

# JVC

## SERVICE MANUAL

### DVD AUDIO/VIDEO PLAYER

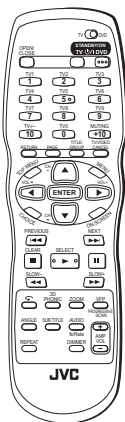
## XV-NA70BK, XV-NA77SL

#### Area Suffix (XV-NA70BK)

J ----- U.S.A.  
C ----- Canada

#### Area Suffix (XV-NA77SL)

J ----- U.S.A.  
C ----- Canada  
B ----- U.K.  
E ----- Continental Europe  
EN ----- Northern Europe  
EV ----- Eastern Europe  
EE ----- Russian Federation  
A ----- Australia  
UF ----- China  
UJ ----- U.S.A. Military  
US ----- Singapore  
UW ----- Brazil, Mexico, Peru



**DVD**  
AUDIO/VIDEO

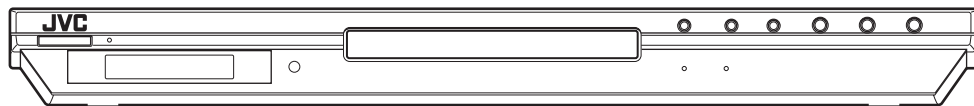
**DOLBY**  
DIGITAL

**3D**  
PHONIC

**DIGITAL**  
**dts**  
SURROUND

**COMPACT**  
**disc**  
SUPER VIDEO

**AV COMPU LINK**



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# SPECIFICATION

## For U.S.A.

|                       |                           |                                                                                                                                                                                                                 |
|-----------------------|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| General               | Readable discs            | DVD AUDIO, DVD VIDEO, DVD-R (Video format), DVD-RW (Video format/VR format), DVD-RAM (VR format), SVCD, Video CD, Audio CD (CD-DA), MP3/WMA format, JPEG, CD-R/RW (CD-DA, SVCD, Video CD, MP3/WMA format, JPEG) |
|                       | Video format              | REMOTE, 480i (Interlaced scan)/480p (Progressive scan) selectable                                                                                                                                               |
| Other                 | Power requirements        | AC 120 V ~ , 60 Hz                                                                                                                                                                                              |
|                       | Power consumption         | 16 W (POWER ON), 2.0 W (STANDBY mode)                                                                                                                                                                           |
|                       | Mass                      | 2.1 kg (4.7 lbs)                                                                                                                                                                                                |
|                       | Dimensions (W × H × D)    | 435 mm × 45 mm × 270.5 mm<br>(17-3/16 inch × 2-13/16 inch × 10-11/16 inch)                                                                                                                                      |
| Video outputs         | COMPONENT (pin jacks)     | Y Output: 1.0 Vp-p (75 Ω)                                                                                                                                                                                       |
|                       |                           | PB/PR Output: 0.7 Vp-p (75 Ω)                                                                                                                                                                                   |
|                       | VIDEO OUT (pin jack)      | 1.0 Vp-p (75 Ω)                                                                                                                                                                                                 |
|                       | S-VIDEO OUT (S jack)      | Y Output: 1.0 Vp-p (75 Ω)                                                                                                                                                                                       |
|                       |                           | C Output: 286 mVp-p (75 Ω)                                                                                                                                                                                      |
|                       | Horizontal resolution     | 500 lines or more                                                                                                                                                                                               |
| Audio outputs         | ANALOG OUT (pin jack)     | 2.0 Vrms (10 kΩ)                                                                                                                                                                                                |
|                       | DIGITAL OUT (COAXIAL)     | 0.5 Vp-p (75 Ω termination)                                                                                                                                                                                     |
|                       | DIGITAL OUT (OPTICAL)     | -21 dBm to -15 dBm (peak)                                                                                                                                                                                       |
| Audio characteristics | Frequency response        | CD (sampling frequency 44.1 kHz):2 Hz to 20 kHz                                                                                                                                                                 |
|                       |                           | DVD (sampling frequency 48 kHz):2 Hz to 22 kHz(4 Hz to 20 kHz for DTS and Dolby Digital bitstream signals)                                                                                                      |
|                       |                           | DVD (sampling frequency 96 kHz):2 Hz to 44 kHz                                                                                                                                                                  |
|                       |                           | DVD (sampling frequency 192 kHz/176.4kHz):2 Hz to 88 kHz                                                                                                                                                        |
|                       | Dynamic range             | 16 bit: More than 100 dB                                                                                                                                                                                        |
|                       |                           | 20 bit/24 bit: More than 110 dB                                                                                                                                                                                 |
|                       | Wow and flutter           | Unmeasurable (less than ± 0.002%)                                                                                                                                                                               |
|                       | Total harmonic distortion | 16 bit: less than 0.0018%                                                                                                                                                                                       |
|                       |                           | 20 bit/24 bit: less than 0.0012%                                                                                                                                                                                |

- Specifications and appearance are subject to change without prior notice.
- Manufactured under license from Dolby Laboratories. "Dolby," "MLP Lossless" and the double-D symbol are trademarks of Dolby Laboratories.
- "DTS" and "DTS Digital Surround" are registered trademarks of Digital Theater Systems, Inc.

# SECTION 1

## PRECAUTION

### 1.1 Safety Precautions

- (1) This design of this product contains special hardware and many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Services should be performed by qualified personnel only.
- (2) Alterations of the design or circuitry of the product should not be made. Any design alterations of the product should not be made. Any design alterations or additions will void the manufacturers warranty and will further relieve the manufacture of responsibility for personal injury or property damage resulting therefrom.
- (3) Many electrical and mechanical parts in the products have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the Parts List of Service Manual. Electrical components having such features are identified by shading on the schematics and by ( $\Delta$ ) on the Parts List in the Service Manual. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement parts shown in the Parts List of Service Manual may create shock, fire, or other hazards.
- (4) The leads in the products are routed and dressed with ties, clamps, tubings, barriers and the like to be separated from live parts, high temperature parts, moving parts and/or sharp edges for the prevention of electric shock and fire hazard. When service is required, the original lead routing and dress should be observed, and it should be confirmed that they have been returned to normal, after reassembling.

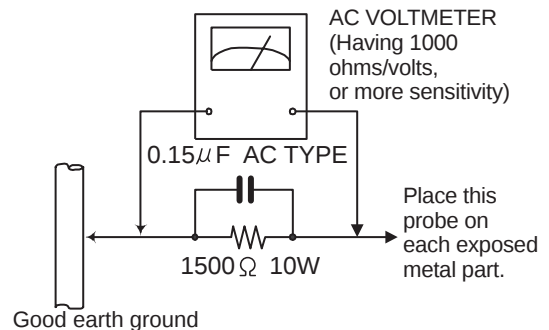
(5) Leakage shock hazard testing

After reassembling the product, always perform an isolation check on the exposed metal parts of the product (antenna terminals, knobs, metal cabinet, screw heads, headphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock. Do not use a line isolation transformer during this check.

- Plug the AC line cord directly into the AC outlet. Using a "Leakage Current Tester", measure the leakage current from each exposed metal parts of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground. Any leakage current must not exceed 0.5mA AC (r.m.s.).
- Alternate check method  
Plug the AC line cord directly into the AC outlet. Use an AC voltmeter having, 1,000 $\Omega$  per volt or more sensitivity in the following manner. Connect a 1,500 $\Omega$  10W resistor paralleled by a 0.15 $\mu$ F AC-type capacitor between an exposed metal part and a known good earth ground. Measure the AC voltage across the resistor with the AC

voltmeter.

Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Voltage measured any must not exceed 0.75 V AC (r.m.s.). This corresponds to 0.5 mA AC (r.m.s.).



### 1.2 Warning

- (1) This equipment has been designed and manufactured to meet international safety standards.
- (2) It is the legal responsibility of the repairer to ensure that these safety standards are maintained.
- (3) Repairs must be made in accordance with the relevant safety standards.
- (4) It is essential that safety critical components are replaced by approved parts.
- (5) If mains voltage selector is provided, check setting for local voltage.

### 1.3 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 pre-forming repair of this system.**

### 1.4 Critical parts for safety

In regard with component parts appearing on the silk-screen printed side (parts side) of the PWB diagrams, the parts that are printed over with black such as the resistor (■), diode (▀) and ICP (●) or identified by the " $\Delta$ " mark nearby are critical for safety. When replacing them, be sure to use the parts of the same type and rating as specified by the manufacturer.

(This regulation dose not Except the J and C version)

## 1.5 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.

### 1.5.1 Grounding to prevent damage by static electricity

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

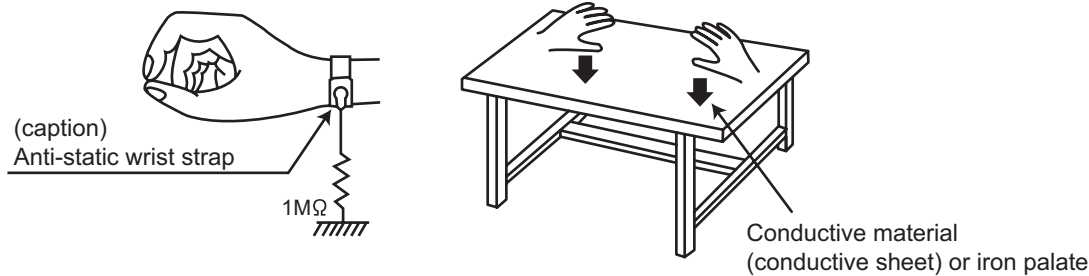
Be careful to use proper grounding in the area where repairs are being performed.

(1) Ground the workbench

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

(2) Ground yourself

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



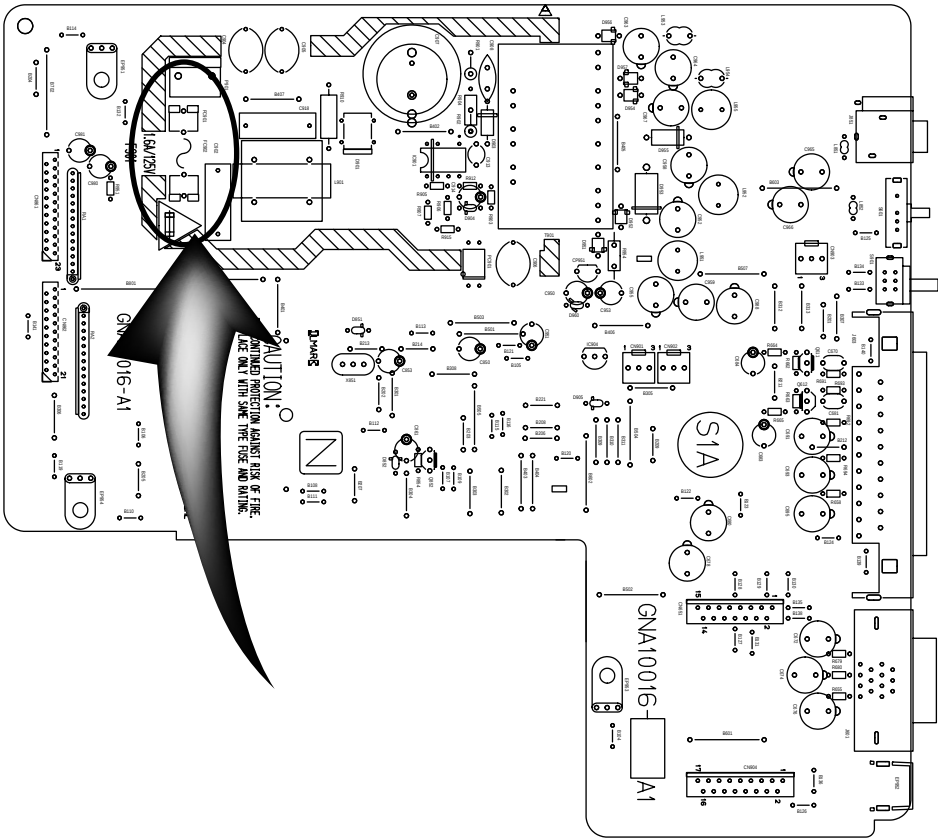
(3) Handling the optical pickup

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

## 1.6 Handling the traverse unit (optical pickup)

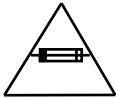
- (1) Do not subject the traverse unit (optical pickup) to strong shocks, as it is a sensitive, complex unit.
- (2) Cut off the shorted part of the flexible cable using nippers, etc. after replacing the optical pickup. For specific details, refer to the replacement procedure in the text. Remove the anti-static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

1.7 Importance administering point on the safety



**Full Fuse Replacement Marking**

Graphic symbol mark  
(This symbol means fast blow type fuse.)



should be read as follows ;

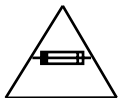
**FUSE CAUTION**

**FOR CONTINUED PROTECTION AGAINST RISK OF FIRE, REPLACE ONLY WITH SAME TYPE AND RATING OF FUSES ;**

**F901 : 1.6 A / 125 V**

**Marquage Pour Le Remplacement Complet De Fusible**

Le symbole graphique (Ce symbole signifie fusible de type à fusion rapide.)



doit être interprété comme suit ;

**PRECAUTIONS SUR LES FUSIBLES**

**POUR UNE PROTECTION CONTINUE CONTRE DES RISQUES D'INCENDIE, REMPLACER SEULEMENT PAR UN FUSIBLE DU MEME TYPE ;**

**F901 : 1.6 A / 125 V**

1.8 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 compact disc 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 herein 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.

**VARNING** : Osynlig laserstrålning är denna del är öppnad och spärren är urkopplad. Betrakta ej strålen.

**VARO** : Avattaessa ja suojalukitus ohitettaessa olet alltiina näkymättömälle lasersäteilylle.Älä katso säteeseen.

**ADVARSEL** : Usynlig laserstrålning ved åbning , når sikkerhedsafbrydere er ude af funktion. Undgå udsættelse for stråling.

**ADVARSEL** : Usynlig laserstrålning ved åbning,når sikkerhetsbryteren er avslott. unngå utsettelse for stråling.

REPRODUCTION AND POSITION OF LABEL and PRINT

WARNING LABEL and PRINT

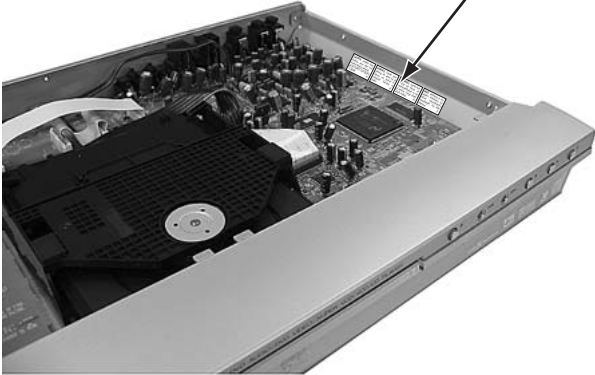
The inside of a chassis base

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

VARNING: Osynlig laserstrålning när denna del är öppnad och spärren är urkopplad. Betrakta ej strålen. (s)

ADVARSEL: Usynlig laserstrålning ved åbning, når sikkerhedsafbrydere er ude af funktion. Undgå udsættelse for stråling (d)

VARO: Avattaessa ja suojalukitus ohitettaessa olet alltiina näkymättömälle lasersäteilylle. Älä katso säteeseen. (f)



## 1.9 Precautions for Service

### 1.9.1 Handling of Traverse Unit and Laser Pickup

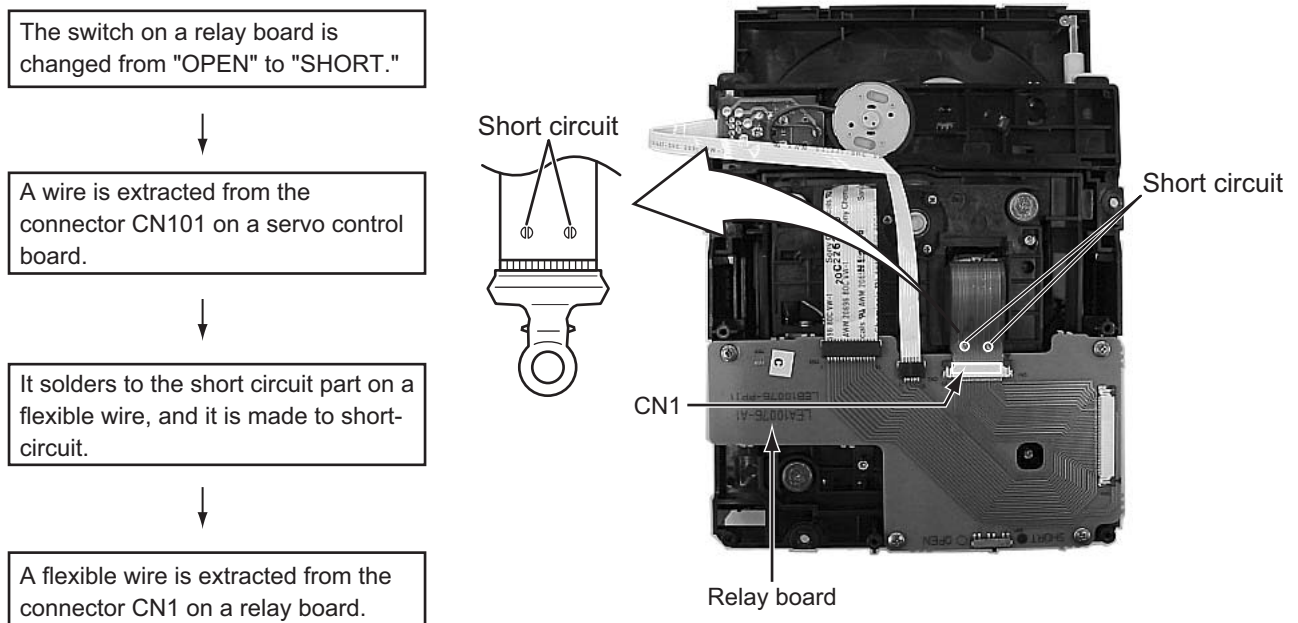
- (1) Do not touch any peripheral element of the pickup or the actuator.
- (2) The traverse unit and the pickup are precision devices and therefore must not be subjected to strong shock.
- (3) Do not use a tester to examine the laser diode. (The diode can easily be destroyed by the internal power supply of the tester.)
- (4) To replace the traverse unit, pull out the metal short pin for protection from charging.
- (5) When replacing the pickup, after mounting a new pickup, remove the solder on the short land which is provided at the center of the flexible wire to open the circuit.
- (6) Half-fixed resistors for laser power adjustment are adjusted in pairs at shipment to match the characteristics of the optical block.  
Do not change the setting of these half-fixed resistors for laser power adjustment.

### 1.9.2 Destruction of Traverse Unit and Laser Pickup by Static Electricity

Laser diodes are easily destroyed by static electricity charged on clothing or the human body. Before repairing peripheral elements of the traverse unit or pickup, be sure to take the following electrostatic protection:

- (1) Wear an antistatic wrist wrap.
- (2) With a conductive sheet or a steel plate on the workbench on which the traverse unit or the pick up is to be repaired, ground the sheet or the plate.
- (3) Please be sure to make the switch of a relay board into the "SHORT" side before drawing out a wire from the connector [CN101](#) on a servo control board, when taking out a mechanism assembly from a main body.  
And please be sure to make a switch into the "OPEN" side after connecting a wire to [CN101](#), when it mounts a mechanism assembly in a main body.
- (4) After removing the flexible wire from the connector ([CN1](#)), short-circuit the flexible wire by the metal clip.
- (5) Short-circuit the laser diode by soldering the land which is provided at the center of the flexible wire for the pickup.  
After completing the repair, remove the solder to open the circuit.

The procedure for protecting a pickup



In case you assemble, please do all work conversely.

## **SECTION 2**

### **SPECIFIC SERVICE INSTRUCTIONS**

This service manual does not describe SPECIFIC SERVICE INSTRUCTIONS.

## SECTION 3 DISASSEMBLY

There is a part different from the photograph according to the model and the destination thought explains this disassembly method by using XV-NA77SL for europe.

### 3.1 Main body section

#### 3.1.1 Removing the top cover (See Figure 1)

- (1) Remove the two screws **A** attaching the top cover on both sides of the main body.
- (2) Remove the three screws **B** attaching the top cover on the back of the main body.
- (3) Raise the both sides and lower part of the rear of the top cover, with opening them slightly in an outward direction. And the top cover will be removed.



Fig.1

#### 3.1.2 Removing the front panel assembly (See Figure 2, Figure 3, Figure 4)

- Prior to performing the following procedure, remove the top cover.
- There is no need to remove the mechanism assembly.
- (1) Insert a kind of screwdriver in a hole located in the right side of mechanism assembly, and push a lever until it cannot be inserted any further.
- (2) And then, a tray will come out. Remove the tray in an upper direction, with slightly opening the lower part of fitting in an outward direction.
- (3) Disconnect the card wire from connector [CN861](#), [CN862](#) on the power supply board.
- (4) Hook **a** and **b** are removed respectively, and the front panel assembly is removed.

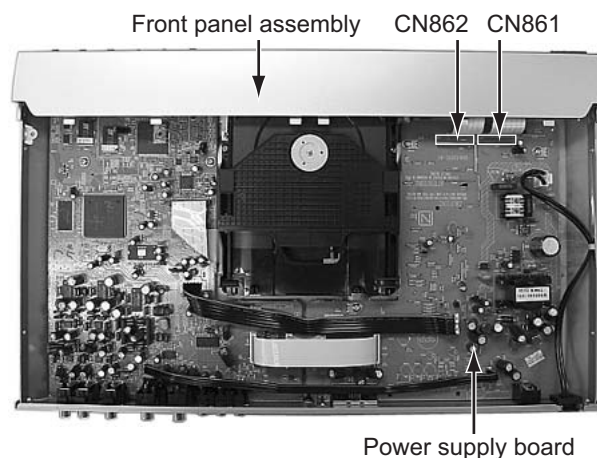


Fig.3

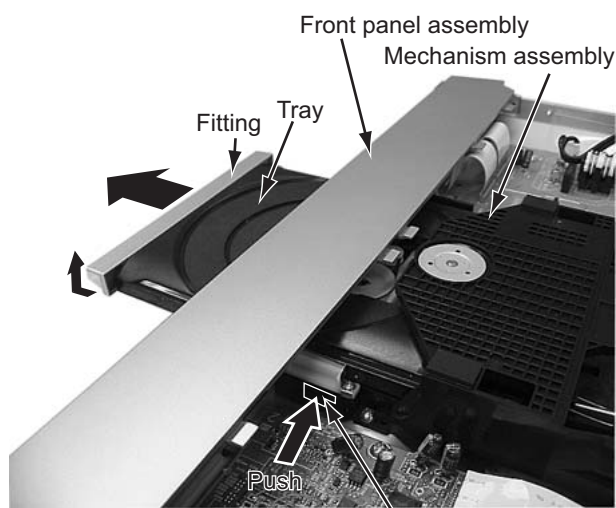


Fig.2

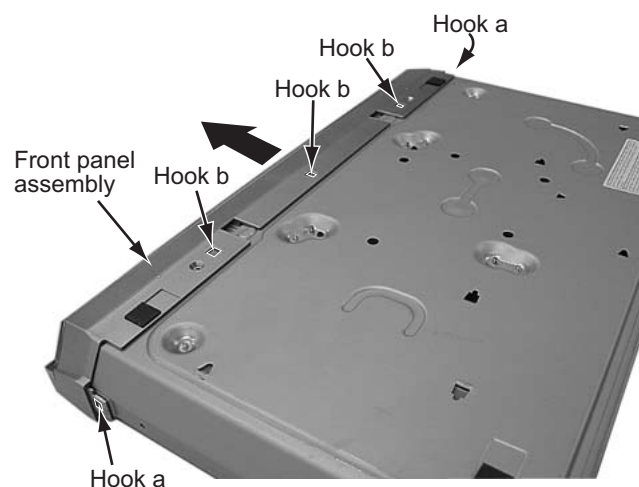


Fig.4

### 3.1.3 Removing the mechanism assembly (See Figure 2, Figure 5, Figure 6)

- Prior to performing the following procedure, remove the top cover.
- There is no need to remove the front panel assembly.
  - (1) Insert a kind of screwdriver in a hole located in the right side of mechanism assembly, and push a lever until it cannot be inserted any further. (See Figure 2)
  - (2) And then, a tray will come out. Remove the tray in an upper direction, with slightly opening the lower part of fitting in an outward direction. (See Figure 2)
  - (3) Remove the three screws **C** attaching the mechanism assembly.
  - (4) The switch on a relay board is made into the "SHORT" side.
  - (5) Disconnect the card wire from connector **CN101** on the servo control and signal output terminal board.
  - (6) Remove the mechanism assembly by lifting the rear part of the mechanism assembly.

#### ATTENTION:

Please be sure to make the switch on a relay board into a "SHORT" side before disconnect a card wire from the connector **CN101** on servo control and signal output terminal board. Moreover, please be sure to make a switch into the "OPEN" side after inserting a card wire in a connector **CN101** at the time of an assembly. There is a possibility of destroying the laser diode of a pick-up unit with static electricity.

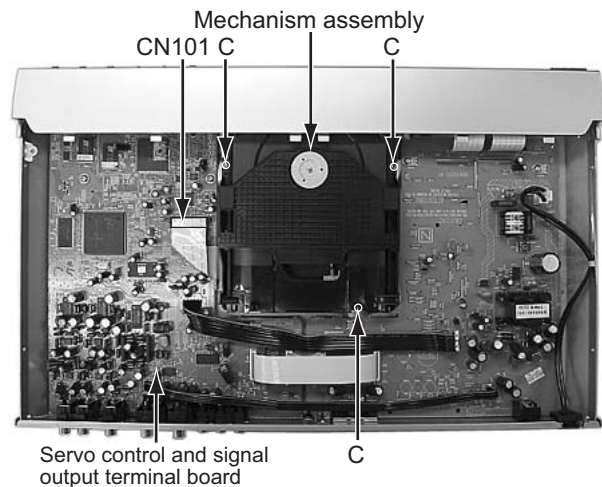
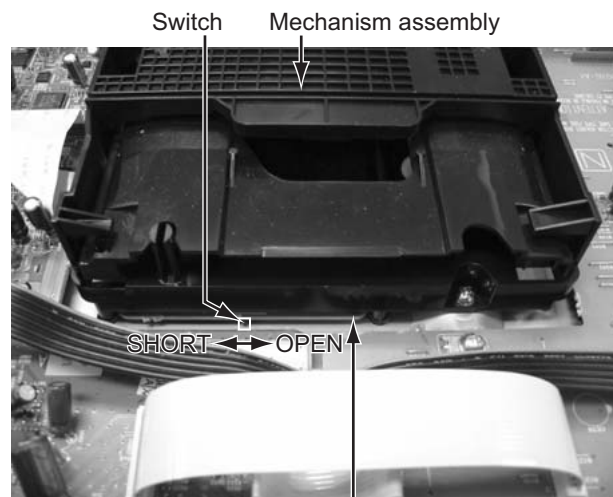


Fig.5



Relay board  
Fig.6

### 3.1.4 Removing the relay board (See Figure 7)

- Prior to performing the following procedure, remove the mechanism assembly.
  - (1) Remove the four screws **D** attaching the relay board.
  - (2) Disconnect the card wire from connector **CN2**, **CN3** on the relay board respectively.
  - (3) Disconnect the flexible wire from connector **CN1** on the relay board from pick-up unit.

#### ATTENTION:

At this time, please extract the wire after short-circuited of two places on the wire in part **c** with solder. Please remove the solder two places of part **c** after connecting the wire with **CN1** when reassembling. There is a possibility of destroying the laser diode of a pick-up unit with static electricity.

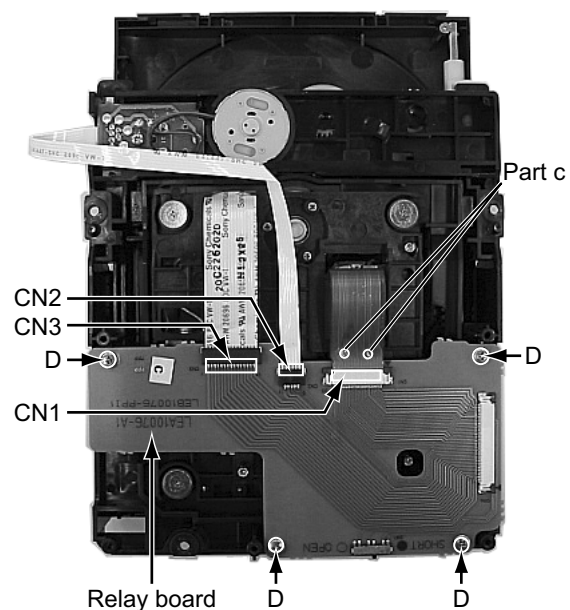
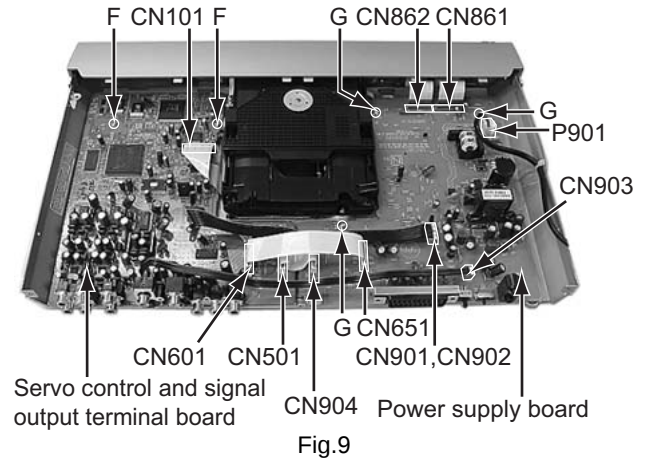
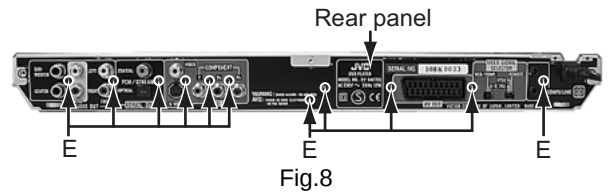


Fig.7

### 3.1.5 Removing the rear panel (See Figure 8, Figure 9)

- Prior to performing the following procedure, remove the top cover.
- (1) Remove the eleven screws **E** attaching the rear panel.
- (2) Disconnect the power cord from connector [P901](#) on the power supply board
- (3) Remove tie band.



### 3.1.6 Removing the servo control and signal output terminal board. (See Figure 9)

- Prior to performing the following procedure, remove the top cover/rear panel.
- (1) Remove the two screws **F** attaching the servo control and signal output terminal board.
- (2) Disconnect the card wire from connector [CN101](#), [CN501](#), [CN601](#) on the servo control and signal output terminal board.
- (3) Disconnect the flat wire from connector [CN901](#), [CN902](#), [CN903](#) on the power supply board.

### 3.1.7 Removing the power supply board. (See Figure 9)

- Prior to performing the following procedure, remove the top cover/rear panel.
- (1) Remove the three screws **G** attaching the power supply board.
- (2) Disconnect the wire from connector [CN901](#), [CN902](#), [CN903](#), [CN904](#), [CN651](#), [CN861](#), [CN862](#) on the power supply board.
- (3) Disconnect the socket wire from socket [P901](#) on the power supply board.

## 3.2 Loading mechanism assembly

### 3.2.1 Removing the tray (See Figure 1, Figure 2, Figure 3, Figure 4, Figure 5, Figure 6)

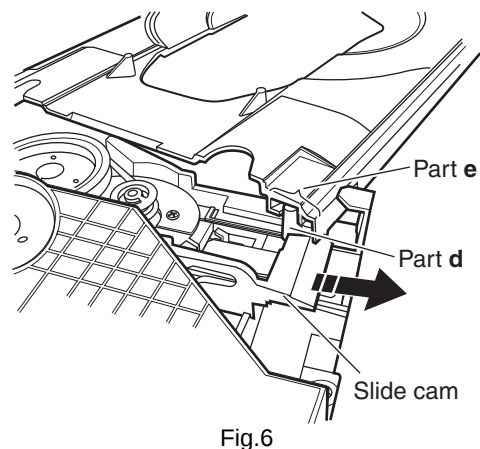
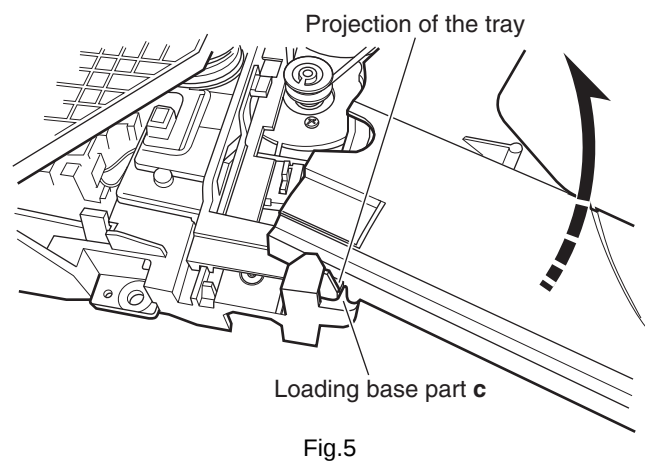
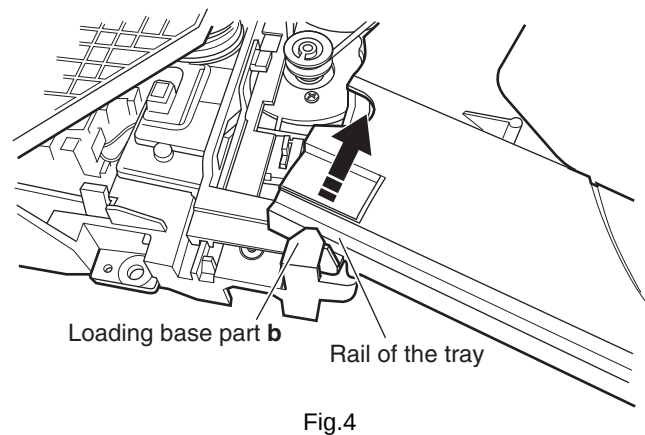
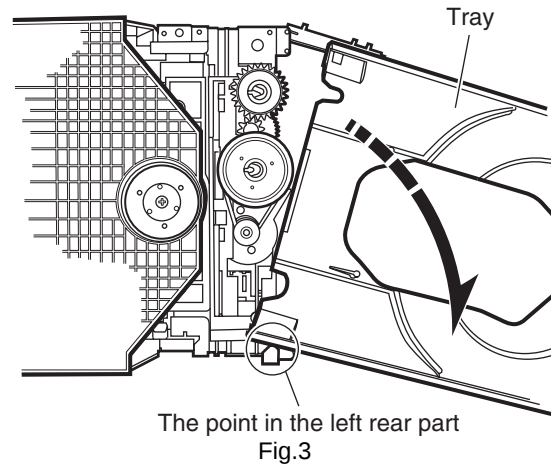
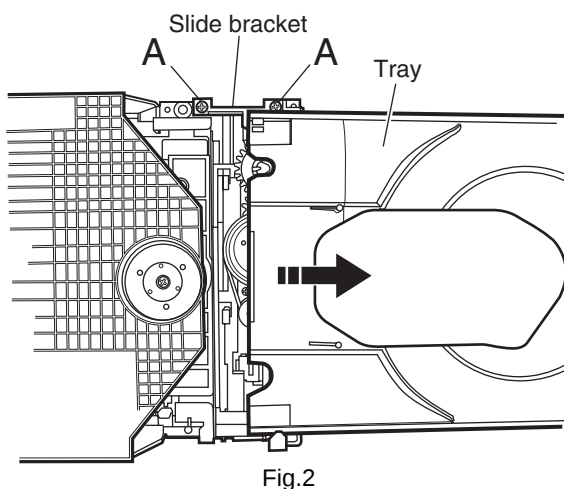
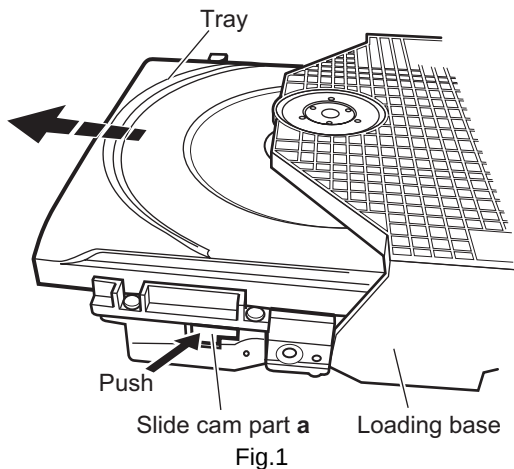
- (1) Push **a** of the slide cam on the hole in the right side of the loading base by using a driver until it stops. (See Figure 1.)
- (2) The tray comes out. Pull the tray in a front direction until it stops.
- (3) Remove the two screws **A** attaching the slide bracket. (See Figure 2.)
- (4) Tilt the tray in a direction of the arrow around the point in the left rear part of the tray. (See Figure 3.)
- (5) The rail of the tray is removed from **b** of the loading base. Then, remove the tray upward. (See Figure 4.)

#### Attaching the tray:

Engage **c** of the loading base to the projection of the tray while tilting the tray to the left. Turn the tray in a direction of the arrow, and attach the slide bracket. (See Figure 5.)

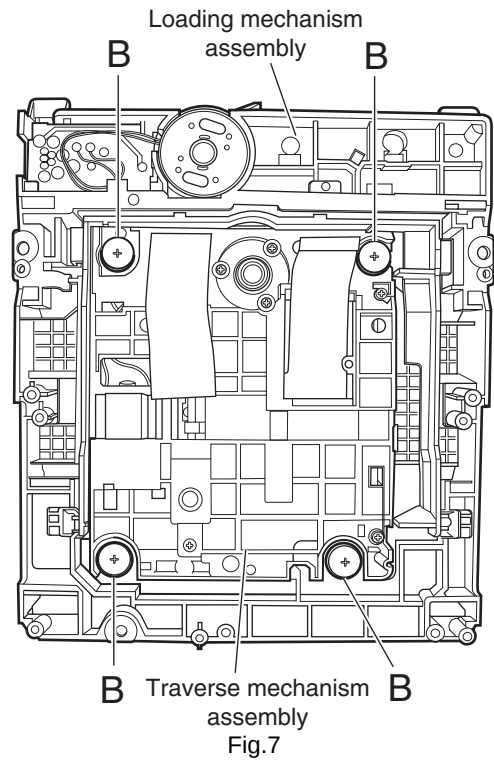
#### Note:

Prior to the procedure above, move the slide cam in a direction of the arrow so that **d** of the slide cam can be inserted in **e** of the tray. (See Figure 6.)



### 3.2.2 Removing the traverse mechanism assembly (See Figure 7)

Reverse the loading mechanism assembly. Remove the four screws **B** attaching the traverse mechanism assembly. Remove the traverse mechanism assembly upward.

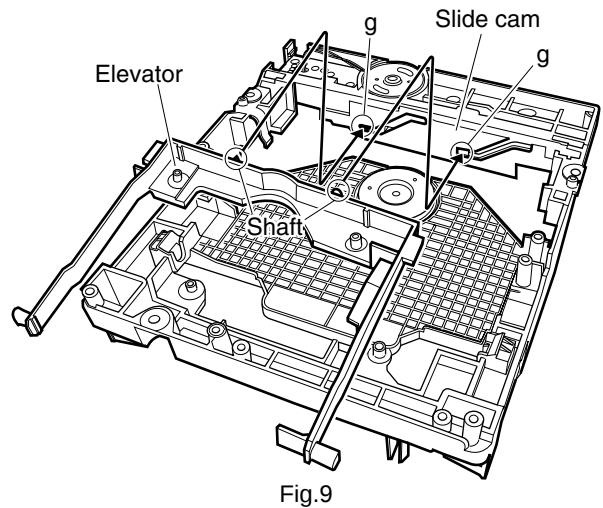
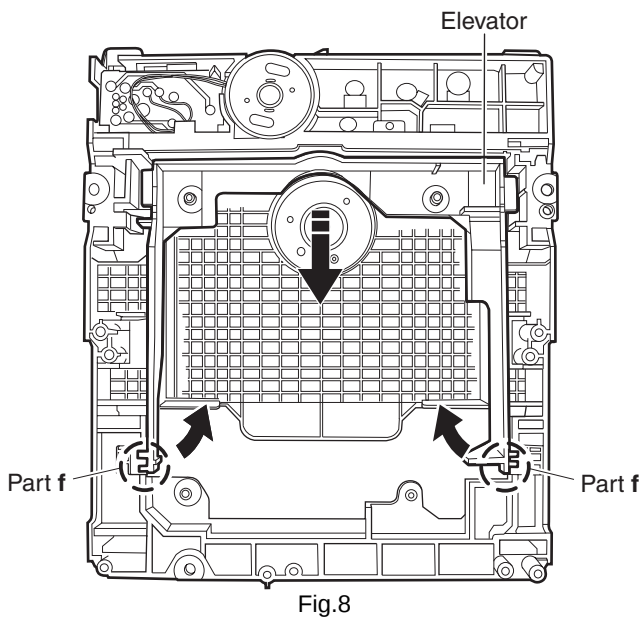


### 3.2.3 Removing the elevator (See Figure 8 and Figure 9)

- Prior to the following procedure, remove the traverse mechanism assembly.
- (1) Remove the two arms of the elevator from the two parts **f** by moving the arms in a direction of the arrow.
- (2) Pull out the elevator in a rear direction.

#### Attaching the elevator:

Engage the two holes **g** to the two shafts on the front part of the elevator. And then, attach the elevator.



### 3.2.4 Removing the loading motor (See Figure 10 and Figure 11)

- Prior to the following procedure, remove the tray, the traverse mechanism assembly, and the elevator.

- (1) Remove the belt from the pulley.
- (2) Remove two screws **C** attaching the loading motor.
- (3) Remove two solders **h** on the switch board.

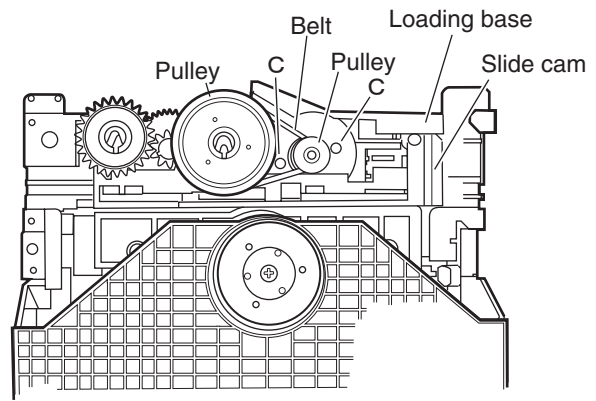


Fig.10

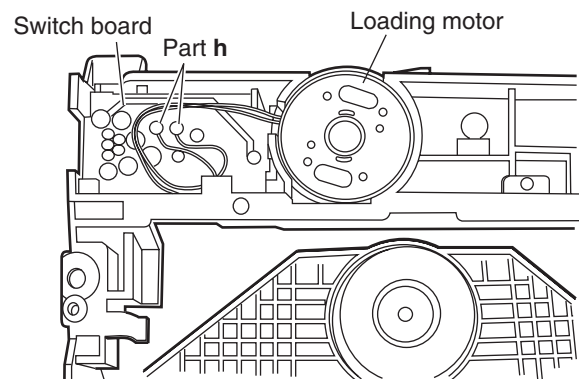


Fig.11

### 3.3 Traverse mechanism assembly

#### 3.3.1 Removing the pickup (See Figure 12, Figure 13, and Figure 14)

- Prior to the following procedure, remove the traverse mechanism assembly.
  - (1) Remove one screw **D** attaching the plate.
  - (2) Remove the plate and the leaf spring.
  - (3) Lift **i** of the shaft **1**, and pull out the shaft **1** from **j**.
  - (4) Remove **k** of the pickup from the shaft **2**.

#### Attaching the pickup:

- (1) Engage **k** of the pickup to the shaft **2**.

**Note:**

As Figure 14 shows, the spring must come under the shaft **2**.

- (2) Insert the shaft **1** in **j**, and attach the shaft 1 to **i**.
- (3) Attach the leaf spring, and then attach the plate. Fix the leaf spring and the plate by using the screw **D**.

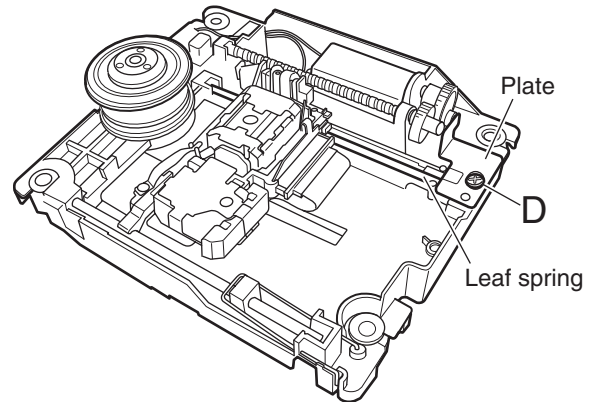


Fig.12

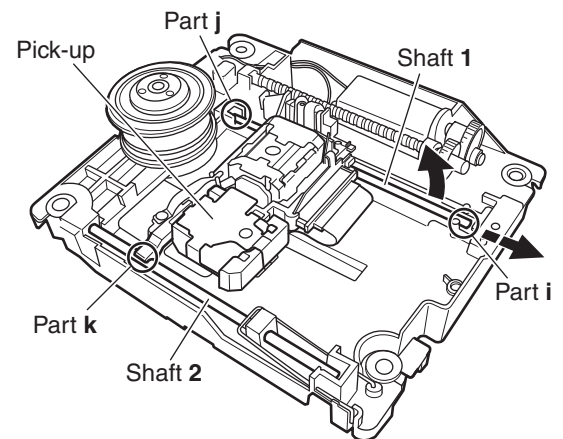


Fig.13

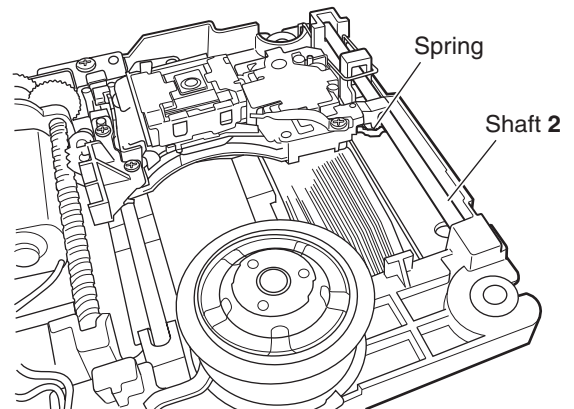


Fig.14

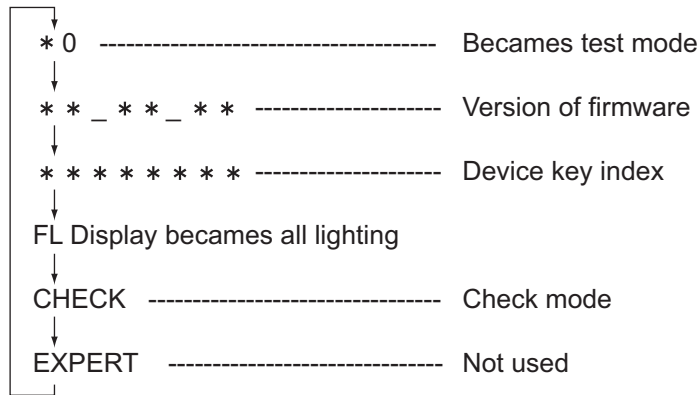
## SECTION 4 ADJUSTMENT

### 4.1 Test mode setting method

- (1) Unplug the power plug.
- (2) Insert power plug into outlet while pressing both "PLAY" key and "STOP" key of the main body.
- (3) The FL display shows "\*0", and the main body turns to test mode. "\*" means the destination, and "0" means parameter adjustment status.
- (4) To release test mode, press "POWER" key of the main body.

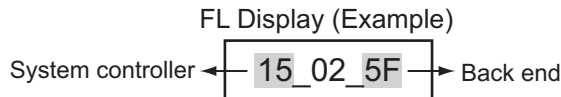
#### NOTE:

Each pressing of "CHOICE" key of the remote controller in test mode changes the mode as follows.



### 4.2 Method of displaying version of firmware

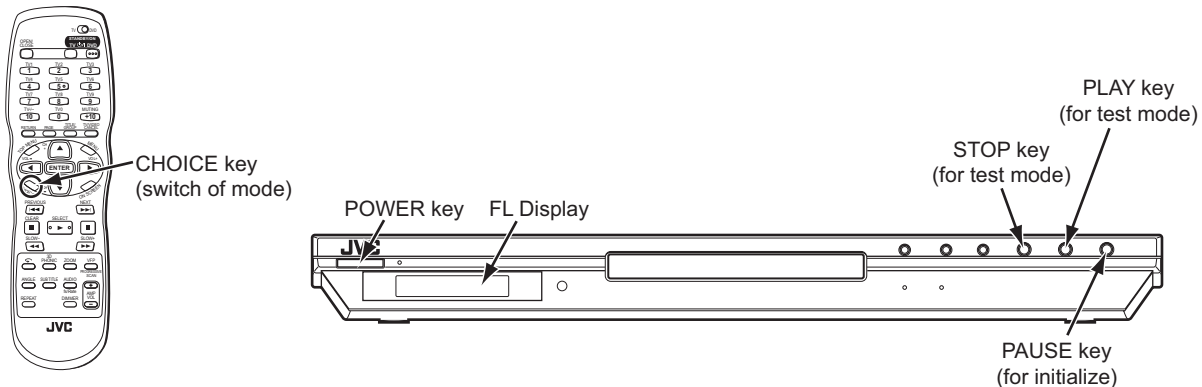
- (1) Set the main body at test mode.
- (2) Press "CHOICE" key of the remote controller once. Then, version number and alphabetical letter of the system controller and the back end are displayed in the FL display as follows:



### 4.3 Initialization method

Please initialize according to the following procedures in the following case:

- Just after you upgrade the firmware.
  - After you confirm the symptoms that a customer points out. First Initialize, and then confirm whether the symptoms are improved or not.
  - After servicing, before returning the main body to a customer. (Initialized main body should be returned to a customer.)
- (1) Set the main body at test mode.
  - (2) Press "PAUSE" key of the main body.
  - (3) When initialization is completed, the FL display changes from "\*0" to "\*00".  
(The left "0" of "00" is not always "0". It shows parameter adjustment status.)



#### 4.4 All-initialization method

Please perform all-initialization according to the following procedures in the following case:

- Just after you exchange the pick-up.
- Just after you exchange the spindle motor.
- Just after you exchange the traverse mechanism base.

**NOTE:**

Please perform all-initialization when you exchange the parts above and also when you remove the parts above.

- Just after the flap adjustment of the pick-up guide shaft

- (1) Set the main body at test mode.
- (2) Press and hold "BACKWARD SKIP" key of the main body for more than 2 seconds.
- (3) When all-initialization is completed, the FL display changes from "\*0" to "\*33".

**NOTE:**

After all-initialization, be sure to perform optimization adjustment of Front End parameter.

#### 4.5 Optimization adjustment of Front End parameter

Adjustment to optimize Front End parameter must be performed in each mechanism assembly of this model for high-speed starting. Please perform optimization according to the following procedures just after all-initialization is completed and when FL display shows anything except "\*0" (For example when FL display shows "\*1", "\*2", and "\*3") at test mode.

- (1) Press "POWER" key of the main body to turn the main body on (not to set the main body at test mode).
- (2) Insert the test disc VT-501 or commercial dual-layer DVD software.
- (3) Remove the disc when the FL display changes from "READING" to disc information.
- (4) Perform the same procedures as in (2) and (3) above by using the test disc CTS-1000 or commercial CD-DA software.
- (5) Set the main body at test mode, and check that the FL display shows "\*0".

**NOTE:**

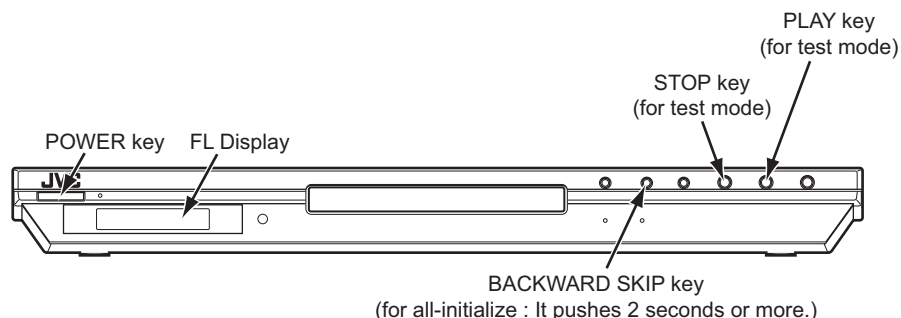
Status of this adjustment can be judged by the number displayed at test mode as follows:

| DVD adjustment | CD adjustment | FL display at test mode |
|----------------|---------------|-------------------------|
| Adjusted       | Adjusted      | *0                      |
| Not adjusted   | Adjusted      | *1                      |
| Adjusted       | Not adjusted  | *2                      |
| Not adjusted   | Not adjusted  | *3                      |

**NOTE:**

As for a disc used for adjustment,

- Disc should be mounted. ("Mounting" means to display "READING" after the disc is inserted and then display the disc information.) Disc need not be played.
- If you do not have test disc either VT-501 (DVD) or CTS-1000 (CD-DA), use a commercial disc (for DVD, dual-layer software) after seeing and checking that the disc is neither curved nor foreseen that it may shake at the time of playback. If you use a disc with bad features, starting time may be slow or disc may not be read.



#### 4.6 Display of current value of laser

- (1) Set the main body at test mode.
- (2) Press "CHOICE" key of the remote controller four times. Then, FL display is displayed "CHECK".
- (3) The laser current value can be switched between the value of CD and that of DVD by pressing the following key of the remote controller.

##### FL Display (Example)

2530 0000

Remote controller "4" key --- Laser of CD

Remote controller "5" key --- Laser of DVD

The number shown in the FL display shows mA of current value of laser.

The first two numbers ("25" in "2530") shows current value of laser at the time of adjustment after the latest all-initialization, 25mA in this example.

The last two numbers ("30" in "2530") shows the present current value of laser, 30mA in this example.

The first two numbers ("25" in "2530") usually shows current value of laser at the time of shipment, so you can see how the product has been deteriorated by comparing the first two numbers ("25" in "2530") and the last two numbers ("30" in "2530").

##### CD:

The laser current value of 49 mA or less is normal.

The laser current value of over 50 mA is not normal. Laser diode of the pickup has been deteriorated.

##### DVD:

The laser current value of 64 mA or less is normal.

The laser current value of over 65 mA is not normal. Laser diode of the pickup has been deteriorated.

To return to test mode, press "STOP" key of the main body.

#### 4.7 Flap adjustment of the pick-up guide shaft

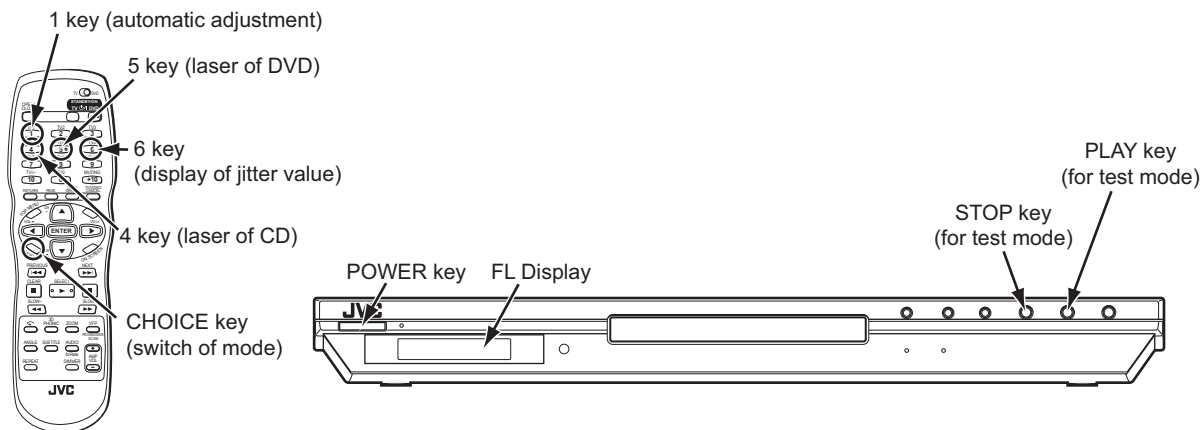
Please perform flap adjustment of the pick-up guide shaft in the following case:

- Just after you exchange the pick-up.
- Just after you exchange the spindle motor.
- Just after you exchange the traverse mechanism base.

##### NOTE:

Please perform flap adjustment of the pick-up guide shaft when you exchange the parts above and also when you remove the parts above.

- When the reading accuracy of the signal is bad (There is a block noise in the screen, Screen stops in the outer circumference of a disc, etc.)



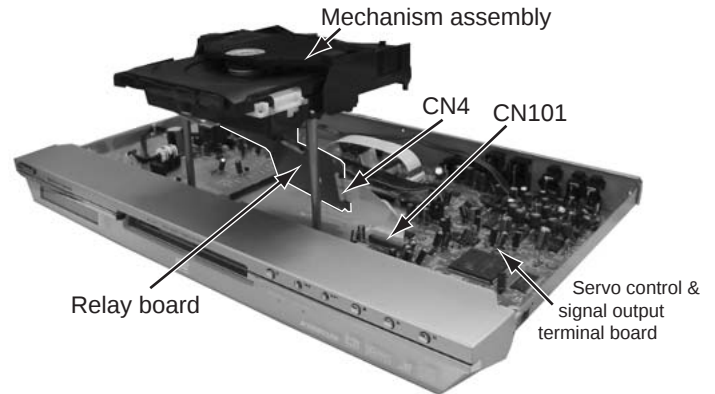
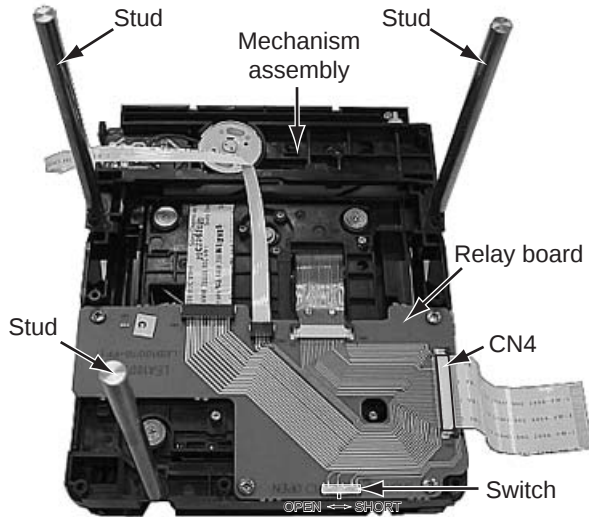
#### 4.7.1 Tool for adjustment

\*Stud: One set (four studs), Part number: JIGXVS40 (Note: One of the four studs is not used here.)



#### 4.7.2 Preparation for adjustment

- (1) See the disassembly procedure, and remove the Mechanism assembly from the main body.
- (2) Remove the relay board attached to the mechanism assembly.  
(If you disconnect the wires connected to the Relay board, connect them again.)
- (3) Attach the three studs to the Mechanism assembly.
- (4) Put the Mechanism assembly in the center of the main body, and connect the 50 pin wire from the connector **CN4** on the Relay board to the connector **CN101** on the Servo control & signal output terminal board.



#### 4.7.3 Adjustment

- (1) Set the unit to test mode.
- (2) Press the "CHOICE" key of the remote controller four times, and the FL display is displayed "CHECK".
- (3) Insert a test disc (VT-501), and press the numeric key "1" of the remote controller for automatic adjustment.
- (4) After a few seconds, press the numeric key "6" of the remote controller. Then, the FL display displays a jitter value.
- (5) Turn the adjustment screws on the underside of the traverse mechanism with phillips screw driver until the **maximum** jitter value is displayed on the FL display. (In this model, a bigger jitter value means a better result.)

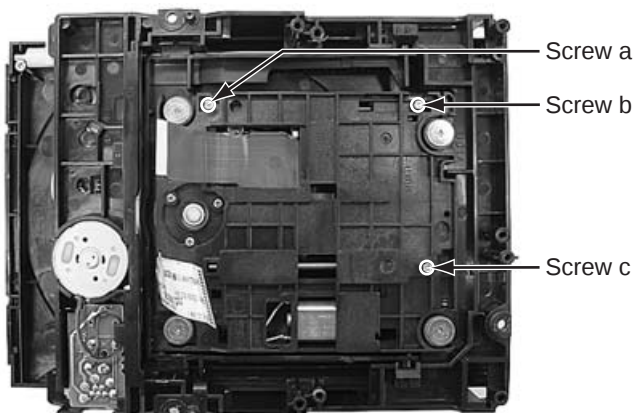
FL Display (Example)

Jitter value → 0810\_3633

#### NOTE:

During operation, the switch on the Relay board should be switched to "OPEN".

Reference values to judge whether the jitter is allowable or not are displayed, instead of actual jitter values.



#### POINT:

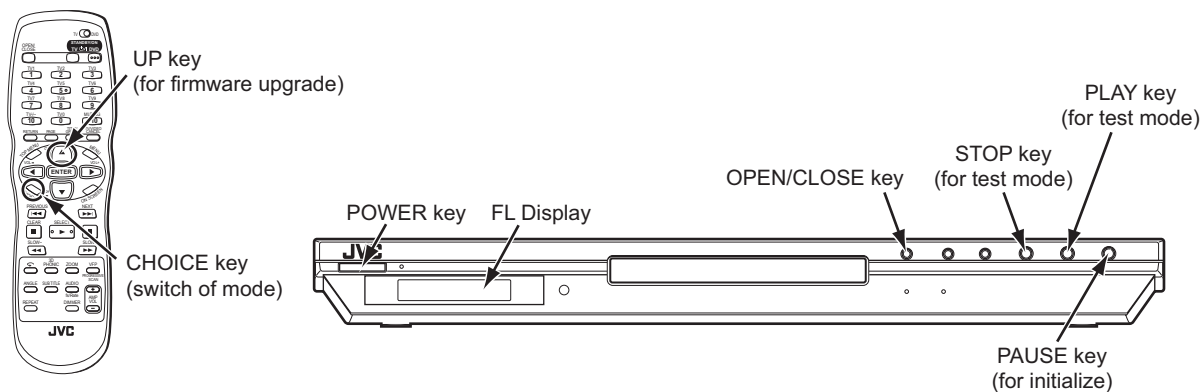
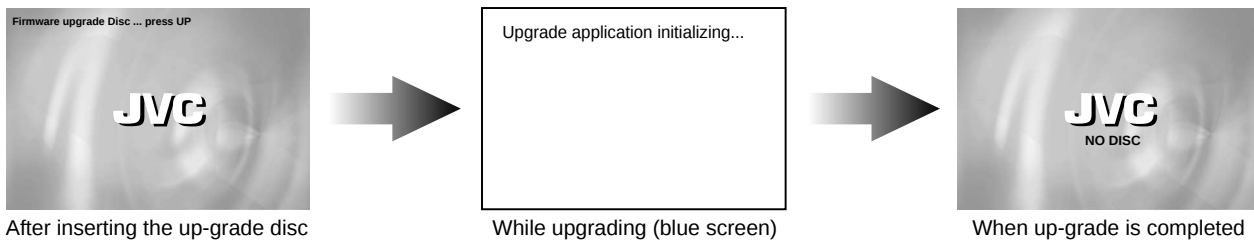
Turn the adjustment screws **a** and **b** to the same angle in the right direction. And turn the adjustment screws **a** and **b** to the same angle in the left direction. Then, turn the screws **a** and **b** in either the right or the left direction to increase the number of jitter. Don't turn the adjustment screw **c**.

## 4.8 Upgrading of firmware

The latest firmware for upgrading is updated in "Optical disc CSG" page in JS-net.

At the time of service, compare the version of the product and the latest version, and upgrade the old version into the latest version.

- (1) Press "POWER" key of the main body to turn the main body on
- (2) Insert the upgrade disc.
- (3) When FL display of the main body changes from "READING" to "UPGRADE", press "cursor UP" key (▲) of the remote controller.
- (4) The entire screen becomes blue, and upgrading starts.
- (5) The tray opens automatically. Remove the upgrade disc.
- (6) The screen returns to the normal screen. Then, press "POWER" key of the main body. When the stand-by indicator is lighted, upgrading is completed.
- (7) Set the main body at test mode, and perform initialization. Then, confirm the version of the firmware.



#### 4.9 Attention when pick-up is exchanged

- (1) Flexible wire, pick-up spring, switch actuator, and lead spring are removed from an old pick-up (broken the one).

**Guide:**

Flexible wire, pick-up spring and switch actuator, lead spring are removed without each decomposing while assembled.

- (2) The above-mentioned parts are installed in a new pick-up (non-defective article).
- (3) A flexible wire is inserted in the connector which has taken side with the pick-up, and solder is put up to short land part "a" two places on a flexible wire.
- (4) The electrostatic breakdown protection circuit attached to the pick-up is cut.

**ATTENTION:**

**Please cut the electrostatic breakdown protection circuit attached to the pick-up after solder is put up to two places on a flexible wire short land part "a" of the insertion of a flexible wire this time in the connector without fail.**

**The procedure might be mistaken and if solder has not surely adhered to two places on a flexible wire short land part "a", the laser diode in the pick-up be destroyed again.**

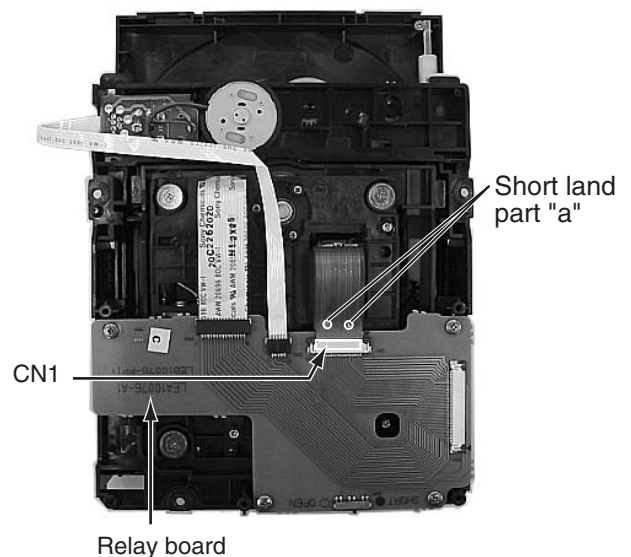
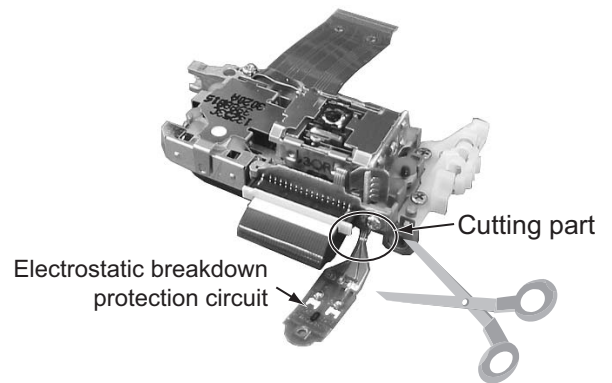
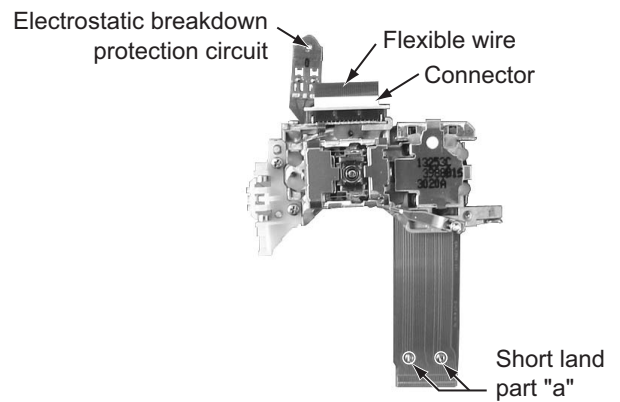
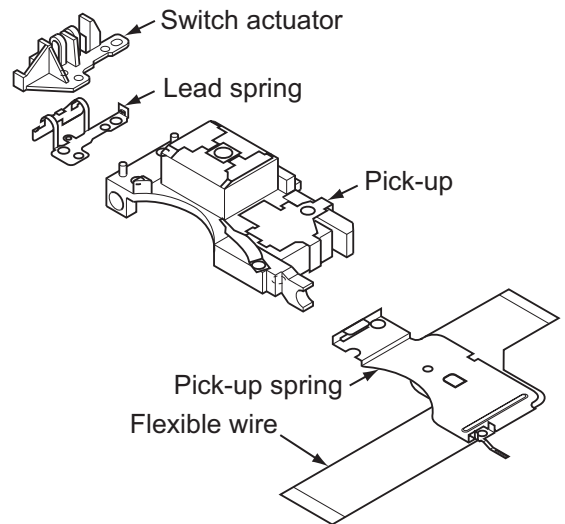
- (5) The pick-up is installed in the traverse mechanism.
- (6) A flexible wire is connected with connector [CN101](#) on the servo control board by installing the traverse mechanism in the loading mechanism.
- (7) Solder in two places on a flexible wire in part "a" is removed.

**ATTENTION :**

**Please remove solder in two places in part "a" after connecting a flexible wire with connector [CN1](#) on the relay board without fail this time.**

**When the procedure is mistaken, the laser diode in the pick-up might be destroyed.**

**Please remove solder in two places in part "a" surely.**



#### 4.10 Confirm method of operation

Please confirm the operation of the undermentioned item after doing the repair and the upgrade of the firmware.

|                                          |                                                                                                                                                |
|------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Initialize</b>                        | Refer to the initialization method.                                                                                                            |
| <b>All-initialize</b>                    | Refer to the All-initialization method.                                                                                                        |
| <b>Parameter adjustment status</b>       | Set the main body at test mode, and check that the FL display shows "*0".                                                                      |
| <b>Opening picture check (Power ON)</b>  | It should be display "JVC"                                                                                                                     |
| <b>Muting working</b>                    | The noise must not be had to the performance beginning when you push "PLAY" button or at ON/STANDBY.                                           |
| <b>FL Display</b>                        | The mark and the logo, etc. displayed by each operation must be displayed correctly. FL Display should light correctly without any unevenness. |
| <b>All Function button</b>               | All function buttons should worked correctly with moderate click feeling.                                                                      |
| <b>Open and close movement of tray</b>   | When press OPEN/CLOSE button the tray should move smoothly without any noise.                                                                  |
| <b>Remote controller unit working</b>    | Check the correctly operation in use of remote controller unit.                                                                                |
| <b>Reading of TOC</b>                    | Be not long in the malfunction.                                                                                                                |
| <b>Search</b>                            | Both forward-searches and backward-searches should be able to be done.<br>Do not stop be searching or after the search.                        |
| <b>Skip</b>                              | Both forward-skip and backward-skip should be able to be done.<br>Do not stop be after the skip.                                               |
| <b>Playback</b>                          | Do not find abnormality etc. of tone quality and the picture quality.                                                                          |
| <b>Most outside TITLE playback check</b> | Play VT-501 TITLE 59 CHAPTER 1 , check normal playback.                                                                                        |

## SECTION 5 TROUBLESHOOTING

### 5.1 Servo volume

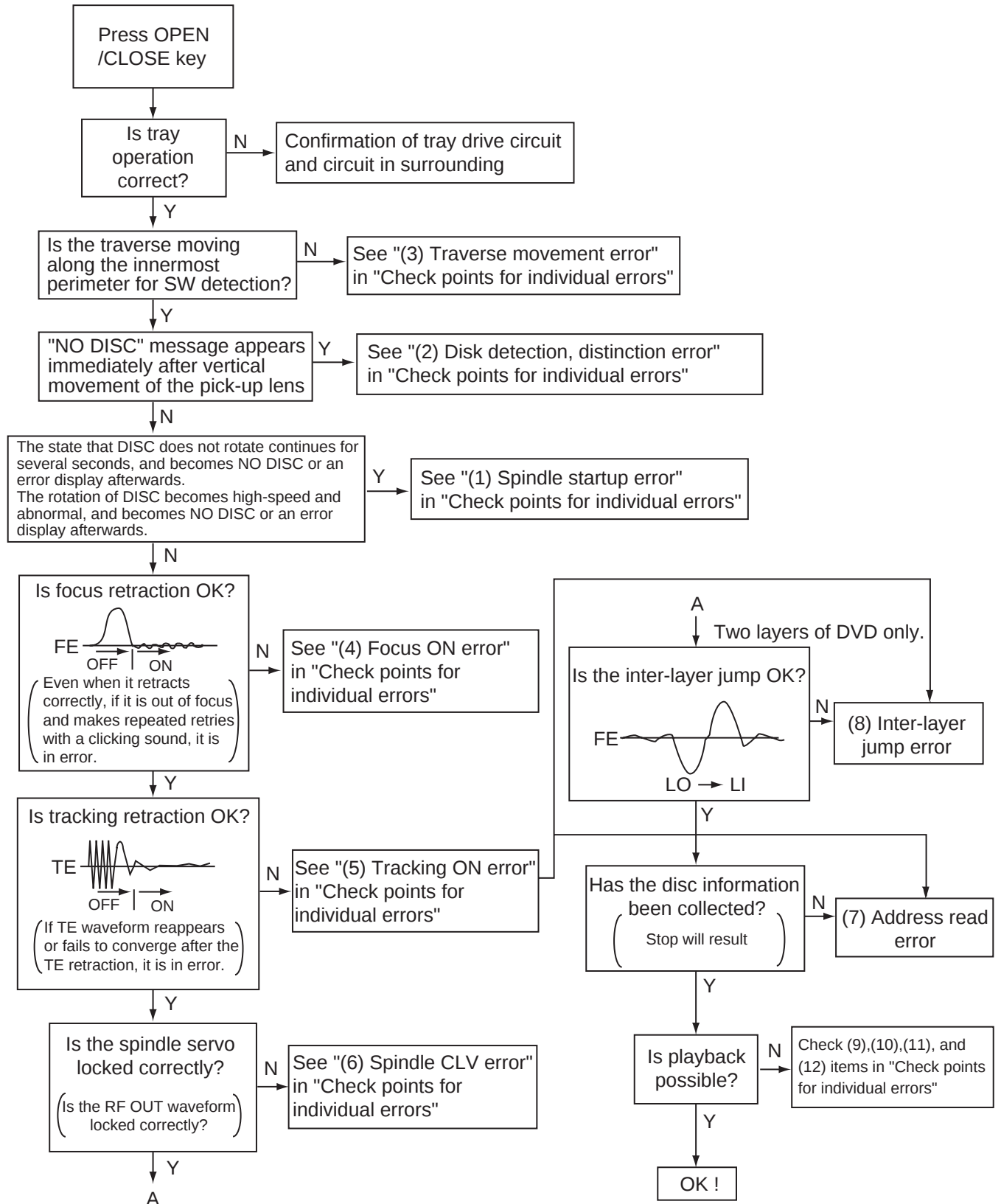


Fig.1

## 5.2 Check points for each error

### 5.2.1 Spindle start error

- (1) Defective spindle motor
  - Are there several ohms resistance between each pin of [CN101](#) "5-6", "6-7", "5-7"?  
(The power supply is turned off and measured.)
  - Is the sign wave of about 100mVp-p in the voltage had from each terminal?  
[ [CN101](#) "9"(H1+), "10"(H1-), "11"(H2+), "12"(H2-), "13"(H3+), "14"(H3-) ]
- (2) Defective spindle motor driver ([IC251](#))
  - Has motor drive voltage of a sine wave or a rectangular wave gone out to each terminal(SM1~3) of [CN101](#) "5,6,7" and [IC251](#) "2,4,7"?
  - Is FG pulse output from the terminal of [IC251](#) "24"(FG) according to the rotation of the motor?
  - Is it "L(about 0.9V)" while terminal of [IC251](#) "15"(VH) is rotating the motor?
- (3) Has the control signal come from servo IC or the microcomputer?
  - Is it "L" while the terminal of [IC251](#) "18"(SBRK) is operating?
  - Is it "H" while the terminal of [IC251](#) "23"(SPMUTE) is operating?
  - Is the control signal input to the terminal of [IC251](#) "22"(EC)?  
(changes from VHALF voltage while the motor is working.)
  - Is the VHALF voltage input to the terminal of [IC251](#) "21"(ECR)?
- (4) Is the FG signal input to the servo IC?
  - Is FG pulse input to the terminal of [IC301](#) "69"(FG) according to the rotation of the motor?

### 5.2.2 Disc Detection, Distinction error (no disc, no RFENV)

- Laser is defective.
- Front End Processor is defective ([IC101](#)).
- APC circuit is defective. --- [Q101](#), [Q102](#).
- Pattern is defective. --- Lines for [CN101](#) - All patterns which relate to pick-up and patterns between [IC101](#)
- [IC101](#) --- For signal from [IC101](#) to [IC301](#), is signal output from [IC101](#) "20" (ASOUT) and [IC101](#) "41"(RFENV) and [IC101](#) "22" (FEOUT)?
- Servo IC is defective ([IC301](#)).

### 5.2.3 Traverse movement NG

- (1) Defective traverse driver
  - Has the voltage come between terminal of [CN101](#) "49" and "50" ?
- (2) Defective BTL driver ([IC201](#))
  - Has the motor drive voltage gone out to [IC201](#) "17" or "18"?
- (3) Has the control signal come from servo IC or the microcomputer?
  - Is it "H" while the terminal of [IC201](#) "9"(STBY1) ?
  - TRSDRV Is the signal input? ([IC301](#) "67")
- (4) TRVSW is the signal input from microcomputer? ([IC301](#) "56")

### 5.2.4 Focus ON NG

- Is FE output ? --- Pattern, [IC101](#)
- Is FODRV signal sent ? ([R209](#)) --- Pattern, [IC301](#) "115"
- Is driving voltage sent ?
- [IC201](#) "13", "14" --- If NG, pattern, driver, mechanical unit .
- Mechanical unit is defective.

### 5.2.5 Tracking ON NG

- When the tracking loop cannot be drawn in, TE shape of waves does not settle.
- Mechanical unit is defective.  
Because the self adjustment cannot be normally adjusted, the thing which cannot be normally drawn in is thought.
- Periphery of driver ([IC201](#))  
Constant or IC it self is defective.
- Servo IC ([IC301](#))  
When improperly adjusted due to defective IC.

#### 5.2.6 Spindle CLV NG

- [IC101](#) -- "30"(ARF-), "31"(ARF+).
- Does not the input or the output of driver's spindle signal do the grip?
- Has the tracking been turned on?
- Spindle motor and driver is defective.
- Additionally, "[IC101](#) and [IC301](#)" and "Mechanism is defective(jitter)", etc. are thought.

#### 5.2.7 Address read NG

- Besides, the undermentioned cause is thought though specific of the cause is difficult because various factors are thought.  
Mechanism is defective. (jitter)  
[IC301](#)  
The disc is dirty or the wound has adhered.

#### 5.2.8 Between layers jump NG (double-layer disc only)

Mechanism defective  
Defect of driver's IC([IC201](#))  
Defect of servo control IC([IC301](#))

#### 5.2.9 Neither picture nor sound is output

(1) It is not possible search

- Has the tracking been turned on?
- To "(5) Tracking ON NG" in "Check points for each error" when the tracking is not normal.
- Is the feed operation normal?  
To "(3) traverse movement NG" in "Check points for each error" when it is not normal.  
Are not there caught of the feeding mechanism etc?

#### 5.2.10 Picture is distorted or abnormal sound occurs at intervals of several seconds.

Is the feed operation normal?  
Are not there caught of the feeding mechanism etc?

#### 5.2.11 Others

- The image is sometimes blocked, and the image stops.
- The image is blocked when going to outer though it is normal in surroundings in the disk and the stopping symptom increases.  
  
There is a possibility with bad jitter value for such a symptom.

#### 5.2.12 CD During normal playback operation

(1) Is TOC reading normal?

- Displays total time for CD-DA.
- Shifts to double-speed mode for V-CD

(2) Is playback afterwards possible?

(3) When can not do a normal playback

- --:-- is displayed during FL search.  
According to [It is not possible to search ] for DVD(9), check the feed and tracking systems.
- No sound is output although the time is displayed.(CA-DA)  
DAC, etc, other than servo.
- The passage of time is not stable, or picture is abnormal.(V-CD)
- The wound of the disc and dirt are confirmed.



VICTOR COMPANY OF JAPAN, LIMITED  
AV & MULTIMEDIA COMPANY OPTICAL DISC CATEGORY 1644, Shimotsuruma, Yamato, Kanagawa 242-8514, Japan

(No.XA011)



Printed in Japan  
WPC

# JVC

## SCHEMATIC DIAGRAMS

### DVD AUDIO/VIDEO PLAYER

## XV-NA70BK, XV-NA77SL

CD-ROM No.SML200310



#### Area Suffix (XV-NA70BK)

J ----- U.S.A.  
C ----- Canada

#### Area Suffix (XV-NA77SL)

J ----- U.S.A.  
C ----- Canada  
B ----- U.K.  
E ----- Continental Europe  
EN ----- Northern Europe  
EV ----- Eastern Europe  
EE ----- Russian Federation  
A ----- Australia  
UF ----- China  
UJ ----- U.S.A.Military  
US ----- Singapore  
UW ----- Brazil, Mexico, Peru

**DVD**  
AUDIO/VIDEO

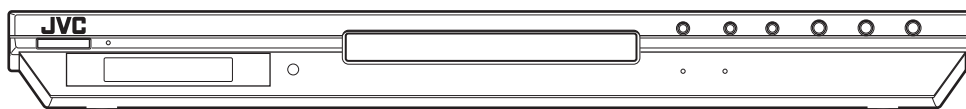
**DOLBY**  
DIGITAL

**3D**  
PHONIC

**DIGITAL**  
**dts**  
SURROUND

**COMPACT**  
**disc**  
SUPER VIDEO

**AV COMPU LINK**



### Contents

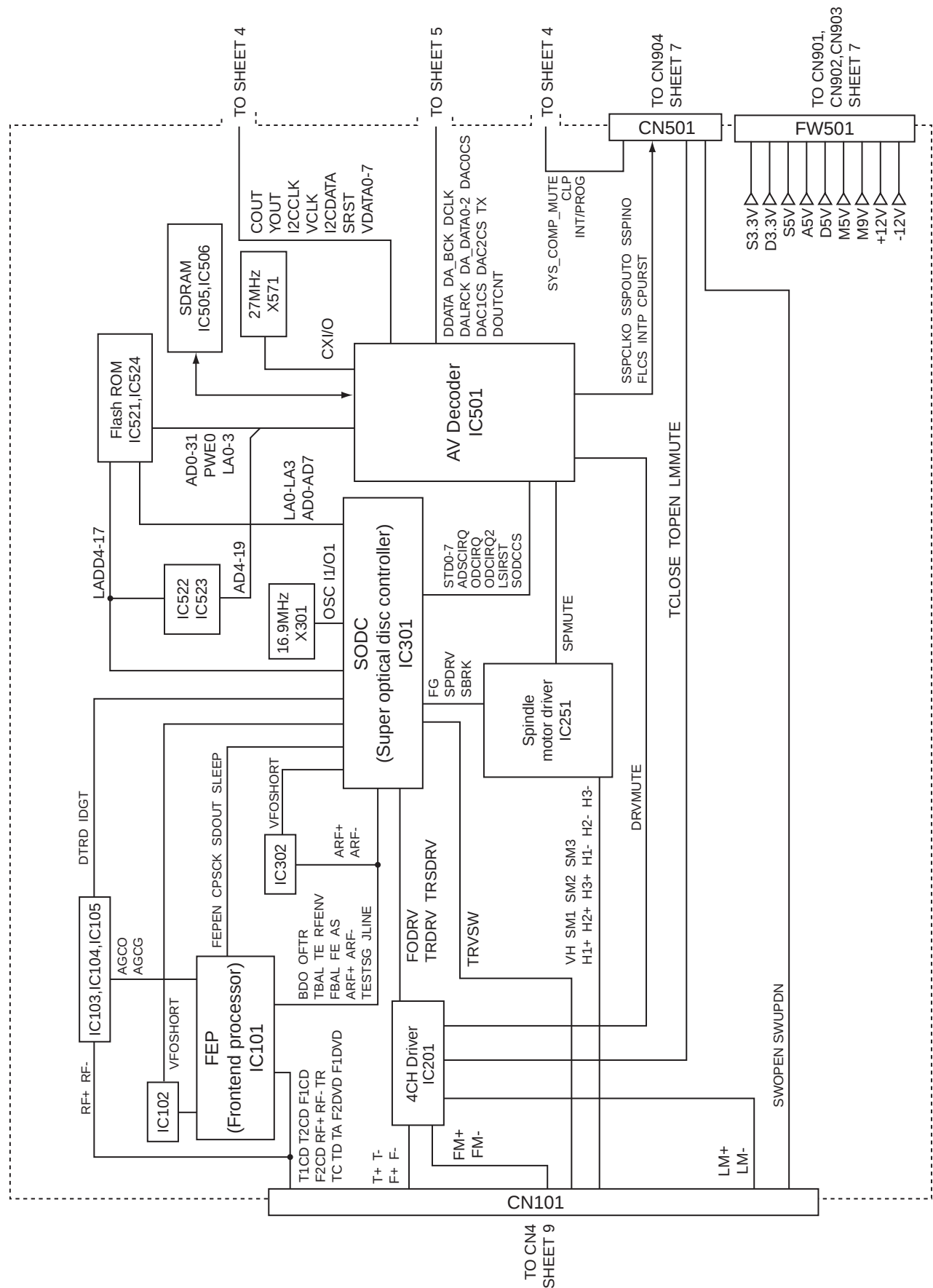
|                                   |      |
|-----------------------------------|------|
| Safety precaution .....           | 2-2  |
| Block diagrams .....              | 2-3  |
| Standard schematic diagrams ..... | 2-8  |
| Printed circuit boards .....      | 2-26 |

### ***Safety precaution***

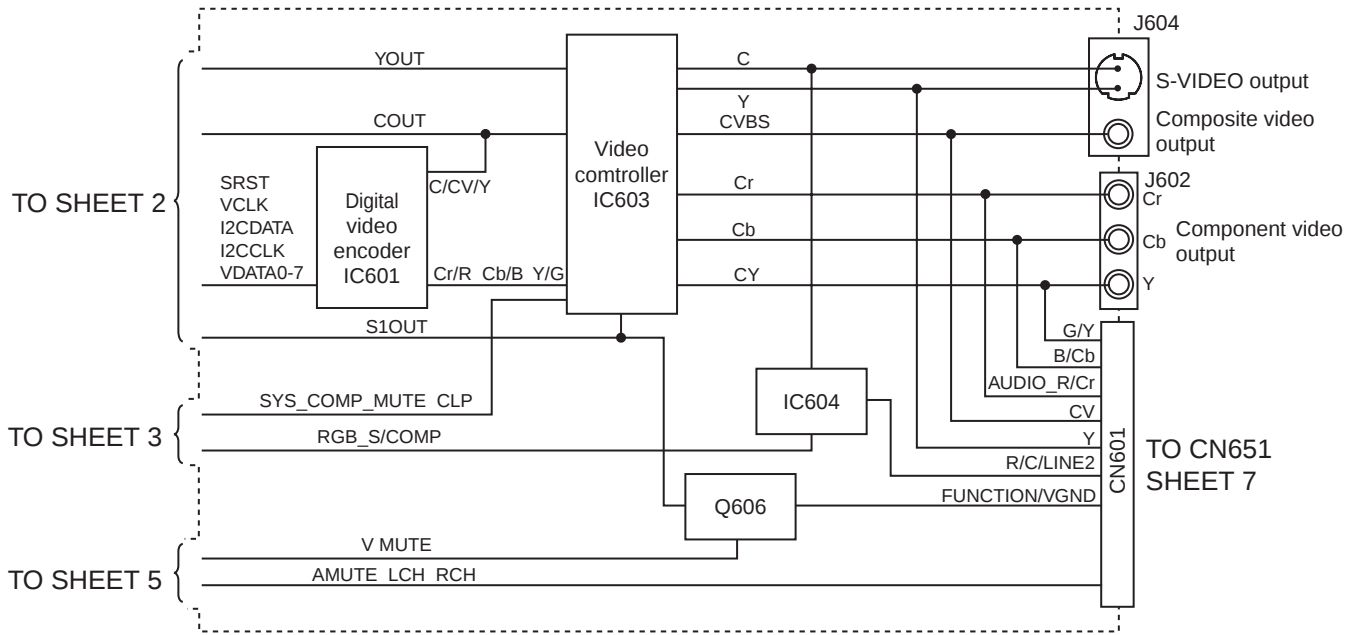
In regard with component parts appearing on the silk-screen printed side (parts side) of the PWB diagrams, the parts that are printed over with black such as the resistor (■), diode (⬤) and ICP (●) or identified by the "⚠" mark nearby are critical for safety. When replacing them, be sure to use the parts of the same type and rating as specified by the manufacturer. (Except the JC version)

# Block diagrams

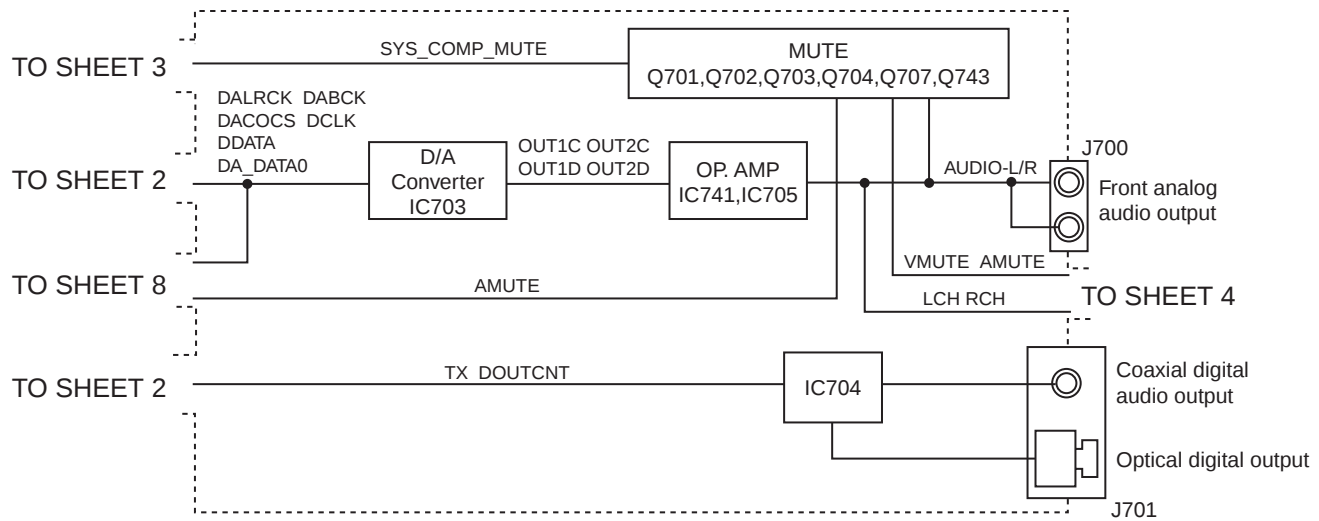
## ■ DVD Servo control & AV decoder section (SHEET 1,2,3)



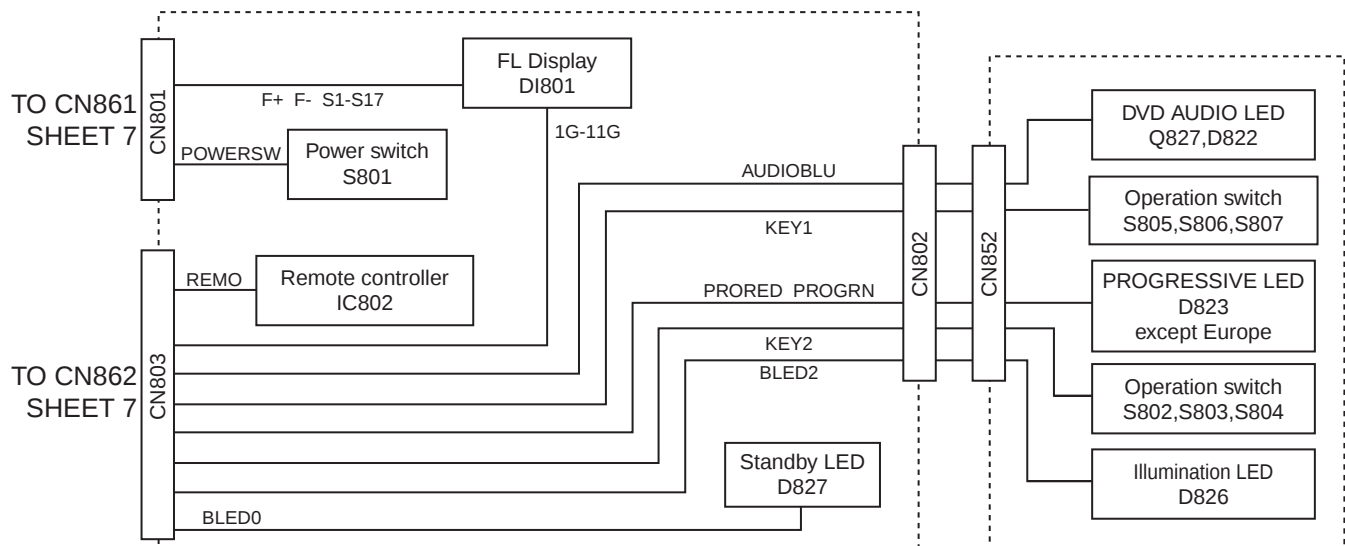
## ■ Video signal control and output terminal section (SHEET 4)



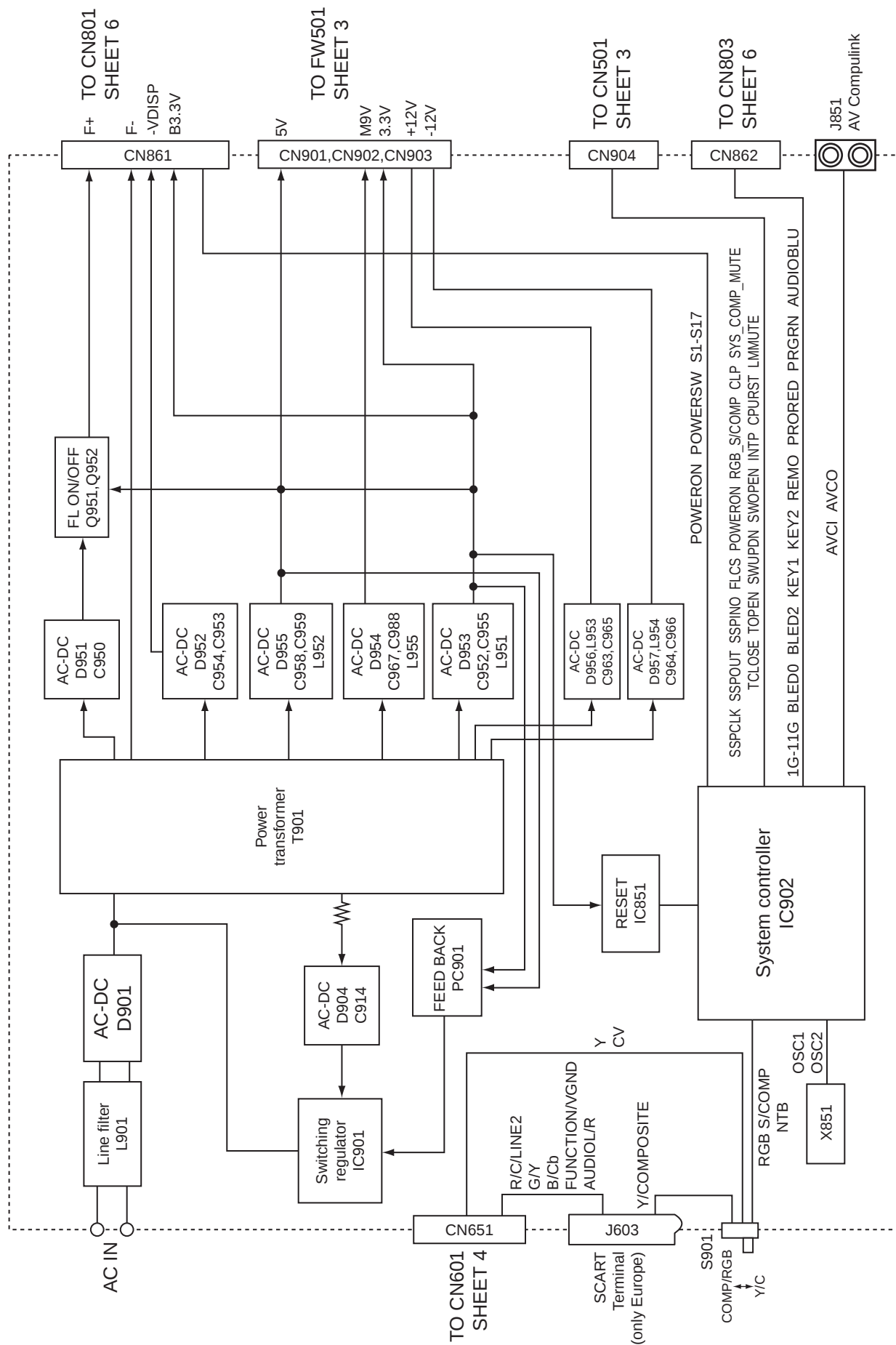
## ■ Audio signal output terminal section (SHEET 5)



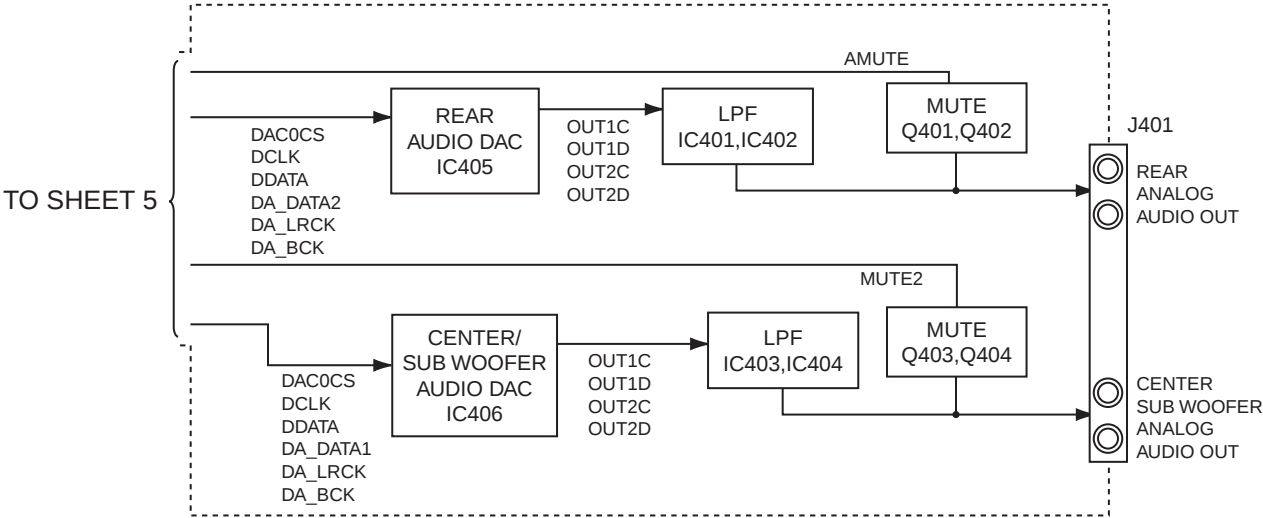
## ■ FL Display and operation switch section (SHEET 6)



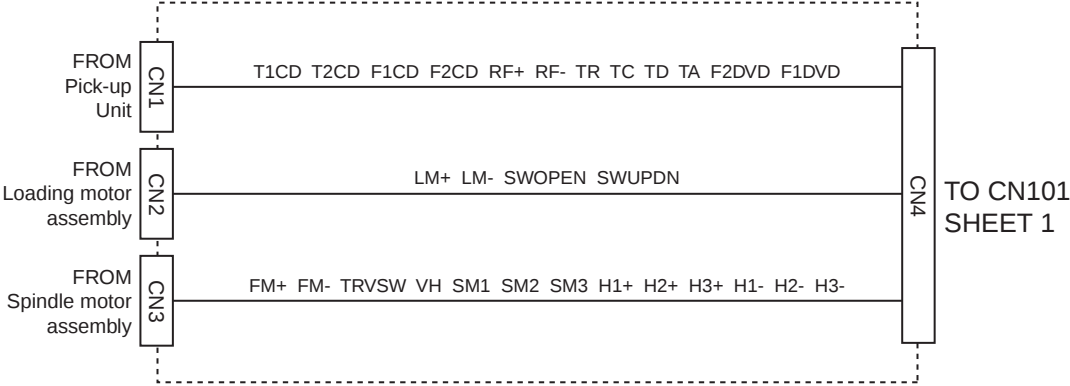
# ■ Power supply and system controller section (SHEET 7)



■ Surround audio signal output terminal section (SHEET 8)



■ Relay board section (SHEET 9)



<< MEMO >>

### ■ Servo control section





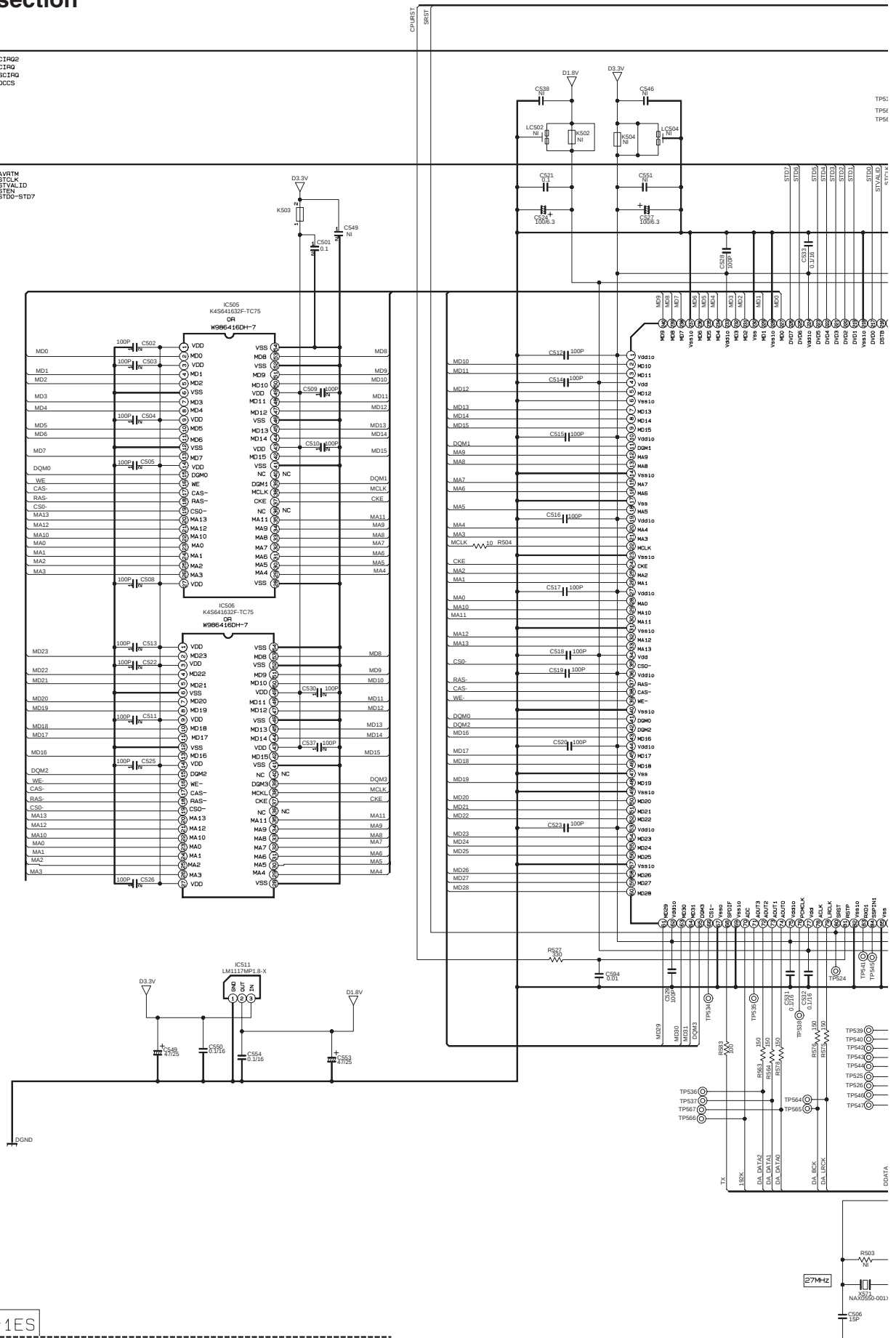
# ■ AV Decoder section

TO SHEET 1

00C1P02  
00C1P03  
A00C1P03  
S00C0C5

TO SHEET 1

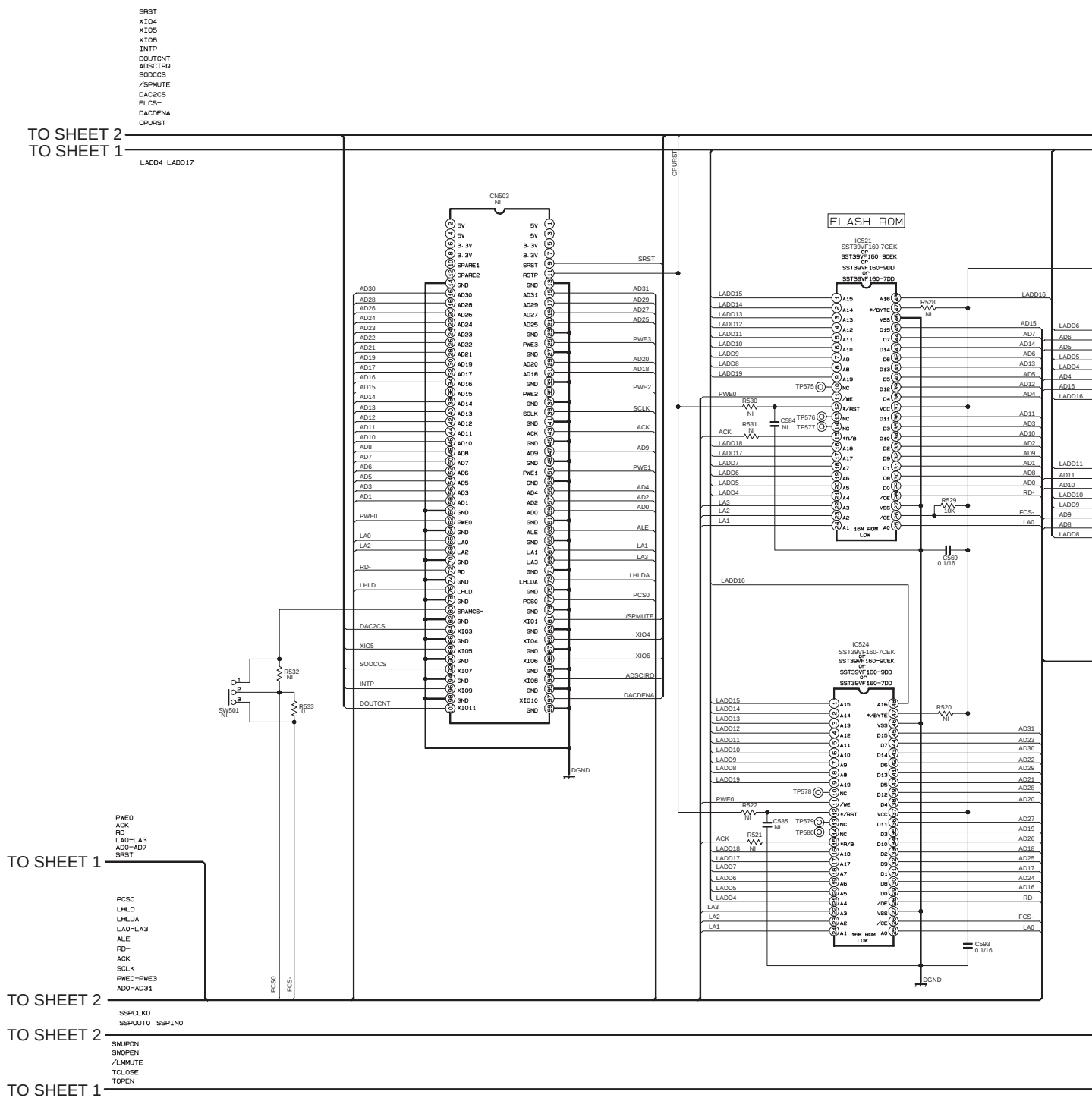
AVRTM  
STCLK  
STVALD  
STEN  
STDO-STD7



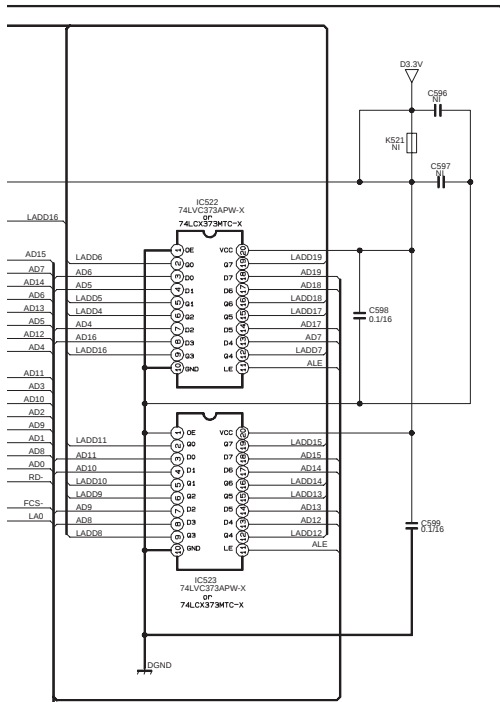
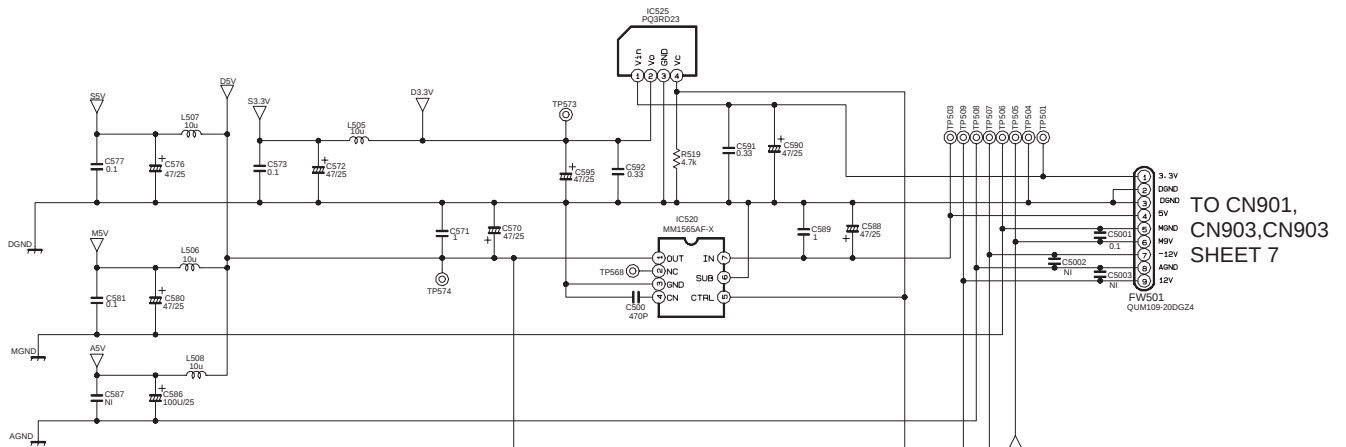
GNA10017-1ES



### ■ FLASH-ROM section



GNA10017-1ES

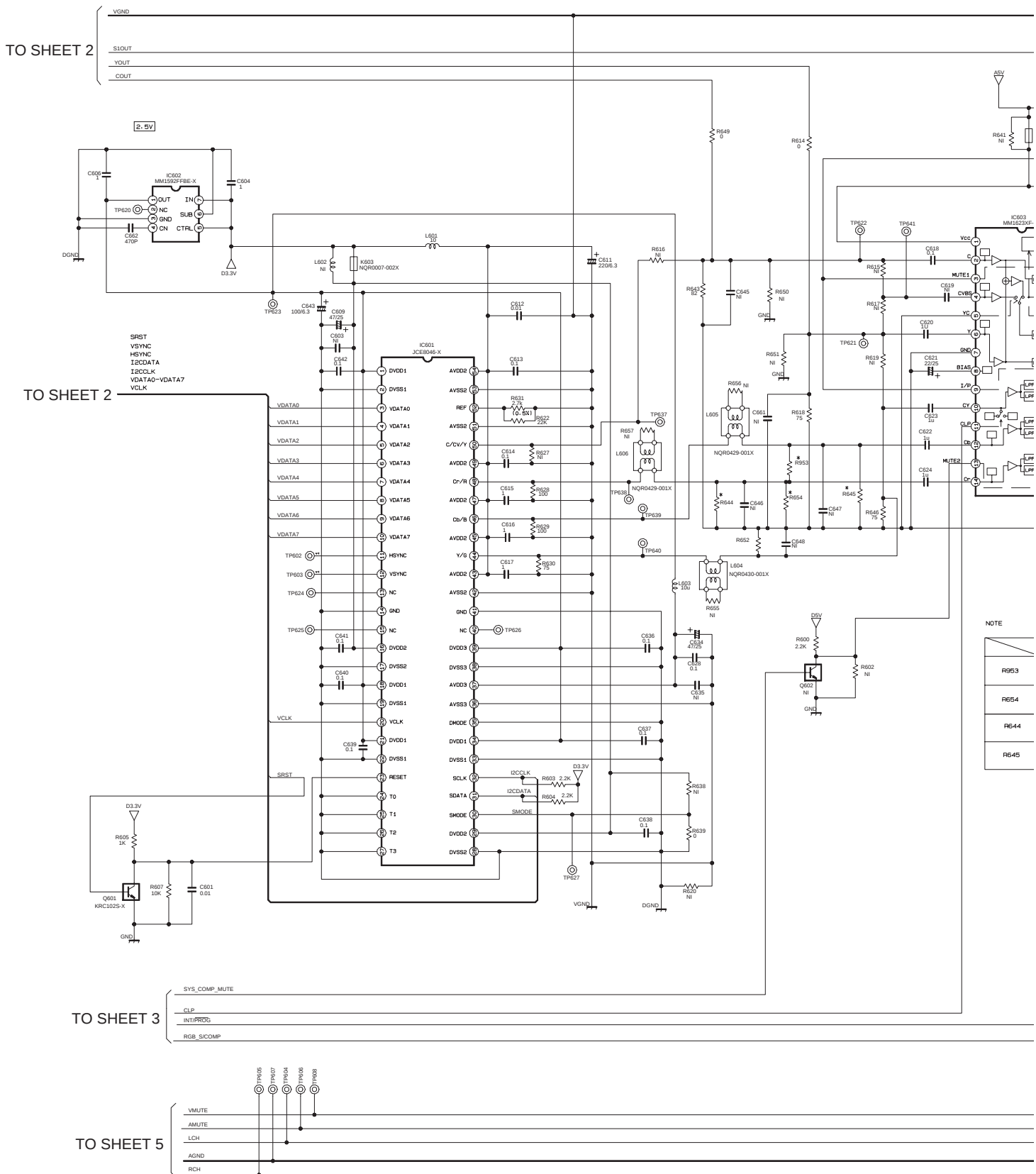


XV-NA70BK/77SL/A77/A77T

SHEET 3

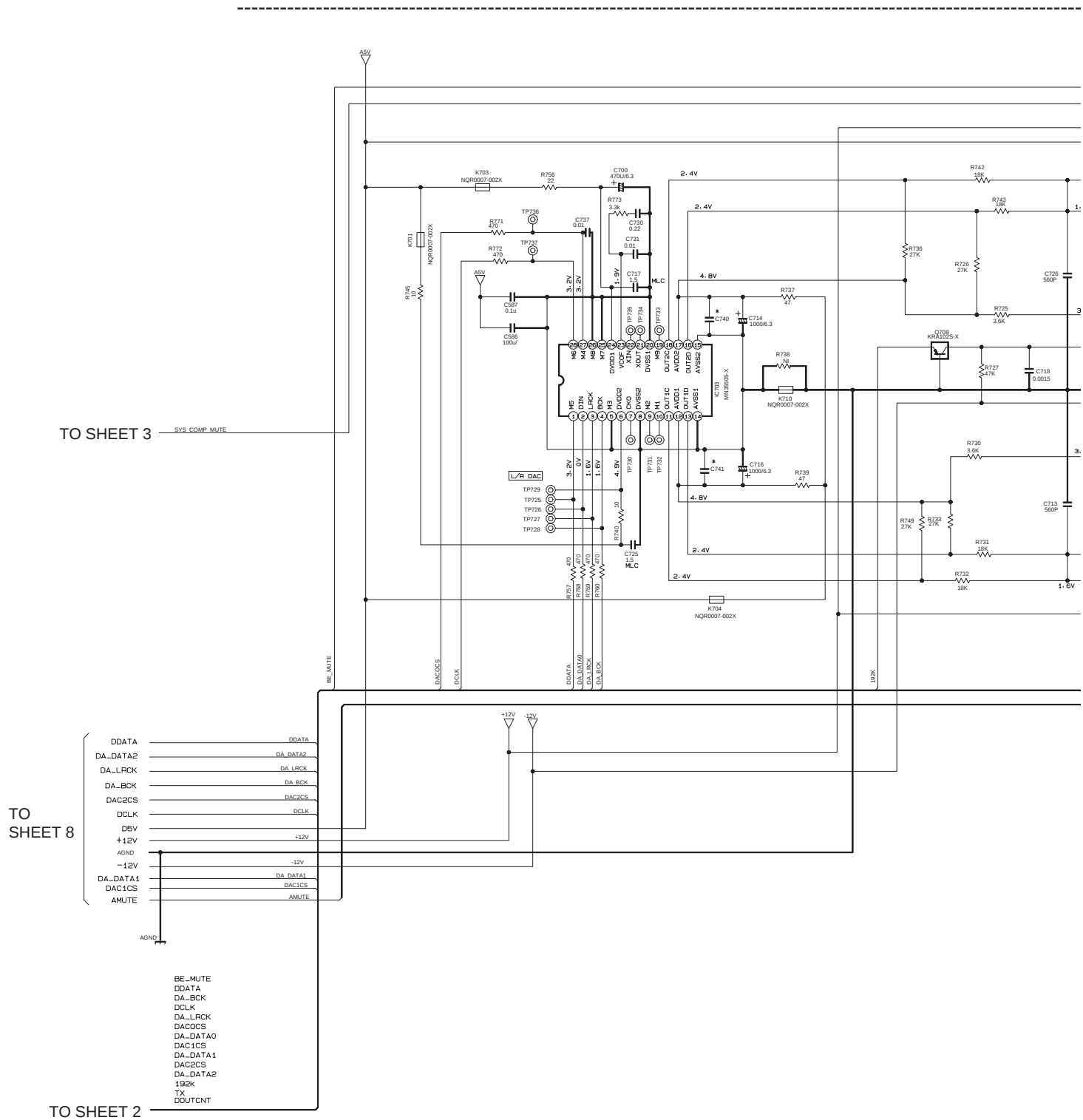
(No.XA011SCH) 2-13

## ■ Video signal control and output terminal section

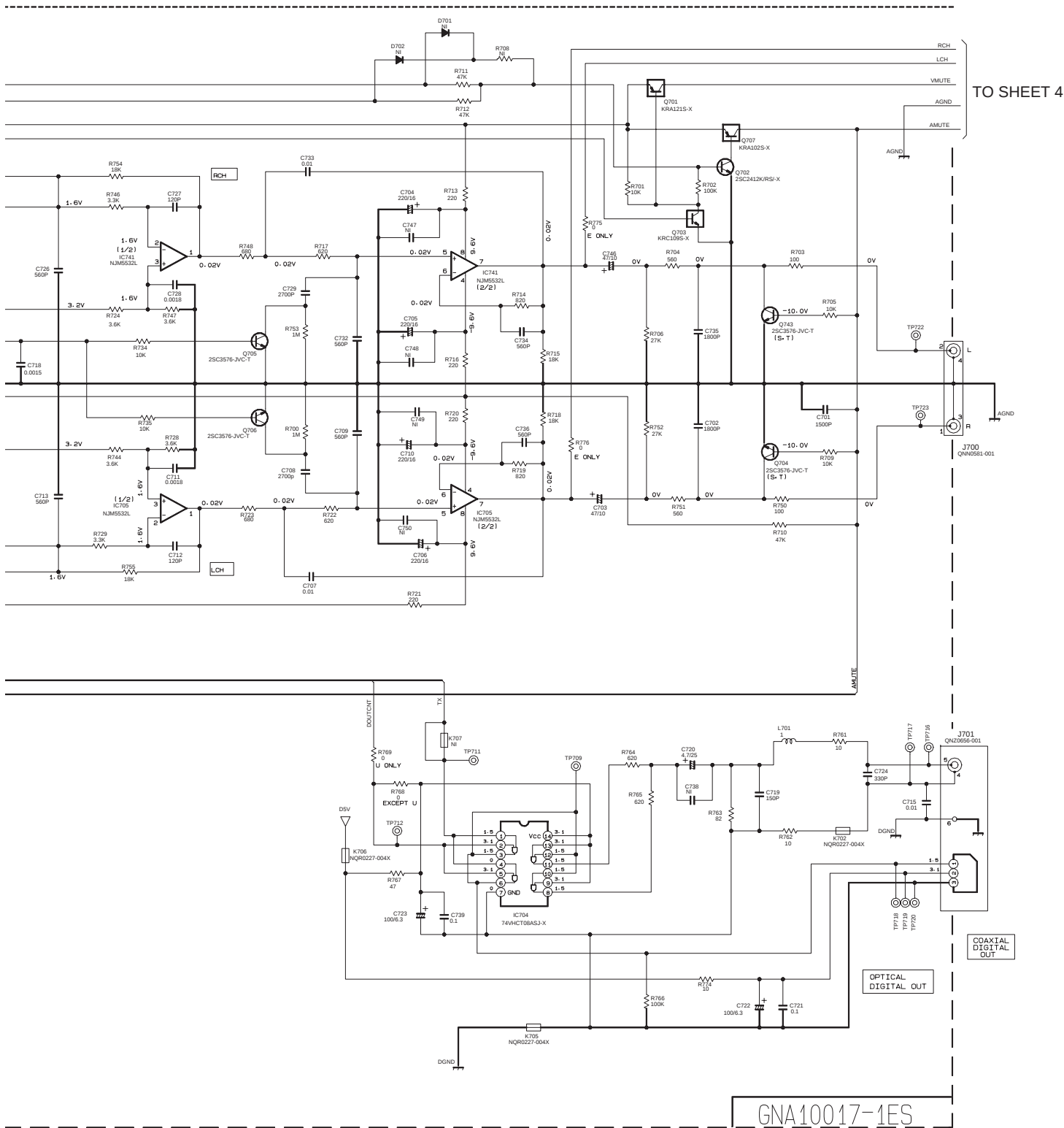




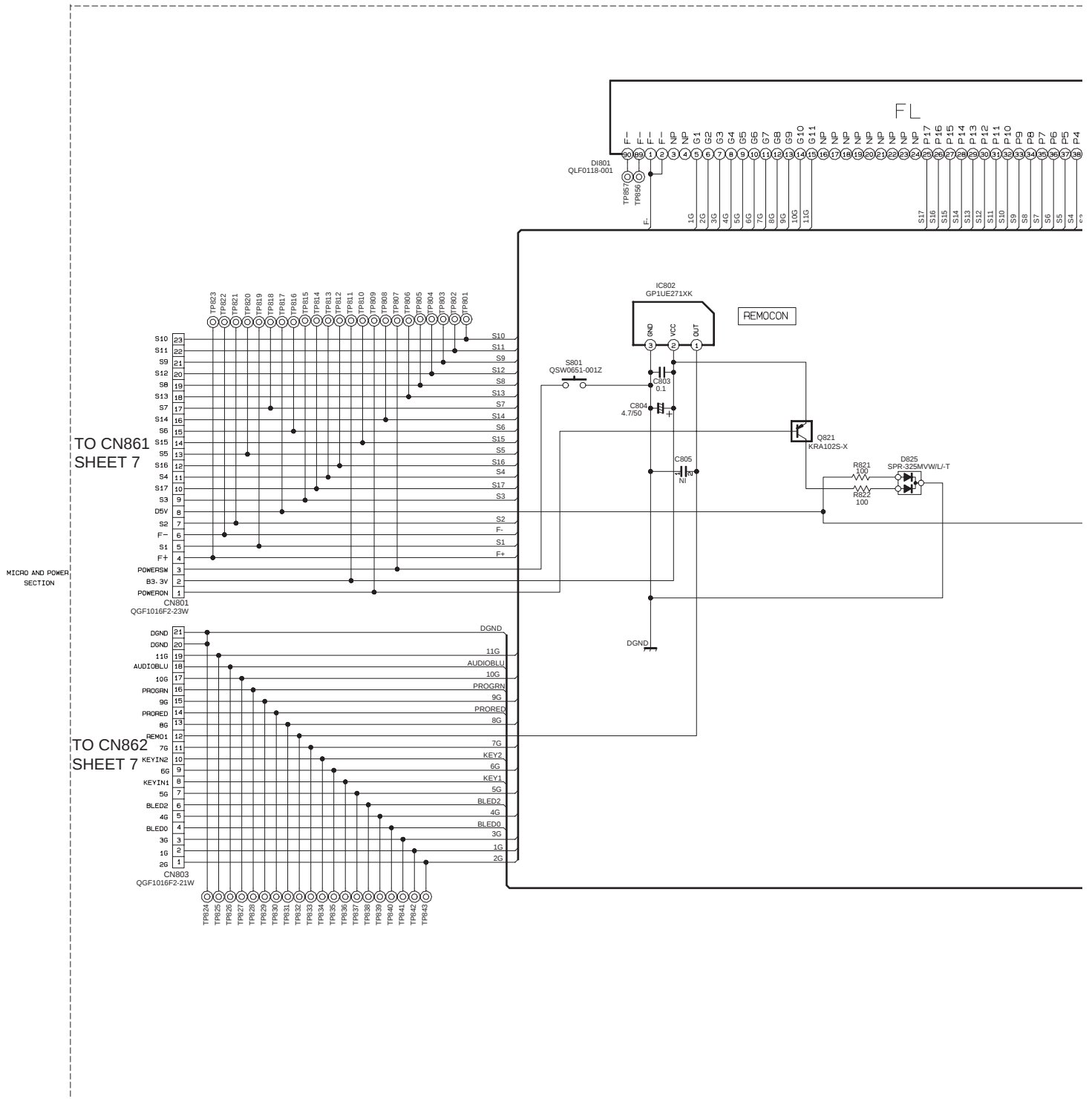
■ Audio signal output terminal section

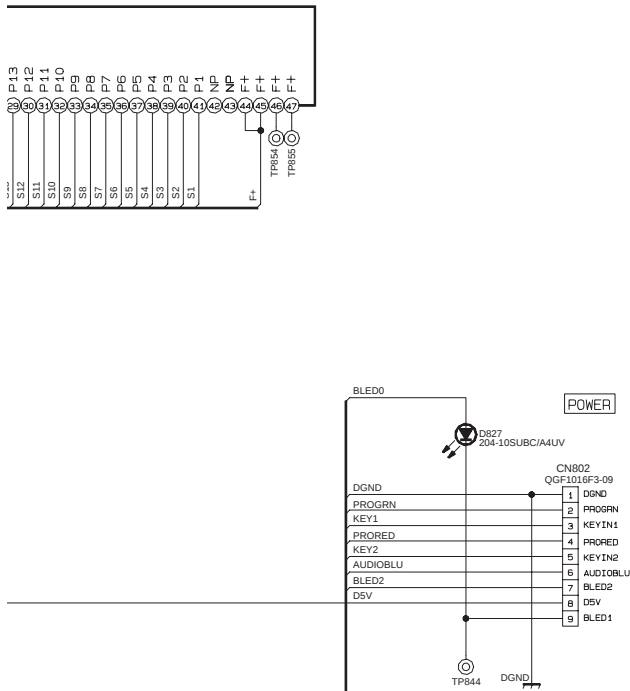


| VER  | D  | OTHER   |
|------|----|---------|
| REF  | NO | VERSION |
| C740 | N1 | 1.5U    |
| C741 | N1 | 1.5U    |

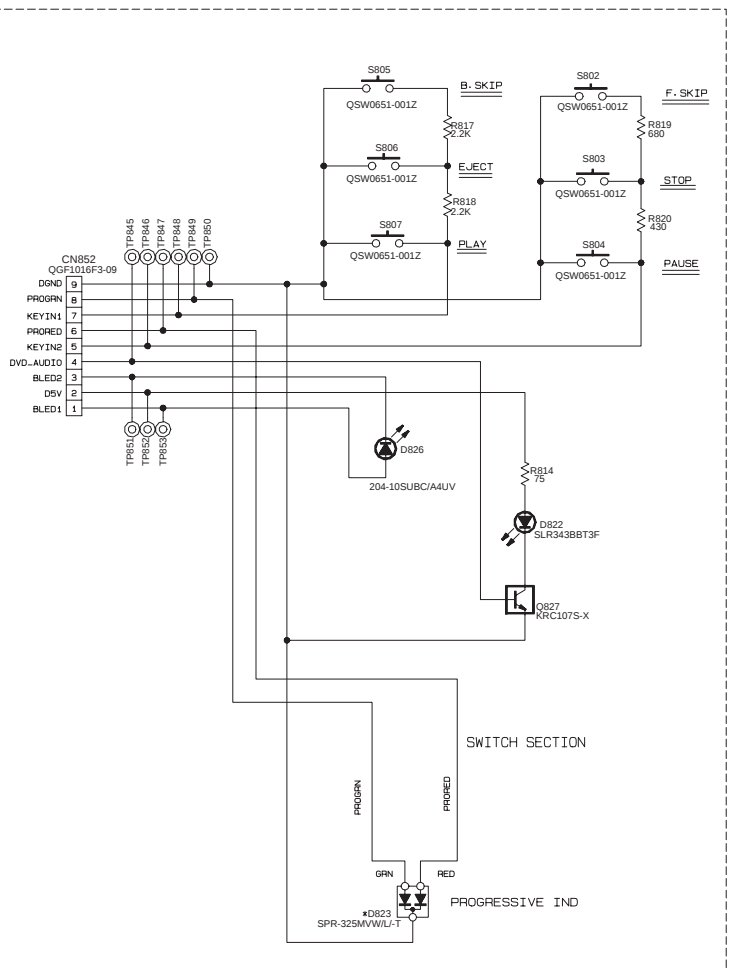


## FL Display and operation switch section





GNA10017-2ES



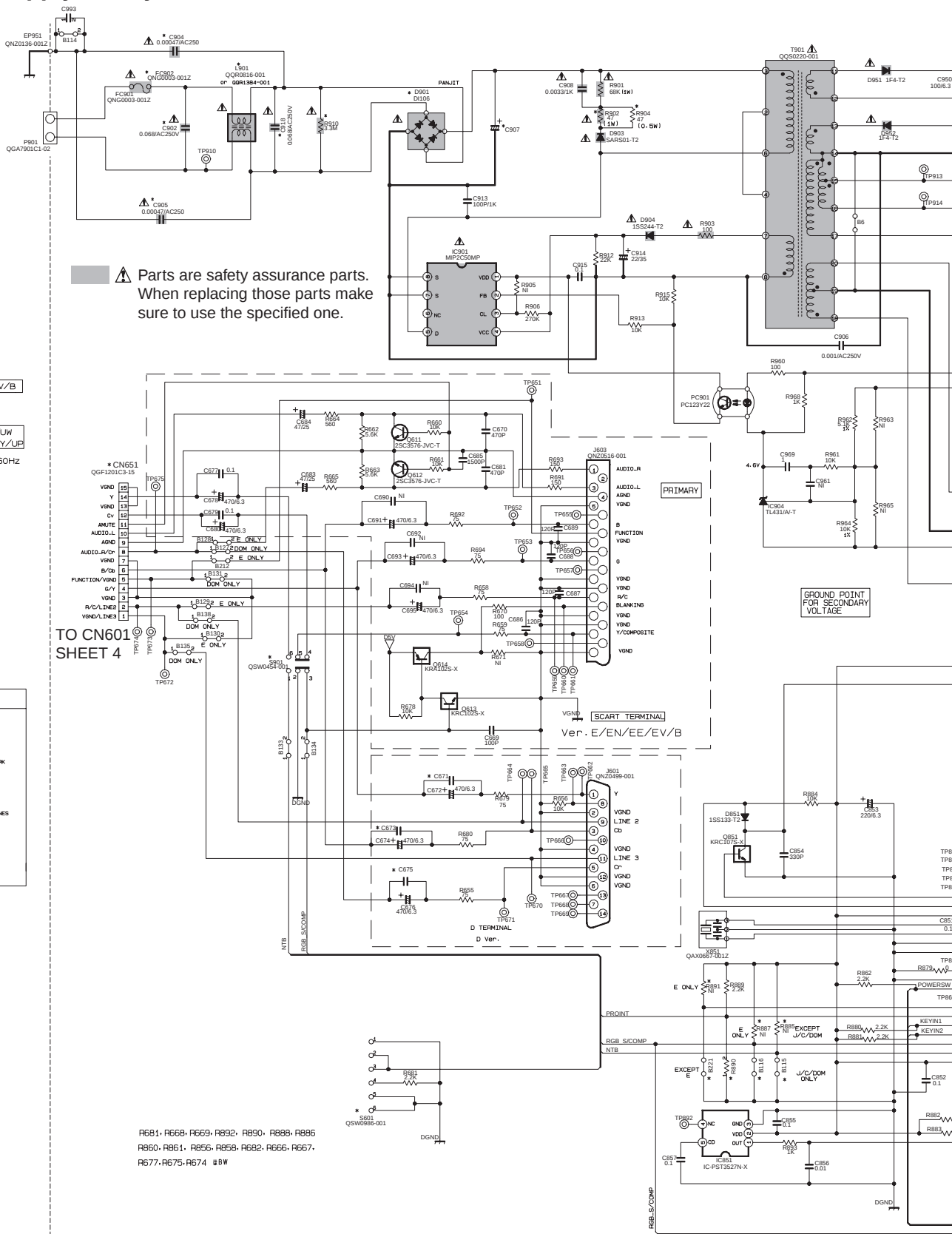
GNA-2B-ES

SHEET 6

XV-NA70BK/77SL/A77/A77T

(No.XA011SCH) 2-19

## ■ Power supply and system controller section



| NOTE |     |                              |                              |                              |
|------|-----|------------------------------|------------------------------|------------------------------|
| REF. | Ver | J/C DOM                      | B/E/EN/VE/EE                 | UF/US/UJ/UN/UA               |
| F901 |     | GMF5U1-1R6~J1<br>T1. 6A-125V | GMF5I2-1R6~J1<br>T1. 6A-250V | GMF5I2-1R6~J1<br>T1. 6A-250V |
| C307 |     | 100/200                      | 6B/400                       | 6B/400                       |
| R902 |     | NI                           | USE                          | 6B/400                       |
| R904 |     | USE                          | NI                           | NI                           |
| C918 |     |                              |                              |                              |
| R910 |     |                              |                              |                              |

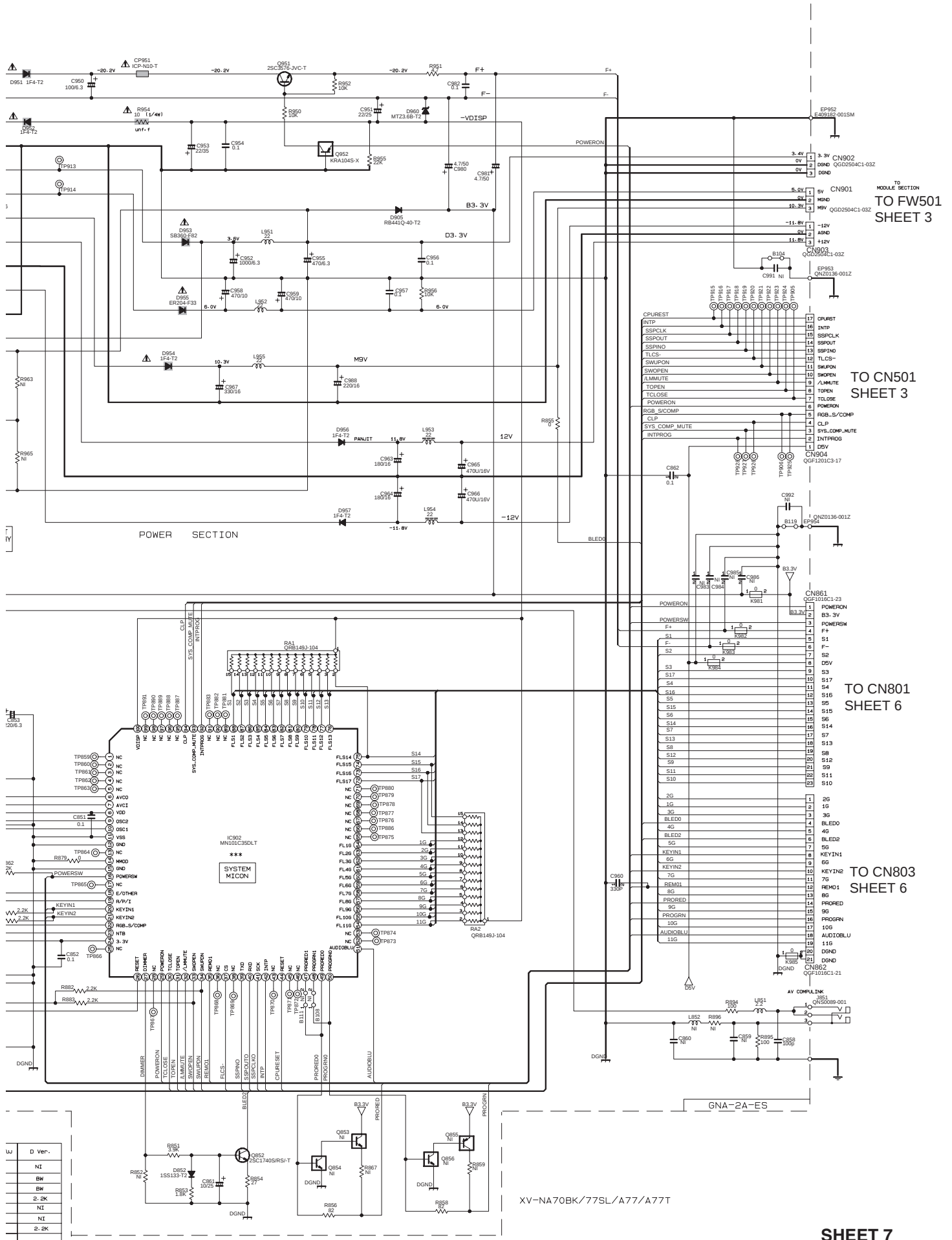
  

| REF. | Ver | D+E      | J-C-U    |
|------|-----|----------|----------|
| C965 |     | 220V/16V | 100V/16V |
| C966 |     | 220V/16V | 100V/16V |

| * MARK |       |     |     |     |              |            |
|--------|-------|-----|-----|-----|--------------|------------|
| Ver    |       | J/C | D   | UJ  | B/E/EN/VE/EE | UF/UW/US/A |
| REF    | NO    |     |     |     |              |            |
|        | 9601  | USE | NI  | USE | USE          | USE        |
|        | 9901  | NI  | NI  | USE | USE          | USE        |
|        | CN551 | NI  | USE | NI  | USE          | NI         |

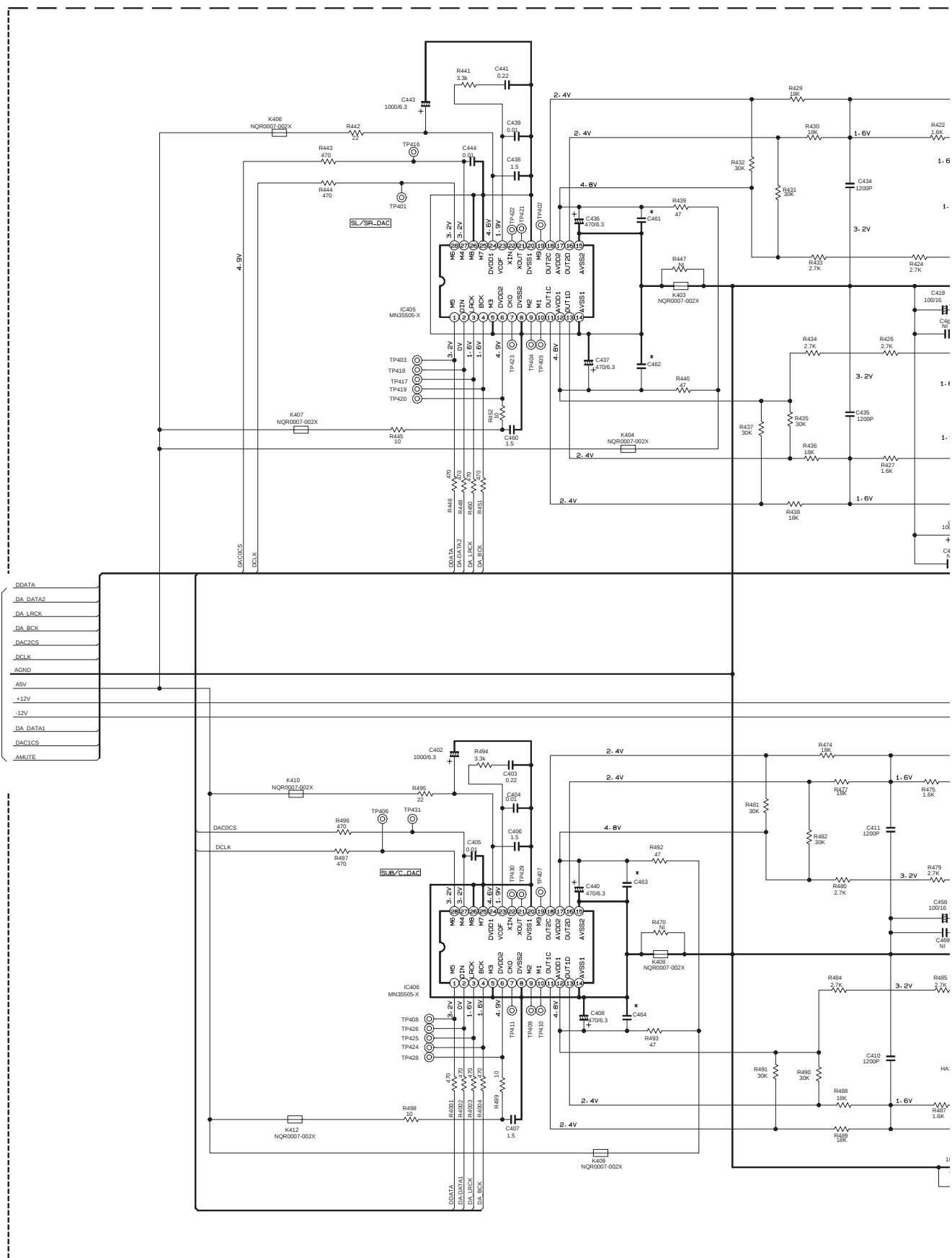
\*NOTE

| REF. | NO | VER.  | J/C   | B/E/EN/E/EE | U/A/U/A/U/U | D Ver. |
|------|----|-------|-------|-------------|-------------|--------|
| B115 |    | NI    |       | BW          | NI          | NI     |
| B116 |    | BW    | NI    | NI          | BW          | BW     |
| B118 |    | BW    | NI    | BW          | BW          | BW     |
| B695 |    | 2. 2K | NI    | NI          | 2. 2K       | 2. 2K  |
| B697 |    | NI    | 1K    | NI          | NI          | NI     |
| B691 |    | NI    | 2. 2K | NI          | NI          | NI     |
| B690 |    | NI    |       | NI          | NI          | 2. 2K  |



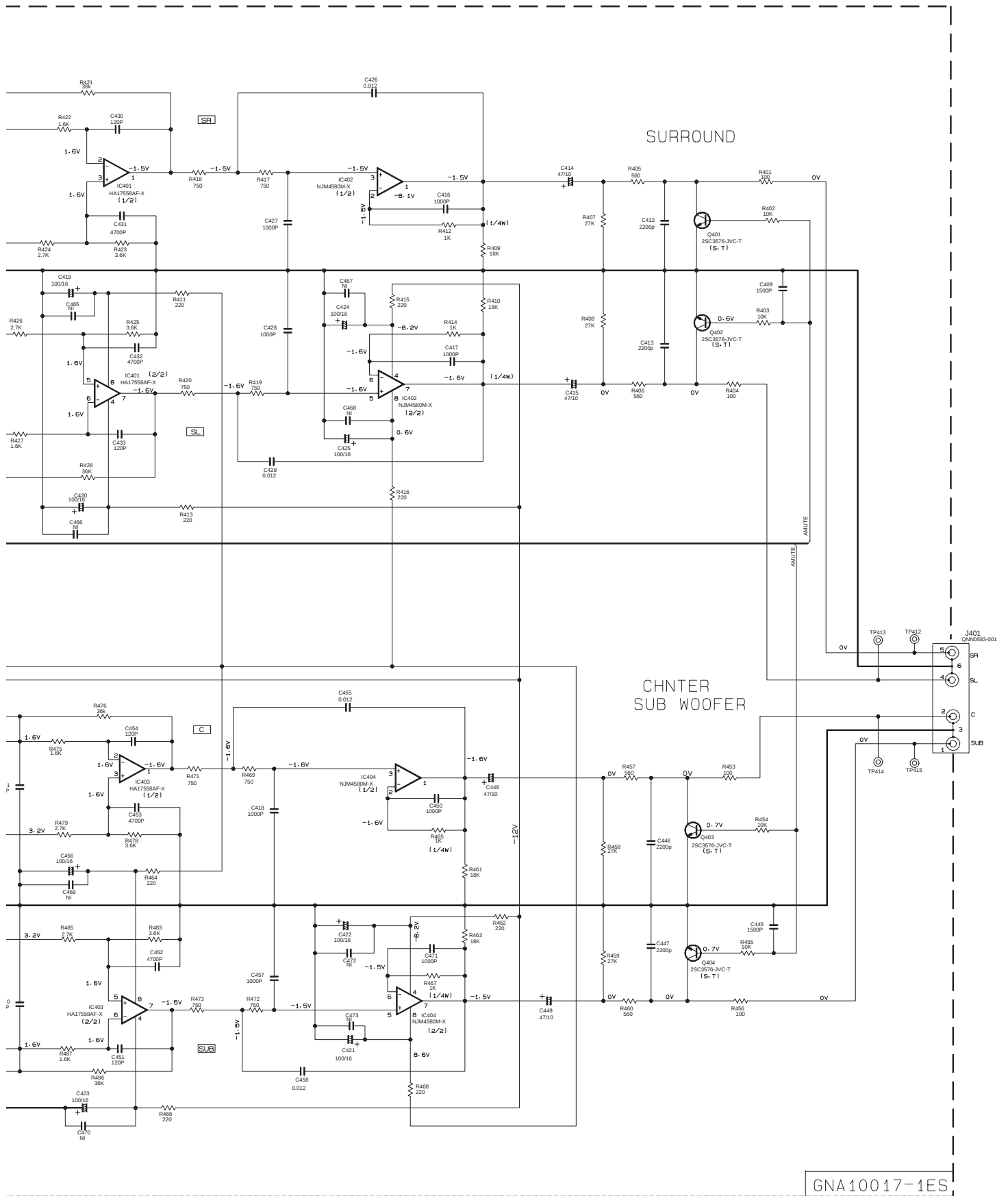
## ■ Surround audio signal output terminal section

TO SHEET 5



\* NOTE

| VERSION  | D       | OTHER   |
|----------|---------|---------|
| REF. NO. | VERSION | VERSION |
| C461     | NI      | 1U      |
| C462     | NI      | 1U      |
| C463     | NI      | 1U      |
| C464     | NI      | 1U      |



GNA10017-1ES

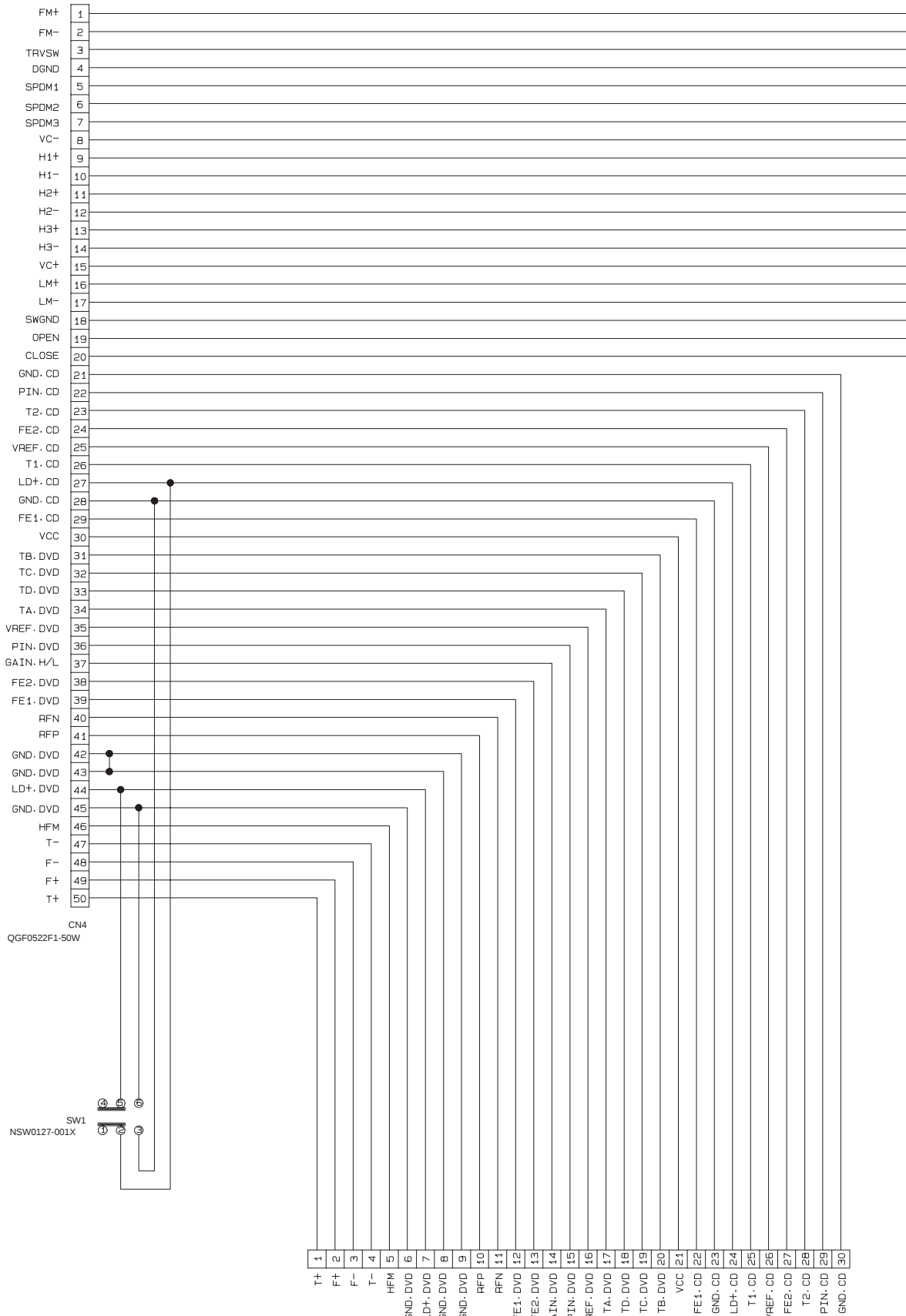
XV-NA70BK/77SL/A77/A77T

SHEET 8

(No.XA011SCH) 2-23

Relay board section

TO CN101  
SHEET 1



LEA10076-ES1

To pick-up unit

CN1  
QGF0522F1-30W

Tc

|          |    |
|----------|----|
| FE2-DVD  | 13 |
| GAIN-DVD | 14 |
| PIN-DVD  | 15 |
| VREF-DVD | 16 |
| TA-DVD   | 17 |
| TD-DVD   | 18 |
| TC-DVD   | 19 |
| TB-DVD   | 20 |
| VCC      | 21 |
| FE1-CD   | 22 |
| GND-CD   | 23 |
| LDH-CD   | 24 |
| T1-CD    | 25 |
| VREF-CD  | 26 |
| FE2-CD   | 27 |
| T2-CD    | 28 |
| PIN-CD   | 29 |
| GND-CD   | 30 |

CN1  
QGF0522F1-30W

to pick-up unit

|       |   |
|-------|---|
| CLOSE | 5 |
| OPEN  | 4 |
| SWGND | 3 |
| LM+   | 2 |
| LM-   | 1 |

CN2  
QGF1016F2-05W

To loading motor  
assembly

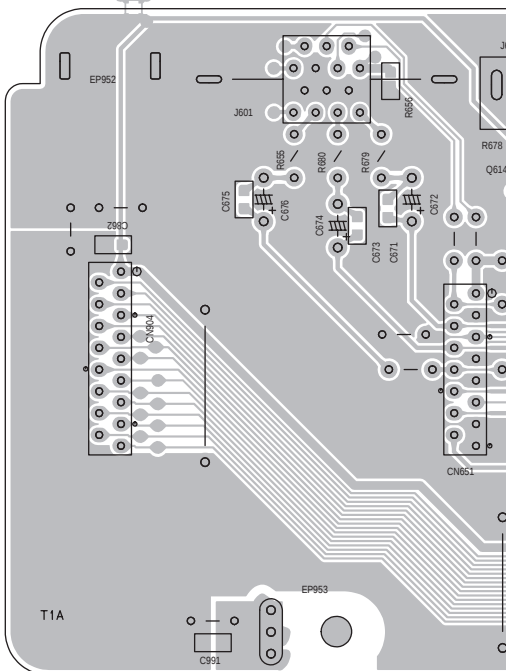
|       |    |
|-------|----|
| VC+   | 15 |
| H3-   | 14 |
| H3+   | 13 |
| H2-   | 12 |
| H2+   | 11 |
| H1-   | 10 |
| H1+   | 9  |
| VC-   | 8  |
| SPDM3 | 7  |
| SPDM2 | 6  |
| SPDM1 | 5  |
| DGND  | 4  |
| TRVSW | 3  |
| FM-   | 2  |
| FM+   | 1  |

CN3  
QGF1016F2-15W

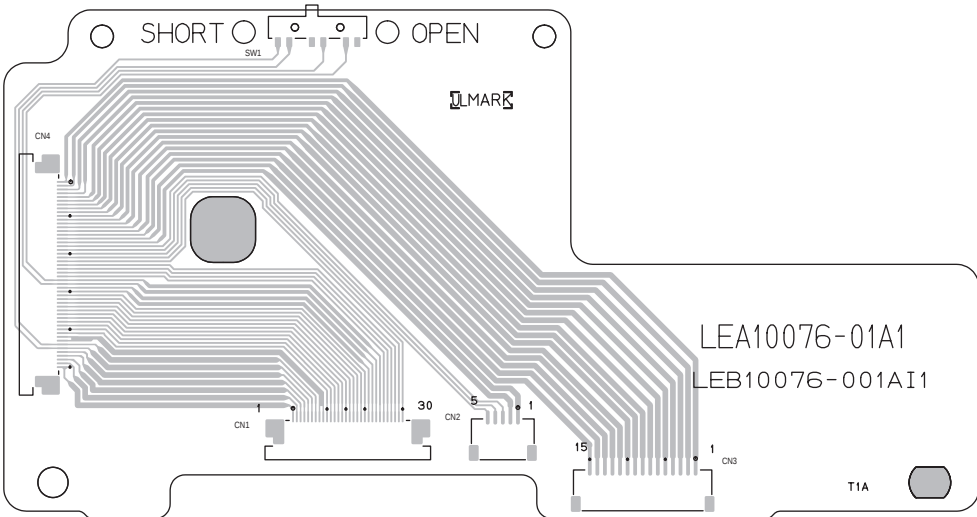
To spindle motor  
assembly

## Printed circuit boards

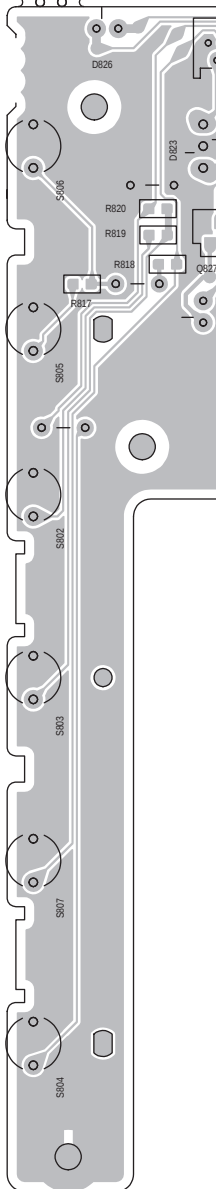
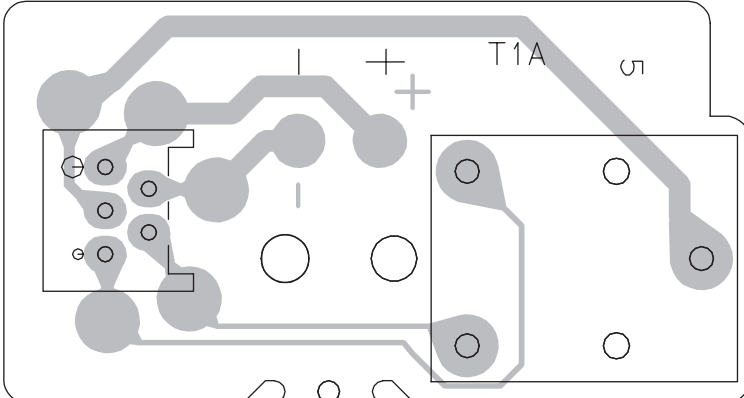
## ■ Power supply & system contro



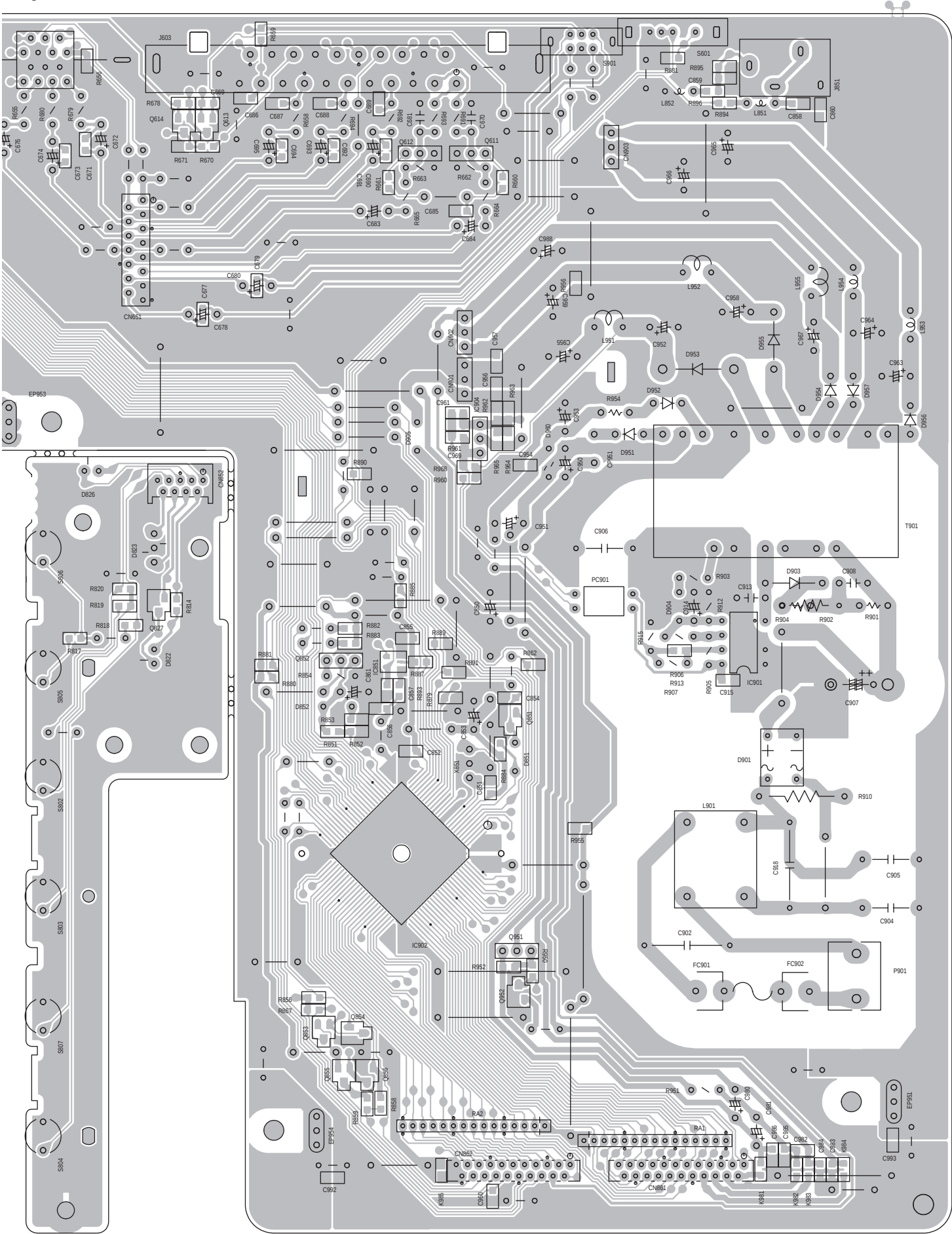
## ■ Relay board



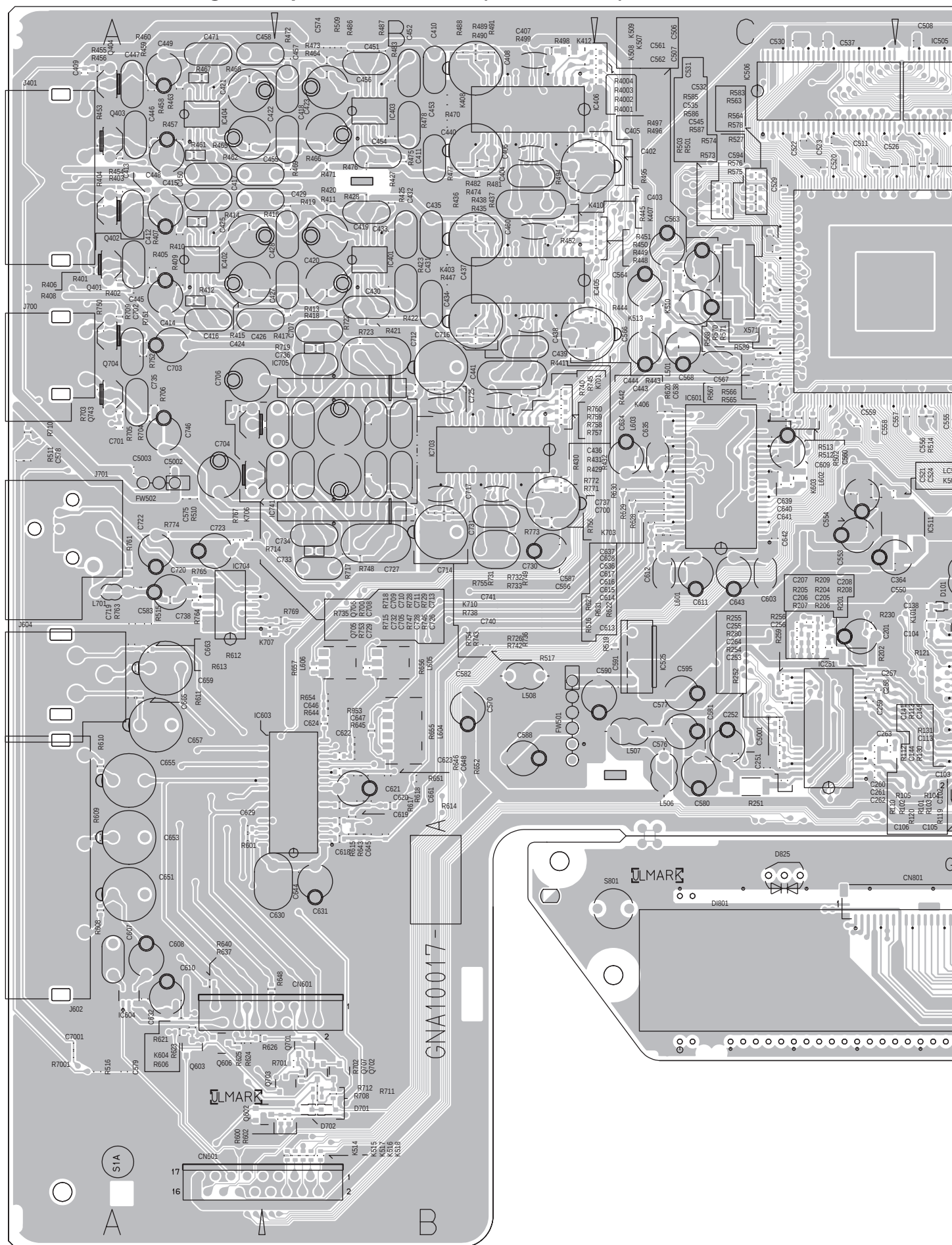
## ■ Switch board



& system control board

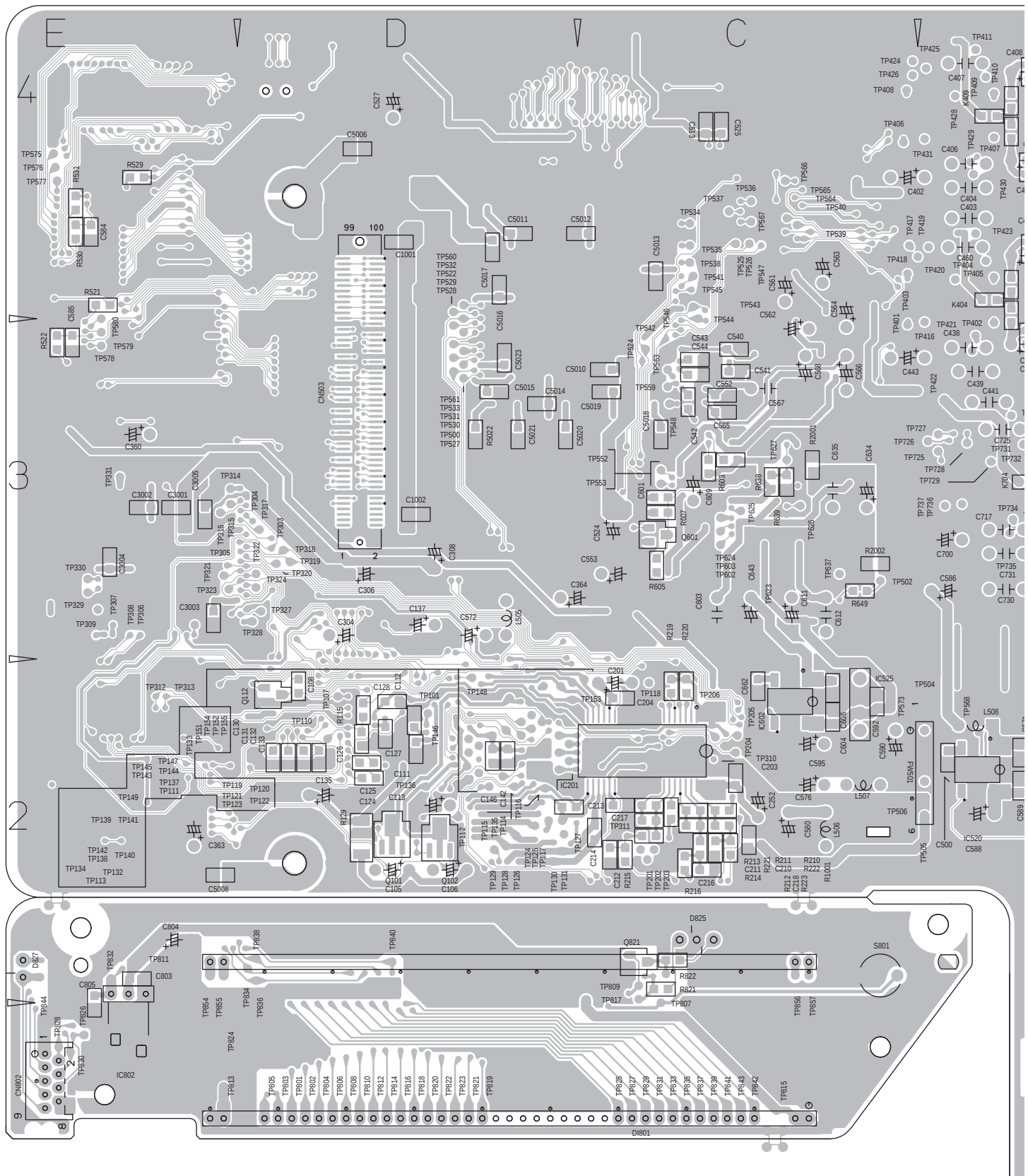


# ■ Servo control & signal output terminal board (Forward side)





# ■ Servo control & signal output terminal board (Reverse side)







**VICTOR COMPANY OF JAPAN, LIMITED**

AV & MULTIMEDIA COMPANY OPTICAL DISC CATEGORY 1644, Shimotsuruma, Yamato, Kanagawa 242-8514, Japan

# PARTS LIST

## [XV-NA70BK,XV-NA77SL]

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

\* (x\_) in a description column shows the number of the used part.

### Area Suffix (XV-NA70BK)

J ----- U.S.A.  
C ----- Canada

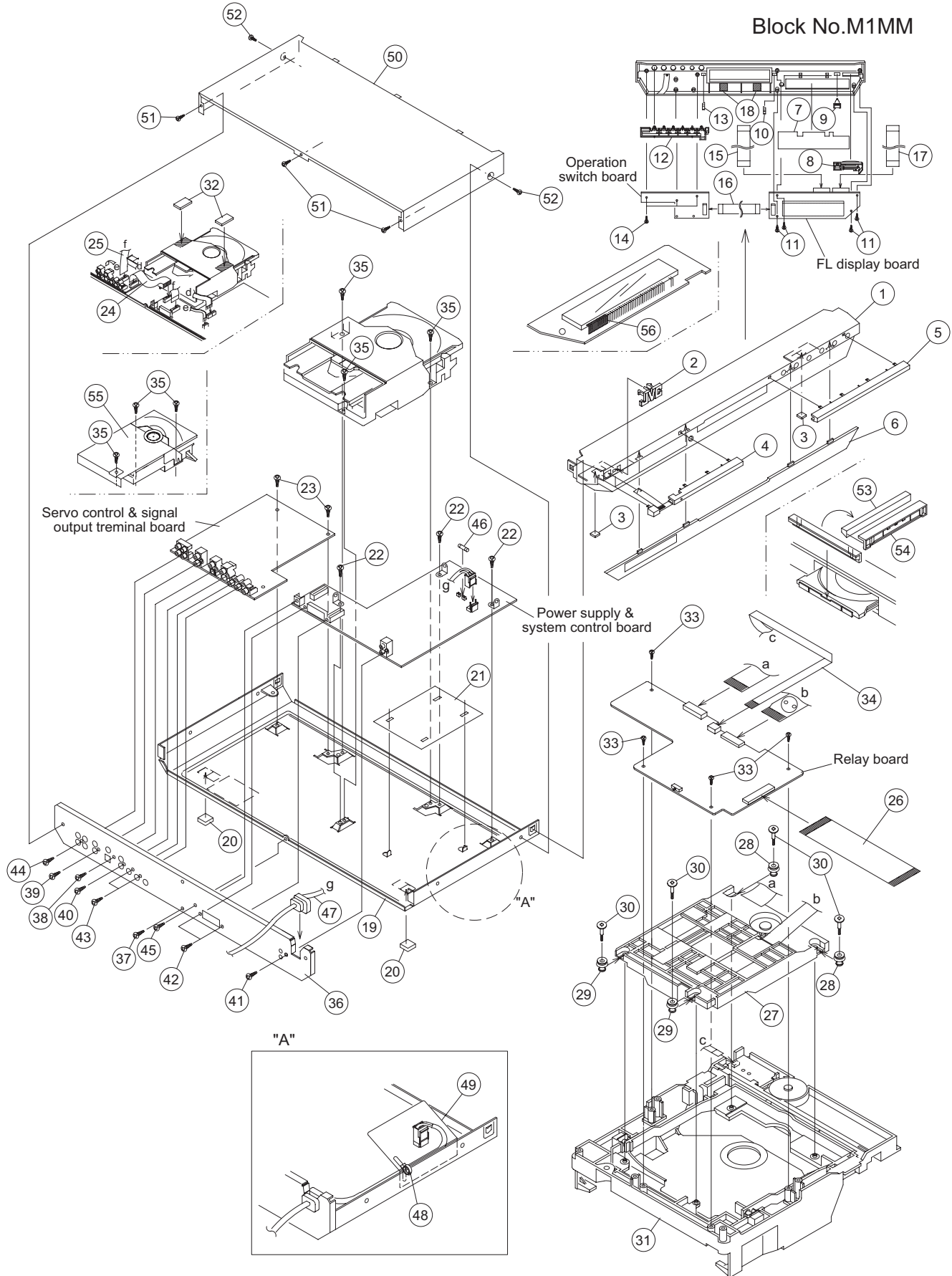
### Area Suffix (XV-NA77SL)

J ----- U.S.A.  
C ----- Canada  
UJ ----- U.S.A Military  
B ----- U.K.  
E ----- Continental Europe  
EN ----- Northern Europe  
EV ----- Eastern Europe  
EE ----- Russian Federation  
US ----- Singapore  
UF ----- China  
A ----- Australia  
UW ----- Brazil,Mexico,Peru

### - Contents -

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| DVD Traverse mechanism assembly and parts list .....   | 3-4  |
| DVD Loading mechanism assembly and parts list .....    | 3-6  |
| Electrical parts list .....                            | 3-8  |
| Packing materials and accessories parts list .....     | 3-16 |

# Exploded view of general assembly and parts list



# General assembly

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

| △ Symbol No. | Part No.        | Part Name         | Description         | Local                                     |
|--------------|-----------------|-------------------|---------------------|-------------------------------------------|
| 1            | GN10044-002A    | FRONT PANEL       |                     | 70C,70J                                   |
| 1            | GN10044-004A    | FRONT PANEL       |                     | 77C,77J,77UJ                              |
| 1            | GN10044-006A    | FRONT PANEL       |                     | 77A,77B,77E,77EE,77EN,77EV,77UF,77US,77UW |
| 2            | GN40020-001A    | JVC MARK          |                     | 70C,70J                                   |
| 2            | GN40020-002A    | JVC MARK          |                     | only XV-NA77SL                            |
| 3            | E75896-002      | FELT SPACER       | FRONT FOOT(x2)      |                                           |
| 4            | GN20054-003A    | ORNAMENT(L)       |                     | 70C,70J                                   |
| 4            | GN20054-004A    | ORNAMENT(L)       |                     | only XV-NA77SL                            |
| 5            | GN20055-003A    | ORNAMENT(R)       |                     | 70C,70J                                   |
| 5            | GN20055-004A    | ORNAMENT(R)       |                     | only XV-NA77SL                            |
| 6            | GN20056-008A    | WINDOW SCREEN     |                     | 70C,70J                                   |
| 6            | GN20056-013A    | WINDOW SCREEN     |                     | only Europe                               |
| 6            | GN20056-015A    | WINDOW SCREEN     |                     | 77C,77J,77UJ                              |
| 6            | GN20056-014A    | WINDOW SCREEN     |                     | 77A,77UF,77US,77UW                        |
| 7            | GN30059-002A    | FL SCREEN         |                     | 70C,70J                                   |
| 7            | GN30059-004A    | FL SCREEN         |                     | only XV-NA77SL                            |
| 8            | GN20058-003A    | PUSH BUTTON       | BK POWER            | 70C,70J                                   |
| 8            | GN20058-005A    | PUSH BUTTON       | SL POWER            | only Europe                               |
| 8            | GN20058-004A    | PUSH BUTTON       | SL POWER            | except Europe                             |
| 9            | GN30057-001A    | INDICATOR         | POWER               |                                           |
| 10           | GN30058-001A    | LED LENS          | LEFT                |                                           |
| 11           | QYSBSF2608Z     | TAPPING SCREW     | POWER SW.CB.(x4)    |                                           |
| 12           | GN20059-003A    | PUSH BUTTON       | BK PLAY             | 70C,70J                                   |
| 12           | GN20059-004A    | PUSH BUTTON       | SL PLAY             | only XV-NA77SL                            |
| 13           | GN30058-002A    | LED LENS          | RIGHT               |                                           |
| 14           | QYSBSF2608Z     | TAPPING SCREW     | PLAY SW.CB.(x3)     |                                           |
| 15           | QUQ210-2108BJ   | FFC WIRE          |                     |                                           |
| 16           | QUQ210-0916AJ   | FFC WIRE          |                     |                                           |
| 17           | QUQ210-2308BJ   | FFC WIRE          |                     |                                           |
| 18           | E3400-431       | SPACER            | (x2)                |                                           |
| 19           | GN10045-004A    | CHASSIS BASE      |                     | 70C,70J                                   |
| 19           | GN10045-003A    | CHASSIS BASE      |                     | only XV-NA77SL                            |
| 20           | E75896-002      | FELT SPACER       | REAR FOOT(x2)       |                                           |
| 21           | GN40037-001A    | PROTECT SHEET     |                     |                                           |
| 22           | QYSBSGG3006E    | TAP SCREW         | MAIN CB+CHASSIS(x3) |                                           |
| 23           | QYSBSGG3006E    | TAP SCREW         | MAIN CB+CHASSIS(x2) |                                           |
| 24           | QUQ412-1708AJ   | FFC WIRE          |                     |                                           |
| 25           | QUQ412-1512AJ   | FFC WIRE          |                     | only Europe                               |
| 26           | QUQ605-5008AF   | FFC WIRE          | MECHA+MAIN          |                                           |
| 27           | -----           | TRAVERSE MECHA    |                     |                                           |
| 28           | LE40900-003A    | INSULATOR         | (x2)                |                                           |
| 29           | LE40900-004A    | INSULATOR         | (x2)                |                                           |
| 30           | LE40901-001A    | SPECIAL SCREW     | FOR INSULATOR(x4)   |                                           |
| 31           | -----           | 1DISC LOADING B   |                     |                                           |
| 32           | GN30006-019A    | SPACER            | (x2)                |                                           |
| 33           | QYSDSF2608Z     | SCREW             | FOR CONNECT CB(x4)  |                                           |
| 34           | QUQ210-0518BJ   | FFC WIRE          | TRAMEK+CONNECT      |                                           |
| 35           | QYSBSG3008Z     | TAPPING SCREW     | MECHA+CHASSIS(x3)   |                                           |
| 36           | GN20064-064A    | REAR PANEL        |                     | 70C,70J                                   |
| 36           | GN20064-071A    | REAR PANEL        |                     | 77A                                       |
| 36           | GN20064-069A    | REAR PANEL        |                     | 77EE                                      |
| 36           | GN20064-068A    | REAR PANEL        |                     | 77B,77E,77EN,77EV                         |
| 36           | GN20064-065A    | REAR PANEL        |                     | 77C,77J                                   |
| 36           | GN20064-074A    | REAR PANEL        |                     | 77UF                                      |
| 36           | GN20064-070A    | REAR PANEL        |                     | 77UJ                                      |
| 36           | GN20064-072A    | REAR PANEL        |                     | 77US                                      |
| 36           | GN20064-073A    | REAR PANEL        |                     | 77UW                                      |
| 37           | QYSBSGY3008M    | SPECIAL SCREW     | REAR+CHASSIS        |                                           |
| 38           | QYSBSGY3008M    | SPECIAL SCREW     | OPT/COAXIAL         |                                           |
| 39           | QYSBSGY3008M    | SPECIAL SCREW     | AUDIO OUT           |                                           |
| 40           | QYSBSGY3008M    | SPECIAL SCREW     | VIDEO OUT           |                                           |
| 41           | QYSBSGY3008M    | SPECIAL SCREW     | COMPU LINK          |                                           |
| 42           | QYSBSGY3008M    | SPECIAL SCREW     | 21P OUT(x2)         | only Europe                               |
| 43           | QYSBSGY3008M    | SPECIAL SCREW     | COMPONENT(x2)       |                                           |
| 44           | QYSBSGY3008M    | SPECIAL SCREW     | 5.1CH OUT           |                                           |
| 45           | QYSBSGY3008M    | SPECIAL SCREW     | BKT                 |                                           |
| △ 46         | QMF51U1-1R6-J8  | FUSE              | 1.6A AC125V         | only ver.J,C                              |
| △ 46         | QMF51E2-1R6-J1  | FUSE              | 1.6A AC250V         | except ver.J,C of XV-NA77SL               |
| △ 47         | QMPG100-244-JD  | POWER CORD(AST)   | 2.44m BLACK         | 77A                                       |
| △ 47         | QMPN230-200-JC  | POWER CORD(EK)    | 2m BLACK            | 77B                                       |
| △ 47         | QMPD450-200-JN  | POWER CORD(US/CA) | 2m BLACK            | only ver.J,C                              |
| △ 47         | QMPR470-200-JN  | POWER CORD        | 2m BLACK            | 77UF                                      |
| △ 47         | QMPK280-200-JN  | POWER CORD(EU)    | 2m BLACK            | 77E,77EE,77EN,77EV,77UJ,77US,77UW         |
| 48           | QZW0004-001     | WIRE CLAMP        |                     |                                           |
| 49           | GN30073-001A    | PROTECT SHEET(T   |                     |                                           |
| 50           | GN20063-001A/S/ | METAL COVER       |                     | 70C,70J                                   |
| 50           | GN20063-002A/S/ | METAL COVER       |                     | only XV-NA77SL                            |
| 51           | QYSBSGG3006E    | TAP SCREW         | REAR(x3)            |                                           |
| 52           | QYSDSG3008M     | SCREW             | BK SIDE(x2)         | 70C,70J                                   |
| 52           | QYSDSG3008N     | TAPPING SCREW     | SL SIDE(x2)         | only XV-NA77SL                            |
| 53           | GN20062-004A    | LENS              |                     | 70C,70J                                   |
| 53           | GN20062-005A    | LENS              |                     | only XV-NA77SL                            |
| 54           | GN20060-001A    | FITTING BASE      |                     | 70C,70J                                   |
| 54           | GN20060-002A    | FITTING BASE      |                     | only XV-NA77SL                            |
| 55           | GN30082-001A    | SHIELD            |                     | only ver.J,C                              |
| 56           | LE30001-031A    | SPACER            |                     | only Europe                               |

<Local area>

XV-NA70BK C:70 J:70J XV-NA77SL A:77A B:77B C:77C E:77E  
EE:77EE EN:77EN EV:77EV J:77J UF:77UF UJ:77UJ US:77US

(No.XA011)3-3

# DVD Traverse mechanism assembly and parts list

EXL-V76-1C

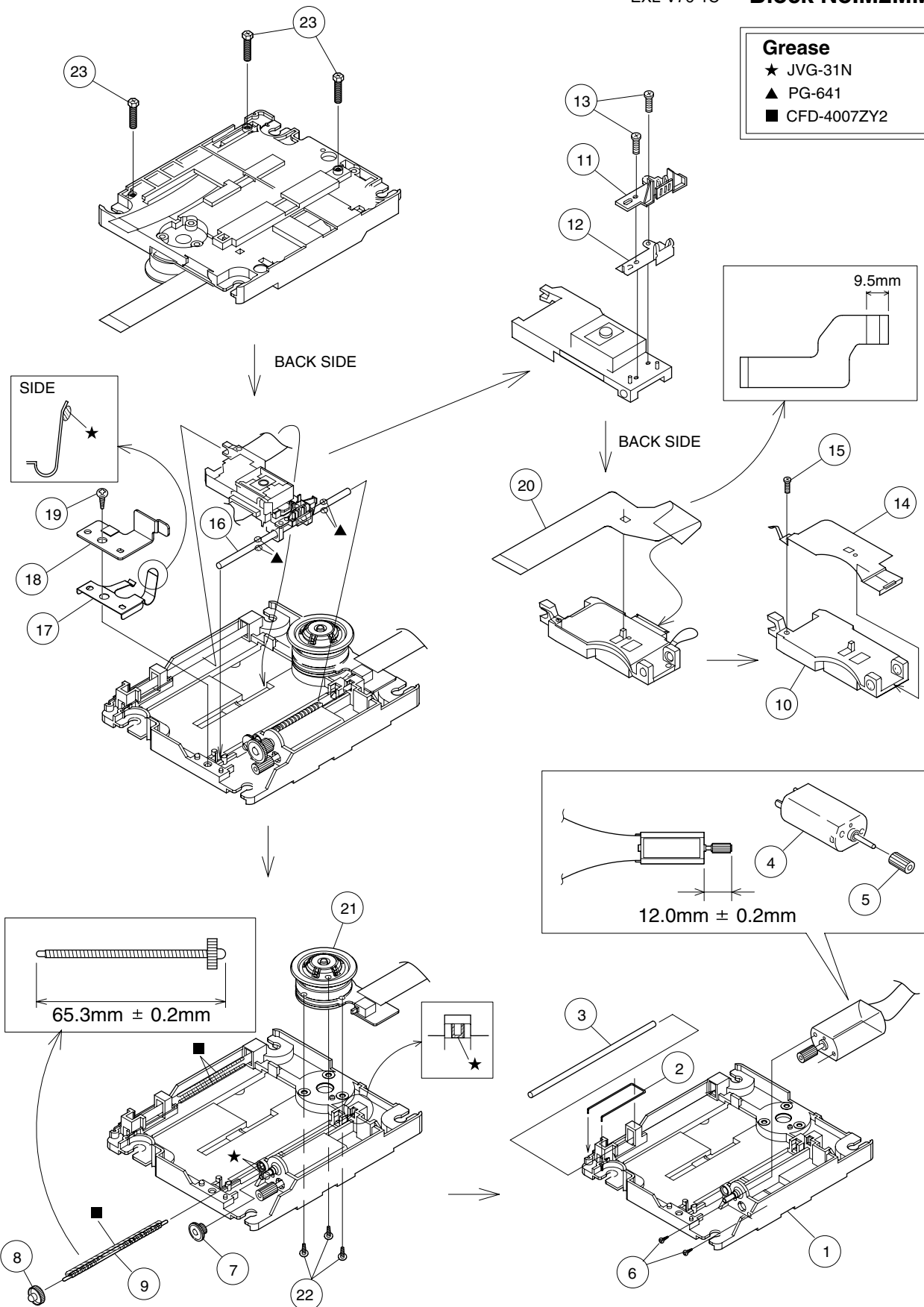
Block No.M2MM

## Grease

★ JVG-31N

▲ PG-641

■ CFD-4007ZY2



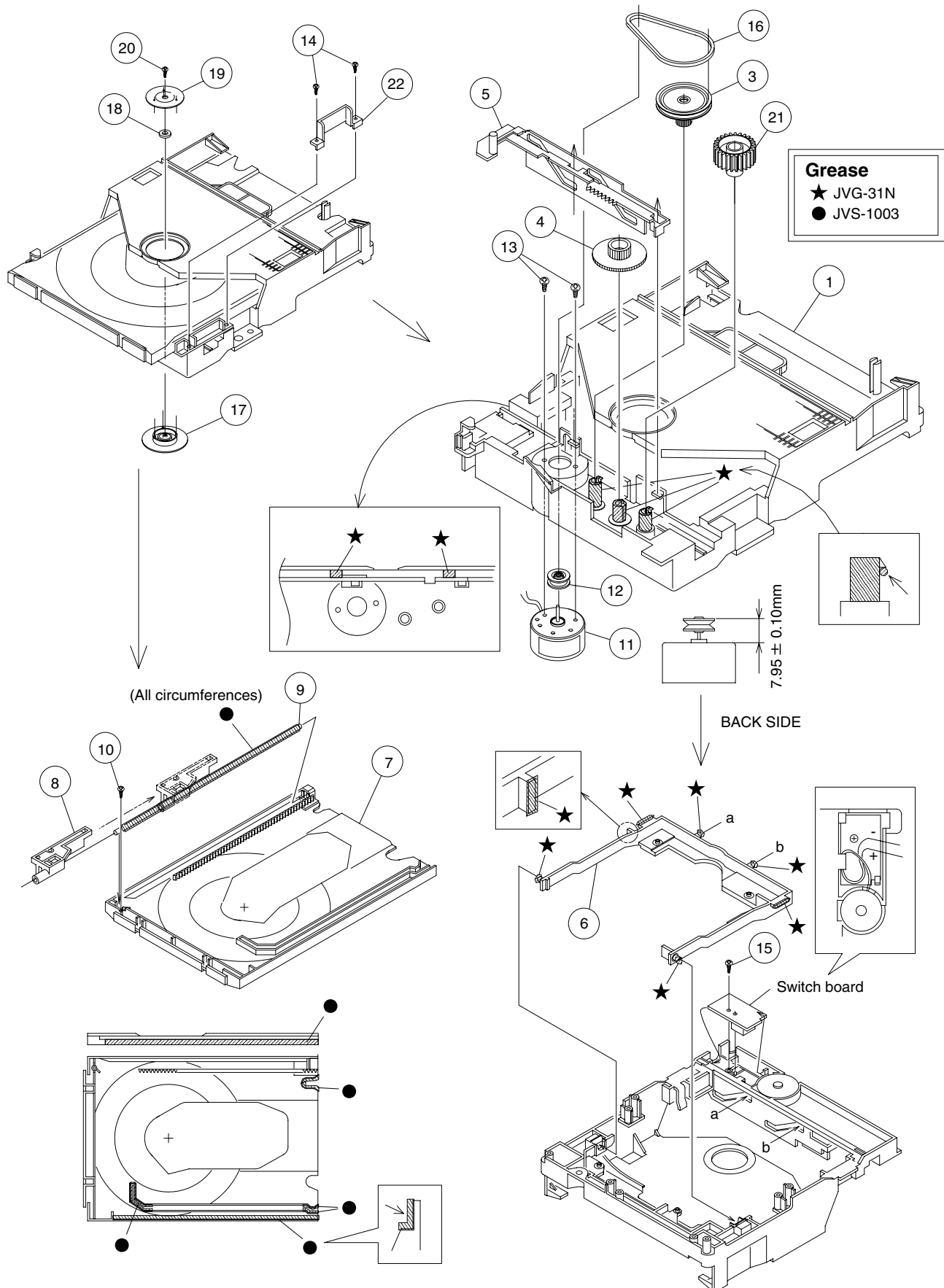
## DVD Traverse mechanism

Block No. [M][2][M][M]

| △ Symbol No. | Part No.     | Part Name     | Description     | Local |
|--------------|--------------|---------------|-----------------|-------|
| 1            | LE10274-003A | MECHA BASE    |                 |       |
| 2            | LE40896-001A | BAR SPRING    |                 |       |
| 3            | LV41121-002A | SHAFT         |                 |       |
| 4            | QAR0165-001  | FEED MOTOR    |                 |       |
| 5            | LV41510-001A | FEED GEAR T   |                 |       |
| 6            | QYSPSPU2040M | SCREW         | 2mm x 4mm(x2)   |       |
| 7            | LV41511-003A | FEED GEAR M   |                 |       |
| 8            | LV41512-002A | FEED GEAR E   |                 |       |
| 9            | LV41517-003A | LEAD SCREW    |                 |       |
| 10           | QAL0452-001  | PICK UP       |                 |       |
| 11           | LE20519-001A | SW ACTUATOR   |                 |       |
| 12           | LE30886-001A | LEAD SPRING   |                 |       |
| 13           | QYSPSFU1740Z | SCREW         | 1.7mm x 4mm(x2) |       |
| 14           | LE30888-003A | P.U.SPRING    |                 |       |
| 15           | QYSPSGU1430Z | SCREW         | 1.4mm x 3mm     |       |
| 16           | LV41121-002A | SHAFT         |                 |       |
| 17           | LE40894-001A | T.SPRING      |                 |       |
| 18           | LE40895-002A | BRACKET       |                 |       |
| 19           | QYSDSF2005Z  | SCREW         | 2mm x 5mm       |       |
| 20           | QAL0284-001  | FPC           |                 |       |
| 21           | QAR0268-001  | SPINDLE MOTOR |                 |       |
| 22           | QYSPSPU1760Z | SCREW         | 1.7mm x 6mm(x3) |       |
| 23           | LE40858-002A | S.SCREW       | (x3)            |       |

# DVD Loading mechanism assembly and parts list

ELM-J3-1C Block No.M3MM



# DVD Loading mechanism

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

| △ Symbol No. | Part No.     | Part Name    | Description   | Local |
|--------------|--------------|--------------|---------------|-------|
| 1            | LE10275-003A | LOADER BASE  |               |       |
| 3            | LE31043-001A | PULLEY GEAR  |               |       |
| 4            | LE31044-001A | IDLE GEAR    |               |       |
| 5            | LE20665-001A | SLIDE CAM    |               |       |
| 6            | LE20667-002A | ELEVATOR     |               |       |
| 7            | LE10276-002A | TRAY         |               |       |
| 8            | LE31045-001A | BUSHING      |               |       |
| 9            | LE40898-001A | SHAFT        |               |       |
| 10           | QYSSSF2008Z  | SCREW        | 2mm x 8mm     |       |
| 11           | QAR0197-001  | MOTOR        |               |       |
| 12           | LV42087-002A | MOTOR PULLEY |               |       |
| 13           | QYSPSPU1730Z | SCREW        | FOR MOTOR(x2) |       |
| 14           | QYSDSF2008Z  | SCREW        | 2mm x 8mm(x2) |       |
| 15           | QYSDSF2006Z  | SCREW        | FOR BOARD     |       |
| 16           | LE40897-001A | BELT         |               |       |
| 17           | LE31046-001A | CLAMPER      |               |       |
| 18           | LV42930-003A | MAGNET       |               |       |
| 19           | LE40899-001A | YOKE         |               |       |
| 20           | LE40906-001A | S.SCREW      |               |       |
| 21           | LE31042-001A | MIDDLE GEAR  |               |       |
| 22           | LE40937-001A | LEAF SPRING  |               |       |

Electrical parts list

Relay board

| Block No. [0][1] |               |              |                |       |
|------------------|---------------|--------------|----------------|-------|
| △ Symbol No.     | Part No.      | Part Name    | Description    | Local |
| CN1              | QGF0522F1-30W | CONNECTOR    | FFC/FPC (1-30) |       |
| CN2              | QGF1016F2-05W | CONNECTOR    | FFC/FPC (1-5)  |       |
| CN3              | QGF1016F2-15W | CONNECTOR    | FFC/FPC (1-15) |       |
| CN4              | QGF0522F1-50W | CONNECTOR    | FFC/FPC (1-50) |       |
| SW1              | NSW0127-001X  | SLIDE SWITCH |                |       |

Servo control &  
signal output terminal board

| Block No. [0][2] |                    |                |                                             |                    |
|------------------|--------------------|----------------|---------------------------------------------|--------------------|
| △ Symbol No.     | Part No.           | Part Name      | Description                                 | Local              |
| IC101            | AN8703FH-V         | IC             | Frontend processor for DVD                  |                    |
| IC102            | SN74AHC1G66HV-X    | IC             |                                             |                    |
| IC103            | SN74LV4053APW-X    | IC             |                                             |                    |
| IC104            | NJU7015M-W         | IC             | Ope. Amp                                    |                    |
| IC105            | SN74AHC2G66T-X     | IC             |                                             |                    |
| IC201            | BA5983FM-X         | IC             | 4-channel driver                            |                    |
| IC251            | BA6679FM-X         | LSI            |                                             |                    |
| IC301            | MN103S26EGB-H      | IC             | Super optical disc controller               |                    |
| IC302            | SN74AHC1G66HV-X    | IC             |                                             |                    |
| IC401            | HA17558AF-X        | IC             | Dual Operational Amp                        |                    |
| IC402            | NJM4580M-X         | IC             | Ope. Amp                                    |                    |
| IC403            | HA17558AF-X        | IC             | Dual Operational Amp                        |                    |
| IC404            | NJM4580M-X         | IC             | Ope. Amp                                    |                    |
| IC405            | MN35505-X          | IC             | DAC                                         |                    |
| IC406            | MN35505-X          | IC             | DAC                                         |                    |
| IC501            | NDV8611VWA         | IC             | Pantera                                     |                    |
| IC505            | or HY57V643220CT-5 | IC             | 512K x 32 bit x 4 banks<br>synchronous DRAM | only ver.J,C       |
| IC505            | K4S641632F-TC75    | IC(DIGITAL)    | CMOS SDRAM                                  |                    |
| IC505            | or HY57643220CT55  | IC             |                                             |                    |
| IC505            | or K4S643232E-TC60 | IC             | 512K x 32 bit x 4 banks synchronous DRAM    |                    |
| IC505            | or K4S643232F-TC60 | IC             | 512K x 32 bit x 4 banks synchronous DRAM    |                    |
| IC505            | or W986416DH-7     | IC             | DRAM                                        |                    |
| IC506            | K4S641632F-TC75    | IC(DIGITAL)    | CMOS SDRAM                                  |                    |
| IC506            | or W986416DH-7     | IC             | DRAM                                        |                    |
| IC511            | LM1117MP1.8-X      | IC             | Regulator                                   |                    |
| IC520            | MM1565AF-X         | IC             | Regulator                                   |                    |
| IC521            | SST39VF160H0B06    | IC             |                                             | only ver.J,C       |
| IC521            | SST39VF160H0B83    | IC             |                                             | only ver.UJ        |
| IC521            | SST39VF160H0B3     | IC             |                                             | only ver.UW,A      |
| IC521            | SST39VF160H0B44    | IC             |                                             | only ver.B,E,EN,EV |
| IC521            | SST39VF160H0B63    | IC             |                                             | only ver.EE        |
| IC521            | SST39VF160H0BA3    | IC             |                                             | only ver.US        |
| IC521            | SST39VF160H0BE3    | IC             |                                             | only ver.UF        |
| IC522            | 74LCX373MTC-X      | IC(DIGITAL)    | Octal D-type latch                          |                    |
| IC522            | or 74LVC373APW-X   | IC(DIGITAL)    | Octal D-type transparent latch              |                    |
| IC523            | 74LCX373MTC-X      | IC(DIGITAL)    | Octal D-type latch                          |                    |
| IC523            | or 74LVC373APW-X   | IC(DIGITAL)    | Octal D-type transparent latch              |                    |
| IC524            | SST39VF160H0B16    | IC             |                                             | only ver.J,C       |
| IC524            | SST39VF160H0B93    | IC             |                                             | only ver.UJ        |
| IC524            | SST39VF160H0BD3    | IC             |                                             | only ver.UW,A      |
| IC524            | SST39VF160H0B54    | IC             |                                             | only ver.B,E,EN,EV |
| IC524            | SST39VF160H0B73    | IC             |                                             | only ver.EE        |
| IC524            | SST39VF160H0B83    | IC             |                                             | only ver.US        |
| IC524            | SST39VF160H0BF3    | IC             |                                             | only ver.UF        |
| IC525            | PQ3RD23            | IC             |                                             |                    |
| IC601            | JCE8046-X          | IC             |                                             |                    |
| IC602            | MM1592FFBE-X       | IC             |                                             |                    |
| IC603            | MM1623XF-X         | IC             | Video driver                                |                    |
| IC604            | MM1505XN-X         | IC             |                                             | only Europe        |
| IC703            | MN35505-X          | IC             | DAC                                         |                    |
| IC704            | 74VHCT08ASJ-X      | IC             | 2-input AND gate                            |                    |
| IC705            | NJM5532L           | IC             |                                             |                    |
| IC741            | NJM5532L           | IC             |                                             |                    |
| IC802            | GP1UE271XK         | IR DETECT UNIT |                                             |                    |

| △ Symbol No. | Part No.        | Part Name       | Description   | Local       |
|--------------|-----------------|-----------------|---------------|-------------|
| Q101         | KTA1001/Y/-X    | TRANSISTOR      |               |             |
| Q102         | KTA1001/Y/-X    | TRANSISTOR      |               |             |
| Q103         | DTA144EE-X      | DIGI TRANSISTOR |               |             |
| Q104         | 2SC4617/R/-X    | TRANSISTOR      |               |             |
| Q105         | 2SC4617/R/-X    | TRANSISTOR      |               |             |
| Q106         | 2SC4617/R/-X    | TRANSISTOR      |               |             |
| Q107         | 2SA1774/R/-X    | TRANSISTOR      |               |             |
| Q108         | 2SC4617/R/-X    | TRANSISTOR      |               |             |
| Q109         | 2SC4617/R/-X    | TRANSISTOR      |               |             |
| Q110         | 2SC4617/R/-X    | TRANSISTOR      |               |             |
| Q111         | DTC114EE-X      | DIGI TRANSISTOR |               |             |
| Q112         | KRC102S-X       | DIGI TRANSISTOR |               |             |
| Q301         | DTC144EE-X      | DIGI TRANSISTOR |               |             |
| Q401         | 2SC3576-JVC-T   | TRANSISTOR      |               |             |
| Q402         | 2SC3576-JVC-T   | TRANSISTOR      |               |             |
| Q403         | 2SC3576-JVC-T   | TRANSISTOR      |               |             |
| Q404         | 2SC3576-JVC-T   | TRANSISTOR      |               |             |
| Q601         | KRC102S-X       | DIGI TRANSISTOR |               |             |
| Q606         | KRC102S-X       | DIGI TRANSISTOR |               | only Europe |
| Q701         | KRA121S-X       | DIGI TRANSISTOR |               |             |
| Q702         | 2SC2412K/RS/-X  | TRANSISTOR      |               |             |
| Q703         | KRC109S-X       | TRANSISTOR      |               |             |
| Q704         | 2SC3576-JVC-T   | TRANSISTOR      |               |             |
| Q705         | 2SC3576-JVC-T   | TRANSISTOR      |               |             |
| Q706         | 2SC3576-JVC-T   | TRANSISTOR      |               |             |
| Q707         | KRA102S-X       | DIGI TRANSISTOR |               |             |
| Q708         | KRA102S-X       | DIGI TRANSISTOR |               |             |
| Q743         | 2SC3576-JVC-T   | TRANSISTOR      |               |             |
| Q821         | KRA102S-X       | DIGI TRANSISTOR |               |             |
| D101         | RB521S-30-X     | SB DIODE        |               |             |
| D825         | SPR-325MW/L/-T  | LED             | GREEN-RED     |             |
| D827         | 204-10SUBC/A4VW | LED             |               |             |
| C105         | QETN1EM-476Z    | E CAPACITOR     | 47uF 25V M    |             |
| C106         | QETN1EM-476Z    | E CAPACITOR     | 47uF 25V M    |             |
| C108         | NCB31CK-104X    | C CAPACITOR     | 0.1uF 16V K   |             |
| C109         | NCF31CZ-104X    | C CAPACITOR     | 0.1uF 16V Z   |             |
| C110         | NCS31HJ-221X    | C CAPACITOR     | 220pF 50V J   |             |
| C111         | NCF31CZ-104X    | C CAPACITOR     | 0.1uF 16V Z   |             |
| C112         | NCF31CZ-104X    | C CAPACITOR     | 0.1uF 16V Z   |             |
| C114         | NCB31HK-392X    | C CAPACITOR     | 3900pF 50V K  |             |
| C115         | NCF31CZ-104X    | C CAPACITOR     | 0.1uF 16V Z   |             |
| C116         | NCF31CZ-104X    | C CAPACITOR     | 0.1uF 16V Z   |             |
| C117         | NCF31CZ-104X    | C CAPACITOR     | 0.1uF 16V Z   |             |
| C119         | NCB31HK-561X    | C CAPACITOR     | 560pF 50V K   |             |
| C120         | NCB31HK-561X    | C CAPACITOR     | 560pF 50V K   |             |
| C121         | NCF31CZ-104X    | C CAPACITOR     | 0.1uF 16V Z   |             |
| C122         | NCS31HJ-120X    | C CAPACITOR     | 12pF 50V J    |             |
| C123         | NCF31CZ-104X    | C CAPACITOR     | 0.1uF 16V Z   |             |
| C124         | NCS31HJ-470X    | C CAPACITOR     | 47pF 50V J    |             |
| C125         | NCB31HK-271X    | C CAPACITOR     | 270pF 50V K   |             |
| C126         | NCF31CZ-104X    | C CAPACITOR     | 0.1uF 16V Z   |             |
| C127         | NCF31CZ-104X    | C CAPACITOR     | 0.1uF 16V Z   |             |
| C128         | NCF31CZ-104X    | C CAPACITOR     | 0.1uF 16V Z   |             |
| C129         | NCB31HK-472X    | C CAPACITOR     | 4700pF 50V K  |             |
| C132         | NCB31CK-224X    | C CAPACITOR     | 0.22uF 16V K  |             |
| C133         | NCB31CK-273X    | C CAPACITOR     | 0.027uF 16V K |             |
| C134         | NCB31CK-473X    | C CAPACITOR     | 0.047uF 16V K |             |
| C135         | QETN1EM-476Z    | E CAPACITOR     | 47uF 25V M    |             |
| C136         | NCB31CK-473X    | C CAPACITOR     | 0.047uF 16V K |             |
| C137         | QETN1EM-476Z    | E CAPACITOR     | 47uF 25V M    |             |
| C138         | NCF31CZ-104X    | C CAPACITOR     | 0.1uF 16V Z   |             |
| C140         | NCF31CZ-104X    | C CAPACITOR     | 0.1uF 16V Z   |             |
| C141         | NCF31CZ-104X    | C CAPACITOR     | 0.1uF 16V Z   |             |
| C142         | NCF31CZ-104X    | C CAPACITOR     | 0.1uF 16V Z   |             |
| C143         | NCF31CZ-104X    | C CAPACITOR     | 0.1uF 16V Z   |             |
| C144         | NCB31CK-103X    | C CAPACITOR     | 0.01uF 16V K  |             |
| C146         | NCF31CZ-104X    | C CAPACITOR     | 0.1uF 16V Z   |             |
| C147         | NCF31CZ-104X    | C CAPACITOR     | 0.1uF 16V Z   |             |
| C148         | NCF31CZ-104X    | C CAPACITOR     | 0.1uF 16V Z   |             |
| C150         | NCF31CZ-104X    | C CAPACITOR     | 0.1uF 16V Z   |             |
| C151         | NCF31CZ-104X    | C CAPACITOR     | 0.1uF 16V Z   |             |

| △ Symbol No. | Part No.     | Part Name   | Description   | Local | △ Symbol No. | Part No.     | Part Name    | Description   | Local |
|--------------|--------------|-------------|---------------|-------|--------------|--------------|--------------|---------------|-------|
| C152         | NCB31HK-183X | C CAPACITOR | 0.018uF 50V K |       | C349         | NCF31CZ-104X | C CAPACITOR  | 0.1uF 16V Z   |       |
| C153         | NCB31HK-392X | C CAPACITOR | 3900pF 50V K  |       | C350         | NCF31CZ-104X | C CAPACITOR  | 0.1uF 16V Z   |       |
| C154         | NCS31HJ-680X | C CAPACITOR | 68pF 50V J    |       | C353         | NCB31CK-104X | C CAPACITOR  | 0.1uF 16V K   |       |
| C155         | NCS31HJ-680X | C CAPACITOR | 68pF 50V J    |       | C360         | QETN1EM-476Z | E CAPACITOR  | 47uF 25V M    |       |
| C156         | NCS31HJ-120X | C CAPACITOR | 12pF 50V J    |       | C362         | NCF31CZ-104X | C CAPACITOR  | 0.1uF 16V Z   |       |
| C157         | NCB31HK-102X | C CAPACITOR | 1000pF 50V K  |       | C363         | QETN1EM-476Z | E CAPACITOR  | 47uF 25V M    |       |
| C158         | NCS31HJ-221X | C CAPACITOR | 220pF 50V J   |       | C402         | QTE0J28-477Z | E CAPACITOR  | 470uF 6.3V    |       |
| C159         | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z   |       | C403         | QFVJ1HJ-224Z | MF CAPACITOR | 0.22uF 50V J  |       |
| C160         | NCS31HJ-820X | C CAPACITOR | 82pF 50V J    |       | C404         | QFN31HJ-103Z | M CAPACITOR  | 0.01uF 50V J  |       |
| C161         | NCS31HJ-180X | C CAPACITOR | 18pF 50V J    |       | C405         | NCB31CK-103X | C CAPACITOR  | 0.01uF 16V K  |       |
| C162         | NCS31HJ-181X | C CAPACITOR | 180pF 50V J   |       | C406         | QCZ0202-155Z | C CAPACITOR  | 1.5uF 25V Z   |       |
| C203         | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z   |       | C407         | QCZ0202-155Z | C CAPACITOR  | 1.5uF 25V Z   |       |
| C204         | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z   |       | C408         | QTE0J46-477Z | E CAPACITOR  | 470uF 6.3V    |       |
| C205         | NCS31HJ-121X | C CAPACITOR | 120pF 50V J   |       | C409         | NCB31HK-152X | C CAPACITOR  | 1500pF 50V K  |       |
| C207         | NCS31HJ-391X | C CAPACITOR | 390pF 50V J   |       | C410         | QFLC1HJ-122Z | M CAPACITOR  | 1200pF 50V J  |       |
| C208         | NCS31HJ-391X | C CAPACITOR | 390pF 50V J   |       | C411         | QFLC1HJ-122Z | M CAPACITOR  | 1200pF 50V J  |       |
| C211         | NCB31HK-223X | C CAPACITOR | 0.022uF 50V K |       | C412         | QFLC1HJ-222Z | M CAPACITOR  | 2200pF 50V J  |       |
| C212         | NCB31CK-103X | C CAPACITOR | 0.01uF 16V K  |       | C413         | QFLC1HJ-222Z | M CAPACITOR  | 2200pF 50V J  |       |
| C216         | NCB30JK-105X | C CAPACITOR | 1uF 6.3V K    |       | C414         | QTE1E28-476Z | E CAPACITOR  | 47uF 25V      |       |
| C217         | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z   |       | C415         | QTE1E28-476Z | E CAPACITOR  | 47uF 25V      |       |
| C218         | NCB30JK-105X | C CAPACITOR | 1uF 6.3V K    |       | C416         | QFLC1HJ-102Z | M CAPACITOR  | 1000pF 50V J  |       |
| C251         | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z   |       | C417         | QFLC1HJ-102Z | M CAPACITOR  | 1000pF 50V J  |       |
| C253         | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z   |       | C418         | QFLC1HJ-102Z | M CAPACITOR  | 1000pF 50V J  |       |
| C255         | NCB31CK-153X | C CAPACITOR | 0.015uF 16V K |       | C419         | QTE1C46-107Z | E CAPACITOR  | 100uF 16V     |       |
| C256         | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K   |       | C420         | QTE1C46-107Z | E CAPACITOR  | 100uF 16V     |       |
| C257         | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z   |       | C421         | QTE1C46-107Z | E CAPACITOR  | 100uF 16V     |       |
| C258         | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z   |       | C422         | QTE1C46-107Z | E CAPACITOR  | 100uF 16V     |       |
| C259         | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z   |       | C423         | QTE1C46-107Z | E CAPACITOR  | 100uF 16V     |       |
| C260         | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z   |       | C424         | QTE1C46-107Z | E CAPACITOR  | 100uF 16V     |       |
| C261         | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z   |       | C425         | QTE1C46-107Z | E CAPACITOR  | 100uF 16V     |       |
| C262         | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z   |       | C426         | QFLC1HJ-123Z | M CAPACITOR  | 0.012uF 50V J |       |
| C263         | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z   |       | C427         | QFLC1HJ-102Z | M CAPACITOR  | 1000pF 50V J  |       |
| C264         | NCB31CK-103X | C CAPACITOR | 0.01uF 16V K  |       | C428         | QFLC1HJ-102Z | M CAPACITOR  | 1000pF 50V J  |       |
| C301         | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z   |       | C429         | QFLC1HJ-123Z | M CAPACITOR  | 0.012uF 50V J |       |
| C302         | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z   |       | C430         | QFLC1HJ-121Z | M CAPACITOR  | 120pF 50V J   |       |
| C303         | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z   |       | C431         | QFLC1HJ-472Z | M CAPACITOR  | 4700pF 50V J  |       |
| C304         | QETN1EM-476Z | E CAPACITOR | 47uF 25V M    |       | C432         | QFLC1HJ-472Z | M CAPACITOR  | 4700pF 50V J  |       |
| C306         | QETN0JM-227Z | E CAPACITOR | 220uF 6.3V M  |       | C433         | QFLC1HJ-121Z | M CAPACITOR  | 120pF 50V J   |       |
| C308         | QETN0JM-107Z | E CAPACITOR | 100uF 6.3V M  |       | C434         | QFLC1HJ-122Z | M CAPACITOR  | 1200pF 50V J  |       |
| C310         | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z   |       | C435         | QFLC1HJ-122Z | M CAPACITOR  | 1200pF 50V J  |       |
| C311         | NCS31HJ-561X | C CAPACITOR | 560pF 50V J   |       | C436         | QTE0J46-477Z | E CAPACITOR  | 470uF 6.3V    |       |
| C312         | NCS31HJ-561X | C CAPACITOR | 560pF 50V J   |       | C437         | QTE0J46-477Z | E CAPACITOR  | 470uF 6.3V    |       |
| C313         | NCS31HJ-561X | C CAPACITOR | 560pF 50V J   |       | C438         | QCZ0202-155Z | C CAPACITOR  | 1.5uF 25V Z   |       |
| C314         | NCS31HJ-331X | C CAPACITOR | 330pF 50V J   |       | C439         | QFN31HJ-103Z | M CAPACITOR  | 0.01uF 50V J  |       |
| C315         | NCS31HJ-471X | C CAPACITOR | 470pF 50V J   |       | C440         | QTE0J46-477Z | E CAPACITOR  | 470uF 6.3V    |       |
| C316         | NCS31HJ-271X | C CAPACITOR | 270pF 50V J   |       | C441         | QFVJ1HJ-224Z | MF CAPACITOR | 0.22uF 50V J  |       |
| C317         | NCS31HJ-121X | C CAPACITOR | 120pF 50V J   |       | C443         | QTE0J28-477Z | E CAPACITOR  | 470uF 6.3V    |       |
| C318         | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z   |       | C444         | NCB31CK-103X | C CAPACITOR  | 0.01uF 16V K  |       |
| C319         | NCB31HK-102X | C CAPACITOR | 1000pF 50V K  |       | C445         | NCB31HK-152X | C CAPACITOR  | 1500pF 50V K  |       |
| C320         | NCB31HK-102X | C CAPACITOR | 1000pF 50V K  |       | C446         | QFLC1HJ-222Z | M CAPACITOR  | 2200pF 50V J  |       |
| C321         | NCB31HK-102X | C CAPACITOR | 1000pF 50V K  |       | C447         | QFLC1HJ-222Z | M CAPACITOR  | 2200pF 50V J  |       |
| C322         | NCB31HK-562X | C CAPACITOR | 5600pF 50V K  |       | C448         | QTE1E28-476Z | E CAPACITOR  | 47uF 25V      |       |
| C323         | NCB31HK-102X | C CAPACITOR | 1000pF 50V K  |       | C449         | QTE1E28-476Z | E CAPACITOR  | 47uF 25V      |       |
| C324         | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z   |       | C450         | QFLC1HJ-102Z | M CAPACITOR  | 1000pF 50V J  |       |
| C325         | NCS31HJ-470X | C CAPACITOR | 47pF 50V J    |       | C451         | QFLC1HJ-121Z | M CAPACITOR  | 120pF 50V J   |       |
| C326         | NCB31CK-183X | C CAPACITOR | 0.018uF 16V K |       | C452         | QFLC1HJ-472Z | M CAPACITOR  | 4700pF 50V J  |       |
| C327         | NCB31HK-102X | C CAPACITOR | 1000pF 50V K  |       | C453         | QFLC1HJ-472Z | M CAPACITOR  | 4700pF 50V J  |       |
| C328         | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z   |       | C454         | QFLC1HJ-121Z | M CAPACITOR  | 120pF 50V J   |       |
| C329         | NCB31CK-103X | C CAPACITOR | 0.01uF 16V K  |       | C455         | QFLC1HJ-123Z | M CAPACITOR  | 0.012uF 50V J |       |
| C330         | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K   |       | C456         | QTE1C46-107Z | E CAPACITOR  | 100uF 16V     |       |
| C331         | NCB31CK-103X | C CAPACITOR | 0.01uF 16V K  |       | C457         | QFLC1HJ-102Z | M CAPACITOR  | 1000pF 50V J  |       |
| C332         | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z   |       | C458         | QFLC1HJ-123Z | M CAPACITOR  | 0.012uF 50V J |       |
| C333         | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K   |       | C460         | QCZ0202-155Z | C CAPACITOR  | 1.5uF 25V Z   |       |
| C334         | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K   |       | C461         | NCB30JK-105X | C CAPACITOR  | 1uF 6.3V K    |       |
| C335         | NCB31HK-102X | C CAPACITOR | 1000pF 50V K  |       | C462         | NCB30JK-105X | C CAPACITOR  | 1uF 6.3V K    |       |
| C336         | NCB31HK-472X | C CAPACITOR | 4700pF 50V K  |       | C463         | NCB30JK-105X | C CAPACITOR  | 1uF 6.3V K    |       |
| C337         | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z   |       | C464         | NCB30JK-105X | C CAPACITOR  | 1uF 6.3V K    |       |
| C338         | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z   |       | C471         | QFLC1HJ-102Z | M CAPACITOR  | 1000pF 50V J  |       |
| C339         | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K   |       | C500         | NCS31HJ-471X | C CAPACITOR  | 470pF 50V J   |       |
| C340         | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K   |       | C501         | NCB31CK-104X | C CAPACITOR  | 0.1uF 16V K   |       |
| C341         | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z   |       | C502         | NCS31HJ-101X | C CAPACITOR  | 100pF 50V J   |       |
| C342         | NCS31HJ-101X | C CAPACITOR | 100pF 50V J   |       | C503         | NCS31HJ-101X | C CAPACITOR  | 100pF 50V J   |       |
| C343         | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z   |       | C504         | NCS31HJ-101X | C CAPACITOR  | 100pF 50V J   |       |
| C344         | NCS31HJ-101X | C CAPACITOR | 100pF 50V J   |       | C505         | NCS31HJ-101X | C CAPACITOR  | 100pF 50V J   |       |
| C345         | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z   |       | C506         | NDC31HJ-150X | C CAPACITOR  | 15pF 50V J    |       |
| C346         | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z   |       | C507         | NDC31HJ-180X | C CAPACITOR  | 18pF 50V J    |       |
| C347         | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z   |       | C508         | NCS31HJ-101X | C CAPACITOR  | 100pF 50V J   |       |
| C348         | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K   |       | C509         | NCS31HJ-101X | C CAPACITOR  | 100pF 50V J   |       |

<Local area>

XV-NA70BK C:70 J:70J XV-NA77SL A:77A B:77B C:77C E:77E  
EE:77EE EN:77EN EV:77EV J:77J UF:77UF UJ:77UJ US:77US

(No.XA011)3-9

| △ Symbol No. | Part No.     | Part Name   | Description  | Local       | △ Symbol No. | Part No.     | Part Name    | Description  | Local       |
|--------------|--------------|-------------|--------------|-------------|--------------|--------------|--------------|--------------|-------------|
| C510         | NCS31HJ-101X | C CAPACITOR | 100pF 50V J  |             | C608         | QETN1HM-106Z | E CAPACITOR  | 10uF 50V M   | only Europe |
| C511         | NCS31HJ-101X | C CAPACITOR | 100pF 50V J  |             | C609         | QETN1EM-476Z | E CAPACITOR  | 47uF 25V M   |             |
| C512         | NCS31HJ-101X | C CAPACITOR | 100pF 50V J  |             | C610         | QETN0JM-107Z | E CAPACITOR  | 100uF 6.3V M | only Europe |
| C513         | NCS31HJ-101X | C CAPACITOR | 100pF 50V J  |             | C611         | QTE0J24-227Z | E CAPACITOR  | 220uF 6.3V   |             |
| C514         | NCS31HJ-101X | C CAPACITOR | 100pF 50V J  |             | C612         | QFN31HJ-103Z | M CAPACITOR  | 0.01uF 50V J |             |
| C515         | NCS31HJ-101X | C CAPACITOR | 100pF 50V J  |             | C613         | NCB31CK-104X | C CAPACITOR  | 0.1uF 16V K  |             |
| C516         | NCS31HJ-101X | C CAPACITOR | 100pF 50V J  |             | C614         | NCB31CK-104X | C CAPACITOR  | 0.1uF 16V K  |             |
| C517         | NCS31HJ-101X | C CAPACITOR | 100pF 50V J  |             | C615         | NCB30JK-105X | C CAPACITOR  | 1uF 6.3V K   |             |
| C518         | NCS31HJ-101X | C CAPACITOR | 100pF 50V J  |             | C616         | NCB30JK-105X | C CAPACITOR  | 1uF 6.3V K   |             |
| C519         | NCS31HJ-101X | C CAPACITOR | 100pF 50V J  |             | C617         | NCB30JK-105X | C CAPACITOR  | 1uF 6.3V K   |             |
| C520         | NCS31HJ-101X | C CAPACITOR | 100pF 50V J  |             | C618         | NCB31HK-103X | C CAPACITOR  | 0.01uF 50V K |             |
| C521         | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z  |             | C620         | NCB30JK-105X | C CAPACITOR  | 1uF 6.3V K   |             |
| C522         | NCS31HJ-101X | C CAPACITOR | 100pF 50V J  |             | C621         | QETN1EM-226Z | E CAPACITOR  | 22uF 25V M   |             |
| C523         | NCS31HJ-101X | C CAPACITOR | 100pF 50V J  |             | C622         | NCB30JK-105X | C CAPACITOR  | 1uF 6.3V K   |             |
| C524         | QEZ0653-107Z | E CAPACITOR | 100uF        |             | C623         | NCB30JK-105X | C CAPACITOR  | 1uF 6.3V K   |             |
| C525         | NCS31HJ-101X | C CAPACITOR | 100pF 50V J  |             | C624         | NCB30JK-105X | C CAPACITOR  | 1uF 6.3V K   |             |
| C526         | NCS31HJ-101X | C CAPACITOR | 100pF 50V J  |             | C628         | NCB31CK-104X | C CAPACITOR  | 0.1uF 16V K  |             |
| C527         | QEZ0653-107Z | E CAPACITOR | 100uF        |             | C629         | NCB31CK-104X | C CAPACITOR  | 0.1uF 16V K  |             |
| C528         | NCS31HJ-101X | C CAPACITOR | 100pF 50V J  |             | C630         | QFN31HJ-104Z | M CAPACITOR  | 0.1uF 50V J  |             |
| C529         | NCS31HJ-101X | C CAPACITOR | 100pF 50V J  |             | C631         | QTE0J24-227Z | E CAPACITOR  | 220uF 6.3V   |             |
| C530         | NCS31HJ-101X | C CAPACITOR | 100pF 50V J  |             | C634         | QETN1EM-476Z | E CAPACITOR  | 47uF 25V M   |             |
| C531         | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z  |             | C636         | NCB31CK-104X | C CAPACITOR  | 0.1uF 16V K  |             |
| C532         | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z  |             | C637         | NCB31CK-104X | C CAPACITOR  | 0.1uF 16V K  |             |
| C533         | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z  |             | C638         | NCB31CK-104X | C CAPACITOR  | 0.1uF 16V K  |             |
| C534         | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z  |             | C639         | NCB31CK-104X | C CAPACITOR  | 0.1uF 16V K  |             |
| C535         | NCS31HJ-101X | C CAPACITOR | 100pF 50V J  |             | C640         | NCB31CK-104X | C CAPACITOR  | 0.1uF 16V K  |             |
| C536         | NCS31HJ-101X | C CAPACITOR | 100pF 50V J  |             | C641         | NCB31CK-104X | C CAPACITOR  | 0.1uF 16V K  |             |
| C537         | NCS31HJ-101X | C CAPACITOR | 100pF 50V J  |             | C642         | NCB31CK-104X | C CAPACITOR  | 0.1uF 16V K  |             |
| C539         | NCS31HJ-101X | C CAPACITOR | 100pF 50V J  |             | C643         | QEZ0653-107Z | E CAPACITOR  | 100uF        |             |
| C540         | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z  |             | C645         | NCB31HK-221X | C CAPACITOR  | 220pF 50V K  |             |
| C541         | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z  |             | C651         | QTE1A46-477Z | E CAPACITOR  | 470uF 10V    |             |
| C542         | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K  |             | C653         | QTE1A46-477Z | E CAPACITOR  | 470uF 10V    |             |
| C543         | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z  |             | C655         | QTE1A46-477Z | E CAPACITOR  | 470uF 10V    |             |
| C544         | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z  |             | C657         | QTE1A46-477Z | E CAPACITOR  | 470uF 10V    |             |
| C545         | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z  |             | C659         | QTE1A46-477Z | E CAPACITOR  | 470uF 10V    |             |
| C547         | NCS31HJ-101X | C CAPACITOR | 100pF 50V J  |             | C661         | NCB31HK-221X | C CAPACITOR  | 220pF 50V K  |             |
| C548         | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z  |             | C662         | NCS31HJ-471X | C CAPACITOR  | 470pF 50V J  |             |
| C550         | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z  |             | C663         | NCS31HJ-121X | C CAPACITOR  | 120pF 50V J  |             |
| C552         | NCB30JK-105X | C CAPACITOR | 1uF 6.3V K   |             | C664         | NCS31HJ-121X | C CAPACITOR  | 120pF 50V J  |             |
| C553         | QETN1EM-476Z | E CAPACITOR | 47uF 25V M   |             | C665         | NCS31HJ-121X | C CAPACITOR  | 120pF 50V J  |             |
| C554         | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z  |             | C666         | NCS31HJ-470X | C CAPACITOR  | 47pF 50V J   |             |
| C555         | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z  |             | C667         | NCS31HJ-101X | C CAPACITOR  | 100pF 50V J  |             |
| C556         | NCS31HJ-101X | C CAPACITOR | 100pF 50V J  |             | C668         | NCS31HJ-101X | C CAPACITOR  | 100pF 50V J  |             |
| C557         | NCS31HJ-101X | C CAPACITOR | 100pF 50V J  |             | C700         | QTE0J28-477Z | E CAPACITOR  | 470uF 6.3V   |             |
| C558         | NCS31HJ-101X | C CAPACITOR | 100pF 50V J  |             | C701         | NCB31HK-152X | C CAPACITOR  | 1500pF 50V K |             |
| C559         | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z  |             | C702         | QFLC1HJ-182Z | M CAPACITOR  | 1800pF 50V J |             |
| C560         | NCS31HJ-101X | C CAPACITOR | 100pF 50V J  |             | C703         | QTE1E28-476Z | E CAPACITOR  | 47uF 25V     |             |
| C562         | QETN1EM-476Z | E CAPACITOR | 47uF 25V M   |             | C704         | QTE1C46-227Z | E CAPACITOR  | 220uF 16V    |             |
| C563         | QETN1EM-476Z | E CAPACITOR | 47uF 25V M   |             | C705         | QTE1C46-227Z | E CAPACITOR  | 220uF 16V    |             |
| C565         | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z  |             | C706         | QTE1C46-227Z | E CAPACITOR  | 220uF 16V    |             |
| C567         | QFN31HJ-103Z | M CAPACITOR | 0.01uF 50V J |             | C707         | QFLC1HJ-103Z | M CAPACITOR  | 0.01uF 50V J |             |
| C568         | QTE0J24-227Z | E CAPACITOR | 220uF 6.3V   |             | C708         | QFLC1HJ-272Z | M CAPACITOR  | 2700pF 50V J |             |
| C569         | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z  |             | C709         | QFLC1HJ-561Z | M CAPACITOR  | 560pF 50V J  |             |
| C570         | QETN1EM-476Z | E CAPACITOR | 47uF 25V M   |             | C710         | QTE1C46-227Z | E CAPACITOR  | 220uF 16V    |             |
| C571         | NCB30JK-105X | C CAPACITOR | 1uF 6.3V K   |             | C711         | QFLC1HJ-182Z | M CAPACITOR  | 1800pF 50V J |             |
| C572         | QETN1EM-476Z | E CAPACITOR | 47uF 25V M   |             | C712         | QFLC1HJ-121Z | M CAPACITOR  | 120pF 50V J  |             |
| C573         | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z  |             | C713         | QFLC1HJ-561Z | M CAPACITOR  | 560pF 50V J  |             |
| C575         | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J   |             | C714         | QTE0J46-108Z | E CAPACITOR  | 1000uF 6.3V  |             |
| C576         | QETN1EM-476Z | E CAPACITOR | 47uF 25V M   |             | C715         | NCB31CK-103X | C CAPACITOR  | 0.01uF 16V K |             |
| C577         | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z  |             | C716         | QTE0J46-108Z | E CAPACITOR  | 1000uF 6.3V  |             |
| C580         | QETN1EM-476Z | E CAPACITOR | 47uF 25V M   |             | C717         | QCZ0202-155Z | C CAPACITOR  | 1.5uF 25V Z  |             |
| C581         | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z  |             | C718         | NCB31HK-152X | C CAPACITOR  | 1500pF 50V K |             |
| C582         | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J   |             | C719         | NCS31HJ-151X | C CAPACITOR  | 150pF 50V J  |             |
| C586         | QTE0J28-107Z | E CAPACITOR | 100uF 6.3V   |             | C720         | QETN1EM-475Z | E CAPACITOR  | 4.7uF 25V M  |             |
| C588         | QETN1EM-476Z | E CAPACITOR | 47uF 25V M   |             | C721         | NCF31CZ-104X | C CAPACITOR  | 0.1uF 16V Z  |             |
| C589         | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z    |             | C722         | QEZ0653-107Z | E CAPACITOR  | 100uF        |             |
| C590         | QETN1EM-476Z | E CAPACITOR | 47uF 25V M   |             | C723         | QEZ0653-107Z | E CAPACITOR  | 100uF        |             |
| C591         | NCB31AK-334X | C CAPACITOR | 0.33uF 10V K |             | C724         | NCS31HJ-331X | C CAPACITOR  | 330pF 50V J  |             |
| C592         | NCB31AK-334X | C CAPACITOR | 0.33uF 10V K |             | C725         | QCZ0202-155Z | C CAPACITOR  | 1.5uF 25V Z  |             |
| C593         | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z  |             | C726         | QFLC1HJ-561Z | M CAPACITOR  | 560pF 50V J  |             |
| C594         | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |             | C727         | QFLC1HJ-121Z | M CAPACITOR  | 120pF 50V J  |             |
| C595         | QETN1EM-476Z | E CAPACITOR | 47uF 25V M   |             | C728         | QFLC1HJ-182Z | M CAPACITOR  | 1800pF 50V J |             |
| C598         | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z  |             | C729         | QFLC1HJ-272Z | M CAPACITOR  | 2700pF 50V J |             |
| C599         | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z  |             | C730         | QFVJ1HJ-224Z | MF CAPACITOR | 0.22uF 50V J |             |
| C600         | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | only Europe | C731         | QFN31HJ-103Z | M CAPACITOR  | 0.01uF 50V J |             |
| C601         | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |             | C732         | QFLC1HJ-561Z | M CAPACITOR  | 560pF 50V J  |             |
| C604         | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z    |             | C733         | QFLC1HJ-103Z | M CAPACITOR  | 0.01uF 50V J |             |
| C606         | NCB30JK-105X | C CAPACITOR | 1uF 6.3V K   |             | C734         | QFLC1HJ-561Z | M CAPACITOR  | 560pF 50V J  |             |

<Local area>

XV-NA70BK C:70 J:70J XV-NA77SL A:77A B:77B C:77C E:77E  
EE:77EE EN:77EN EV:77EV J:77J UF:77UF UJ:77UJ US:77US

| △ Symbol No. | Part No.     | Part Name    | Description   | Local | △ Symbol No. | Part No.     | Part Name    | Description   | Local |
|--------------|--------------|--------------|---------------|-------|--------------|--------------|--------------|---------------|-------|
| C735         | QFLC1HJ-182Z | M CAPACITOR  | 1800pF 50V J  |       | R219         | NRSA63J-183X | MG RESISTOR  | 18kΩ 1/16W J  |       |
| C736         | QFLC1HJ-561Z | M CAPACITOR  | 560pF 50V J   |       | R220         | NRSA63J-243X | MG RESISTOR  | 24kΩ 1/16W J  |       |
| C737         | NCB31CK-103X | C CAPACITOR  | 0.01uF 16V K  |       | R221         | NRSA63J-682X | MG RESISTOR  | 6.8kΩ 1/16W J |       |
| C739         | NCF31CZ-104X | C CAPACITOR  | 0.1uF 16V Z   |       | R222         | NRSA63J-103X | MG RESISTOR  | 10kΩ 1/16W J  |       |
| C740         | QCZ0202-155Z | C CAPACITOR  | 1.5uF 25V Z   |       | R223         | NRSA63J-912X | MG RESISTOR  | 9.1kΩ 1/16W J |       |
| C741         | QCZ0202-155Z | C CAPACITOR  | 1.5uF 25V Z   |       | R230         | NRSA63J-332X | MG RESISTOR  | 3.3kΩ 1/16W J |       |
| C746         | QTE1E28-476Z | E CAPACITOR  | 47uF 25V      |       | R251         | NRS125J-R47X | MG RESISTOR  | 0.47Ω 1/2W J  |       |
| C803         | NCF31CZ-104X | C CAPACITOR  | 0.1uF 16V Z   |       | R252         | NRSA63J-2R2X | MG RESISTOR  | 2.2Ω 1/16W J  |       |
| C804         | QEK1H1M-475Z | E CAPACITOR  | 4.7uF 50V M   |       | R254         | NRSA63J-203X | MG RESISTOR  | 20kΩ 1/16W J  |       |
| C5001        | NCF31CZ-104X | C CAPACITOR  | 0.1uF 16V Z   |       | R255         | NRSA63J-103X | MG RESISTOR  | 10kΩ 1/16W J  |       |
| C5004        | NCF31CZ-104X | C CAPACITOR  | 0.1uF 16V Z   |       | R256         | NRSA63J-470X | MG RESISTOR  | 47Ω 1/16W J   |       |
| C5005        | NRSA63J-0R0X | MG RESISTOR  | 0Ω 1/16W J    |       | R259         | NRSA63J-103X | MG RESISTOR  | 10kΩ 1/16W J  |       |
| C5006        | NRSA63J-0R0X | MG RESISTOR  | 0Ω 1/16W J    |       | R280         | NRSA63J-332X | MG RESISTOR  | 3.3kΩ 1/16W J |       |
| C5007        | NRSA63J-0R0X | MG RESISTOR  | 0Ω 1/16W J    |       | R301         | NRSA63J-473X | MG RESISTOR  | 47kΩ 1/16W J  |       |
| C5008        | NRSA63J-0R0X | MG RESISTOR  | 0Ω 1/16W J    |       | R302         | NRSA63J-473X | MG RESISTOR  | 47kΩ 1/16W J  |       |
|              |              |              |               |       | R303         | NRSA63J-473X | MG RESISTOR  | 47kΩ 1/16W J  |       |
| R101         | NRSA63J-333X | MG RESISTOR  | 33kΩ 1/16W J  |       | R304         | NRSA63J-473X | MG RESISTOR  | 47kΩ 1/16W J  |       |
| R102         | NRSA63J-223X | MG RESISTOR  | 22kΩ 1/16W J  |       | R305         | NRSA63J-473X | MG RESISTOR  | 47kΩ 1/16W J  |       |
| R103         | NRSA63J-223X | MG RESISTOR  | 22kΩ 1/16W J  |       | R306         | NRSA63J-473X | MG RESISTOR  | 47kΩ 1/16W J  |       |
| R104         | NRS125J-270X | MG RESISTOR  | 27Ω 1/2W J    |       | R307         | NRSA63J-473X | MG RESISTOR  | 47kΩ 1/16W J  |       |
| R105         | NRS125J-270X | MG RESISTOR  | 27Ω 1/2W J    |       | R308         | NRSA63J-0R0X | MG RESISTOR  | 0Ω 1/16W J    |       |
| R106         | NRSA63J-273X | MG RESISTOR  | 27kΩ 1/16W J  |       | R309         | NRSA63J-473X | MG RESISTOR  | 47kΩ 1/16W J  |       |
| R107         | NRSA63J-273X | MG RESISTOR  | 27kΩ 1/16W J  |       | R313         | NRSA63J-473X | MG RESISTOR  | 47kΩ 1/16W J  |       |
| R108         | NRSA63J-222X | MG RESISTOR  | 2.2kΩ 1/16W J |       | R317         | NRSA63J-473X | MG RESISTOR  | 47kΩ 1/16W J  |       |
| R109         | NRSA63J-182X | MG RESISTOR  | 1.8kΩ 1/16W J |       | R320         | NRSA63J-105X | MG RESISTOR  | 1MΩ 1/16W J   |       |
| R110         | NRSA63J-333X | MG RESISTOR  | 33kΩ 1/16W J  |       | R321         | NRSA63J-473X | MG RESISTOR  | 47kΩ 1/16W J  |       |
| R111         | NRVA63D-243X | CMF RESISTOR | 24kΩ 1/16W D  |       | R323         | NRSA63J-473X | MG RESISTOR  | 47kΩ 1/16W J  |       |
| R112         | NRSA63J-822X | MG RESISTOR  | 8.2kΩ 1/16W J |       | R324         | NRSA63J-473X | MG RESISTOR  | 47kΩ 1/16W J  |       |
| R113         | NRSA63J-103X | MG RESISTOR  | 10kΩ 1/16W J  |       | R325         | NRSA63J-123X | MG RESISTOR  | 12kΩ 1/16W J  |       |
| R115         | NRSA63J-0R0X | MG RESISTOR  | 0Ω 1/16W J    |       | R326         | NRSA63J-473X | MG RESISTOR  | 47kΩ 1/16W J  |       |
| R119         | NRSA63J-2R2X | MG RESISTOR  | 2.2Ω 1/16W J  |       | R327         | NRSA63J-105X | MG RESISTOR  | 1MΩ 1/16W J   |       |
| R120         | NRSA63J-2R2X | MG RESISTOR  | 2.2Ω 1/16W J  |       | R328         | NRSA63J-153X | MG RESISTOR  | 15kΩ 1/16W J  |       |
| R121         | NRSA63J-472X | MG RESISTOR  | 4.7kΩ 1/16W J |       | R329         | NRSA63J-473X | MG RESISTOR  | 47kΩ 1/16W J  |       |
| R125         | NRSA63J-105X | MG RESISTOR  | 1MΩ 1/16W J   |       | R330         | NRSA63J-104X | MG RESISTOR  | 100kΩ 1/16W J |       |
| R126         | NRSA63J-105X | MG RESISTOR  | 1MΩ 1/16W J   |       | R331         | NRSA63J-0R0X | MG RESISTOR  | 0Ω 1/16W J    |       |
| R127         | NRSA63J-222X | MG RESISTOR  | 2.2kΩ 1/16W J |       | R332         | NRSA63J-102X | MG RESISTOR  | 1kΩ 1/16W J   |       |
| R128         | NRS125J-1R0X | MG RESISTOR  | 1Ω 1/2W J     |       | R333         | NRSA63J-183X | MG RESISTOR  | 18kΩ 1/16W J  |       |
| R129         | NRS125J-1R0X | MG RESISTOR  | 1Ω 1/2W J     |       | R334         | NRSA63J-102X | MG RESISTOR  | 1kΩ 1/16W J   |       |
| R130         | NRSA63J-182X | MG RESISTOR  | 1.8kΩ 1/16W J |       | R336         | NRSA63J-273X | MG RESISTOR  | 27kΩ 1/16W J  |       |
| R131         | NRSA63J-0R0X | MG RESISTOR  | 0Ω 1/16W J    |       | R337         | NRSA63J-273X | MG RESISTOR  | 27kΩ 1/16W J  |       |
| R132         | NRSA63J-332X | MG RESISTOR  | 3.3kΩ 1/16W J |       | R338         | NRSA63J-472X | MG RESISTOR  | 4.7kΩ 1/16W J |       |
| R133         | NRSA63J-332X | MG RESISTOR  | 3.3kΩ 1/16W J |       | R339         | NRSA63J-472X | MG RESISTOR  | 4.7kΩ 1/16W J |       |
| R134         | NRSA63J-563X | MG RESISTOR  | 56kΩ 1/16W J  |       | R340         | NRSA63J-103X | MG RESISTOR  | 10kΩ 1/16W J  |       |
| R135         | NRSA63J-563X | MG RESISTOR  | 56kΩ 1/16W J  |       | R341         | NRSA63J-562X | MG RESISTOR  | 5.6kΩ 1/16W J |       |
| R136         | NRSA63J-101X | MG RESISTOR  | 100Ω 1/16W J  |       | R342         | NRSA63J-0R0X | MG RESISTOR  | 0Ω 1/16W J    |       |
| R140         | NRSA63J-102X | MG RESISTOR  | 1kΩ 1/16W J   |       | R344         | NRSA63J-103X | MG RESISTOR  | 10kΩ 1/16W J  |       |
| R141         | NRSA63J-821X | MG RESISTOR  | 820Ω 1/16W J  |       | R345         | NRSA63J-681X | MG RESISTOR  | 680Ω 1/16W J  |       |
| R142         | NRSA63J-820X | MG RESISTOR  | 82Ω 1/16W J   |       | R347         | NRSA63J-101X | MG RESISTOR  | 100Ω 1/16W J  |       |
| R143         | NRSA63J-821X | MG RESISTOR  | 820Ω 1/16W J  |       | R348         | NRSA63J-101X | MG RESISTOR  | 100Ω 1/16W J  |       |
| R144         | NRSA63J-103X | MG RESISTOR  | 10kΩ 1/16W J  |       | R401         | NRVA63D-101X | CMF RESISTOR | 100Ω 1/16W D  |       |
| R145         | NRSA63J-102X | MG RESISTOR  | 1kΩ 1/16W J   |       | R402         | NRSA63J-103X | MG RESISTOR  | 10kΩ 1/16W J  |       |
| R146         | NRSA63J-102X | MG RESISTOR  | 1kΩ 1/16W J   |       | R403         | NRSA63J-103X | MG RESISTOR  | 10kΩ 1/16W J  |       |
| R147         | NRSA63J-222X | MG RESISTOR  | 2.2kΩ 1/16W J |       | R404         | NRVA63D-101X | CMF RESISTOR | 100Ω 1/16W D  |       |
| R148         | NRSA63J-123X | MG RESISTOR  | 12kΩ 1/16W J  |       | R405         | NRVA63D-561X | CMF RESISTOR | 560Ω 1/16W D  |       |
| R149         | NRSA63J-223X | MG RESISTOR  | 22kΩ 1/16W J  |       | R406         | NRVA63D-561X | CMF RESISTOR | 560Ω 1/16W D  |       |
| R150         | NRSA63J-223X | MG RESISTOR  | 22kΩ 1/16W J  |       | R407         | NRVA63D-273X | CMF RESISTOR | 27kΩ 1/16W D  |       |
| R151         | NRSA63J-222X | MG RESISTOR  | 2.2kΩ 1/16W J |       | R408         | NRVA63D-273X | CMF RESISTOR | 27kΩ 1/16W D  |       |
| R152         | NRSA63J-103X | MG RESISTOR  | 10kΩ 1/16W J  |       | R409         | NRVA63D-183X | CMF RESISTOR | 18kΩ 1/16W D  |       |
| R153         | NRSA63J-103X | MG RESISTOR  | 10kΩ 1/16W J  |       | R410         | NRVA63D-183X | CMF RESISTOR | 18kΩ 1/16W D  |       |
| R154         | NRSA63J-122X | MG RESISTOR  | 1.2kΩ 1/16W J |       | R411         | NRSA63J-221X | MG RESISTOR  | 220Ω 1/16W J  |       |
| R155         | NRSA63J-821X | MG RESISTOR  | 820Ω 1/16W J  |       | R412         | QRE141J-102Y | C RESISTOR   | 1kΩ 1/4W J    |       |
| R156         | NRSA63J-103X | MG RESISTOR  | 10kΩ 1/16W J  |       | R413         | NRSA63J-221X | MG RESISTOR  | 220Ω 1/16W J  |       |
| R157         | NRSA63J-242X | MG RESISTOR  | 2.4kΩ 1/16W J |       | R414         | QRE141J-102Y | C RESISTOR   | 1kΩ 1/4W J    |       |
| R201         | NRSA63J-470X | MG RESISTOR  | 47Ω 1/16W J   |       | R415         | NRSA63J-221X | MG RESISTOR  | 220Ω 1/16W J  |       |
| R202         | NRS125J-1R0X | MG RESISTOR  | 1Ω 1/2W J     |       | R416         | NRSA63J-221X | MG RESISTOR  | 220Ω 1/16W J  |       |
| R204         | NRSA63J-273X | MG RESISTOR  | 27kΩ 1/16W J  |       | R417         | NRVA63D-751X | CMF RESISTOR | 750Ω 1/16W D  |       |
| R205         | NRSA63J-273X | MG RESISTOR  | 27kΩ 1/16W J  |       | R418         | NRVA63D-751X | CMF RESISTOR | 750Ω 1/16W D  |       |
| R206         | NRSA63J-303X | MG RESISTOR  | 30kΩ 1/16W J  |       | R419         | NRVA63D-751X | CMF RESISTOR | 750Ω 1/16W D  |       |
| R207         | NRSA63J-473X | MG RESISTOR  | 47kΩ 1/16W J  |       | R420         | NRVA63D-751X | CMF RESISTOR | 750Ω 1/16W D  |       |
| R208         | NRSA63J-223X | MG RESISTOR  | 22kΩ 1/16W J  |       | R421         | NRVA63D-363X | CMF RESISTOR | 36kΩ 1/16W D  |       |
| R209         | NRSA63J-223X | MG RESISTOR  | 22kΩ 1/16W J  |       | R422         | NRVA63D-162X | CMF RESISTOR | 1.6kΩ 1/16W D |       |
| R210         | NRSA63J-392X | MG RESISTOR  | 3.9kΩ 1/16W J |       | R423         | NRVA63D-362X | CMF RESISTOR | 3.6kΩ 1/16W D |       |
| R211         | NRSA63J-392X | MG RESISTOR  | 3.9kΩ 1/16W J |       | R424         | NRVA63D-272X | CMF RESISTOR | 2.7kΩ 1/16W D |       |
| R212         | NRSA63J-103X | MG RESISTOR  | 10kΩ 1/16W J  |       | R425         | NRVA63D-362X | CMF RESISTOR | 3.6kΩ 1/16W D |       |
| R213         | NRSA63J-103X | MG RESISTOR  | 10kΩ 1/16W J  |       | R426         | NRVA63D-272X | CMF RESISTOR | 2.7kΩ 1/16W D |       |
| R214         | NRSA63J-103X | MG RESISTOR  | 10kΩ 1/16W J  |       | R427         | NRVA63D-162X | CMF RESISTOR | 1.6kΩ 1/16W D |       |
| R215         | NRSA63J-103X | MG RESISTOR  | 10kΩ 1/16W J  |       | R428         | NRVA63D-363X | CMF RESISTOR | 36kΩ 1/16W D  |       |
| R216         | NRSA63J-912X | MG RESISTOR  | 9.1kΩ 1/16W J |       | R429         | NRVA63D-183X | CMF RESISTOR | 18kΩ 1/16W D  |       |

<Local area>

XV-NA70BK C:70 J:70J XV-NA77SL A:77A B:77B C:77C E:77E  
EE:77EE EN:77EN EV:77EV J:77J UF:77UF UJ:77UJ US:77US

(No.XA011)3-11

| △ Symbol No. | Part No.     | Part Name    | Description   | Local | △ Symbol No. | Part No.     | Part Name    | Description   | Local         |
|--------------|--------------|--------------|---------------|-------|--------------|--------------|--------------|---------------|---------------|
| R430         | NRVA63D-183X | CMF RESISTOR | 18kΩ 1/16W D  |       | R527         | NRSA63J-331X | MG RESISTOR  | 330Ω 1/16W J  |               |
| R431         | NRVA63D-303X | CMF RESISTOR | 30kΩ 1/16W D  |       | R529         | NRSA63J-103X | MG RESISTOR  | 10kΩ 1/16W J  |               |
| R432         | NRVA63D-303X | CMF RESISTOR | 30kΩ 1/16W D  |       | R533         | NRSA63J-0R0X | MG RESISTOR  | 0Ω 1/16W J    |               |
| R433         | NRVA63D-272X | CMF RESISTOR | 2.7kΩ 1/16W D |       | R563         | NRSA63J-151X | MG RESISTOR  | 150Ω 1/16W J  |               |
| R434         | NRVA63D-272X | CMF RESISTOR | 2.7kΩ 1/16W D |       | R564         | NRSA63J-151X | MG RESISTOR  | 150Ω 1/16W J  |               |
| R435         | NRVA63D-303X | CMF RESISTOR | 30kΩ 1/16W D  |       | R565         | NRSA63J-473X | MG RESISTOR  | 47kΩ 1/16W J  |               |
| R436         | NRVA63D-183X | CMF RESISTOR | 18kΩ 1/16W D  |       | R566         | NRVA63D-122X | CMF RESISTOR | 1.2kΩ 1/16W D |               |
| R437         | NRVA63D-303X | CMF RESISTOR | 30kΩ 1/16W D  |       | R567         | NRSA63F-820X | MG RESISTOR  | 82Ω 1/16W F   |               |
| R438         | NRVA63D-183X | CMF RESISTOR | 18kΩ 1/16W D  |       | R568         | NRSA63F-750X | MG RESISTOR  | 75Ω 1/16W F   |               |
| R439         | NRSA63J-470X | MG RESISTOR  | 47Ω 1/16W J   |       | R570         | NRSA63J-100X | MG RESISTOR  | 10Ω 1/16W J   |               |
| R440         | NRSA63J-470X | MG RESISTOR  | 47Ω 1/16W J   |       | R573         | NRSA63J-162X | MG RESISTOR  | 1.6kΩ 1/16W J |               |
| R441         | NRVA63D-332X | CMF RESISTOR | 3.3kΩ 1/16W D |       | R574         | NRSA63J-162X | MG RESISTOR  | 1.6kΩ 1/16W J |               |
| R442         | NRSA63J-220X | MG RESISTOR  | 22Ω 1/16W J   |       | R575         | NRSA63J-151X | MG RESISTOR  | 150Ω 1/16W J  |               |
| R443         | NRSA63J-471X | MG RESISTOR  | 470Ω 1/16W J  |       | R576         | NRSA63J-151X | MG RESISTOR  | 150Ω 1/16W J  |               |
| R444         | NRSA63J-471X | MG RESISTOR  | 470Ω 1/16W J  |       | R578         | NRSA63J-151X | MG RESISTOR  | 150Ω 1/16W J  |               |
| R445         | NRSA63J-100X | MG RESISTOR  | 10Ω 1/16W J   |       | R583         | NRSA63J-101X | MG RESISTOR  | 100Ω 1/16W J  |               |
| R448         | NRSA63J-471X | MG RESISTOR  | 470Ω 1/16W J  |       | R589         | NRSA63J-0R0X | MG RESISTOR  | 0Ω 1/16W J    |               |
| R449         | NRSA63J-471X | MG RESISTOR  | 470Ω 1/16W J  |       | R600         | NRSA63J-472X | MG RESISTOR  | 4.7kΩ 1/16W J |               |
| R450         | NRSA63J-471X | MG RESISTOR  | 470Ω 1/16W J  |       | R603         | NRSA63J-222X | MG RESISTOR  | 2.2kΩ 1/16W J |               |
| R451         | NRSA63J-471X | MG RESISTOR  | 470Ω 1/16W J  |       | R604         | NRSA63J-222X | MG RESISTOR  | 2.2kΩ 1/16W J |               |
| R452         | NRSA63J-100X | MG RESISTOR  | 10Ω 1/16W J   |       | R605         | NRSA63J-102X | MG RESISTOR  | 1kΩ 1/16W J   |               |
| R453         | NRVA63D-101X | CMF RESISTOR | 100Ω 1/16W D  |       | R607         | NRSA63J-103X | MG RESISTOR  | 10kΩ 1/16W J  |               |
| R454         | NRSA63J-103X | MG RESISTOR  | 10kΩ 1/16W J  |       | R608         | NRSA63J-750X | MG RESISTOR  | 75Ω 1/16W J   |               |
| R455         | NRSA63J-103X | MG RESISTOR  | 10kΩ 1/16W J  |       | R609         | NRSA63J-750X | MG RESISTOR  | 75Ω 1/16W J   |               |
| R456         | NRVA63D-101X | CMF RESISTOR | 100Ω 1/16W D  |       | R610         | NRSA63J-750X | MG RESISTOR  | 75Ω 1/16W J   |               |
| R457         | NRVA63D-561X | CMF RESISTOR | 560Ω 1/16W D  |       | R611         | NRSA63J-750X | MG RESISTOR  | 75Ω 1/16W J   |               |
| R458         | NRVA63D-273X | CMF RESISTOR | 27kΩ 1/16W D  |       | R612         | NRSA63J-750X | MG RESISTOR  | 75Ω 1/16W J   |               |
| R459         | NRVA63D-273X | CMF RESISTOR | 27kΩ 1/16W D  |       | R613         | NRSA63J-750X | MG RESISTOR  | 75Ω 1/16W J   |               |
| R460         | NRVA63D-561X | CMF RESISTOR | 560Ω 1/16W D  |       | R614         | NRSA63J-0R0X | MG RESISTOR  | 0Ω 1/16W J    |               |
| R461         | NRVA63D-183X | CMF RESISTOR | 18kΩ 1/16W D  |       | R618         | NRSA63F-750X | MG RESISTOR  | 75Ω 1/16W F   |               |
| R462         | NRSA63J-221X | MG RESISTOR  | 220Ω 1/16W J  |       | R622         | NRSA63J-223X | MG RESISTOR  | 22kΩ 1/16W J  |               |
| R463         | NRVA63D-183X | CMF RESISTOR | 18kΩ 1/16W D  |       | R624         | NRSA63J-104X | MG RESISTOR  | 100kΩ 1/16W J | only Europe   |
| R464         | NRSA63J-221X | MG RESISTOR  | 220Ω 1/16W J  |       | R625         | NRSA63J-102X | MG RESISTOR  | 1kΩ 1/16W J   | only Europe   |
| R465         | QRE141J-102Y | C RESISTOR   | 1kΩ 1/4W J    |       | R626         | NRSA63J-102X | MG RESISTOR  | 1kΩ 1/16W J   | only Europe   |
| R466         | NRSA63J-221X | MG RESISTOR  | 220Ω 1/16W J  |       | R628         | NRSA63F-101X | MG RESISTOR  | 100Ω 1/16W F  |               |
| R467         | QRE141J-102Y | C RESISTOR   | 1kΩ 1/4W J    |       | R629         | NRSA63F-101X | MG RESISTOR  | 100Ω 1/16W F  |               |
| R468         | NRSA63J-221X | MG RESISTOR  | 220Ω 1/16W J  |       | R630         | NRSA63F-750X | MG RESISTOR  | 75Ω 1/16W F   |               |
| R469         | NRVA63D-751X | CMF RESISTOR | 750Ω 1/16W D  |       | R631         | NRVA63D-272X | CMF RESISTOR | 2.7kΩ 1/16W D |               |
| R471         | NRVA63D-751X | CMF RESISTOR | 750Ω 1/16W D  |       | R632         | NRSA63J-0R0X | MG RESISTOR  | 0Ω 1/16W J    | only Europe   |
| R472         | NRVA63D-751X | CMF RESISTOR | 750Ω 1/16W D  |       | R637         | NRSA63J-0R0X | MG RESISTOR  | 0Ω 1/16W J    | only Europe   |
| R473         | NRVA63D-751X | CMF RESISTOR | 750Ω 1/16W D  |       | R639         | NRSA63J-0R0X | MG RESISTOR  | 0Ω 1/16W J    |               |
| R474         | NRVA63D-183X | CMF RESISTOR | 18kΩ 1/16W D  |       | R643         | NRSA63F-820X | MG RESISTOR  | 82Ω 1/16W F   |               |
| R475         | NRVA63D-162X | CMF RESISTOR | 1.6kΩ 1/16W D |       | R644         | NRSA63F-620X | MG RESISTOR  | 62Ω 1/16W F   | only Europe   |
| R476         | NRVA63D-363X | CMF RESISTOR | 36kΩ 1/16W D  |       | R644         | NRSA63F-680X | MG RESISTOR  | 68Ω 1/16W F   | except Europe |
| R477         | NRVA63D-183X | CMF RESISTOR | 18kΩ 1/16W D  |       | R645         | NRSA63F-620X | MG RESISTOR  | 62Ω 1/16W F   | only Europe   |
| R478         | NRVA63D-362X | CMF RESISTOR | 3.6kΩ 1/16W D |       | R645         | NRSA63F-680X | MG RESISTOR  | 68Ω 1/16W F   | except Europe |
| R479         | NRVA63D-272X | CMF RESISTOR | 2.7kΩ 1/16W D |       | R646         | NRSA63F-750X | MG RESISTOR  | 75Ω 1/16W F   |               |
| R480         | NRVA63D-272X | CMF RESISTOR | 2.7kΩ 1/16W D |       | R649         | NRSA63J-0R0X | MG RESISTOR  | 0Ω 1/16W J    |               |
| R481         | NRVA63D-303X | CMF RESISTOR | 30kΩ 1/16W D  |       | R654         | NRSA63J-102X | MG RESISTOR  | 1kΩ 1/16W J   | except Europe |
| R482         | NRVA63D-303X | CMF RESISTOR | 30kΩ 1/16W D  |       | R700         | NRSA63J-105X | MG RESISTOR  | 1MΩ 1/16W J   |               |
| R483         | NRVA63D-362X | CMF RESISTOR | 3.6kΩ 1/16W D |       | R701         | NRSA63J-103X | MG RESISTOR  | 10kΩ 1/16W J  |               |
| R484         | NRVA63D-272X | CMF RESISTOR | 2.7kΩ 1/16W D |       | R702         | NRSA63J-104X | MG RESISTOR  | 100kΩ 1/16W J |               |
| R485         | NRVA63D-272X | CMF RESISTOR | 2.7kΩ 1/16W D |       | R703         | NRVA63D-101X | CMF RESISTOR | 100Ω 1/16W D  |               |
| R486         | NRVA63D-363X | CMF RESISTOR | 36kΩ 1/16W D  |       | R704         | NRVA63D-561X | CMF RESISTOR | 560Ω 1/16W D  |               |
| R487         | NRVA63D-162X | CMF RESISTOR | 1.6kΩ 1/16W D |       | R705         | NRSA63J-103X | MG RESISTOR  | 10kΩ 1/16W J  |               |
| R488         | NRVA63D-183X | CMF RESISTOR | 18kΩ 1/16W D  |       | R706         | NRVA63D-273X | CMF RESISTOR | 27kΩ 1/16W D  |               |
| R489         | NRVA63D-183X | CMF RESISTOR | 18kΩ 1/16W D  |       | R709         | NRSA63J-103X | MG RESISTOR  | 10kΩ 1/16W J  |               |
| R490         | NRVA63D-303X | CMF RESISTOR | 30kΩ 1/16W D  |       | R710         | NRSA63J-473X | MG RESISTOR  | 47kΩ 1/16W J  |               |
| R491         | NRVA63D-303X | CMF RESISTOR | 30kΩ 1/16W D  |       | R711         | NRSA63J-473X | MG RESISTOR  | 47kΩ 1/16W J  |               |
| R492         | NRSA63J-470X | MG RESISTOR  | 47Ω 1/16W J   |       | R712         | NRSA63J-473X | MG RESISTOR  | 47kΩ 1/16W J  |               |
| R493         | NRSA63J-470X | MG RESISTOR  | 47Ω 1/16W J   |       | R713         | NRSA63J-221X | MG RESISTOR  | 220Ω 1/16W J  |               |
| R494         | NRVA63D-332X | CMF RESISTOR | 3.3kΩ 1/16W D |       | R714         | QRE141J-821Y | C RESISTOR   | 820Ω 1/4W J   |               |
| R495         | NRSA63J-220X | MG RESISTOR  | 22Ω 1/16W J   |       | R715         | NRVA63D-183X | CMF RESISTOR | 18kΩ 1/16W D  |               |
| R496         | NRSA63J-471X | MG RESISTOR  | 470Ω 1/16W J  |       | R716         | NRSA63J-221X | MG RESISTOR  | 220Ω 1/16W J  |               |
| R497         | NRSA63J-471X | MG RESISTOR  | 470Ω 1/16W J  |       | R717         | NRVA63D-621X | CMF RESISTOR | 620Ω 1/16W D  |               |
| R498         | NRSA63J-100X | MG RESISTOR  | 10Ω 1/16W J   |       | R718         | NRVA63D-183X | CMF RESISTOR | 18kΩ 1/16W D  |               |
| R499         | NRSA63J-100X | MG RESISTOR  | 10Ω 1/16W J   |       | R719         | QRE141J-821Y | C RESISTOR   | 820Ω 1/4W J   |               |
| R501         | NRSA63J-470X | MG RESISTOR  | 47Ω 1/16W J   |       | R720         | NRSA63J-221X | MG RESISTOR  | 220Ω 1/16W J  |               |
| R502         | NRSA63J-100X | MG RESISTOR  | 10Ω 1/16W J   |       | R721         | NRSA63J-221X | MG RESISTOR  | 220Ω 1/16W J  |               |
| R504         | NRSA63J-100X | MG RESISTOR  | 10Ω 1/16W J   |       | R722         | NRVA63D-621X | CMF RESISTOR | 620Ω 1/16W D  |               |
| R510         | NRSA63J-0R0X | MG RESISTOR  | 0Ω 1/16W J    |       | R723         | NRVA63D-681X | CMF RESISTOR | 680Ω 1/16W D  |               |
| R511         | NRSA63J-0R0X | MG RESISTOR  | 0Ω 1/16W J    |       | R724         | NRVA63D-362X | CMF RESISTOR | 3.6kΩ 1/16W D |               |
| R512         | NRSA63J-0R0X | MG RESISTOR  | 0Ω 1/16W J    |       | R725         | NRVA63D-362X | CMF RESISTOR | 3.6kΩ 1/16W D |               |
| R513         | NRSA63J-0R0X | MG RESISTOR  | 0Ω 1/16W J    |       | R726         | NRVA63D-273X | CMF RESISTOR | 27kΩ 1/16W D  |               |
| R515         | NRSA63J-0R0X | MG RESISTOR  | 0Ω 1/16W J    |       | R727         | NRSA63J-473X | MG RESISTOR  | 47kΩ 1/16W J  |               |
| R516         | NRSA63J-0R0X | MG RESISTOR  | 0Ω 1/16W J    |       | R728         | NRVA63D-362X | CMF RESISTOR | 3.6kΩ 1/16W D |               |
| R517         | NRSA63J-0R0X | MG RESISTOR  | 0Ω 1/16W J    |       | R729         | NRVA63D-332X | CMF RESISTOR | 3.3kΩ 1/16W D |               |
| R519         | NRSA63J-472X | MG RESISTOR  | 4.7kΩ 1/16W J |       | R730         | NRVA63D-362X | CMF RESISTOR | 3.6kΩ 1/16W D |               |

<Local area>

XV-NA70BK C:70 J:70J XV-NA77SL A:77A B:77B C:77C E:77E  
EE:77EE EN:77EN EV:77EV J:77J UF:77UF UJ:77UJ US:77US

| △ Symbol No. | Part No.      | Part Name       | Description    | Local                  | △ Symbol No. | Part No.     | Part Name     | Description | Local         |
|--------------|---------------|-----------------|----------------|------------------------|--------------|--------------|---------------|-------------|---------------|
| R731         | NRVA63D-183X  | CMF RESISTOR    | 18kΩ 1/16W D   |                        | J401         | QNN0583-001  | PIN JACK      |             |               |
| R732         | NRVA63D-183X  | CMF RESISTOR    | 18kΩ 1/16W D   |                        | J602         | QNN0582-001  | PIN JACK      |             |               |
| R733         | NRVA63D-273X  | CMF RESISTOR    | 27kΩ 1/16W D   |                        | J604         | QND0114-001  | PIN JACK      |             |               |
| R734         | NRSA63J-103X  | MG RESISTOR     | 10kΩ 1/16W J   |                        | J700         | QNN0581-001  | PIN JACK      |             |               |
| R735         | NRSA63J-103X  | MG RESISTOR     | 10kΩ 1/16W J   |                        | J701         | QNZ0656-001  | PIN+OPT JACK  |             |               |
| R736         | NRVA63D-273X  | CMF RESISTOR    | 27kΩ 1/16W D   |                        | K101         | NQR0007-002X | FERRITE BEADS |             |               |
| R737         | NRSA63J-470X  | MG RESISTOR     | 47Ω 1/16W J    |                        | K404         | NQR0007-002X | FERRITE BEADS |             |               |
| R739         | NRSA63J-470X  | MG RESISTOR     | 47Ω 1/16W J    |                        | K406         | NQR0007-002X | FERRITE BEADS |             |               |
| R740         | NRSA63J-100X  | MG RESISTOR     | 10Ω 1/16W J    |                        | K407         | NQR0007-002X | FERRITE BEADS |             |               |
| R742         | NRVA63D-183X  | CMF RESISTOR    | 18kΩ 1/16W D   |                        | K409         | NQR0007-002X | FERRITE BEADS |             |               |
| R743         | NRVA63D-183X  | CMF RESISTOR    | 18kΩ 1/16W D   |                        | K410         | NQR0007-002X | FERRITE BEADS |             |               |
| R744         | NRVA63D-362X  | CMF RESISTOR    | 3.6kΩ 1/16W D  |                        | K412         | NQR0007-002X | FERRITE BEADS |             |               |
| R745         | NRSA63J-100X  | MG RESISTOR     | 10Ω 1/16W J    |                        | K508         | NQR0007-002X | FERRITE BEADS |             |               |
| R746         | NRVA63D-332X  | CMF RESISTOR    | 3.3kΩ 1/16W D  |                        | K509         | NQR0007-002X | FERRITE BEADS |             |               |
| R747         | NRVA63D-362X  | CMF RESISTOR    | 3.6kΩ 1/16W D  |                        | K514         | NQR0129-002X | FERRITE BEADS |             |               |
| R748         | NRVA63D-681X  | CMF RESISTOR    | 680Ω 1/16W D   |                        | K515         | NQR0129-002X | FERRITE BEADS |             |               |
| R749         | NRVA63D-273X  | CMF RESISTOR    | 27kΩ 1/16W D   |                        | K516         | NQR0129-002X | FERRITE BEADS |             |               |
| R750         | NRVA63D-101X  | CMF RESISTOR    | 100Ω 1/16W D   |                        | K517         | NQR0129-002X | FERRITE BEADS |             |               |
| R751         | NRVA63D-561X  | CMF RESISTOR    | 560Ω 1/16W D   |                        | K518         | NQR0129-002X | FERRITE BEADS |             |               |
| R752         | NRVA63D-273X  | CMF RESISTOR    | 27kΩ 1/16W D   |                        | K601         | NQR0007-002X | FERRITE BEADS |             |               |
| R753         | NRSA63J-105X  | MG RESISTOR     | 1MΩ 1/16W J    |                        | K603         | NQR0007-002X | FERRITE BEADS |             |               |
| R754         | NRVA63D-183X  | CMF RESISTOR    | 18kΩ 1/16W D   |                        | K604         | NQR0007-002X | FERRITE BEADS |             | only Europe   |
| R755         | NRVA63D-183X  | CMF RESISTOR    | 18kΩ 1/16W D   |                        | K701         | NQR0007-002X | FERRITE BEADS |             |               |
| R756         | NRSA63J-220X  | MG RESISTOR     | 22Ω 1/16W J    |                        | K702         | NQR0227-004X | FERRITE BEADS |             |               |
| R757         | NRSA63J-471X  | MG RESISTOR     | 470Ω 1/16W J   |                        | K703         | NQR0007-002X | FERRITE BEADS |             |               |
| R758         | NRSA63J-471X  | MG RESISTOR     | 470Ω 1/16W J   |                        | K704         | NQR0007-002X | FERRITE BEADS |             |               |
| R759         | NRSA63J-471X  | MG RESISTOR     | 470Ω 1/16W J   |                        | K705         | NQR0227-004X | FERRITE BEADS |             |               |
| R760         | NRSA63J-471X  | MG RESISTOR     | 470Ω 1/16W J   |                        | K706         | NQR0227-004X | FERRITE BEADS |             |               |
| R761         | NRSA63J-100X  | MG RESISTOR     | 10Ω 1/16W J    |                        | S801         | QSW0651-001Z | TACT SWITCH   |             |               |
| R762         | NRSA63J-100X  | MG RESISTOR     | 10Ω 1/16W J    |                        | X301         | NAX0566-001X | C RESONATOR   | 16.934MHz   |               |
| R763         | NRSA63J-820X  | MG RESISTOR     | 82Ω 1/16W J    |                        | X571         | NAX0550-001X | CRYSTAL       | 27.000MHz   |               |
| R764         | NRSA63J-621X  | MG RESISTOR     | 620Ω 1/16W J   |                        | OT1          | VPZ4011-003  | SERIAL LABEL  |             | 77US          |
| R765         | NRSA63J-621X  | MG RESISTOR     | 620Ω 1/16W J   |                        | OT2          | GN30006-020A | SPACER        |             | 77US          |
| R766         | NRSA63J-104X  | MG RESISTOR     | 100kΩ 1/16W J  |                        | OT3          | GN30006-021A | SPACER        |             | 77US          |
| R767         | NRSA63J-470X  | MG RESISTOR     | 47Ω 1/16W J    |                        | OT4          | VPZ4011-003  | SERIAL LABEL  |             |               |
| R768         | NRSA63J-0R0X  | MG RESISTOR     | 0Ω 1/16W J     | only ver.UF,US,UJ      | OT5          | VPZ4011-003  | SERIAL LABEL  |             | except ver.US |
| R769         | NRSA63J-0R0X  | MG RESISTOR     | 0Ω 1/16W J     | 77US                   | OT6          | GN30006-020A | SPACER        |             | except ver.US |
| R769         | NRSA63J-0R0X  | MG RESISTOR     | 0Ω 1/16W J     | 77A,77UF,<br>77UJ,77UW | OT7          | GN30006-021A | SPACER        |             | except ver.US |
| R771         | NRSA63J-471X  | MG RESISTOR     | 470Ω 1/16W J   |                        |              |              |               |             |               |
| R772         | NRSA63J-471X  | MG RESISTOR     | 470Ω 1/16W J   |                        |              |              |               |             |               |
| R773         | NRVA63D-332X  | CMF RESISTOR    | 3.3kΩ 1/16W D  |                        |              |              |               |             |               |
| R774         | NRSA63J-100X  | MG RESISTOR     | 10Ω 1/16W J    |                        |              |              |               |             |               |
| R775         | NRSA63J-0R0X  | MG RESISTOR     | 0Ω 1/16W J     | only Europe            |              |              |               |             |               |
| R776         | NRSA63J-0R0X  | MG RESISTOR     | 0Ω 1/16W J     | only Europe            |              |              |               |             |               |
| R821         | NRSA63J-101X  | MG RESISTOR     | 100Ω 1/16W J   |                        |              |              |               |             |               |
| R822         | NRSA63J-101X  | MG RESISTOR     | 100Ω 1/16W J   |                        |              |              |               |             |               |
| R953         | NRSA63J-102X  | MG RESISTOR     | 1kΩ 1/16W J    | except Europe          |              |              |               |             |               |
| R1001        | NRSA63J-0R0X  | MG RESISTOR     | 0Ω 1/16W J     |                        |              |              |               |             |               |
| R2001        | NRSA63J-0R0X  | MG RESISTOR     | 0Ω 1/16W J     |                        |              |              |               |             |               |
| R2002        | NRSA63J-0R0X  | MG RESISTOR     | 0Ω 1/16W J     |                        |              |              |               |             |               |
| R4001        | NRSA63J-471X  | MG RESISTOR     | 470Ω 1/16W J   |                        |              |              |               |             |               |
| R4002        | NRSA63J-471X  | MG RESISTOR     | 470Ω 1/16W J   |                        |              |              |               |             |               |
| R4003        | NRSA63J-471X  | MG RESISTOR     | 470Ω 1/16W J   |                        |              |              |               |             |               |
| R4004        | NRSA63J-471X  | MG RESISTOR     | 470Ω 1/16W J   |                        |              |              |               |             |               |
| R7001        | NRSA63J-0R0X  | MG RESISTOR     | 0Ω 1/16W J     |                        |              |              |               |             |               |
| L501         | NQL77GM-100X  | COIL            | 10uH M         |                        |              |              |               |             |               |
| L505         | QQL244K-100Z  | COIL            | 10uH K         |                        |              |              |               |             |               |
| L506         | QQL244K-100Z  | COIL            | 10uH K         |                        |              |              |               |             |               |
| L507         | QQL244K-100Z  | COIL            | 10uH K         |                        |              |              |               |             |               |
| L508         | QQL244K-100Z  | COIL            | 10uH K         |                        |              |              |               |             |               |
| L601         | NQL77GM-100X  | COIL            | 10uH M         |                        |              |              |               |             |               |
| L603         | NQL77GM-100X  | COIL            | 10uH M         |                        |              |              |               |             |               |
| L604         | NQR0430-001X  | COIL            |                |                        |              |              |               |             |               |
| L605         | NQR0429-001X  | LPF             |                |                        |              |              |               |             |               |
| L606         | NQR0429-001X  | LPF             |                |                        |              |              |               |             |               |
| L701         | QQL232K-1R0Z  | COIL            | 1uH K          |                        |              |              |               |             |               |
| CN101        | QGF0529C1-50W | CONNECTOR       | FFC/FPC (1-50) |                        |              |              |               |             |               |
| CN501        | QGF1201C3-17  | CONNECTOR       | FFC/FPC (1-17) |                        |              |              |               |             |               |
| CN601        | QGF1201C3-15  | CONNECTOR       | FFC/FPC (1-15) | only Europe            |              |              |               |             |               |
| CN801        | QGF1016F2-23W | CONNECTOR       | FFC/FPC (1-23) |                        |              |              |               |             |               |
| CN802        | QGF1016F3-09  | CONNECTOR       | FFC/FPC (1-9)  |                        |              |              |               |             |               |
| CN803        | QGF1016F2-21W | CONNECTOR       | FFC/FPC (1-21) |                        |              |              |               |             |               |
| DI801        | QLF0130-001   | FL TUBE         |                |                        |              |              |               |             |               |
| FW501        | QUM106-24DGZ4 | PARA RIBON WIRE |                |                        |              |              |               |             |               |
| FW502        | QUM103-30DGZ4 | PARA RIBON WIRE |                |                        |              |              |               |             |               |

<Local area>

XV-NA70BK C:70 J:70J XV-NA77SL A:77A B:77B C:77C E:77E  
EE:77EE EN:77EN EV:77EV J:77J UF:77UF UJ:77UJ US:77US

(No.XA011)3-13

# Power supply and system control board

Block No. [0][3]

| △ Symbol No. | Part No.        | Part Name       | Description      | Local                       |
|--------------|-----------------|-----------------|------------------|-----------------------------|
| IC851        | IC-PST3527N-X   | IC              |                  |                             |
| △ IC901      | MIP2C50MPSCF    | IC              |                  |                             |
| IC902        | MN101C35DLT     | IC(1-TIME)      |                  |                             |
| IC904        | TL431/A-T       | IC              |                  |                             |
| Q611         | 2SC3576-JVC-T   | TRANSISTOR      |                  | only Europe                 |
| Q612         | 2SC3576-JVC-T   | TRANSISTOR      |                  | only Europe                 |
| Q613         | KRC102S-X       | DIGI TRANSISTOR |                  | only Europe                 |
| Q614         | KRA102S-X       | DIGI TRANSISTOR |                  | only Europe                 |
| Q827         | KRC107S-X       | DIGI TRANSISTOR |                  |                             |
| Q851         | KRC107S-X       | DIGI TRANSISTOR |                  |                             |
| Q852         | 2SC1740S/RS-T   | TRANSISTOR      |                  |                             |
| Q951         | 2SC3576-JVC-T   | TRANSISTOR      |                  |                             |
| Q952         | KRA104S-X       | DIGI TRANSISTOR |                  |                             |
| D822         | SLR343BBT3F     | LED             |                  |                             |
| D823         | SPR-325MVWL-T   | LED             | GREEN-RED        |                             |
| D826         | 204-10SUBC/A4VW | LED             |                  |                             |
| D851         | 1SS133-T2       | DIODE           |                  |                             |
| D852         | 1SS133-T2       | DIODE           |                  |                             |
| △ D901       | DI106           | BRIDGE DIODE    |                  |                             |
| △ D903       | SARS01-T2       | SI DIODE        |                  |                             |
| △ D904       | 1SS244-T2       | SI DIODE        |                  |                             |
| D905         | RB441Q-40-T2    | SI DIODE IM     |                  |                             |
| △ D951       | 1F4-T2          | FR DIODE        |                  |                             |
| △ D952       | 1F4-T2          | FR DIODE        |                  |                             |
| △ D953       | SB360-F82       | SB DIODE        |                  |                             |
| △ D954       | 1F4-T2          | FR DIODE        |                  |                             |
| △ D955       | ER204-F33       | FR DIODE        |                  |                             |
| D956         | 1F4-T2          | FR DIODE        |                  |                             |
| D957         | 1F4-T2          | FR DIODE        |                  |                             |
| D960         | MTZJ3.6B-T2     | Z DIODE         |                  |                             |
| PC901        | PC123Y22FZ      | PHOTO COUPLER   | Photo coupler    |                             |
| C669         | NCS31HJ-101X    | C CAPACITOR     | 100pF 50V J      | only Europe                 |
| C670         | QFN31HJ-471Z    | M CAPACITOR     | 470pF 50V J      | only Europe                 |
| C678         | QTE1A46-477Z    | E CAPACITOR     | 470uF 10V        | only Europe                 |
| C680         | QTE1A46-477Z    | E CAPACITOR     | 470uF 10V        | only Europe                 |
| C681         | QFN31HJ-471Z    | M CAPACITOR     | 470pF 50V J      | only Europe                 |
| C683         | QTE1E28-476Z    | E CAPACITOR     | 47uF 25V         | only Europe                 |
| C684         | QTE1E28-476Z    | E CAPACITOR     | 47uF 25V         | only Europe                 |
| C685         | NCB31HK-152X    | C CAPACITOR     | 1500pF 50V K     | only Europe                 |
| C686         | NCS31HJ-121X    | C CAPACITOR     | 120pF 50V J      | only Europe                 |
| C687         | NCS31HJ-121X    | C CAPACITOR     | 120pF 50V J      | only Europe                 |
| C688         | NCS31HJ-121X    | C CAPACITOR     | 120pF 50V J      | only Europe                 |
| C689         | NCS31HJ-121X    | C CAPACITOR     | 120pF 50V J      | only Europe                 |
| C691         | QTE1A46-477Z    | E CAPACITOR     | 470uF 10V        | only Europe                 |
| C693         | QTE1A46-477Z    | E CAPACITOR     | 470uF 10V        | only Europe                 |
| C695         | QTE1A46-477Z    | E CAPACITOR     | 470uF 10V        | only Europe                 |
| C851         | NCF31CZ-104X    | C CAPACITOR     | 0.1uF 16V Z      |                             |
| C852         | NCF31CZ-104X    | C CAPACITOR     | 0.1uF 16V Z      |                             |
| C853         | QETN0JM-227Z    | E CAPACITOR     | 220uF 6.3V M     |                             |
| C854         | NCB31HK-331X    | C CAPACITOR     | 330pF 50V K      |                             |
| C855         | NCF31CZ-104X    | C CAPACITOR     | 0.1uF 16V Z      |                             |
| C856         | NCB31HK-103X    | C CAPACITOR     | 0.01uF 50V K     |                             |
| C857         | NCB31CK-104X    | C CAPACITOR     | 0.1uF 16V K      |                             |
| C858         | NCS31HJ-101X    | C CAPACITOR     | 100pF 50V J      |                             |
| C861         | QETN1EM-106Z    | E CAPACITOR     | 10uF 25V M       |                             |
| C862         | NCF31CZ-104X    | C CAPACITOR     | 0.1uF 16V Z      |                             |
| △ C902       | QFZ9073-683     | MM CAPACITOR    | 0.068uF AC250V M |                             |
| △ C904       | QCZ9079-471     | C CAPACITOR     | 470pF AC250V K   |                             |
| △ C905       | QCZ9079-471     | C CAPACITOR     | 470pF AC250V K   |                             |
| C906         | QCZ9079-102     | C CAPACITOR     | 1000pF AC250V M  |                             |
| C907         | QETM2DM-107     | E CAPACITOR     | 100uF 200V M     | only ver.J,C                |
| C907         | QEZ0590-686     | E CAPACITOR     | 68uF 400V M      | 77U,77B,77E,77F,77U,77V,77W |
| C907         | QEZ0590-686     | E CAPACITOR     | 68uF 400V M      |                             |
| △ C908       | QCZ0136-332Z    | C CAPACITOR     | 3300pF 1kV K     |                             |
| C913         | QCZ0302-470Z    | C CAPACITOR     | 47pF 1kV J       |                             |
| C914         | QEZ0657-226Z    | E CAPACITOR     | 22uF             |                             |
| C915         | NCB31CK-104X    | C CAPACITOR     | 0.1uF 16V K      |                             |
| △ C918       | QFZ9073-683     | MM CAPACITOR    | 0.068uF AC250V M |                             |

| △ Symbol No. | Part No.     | Part Name     | Description   | Local                       |
|--------------|--------------|---------------|---------------|-----------------------------|
| C950         | QEZ0653-107Z | E CAPACITOR   | 100uF         |                             |
| C951         | QETN1EM-226Z | E CAPACITOR   | 22uF 25V M    |                             |
| C952         | QEZ0592-108Z | E CAPACITOR   | 1000uF        |                             |
| C953         | QEZ0657-226Z | E CAPACITOR   | 22uF          |                             |
| C954         | NCF31CZ-104X | C CAPACITOR   | 0.1uF 16V Z   |                             |
| C955         | QTE1A46-477Z | E CAPACITOR   | 470uF 10V     |                             |
| C956         | NCF31CZ-104X | C CAPACITOR   | 0.1uF 16V Z   |                             |
| C957         | NCF31CZ-104X | C CAPACITOR   | 0.1uF 16V Z   |                             |
| C958         | QEZ0654-477Z | E CAPACITOR   | 470uF         |                             |
| C959         | QTE1A46-477Z | E CAPACITOR   | 470uF 10V     |                             |
| C960         | NCS31HJ-331X | C CAPACITOR   | 330pF 50V J   |                             |
| C963         | QEZ0655-187Z | E CAPACITOR   | 180uF         |                             |
| C964         | QEZ0655-187Z | E CAPACITOR   | 180uF         |                             |
| C965         | QTE1C28-227Z | E CAPACITOR   | 220uF 16V     | only Europe                 |
| C965         | QTE1C28-107Z | E CAPACITOR   | 100uF 16V     | except Europe               |
| C966         | QTE1C28-227Z | E CAPACITOR   | 220uF 16V     | only Europe                 |
| C966         | QTE1C28-107Z | E CAPACITOR   | 100uF 16V     | except Europe               |
| C967         | QEZ0655-337Z | E CAPACITOR   | 330uF         |                             |
| C969         | NCB30JK-105X | C CAPACITOR   | 1uF 6.3V K    |                             |
| C980         | QETN1HM-475Z | E CAPACITOR   | 4.7uF 50V M   |                             |
| C981         | QETN1HM-475Z | E CAPACITOR   | 4.7uF 50V M   |                             |
| C982         | NCF31CZ-104X | C CAPACITOR   | 0.1uF 16V Z   |                             |
| C988         | QETN1CM-227Z | E CAPACITOR   | 220uF 16V M   |                             |
| R658         | QRE141J-750Y | C RESISTOR    | 75Ω 1/4W J    | only Europe                 |
| R659         | NRSA63J-750X | MG RESISTOR   | 75Ω 1/16W J   | only Europe                 |
| R660         | NRSA63J-103X | MG RESISTOR   | 10kΩ 1/16W J  | only Europe                 |
| R661         | NRSA63J-103X | MG RESISTOR   | 10kΩ 1/16W J  | only Europe                 |
| R662         | QRE141J-562Y | C RESISTOR    | 5.6kΩ 1/4W J  | only Europe                 |
| R663         | QRE141J-562Y | C RESISTOR    | 5.6kΩ 1/4W J  | only Europe                 |
| R664         | QRE141J-561Y | C RESISTOR    | 560Ω 1/4W J   | only Europe                 |
| R665         | QRE141J-561Y | C RESISTOR    | 560Ω 1/4W J   | only Europe                 |
| R670         | NRSA63J-101X | MG RESISTOR   | 100Ω 1/16W J  | only Europe                 |
| R678         | NRSA63J-103X | MG RESISTOR   | 10kΩ 1/16W J  | only Europe                 |
| R681         | NRSA63J-222X | MG RESISTOR   | 2.2kΩ 1/16W J |                             |
| R691         | QRE141J-151Y | C RESISTOR    | 150Ω 1/4W J   | only Europe                 |
| R692         | QRE141J-750Y | C RESISTOR    | 75Ω 1/4W J    | only Europe                 |
| R693         | QRE141J-151Y | C RESISTOR    | 150Ω 1/4W J   | only Europe                 |
| R694         | QRE141J-750Y | C RESISTOR    | 75Ω 1/4W J    | only Europe                 |
| R814         | NRSA63J-750X | MG RESISTOR   | 75Ω 1/16W J   |                             |
| R817         | NRSA63J-222X | MG RESISTOR   | 2.2kΩ 1/16W J |                             |
| R818         | NRSA63J-222X | MG RESISTOR   | 2.2kΩ 1/16W J |                             |
| R819         | NRSA63J-681X | MG RESISTOR   | 680Ω 1/16W J  |                             |
| R820         | NRSA63J-431X | MG RESISTOR   | 430Ω 1/16W J  |                             |
| R851         | NRSA63J-392X | MG RESISTOR   | 3.9kΩ 1/16W J |                             |
| R853         | NRSA63J-182X | MG RESISTOR   | 1.8kΩ 1/16W J |                             |
| R854         | QRE141J-270Y | C RESISTOR    | 27Ω 1/4W J    |                             |
| R856         | NRSA63J-820X | MG RESISTOR   | 82Ω 1/16W J   |                             |
| R858         | NRSA63J-820X | MG RESISTOR   | 82Ω 1/16W J   |                             |
| R862         | NRSA63J-222X | MG RESISTOR   | 2.2kΩ 1/16W J |                             |
| R879         | NRSA63J-0R0X | MG RESISTOR   | 0Ω 1/16W J    |                             |
| R880         | NRSA63J-222X | MG RESISTOR   | 2.2kΩ 1/16W J |                             |
| R881         | NRSA63J-222X | MG RESISTOR   | 2.2kΩ 1/16W J |                             |
| R882         | NRSA63J-222X | MG RESISTOR   | 2.2kΩ 1/16W J |                             |
| R883         | NRSA63J-222X | MG RESISTOR   | 2.2kΩ 1/16W J |                             |
| R884         | NRSA63J-103X | MG RESISTOR   | 10kΩ 1/16W J  |                             |
| R885         | NRSA63J-222X | MG RESISTOR   | 2.2kΩ 1/16W J | except Europe               |
| R887         | NRSA63J-102X | MG RESISTOR   | 1kΩ 1/16W J   | only Europe                 |
| R889         | NRSA63J-222X | MG RESISTOR   | 2.2kΩ 1/16W J |                             |
| R891         | NRSA63J-222X | MG RESISTOR   | 2.2kΩ 1/16W J | only Europe                 |
| R893         | NRSA63J-102X | MG RESISTOR   | 1kΩ 1/16W J   |                             |
| R894         | NRSA63J-101X | MG RESISTOR   | 100Ω 1/16W J  |                             |
| R895         | NRSA63J-101X | MG RESISTOR   | 100Ω 1/16W J  |                             |
| △ R901       | QRL01DJ-683X | OMF RESISTOR  | 68kΩ 1W J     |                             |
| △ R902       | QRL01DJ-470X | OMF RESISTOR  | 47Ω 1W J      | except ver.J,C of XV-NA77SL |
| △ R903       | QRE141J-101Y | C RESISTOR    | 100Ω 1/4W J   |                             |
| R904         | QRL127J-470  | OMF RESISTOR  | 47Ω 1/2W J    | only ver.J,C                |
| R906         | QRE141J-274Y | C RESISTOR    | 270kΩ 1/4W J  |                             |
| △ R910       | QRZ9037-335  | COMP RESISTOR | 3.3kΩ 1/2W K  |                             |
| R912         | QRE141J-223Y | C RESISTOR    | 22kΩ 1/4W J   |                             |
| R913         | NRSA63J-103X | MG RESISTOR   | 10kΩ 1/16W J  |                             |
| R915         | QRE141J-103Y | C RESISTOR    | 10kΩ 1/4W J   |                             |
| R950         | NRSA63J-103X | MG RESISTOR   | 10kΩ 1/16W J  |                             |
| R952         | NRSA63J-103X | MG RESISTOR   | 10kΩ 1/16W J  |                             |
| △ R954       | QRZ9005-100X | FUSI RESISTOR | 10Ω           |                             |
| R955         | NRSA63J-223X | MG RESISTOR   | 22kΩ 1/16W J  |                             |
| R956         | NRSA63J-103X | MG RESISTOR   | 10kΩ 1/16W J  |                             |

<Local area>

XV-NA70BK C:70 J:70J XV-NA77SL A:77A B:77B C:77C E:77E  
EE:77EE EN:77EN EV:77EV J:77J UF:77UF UJ:77UJ US:77US

| △ Symbol No. | Part No.      | Part Name      | Description    | Local                                                     |
|--------------|---------------|----------------|----------------|-----------------------------------------------------------|
| R960         | NRSA63J-101X  | MG RESISTOR    | 100Ω 1/16W J   |                                                           |
| R961         | NRSA63J-103X  | MG RESISTOR    | 10kΩ 1/16W J   |                                                           |
| R962         | NRSA63F-512X  | MG RESISTOR    | 5.1kΩ 1/16W F  |                                                           |
| R964         | NRSA63F-103X  | MG RESISTOR    | 10kΩ 1/16W F   |                                                           |
| R968         | NRSA63J-102X  | MG RESISTOR    | 1kΩ 1/16W J    |                                                           |
| RA1          | QRB149J-104   | NET RESISTOR   | 100kΩ J        |                                                           |
| RA2          | QRB149J-104   | NET RESISTOR   | 100kΩ J        |                                                           |
| L851         | QQL231K-2R2Y  | COIL           | 2.2uH K        |                                                           |
| △ L901       | QQR0816-001   | LINE FILTER    |                |                                                           |
| L951         | QQR1291-001Z  | CHOKE COIL     |                |                                                           |
| L952         | QQR1291-001Z  | CHOKE COIL     |                |                                                           |
| L953         | QQL244K-220Z  | COIL           | 22uH K         |                                                           |
| L954         | QQL244K-220Z  | COIL           | 22uH K         |                                                           |
| L955         | QQR1291-001Z  | CHOKE COIL     |                |                                                           |
| △ T901       | QQS0220-001   | SW TRANSF      |                |                                                           |
| CN651        | QGF1201C3-15  | CONNECTOR      | FFC/FPC (1-15) | only Europe                                               |
| CN852        | QGF1016F3-09  | CONNECTOR      | FFC/FPC (1-9)  |                                                           |
| CN861        | QGF1016C1-23  | CONNECTOR      | FFC/FPC (1-23) |                                                           |
| CN862        | QGF1016C1-21  | CONNECTOR      | FFC/FPC (1-21) |                                                           |
| CN901        | QGD2504C1-03Z | CONNECTOR      | (1-3)          |                                                           |
| CN902        | QGD2504C1-03Z | CONNECTOR      | (1-3)          |                                                           |
| CN903        | QGD2504C1-03Z | CONNECTOR      | (1-3)          |                                                           |
| CN904        | QGF1201C3-17  | CONNECTOR      | FFC/FPC (1-17) |                                                           |
| △ CP951      | ICP-N10-T     | IC PROTECTOR   | 400mA          |                                                           |
| EP951        | QNZ0136-001Z  | EARTH PLATE    |                |                                                           |
| EP952        | E409182-001SM | GRAND TERMINAL |                |                                                           |
| EP953        | QNZ0136-001Z  | EARTH PLATE    |                |                                                           |
| EP954        | QNZ0136-001Z  | EARTH PLATE    |                |                                                           |
| FC901        | QNG0003-001Z  | FUSE CLIP      |                |                                                           |
| FC902        | QNG0003-001Z  | FUSE CLIP      |                |                                                           |
| J603         | QNZ0610-001   | RGB CONNECTOR  |                | only Europe                                               |
| J851         | QNS0221-001   | 3.5 JACK       |                |                                                           |
| K981         | NRSA63J-0R0X  | MG RESISTOR    | 0Ω 1/16W J     |                                                           |
| K982         | NRSA63J-0R0X  | MG RESISTOR    | 0Ω 1/16W J     |                                                           |
| K983         | NRSA63J-0R0X  | MG RESISTOR    | 0Ω 1/16W J     |                                                           |
| K984         | NRSA63J-0R0X  | MG RESISTOR    | 0Ω 1/16W J     |                                                           |
| K985         | NRSA63J-0R0X  | MG RESISTOR    | 0Ω 1/16W J     |                                                           |
| P901         | QGA7901C1-02  | CONNECTOR      | W-B (1-2)      |                                                           |
| S601         | QSW0986-001   | SLIDE SWITCH   |                |                                                           |
| S802         | QSW0651-001Z  | TACT SWITCH    |                |                                                           |
| S803         | QSW0651-001Z  | TACT SWITCH    |                |                                                           |
| S804         | QSW0651-001Z  | TACT SWITCH    |                |                                                           |
| S805         | QSW0651-001Z  | TACT SWITCH    |                |                                                           |
| S806         | QSW0651-001Z  | TACT SWITCH    |                |                                                           |
| S807         | QSW0651-001Z  | TACT SWITCH    |                |                                                           |
| S901         | QSW0454-001   | SW             |                | 77US<br>77A,77B,77E,77<br>EE,77EN,77EV,<br>77UF,77UJ,77UW |
| S901         | QSW0454-001   | SW             |                |                                                           |
| X851         | QAX0667-001Z  | C RESONATOR    | 8.000MHz       |                                                           |
| OT1          | LE40845-001A  | FUSE LABEL     |                | 77US<br>77A,77B,77E,77E<br>E,77EN,77EV,<br>77UF,77UJ,77UW |
| OT2          | LE40845-001A  | FUSE LABEL     |                |                                                           |

## Switch board

Block No. [0][4]

| △ Symbol No. | Part No.     | Part Name     | Description   | Local |
|--------------|--------------|---------------|---------------|-------|
| CN1          | QGF1016F3-05 | CONNECTOR     | FFC/FPC (1-5) |       |
| S1           | QSW1007-001  | DETECT SWITCH |               |       |

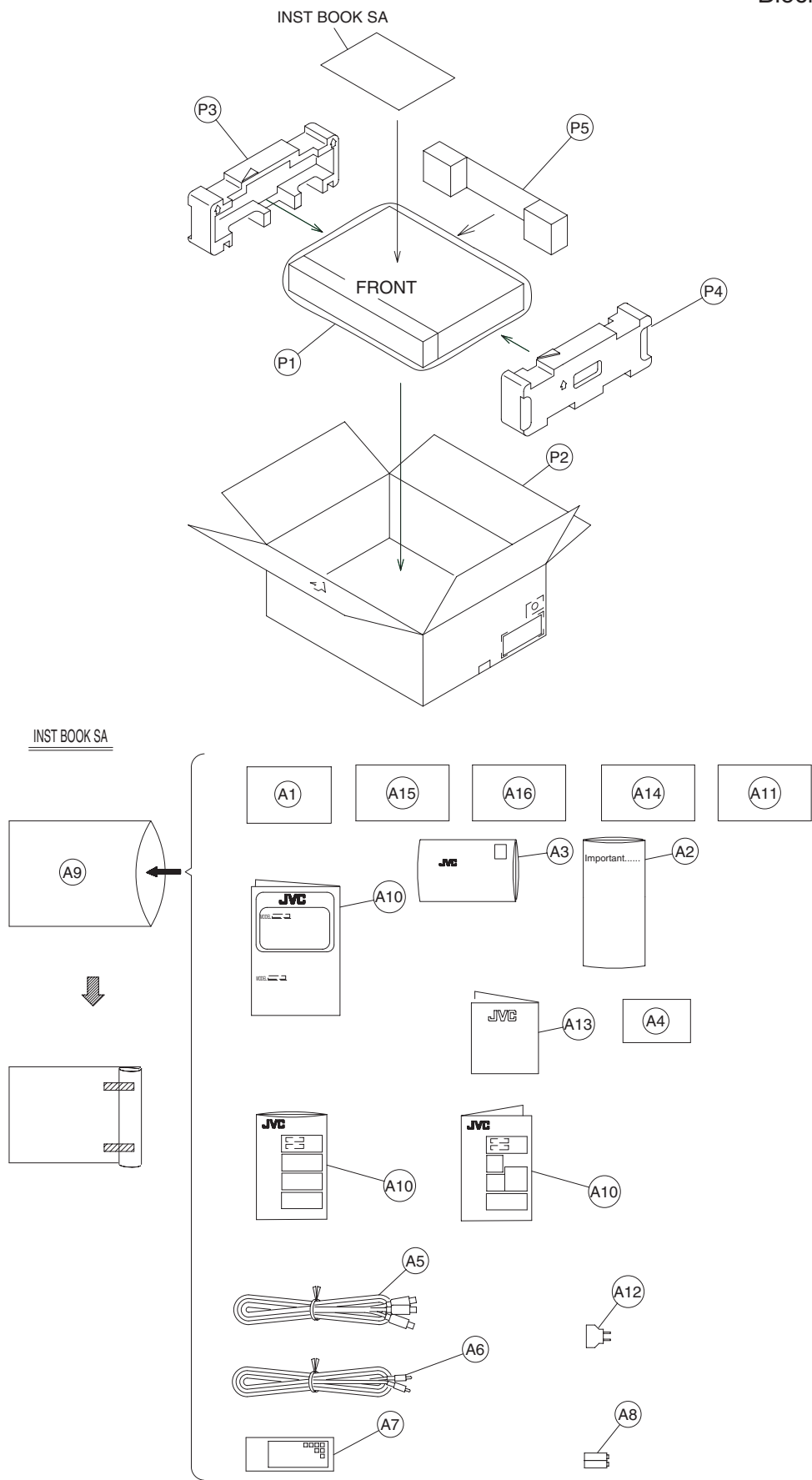
<Local area>

XV-NA70BK C:70 J:70J XV-NA77SL A:77A B:77B C:77C E:77E  
EE:77EE EN:77EN EV:77EV J:77J UF:77UF UJ:77UJ US:77US

(No.XA011)3-15

Packing materials and accessories parts list

Block No.M4MM



# Packing and accessories

Block No. [M][4][M][M]

| △ Symbol No. | Part No.     | Part Name       | Description        | Local                                |
|--------------|--------------|-----------------|--------------------|--------------------------------------|
| A 1          | GNT0036-022B | INST BOOK       | English French     | 70C                                  |
| A 1          | GNT0036-001B | INST BOOK       | English            | 70J                                  |
| A 1          | GNT0036-002B | INST BOOK       | English            | 77B                                  |
| A 1          | GNT0036-022B | INST BOOK       | English French     | 77C                                  |
| A 1          | GNT0036-005B | INST BOOK       | Dutch              | 77E                                  |
| A 1          | GNT0036-014A | INST BOOK       | Russian            | 77EE                                 |
| A 1          | GNT0036-003B | INST BOOK       | German             | 77E,77EN                             |
| A 1          | GNT0036-004B | INST BOOK       | French             | 77E,77EN                             |
| A 1          | GNT0036-006B | INST BOOK       | Spanish            | 77EN                                 |
| A 1          | GNT0036-007B | INST BOOK       | Italian            | 77EN                                 |
| A 1          | GNT0036-008B | INST BOOK       | Swedish            | 77EN                                 |
| A 1          | GNT0036-009B | INST BOOK       | Finnish            | 77EN                                 |
| A 1          | GNT0036-010B | INST BOOK       | Danish             | 77EN                                 |
| A 1          | GNT0036-011A | INST BOOK       | Polish             | 77EV                                 |
| A 1          | GNT0036-012A | INST BOOK       | Hungarian          | 77EV                                 |
| A 1          | GNT0036-013A | INST BOOK       | Czech              | 77EV                                 |
| A 1          | GNT0036-019A | INST BOOK       | Simplified Chinese | 77UF                                 |
| A 1          | GNT0036-001B | INST BOOK       | English            | 77J,77UJ                             |
| A 1          | GNT0036-018B | INST BOOK       | Simplified Chinese | 77US                                 |
| A 1          | GNT0036-015B | INST BOOK       | English            | 77A,77US,77UW                        |
| A 1          | GNT0036-016B | INST BOOK       | Spanish            | 77UW                                 |
| A 1          | GNT0036-017B | INST BOOK       | Portuguese         | 77UW                                 |
| A 2          | YU20333      | SAFETY INST.    |                    | only ver.J,C,UJ                      |
| A 3          | BT-51028-2   | J=REGIST CARD   |                    | 70J,77J,77UJ                         |
| A 3          | BT-51034-1   | J=REGIST CARD   |                    | 70J,77J,77UJ                         |
| A 4          | LE30964-001A | NETFLIX COUPO   |                    | 70J,77J                              |
| A 5          | QAM0328-001  | AV CORD 3P      |                    |                                      |
| A 6          | EWP302-011W  | SIGNAL CORD     | (x2)               |                                      |
| A 7          | RM-SXV045J   | REMOCON UNIT    |                    | 70C,70J                              |
| A 7          | RM-SXV047E   | REMOCON UNIT    |                    | only Europe                          |
| A 7          | RM-SXV046J   | REMOCON UNIT    |                    | 77C,77J                              |
| A 7          | RM-SXV048U   | REMOCON UNIT    |                    | 77A,77UF,77UJ,77US,77UW              |
| A 8          | -----        | BATTERY         | FOR EXP.(x2)       |                                      |
| A 9          | QPC02504015P | POLY BAG        | FOR ACC INST       |                                      |
| A10          | BT-56012-1   | WARRANTY CARD   |                    | 77A                                  |
| A10          | BT-52006-2   | WARRANTY CARD   |                    | 70C,77C                              |
| A10          | BT-54008-5   | WARRANTY CARD   |                    | 77B,77E                              |
| A10          | BT-59019-1   | WARRANTY CARD   |                    | 77UF                                 |
| A11          | LE40932-005A | INSERT SHEET    |                    | 77UF                                 |
| △ A12        | QAM0112-002  | PLUG ADAPTOR    |                    | 77UJ,77US,77UW                       |
| A13          | VNA3000-204  | REGISTER CARD   |                    | 77B                                  |
| A14          | BT-56002-2   | SVC CENTER LIST |                    | 77A                                  |
| A14          | BT-59021-1   | S.CENTER LIST   |                    | 77UF                                 |
| A15          | LE40975-002A | CAUTION SHEET   |                    | 77EE,77EV                            |
| A16          | GN30076-001A | SURVEY CARD     |                    | 77UF                                 |
| P 1          | QPC06005515P | POLY BAG        | FOR SET            |                                      |
| P 2          | GN10046-013A | PACKING CASE    |                    | 70C,70J                              |
| P 2          | GN10046-021A | PACKING CASE    |                    | 77A                                  |
| P 2          | GN10046-015A | PACKING CASE    |                    | 77B                                  |
| P 2          | GN10046-017A | PACKING CASE    |                    | 77EE                                 |
| P 2          | GN10046-016A | PACKING CASE    |                    | 77E,77EN,77EV                        |
| P 2          | GN10046-024A | PACKING CASE    |                    | 77UF                                 |
| P 2          | GN10046-026A | PACKING CASE    |                    | 77C,77J,77UJ                         |
| P 2          | GN10046-019A | PACKING CASE    |                    | 77US                                 |
| P 2          | GN10046-018A | PACKING CASE    |                    | 77UW                                 |
| P 3          | GN20069-001A | PACKING PAD(L)  | LEFT               | 77UF                                 |
| P 3          | GN20065-001A | PACKING PAD(L)  | LEFT               | only ver.J,C,UJ                      |
| P 3          | GN20067-001A | PACKING PAD(L)  | LEFT               | 77A,77B,77E,77EE,77EN,77EV,77US,77UW |
| P 4          | GN20070-001A | PACKING PAD(R)  | RIGHT              | 77UF                                 |
| P 4          | GN20066-001A | PACKING PAD(R)  | RIGHT              | only ver.J,C,UJ                      |
| P 4          | GN20068-001A | PACKING PAD(R)  | RIGHT              | 77A,77B,77E,77EE,77EN,77EV,77US,77UW |
| P 5          | GN30068-001A | SHEET ASSY      |                    | 77A,77B                              |

<Local area>

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EE:77EE EN:77EN EV:77EV J:77J UF:77UF UJ:77UJ US:77US