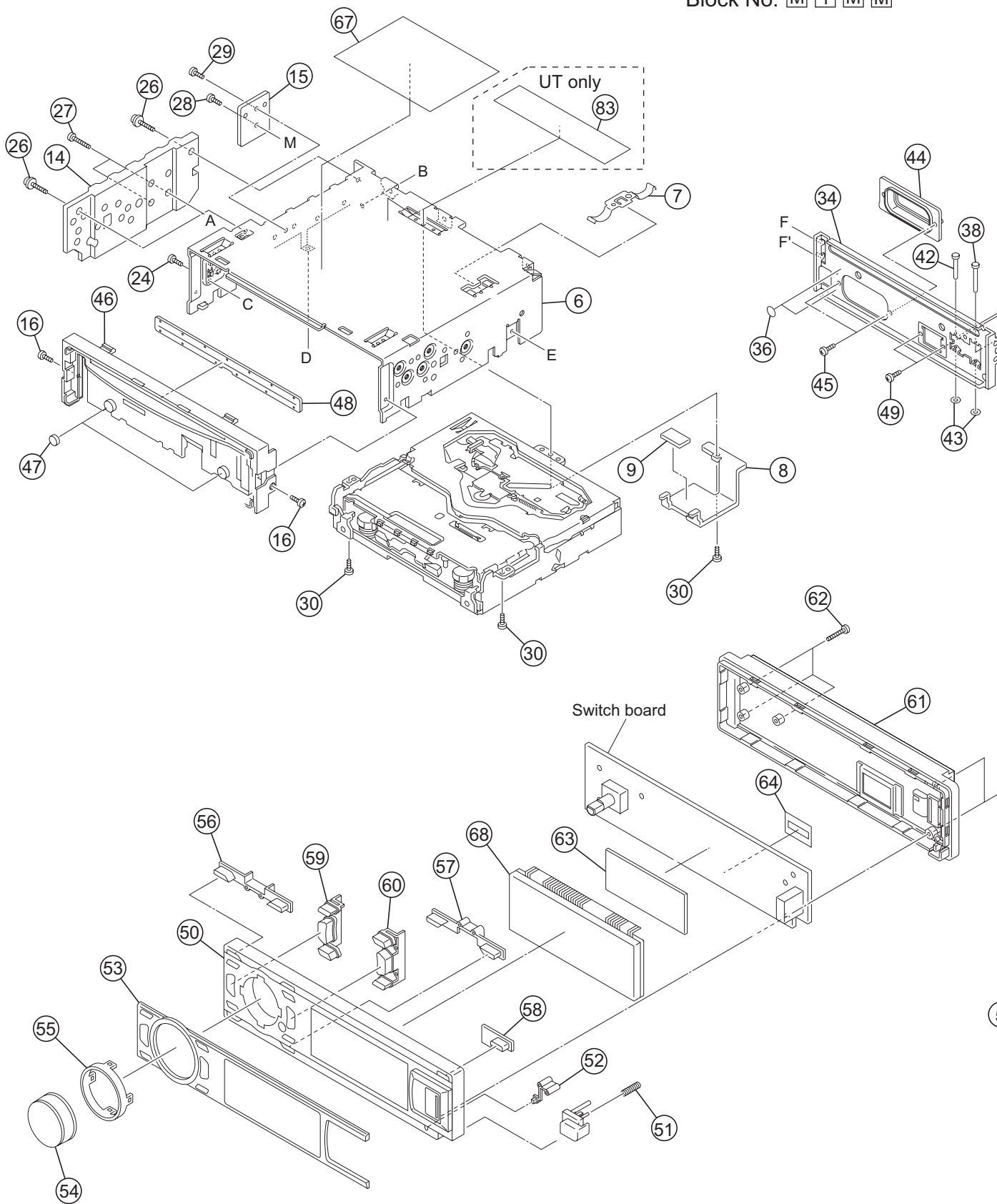
- Contents -

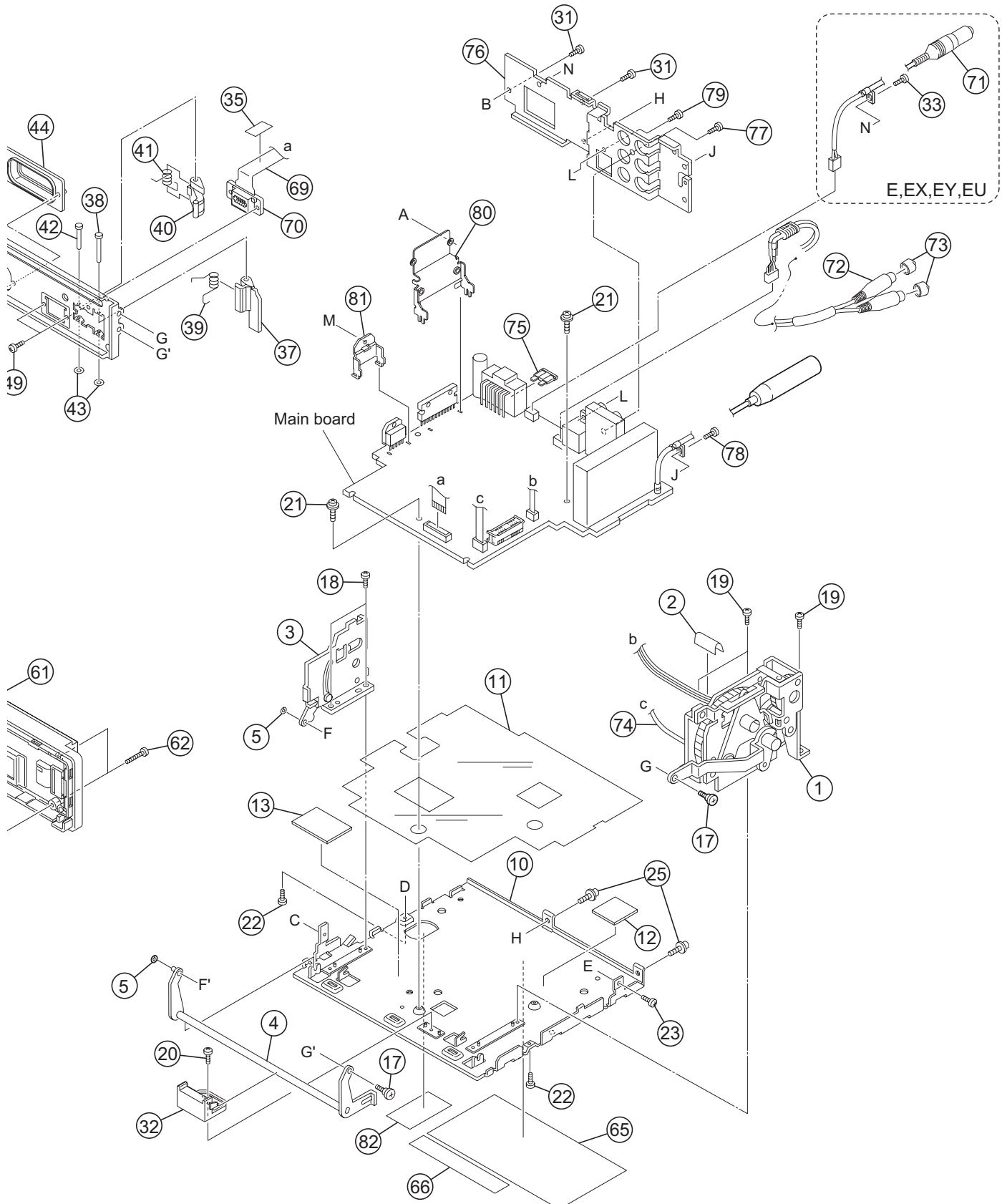
Exploded view of general assembly and parts list (Block No.M1)	3- 2
CD mechanism assembly and parts list (Block No.MB)	3- 6
Electrical parts list (Block No.01~03)	3- 9
Packing materials and accessories parts list (Block No.M3)	3-20

Exploded view of general assembly and parts list

Block No.

M	1	M	M
---	---	---	---





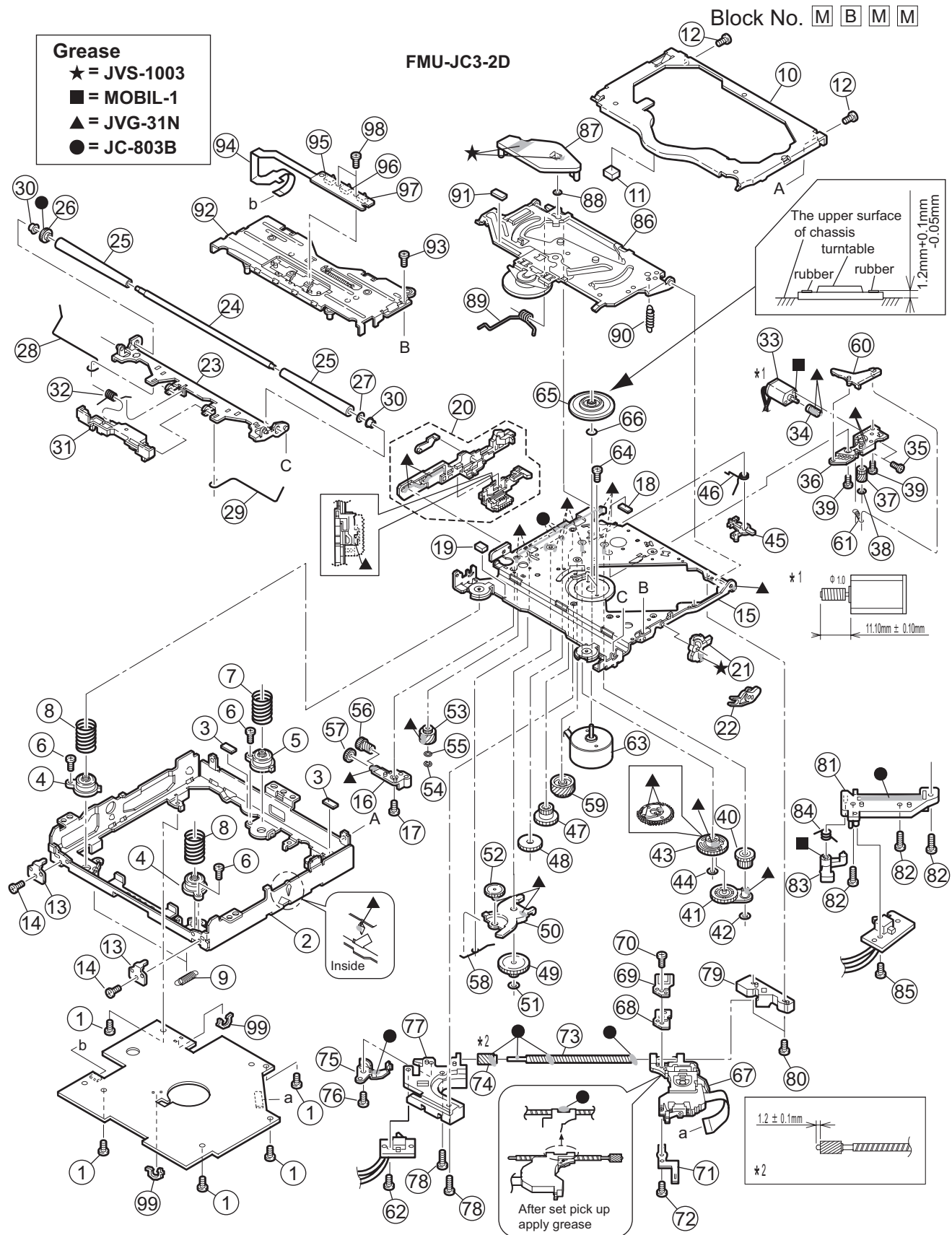
General Assembly

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

Symbol No.	Part No.	Part Name	Description	Local
1	GE20156-001A	GEAR BKT UNIT		
2	FSYH4036-100	SHEET		
3	GE30968-002A	LEVER BKT UNIT		
4	GE30964-003A	LOWER LEVER ASS		
5	QYWDL215025	SLIT WASHER	5mm/2.1mm x 0.25mm(x2)	
6	GE10111-001A	TOP CHASSIS		
7	GE40135-001A	EARTH PLATE		
8	GE40259-001A	MECHA HEAT SINK		
9	LV43854-003A	COOLING RUBBER		
10	GE10074-001A	BOTTOM CHASSIS		
11	GE32175-001A	INSULATOR		
12	GE40320-001A	COOLING RUBBER		
13	GE40320-002A	COOLING RUBBER		
14	GE31627-001A	HEAT SINK		
15	GE40260-001A	IC HEAT SINK		
16	QYSPSP2003ZA	SCREW	M2 x 3mm(x2)	
17	LV42181-002A	SPECIAL SCREW	(x2)	
18	LV40865-002A	SCREW	(x2)	
19	LV40865-002A	SCREW	(x3)	
20	LV40865-002A	SCREW		
21	LV41200-004A	SPECIAL SCREW	(x2)	
22	QYSDST2606ZA	TAP SCREW	M2.6 x 6mm(x2)	
23	LV41200-004A	SPECIAL SCREW		
24	LV41200-004A	SPECIAL SCREW		
25	LV41200-004A	SPECIAL SCREW	(x2)	
26	GE40235-001A	SCREW	(x2)	
27	QYSDST2614ZA	TAP SCREW	M2.6 x 12mm(x2)	
28	QYSDST2606ZA	TAP SCREW	M2.6 x 6mm	
29	QYSDST2606ZA	TAP SCREW	M2.6 x 6mm	
30	QYSDST2605ZA	TAP SCREW	M2.6 x 5mm(x3)	
31	LV41200-004A	SPECIAL SCREW	(x2)	
32	GE32167-001A	FPC GUIDE		
33	QYSDST2604ZA	TAP SCREW	M2.6 x 4mm	E,EX,EY,EU
34	GE32165-002A	FRONT BKT ASSY		
35	FSYH4036-100	SHEET		
36	GE40218-017A	SHEET	(x2)	
37	GE30972-001A	DETACH LEVER		
38	GE40192-002A	SHAFT		
39	GE40195-002A	T SPRING		
40	GE30973-001A	KICK LEVER		
41	GE40194-001A	T SPRING		
42	GE40193-002A	SHAFT		
43	QYWDL123525	SLIT WASHER	3.5mm/1.2mm x 0.25mm(x2)	
44	LV35381-001A	SD GUIDE		
45	VKZ4777-009	MINI SCREW	(x2)	
46	GE32164-001A	F. CHASSIS ASSY		
47	GE40196-002A	ABSORBER	(x2)	
48	GE40156-001A	BLIND		
49	QYSPSGU2040MA	TAP SCREW	M2 x 4mm(x2)	
50	GE32180-002A	F.PANEL ASSY		J
50	GE32180-001A	F.PANEL ASSY		E,EX,EY,EU
50	GE32180-003A	F.PANEL ASSY		U,UN,UT,UH
51	GE40202-007A	COMP.SPRING		
52	GE32145-002A	RESET BTN		
53	GE31986-005A	FINDER ASSY		J
53	GE31986-004A	FINDER ASSY		E,EX,EY,EU
53	GE31986-006A	FINDER ASSY		U,UN,UT,UH
54	GE40314-001A	VOLUME KNOB ASS		
55	GE32168-002A	RIM COVER		
56	GE32151-002A	SRC MENU BTN		
57	GE32152-003A	EJECT BACK BTN		J,U,UN,UT,UH
57	GE32152-002A	EJECT BACK BTN		E,EX,EY,EU
58	GE32153-002A	DISP BTN		
59	GE32158-002A	COMBO BTN LEFT		J,U,UN,UT,UH
59	GE32158-001A	COMBO BTN LEFT		E,EX,EY,EU
60	GE32159-001A	COMBO BTN RIGHT		
61	GE10160-001A	REAR COVER		
62	VKZ4777-010	MINI SCREW	(x5)	
63	GE40322-001A	SPACER		
64	GE40325-001A	SW PWB SHEET		
65	GE31951-001A	NAME PLATE		J
65	GE31957-001A	NAME PLATE		E,EX,EY,EU
65	GE31954-001A	NAME PLATE		U,UN,UT,UH
66	LV41843-002A	LASER CAUTION		E,EX,EY,EU,U,UN,UT,UH

△	Symbol No.	Part No.	Part Name	Description	Local
	67	LV36398-001A	CAUTION LABEL		
	68	QLF0164-001	VFD		
	69	QAL0846-001	FFC CABLE		
	70	QNZ0856-001	FRONT CONNECTOR		
	71	QAM0237-001	CAR CABLE		E,EX,EY,EU
	72	QAM0858-001	LINE IN CABLE		
	73	VYTA500-001	PIN CAP	(x2)	
	74	QJJ010-040904-E	SIN CR C-C WIR		
△	75	QMFZ039-150-T	FUSE	15A	
	76	GE32166-001A	REAR BRACKET		
	77	QYSDSF2606ZA	TAP SCREW	M2.6 x 6mm	
	78	LV41200-004A	SPECIAL SCREW		
	79	GE40235-004A	SCREW		
	80	GE40207-001A	POWER IC BKT		
	81	GE40124-002A	REG BRACKET		
	82	GE40218-011A	SHEET		
	83	GE31574-031A	UT LABEL		UT

CD mechanism assembly and parts list



The parts without symbol number are not service.

CD mechanism

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

△	Symbol No.	Part No.	Part Name	Description	Local
	1	VKZ4539-056	MINI SCREW	(x5)	
	2	LV10857-002A	CHASSIS FRAME 2		
	3	LV30225-0J6A	SPACER	(x2)	
	4	LV35272-001A	DAMPER(F)	(x2)	
	5	LV35273-001A	DAMPER(R)		
	6	QYSPSTU2045MA	TAP SCREW	M2 x 4.5mm(x3)	
	7	LV43039-001A	DAMPER SP.(R)		
	8	LV43849-001A	DAMPER SP(F2)	(x2)	
	9	LV43041-001A	FLOATING SPRING	(x2)	
	10	LV10675-001A	TOP COVER		
	11	LV30225-0J5A	SPACER		
	12	VKZ4539-056	MINI SCREW	(x2)	
	13	LV33669-001A	STOPPER	(x2)	
	14	VKZ4539-056	MINI SCREW	(x2)	
	15	LV21615-001A	CD CHASSIS ASSY		
	16	LV33608-001A	GEAR HOLDER		
	17	VKZ4539-056	MINI SCREW		
	18	LV43561-002A	ABSORBER		
	19	LV30225-0J5A	SPACER		
	20	LV33683-003A	SLIDE CAM ASSY		
	21	LV33610-001A	FLOATING ARM		
	22	LV33611-001A	CONNECT ARM		
	23	LV33678-003A	LOADING A. ASSY		
	24	LV43049-001A	LOADING SHAFT		
	25	LV43052-003A	ROLLER	(x2)	
	26	LV33612-001A	LOADING GEAR		
	27	QYWFM124013	WASHER	4mm/1.2mm x 0.13mm	
	28	LV43053-002A	ROD(L)		
	29	LV43725-001A	ROD(R)		
	30	LV43001-001A	COLLAR	(x2)	
	31	LV21285-002A	PROTECTOR		
	32	LV43055-001A	PROTECTOR SP.		
	33	QAR0144-003	MOTOR		
	34	LV43002-002A	WORM GEAR		
	35	QYSPSPT2025MA	SCREW	M2 x 2.5mm(x2)	
	36	LV33679-001A	MOTOR H. ASSY		
	37	LV33614-002A	WORM WHEEL		
	38	QYWDL1230250	SLIT WASHER	3mm/1.2mm x 0.25mm	
	39	VKZ4539-056	MINI SCREW	(x2)	
	40	LV33615-001A	GEAR 2		
	41	LV43057-003A	IDLER ARM ASSY		
	42	QYWDL1635252	SLIT WASHER	3.5mm/1.6mm x 0.25mm	
	43	LV21286-001A	CONTROL CAM		
	44	QYWDL1230196	SLIT WASHER	3mm/1.2mm x 0.19mm	
	45	LV33616-001A	LOAD.LOCK LEVER		
	46	LV43060-001A	CAM SPRING		
	47	LV43005-001A	GEAR 4		
	48	LV43006-001A	GEAR 5		
	49	LV33617-001A	GEAR 6		
	50	LV33618-002A	LOADING G. ARM		
	51	QYWDL1635252	SLIT WASHER	3.5mm/1.6mm x 0.25mm	
	52	LV43007-001A	GEAR 7		
	53	LV33619-002A	GEAR 8		
	54	LV42132-001A	E RING		
	55	QYWFM215013	WASHER	5mm/2.1mm x 0.13mm	
	56	LV33620-001A	GEAR 9		
	57	LV43008-001A	GEAR10		
	58	LV43061-001A	LOAD SPRING		
	59	LV33621-001A	FEED GEAR		
	60	LV33622-001A	TRIGGER ARM		
	61	LV43062-001A	FEED TRI.SPRING		
	62	QYSPSFT2040ZA	TAP SCREW	M2 x 4mm	
	63	QAR0305-001	SPINDLE MOTOR		
	64	QYSPSPT1720MA	SCREW	M1.7 x 2mm(x2)	
	65	LV43669-002A	T.TABLE ASSY		
	66	QYWFM214025	WASHER	4mm/2.1mm x 0.25mm	
	67	QAL0563-001	PICK UP		
	68	LV34583-002A	CD RACK PLATE		
	69	LV34579-001A	CD RACK SPRING		
	70	LV43903-002A	MINI TAP SCREW		
	71	LV34580-001A	P.S.SPRING		
	72	QYSPSGT1425MA	TAP SCREW	M1.4 x 2.5mm	
	73	LV43670-001A	LEAD SCREW		
	74	LV43010-001A	L.S.GEAR		

 Symbol No.	Part No.	Part Name	Description	Local
75	LV43011-001A	THRUST SPRING		
76	QYSPSFT2040ZA	TAP SCREW	M2 x 4mm	
77	LV21604-004A	L.S.HOLDER 1		
78	VKZ4539-056	MINI SCREW	(x2)	
79	LV34582-002A	L.S.HOLDER 2		
80	VKZ4539-056	MINI SCREW	(x2)	
81	LV34581-002A	SUB GUIDE		
82	VKZ4539-056	MINI SCREW	(x3)	
83	LV34915-001A	SW LEVER		
84	LV43898-001A	S.L.SPRING		
85	QYSPSFT2040ZA	TAP SCREW	M2 x 4mm	
86	LV34602-002A	CLAMPER UNIT 2		
87	LV34585-001A	KICK ARM 2		
88	LV43507-001A	SPL WASHER		
89	LV43070-001A	CLAMPER SPRING		
90	LV43355-001A	CLAMPER2 SPRING		
91	LV30225-0J6A	SPACER		
92	LV21616-003A	FRONT UNIT 2		
93	VKZ4539-056	MINI SCREW		
94	LVB30016-002A	SW FPC2		
95	NSW0187-001	SWITCH		
96	NSW0187-001	SWITCH		
97	NSW0187-001	SWITCH		
98	VKZ4539-055	MINI SCREW	(x2)	
99	LV34916-001A	WIRE CLAMP	(x2)	

Electrical parts list

Main board

Block No. [0][1]

△ Symbol No.	Part No.	Part Name	Description	Local
IC15	SAF7730HV/N224A	DIGITAL IC		
IC141	NJM4565E-X	IC		
IC161	BD3433K	IC		
IC191	NJM4565E-X	IC		
IC201	NJM4565E-X	IC		
IC231	DSPB56374AEC	IC		
IC254	MM3141YN-X	IC		
IC255	SN74AHCU04PW-X	IC		
IC266	AK4385ET-X	IC		
IC272	AK4385ET-X	IC		
IC281	NJM2374AE-X	IC		
△ IC283	NJM79M09DL1A-X	REGULATOR IC		
△ IC301	TB2904HQ	IC		
IC401	TCC760	IC		
IC441	SA04D70TFI022B	IC(PROGRAMED)		
IC442	K4S161622H-UC60	IC		
△ IC701	MN101E01MEK	IC		J,U,U N,UT, UH
△ IC701	MN101E01MEL	IC		E,EX, EY,EU
IC702	PST9121N-X	IC		
IC703	BR24L32F-W-X	IC(DIGITAL)		
△ IC711	BA05CC0FP-X	IC		
IC801	SN74AHCT126PW-X	IC(DIGITAL)		
△ IC901	R2S25401DS-E	IC		
△ IC920	BD9781HFP-W	IC		
△ IC930	BA33BC0FP-X	IC		
△ IC945	CV-0503J-JS	IC		
△ IC961	BA6956AN	IC		
IC971	BA00BC0WFP-X	IC(DIGITAL)		
Q15	RT1N141C-X	DIGI TRANSISTOR		
Q151	KTD1304-X	TRANSISTOR		
Q152	RT1P141C-X	DIGI TRANSISTOR		
△ Q281	RSQ025P03-W	TRANSISTOR		
Q282	RT1N141C-X	DIGI TRANSISTOR		
Q283	2SA2049/QR/-W	TRANSISTOR		
Q301	RT1N141C-X	DIGI TRANSISTOR		
Q302	RT1P441C-X	DIGI TRANSISTOR		
Q303	RT1N441C-X	TRANSISTOR		
Q304	KTD1304-X	TRANSISTOR		
Q321	KTD1304-X	TRANSISTOR		
Q331	KTD1304-X	TRANSISTOR		
Q341	KTD1304-X	TRANSISTOR		
Q351	KTD1304-X	TRANSISTOR		
Q461	RT1N441C-X	TRANSISTOR		
Q701	RT1N141C-X	DIGI TRANSISTOR		
Q703	RT1N441C-X	TRANSISTOR		
Q791	RT1N441C-X	TRANSISTOR		
Q794	RT1P141C-X	DIGI TRANSISTOR		
Q796	RT1P441C-X	DIGI TRANSISTOR		
Q841	RT1N141C-X	DIGI TRANSISTOR		
Q881	2SC3928A/QR/-X	TRANSISTOR		
Q892	RT1N141C-X	DIGI TRANSISTOR		
Q893	RT1N141C-X	DIGI TRANSISTOR		
Q901	2SA1530A/QR/-X	TRANSISTOR		
Q902	RT1N141C-X	DIGI TRANSISTOR		U,UN, UT,UH
Q903	RT1P141C-X	DIGI TRANSISTOR		U,UN, UT,UH
Q904	RT1N141C-X	DIGI TRANSISTOR		
Q905	RT1P141C-X	DIGI TRANSISTOR		
Q913	RT1N141C-X	DIGI TRANSISTOR		
Q916	RT1P141C-X	DIGI TRANSISTOR		
△ Q943	RSQ025P03-W	TRANSISTOR		
Q944	RT1N141C-X	DIGI TRANSISTOR		
Q961	RT1N141C-X	DIGI TRANSISTOR		
Q962	RT1N141C-X	DIGI TRANSISTOR		
Q967	RT1N141C-X	DIGI TRANSISTOR		
D1	1SS355W-X	DIODE C.M		
D2	1SS355W-X	DIODE C.M		

△ Symbol No.	Part No.	Part Name	Description	Local
D149	UDZW11B-X	Z DIODE		
D161	CRS03-W	SB DIODE		
D281	RB051L-40-X	SB DIODE		
D303	CRS03-W	SB DIODE		
D306	CRS03-W	SB DIODE		
D309	UDZS11B-X	Z DIODE		
D321	MC2836-X	DIODE		
D331	MC2836-X	DIODE		
D702	1SS355W-X	DIODE C.M		
D703	1SS355W-X	DIODE C.M		
D704	1SS355W-X	DIODE C.M		
D705	SML-310LT/MN/-X	LED		
D707	SML-310LT/MN/-X	LED		
D708	1SS355W-X	DIODE C.M		
D729	UDZW6.2B-X	DIODE		E,EX, EY,EU
D794	MC2836-X	DIODE		
D795	UDZS11B-X	Z DIODE		
D796	MC2836-X	DIODE		
D797	UDZS3.3B-X	Z DIODE		
D798	1SS355-X	DIODE C.M		
D851	CRS03-W	SB DIODE		U,UN, UT,UH
D852	CRS03-W	SB DIODE		U,UN, UT,UH
D856	CRS03-W	SB DIODE		
D857	CRS03-W	SB DIODE		
D891	MC2836-X	DIODE		
△ D901	1N5401-F64	SI DIODE		
D922	RB051L-40-X	SB DIODE		
D926	1SR154-400-X	SI DIODE		
D927	1SR154-400-X	SI DIODE		
D928	SIR-34ST3F	SI DIODE		
D944	TDZ6.2-X	SI DIODE		
D961	UDZW3.9B-X	Z DIODE		
D971	1SR154-400-X	SI DIODE		
D972	1SR154-400-X	SI DIODE		
C6	NCB31HK-391X	C CAPACITOR	390pF 50V K	
C8	NBE21AM-106X	TA E CAPACITOR	10uF 10V M	
C9	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C10	NCB31HK-391X	C CAPACITOR	390pF 50V K	
C12	NCB31HK-391X	C CAPACITOR	390pF 50V K	
C14	NBE20JM-475X	TA E CAPACITOR	4.7uF 6.3V M	
C15	NBE20JM-476X	TA E CAPACITOR	47uF 6.3V M	
C16	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C17	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C18	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C19	NEAF1HM-225X	E CAPACITOR	2.2uF 50V M	
C20	NEAF1CM-476X	E CAPACITOR	47uF 16V M	
C21	NEAF1HM-225X	E CAPACITOR	2.2uF 50V M	
C22	NEAF1HM-105X	E CAPACITOR	1uF 50V M	
C23	NEAF1HM-105X	E CAPACITOR	1uF 50V M	
C24	NEAF0JM-107X	E CAPACITOR	100uF 6.3V M	
C25	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C26	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C27	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C28	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C29	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C30	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C31	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C32	NBE20JM-226X	TA E CAPACITOR	22uF 6.3V M	
C33	NCB31CK-473X	C CAPACITOR	0.047uF 16V K	
C34	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C35	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C36	NBE20JM-476X	TA E CAPACITOR	47uF 6.3V M	
C37	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C38	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C39	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C40	NCB31CK-333X	C CAPACITOR	0.033uF 16V K	
C41	NCB31HK-332X	C CAPACITOR	3300pF 50V K	
C42	NEAF1EM-475X	E CAPACITOR	4.7uF 25V M	
C43	NCB31HK-332X	C CAPACITOR	3300pF 50V K	
C44	NEAF0JM-227X	E CAPACITOR	220uF 6.3V M	
C45	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C46	NEAF0JM-227X	E CAPACITOR	220uF 6.3V M	

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
C47	NCB31CK-473X	C CAPACITOR	0.047uF 16V K		C213	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C48	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		C214	NDC31HJ-331X	C CAPACITOR	330pF 50V J	
C49	NCB31EK-223X	C CAPACITOR	0.022uF 25V K		C215	NDC31HJ-331X	C CAPACITOR	330pF 50V J	
C50	NCB31HK-471X	C CAPACITOR	470pF 50V K		C216	NCB31HK-392X	C CAPACITOR	3900pF 50V K	
C51	NCB31CK-105X	C CAPACITOR	1uF 16V K		C221	NCB21HK-123X	C CAPACITOR	0.012uF 50V K	
C52	NDC31HJ-101X	C CAPACITOR	100pF 50V J		C222	NCB21HK-123X	C CAPACITOR	0.012uF 50V K	
C53	NDC31HJ-101X	C CAPACITOR	100pF 50V J		C223	NCB21HK-123X	C CAPACITOR	0.012uF 50V K	
C54	NDC31HJ-101X	C CAPACITOR	100pF 50V J		C224	NCB21HK-123X	C CAPACITOR	0.012uF 50V K	
C55	NDC31HJ-101X	C CAPACITOR	100pF 50V J		C231	NBE20JM-476X	TA E CAPACITOR	47uF 6.3V M	
C56	NDC31HJ-101X	C CAPACITOR	100pF 50V J		C232	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C57	NCB31CK-105X	C CAPACITOR	1uF 16V K		C233	NBE20JM-476X	TA E CAPACITOR	47uF 6.3V M	
C58	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M		C234	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C59	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M		C235	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C60	NCB31EK-223X	C CAPACITOR	0.022uF 25V K		C236	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C61	NCB31EK-223X	C CAPACITOR	0.022uF 25V K		C237	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C62	NCB31CK-105X	C CAPACITOR	1uF 16V K		C238	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C63	NCB31CK-105X	C CAPACITOR	1uF 16V K		C239	NCB31HK-471X	C CAPACITOR	470pF 50V K	
C64	NCB31CK-105X	C CAPACITOR	1uF 16V K		C240	NBE20JM-476X	TA E CAPACITOR	47uF 6.3V M	
C65	NCB31CK-105X	C CAPACITOR	1uF 16V K		C241	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C66	NDC31HJ-5R0X	C CAPACITOR	5pF 50V J		C242	NCS31HJ-102X	C CAPACITOR	1000pF 50V J	
C67	NDC31HJ-5R0X	C CAPACITOR	5pF 50V J		C243	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C68	NBE20JM-475X	TA E CAPACITOR	4.7uF 6.3V M		C244	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C69	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C245	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C70	NCS31HJ-181X	C CAPACITOR	180pF 50V J		C246	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C71	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		C247	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C72	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M		C251	NCB31HK-473X	C CAPACITOR	0.047uF 50V K	
C73	NDC31HJ-101X	C CAPACITOR	100pF 50V J		C252	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C74	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C254	NCB31HK-473X	C CAPACITOR	0.047uF 50V K	
C75	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C255	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C76	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C256	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C77	NBE20JM-475X	TA E CAPACITOR	4.7uF 6.3V M		C257	NBE20JM-476X	TA E CAPACITOR	47uF 6.3V M	
C78	NBE20JM-475X	TA E CAPACITOR	4.7uF 6.3V M		C258	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C79	NCB31HK-102X	C CAPACITOR	1000pF 50V K		C264	NEAF0JM-227X	E CAPACITOR	220uF 6.3V M	
C80	NCB31HK-102X	C CAPACITOR	1000pF 50V K		C266	NEAF0JM-227X	E CAPACITOR	220uF 6.3V M	
C81	NBE20JM-476X	TA E CAPACITOR	47uF 6.3V M		C267	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C82	NCB31CK-105X	C CAPACITOR	1uF 16V K		C268	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C84	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M		C269	NDC31HJ-471X	C CAPACITOR	470pF 50V J	
C85	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M		C271	NELB1EM-227X	E CAPACITOR	220uF 25V M	
C87	NDC31HJ-101X	C CAPACITOR	100pF 50V J		C272	NEAF0JM-227X	E CAPACITOR	220uF 6.3V M	
C88	NDC31HJ-101X	C CAPACITOR	100pF 50V J		C273	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C89	NDC31HJ-101X	C CAPACITOR	100pF 50V J		C274	NDC31HJ-471X	C CAPACITOR	470pF 50V J	
C141	NCB31HK-104X	C CAPACITOR	0.1uF 50V K		C275	NEAF1CM-107X	E CAPACITOR	100uF 16V M	
C142	NEAF0JM-476X	E CAPACITOR	47uF 6.3V M		C281	NELC1EM-476X	E CAPACITOR	47uF 25V M	
C143	NEAF1HM-225X	E CAPACITOR	2.2uF 50V M		C282	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C144	NCB31HK-222X	C CAPACITOR	2200pF 50V K		C284	NCB31HK-221X	C CAPACITOR	220pF 50V K	
C145	NCB31HK-333X	C CAPACITOR	0.033uF 50V K		C285	NEX51CM-226X	E CAPACITOR	22uF 16V M	
C146	NDC31HJ-101X	C CAPACITOR	100pF 50V J		C286	NBE41CM-226X	TA E CAPACITOR	22uF 16V M	
C147	NDC31HJ-101X	C CAPACITOR	100pF 50V J		C287	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C148	NCB31CK-224X	C CAPACITOR	0.22uF 16V K		C288	NEAF1CM-107X	E CAPACITOR	100uF 16V M	
C151	NDC31HJ-101X	C CAPACITOR	100pF 50V J		C289	NBE41CM-226X	TA E CAPACITOR	22uF 16V M	
C152	NDC31HJ-101X	C CAPACITOR	100pF 50V J		C290	NEAF1HM-225X	E CAPACITOR	2.2uF 50V M	
C161	NEB21HM-225X	E CAPACITOR	2.2uF 50V M		C302	NEAF1CM-226X	E CAPACITOR	22uF 16V M	
C162	NEB21HM-225X	E CAPACITOR	2.2uF 50V M		C303	NEAF1CM-476X	E CAPACITOR	47uF 16V M	
C166	NEAF1CM-476X	E CAPACITOR	47uF 16V M		C304	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C167	NEAF1CM-476X	E CAPACITOR	47uF 16V M		C306	NEAF1CM-107X	E CAPACITOR	100uF 16V M	
C168	NCB31HK-104X	C CAPACITOR	0.1uF 50V K		C307	NFV81CM-105X	MF CAPACITOR	1uF 16V M	
C169	NCB31HK-104X	C CAPACITOR	0.1uF 50V K		C308	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C171	NEB21HM-225X	E CAPACITOR	2.2uF 50V M		C309	NFV81CM-105X	MF CAPACITOR	1uF 16V M	
C172	NEB21HM-225X	E CAPACITOR	2.2uF 50V M		C310	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C175	NEAF1HM-225X	E CAPACITOR	2.2uF 50V M		C311	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C181	NEAF1CM-476X	E CAPACITOR	47uF 16V M		C312	NFV81CM-105X	MF CAPACITOR	1uF 16V M	
C183	NDC31HJ-101X	C CAPACITOR	100pF 50V J		C313	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C184	NDC31HJ-331X	C CAPACITOR	330pF 50V J		C314	NFV81CM-105X	MF CAPACITOR	1uF 16V M	
C185	NDC31HJ-331X	C CAPACITOR	330pF 50V J		C315	NEAF1EM-475X	E CAPACITOR	4.7uF 25V M	
C186	NCB31HK-392X	C CAPACITOR	3900pF 50V K		C318	NEAF1EM-475X	E CAPACITOR	4.7uF 25V M	
C191	NEAF1CM-476X	E CAPACITOR	47uF 16V M		C319	NCB21HK-123X	C CAPACITOR	0.012uF 50V K	
C192	NCB31CK-224X	C CAPACITOR	0.22uF 16V K		C321	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C193	NDC31HJ-101X	C CAPACITOR	100pF 50V J		C331	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C194	NDC31HJ-331X	C CAPACITOR	330pF 50V J		C341	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C195	NDC31HJ-331X	C CAPACITOR	330pF 50V J		C351	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C196	NCB31HK-392X	C CAPACITOR	3900pF 50V K		C402	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C201	NEAF1CM-476X	E CAPACITOR	47uF 16V M		C403	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C202	NCB31CK-224X	C CAPACITOR	0.22uF 16V K		C406	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C203	NDC31HJ-101X	C CAPACITOR	100pF 50V J		C407	NDC31HJ-270X	C CAPACITOR	27pF 50V J	
C204	NDC31HJ-331X	C CAPACITOR	330pF 50V J		C408	NDC31HJ-270X	C CAPACITOR	27pF 50V J	
C205	NDC31HJ-331X	C CAPACITOR	330pF 50V J		C409	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C206	NCB31HK-392X	C CAPACITOR	3900pF 50V K		C410	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C211	NEAF1CM-476X	E CAPACITOR	47uF 16V M		C411	NDC31HJ-331X	C CAPACITOR	330pF 50V J	

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
C412	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C915	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C413	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C917	NEAF1CM-106X	E CAPACITOR	10uF 16V M	
C414	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C921	NEAF1CM-107X	E CAPACITOR	100uF 16V M	
C415	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C922	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C416	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C923	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C417	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C924	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C418	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C926	NEAF1AM-107X	E CAPACITOR	100uF 10V M	
C419	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C930	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C420	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C931	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C421	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C932	NBE20JM-476X	TA E CAPACITOR	47uF 6.3V M	
C422	NBE20JM-475X	TA E CAPACITOR	4.7uF 6.3V M		C933	NBE20JM-476X	TA E CAPACITOR	47uF 6.3V M	
C431	NDC31HJ-100X	C CAPACITOR	10pF 50V J		C943	NELB1EM-227X	E CAPACITOR	220uF 25V M	
C432	NDC31HJ-100X	C CAPACITOR	10pF 50V J		C944	NEL91EM-107X	E CAPACITOR	100uF 25V M	
C433	NDC31HJ-100X	C CAPACITOR	10pF 50V J		C945	NCJ11EK-106X-R	C CAPACITOR	10uF 25V	
C434	NDC31HJ-100X	C CAPACITOR	10pF 50V J		C946	NCJ11EK-106X-R	C CAPACITOR	10uF 25V	
C435	NDC31HJ-100X	C CAPACITOR	10pF 50V J		C947	NBZ0008-227X	E CAP	220uF	
C436	NDC31HJ-100X	C CAPACITOR	10pF 50V J		C948	NEAF0JM-227X	E CAPACITOR	220uF 6.3V M	
C441	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C949	NCJ11EK-106X-R	C CAPACITOR	10uF 25V	
C442	NCB10JK-106X	C CAPACITOR	10uF 6.3V K		C950	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C443	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C951	NEHQ1JM-476X	E CAPACITOR	47uF 63V M	
C444	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C952	NCZ1070-103X	C CAPACITOR	0.01uF	
C445	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C953	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C446	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C955	NCZ1071-475X	C CAPACITOR	4.7uF	
C447	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C961	NCB31HK-473X	C CAPACITOR	0.047uF 50V K	
C448	NCB10JK-106X	C CAPACITOR	10uF 6.3V K		C962	NEAF1AM-107X	E CAPACITOR	100uF 10V M	
C449	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C963	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C451	NCB31AK-154X	C CAPACITOR	0.15uF 10V K		C964	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C701	QEZ0361-229	C.CAPA	0.022F		C965	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C702	NCB31AK-474X	C CAPACITOR	0.47uF 10V K		C966	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C703	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		C967	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C704	NCB31HK-104X	C CAPACITOR	0.1uF 50V K		C971	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C705	NCB31HK-104X	C CAPACITOR	0.1uF 50V K		C972	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C706	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M		C973	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C709	NDC31HJ-7R0X	C CAPACITOR	7pF 50V J		C974	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C710	NDC31HJ-7R0X	C CAPACITOR	7pF 50V J		C991	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C712	NDC31HJ-180X	C CAPACITOR	18pF 50V J		C995	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C713	NDC31HJ-330X	C CAPACITOR	33pF 50V J						
C714	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R2	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C715	NCB31HK-104X	C CAPACITOR	0.1uF 50V K		R3	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C716	NBE20JM-476X	TA E CAPACITOR	47uF 6.3V M		R4	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C717	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R5	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
C718	NBE20JM-226X	TA E CAPACITOR	22uF 6.3V M		R6	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
C719	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R7	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
C720	NBE20JM-476X	TA E CAPACITOR	47uF 6.3V M		R8	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
C721	NCB31HK-104X	C CAPACITOR	0.1uF 50V K		R9	NRS181J-6R8X	MG RESISTOR	6.8Ω 1/8W J	
C726	NCB31AK-474X	C CAPACITOR	0.47uF 10V K		R11	NRSA63J-752X	MG RESISTOR	7.5kΩ 1/16W J	
C729	NDC31HJ-101X	C CAPACITOR	100pF 50V J	E,EX, EY,EU	R12	NRSA63J-752X	MG RESISTOR	7.5kΩ 1/16W J	
C730	NCB31CK-473X	C CAPACITOR	0.047uF 16V K		R16	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
C754	NEAF0JM-227X	E CAPACITOR	220uF 6.3V M		R17	NRSA02J-100X	MG RESISTOR	10Ω 1/10W J	
C755	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R18	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
C774	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R19	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
C777	NCB31HK-104X	C CAPACITOR	0.1uF 50V K		R20	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
C794	NEAF1CM-476X	E CAPACITOR	47uF 16V M		R21	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
C795	NEAF1CM-107X	E CAPACITOR	100uF 16V M		R22	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
C796	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M		R23	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
C797	NEAF0JM-107X	E CAPACITOR	100uF 6.3V M		R24	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
C808	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R25	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
C820	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M		R26	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
C841	NEAF1HM-104X	E CAPACITOR	0.1uF 50V M		R27	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
C851	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	U,UN, UT,UH	R28	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C856	NCB31HK-104X	C CAPACITOR	0.1uF 50V K		R29	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C881	NEAF1CM-106X	E CAPACITOR	10uF 16V M		R30	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
C891	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R31	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
C893	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R32	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
C901	QEZ0769-278	E CAPACITOR	2700uF		R33	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
C902	NCB31HK-104X	C CAPACITOR	0.1uF 50V K		R34	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C903	NCB31HK-471X	C CAPACITOR	470pF 50V K		R36	NRSA02J-100X	MG RESISTOR	10Ω 1/10W J	
C905	NEAF1CM-226X	E CAPACITOR	22uF 16V M		R37	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C906	NEAF1CM-106X	E CAPACITOR	10uF 16V M		R38	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
C908	NEAF1AM-107X	E CAPACITOR	100uF 10V M		R39	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
C909	NEAF1CM-106X	E CAPACITOR	10uF 16V M		R40	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
C910	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R41	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
C911	NCB31AK-474X	C CAPACITOR	0.47uF 10V K		R42	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
C912	NEAF1AM-107X	E CAPACITOR	100uF 10V M		R43	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
C913	NEAF1AM-107X	E CAPACITOR	100uF 10V M		R44	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
C914	NEAF1CM-226X	E CAPACITOR	22uF 16V M		R45	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
					R46	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
					R47	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
R48	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J		R239	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R49	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J		R240	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R50	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J		R241	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R51	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R242	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R53	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R243	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R54	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R244	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R55	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R245	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R56	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R246	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R57	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R247	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R58	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R249	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R61	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R250	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R62	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R251	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R141	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R252	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R142	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R253	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R143	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R255	NRSA63J-225X	MG RESISTOR	2.2MΩ 1/16W J	
R144	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J		R256	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R145	NRSA63J-243X	MG RESISTOR	24kΩ 1/16W J		R257	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R146	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		R259	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R148	NRS181J-471X	MG RESISTOR	470Ω 1/8W J		R261	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R151	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R264	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R152	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R266	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R153	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J		R267	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R155	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		R268	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R161	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R269	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R162	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R270	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R163	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R271	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R164	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J		R273	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R165	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R274	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R166	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R275	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R167	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R276	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R168	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R277	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R169	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R278	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R170	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R281	NRS181J-1R0X	MG RESISTOR	1Ω 1/8W J	
R171	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R284	NRSA63J-202X	MG RESISTOR	2kΩ 1/16W J	
R172	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R285	NRSA63J-201X	MG RESISTOR	200Ω 1/16W J	
R173	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R286	NRSA63J-512X	MG RESISTOR	5.1kΩ 1/16W J	
R174	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R287	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R175	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R288	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R176	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R301	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R177	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R302	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R179	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J		R307	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R181	NRSA63J-512X	MG RESISTOR	5.1kΩ 1/16W J		R309	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R182	NRSA63J-512X	MG RESISTOR	5.1kΩ 1/16W J		R311	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R183	NRSA63J-201X	MG RESISTOR	200Ω 1/16W J		R313	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R184	NRSA63J-201X	MG RESISTOR	200Ω 1/16W J		R315	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R185	NRSA63J-752X	MG RESISTOR	7.5kΩ 1/16W J		R316	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R186	NRSA63J-752X	MG RESISTOR	7.5kΩ 1/16W J		R317	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R189	NRSA63J-150X	MG RESISTOR	15Ω 1/16W J		R321	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
R191	NRSA63J-512X	MG RESISTOR	5.1kΩ 1/16W J		R322	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R192	NRSA63J-512X	MG RESISTOR	5.1kΩ 1/16W J		R323	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R193	NRSA63J-201X	MG RESISTOR	200Ω 1/16W J		R331	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
R194	NRSA63J-752X	MG RESISTOR	7.5kΩ 1/16W J		R332	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R195	NRSA63J-201X	MG RESISTOR	200Ω 1/16W J		R333	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R196	NRSA63J-752X	MG RESISTOR	7.5kΩ 1/16W J		R341	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
R197	NRSA63J-150X	MG RESISTOR	15Ω 1/16W J		R342	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R201	NRSA63J-512X	MG RESISTOR	5.1kΩ 1/16W J		R343	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R202	NRSA63J-512X	MG RESISTOR	5.1kΩ 1/16W J		R351	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
R203	NRSA63J-201X	MG RESISTOR	200Ω 1/16W J		R352	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R204	NRSA63J-752X	MG RESISTOR	7.5kΩ 1/16W J		R353	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R205	NRSA63J-201X	MG RESISTOR	200Ω 1/16W J		R398	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R206	NRSA63J-752X	MG RESISTOR	7.5kΩ 1/16W J		R399	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R209	NRSA63J-150X	MG RESISTOR	15Ω 1/16W J		R401	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R211	NRSA63J-512X	MG RESISTOR	5.1kΩ 1/16W J		R402	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R212	NRSA63J-512X	MG RESISTOR	5.1kΩ 1/16W J		R403	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R213	NRSA63J-201X	MG RESISTOR	200Ω 1/16W J		R404	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R214	NRSA63J-201X	MG RESISTOR	200Ω 1/16W J		R405	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R215	NRSA63J-752X	MG RESISTOR	7.5kΩ 1/16W J		R406	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R216	NRSA63J-752X	MG RESISTOR	7.5kΩ 1/16W J		R407	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R219	NRSA63J-150X	MG RESISTOR	15Ω 1/16W J		R408	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R221	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J		R409	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R231	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R410	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R232	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R411	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R233	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R412	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R234	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R414	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R235	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J		R415	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R236	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R416	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R237	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R417	NQR0022-001X	FERRITE BEADS		
R238	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J		R418	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
R419	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R755	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R421	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J		R756	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R435	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J		R757	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R436	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J		R758	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R437	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J		R759	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R439	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		R760	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R440	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		R761	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R441	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R762	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R442	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R763	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R444	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J		R764	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R446	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J		R765	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R447	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R767	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R448	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		R768	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R452	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R769	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R461	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		R770	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R701	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R771	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R702	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R772	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R704	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R774	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R705	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J		R775	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R706	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R776	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R707	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J		R777	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R708	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R778	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R709	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J		R779	NRSA63J-394X	MG RESISTOR	390kΩ 1/16W J	
R712	NRSA63J-106X	MG RESISTOR	10MΩ 1/16W J		R780	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R713	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		R781	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R714	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R782	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R715	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R783	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R716	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R784	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R718	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R785	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R719	NRSA63J-622X	MG RESISTOR	6.2kΩ 1/16W J		R786	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R720	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	J,U,U N,UT, UH	R787	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R721	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	E,EX, EY,EU	R788	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R722	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	J	R789	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R723	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	E,EX, EY,EU ,U,UN ,UT,U H	R790	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	E,EX, EY,EU
R724	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	J,U,U N,UT, UH	R791	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R725	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	E,EX, EY,EU	R794	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R726	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	U,UN, UT,UH	R795	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R727	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J		R797	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R728	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R799	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R729	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	J,U,U N,UT, UH	R801	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R729	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	E,EX, EY,EU	R802	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R730	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J		R803	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R731	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R804	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R732	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R805	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R733	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J		R806	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R734	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J		R807	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R735	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R808	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R736	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J		R809	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R737	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R810	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R738	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R811	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R739	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R812	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R740	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R813	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R741	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R814	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R742	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		R815	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R743	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R816	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R744	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R817	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R745	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R818	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R746	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R819	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R747	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R820	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R748	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J		R841	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R749	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R842	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R750	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R851	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	U,UN, UT,UH
R751	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R856	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R752	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R861	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R753	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R881	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R754	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		R882	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
					R883	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
					R891	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
					R892	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
					R893	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
					R905	NRSA63J-912X	MG RESISTOR	9.1kΩ 1/16W J	
					R906	NRS181J-102X	MG RESISTOR	1kΩ 1/8W J	
					R907	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
					R908	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
					R909	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
					R911	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	

△ Symbol No.	Part No.	Part Name	Description	Local
R912	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	U,UN, UT,UH
R913	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R914	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R915	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R916	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R917	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R918	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R923	NRSA63J-394X	MG RESISTOR	390kΩ 1/16W J	
R924	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R925	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J	
R926	NRSA63J-913X	MG RESISTOR	91kΩ 1/16W J	
R927	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R928	NRS181J-181X	MG RESISTOR	180Ω 1/8W J	
R929	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R943	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R946	NRS181J-272X	MG RESISTOR	2.7kΩ 1/8W J	
R955	NRS181J-6R8X	MG RESISTOR	6.8Ω 1/8W J	
R959	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R960	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R961	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R962	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R963	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R964	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R965	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R966	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R967	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R968	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R969	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R970	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R971	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R972	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R973	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R991	NRS181J-0R0X	MG RESISTOR	0Ω 1/8W J	
R993	NRS181J-0R0X	MG RESISTOR	0Ω 1/8W J	
RA401	NRZ0065-472X	MG RESISTOR	4.7kΩ	
L1	NQL79GM-4R7X	COIL	4.7uH M	
L15	NQR0129-003X	FERRITE BEADS		
L16	NQL093K-1R8X	COIL	1.8uH K	
L17	NQL093K-1R8X	COIL	1.8uH K	
L18	NQL093K-2R2X	COIL	2.2uH K	
L19	NQR0129-003X	FERRITE BEADS		
L20	NQR0129-003X	FERRITE BEADS		
L221	NQL77GM-221X	C CAPACITOR	220uH M	
L222	NQL77GM-221X	C CAPACITOR	220uH M	
L223	NQL77GM-221X	C CAPACITOR	220uH M	
L224	NQL77GM-221X	C CAPACITOR	220uH M	
L232	NQL382M-100X	COIL	10uH M	
L244	NQL093K-1R8X	COIL	1.8uH K	
L245	NQL093K-1R8X	COIL	1.8uH K	
L257	NQL093K-1R8X	COIL	1.8uH K	
L281	NQLB7GM-100X	COIL	10uH M	
L282	NQL70CM-221X	COIL	220uH M	
L283	NQL79GM-100X	COIL	10uH M	
L701	NQL79GM-100X	COIL	10uH M	
L702	NQL79GM-100X	COIL	10uH M	
L725	NQL79GM-4R7X	COIL	4.7uH M	
L901	NQL114K-100X	COIL	10uH K	
L921	NQLE74M-100X	COIL	10uH M	
L922	NQL71EM-330X	COIL	33uH M	
L943	NQL98EM-151X	COIL	150uH M	
L944	NQLE5CM-100X	COIL	10uH M	
L961	NQL79GM-470X	COIL	47uH M	
BZ841	QAN0023-001Z	BUZZER		E,EX, EY,EU
CN291	QGA2006C1-04	CONNECTOR	W-B (1-4)	
CN701	QGF1041C3-20W	CONNECTOR	FFC/FPC (1-20)	
CN702	QGA2006C1-02	CONNECTOR	W-B (1-2)	
CN721	QGB2027M5-20S	CONNECTOR	B-B (1-20)	
CN901	QNZ0090-001	CAR CONNECTOR		
CN961	QGA2501C1-02	CONNECTOR	W-B (1-2)	
CN962	QGA2001C1-04	CONNECTOR	W-B (1-4)	
J1	QAM0556-001	ANT CABLE		
J321	QNN0748-001	PIN JACK		
J801	QNZ0095-001	CONNECTOR		
PP1	QZW0010-001	STYLE PIN		

△ Symbol No.	Part No.	Part Name	Description	Local
PP2	QZW0010-001	STYLE PIN		Ω
TH945	NAD0031-005X	N THERMISTOR		
△ TU1	QAU0444-001	TUNER PACK		32.768KHz
X15	NAX0749-001X	CRYSTAL		
X255	NAX0664-001X	CRYSTAL		
X402	NAX0832-001X	CRYSTAL		
X709	NAX0844-001X	CRYSTAL		
X713	QAX0401-001	CRYSTAL		

Switch board

Block No. [0][2]

△ Symbol No.	Part No.	Part Name	Description	Local
△ IC601	MN103SB9NEG	IC		
IC605	SA16M90TFIR12D	IC(PROGRAMED)		
IC606	GP1UX511RK	RM.RECEIVER		
IC610	NUJ7241F33-X	IC		
IC620	IC-PST3424U-X	IC		
IC640	SN74AHC126PW-X	IC		
△ IC660	UPD78F0500MRC01	IC		
Q6001	2SC3928A/QR/-X	TRANSISTOR		
Q6151	2SA1530A/QR/-X	TRANSISTOR		
Q6161	2SA1530A/QR/-X	TRANSISTOR		
Q6201	2SC3928A/QR/-X	TRANSISTOR		
D6021	1SS355W-X	DIODE C.M		
D6022	MC2836-X	DIODE		
D6114	UDZW6.2B-X	DIODE		
D6118	UDZW6.2B-X	DIODE		
D6119	UDZW6.2B-X	DIODE		
D6120	UDZW6.2B-X	DIODE		
D6161	MC2838-X	DIODE		
D6301	SML310BA1T/HJ-X	LED		
D6302	SML310BA1T/HJ-X	LED		
D6303	SML310BA1T/HJ-X	LED		
D6304	SML310BA1T/HJ-X	LED		
D6305	SML310BA1T/HJ-X	LED		
D6306	SML310BA1T/HJ-X	LED		
D6307	SML310BA1T/HJ-X	LED		
D6308	SML310BA1T/HJ-X	LED		
D6309	SML310BA1T/HJ-X	LED		
D6310	NECBB205/WPQR/X	LED		
D6311	NECBB205/WPQR/X	LED		
D6312	NECBB205/WPQR/X	LED		
D6313	NECBB205/WPQR/X	LED		
D6314	SML310BA1T/HJ-X	LED		
D6315	SML310BA1T/HJ-X	LED		
D6404	MC2838-X	DIODE		
D6501	UDZW5.1B-X	SI DIODE		
D6502	UDZW5.1B-X	SI DIODE		
C6011	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C6013	NCB31HK-473X	C CAPACITOR	0.047uF 50V K	
C6016	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C6020	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C6021	NCB31HK-473X	C CAPACITOR	0.047uF 50V K	
C6022	NCB31HK-473X	C CAPACITOR	0.047uF 50V K	
C6025	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C6051	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C6052	NCB31HK-473X	C CAPACITOR	0.047uF 50V K	
C6053	NCB31HK-471X	C CAPACITOR	470pF 50V K	
C6081	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C6111	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C6112	NCB31HK-473X	C CAPACITOR	0.047uF 50V K	
C6113	NCB31HK-473X	C CAPACITOR	0.047uF 50V K	
C6114	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C6202	NBE20JM-475X	TA E CAPACITOR	4.7uF 6.3V M	
C6301	NBE20JM-476X	TA E CAPACITOR	47uF 6.3V M	
C6302	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6303	NCZ1070-103X	C CAPACITOR	0.01uF	
C6304	NCZ1070-103X	C CAPACITOR	0.01uF	
C6305	NCZ1070-103X	C CAPACITOR	0.01uF	

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
C6306	NCZ1070-103X	C CAPACITOR	0.01uF		R6161	NRSA63J-301X	MG RESISTOR	300Ω 1/16W J	
C6307	NCB31HK-104X	C CAPACITOR	0.1uF 50V K		R6162	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
C6309	NCZ1070-103X	C CAPACITOR	0.01uF		R6163	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
C6310	NCZ1070-103X	C CAPACITOR	0.01uF		R6164	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
C6501	NBE20JM-476X	TA E CAPACITOR	47uF 6.3V M		R6165	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
C6503	NCB31AK-474X	C CAPACITOR	0.47uF 10V K		R6166	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
C6601	NCB31AK-474X	C CAPACITOR	0.47uF 10V K		R6171	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
C6602	NCB31HK-473X	C CAPACITOR	0.047uF 50V K		R6172	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
C6603	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M		R6201	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R6011	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R6301	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6012	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R6302	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6013	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		R6303	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6014	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R6304	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6016	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R6305	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6017	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		R6306	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6018	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R6307	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6019	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R6308	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6020	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R6309	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6021	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R6310	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6022	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R6311	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R6023	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R6312	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R6024	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R6313	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R6025	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R6314	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R6026	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R6315	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6027	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R6316	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6028	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R6317	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6029	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R6318	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6030	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		R6319	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6031	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R6320	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6032	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R6321	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6033	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R6322	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6034	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R6323	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R6035	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R6324	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R6036	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R6325	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6037	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R6326	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6038	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R6327	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6039	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R6328	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6040	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R6329	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6042	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J		R6330	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6044	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		R6401	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R6046	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J		R6402	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R6047	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		R6403	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R6048	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R6404	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R6049	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R6405	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R6050	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R6406	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R6051	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R6407	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R6057	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R6408	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R6058	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R6503	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R6066	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		R6504	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R6067	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		R6602	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6068	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J		R6604	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6069	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		RA601	NRZ0065-330X	NET RESISTOR	33Ω 1/16W J	
R6070	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J		RA602	NRZ0065-330X	NET RESISTOR	33Ω 1/16W J	
R6072	NRSA63J-474X	MG RESISTOR	470kΩ 1/16W J		RA603	NRZ0065-330X	NET RESISTOR	33Ω 1/16W J	
R6073	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		RA604	NRZ0065-330X	NET RESISTOR	33Ω 1/16W J	
R6074	NRSA63J-513X	MG RESISTOR	51kΩ 1/16W J		RA605	NRZ0065-330X	NET RESISTOR	33Ω 1/16W J	
R6075	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		RA606	NRZ0065-330X	NET RESISTOR	33Ω 1/16W J	
R6076	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J		RA607	NRZ0065-330X	NET RESISTOR	33Ω 1/16W J	
R6077	NRSA63J-513X	MG RESISTOR	51kΩ 1/16W J		RA608	NRZ0065-330X	NET RESISTOR	33Ω 1/16W J	
R6078	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J		RA609	NRZ0065-330X	NET RESISTOR	33Ω 1/16W J	
R6081	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J		L6011	NQL79GM-4R7X	COIL	4.7uH M	
R6082	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J		L6111	NQL79GM-470X	COIL	47uH M	
R6083	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		L6301	NQL79GM-4R7X	COIL	4.7uH M	
R6084	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		L6501	NQR0536-001X	CHOKE COIL		
R6085	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J						
R6086	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J		CN601	NNZ0162-001X	CONNECTOR		
R6087	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J		CN650	QNZ0854-001	USB CONNECTOR		
R6091	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		EN601	QSW1025-001	ROTARY ENCODER		
R6092	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		F6501	NAD0031-004X	N THERMISTOR	Ω	
R6093	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		K6301	NQR0007-002X	FERRITE BEADS		
R6151	NRSA63J-301X	MG RESISTOR	300Ω 1/16W J		K6302	NQR0007-002X	FERRITE BEADS		
R6152	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J		K6304	NQR0007-002X	FERRITE BEADS		
R6153	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J		K6502	NQR0007-002X	FERRITE BEADS		
R6154	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J		S6021	NSW0246-001X	TACK SW		
R6155	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J		S6151	NSW0246-001X	TACK SW		
R6156	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		S6152	NSW0246-001X	TACK SW		
R6157	NRSA63J-474X	MG RESISTOR	470kΩ 1/16W J		S6153	NSW0246-001X	TACK SW		

△ Symbol No.	Part No.	Part Name	Description	Local
S6154	NSW0246-001X	TACK SW		
S6155	NSW0246-001X	TACK SW		
S6156	NSW0246-001X	TACK SW		
S6161	NSW0246-001X	TACK SW		
S6162	NSW0246-001X	TACK SW		
S6163	NSW0246-001X	TACK SW		
S6164	NSW0246-001X	TACK SW		
S6165	NSW0246-001X	TACK SW		
X6011	NAX0841-001X	C RESONATOR		
X6601	NAX0663-001X	C RESONATOR	10.000MHz	

Mechanism control board

Block No. [0][3]

△ Symbol No.	Part No.	Part Name	Description	Local
IC430	SN74AHC04PW-X	IC		
IC501	TMP91CY22FG6GP3	IC		
IC502	BR24L01AFV-W-X	IC		
IC503	SN74AHCT126PW-X	IC(DIGITAL)		
IC504	NJU7241F33-X	IC		
IC601	TC94A15FG	IC		
IC651	NJU772F15-X	IC		
IC652	TC94A34FG-002	IC		
IC653	MSM51V17405F5TS	IC		
IC654	SN74CBTLV3257PX	IC		
IC655	SN74AHC1G08V-X	IC		
IC681	LA6242H-X	IC		
Q430	2SB624/4/-X	TRANSISTOR		
Q431	UN2211-X	TRANSISTOR		
Q501	UN211M-X	DIGI TRANSISTOR		
Q502	UN2211-X	TRANSISTOR		
Q503	RPM-22PB	PHOTO		
Q504	UN2211-X	TRANSISTOR		
Q601	2SB1132/QR/-W	TRANSISTOR		
Q651	UN2211-X	TRANSISTOR		
Q652	2SB624/4/-X	TRANSISTOR		
Q681	2SB1184/QR/-X	TRANSISTOR		
D506	1SS355-X	SI DIODE		
D682	1SR154-400-X	DIODE		
C431	NDC31HJ-270X	C CAPACITOR	27pF 50V J	
C432	NDC31HJ-270X	C CAPACITOR	27pF 50V J	
C433	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C501	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C502	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C503	NEAG0GM-227X	E CAPACITOR	220uF 4V M	
C504	NDC31HJ-220X	C CAPACITOR	22pF 50V J	
C505	NDC31HJ-220X	C CAPACITOR	22pF 50V J	
C506	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C507	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C508	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C509	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C510	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C511	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C512	NEAG0GM-227X	E CAPACITOR	220uF 4V M	
C513	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C514	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C516	NEAG0GM-227X	E CAPACITOR	220uF 4V M	
C530	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C551	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C597	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C598	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C599	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C601	NEAF0JM-107X	E CAPACITOR	100uF 6.3V M	
C602	NCB31HK-681X	C CAPACITOR	680pF 50V K	
C603	NEAF0JM-107X	E CAPACITOR	100uF 6.3V M	
C604	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C605	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C606	NEAF0JM-476X	E CAPACITOR	47uF 6.3V M	
C607	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	

△ Symbol No.	Part No.	Part Name	Description	Local
C608	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C610	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C612	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C613	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C614	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C615	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	
C616	NEAF0JM-476X	E CAPACITOR	47uF 6.3V M	
C617	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C618	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C621	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C622	NEAF0JM-476X	E CAPACITOR	47uF 6.3V M	
C623	NCS31HJ-470X	C CAPACITOR	47pF 50V J	
C624	NCB31HK-153X	C CAPACITOR	0.015uF 50V K	
C625	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C626	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C627	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C629	NCB31EK-333X	C CAPACITOR	0.033uF 25V K	
C630	NCB31EK-333X	C CAPACITOR	0.033uF 25V K	
C631	NCS31HJ-471X	C CAPACITOR	470pF 50V J	
C632	NCS31HJ-471X	C CAPACITOR	470pF 50V J	
C633	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C634	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C635	NCB31CK-153X	C CAPACITOR	0.015uF 16V K	
C636	NCB31CK-473X	C CAPACITOR	0.047uF 16V K	
C637	NCB31CK-473X	C CAPACITOR	0.047uF 16V K	
C638	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C640	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C641	NEAF0JM-476X	E CAPACITOR	47uF 6.3V M	
C642	NCS31HJ-101X	C CAPACITOR	100pF 50V J	
C643	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C644	NCB31AK-334X	C CAPACITOR	0.33uF 10V K	
C645	NEAF0JM-476X	E CAPACITOR	47uF 6.3V M	
C646	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C647	NCS31HJ-680X	C CAPACITOR	68pF 50V J	
C648	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C649	NCB31HK-562X	C CAPACITOR	5600pF 50V K	
C651	NEAF0JM-476X	E CAPACITOR	47uF 6.3V M	
C652	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C653	NEAF0JM-476X	E CAPACITOR	47uF 6.3V M	
C654	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C655	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C656	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C658	NEAF0JM-476X	E CAPACITOR	47uF 6.3V M	
C659	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C660	NCS31HJ-101X	C CAPACITOR	100pF 50V J	
C661	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C662	NCS31HJ-101X	C CAPACITOR	100pF 50V J	
C663	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C664	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C665	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C666	NCS31HJ-101X	C CAPACITOR	100pF 50V J	
C668	NEAF0JM-476X	E CAPACITOR	47uF 6.3V M	
C669	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C670	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C671	NBE21AM-106X	TA E CAPACITOR	10uF 10V M	
C672	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C674	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C675	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C677	NDC31HJ-471X	C CAPACITOR	470pF 50V J	
C678	NDC31HJ-471X	C CAPACITOR	470pF 50V J	
C680	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C682	NEAF1EM-475X	E CAPACITOR	4.7uF 25V M	
C683	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C684	NEAF1CM-476X	E CAPACITOR	47uF 16V M	
C685	NCB31CK-473X	C CAPACITOR	0.047uF 16V K	
C686	NCB31CK-473X	C CAPACITOR	0.047uF 16V K	
C687	NCB31CK-473X	C CAPACITOR	0.047uF 16V K	
C688	NCB31CK-473X	C CAPACITOR	0.047uF 16V K	
C689	NEAF1CM-476X	E CAPACITOR	47uF 16V M	
C690	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C693	NEAF1CM-476X	E CAPACITOR	47uF 16V M	
C907	NEAF0JM-476X	E CAPACITOR	47uF 6.3V M	
C908	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
R431	NRSA63J-225X	MG RESISTOR	2.2MΩ 1/16W J	
R432	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R434	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R437	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
R438	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R584	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R439	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R585	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R440	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		R586	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R441	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		R587	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R501	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R588	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R502	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R589	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R503	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R590	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R504	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R591	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R505	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R592	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R506	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		R593	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R507	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		R594	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R508	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		R599	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R509	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		R601	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R510	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R602	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R511	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R603	NRSA63D-183X	MG RESISTOR	18kΩ 1/16W D	
R512	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		R604	NRSA63D-183X	MG RESISTOR	18kΩ 1/16W D	
R513	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R605	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R514	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		R606	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R515	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		R609	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R516	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R611	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R517	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R612	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R518	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R613	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R519	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R614	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R520	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R615	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R521	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R617	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R522	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R618	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R523	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R619	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R524	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R621	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R526	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		R622	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R527	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		R623	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R531	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		R624	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R532	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		R625	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R533	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R626	NRSA63J-474X	MG RESISTOR	470kΩ 1/16W J	
R534	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R627	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R539	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		R628	NRSA63J-225X	MG RESISTOR	2.2MΩ 1/16W J	
R540	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		R629	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R541	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R630	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R542	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R631	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R543	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R632	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R544	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R635	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R545	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R636	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R546	NRSA63J-271X	MG RESISTOR	27Ω 1/16W J		R637	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R547	NRSA63J-271X	MG RESISTOR	27Ω 1/16W J		R638	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R548	NRSA63D-822X	MG RESISTOR	8.2kΩ 1/16W D		R639	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R549	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J		R640	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R550	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J		R641	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R551	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J		R642	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R552	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J		R643	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R553	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J		R651	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R554	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J		R653	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R555	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R655	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R556	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R656	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R557	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J		R657	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R558	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J		R658	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R559	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R659	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R560	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R660	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R561	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J		R661	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R562	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J		R665	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R563	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J		R666	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R564	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R675	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R565	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R678	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R566	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R680	NRSA63J-243X	MG RESISTOR	24kΩ 1/16W J	
R567	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		R681	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R568	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R682	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R569	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R683	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R570	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R684	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R571	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		R685	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R573	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J		R686	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R574	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J		R687	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R575	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J		R688	NRSA63D-163X	MG RESISTOR	16kΩ 1/16W D	
R576	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J		R689	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	
R577	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R901	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R578	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R902	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R579	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R903	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R580	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R904	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R581	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R905	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R582	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R906	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R583	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R907	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	

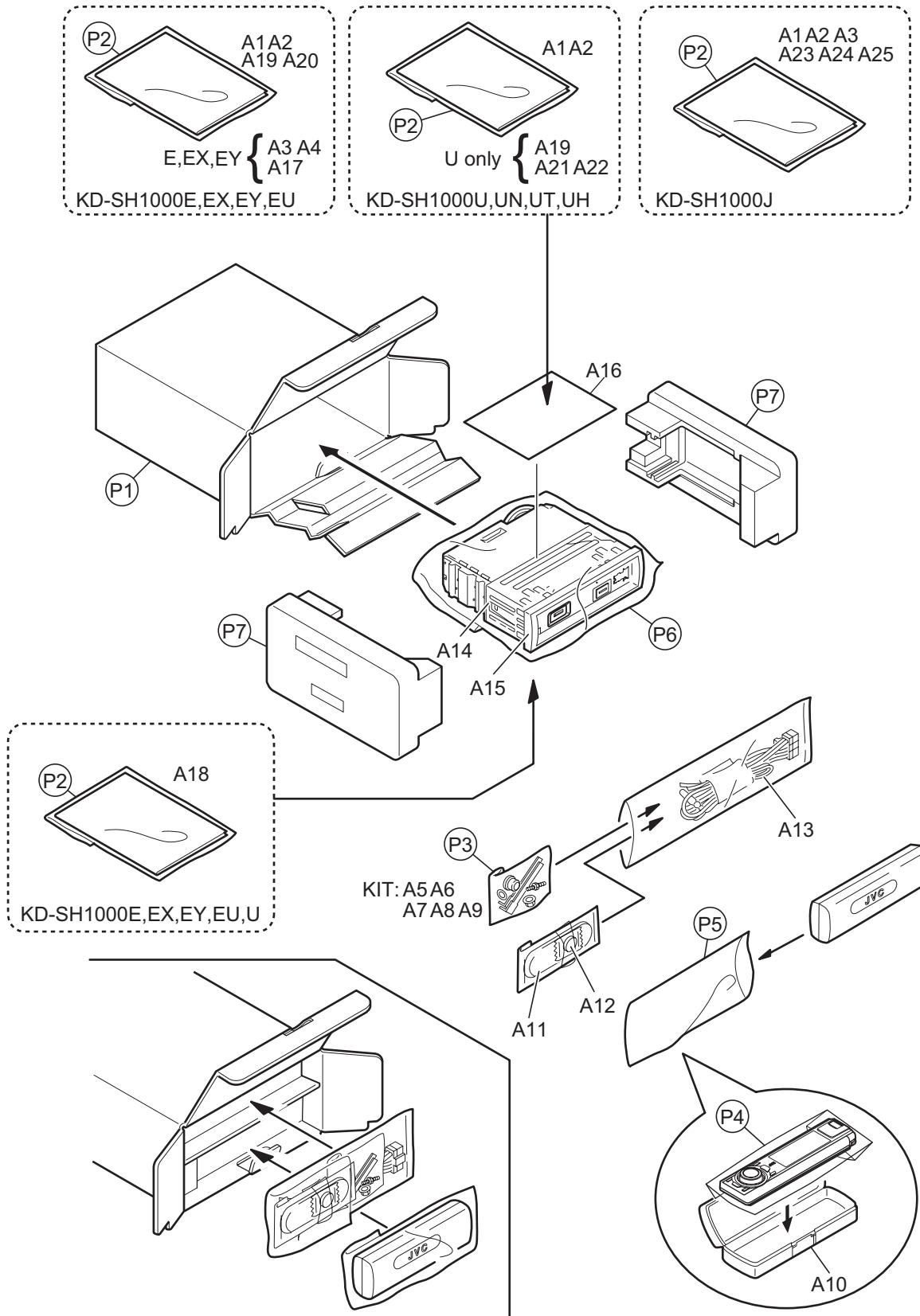
Symbol No.	Part No.	Part Name	Description	Local
R908	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R909	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
L432	NQL093K-1R8X	COIL	1.8uH K	
L501	NQL114K-470X	COIL	47uH K	
L502	NQL114K-470X	COIL	47uH K	
L621	NQL114K-470X	COIL	47uH K	
L622	NQL114K-470X	COIL	47uH K	
L623	NQL114K-470X	COIL	47uH K	
L624	NQL114K-470X	COIL	47uH K	
L651	NQL114K-470X	COIL	47uH K	
L652	NQL114K-470X	COIL	47uH K	
L653	NQL114K-470X	COIL	47uH K	
L654	NQL114K-470X	COIL	47uH K	
L655	NQL114K-470X	COIL	47uH K	
L656	NQL114K-470X	COIL	47uH K	
L901	NQL114K-470X	COIL	47uH K	
CN502	QGF0501F1-08X	CONNECTOR	FFC/FPC (1-8)	
CN503	QGB2027L5-20X	CONNECTOR	B-B (1-20)	
CN601	QGF1006F2-15W	CONNECTOR	FFC/FPC (1-15)	
CN602	QGF1038F1-05X	CONNECTOR	FFC/FPC (1-5)	
CN901	NNZ0104-001X	SD CARD CONNE		
SW4	NSW0219-001X	PUSH SWITCH		
SW5	NSW0219-001X	PUSH SWITCH		
TH501	NAD0028-103X	N THERMISTOR	10kΩ	
X430	NAX0375-001X	CRYSTAL	16.9344MHz	
X501	NAX0385-001X	CRYSTAL	24.576MHz	

<MEMO>

Packing materials and accessories parts list

Block No. M 3 M M

No additional / supplemental order of WARRANTY CARDS are available



Packing and Accessories

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

△	Symbol No.	Part No.	Part Name	Description	Local
	A 1	GET0364-001A	INST BOOK	ENG FRE SPA	J
	A 1	GET0366-002A	INST BOOK	SPA GRE POR	E
	A 1	GET0366-003A	INST BOOK	ENG FRE	EX,EU
	A 1	GET0366-007A	INST BOOK	POL CZE HUN	EY
	A 1	GET0365-001A	INST BOOK	ENG THA	U,UH
	A 1	GET0365-004A	INST BOOK	ENG INA	UN
	A 1	GET0365-005A	INST BOOK	ENG CHI(TAIWAN)	UT
	A 2	GET0364-002A	INSTALL MANUAL		J
	A 2	GET0366-008A	INSTALL MANUAL		E
	A 2	GET0366-010A	INSTALL MANUAL		EX,EU
	A 2	GET0366-013A	INSTALL MANUAL		EY
	A 2	GET0365-006A	INSTALL MANUAL		U,UH
	A 2	GET0365-009A	INSTALL MANUAL		UN
	A 2	GET0365-010A	INSTALL MANUAL		UT
	A 3	-----	WARRANTY CARD	BT-52006-2	J
	A 3	-----	WARRANTY CARD	BT-54028-1	E,EX,EY
	A 4	VND3046-001	SERIAL TICKET		E,EX,EY
	A 5	VKZ4027-202	PLUG NUT		
	A 6	VKH4871-003	MOUNT BOLT		
	A 7	VKZ4328-003	LOCK NUT		
	A 8	QYWWS53A008ZA	WASHER	0mm/5.3mm x	
	A 9	GE40130-002A	HOOK	(x2)	
	A 10	FSJB3002-00F	HARD CASE ASSY		
	A 11	RM-RK300	REMOCON		
	A 12	-----	BATTERY		
△	A 13	QAM0826-001	CAR CABLE		J
△	A 13	QAM0566-002	CAR CABLE		E,EX,EY,EU
△	A 13	QAM0567-001	CAR CABLE		U,UN,UT,UH
	A 14	GE20137-003A	MOUNTING SLEEVE		
	A 15	GE20164-007A	TRIM PLATE		
	A 16	GET0346-001A	CAUTION SHEET		J
	A 16	GET0346-002A	CAUTION SHEET		E,EX,EY,EU
	A 16	GET0346-003A	CAUTION SHEET		U,UN,UT,UH
	A 17	VND3050-002	IDENTITY CARD		E,EX,EY
	A 18	GET0366-001A	INST BOOK	GER FRE ITA	E
	A 18	GET0366-004A	INST BOOK	DUT SWE DAN FIN	EX
	A 18	GET0366-006A	INST BOOK	ENG GER RUS	EY
	A 18	GET0366-005A	INST BOOK	SPA TUR PER	EU
	A 18	GET0365-002A	INST BOOK	CHI(TAIWAN) ARA PER KOR	U
	A 19	GET0366-009A	INSTALL MANUAL		E
	A 19	GET0366-011A	INSTALL MANUAL		EX
	A 19	GET0366-014A	INSTALL MANUAL		EY
	A 19	GET0366-012A	INSTALL MANUAL		EU
	A 19	GET0365-007A	INSTALL MANUAL		U
	A 20	LVT1435-001A	INST SHEET		E,EX,EY,EU
	A 21	GET0365-003A	INST BOOK		U
	A 22	GET0365-008A	INSTALL MANUAL		U
	A 23	LVT0717-001B	TROUBLE SHEET(C		J
	A 24	-----	WARRANTY CARD	BT-51018-4	J
	A 25	BT-51034-2	REGISTRATION CARD		J
	KIT	SRW-385U	SCREW PARTS KIT	A5 A6 A7 A8 A9	
	P 1	GE31952-002A	CARTON		J
	P 1	GE31958-002A	CARTON		E,EX,EY,EU
	P 1	GE31955-002A	CARTON		U,UN,UT,UH
	P 2	FSPG4002-001	POLY BAG		J,UN,UT,UH
	P 2	FSPG4002-001	POLY BAG	(x2)	E,EX,EY,EU,U
	P 3	QPA00801205	POLY BAG	8cm x 12cm	
	P 4	QPC01002515	POLY BAG	10cm x 25cm	
	P 5	QPA01003003	POLY BAG	10cm x 30cm	
	P 6	QPC03004315P	POLY BAG	30cm x 43cm	
	P 7	GE10086-004A	CUSHION	(x2)	