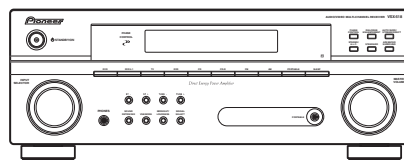


Service Manual



VSX-518-K

ORDER NO.
RRV3707

AUDIO/VIDEO MULTI-CHANNEL RECEIVER

VSX-518-K

VSX-518-S

THIS MANUAL IS APPLICABLE TO THE FOLLOWING MODEL(S) AND TYPE(S).

Model	Type	Power Requirement	Remarks
VSX-518-K	KUCXJ	AC 120 V	
VSX-518-S	KUCXJ	AC 120 V	



For details, refer to "Important Check Points for good servicing".

SAFETY INFORMATION



This service manual is intended for qualified service technicians; it is not meant for the casual do-it-yourselfer. Qualified technicians have the necessary test equipment and tools, and have been trained to properly and safely repair complex products such as those covered by this manual.

Improperly performed repairs can adversely affect the safety and reliability of the product and may void the warranty. If you are not qualified to perform the repair of this product properly and safely, you should not risk trying to do so and refer the repair to a qualified service technician.



WARNING

This product contains lead in solder and certain electrical parts contain chemicals which are known to the state of California to cause cancer, birth defects or other reproductive harm.

Health & Safety Code Section 25249.6 Proposition 65



NOTICE

(FOR CANADIAN MODEL ONLY)

Fuse symbols  (fast operating fuse) and/or  (slow operating fuse) on PCB indicate that replacement parts must be of identical designation.

REMARQUE

(POUR MODÈLE CANADIEN SEULEMENT)

Les symboles de fusible  (fusible de type rapide) et/ou  (fusible de type lent) sur CCI indiquent que les pièces de remplacement doivent avoir la même désignation.

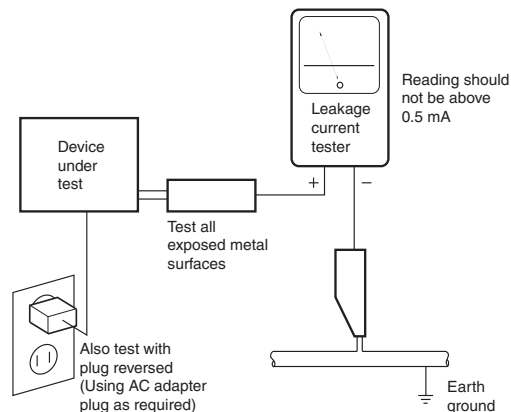
(FOR USA MODEL ONLY)

1. SAFETY PRECAUTIONS

The following check should be performed for the continued protection of the customer and service technician.

LEAKAGE CURRENT CHECK

Measure leakage current to a known earth ground (water pipe, conduit, etc.) by connecting a leakage current tester such as Simpson Model 229-2 or equivalent between the earth ground and all exposed metal parts of the appliance (input/output terminals, screwheads, metal overlays, control shaft, etc.). Plug the AC line cord of the appliance directly into a 120V AC 60 Hz outlet and turn the AC power switch on. Any current measured must not exceed 0.5 mA.




AC Leakage Test

ANY MEASUREMENTS NOT WITHIN THE LIMITS OUTLINED ABOVE ARE INDICATIVE OF A POTENTIAL SHOCK HAZARD AND MUST BE CORRECTED BEFORE RETURNING THE APPLIANCE TO THE CUSTOMER.

2. PRODUCT SAFETY NOTICE

Many electrical and mechanical parts in the appliance have special safety related characteristics. These are often not evident from visual inspection nor the protection afforded by them necessarily can be obtained by using replacement components rated for voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in this Service Manual.

Electrical components having such features are identified by marking with a  on the schematics and on the parts list in this Service Manual.

The use of a substitute replacement component which does not have the same safety characteristics as the PIONEER recommended replacement one, shown in the parts list in this Service Manual, may create shock, fire, or other hazards.

Product Safety is continuously under review and new instructions are issued from time to time. For the latest information, always consult the current PIONEER Service Manual. A subscription to, or additional copies of, PIONEER Service Manual may be obtained at a nominal charge from PIONEER.

[Important Check Points for Good Servicing]

In this manual, procedures that must be performed during repairs are marked with the below symbol. Please be sure to confirm and follow these procedures.

1. Product safety



Please conform to product regulations (such as safety and radiation regulations), and maintain a safe servicing environment by following the safety instructions described in this manual.

- ① Use specified parts for repair.

Use genuine parts. Be sure to use important parts for safety.

- ② Do not perform modifications without proper instructions.

Please follow the specified safety methods when modification (addition/change of parts) is required due to interferences such as radio/TV interference and foreign noise.

- ③ Make sure the soldering of repaired locations is properly performed.

When you solder while repairing, please be sure that there are no cold solder and other debris. Soldering should be finished with the proper quantity. (Refer to the example)

- ④ Make sure the screws are tightly fastened.

Please be sure that all screws are fastened, and that there are no loose screws.

- ⑤ Make sure each connectors are correctly inserted.

Please be sure that all connectors are inserted, and that there are no imperfect insertion.

- ⑥ Make sure the wiring cables are set to their original state.

Please replace the wiring and cables to the original state after repairs. In addition, be sure that there are no pinched wires, etc.

- ⑦ Make sure screws and soldering scraps do not remain inside the product.

Please check that neither solder debris nor screws remain inside the product.

- ⑧ There should be no semi-broken wires, scratches, melting, etc. on the coating of the power cord.

Damaged power cords may lead to fire accidents, so please be sure that there are no damages. If you find a damaged power cord, please exchange it with a suitable one.

- ⑨ There should be no spark traces or similar marks on the power plug.

When spark traces or similar marks are found on the power supply plug, please check the connection and advise on secure connections and suitable usage. Please exchange the power cord if necessary.

- ⑩ Safe environment should be secured during servicing.

When you perform repairs, please pay attention to static electricity, furniture, household articles, etc. in order to prevent injuries. Please pay attention to your surroundings and repair safely.

2. Adjustments



To keep the original performance of the products, optimum adjustments and confirmation of characteristics within specification. Adjustments should be performed in accordance with the procedures/instructions described in this manual.

3. Lubricants, Glues, and Replacement parts



Use grease and adhesives that are equal to the specified substance. Make sure the proper amount is applied.

4. Cleaning



For parts that require cleaning, such as optical pickups, tape deck heads, lenses and mirrors used in projection monitors, proper cleaning should be performed to restore their performances.

5. Shipping mode and Shipping screws



To protect products from damages or failures during transit, the shipping mode should be set or the shipping screws should be installed before shipment. Please be sure to follow this method especially if it is specified in this manual.

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1. SERVICE PRECAUTIONS

1.1 NOTES ON SOLDERING

- For environmental protection, lead-free solder is used on the printed circuit boards mounted in this unit.
Be sure to use lead-free solder and a soldering iron that can meet specifications for use with lead-free solders for repairs accompanied by reworking of soldering.
- Compared with conventional eutectic solders, lead-free solders have higher melting points, by approximately 40 °C. Therefore, for lead-free soldering, the tip temperature of a soldering iron must be set to around 373 °C in general, although the temperature depends on the heat capacity of the PC board on which reworking is required and the weight of the tip of the soldering iron.

Do NOT use a soldering iron whose tip temperature cannot be controlled.

Compared with eutectic solders, lead-free solders have higher bond strengths but slower wetting times and higher melting temperatures (hard to melt/easy to harden).

The following lead-free solders are available as service parts:

- Parts numbers of lead-free solder:
 - GYP1006 1.0 in dia.
 - GYP1007 0.6 in dia.
 - GYP1008 0.3 in dia.

1.2 AMPLIFIER FAILURE DIAGNOSIS FLOW CHART

■ Amplifier failure diagnosis flow chart

When DC detection is activated ("AMP_ERR" flashes on the display), failure (damage) of the power amplifier section is considered.

Caution:

When releasing the lock state of power key before repair, please be careful because there is the possibility that more damages will occur when turning on the power once again!

- According to a symptom, perform the following confirmation beforehand.

1) Are there any Fuses and IC protectors open?

↓

2) After turn on the power, confirm that the supply voltage of the point that can be measured is appropriate. (Particularly the supply voltage of the power Tr and drive step)

↓

3) Whether the voltage of pin2 and pin5 of IC601 or IC603 is equal to (VL-0.7V). If not (eg, equal to VH), then change the corresponding power pack IC601 or IC603.

↓

4) Furthermore, check the output DC voltage of each channel of power pack IC601 and IC603 to limit the failure channel and identify the defect power pack.

↓

- After identify the failure channel, check that each part is not damaged (resistor, diode... etc. value / open / short)

2. SPECIFICATIONS

2.1 SPECIFICATIONS

- A Amplifier section**
- **Continuous power output (stereo)**
Front. . .95 W (20 Hz to 20 kHz, THD 0.2 %, 8 Ω)¹
 - **Rated power output (surround / 20 Hz to 20 kHz, THD 0.06 %, 8 Ω)**
Front.95 W per channel
Center95 W
Surround.95 W per channel
 - **Rated power output (surround / 1 kHz, THD 0.05 %, 8 Ω)**
Front.120 W per channel
Center120 W
Surround.120 W per channel
- B Audio section**
- **Input (Sensitivity/Impedance)**
CD, CD-R/TAPE/MD, DVD/BD, TV/SAT, DVR/VCR.200 mV/47 kΩ
 - **Frequency response**
CD, CD-R/TAPE/MD, DVD/BD, TV/SAT, DVR/VCR.5 Hz to 100 000 Hz ± 0 ± 3 dB
 - **Output (Level/Impedance)**
CD-R/TAPE/MD, DVR/VCR200 mV/2.2 kΩ
 - **Tone control**
Bass. ± 6 dB (100 Hz)
Treble. ± 6 dB (10 kHz)
Loudness.+10 dB/+5 dB (100 Hz/10 kHz)
(at volume level -50 dB)
 - **Signal-to-Noise Ratio (IHF, short circuited, A network)**
CD, CD-R/TAPE/MD, DVD/BD, TV/SAT, DVR/VCR.96 dB
 - **Signal-to Noise Ratio [EIA, at 1 W (1 kHz)]**
CD, CD-R/TAPE/MD, DVD/BD, TV/SAT, DVR/VCR.79 dB
- C Video Section**
- **Input (Sensitivity/Impedance)**
DVR/VCR, DVD/BD, TV/SAT.1 Vp-p/75 Ω
 - **Output (Level/Impedance)**
DVR/VCR, MONITOR OUT1 Vp-p/75 Ω
 - **Frequency response**
DVR/VCR, DVD/BD, TV/SAT \Rightarrow MONITOR5 Hz to 7 MHz ± 0 ± 3 dB
Signal-to-Noise Ratio55 dB
Crosstalk50 dB

Manufactured under license from Dolby Laboratories. "Dolby", "Pro Logic" and the double-D symbol are trademarks of Dolby Laboratories.

"DTS" is a registered trademark of DTS, Inc. and "DTS 96/24" is a trademark of DTS, Inc.

- **Component video section**
- **Input (Sensitivity/Impedance)**
DVD/BD, TV/SAT, DVR/VCR.1 Vp-p/75 Ω
- **Output (Level/Impedance)**
MONITOR OUT1 Vp-p/75 Ω
- **Frequency response**
DVD/BD, TV/SAT, DVR/VCR \Rightarrow MONITOR5 Hz to 40 MHz ± 0 ± 3 dB
Signal-to-Noise Ratio60 dB

- **FM Tuner Section**
Frequency Range87.5 MHz to 108 MHz
Usable SensitivityMono: 13.2 dBf, IHF
(1.3 μV/75 Ω)
50 dB Quieting SensitivityMono: 20.2 dBf
Stereo: 38.6 dBf
Signal-to-Noise RatioMono: 73 dB (at 85 dBf)
Stereo: 70 dB (at 85 dBf)
Distortion.Stereo: 0.5 % (1 kHz)
Alternate Channel Selectivity.60 dB (400 kHz)
Stereo Separation.40 dB (1 kHz)
Frequency Response30 Hz to 15 kHz
(± 1 dB)
Antenna Input (DIN).75 Ω unbalanced

- **AM Tuner Section**
Frequency Range530 kHz to 1700 kHz
Sensitivity (IHF, Loop antenna)350 μV/m
Signal-to-Noise Ratio50 dB
Antenna.Loop antenna

- **Miscellaneous**
Power requirementsAC 120 V/60 Hz
Power consumption280 W
In standby.0.5 W
Dimensions420 mm (W) x 158 mm (H) x 352.5 mm (D)
16⁹/₁₆ in. (W) x 6¹/₄ in. (H) x 13⁷/₈ in. (D)
Weight (without package).7.9 kg (17 lb 4 oz)

- **Furnished Parts**
Remote control1
Dry cell batteries (AA size IEC R6)2
AM loop antenna.1
FM wire antenna1
Operating instructions

 **Note**

- Specifications and the design are subject to possible modifications without notice, due to improvements.

 **Note**

¹ Continuous average power output of 95 watts* per channel, min., at 8 ohms, from 20 Hz to 20 000 Hz with no more than 0.2 %** total harmonic distortion (front).
* Measured pursuant to the Federal Trade Commission's Trade Regulation rule on Power Output Claims for Amplifiers.
** Measured by Audio Spectrum Analyzer.

Accessories



AM loop antenna (ATB7013)

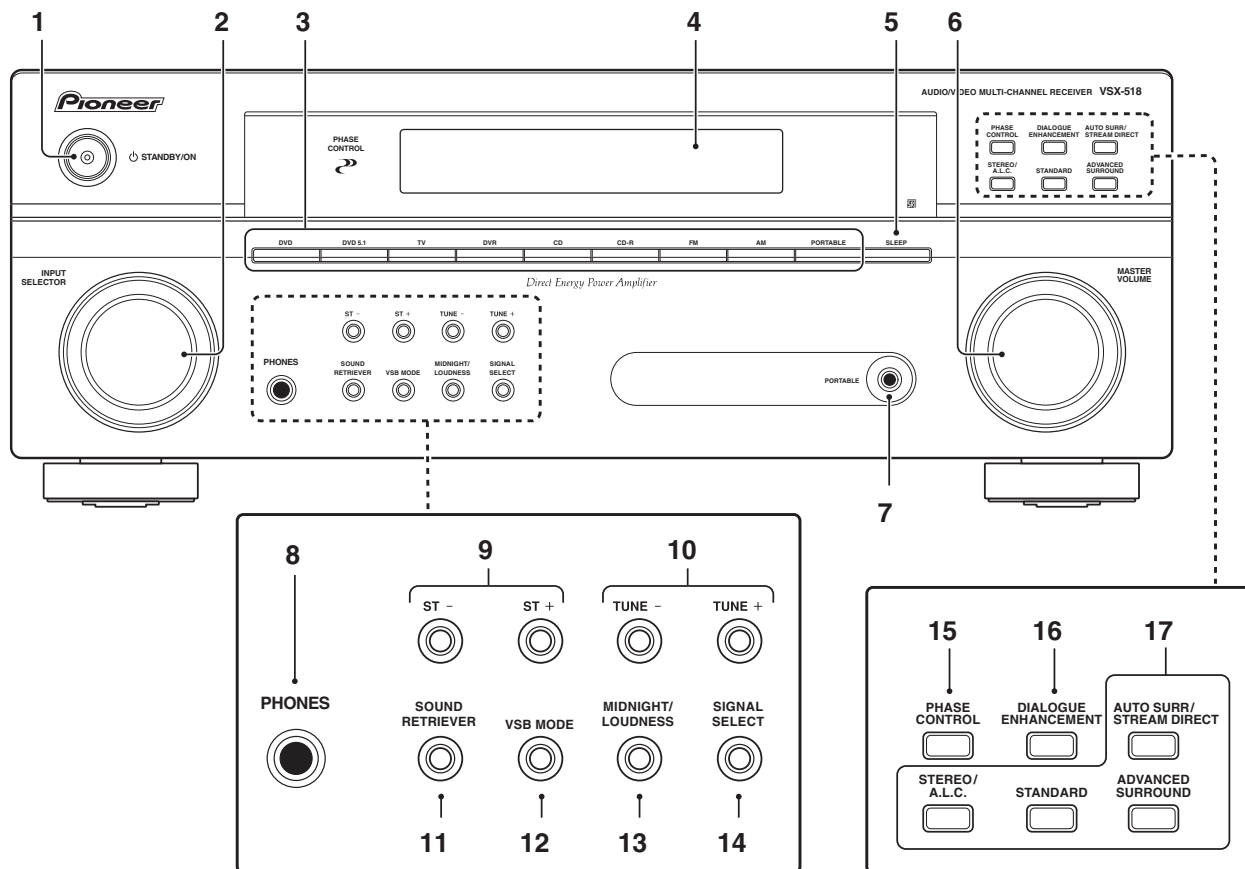
FM wire antenna (ADH7030)

AA size IEC R6 Dry cell batteries (x2)

Remote control (VSX-518-K : XXD3155) (VSX-518-S : XXD3165)

2.2 PANEL FACILITIES

Front panel



1 **STANDBY/ON**

2 **INPUT SELECTOR dial**
Selects an input source.

3 **Input select buttons**
Selects an input source.

4 **Character display**

5 **SLEEP**
Press to change the amount of time before the receiver switches into standby (**30 min – 60 min – 90 min – Off**). You can check the remaining sleep time at any time by pressing **SLEEP** once.

6 **MASTER VOLUME dial**

7 **PORTABLE audio input jack**
Connect an auxiliary component using a stereo mini-jack cable.

8 **PHONES jack**
Use to connect headphones (when connected, there is no sound output from the speakers).

9 **ST +/-**
Use to select preset radio stations.

10 **TUNE +/-**
Used to find radio frequencies.

11 **SOUND RETRIEVER**
Press to restore CD quality sound to compressed audio sources.

12 **VSB MODE**
Press to switch on/off Virtual Surround Back (VSB) mode.

13 **MIDNIGHT/LOUDNESS**
Switches to Midnight/Loudness listening.

14 **SIGNAL SELECT**
Selects an input signal.

15 **PHASE CONTROL**
Press to switch on/off Phase Control.

16 **DIALOGUE ENHANCEMENT**
Use to make dialog stand out when watching TV or a movie.

17 Listening mode buttons

AUTO SURR/STREAM DIRECT

Switches between Auto surround mode (Auto playback) and Stream Direct playback. Stream Direct playback bypasses the tone controls for the most accurate reproduction of a source.

STEREO/A.L.C.

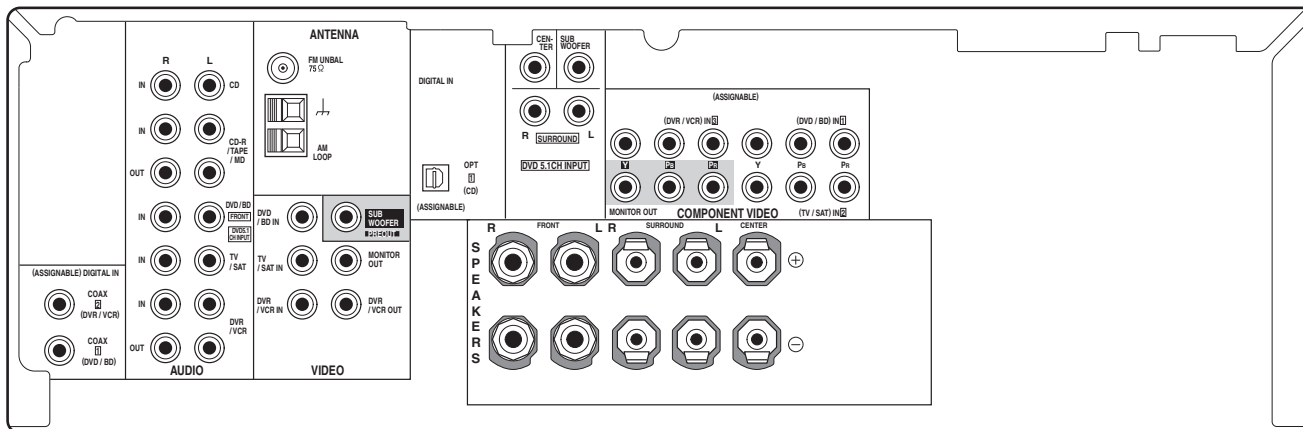
Switches between stereo playback, Auto level control stereo mode and Front Stage Surround Advance modes.

STANDARD

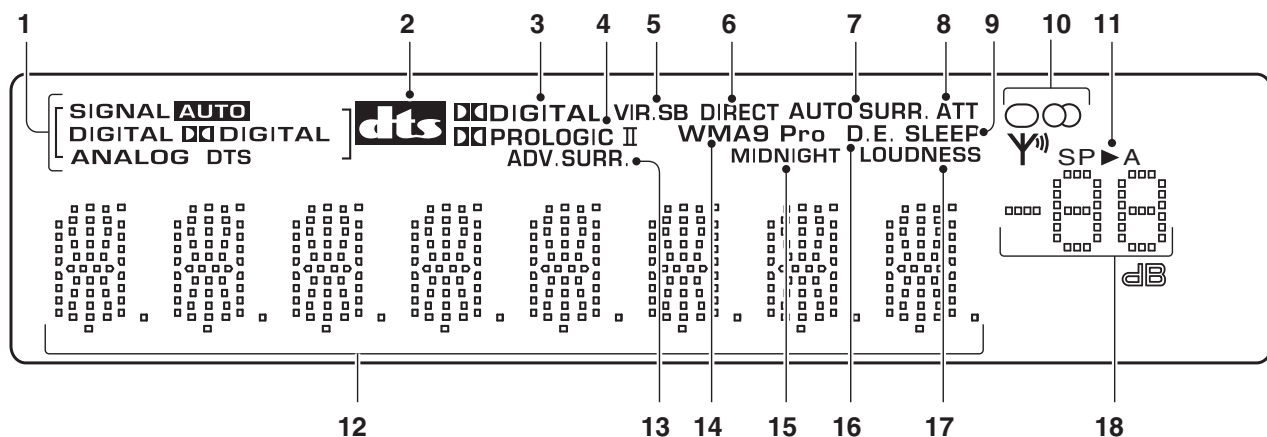
Press for Standard decoding and to switch between the various **PRO LOGIC II** options.

ADVANCED SURROUND

Switches between the various surround modes.



Display

**1 SIGNAL SELECT indicators**

Lights to indicate the type of input signal assigned for the current component:

AUTO

Lights when **AUTO** signal select is on.

DIGITAL

Lights when a digital audio signal is detected.

DIGITAL

Lights when a Dolby Digital encoded signal is detected.

ANALOG

Lights when an analog signal is detected.

DTS

Lights when a source with DTS encoded audio signals is detected.

2 

Lights to indicate decoding of a DTS multichannel signal.

3 

Lights to indicate decoding of a Dolby Digital multichannel signal.

4 

Lights to indicate Pro Logic II decoding.

5 VIR.SB

Lights during Virtual surround back processing.

6 DIRECT

Lights when source Stream Direct playback is in use. Direct playback bypasses the tone controls for the most accurate reproduction of a source.

7 AUTO SURR.

Lights when the Auto Surround feature is switched on.

8 ATT

Lights when **ANALOG ATT** is used to attenuate (reduce) the level of the analog input signal.

9 SLEEP

Lights when the receiver is in sleep mode.

10 Tuner indicators** / MONO**

Lights when the mono mode is set using the **MPX** button.

 / STEREO

Lights when a stereo FM broadcast is being received in auto stereo mode.

 / TUNED

Lights when a broadcast is being received.

11 Speaker indicator

Shows if the speaker system is on or not.

SP > A means the speakers are switched on.

SP > means the headphones are connected.

12 Character display**13 ADV.SURR. (Advanced Surround)**

Lights when one of the Advanced Surround modes has been selected.

14 WMA9 Pro

Lights to indicate decoding of a WMA9 Pro signal.

15 MIDNIGHT

Lights during Midnight listening.

16 D.E.

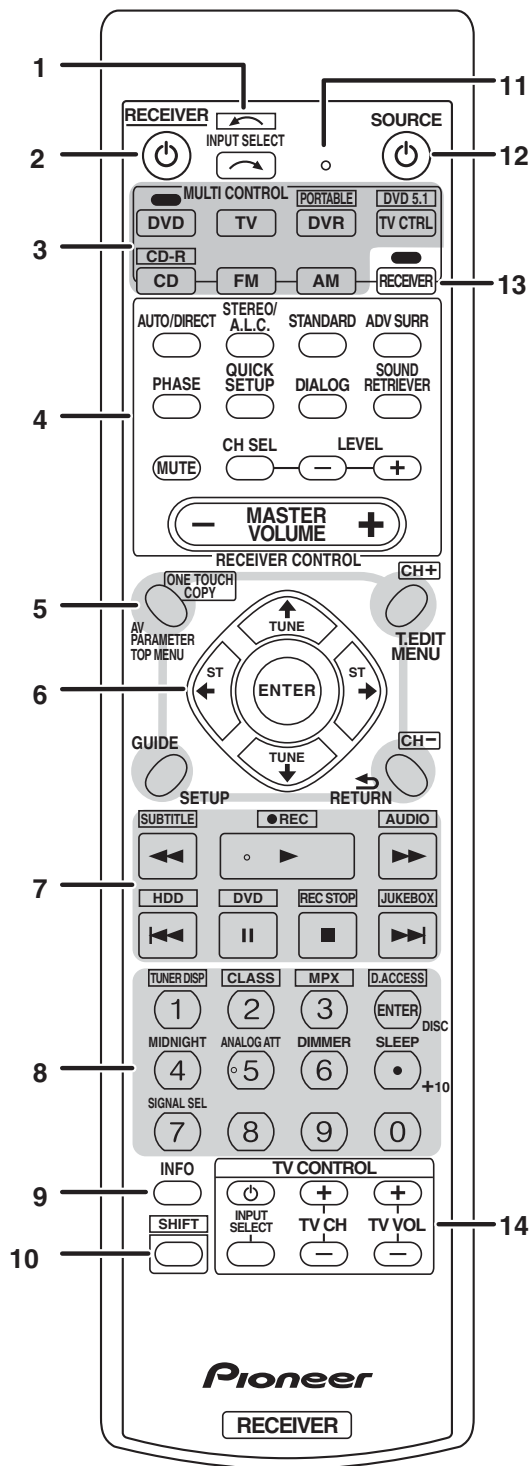
Lights when Dialog Enhancement is switched on.

17 LOUDNESS


Lights during Loudness listening.

18 Master volume level

Remote control



1 INPUT SELECT

Use to select the input source (use **SHIFT** for **INPUT SELECT** ).

2 RECEIVER

Switches the receiver between standby and on.

3 MULTI CONTROL buttons

Press to select control of other components.

PORTABLE, **DVD 5.1** and **CD-R** buttons can be used with **SHIFT** button.

4 RECEIVER CONTROL buttons


AUTO/DIRECT

Switches between Auto surround mode (Auto playback) and Stream Direct playback. Stream Direct playback bypasses the tone controls for the most accurate reproduction of a source.

STEREO/A.L.C.

Switches between stereo playback, Auto level control stereo mode and Front Stage Surround Advance modes.

STANDARD

Press for Standard decoding and to switch between  Pro Logic II options.

ADV SURR

Switches between the various surround modes.

PHASE

Press to switch on/off Phase Control.

QUICK SETUP

DIALOG

Use to make dialog stand out when watching TV or a movie.

SOUND RETRIEVER

Press to restore CD quality sound to compressed audio sources.

MUTE

Mutes/unmutes the sound.

CH SEL

Press repeatedly to select a channel, then use **LEVEL +/-** to adjust the level.

LEVEL +/-

Use to adjust the channel levels.

MASTER VOLUME +/-

Use to set the listening volume.

5 System Setup and Component control buttons

The following button controls can be accessed after you have selected the corresponding **MULTI CONTROL** button (**DVD**, **DVR**, **RECEIVER**, etc.).

AV PARAMETER

Use to access the AV options.

TOP MENU

Displays the disc 'top' menu of a DVD.

ONE TOUCH COPY*

Copies the currently playing title from DVD to HDD or vice-versa.

GUIDE

Displays/changes the subtitles on multilingual DVDs.

SETUP

Press to access the System Setup menu. Also functions as the **SETUP** button for DVD/DVR units.

T.EDIT

Memorizes/names stations for recall.

MENU

Displays the disc menu of DVD-Video discs.

RETURN

Confirm and exit the current menu screen.

CH +/-*

Use to select channels for DVD/DVR units.

6 **↑↓←→ (TUNE ↑/↓, ST ←/→), ENTER**

Use the arrow buttons when setting up your surround sound system. Also used to control DVD menus/options.

Use the **TUNE ↑/↓** buttons can be used to find radio frequencies and the

ST ←/→ buttons can be used to select preset radio stations.

7 Component control buttons

Use these buttons to control a Pioneer DVD player or recorder connected to your system. These buttons can be accessed after the **DVD** or **DVR** button is pressed.

Button	What it does
▶	Starts/resumes normal playback.
⏸	Pauses/unpauses a disc.
■	Stops playback.
◀◀/▶▶	Press to start fast reverse/forward scanning.
⏮	Skips to the start of the current track or chapter, then previous tracks/chapters.
⏭	Skips to the next track or chapter.
●REC*	Starts recording.
REC STOP*	Stops recording.
SUBTITLE*	Displays/changes the subtitles on multilingual DVD-Video discs.
AUDIO*	Changes the audio language or channel on DVD discs.
HDD*, DVD*	Switch between the hard disk and DVD controls for DVR.
JUKEBOX*	Display the jukebox screen.

8 Number buttons and other component controls

Use the number buttons to directly select a radio frequency or the tracks on a Pioneer DVD/DVR units. There are other buttons that can be accessed after the **RECEIVER** button is pressed. (For example **MIDNIGHT**, etc.)

TUNER DISP*

Switches between named station presets and radio frequencies.

CLASS*

Switches between the three banks (classes) of radio station presets.

MPX*

Switches between stereo and mono reception of FM broadcasts. If the signal is weak then switching to mono will improve the sound quality.

D.ACCESS*

After pressing, you can access a radio station directly using the number buttons.

MIDNIGHT

Switches to Midnight or Loudness listening.

ANALOG ATT

Attenuates (lowers) the level of an analog input signal to prevent distortion.

DIMMER

Dims or brightens the display.

SLEEP

Press to change the amount of time before the receiver switches into standby (**30 min – 60 min – 90 min – Off**). You can check the remaining sleep time at any time by pressing **SLEEP** once.

SIGNAL SEL

Use to select an input signal.

9 INFO

Displays additional EPG information on a DVD/DVR.

10 SHIFT

Press to access the 'boxed' commands (above the buttons) on the remote. These buttons are marked with an asterisk (*) in this section.

11 Remote control LED

Lights when a command is sent from the remote control.

12 **⏻ SOURCE**

Turns on or off the power of the Pioneer DVD/DVR units when **DVD** or **DVR** is selected using the **MULTI CONTROL** buttons.

13 RECEIVER

Switches the remote to control the receiver (used to select the green commands above the number buttons (**SETUP**, etc)). Also use this button to set up surround sound.

14 TV CONTROL buttons

These buttons can control only be used with Pioneer plasma displays.



Use to turn on/off the power of the TV.

INPUT SELECT

Use to select the TV input signal.

TV CH +/-

Use to select channels.

TV VOL +/-

Use to adjust the volume on your TV.

3. BASIC ITEMS FOR SERVICE

3.1 CHECK POINTS AFTER SERVICING

A

To keep the product quality after servicing, confirm recommended check points shown below.

No.	Procedure	Check points
1	Confirm whether the customer complain has been solved. If the customer complain occurs with the particular source, such as Dolby Digital, DTS, AAC, DVD-A and HDMI, input it for the operation check.	The customer complain must not be reappeared. Video, Audio and operations must be normal.
2	Check the analog audio playback. (Make the analog connections with a DVD player.)	Each channel audio and operations must be normal.
3	Check the digital audio playback. (Make the digital connections with a DVD player.)	Each channel audio and operations must be normal.
4	Check surround playback. (Select Surround mode and check the multichannel operations via the DSP circuit.)	Each channel audio and operations must be normal.
5	Check the video outputs. (Connect with a DVD player.)	Video and operations must be normal.
6	Check the sound from headphone output.	Sound must be normal, without noise.
7	Check the appearance of the product.	No scratches or dirt on its appearance after receiving it for service.

C

See the table below for the items to be checked regarding video and audio:

Items to be checked regarding video	Item to be checked regarding audio
Block noise	Distortion
Horizontal noise	Noise
Dot noise	Volume too low
Disturbed image (video jumpiness)	Volume too high
Too dark	Volume fluctuating
Too bright	Sound interrupted
Mottled color	

D

■ CLEANING



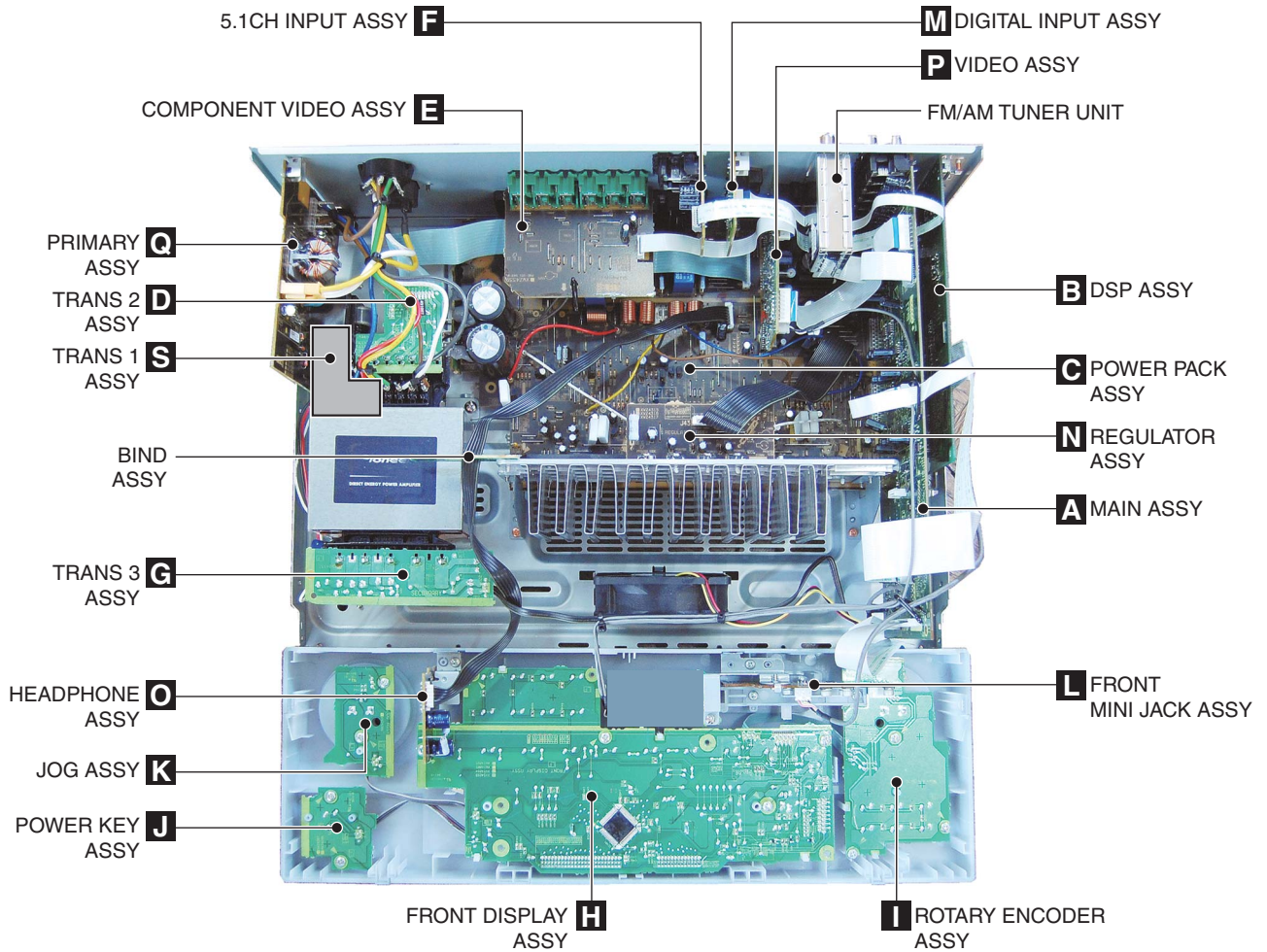
Before shipping out the product, be sure to clean the following positions by using the prescribed cleaning tools:

E

Position to be cleaned	Cleaning tools
Fans	Cleaning paper : GED-008

F

3.2 PCB LOCATIONS



NOTES: ● Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.
 ● The ⚠ mark found on some component parts indicates the importance of the safety factor of the part.
 Therefore, when replacing, be sure to use parts of identical designation.

Mark No.	Description	Part No.	Mark No.	Description	Part No.
LIST OF ASSEMBLIES					
	1..DSP ASSY	AWX8980	NSP	1..AMP ASSY	XWK3345
NSP	1..COMPLEX ASSY	XWK3331		2..POWER PACK ASSY	XWZ4322
	2..FRONT DISPLAY ASSY	XWZ4283		2..TRANS 2 ASSY	XWZ4334
	2..ROTARY ENCODER ASSY	XWZ4286		2..TRANS 3 ASSY	XWZ4337
	2..POWER KEY ASSY	XWZ4287		2..COMPONENT VIDEO ASSY	XWZ4339
	2..JOG ASSY	XWZ4289		2..5.1CH INPUT ASSY	XWZ4341
	2..VIDEO ASSY	XWZ4290		2..BIND ASSY	XWZ4344
	2..FRONT MINI JACK ASSY	XWZ4296	1..MAIN ASSY		XWK3355
	2..DIGITAL INPUT ASSY	XWZ4298	1..FM/AM TUNER UNIT		AXX7210
	2..PRIMARY ASSY	XWZ4301			
	2..REGULATOR ASSY	XWZ4315			
	2..TRANS 1 ASSY	XWZ4320			
	2..HEADPHONE ASSY	XWZ4321			

4. BLOCK DIAGRAM

4.1 OVERALL WIRING CONNECTION DIAGRAM

A

B

B

C

C

D

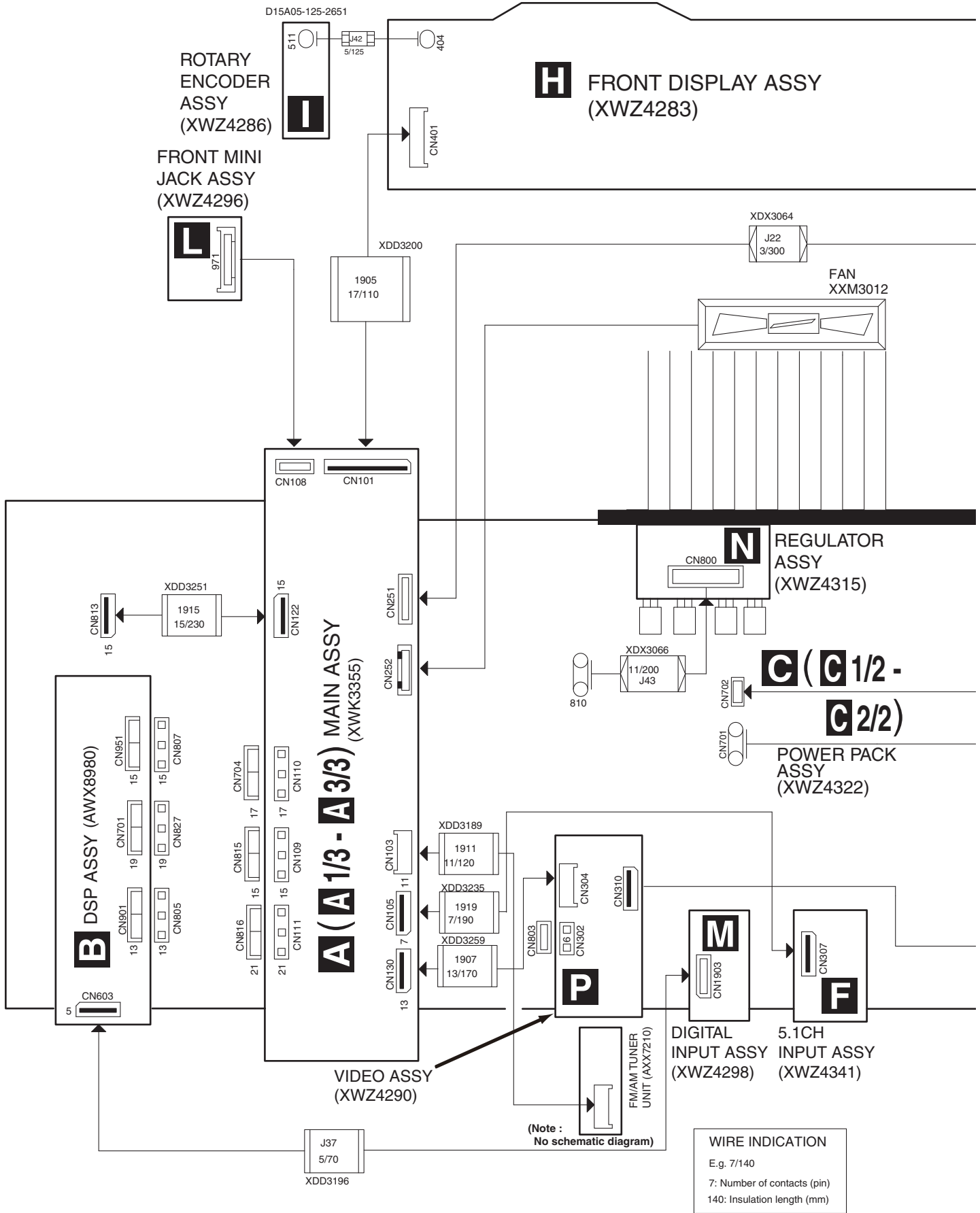
D

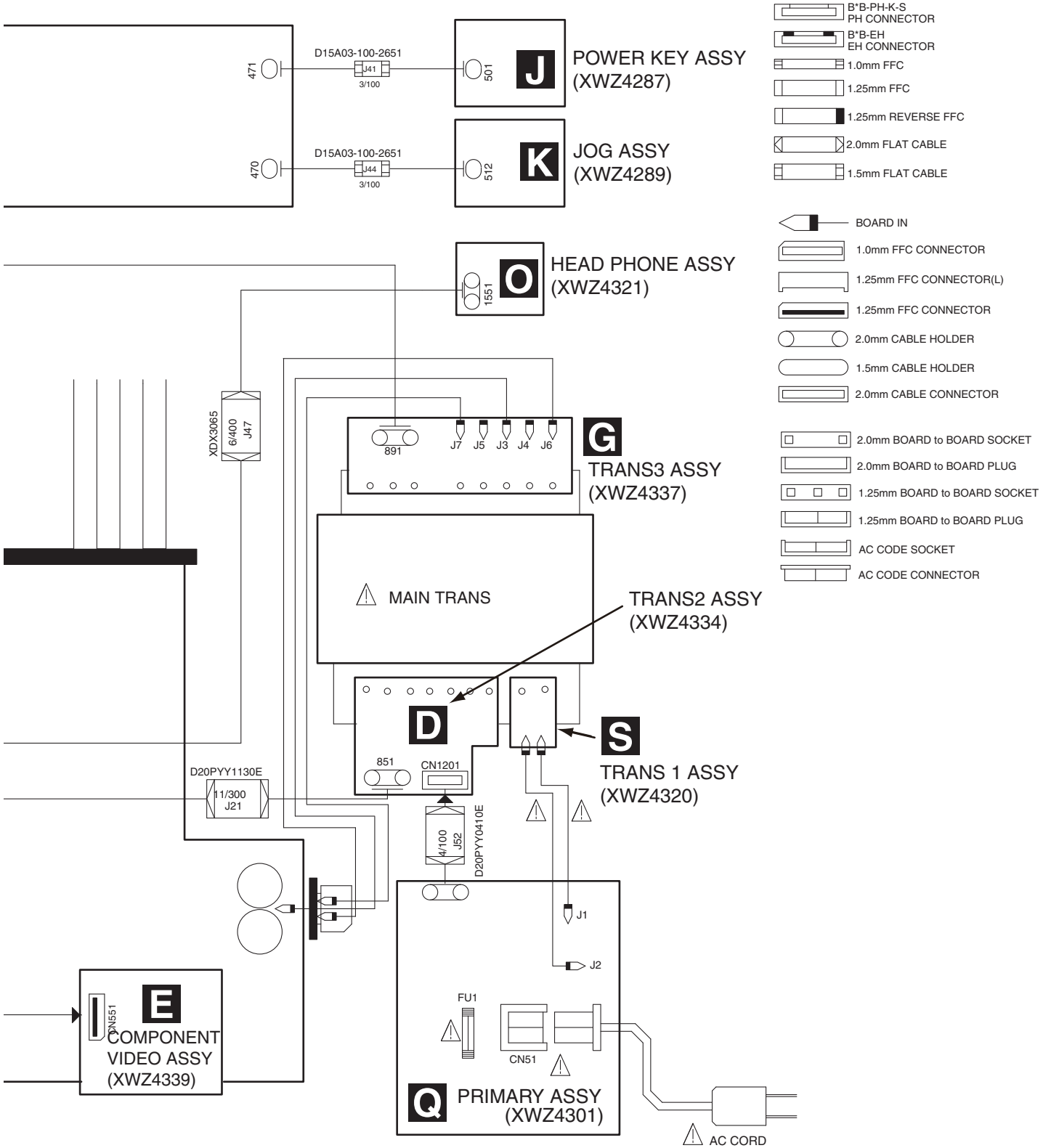
E


E

F

F

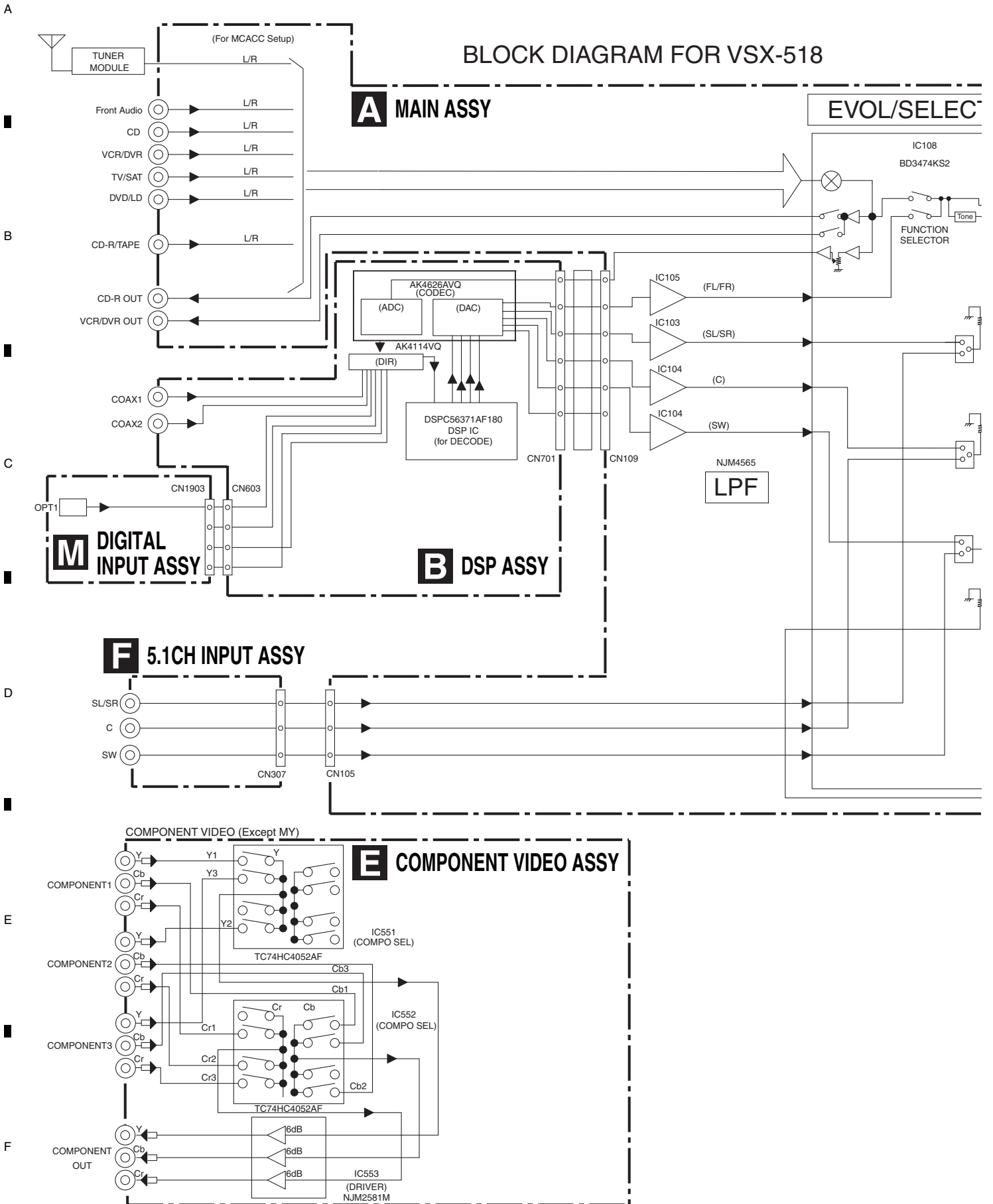


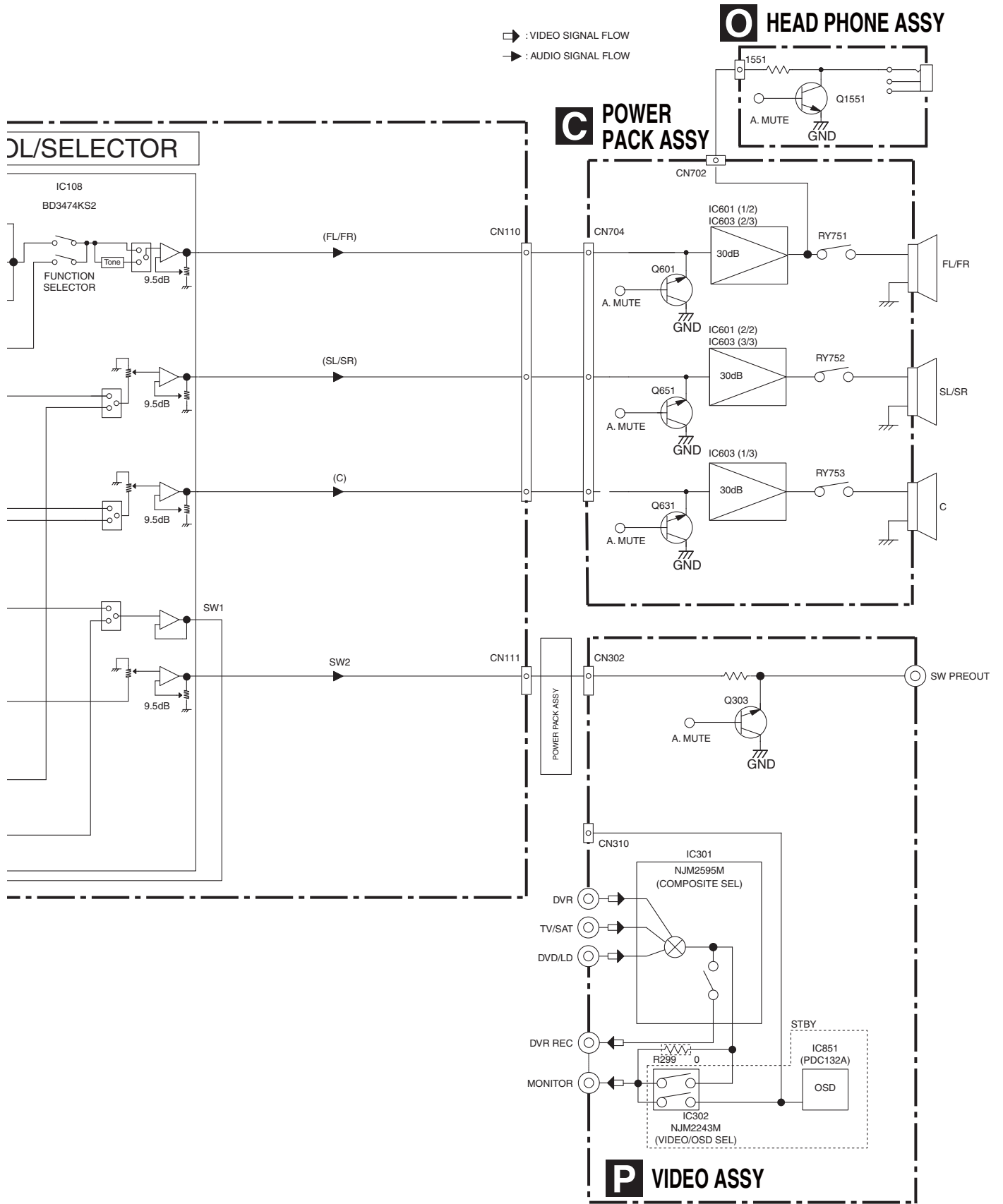


- When ordering service parts, be sure to refer to "EXPLODED VIEWS and PARTS LIST" or "PCB PARTS LIST".
- The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.
-  : The power supply is shown with the marked box.

4.2 BLOCK DIAGRAM

BLOCK DIAGRAM FOR VSX-518

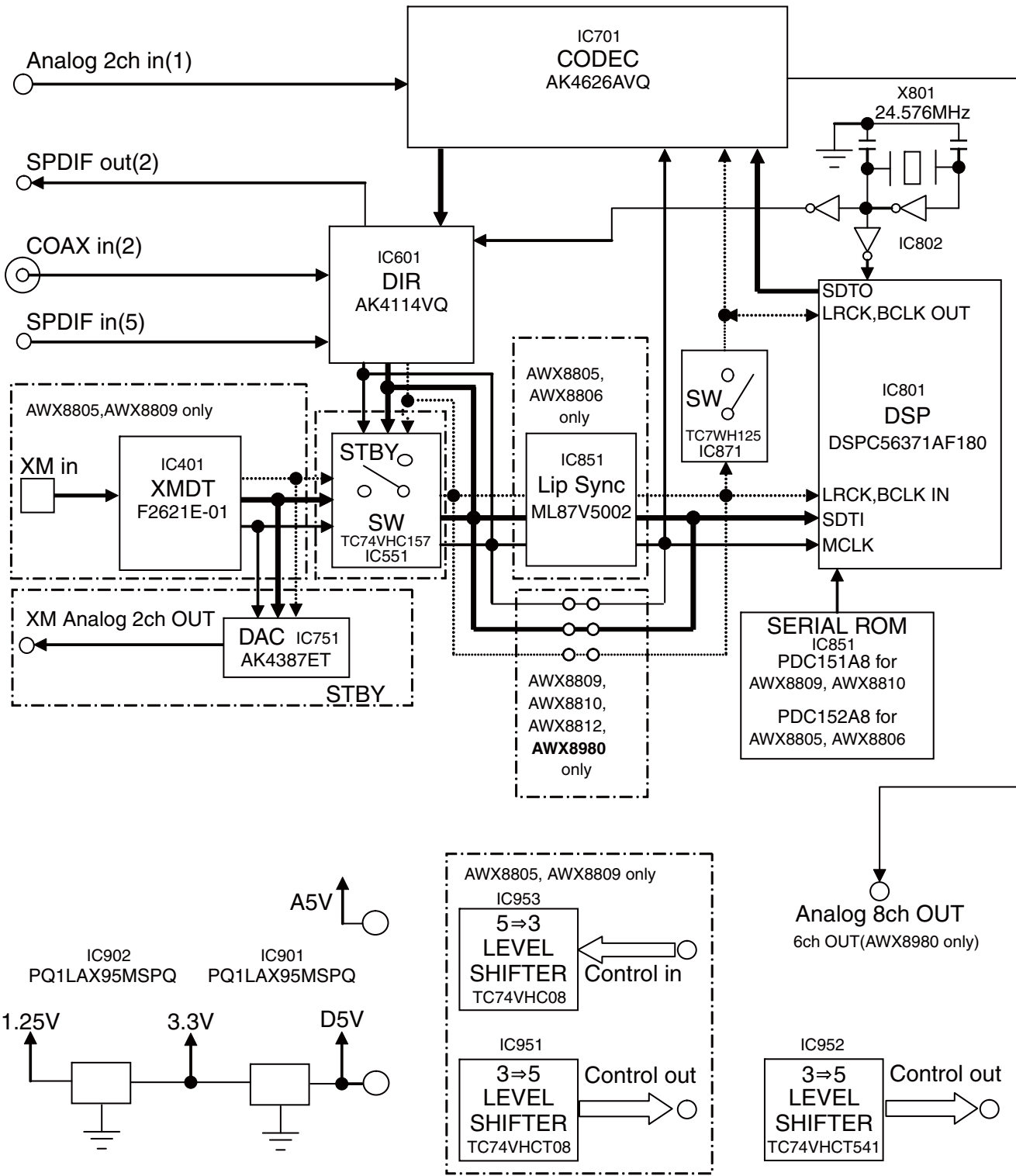




4.3 DSP BLOCK DIAGRAM

DSP ASSY Block Diagram

B DSP ASSY
(VSX-518 : AWX8980)



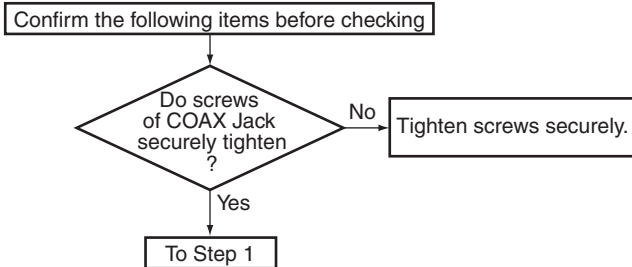
5. DIAGNOSIS

5.1 DIAGNOSIS FLOWCHART (DSP ASSY)

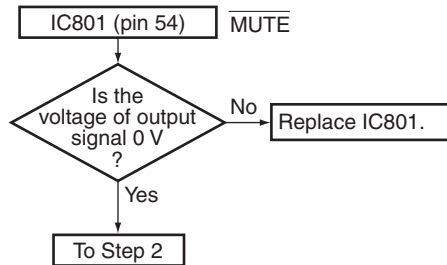
Troubleshooting for all destination

- When a sound is not out in the multi-CH signal playback mode or surround mode with the digital signal input. (SurroundBack is not output by setting.)
- Suppose CR to be normal contact and that is not damaged.
- This shows failure analysis of DSP Assy.

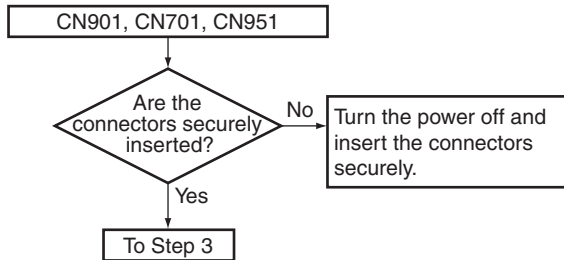
Step 0: Preliminary confirmation



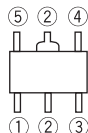
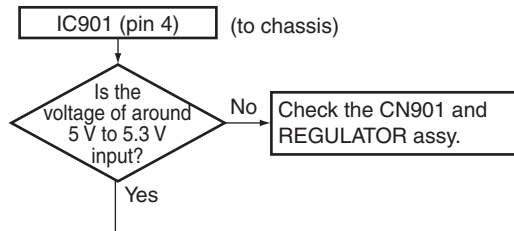
Step 1: MUTE pin



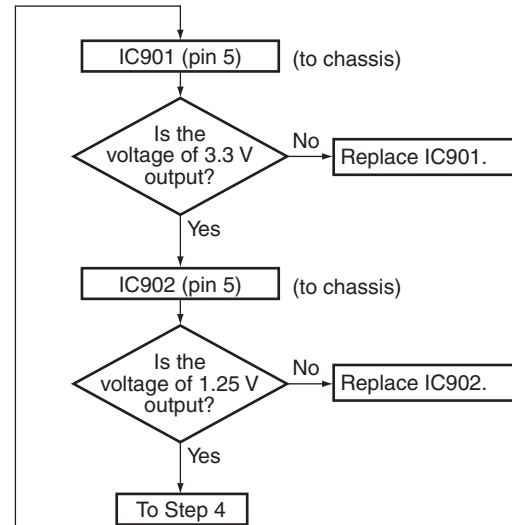
Step 2: BtoB connector



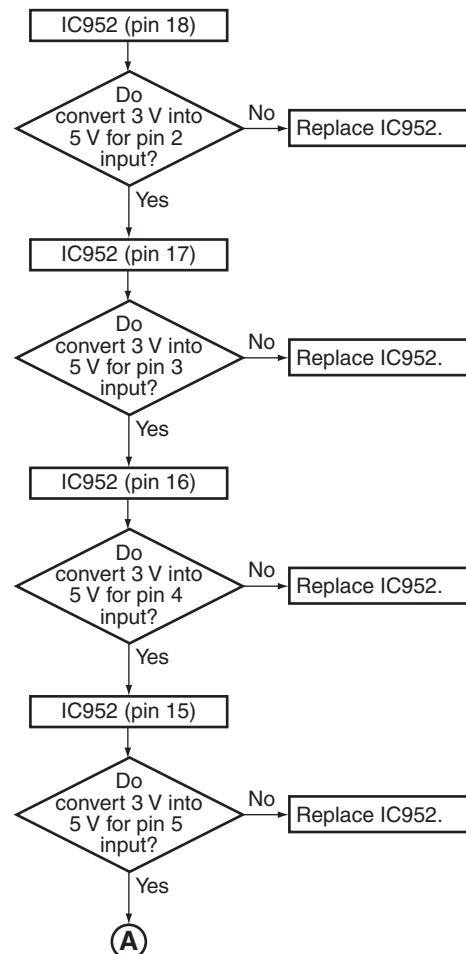
Step 3: Regulator IC



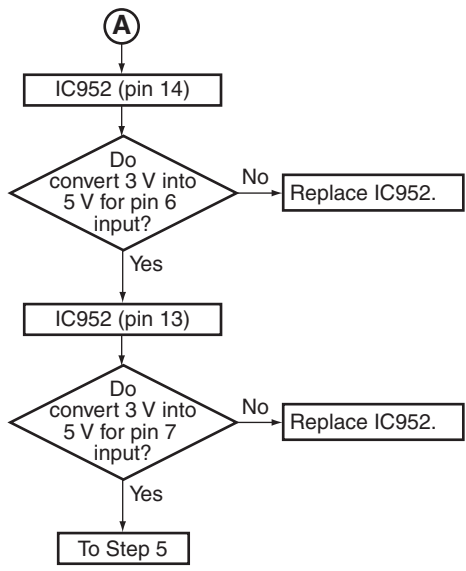
Part shape and Pin arrangement of IC901 and IC902



Step 4: 3 V to 5 V conversion



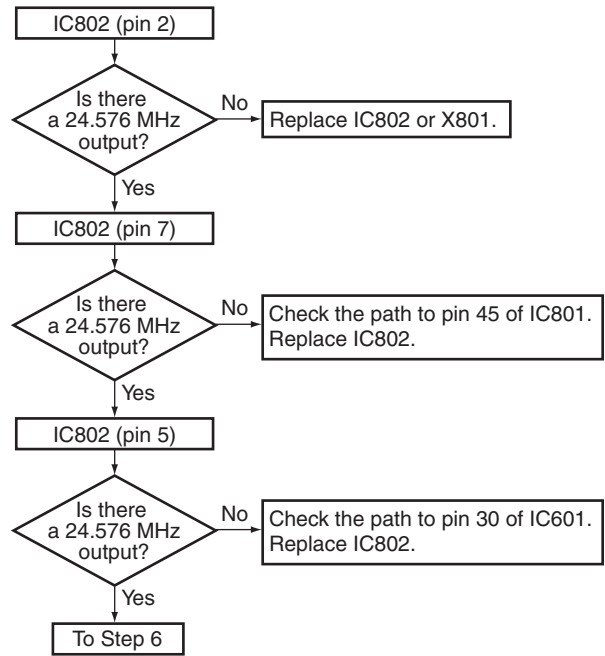
A



B

Step 5: X'tal

C



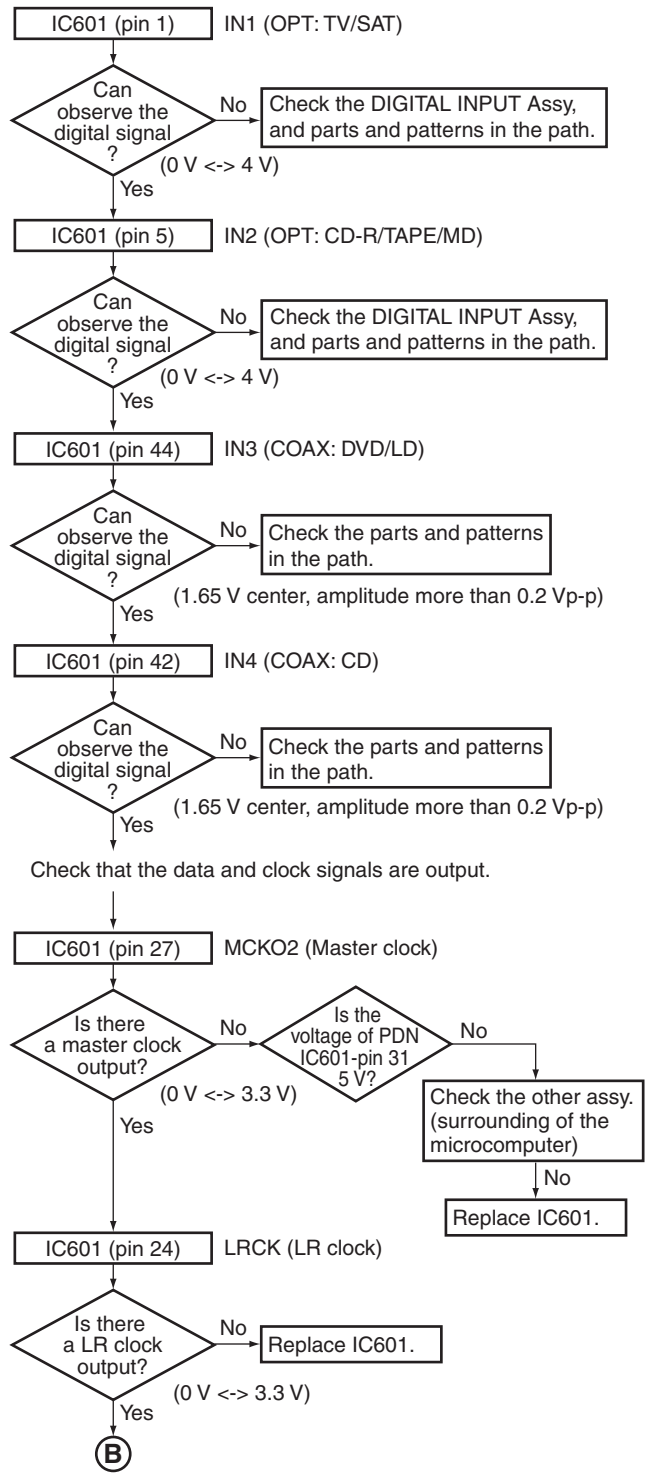
D

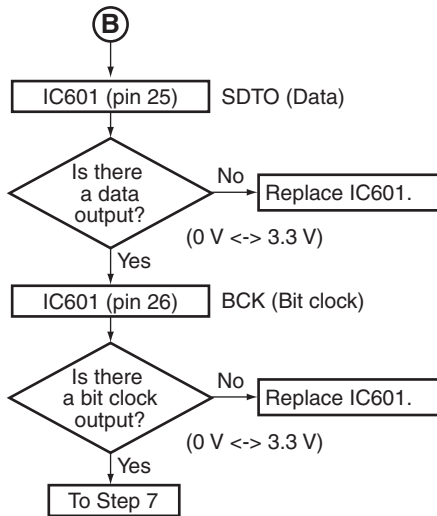
E

F

Step 6: DIR

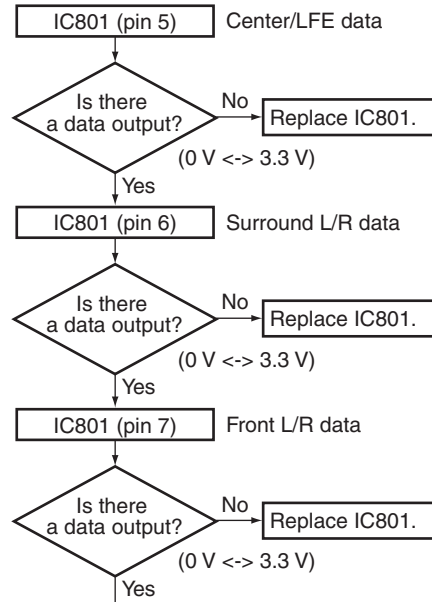
Check that the S/PDIF signal is output.
Check that changes by pulling out and inserting the digital input lines.



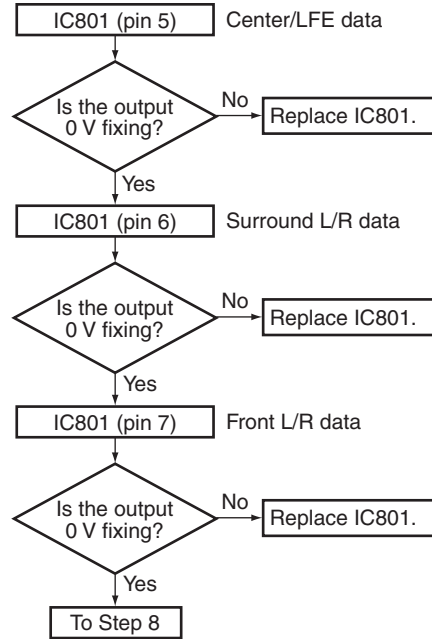


Step 7: DSP output (digital)

Digital output of each CH when inputting the digital signal with audio.

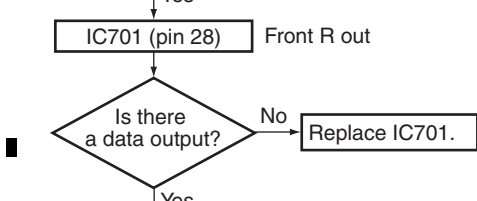
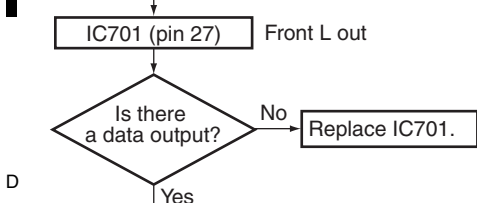
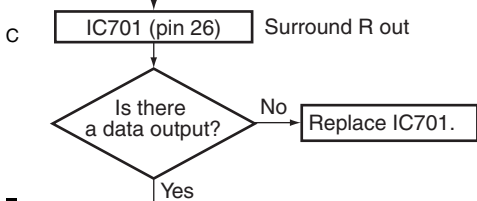
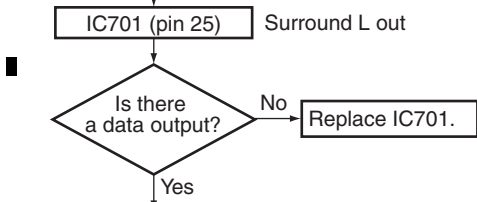
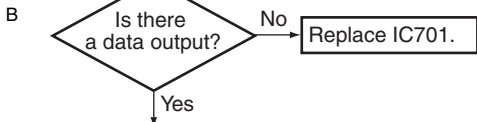
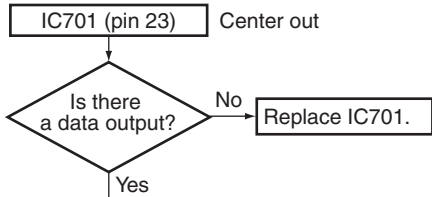


Digital output of each CH when inputting the digital signal (-∞ dB (no audio)).

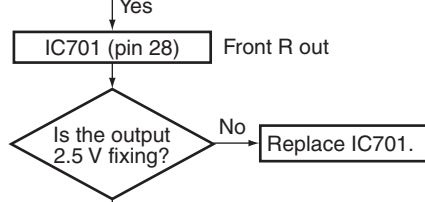
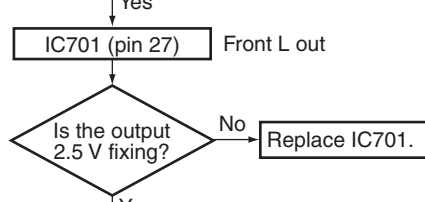
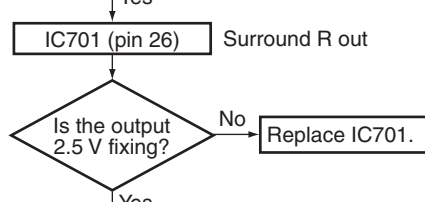
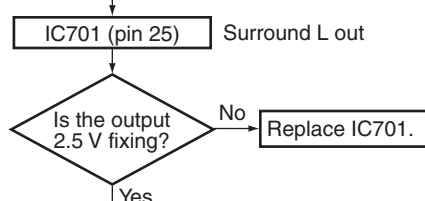
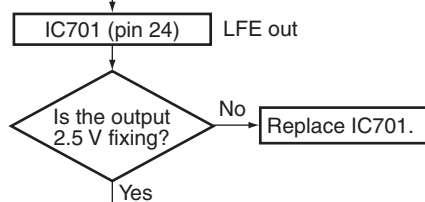
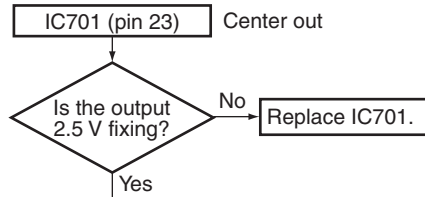


Step 8: Codec output (analog)

A Analog output of each CH when inputting the digital signal with audio.

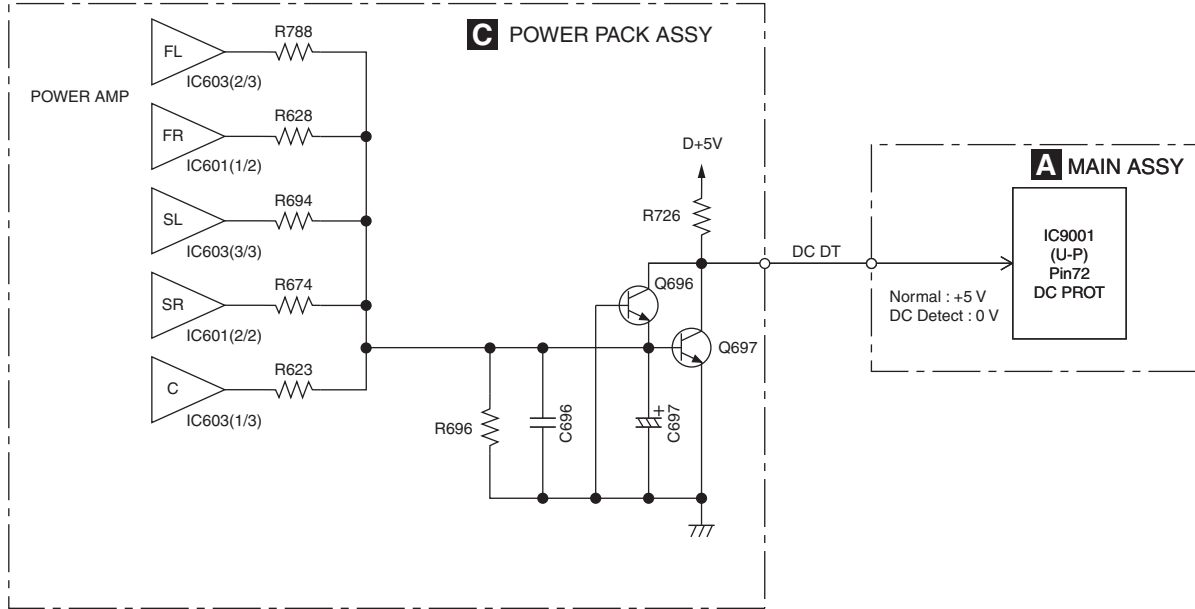


Analog output of each CH when inputting the digital signal (-∞ dB (no audio)).

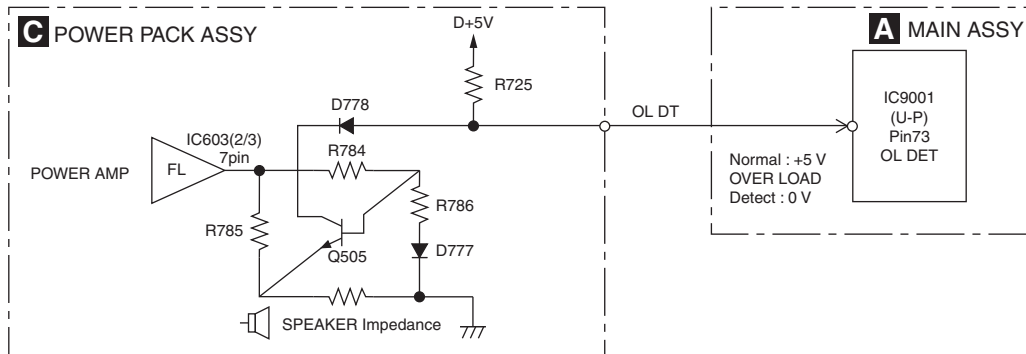


5.2 DETECTION CIRCUIT

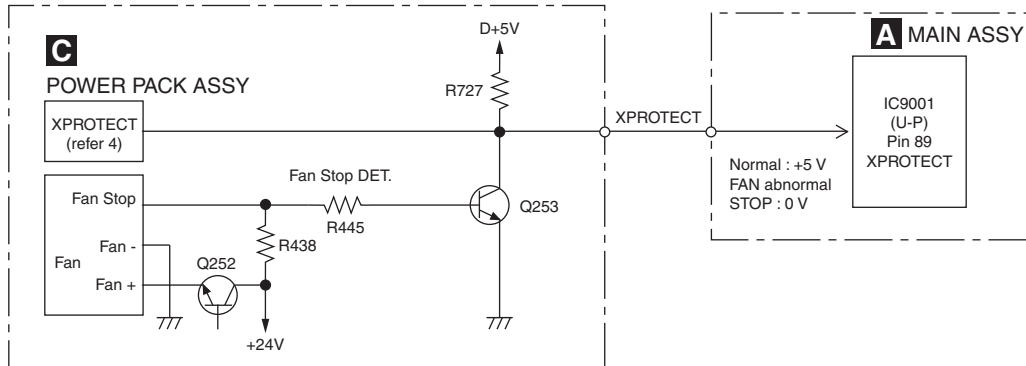
1. DC Derrection Circuit Diagram : Example of VSX-918V/KUXJ/CA



2. Overload Detection Circuit Diagram: Example of VSX-918V/KUXJ/CA FRONT Channel



3. Fan Stop Protection Circuit Diagram

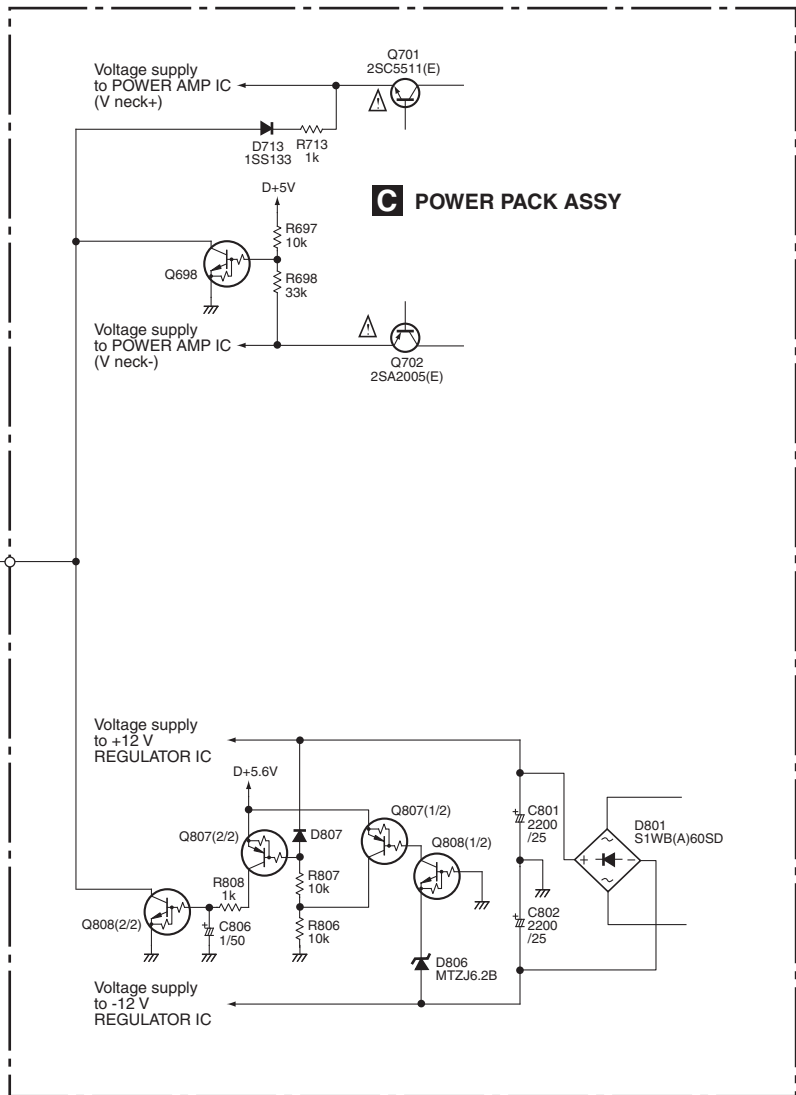
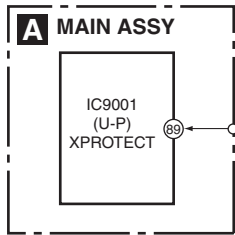


4. XPROTECT Detection Circuit Diagram

When below 6 kind of voltage supply become to be short circuit to GND, XPROTECT circuit work and U-P input port voltage change from +5 V to 0 V. The U-P detect this condition as ERROR.

- Voltage supply to POWER AMP IC (V neck+)
- Voltage supply to POWER AMP IC (V neck-)
- Voltage supply to +12 V REGULATOR IC
- Voltage supply to -12 V REGULATOR IC

A
B
C
D
E
F



5.3 AMPLIFIER SYSTEM PROTECTION OPERATION SPECIFICATION

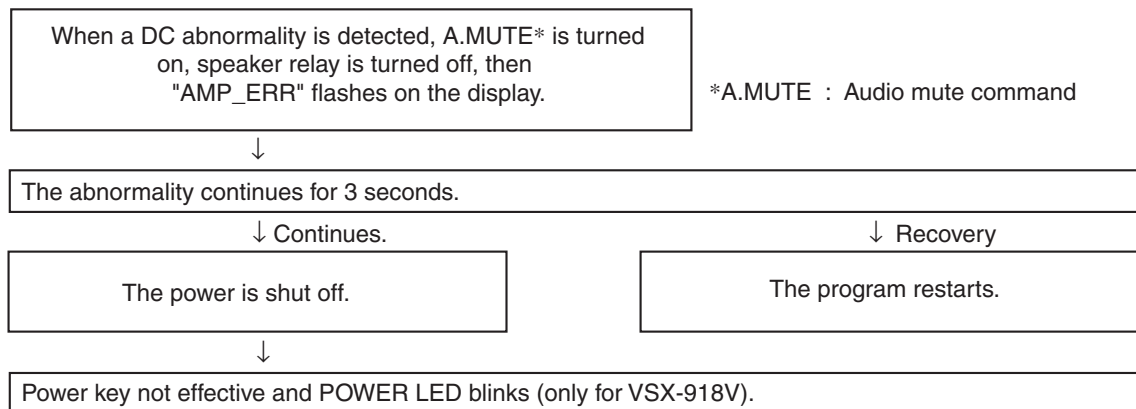
1. DC-abnormality detection

DC detection is only enabled 2 seconds after power-on.

If there is a fault in the power amplifier or a high-level signal lower than 5 Hz is input, the DC_DET port becomes "L".

If the "L" is detected, the microprocessor will perform as following flow chart.

In the case of simultaneous detection with the overload protection circuit, DC-abnormality detection is performed preferentially to overload detection.



*A.MUTE : Audio mute command

However, when the following keys are pushed so that the key input of a line and the service can be carried out, power can be on.

① TESTMODE ON (A55F+A55F)

② When power off, push TUNE+ key + AUTO SURR/DIRECT key continuously 2sec.

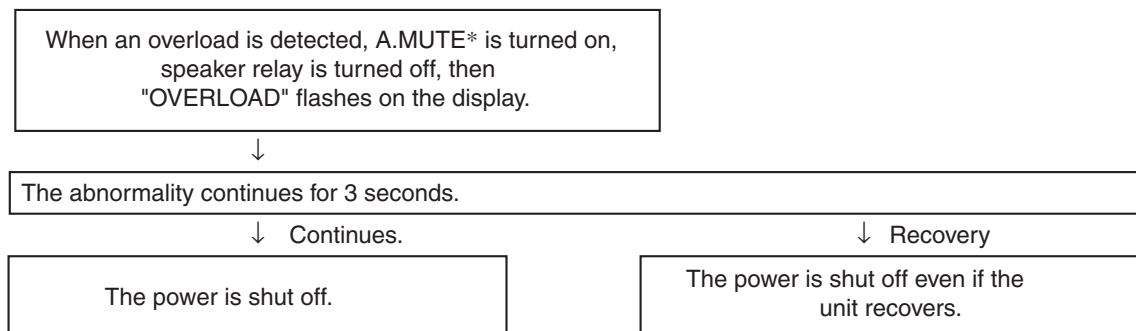
(②: When a DC abnormality is detected and the power is shut off.)

Any other key input from front panel or remote control will not be detected.

2. Overload detection

If the speaker terminals are short-circuited or low-load driving is detected, the OL_DET port becomes "L".

If the "L" is detected, the microprocessor will perform as following flow chart.



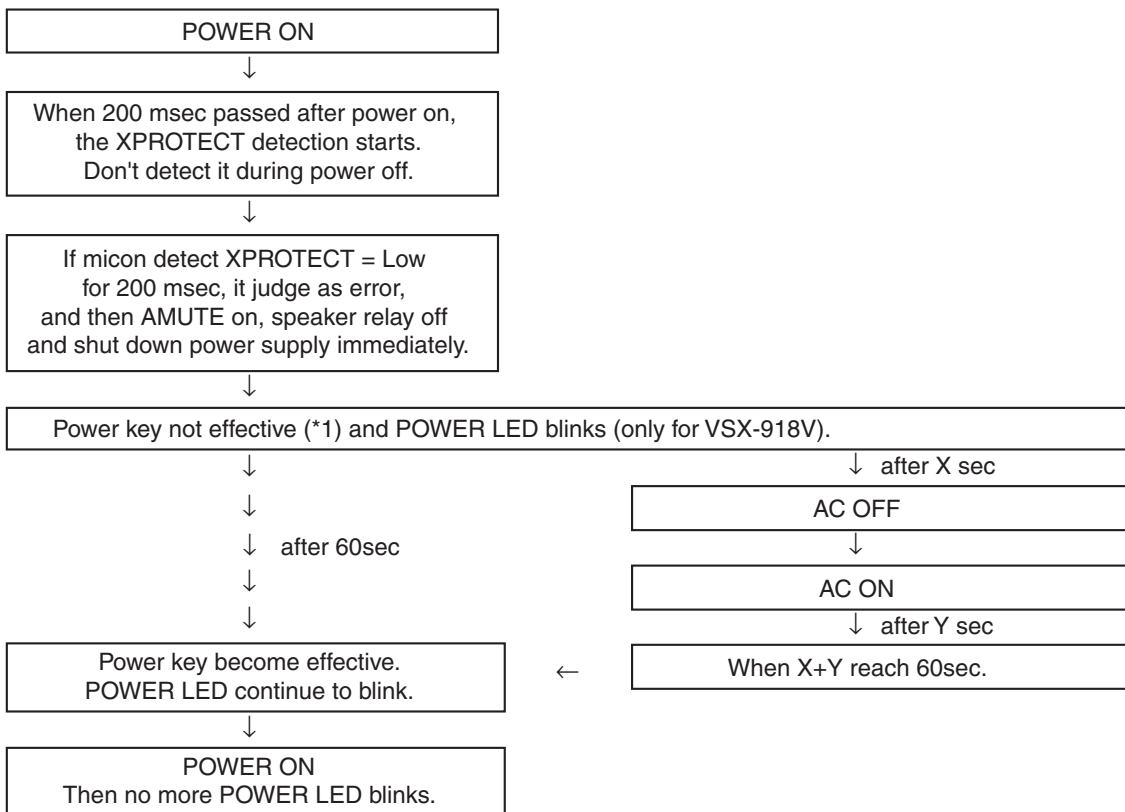
3. XPROTECT detection

XPROTECT is started to be monitored 200msec after power on.

XPROTECT port is checked every 20msec.

If Low level (ERROR) is recognized during consecutive 9 times, micon judge it as XPROTECT ERROR.

It processes more preferentially than DC abnormal detection and overload detection.



(*1) However, when the following keys are pushed so that the key input of a line and the service can be carried out, power can be on.

① TESTMODE ON (A55F+A55F)

② When power off, push TUNE+ key + AUTO SURR/DIRECT key continuously 2sec.

(Effective, only when power-off is carried out by DC detection / XPROTECT detection)

Any other key input from front panel or remote control will not be detected.

4. Fan stop detection operation flow in the XPROTECT detection

If the fan is forcibly stopped or become out of order, the 'XPROTECT' port becomes "L". Then an abnormality of fan is detected.

- Detection routine and recovery is same as "3. XPROTECT detection".

6. SERVICE MODE

There is no information to be shown in this chapter.

7. DISASSEMBLY

Note : Even if the unit shown in the photos and illustrations in this manual may differ from your product, the procedures described here are common.

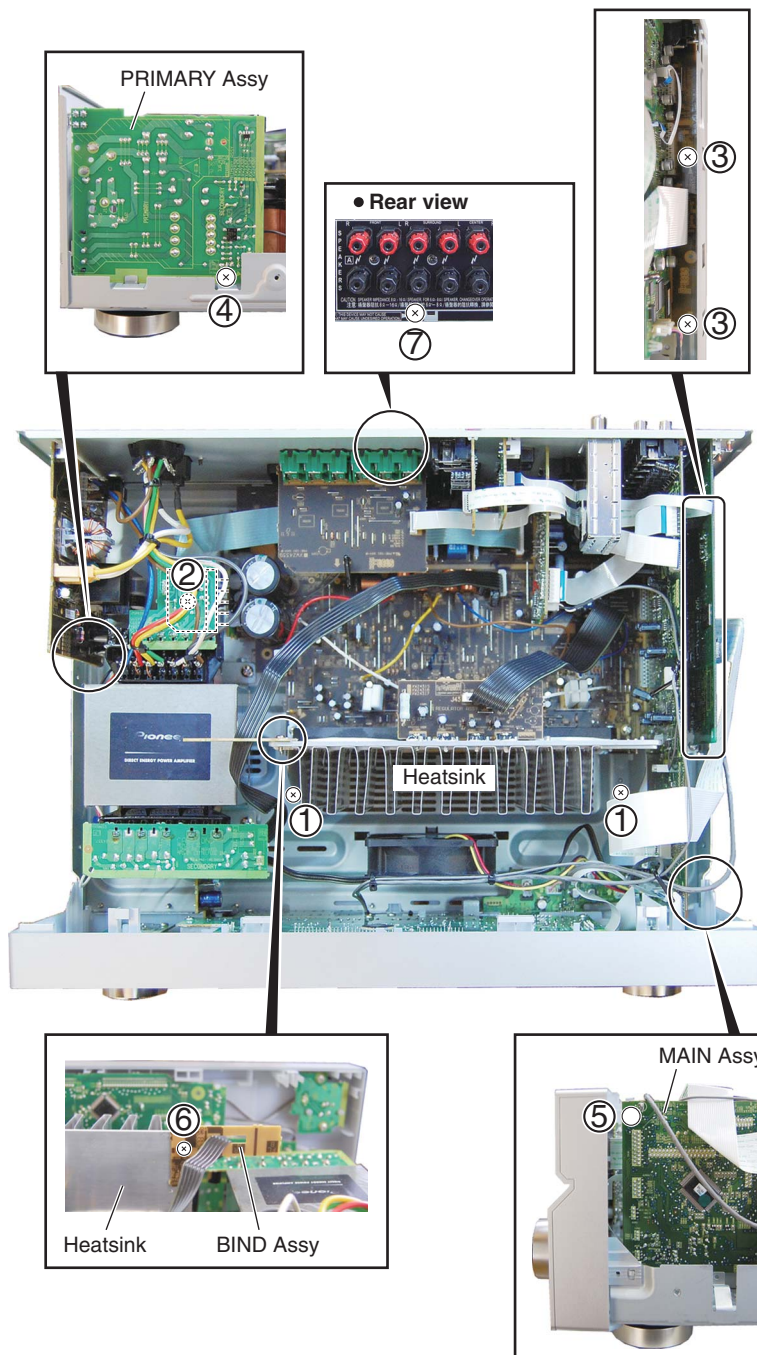
Diagnosis of the Unit

Caution:

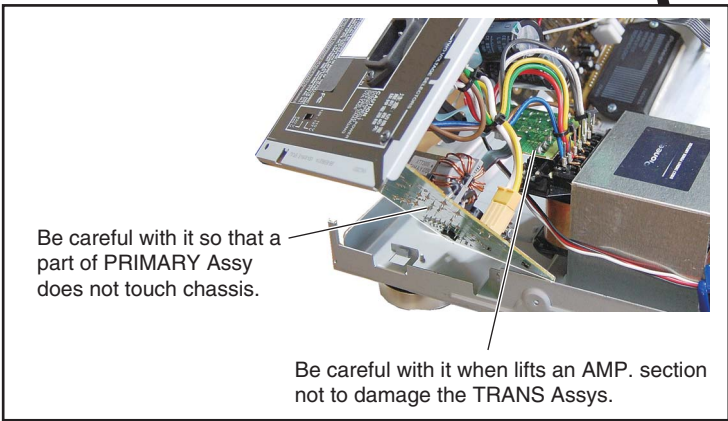
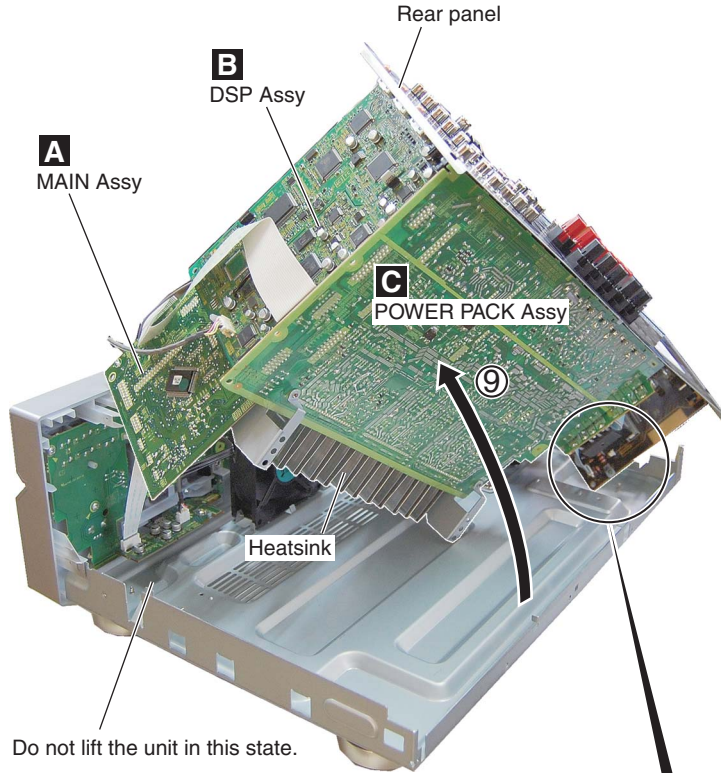
Heatsink section in work becomes hot, and be careful with it.

① Remove the bonnet by removing the six screws.

- ① Remove the two screws.
- ② Remove the one screw.
- ③ Remove the two screws.
- ④ Remove the one screw.
- ⑤ Remove the push rivet.
- ⑥ Remove the BIND Assy by removing the one screw.
- ⑦ Remove the one screw.
- ⑧ Release the binders, as required.



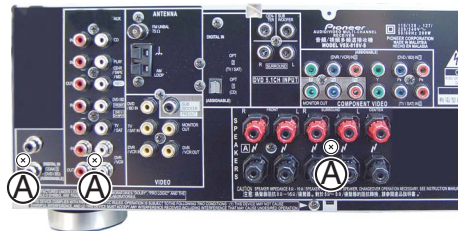
⑨ Arrange the unit as shown in the photo below.



↓
Diagnosis

Caution:

During diagnosis, be sure NOT to remove the three screws marked (A) in the above photo. There is the case that a product does not work normally when removes these screws.



Disassembly

Front Panel Section

Caution:

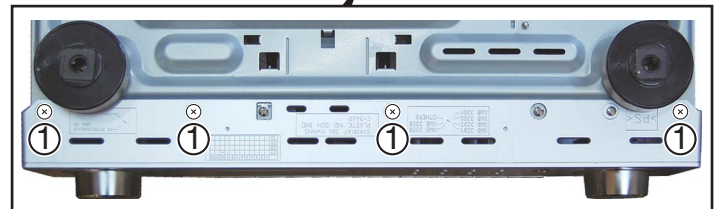
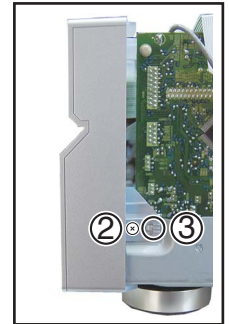
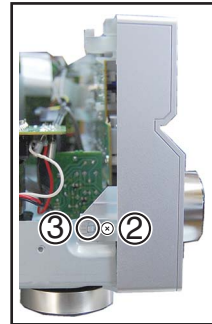
Heatsink section in work becomes hot, and be careful with it.

① Remove the bonnet by removing the six screws.

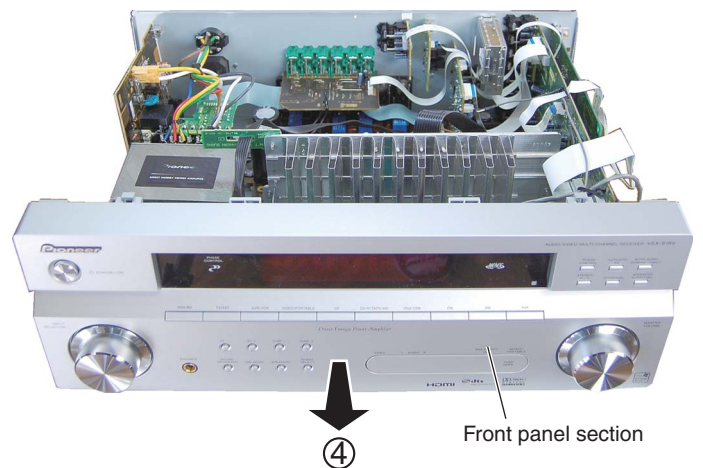
① Remove the four screws.

② Remove the two screws.

③ Unhook the two hooks.



④ Remove the front panel section.



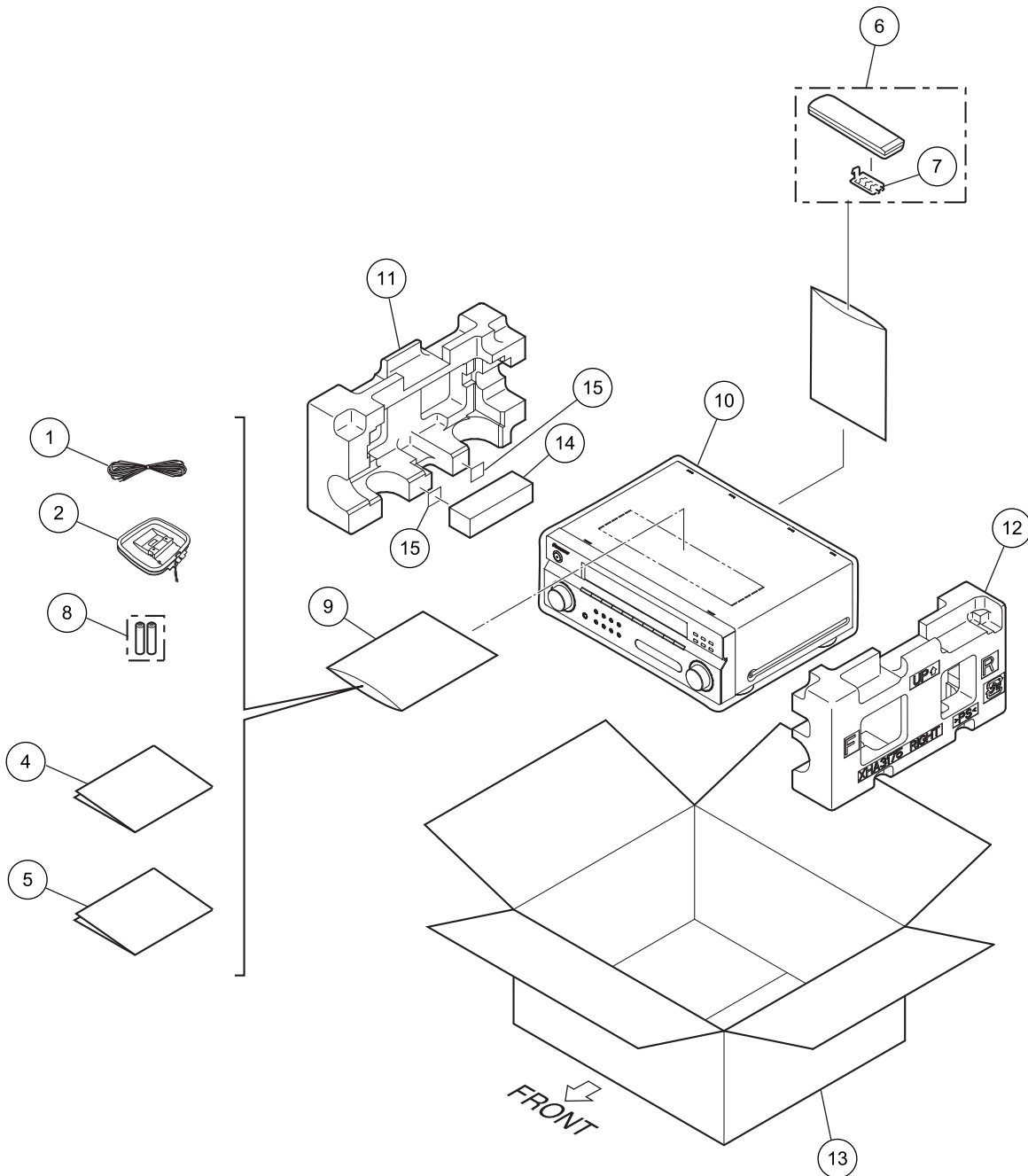
8. EACH SETTING AND ADJUSTMENT

There is no information to be shown in this chapter.

9. EXPLODED VIEWS AND PARTS LIST

- NOTES:
- Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.
 - The \triangle mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.
 - Screws adjacent to \blacktriangledown mark on product are used for disassembly.
 - For the applying amount of lubricants or glue, follow the instructions in this manual. (In the case of no amount instructions, apply as you think it appropriate.)

9.1 PACKING



(1) PACKING SECTION PARTS LIST

Mark No.	Description	Part No.
1	FM Wire Antenna	ADH7030
2	AM Loop Antenna	ATB7013
3	•••••	
4	Operating Instructions (English/French)	XRE3174
5	Operating Instructions (Spanish)	XRC3359
6	Remote Control	See Contrast table (2)
7	Battery Cover	AZN7933
NSP 8	Dry Cell Battery (AA, R6)	XEX3002
NSP 9	Polyethylene Bag (0.06 x 230 x 340)	AHG7117
10	Packing Sheet	AHG7069
11	Left Pad V5	XHA3174
12	Right Pad V5	XHA3175
13	Packing Case	See Contrast table (2)
14	Sub Pad	XHA3179
NSP 15	DS Tape	XEH3001

(2) CONTRAST TABLE

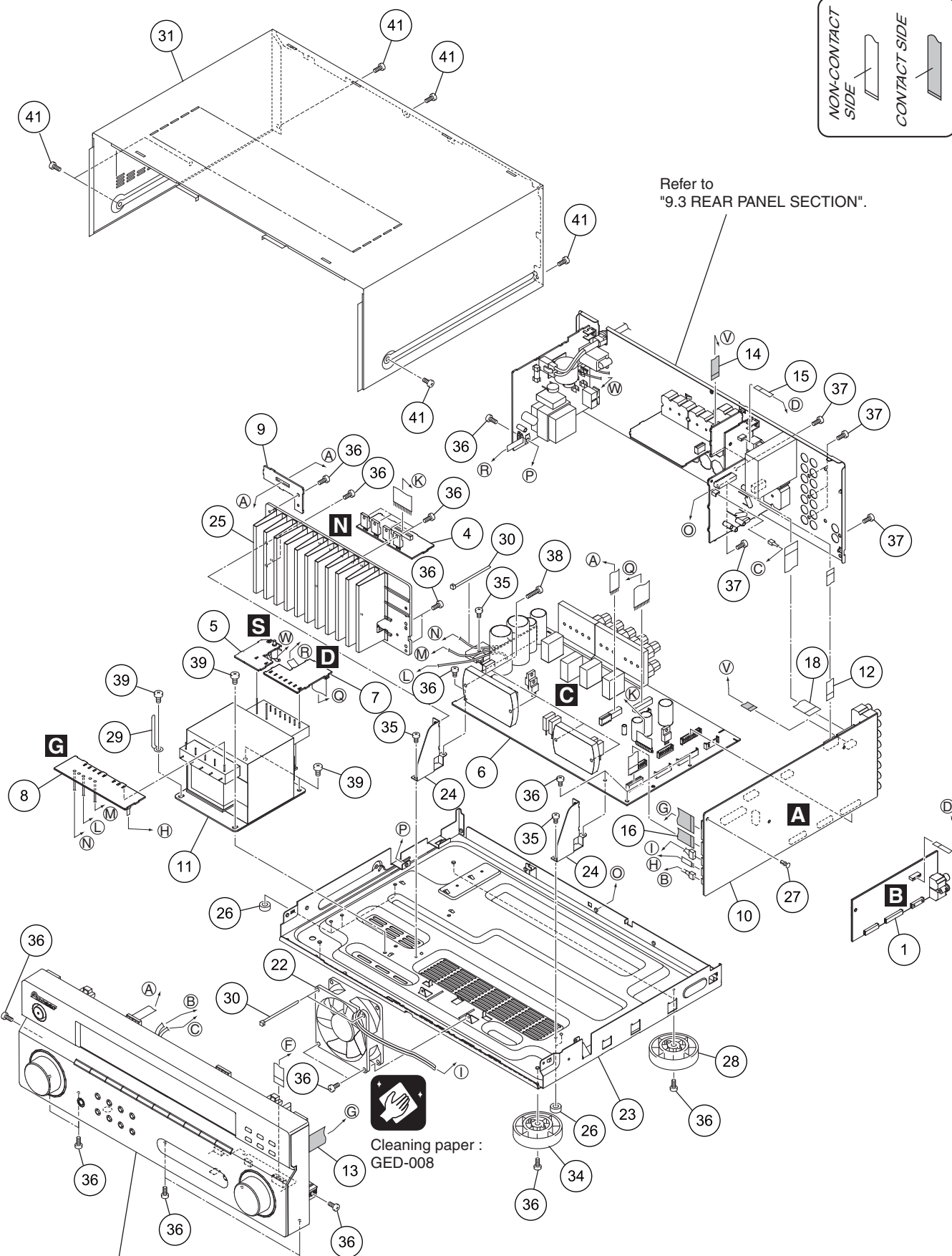
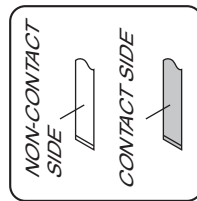
VSX-518-K/KUCXJ and VSX-518-S/KUCXJ are constructed the same except for the following:

Mark	No.	Symbol and Description	VSX-518-K /KUCXJ	VSX-518-S /KUCXJ
	6	Remote Control	XXD3155	XXD3165
	13	Packing Case	XHD3779	XHD3780

9.2 EXTERIOR SECTION

1 2 3 4

A
B
C
D
E
F



Refer to "9.4 FRONT PANEL SECTION".

Refer to "9.3 REAR PANEL SECTION".

 Cleaning paper : GED-008

1 2 3 4

(1) EXTERIOR SECTION PARTS LIST

<u>Mark No.</u>	<u>Description</u>	<u>Part No.</u>	<u>Mark No.</u>	<u>Description</u>	<u>Part No.</u>
1	DSP Assy	AWX8980	21	•••••	•••••
2	•••••		⚠ 22	DC Fan Motor	XXM3012
3	•••••		NSP 23	Chassis 918	XNA3060
4	REGULATOR Assy	XWZ4315	24	H/S Angle V3	XNG3145
5	TRANS 1 Assy	XWZ4320	NSP 25	H/Sink V5	XNH3048
6	POWER PACK Assy	XWZ4322	NSP 26	Spacer	AEB7092
7	TRANS 2 Assy	XWZ4334	27	Push Rivet	AEC7205
8	TRANS 3 Assy	XWZ4337	28	Insulator	AMR7198
9	BIND Assy	XWZ4344	29	Cord Clamper	RNH1005
10	MAIN Assy	XWK3355	NSP 30	Binder (BK-1)	ZCA-BK1
⚠ 11	Power Transformer (T1501)	XTS3112	31	Bonnet	See Contrast table (2)
12	11P Flexible Cable (J1911)	XDD3189	32	•••••	
13	17P Flexible Cable (J1905)	XDD3200	33	•••••	
14	7P Flexible Cable (J1919)	XDD3235	34	Insulator	See Contrast table (2)
15	5P Flexible Cable (J1912)	XDD3248	35	Screw	BBZ30P060FCC
16	15P Flexible Cable (J1915)	XDD3251	36	Screw	BBZ30P080FNI
17	•••••		37	Screw	BBZ30P080FTB
18	13P Flexible Cable (J1907)	XDD3259	38	Screw	BBZ30P140FTC
19	•••••		39	Screw	BBZ40P080FNI
20	•••••		40	•••••	
			41	Screw	See Contrast table (2)

(2) CONTRAST TABLE

VSX-518-K/KUCXJ and VSX-518-S/KUCXJ are constructed the same except for the following:

Mark	No.	Symbol and Description	VSX-518-K /KUCXJ	VSX-518-S /KUCXJ
	31	Bonnet	XZN3196	XZN3197
	34	Insulator	AMR7198	PNW2766
	41	Screw	BBZ30P080FTB	BBZ30P080FNI

9.3 REAR PANEL SECTION

A

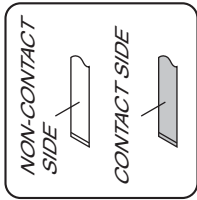
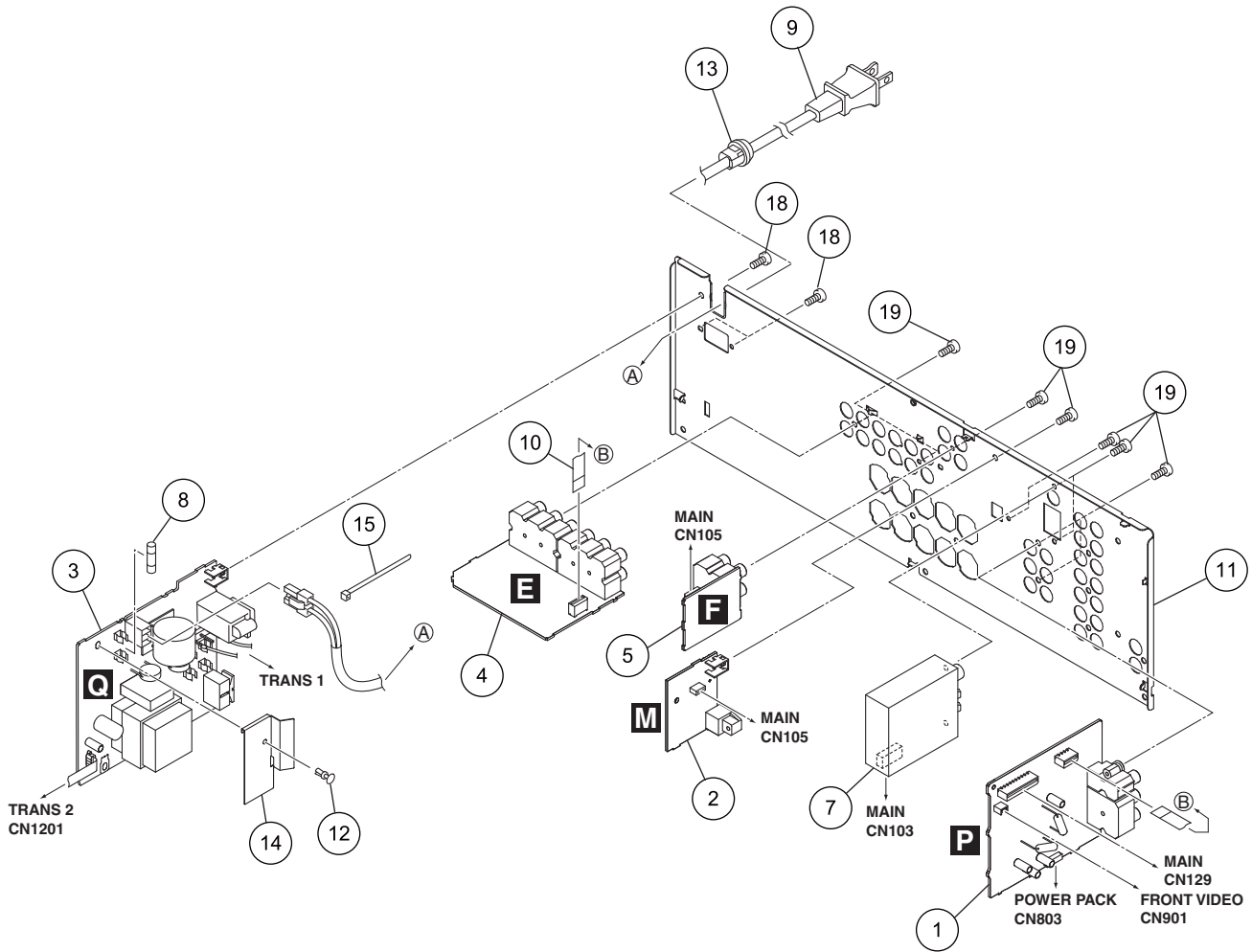
B

C

D

E

F



(1) REAR PANEL SECTION PARTS LIST

Mark No.	Description	Part No.
1	VIDEO Assy	XWZ4290
2	DIGITAL INPUT Assy	XWZ4298
3	PRIMARY Assy	XWZ4301
4	COMPONENT VIDEO Assy	XWZ4339
5	5.1CH INPUT Assy	XWZ4341
6	•••••	
7	FM/AM TUNER Unit	AXX7210
⚠ 8	Fuse (FU1: 8A)	REK1153
⚠ 9	AC Power Cord	ADG7024
10	7P Flexible Cable (J1913)	XDD3254
11	R Panel	See Contrast table (2)
12	Push Rivet	AEC7205
13	Cord Stopper	CM-22C
14	PRI Barrier	XEC3087
NSP 15	Binder (BK-1)	ZCA-BK1
16	•••••	
17	•••••	
18	Screw	BBZ30P080FNI
19	Screw	BBZ30P080FTB

(2) CONTRAST TABLE

VSX-518-K/KUCXJ and VSX-518-S/KUCXJ are constructed the same except for the following:

Mark	No.	Symbol and Description	VSX-518-K /KUCXJ	VSX-518-S /KUCXJ
	11	R Panel	XNC3554	XNC3555

9.4 FRONT PANEL SECTION

A

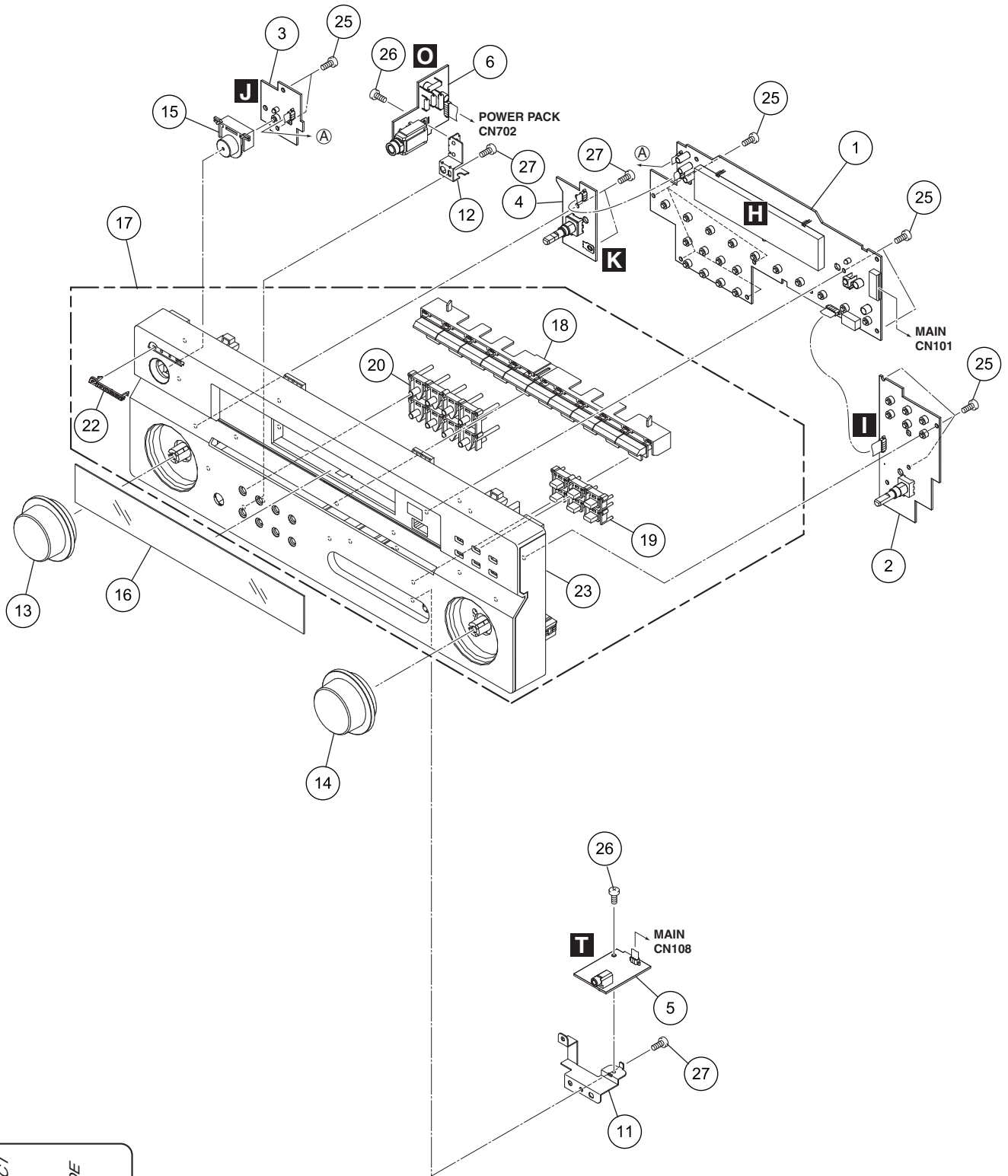
B

C

D

E

F



(1) FRONT PANEL SECTION PARTS LIST

<u>Mark No.</u>	<u>Description</u>	<u>Part No.</u>	<u>Mark No.</u>	<u>Description</u>	<u>Part No.</u>
1	FRONT DISPLAY Assy	XWZ4283	16	D Panel PC	XAK3595
2	ROTARY ENCODER Assy	XWZ4286	NSP 17	F Panel Assy	See Contrast table (2)
3	POWER KEY Assy	XWZ4287	18	FUNC BTN	See Contrast table (2)
4	JOG Assy	XWZ4289	19	SUB BTN	See Contrast table (2)
5	FRONT MINI JACK Assy	XWZ4296	20	TUNER BTN	See Contrast table (2)
6	HEADPHONE Assy	XWZ4321	21	•••••	
7	•••••		22	Pioneer Name Plate	See Contrast table (2)
8	•••••		23	FRT Panel	See Contrast table (2)
9	•••••		24	•••••	
10	•••••		25	Screw	BBZ30P080FTC
11	Earth Plate FR V3	XNG3144	26	Screw	BBZ30P080FNI
NSP 12	HP GND Plate	XNG3178	27	Screw	BPZ30P080FTC
13	VOL Knob V4	See Contrast table (2)			
14	VOL Knob V5	See Contrast table (2)			
15	STANDBY BTN	See Contrast table (2)			

(2) CONTRAST TABLE

VSX-518-K/KUCXJ and VSX-518-S/KUCXJ are constructed the same except for the following:

<u>Mark</u>	<u>No.</u>	<u>Symbol and Description</u>	<u>VSX-518-K /KUCXJ</u>	<u>VSX-518-S /KUCXJ</u>
NSP	13	VOL Knob V4	XAB3053	XAB3057
	14	VOL Knob V5	XAB3058	XAB3060
	15	STANDBY BTN	XAD3202	XAD3203
	17	F Panel Assy	XXG3359	XXG3360
	18	FUNC BTN	XAD3257	XAD3258
	19	SUB BTN	XAD3259	XAD3260
	20	TUNER BTN	XAD3261	XAD3262
	22	Pioneer Name Plate	XAM3006	VAM1129
	23	FRT Panel	XMB3308	XMB3309

10. SCHEMATIC DIAGRAM

10.1 MAIN ASSY (1/3)

A

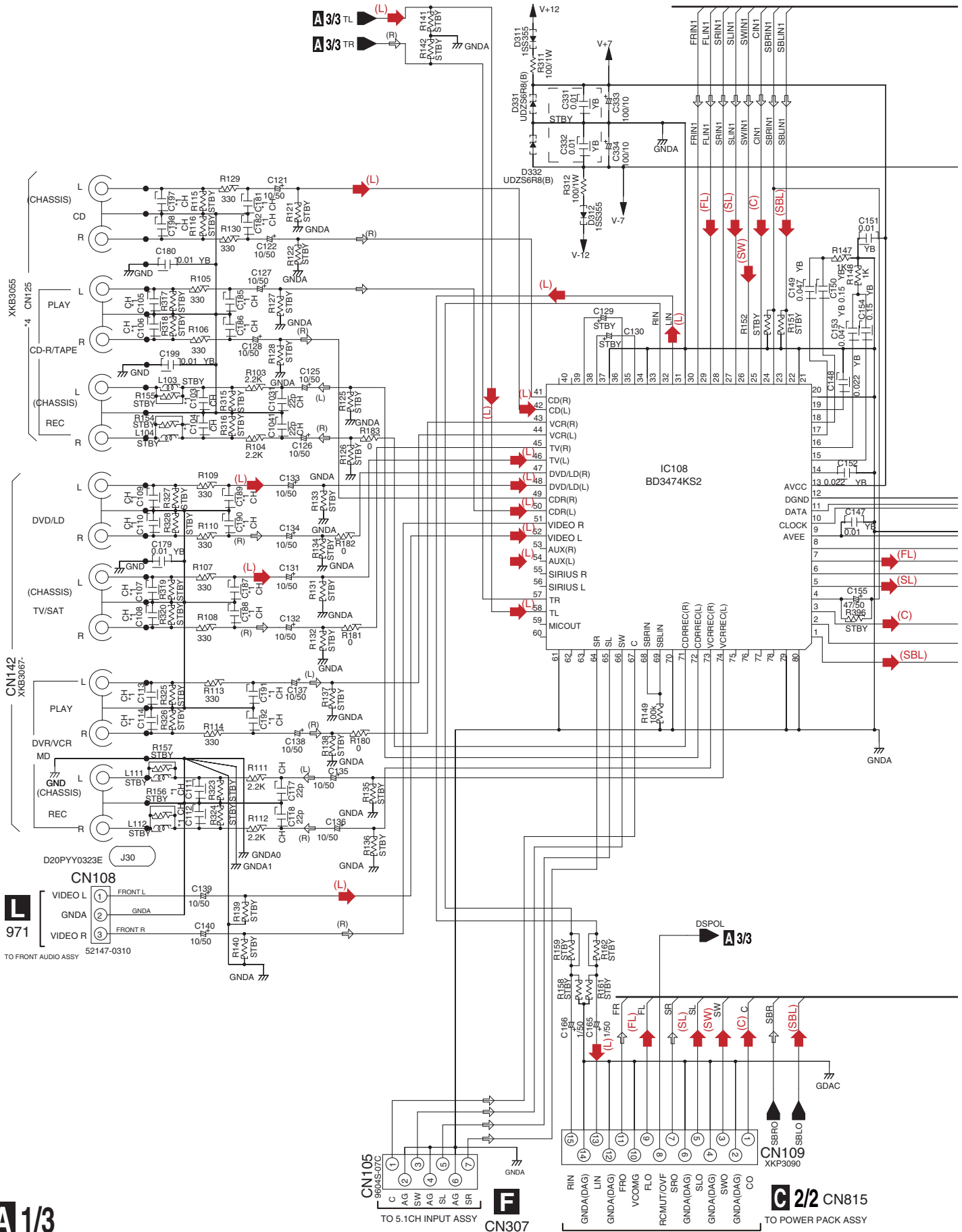
B

C

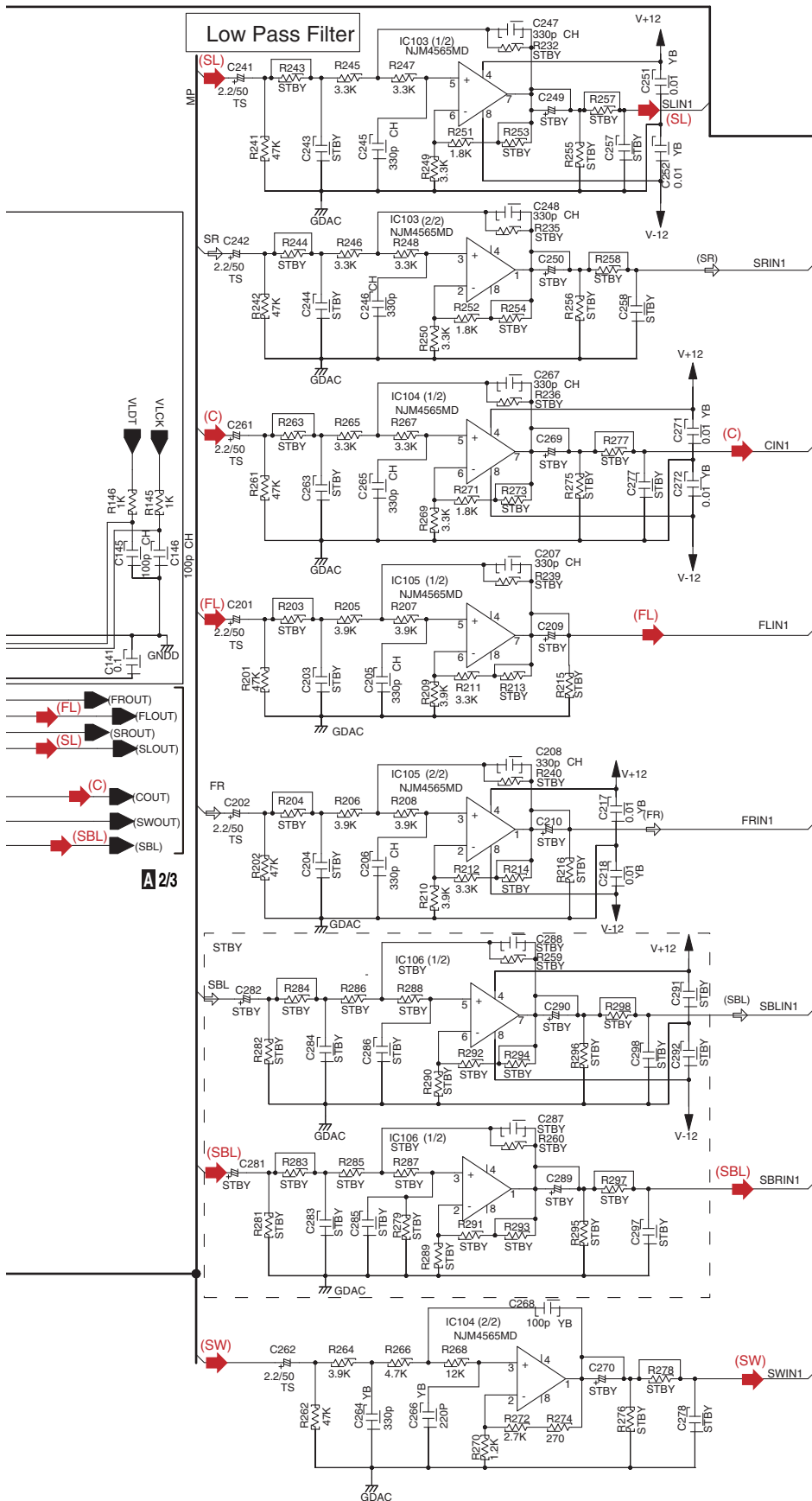
D

E

F

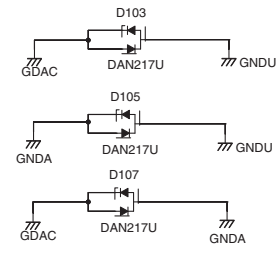
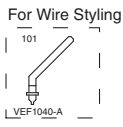


A 1/3



A 1/3 MAIN ASSY (XWK3355)

NOTES: NO INDICATED PARTS IS...
 RESISTOR: RS1/16S***J-T, RS1/10S***J-T
 CHEMICAL CAPACITOR: CEAT***M**-T,-TS
 CERAMIC CAPACITOR: CCSRCH***50-T
 CKSRYB***50-T
 (SQ):CKSQ.CCSQ
 () : AUDIO SIGNAL FLOW



*1	Not used	*4	VSX-518
		CN125	XKB3055

MAIN ASSY(1/3)

- (L) : Audio Signal Route (L ch)
- (M) : Audio Signal Route (Mic ch)
- (FL) : Audio Signal Route (Front L ch)
- (SL) : Audio Signal Route (Surround L ch)
- (C) : Audio Signal Route (Center ch)
- (SBL) : Audio Signal Route (Surround Back L ch)
- (SW) : Audio Signal Route (SubWoofer ch)

10.2 MAIN ASSY (2/3)

1

2

3

4

A

B

C

D

E

F

PRE-AMP

- (FLOUT) R303 (FL)
- (FROUT) R304 (FR)
- (SLOUT) R305 (SL)
- (SROUT) R306 (SR)
- (COUT) R307 (C)
- (SWOUT) R308 (SW)
- (SBLOUT) (SBL)
- (SBR) (SBR)

A 3/3 SWPR (SW)

A 1/3

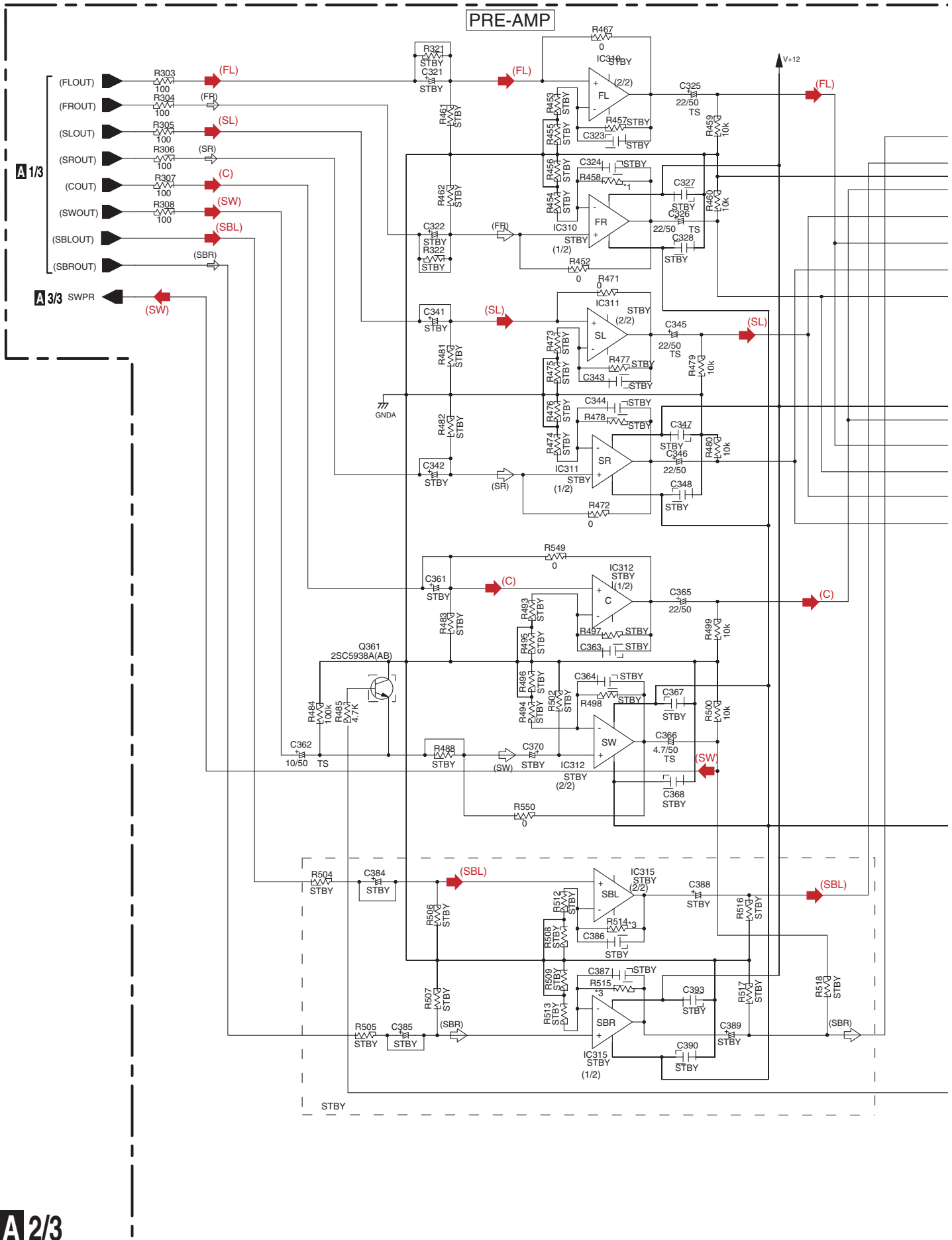
A 2/3

1

2

3

4



A 2/3 MAIN ASSY (XWK3355)

TO MAIN ASSY
(TO MAIN ASSY 3/3)

A 3/3

CONTROL

(SBL)

(SB)

(C)

(SL)

(FL)

(SR)

(FR)

AMUTE

DCDT

XPROTECT

OLDT

F-DRIVE

A 3/3 6_OHM

C392 1000p YB

GNDU

C320

STBY

GNDCH

- 17 C
- 16 GNDA
- 15 SL
- 14 GNDA
- 13 FL
- 12 GNDA
- 11 SR
- 10 GNDA
- 9 FR
- 8 AMUTE
- 7 F-DRIVE
- 6 DCDT
- 5 XPROTECT
- 4 OLDT
- 3 6 OHM
- 2 NECK
- 1 GNDU

C 1/2
CN704

TO POWER PACK ASSY

CN110
XKP3059

CN252
B3B-EH

FAN+
FAN-
FAN STOP

FAN
TO FAN
MOTOR

CN251
52147-0310

G 891

TO TRANS3 ASSY

J22
XDX3064

NOTE

1. RESISTORS
Unit: k- Ω , M- Ω or Ω unless otherwise noted.
Rated power: 1/16W unless otherwise noted.
Tolerance: (J) \pm 5% unless otherwise noted.

2. CAPACITORS
Unit: p-pF or μ F unless otherwise noted.
Ratings: Capacity(μ F)/Voltage(V) unless otherwise noted.
Rated Voltage: 50V expect for electrolytic capacitors.
JA:CE:JA

➔ : AUDIO SIGNAL FLOW

MAIN ASSY(2/3)

FAN CONTROL

*5	
D253	UDZS27(B)
D255	-
R280	0
Q255	RT1N241M
R463	-
R464	0

- (FL) : Audio Signal Route (Front L ch)
- (SL) : Audio Signal Route (Surround L ch)
- (C) : Audio Signal Route (Center ch)
- (SBL) : Audio Signal Route (Surround Back L ch)
- (SW) : Audio Signal Route (SubWoofer ch)

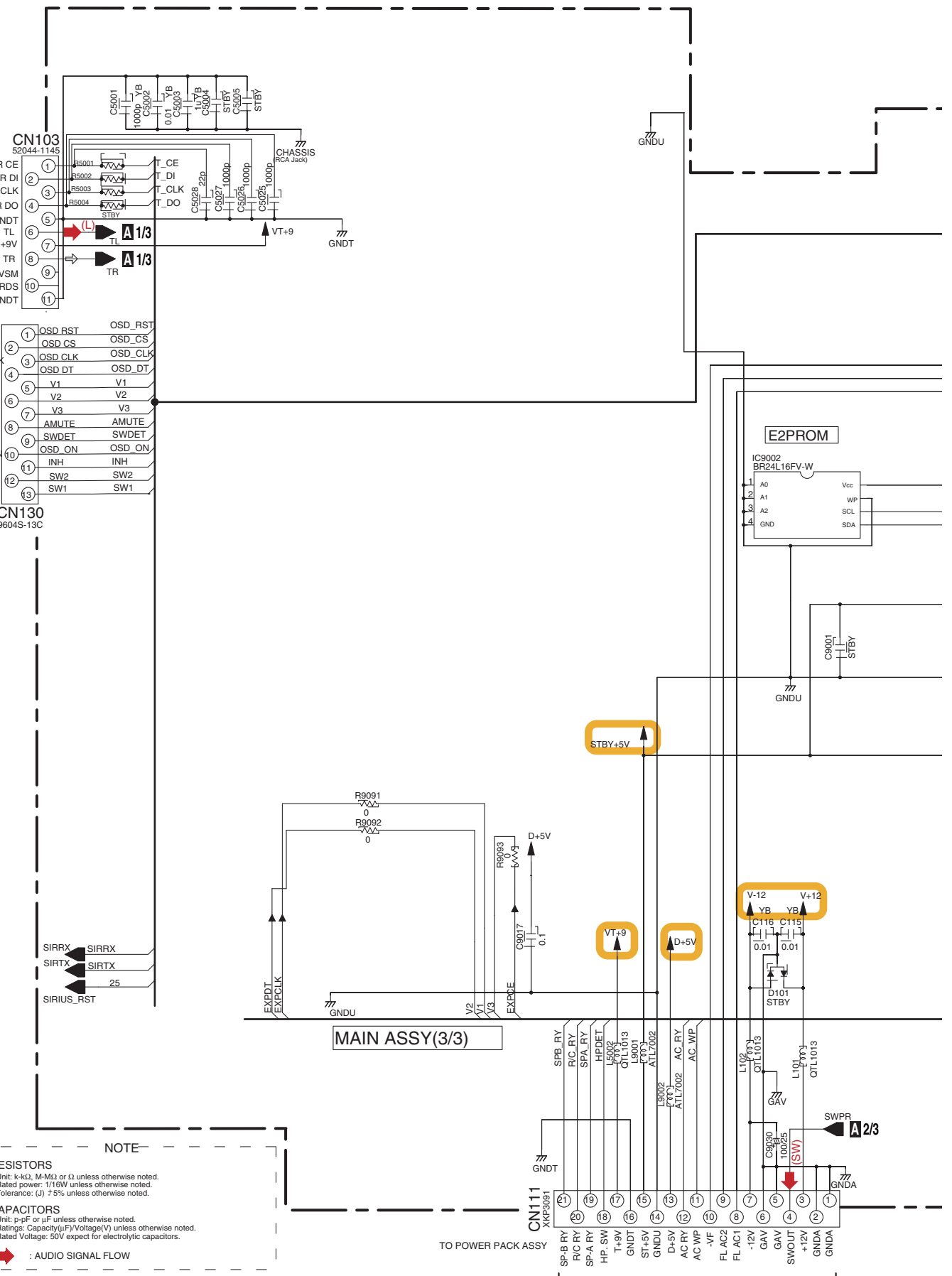
VSX-518-K

A 2/3

10.3 MAIN ASSY (3/3)

A
B
C
D
E
F

P CN304 TO FM/AM TUNER UNIT
TO VIDEO ASSY



NOTE

1. RESISTORS
Unit: k- Ω , M- Ω or Ω unless otherwise noted.
Rated power: 1/16W unless otherwise noted.
Tolerance: (J) $\pm 5\%$ unless otherwise noted.

2. CAPACITORS
Unit: p-pF or μ F unless otherwise noted.
Ratings: Capacity(μ F)/Voltage(V) unless otherwise noted.
Rated Voltage: 50V except for electrolytic capacitors.

➔ : AUDIO SIGNAL FLOW

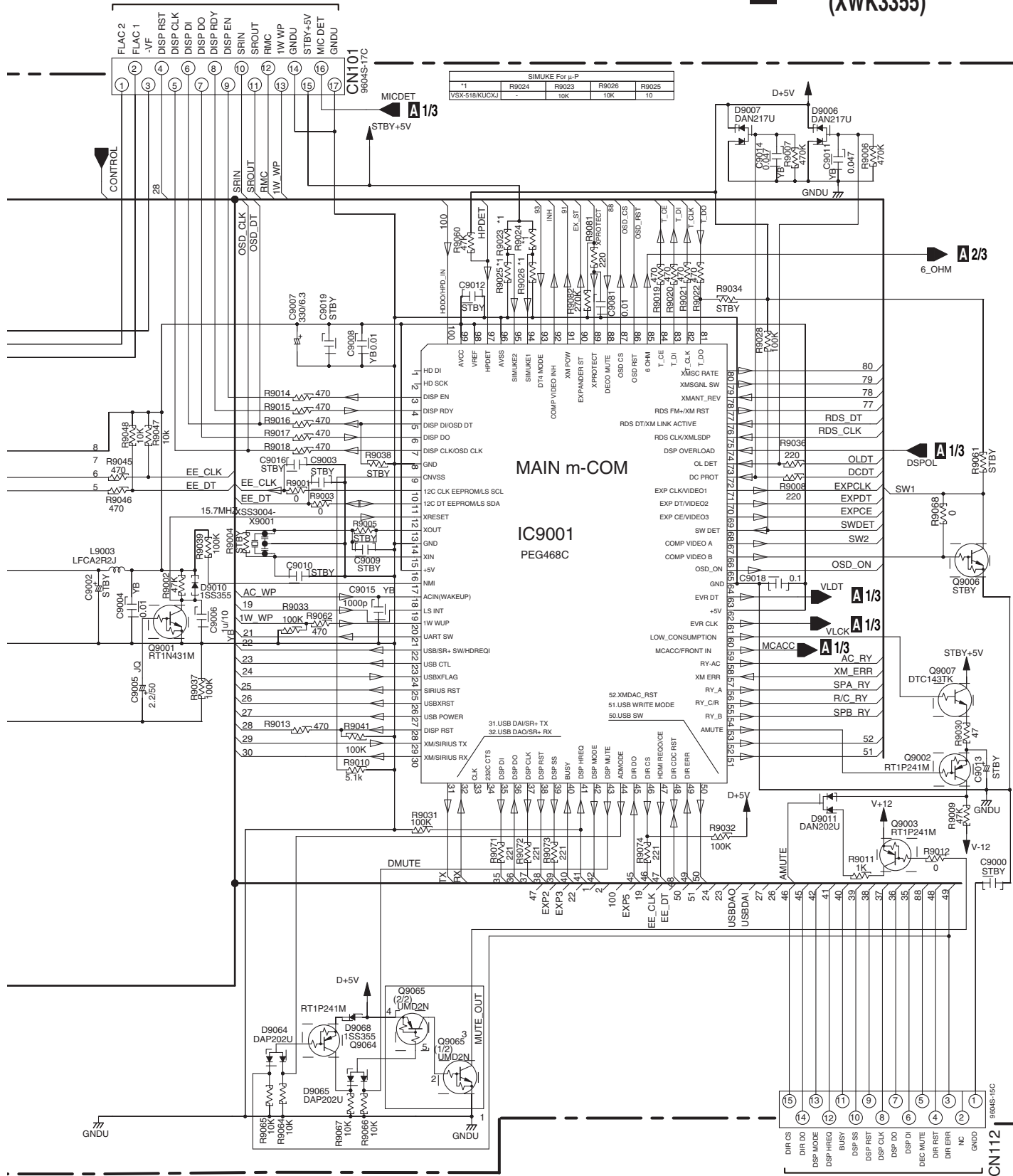
A 3/3

C 2/2 CN816

H CN401

TO FRONT DISPLAY ASSY

A 3/3 MAIN ASSY (XWK3355)



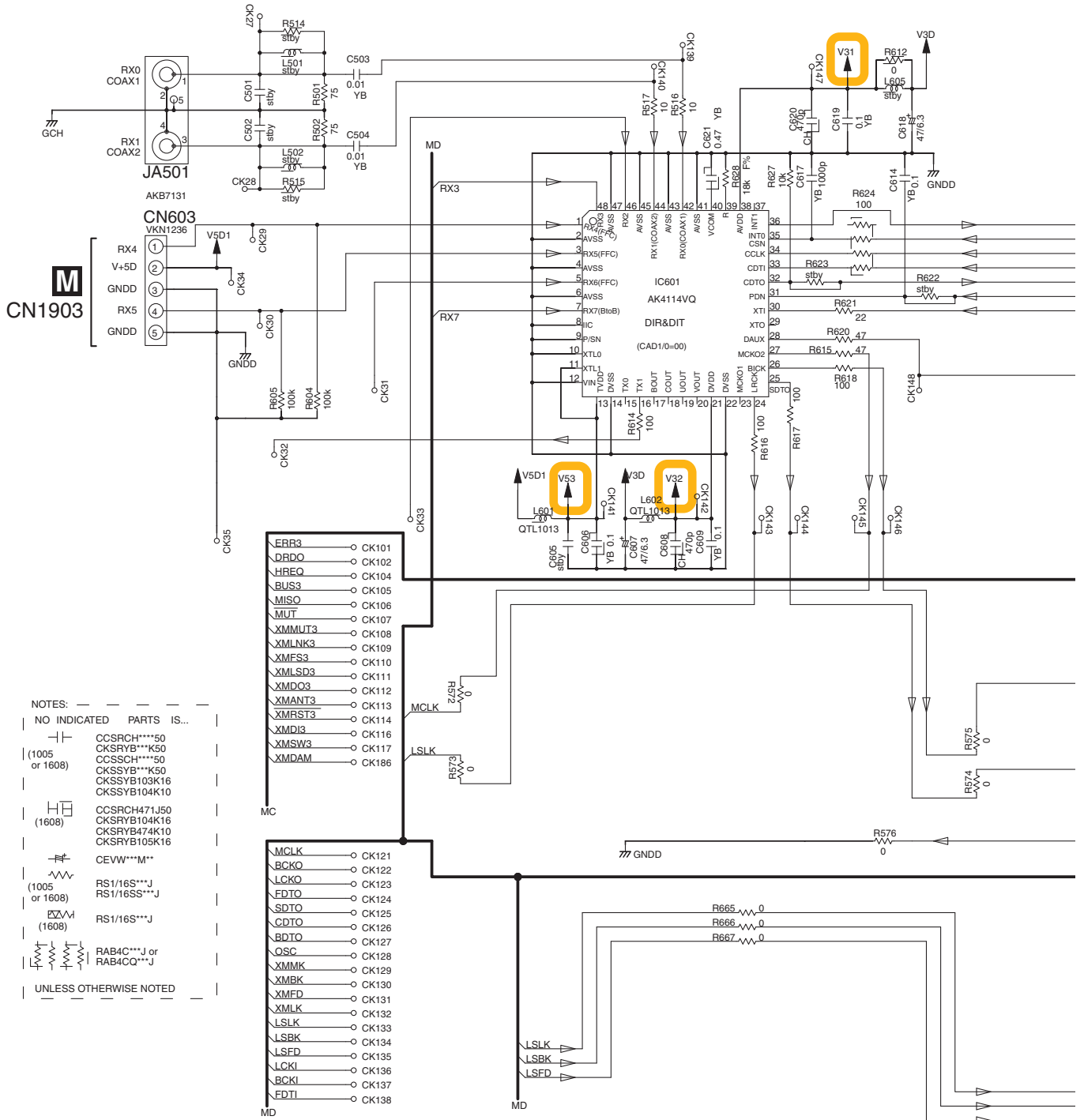
(L) : Audio Signal Route (L ch)
 (SW) : Audio Signal Route (SubWoofer ch)

VSX-518-K

A 3/3

10.4 DSP ASSY (1/2)

B 1/2 DSP ASSY (AWX8980)



NOTES: ---

NO INDICATED PARTS IS...

(1005 or 1608) CCSRCH***50
CKSRBYB***K50
CCSSCH***50
CKSSYB***K50
CKSSYB103K16
CKSSYB104K10

(1608) CCSRCH471J50
CKSRBYB104K16
CKSRBYB474K10
CKSRBYB105K16

CEVW***M**

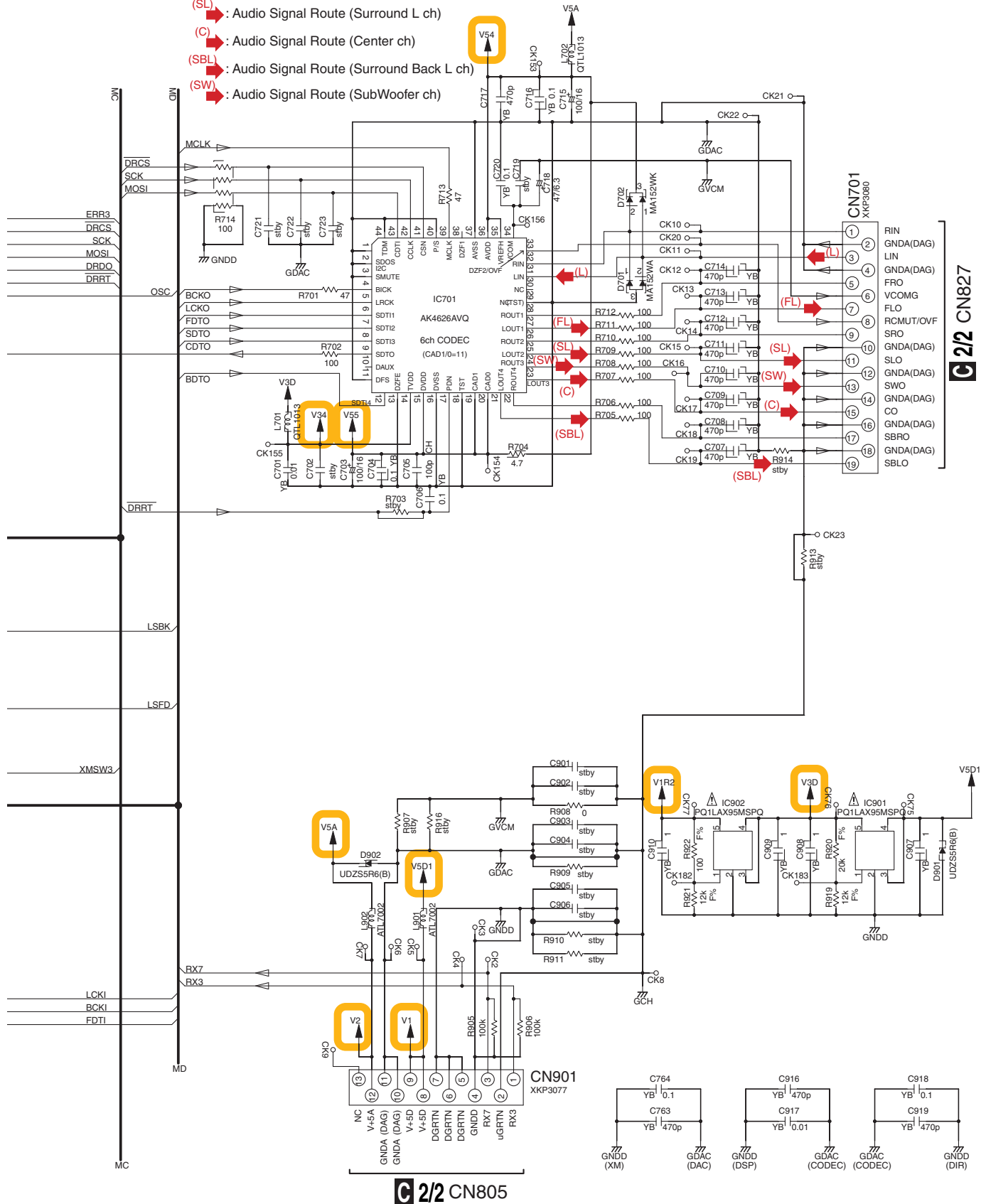
(1005 or 1608) RS1/16S***J
RS1/16SS***J

(1608) RS1/16S***J

RAB4C***J or RAB4CQ***J

UNLESS OTHERWISE NOTED

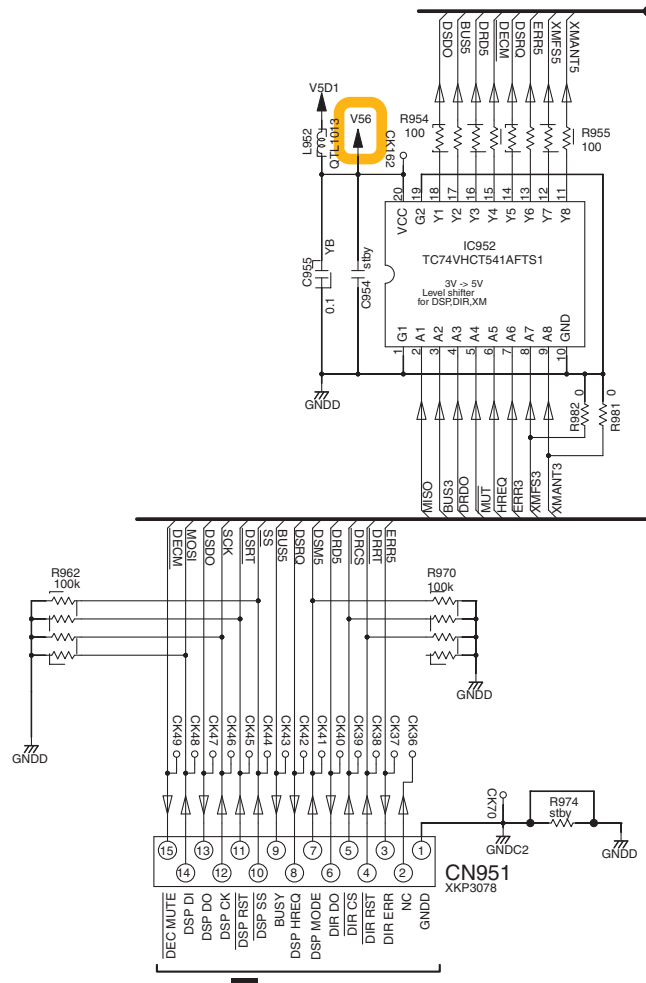
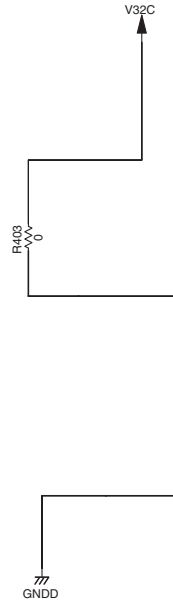
- (L) : Audio Signal Route (L ch)
- (FL) : Audio Signal Route (Front L ch)
- (SL) : Audio Signal Route (Surround L ch)
- (C) : Audio Signal Route (Center ch)
- (SBL) : Audio Signal Route (Surround Back L ch)
- (SW) : Audio Signal Route (SubWoofer ch)



C 2/2 CN805

10.5 DSP ASSY (2/2)

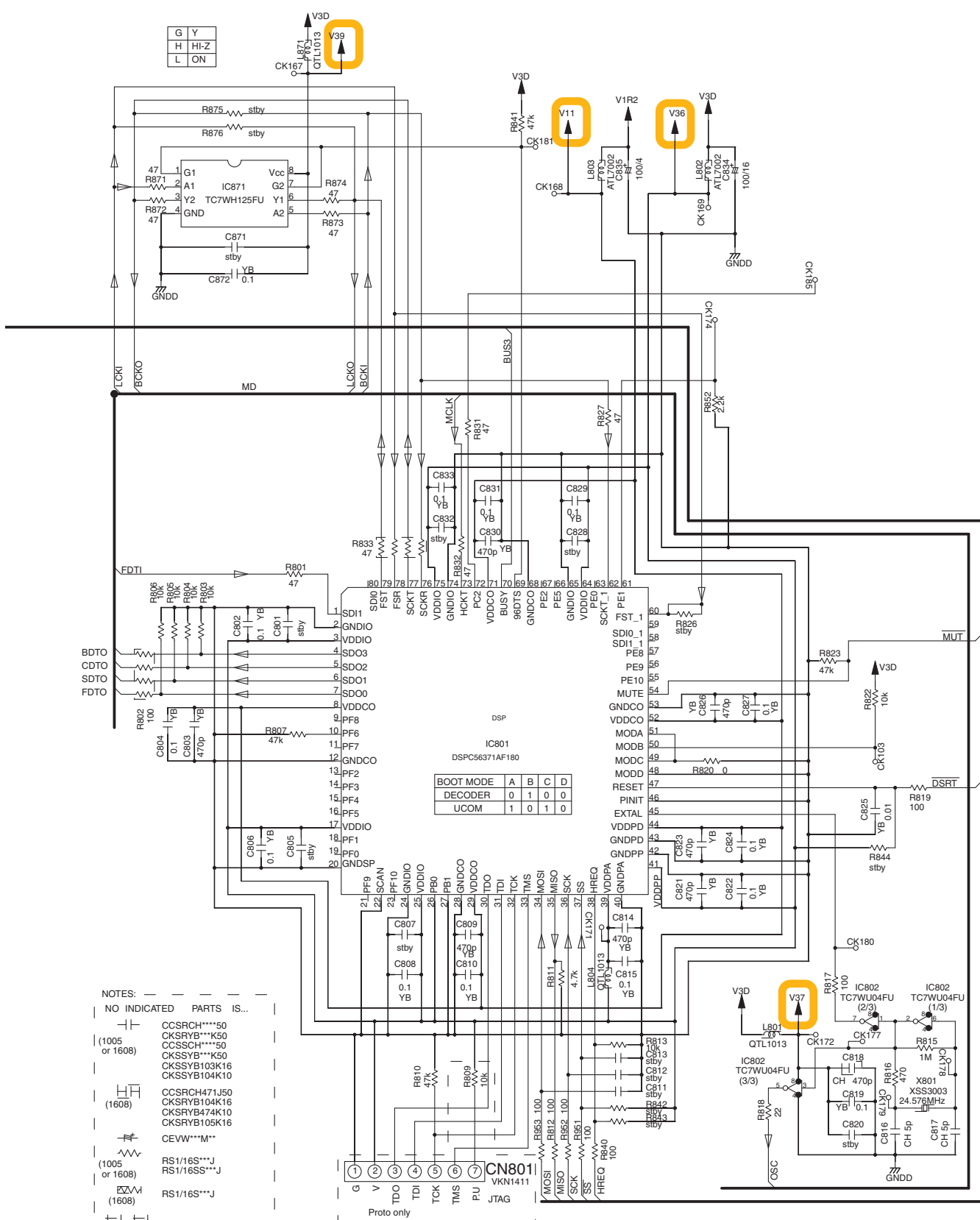
B 2/2 DSP ASSY (AWX8980)



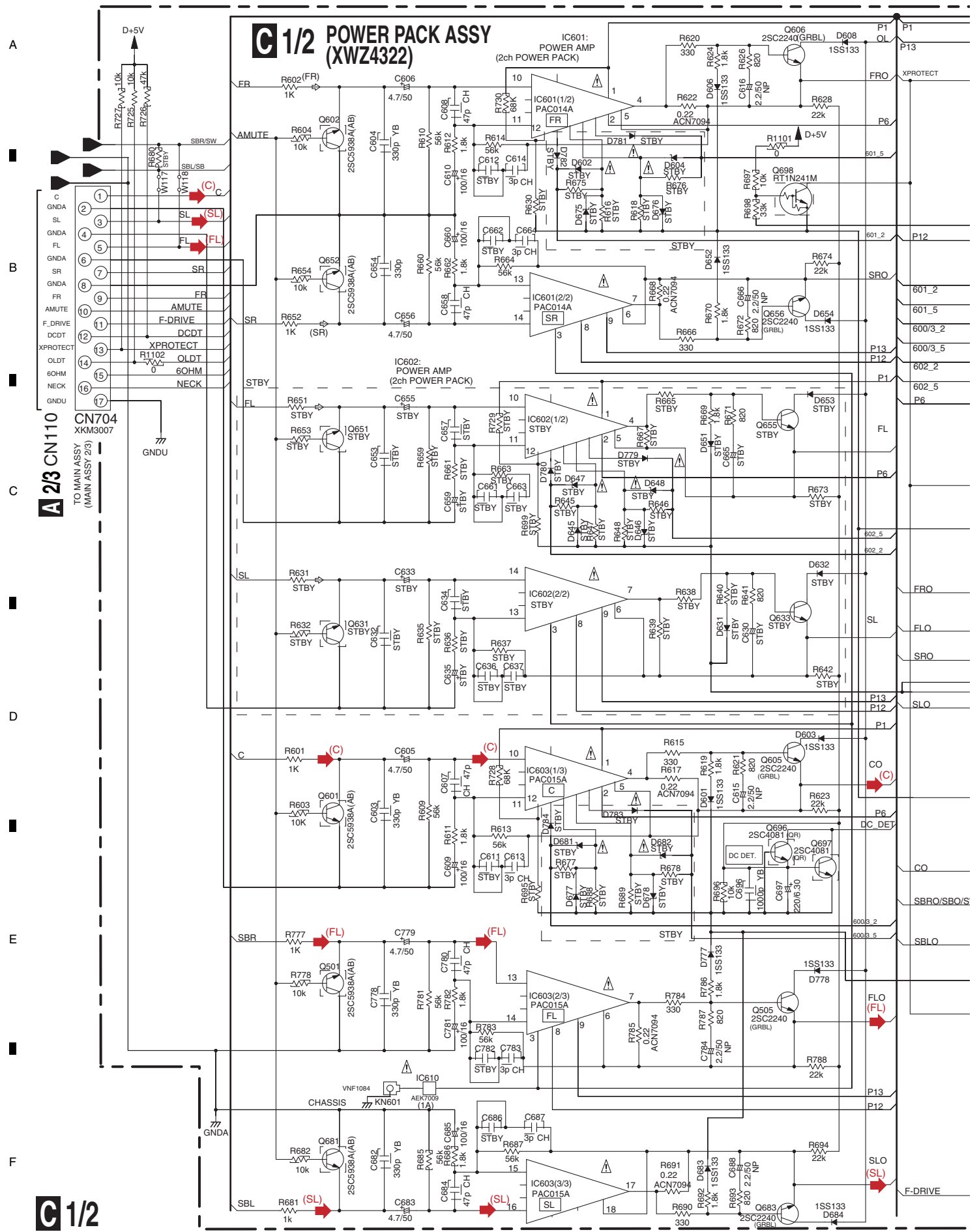
C 2/2 CN807

B 2/2

A
B
C
D
E
F

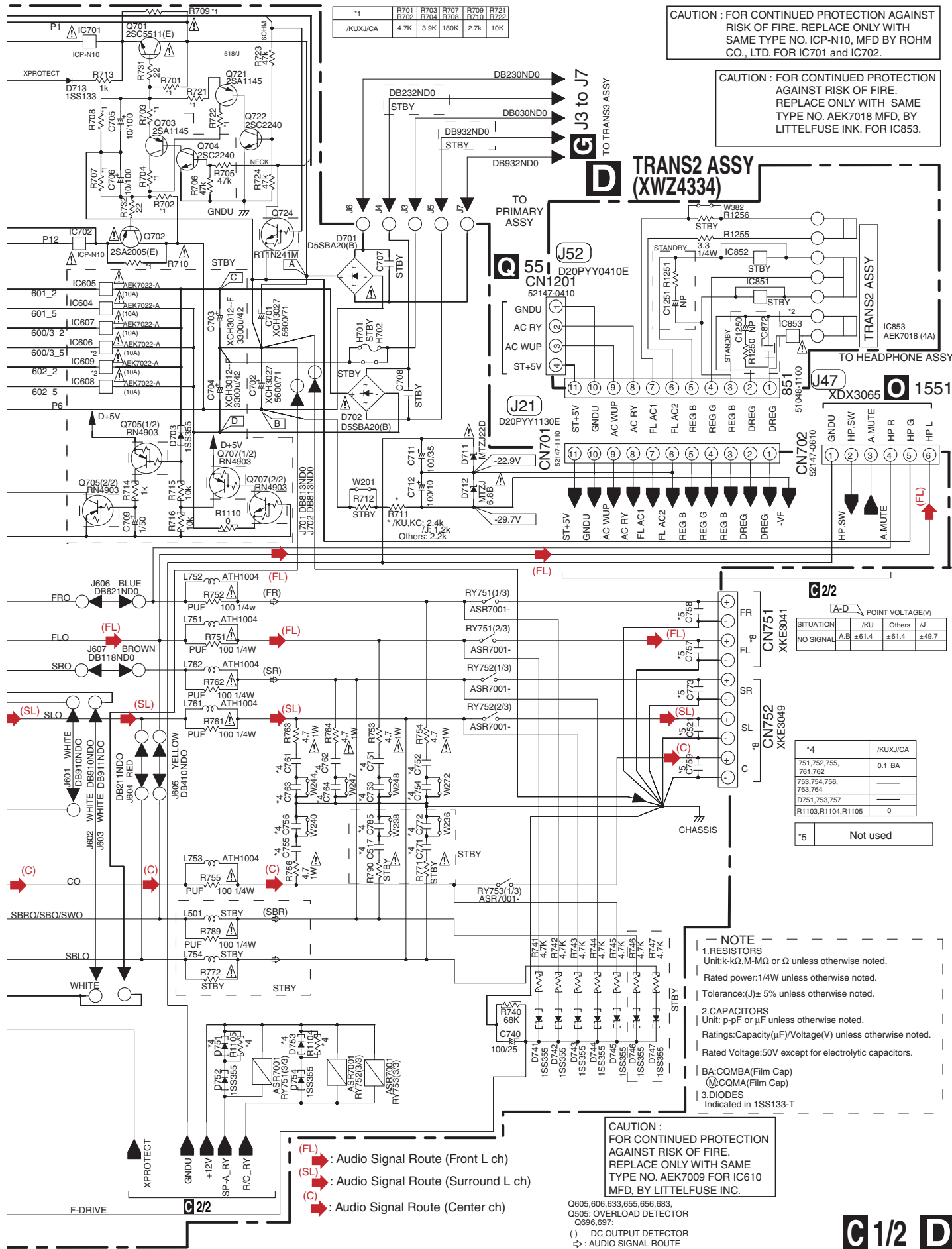


10.6 POWER PACK (1/2) and TRANS2 ASSY



A 23 CN110
TO MAIN ASSY (MAIN ASSY 2/3)
CN704
XKM3007

C 1/2



*1	R701 /KUX/JCA	R703 4.7K	R707 3.9K	R709 180K	R721 2.7k	R722 10K
----	------------------	--------------	--------------	--------------	--------------	-------------

CAUTION : FOR CONTINUED PROTECTION AGAINST RISK OF FIRE. REPLACE ONLY WITH SAME TYPE NO. ICP-N10, MFD BY ROHM CO., LTD. FOR IC701 and IC702.

CAUTION : FOR CONTINUED PROTECTION AGAINST RISK OF FIRE. REPLACE ONLY WITH SAME TYPE NO. AEK7018 MFD, BY LITTELFUSE INK. FOR IC853.

D TRANS2 ASSY (XWZ4334)

A-D POINT VOLTAGE(V)			
SITUATION	/KU	Others	/J
NO SIGNAL	A,B ±61.4	±61.4	±49.7

*4	/KUX/JCA
751,752,755, 761,762	0.1 BA
753,754,756, 763,764	
751,753,757	
R1103,R1104,R1105	0

*5 Not used

- NOTE**
- RESISTORS
Unit:k-KΩ,M-MΩ or Ω unless otherwise noted.
Rated power:1/4W unless otherwise noted.
Tolerance:(J)± 5% unless otherwise noted.
 - CAPACITORS
Unit: p-pF or μF unless otherwise noted.
Ratings:Capacity(μF)/Voltage(V) unless otherwise noted.
Rated Voltage:50V except for electrolytic capacitors.
 - DIODES
Indicated in 1SS133-T

CAUTION : FOR CONTINUED PROTECTION AGAINST RISK OF FIRE. REPLACE ONLY WITH SAME TYPE NO. AEK7009 FOR IC610 MFD, BY LITTELFUSE INC.

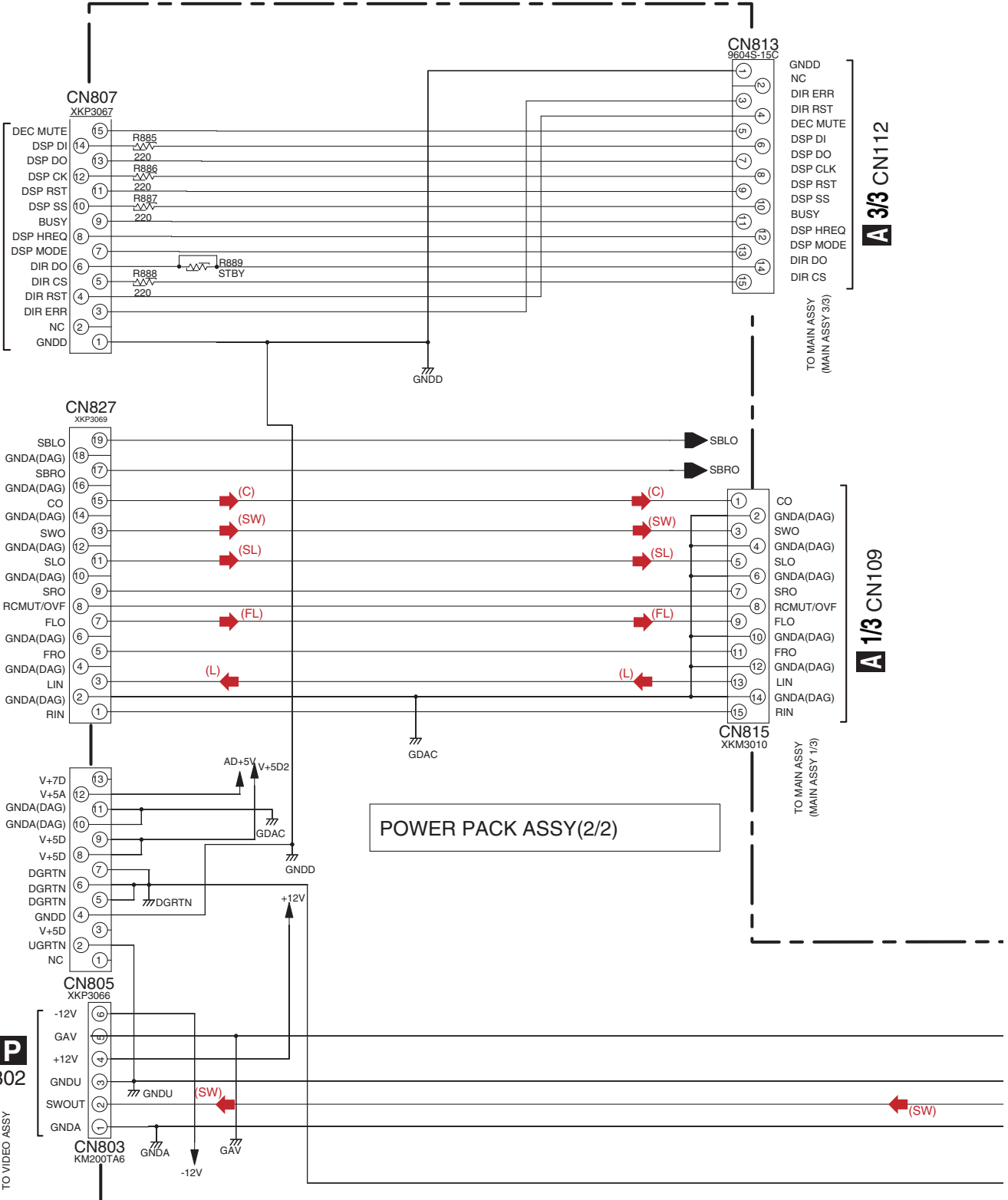
- (FL) : Audio Signal Route (Front L ch)
- (SL) : Audio Signal Route (Surround L ch)
- (C) : Audio Signal Route (Center ch)

Q605,606,633,655,656,683,
Q505: OVERLOAD DETECTOR
Q696,697:
() DC OUTPUT DETECTOR
◇ : AUDIO SIGNAL ROUTE

10.7 POWER PACK ASSY (2/2)

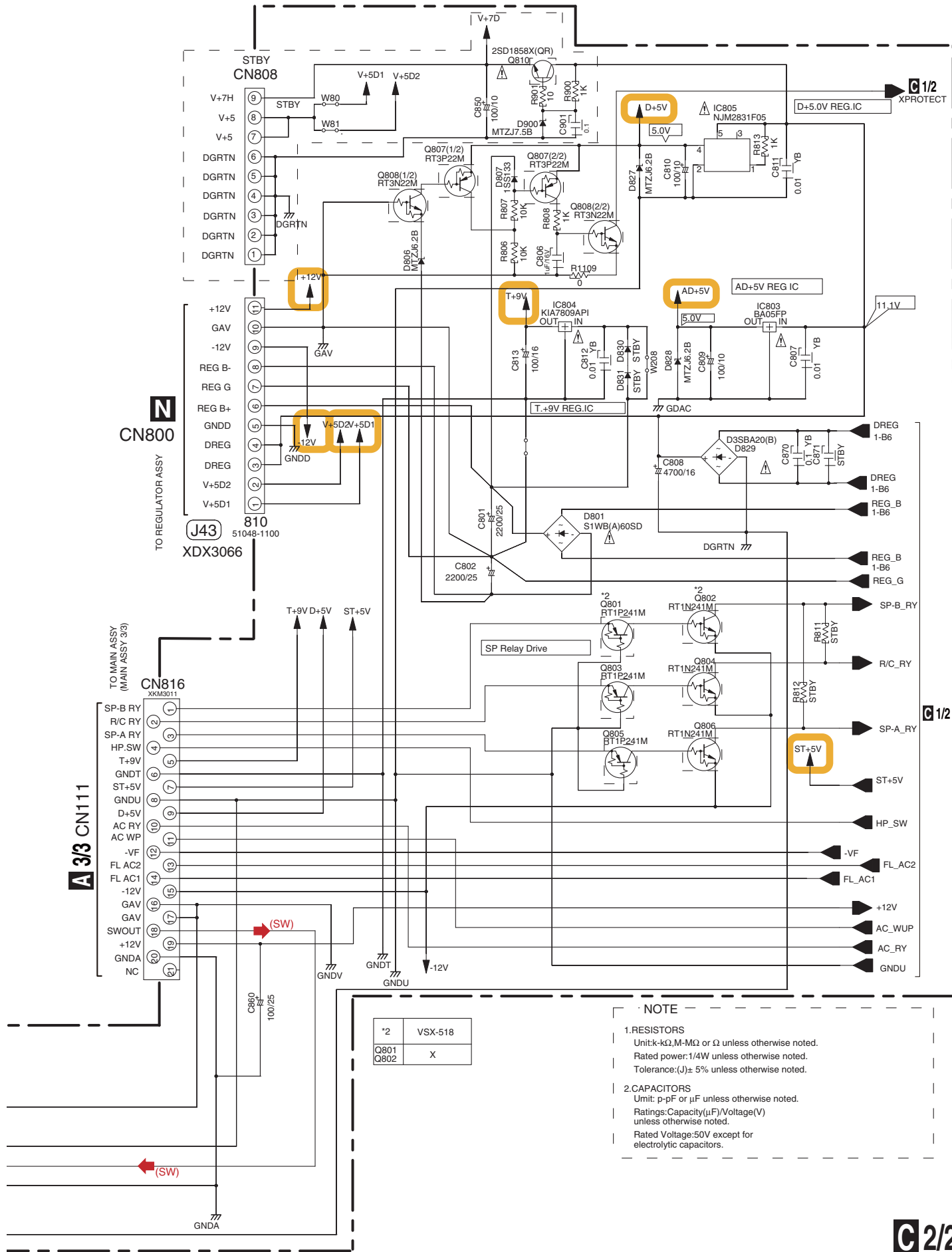
- (L) : Audio Signal Route (L ch)
- (FL) : Audio Signal Route (Front L ch)
- (SL) : Audio Signal Route (Surround L ch)
- (C) : Audio Signal Route (Center ch)
- (SW) : Audio Signal Route (SubWoofer ch)

C 2/2 POWER PACK ASSY (XWZ4322)



POWER PACK ASSY(2/2)

C 2/2



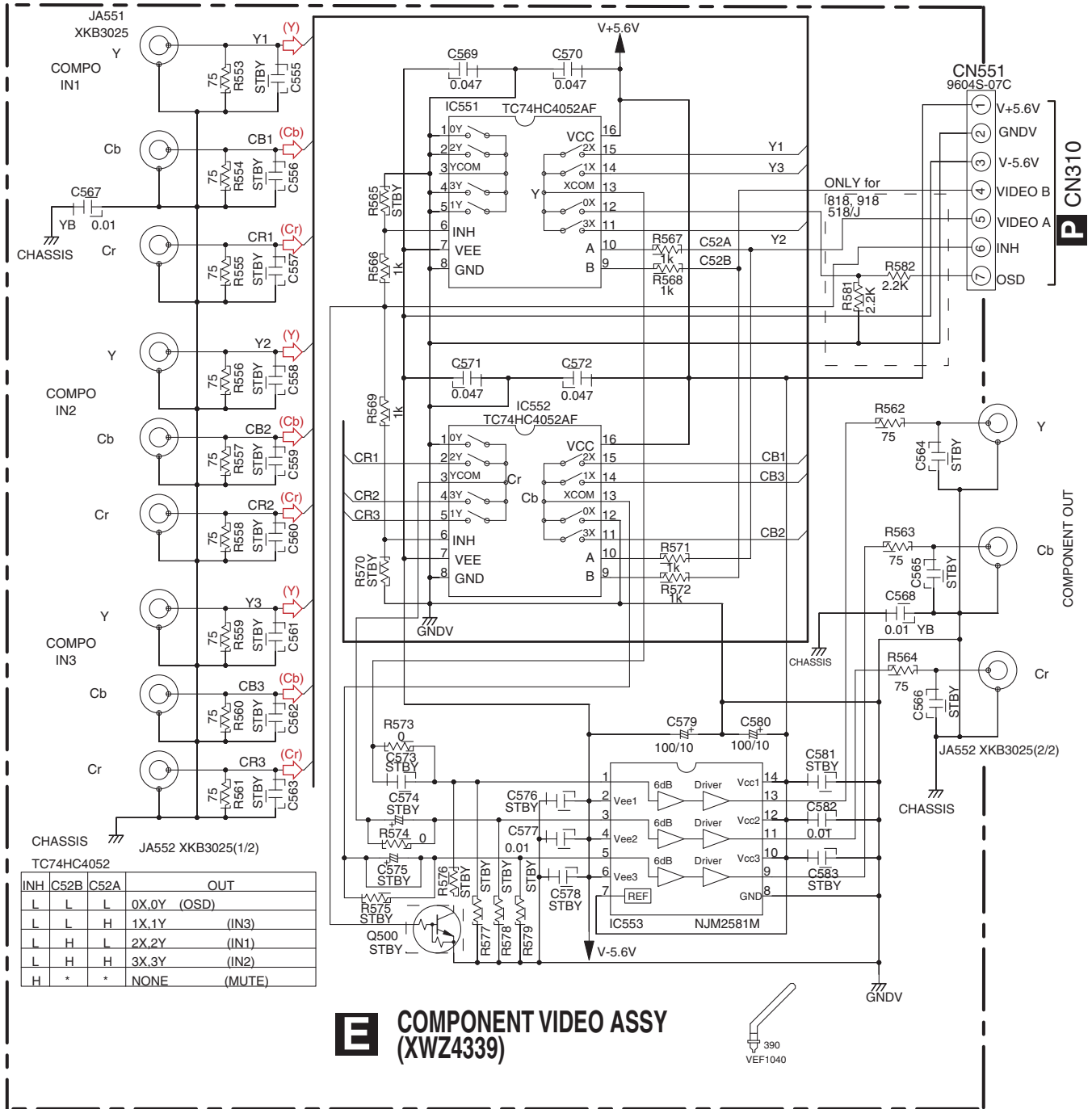
*2	VSX-518
Q801	X
Q802	X

NOTE

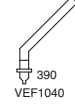
- RESISTORS**
Unit:k- Ω ,M- Ω or Ω unless otherwise noted.
Rated power:1/4W unless otherwise noted.
Tolerance:(J) \pm 5% unless otherwise noted.
- CAPACITORS**
Unit: p-pF or μ F unless otherwise noted.
Ratings:Capacity(μ F)/Voltage(V) unless otherwise noted.
Rated Voltage:50V except for electrolytic capacitors.

10.8 COMPONENT VIDEO, 5.1CH INPUT and TRANS3 ASSYS

A
B
C
D
E
F



E COMPONENT VIDEO ASSY (XWZ4339)

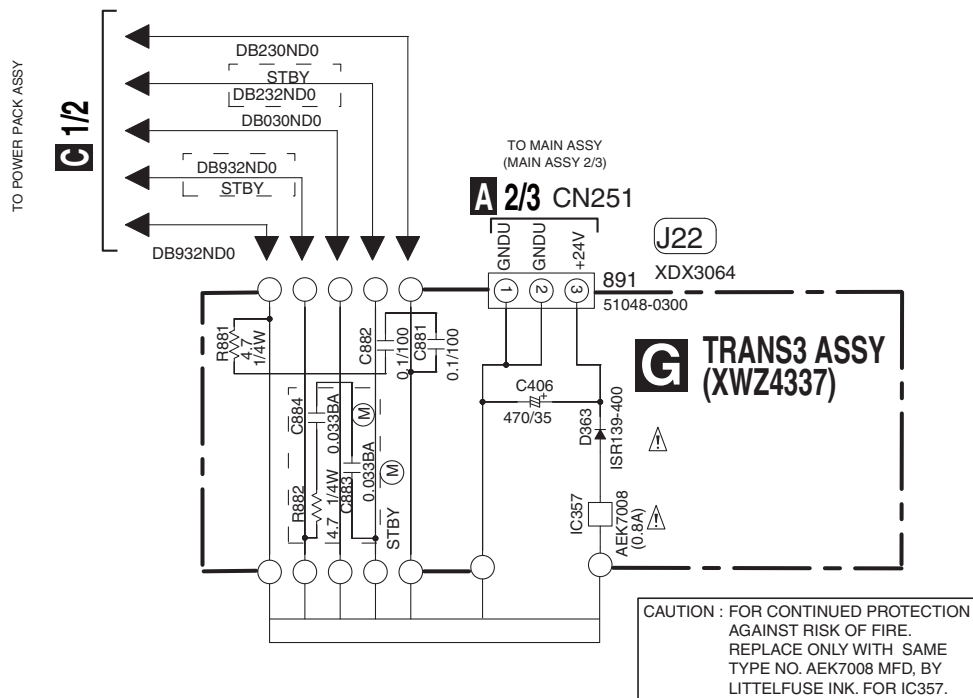
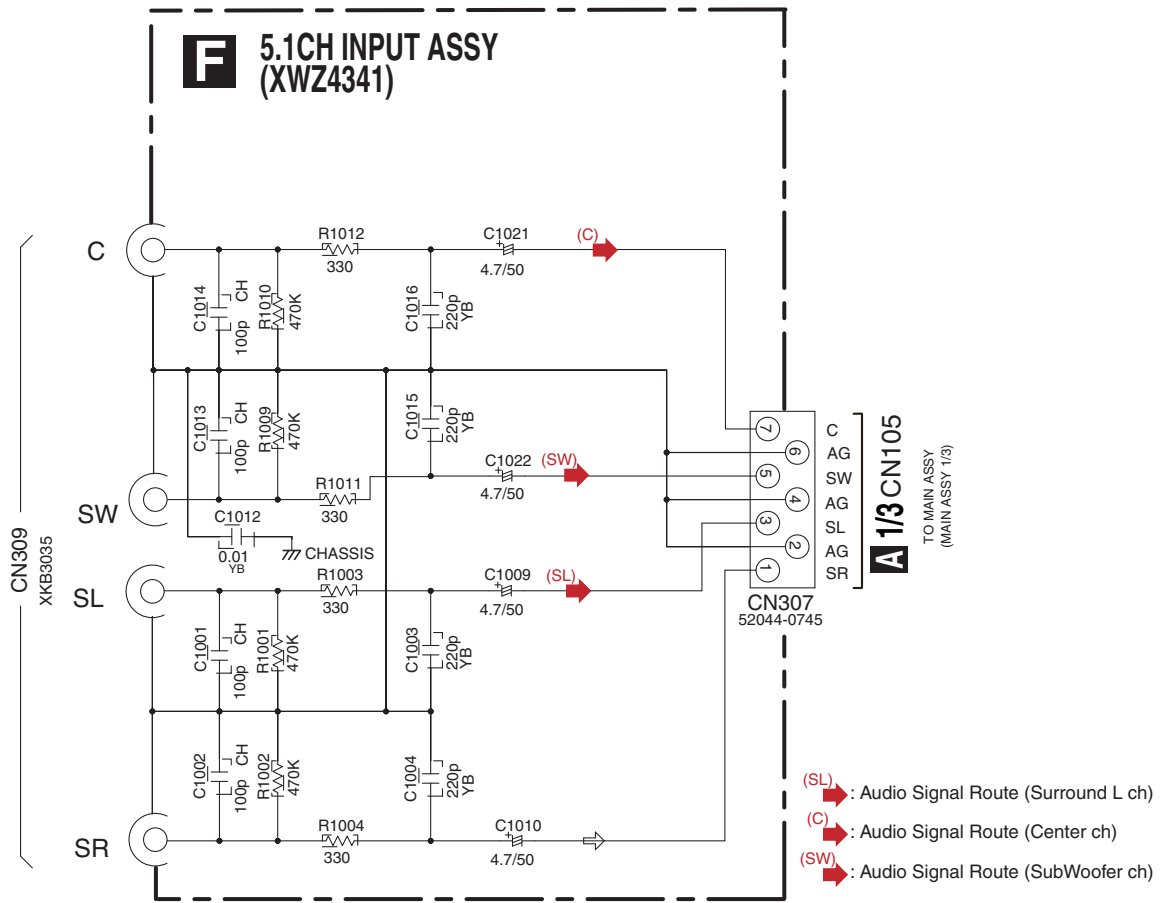


NOTE

- 1.RESISTORS**
Unit: k-kΩ, M-MΩ or Ω unless otherwise noted.
Rated power: 1/16W unless otherwise noted.
Tolerance: (J) ± 5% unless otherwise noted.
- 2.CAPACITORS**
Unit: p-pF or μF unless otherwise noted.
Ratings: Capacity(μF)/Voltage(V) unless otherwise noted.
Rated Voltage: 50V expect for electrolytic capacitors.

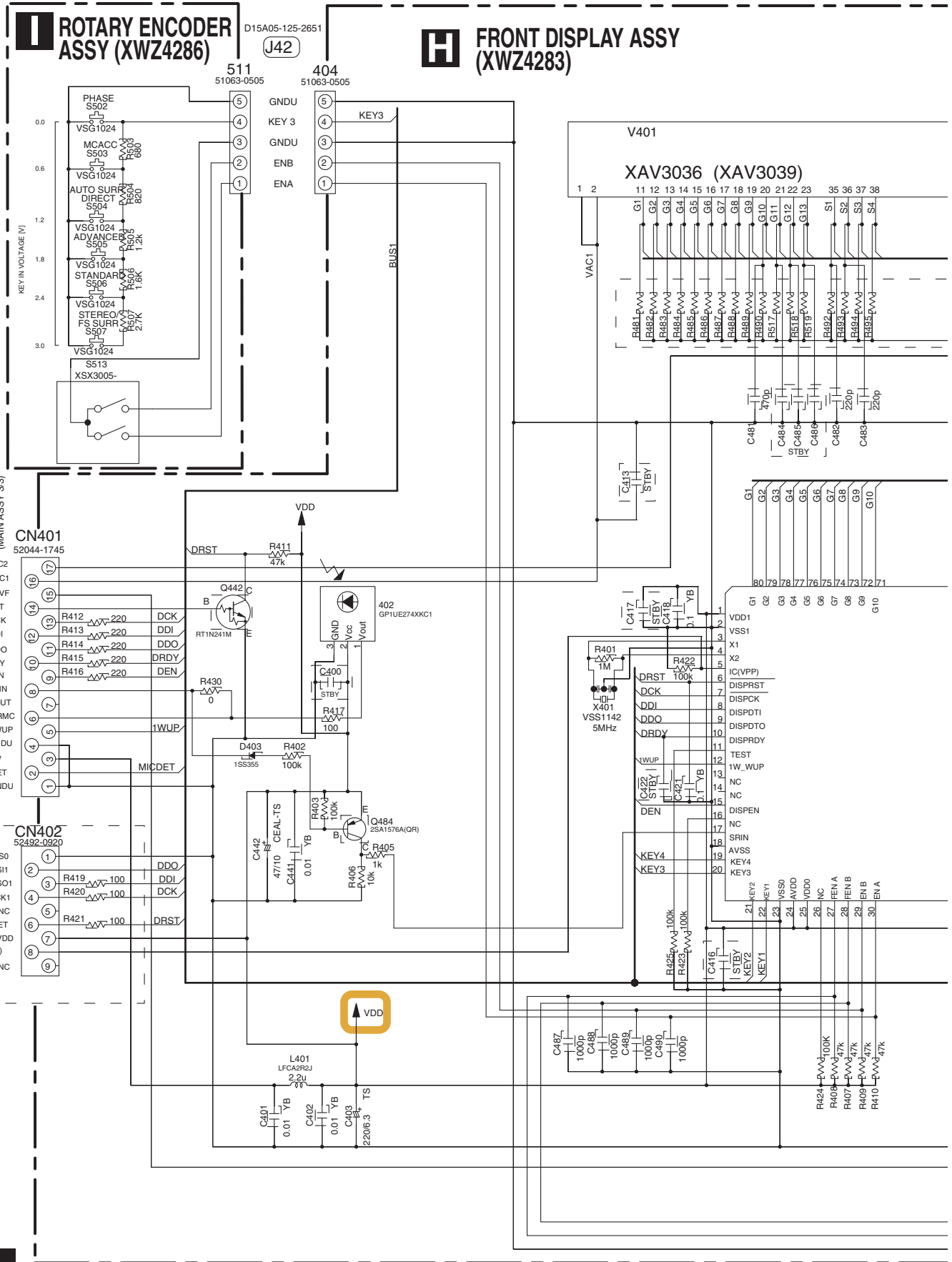
- (Y) Video Signal Route (Component Y ch)
- (Cb) Video Signal Route (Component Cb ch)
- (Cr) Video Signal Route (Component Cr ch)





10.9 FRONT DISPLAY, ROTARY ENCODER, POWER KEY and JOG ASSYS

A
B
C
D
E
F

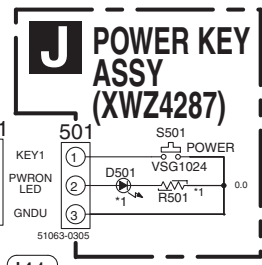
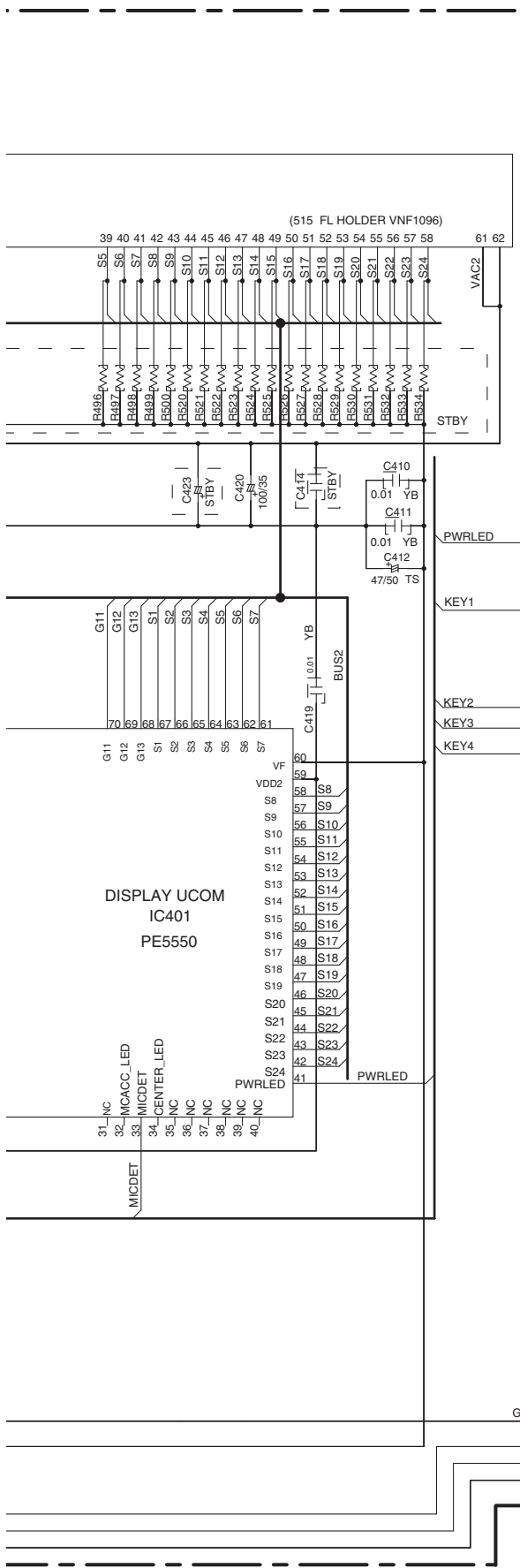


NOTE

1.RESISTORS
Unit: k-kΩ, M-MΩ or Ω unless otherwise noted.
Rated power: 1/16W unless otherwise noted.
Tolerance: (J) ± 5% unless otherwise noted.

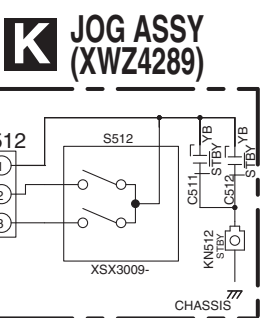
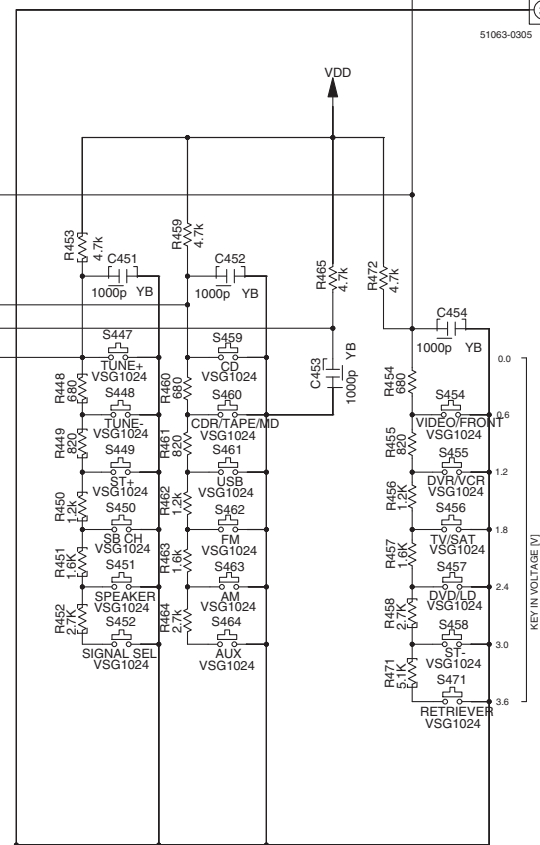
2.CAPACITORS
Unit: p-pF or μF unless otherwise noted.
Ratings: Capacity(μF)/Voltage(V) unless otherwise noted.
Rated Voltage: 50V expect for electrolytic capacitors.

3.TACT SWITCHES
Indicated in VSG1024



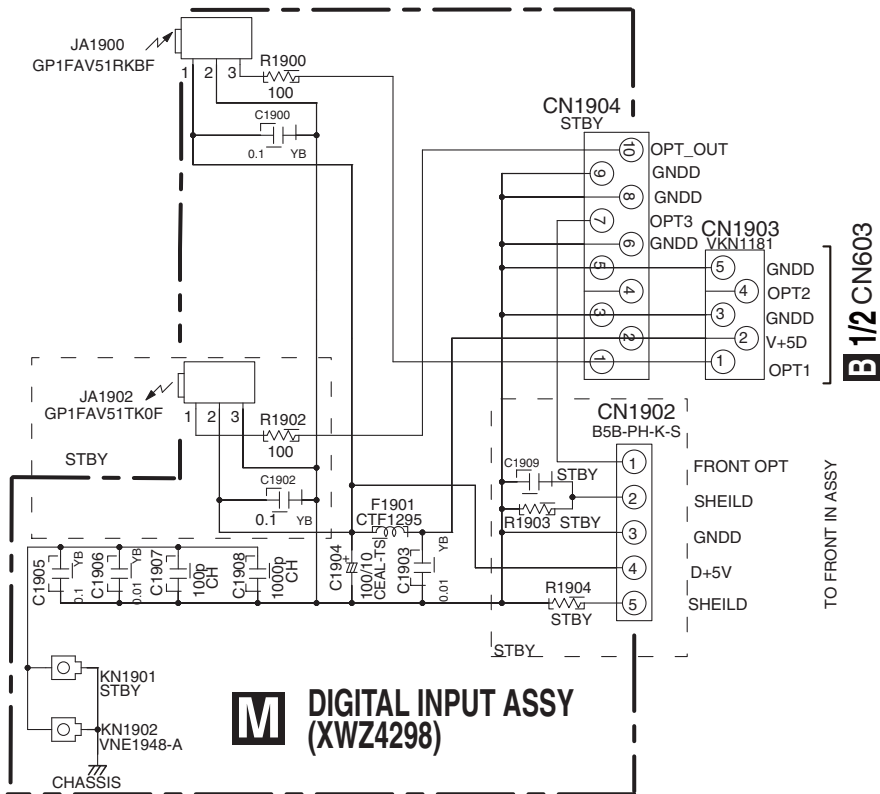
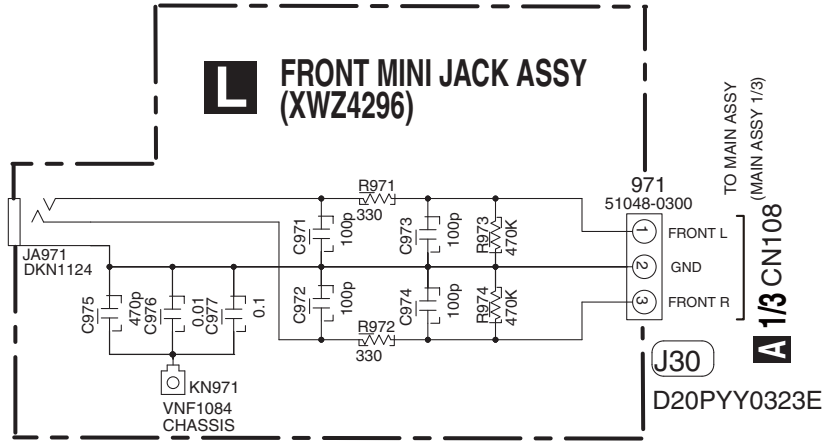
J41
D15A03-100-2651

*1	VSX-518
D501	No use
R501	No use



J44
D15A03-100-2651

10.10 FRONT MINI JACK, DIGITAL INPUT, REGULATOR and HEAD PHONE ASSYS



NOTE

1.RESISTORS
 Unit: k-k Ω , M-M Ω or Ω unless otherwise noted.
 Rated power: 1/16W unless otherwise noted.
 Tolerance: (J) \pm 5% unless otherwise noted.

2.CAPACITORS
 Unit: p-pF or μ F unless otherwise noted.
 Ratings: Capacity(μ F)/Voltage(V) unless otherwise noted.
 Rated Voltage: 50V expect for electrolytic capacitors.



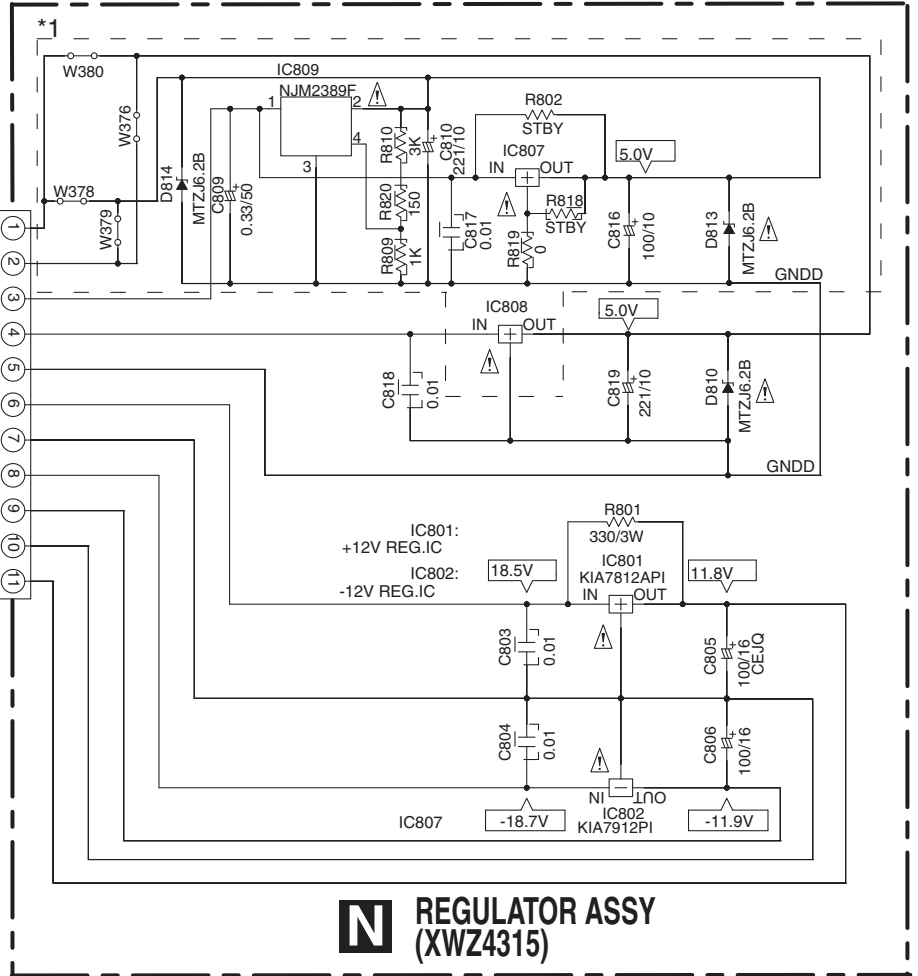
TO POWER PACK ASSY

C 2/2 810

*1	OTHERS
IC809	-
C809	-
C810	-
R809	-
R810	-
R820	-
D814	-
IC807	-
R819	-
C817	-
C816	-
D813	-
IC808	KIA7805API
W376	O
W379	-
W380	-
W378	-

J43
XDX3066

- 52147-1110 CN800
- V+5D1
- V+5D2
- DREG INPUT
- DREG INPUT
- GNDD
- REG B+
- REG G
- REG B-
- 12V
- GAV
- +12V



N REGULATOR ASSY (XWZ4315)

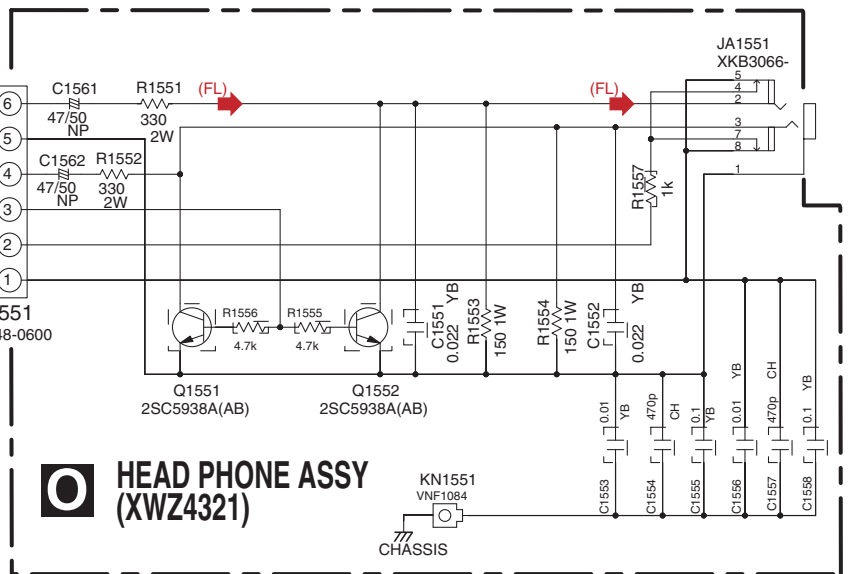
TO POWER PACK ASSY

C 1/2 CN702

- HP L
- HP G
- HP R
- AMUTE
- HP SW
- GNDD

1551
51048-0600

J47
XDX3065

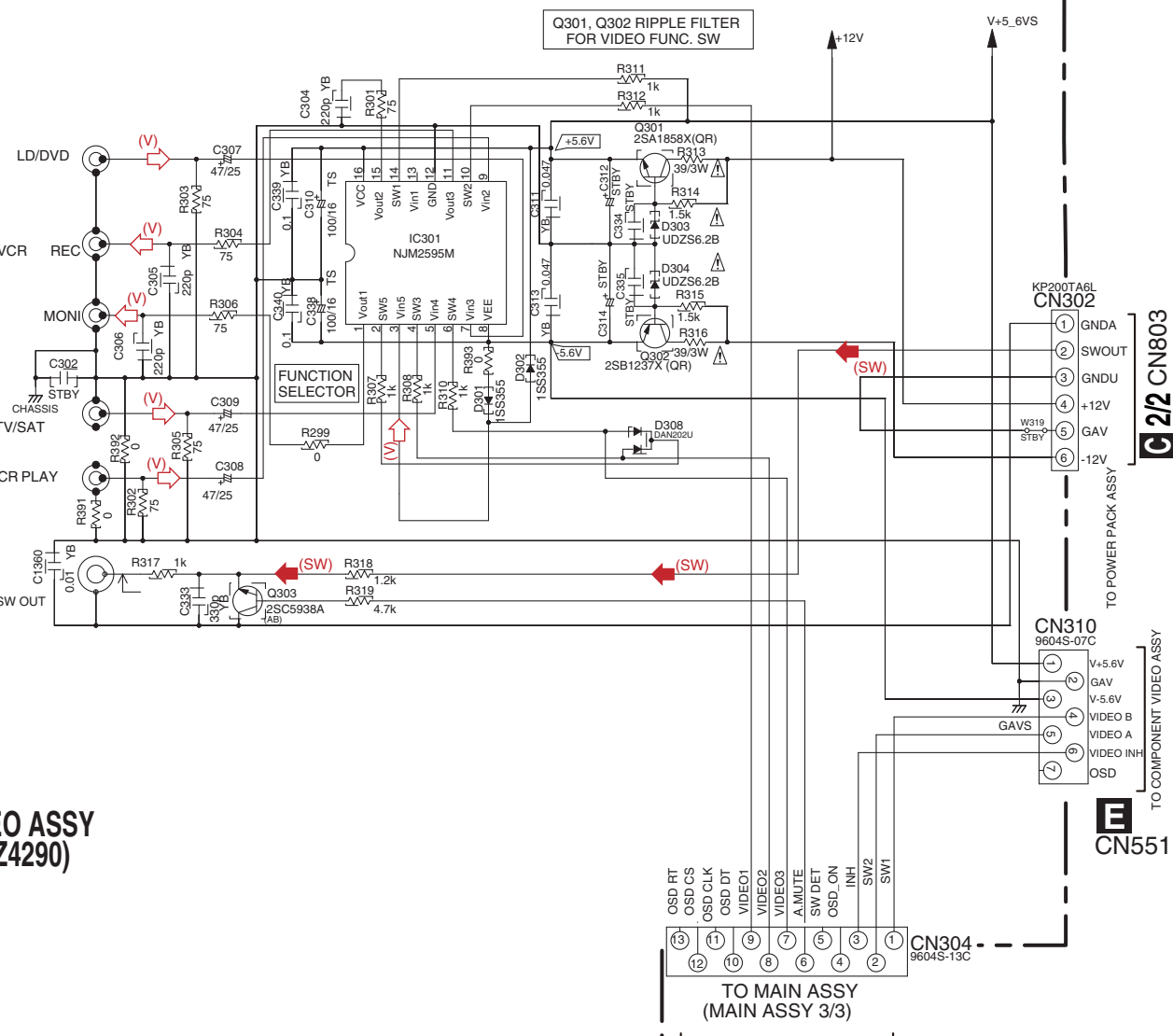


O HEAD PHONE ASSY (XWZ4321)

(FL) : Audio Signal Route (Front L ch)

10.11 VIDEO, PRIMARY and TRANS1 ASSYS

A
B
C
D
E
F

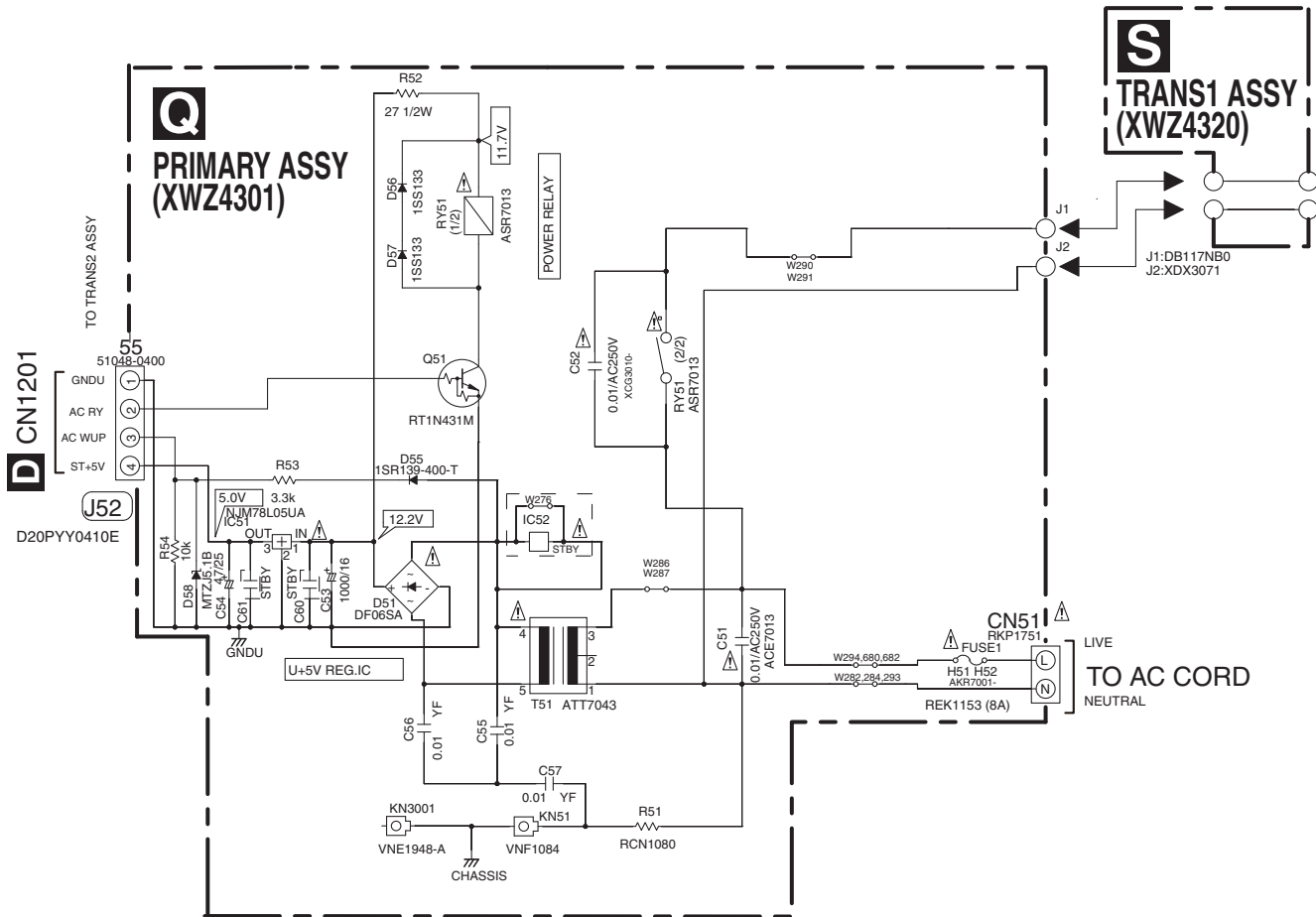


P
VIDEO ASSY
(XWZ4290)

C 2/2 CN803

E CN551

A 3/3 CN130



• NOTE FOR FUSE REPLACEMENT

CAUTION - FOR CONTINUED PROTECTION AGAINST RISK OF FIRE. REPLACE WITH SAME TYPE AND RATINGS OF FUSE.

NOTE

1.RESISTORS
 Unit: k-kΩ, M-MΩ or Ω unless otherwise noted.
 Rated power: 1/16W unless otherwise noted.
 Tolerance: (J) ± 5% unless otherwise noted.

2.CAPACITORS
 Unit: p-pF or μF unless otherwise noted.
 Ratings: Capacity(μF) Voltage(V) unless otherwise noted.
 Rated Voltage: 50V expect for electrolytic capacitors.


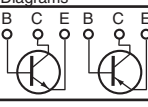

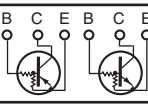

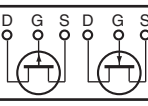

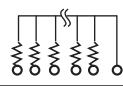


- (V) : Video Signal Route
- (L) : Audio Signal Route (L ch)
- (SW) : Audio Signal Route (SubWoofer ch)

1 2 3 4

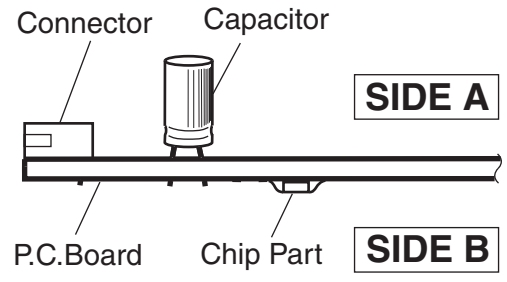
11. PCB CONNECTION DIAGRAM

NOTE FOR PCB DIAGRAMS :

1. Part numbers in PCB diagrams match those in the schematic diagrams.
2. A comparison between the main parts of PCB and schematic diagrams is shown below.

Symbol In PCB Diagrams	Symbol In Schematic Diagrams	Part Name
		Transistor
		Transistor with resistor
		Field effect transistor
		Resistor array
		3-terminal regulator

3. The parts mounted on this PCB include all necessary parts for several destinations.
For further information for respective destinations, be sure to check with the schematic diagram.
4. View point of PCB diagrams.



Connector Capacitor

P.C.Board Chip Part

SIDE A

SIDE B

60

VSX-518-K

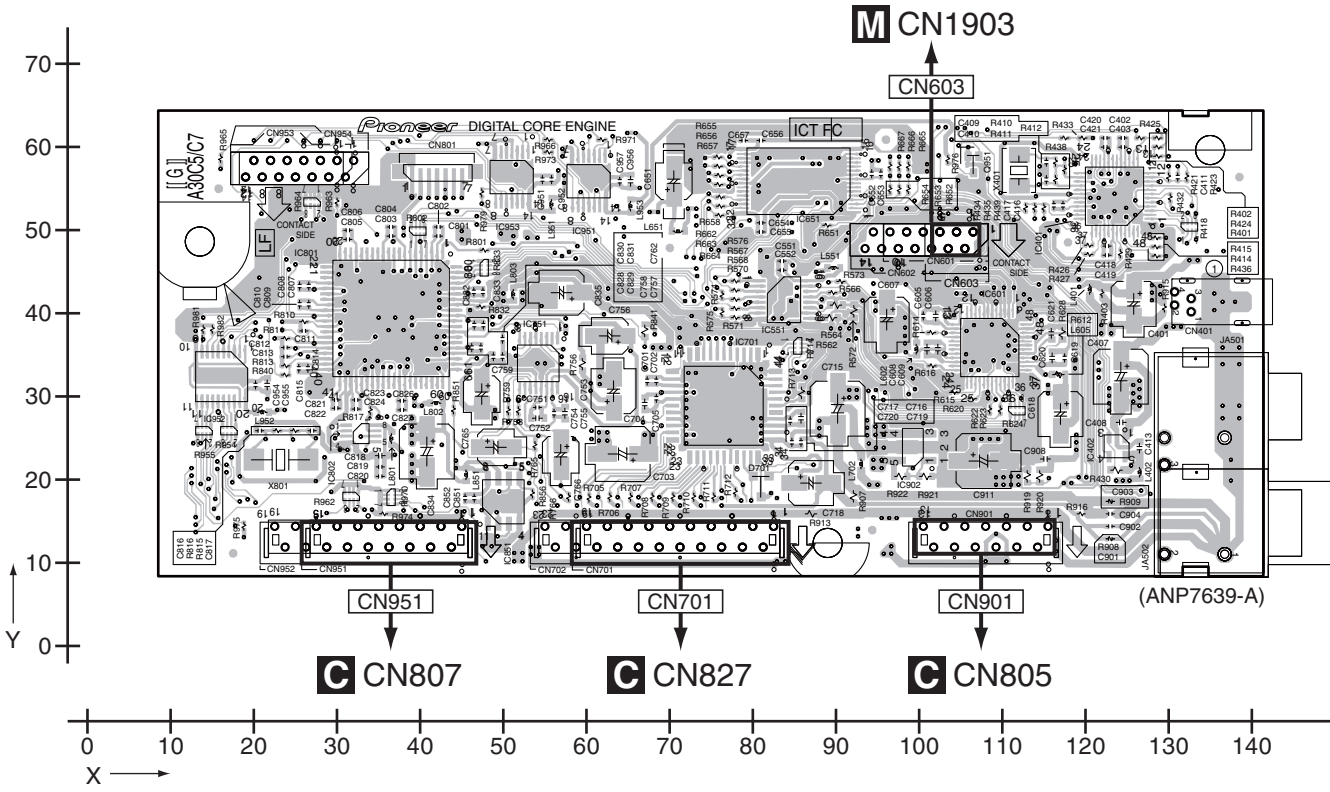
1 2 3 4

11.1 DSP ASSY

SIDE A

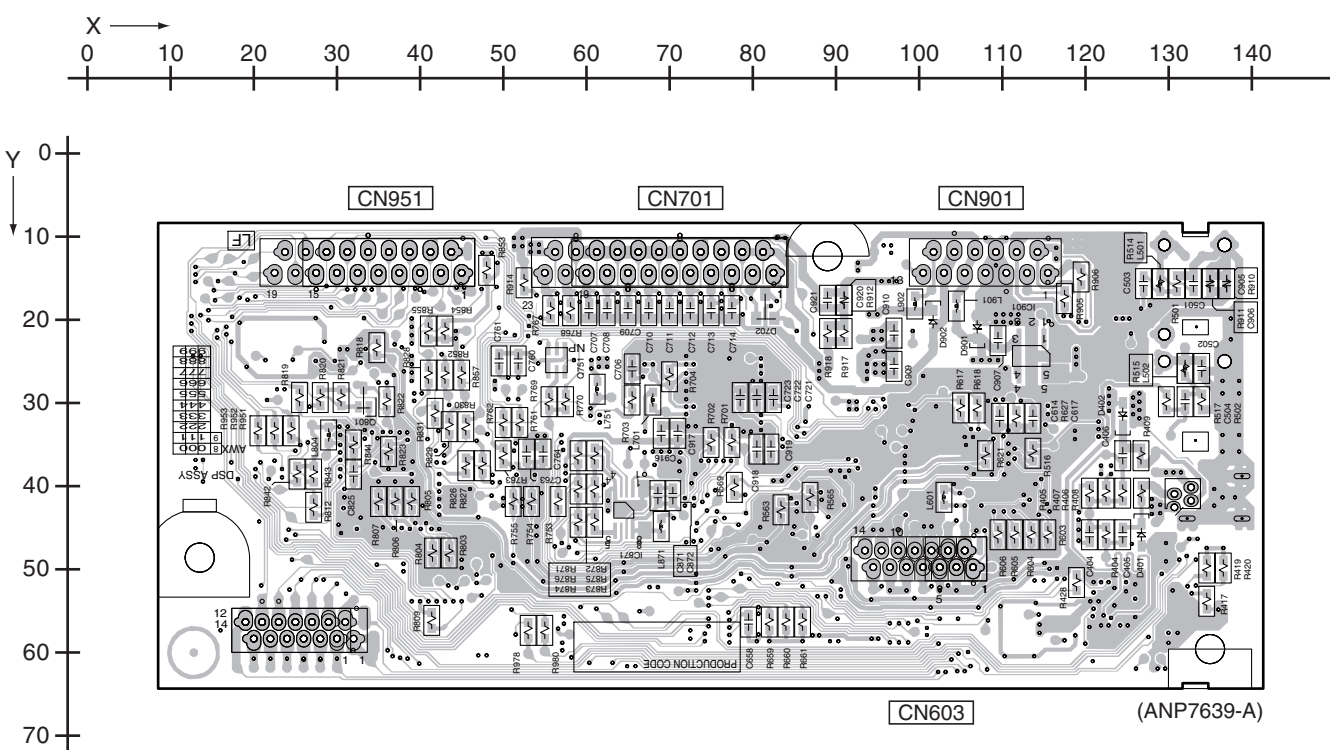
B DSP ASSY

SIDE A



SIDE B

SIDE B



B DSP ASSY

B

11.2 MAIN ASSY

SIDE A

A

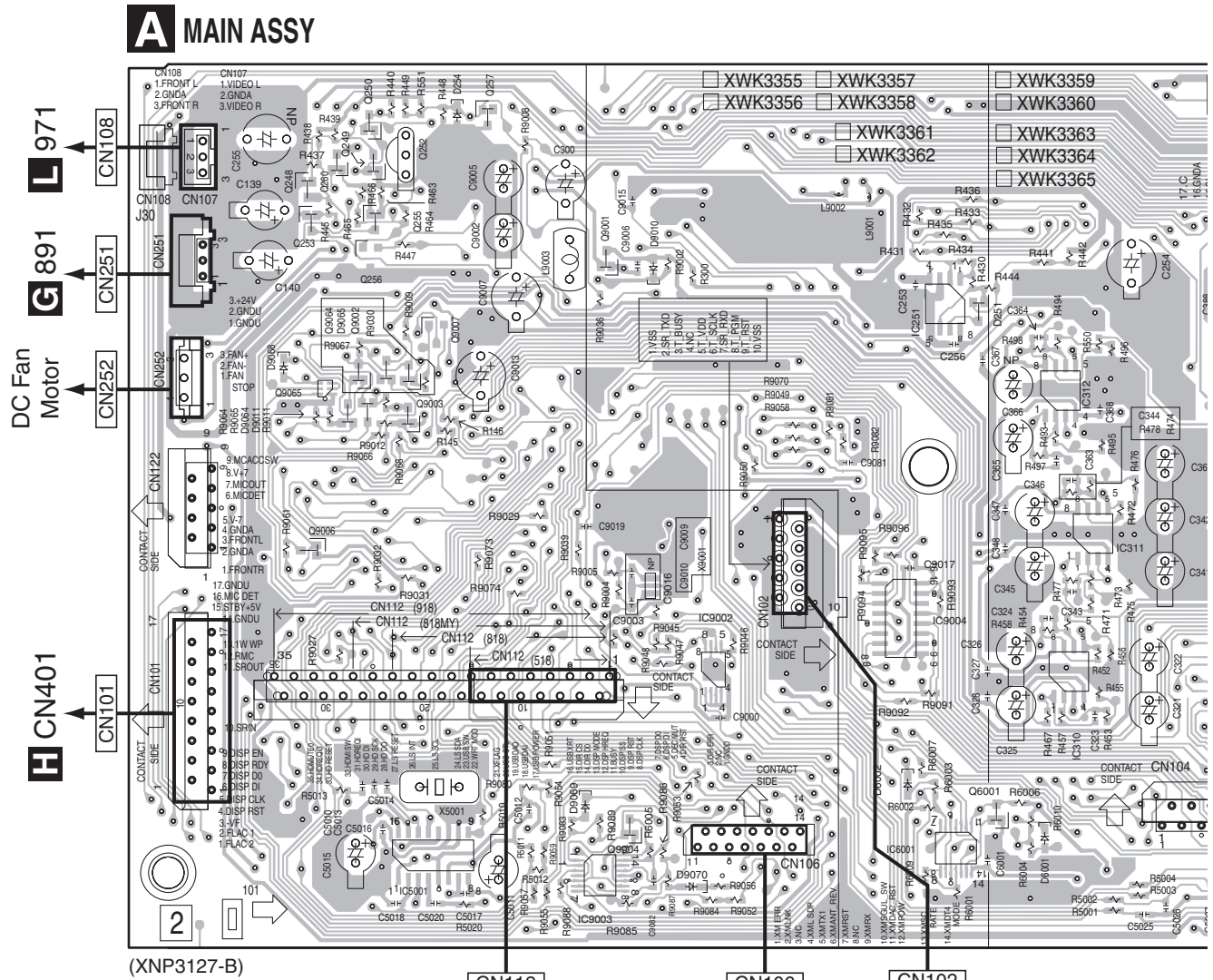
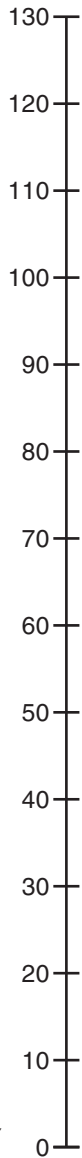
B

C

D

E

F

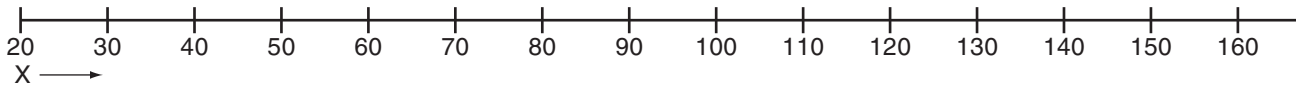


(XNP3127-B)

C CN813

B CN953

for FLASH



A

SIDE A

A

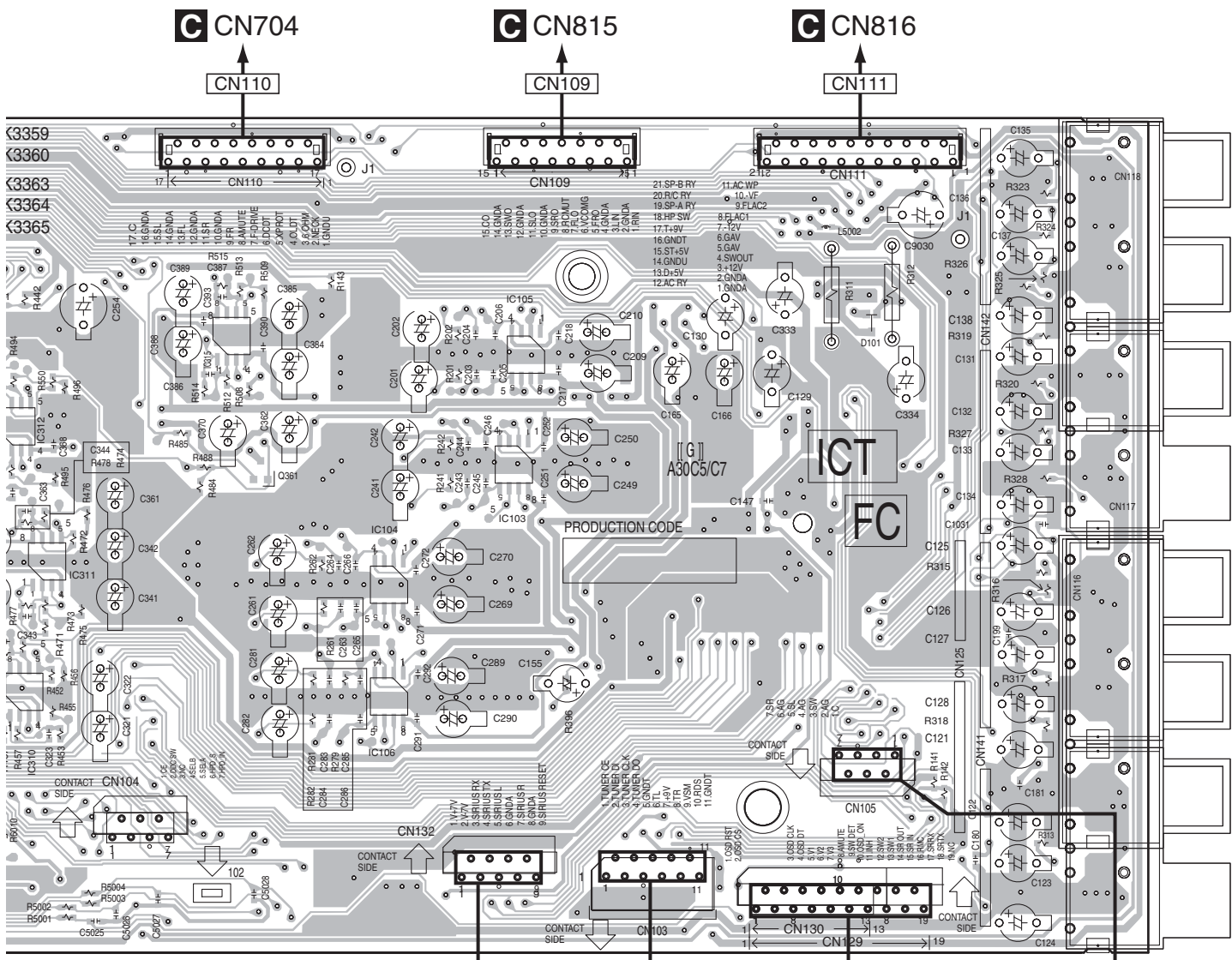
B

C

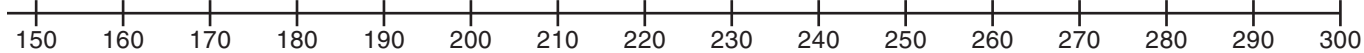
D

E

F

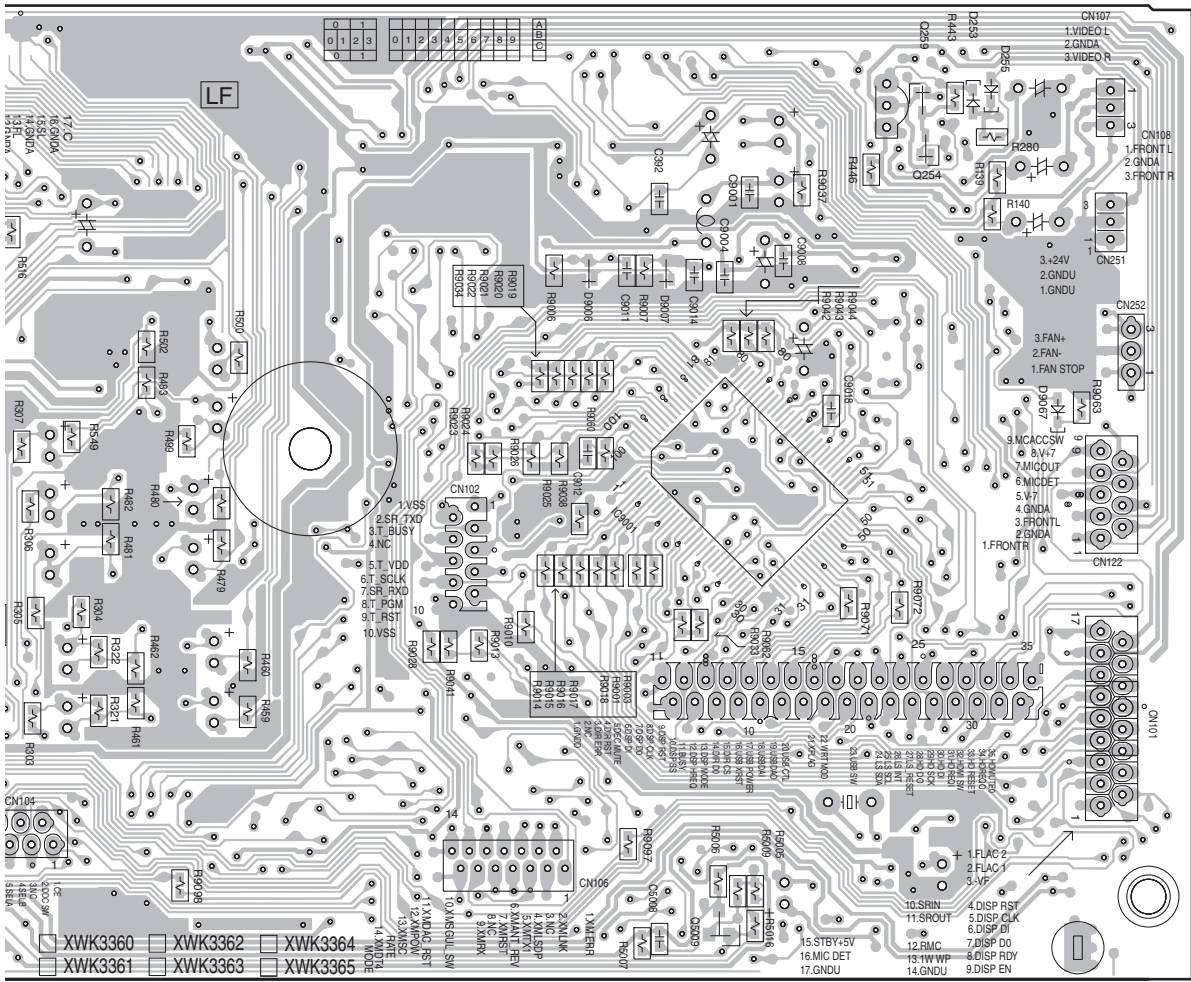


U CN7301 FM/AM Tuner Unit
P CN304
F CN307



SIDE B

A



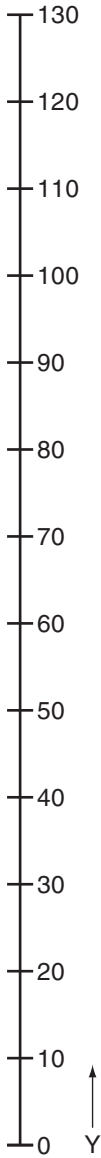
N104

CN102

CN106

CN112

(XNP3127-B)

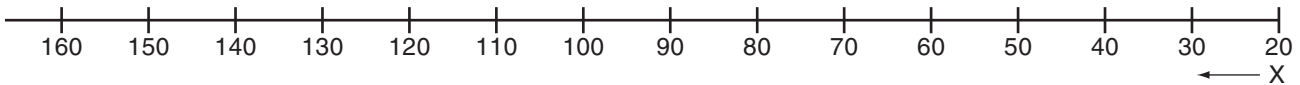


B

C

D

E

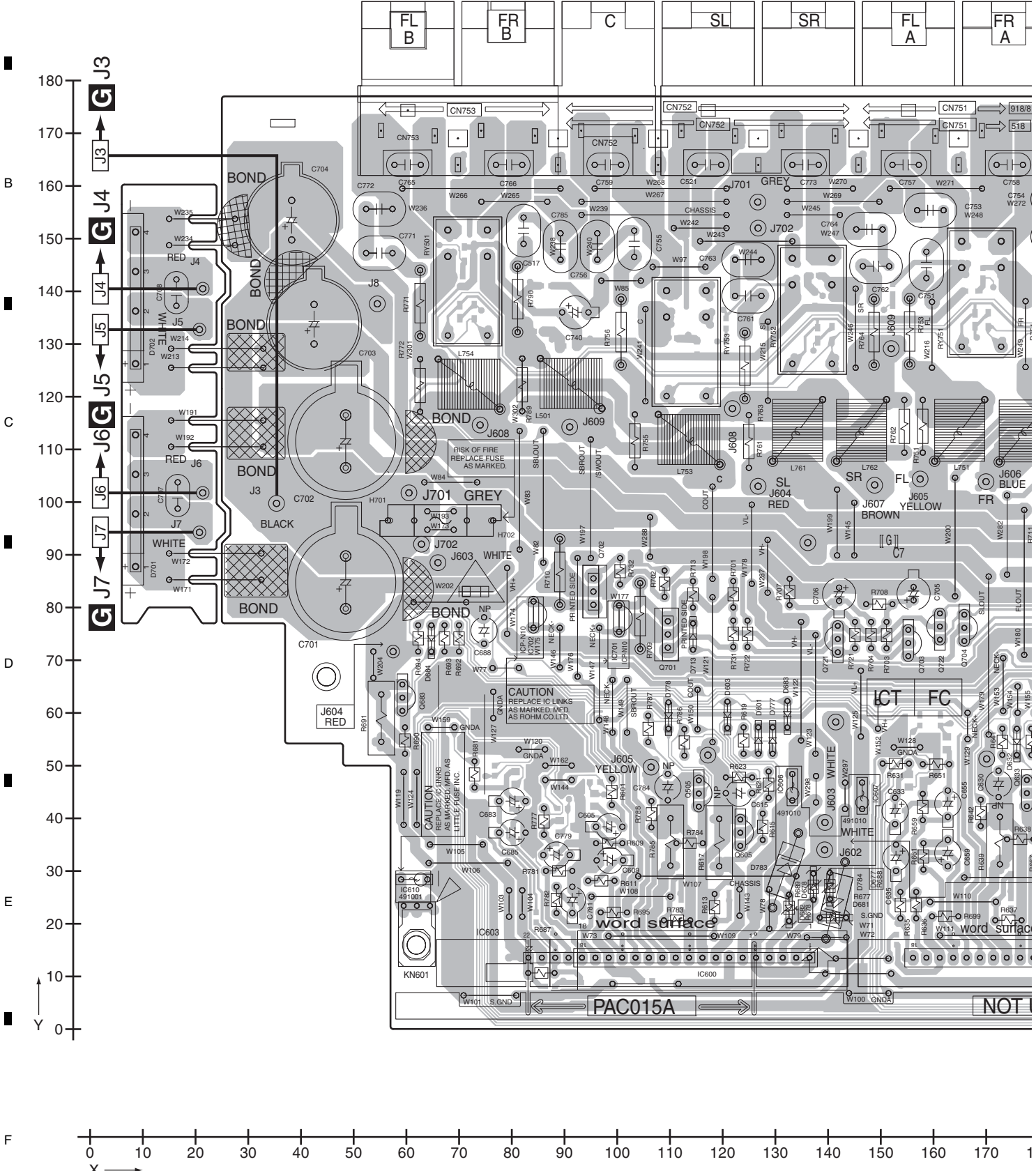


F

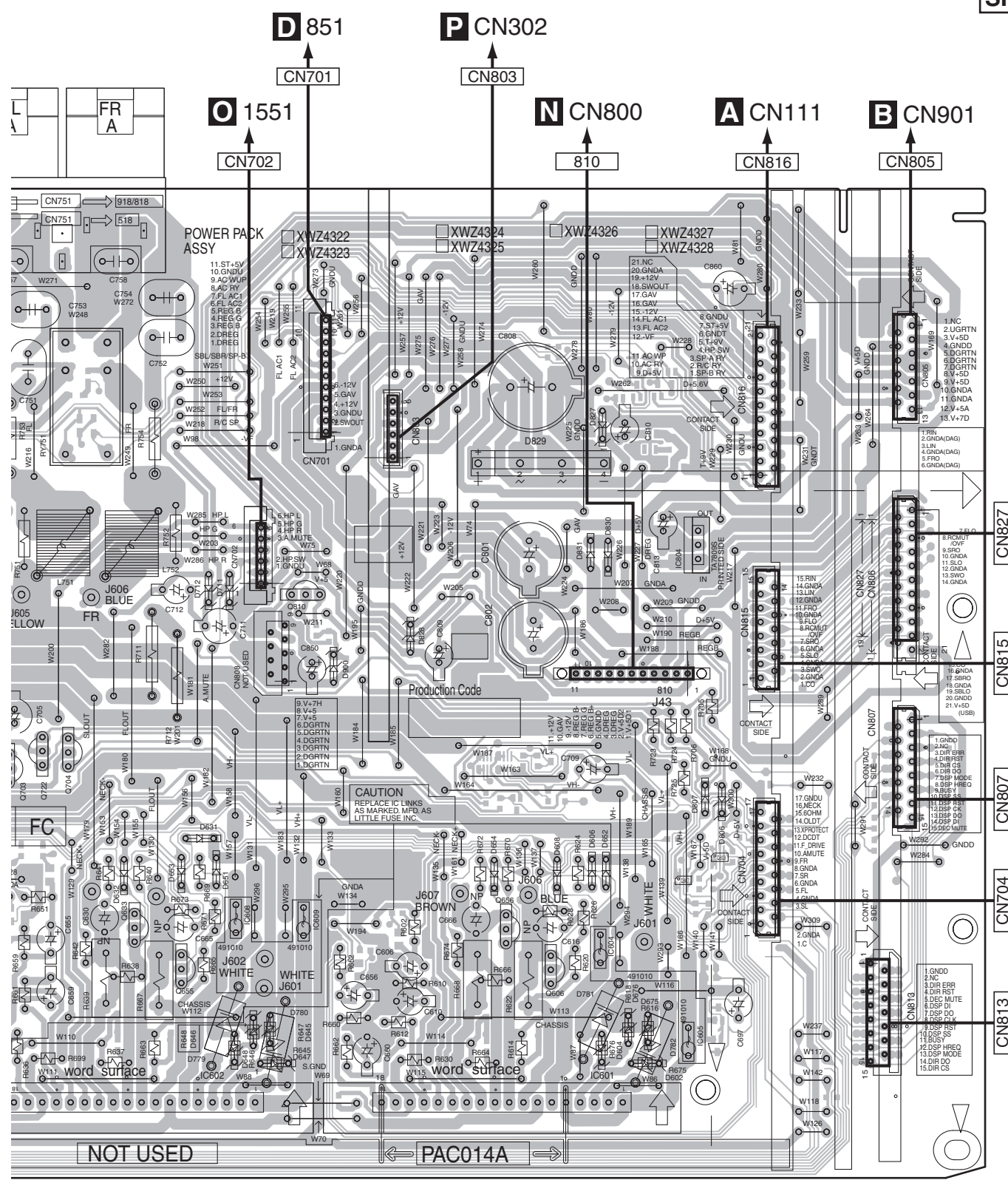
11.3 POWER PACK ASSY

SIDE A

POWER PACK ASSY



SIDE A



A
B
C
D
E
F

A CN112 **A** CN110 **B** CN951 **A** CN109 **B** CN701

(XNP3126-B)

VSX-518-K

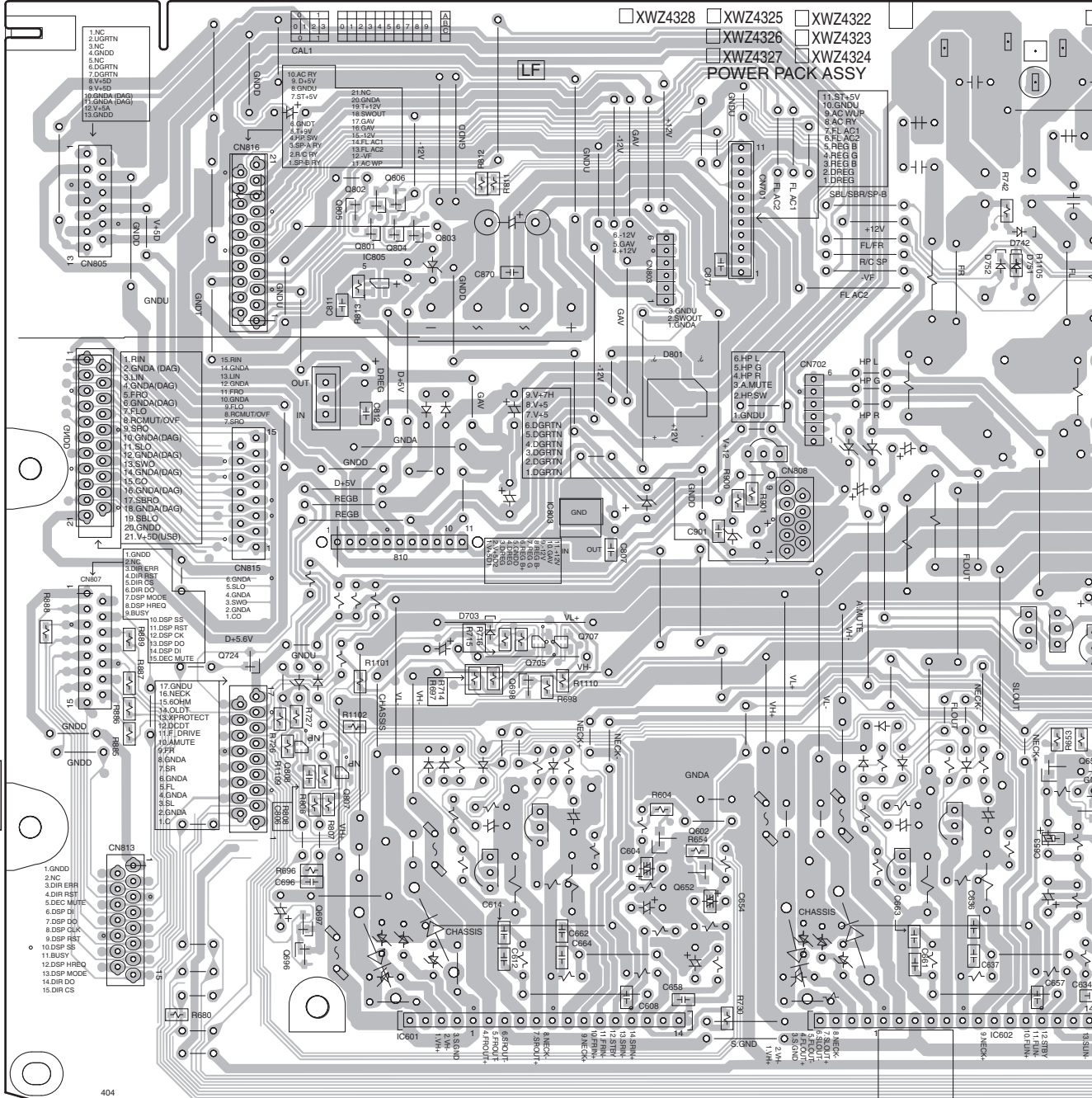


SIDE B

C POWER PACK ASSY

A
B
C
D
E
F

CN805 CN816 810 CN803 CN701 CN702

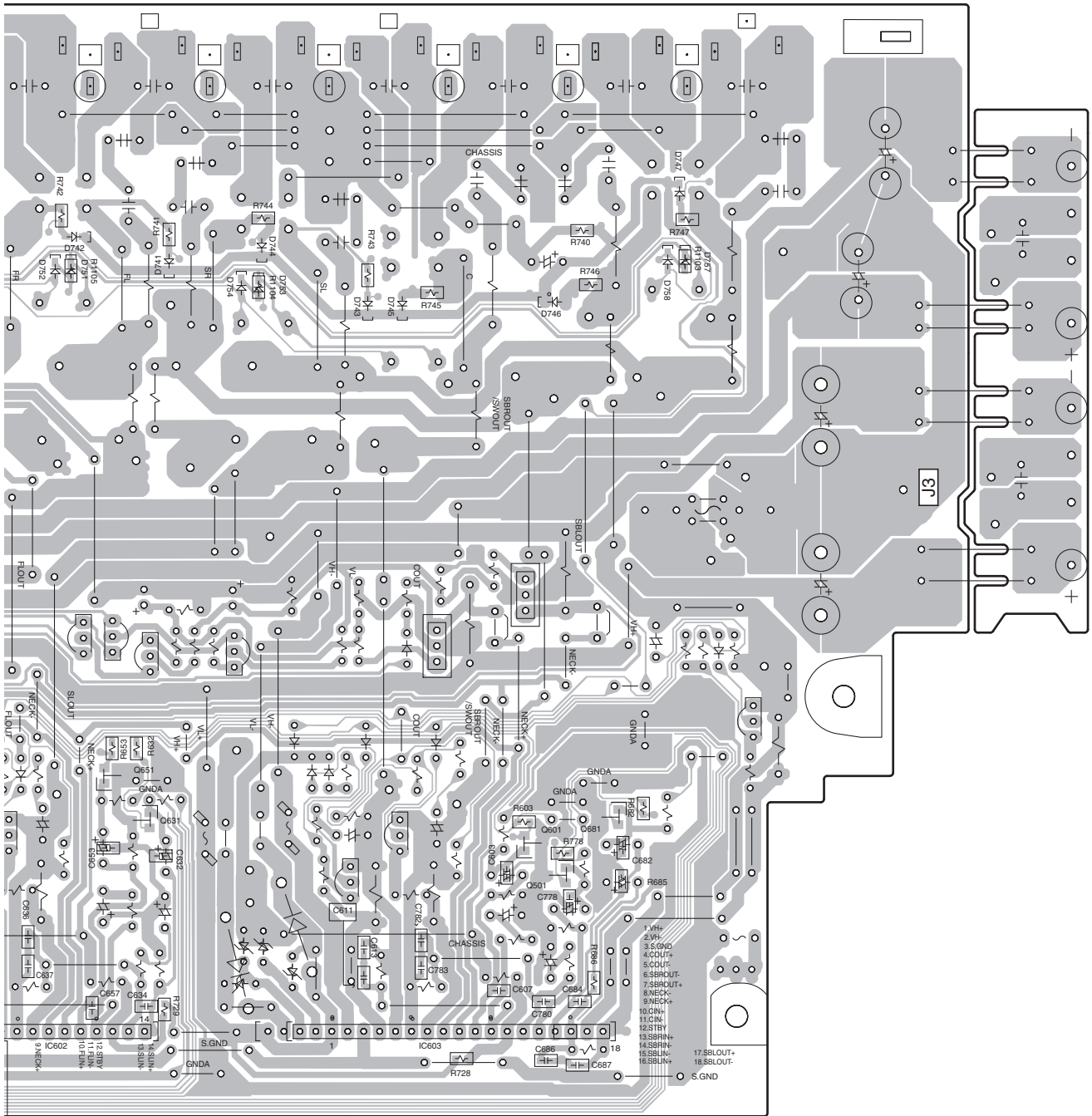


330 320 310 300 290 280 270 260 250 240 230 220 210 200 190 180 170 160

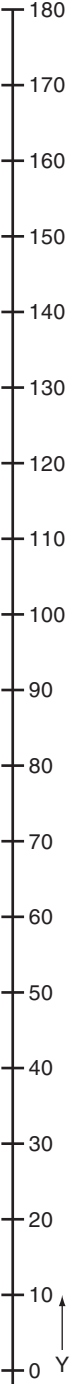
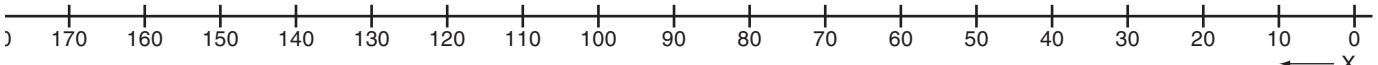
C

SIDE B

A



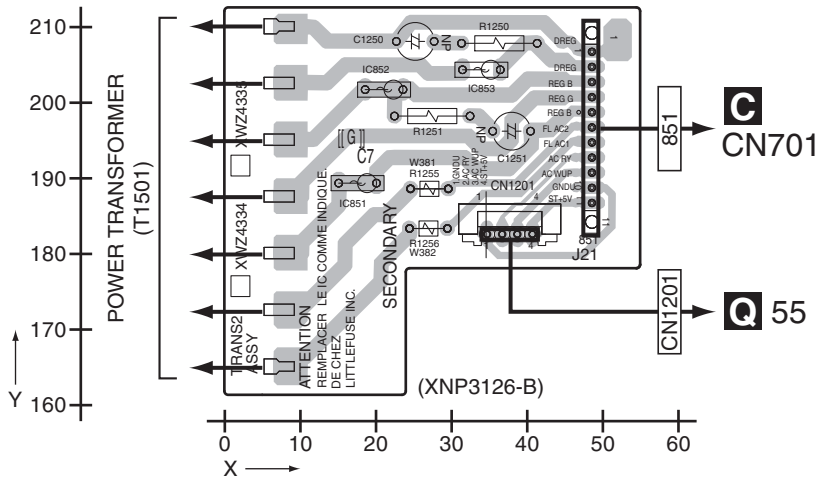
(XNP3126-B)



11.4 TRANS2 and TRANS3 ASSYS

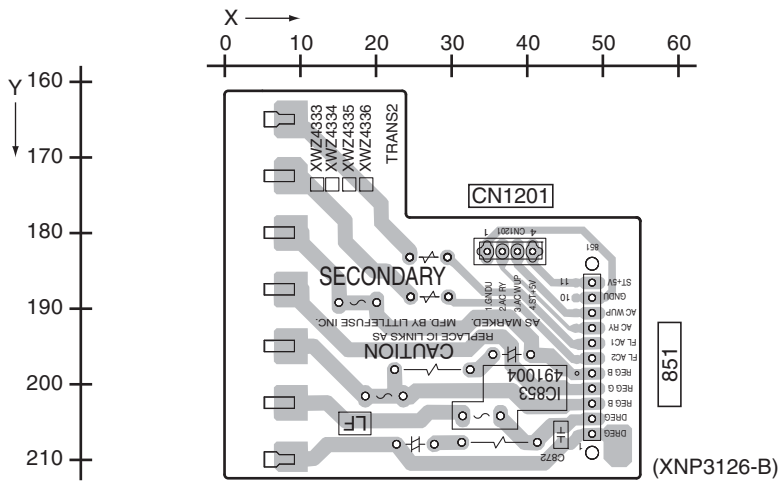
SIDE A

D TRANS2 ASSY



SIDE B

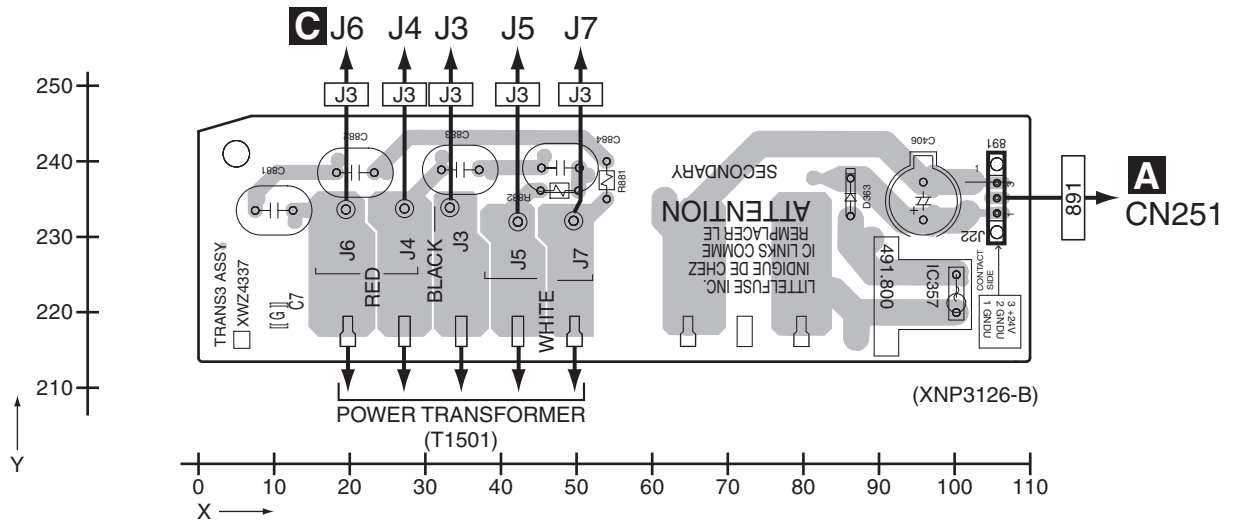
D TRANS2 ASSY



D

SIDE A

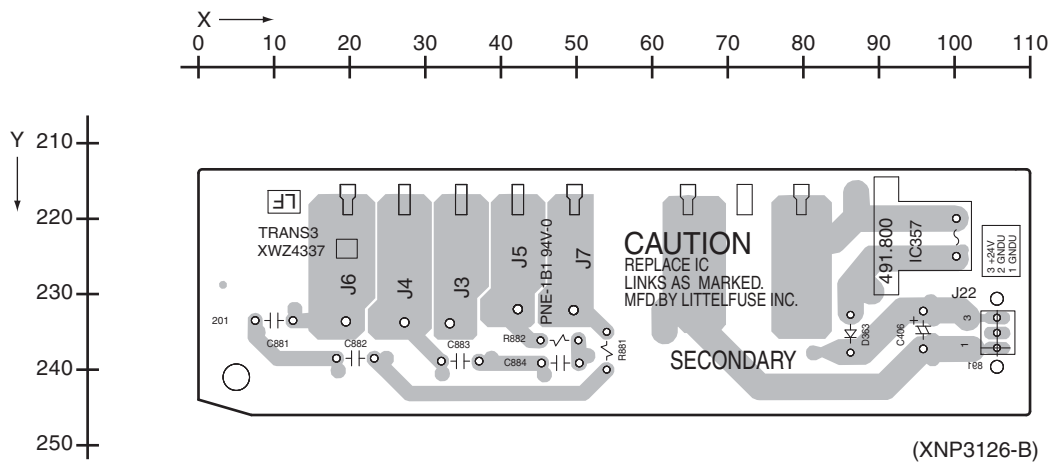
G TRANS3 ASSY



A CN251

SIDE B

G TRANS3 ASSY



891

11.5 COMPONENT VIDEO ASSY

1

2

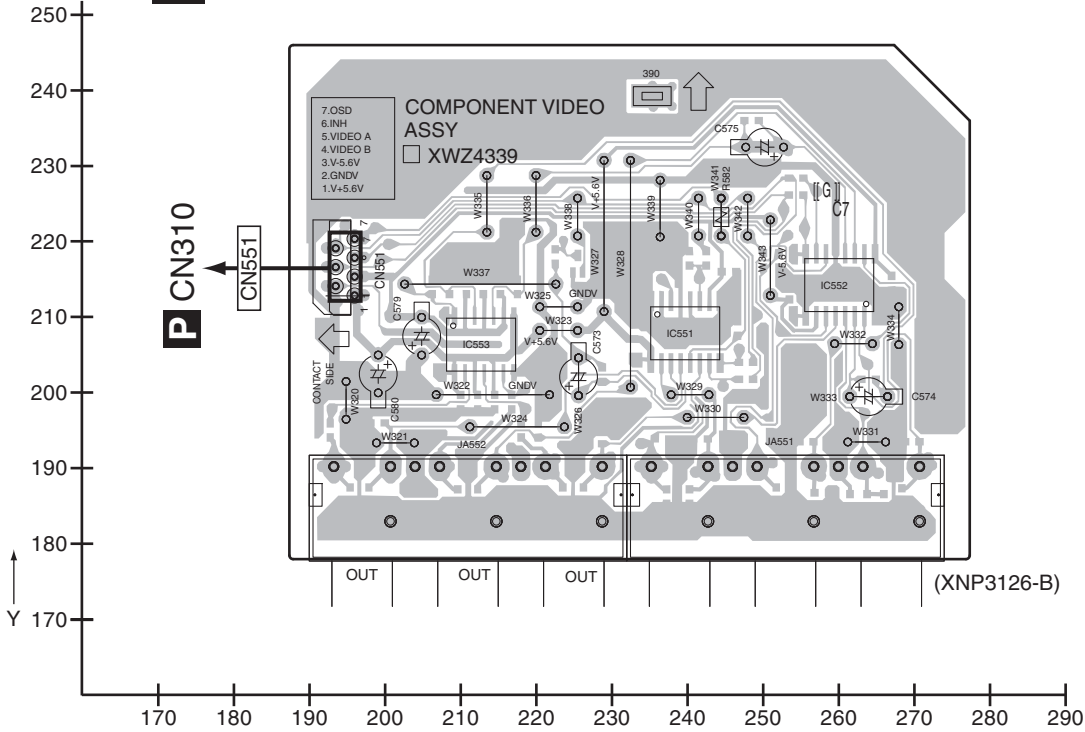
3

4

SIDE A

SIDE A

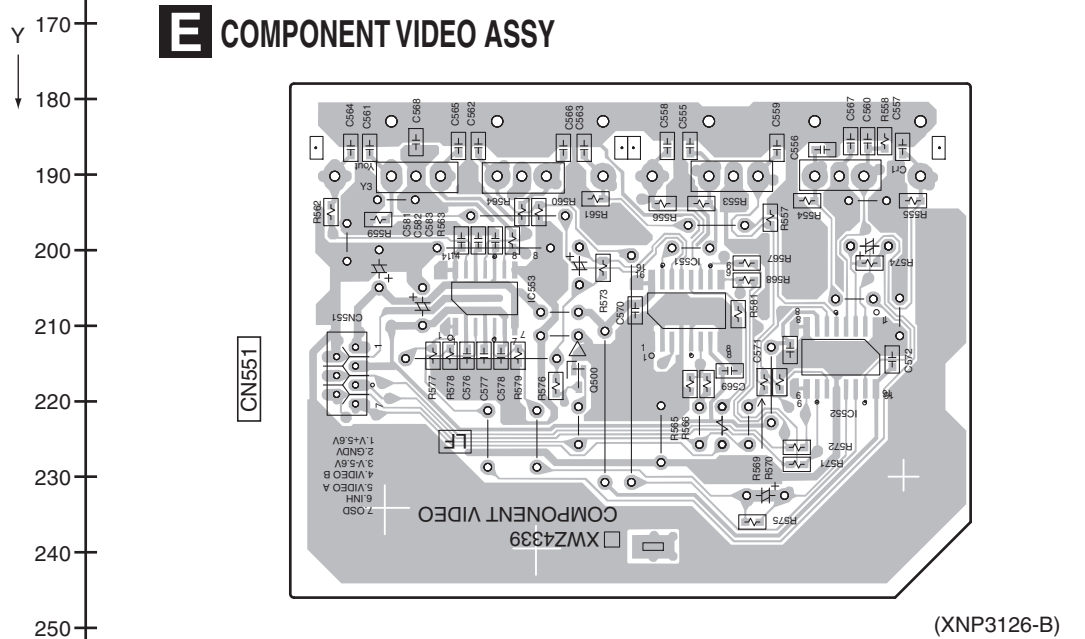
COMPONENT VIDEO ASSY



SIDE B

SIDE B

COMPONENT VIDEO ASSY



E

E

1

2

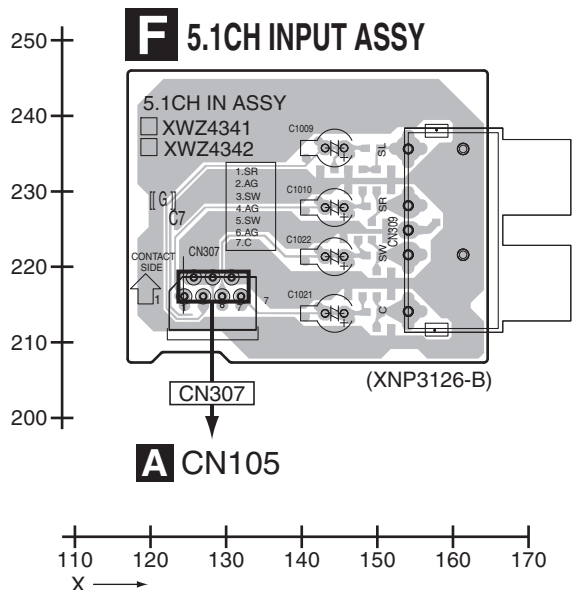
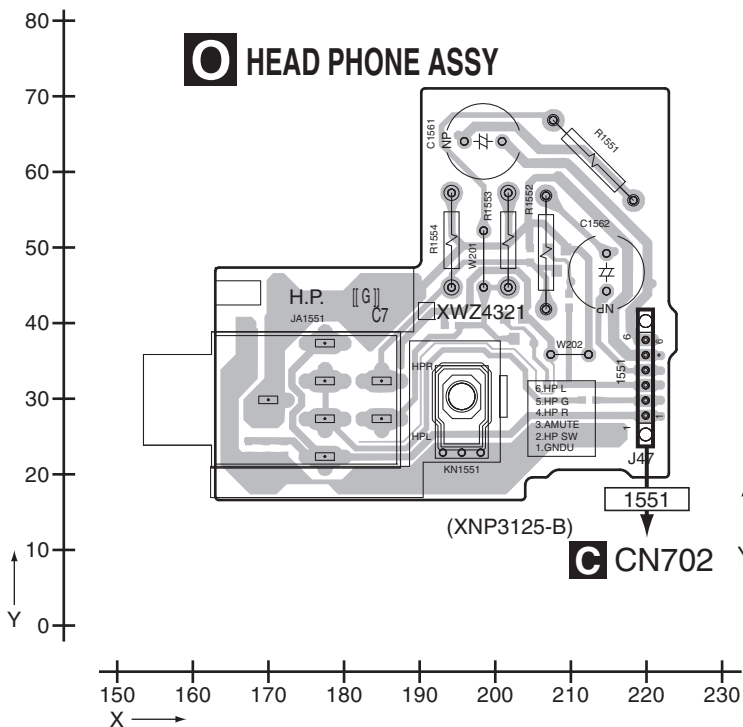
3

4

11.6 5.1CH INPUT and HEAD PHONE ASSYS

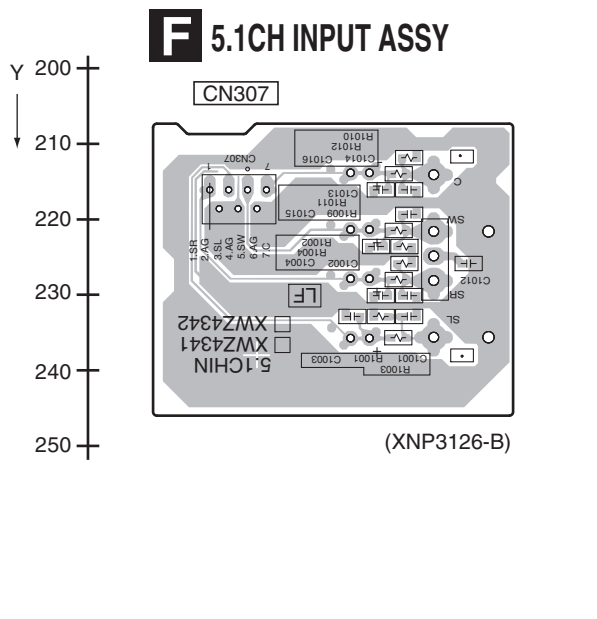
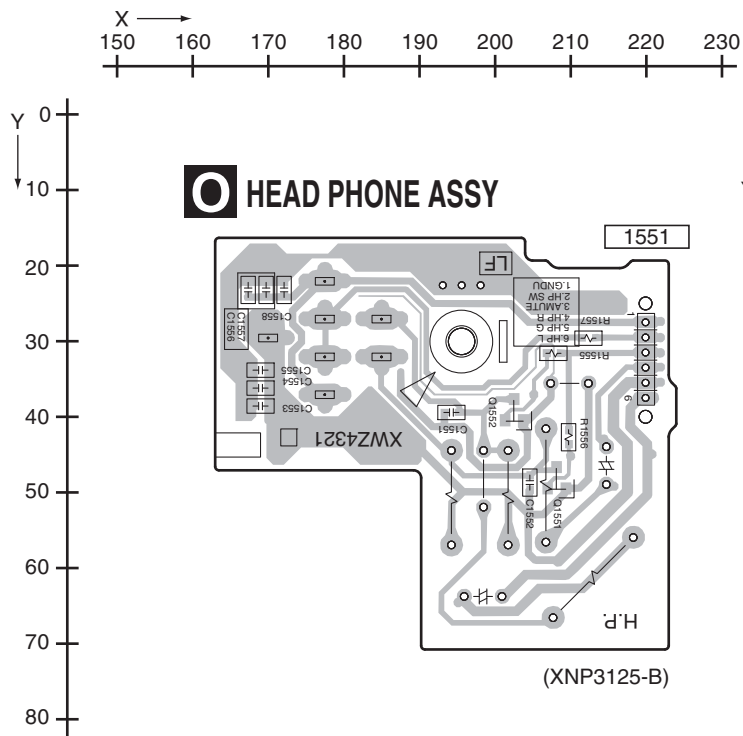
SIDE A

SIDE A



SIDE B

SIDE B

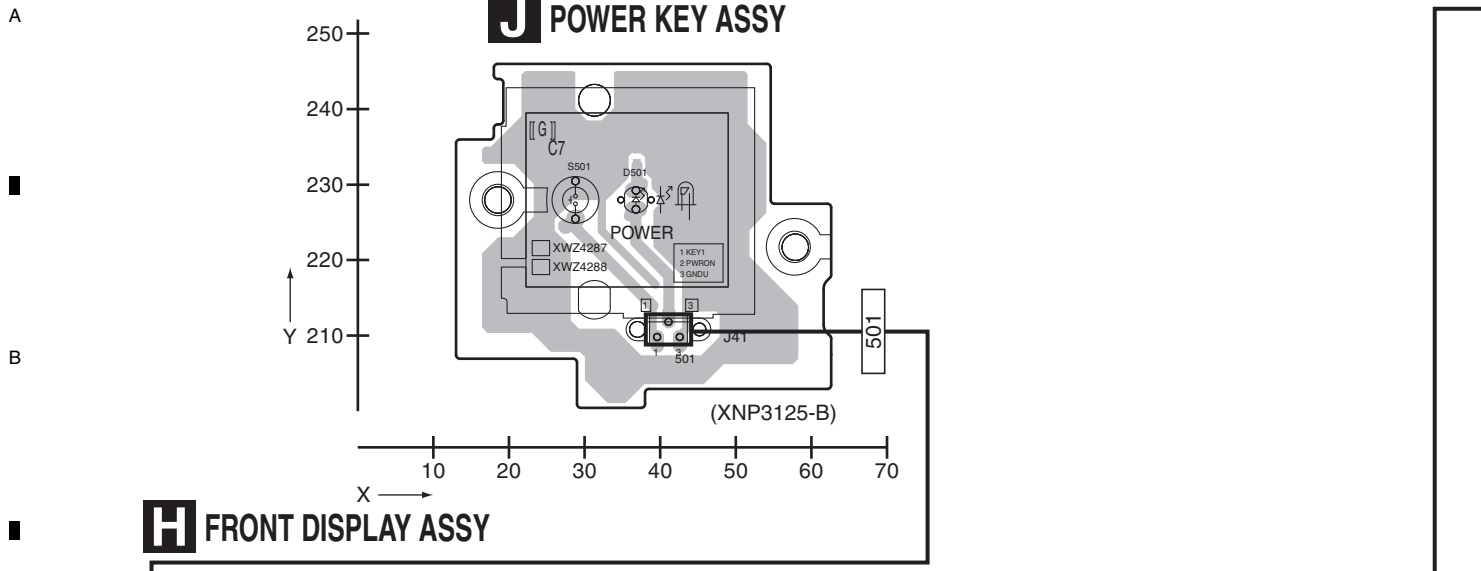


F O

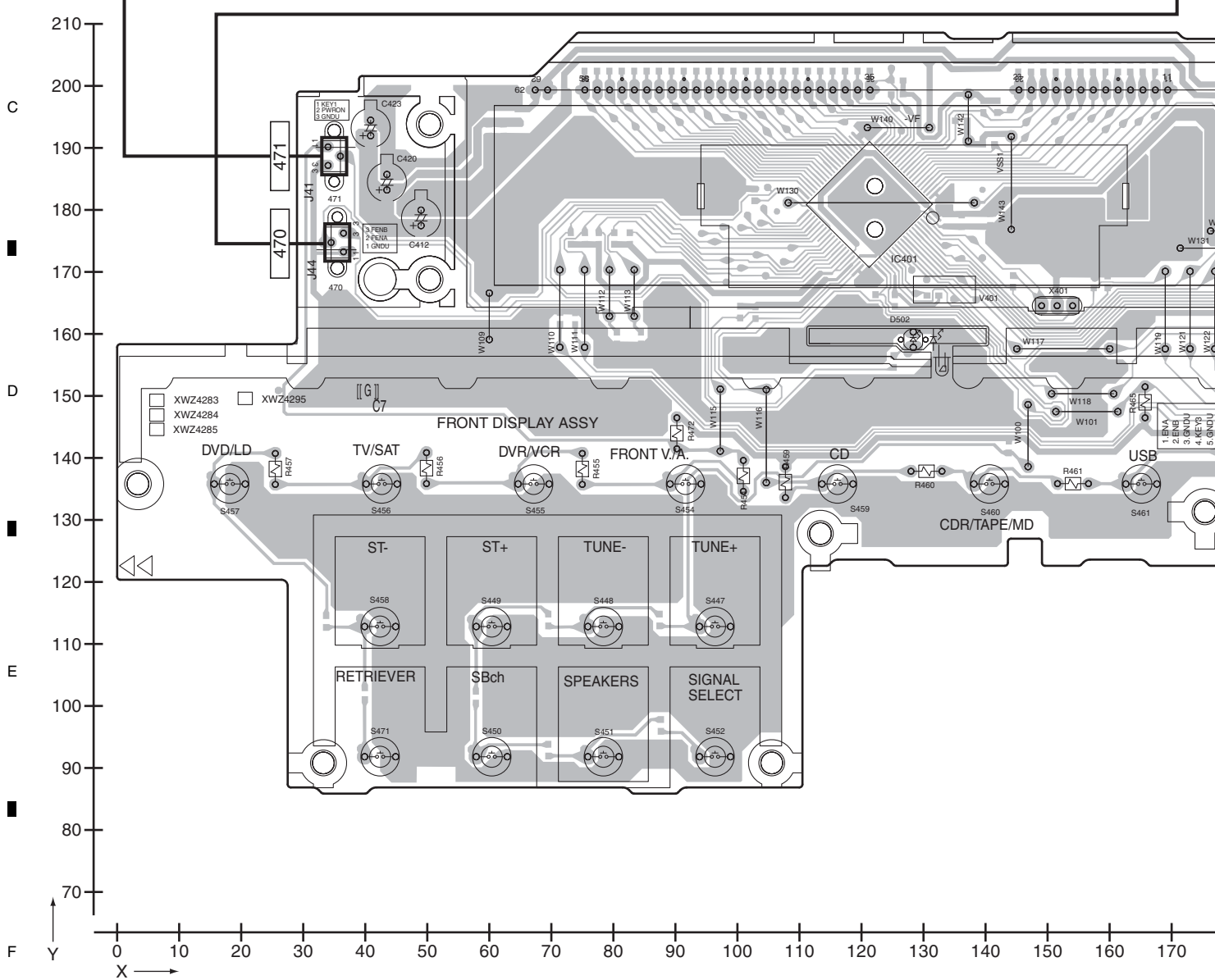
F O

11.7 FRONT DISPLAY, ROTARY ENCODER, POWER KEY and JOG ASSYS

SIDE A



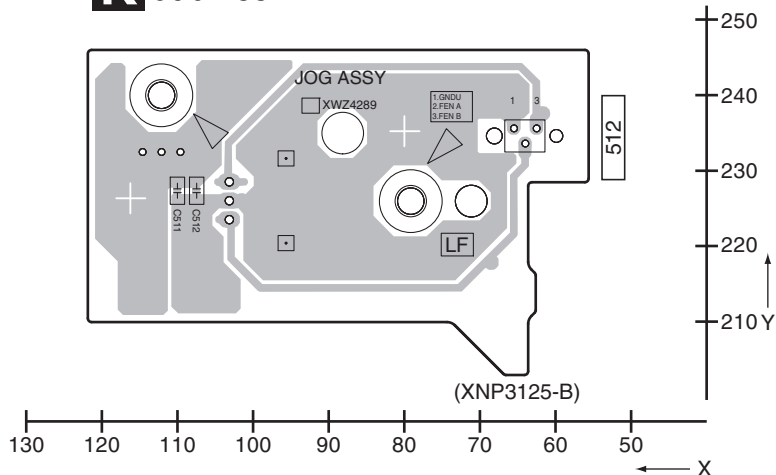
H FRONT DISPLAY ASSY



H J

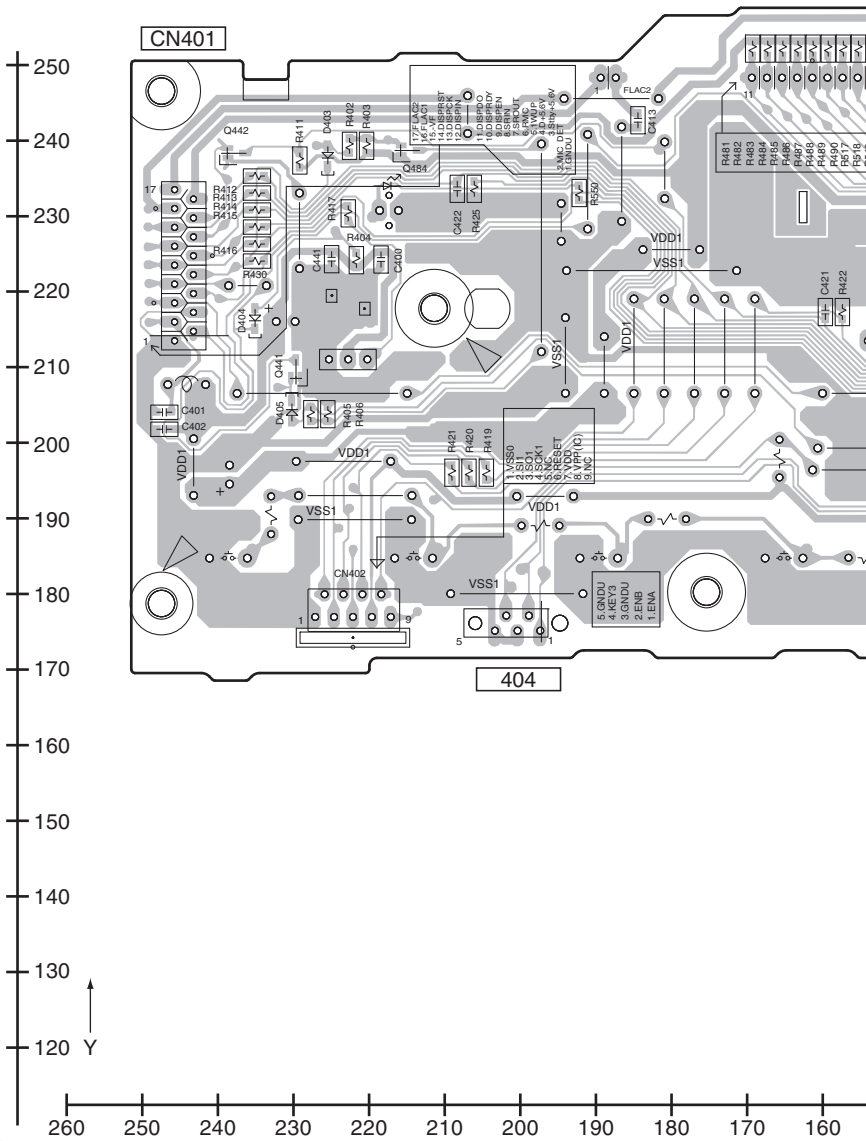
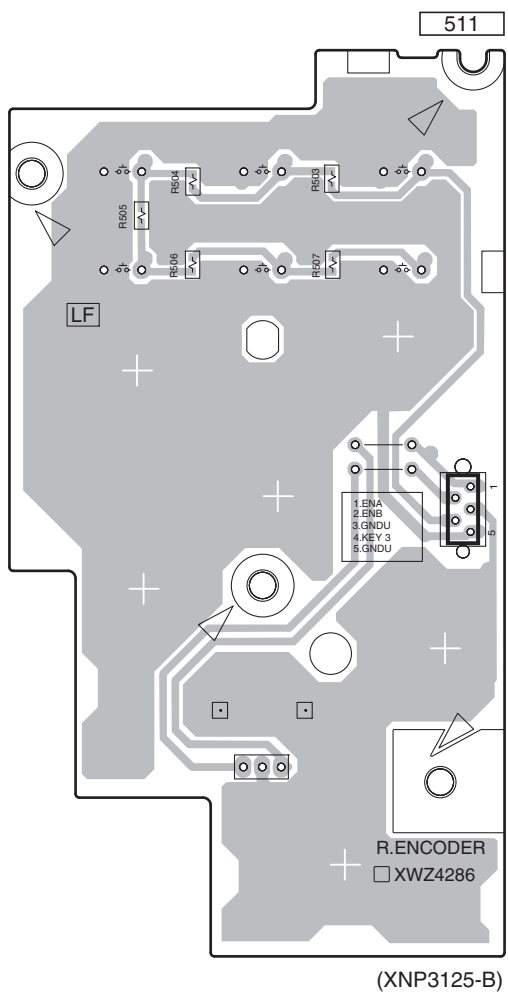
SIDE B

K JOG ASSY



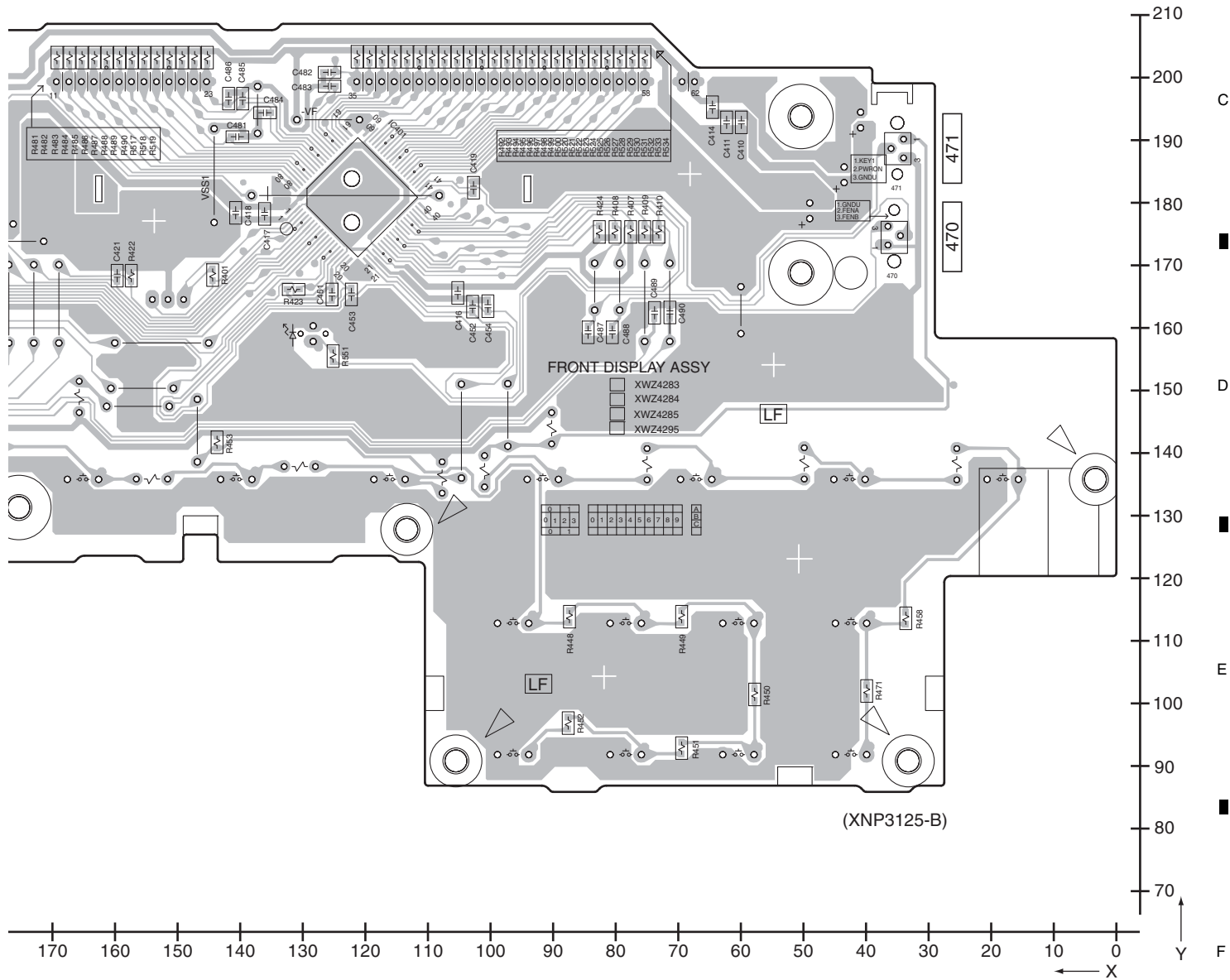
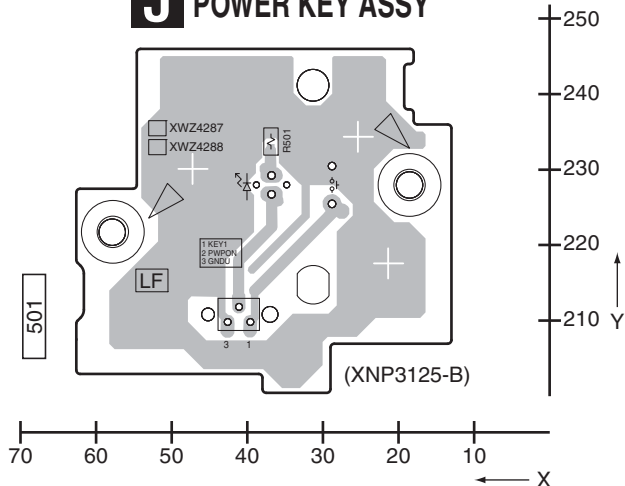
H FRONT DISPLAY ASSY

I ROTARY ENCODER ASSY



SIDE B

J POWER KEY ASSY



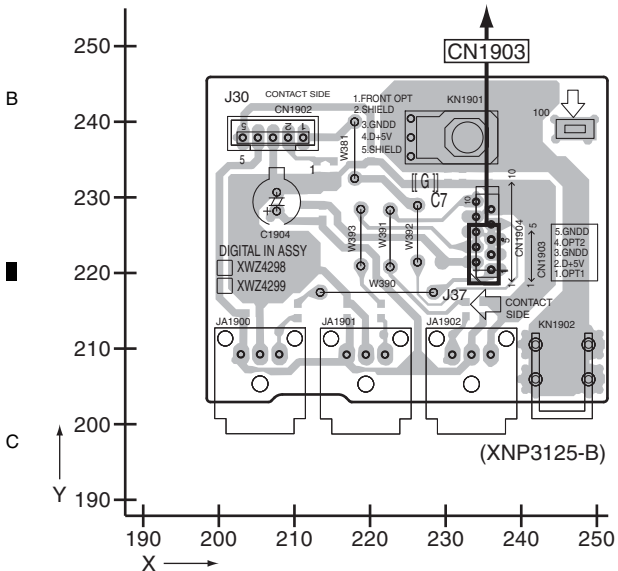
11.8 DIGITAL INPUT ASSY

SIDE A

SIDE A

M DIGITAL INPUT ASSY

B CN5

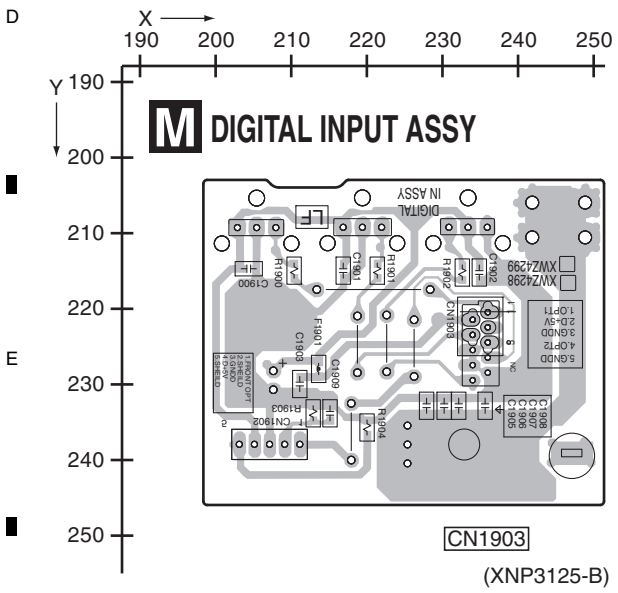


SIDE B

SIDE B

M DIGITAL INPUT ASSY

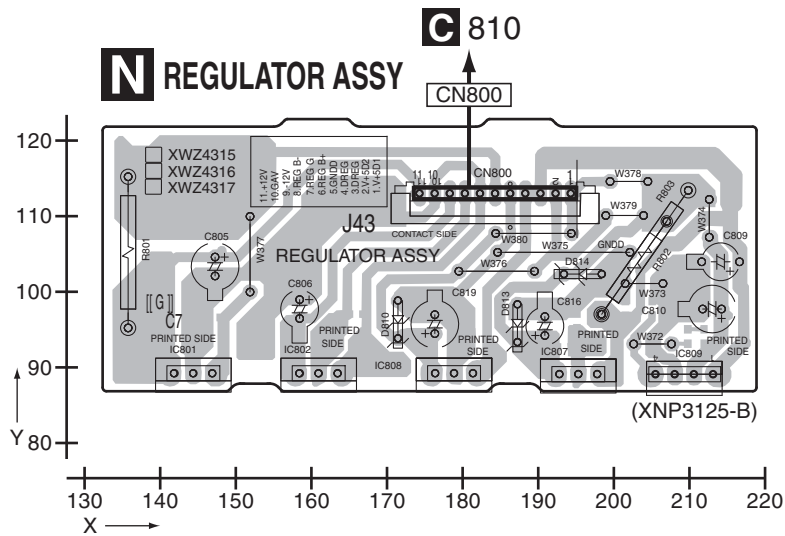
CN1903



11.9 REGULATOR ASSY

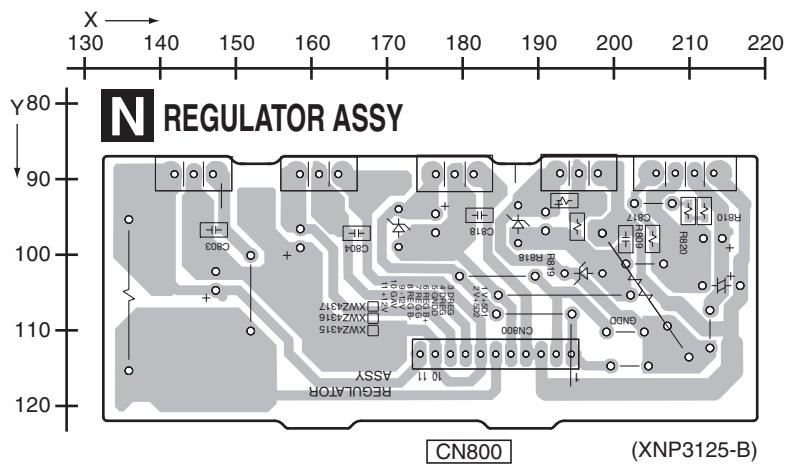
SIDE A

SIDE A



SIDE B

SIDE B



N

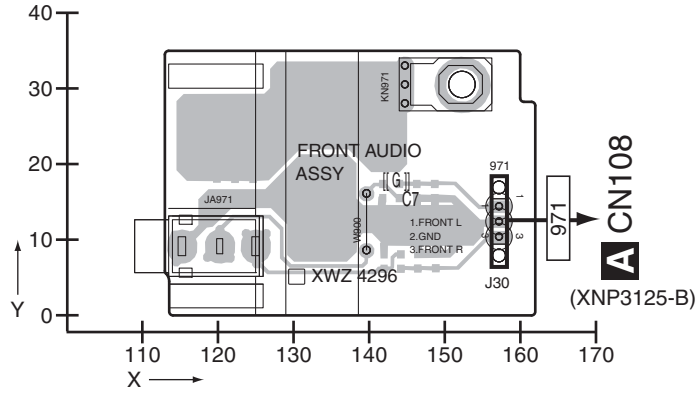
N

11.11 FRONT MINI JACK ASSY

SIDE A

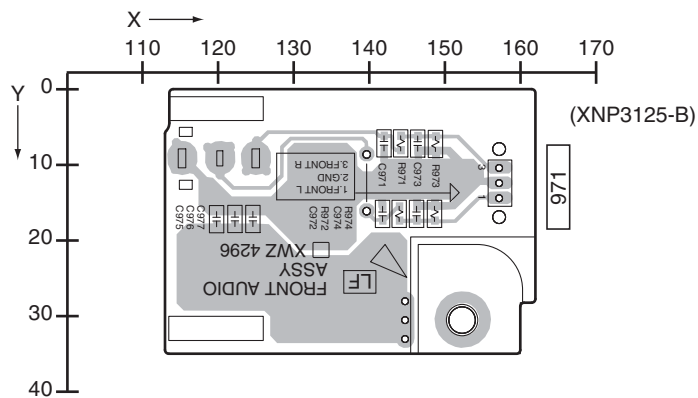
SIDE A

L FRONT MINI JACK ASSY



SIDE B

SIDE B



L FRONT MINI JACK ASSY

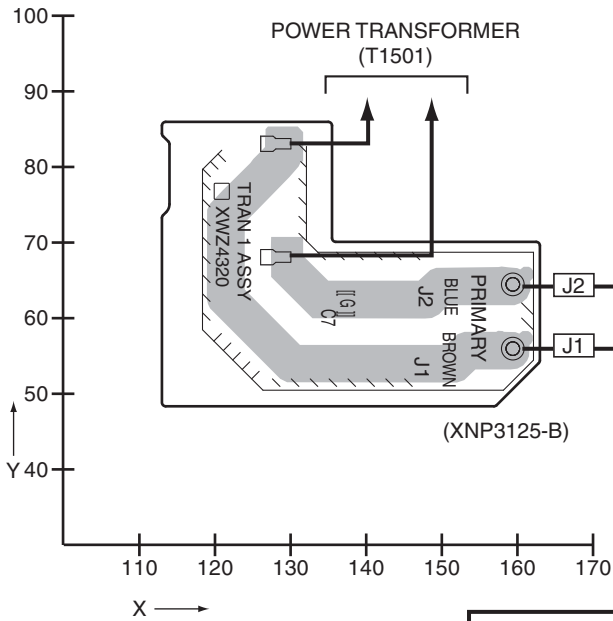


11.12 TRANS1 and PRIMARY ASSYS

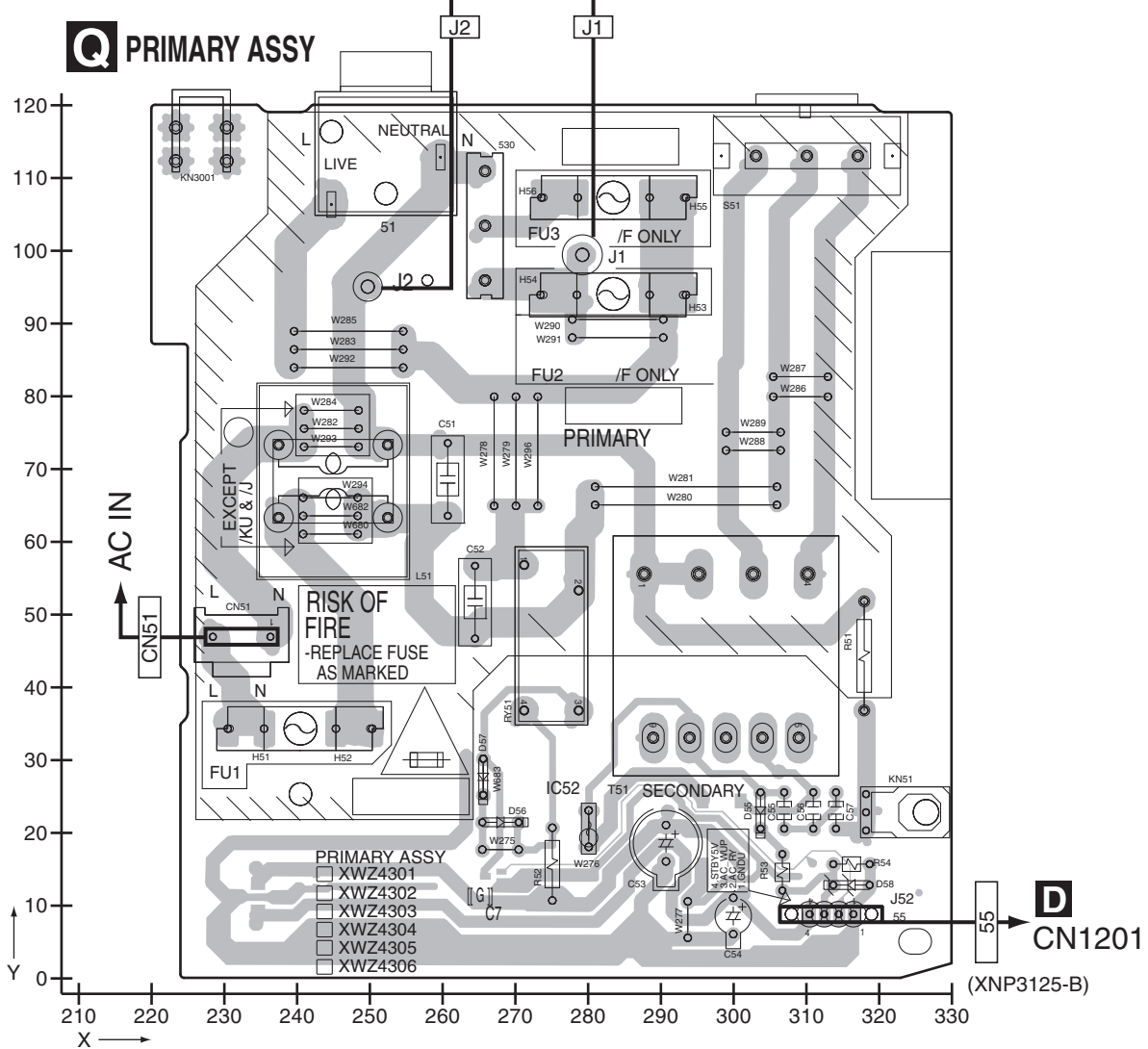
SIDE A

SIDE A

S TRANS1 ASSY



Q PRIMARY ASSY



Q S

SIDE B

SIDE B

A

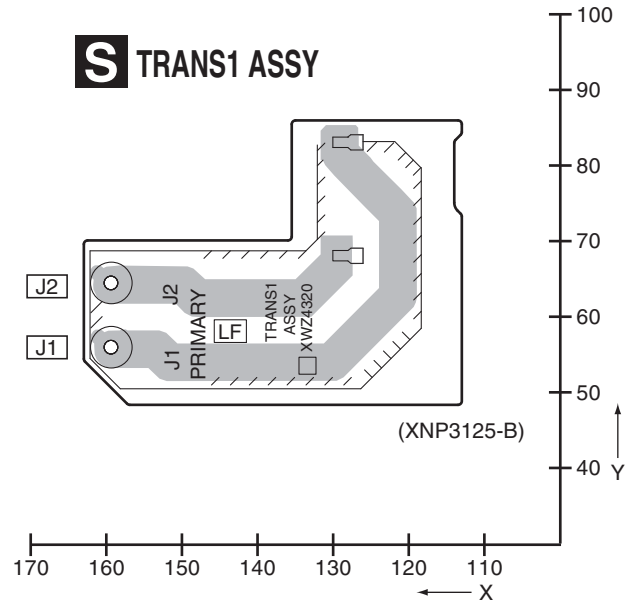
B

C

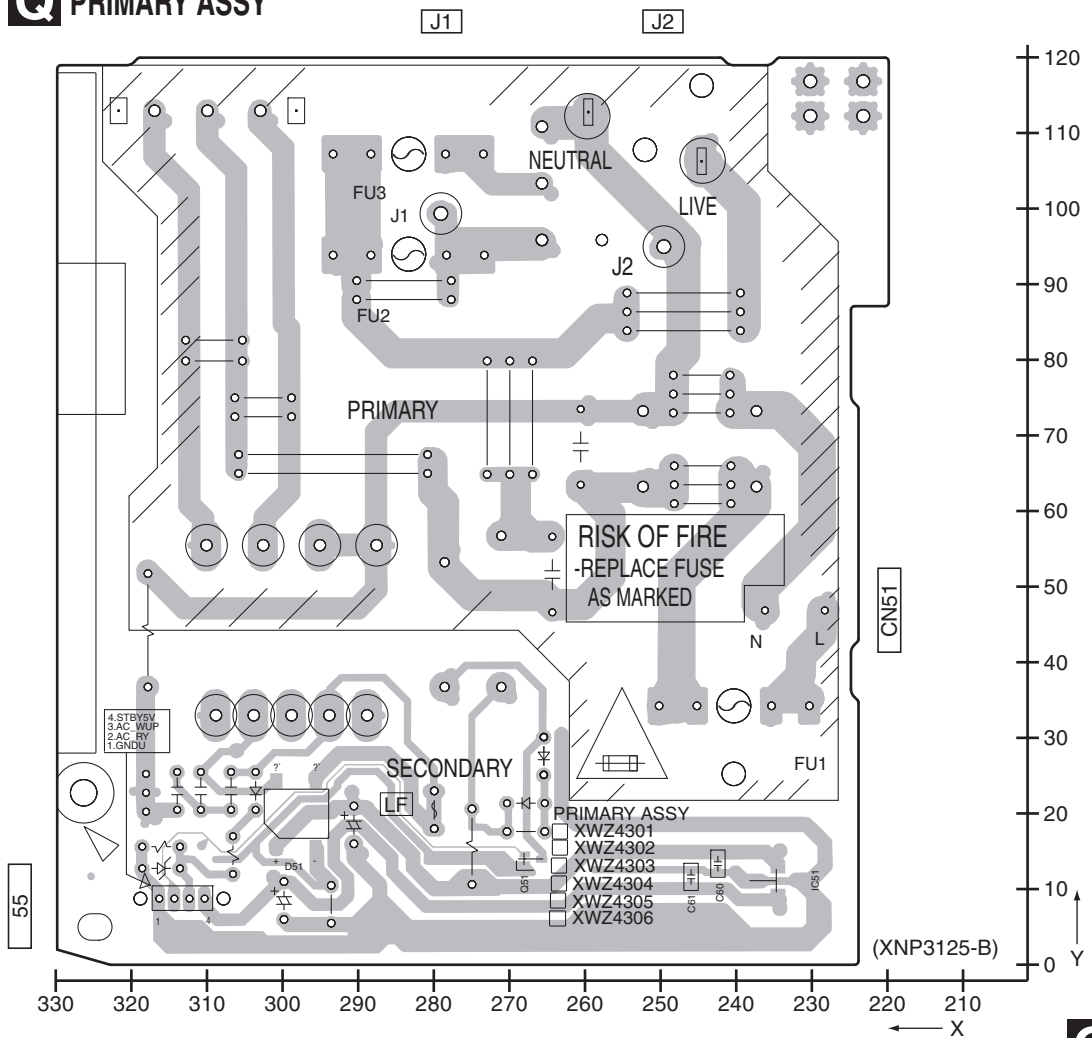
D

E

F



Q PRIMARY ASSY



12. ELECTRICAL PARTS LIST

NOTES: ● Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.

● The Δ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.

● When ordering resistors, first convert resistance values into code form as shown in the following examples.

Ex.1 When there are 2 effective digits (any digit apart from 0), such as 560 ohm and 47k ohm (tolerance is shown by J=5%, and K=10%).

560 Ω \rightarrow 56 x 10¹ \rightarrow 561 RD1/4PU 561J

47k Ω \rightarrow 47 x 10³ \rightarrow 473 RD1/4PU 473J

0.5 Ω \rightarrow R50 RN2H R50K

1 Ω \rightarrow 1R0 RS1P 1R0K

Ex.2 When there are 3 effective digits (such as in high precision metal film resistors).

5.62k Ω \rightarrow 562 x 10¹ \rightarrow 5621 RN1/4PC 5621F

● Meaning of the figures and others in the parentheses in the parts list.

Example) IC 301 is on the point (face A, 91 of x-axis, and 111 of y-axis) of the corresponding PC board.

IC 301 (A, 91, 111) IC NJM2068V

Mark No.	Description	Part No.	Mark No.	Description	Part No.
LIST OF ASSEMBLIES					
	1..MAIN ASSY	XWK3355	NSP	1..COMPLEX ASSY	XWK3331
				2..FRONT DISPLAY ASSY	XWZ4283
				2..ROTARY ENCODER ASSY	XWZ4286
	1..DSP ASSY	AWX8980		2..POWER KEY ASSY	XWZ4287
				2..JOG ASSY	XWZ4289
NSP	1..AMP ASSY	XWK3345		2..VIDEO ASSY	XWZ4290
	2..POWER PACK ASSY	XWZ4322		2..FRONT MINI JACK ASSY	XWZ4296
	2..TRANS2 ASSY	XWZ4334		2..DIGITAL INPUT ASSY	XWZ4298
	2..TRANS3 ASSY	XWZ4337		2..PRIMARY ASSY	XWZ4301
	2..COMPONENT VIDEO ASSY	XWZ4339		2..REGULATOR ASSY	XWZ4315
	2..5.1CH INPUT ASSY	XWZ4341		2..TRANS1 ASSY	XWZ4320
	2..BIND ASSY	XWZ4344		2..HEAD PHONE ASSY	XWZ4321
				1..FM/AM TUNER UNIT	AXX7210

PCB PARTS LIST

Mark No.	Description	Part No.	Mark No.	Description	Part No.
AMP ASSY					
MISCELLANEOUS					
Δ J	2 BOARD IN WIRE	XDX3071	Q	257 (A,76,112) TRANSISTOR	2SA1576A
J	41 JUMPER WIRE	D15A03-100-2651	Q	361 (A,181,72) TRANSISTOR	2SC5938A
J	42 JUMPER WIRE	D15A05-125-2651	Q	9001 (A,91,94) DIGITAL TR(SC-70)	RT1N431M
J	44 JUMPER WIRE	D15A03-100-2651	Q	9002 (A,66,80) DIGITAL TR(SC-70)	RT1P241M
			Q	9003 (A,65,75) DIGITAL TR(SC-70)	RT1P241M
			Q	9007 (A,69,85) TRANSISTOR	DTC143TK
			Q	9064 (A,59,80) DIGITAL TR(SC-70)	RT1P241M
			Q	9065 (A,55,78) TRANSISTOR	UMD2N
			D	103 (B,177,35) DIODE	DAN217U(A)
			D	105 (B,170,35) DIODE	DAN217U(A)
			D	107 (B,174,37) DIODE	DAN217U(A)
			D	251 (A,138,88) DIODE	DAN217U(A)
			D	253 (B,55,108) DIODE	UDZS27(B)(A)
			D	254 (A,72,113) DIODE	UDZS5R1(B)(A)
			D	311 (B,258,96) DIODE	1SS355(A)
			D	312 (B,269,98) DIODE	1SS355(A)
			D	331 (B,254,91) DIODE	UDZS6R8(B)(A)
			D	332 (B,271,91) DIODE	UDZS6R8(B)(A)
			D	9006 (B,99,89) DIODE	DAN217U(A)
			D	9007 (B,91,89) DIODE	DAN217U(A)
			D	9010 (A,97,93) DIODE	1SS355(A)
			D	9011 (A,60,75) DIODE	DAN202U(A)
			D	9064 (A,58,75) DIODE	DAP202U(A)
			D	9065 (A,63,80) DIODE	DAP202U(A)
			D	9068 (A,50,81) DIODE	1SS355(A)
IC	103 (A,215,73) DUAL OP-AMP	NJM4565MD			
IC	104 (A,198,56) DUAL OP-AMP	NJM4565MD			
IC	105 (A,217,87) DUAL OP-AMP	NJM4565MD			
IC	108 (B,253,65) 6CH E-VOL IC	BD3474KS2			
IC	251 (A,134,89) DUAL OP-AMP	NJM4565MD			
IC	9001 (B,82,64) SYSTEM CONTROL MICON	PEG468C			
IC	9002 (A,104,42) EEPROM	BR24L16FV-W			
Q	248 (A,53,103) TRANSISTOR	2SC4081			
Q	249 (A,61,107) TRANSISTOR	RT1N241M			
Q	250 (A,60,112) TRANSISTOR	2SC4081			
Q	252 (A,65,105) TRANSISTOR	2SD1858X			
Q	253 (A,53,99) TRANSISTOR	RT1N241M			
Q	254 (B,61,103) DIGITAL TR(SC-70)	RT1P241M			
Q	255 (A,61,99) TRANSISTOR	RT1N241M			
Q	256 (A,61,95) CHIP TRANSISTOR	2SD2704K			

<u>Mark No.</u>	<u>Description</u>	<u>Part No.</u>	<u>Mark No.</u>	<u>Description</u>	<u>Part No.</u>
L 101 (B,260,98)	CHIP SOLID INDUCTOR	QTL1013	R 245 (B,205,70)		RS1/16S332J
L 102 (B,267,97)	CHIP SOLID INDUCTOR	QTL1013	R 246 (B,205,76)		RS1/16S332J
L 5002 (A,257,104)	CHIP SOLID INDUCTOR	QTL1013	R 247 (B,207,70)		RS1/16S332J
L 9001 (A,124,102)	CHIP SOLID INDUCTOR	ATL7002	R 248 (B,207,76)		RS1/16S332J
L 9002 (A,120,103)	CHIP SOLID INDUCTOR	ATL7002	R 249 (B,214,70)		RS1/16S332J
L 9003 (A,86,97)	RADIAL INDUCTOR	LFCA2R2J	R 250 (B,214,76)		RS1/16S332J
X 9001 (A,96,53)	CERAMIC RESONATOR (15.7 MHz)	XSS3004	R 251 (B,216,70)		RS1/16S182J
CN 101 (A,41,27)	CONNECTOR	9604S-17C	R 252 (B,216,76)		RS1/16S182J
CN 102 (A,113,61)	CONNECTOR	9604S-10C	R 261 (A,189,53)		RS1/16S473J
CN 103 (A,227,17)	11P CONNECTOR	52044-1145	R 262 (A,189,59)		RS1/16S473J
CN 105 (A,266,34)	CONNECTOR	9604S-07C	R 264 (B,186,60)		RS1/16S392J
CN 108 3P JUMPER CONNECTOR		52147-0310	R 265 (B,188,53)		RS1/16S332J
CN 109 (A,213,113)	15P SOCKET	XKP3090	R 266 (B,188,60)		RS1/16S472J
CN 110 (A,169,113)	17P SOCKET	XKP3059	R 267 (B,190,53)		RS1/16S332J
CN 111 (A,274,113)	21P SOCKET	XKP3091	R 268 (B,190,60)		RS1/16S123J
CN 112 (A,91,41)	CONNECTOR	9604S-15C	R 269 (B,197,53)		RS1/16S332J
CN 125 (A,302,42)	6P PIN JACK	XKB3055	R 270 (B,197,60)		RS1/16S122J
CN 130 (A,247,13)	13P FFC CONNECTOR	9604S-13C	R 271 (B,199,53)		RS1/16S182J
CN 142 (A,302,98)	8P PIN JACK	XKB3067	R 272 (B,199,60)		RS1/16S272J
CN 251 (A,39,92)	3P JUMPER CONNECTOR	52147-0310	R 274 (B,202,60)		RS1/16S271J
CN 252 (A,37,77)	3P TOP POST	B3B-EH	R 280 (B,53,104)		RS1/16S0R0J
101 PCB BINDER		VEF1040	R 303 (B,163,37)		RS1/16S101J
			R 304 (B,158,49)		RS1/16S101J
			R 305 (B,163,49)		RS1/16S101J
			R 306 (B,164,61)		RS1/16S101J
RESISTORS					
R 103 (B,283,62)		RS1/16S222J			
R 104 (B,283,52)		RS1/16S222J	R 307 (B,165,68)		RS1/16S101J
R 105 (B,283,48)		RS1/16S331J	R 308 (B,173,73)		RS1/16S101J
R 106 (B,293,40)		RS1/16S331J	R 311 (A,258,102)	METAL OXIDE RESISTOR	RS1LMF101J
R 107 (B,283,88)		RS1/16S331J	R 312 (A,266,102)	METAL OXIDE RESISTOR	RS1LMF101J
			R 430 (A,137,91)		RS1/16S104J
R 108 (B,293,81)		RS1/16S331J			
R 109 (B,283,75)		RS1/16S331J	R 431 (A,130,95)		RS1/16S104J
R 110 (B,293,68)		RS1/16S331J	R 432 (A,130,100)		RS1/16S104J
R 111 (B,283,112)		RS1/16S222J	R 433 (A,137,99)		RS1/16S683J
R 112 (B,283,106)		RS1/16S222J	R 434 (A,136,94)		RS1/16S393J
			R 435 (A,134,97)		RS1/16S683J
R 113 (B,283,101)		RS1/16S331J			
R 114 (B,293,96)		RS1/16S331J	R 436 (A,137,102)		RS1/16S683J
R 129 (B,283,34)		RS1/16S331J	R 437 (A,53,106)		RS1/16S103J
R 130 (B,283,25)		RS1/16S331J	R 438 (A,54,110)		RS1/16S103J
R 145 (A,70,73)		RS1/16S102J	R 439 (A,56,110)		RS1/16S103J
			R 440 (A,63,113)		RS1/16S103J
R 146 (A,71,74)		RS1/16S102J			
R 147 (B,231,59)		RS1/16S102J	R 441 (A,146,94)		RS1/16S222J
R 148 (B,233,51)		RS1/16S102J	R 442 (A,149,95)		RS1/16S104J
R 149 (B,263,57)		RS1/16S104J	R 443 (B,57,108)		RS1/16S471J
R 180 (B,278,97)		RS1/16S0R0J	R 444 (A,139,91)		RS1/16S104J
			R 445 (A,55,101)		RS1/16S223J
R 181 (B,273,78)		RS1/16S0R0J			
R 182 (B,275,75)		RS1/16S0R0J	R 447 (A,65,96)		RS1/16S472J
R 183 (B,276,67)		RS1/16S0R0J	R 448 (A,70,113)		RS1/16S104J
R 201 (A,208,85)		RS1/16S473J	R 449 (A,65,113)		RS1/16S822J
R 202 (A,207,90)		RS1/16S473J	R 452 (A,153,44)		RS1/16S0R0J
			R 459 (B,139,38)		RS1/16S103J
R 205 (B,208,85)		RS1/16S392J			
R 206 (B,208,91)		RS1/16S392J	R 460 (B,139,43)		RS1/16S103J
R 207 (B,210,85)		RS1/16S392J	R 464 (A,65,100)		RS1/16S0R0J
R 208 (B,210,91)		RS1/16S392J	R 467 (A,146,36)		RS1/16S0R0J
R 209 (B,216,85)		RS1/16S392J	R 471 (A,152,51)		RS1/16S0R0J
			R 472 (A,156,63)		RS1/16S0R0J
R 210 (B,216,91)		RS1/16S392J			
R 211 (B,219,85)		RS1/16S332J	R 479 (B,142,57)		RS1/16S103J
R 212 (B,219,91)		RS1/16S332J	R 480 (B,142,62)		RS1/16S103J
R 241 (A,206,70)		RS1/16S473J	R 484 (A,173,70)		RS1/16S104J
R 242 (A,206,75)		RS1/16S473J	R 485 (A,170,77)		RS1/16S472J

Mark No.	Description	Part No.	Mark No.	Description	Part No.
R 499	(B,146,69)	RS1/16S103J	CAPACITORS		
R 500	(B,140,79)	RS1/16S103J	C 115	(B,262,98)	CKSRYB103K50
R 549	(B,159,69)	RS1/16SOR0J	C 116	(B,264,97)	CKSRYB103K50
R 550	(A,153,84)	RS1/16SOR0J	C 117	(B,283,116)	CCSRCH220J50
R 551	(A,67,113)	RS1/16S822J	C 118	(B,285,109)	CCSRCH220J50
R 9001	(B,94,54)	RS1/16SOR0J	C 121	(A,280,34)	CEAT100M50
R 9002	(A,98,94)	RS1/16S473J	C 122	(A,280,25)	CEAT100M50
R 9003	(B,92,54)	RS1/16SOR0J	C 123	(A,280,19)	CEAT100M50
R 9006	(B,103,89)	RS1/16S474J	C 124	(A,280,11)	CEAT100M50
R 9007	(B,93,89)	RS1/16S474J	C 125	(A,280,62)	CEAT100M50
R 9008	(A,80,109)	RS1/16S221J	C 126	(A,280,53)	CEAT100M50
R 9009	(A,65,85)	RS1/16S473J	C 127	(A,280,47)	CEAT100M50
R 9010	(B,107,48)	RS1/16S512J	C 128	(A,280,40)	CEAT100M50
R 9011	(A,63,76)	RS1/16S102J	C 131	(A,280,87)	CEAT100M50
R 9012	(A,63,73)	RS1/16SOR0J	C 132	(A,280,80)	CEAT100M50
R 9013	(B,112,45)	RS1/16S471J	C 133	(A,280,74)	CEAT100M50
R 9014	(B,104,54)	RS1/16S471J	C 134	(A,280,67)	CEAT100M50
R 9015	(B,102,54)	RS1/16S471J	C 135	(A,280,114)	CEAT100M50
R 9016	(B,100,54)	RS1/16S471J	C 136	(A,280,106)	CEAT100M50
R 9017	(B,98,54)	RS1/16S471J	C 137	(A,280,101)	CEAT100M50
R 9018	(B,96,54)	RS1/16S471J	C 138	(A,280,93)	CEAT100M50
R 9019	(B,98,76)	RS1/16S471J	C 139	(A,50,101)	CEAT100M50
R 9020	(B,99,76)	RS1/16S471J	C 140	(A,50,94)	CEAT100M50
R 9021	(B,101,76)	RS1/16S471J	C 141	(B,236,50)	CKSRYB104K50
R 9022	(B,103,76)	RS1/16S471J	C 145	(B,238,54)	CCSRCH101J50
R 9023	(B,112,67)	RS1/16S103J	C 146	(B,238,50)	CCSRCH101J50
R 9025	(B,103,67)	RS1/16S100J	C 147	(A,249,68)	CKSRYB103K50
R 9026	(B,106,67)	RS1/16S103J	C 148	(B,229,61)	CKSRYB223K25
R 9028	(B,118,45)	RS1/16S104J	C 149	(B,240,59)	CKSRYB473K25
R 9030	(A,68,79)	RS1/16S470J	C 150	(B,237,59)	CKSQYB154K16
R 9031	(A,65,54)	RS1/16S104J	C 151	(B,234,62)	CKSRYB103K50
R 9032	(A,62,53)	RS1/16S104J	C 152	(B,235,54)	CKSRYB223K25
R 9033	(B,89,48)	RS1/16S104J	C 153	(B,233,56)	CKSRYB473K25
R 9036	(A,90,89)	RS1/16S221J	C 154	(B,230,53)	CKSQYB154K16
R 9037	(B,75,98)	RS1/16S104J	C 155	(A,225,43)	CEAT470M25
R 9039	(A,87,57)	RS1/16S104J	C 165	(A,236,86)	CEAT1R0M50
R 9041	(B,116,45)	RS1/16S104J	C 166	(A,243,86)	CEAT1R0M50
R 9045	(A,97,46)	RS1/16S471J	C 179	(B,294,76)	CKSRYB103K50
R 9046	(A,107,46)	RS1/16S471J	C 180	(A,277,19)	CKSRYB103K50
R 9047	(A,98,46)	RS1/16S103J	C 199	(A,281,50)	CKSRYB103K50
R 9048	(A,98,43)	RS1/16S103J	C 201	(A,202,85)	CEAT2R2M50
R 9053	(A,102,29)	RS1/16S221J	C 202	(A,203,92)	CEAT2R2M50
R 9060	(B,98,68)	RS1/16S473J	C 205	(A,212,85)	CCSRCH331J50
R 9062	(B,87,48)	RS1/16S471J	C 206	(A,212,90)	CCSRCH331J50
R 9064	(A,54,74)	RS1/16S103J	C 207	(B,212,85)	CCSRCH331J50
R 9065	(A,56,74)	RS1/16S103J	C 208	(B,212,91)	CCSRCH331J50
R 9066	(A,62,72)	RS1/16S103J	C 217	(A,221,85)	CKSRYB103K50
R 9067	(A,59,83)	RS1/16S103J	C 218	(A,221,90)	CKSRYB103K50
R 9068	(A,64,71)	RS1/16SOR0J	C 241	(A,200,71)	CEAT2R2M50
R 9071	(B,70,50)	RS1/16S221J	C 242	(A,200,78)	CEAT2R2M50
R 9072	(B,64,50)	RS1/16S221J	C 245	(A,211,70)	CCSRCH331J50
R 9073	(A,74,56)	RS1/16S221J	C 246	(A,211,75)	CCSRCH331J50
R 9074	(A,79,52)	RS1/16S221J	C 247	(B,209,70)	CCSRCH331J50
R 9081	(A,119,73)	RS1/16S221J	C 248	(B,209,76)	CCSRCH331J50
R 9082	(A,121,71)	RS1/16S274J	C 251	(A,219,68)	CKSRYB103K50
R 9091	(A,132,39)	RS1/16SOR0J	C 252	(A,219,75)	CKSRYB103K50
R 9092	(A,129,38)	RS1/16SOR0J	C 253	(A,130,91)	CKSRYB103K50
R 9093	(A,133,51)	RS1/16SOR0J	C 254	(A,157,96)	CEAT101M25
			C 256	(A,135,84)	CKSRYB103K50
			C 261	(A,183,54)	CEAT2R2M50

Mark No.	Description	Part No.	Mark No.	Description	Part No.
C 262	(A,183,62)	CEAT2R2M50	L 802	(A,42,29) CHIP SOLID INDUCTOR	ATL7002
C 264	(A,191,59)	CCSRCH331J50	L 803	(A,51,42) CHIP SOLID INDUCTOR	ATL7002
C 265	(A,194,53)	CCSRCH331J50	L 804	(B,29,34) CHIP SOLID INDUCTOR	QTL1013
C 266	(A,194,59)	CCSRCH221J50	L 871	(B,69,45) CHIP SOLID INDUCTOR	QTL1013
C 267	(B,193,53)	CCSRCH331J50	L 901	(B,105,18) CHIP SOLID INDUCTOR	ATL7002
C 268	(B,193,60)	CCSRCH101J50	L 902	(B,100,18) CHIP SOLID INDUCTOR	ATL7002
C 271	(A,202,53)	CKSRYP103K50	L 952	(A,21,28) CHIP SOLID INDUCTOR	QTL1013
C 272	(A,202,58)	CKSRYP103K50	JA 501	(A,142,22) JACK	AKB7131
C 325	(A,143,39) ELECT. CAPACITOR	CEAT220M50	X 801	(A,23,22) CRYSTAL RESONATOR (24.576 MHz)	XSS3003
C 326	(A,143,46) ELECT. CAPACITOR	CEAT220M50	CN 603	(A,107,50) 5P CONNECTOR	VKN1236
C 333	(A,251,93)	CEAT101M10	CN 701	(A,83,14) 19P SOCKET	XKP3080
C 334	(A,268,81)	CEAT101M10	CN 901	(A,116,14) 13P SOCKET	XKP3077
C 345	(A,145,57) ELECT. CAPACITOR	CEAT220M50	CN 951	(A,45,14) 15P SOCKET	XKP3078
C 346	(A,145,64) ELECT. CAPACITOR	CEAT220M50			
C 362	(A,185,79)	CEAT100M50			
C 365	(A,142,73) ELECT. CAPACITOR	CEAT220M50			
C 366	(A,142,80) ELECT. CAPACITOR	CEANP4R7M50			
C 392	(B,91,97)	CKSRYP102K50			
C 1031	(A,286,65)	CCSRCH220J50			
C 1041	(B,287,55)	CCSRCH220J50			
C 5001	(B,230,10)	CKSRYP102K50			
C 5002	(B,232,10)	CKSRYP103K50			
C 5003	(B,234,10)	CKSRYP105K10			
C 5025	(A,159,11)	CKSRYP102K50			
C 5026	(A,162,12)	CKSRYP102K50			
C 5027	(A,167,14)	CKSRYP102K50			
C 5028	(A,180,15)	CCSRCH220J50			
C 9004	(B,84,88)	CKSRYP103K50			
C 9005	(A,78,106)	CEJQ2R2M50			
C 9006	(A,95,93)	CKSRYP105K10			
C 9007	(A,79,92) ELECT. CAPACITOR	CEAT331M6R3			
C 9008	(B,77,90)	CKSRYP103K50			
C 9011	(B,95,89)	CKSRYP473K16			
C 9014	(B,87,88)	CKSRYP473K16			
C 9015	(A,94,102)	CKSRYP102K50			
C 9018	(B,72,72)	CKSRYP104K50			
C 9030	(A,272,106)	CEAT101M25			
C 9081	(A,121,69)	CKSRYP103K50			
B	DSP ASSY				
	MISCELLANEOUS				
IC 601	(A,109,36) DA I/F TRANSCEIVER	AK4114VQ	R 403	(A,122,42)	RS1/16SS0R0J
IC 701	(A,77,29) CODEC IC	AK4626AVQ	R 501	(B,131,16)	RS1/16S750J
IC 801	(A,37,39) DSP IC	DSPC56371AF180	R 502	(B,134,30)	RS1/16S750J
IC 802	(A,33,26) IC	TC7WU04FU	R 516	(B,114,36)	RS1/16S100J
IC 871	(B,65,43) IC	TC7WH125FU	R 517	(B,130,30)	RS1/16S100J
△ IC 901	(B,114,24) REGULATOR IC	PQ1LAX95MSPQ	R 572	(A,92,40)	RS1/16S0R0J
△ IC 902	(A,99,24) REGULATOR IC	PQ1LAX95MSPQ	R 573	(A,91,44)	RS1/16SS0R0J
IC 952	(A,16,32) IC	TC74VHCT541AFTS1	R 574	(A,76,42)	RS1/16SS0R0J
D 701	(A,81,19) DIODE	MA152WA(A)	R 575	(A,76,40)	RS1/16SS0R0J
D 702	(B,82,18) DIODE	MA152WK(A)	R 576	(A,78,44)	RS1/16SS0R0J
D 901	(B,107,21) DIODE	UDZS5R6(B)(A)	R 604	(B,114,46)	RS1/16S104J
D 902	(B,102,20) DIODE	UDZS5R6(B)(A)	R 605	(B,112,46)	RS1/16S104J
L 601	(B,103,41) CHIP SOLID INDUCTOR	QTL1013	R 606	(B,110,46)	RS1/16S104J
L 602	(A,100,36) CHIP SOLID INDUCTOR	QTL1013	R 612	(A,117,33)	RS1/16S0R0J
L 701	(B,68,30) CHIP SOLID INDUCTOR	QTL1013	R 614	(A,102,38)	RS1/16SS101J
L 702	(A,93,22) CHIP SOLID INDUCTOR	QTL1013	R 615	(A,104,30)	RS1/16SS470J
L 801	(A,37,25) CHIP SOLID INDUCTOR	QTL1013	R 616	(A,102,34)	RS1/16SS101J
			R 617	(B,105,31)	RS1/16S101J
			R 618	(B,107,31)	RS1/16S101J
			R 620	(A,106,30)	RS1/16SS470J
			R 621	(B,108,36)	RS1/16S220J
			R 624	(A,112,28) RESISTOR ARRAY	RAB4CQ101J
			R 627	(B,112,32)	RS1/16S103J
			R 628	(A,117,38)	RS1/16S1802F
			R 665	(A,99,58)	RS1/16SS0R0J
			R 666	(A,98,58)	RS1/16SS0R0J
			R 667	(A,97,58)	RS1/16SS0R0J
			R 701	(B,78,35)	RS1/16S470J
			R 702	(B,75,35)	RS1/16S101J
			R 704	(B,70,27)	RS1/16S4R7J
			R 705	(A,60,18)	RS1/16SS101J
			R 706	(A,63,18)	RS1/16SS101J
			R 707	(A,65,18)	RS1/16SS101J
			R 708	(A,68,18)	RS1/16SS101J
			R 709	(A,70,18)	RS1/16SS101J
			R 710	(A,73,18)	RS1/16SS101J
			R 711	(A,75,18)	RS1/16SS101J
			R 712	(A,78,18)	RS1/16SS101J
			R 713	(A,86,30)	RS1/16S470J
			R 714	(A,85,36) RESISTOR ARRAY	RAB4CQ101J
			R 801	(A,48,48)	RS1/16SS470J
			R 802	(A,40,50) RESISTOR ARRAY	RAB4CQ101J
			R 803	(B,44,48)	RS1/16S103J
			R 804	(B,42,48)	RS1/16S103J
			R 805	(B,39,42)	RS1/16S103J

Mark No.	Description	Part No.	Mark No.	Description	Part No.
			C 706	(B,66,26)	CKSRYB104K16
			C 707	(B,60,19)	CKSRYB471K50
			C 708	(B,63,19)	CKSRYB471K50
			C 709	(B,65,19)	CKSRYB471K50
A	R 806 (B,37,42)	RS1/16S103J			
	R 807 (B,35,42)	RS1/16S473J			
	R 810 (A,26,39)	RS1/16SS473J			
	R 811 (A,24,37)	RS1/16SS472J			
	R 812 (B,27,43)	RS1/16S101J			
			C 710	(B,68,19)	CKSRYB471K50
			C 711	(B,70,19)	CKSRYB471K50
	R 813 (A,24,34)	RS1/16SS103J	C 712	(B,73,19)	CKSRYB471K50
	R 815 (A,25,26)	RS1/16SS105J	C 713	(B,75,19)	CKSRYB471K50
	R 816 (A,23,26)	RS1/16SS471J	C 714	(B,78,19)	CKSRYB471K50
	R 817 (A,34,28)	RS1/16SS101J			
	R 818 (B,35,23)	RS1/16S220J			
			C 715	(A,90,29)	CEVW101M16
			C 716	(A,86,27)	CKSRYB104K16
	R 819 (B,26,29)	RS1/16S101J	C 717	(A,85,27)	CKSSYB471K50
	R 820 (B,28,29)	RS1/16SOR0J	C 718	(A,87,20)	CEVW470M6R3
B	R 822 (B,36,30)	RS1/16S103J	C 720	(A,85,24)	CKSSYB104K10
	R 823 (B,36,36)	RS1/16S473J			
	R 827 (B,48,38)	RS1/16S470J			
			C 763	(B,53,36)	CKSRYB471K50
			C 764	(B,55,36)	CKSRYB104K16
	R 831 (B,42,31)	RS1/16S470J	C 802	(A,42,50)	CKSSYB104K10
	R 832 (A,47,41)	RS1/16SS470J	C 803	(A,37,49)	CKSSYB471K50
	R 833 (A,48,45) RESISTOR ARRAY	RAB4CQ470J	C 804	(A,37,50)	CKSSYB104K10
	R 840 (A,24,33)	RS1/16SS101J			
	R 841 (A,67,38)	RS1/16S473J			
			C 806	(A,31,50)	CKSSYB104K10
			C 808	(A,26,43)	CKSSYB104K10
	R 852 (B,43,27)	RS1/16S222J	C 809	(A,27,41)	CKSSYB471K50
	R 871 (B,59,36)	RS1/16S470J	C 810	(A,26,41)	CKSSYB104K10
	R 872 (B,61,36)	RS1/16S470J	C 814	(A,27,33)	CKSSYB471K50
C	R 873 (B,61,44)	RS1/16S470J			
	R 874 (B,59,44)	RS1/16S470J			
			C 815	(A,25,33)	CKSSYB104K10
			C 816	(A,21,26)	CGSSCH5R0C50
	R 905 (B,118,17)	RS1/16S104J	C 817	(A,27,26)	CGSSCH5R0C50
	R 906 (B,120,15)	RS1/16S104J	C 818	(A,35,23)	CCSRCH471J50
	R 908 (A,123,13)	RS1/16SS0R0J	C 819	(A,35,22)	CKSSYB104K10
	R 919 (A,113,20)	RS1/16S1202F			
	R 920 (A,115,20)	RS1/16S2002F			
			C 821	(A,30,30)	CKSSYB471K50
			C 822	(A,30,29)	CKSSYB104K10
	R 921 (A,101,20)	RS1/16S1202F	C 823	(A,32,30)	CKSSYB471K50
	R 922 (A,98,20) CHIP RESISTOR	RS1/16S1000F	C 824	(A,32,28)	CKSSYB104K10
	R 951 (B,25,33)	RS1/16S101J	C 825	(B,32,39)	CKSRYB103K50
	R 952 (B,23,33)	RS1/16S101J			
D	R 953 (B,21,33)	RS1/16S101J			
			C 826	(A,38,29)	CKSSYB471K50
			C 827	(A,38,28)	CKSSYB104K10
	R 954 (A,17,26) RESISTOR ARRAY	RAB4CQ101J	C 829	(A,47,36)	CKSSYB104K10
	R 955 (A,14,26) RESISTOR ARRAY	RAB4CQ101J	C 830	(A,47,39)	CKSSYB471K50
	R 962 (A,32,18) RESISTOR ARRAY	RAB4CQ104J	C 831	(A,48,39)	CKSSYB104K10
	R 970 (A,37,18) RESISTOR ARRAY	RAB4CQ104J			
	R 981 (A,14,38)	RS1/16SS0R0J			
			C 833	(A,48,43)	CKSSYB104K10
			C 834	(A,41,23)	CEVW101M16
	R 982 (A,15,38)	RS1/16SS0R0J	C 835	(A,57,42) CHIP ELECT.CAPACITOR	CEVW101M4
			C 872	(B,70,41)	CKSRYB104K16
			C 907	(B,110,23)	CKSRYB105K16
			C 908	(A,115,22)	CKSRYB105K16
			C 909	(B,97,26)	CKSRYB105K16
E	C 503 (B,127,16)	CKSRYB103K50	C 910	(B,97,22)	CKSRYB105K16
	C 504 (B,132,30)	CKSRYB103K50	C 916	(B,69,34)	CKSRYB471K50
	C 606 (A,102,40)	CKSRYB104K16	C 917	(B,71,34)	CKSRYB103K50
	C 607 (A,96,39)	CEVW470M6R3			
	C 608 (A,101,36)	CCSRCH471J50			
			C 918	(B,81,36)	CKSRYB104K16
	C 609 (A,102,36)	CKSRYB104K16	C 919	(B,82,36)	CKSRYB471K50
	C 614 (B,110,32)	CKSRYB104K16	C 955	(A,22,31)	CKSRYB104K16
	C 617 (B,114,32)	CKSRYB102K50			
	C 618 (A,117,28)	CEVW470M6R3			
	C 619 (A,118,35)	CKSSYB104K10			
	C 620 (A,116,35)	CCSRCH471J50			
	C 621 (A,116,38)	CKSRYB474K10			
	C 701 (A,67,32)	CKSSYB103K16			
F	C 703 (A,64,23)	CEVW101M16			
	C 704 (A,67,29)	CKSRYB104K16			
	C 705 (A,68,30)	CCSSCH101J50			

CAPACITORS**POWER PACK ASSY****MISCELLANEOUS**

△ IC 601	(A,265,14) 2CH POWER IC	PAC014A
△ IC 603	(A,137,14) 3CH POWER IC	PAC015A
△ IC 610	(A,59,28) PROTECTOR(1A)	AEK7009
△ IC 701	(A,100,80) IC PROTECTOR	ICP-N10

Mark No.	Description	Part No.	Mark No.	Description	Part No.
△ IC 702	(A,84,81) IC PROTECTOR	ICP-N10	L 752	(A,173,108) COIL	ATH1004
			L 753	(A,120,107) COIL	ATH1004
△ IC 803	(B,238,93) IC	BA05FP	L 761	(A,130,108) COIL	ATH1004
△ IC 804	(A,279,111) REGULATOR IC	KIA7809API	L 762	(A,142,108) COIL	ATH1004
△ IC 805	(B,270,132) LDO REGULATOR(5V)	NJM2831F05	J 43	11P PARALLEL WIRE	XDX3066
Q 501	(B,91,38) TRANSISTOR	2SC5938A	KN 601	(A,65,23) WRAPPING TERMINAL	VNF1084
Q 505	(A,116,47) TRANSISTOR	2SC2240	RY 501	(A,75,132) RELAY	ASR7001
Q 601	(B,94,44) TRANSISTOR	2SC5938A	RY 751	(A,173,130) RELAY	ASR7001
Q 602	(B,224,43) TRANSISTOR	2SC5938A	RY 752	(A,141,126) RELAY	ASR7001
Q 605	(A,123,40) TRANSISTOR	2SC2240	RY 753	(A,117,120) RELAY	ASR7001
Q 606	(A,252,40) TRANSISTOR	2SC2240	CN 701	(A,212,134) 11PJUMPER CONNECTOR	52147-1110
Q 652	(B,219,37) TRANSISTOR	2SC5938A	CN 702	(A,200,106) 6P JUMPER CONNECTOR	52147-0610
Q 656	(A,244,47) TRANSISTOR	2SC2240	CN 704	(A,290,45) 17P PLUG	XKM3007
Q 681	(B,82,48) TRANSISTOR	2SC5938A	CN 751	SP TERMINAL 4-P(V0)	XKE3041
Q 683	(A,59,65) TRANSISTOR	2SC2240	CN 752	SP TERMINAL 6-P(V0)	XKE3049
Q 696	(B,282,24) TRANSISTOR	2SC4081	CN 803	(A,224,129) 6P PLUG	KM200TA6
Q 697	(B,282,29) TRANSISTOR	2SC4081	CN 805	(A,317,153) 13P PLUG	XKP3066
Q 698	(B,246,67) TRANSISTOR	RT1N241M	CN 807	(A,317,82) 15P PLUG	XKP3067
△ Q 701	(A,110,72) TRANSISTOR	2SC5511	CN 813	(A,310,38) CONNECTOR	9604S-15C
△ Q 702	(A,96,86) TRANSISTOR	2SA2005	CN 815	(A,290,89) 15P PLUG	XKM3010
Q 703	(A,155,76) TRANSISTOR	2SA1145	CN 816	(A,290,126) 21P PLUG	XKM3011
Q 704	(A,166,79) TRANSISTOR	2SC2240	CN 827	19P PLUG	XKP3069
Q 721	(A,142,72) TRANSISTOR	2SA1145	810	(A,277,90) 11P CABLE HOLDER	51048-1100
Q 722	(A,161,74) TRANSISTOR	2SC2240			
Q 724	(B,291,72) TRANSISTOR	RT1N241M			
Q 803	(B,265,141) DIGITAL TR(SC-70)	RT1P241M			
Q 804	(B,268,141) TRANSISTOR	RT1N241M			
Q 805	(B,274,143) DIGITAL TR(SC-70)	RT1P241M			
Q 806	(B,267,146) TRANSISTOR	RT1N241M			
Q 807	(B,276,53) TRANSISTOR	RT3P22M			
Q 808	(B,283,57) TRANSISTOR	RT3N22M			
D 601	(A,127,57) DIODE	1SS133(A)	R 601	(A,99,48)	RD1/4PU102J
D 603	(A,121,57) DIODE	1SS133(A)	R 602	(A,228,42)	RD1/4PU102J
D 606	(A,260,57) DIODE	1SS133(A)	R 603	(B,96,47)	RS1/16S103J
D 608	(A,253,52) DIODE	1SS133(A)	R 604	(B,225,47)	RS1/16S103J
D 652	(A,262,57) DIODE	1SS133(A)	R 609	(A,96,35)	RD1/4PU563J
D 654	(A,242,52) DIODE	1SS133(A)	R 610	(A,225,35)	RD1/4PU563J
D 683	(A,132,57) DIODE	1SS133(A)	R 611	(A,95,28)	RD1/4PU182J
D 684	(A,65,72) DIODE	1SS133(A)	R 612	(A,223,28)	RD1/4PU182J
D 701	(A,9,88) DIODE	D5SBA20(B)(A)	R 613	(A,119,21)	RD1/4PU563J
D 711	(A,195,103) ZENER DIODE	MTZJ22D(A)	R 614	(A,247,21)	RD1/4PU563J
D 712	(A,191,103) DIODE	MTZJ6R8(B)(A)	R 615	(A,128,36)	RD1/4PU331J
D 713	(A,114,77) DIODE	1SS133(A)	△ R 617	(A,119,31) RESISTOR (0.22, 5W)	ACN7094
D 741	(B,152,136) DIODE	1SS355(A)	R 619	(A,124,52)	RD1/4PU182J
D 742	(B,167,140) DIODE	1SS355(A)	R 620	(A,257,36)	RD1/4PU331J
D 743	(B,121,129) DIODE	1SS355(A)	R 621	(A,129,49)	RD1/4PU821J
D 744	(B,138,139) DIODE	1SS355(A)	△ R 622	(A,248,31) RESISTOR (0.22, 5W)	ACN7094
D 745	(B,115,129) DIODE	1SS355(A)	R 623	(A,121,48)	RD1/4PU223J
D 752	(B,170,135) DIODE	1SS355(A)	R 624	(A,257,52)	RD1/4PU182J
D 754	(B,141,132) DIODE	1SS355(A)	R 626	(A,258,49)	RD1/4PU821J
D 758	(B,73,136) DIODE	1SS355(A)	R 628	(A,250,48)	RD1/4PU223J
D 777	(A,130,57) DIODE	1SS133(A)	R 652	(A,215,36)	RD1/4PU102J
D 778	(A,110,57) DIODE	1SS133(A)	R 654	(B,219,41)	RS1/16S103J
D 801	(B,222,113) BRIDGE DIODE	S1WB(A)60SD(A)	R 660	(A,220,29)	RD1/4PU563J
D 806	(A,283,65) DIODE	MTZJ6R2(B)(A)	R 662	(A,216,20)	RD1/4PU182J
D 807	(A,280,70) DIODE	1SS133(A)	R 664	(A,238,21)	RD1/4PU563J
D 827	(A,262,132) DIODE	MTZJ6R2(B)(A)	R 666	(A,240,35)	RD1/4PU331J
D 828	(A,227,99) DIODE	MTZJ6R2(B)(A)	△ R 668	(A,239,31) RESISTOR (0.22, 5W)	ACN7094
D 829	(A,239,128) DIODE	D3SBA20(B)(A)	R 670	(A,245,52)	RD1/4PU182J
L 751	(A,160,108) COIL	ATH1004	R 672	(A,240,57)	RD1/4PU821J
			R 674	(A,236,38)	RD1/4PU223J
			R 681	(A,73,51)	RD1/4PU102J
			R 682	(B,77,49)	RS1/16S103J
			R 685	(B,80,37)	RS1/16S563J
			R 686	(B,85,21)	RS1/16S182J
			R 687	(A,88,11)	RD1/4PU563J

RESISTORS

Mark No.	Description	Part No.	Mark No.	Description	Part No.
	R 690 (A,60,52)	RD1/4PU331J	R 808 (B,279,53)		RS1/16S102J
A	△ R 691 (A,55,55) RESISTOR (0.22, 5W)	ACN7094	R 813 (B,273,131)		RS1/16S102J
	R 692 (A,70,72)	RD1/4PU182J	R 885 (B,310,60)		RS1/16S221J
	R 693 (A,67,77)	RD1/4PU821J	R 886 (B,310,64)		RS1/16S221J
	R 694 (A,62,72)	RD1/4PU223J	R 887 (B,310,68)		RS1/16S221J
	R 696 (B,281,38)	RS1/16S103J	R 888 (B,324,76)		RS1/16S221J
	R 697 (B,255,68)	RS1/16S103J	R 1101 (B,273,68)		RS1/16S0R0J
	R 698 (B,243,67)	RS1/16S333J	R 1102 (B,274,61)		RS1/16S0R0J
	R 701 (A,122,85)	RD1/4PU472J	R 1103 (B,70,136)		RS1/16S0R0J
	R 702 (A,109,87)	RD1/4PU472J	R 1104 (B,138,132)		RS1/16S0R0J
	R 703 (A,151,72)	RD1/4PU392J	R 1105 (B,168,135)		RS1/16S0R0J
	R 704 (A,148,77)	RD1/4PU392J			
B	R 705 (A,281,82)	RD1/4PU473J	R 1109 (B,285,58)		RS1/16S0R0J
	R 706 (A,277,83)	RD1/4PU473J			
	R 707 (A,133,80)	RD1/4PU184J			
	R 708 (A,147,81)	RD1/4PU184J			
	△ R 709 (A,104,72) METAL OXIDE RESISTOR	RS1LMF272J			
	△ R 710 (A,89,93) METAL OXIDE RESISTOR	RS1LMF272J			
	△ R 711 (A,181,86) METAL OXIDE RESISTOR	RS2LMF242J			
	R 713 (A,114,85)	RD1/4PU102J			
	R 721 (A,145,77)	RD1/4PU103J			
	R 722 (A,125,78)	RD1/4PU103J			
	R 723 (A,271,78)	RD1/4PU473J			
C	R 724 (A,274,83)	RD1/4PU473J			
	R 725 (A,276,74)	RD1/4PU103J			
	R 726 (B,286,62)	RS1/16S473J			
	R 727 (B,283,62)	RS1/16S103J			
	R 728 (B,106,9)	RS1/16S683J			
	R 730 (B,214,14)	RS1/16S683J			
	R 731 (A,122,73)	RD1/4PU220J			
	R 732 (A,101,89)	RD1/4PU220J			
	R 740 (B,87,141)	RS1/16S683J			
	R 741 (B,152,140)	RS1/16S472J			
	R 742 (B,169,143)	RS1/16S472J			
D	R 743 (B,121,134)	RS1/16S472J			
	R 744 (B,137,143)	RS1/16S472J			
	R 745 (B,110,131)	RS1/16S472J			
	△ R 751 (A,158,119) CARBON FILM RESISTOR	RD1/4PUF101J			
	△ R 752 (A,185,120) CARBON FILM RESISTOR	RD1/4PUF101J			
	△ R 753 (A,156,126) METAL OXIDE RESISTOR	RS1LMF4R7J			
	△ R 754 (A,181,126) METAL OXIDE RESISTOR	RS1LMF4R7J			
	△ R 755 (A,103,117) CARBON FILM RESISTOR	RD1/4PUF101J			
	△ R 756 (A,101,126) METAL OXIDE RESISTOR	RS1LMF4R7J			
	△ R 761 (A,125,117) CARBON FILM RESISTOR	RD1/4PUF101J			
	△ R 762 (A,155,119) CARBON FILM RESISTOR	RD1/4PUF101J			
E	△ R 763 (A,124,132) METAL OXIDE RESISTOR	RS1LMF4R7J			
	△ R 764 (A,149,139) METAL OXIDE RESISTOR	RS1LMF4R7J			
	R 777 (A,86,37)	RD1/4PU102J			
	R 778 (B,90,42)	RS1/16S103J			
	R 781 (A,92,30)	RD1/4PU563J			
	R 782 (A,89,22)	RD1/4PU182J			
	R 783 (A,109,21)	RD1/4PU563J			
	R 784 (A,116,35)	RD1/4PU331J			
	△ R 785 (A,110,31) RESISTOR (0.22, 5W)	ACN7094			
	R 786 (A,113,57)	RD1/4PU182J			
F	R 787 (A,106,59)	RD1/4PU821J			
	R 788 (A,107,38)	RD1/4PU223J			
	R 806 (B,280,48)	RS1/16S103J			
	R 807 (B,278,48)	RS1/16S103J			

CAPACITORS

C 603 (B,99,39)	CKSRyb331K50
C 604 (B,227,38)	CKSRyb331K50
C 605 (A,101,38)	CEAT4R7M50
C 606 (A,230,38)	CEAT4R7M50
C 607 (B,100,20)	CCSRCH470J50
C 608 (B,230,17)	CCSRCH470J50
C 609 (A,96,32)	CEAT101M16
C 610 (A,225,32)	CEAT101M16
C 613 (B,121,27)	CCSRCJ3ROC50
C 614 (B,250,28)	CCSRCJ3ROC50
C 615 (A,121,45)	CEANP2R2M50
C 616 (A,250,45)	CEANP2R2M50
C 654 (B,217,33)	CKSRyb331K50
C 656 (A,215,33)	CEAT4R7M50
C 658 (B,221,17)	CCSRCH470J50
C 660 (A,219,25)	CEAT101M16
C 664 (B,241,24)	CCSRCJ3ROC50
C 666 (A,239,49)	CEANP2R2M50
C 682 (B,80,43)	CKSRyb331K50
C 683 (A,83,43)	CEAT4R7M50
C 684 (B,87,18)	CCSRCH470J50
C 685 (A,83,37)	CEAT101M16
C 687 (B,87,8)	CCSRCJ3ROC50
C 688 (A,75,78)	CEANP2R2M50
C 696 (B,281,36)	CKSRyb102K50
C 697 (A,286,29)	CEAT221M6R3
C 701 (A,49,80) E-CAP 5600/71	XCH3027
C 702 (A,49,107) E-CAP 5600/71	XCH3027
C 705 (A,156,81) ELECT. CAPACITOR	CEAT100M2A
C 706 (A,142,84) ELECT. CAPACITOR	CEAT100M2A
C 711 (A,195,99) ELECT. CAPACITOR	CEAT101M35
C 712 (A,188,105)	CEAT101M10
C 740 (A,90,136)	CEAT101M25
C 751 (A,159,143) FILM CAPACITOR	CQMBa104J50
C 752 (A,181,150) FILM CAPACITOR	CQMBa104J50
C 755 (A,103,147) FILM CAPACITOR	CQMBa104J50
C 761 (A,122,139) FILM CAPACITOR	CQMBa104J50
C 762 (A,152,145) FILM CAPACITOR	CQMBa104J50
C 778 (B,89,34)	CKSRyb331K50
C 779 (A,86,33)	CEAT4R7M50
C 780 (B,93,18)	CCSRCH470J50
C 781 (A,92,27)	CEAT101M16
C 783 (B,112,24)	CCSRCJ3ROC50
C 784 (A,110,48)	CEANP2R2M50
C 801 (A,248,114) ELECT. CAPACITOR	CEAT222M25

Mark No.	Description	Part No.
C 802 (A,249,100)	ELECT. CAPACITOR	CEAT222M25
C 806 (B,281,53)		CKSRYP105K16
C 807 (B,233,89)		CKSRYP103K25
C 808 (A,245,142)	ELECT. CAPACITOR	CEAT472M16
C 809 (A,232,95)		CEAT101M10
C 810 (A,266,133)		CEAT101M10
C 811 (B,276,128)		CKSRYP103K25
C 812 (B,272,111)		CKSRYP103K25
C 813 (A,272,118)		CEAT101M16
C 850 (A,210,92)		CEAT101M10
C 860 (A,282,159)		CEAT101M25
C 870 (B,249,134)		CKSRYP104K50

D TRANS2 ASSY MISCELLANEOUS

△ IC 853 (A,32,204)	PROTECTOR(4A)	AEK7018
J 21	JUMPER WIRE 11P	D20PYY1130E
CN 1201 (A,35,183)	4P JUMPER CONNECTOR	52147-0410
851 (A,49,207)	11P CABLE HOLDER	51048-1100

E COMPONENT VIDEO ASSY MISCELLANEOUS

IC 551 (B,240,208)	LOGIC IC	TC74HC4052AF
IC 552 (B,260,214)	LOGIC IC	TC74HC4052AF
IC 553 (B,213,206)	VIDEO IC	NJM2581M
JA 551 (A,253,178)	6P RCA PINJACK	XKB3025
JA 552 (A,211,178)	6P RCA PINJACK	XKB3025
CN 551 (A,196,213)	CONNECTOR	9604S-07C
390 (A,235,239)	PCB BINDER	VEF1040

RESISTORS

R 553 (B,242,194)	RS1/16S750J
R 554 (B,256,193)	RS1/16S750J
R 555 (B,270,193)	RS1/16S750J
R 556 (B,237,194)	RS1/16S750J
R 557 (B,251,196)	RS1/16S750J
R 558 (B,266,186)	RS1/16S750J
R 559 (B,199,196)	RS1/16S750J
R 560 (B,220,195)	RS1/16S750J
R 561 (B,228,193)	RS1/16S750J
R 562 (B,193,195)	RS1/16S750J
R 563 (B,217,199)	RS1/16S750J
R 564 (B,218,195)	RS1/16S750J
R 566 (B,243,218)	RS1/16S102J
R 567 (B,248,202)	RS1/16S102J
R 568 (B,248,204)	RS1/16S102J
R 569 (B,250,218)	RS1/16S102J
R 571 (B,254,228)	RS1/16S102J
R 572 (B,254,226)	RS1/16S102J
R 573 (B,229,202)	RS1/16S0R0J
R 574 (B,264,202)	RS1/16S0R0J
R 581 (B,247,209)	RS1/16S222J
R 582 (A,245,221)	RD1/4PU222J

CAPACITORS

C 567 (B,262,186)	CKSRYP103K50
C 568 (B,204,186)	CKSRYP103K50
C 569 (B,246,216)	CKSRYP473K50
C 570 (B,233,208)	CKSRYP473K50

Mark No.	Description	Part No.
C 571 (B,254,213)		CKSRYP473K50
C 572 (B,267,214)		CKSRYP473K50
C 577 (B,213,214)		CKSRYP103K50
C 579 (A,205,205)		CEAT101M10
C 580 (A,199,205)		CEAT101M10
C 582 (B,212,199)		CKSRYP103K50

F 5.1CH INPUT ASSY MISCELLANEOUS

CN 307 (A,125,216)	7P CONNECTOR	52044-0745
CN 309 (A,167,225)	PIN JACK(4P)	XKB3035

RESISTORS

R 1001 (B,147,233)	RS1/16S474J
R 1002 (B,150,226)	RS1/16S474J
R 1003 (B,149,236)	RS1/16S331J
R 1004 (B,150,228)	RS1/16S331J
R 1009 (B,150,224)	RS1/16S474J
R 1010 (B,151,212)	RS1/16S474J
R 1011 (B,150,222)	RS1/16S331J
R 1012 (B,150,214)	RS1/16S331J

CAPACITORS

C 1001 (B,151,233)	CCSRCH101J50
C 1002 (B,151,230)	CCSRCH101J50
C 1003 (B,143,233)	CKSRYP221K50
C 1004 (B,147,230)	CKSRYP221K50
C 1009 (A,146,236)	CEAT4R7M50
C 1010 (A,146,228)	CEAT4R7M50
C 1012 (B,159,226)	CKSRYP103K50
C 1013 (B,151,219)	CCSRCH101J50
C 1014 (B,151,216)	CCSRCH101J50
C 1015 (B,147,224)	CKSRYP221K50
C 1016 (B,147,216)	CKSRYP221K50
C 1021 (A,146,214)	CEAT4R7M50
C 1022 (A,146,221)	CEAT4R7M50

G TRANS3 ASSY MISCELLANEOUS

△ IC 357 (A,100,225)	PROTECTOR(800MA)	AEK7008
D 363 (A,86,238)	DIODE	1SR139-400(A)
J 22	3P PARALLEL WIRE	XDX3064
891 (A,106,233)	3P CABLE HOLDER	51048-0300

RESISTORS

R 881 (A,54,235)	RD1/4PU4R7J
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CAPACITORS

C 406 (A,96,232)	ELECT. CAPACITOR	CEAT471M35
C 881 (A,13,234)	FILM CAPACITOR	CFLA104J2A
C 882 (A,23,239)	FILM CAPACITOR	CFLA104J2A

H FRONT DISPLAY ASSY MISCELLANEOUS

IC 401 (B,121,181)	DISPLAY U-COM	PE5550A
Q 442 (B,238,190)	TRANSISTOR	RT1N241M
Q 484 (B,215,190)	TRANSISTOR	2SA1576A
D 403 (B,226,189)	DIODE	1SS355(A)
L 401 (A,242,159)	RADIAL INDUCTOR	LFA2R2J

Mark No.	Description	Part No.	Mark No.	Description	Part No.
V 401	(A,189,200) FL TUBE	XAV3036	R 455	(A,75,136)	RD1/4PU821J
S 447	(A,94,113) SWITCH	VSG1024	R 456	(A,50,136)	RD1/4PU122J
S 448	(A,76,113) SWITCH	VSG1024	R 457	(A,26,136)	RD1/4PU162J
S 449	(A,58,113) SWITCH	VSG1024	R 458	(B,34,114)	RS1/16S272J
S 450	(A,58,92) SWITCH	VSG1024			
S 451	(A,76,92) SWITCH	VSG1024	R 459	(A,108,134)	RD1/4PU472J
S 452	(A,94,92) SWITCH	VSG1024	R 460	(A,133,138)	RD1/4PU681J
S 454	(A,89,136) SWITCH	VSG1024	R 461	(A,152,136)	RD1/4PU821J
S 455	(A,65,136) SWITCH	VSG1024	R 462	(A,183,141)	RD1/4PU122J
S 456	(A,40,136) SWITCH	VSG1024	R 463	(A,200,141)	RD1/4PU162J
S 457	(A,16,136) SWITCH	VSG1024	R 464	(A,233,139)	RD1/4PU272J
S 458	(A,40,113) SWITCH	VSG1024	R 465	(A,166,152)	RD1/4PU472J
S 459	(A,114,136) SWITCH	VSG1024	R 471	(B,40,102)	RS1/16S512J
S 460	(A,138,136) SWITCH	VSG1024	R 472	(A,90,142)	RD1/4PU472J
S 461	(A,163,136) SWITCH	VSG1024			
S 462	(A,187,136) SWITCH	VSG1024			
S 463	(A,212,136) SWITCH	VSG1024			
S 464	(A,236,136) SWITCH	VSG1024			
S 471	(A,40,92) SWITCH	VSG1024			
X 401	(A,149,165) CERAMIC RESONATOR (5.00 MHz)	VSS1142			
CN 401	(A,246,165) 17P CONNECTOR	52044-1745			
515	FL HOLDER(FE)	VNF1096			
404	(A,197,127) CABLE HOLDER(5P)	51063-0505			
470	(A,37,174) CABLE HOLDER(3P)	51063-0305			
471	(A,34,191) CABLE HOLDER(3P)	51063-0305			
402	(A,223,169) REMOTE RECEIVER UNIT	GP1UE274XKC1			
RESISTORS			CAPACITORS		
R 401	(B,144,169)	RS1/16S105J	C 401	(B,247,155)	CKSRBY103K50
R 402	(B,223,191)	RS1/16S104J	C 402	(B,247,153)	CKSRBY103K50
R 403	(B,220,191)	RS1/16S104J	C 403	(A,232,168)	CEAT221M6R3
R 405	(B,228,155)	RS1/16S102J	C 410	(B,60,193)	CKSRBY103K50
R 406	(B,226,155)	RS1/16S103J	C 411	(B,62,193)	CKSRBY103K50
R 407	(B,78,176)	RS1/16S473J	C 412	(A,49,178)	CEAT470M50
R 408	(B,80,176)	RS1/16S473J	C 418	(B,141,179)	CKSRBY104K16
R 409	(B,75,176)	RS1/16S473J	C 419	(B,103,183)	CKSRBY103K50
R 410	(B,73,176)	RS1/16S473J	C 420	(A,44,184) ELECT. CAPACITOR	CEAT101M35
R 411	(B,229,189)	RS1/16S473J	C 421	(B,160,169)	CKSRBY104K16
R 412	(B,235,187)	RS1/16S221J	C 441	(B,225,176)	CKSRBY103K50
R 413	(B,235,184)	RS1/16S221J	C 442	(A,239,146)	CEAL470M10
R 414	(B,235,182)	RS1/16S221J	C 451	(B,125,166)	CKSRBY102K50
R 415	(B,235,180)	RS1/16S221J	C 452	(B,103,164)	CKSRBY102K50
R 416	(B,235,178)	RS1/16S221J	C 453	(B,122,166)	CKSRBY102K50
R 417	(B,223,182)	RS1/16S101J	C 454	(B,100,164)	CKSRBY102K50
R 419	(B,205,148)	RS1/16S101J	C 481	(B,140,191)	CCSRCH471J50
R 420	(B,207,148)	RS1/16S101J	C 482	(B,126,201)	CCSRCH221J50
R 421	(B,209,148)	RS1/16S101J	C 483	(B,126,199)	CCSRCH221J50
R 422	(B,157,169)	RS1/16S104J	C 487	(B,84,160)	CKSRBY102K50
R 423	(B,131,167)	RS1/16S104J	C 488	(B,81,160)	CKSRBY102K50
R 424	(B,83,176)	RS1/16S104J	C 489	(B,74,163)	CKSRBY102K50
R 425	(B,206,185)	RS1/16S104J	C 490	(A,71,163)	CKSRBY102K50
R 430	(B,235,175)	RS1/16S0R0J			
R 448	(B,87,114)	RS1/16S681J			
R 449	(B,69,114)	RS1/16S821J			
R 450	(B,58,102)	RS1/16S122J			
R 451	(B,69,93)	RS1/16S162J			
R 452	(B,88,97)	RS1/16S272J			
R 453	(B,144,142)	RS1/16S472J			
R 454	(A,101,135)	RD1/4PU681J			

I ROTARY ENCODER ASSY

MISCELLANEOUS

S 502	(A,263,225) SWITCH	VSG1024
S 503	(A,282,225) SWITCH	VSG1024
S 504	(A,300,225) SWITCH	VSG1024
S 505	(A,300,212) SWITCH	VSG1024
S 506	(A,282,212) SWITCH	VSG1024
S 507	(A,263,212) SWITCH	VSG1024
S 513	(A,285,154) ROTARY ENCODER	XSX3005
511	(A,257,183) CABLE HOLDER(5P)	51063-0505

RESISTORS

R 503	(B,275,224)	RS1/16S681J
R 504	(B,294,224)	RS1/16S821J
R 505	(B,301,219)	RS1/16S122J
R 506	(B,294,213)	RS1/16S162J
R 507	(B,275,213)	RS1/16S272J

J POWER KEY ASSY

MISCELLANEOUS

Mark No.	Description	Part No.
S 501	(A,29,226) SWITCH	VSG1024
501	(A,40,210) CABLE HOLDER(3P)	51063-0305

K JOG ASSY MISCELLANEOUS

S 512	(A,96,226) ROTARY ENCODER	XSX3009
512	(A,66,236) CABLE HOLDER(3P)	51063-0305

L FRONT MINI JACK ASSY MISCELLANEOUS

J 30	JUMPER WIRE	D20PY0323E
JA 971	(A,114,9) JACK	DKN1124
KN 971	(A,145,33) WRAPPING TERMINAL	VNF1084
971	(A,157,14) 3P CABLE HOLDER	51048-0300

RESISTORS

R 971	(B,144,7)	RS1/16S331J
R 972	(B,144,17)	RS1/16S331J

CAPACITORS

C 971	(B,142,7)	CCSRCH101J50
C 972	(B,142,17)	CCSRCH101J50
C 973	(B,146,7)	CCSRCH101J50
C 974	(B,146,17)	CCSRCH101J50
C 975	(B,120,17)	CCSRCH471J50

C 976	(B,122,17)	CKSRYB103K50
C 977	(B,125,17)	CKSRYB104K25

M DIGITAL INPUT ASSY MISCELLANEOUS

F 1901	(B,214,228) INDUCTOR	CTF1295
JA 1900	(A,206,201) OPT. LINK IN	GP1FAV51RKBF
KN 1902	(A,249,206) SCREW PLATE	VNE1948
CN 1903	(A,236,221) CONNECTOR	VKN1181

RESISTORS

R 1900	(B,211,215)	RS1/16S101J
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CAPACITORS

C 1900	(B,205,215)	CKSRYB104K25
C 1903	(B,211,230)	CKSRYB103K50
C 1904	(A,208,228)	CEAL101M10
C 1905	(B,228,233)	CKSRYB104K25
C 1906	(B,230,233)	CKSRYB103K50

C 1907	(B,232,233)	CCSRCH101J50
C 1908	(B,236,233)	CKSRYB102K50

N REGULATOR ASSY MISCELLANEOUS

△ IC 801	(A,147,89) REGULATOR IC	KIA7812API
△ IC 802	(A,164,89) REGULATOR IC	KIA7912PI
△ IC 808	(A,181,89) REGULATOR IC	KIA7805API
D 810	(A,172,94) DIODE	MTZJ6R2(B)(A)
CN 800	(A,194,113) 11PJUMPER CONNECTOR	52147-1110

RESISTORS

R 801	(A,136,95) METAL OXIDE RESISTOR	RS3LMF331J
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CAPACITORS

Mark No.	Description	Part No.
C 803	(B,147,97)	CKSRYB103K25
C 804	(B,166,97)	CKSRYB103K25
C 805	(A,147,105)	CEJQ101M16
C 806	(A,159,99)	CEAT101M16
C 818	(B,182,95)	CKSRYB103K25
C 819	(A,176,95)	CEAT221M10

O HEAD PHONE ASSY MISCELLANEOUS

Q 1551	(B,208,48) TRANSISTOR	2SC5938A
Q 1552	(B,203,39) TRANSISTOR	2SC5938A
J 47	6P PARALLEL WIRE	XDX3065
JA 1551	(A,163,30) HEADPHONE JACK	XKB3066
KN 1551	(A,193,23) WRAPPING TERMINAL	VNF1084
1551	(A,220,28) 6P CABLE HOLDER	51048-0600

RESISTORS

△ R 1551	(A,218,56) METAL OXIDE RESISTOR	RS2LMF331J
△ R 1552	(A,207,42) METAL OXIDE RESISTOR	RS2LMF331J
△ R 1553	(A,202,45) METAL OXIDE RESISTOR	RS1LMF151J
△ R 1554	(A,194,45) METAL OXIDE RESISTOR	RS1LMF151J
R 1555	(B,208,32)	RS1/16S472J

R 1556	(B,210,43)	RS1/16S472J
R 1557	(B,212,30)	RS1/16S102J

CAPACITORS

C 1551	(B,194,40)	CKSRYB223K50
C 1552	(B,205,49)	CKSRYB223K50
C 1553	(B,169,39)	CKSRYB103K50
C 1554	(B,169,37)	CCSRCH471J50
C 1555	(B,169,34)	CKSRYB104K16

C 1556	(B,167,24)	CKSRYB103K50
C 1557	(B,170,24)	CCSRCH471J50
C 1558	(B,172,24)	CKSRYB104K16
C 1561	(A,196,64) ELECT. CAPACITOR	CEANP470M50
C 1562	(A,215,44) ELECT. CAPACITOR	CEANP470M50

P VIDEO ASSY MISCELLANEOUS

IC 301	(B,46,32) VIDEO SW IC	NJM2595M
△ Q 301	(A,86,47) TRANSISTOR	2SD1858X
△ Q 302	(A,66,52) TRANSISTOR	2SB1237X
Q 303	(B,24,81) TRANSISTOR	2SC5938A
D 301	(B,44,40) DIODE	1SS355(A)

D 302	(B,41,44) DIODE	1SS355(A)
D 303	(B,81,61) DIODE	UDZS6R2(B)(A)
D 304	(B,73,59) DIODE	UDZS6R2(B)(A)
D 308	(B,60,23) DIODE	DAN202U(A)
JA 308	(A,14,51) 6P PIN JACK	XKB3068

CN 302	(A,64,84) 6P SOCKET	KP200TA6L
CN 304	(A,88,7) 13P FFC CONNECTOR	9604S-13C
CN 310	(A,46,7) CONNECTOR	9604S-07C

RESISTORS

R 299	(B,47,52)	RS1/16S0R0J
R 301	(B,37,20)	RS1/16S750J
R 302	(B,31,60)	RS1/16S750J
R 303	(B,31,33)	RS1/16S750J
R 304	(B,31,66)	RS1/16S750J

Mark No.	Description	Part No.
R 305	(B,23,51)	RS1/16S750J
R 306	(B,28,51)	RS1/16S750J
R 307	(B,56,25)	RS1/16S102J
R 308	(B,57,29)	RS1/16S102J
R 310	(B,57,31)	RS1/16S102J
R 311	(B,42,23)	RS1/16S102J
R 312	(B,60,25)	RS1/16S102J
△ R 313	(A,85,57) METAL OXIDE RESISTOR	RS3LMF390J
R 314	(B,84,61)	RS1/16S152J
R 315	(B,64,59)	RS1/16S152J
△ R 316	(A,67,39) METAL OXIDE RESISTOR	RS3LMF390J
R 317	(B,22,75)	RS1/16S102J
R 318	(B,26,77)	RS1/16S122J
R 319	(B,26,75)	RS1/16S472J
R 391	(B,34,39)	RS1/16S0R0J
R 392	(B,33,54)	RS1/16S0R0J
R 393	(B,49,39)	RS1/16S0R0J

CAPACITORS

C 304	(B,35,18)	CKSRYPB221K50
C 305	(B,23,66)	CKSRYPB221K50
C 306	(B,25,51)	CKSRYPB221K50
C 307	(A,35,36)	CEAT470M25
C 308	(A,52,54)	CEAT470M25
C 309	(A,31,46)	CEAT470M25
C 310	(A,54,43)	CEAT101M16
C 311	(B,82,48)	CKSRYPB473K25
C 313	(B,75,42)	CKSRYPB473K25
C 333	(B,22,77)	CKSRYPB331K50
C 338	(A,60,38)	CEAT101M16
C 339	(B,37,24)	CKSRYPB104K25
C 340	(B,56,37)	CKSRYPB104K25
C 1360	(B,18,51)	CKSRYPB103K50

Q PRIMARY ASSY

MISCELLANEOUS

△ IC 51	(B,236,11) IC	NJM78L05UA
Q 51	(B,267,14) DIGITAL TR(SC-70)	RT1N431M
D 51	(B,298,20) BRIDGE DIODE	DF06SA(A)
D 55	(A,304,21) DIODE	1SR139-400(A)
D 56	(A,271,21) DIODE	1SS133(A)
D 57	(A,266,25) DIODE	1SS133(A)
D 58	(A,314,13) DIODE	MTZJ5R1(B)(A)
H 51	(A,231,34) FUSE CLIP	AKR7001
H 52	(A,250,34) FUSE CLIP	AKR7001
J 52	JUMPER WIRE	D20PYY0410E
KN 51	(A,318,25) WRAPPING TERMINAL	VNF1084
KN 3001	(A,223,117) SCREW PLATE	VNE1948
△ RY 51	(A,271,57) JOE LOWPOWER RELAY	ASR7013
△ T 51	(A,288,56) STANDBY TRANSFORMER	ATT7043
△ CN 51	(A,236,47) AC CODE SOCKET	RKP1751
55	(A,317,9) 4P CABLE HOLDER	51048-0400

RESISTORS

△ R 51	(A,318,37) RESISTOR(2.2M, 1/2W)	RCN1080
R 52	(A,275,11)	RD1/2PM270J
R 53	(A,307,12)	RD1/4PU332J
R 54	(A,319,16)	RD1/4PU103J

Mark No.	Description	Part No.
CAPACITORS		
△ C 51	(A,261,64) FILM CAPACITOR	ACE7013
△ C 52	(A,265,57) SAFETY CAPACITOR	XCG3010
C 53	(A,291,21) ELECT. CAPACITOR	CEAT102M16
C 54	(A,300,11)	CEAT470M25
C 55	(A,307,21)	CKPUYF103Z25
C 56	(A,311,21)	CKPUYF103Z25
C 57	(A,314,21)	CKPUYF103Z25

S TRANS1 ASSY

TRANS1 ASSY has no service parts.

FM/AM TUNER UNIT

FM/AM TUNER UNIT has no service parts.