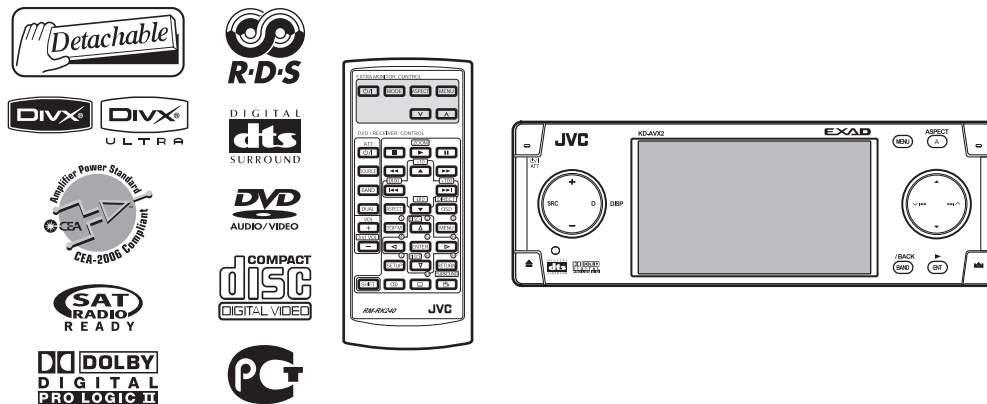


JVC

SERVICE MANUAL

DVD/CD RECEIVER

KD-AVX2J, KD-AVX2E, KD-AVX2EU, KD-AVX2EE, KD-AVX2U, KD-AVX2UN, KD-AVX2A



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

TABLE OF CONTENTS

| | | |
|---|-------------------------------------|------|
| 1 | PRECAUTIONS | 1-4 |
| 2 | SPECIFIC SERVICE INSTRUCTIONS | 1-7 |
| 3 | DISASSEMBLY | 1-8 |
| 4 | ADJUSTMENT | 1-23 |
| 5 | TROUBLESHOOTING | 1-33 |

SPECIFICATION

| AUDIO AMPLIFIER SECTION | | | |
|---------------------------------|--|------------------------|---|
| Power Output | Only the United States | | 20 W RMS × 4 Channels at 4 Ω and [\leq or \approx] 1% THD+N |
| Signal to Noise Ratio | Only the United States | | 80 dBA (reference: 1 W into 4 Ω) |
| | In countries other than the United States | | 70 dB |
| Maximum Power Output | In other countries | Front | 50 W per channel |
| | | Rear | 50 W per channel |
| Continuous Power Output (RMS) | In other countries | Front | 20 W per channel into 4 Ω, 40 Hz to 20 000 Hz at no more than 0.8% total harmonic distortion. |
| | | Rear | 20 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 | | 60 Hz, 150 Hz, 400 Hz, 1 kHz, 2.5 kHz, 6.3 kHz, 15 kHz |
| Level | | | ±10 dB |
| Line-In Level/Impedance | | | 1.5 V/20 kΩ load |
| Line-Out Level/Impedance | Only the United States and Southern Europe | | 2.5 V/20 kΩ load (full scale) |
| | In other countries | | 2.5 V/20 kΩ load (full scale) |
| Output Impedance | Only the United States and Southern Europe | | 1 kΩ |
| | In other countries | | 2.5 V/20 kΩ load (full scale) |
| Subwoofer-Out Level/ Impedance | Only the United States and Southern Europe | | 2.0 V/20 kΩ load (full scale) |
| | In other countries | | 2.5 V/20 kΩ load (full scale) |
| Color System | Only the United States | | NTSC |
| | In Europe | | PAL |
| | In other countries | | NTSC/PAL |
| Video Input (composite) | | | 1 Vp-p/75 Ω |
| Video Output (composite) | | | 1 Vp-p/75 Ω |
| Other Terminals | Only the United States and Europe | | 2nd AUDIO OUT, CD changer, Steering wheel remote input (OE REMOTE) |
| | In other countries | | 2nd AUDIO OUT, CD changer |
| TUNER SECTION | | | |
| Frequency Range | FM | Only the United States | 87.5 MHz to 107.9 MHz (with channel interval set to 100 kHz or 200 kHz) |
| | | Only the United States | 87.5 MHz to 108.0 MHz (with channel interval set to 50 kHz) |
| | | In other countries | 87.5 MHz to 108.0 MHz |
| | AM | Only the United States | 530 kHz to 1 710 kHz (with channel interval set to 10 kHz) |
| | | Only the United States | 531 kHz to 1 602 kHz (with channel interval set to 9 kHz) |
| | | In Europe | (MW) 522 kHz to 1 620 kHz |
| | | In Europe | (LW) 144 kHz to 279 kHz |
| | | In other countries | 531 kHz to 1 602 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 | | 35 dB |
| | Capture Ratio | | 1.5 dB |
| AM Tuner (In other countries) | Sensitivity | | 20 μV |
| | Selectivity | | 35 dB |
| MW Tuner (In Europe) | Sensitivity | | 20 μV |
| | Selectivity | | 35 dB |
| LW Tuner (In Europe) | Sensitivity | | 50 μV |

| DVD/CD PLAYER SECTION | | |
|---------------------------------|-----------------------------|---|
| Signal Detection System | | Non-contact optical pickup (semiconductor laser) |
| Number of Channels | | 2 channels (stereo) |
| Frequency Response | DVD fs=48 kHz | 16 Hz to 22 000 Hz |
| | DVD fs=192 kHz | 16 Hz to 88 000 Hz |
| | VCD, CD | 16 Hz to 20 000 Hz |
| Dynamic Range | | 93 dB |
| Signal-to-Noise Ratio | | 95 dB |
| Wow and Flutter | | Less than measurable limit |
| MP3 | Max. Bit Rate | 320 kbps |
| WMA | Max. Bit Rate | 320 kbps |
| MONITOR SECTION | | |
| Screen | | 3.5-inch wide liquid crystal panel |
| Number of Pixels | | 224 640 pixels |
| Drive Method | | TFT (Thin Film Transistor) active matrix format |
| Color system | Only the United States | NTSC |
| | In Europe | PAL |
| | In other countries | NTSC/PAL |
| GENERAL | | |
| Power Requirement | Operating Voltage | DC 14.4 V (11 V to 16 V allowance) |
| Grounding System | | Negative ground |
| Allowable Operating Temperature | | 0°C to +40°C (32°F to 104°F) |
| Dimensions (W × H × D) | Installation Size (approx.) | 182 mm × 52 mm × 160 mm (7-3/16" × 2-1/16" × 6-5/16") |
| | Panel Size (approx.) | 188 mm × 58 mm × 12 mm (7-7/16" × 2-5/16" × 1/2") |
| Mass (approx.) | | 1.9 kg (4.2 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

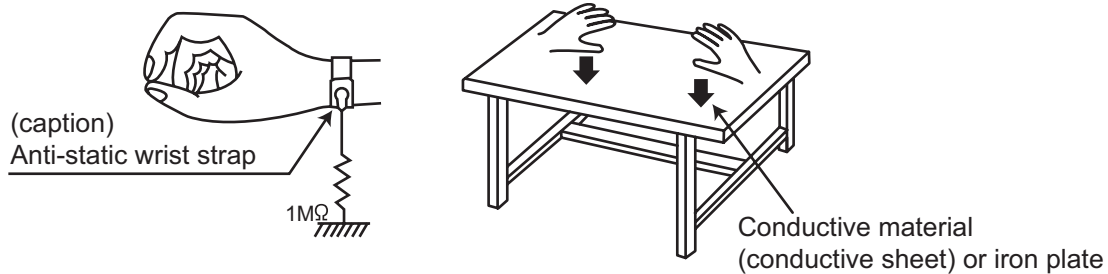
Static electricity in the work area can destroy the optical pickup (laser diode) in devices such as laser products. Be careful to use proper grounding in the area where repairs are being performed.

(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.

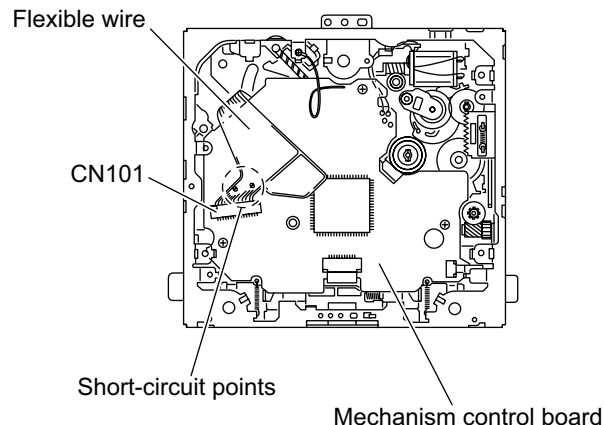
1.3 Handling the traverse unit (optical pickup)

- (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. | 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. |
| (e) | (d) | (s) | (f) |

SECTION 2

SPECIFIC SERVICE INSTRUCTIONS

This service manual does not describe SPECIFIC SERVICE INSTRUCTIONS.

SECTION 3 DISASSEMBLY

3.1 Main body section

3.1.1 Removing the panel assembly (See Fig.1)

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

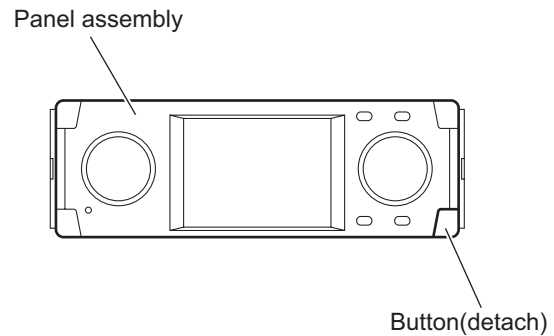


Fig.1

3.1.2 Removing the side heat sink (See Fig.2)

Reference:

Remove the panel assembly as required.

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

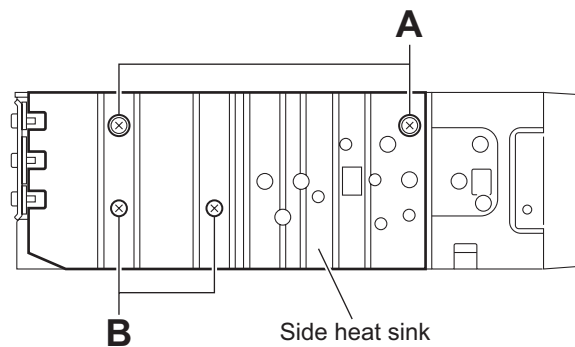


Fig.2

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

- Remove the panel assembly and side heat sink.
 - (1) From the top side of the main body, remove the two screws **C** attaching the top chassis assembly. (See Fig.3.)
 - (2) From the both sides of the main body, remove the two screws **D** attaching the top chassis assembly. (See Figs.4 and 5.)
 - (3) From the back side of the main body, remove the four screws **E** attaching the top chassis assembly. (See Fig.6.)
 - (4) Lift the top chassis assembly in the direction of the arrow. (See Fig.6.)
 - (5) Take out the top chassis assembly from the main body.

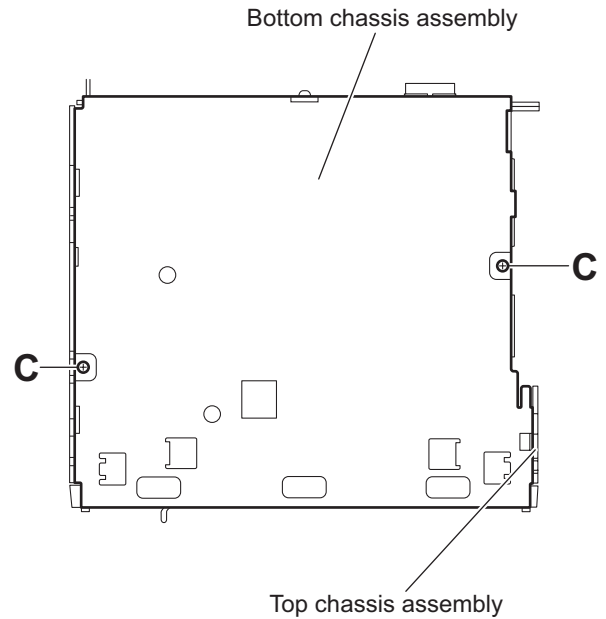


Fig.3

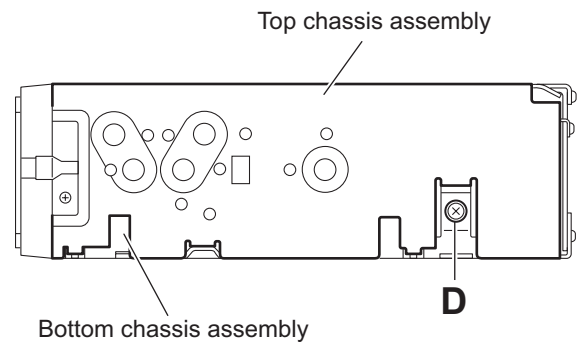


Fig.4

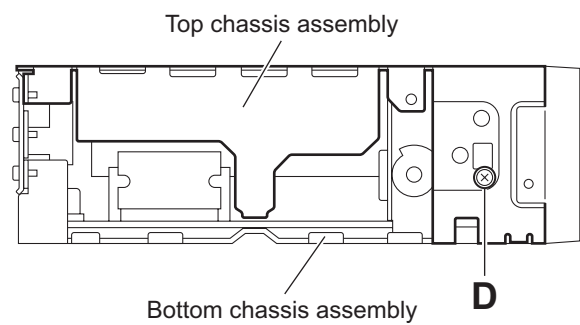


Fig.5

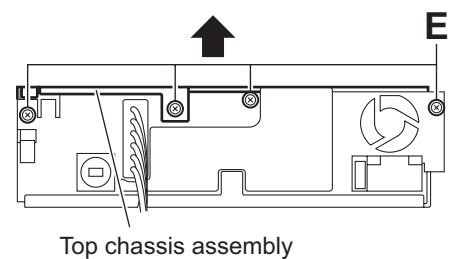


Fig.6

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

- Remove the panel assembly, side heat sink and top chassis assembly.
 - (1) From the both sides of the top chassis assembly, remove the two screws **E** attaching the front chassis assembly. (See Fig.7 and 8.)
 - (2) Remove the front chassis assembly from the top chassis assembly.

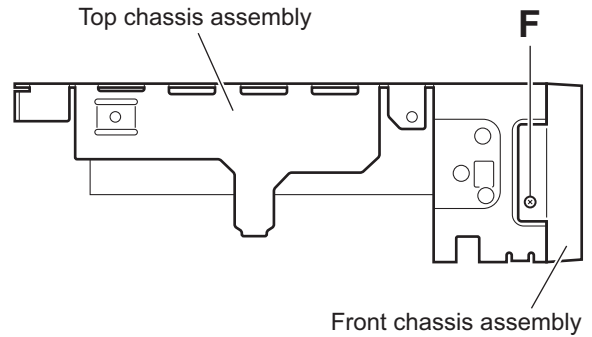


Fig.7

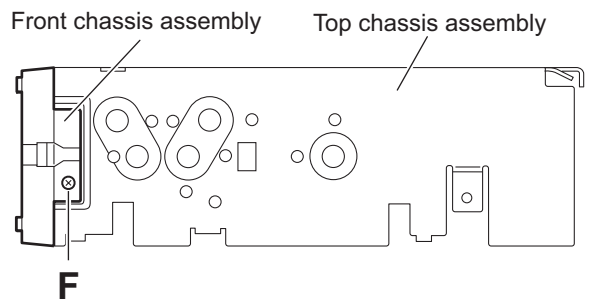


Fig.8

3.1.5 Removing the DVD mechanism assembly (See Figs.9)

- Remove the panel assembly, side 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 DVD mechanism assembly and take out the DVD mechanism assembly.
- (2) From the side of the DVD mechanism assembly, remove the double-stick tape fixing the insulator.
- (3) Remove the insulator from the top chassis assembly.

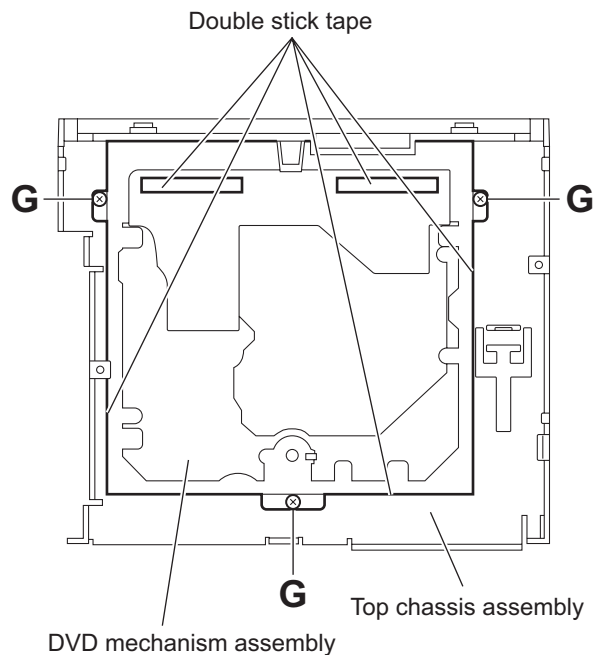


Fig.9

3.1.6 Removing the connection control board (See Fig.10)

- Remove the panel assembly, side heat sink, top chassis assembly and DVD mechanism assembly.
 - (1) From the top side of the DVD mechanism assembly, release the lock of the connector [CN965](#) on the connection control board and disconnect the card wire.
 - (2) Remove the two screws **H** attaching the connection control board on the DVD mechanism assembly and remove the connection control board.

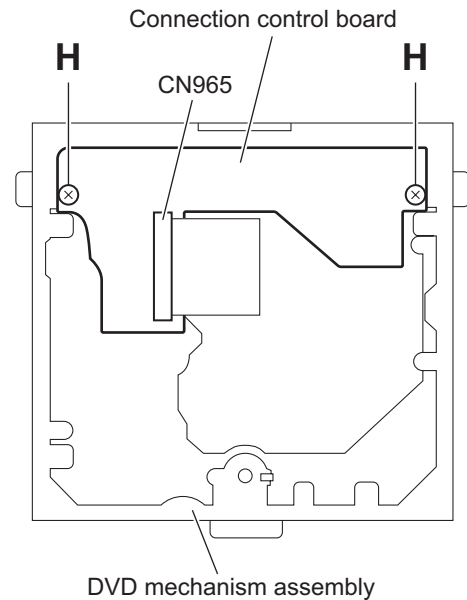


Fig.10

3.1.7 Removing the rear bracket (See Fig.11 to 13)

- Remove the panel assembly, side heat sink and top chassis assembly.

(1) Remove the screw **J**, screw **J'**, two screws **K** and screw **M** attaching the rear bracket. (See Fig. 11.)

Reference:

When attaching the screw **J'**, attach the wire holder with it as before.

- (2) Remove the screw **N** attaching the wire holder. (See Fig.11.)
- (3) Release the lock of the connector ([CN301](#), [CN311](#), [CN361](#), [CN861](#), [CN871](#), [CN931](#)) on the main board in an upward direction. (See Fig.12.)
- (4) Remove the car cable from the rear bracket. (See Fig.12.)

Note:

When attaching the car cable, do not touch the cable to X31, IC31, TU1 and IC701 then pushing down all the cable to main board side by wire clamp. (See Fig.13.)

- (5) Take out the rear bracket from the bottom chassis assembly.

3.1.8 Removing the main board (See Figs.12)

- Remove the panel assembly, side heat sink, top chassis assembly and rear bracket.

- (1) Release the lock of the connector [CN962](#) on the main board in an upward direction and disconnect the flexible wire.
- (2) Release the lock of the connector ([CN881](#), [CN891](#)) and disconnect the card wire.
- (3) Remove the two screws **P** attaching the main board to the bottom chassis assembly.
- (4) Take out the main board from the bottom chassis assembly.

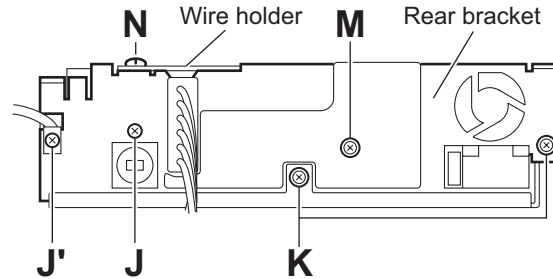


Fig.11

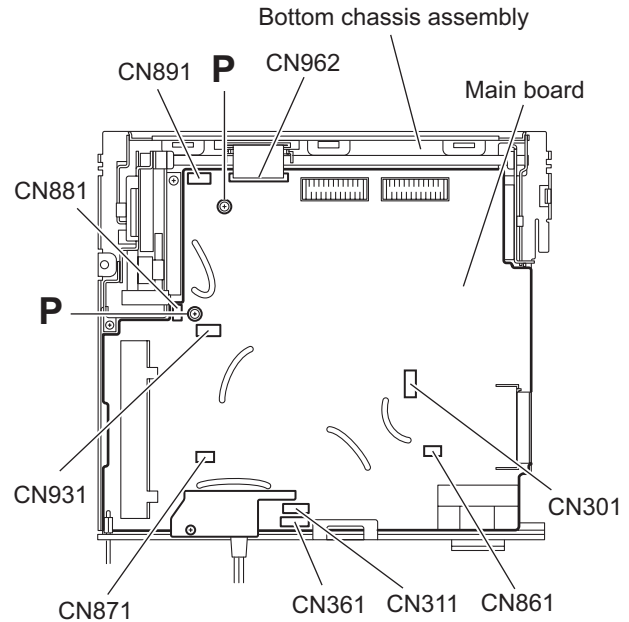


Fig.12

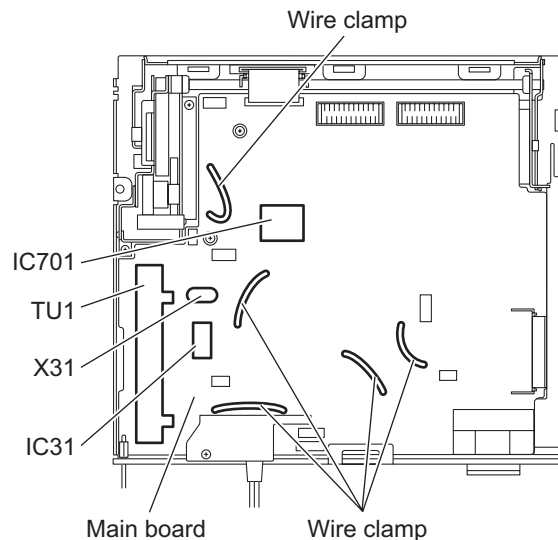


Fig.13

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

- Remove the front panel assembly, side heat sink, top chassis assembly main board and rear bracket.
- (1) From the top side of the bottom chassis assembly, remove the screw **Q** attaching the FPC guide to the bottom chassis.
- (2) Remove the five screws **R** attaching the front door mechanism assembly to the bottom chassis.

Reference:

When attaching the screws **Q** and **R**, apply a locking agent them.

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

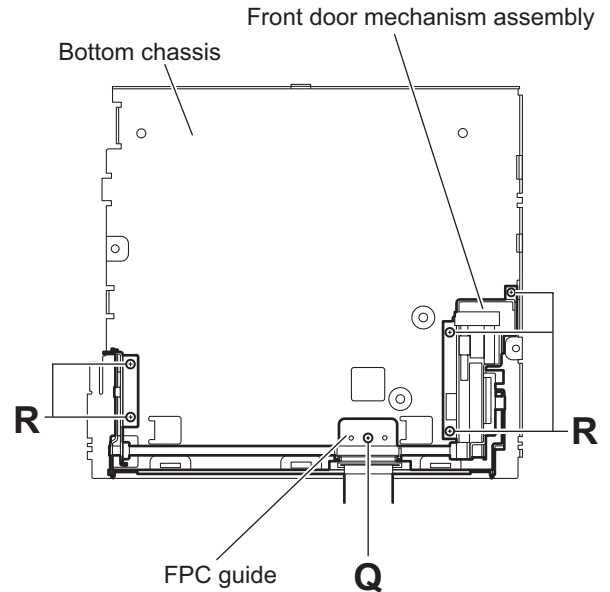


Fig.14

3.1.10 Removing the panel A control board and panel panel B control board (See Figs.15 and 16)

- Remove the panel assembly.
- (1) From the back side of the panel assembly, remove the six screws **S** attaching the rear cover to the panel assembly. (See Fig.15.)
- (2) From the inside of the rear cover, release the lock of the connector [CN583](#) on the panel A control board and disconnect the card wire. (See Fig.16.)
- (3) Remove the three screws **T** attaching the panel B control board and take out the panel B control board from the rear cover. (See Fig.16.)

Note:

Do not lose the compression spring when taking out the panel A control board. (See Fig.16.)

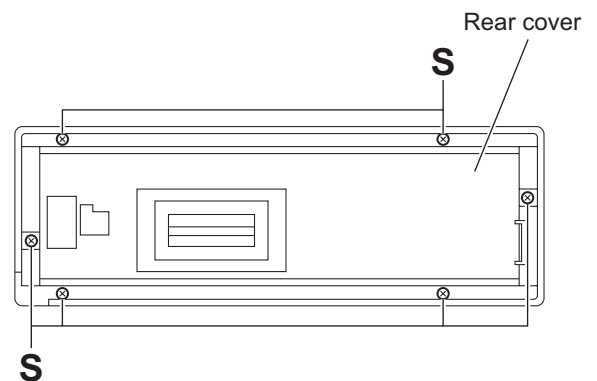


Fig.15

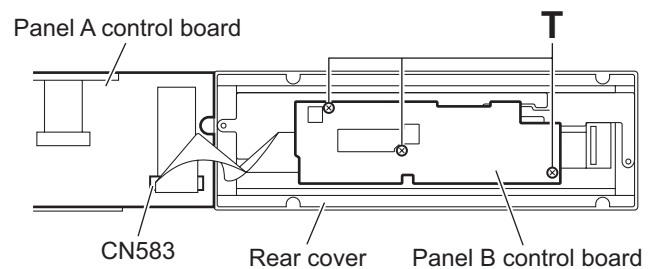


Fig.16

3.2 DVD mechanism assembly

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

Caution:

Before disconnecting the flexible wire extending from the DVD pickup, solder the short-circuit point on the flexible wire using a grounding soldering iron. If you do not follow this instruction, the DVD pickup may be damaged.

- (1) Turn over the body, and solder the short-circuit points on the flexible wire extending from the DVD pickup.
- (2) Disconnect the flexible wire from connector [CN101](#) on the mechanism control board.
- (3) Disconnect the card wire from connector [CN201](#) on the mechanism control board.
- (4) Disconnect the flexible wire from connector [CN202](#) on the mechanism control board.
- (5) Unsolder two soldered points **a** on the mechanism control board and remove the wire extending from the feed motor.
- (6) Remove the screw **A** attaching the lug wire.
- (7) Remove the two screws **B** and screw **C** attaching the mechanism control board.

Caution:

- As the flexible wire to be connected to [CN101](#), make sure to attach it to the mechanism control board using a double tape.
- After reassembling, unsolder the short-circuit points.

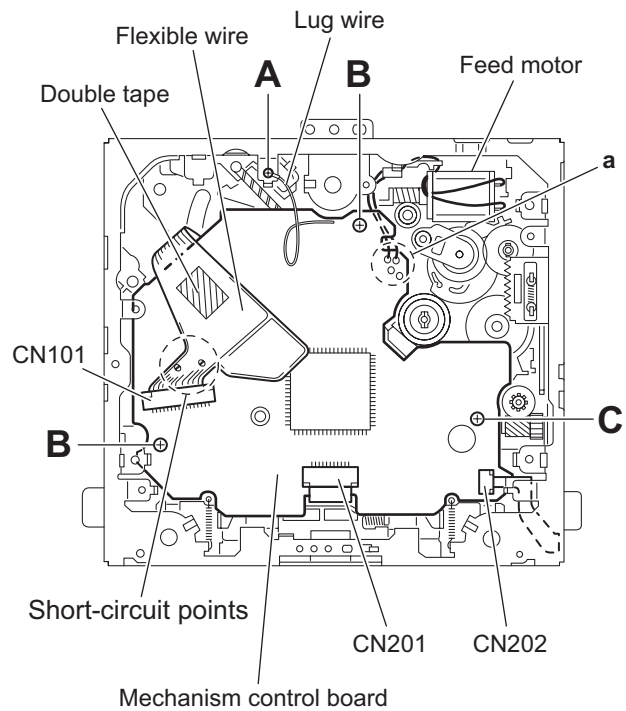


Fig.1

3.2.2 Removing the top cover

(See Fig.2)

- (1) Remove the two screws **D** attaching the top cover on the back of the body.
- (2) Remove the top cover upward.

Reference:

When reassembling, set part **b** of the top cover under the bending part **c** of the chassis frame.

3.2.3 Removing the mechanism section

(See Fig.2 to 4)

- Remove the top cover.
 - (1) From the bottom of the body, remove the screw **E** attaching the lug wire. (See Fig.2.)
 - (2) Remove the two screws **F** attaching the right and left stoppers on the front side. (See Fig.2.)
 - (3) Remove the two floating springs on the bottom of the body. (See Fig.3.)
 - (4) Move the mechanism section upward and remove from the chassis frame.

The three damper springs come off from the dampers.

(See Fig.4.)

Caution:

- When reassembling, reattach the damper spring to the damper respectively and insert the three shafts on the bottom of the mechanism to the dampers.
- Before inserting the shaft to the dampers, apply IPA to the hole of damper.

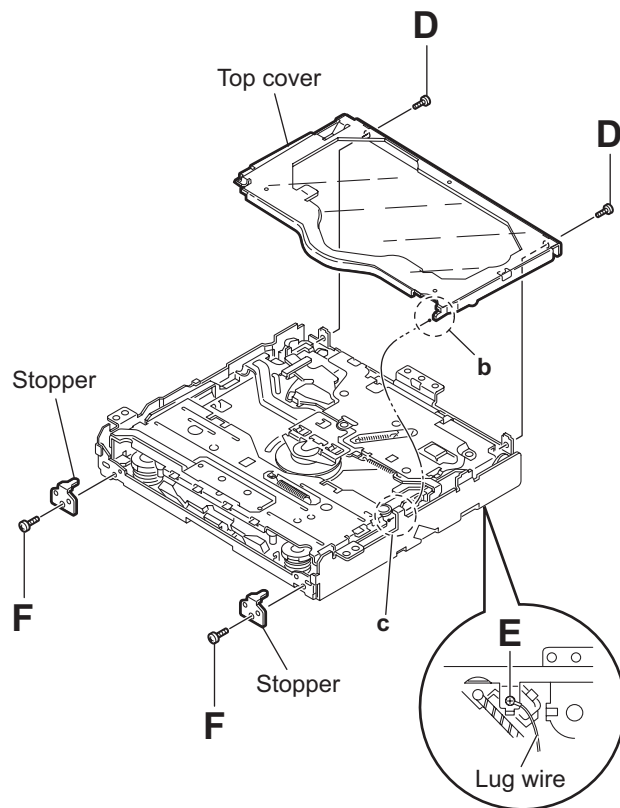


Fig.2

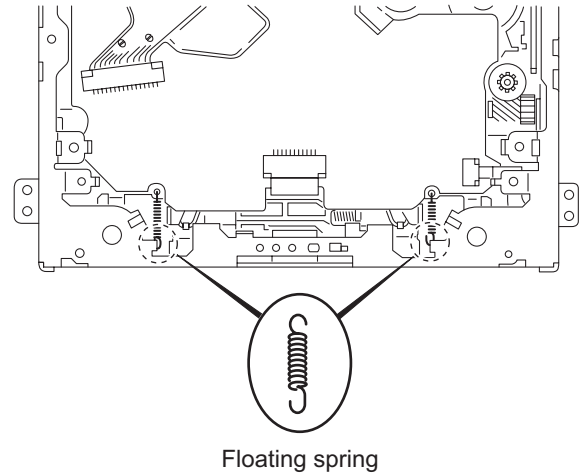


Fig.3

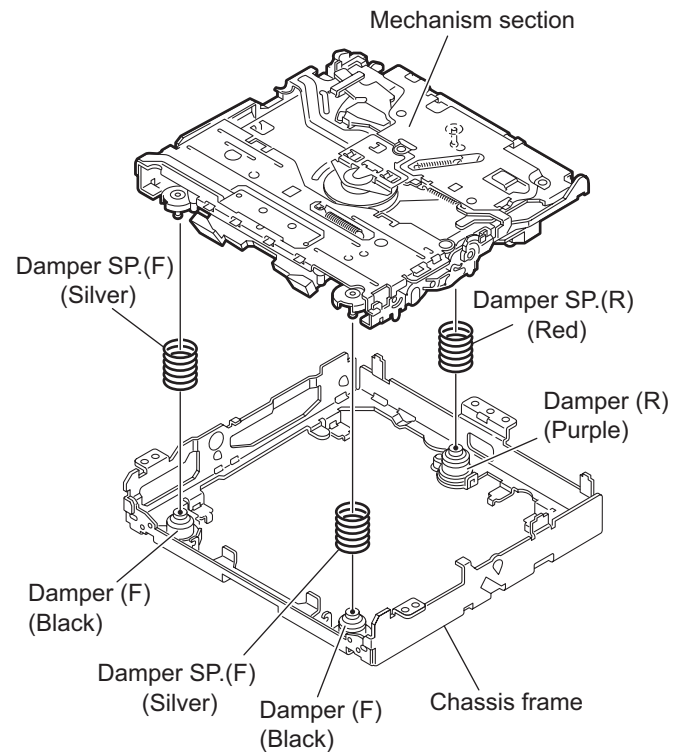


Fig.4

3.2.4 Removing the clumper unit (See Fig.5 to 7)

- Remove the top cover and the mechanism section.
 - Remove the clumper2 spring on the bottom of the mechanism section. (See Figs.5.and 6.)
 - Release the part **d** of the clumper spring from the bending part of the chassis base assembly. (See Fig.7.)
 - Move the clumper unit in the direction of the arrow and turn. Release the two joints **e** and **f**, then remove the clumper unit upward. (See Fig.6.)

3.2.5 Reattaching the clumper unit (See Fig.5 to 9)

- Attach the clumper spring to the clumper unit. (See Fig.8.)
- Move the clumper unit to set the side joints **e** and **f** to each boss of the chassis base assembly. Make sure that part **g** is inserted to the notch of the chassis base assembly. (See Figs.5 and 9.)
- Move the part **d** of the clumper spring to the outside of the bending part of the chassis base assembly. (See Fig.7.)
- Attach the clumper2 spring to the chassis base assembly. (See Figs.5 and 6.)

Caution:

When reattaching, temporarily hook the end of the clumper spring as shown in the figure to make the work easy. (See Fig.8.)

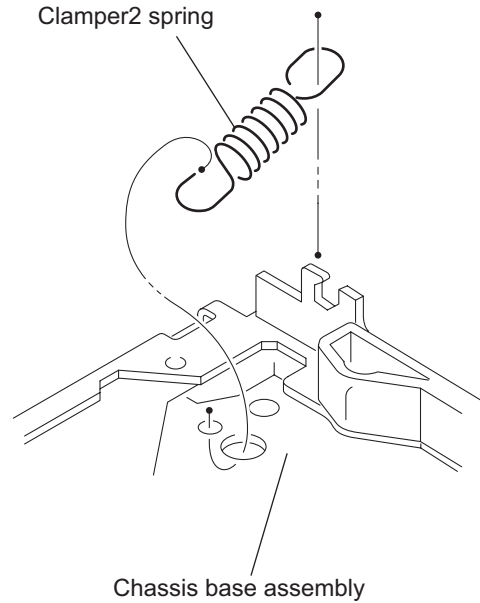


Fig.6

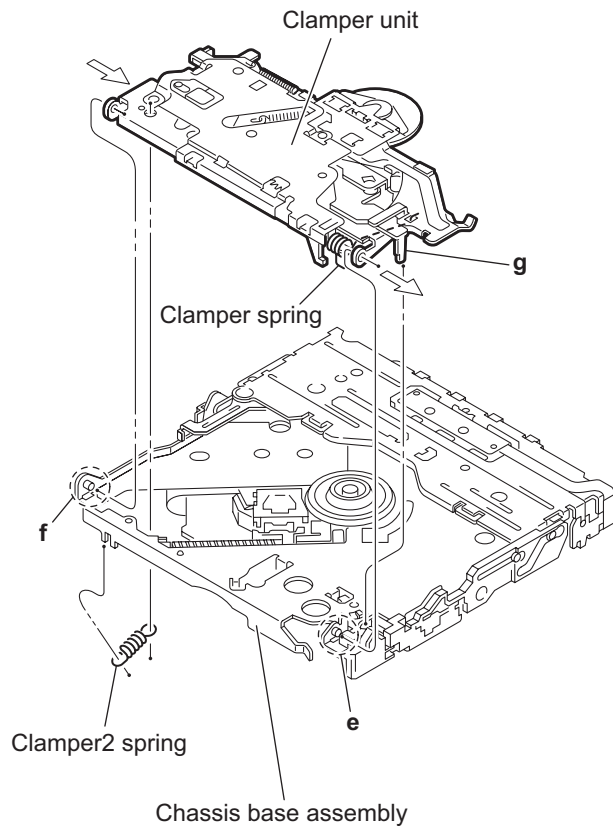


Fig.5

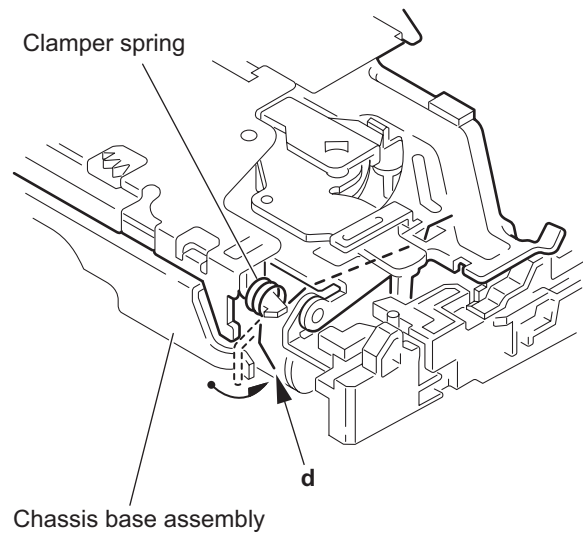


Fig.7

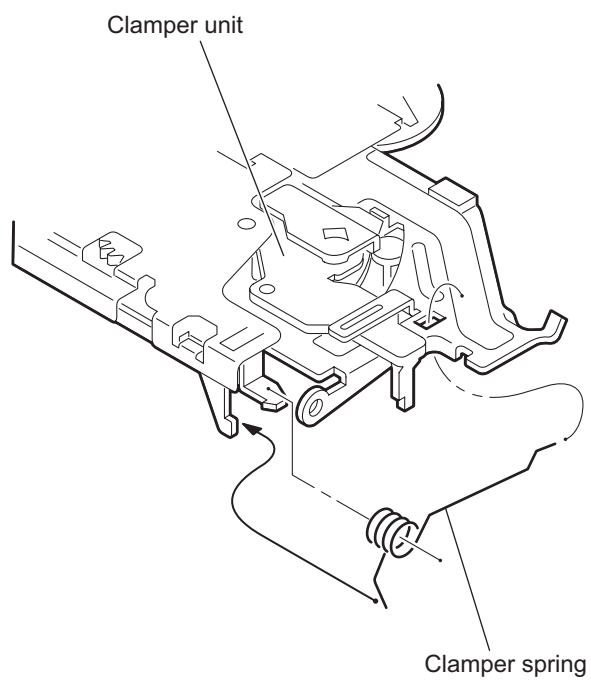


Fig.8

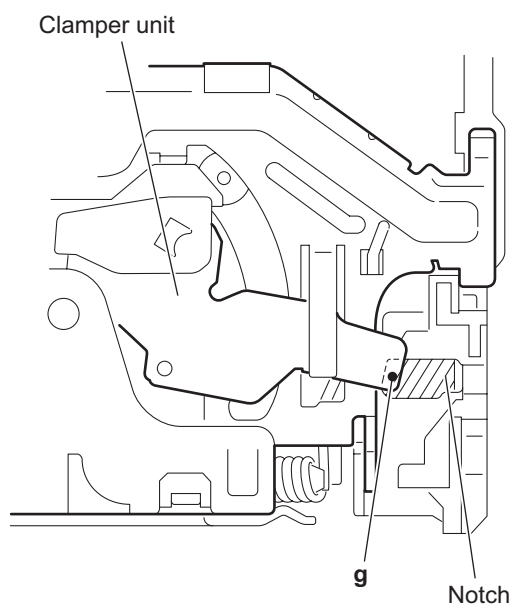


Fig.9

3.2.6 Removing the front unit (See Fig.10 to 12)

- Remove the top cover and the mechanism section.
 - (1) Disconnect the flexible wire from connector [CN202](#) on the mechanism control board at the bottom of the body. (See Fig.10.)
 - (2) Remove the screw **G** attaching the front unit on the top of the body. (See Fig.11.)
 - (3) Move the front unit toward the front to release joint **h**, and release two joints **i** and **j** on the right side of the chassis base assembly. Then remove the front unit upward. (See Figs.11 and 12.)
 - (4) Remove the two screws **H** attaching the switch board. (See Fig.12.)

Reference:

You can remove the switch board only without removing the front unit.

Caution:

When reassembling, attach the flexible wire extending from the switch board using the double tape. (See Figs.10 and 12.)

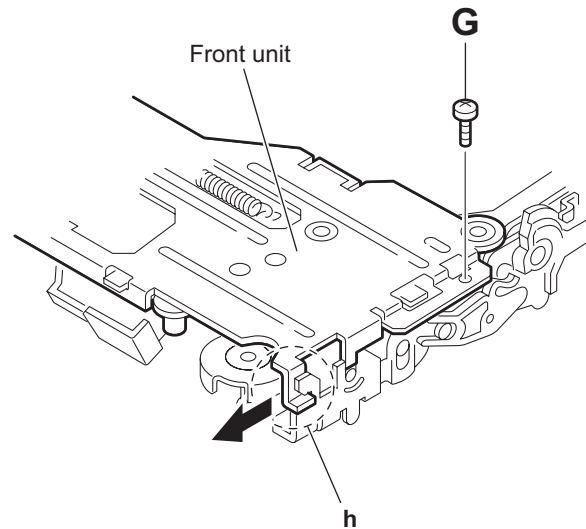


Fig.11

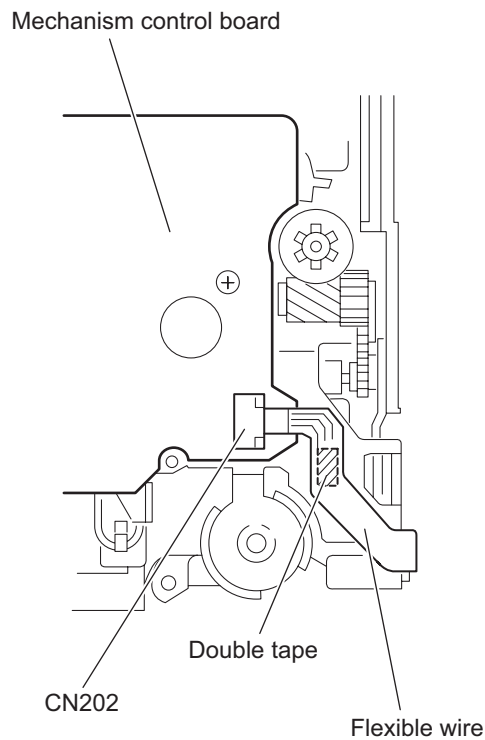


Fig.10

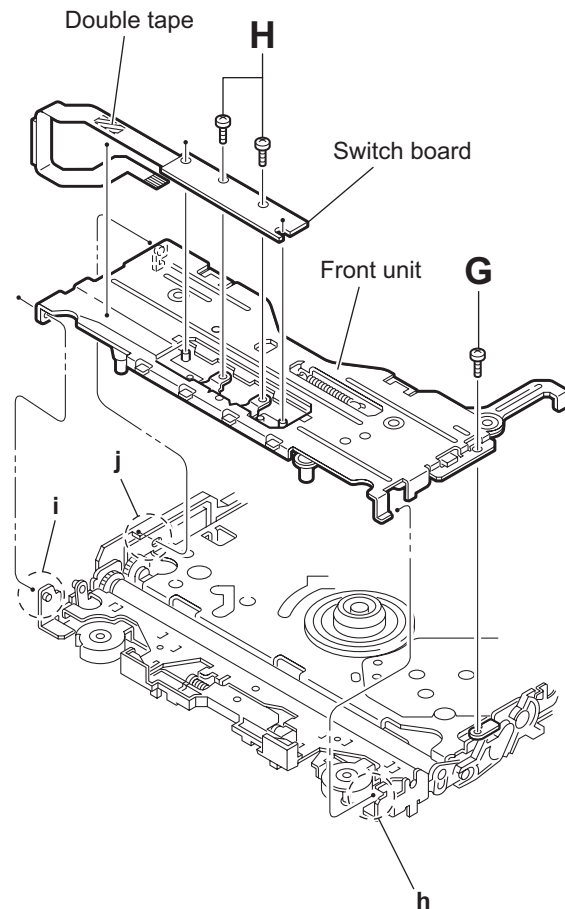


Fig.12

3.2.7 Removing the loading arm assembly

(See Fig.13 , 14)

- Remove the top cover, the mechanism section and the front unit.
 - (1) From the top of the body, move the loading arm assembly from the front side upward, and release the bosses from the right and left joints **k** and **m** of the chassis base assembly.
 - (2) Release the boss from notch **n** of the connect arm on the right side of the body, and release the boss from notch **p** of the slide cam assembly on the left side.

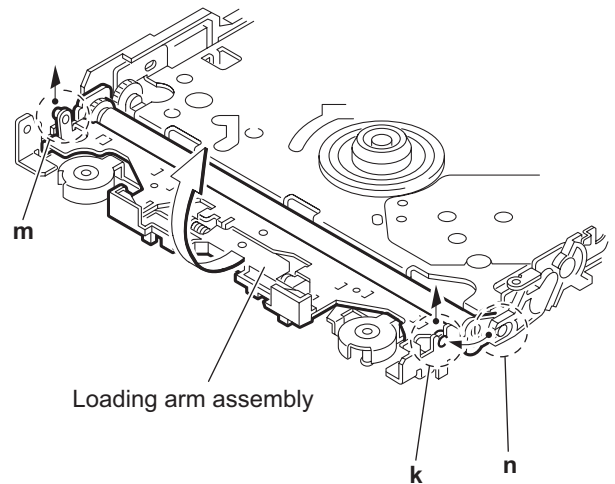


Fig.13

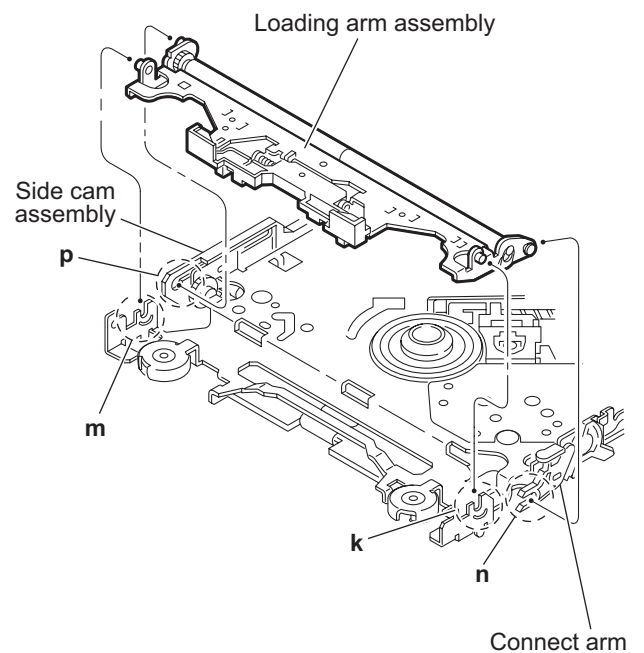


Fig.14

3.2.8 Removing the rod (L)(R)/roller assembly (See Fig.15 and 16)

- Remove the top cover, the mechanism section, the front unit and the loading arm assembly.
 - (1) Release the rod (L) and (R) from the joints **q** at the bottom of the loading arm assembly (See Fig.15.)
 - (2) Remove the roller assembly from the loading arm assembly. (See Fig.16.)
 - (3) Remove the two collars and washer from the roller assembly. (See Fig.16.)

Caution:

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

When reattaching the rod (L) and (R) to the loading arm assembly, engage each joint as shown in Fig.15. As joints **q** of the rod (L), let the rod through **q** before reattaching it.

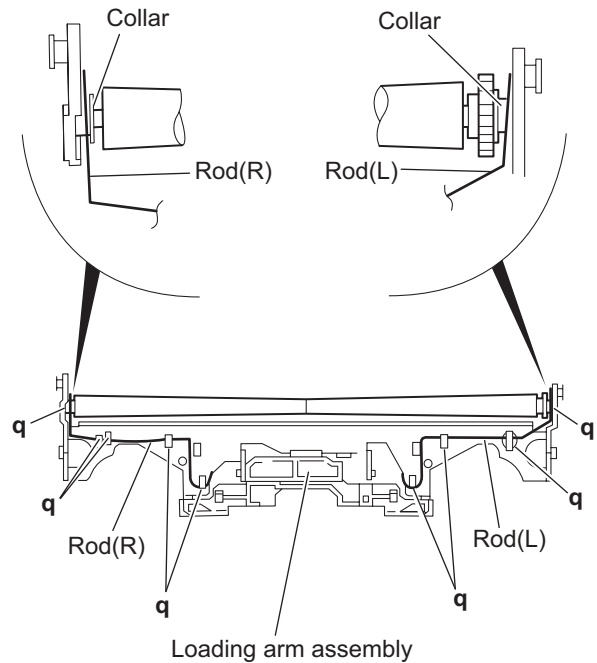


Fig.15

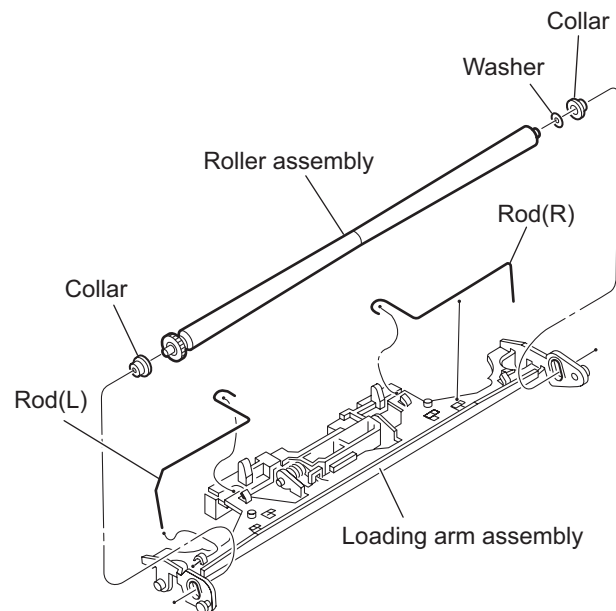


Fig.16

3.2.9 Removing the DVD pickup assembly (See Fig.17 to 19)

- Remove the mechanism control board.

- (1) From the bottom of the body, turn the feed gear in the direction of the arrow to move the DVD pickup outwards. (See Fig.17.)
- (2) Remove the screw **J** attaching the thrust spring. (See Fig.17.)
- (3) Remove the DVD pickup assembly upward on the L.S.gear side and release from sub shaft at joint **r**. Move the lead screw of the DVD pickup assembly in the direction of the arrow to release from joint **s**. (See Fig.18.)

Caution:

- When releasing the lead screw at joint **s**, the L.S.collar comes off at the end of the lead screw. When reassembling, reattach the L.S.collar to the lead screw and engage joint **s**. (See Fig.18.)
 - When reattaching the L.S.collar, reattach it to the point **s** of the lead screw, and to the rod (M). Make sure that the L.S.collar is set on the rod (M) spring. (See Fig.18.)
- (4) Remove the screw **K** attaching the rack spring/ rack plate on the DVD pickup. (See Fig.19.)
 - (5) Pull out the lead screw. (See Fig.19.)

Caution:

Perform adjustment after replacing the pickup.

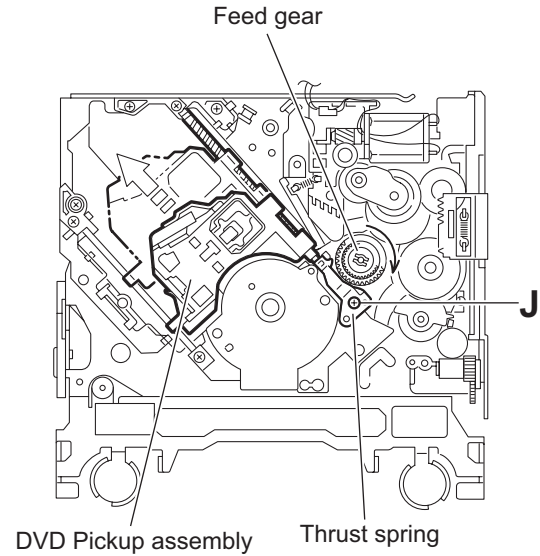


Fig.17

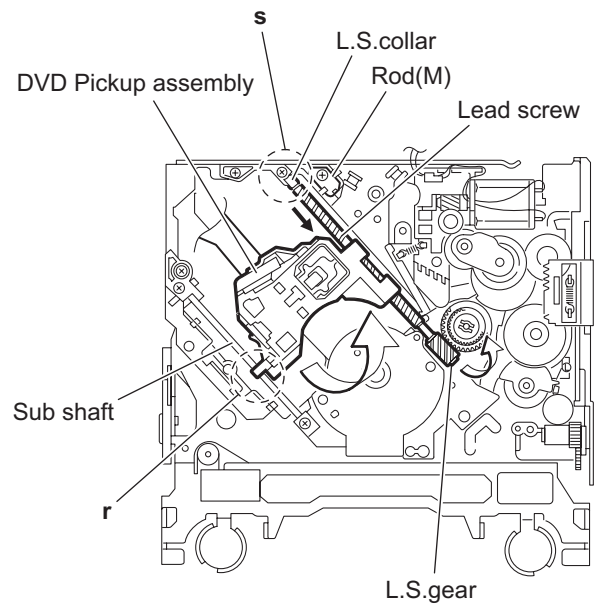


Fig.18

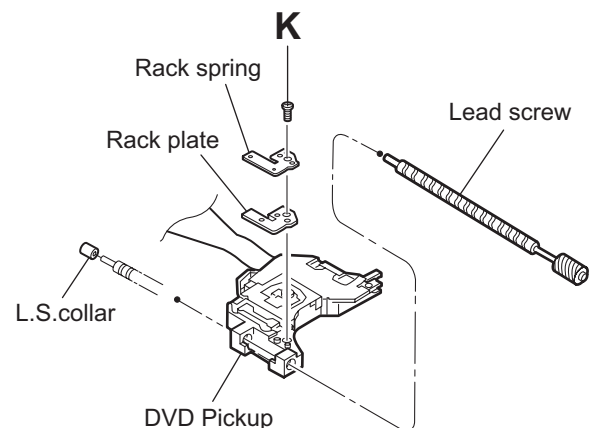


Fig.19

3.2.10 Removing the spindle motor (See Fig.20)

- Remove the mechanism control board.
Remove the two screws **L** attaching the spindle motor on the bottom of the body.

Caution:

Perform adjustment when reattaching the spindle motor.

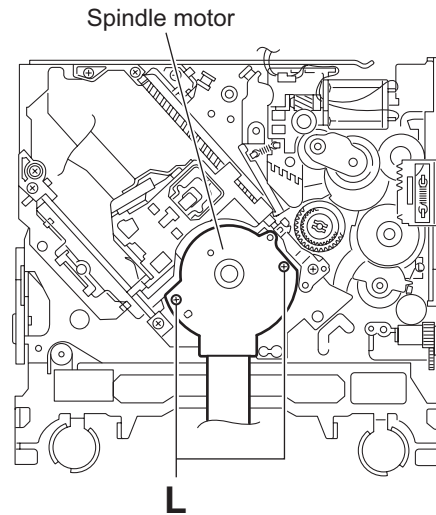


Fig.20

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

- Remove the mechanism control board.
 - (1) Remove the feed TRI. spring on the bottom of the body.
(See Fig.21.)
 - (2) Remove the two screws **M** attaching the feed motor assembly. (See Fig.21.)
 - (3) Remove the slit washer from the motor H. assembly and pull out the worm wheel. (See Fig.22.)

Remove the two screws **N** attaching the feed motor. (See Fig.22.)

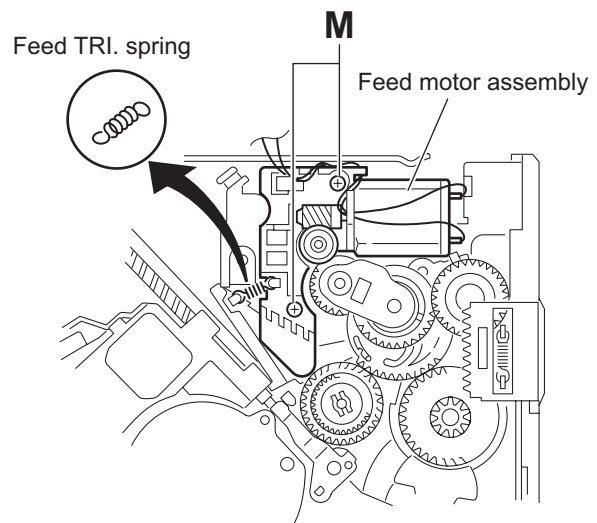


Fig.21

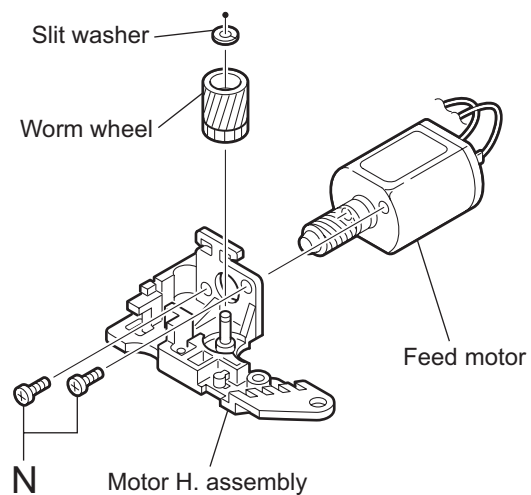


Fig.22

SECTION 4 ADJUSTMENT

4.1 Test instruments required for adjustment

- (1) Digital oscilloscope (100MHz)
- (2) Jitter meter
- (3) Digital tester
- (4) Electric voltmeter
- (5) Tracking offset meter
- (6) Test Disc : VT501 or VT502
- (7) Extension studs : STDV001-3P
- (8) Extension cable : EXTDV001-20P ×2

4.2 Standard measuring conditions

| | |
|----------------------|------------------------------------|
| Power supply voltage | DC14.4V(11 to 16V) |
| Load impedance | 4 Ω (2 Speakers connection) |
| Line Output | 20K Ω |

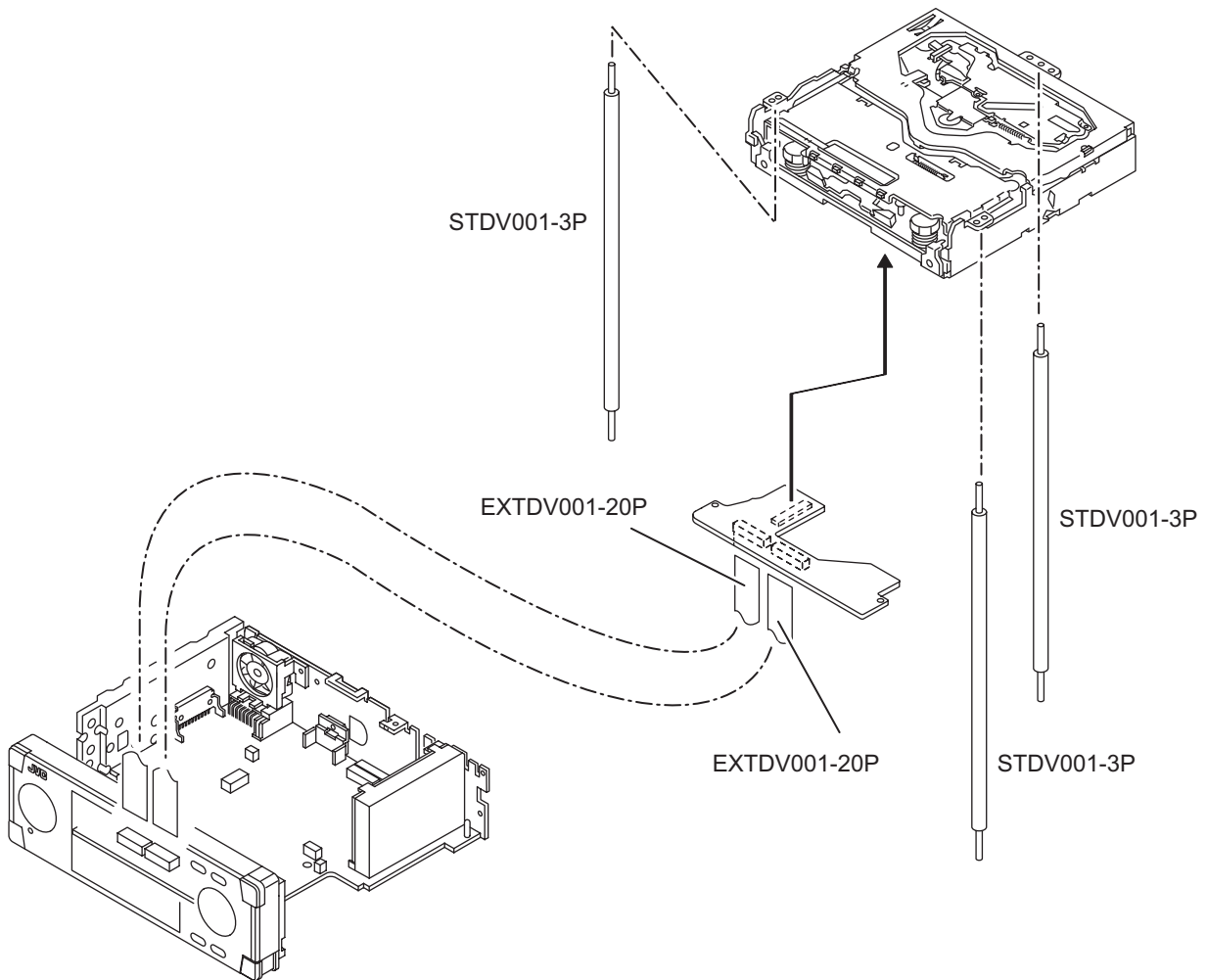
Caution:

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.

4.3 Connection method

Connection procedure

- (1) Attach the front chassis assembly to the main board.
- (2) Attach the heat sink and rear bracket to the main board.
- (3) Attach the extension studs to the DVD mechanism assembly.
- (4) Connect the DVD mechanism assembly and the main board with a extension cable.



4.4 Adjustment method for jitter

After replacing the pickup, set the unit in the service mode to display a jitter value on the LCD.

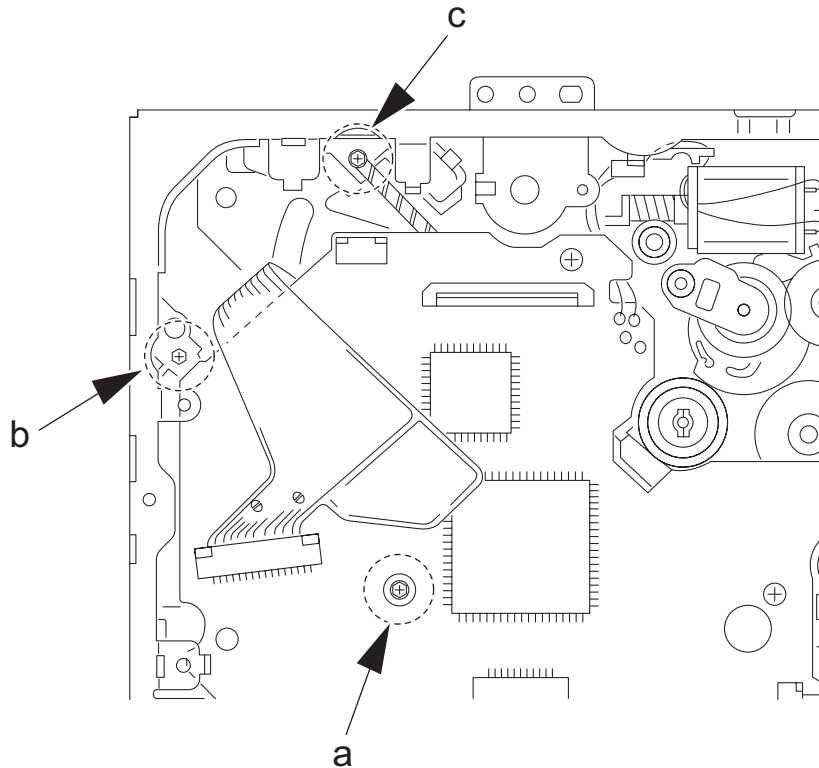
Confirm that the jitter value measured with a jitter meter is within 12% of the jitter value displayed on the LCD.

If it is within 12%, then adjustment is not necessary.

If the measured jitter value is outside the 12% tolerance range, perform the following adjustments.

4.4.1 Adjustment procedure

- (1) Set the unit to the service mode and display a jitter value (hex data) on the LCD.
- (2) Turn each of the screws **a**, **b** and **c**, by a half-turn per step, in the direction that reduces the jitter value in order to minimize it .
(Do not turn a screw more than a half turn at a time, but adjust the screws in the cycle of the same level is turned in the pair of **b+c** and the same level is turned in the pair of **a+b**.)
- (3) After completing the adjustment, secure the screws with screw lock paint.



Jitter value adjustment procedure (Pickup horizontal level adjustment relative to the DVD recording surface)

(For the adjustment tool use a 3 mm wrench and not a screwdriver, this procedure will make the adjustment easier.)

3 mm wrench



- (1) Set the unit to the service mode and display a jitter value (hex data) on the LCD.
- (2) Turn each of the screws **a**, **b** and **c**, by a half-turn per step, in the direction that reduces the jitter value in order to minimize it.
(Do not turn a screw more than a half turn at a time, but adjust the screw in the cycle of same level turn by pair of **b+c** → pair of **a+b**.)
- (3) After completing the adjustment, secure the screws with screw lock paint.

4.5 Jitter value conversion table

Load the test DVD and set the unit to the service mode. A jitter value converted to the hex value is displayed on the LCD.

Refer to the corresponding decimal notation value shown in the following Jitter Conversion Table.

The adjustment is OK if the jitter value measured with a jitter meter is within 12% of the jitter value displayed on the LCD.

If the measured jitter value is outside the 12% tolerance range, adjust it to minimize the difference between the measured value and the displayed value.

| Indicated on the LCD | Jitter value (%) | Indicated on the LCD | Jitter value (%) | Indicated on the LCD | Jitter value (%) |
|-------------------------|---------------------|-------------------------|---------------------|-------------------------|---------------------|
| EF56 | 4.7 | E79E | 8.5 | DFE6 | 12.3 |
| EF22 | 4.8 | E76A | 8.6 | DFB2 | 12.4 |
| EEEE | 4.9 | E736 | 8.7 | DF7E | 12.5 |
| EEBA | 5.0 | E702 | 8.8 | DF4A | 12.6 |
| EE86 | 5.1 | E6CE | 8.9 | DF16 | 12.7 |
| EE52 | 5.2 | E69A | 9.0 | DEE2 | 12.8 |
| EE1E | 5.3 | E666 | 9.1 | DEAE | 12.9 |
| EDEA | 5.4 | E632 | 9.2 | DE7A | 13.0 |
| EDB6 | 5.5 | E5FE | 9.3 | DE46 | 13.1 |
| ED82 | 5.6 | E5CA | 9.4 | DE12 | 13.2 |
| ED4E | 5.7 | E596 | 9.5 | DDDE | 13.3 |
| ED1A | 5.8 | E562 | 9.6 | DDAA | 13.4 |
| ECE6 | 5.9 | E52E | 9.7 | DD76 | 13.5 |
| ECB2 | 6.0 | E4FA | 9.8 | DD42 | 13.6 |
| EC7E | 6.1 | E4C6 | 9.9 | DD0E | 13.7 |
| EC4A | 6.2 | E492 | 10.0 | DCDA | 13.8 |
| EC16 | 6.3 | E45E | 10.1 | DCA6 | 13.9 |
| EBE2 | 6.4 | E42A | 10.2 | DC72 | 14.0 |
| EBAE | 6.5 | E3F6 | 10.3 | DC3E | 14.1 |
| EB7A | 6.6 | E3C2 | 10.4 | DC0A | 14.2 |
| EB46 | 6.7 | E38E | 10.5 | DBD6 | 14.3 |
| EB12 | 6.8 | E35A | 10.6 | DBA2 | 14.4 |
| EADE | 6.9 | E326 | 10.7 | DB6E | 14.5 |
| EAAA | 7.0 | E2F2 | 10.8 | DB3A | 14.6 |
| EA76 | 7.1 | E2BE | 10.9 | DB06 | 14.7 |
| EA42 | 7.2 | E28A | 11.0 | DAD2 | 14.8 |
| EA0E | 7.3 | E256 | 11.1 | DA9E | 14.9 |
| E9DA | 7.4 | E222 | 11.2 | DA6A | 15.0 |
| E9A6 | 7.5 | E1EE | 11.3 | DA36 | 15.1 |
| E972 | 7.6 | E1BA | 11.4 | DA02 | 15.2 |
| E93E | 7.7 | E186 | 11.5 | D9CE | 15.3 |
| E90A | 7.8 | E152 | 11.6 | D99A | 15.4 |
| E8D6 | 7.9 | E11E | 11.7 | D966 | 15.5 |
| E8A2 | 8.0 | E0EA | 11.8 | D932 | 15.6 |
| E86E | 8.1 | E0B6 | 11.9 | D8FE | 15.7 |
| E83A | 8.2 | E082 | 12.0 | D8CA | 15.8 |
| E806 | 8.3 | E04E | 12.1 | D896 | 15.9 |
| E7D2 | 8.4 | E01A | 12.2 | D862 | 16.0 |

Calculation

Indicated on the LCD

Jitter (%)

E9A6

7.5

4.6 Service mode

4.6.1 Service mode 1 (Indication of a service mode 1 is nothing.)

Keep this state more 2 seconds while continuing pressing the [STANDBY/ON ATTENUATOR] button and [EJECT] button sequentially.

Screen indication

| | |
|------------------|-----|
| NO EJECT? | * 1 |
| EMERGENCY EJECT? | * 2 |

Exchanging it operate a menu of a service mode with the [UP] button and [DOWN] button. Operate choice of a menu with a [ENT] button.

*1 : When an [ENT] button is pushed in NO EJECT indication, it is set by an EJECT prohibition mode.

When an [ENT] button is pushed in EJECT OK indication, it is set by a normal mode.

*2 : Forced EJECT movement

A screen becomes normal indication after an ENT button was pushed.

4.6.2 Service mode 2

Keep this state more 2 seconds while continuing pressing the [MENU] button, [VOLUME-] button and [ENT] button sequentially.

Screen indication

| |
|----------------------------------|
| SERVICE MODE 2 INITIALIZE DVD |
|----------------------------------|

Press the [ENT] button.

| |
|---|
| SERVICE MODE 2 INITIALIZE DVD OK ** |
|---|

Full initialization of EEPROM of a DVD unit (It is included a permanent domain)
After clear completion, this indication is continued till an effective key is input.
(OK **)

4.6.3 Service mode 3

Keep this state more 2 seconds while continuing pressing the [MENU] button, [VOLUME+] button and [ENT] button sequentially.

Screen indication

| |
|--|
| SERVICE MODE 3 INITIALIZE ALL INITIALIZE SERVICE MODE RUNNING MODE |
|--|

Exchanging it operate a menu of a service mode with the [UP] button and [DOWN] button. Operate choice of a menu with a [ENT] button.

→ INITIALIZE ALL (Each EEPROM is initialized by a factory shipment state.)

- Main micon EEPROM initialization (except a ROM correction domain)

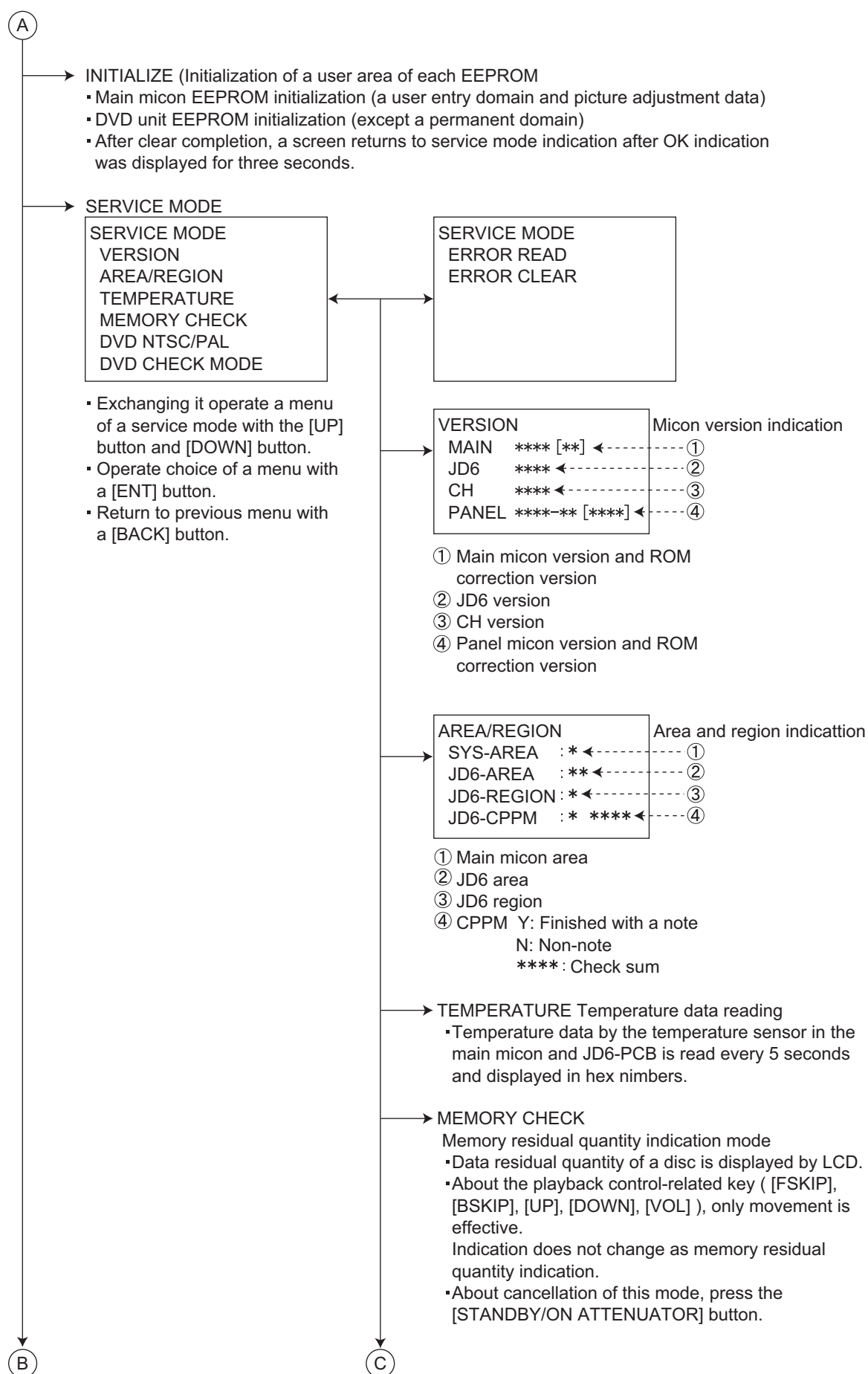
- Panel micon EEPROM initialization

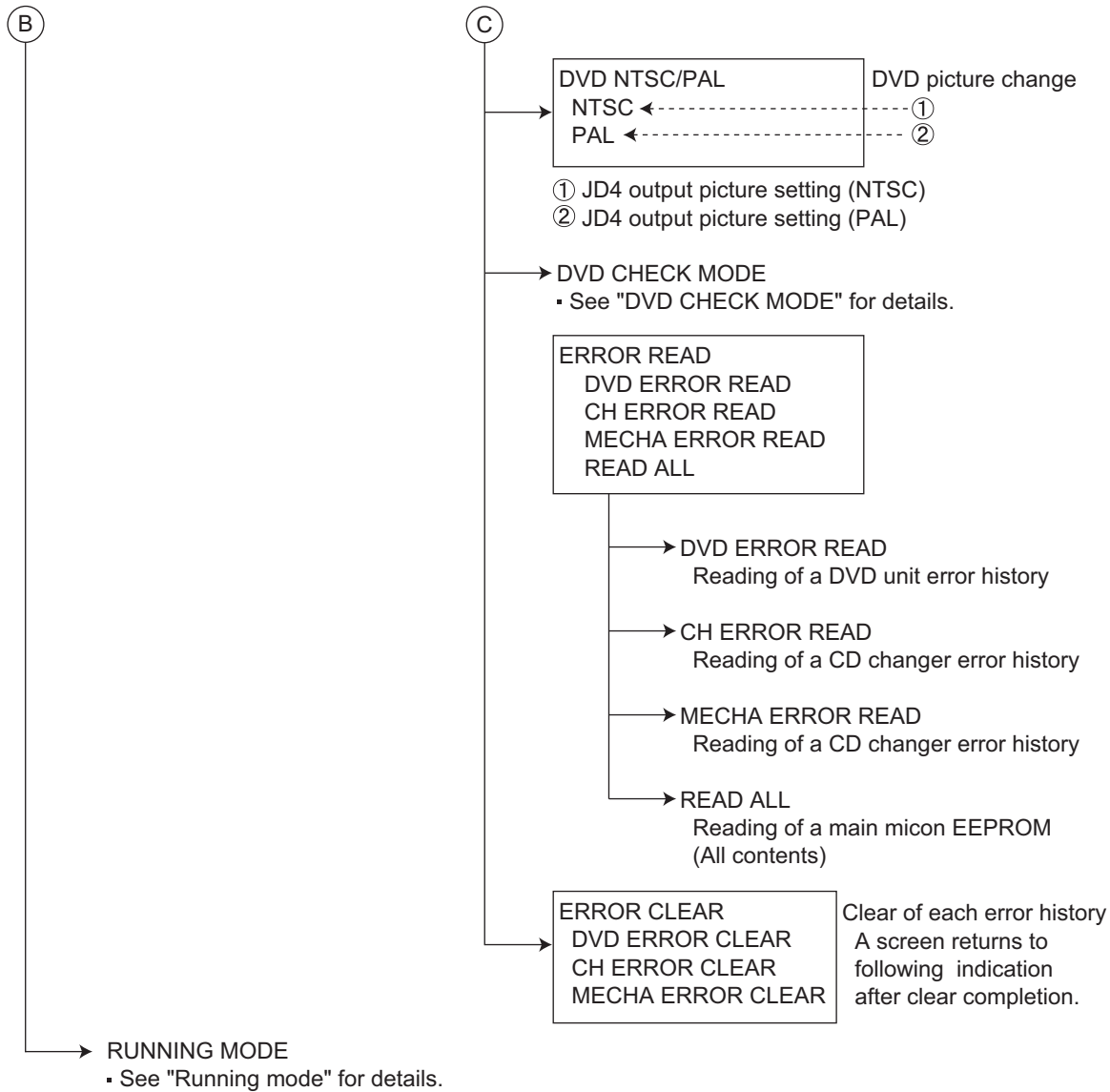
- (except factory adjustment data domain and ROM correction domain)

- DVD unit EEPROM initialization (except a permanent domain)

- After clear completion, a screen returns to normal indication after OK indication was displayed for three seconds.

(A)





4.6.4 Service mode 4

Keep this state more 2 seconds while continuing pressing the [BACK] button, [MENU] button and [SRC] button sequentially.

Screen indication

SERVICE MODE 4
RDS S MODE
MONITOR S MODE

Exchanging it operate s menu of a service mode with the [UP] button and [DOWN] button. Operate choice of a menu with a [ENT] button.

RDS S MODE

▪ RDS service mode (Only RDS model)

MONITOR S MODE
R/W CHROMA 1
R/W CHROMA 3
DATA CLEA

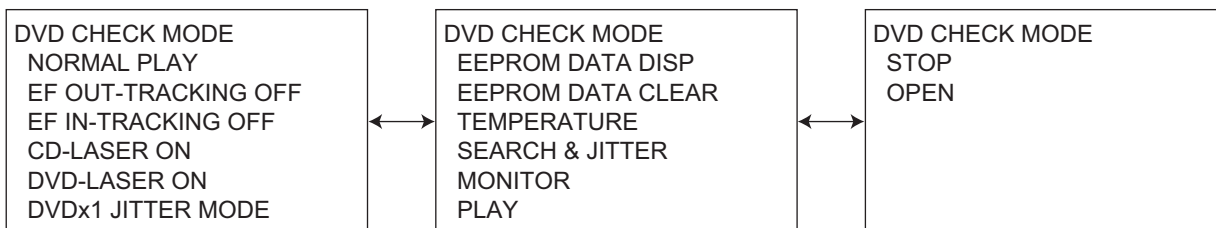
*See "Monitor adjustment" for details.

CHROMA DATA read/write of NTSC/PAL signal processing IC

CHROMA DATA read/write of TFT driver IC

Clear of CHROMA DATA of 1,3 (return to an initial value)

4.7 DVD check mode



Exchanging it operate a menu of a service mode with the [UP] button.
and [DOWN] button. Operate choice of a menu with a [ENT] button.

| Command | Mechanism unit operation | Indication contents |
|---------------------|--|--|
| NORMAL PLAY | Start at normal speed (After start, jitter is measured by an inner position.) | Laser current value, jitter value |
| EF OUT-TRACKING OFF | Tracking off the outermost position of CD | For EF phase error |
| EF IN-TRACKING OFF | Tracking off the innermost position of CD | For EF phase error |
| CD-LASER ON | CD_LD lights and laser current is displayed. | Laser current value, jitter value |
| DVD-LASER ON | DVD_LD lights and laser current is displayed | Laser current value, jitter value |
| DVDx1 JITTER MODE | DVD x1 jitter measuring mode (for use in mechanism adjustment) | Laser current value, jitter value |
| EEPROM DATA DISP | Contents of EEPROM is displayed. | EEPROM address EEPROM contents |
| EEPROM DATA CLEA | Contents of EEPROM is initialized. | EEPROM address EEPROM contents |
| TEMPERATURE | Temperature indication | Temperature is displayed in hex numbers. |
| SEARCH & JITTER | The search and jitter measurement to an appointed position of DVD. | Position measured with VT-501 jitter value |
| MONITOR | Monitor terminal setting | |
| PLAY | DVD x1 stopped start (After start, jitter is measured by an inner position.) | Not displayed. |
| STOP | Disc stopped, LD-OFF | Not displayed. |
| OPEN | OPEN | Not displayed. |

4.8 Error code tables

4.8.1 Mechanism error code

| Error contents | Details | Error code | Detailed error code |
|--------------------------------------|---|------------|---------------------|
| Disc loading error | | | |
| ①B1 time out | | 0x09 | 0x0011 |
| ②C1 time out | | 0x09 | 0x0012 |
| ③D1 time out | | 0x09 | 0x0013 |
| ④C2 time out | | 0x09 | 0x0014 |
| ⑤B2 time out | | 0x09 | 0x0015 |
| ⑥A2 time out | | 0x09 | 0x0016 |
| ⑦F1 time out | | 0x09 | 0x0017 |
| ⑧A0 (Switch state without existence) | | 0x09 | 0x0018 |
| ⑨G1 time out | | 0x09 | 0x0019 |
| ⑩G2 time out | | 0x09 | 0x0020 |
| Eject error | | | |
| ①F2 time out | | 0x01 | 0x0021 |
| ②A1 time out | | 0x01 | 0x0022 |
| ③B1 time out | | 0x01 | 0x0023 |
| ④C1 time out | | 0x01 | 0x0024 |
| ⑤D1 time out | | 0x01 | 0x0025 |
| ⑥C2 time out | | 0x01 | 0x0026 |
| ⑦B2 time out | | 0x01 | 0x0027 |
| ⑧A0 (Switch state without existence) | | 0x01 | 0x0028 |
| Error in loading wait | Loading of a running mode Disc was pulled out in a wait. | 0x09 | 0x0031 |
| Loading re-execution → NG → Eject | Running mode error | 0x09 | 0x0032 |
| Eject re-execution → NG → Loading | Running mode error | 0x01 | 0x0033 |

4.8.2 Disc error code

| Error contents | Details | Error code | Detailed error code |
|--------------------------------------|---|------------|---------------------|
| TOC read error | TOC lead movement of a CD is not completed. | 0x84 | 0x0059 |
| First track access error | Even if TOC reading passes after the end with CD running mode for 30 seconds, the first track access is not finished. | 0x80 | 0x0060 |
| Last track access error | Even if first track passes after the end with CD running mode for 30 seconds, the last track access is not finished. | 0x80 | 0x0061 |
| T1 access error | Even if T1 access passes in a DVD running mode for 30 seconds, it is not finished. | 0x80 | 0x0069 |
| T12 access error | Even if T12 access passes in a DVD running mode for 30 seconds, it is not finished. | 0x80 | 0x0070 |
| T24 access error | Even if T24 access passes in a DVD running mode for 30 seconds, it is not finished. | 0x80 | 0x0071 |
| Read-in area read error | Read-in area read operation of DVD is not completed. | 0x84 | 0x0072 |
| DVD L1 layer adjustment error | Adjustment of L1 layer of DVD is not finished normally. (including focus jump failure) | 0x80 | 0x0074 |
| NO DISC judgment | Judgment without disc | 0x80 | 0x0090 |
| It is NO DISC by start failure | Start is impossible | 0x80 | 0x0091 |
| It is stopped by playback inability. | Stop in running mode playback | 0x80 | 0x0093 |
| Logic format NG | Logic format analysis inability or non-correspondence logic format | 0x80 | 0x0094 |

4.9 Running mode

| Indication | Explanation | Operation contents of 1 cycle | | In mecha error | In mecha error |
|----------------|-------------------------|--|----------|----------------|----------------|
| RUNNING1 MECHA | Door mecha running 1 | Panel close → Panel open | | - | - |
| RUNNING2 MECHA | Door mecha running 2 | Panel close → Panel open | RETRY | Retry | - |
| | | Panel detach position → Panel angle | | | |
| | | 3 position → Panel angle 1 position → Panel angle → 2 position | NO RETRY | Stop | - |
| RUNNING3 DVD | DVD+Door mecha running1 | Loading → Eject Wait for 5 seconds+Door open/close | | Stop | - |
| RUNNING4 DVD | DVD+Door mecha running2 | Loading → Eject Wait for 5 seconds+Door open/close | | Retry | - |
| RUNNING5 DVD | DVD+Door mecha running3 | Loading → Playback → Eject → Wait for 5 seconds+Door open/close | | Stop | Stop |
| RUNNING6 DVD | DVD+Door mecha running4 | Loading → Playback → Eject → Wait for 5 seconds+Door open/close | | Retry | Stop |
| RUNNING7 DVD | DVD+Door mecha running5 | Loading → Playback → Eject → Wait for 5 seconds+Door open/close | | Stop | Retry |
| RUNNING8 DVD | DVD+Door mecha running6 | Loading Playback → Eject → Wait for 5 seconds+Door open/close | | Retry | Retry |

* Cancellation of running1,2 : Press the [EJECT] key

* In running 1,2 cancellation, a door does not stop at the position and moves to a panel position.

* Cancellation of running3 to 8 : Press the [POWER] key

Playback contents in a running mode

• CD

The first track is played for 30 seconds. → The last track is played for 30 seconds.

(The last track is played in the case of less than till the last for 30 seconds.)

• DVD

2layer disc (Pit disc)

Title 1 (the L0 layer internal circumference) is played for 30 seconds.

→ Title 12 (L0 layer circumference) is played for 30 seconds.

→ Title 24 (L1layer internal circumference) is played for 30 seconds.

2layer disc (Recordable disc)

Title 1 (the L0 layer internal circumference) is played for 30 seconds.

→ Title 13 (L0 layer circumference) is played for 30 seconds.

→ Title 24 (L1layer internal circumference) is played for 30 seconds.

1layer disc

First chapter of title 1 is played for 30 seconds. The last chapter of title 1 is played for 30 seconds.

4.10 Monitor adjustment

* When adjusting, switch on the main unit and insert a test disc (VT-501). And play the test disc and pause it.

- (1) Set the service mode 4.
- (2) Exchanging it operate a menu of a service mode with the [UP] button and [DOWN] button.
- (3) Change data with the [B.SKIP]/[F.SKIP] buttons.
- (4) Write data with a [OK] button.

R/W CHROMA 1

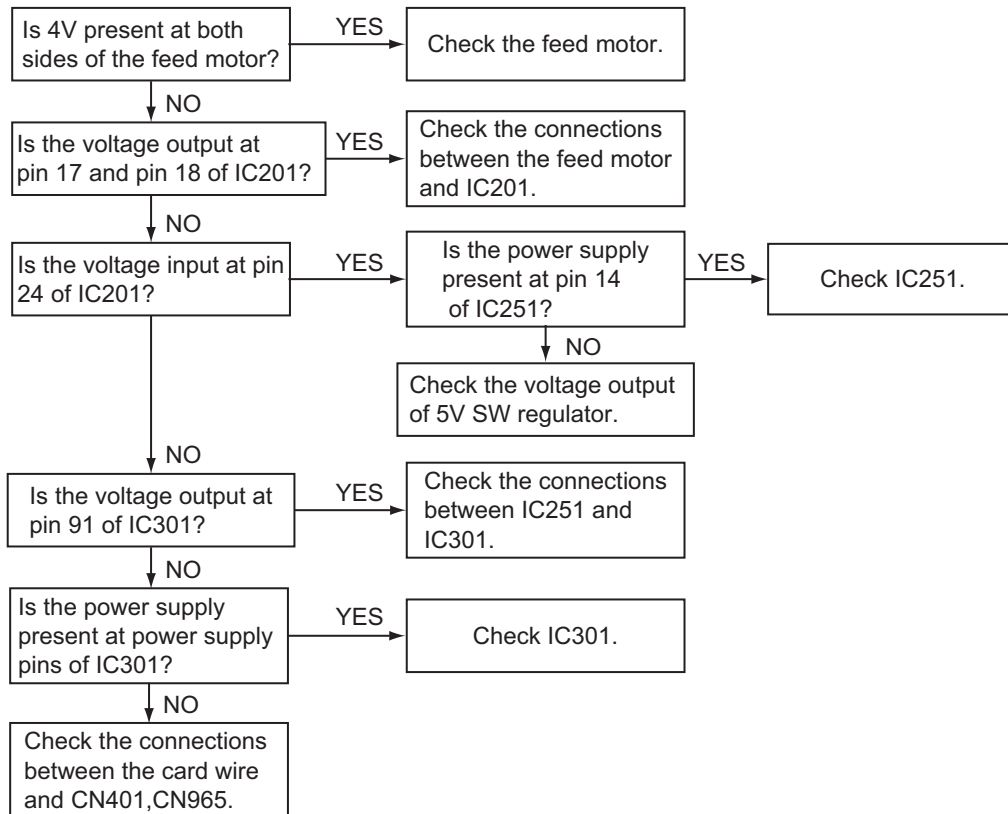
| Indication | Minimum value | Maximum value | Initial value | Reference register value | |
|---------------|---------------|---------------|---------------|--------------------------|--------|
| PICTURE | 00 | 1F | 03 | 03 | Fix |
| COLOR NTSC | 00 | FF | 5B | 66 | Adjust |
| COLOR PAL | 00 | FF | 5C | 67 | Adjust |
| TINT NTSC | 00 | FF | 9F | A2 | Adjust |
| TINT PAL | 00 | FF | 98 | 9B | Adjust |
| PHASE NTSC | 00 | 3F | 20 | 20 | Fix |
| PHASE PAL | 00 | 3F | 20 | 20 | Fix |
| CONT-VIDEO | 00 | FF | 78 | 6C | Adjust |
| CONT-RGB1 | 00 | FF | 00 | 00 | Fix |
| CONT-RGB2 | 00 | FF | 00 | 00 | Fix |
| GAMMA1 | 00 | FF | B9 | BC | Adjust |
| GAMMA2 | 00 | FF | 80 | 00 | Fix |
| RGB AMPLITUDE | 00 | FF | 7B | 7E | Adjust |
| BRIGHT | 00 | FF | 76 | 75 | Adjust |
| SUB-BRIGHT R | 00 | FF | 79 | 7A | Adjust |
| SUB-BRIGHT B | 00 | FF | 7D | 7D | Adjust |
| COM AMPLITUDE | 00 | FF | 76 | 73 | Adjust |
| COM DC | 00 | FF | 35 | 35 | Adjust |
| DAC OUT NTSC | 00 | FF | 80 | 7A | Adjust |
| DAC OUT PAL | 00 | FF | 79 | 74 | Adjust |
| H POSITION | 00 | 1F | 1D | 1D | Fix |

R/W CHROMA 3

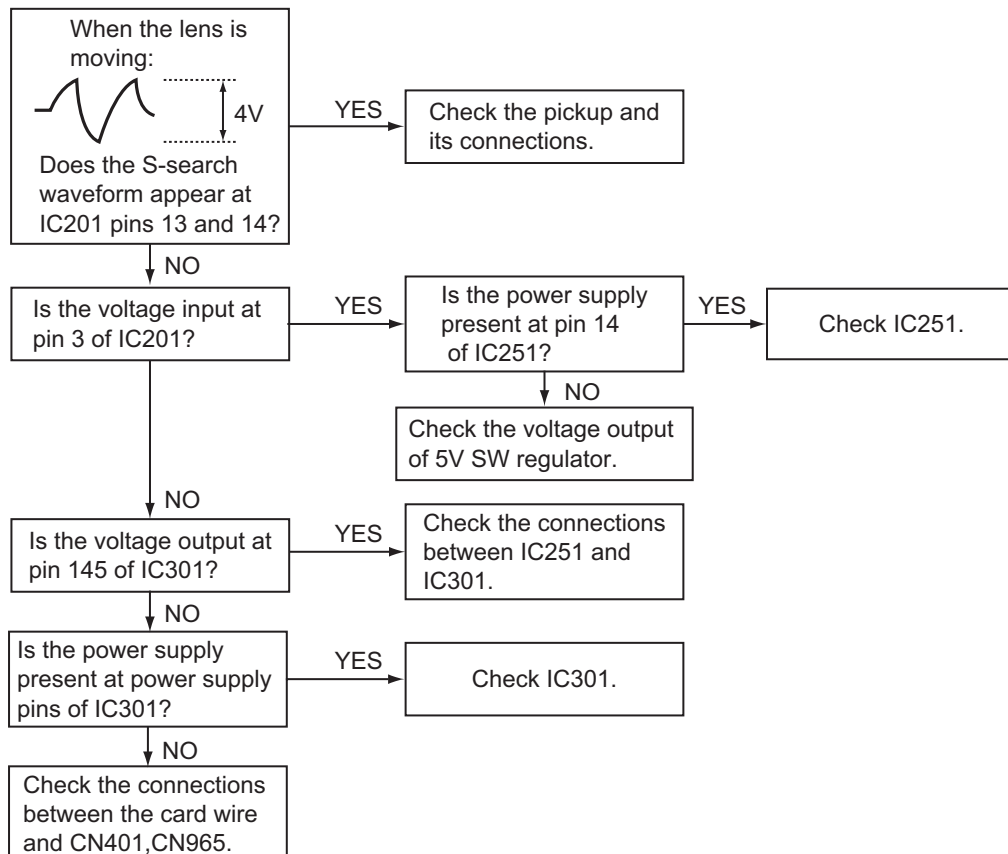
| | | |
|----------|------|---|
| AGC SW | 00 | Fix |
| GAM TEST | 00 | Fix |
| NTSC/PAL | AUTO | DVD picture change (NTSC or PAL, and or AUTO) |

SECTION 5 TROUBLESHOOTING

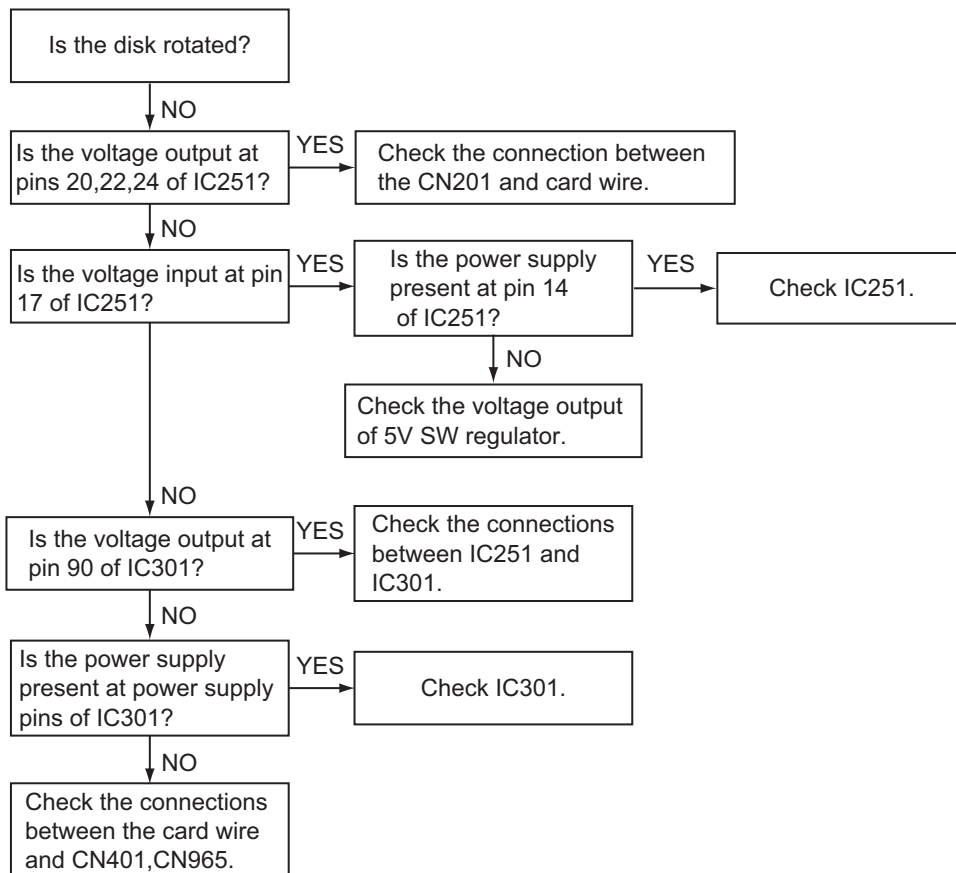
5.1 Feed section



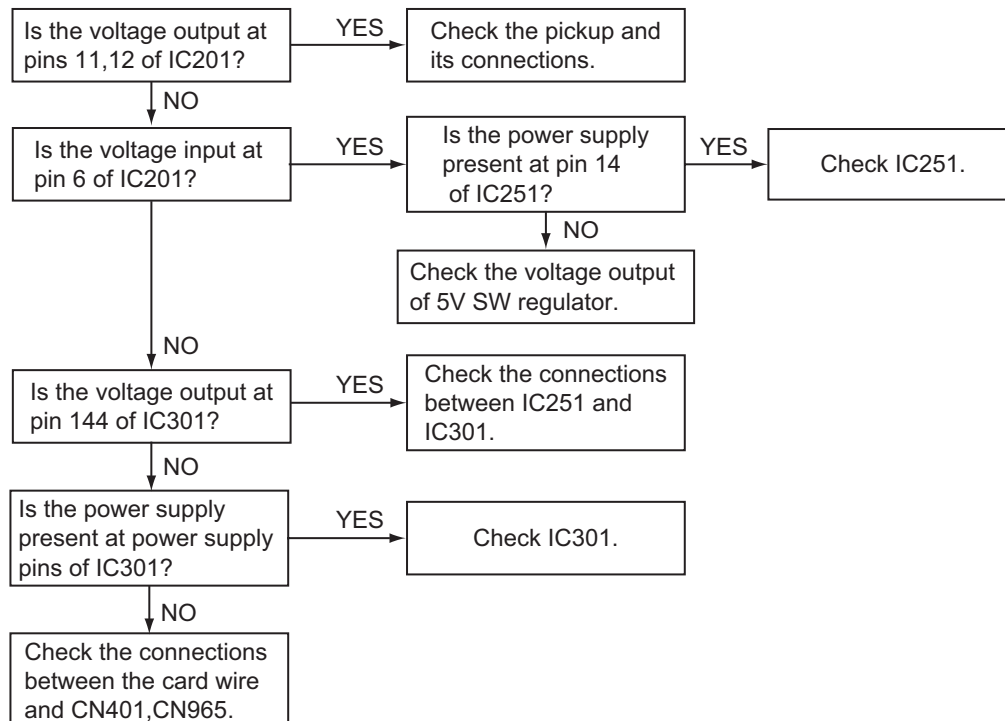
5.2 Focus section



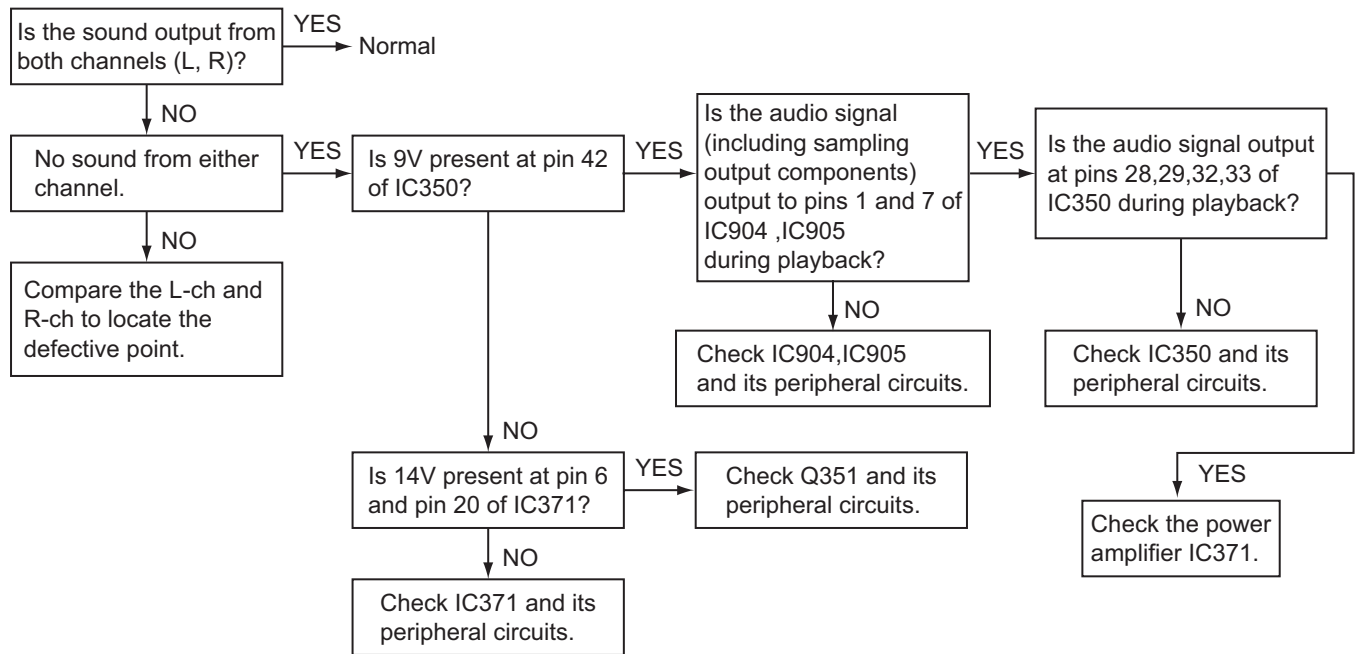
5.3 Spindle section



5.4 Tracking section

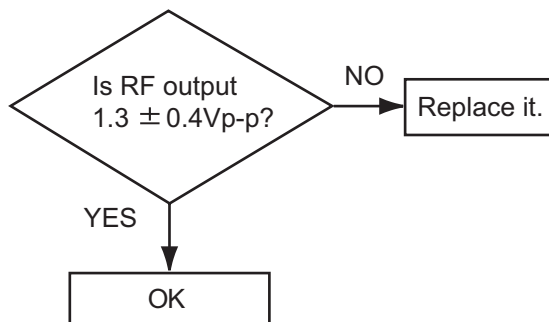


5.5 Signal processing section



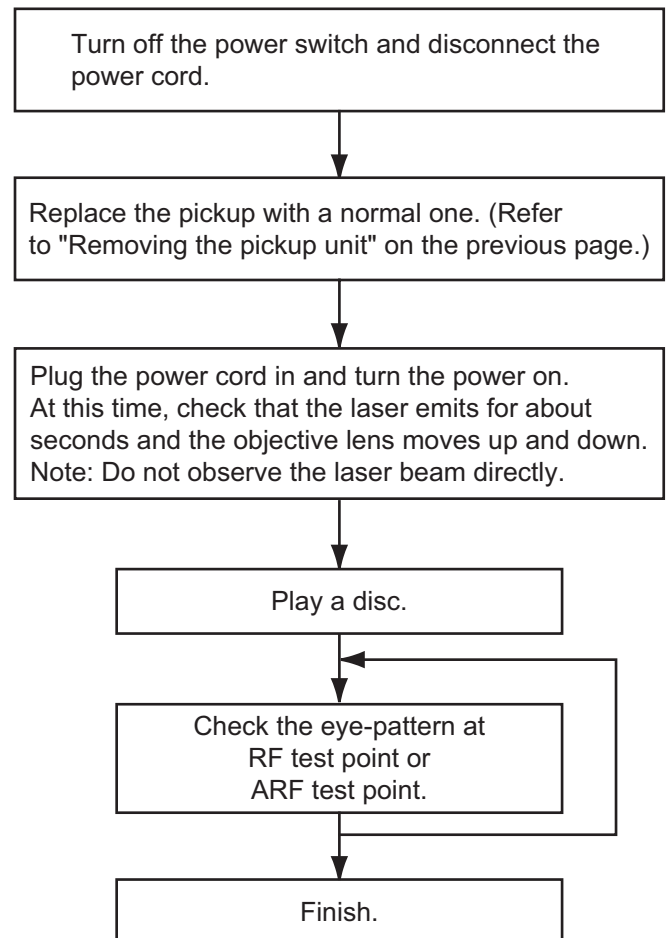
5.6 Maintenance of laser pickup

- (1) Cleaning the pick up lens
Before you replace the pick up, please try to clean the lens with a alcohol soaked cotton swab.
- (2) Life of the laser diode
When the life of the laser diode has expired, the following symptoms will appear.
 - The level of RF output (EFM output: amplitude of eye pattern) will be low.

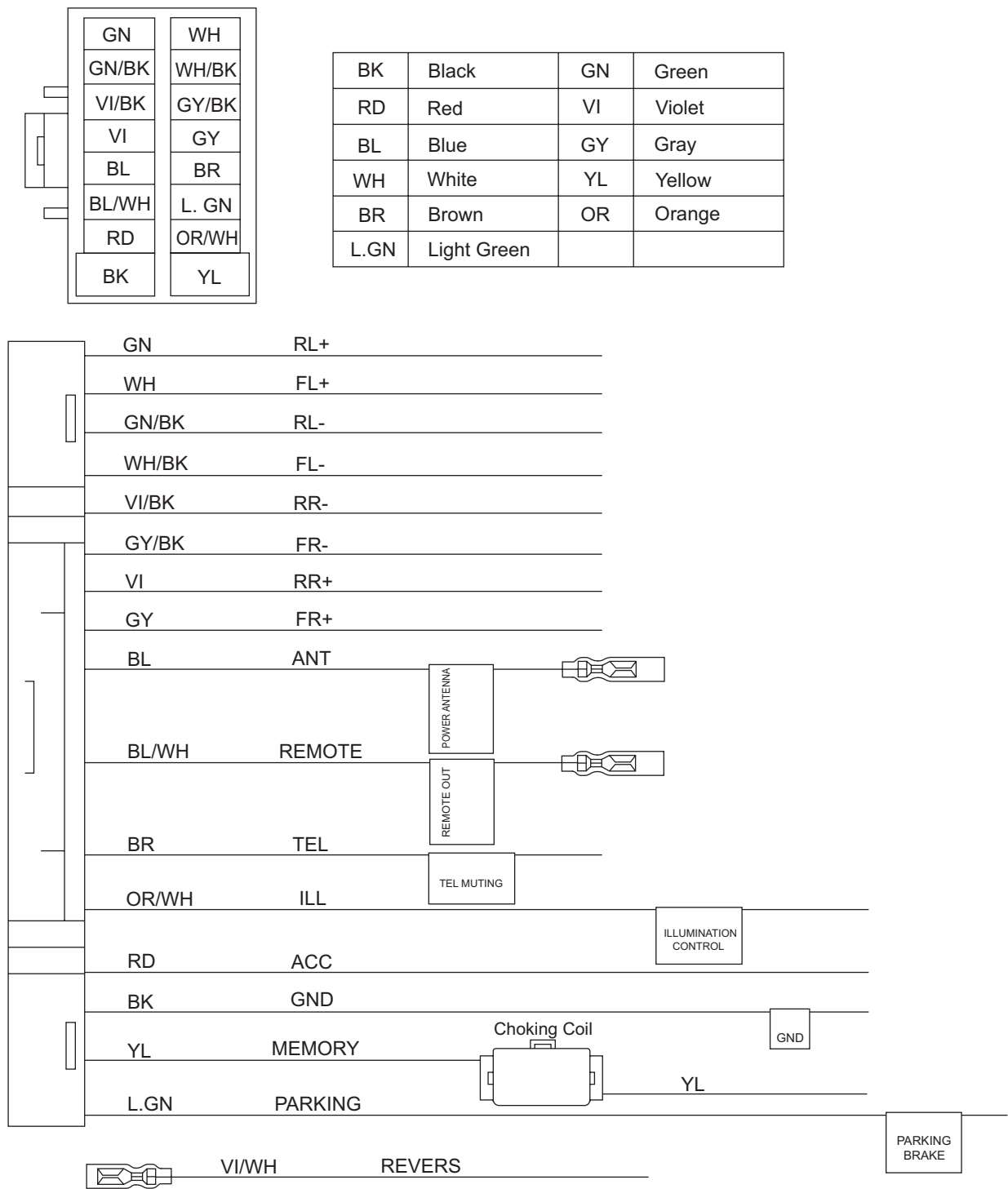


- (3) Semi-fixed resistor on the APC PC board
The semi-fixed resistor on the APC printed circuit board which is attached to the pickup is used to adjust the laser power. Since this adjustment should be performed to match the characteristics of the whole optical block, do not touch the semi-fixed resistor.
If the laser power is lower than the specified value, the laser diode is almost worn out, and the laser pickup should be replaced. If the semi-fixed resistor is adjusted while the pickup is functioning normally, the laser pickup may be damaged due to excessive current.

5.7 Replacement of laser pickup

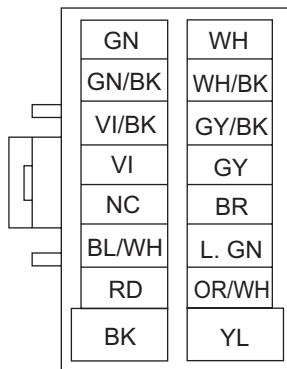


5.8 16 PIN CORD DIAGRAM (for KD-AVX2J,KD-AVX2U,KD-AVX2UN,KD-AVX2A)

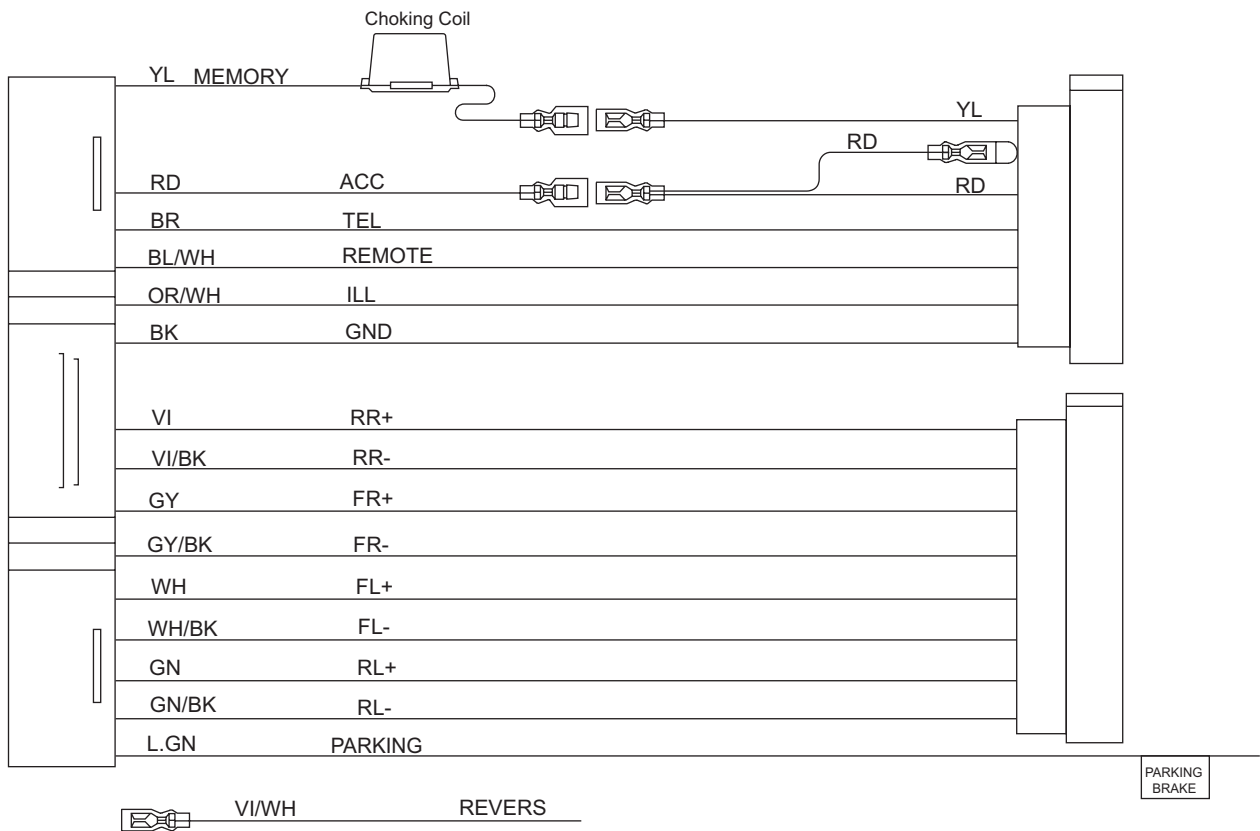
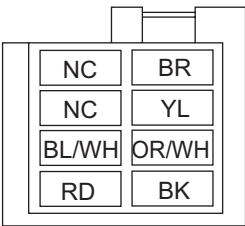


| | | | |
|--------|-----------------------|---------|------------------------|
| RR | Rear Right | ACC | ACC Line |
| FR | Front Right | TEL | Telephone Muting |
| FL | Front Left | GND | Ground |
| RL | Rear Left | MEMORY | Memory Backup Battery+ |
| REMOTE | Remote | PARKING | Parking Brake |
| ILL | Illuminations Control | ANT | Auto Antenna |
| REVERS | Revers Gear Signal | | |

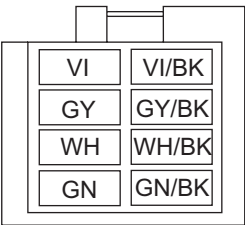
5.9 16 PIN CORD DIAGRAM (for KD-AVX2E,KD-AVX2EU,KD-AVX2EE)



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



| | | | |
|--------|-----------------------|---------|------------------------|
| 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 | PARKING | Parking Brake |
| ILL | Illuminations Control | ANT | Auto Antenna |
| REVERS | Revers Gear Signal | | |





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.MA254)



Printed in Japan
VPT

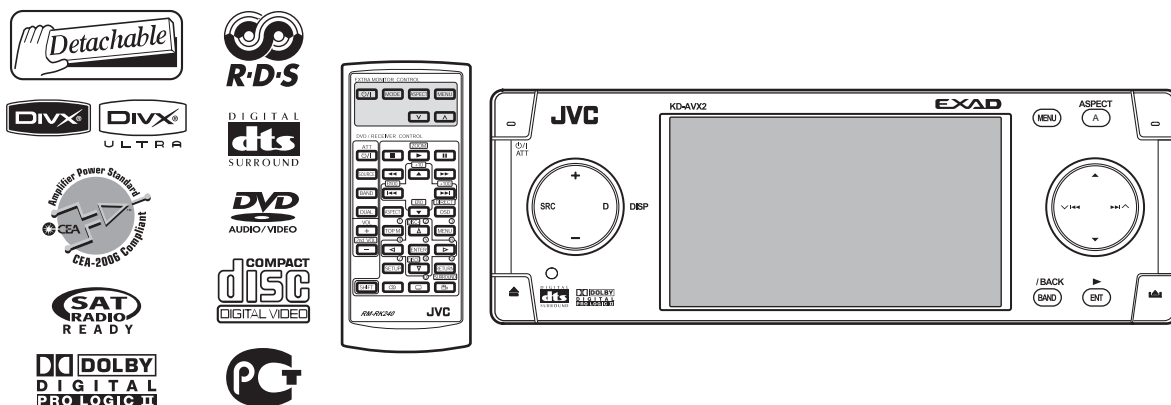
JVC

SCHEMATIC DIAGRAMS

DVD/CD PLAYER

KD-AVX2J, KD-AVX2E, KD-AVX2EU
KD-AVX2EE, KD-AVX2U, KD-AVX2UN
KD-AVX2A

CD-ROM No.SML200604



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

Contents

| | |
|-----------------------------------|-----------|
| Block diagram | 2-1 |
| Standard schematic diagrams | 2-2 |
| Printed circuit boards | 2-8 to 10 |

Safety precaution

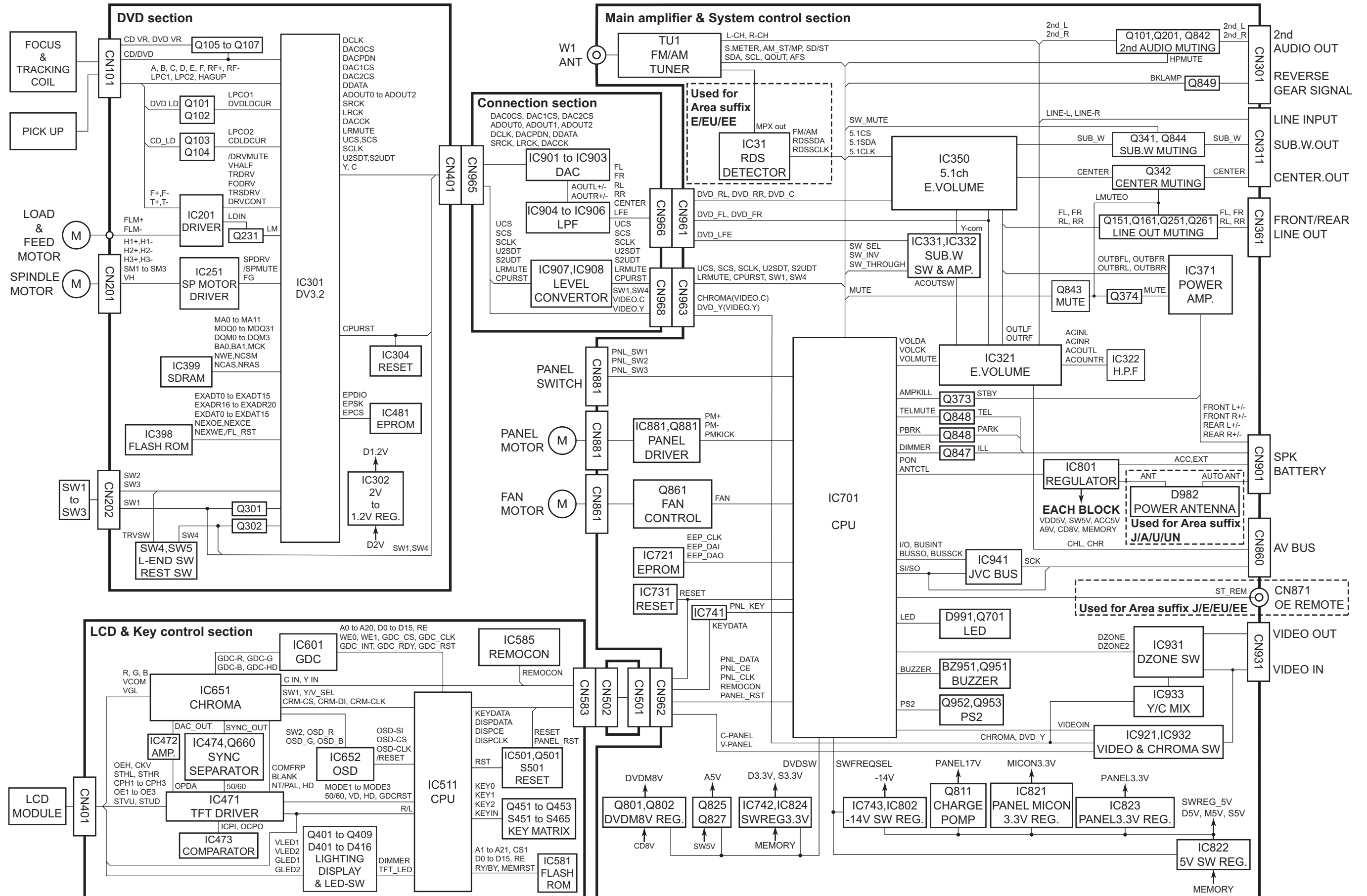


CAUTION Burrs formed during molding may be left over on some parts of the chassis. Therefore, pay attention to such burrs in the case of performing repair of this system.



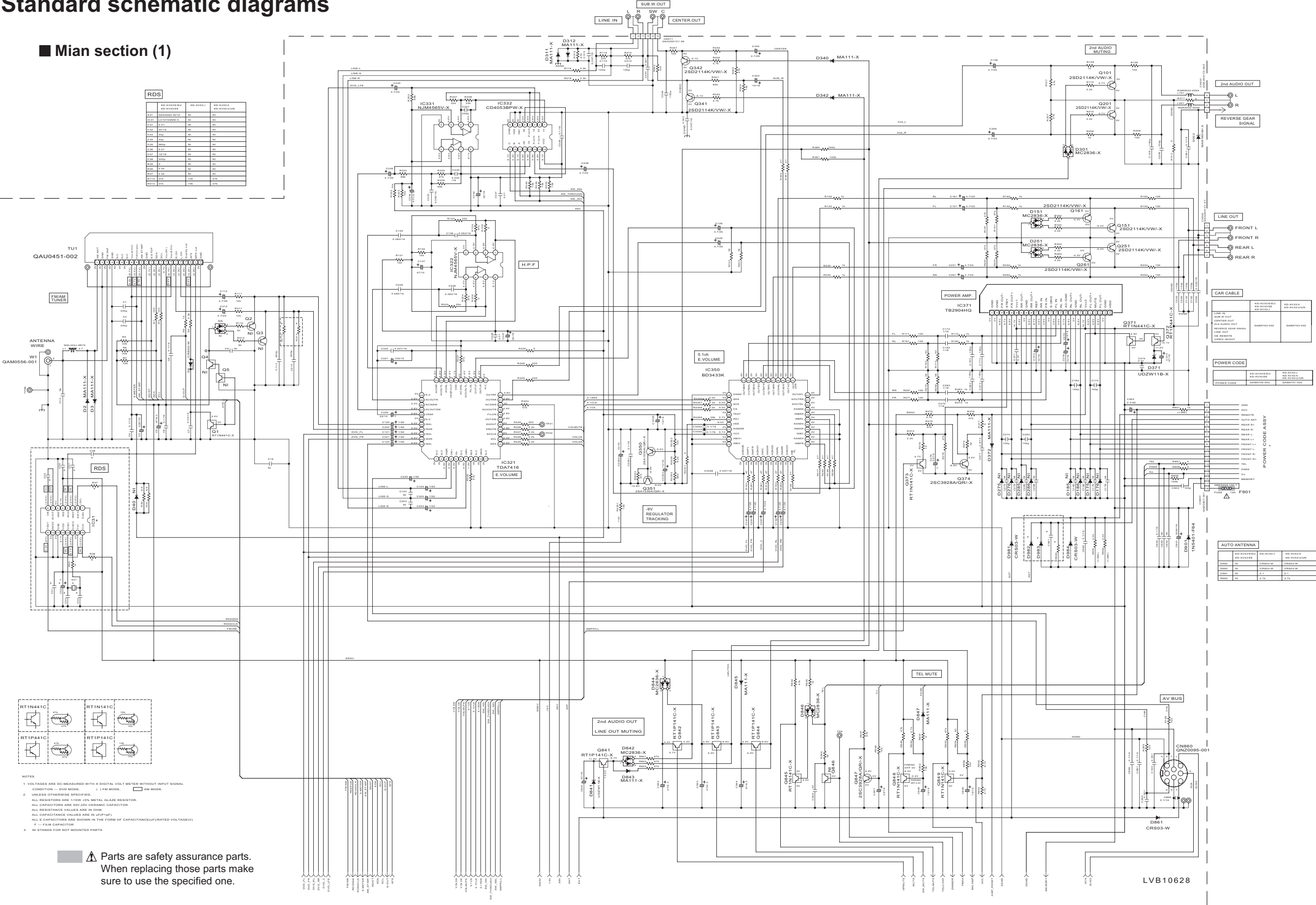
CAUTION Please use enough caution not to see the beam directly or touch it in case of an adjustment or operation check.

Block diagram

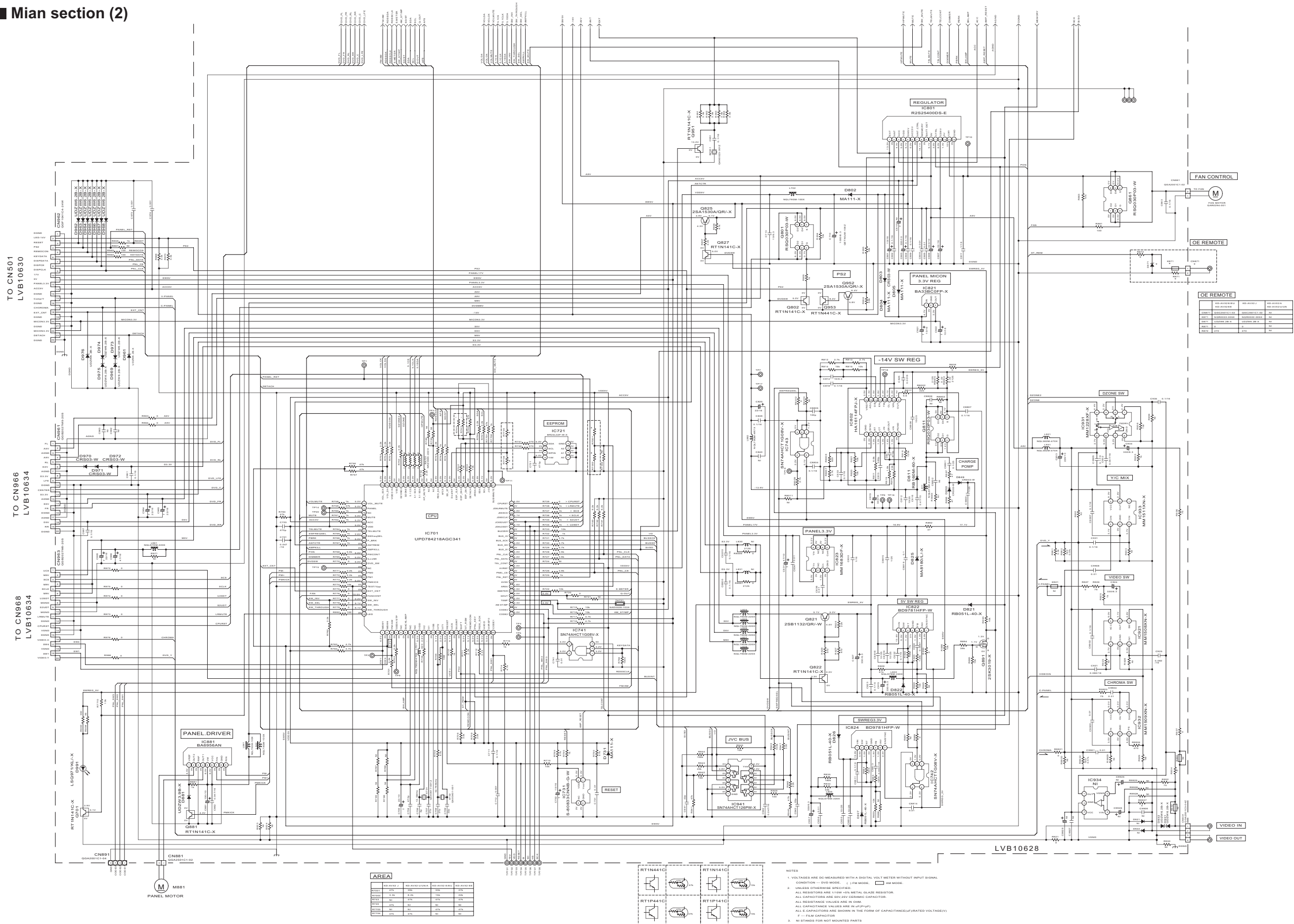


Standard schematic diagrams

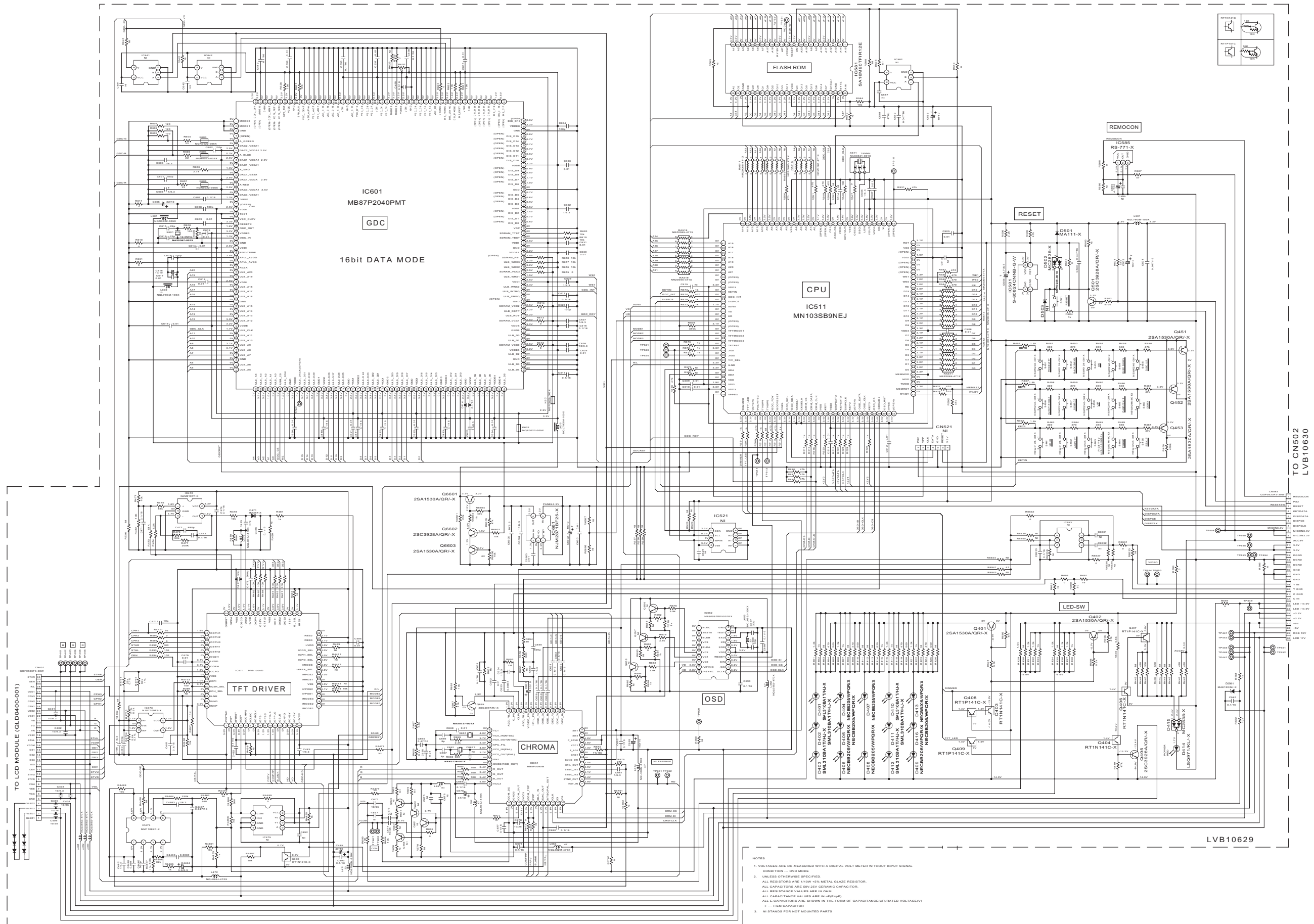
■ Mian section (1)



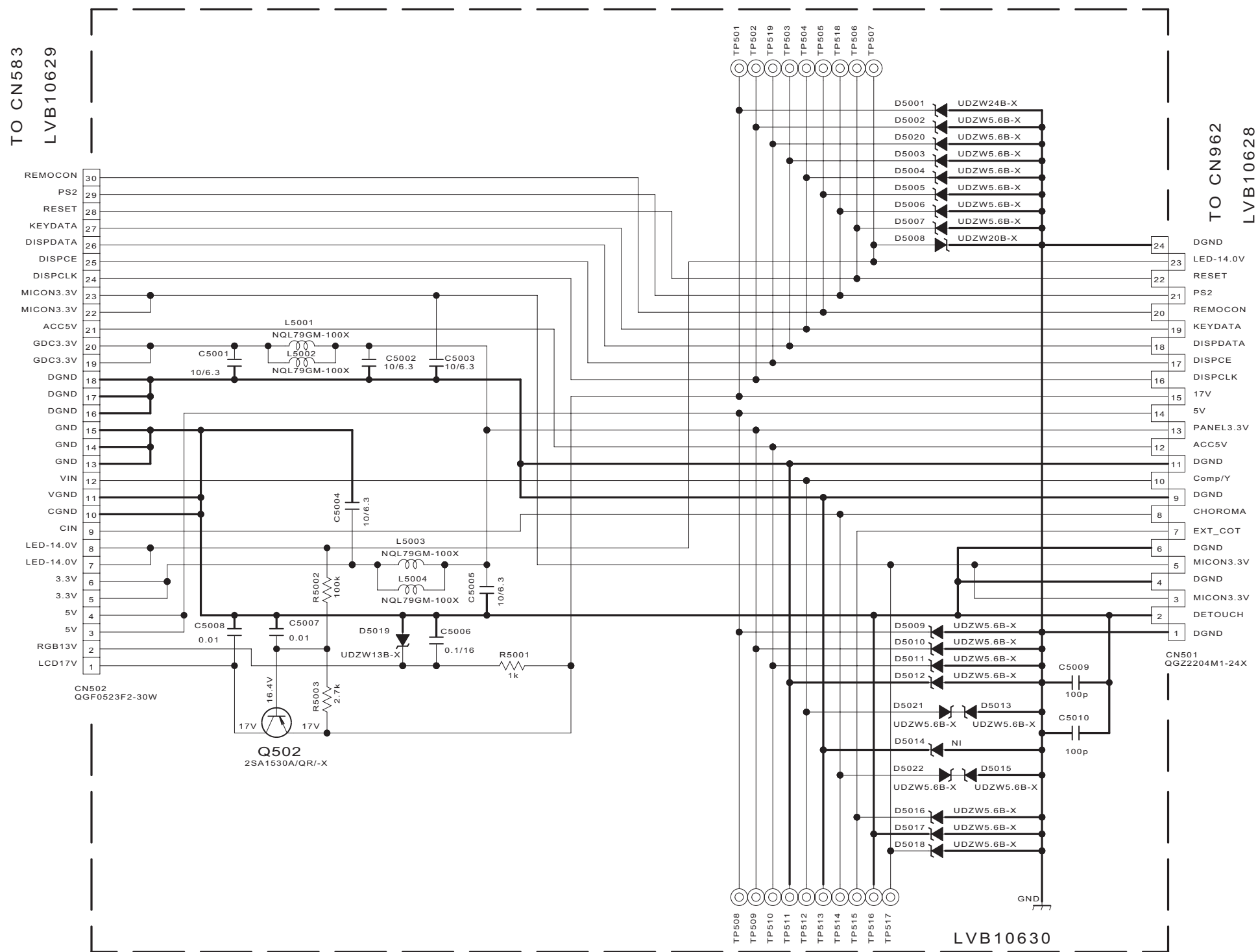
■ Mian section (2)



■ Panel section (1)



■ Panel section (2)

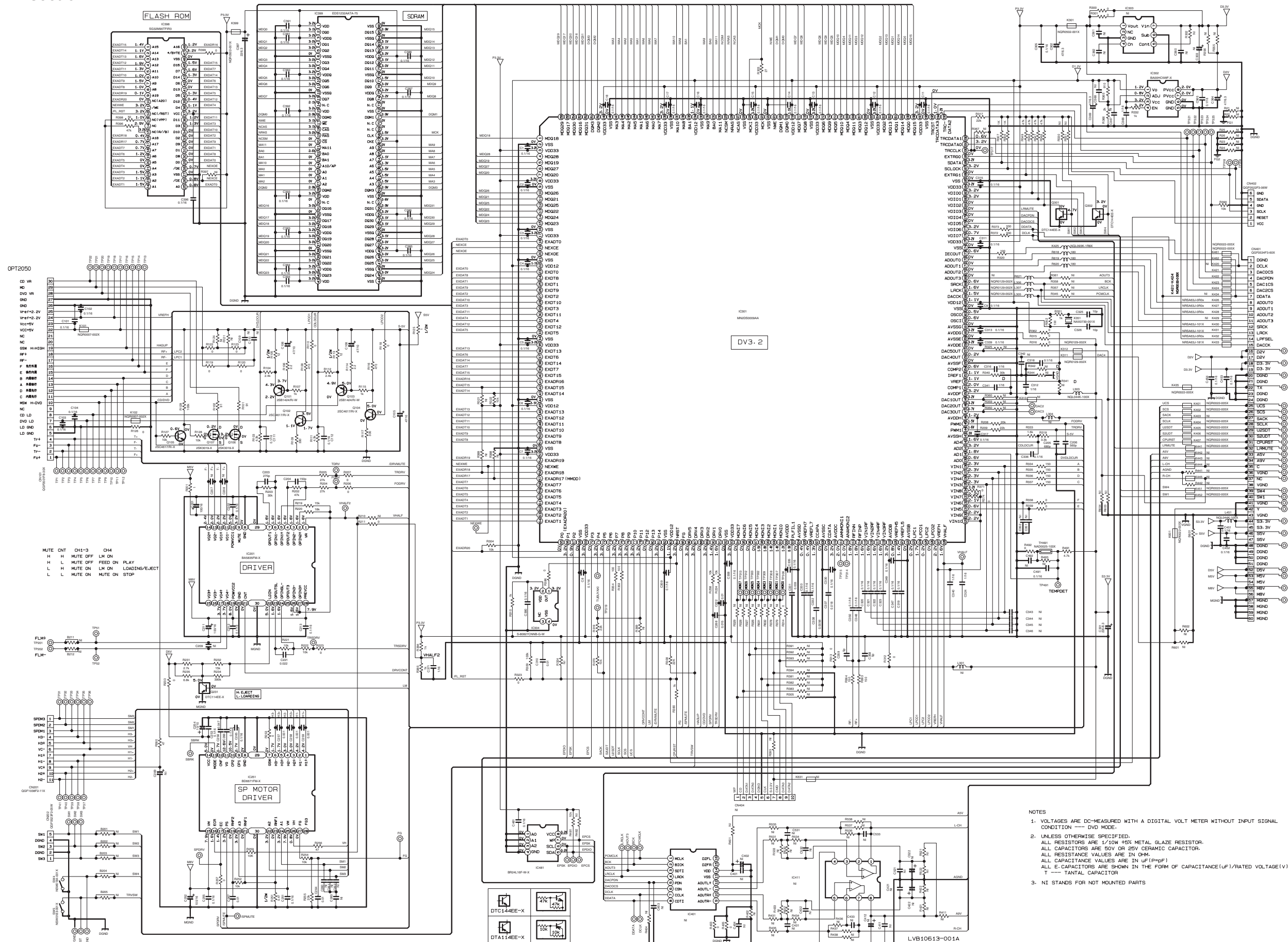


- NOTES
1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER WITHOUT INPUT SIGNAL
CONDITION --- DVD MODE
 2. UNLESS OTHERWISE SPECIFIED.
ALL RESISTORS ARE 1/10W +5% METAL GLAZE RESISTOR.
ALL CAPACITORS ARE 50V,25V CERAMIC CAPACITOR.
ALL RESISTANCE VALUES ARE IN OHM.
ALL CAPACITANCE VALUES ARE IN uF(P=pF)
ALL E.CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(uF)/RATED VOLTAGE(V)
F --- FILM CAPACITOR
 3. NI STANDS FOR NOT MOUNTED PARTS

■ Connection section

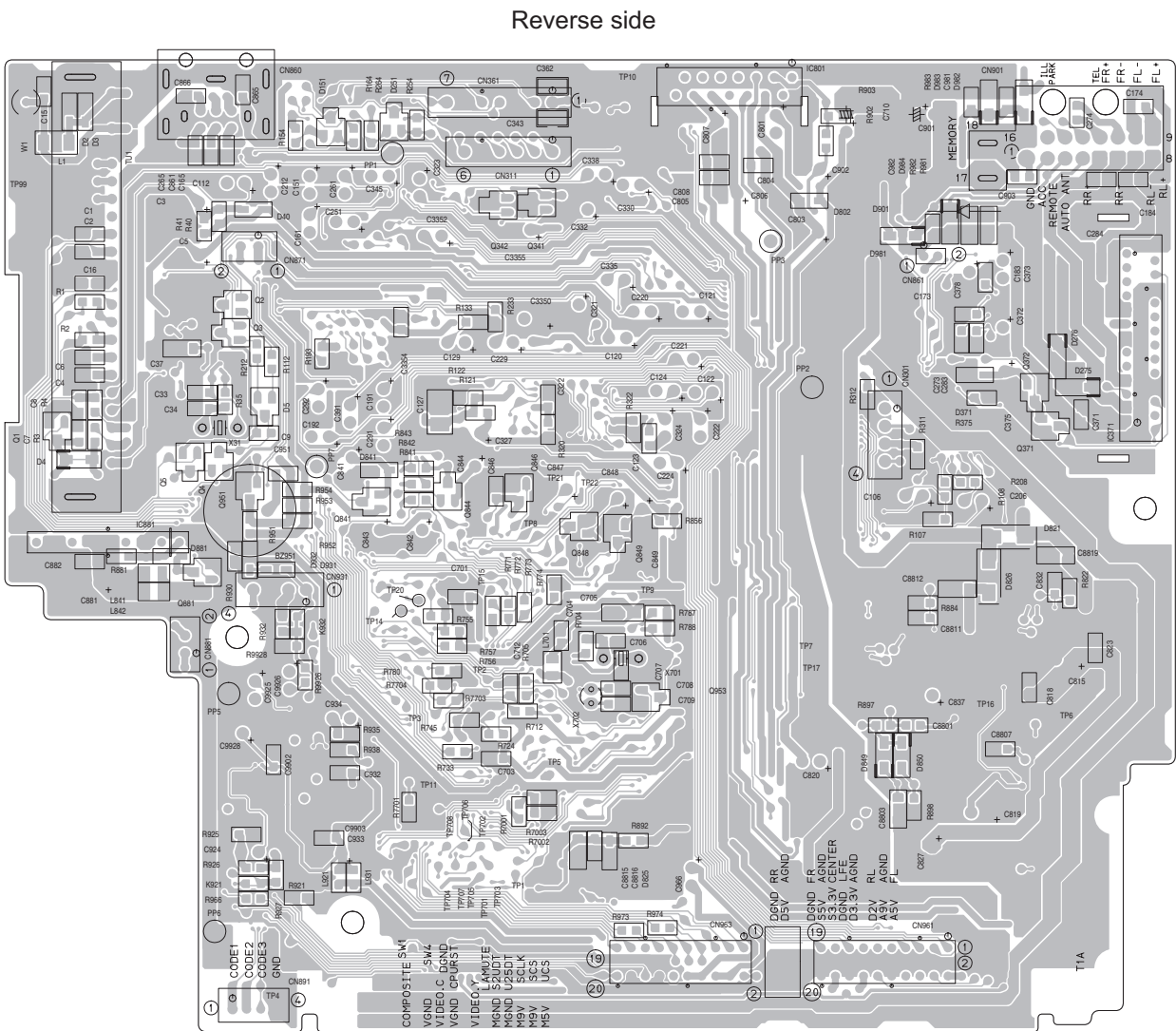
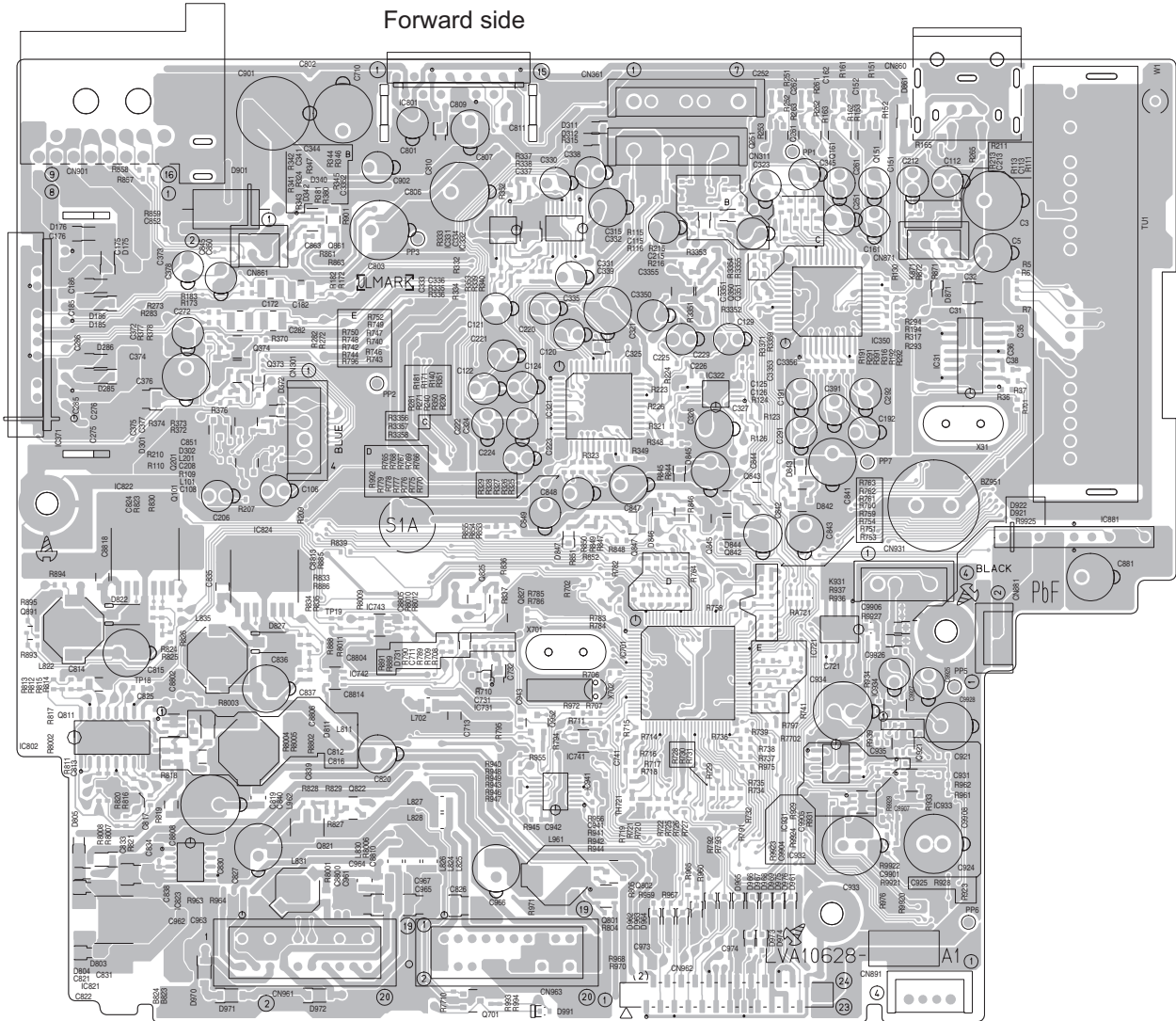


■ DVD section

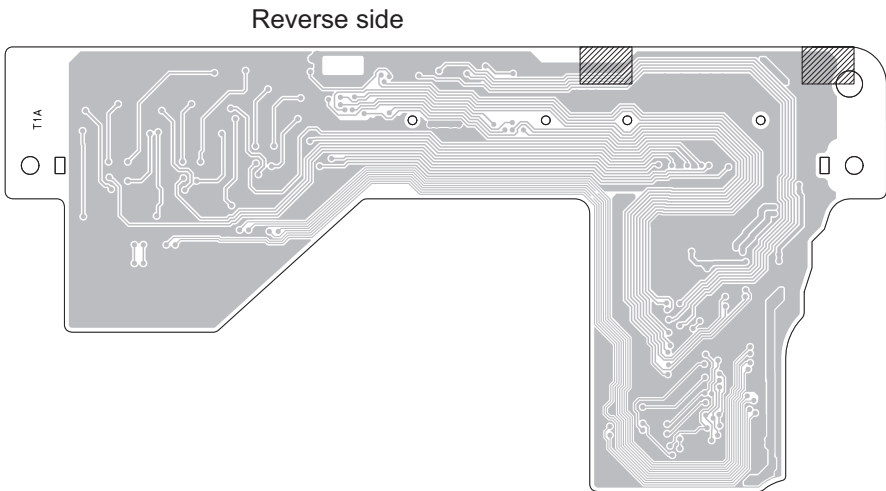
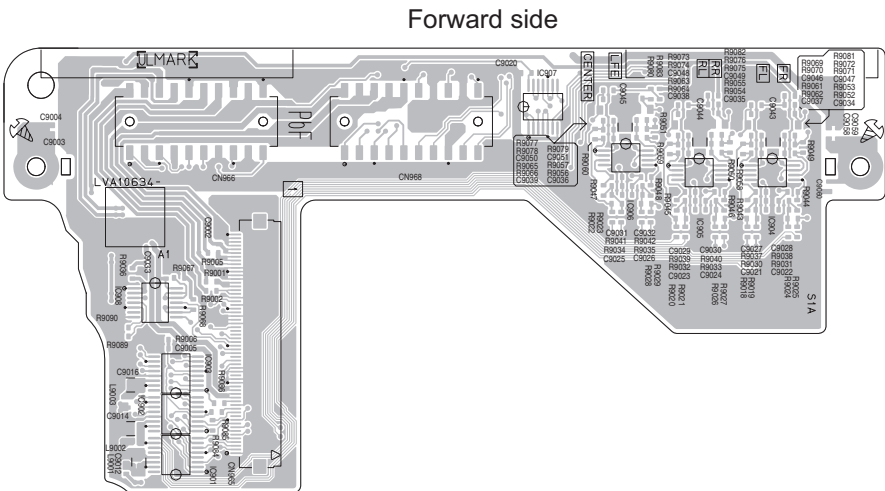


Printed circuit boards

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

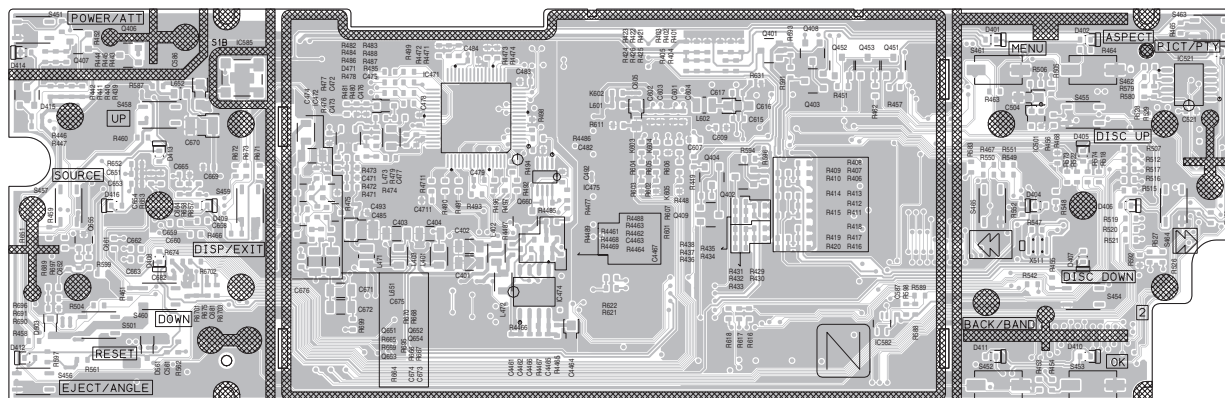


■ Connection board Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

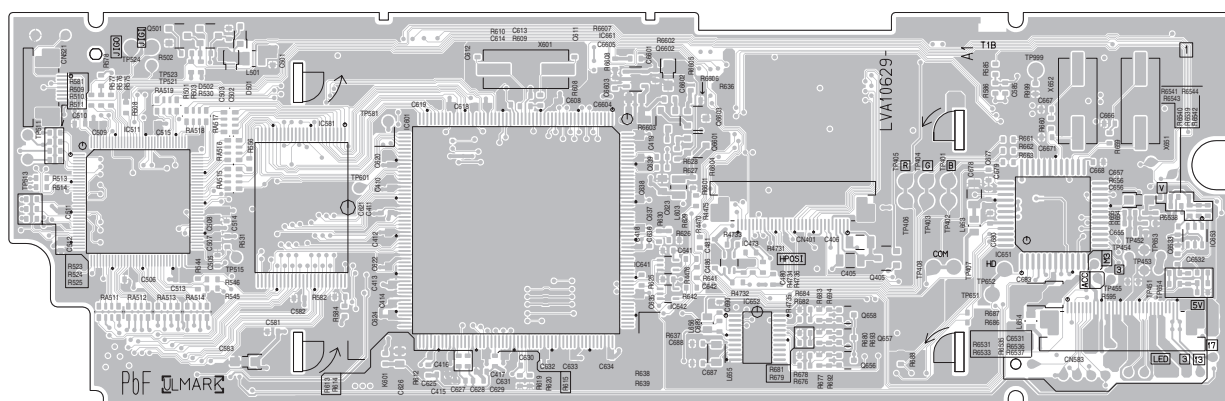


■ **Panel-A board** Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

Forward side

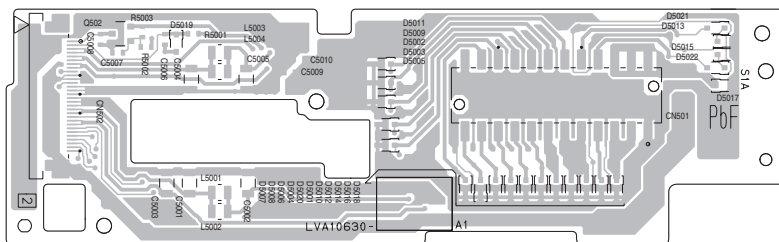


Reverse side

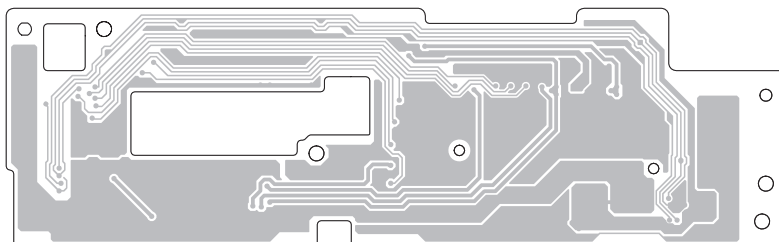


■ **Panel-B board** Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

Forward side

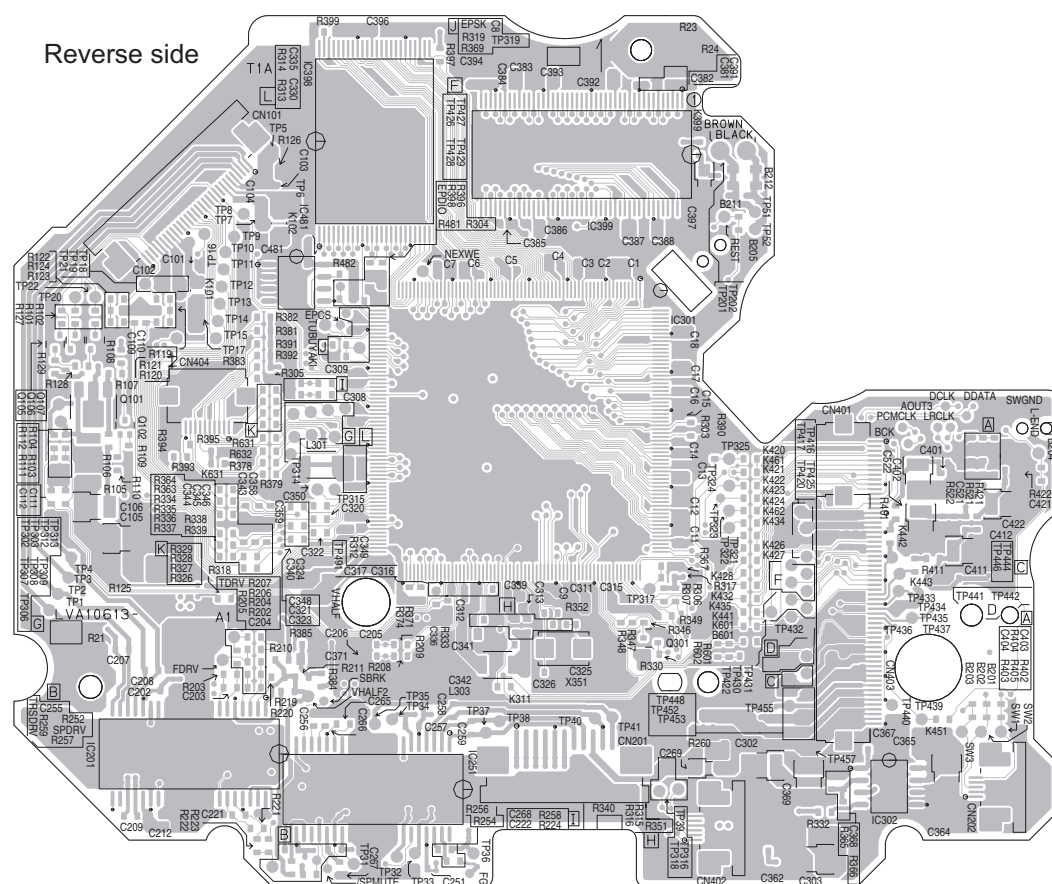
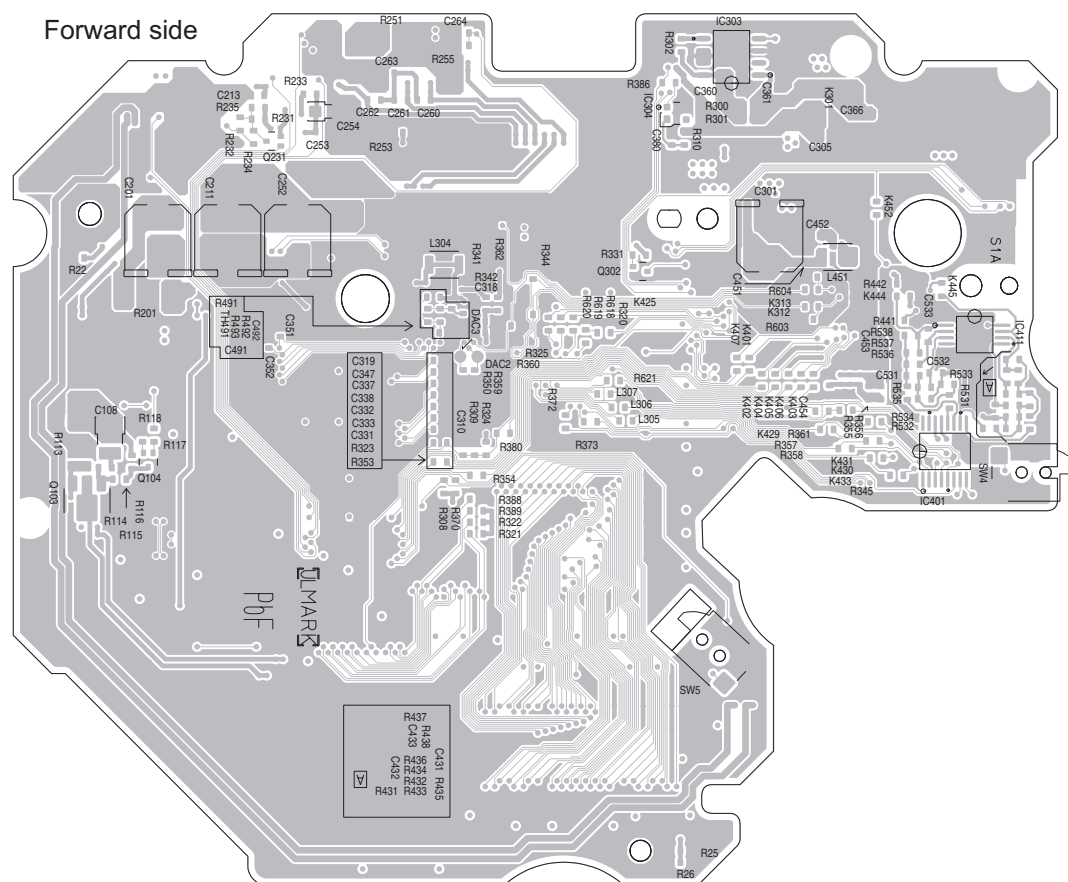


Reverse side



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

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



< 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.MA254SCH)



Printed in Japan
VPT

PARTS LIST

KD-AVX2J
KD-AVX2E,KD-AVX2EU,KD-AVX2EE
KD-AVX2U,KD-AVX2UN,KD-AVX2A

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

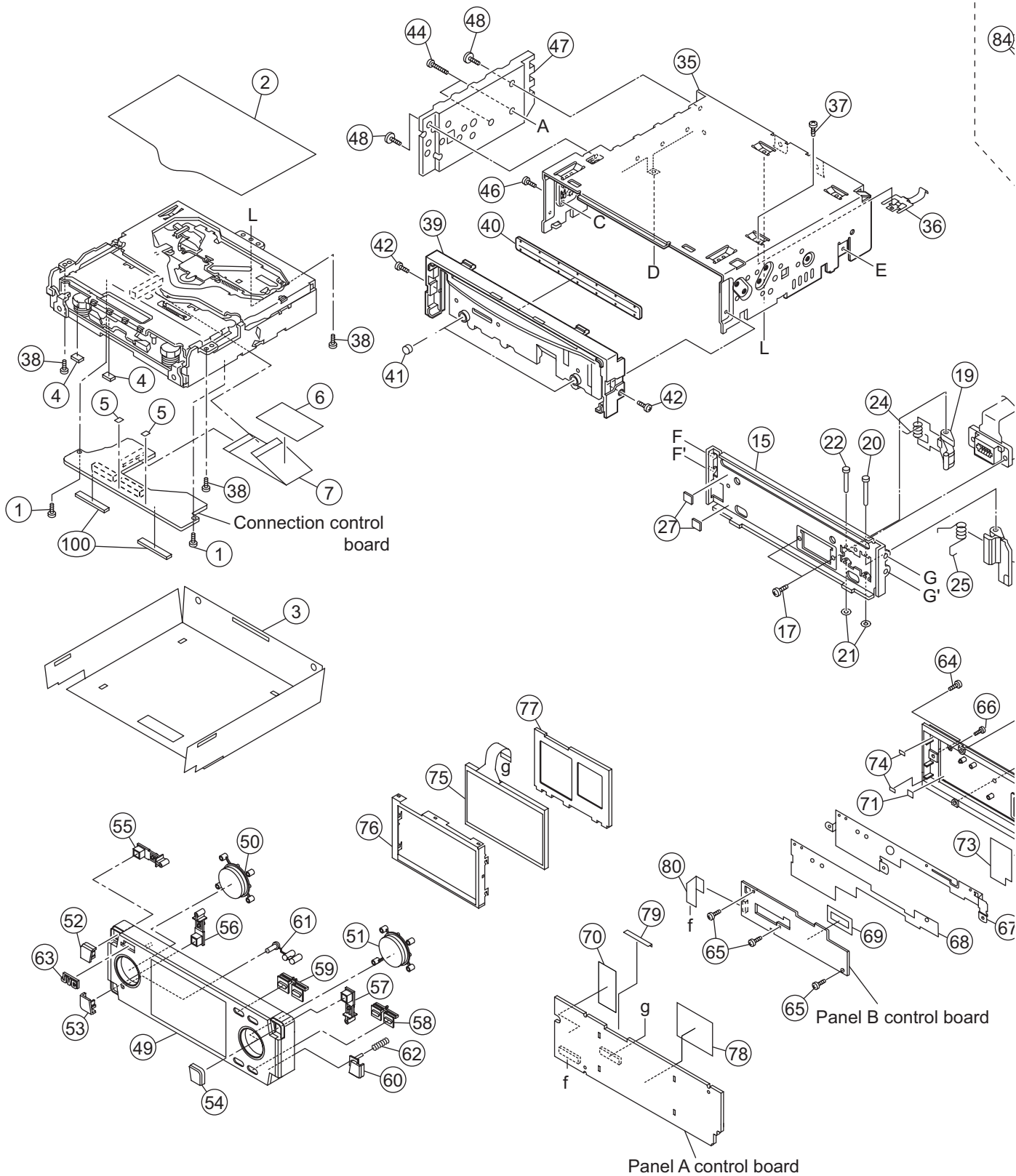
- Contents -

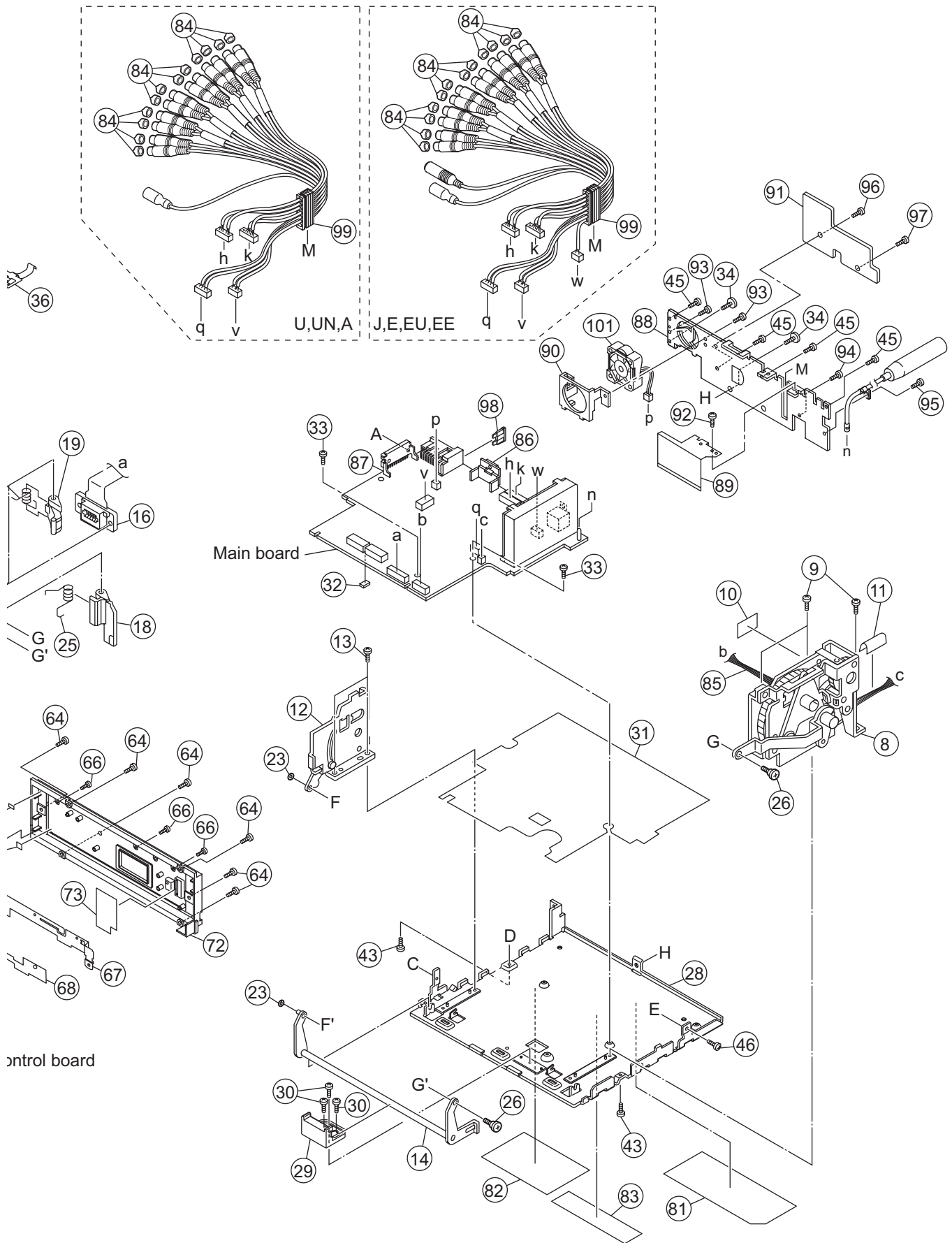
| | |
|--|------|
| Exploded view of general assembly and parts list (Block No.M1) | 3- 2 |
| DVD mechanism assembly and parts list (Block No.MJ) | 3- 6 |
| Electrical parts list (Block No.01~05) | 3- 9 |
| Packing materials and accessories parts list (Block No.M3) | 3-22 |

Exploded view of general assembly and parts list

Block No.

| | | | |
|---|---|---|---|
| M | 1 | M | M |
|---|---|---|---|





General Assembly

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

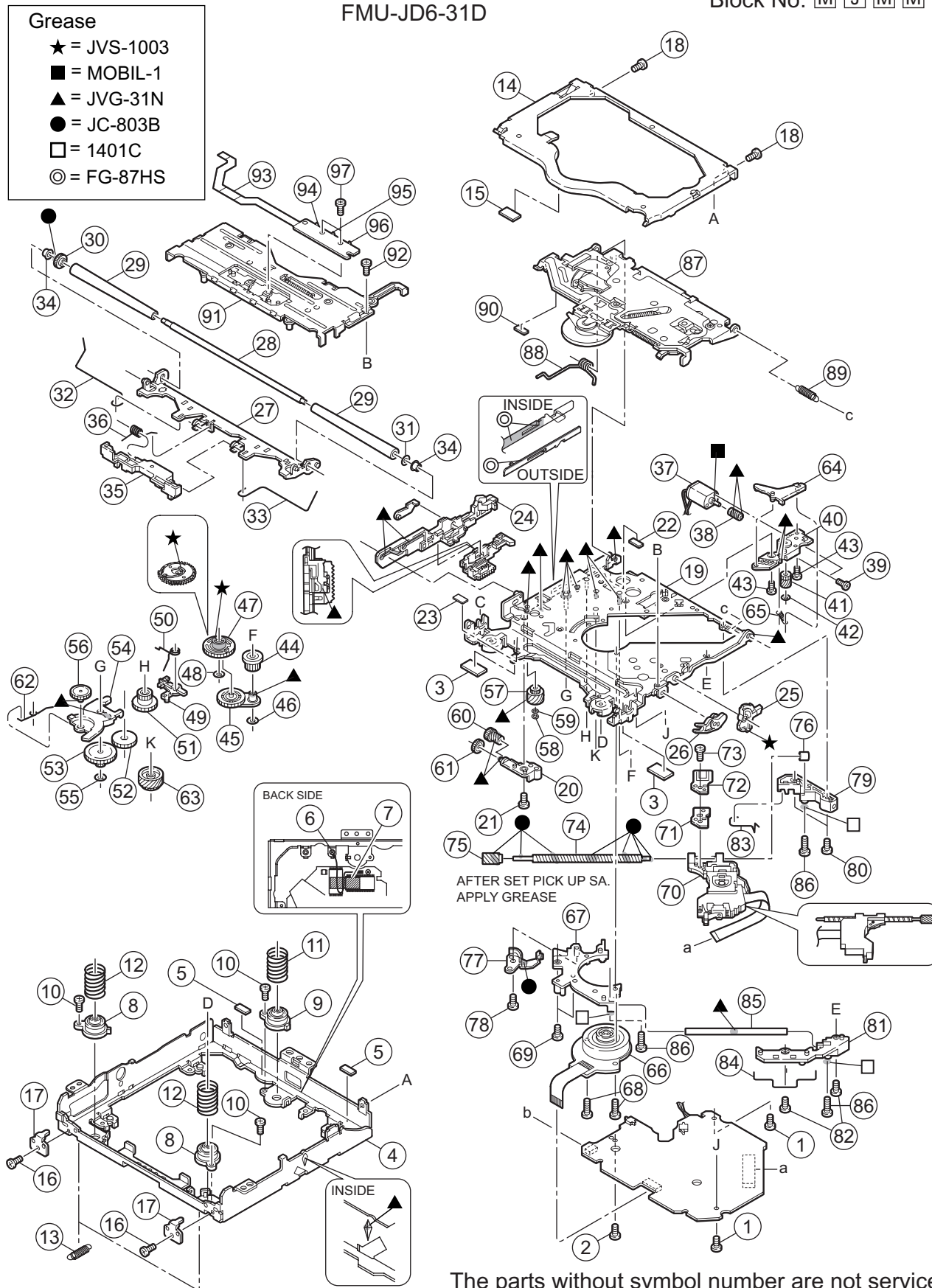
| Symbol No. | Part No. | Part Name | Description | Local |
|------------|-----------------|--------------------|--------------------------|---------|
| 1 | LV44659-001A | SPECIAL SCREW | (x2) | |
| 2 | LV34460-001A | INSULATOR | | |
| 3 | LV36834-001A | INSULATOR(ME) | | |
| 4 | LV40849-018A | SPACER | (x2) | |
| 5 | LV40848-069A | SPACER(P) | (x2) | |
| 6 | LV44494-001A | PROTECT SHEET | | |
| 7 | QUQL05-6007BC-E | FFC WIRE | 60pin 7cm | |
| 8 | GE20156-001A | GEAR BKT UNIT | | |
| 9 | LV40865-002A | SCREW | (x3) | |
| 10 | LV40847-002A | SPACER | | |
| 11 | FSYH4036-100 | SHEET | | |
| 12 | GE30968-002A | LEVER BKT UNIT | | |
| 13 | LV40865-002A | SCREW | (x2) | |
| 14 | GE30964-003A | LOWER LEVER ASS | | |
| 15 | LV36626-001A | FRONT BKT ASSY | | |
| 16 | QNZ0836-002 | CAR CONNECTOR | | |
| 17 | QYSPSGU2040ZA | TAP SCREW | M2 x 4mm(x2) | |
| 18 | LV35484-001A | DETACH LEVER | | |
| 19 | GE30973-001A | KICK LEVER | | |
| 20 | GE40192-002A | SHAFT | | |
| 21 | QYWDL123525 | SLIT WASHER | 3.5mm/1.2mm x 0.25mm(x2) | |
| 22 | GE40193-002A | SHAFT | | |
| 23 | QYWDL215025 | SLIT WASHER | 5mm/2.1mm x 0.25mm(x2) | |
| 24 | GE40194-001A | T SPRING | | |
| 25 | GE40195-002A | T SPRING | | |
| 26 | LV42181-002A | SPECIAL SCREW | (x2) | |
| 27 | LV43971-001A | ABSORBER | (x2) | |
| 28 | LV11219-001A | BOTTOM CHASSIS | | |
| 29 | LV36625-001A | FPC GUIDE | | |
| 30 | LV40865-002A | SCREW | (x3) | |
| 31 | LV36627-002A | INSULATOR | | |
| 32 | LV40849-019A | SPACER(R) | | |
| 33 | LV41200-004A | SPECIAL SCREW | (x2) | |
| 34 | LV41200-004A | SPECIAL SCREW | (x2) | |
| 35 | LV10970-004A | TOP CHASSIS | | |
| 36 | LV35751-001A | EARTH SPRING | | |
| 37 | QYSDST2604ZA | TAP SCREW | M2.6 x 4mm | |
| 38 | QYSDST2604ZA | TAP SCREW | M2.6 x 4mm(x3) | |
| 39 | LV36623-001A | F.CHASSIS ASSY | | |
| 40 | GE40156-001A | BLIND | | |
| 41 | GE40196-002A | ABSORBER | (x2) | |
| 42 | QYSPSP2003ZA | SCREW | M2 x 3mm(x2) | |
| 43 | GE40235-001A | SCREW | (x2) | |
| 44 | QYSDST2614ZA | TAP SCREW | M2.6 x 14mm(x2) | |
| 45 | LV41200-004A | SPECIAL SCREW | (x4) | |
| 46 | LV41200-004A | SPECIAL SCREW | (x2) | |
| 47 | LV35331-003A | SIDE HEAT SINK | | |
| 48 | GE40235-001A | SCREW | (x2) | |
| 49 | LV22259-001A | PANEL ASSY | | J |
| 49 | LV22259-002A | PANEL ASSY | | E,EU,EE |
| 49 | LV22259-003A | PANEL ASSY | | U,UN,A |
| 50 | LV36638-001A | BUTTON ASSY(+) | | |
| 51 | LV36639-001A | BUTTON ASSY(UD) | | |
| 52 | LV36632-001A | CAP(POWER) | | |
| 53 | LV36633-001A | CAP(EJECT) | | |
| 54 | LV36634-001A | CAP (T/P) | | |
| 55 | LV36635-002A | BUTTON (POWER) | | |
| 56 | LV36636-001A | BUTTON (EJECT) | | |
| 57 | LV36637-001A | BUTTON (T/P) | | |
| 58 | LV36630-001A | BUTTON(OK) | | |
| 59 | LV36631-001A | BUTTON(MENU) | | |
| 60 | LV36628-001A | BUTTON(DETACH) | | |
| 61 | LV36629-001A | BUTTON(RESET) | | |
| 62 | LV44055-001A | COMPRESSION SPRING | | |
| 63 | LV43184-002A | JVC BADGE | | |
| 64 | VKZ4777-010 | MINI SCREW | (x6) | |
| 65 | VKZ4777-011 | MINI SCREW | (x3) | |
| 66 | QYSPSPU1730ZA | SCREW | M1.7 x 3mm(x3) | |
| 67 | LV22260-001A | EARTH PLATE | | |
| 68 | LV36835-001A | INSULATOR | | |
| 69 | LV44569-001A | SW PWB SHEET | | |
| 70 | LV40847-033A | SPACER(H) | | |
| 71 | VYSH101-009 | SPACER | | |
| 72 | LV11224-001A | REAR COVER | | |

| △ | Symbol No. | Part No. | Part Name | Description | Local |
|---|------------|-----------------|----------------|----------------|----------------|
| | 73 | LV44644-001A | STATIC SHEET | | |
| | 74 | LV44646-002A | SPACER(PWB) | (x2) | |
| | 75 | QLD0400-001 | LCD MODULE | | |
| | 76 | LV22262-001A | TFT CASE | | |
| | 77 | LV22263-001A | TFT HOLDER | | |
| | 78 | LV44645-002A | EMC SHEET | | |
| | 79 | LV44613-001A | SPACER(FPC) | | |
| | 80 | WJT0206-001A-E | E-CARD WIRE | | |
| | 81 | LV36761-001A | NAME PLATE | | J |
| | 81 | LV36762-003A | NAME PLATE | | E |
| | 81 | LV36950-001A | NAME PLATE | | EU,EE |
| | 81 | LV36763-001A | NAME PLATE | | U,UN,A |
| | 82 | LV36920-001A | DVD LABEL) | | J |
| | 82 | LV36920-002A | DVD LABEL | | E,EU |
| | 82 | LV36920-005A | DVD LABEL | | EE |
| | 82 | LV36920-003A | LABEL(DVD) | | U,UN |
| | 82 | LV36920-004A | LABEL(DVD) | | A |
| | 83 | LV41843-002A | LASER CAUTION | | E,EU,EE,U,UN,A |
| | 84 | GE40101-001A | PIN CAP | (x12) | |
| | 85 | QJJ010-040904-E | SIN CR C-C WIR | | |
| | 86 | LV41993-002A | REG BKT | | |
| | 87 | LV43967-001A | IC BRACKET | | |
| | 88 | LV36743-001A | REAR BRACKET | | |
| | 89 | LV36747-001A | WIRE BRACKET | | |
| | 90 | LV43966-001A | FAN BRACKET | | |
| | 91 | LV36742-001A | REAR HEAT SINK | | |
| | 92 | QYSDST2606ZA | TAP SCREW | M2.6 x 6mm | |
| | 93 | QYSDST2606ZA | TAP SCREW | M2.6 x 6mm(x2) | |
| | 94 | QYSDST2606ZA | TAP SCREW | M2.6 x 6mm | |
| | 95 | QYSDST2606ZA | TAP SCREW | M2.6 x 6mm | |
| | 96 | GE40235-001A | SCREW | | |
| | 97 | QYSDST2606ZA | TAP SCREW | M2.6 x 6mm | |
| △ | 98 | QMFZ039-150-T | FUSE | 15A | |
| | 99 | QAM0702-002 | CAR CABLE | | J,E,EU,EE |
| | 99 | QAM0703-002 | CAR CABLE | | U,UN,A |
| | 100 | LV44568-001A | SPACER(ME) | (x2) | |
| | 101 | QAR0294-001 | FAN MOTOR | | |

DVD mechanism assembly and parts list

FMU-JD6-31D


Block No. M J M M



DVD mechanism

Block No. [M][J][M][M]

| △ | Symbol No. | Part No. | Part Name | Description | Local |
|---|------------|---------------|-----------------|----------------------|-------|
| | 1 | VKZ4539-056 | MINI SCREW | (x2) | |
| | 2 | QYSPSFT2040ZA | TAP SCREW | M2 x 4mm | |
| | 3 | LV43481-001A | COOLING RUBBER | (x2) | |
| | 4 | LV10674-001A | CHASSIS FRAME | | |
| | 5 | LV30225-0J6A | SPACER | (x2) | |
| | 6 | VKZ4539-056 | MINI SCREW | | |
| | 7 | VYSA1R4-056 | SPACER | | |
| | 8 | LV35272-001A | DAMPER(F) | (x2) | |
| | 9 | LV35273-001A | DAMPER(R) | | |
| | 10 | QYSDST2005ZA | TAP SCREW | M2 x 5mm(x3) | |
| | 11 | LV43039-001A | DAMPER SP.(R) | | |
| | 12 | LV43849-001A | DAMPER SP(F2) | (x2) | |
| | 13 | LV43041-001A | FLOATING SPRING | (x2) | |
| | 14 | LV10675-001A | TOP COVER | | |
| | 15 | LV30225-0J5A | SPACER | | |
| | 16 | VKZ4539-056 | MINI SCREW | (x2) | |
| | 17 | LV33669-001A | STOPPER | (x2) | |
| | 18 | VKZ4539-056 | MINI SCREW | (x2) | |
| | 19 | LV21297-004A | CHAS. BASE ASSY | | |
| | 20 | LV33608-002A | GEAR HOLDER | | |
| | 21 | VKZ4539-056 | MINI SCREW | | |
| | 22 | LV43561-002A | ABSORBER | | |
| | 23 | LV30225-0J5A | SPACER | | |
| | 24 | LV36831-001A | SLIDE CAM ASSY2 | | |
| | 25 | LV33610-002A | FLOATING ARM | | |
| | 26 | LV33611-001A | CONNECT ARM | | |
| | 27 | LV33678-003A | LOADING A. ASSY | | |
| | 28 | LV43049-001A | LOADING SHAFT | | |
| | 29 | LV43052-003A | ROLLER | (x2) | |
| | 30 | LV33612-001A | LOADING GEAR | | |
| | 31 | QYWFM124013 | WASHER | 4mm/1.2mm x 0.13mm | |
| | 32 | LV43053-002A | ROD(L) | | |
| | 33 | LV43054-003A | ROD(R) | | |
| | 34 | LV43001-001A | COLLAR | (x2) | |
| | 35 | LV21285-003A | PROTECTOR | | |
| | 36 | LV43055-001A | PROTECTOR SP. | | |
| | 37 | QAR0373-001 | MOTOR | | |
| | 38 | LV43002-002A | WORM GEAR | | |
| | 39 | QYSPSPT2025MA | SCREW | M2 x 2.5mm(x2) | |
| | 40 | LV33679-001A | MOTOR H. ASSY | | |
| | 41 | LV33614-003A | WORM WHEEL | | |
| | 42 | QYWDL1230250 | SLIT WASHER | 3mm/1.2mm x 0.25mm | |
| | 43 | VKZ4539-056 | MINI SCREW | (x2) | |
| | 44 | LV33615-001A | GEAR 2 | | |
| | 45 | LV43057-004A | IDLER ARM ASSY | | |
| | 46 | QYWDL1635252 | SLIT WASHER | 3.5mm/1.6mm x 0.25mm | |
| | 47 | LV21286-001A | CONTROL CAM | | |
| | 48 | QYWDL1230196 | SLIT WASHER | 3mm/1.2mm x 0.19mm | |
| | 49 | LV33616-002A | LOAD.LOCK LEVER | | |
| | 50 | LV43060-001A | CAM SPRING | | |
| | 51 | LV43005-001A | GEAR 4 | | |
| | 52 | LV43006-002A | GEAR 5 | | |
| | 53 | LV33617-002A | GEAR 6 | | |
| | 54 | LV33618-002A | LOADING G. ARM | | |
| | 55 | QYWDL1635252 | SLIT WASHER | 3.5mm/1.6mm x 0.25mm | |
| | 56 | LV43007-002A | GEAR 7 | | |
| | 57 | LV33619-002A | GEAR 8 | | |
| | 58 | LV42132-001A | E RING | | |
| | 59 | QYWFM215013 | WASHER | 5mm/2.1mm x 0.13mm | |
| | 60 | LV33620-001A | GEAR 9 | | |
| | 61 | LV43008-001A | GEAR10 | | |
| | 62 | LV43061-001A | LOAD SPRING | | |
| | 63 | LV33621-001A | FEED GEAR | | |
| | 64 | LV33622-002A | TRIGGER ARM | | |
| | 65 | LV43062-001A | FEED TRI.SPRING | | |
| | 66 | QAR0240-002 | SPINDLE MOTOR | | |
| | 67 | LV21287-002A | SPINDLE BASE | | |
| | 68 | LV44169-001A | SPECIAL SCREW | (x2) | |
| | 69 | VKZ4539-056 | MINI SCREW | (x2) | |
| | 70 | QAL0742-001 | DVD PICK UP | | |
| | 71 | LV34583-002A | CD RACK PLATE | | |
| | 72 | LV34579-001A | CD RACK SPRING | | |
| | 73 | LV43903-002A | MINI TAP SCREW | | |
| | 74 | LV43037-001A | LEAD SCREW | | |

|  Symbol No. | Part No. | Part Name | Description | Local |
|--|---------------|-----------------|-------------|-------|
| 75 | LV43010-001A | L.S.GEAR | | |
| 76 | LV43063-001A | L.S.COLLAR | | |
| 77 | LV43011-001A | THRUST SPRING | | |
| 78 | QYSPSFT2040ZA | TAP SCREW | M2 x 4mm | |
| 79 | LV33624-001A | HOLDER(M) | | |
| 80 | VKZ4539-056 | MINI SCREW | (x2) | |
| 81 | LV22130-001A | HOLDER(S) 2 | | |
| 82 | VKZ4539-056 | MINI SCREW | (x2) | |
| 83 | LV43064-001A | ROD(M) | | |
| 84 | LV43065-001A | ROD(S) | | |
| 85 | LV43066-001A | SUB SHAFT | | |
| 86 | VKZ4730-002 | SPECIAL SCREW | (x3) | |
| 87 | LV21298-007A | CLAMPER UNIT | | |
| 88 | LV43070-001A | CLAMPER SPRING | | |
| 89 | LV43355-001A | CLAMPER2 SPRING | | |
| 90 | LV30225-0J6A | SPACER | | |
| 91 | LV22185-001A | FRONT UNIT (C) | | |
| 92 | VKZ4539-056 | MINI SCREW | | |
| 93 | LVB30012-002A | SW FPC | | |
| 94 | NSW0187-001 | SWITCH | S1 | |
| 95 | NSW0187-001 | SWITCH | S1 | |
| 96 | NSW0187-001 | SWITCH | S1 | |
| 97 | VKZ4539-055 | MINI SCREW | (x2) | |

Electrical parts list

Main board

Block No. [0][1]

| △ Symbol No. | Part No. | Part Name | Description | Local |
|--------------|-----------------|-----------------|-------------|-------------|
| IC31 | LC72725NM-X | IC | | E,EU, EE |
| IC321 | TDA7416 | IC | | |
| IC322 | NJM4565V-X | IC | | |
| IC331 | NJM4565V-X | IC | | |
| IC332 | CD4053BPW-X | IC | | |
| IC350 | BD3433K | IC | | |
| IC371 | TB2904HQ | IC | | |
| IC701 | UPD784218AGC341 | IC(MICRO C ROM) | | |
| IC721 | BR24L32F-W-X | IC(DIGITAL) | | |
| IC731 | S-80833CNNB-G-W | IC | | |
| IC741 | SN74AHCT1G08V-X | IC | | |
| IC742 | SN74AHCT1G08V-X | IC | | |
| IC743 | SN74AHCT1G08V-X | IC | | |
| IC801 | R2S25400DS-E | IC | | |
| IC802 | HA16114FPJ-X | IC | | |
| IC821 | BA33BC0FP-X | IC | | |
| IC822 | BD9781HFP-W | IC | | |
| IC823 | MM1683DF-X | IC | | |
| IC824 | BD9781HFP-W | IC | | |
| IC881 | BA6956AN | IC | | |
| IC921 | MM1508XN-X | IC | | |
| IC931 | MM1228XF-X | IC | | |
| IC932 | MM1509XN-X | IC | | |
| IC933 | MM1511XN-X | IC | | |
| IC941 | SN74AHCT126PW-X | IC(DIGITAL) | | |
| Q1 | RT1N441C-X | TRANSISTOR | | |
| Q101 | 2SD2114K/VW/-X | TRANSISTOR | | |
| Q151 | 2SD2114K/VW/-X | TRANSISTOR | | |
| Q161 | 2SD2114K/VW/-X | TRANSISTOR | | |
| Q201 | 2SD2114K/VW/-X | TRANSISTOR | | |
| Q251 | 2SD2114K/VW/-X | TRANSISTOR | | |
| Q261 | 2SD2114K/VW/-X | TRANSISTOR | | |
| Q341 | 2SD2114K/VW/-X | TRANSISTOR | | |
| Q342 | 2SD2114K/VW/-X | TRANSISTOR | | |
| Q350 | 2SA1530A/QR/-X | TRANSISTOR | | |
| Q351 | 2SA1530A/QR/-X | TRANSISTOR | | |
| Q371 | RT1N441C-X | TRANSISTOR | | |
| Q372 | RT1P441C-X | DIGI TRANSISTOR | | |
| Q373 | RT1N141C-X | DIGI TRANSISTOR | | |
| Q374 | 2SC3928A/QR/-X | TRANSISTOR | | |
| Q701 | RT1N141C-X | DIGI TRANSISTOR | | |
| Q801 | RSQ030P03-W | MOS FET | | |
| Q802 | RT1N141C-X | DIGI TRANSISTOR | | |
| Q811 | RSQ030P03-W | MOS FET | | |
| Q821 | 2SB1132/QR/-W | TRANSISTOR | | |
| Q822 | RT1N141C-X | DIGI TRANSISTOR | | |
| Q825 | 2SA1530A/QR/-X | TRANSISTOR | | |
| Q827 | RT1N141C-X | DIGI TRANSISTOR | | |
| Q841 | RT1P141C-X | DIGI TRANSISTOR | | |
| Q842 | RT1P141C-X | DIGI TRANSISTOR | | |
| Q843 | RT1P141C-X | DIGI TRANSISTOR | | |
| Q844 | RT1P141C-X | DIGI TRANSISTOR | | |
| Q845 | RT1N141C-X | DIGI TRANSISTOR | | |
| Q847 | 2SC3928A/QR/-X | TRANSISTOR | | |
| Q848 | RT1N141C-X | DIGI TRANSISTOR | | |
| Q849 | RT1N141C-X | DIGI TRANSISTOR | | |
| Q861 | RSQ030P03-W | MOS FET | | |
| Q881 | RT1N141C-X | DIGI TRANSISTOR | | |
| Q891 | 2SK3019-X | MOS FET | | |
| Q951 | RT1N141C-X | DIGI TRANSISTOR | | |
| Q952 | 2SA1530A/QR/-X | TRANSISTOR | | |
| Q953 | RT1N441C-X | TRANSISTOR | | |
| D2 | MA111-X | SI DIODE | | |
| D2 | or 1SS355-X | DIODE C.M | | |
| D3 | MA111-X | SI DIODE | | |
| D3 | or 1SS355-X | DIODE C.M | | |
| D4 | CRS03-W | SB DIODE | | |
| D151 | MC2836-X | DIODE | | |
| D251 | MC2836-X | DIODE | | |

| △ Symbol No. | Part No. | Part Name | Description | Local |
|--------------|----------------|-----------|-------------|---------------|
| D301 | MC2836-X | DIODE | | |
| D302 | MA8180/M/-X | Z DIODE | | |
| D311 | MA111-X | SI DIODE | | |
| D311 | or 1SS355-X | DIODE C.M | | |
| D312 | MA111-X | SI DIODE | | |
| D312 | or 1SS355-X | DIODE C.M | | |
| D340 | MA111-X | SI DIODE | | |
| D340 | or 1SS355-X | DIODE C.M | | |
| D342 | MA111-X | SI DIODE | | |
| D342 | or 1SS355-X | DIODE C.M | | |
| D371 | UDZW11B-X | Z DIODE | | |
| D371 | or MA8110/M/-X | Z DIODE | | |
| D372 | MA111-X | SI DIODE | | |
| D372 | or 1SS355-X | DIODE C.M | | |
| D731 | MA111-X | SI DIODE | | |
| D731 | or 1SS355-X | DIODE C.M | | |
| D802 | MA111-X | SI DIODE | | |
| D802 | or 1SS355-X | DIODE C.M | | |
| D803 | CRS03-W | SB DIODE | | |
| D804 | MA111-X | SI DIODE | | |
| D804 | or 1SS355-X | DIODE C.M | | |
| D805 | MA111-X | SI DIODE | | |
| D805 | or 1SS355-X | DIODE C.M | | |
| D811 | RB160M-60-X | SB DIODE | | |
| D821 | RB051L-40-X | SB DIODE | | |
| D822 | RB051L-40-X | SB DIODE | | |
| D825 | MA8180/L/-X | Z DIODE | | |
| D826 | RB051L-40-X | SB DIODE | | |
| D827 | RB051L-40-X | SB DIODE | | |
| D841 | UDZW11B-X | Z DIODE | | |
| D841 | or MA8110/M/-X | Z DIODE | | |
| D842 | MC2836-X | DIODE | | |
| D843 | MA111-X | SI DIODE | | |
| D843 | or 1SS355-X | DIODE C.M | | |
| D844 | MC2836-X | DIODE | | |
| D845 | MA111-X | SI DIODE | | |
| D845 | or 1SS355-X | DIODE C.M | | |
| D846 | MC2836-X | DIODE | | |
| D847 | MA111-X | SI DIODE | | |
| D847 | or 1SS355-X | DIODE C.M | | |
| D849 | CRS03-W | SB DIODE | | |
| D850 | CRS03-W | SB DIODE | | |
| D861 | CRS03-W | SB DIODE | | |
| D871 | UDZW6.2B-X | Z DIODE | | J,E,E U,EE |
| D871 | or MA8062-X | Z DIODE | | J,E,E U,EE |
| D881 | UDZW3.9B-X | Z DIODE | | |
| D901 | 1N5401-F64 | SI DIODE | | |
| D931 | UDZW6.2B-X | Z DIODE | | |
| D931 | or MA8062-X | Z DIODE | | |
| D932 | UDZW6.2B-X | Z DIODE | | |
| D932 | or MA8062-X | Z DIODE | | |
| D961 | UDZW6.2B-X | Z DIODE | | |
| D961 | or MA8062-X | Z DIODE | | |
| D962 | UDZW6.2B-X | Z DIODE | | |
| D962 | or MA8062-X | Z DIODE | | |
| D963 | UDZW6.2B-X | Z DIODE | | |
| D963 | or MA8062-X | Z DIODE | | |
| D964 | UDZW6.2B-X | Z DIODE | | |
| D964 | or MA8062-X | Z DIODE | | |
| D965 | UDZW6.2B-X | Z DIODE | | |
| D965 | or MA8062-X | Z DIODE | | |
| D966 | UDZW6.2B-X | Z DIODE | | |
| D966 | or MA8062-X | Z DIODE | | |
| D967 | UDZW6.2B-X | Z DIODE | | |
| D967 | or MA8062-X | Z DIODE | | |
| D968 | UDZW6.2B-X | Z DIODE | | |
| D968 | or MA8062-X | Z DIODE | | |
| D969 | UDZW6.2B-X | Z DIODE | | |
| D969 | or MA8062-X | Z DIODE | | |
| D970 | CRS03-W | SB DIODE | | |
| D971 | CRS03-W | SB DIODE | | |
| D972 | CRS03-W | SB DIODE | | |
| D973 | UDZW6.2B-X | Z DIODE | | |
| D973 | or MA8062-X | Z DIODE | | |

| △ Symbol No. | Part No. | Part Name | Description | Local |
|--------------|--------------|----------------|---------------|--------------|
| D974 | UDZW6.2B-X | Z DIODE | | |
| D974 | or MA8062-X | Z DIODE | | |
| D975 | UDZW6.2B-X | Z DIODE | | |
| D975 | or MA8062-X | Z DIODE | | |
| D976 | UDZW6.2B-X | Z DIODE | | |
| D976 | or MA8062-X | Z DIODE | | |
| D981 | CRS03-W | SB DIODE | | |
| D982 | CRS03-W | SB DIODE | | J,U,U N,A |
| D983 | CRS03-W | SB DIODE | | J,U,U N,A |
| D984 | CRS03-W | SB DIODE | | |
| D991 | LSQ971/KL/-X | LED | | |
| C1 | NDC31HJ-331X | C CAPACITOR | 330pF 50V J | |
| C2 | NDC31HJ-331X | C CAPACITOR | 330pF 50V J | |
| C3 | QERF1AM-227Z | E CAPACITOR | 220uF 10V M | |
| C4 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C5 | QERF0JM-476Z | E CAPACITOR | 47uF 6.3V M | |
| C6 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7 | NCB31CK-224X | C CAPACITOR | 0.22uF 16V K | |
| C8 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C15 | NDC31HJ-5R0X | C CAPACITOR | 5pF 50V J | |
| C31 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | E,EU, EE |
| C32 | NBE41CM-226X | TA E CAPACITOR | 22uF 16V M | E,EU, EE |
| C33 | NDC31HJ-330X | C CAPACITOR | 33pF 50V J | E,EU, EE |
| C34 | NDC31HJ-330X | C CAPACITOR | 33pF 50V J | E,EU, EE |
| C35 | NDC31HJ-561X | C CAPACITOR | 560pF 50V J | E,EU, EE |
| C36 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | E,EU, EE |
| C37 | NCB10JK-106X | C CAPACITOR | 10uF 6.3V K | E,EU, EE |
| C38 | NDC31HJ-331X | C CAPACITOR | 330pF 50V J | E,EU, EE |
| C106 | QERF1EM-475Z | E CAPACITOR | 4.7uF 25V M | |
| C108 | NDC31HJ-101X | C CAPACITOR | 100pF 50V J | |
| C112 | QERF1EM-475Z | E CAPACITOR | 4.7uF 25V M | |
| C113 | NDC31HJ-821X | C CAPACITOR | 820pF 50V J | |
| C115 | NDC31HJ-101X | C CAPACITOR | 100pF 50V J | |
| C120 | QERF1HM-105Z | E CAPACITOR | 1uF 50V M | |
| C121 | QERF1HM-105Z | E CAPACITOR | 1uF 50V M | |
| C122 | QERF1HM-105Z | E CAPACITOR | 1uF 50V M | |
| C124 | QERF1HM-105Z | E CAPACITOR | 1uF 50V M | |
| C125 | NCB31CK-823X | C CAPACITOR | 0.082uF 16V K | |
| C126 | NCB31CK-823X | C CAPACITOR | 0.082uF 16V K | |
| C127 | NBE41AM-476X | TA E CAPACITOR | 47uF 10V M | |
| C129 | QERF1EM-475Z | E CAPACITOR | 4.7uF 25V M | |
| C151 | QERF1EM-475Z | E CAPACITOR | 4.7uF 25V M | |
| C152 | NDC31HJ-101X | C CAPACITOR | 100pF 50V J | |
| C161 | QERF1EM-475Z | E CAPACITOR | 4.7uF 25V M | |
| C162 | NDC31HJ-101X | C CAPACITOR | 100pF 50V J | |
| C165 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K | |
| C172 | NFV81CM-105X | MF CAPACITOR | 1uF 16V M | |
| C173 | NDC31HJ-101X | C CAPACITOR | 100pF 50V J | |
| C174 | NDC31HJ-101X | C CAPACITOR | 100pF 50V J | |
| C182 | NFV81CM-105X | MF CAPACITOR | 1uF 16V M | |
| C183 | NDC31HJ-101X | C CAPACITOR | 100pF 50V J | |
| C184 | NDC31HJ-101X | C CAPACITOR | 100pF 50V J | |
| C191 | QERF1EM-475Z | E CAPACITOR | 4.7uF 25V M | |
| C192 | QERF1EM-475Z | E CAPACITOR | 4.7uF 25V M | |
| C206 | QERF1EM-475Z | E CAPACITOR | 4.7uF 25V M | |
| C208 | NDC31HJ-101X | C CAPACITOR | 100pF 50V J | |
| C212 | QERF1EM-475Z | E CAPACITOR | 4.7uF 25V M | |
| C213 | NDC31HJ-821X | C CAPACITOR | 820pF 50V J | |
| C215 | NDC31HJ-101X | C CAPACITOR | 100pF 50V J | |
| C220 | QERF1HM-105Z | E CAPACITOR | 1uF 50V M | |
| C221 | QERF1HM-105Z | E CAPACITOR | 1uF 50V M | |
| C222 | QERF1HM-105Z | E CAPACITOR | 1uF 50V M | |
| C224 | QERF1HM-105Z | E CAPACITOR | 1uF 50V M | |
| C225 | NCB31CK-823X | C CAPACITOR | 0.082uF 16V K | |
| C226 | NCB31CK-823X | C CAPACITOR | 0.082uF 16V K | |
| C229 | QERF1EM-475Z | E CAPACITOR | 4.7uF 25V M | |
| C251 | QERF1EM-475Z | E CAPACITOR | 4.7uF 25V M | |
| C252 | NDC31HJ-101X | C CAPACITOR | 100pF 50V J | |

| △ Symbol No. | Part No. | Part Name | Description | Local |
|--------------|-------------------|----------------|---------------|-------|
| C261 | QERF1EM-475Z | E CAPACITOR | 4.7uF 25V M | |
| C262 | NDC31HJ-101X | C CAPACITOR | 100pF 50V J | |
| C265 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K | |
| C272 | NFV81CM-105X | MF CAPACITOR | 1uF 16V M | |
| C273 | NDC31HJ-101X | C CAPACITOR | 100pF 50V J | |
| C274 | NDC31HJ-101X | C CAPACITOR | 100pF 50V J | |
| C282 | NFV81CM-105X | MF CAPACITOR | 1uF 16V M | |
| C283 | NDC31HJ-101X | C CAPACITOR | 100pF 50V J | |
| C284 | NDC31HJ-101X | C CAPACITOR | 100pF 50V J | |
| C291 | QERF1EM-475Z | E CAPACITOR | 4.7uF 25V M | |
| C292 | QERF1EM-475Z | E CAPACITOR | 4.7uF 25V M | |
| C315 | NCB31CK-473X | C CAPACITOR | 0.047uF 16V K | |
| C321 | QERF1AM-107Z | E CAPACITOR | 100uF 10V M | |
| C322 | NCB31CK-473X | C CAPACITOR | 0.047uF 16V K | |
| C323 | QERF1CM-106Z | E CAPACITOR | 10uF 16V M | |
| C324 | QERF1HM-105Z | E CAPACITOR | 1uF 50V M | |
| C325 | NBE21AM-226X | TA E CAPACITOR | 22uF 10V M | |
| C326 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C327 | QERF1CM-226Z | E CAPACITOR | 22uF 16V M | |
| C330 | QERF1EM-475Z | E CAPACITOR | 4.7uF 25V M | |
| C331 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C332 | QERF1CM-226Z | E CAPACITOR | 22uF 16V M | |
| C333 | NCB31CK-823X | C CAPACITOR | 0.082uF 16V K | |
| C334 | NBE41AM-476X | TA E CAPACITOR | 47uF 10V M | |
| C335 | QERF1EM-475Z | E CAPACITOR | 4.7uF 25V M | |
| C336 | NCB31CK-333X | C CAPACITOR | 0.033uF 16V K | |
| C337 | NDC31HJ-221X | C CAPACITOR | 220pF 50V J | |
| C338 | QERF1EM-475Z | E CAPACITOR | 4.7uF 25V M | |
| C339 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C341 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K | |
| C343 | NCB31CK-473X | C CAPACITOR | 0.047uF 16V K | |
| C344 | NDC31HJ-101X | C CAPACITOR | 100pF 50V J | |
| C345 | QERF1EM-475Z | E CAPACITOR | 4.7uF 25V M | |
| C362 | NCB31CK-223X | C CAPACITOR | 0.022uF 16V K | |
| C371 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C372 | QERF1CM-106Z | E CAPACITOR | 10uF 16V M | |
| C373 | QERF1CM-106Z | E CAPACITOR | 10uF 16V M | |
| C374 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C375 | QERF1CM-476Z | E CAPACITOR | 47uF 16V M | |
| C376 | NBE41CM-226X | TA E CAPACITOR | 22uF 16V M | |
| C377 | NCB21AK-225X | C CAPACITOR | 2.2uF 10V K | |
| C378 | QERF1CM-106Z | E CAPACITOR | 10uF 16V M | |
| C391 | QERF1EM-475Z | E CAPACITOR | 4.7uF 25V M | |
| C701 | NCB31CK-473X | C CAPACITOR | 0.047uF 16V K | |
| C703 | NDC31HJ-471X | C CAPACITOR | 470pF 50V J | |
| C704 | NDC31HJ-471X | C CAPACITOR | 470pF 50V J | |
| C705 | NBE21AM-226X | TA E CAPACITOR | 22uF 10V M | |
| C706 | NDC31HJ-8R0X | C CAPACITOR | 8pF 50V J | |
| C707 | NDC31HJ-270X | C CAPACITOR | 27pF 50V J | |
| C708 | NDC31HJ-270X | C CAPACITOR | 27pF 50V J | |
| C709 | NDC31HJ-220X | C CAPACITOR | 22pF 50V J | |
| C710 | QETN0JM-108Z | E CAPACITOR | 1000uF 6.3V M | |
| C711 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C712 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K | |
| C713 | NCB10JK-106X | C CAPACITOR | 10uF 6.3V K | |
| C721 | NDC31HJ-471X | C CAPACITOR | 470pF 50V J | |
| C731 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C732 | NBE21CM-106X | TA E CAPACITOR | 10uF 16V M | |
| C741 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C801 | QERF1CM-106Z | E CAPACITOR | 10uF 16V M | |
| C802 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C803 | QERF1AM-227Z | E CAPACITOR | 220uF 10V M | |
| C804 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C805 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C806 | QERF1AM-227Z | E CAPACITOR | 220uF 10V M | |
| C807 | QERF1CM-226Z | E CAPACITOR | 22uF 16V M | |
| C808 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K | |
| C809 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C811 | NCB21CK-105X | C CAPACITOR | 1uF 16V K | |
| C812 | NCJ11EK-106X-R | C CAPACITOR | 10uF 25V | |
| C812 | or NCJ11EK-106X-A | C CAPACITOR | 10uF 25V K | |
| C813 | NDC31HJ-561X | C CAPACITOR | 560pF 50V J | |
| C814 | NCB10JK-106X | C CAPACITOR | 10uF 6.3V K | |
| C815 | QEZ0828-337Z | E CAPACITOR | 330uF | |
| C816 | NCB31AK-474X | C CAPACITOR | 0.47uF 10V K | |
| C817 | NDC31HJ-471X | C CAPACITOR | 470pF 50V J | |
| C818 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C819 | QEDS1CM-337 | E CAPACITOR | 330uF 16V M | |

| △ Symbol No. | Part No. | Part Name | Description | Local | △ Symbol No. | Part No. | Part Name | Description | Local |
|--------------|-------------------|----------------|---------------|--------------|--------------|-------------------|-------------|---------------|------------------------|
| C820 | QERF1CM-226Z | E CAPACITOR | 22uF 16V M | | C8814 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C821 | NBE21CM-106X | TA E CAPACITOR | 10uF 16V M | | C8815 | NCB11EK-105X | C CAPACITOR | 1uF 25V K | |
| C822 | NBE21CM-106X | TA E CAPACITOR | 10uF 16V M | | C8816 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K | |
| C823 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | | C8818 | NCJ11EK-106X-R | C CAPACITOR | 10uF 25V | |
| C824 | NCB31HK-472X | C CAPACITOR | 4700pF 50V K | | C8818 | or NCJ11EK-106X-A | C CAPACITOR | 10uF 25V K | |
| C825 | NCB31HK-182X | C CAPACITOR | 1800pF 50V K | | C8819 | NCJ11EK-106X-R | C CAPACITOR | 10uF 25V | |
| C826 | NBE41CM-226X | TA E CAPACITOR | 22uF 16V M | | C8819 | or NCJ11EK-106X-A | C CAPACITOR | 10uF 25V K | |
| C827 | QEZ0828-337Z | E CAPACITOR | 330uF | | C9901 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C830 | NCB31CK-105X | C CAPACITOR | 1uF 16V K | | C9902 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C831 | NBE41AM-476X | TA E CAPACITOR | 47uF 10V M | | C9903 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C832 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | | C9904 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C833 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | | C9905 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C834 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | | C9907 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C835 | NCJ11EK-106X-R | C CAPACITOR | 10uF 25V | | C9908 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C835 | or NCJ11EK-106X-A | C CAPACITOR | 10uF 25V K | | R1 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| C836 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | | R2 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| C837 | QEZ0828-337Z | E CAPACITOR | 330uF | | R3 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J | |
| C838 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | | R4 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| C839 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | | R5 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J | |
| C841 | QERF1CM-476Z | E CAPACITOR | 47uF 16V M | | R6 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J | |
| C842 | QERF0JM-476Z | E CAPACITOR | 47uF 6.3V M | | R7 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J | |
| C843 | QERF0JM-476Z | E CAPACITOR | 47uF 6.3V M | | R35 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | E,EU, EE |
| C844 | QERF0JM-476Z | E CAPACITOR | 47uF 6.3V M | | R36 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | E,EU, EE |
| C845 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | | R37 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | E,EU, EE |
| C847 | QERF1CM-226Z | E CAPACITOR | 22uF 16V M | | R40 | NRSA63J-6R8X | MG RESISTOR | 6.8Ω 1/16W J | |
| C848 | QERF1CM-106Z | E CAPACITOR | 10uF 16V M | | R41 | NRSA63J-6R8X | MG RESISTOR | 6.8Ω 1/16W J | |
| C849 | QERF1CM-106Z | E CAPACITOR | 10uF 16V M | | R107 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| C851 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | | R108 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| C861 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | | R109 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| C863 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | | R110 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | |
| C865 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | | R111 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| C866 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | | R113 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | J |
| C881 | QERF1AM-107Z | E CAPACITOR | 100uF 10V M | | R115 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | E,EU, EE,U, UN,A |
| C882 | NCB31CK-473X | C CAPACITOR | 0.047uF 16V K | | R116 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | |
| C901 | QEZ0723-338 | E CAPACITOR | 3300uF | | R121 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| C902 | QERF1HM-225Z | E CAPACITOR | 2.2uF 50V M | | R122 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| C921 | NCB31CK-823X | C CAPACITOR | 0.082uF 16V K | | R123 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J | |
| C924 | QERF0JM-337Z | E CAPACITOR | 330uF 6.3V M | | R124 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| C925 | NCB31CK-823X | C CAPACITOR | 0.082uF 16V K | | R126 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| C931 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | | R130 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| C932 | NCB31CK-473X | C CAPACITOR | 0.047uF 16V K | | R140 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| C933 | QERF1AM-227Z | E CAPACITOR | 220uF 10V M | | R151 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| C934 | QERF0JM-337Z | E CAPACITOR | 330uF 6.3V M | | R152 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| C935 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | | R153 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| C941 | NDC31HJ-220X | C CAPACITOR | 22pF 50V J | | R154 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | |
| C942 | NCB31CK-473X | C CAPACITOR | 0.047uF 16V K | | R161 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| C943 | NDC31HJ-220X | C CAPACITOR | 22pF 50V J | | R162 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| C951 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | | R163 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| C961 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | | R164 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | |
| C964 | NBE41CM-226X | TA E CAPACITOR | 22uF 16V M | | R165 | NRSA63J-151X | MG RESISTOR | 150Ω 1/16W J | |
| C965 | NBE41CM-226X | TA E CAPACITOR | 22uF 16V M | | R171 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| C966 | QERF1CM-476Z | E CAPACITOR | 47uF 16V M | | R173 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| C967 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | | R181 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| C973 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K | | R183 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| C974 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K | | R191 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J | |
| C981 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | J,U,U N,A | R192 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J | |
| C982 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | | R193 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J | |
| C3350 | QERF1CM-106Z | E CAPACITOR | 10uF 16V M | | R194 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J | |
| C3351 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | | R207 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| C3352 | QERF1CM-106Z | E CAPACITOR | 10uF 16V M | | R208 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| C3353 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | | R209 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| C3354 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | | R210 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | |
| C3355 | QERF1CM-106Z | E CAPACITOR | 10uF 16V M | | R211 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| C3356 | NCB31CK-473X | C CAPACITOR | 0.047uF 16V K | | R213 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | J |
| C8800 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | | R215 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | E,EU, EE,U, UN,A |
| C8801 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K | | R216 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | |
| C8803 | NCB11EK-105X | C CAPACITOR | 1uF 25V K | | R223 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J | |
| C8804 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | | R224 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| C8805 | NDC31HJ-101X | C CAPACITOR | 100pF 50V J | | R226 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| C8807 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | | | | | | |
| C8808 | NCJ11EK-106X-R | C CAPACITOR | 10uF 25V | | | | | | |
| C8808 | or NCJ11EK-106X-A | C CAPACITOR | 10uF 25V K | | | | | | |
| C8810 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | | | | | | |
| C8811 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | | | | | | |
| C8812 | NCJ11EK-106X-R | C CAPACITOR | 10uF 25V | | | | | | |
| C8812 | or NCJ11EK-106X-A | C CAPACITOR | 10uF 25V K | | | | | | |
| C8813 | NCB31CK-472X | C CAPACITOR | 4700pF 16V K | | | | | | |

| △ Symbol No. | Part No. | Part Name | Description | Local | △ Symbol No. | Part No. | Part Name | Description | Local |
|--------------|--------------|-------------|---------------|-------|--------------|--------------|-------------|---------------|------------------------|
| R230 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | | R715 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R240 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | | R716 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |
| R251 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | | R717 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |
| R252 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | | R718 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R253 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | | R719 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R254 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | | R720 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R261 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | | R722 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R262 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | | R725 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R263 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | | R726 | NRSA63J-392X | MG RESISTOR | 3.9kΩ 1/16W J | |
| R264 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | | R727 | NRSA63J-392X | MG RESISTOR | 3.9kΩ 1/16W J | |
| R265 | NRSA63J-151X | MG RESISTOR | 150Ω 1/16W J | | R728 | NRSA63J-392X | MG RESISTOR | 3.9kΩ 1/16W J | |
| R271 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | | R729 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |
| R273 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | | R730 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |
| R281 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | | R731 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |
| R283 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | | R732 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R291 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J | | R733 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R292 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J | | R734 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R293 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J | | R735 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R294 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J | | R736 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R311 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | | R737 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R312 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | | R738 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R315 | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J | | R739 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R316 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J | | R740 | NRSA63J-271X | MG RESISTOR | 270Ω 1/16W J | |
| R317 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J | | R741 | NRSA63J-271X | MG RESISTOR | 270Ω 1/16W J | |
| R320 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | | R742 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R321 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | | R743 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | E,EU, EE,U, UN,A |
| R322 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | | R744 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R323 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | | R745 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | J |
| R324 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | | R746 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R325 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J | | R747 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R326 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | | R748 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R327 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | | R749 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | |
| R328 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | | R751 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | |
| R329 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | | R752 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | |
| R332 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | | R753 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | |
| R333 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | | R754 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | |
| R334 | NRSA63J-683X | MG RESISTOR | 68kΩ 1/16W J | | R755 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | |
| R335 | NRSA63J-273X | MG RESISTOR | 27kΩ 1/16W J | | R756 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R336 | NRSA63J-683X | MG RESISTOR | 68kΩ 1/16W J | | R757 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R337 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J | | R758 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R338 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J | | R759 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R339 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | | R760 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R340 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | | R761 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R341 | NRSA63J-821X | MG RESISTOR | 820Ω 1/16W J | | R762 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R342 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | | R763 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R343 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | | R764 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R344 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | | R765 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R345 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | | R766 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R346 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | | R767 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R347 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | | R768 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J | |
| R348 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J | | R769 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R349 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J | | R770 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R350 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J | | R771 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | |
| R351 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J | | R772 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | |
| R352 | NRSA63J-683X | MG RESISTOR | 68kΩ 1/16W J | | R773 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | |
| R353 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | | R774 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R370 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | | R775 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R372 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | | R776 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R373 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | | R777 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R374 | NRSA63J-100X | MG RESISTOR | 10Ω 1/16W J | | R778 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R375 | NRSA63J-273X | MG RESISTOR | 27kΩ 1/16W J | | R779 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R376 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | | R782 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | |
| R377 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | | R783 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |
| R380 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J | | R784 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |
| R381 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J | | R789 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R391 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J | | R790 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R701 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | | R791 | NRSA63J-822X | MG RESISTOR | 8.2kΩ 1/16W J | |
| R702 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | | R792 | NRSA63J-822X | MG RESISTOR | 8.2kΩ 1/16W J | |
| R704 | NRSA63J-821X | MG RESISTOR | 820Ω 1/16W J | | R793 | NRSA63J-822X | MG RESISTOR | 8.2kΩ 1/16W J | |
| R705 | NRSA63J-106X | MG RESISTOR | 10MΩ 1/16W J | | R794 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J | |
| R706 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | | R795 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R707 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | | R796 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | |
| R708 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J | | R797 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | |
| R709 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J | | R804 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R710 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | | R805 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R711 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | | R811 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J | |
| R712 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | | | | | | |
| R714 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | | | | | | |

| △ Symbol No. | Part No. | Part Name | Description | Local | △ Symbol No. | Part No. | Part Name | Description | Local |
|--------------|--------------|-------------|---------------|--------------------------------|--------------|--------------|---------------|---------------|--------------|
| R812 | NRSA63J-272X | MG RESISTOR | 2.7kΩ 1/16W J | | R946 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J | |
| R813 | NRSA63J-272X | MG RESISTOR | 2.7kΩ 1/16W J | | R947 | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J | |
| R814 | NRSA63J-153X | MG RESISTOR | 15kΩ 1/16W J | | R948 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J | |
| R815 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | | R949 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R816 | NRSA63J-124X | MG RESISTOR | 120kΩ 1/16W J | | R951 | NRSA63J-392X | MG RESISTOR | 3.9kΩ 1/16W J | |
| R817 | NRSA63J-5R6X | MG RESISTOR | 5.6Ω 1/16W J | | R952 | NRSA63J-392X | MG RESISTOR | 3.9kΩ 1/16W J | |
| R818 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J | | R953 | NRSA63J-392X | MG RESISTOR | 3.9kΩ 1/16W J | |
| R819 | NRSA63J-182X | MG RESISTOR | 1.8kΩ 1/16W J | | R954 | NRSA63J-392X | MG RESISTOR | 3.9kΩ 1/16W J | |
| R820 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | | R955 | NRSA63J-183X | MG RESISTOR | 18kΩ 1/16W J | |
| R821 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | | R956 | NRSA63J-563X | MG RESISTOR | 56kΩ 1/16W J | |
| R822 | NRSA63F-104X | MG RESISTOR | 100kΩ 1/16W F | | R959 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R823 | NRSA63J-124X | MG RESISTOR | 120kΩ 1/16W J | | R960 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R824 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J | | R961 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J | |
| R826 | NRSA63J-513X | MG RESISTOR | 51kΩ 1/16W J | | R962 | NRSA63D-181X | MG RESISTOR | 180Ω 1/16W D | |
| R827 | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J | | R963 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R828 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J | | R964 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R829 | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J | | R965 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R830 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | | R966 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R833 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J | | R968 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J | |
| R834 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J | | R970 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J | |
| R835 | NRSA63J-184X | MG RESISTOR | 180kΩ 1/16W J | | R972 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R836 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | | R973 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R837 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | | R974 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R839 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | | R975 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R841 | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J | | R976 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R842 | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J | | R981 | NRS181J-222X | MG RESISTOR | 2.2kΩ 1/8W J | |
| R843 | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J | | R982 | NRS181J-222X | MG RESISTOR | 2.2kΩ 1/8W J | |
| R844 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | | R983 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | J,U,U N,A |
| R845 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | | R992 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R847 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | | R993 | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J | |
| R848 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | | R3351 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R849 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | | R3352 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R850 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | | R3353 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R851 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | | R3354 | NRSA63J-822X | MG RESISTOR | 8.2kΩ 1/16W J | |
| R852 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | | R3355 | NRSA63J-681X | MG RESISTOR | 680Ω 1/16W J | |
| R853 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | | R3356 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | |
| R855 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | | R3357 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | |
| R856 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | | R3358 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | |
| R857 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | | R3359 | NRSA63J-393X | MG RESISTOR | 39kΩ 1/16W J | |
| R858 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | | R3371 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R859 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J | | R7001 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | J |
| R861 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | | R7001 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J | E,EU |
| R863 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | | R7001 | NRSA63J-273X | MG RESISTOR | 27kΩ 1/16W J | EE |
| R871 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | J,E,E U,EE J,E,E U,EE | R7001 | NRSA63J-393X | MG RESISTOR | 39kΩ 1/16W J | U,UN, A |
| R872 | NRSA63J-271X | MG RESISTOR | 270Ω 1/16W J | | R7003 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J | J |
| R881 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | | R7003 | NRSA63J-153X | MG RESISTOR | 15kΩ 1/16W J | E,EU |
| R884 | NRSA63J-124X | MG RESISTOR | 120kΩ 1/16W J | | R7003 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J | EE |
| R885 | NRSA63J-124X | MG RESISTOR | 120kΩ 1/16W J | | R7003 | NRSA63J-822X | MG RESISTOR | 8.2kΩ 1/16W J | U,UN, A |
| R888 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | | R7701 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | E,EU, EE |
| R889 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | | R7702 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | J,U,U N,A |
| R892 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J | | R7703 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R893 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | | R7710 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R894 | NRSA63J-393X | MG RESISTOR | 39kΩ 1/16W J | | R8001 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| R895 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | | R8002 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J | |
| R897 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J | | R8004 | NRZ0046-R22X | MG RESISTOR | 0.22Ω | |
| R898 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J | | R8005 | NRZ0046-R22X | MG RESISTOR | 0.22Ω | |
| R901 | NRS181J-102X | MG RESISTOR | 1kΩ 1/8W J | | R8006 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| R902 | NRSA63J-912X | MG RESISTOR | 9.1kΩ 1/16W J | | R8007 | NRSA63J-272X | MG RESISTOR | 2.7kΩ 1/16W J | |
| R903 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | | R8008 | NRSA63J-821X | MG RESISTOR | 820Ω 1/16W J | |
| R921 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | | R8009 | NRSA63J-272X | MG RESISTOR | 2.7kΩ 1/16W J | |
| R925 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | | R8012 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R926 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J | | R9921 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R927 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | | R9922 | NRSA63D-181X | MG RESISTOR | 180Ω 1/16W D | |
| R929 | NRSA63J-105X | MG RESISTOR | 1MΩ 1/16W J | | R9923 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J | |
| R932 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J | | R9924 | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J | |
| R934 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | | R9927 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R935 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | | RA721 | NRZ0065-222X | NET RESISTOR | 2.2kΩ | |
| R936 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J | | L1 | NQL334J-4R7X | COIL | 4.7uH J | |
| R937 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | | L101 | NQR0022-005X | FERRITE BEADS | | |
| R938 | NRSA63J-105X | MG RESISTOR | 1MΩ 1/16W J | | L201 | NQR0022-005X | FERRITE BEADS | | |
| R940 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | | L701 | NQL79GM-470X | COIL | 47uH M | |
| R941 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | | L702 | NQL79GM-100X | COIL | 10uH M | |
| R942 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | | | | | | |
| R943 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J | | | | | | |
| R944 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J | | | | | | |
| R945 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | | | | | | |

| △ Symbol No. | Part No. | Part Name | Description | Local |
|--------------|---------------|---------------|----------------|---------------|
| L811 | NQLD7EM-220X | COIL | 22uH M | |
| L822 | NQLD7EM-220X | COIL | 22uH M | |
| L824 | NQL79GM-220X | COIL | 22uH M | |
| L825 | NQL79GM-220X | COIL | 22uH M | |
| L826 | NQL79GM-220X | COIL | 22uH M | |
| L827 | NQL79GM-220X | COIL | 22uH M | |
| L828 | NQL79GM-220X | COIL | 22uH M | |
| L835 | NQLD7EM-220X | COIL | 22uH M | |
| L841 | NQL79GM-100X | COIL | 10uH M | |
| L842 | NQL79GM-100X | COIL | 10uH M | |
| L921 | NQL382M-470X | COIL | 47uH M | |
| L931 | NQL382M-470X | COIL | 47uH M | |
| L961 | NQLD7EM-220X | COIL | 22uH M | |
| L962 | NQL79GM-4R7X | COIL | 4.7uH M | |
| BZ951 | QAN0023-001Z | BUZZER | | |
| CN301 | QGA2501C3-04Z | CONNECTOR | W-B (1-4) | |
| CN311 | QGA2501C1-06 | CONNECTOR | W-B (1-6) | |
| CN361 | QGA2501C1-07 | CONNECTOR | W-B (1-7) | |
| CN860 | QNZ0095-001 | CONNECTOR | | |
| CN861 | QGA2001C1-02 | CONNECTOR | W-B (1-2) | |
| CN871 | QGA2501C1-02 | CONNECTOR | W-B (1-2) | J,E,E U,EE |
| CN881 | QGA2501C1-02 | CONNECTOR | W-B (1-2) | |
| CN891 | QGA2001C1-04 | CONNECTOR | W-B (1-4) | |
| CN901 | QNZ0607-001 | CAR CONNECTOR | | |
| CN931 | QGA2501C3-04Z | CONNECTOR | W-B (1-4) | |
| CN961 | QGB2027M5-20S | CONNECTOR | B-B (1-20) | |
| CN962 | QGF1041C4-24W | CONNECTOR | FFC/FPC (1-24) | |
| CN963 | QGB2027M5-20S | CONNECTOR | B-B (1-20) | |
| K871 | NQR0022-005X | FERRITE BEADS | | J,E,E U,EE |
| PP1 | QZW0010-001 | STYLE PIN | | |
| PP2 | QZW0010-001 | STYLE PIN | | |
| PP3 | QZW0010-001 | STYLE PIN | | |
| PP5 | QZW0010-001 | STYLE PIN | | |
| PP6 | QZW0010-001 | STYLE PIN | | |
| PP7 | QZW0010-001 | STYLE PIN | | |
| TH721 | NAD0028-103X | N THERMISTOR | 10kΩ | |
| TU1 | QAU0451-002 | TUNER | | |
| W1 | QAM0556-001 | ANT CABLE | | E,EU, EE |
| X31 | QAX0263-001Z | CRYSTAL | 4.332MHz | |
| X701 | QAX0617-001Z | CRYSTAL | 12.500MHz | |
| X702 | QAX0401-001 | CRYSTAL | 32.768KHz | |

Connection control board

Block No. [0][2]

| △ Symbol No. | Part No. | Part Name | Description | Local |
|--------------|----------------|-------------|--------------|-------|
| IC901 | AK4385ET-X | IC | | |
| IC902 | AK4385ET-X | IC | | |
| IC903 | AK4385ET-X | IC | | |
| IC904 | NJM4565V-X | IC | | |
| IC905 | NJM4565V-X | IC | | |
| IC906 | NJM4565V-X | IC | | |
| IC907 | SN74HCT32APW-X | IC | | |
| IC908 | SN74LVC32APW-X | IC | | |
| C9005 | NDC31HJ-331X | C CAPACITOR | 330pF 50V J | |
| C9012 | NCB10JK-106X | C CAPACITOR | 10uF 6.3V K | |
| C9014 | NCB10JK-106X | C CAPACITOR | 10uF 6.3V K | |
| C9016 | NCB10JK-106X | C CAPACITOR | 10uF 6.3V K | |
| C9020 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C9021 | NCB31HK-182X | C CAPACITOR | 1800pF 50V K | |
| C9022 | NCB31HK-182X | C CAPACITOR | 1800pF 50V K | |
| C9023 | NCB31HK-332X | C CAPACITOR | 3300pF 50V K | |
| C9024 | NCB31HK-332X | C CAPACITOR | 3300pF 50V K | |
| C9025 | NCB31HK-332X | C CAPACITOR | 3300pF 50V K | |
| C9026 | NCB31HK-332X | C CAPACITOR | 3300pF 50V K | |
| C9027 | NDC31HJ-271X | C CAPACITOR | 270pF 50V J | |
| C9028 | NDC31HJ-271X | C CAPACITOR | 270pF 50V J | |
| C9029 | NDC31HJ-471X | C CAPACITOR | 470pF 50V J | |
| C9030 | NDC31HJ-471X | C CAPACITOR | 470pF 50V J | |

| △ Symbol No. | Part No. | Part Name | Description | Local |
|--------------|--------------|-------------|---------------|-------|
| C9031 | NDC31HJ-471X | C CAPACITOR | 470pF 50V J | |
| C9032 | NDC31HJ-471X | C CAPACITOR | 470pF 50V J | |
| C9033 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C9034 | NDC31HJ-271X | C CAPACITOR | 270pF 50V J | |
| C9035 | NDC31HJ-471X | C CAPACITOR | 470pF 50V J | |
| C9036 | NDC31HJ-471X | C CAPACITOR | 470pF 50V J | |
| C9037 | NDC31HJ-271X | C CAPACITOR | 270pF 50V J | |
| C9038 | NDC31HJ-471X | C CAPACITOR | 470pF 50V J | |
| C9039 | NDC31HJ-471X | C CAPACITOR | 470pF 50V J | |
| C9043 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C9044 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C9045 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C9046 | NCB20JK-106X | C CAPACITOR | 10uF 6.3V K | |
| C9047 | NCB20JK-106X | C CAPACITOR | 10uF 6.3V K | |
| C9048 | NCB20JK-106X | C CAPACITOR | 10uF 6.3V K | |
| C9049 | NCB20JK-106X | C CAPACITOR | 10uF 6.3V K | |
| C9050 | NCB20JK-106X | C CAPACITOR | 10uF 6.3V K | |
| C9051 | NCB20JK-106X | C CAPACITOR | 10uF 6.3V K | |
| R9001 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R9002 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R9005 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R9006 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R9018 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |
| R9019 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |
| R9020 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |
| R9021 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |
| R9022 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |
| R9023 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |
| R9024 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |
| R9025 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |
| R9026 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |
| R9027 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |
| R9028 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |
| R9029 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |
| R9030 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J | |
| R9031 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J | |
| R9032 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J | |
| R9033 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J | |
| R9034 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J | |
| R9035 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J | |
| R9036 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R9037 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |
| R9038 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |
| R9039 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |
| R9040 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |
| R9041 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |
| R9042 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |
| R9043 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R9044 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R9045 | NRSA63J-201X | MG RESISTOR | 200Ω 1/16W J | |
| R9046 | NRSA63J-201X | MG RESISTOR | 200Ω 1/16W J | |
| R9047 | NRSA63J-201X | MG RESISTOR | 200Ω 1/16W J | |
| R9048 | NRSA63J-201X | MG RESISTOR | 200Ω 1/16W J | |
| R9049 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R9050 | NRSA63J-201X | MG RESISTOR | 200Ω 1/16W J | |
| R9051 | NRSA63J-201X | MG RESISTOR | 200Ω 1/16W J | |
| R9052 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |
| R9053 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J | |
| R9054 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |
| R9055 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J | |
| R9056 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |
| R9057 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J | |
| R9058 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R9059 | NRSA63J-201X | MG RESISTOR | 200Ω 1/16W J | |
| R9060 | NRSA63J-201X | MG RESISTOR | 200Ω 1/16W J | |
| R9061 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J | |
| R9062 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |
| R9063 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J | |
| R9064 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |
| R9065 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J | |
| R9066 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |
| R9067 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R9068 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R9069 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R9070 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J | |
| R9071 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J | |
| R9072 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |

| △ Symbol No. | Part No. | Part Name | Description | Local |
|--------------|---------------|---------------|----------------|-------|
| R9073 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R9074 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J | |
| R9075 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J | |
| R9076 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R9077 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R9078 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J | |
| R9079 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J | |
| R9080 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R9081 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R9082 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R9083 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R9084 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R9085 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R9086 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R9089 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R9090 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| L9001 | NQR0022-005X | FERRITE BEADS | | |
| L9002 | NQR0022-005X | FERRITE BEADS | | |
| L9003 | NQR0022-005X | FERRITE BEADS | | |
| CN965 | QGF0534F3-60X | CONNECTOR | FFC/FPC (1-60) | |
| CN966 | QGB2027LB-20X | CONNECTOR | B-B (1-20) | |
| CN968 | QGB2027LB-20X | CONNECTOR | B-B (1-20) | |

Panel A control board

Block No. [0][3]

| △ Symbol No. | Part No. | Part Name | Description | Local |
|--------------|-----------------|-----------------|-------------|-------|
| IC471 | PVI-1004D | IC | | |
| IC472 | NJM2107F-X | IC | | |
| IC473 | NJU7109F3-X | IC | | |
| IC474 | MM1108XF-X | IC | | |
| IC501 | S-80824CNNB-G-W | IC | | |
| IC511 | MN103SB9NEJ | IC | | |
| IC581 | SA16M90TFIR12E | IC(PROGRAMED) | | |
| IC585 | RS-771-X | RM.RECEIVER | | |
| IC601 | MB87P2040PMT | IC(DIGITAL) | | |
| IC651 | RB5P0090M | IC | | |
| IC652 | MB90097PFV001EX | IC | | |
| IC661 | NJM2871BF25-X | IC | | |
| Q401 | 2SA1530A/QR/-X | TRANSISTOR | | |
| Q402 | 2SA1530A/QR/-X | TRANSISTOR | | |
| Q403 | RT1N141C-X | DIGI TRANSISTOR | | |
| Q404 | RT1N141C-X | DIGI TRANSISTOR | | |
| Q405 | 2SC3928A/QR/-X | TRANSISTOR | | |
| Q406 | RT1N141C-X | DIGI TRANSISTOR | | |
| Q407 | RT1P141C-X | DIGI TRANSISTOR | | |
| Q408 | RT1P141C-X | DIGI TRANSISTOR | | |
| Q409 | RT1P141C-X | DIGI TRANSISTOR | | |
| Q451 | 2SA1530A/QR/-X | TRANSISTOR | | |
| Q452 | 2SA1530A/QR/-X | TRANSISTOR | | |
| Q453 | 2SA1530A/QR/-X | TRANSISTOR | | |
| Q501 | 2SC3928A/QR/-X | TRANSISTOR | | |
| Q655 | 2SC4097/R/-X | TRANSISTOR | | |
| Q660 | RT1N141C-X | DIGI TRANSISTOR | | |
| Q6601 | 2SA1530A/QR/-X | TRANSISTOR | | |
| Q6602 | 2SC3928A/QR/-X | TRANSISTOR | | |
| Q6603 | 2SA1530A/QR/-X | TRANSISTOR | | |
| D401 | SML310BA1T/HJ-X | LED | | |
| D402 | SML310BA1T/HJ-X | LED | | |
| D403 | SML310BA1T/HJ-X | LED | | |
| D404 | NECBB205/WPQR/X | LED | | |
| D405 | NECBB205/WPQR/X | LED | | |
| D406 | NECBB205/WPQR/X | LED | | |
| D407 | NECBB205/WPQR/X | LED | | |
| D408 | NECBB205/WPQR/X | LED | | |
| D409 | NECBB205/WPQR/X | LED | | |
| D410 | SML310BA1T/HJ-X | LED | | |
| D411 | SML310BA1T/HJ-X | LED | | |
| D412 | SML310BA1T/HJ-X | LED | | |

| △ Symbol No. | Part No. | Part Name | Description | Local |
|--------------|-------------------|----------------|---------------|-------|
| D413 | NECBB205/WPQR/X | LED | | |
| D414 | LSQ971/KL/-X | LED | | |
| D415 | MC2838-X | DIODE | | |
| D416 | NECBB205/WPQR/X | LED | | |
| D471 | MA357-X | VARI CAP DIODE | | |
| D501 | MA111-X | SI DIODE | | |
| D501 | or 1SS355-X | DIODE C.M | | |
| D502 | MC2836-X | DIODE | | |
| D561 | MA8120/M/-X | Z DIODE | | |
| C401 | NCB10JK-106X | C CAPACITOR | 10uF 6.3V K | |
| C402 | NCB10JK-106X | C CAPACITOR | 10uF 6.3V K | |
| C403 | NCB10JK-106X | C CAPACITOR | 10uF 6.3V K | |
| C404 | NCJ11EK-106X-R | C CAPACITOR | 10uF 25V | |
| C404 | or NCJ11EK-106X-A | C CAPACITOR | 10uF 25V K | |
| C405 | NCJ11EK-106X-R | C CAPACITOR | 10uF 25V | |
| C405 | or NCJ11EK-106X-A | C CAPACITOR | 10uF 25V K | |
| C406 | NCJ11EK-106X-R | C CAPACITOR | 10uF 25V | |
| C406 | or NCJ11EK-106X-A | C CAPACITOR | 10uF 25V K | |
| C410 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C411 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C412 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C413 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C414 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C415 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C416 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C417 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C418 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C419 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C471 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C472 | NDC31HJ-681X | C CAPACITOR | 680pF 50V J | |
| C473 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C474 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C475 | NDU31HJ-470X | C CAPACITOR | 47pF 50V J | |
| C476 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C477 | NDU31HJ-330X | C CAPACITOR | 33pF 50V J | |
| C478 | NDC31HJ-561X | C CAPACITOR | 560pF 50V J | |
| C479 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C480 | NDC31HG-101X | C CAPACITOR | 100pF 50V G | |
| C481 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C482 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C483 | NCB30JK-105X | C CAPACITOR | 1uF 6.3V K | |
| C484 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C485 | NBE41AM-476X | TA E CAPACITOR | 47uF 10V M | |
| C486 | NCB30JK-105X | C CAPACITOR | 1uF 6.3V K | |
| C493 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C501 | NCB31CK-473X | C CAPACITOR | 0.047uF 16V K | |
| C502 | NBE21AM-106X | TA E CAPACITOR | 10uF 10V M | |
| C503 | NCB31CK-473X | C CAPACITOR | 0.047uF 16V K | |
| C504 | NBE20JM-475X | TA E CAPACITOR | 4.7uF 6.3V M | |
| C505 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C506 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C507 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C508 | NCB30JK-105X | C CAPACITOR | 1uF 6.3V K | |
| C509 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C510 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C511 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C512 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C561 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C581 | NDC31HJ-471X | C CAPACITOR | 470pF 50V J | |
| C582 | NCB31CK-473X | C CAPACITOR | 0.047uF 16V K | |
| C583 | NBE21AM-106X | TA E CAPACITOR | 10uF 10V M | |
| C586 | NBE21AM-475X | TA E CAPACITOR | 4.7uF 10V M | |
| C601 | NDC31HJ-101X | C CAPACITOR | 100pF 50V J | |
| C602 | NDC31HJ-101X | C CAPACITOR | 100pF 50V J | |
| C603 | NCB30JK-105X | C CAPACITOR | 1uF 6.3V K | |
| C604 | NCB30JK-105X | C CAPACITOR | 1uF 6.3V K | |
| C605 | NBE21AM-226X | TA E CAPACITOR | 22uF 10V M | |
| C607 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C608 | NDC31HJ-101X | C CAPACITOR | 100pF 50V J | |
| C609 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C611 | NDC31HJ-220X | C CAPACITOR | 22pF 50V J | |
| C612 | NDC31HJ-220X | C CAPACITOR | 22pF 50V J | |
| C613 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C614 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C615 | NDC31HJ-101X | C CAPACITOR | 100pF 50V J | |
| C616 | NBE21AM-106X | TA E CAPACITOR | 10uF 10V M | |
| C617 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |

| △ Symbol No. | Part No. | Part Name | Description | Local | △ Symbol No. | Part No. | Part Name | Description | Local |
|--------------|-------------------|----------------|---------------|-------|--------------|--------------|-------------|---------------|-------|
| C618 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | | R407 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| C619 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | | R409 | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J | |
| C620 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | | R410 | NRSA63J-561X | MG RESISTOR | 560Ω 1/16W J | |
| C621 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | | R414 | NRSA63J-821X | MG RESISTOR | 820Ω 1/16W J | |
| C622 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | | R415 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| C623 | NCB20JK-106X | C CAPACITOR | 10uF 6.3V K | | R416 | NRSA63J-122X | MG RESISTOR | 1.2kΩ 1/16W J | |
| C624 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | | R417 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| C625 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | | R419 | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J | |
| C626 | NCB20JK-106X | C CAPACITOR | 10uF 6.3V K | | R420 | NRSA63J-561X | MG RESISTOR | 560Ω 1/16W J | |
| C627 | NCB30JK-105X | C CAPACITOR | 1uF 6.3V K | | R421 | NRSA63J-122X | MG RESISTOR | 1.2kΩ 1/16W J | |
| C628 | NDC31HJ-101X | C CAPACITOR | 100pF 50V J | | R422 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| C629 | NCB30JK-105X | C CAPACITOR | 1uF 6.3V K | | R424 | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J | |
| C630 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | | R425 | NRSA63J-561X | MG RESISTOR | 560Ω 1/16W J | |
| C631 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | | R429 | NRSA63J-152X | MG RESISTOR | 1.5kΩ 1/16W J | |
| C632 | NCB30JK-105X | C CAPACITOR | 1uF 6.3V K | | R431 | NRSA63J-122X | MG RESISTOR | 1.2kΩ 1/16W J | |
| C633 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | | R432 | NRSA63J-122X | MG RESISTOR | 1.2kΩ 1/16W J | |
| C634 | NDC31HJ-101X | C CAPACITOR | 100pF 50V J | | R433 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| C635 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | | R434 | NRSA63J-152X | MG RESISTOR | 1.5kΩ 1/16W J | |
| C636 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | | R436 | NRSA63J-122X | MG RESISTOR | 1.2kΩ 1/16W J | |
| C637 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | | R437 | NRSA63J-122X | MG RESISTOR | 1.2kΩ 1/16W J | |
| C638 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | | R438 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| C639 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | | R439 | NRSA63J-561X | MG RESISTOR | 560Ω 1/16W J | |
| C651 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | | R444 | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J | |
| C652 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | | R445 | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J | |
| C653 | NCB31HK-682X | C CAPACITOR | 6800pF 50V K | | R446 | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J | |
| C654 | NCB30JK-105X | C CAPACITOR | 1uF 6.3V K | | R447 | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J | |
| C655 | NDC31HJ-821X | C CAPACITOR | 820pF 50V J | | R448 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J | |
| C656 | NCB30JK-105X | C CAPACITOR | 1uF 6.3V K | | R449 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| C657 | NBE21AM-106X | TA E CAPACITOR | 10uF 10V M | | R451 | NRSA63J-152X | MG RESISTOR | 1.5kΩ 1/16W J | |
| C658 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | | R452 | NRSA63J-301X | MG RESISTOR | 300Ω 1/16W J | |
| C659 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | | R453 | NRSA63J-271X | MG RESISTOR | 270Ω 1/16W J | |
| C660 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | | R454 | NRSA63J-391X | MG RESISTOR | 390Ω 1/16W J | |
| C661 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | | R455 | NRSA63J-561X | MG RESISTOR | 560Ω 1/16W J | |
| C662 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | | R456 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| C663 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | | R457 | NRSA63J-152X | MG RESISTOR | 1.5kΩ 1/16W J | |
| C664 | NCB31AK-474X | C CAPACITOR | 0.47uF 10V K | | R458 | NRSA63J-301X | MG RESISTOR | 300Ω 1/16W J | |
| C665 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | | R459 | NRSA63J-271X | MG RESISTOR | 270Ω 1/16W J | |
| C666 | NDC31HJ-8R0X | C CAPACITOR | 8pF 50V J | | R460 | NRSA63J-391X | MG RESISTOR | 390Ω 1/16W J | |
| C667 | NDC31HJ-8R0X | C CAPACITOR | 8pF 50V J | | R461 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| C668 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | | R462 | NRSA63J-152X | MG RESISTOR | 1.5kΩ 1/16W J | |
| C669 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | | R463 | NRSA63J-301X | MG RESISTOR | 300Ω 1/16W J | |
| C670 | NBE41AM-476X | TA E CAPACITOR | 47uF 10V M | | R464 | NRSA63J-271X | MG RESISTOR | 270Ω 1/16W J | |
| C671 | NCJ11EK-106X-R | C CAPACITOR | 10uF 25V | | R465 | NRSA63J-391X | MG RESISTOR | 390Ω 1/16W J | |
| C671 | or NCJ11EK-106X-A | C CAPACITOR | 10uF 25V K | | R466 | NRSA63J-561X | MG RESISTOR | 560Ω 1/16W J | |
| C674 | NCJ11EK-106X-R | C CAPACITOR | 10uF 25V | | R467 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| C674 | or NCJ11EK-106X-A | C CAPACITOR | 10uF 25V K | | R468 | NRSA63J-474X | MG RESISTOR | 470kΩ 1/16W J | |
| C677 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | | R469 | NRSA63J-561X | MG RESISTOR | 560Ω 1/16W J | |
| C678 | NCJ11EK-106X-R | C CAPACITOR | 10uF 25V | | R471 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| C678 | or NCJ11EK-106X-A | C CAPACITOR | 10uF 25V K | | R472 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| C679 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | | R473 | NRSA63J-513X | MG RESISTOR | 51kΩ 1/16W J | |
| C680 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | | R474 | NRSA63J-822X | MG RESISTOR | 8.2kΩ 1/16W J | |
| C681 | NCB30JK-105X | C CAPACITOR | 1uF 6.3V K | | R475 | NRSA63J-683X | MG RESISTOR | 68kΩ 1/16W J | |
| C682 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | | R476 | NRSA63J-563X | MG RESISTOR | 56kΩ 1/16W J | |
| C683 | NBE51AM-107X | TA E CAPACITOR | 100uF 10V M | | R477 | NRSA63J-204X | MG RESISTOR | 200kΩ 1/16W J | |
| C687 | NDC31HJ-330X | C CAPACITOR | 33pF 50V J | | R478 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| C688 | NDC31HJ-330X | C CAPACITOR | 33pF 50V J | | R479 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J | |
| C689 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | | R481 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| C690 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | | R482 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| C4461 | NCB30JK-105X | C CAPACITOR | 1uF 6.3V K | | R483 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| C4462 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K | | R484 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| C4463 | NCB30JK-105X | C CAPACITOR | 1uF 6.3V K | | R485 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| C4464 | NBE20JM-335X | TA E CAPACITOR | 3.3uF 6.3V M | | R486 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| C4465 | NCB31HK-392X | C CAPACITOR | 3900pF 50V K | | R487 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| C4466 | NDC31HJ-561X | C CAPACITOR | 560pF 50V J | | R490 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| C4467 | NCB31CK-473X | C CAPACITOR | 0.047uF 16V K | | R491 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| C4711 | NDC31HJ-100X | C CAPACITOR | 10pF 50V J | | R492 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| C6533 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | | R493 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| C6601 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | | R494 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| C6602 | NBE21AM-106X | TA E CAPACITOR | 10uF 10V M | | R497 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| C6603 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | | R501 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| C6604 | NCB20JK-106X | C CAPACITOR | 10uF 6.3V K | | R502 | NRSA63J-474X | MG RESISTOR | 470kΩ 1/16W J | |
| C6605 | NCB20JK-106X | C CAPACITOR | 10uF 6.3V K | | R504 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| | | | | | R505 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R401 | NRSA63J-122X | MG RESISTOR | 1.2kΩ 1/16W J | | R506 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | |
| R402 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | | R507 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R404 | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J | | R508 | NRSA63J-394X | MG RESISTOR | 390kΩ 1/16W J | |
| R405 | NRSA63J-561X | MG RESISTOR | 560Ω 1/16W J | | R509 | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J | |
| R406 | NRSA63J-122X | MG RESISTOR | 1.2kΩ 1/16W J | | R510 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |

| △ Symbol No. | Part No. | Part Name | Description | Local | △ Symbol No. | Part No. | Part Name | Description | Local |
|--------------|--------------|-------------|---------------|-------|--------------|--------------|--------------|---------------|-------|
| R512 | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J | | R653 | NRSA63J-105X | MG RESISTOR | 1MΩ 1/16W J | |
| R513 | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J | | R654 | NRSA63J-300X | MG RESISTOR | 30Ω 1/16W J | |
| R514 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | | R655 | NRSA63J-561X | MG RESISTOR | 560Ω 1/16W J | |
| R515 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | | R656 | NRSA63J-105X | MG RESISTOR | 1MΩ 1/16W J | |
| R516 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | | R657 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J | |
| R517 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | | R658 | NRSA63J-822X | MG RESISTOR | 8.2kΩ 1/16W J | |
| R518 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | | R659 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | |
| R519 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | | R660 | NRSA63J-681X | MG RESISTOR | 680Ω 1/16W J | |
| R520 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | | R661 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R521 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | | R662 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R522 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | | R663 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R523 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | | R664 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R524 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | | R671 | NRSA63J-100X | MG RESISTOR | 10Ω 1/16W J | |
| R525 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | | R672 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R526 | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J | | R674 | NRSA63F-183X | MG RESISTOR | 18kΩ 1/16W F | |
| R527 | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J | | R675 | NRSA63J-271X | MG RESISTOR | 270Ω 1/16W J | |
| R530 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | | R676 | NRSA63J-392X | MG RESISTOR | 3.9kΩ 1/16W J | |
| R531 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | | R678 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R542 | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J | | R679 | NRSA63J-392X | MG RESISTOR | 3.9kΩ 1/16W J | |
| R544 | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J | | R681 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R545 | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J | | R682 | NRSA63J-392X | MG RESISTOR | 3.9kΩ 1/16W J | |
| R546 | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J | | R684 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R547 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | | R686 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R548 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | | R687 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R549 | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J | | R688 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R550 | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J | | R690 | NRSA63J-300X | MG RESISTOR | 30Ω 1/16W J | |
| R551 | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J | | R691 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J | |
| R556 | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J | | R692 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R561 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | | R693 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R562 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | | R694 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R573 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | | R695 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R574 | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J | | R696 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R575 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | | R697 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R576 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | | R699 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R577 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | | R4461 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R578 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | | R4462 | NRSA63J-561X | MG RESISTOR | 560Ω 1/16W J | |
| R581 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | | R4463 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R584 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | | R4464 | NRSA63J-334X | MG RESISTOR | 330kΩ 1/16W J | |
| R585 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | | R4465 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R587 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J | | R4466 | NRSA63J-823X | MG RESISTOR | 82kΩ 1/16W J | |
| R589 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | | R4467 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J | |
| R591 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J | | R4468 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R592 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | | R4469 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R593 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | | R4474 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R594 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J | | R4485 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R595 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | | R4486 | NRSA63J-561X | MG RESISTOR | 560Ω 1/16W J | |
| R596 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | | R4487 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R597 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | | R4489 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R599 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | | R4711 | NRSA63J-100X | MG RESISTOR | 10Ω 1/16W J | |
| R601 | NRSA63J-121X | MG RESISTOR | 120Ω 1/16W J | | R4731 | NRVA63B-223X | CMF RESISTOR | 22kΩ 1/16W B | |
| R602 | NRSA63J-121X | MG RESISTOR | 120Ω 1/16W J | | R4733 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R603 | NRSA63J-121X | MG RESISTOR | 120Ω 1/16W J | | R4734 | NRVA63B-562X | CMF RESISTOR | 5.6kΩ 1/16W B | |
| R604 | NRSA63J-220X | MG RESISTOR | 22Ω 1/16W J | | R4735 | NRVA63B-562X | CMF RESISTOR | 5.6kΩ 1/16W B | |
| R605 | NRSA63J-220X | MG RESISTOR | 22Ω 1/16W J | | R4736 | NRSA63D-823X | MG RESISTOR | 82kΩ 1/16W D | |
| R606 | NRSA63J-272X | MG RESISTOR | 2.7kΩ 1/16W J | | R6531 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R607 | NRSA63J-220X | MG RESISTOR | 22Ω 1/16W J | | R6537 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R608 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | | R6541 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J | |
| R610 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | | R6542 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R611 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | | R6601 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J | |
| R612 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | | R6602 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R613 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | | R6603 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R614 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | | R6604 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R615 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | | R6605 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R616 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | | R6606 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R617 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | | R6703 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R618 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | | RA511 | NRZ0065-471X | NET RESISTOR | 470Ω | |
| R619 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | | RA512 | NRZ0065-471X | NET RESISTOR | 470Ω | |
| R620 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | | RA513 | NRZ0065-471X | NET RESISTOR | 470Ω | |
| R621 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | | RA514 | NRZ0065-471X | NET RESISTOR | 470Ω | |
| R622 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | | RA515 | NRZ0065-471X | NET RESISTOR | 470Ω | |
| R625 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | | RA516 | NRZ0065-471X | NET RESISTOR | 470Ω | |
| R626 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | | RA517 | NRZ0065-471X | NET RESISTOR | 470Ω | |
| R627 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | | RA518 | NRZ0065-471X | NET RESISTOR | 470Ω | |
| R628 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | | RA519 | NRZ0065-471X | NET RESISTOR | 470Ω | |
| R630 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | | | | | | |
| R631 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | | L401 | NQL085J-470X | COIL | 47uH J | |
| R651 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | | L402 | NQL085J-470X | COIL | 47uH J | |
| R652 | NRSA63J-105X | MG RESISTOR | 1MΩ 1/16W J | | L403 | NQL085J-470X | COIL | 47uH J | |

| △ Symbol No. | Part No. | Part Name | Description | Local |
|--------------|---------------|---------------|----------------|-------|
| L471 | NQL79GM-220X | COIL | 22uH M | |
| L472 | NQL085J-470X | COIL | 47uH J | |
| L473 | NQL085J-150X | COIL | 15uH J | |
| L501 | NQL79GM-100X | COIL | 10uH M | |
| L601 | NQR0022-005X | FERRITE BEADS | | |
| L602 | NQL79GM-100X | COIL | 10uH M | |
| L603 | NQL79GM-100X | COIL | 10uH M | |
| L652 | NQL382M-470X | COIL | 47uH M | |
| L653 | NQL382M-470X | COIL | 47uH M | |
| L654 | NQL382M-470X | COIL | 47uH M | |
| L655 | NQL085J-330X | COIL | 33uH J | |
| L656 | NQL382M-470X | COIL | 47uH M | |
| CN401 | QGF0523F3-30W | CONNECTOR | FFC/FPC (1-30) | |
| CN583 | QGF0523F2-30W | CONNECTOR | FFC/FPC (1-30) | |
| K601 | NQR0022-005X | FERRITE BEADS | | |
| K602 | NQR0022-005X | FERRITE BEADS | | |
| K603 | NQR0022-005X | FERRITE BEADS | | |
| K604 | NQR0022-005X | FERRITE BEADS | | |
| K605 | NQR0022-005X | FERRITE BEADS | | |
| S451 | NSW0246-001X | TACK SW | | |
| S452 | NSW0124-001X | TACT SW | | |
| S453 | NSW0124-001X | TACT SW | | |
| S454 | NSW0246-001X | TACK SW | | |
| S455 | NSW0246-001X | TACK SW | | |
| S456 | NSW0246-001X | TACK SW | | |
| S457 | NSW0246-001X | TACK SW | | |
| S458 | NSW0246-001X | TACK SW | | |
| S459 | NSW0246-001X | TACK SW | | |
| S460 | NSW0246-001X | TACK SW | | |
| S461 | NSW0124-001X | TACT SW | | |
| S462 | NSW0124-001X | TACT SW | | |
| S463 | NSW0246-001X | TACK SW | | |
| S464 | NSW0246-001X | TACK SW | | |
| S465 | NSW0246-001X | TACK SW | | |
| S501 | NSW0246-001X | TACK SW | | |
| X511 | NAX0841-001X | C RESONATOR | | |
| X601 | NAX0367-001X | CRYSTAL | | |
| X651 | NAX0727-001X | CRYSTAL | 3.579545MHz | |
| X652 | NAX0728-001X | CRYSTAL | 4.43361875MHz | |

Panel B control board

Block No. [0][4]

| △ Symbol No. | Part No. | Part Name | Description | Local |
|--------------|----------------|------------|-------------|-------|
| Q502 | 2SA1530A/QR/-X | TRANSISTOR | | |
| D5001 | UDZW24B-X | Z DIODE | | |
| D5001 or | MA8240-X | Z DIODE | | |
| D5002 | UDZW5.6B-X | Z DIODE | | |
| D5002 or | MA8056-X | Z DIODE | | |
| D5003 | UDZW5.6B-X | Z DIODE | | |
| D5003 or | MA8056-X | Z DIODE | | |
| D5004 | UDZW5.6B-X | Z DIODE | | |
| D5004 or | MA8056-X | Z DIODE | | |
| D5005 | UDZW5.6B-X | Z DIODE | | |
| D5005 or | MA8056-X | Z DIODE | | |
| D5006 | UDZW5.6B-X | Z DIODE | | |
| D5006 or | MA8056-X | Z DIODE | | |
| D5007 | UDZW5.6B-X | Z DIODE | | |
| D5007 or | MA8056-X | Z DIODE | | |
| D5008 | UDZW20B-X | Z DIODE | | |
| D5008 or | MA8200-X | Z DIODE | | |
| D5009 | UDZW5.6B-X | Z DIODE | | |
| D5009 or | MA8056-X | Z DIODE | | |
| D5010 | UDZW5.6B-X | Z DIODE | | |
| D5010 or | MA8056-X | Z DIODE | | |
| D5011 | UDZW5.6B-X | Z DIODE | | |
| D5011 or | MA8056-X | Z DIODE | | |
| D5012 | UDZW5.6B-X | Z DIODE | | |
| D5012 or | MA8056-X | Z DIODE | | |
| D5013 | UDZW5.6B-X | Z DIODE | | |
| D5013 or | MA8056-X | Z DIODE | | |

| △ Symbol No. | Part No. | Part Name | Description | Local |
|--------------|---------------|-------------|----------------|-------|
| D5015 | UDZW5.6B-X | Z DIODE | | |
| D5015 or | MA8056-X | Z DIODE | | |
| D5016 | UDZW5.6B-X | Z DIODE | | |
| D5016 or | MA8056-X | Z DIODE | | |
| D5017 | UDZW5.6B-X | Z DIODE | | |
| D5017 or | MA8056-X | Z DIODE | | |
| D5018 | UDZW5.6B-X | Z DIODE | | |
| D5018 or | MA8056-X | Z DIODE | | |
| D5019 | UDZW13B-X | Z DIODE | | |
| D5019 or | MA8130-X | Z DIODE | | |
| D5020 | UDZW5.6B-X | Z DIODE | | |
| D5020 or | MA8056-X | Z DIODE | | |
| D5021 | UDZW5.6B-X | Z DIODE | | |
| D5021 or | MA8056-X | Z DIODE | | |
| D5022 | UDZW5.6B-X | Z DIODE | | |
| D5022 or | MA8056-X | Z DIODE | | |
| C5001 | NCB10JK-106X | C CAPACITOR | 10uF 6.3V K | |
| C5002 | NCB10JK-106X | C CAPACITOR | 10uF 6.3V K | |
| C5003 | NCB10JK-106X | C CAPACITOR | 10uF 6.3V K | |
| C5004 | NCB10JK-106X | C CAPACITOR | 10uF 6.3V K | |
| C5005 | NCB10JK-106X | C CAPACITOR | 10uF 6.3V K | |
| C5006 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C5007 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C5008 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C5009 | NDC31HJ-101X | C CAPACITOR | 100pF 50V J | |
| C5010 | NDC31HJ-101X | C CAPACITOR | 100pF 50V J | |
| R5001 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R5002 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J | |
| R5003 | NRSA63J-272X | MG RESISTOR | 2.7kΩ 1/16W J | |
| L5001 | NQL79GM-100X | COIL | 10uH M | |
| L5002 | NQL79GM-100X | COIL | 10uH M | |
| L5003 | NQL79GM-100X | COIL | 10uH M | |
| L5004 | NQL79GM-100X | COIL | 10uH M | |
| CN501 | QGZ2204M1-24X | CONNECTOR | (1-24) | |
| CN502 | QGF0523F2-30W | CONNECTOR | FFC/FPC (1-30) | |

Front end board

Block No. [0][5]

| △ Symbol No. | Part No. | Part Name | Description | Local |
|--------------|-----------------|-----------------|-------------|-------|
| IC201 | BA5835FM-X | IC | | |
| IC251 | BD6671FM-X | IC | | |
| IC301 | MN2DS0009AA | IC | | |
| IC302 | BA00HC5WF-X | IC | | |
| IC304 | S-80827CNNB-G-W | IC | | |
| IC398 | SG32M90TFIR34J | IC(PROGRAMED) | | |
| IC399 | EDS1232AATA-75 | IC(DIGITAL) | | |
| IC481 | BR24L16F-W-X | IC(DIGITAL) | | |
| Q101 | 2SB1424/R/-W | TRANSISTOR | | |
| Q102 | 2SC4617/R/-X | TRANSISTOR | | |
| Q103 | 2SB1424/R/-W | TRANSISTOR | | |
| Q104 | 2SC4617/R/-X | TRANSISTOR | | |
| Q105 | 2SC4617/R/-X | TRANSISTOR | | |
| Q106 | 2SK3019-X | MOS FET | | |
| Q107 | 2SK3019-X | MOS FET | | |
| Q231 | DTC114EE-X | DIGI TRANSISTOR | | |
| Q301 | DTC144EE-X | DIGI TRANSISTOR | | |
| Q302 | DTC144EE-X | DIGI TRANSISTOR | | |
| C1 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C2 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C3 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C4 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C5 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C8 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C9 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |

| △ Symbol No. | Part No. | Part Name | Description | Local | △ Symbol No. | Part No. | Part Name | Description | Local |
|--------------|--------------|----------------|---------------|-------|--------------|--------------|----------------|---------------|-------|
| C11 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | | C358 | NDC31HJ-5R0X | C CAPACITOR | 5pF 50V J | |
| C12 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | | C359 | NDC31HJ-5R0X | C CAPACITOR | 5pF 50V J | |
| C13 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | | C364 | NBE40JM-476X | TA E CAPACITOR | 47uF 6.3V M | |
| C14 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | | C365 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C15 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | | C366 | NCB21CK-105X | C CAPACITOR | 1uF 16V K | |
| C16 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | | C369 | NBE40JM-476X | TA E CAPACITOR | 47uF 6.3V M | |
| C17 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | | C371 | NCB21CK-105X | C CAPACITOR | 1uF 16V K | |
| C18 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | | C380 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C101 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | | C381 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C102 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | | C382 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C103 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | | C383 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C104 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | | C384 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C105 | NBE41AM-476X | TA E CAPACITOR | 47uF 10V M | | C385 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C106 | NBE41AM-476X | TA E CAPACITOR | 47uF 10V M | | C386 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C108 | NBE41AM-476X | TA E CAPACITOR | 47uF 10V M | | C387 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C111 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | | C388 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C112 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | | C391 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C201 | NEAF1CM-107X | E CAPACITOR | 100uF 16V M | | C392 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C202 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | | C393 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C203 | NCS31HJ-271X | C CAPACITOR | 270pF 50V J | | C394 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C204 | NDC31HJ-151X | C CAPACITOR | 150pF 50V J | | C396 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C205 | NCB31HK-681X | C CAPACITOR | 680pF 50V K | | C397 | NBE20JM-226X | TA E CAPACITOR | 22uF 6.3V M | |
| C206 | NCB31HK-561X | C CAPACITOR | 560pF 50V K | | C451 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C211 | NEAF1CM-107X | E CAPACITOR | 100uF 16V M | | C452 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C212 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | | C453 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C213 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | | C454 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C221 | NCB31HK-223X | C CAPACITOR | 0.022uF 50V K | | C481 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C222 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | | C491 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C251 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | | | | | | |
| C252 | NEAF1CM-107X | E CAPACITOR | 100uF 16V M | | R101 | NRSA63J-910X | MG RESISTOR | 91Ω 1/16W J | |
| C253 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | | R102 | NRSA63J-910X | MG RESISTOR | 91Ω 1/16W J | |
| C254 | NBE21AM-106X | TA E CAPACITOR | 10uF 10V M | | R103 | NRSA63D-432X | MG RESISTOR | 4.3kΩ 1/16W D | |
| C255 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | | R104 | NRSA63D-242X | MG RESISTOR | 2.4kΩ 1/16W D | |
| C256 | NCB31CK-473X | C CAPACITOR | 0.047uF 16V K | | R105 | NRS125J-120X | MG RESISTOR | 12Ω 1/2W J | |
| C257 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K | | R106 | NRSA63J-2R2X | MG RESISTOR | 2.2Ω 1/16W J | |
| C258 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K | | R107 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| C259 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K | | R108 | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J | |
| C264 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | | R109 | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J | |
| C265 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | | R110 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| C266 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | | R111 | NRSA63D-432X | MG RESISTOR | 4.3kΩ 1/16W D | |
| C267 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | | R112 | NRSA63D-242X | MG RESISTOR | 2.4kΩ 1/16W D | |
| C268 | NCB31HK-153X | C CAPACITOR | 0.015uF 50V K | | R113 | NRS125J-120X | MG RESISTOR | 12Ω 1/2W J | |
| C301 | NEAF0JM-227X | E CAPACITOR | 220uF 6.3V M | | R114 | NRSA63J-2R2X | MG RESISTOR | 2.2Ω 1/16W J | |
| C302 | NBE40JM-476X | TA E CAPACITOR | 47uF 6.3V M | | R115 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| C305 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | | R116 | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J | |
| C308 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | | R117 | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J | |
| C309 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | | R118 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| C310 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | | R119 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| C311 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | | R120 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| C312 | NCB21CK-105X | C CAPACITOR | 1uF 16V K | | R122 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| C313 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | | R123 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| C315 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | | R125 | NRS125J-1R0X | MG RESISTOR | 1Ω 1/2W J | |
| C316 | NCB31CK-105X | C CAPACITOR | 1uF 16V K | | R126 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| C317 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | | R127 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| C318 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | | R128 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| C319 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | | R129 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J | |
| C320 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | | R201 | NRS125J-1R0X | MG RESISTOR | 1Ω 1/2W J | |
| C321 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | | R202 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| C322 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | | R203 | NRSA63J-303X | MG RESISTOR | 30kΩ 1/16W J | |
| C323 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | | R204 | NRSA63J-273X | MG RESISTOR | 27kΩ 1/16W J | |
| C324 | NCB21CK-105X | C CAPACITOR | 1uF 16V K | | R205 | NRSA63J-273X | MG RESISTOR | 27kΩ 1/16W J | |
| C325 | NDC31HJ-100X | C CAPACITOR | 10pF 50V J | | R206 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| C326 | NDC31HJ-100X | C CAPACITOR | 10pF 50V J | | R207 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| C330 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | | R208 | NRSA63J-203X | MG RESISTOR | 20kΩ 1/16W J | |
| C331 | NCB31CK-333X | C CAPACITOR | 0.033uF 16V K | | R209 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J | |
| C332 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | | R211 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| C333 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | | R219 | NRSA63J-153X | MG RESISTOR | 15kΩ 1/16W J | |
| C335 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | | R220 | NRSA63J-183X | MG RESISTOR | 18kΩ 1/16W J | |
| C336 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | | R221 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| C337 | NCB31HK-183X | C CAPACITOR | 0.018uF 50V K | | R222 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| C338 | NCB31HK-562X | C CAPACITOR | 5600pF 50V K | | R223 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| C339 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | | R224 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| C340 | NCB21CK-105X | C CAPACITOR | 1uF 16V K | | R231 | NRSA63J-272X | MG RESISTOR | 2.7kΩ 1/16W J | |
| C341 | NCB21CK-105X | C CAPACITOR | 1uF 16V K | | R232 | NRSA63J-153X | MG RESISTOR | 15kΩ 1/16W J | |
| C347 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | | R233 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| C348 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | | R234 | NRSA63J-394X | MG RESISTOR | 390kΩ 1/16W J | |
| C349 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | | R235 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J | |
| C350 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | | R251 | NRS125J-R47X | MG RESISTOR | 0.47Ω 1/2W J | |

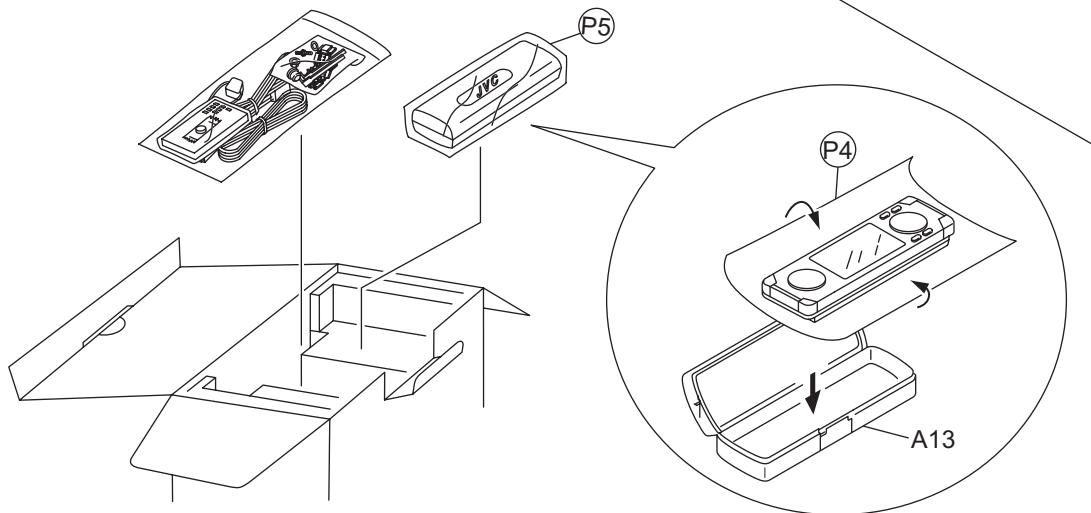
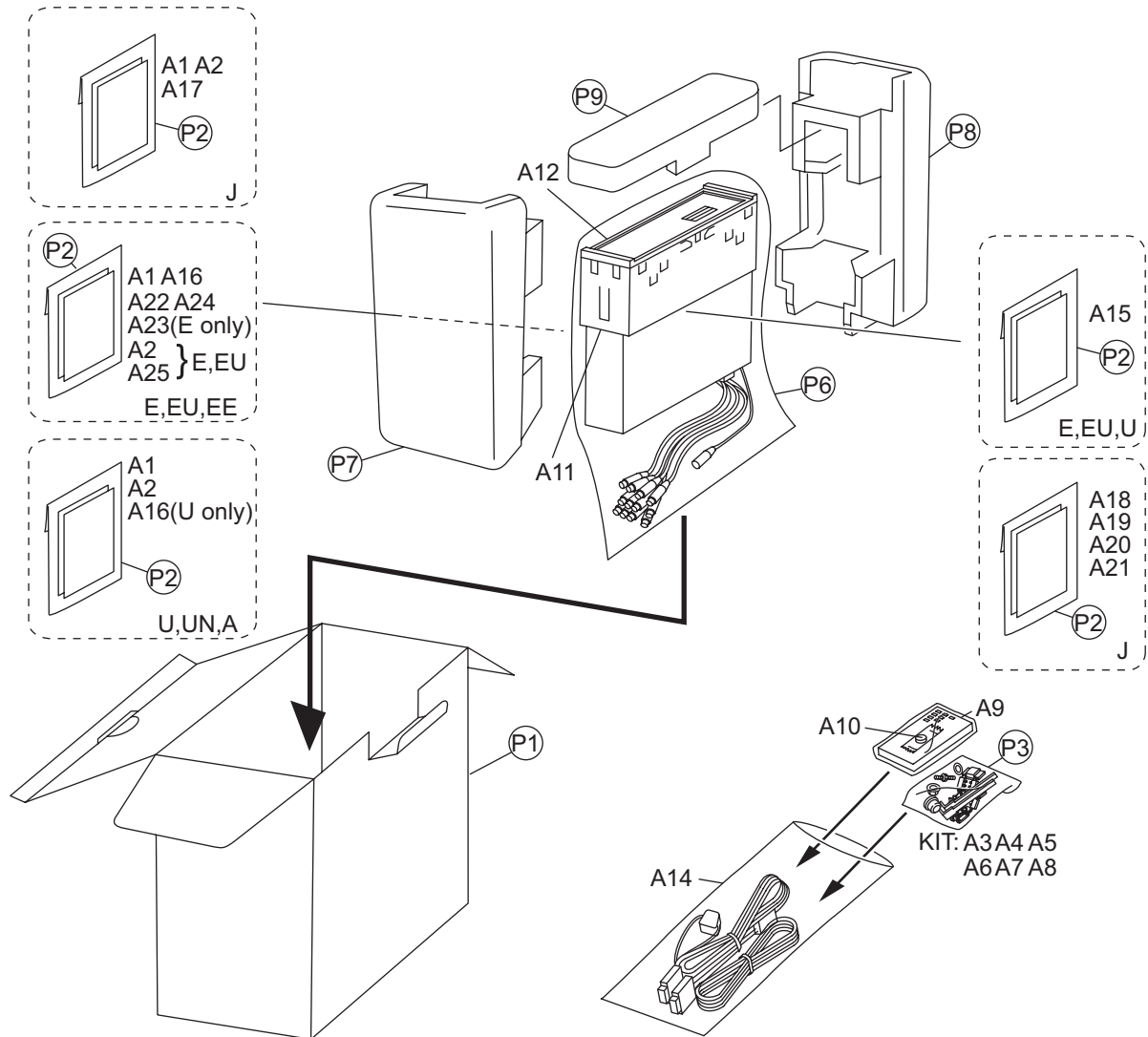
| △ Symbol No. | Part No. | Part Name | Description | Local | △ Symbol No. | Part No. | Part Name | Description | Local |
|--------------|--------------|---------------|---------------|-------|--------------|---------------|---------------|----------------|-------|
| R252 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | | CN101 | QGF0501F8-30X | CONNECTOR | FFC/FPC (1-30) | |
| R253 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | | CN201 | QGF1038F2-11X | CONNECTOR | FFC/FPC (1-11) | |
| R254 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | | CN202 | QGF0523F2-05W | CONNECTOR | FFC/FPC (1-5) | |
| R255 | NRSA63J-203X | MG RESISTOR | 20kΩ 1/16W J | | CN401 | QGF0534F3-60X | CONNECTOR | FFC/FPC (1-60) | |
| R256 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J | | CN402 | QGF0522F3-06W | CONNECTOR | FFC/FPC (1-6) | |
| R257 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | | K101 | NQR0007-002X | FERRITE BEADS | | |
| R258 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | | K102 | NQR0007-002X | FERRITE BEADS | | |
| R259 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | | K301 | NQR0502-001X | FERRITE BEADS | | |
| R260 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J | | K311 | NQR0129-002X | FERRITE BEADS | | |
| R300 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | | K312 | NQR0129-002X | FERRITE BEADS | | |
| R301 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | | K399 | NQR0502-001X | FERRITE BEADS | | |
| R303 | NRSA63J-270X | MG RESISTOR | 27Ω 1/16W J | | K401 | NQR0022-005X | FERRITE BEADS | | |
| R304 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | | K402 | NQR0022-005X | FERRITE BEADS | | |
| R306 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | | K404 | NQR0022-005X | FERRITE BEADS | | |
| R307 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | | K405 | NQR0022-005X | FERRITE BEADS | | |
| R308 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J | | K406 | NQR0022-005X | FERRITE BEADS | | |
| R309 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J | | K407 | NQR0022-005X | FERRITE BEADS | | |
| R310 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | | K421 | NQR0022-005X | FERRITE BEADS | | |
| R312 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | | K422 | NQR0022-005X | FERRITE BEADS | | |
| R313 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | | K423 | NQR0022-005X | FERRITE BEADS | | |
| R314 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | | K424 | NQR0022-005X | FERRITE BEADS | | |
| R315 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | | K425 | NQL093K-1R8X | COIL | 1.8uH K | |
| R316 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | | K426 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R317 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J | | K427 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R318 | NRSA63D-332X | MG RESISTOR | 3.3kΩ 1/16W D | | K428 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R319 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J | | K430 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R320 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | | K431 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R322 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | | K432 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R323 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | | K433 | NRSA63J-181X | MG RESISTOR | 180Ω 1/16W J | |
| R332 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | | K435 | NQR0022-005X | FERRITE BEADS | | |
| R333 | NRSA63D-162X | MG RESISTOR | 1.6kΩ 1/16W D | | K441 | NQR0022-005X | FERRITE BEADS | | |
| R334 | NRSA63J-151X | MG RESISTOR | 150Ω 1/16W J | | K451 | NQR0022-005X | FERRITE BEADS | | |
| R335 | NRSA63J-151X | MG RESISTOR | 150Ω 1/16W J | | K452 | NQR0022-005X | FERRITE BEADS | | |
| R336 | NRSA63J-151X | MG RESISTOR | 150Ω 1/16W J | | K461 | NQR0022-005X | FERRITE BEADS | | |
| R337 | NRSA63J-151X | MG RESISTOR | 150Ω 1/16W J | | K462 | NQR0022-005X | FERRITE BEADS | | |
| R338 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | | K601 | NQR0022-005X | FERRITE BEADS | | |
| R339 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | | SW4 | NSW0184-001X | DETECT SW | | |
| R340 | NRSA63D-303X | MG RESISTOR | 30kΩ 1/16W D | | SW5 | NSW0183-001X | DETECT SW | | |
| R346 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | | TH491 | NAD0025-103X | N THERMISTOR | 10kΩ | |
| R347 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | | X351 | NAX0730-001X | CRYSTAL | 27.000MHz | |
| R348 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | | | | | | |
| R349 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | | | | | | |
| R351 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | | | | | | |
| R352 | NRSA63J-105X | MG RESISTOR | 1MΩ 1/16W J | | | | | | |
| R353 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | | | | | | |
| R354 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | | | | | | |
| R362 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | | | | | | |
| R363 | NRSA63J-151X | MG RESISTOR | 150Ω 1/16W J | | | | | | |
| R364 | NRSA63J-151X | MG RESISTOR | 150Ω 1/16W J | | | | | | |
| R365 | NRSA63D-911X | MG RESISTOR | 910Ω 1/16W D | | | | | | |
| R366 | NRSA63D-202X | MG RESISTOR | 2kΩ 1/16W D | | | | | | |
| R370 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | | | | | | |
| R371 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | | | | | | |
| R372 | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J | | | | | | |
| R373 | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J | | | | | | |
| R374 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | | | | | | |
| R380 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | | | | | | |
| R384 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | | | | | | |
| R385 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | | | | | | |
| R386 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | | | | | | |
| R390 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | | | | | | |
| R396 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | | | | | | |
| R399 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | | | | | | |
| R403 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | | | | | | |
| R405 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | | | | | | |
| R481 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | | | | | | |
| R491 | NRSA63D-472X | MG RESISTOR | 4.7kΩ 1/16W D | | | | | | |
| R492 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | | | | | | |
| R618 | NRSA63J-181X | MG RESISTOR | 180Ω 1/16W J | | | | | | |
| R619 | NRSA63J-181X | MG RESISTOR | 180Ω 1/16W J | | | | | | |
| R620 | NRSA63J-181X | MG RESISTOR | 180Ω 1/16W J | | | | | | |
| L303 | NQL044K-100X | COIL | 0.26Ω 10uH K | | | | | | |
| L305 | NQR0129-002X | FERRITE BEADS | | | | | | | |
| L306 | NQR0129-002X | FERRITE BEADS | | | | | | | |
| L307 | NQR0129-002X | FERRITE BEADS | | | | | | | |
| L451 | NQL044K-100X | COIL | 0.26Ω 10uH K | | | | | | |

<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 | LVT1454-001A | INST BOOK | ENG SPA FRE | J |
| A 1 | LVT1455-001A | INST BOOK | ENG GER FRE DUT | E |
| A 1 | LVT1455-003A | INST BOOK | ENG SPA FRE | EU |
| A 1 | LVT1455-005A | INST BOOK | ENG RUS | EE |
| A 1 | LVT1456-001A | INST BOOK | ENG CHA(TAIWAN) THA | U |
| A 1 | LVT1456-004A | INST BOOK | ENG INA | UN |
| A 1 | LVT1456-003A | INST BOOK | ENG | A |
| A 2 | LVT1454-002A | INSTALL MANUAL | | J |
| A 2 | LVT1455-006A | INSTALL MANUAL | | E |
| A 2 | LVT1455-008A | INSTALL MANUAL | | EU |
| A 2 | LVT1456-007A | INSTALL MANUAL | | U |
| A 2 | LVT1456-009A | INSTALL MANUAL | | UN |
| A 2 | LVT1456-008A | INSTALL MANUAL | | A |
| A 3 | VKZ4027-202 | PLUG NUT | | |
| A 4 | VKH4871-003 | MOUNT BOLT | | |
| A 5 | VKZ4328-003 | LOCK NUT | | |
| A 6 | QYWSS50A010ZA | WASHER | 0.1mm/5mm x | |
| A 7 | GE40130-002A | HOOK | (x2) | |
| A 8 | LV41478-002A | CORD CONNECTOR | (x2) | |
| A 9 | RM-RK240 | REMOCON | | |
| A 10 | ----- | BATTERY | | |
| A 11 | GE20137-003A | MOUNTING SLEEVE | | |
| A 12 | LV22277-001A | TRIM | | |
| A 13 | LV35787-001A | HARD CASE ASSY | | |
| A 14 | QAM0701-002 | CAR CABLE | | J,U,UN,A |
| A 14 | QAM0700-002 | CAR CABLE | | E,EU,EE |
| A 15 | LVT1455-002A | INST BOOK | SPA ITA SWE | E |
| A 15 | LVT1455-004A | INST BOOK | TUR PER | EU |
| A 15 | LVT1456-002A | INST BOOK | KOR ARA PER | U |
| A 16 | LVT1455-007A | INSTALL MANUAL | | E |
| A 16 | LVT1455-009A | INSTALL MANUAL | | EU |
| A 16 | LVT1455-010A | INSTALL MANUAL | | EE |
| A 16 | LVT1456-006A | INSTALL MANUAL | | U |
| A 17 | LVT1573-001A | INST SHEET | | J |
| A 18 | BT-51034-2 | REGISTRATION CARD | | J |
| A 19 | ----- | WARRANTY CARD | BT-51018-4 | J |
| A 20 | ----- | WARRANTY CARD | BT-52006-2 | J |
| A 21 | LVT0717-001B | TROUBLE SHEET(C | | J |
| A 22 | ----- | WARRANTY CARD | BT-54028-1 | E,EU,EE |
| A 23 | VND3050-002 | IDENTITY CARD | | E |
| A 24 | VND3046-001 | SERIAL TICKET | | E,EU,EE |
| A 25 | LVT1435-001A | INST SHEET | | E,EU |
| KIT | SRW-AVX2E | SCREW PARTS KIT | A3 A4 A5 A6 A7 A8 | |
| P 1 | LV36752-001A | CARTON | | J |
| P 1 | LV36753-001A | CARTON | | E,EU |
| P 1 | LV36756-001A | CARTON | | EE |
| P 1 | LV36755-001A | CARTON | | U,UN |
| P 1 | LV36754-001A | CARTON | | A |
| P 2 | FSPG4002-001 | POLY BAG | (x2) | J,U |
| P 2 | QPA01803205P | POLY BAG | 18cm x 32cm(x2) | E,EU |
| P 2 | FSPG4002-001 | POLY BAG | | EE,UN,A |
| P 3 | QPA00801205 | POLY BAG | 8cm x 12cm | |
| P 4 | FSYH4036-068 | SHEET | | |
| P 5 | QPA01003003 | POLY BAG | 10cm x 30cm | |
| P 6 | QPC03004315P | POLY BAG | 30cm x 43cm | |
| P 7 | LV11236-001A | CUSHION (L) | | |
| P 8 | LV11237-001A | CUSHION (R) | | |
| P 9 | LV22311-001A | CUSHION (M) | | |