SERVICE MANUAL

DISCLAIMER: USE AT OWN RISK.

SONY AND ITS AFFILIATES ARE NOT LIABLE FOR ANY DAMAGE OR INJURY CAUSED TO ANY DIGITAL ELECTRONIC EQUIPMENT, PERSON, OR PROPERTY, WHICH OCCURS DUE TO USE OF THE TOOLS, PARTS, DOCUMENTATION, OR OTHER MATERIALS HEREIN PROVIDED, WHETHER FOR REPAIR, DIAGNOSIS, MAINTENANCE, MODIFICATION, OR OTHERWISE, INCLUDING BUT NOT LIMITED TO: ANY INDIRECT, INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES; ANY LOSS OF DATA, PRIVACY OR PROFITS; OR ANY INABILITY TO USE, OR REDUCED FUNCTIONALITY OF, THE DIGITAL ELECTRONIC EQUIPMENT. PLEASE READ ALL INSTRUCTIONS IN THIS MANUAL BEFORE PROCEEDING, PLEASE FOLLOW ALL STEPS IN THE ORDER IN WHICH THEY ARE DESCRIBED. IF YOU DO NOT HAVE ALL TOOLS AND PARTS AVAILABLE TO YOU, OR ARE NOT COMFORTABLE PERFORMING THE REPAIRS DESCRIBED HEREIN, DO NOT PROCEED. FAILURE TO FOLLOW THESE INSTRUCTIONS, OR USE THE PROPER TOOLS AND PARTS, MAY DAMAGE YOUR PRODUCT, LEAD TO PERSONAL INJURY OR CAUSE PROPERTY DAMAGE.

Note:

Make sure that the your PC used for repair is not infected with a computer virus before using it.



SERVICE MANUAL

US Model



SPECIFICATIONS

AUDIO POWER SPECIFICATIONS

POWER OUTPUT AND TOTAL HARMONIC DISTORTION

STR-A27000ES With 8 Ω loads, both channels driven, from 20 Hz - 20 000 Hz; rated 140 W per channel minimum RMS power in stereo mode, with no more than 0.09% total harmonic distortion from 250 mW to rated output.

STR-AZ5000ES
With 8 Q loads, both channels driven, from 20 Hz – 20 000 Hz; rated
120 W per channel minimum RMS power in stereo mode, with no more
than 0.09% total harmonic distortion from 250 mW to rated output.

STR-AZ3000ES

With 8 Ω loads, both channels driven, from 20 Hz –20 000 Hz; rated 110 W per channel minimum RMS power in stereo mode, with no more than 0.09% total harmonic distortion from 250 mW to rated output.

STR-AZ7000ES

Rated Power Output at Stereo Mode (8 ohms, 20 Hz – 20 kHz, THD 0.09%): 140 W + 140 W Reference Power Output

ference Power Output (8 ohms, 1 Hzt, THD 0.9%) FRONT: 150 W +150 W CENTER: 150 W SURROUND: 150 W +150 W SURROUND BACK: 150 W +150 W HEIGHT 1:150 W +150 W HEIGHT 2: 150 W +150 W HEIGHT 3: 150 W +150 W

HEIGHT 3:150 W +150 W
STR-AZ5000E at d Power Output at Stereo Mode
(8 ohms, 20 Hz – 20 kHz, THD 0.09%):120 W +120 W
Reference Power Output
(8 ohms, 14 kHz, THD 0.9%)
FRONT:130 W +130 W
CENTER:130 W
SURROUND:130 W +130 W
SURROUND BACK:130 W +130 W
HEIGHT 1:30 W +130 W
HEIGHT 1:30 W +130 W

HEIGHT 2:130 W + 130 W

HEIGHT 2:130 W +130 W
STR-A23000E
Rated Power Output at Stereo Mode
(8 ohms, 20 Hz – 20 kHz, THD 0,09%):110 W +110 W
Reference Power Output
(8 ohms, 14kt, THD 0,9%)
FRONT:120 W +120 W
CENTER:120 W
SURROUND:120 W +120 W
SURROUND:120 W +120 W
SURROUND:120 W +120 W
SURROUND:120 W +120 W

SURROUND BACK: 120 W + 120 W HEIGHT: 120 W + 120 W

Measured under the following conditions: Power requirements: 120 V AC, 60 Hz Depending on the sound field settings and the source, there may be no sound output.

Frequency response
Analog
10 Hz = 100 kHz, ±3dB (with sound field, equalizer and 360SSM bypassed)

Input
Analog
Sensitivity: 150 mV/50 kilohms
S/N³1: 105 dB (A, 500 mV⁴⁰)

S/N³: 105 dB (A, 500 mV³) Digital (Coaxial) Impedance: 75 ohms S/N: 96 dB (A, 20 kHz LPF) Digital (Optical) S/N: 96 dB (A, 20 kHz LPF)

Output (Analog)

Output (Analog)
STR-AZ7000ES
ZONE 2, ZONE 3
Voltage: 2 V/T kilohm
FRONT L/R, CENTER, SURROUND L/R, SURROUND BACK L/R, HEIGHT 1 L/R,
HEIGHT 2 L/R, HEIGHT 3 L/R, SUBWOOFER
Voltage: 2 V/T kilohm

STR-AZ5000ES
ZONE 2, ZONE 3
Voltage: 2V/t kilohm
FRONT L/R. CENTER. SURROUND L/R, SURROUND BACK L/R, HEIGHT 1/R,
HEIGHT 2/R, SUBWOOFER
Voltage: 2V/T kilohm

STR-AZ3000ES

ZONE 2, ZONE 3 Voltage: 2 V/1 kilohm SUBWOOFER

Voltage: 2 V/1 kilohm

Equalizer Gain levels ±10 dB, 1 dB step

INPUT SHORT (with sound field and equalizer bypassed)

Weighted network, input level

Tuning range 87.5 MHz – 108.0 MHz (100 kHz step)

FM wire antenna (aerial)

Antenna (aerial) terminals 75 ohms, unbalanced

Video section

Inputs/Outputs Video: 1 Vp-p, 75 ohms

- •576p/50 Hz
- •720p/60 Hz, 50 Hz, 30 Hz, 24 Hz •1080i/60 Hz, 50 Hz

- •1080p/120 Hz, 100 Hz, 60 Hz, 50 Hz, 30 Hz, 24 Hz •4K/120 Hz*, 100 Hz*, 60 Hz, 50 Hz, 30 Hz, 25 Hz, 24 Hz
- JIN, OU HZ*, 50 Hz*, 30 Hz*, 25 Hz*,
 * HDMI IN1,IN 2,IN 3,IN 4 supports
 Support •8K/60 Hz*, 50 Hz*, 30 Hz*, 25 Hz*, 24 Hz*

HDCP 2.3, HDR (HDR10, Hybrid Log-Gamma, Dolby Vision), 3D, Deep Color, ITU-R BT.2020, eARC/ARC, VRR, ALLM For details on supported video formats, visit the Help Guide.

Supported digital audio formats

Digital audio format	Maximum number of decoding/ rendering channels	Connection with the receiver
Dolby Digital [DOLBY AUDIO]	5.1	COAXIAL/OPTICAL, HDMI, eARC, ARC
Dolby Digital Plus [DOLBY AUDIO] ¹⁾	7.1	HDMI, eARC, ARC
Dolby Atmos - Dolby Digital Plus [DOLBY ATMOS] ^{11,27}	STR-AZ7000ES: 71.6 / 91.4 STR-AZ5000ES: 71.4 STR-AZ3000ES: 51.4 / 71.2 / 71.4 ³	HDMI, eARC, ARC
DTS (DTS)	5.1	COAXIAL/OPTICAL, HDMI, eARC, ARC
DTS 96/24 [DTS]	5.1	COAXIAL/OPTICAL, HDMI, eARC, ARC
LPCM [LINEAR PCM]	7.1/2.0	COAXIAL/OPTICAL, HDMI(7.1), eARC(7.1), ARC(2.0)
Dolby TrueHD [DOLBY AUDIO] ¹⁾	7,1	HDMI, eARC

Digital audio format	Maximum number of decoding/ rendering channels	Connection with the receiver
Dolby Atmos TrueHD [DOLBY ATMOS] ^{3), 2)}	STR-AZ7000ES: 7.1.6 / 9.1.4 STR-AZ5000ES: 7.1.4 STR-AZ3000ES: 51.4 / 7.1.2 / 7.1.4 ⁽ⁱ⁾	HDMI, eARC
Dolby Atmos [DOLBY ATMOS]	STR-AZ7000ES: 71.6 / 91.4 STR-AZ5000ES: 71.4 STR-AZ3000ES: 51.4 / 71.2 / 71.4 ³⁵	HDMI, eARC
DTS-ES DISCRETE (DTS-ES Discrete 6.1) [DTS]	6.1	COAXIAL/OPTICAL HDMI, eARC, ARC
DTS-ES MATRIX (DTS-ES Matrix 6.1) [DTS]	6.1	COAXIAL/OPTICAL HDMI, eARC, ARC
DTS-HD High Resolution Audio [DTS-HD] ⁽⁾	7.1	HDMI, eARC
DTS-HD Master Audio [DTS-HD] ¹	7.1	HDMI, eARC
DTS Express [DTS-HD]	5.1	HDMI, eARC
DTS:X Master Audio [DTS:X] ¹⁾	STR-AZ7000ES: 71.6 / 91.4 STR-AZ5000ES: 71.4 STR-AZ3000ES: 51.4 / 71.2 / 71.4 ³⁵	HDMI, eARC
DTS:X [DTS:X] ⁱ⁾	STR-AZ7000ES: 7.1.6 / 9.1.4 STR-AZ5000ES: 7.1.4 STR-AZ3000ES: 5.1.4 / 7.1.2 / 7.1.4 ³⁾	HDMI, eARC
DSD [DSD]4L5	5.1	HDMI

- Audio signals are output in another format if the playback device does not correspond to the actual format. For details, refer to the operating instructions of the playback device.
- instructions of the playback device.

 2 Dolby Atmos is decoded as Dolby Digital Plus or Dolby TrueHD if the speaker pattern is set to 2.0, 2.1, 3.0, 3.1, 4.0, 4.1, 5.0 or 5.1, and [Virtualzer] is set to [Off].

 3 Available only when [SpeakerRelocation/PhantomSurroundBack] is in operation.

 4 This format is not output to wireless headphones.

 5 This format is not output to wireless speakers.

USB section

Ý(USB) port: Type A (For connecting USB flash drive) Maximum current 500 mA

Network securi Ethernet LM 100BASE-TX Wireless LM Compatible standards: IEEE 802.11 a/b/g/n/ac Security: WPA/WPAZ-PSK Radio frequency: 2.4 GHz, 5 GHz

Playable types of audio files			
Codec	Extension		
MP3 (MPEG-1 Audio Layer III)	.mp3		
MPEG-H	.mp4	_	
AAC/HE-AAC ¹	m4a, aac²l, mp4²l, 3gp²l		
WMA9 Standard ¹⁾	.wma		
LPCM	wav		
FLACI	.flac		
DSF ¹⁾	.dsf		
DSDIFF ^{1,3}	.dff		
AIFF ¹⁾	aiff, aif		
ALAC ¹⁾	.m4a	Τ	

- Continued on next page -

MULTI CHANNEL AV RECEIVER

Codec	Extension	
Vorbis	.ogg	
Monkey's Audio	.ape	

- 1) The receiver may not play this file format on a home network server.
- The receiver does not play this file format on a home network server.
- 3) The receiver does not play DST encoded files

- Some files may not play depending on the file format, the file encoding, the recording condition, or the home network server condition.

 -Some files edited on a PC may not play.
 -Sat forward or fast reverse may not be available with some files.
 -The receiver does not play coded files such as DRM.

- The receiver cannot recognize a file/folder depending on the name/
- Some USB devices may not work with this received The receiver can recognize Mass Storage Class (MSC) devices.

BLUETOOTH section

nmunication system BLUETOOTH Specification version 5.0

BLUETOOTH Specification Power Class 1

BLUETOOTH Specification Power Class 1
Maximum communication range
Line of sight approx. 30 m (98.4 feet)¹⁰
Maximum number of devices to be registered
10 devices
Frequency band
2.4 GHz band (2.4000 GHz – 2.4835 GHz)
Modulation method
FHSS (Freq Hopping Spread Spectrum)
Compatible BLUETOOTH profiles²¹
AZDP (Advanced Audio Distribution Profile)
AVRCP (Audio Video Remote Control Profile)
Supported Codecs³¹

Supported Codecs³ SBC⁴, AAC, LDAC

Transmission range (A2DP)
20 Hz – 40 000 Hz (LDAC sampling frequency 96 kHz with 990 kbps transmission)
20 Hz – 20 000 Hz (Sampling frequency 44.1 kHz)

20 Hz – 20 000 Hz (Sampling frequency 44.1 kHz). The actual range will vary depending on factors such as obstacles between devices, magnetic fields around a microwave oven, static electricity, cordless phone, reception sensitivity, antenna's performance, operating system, software application, etc. BILLETOOTH standard profiles indicate the purpose of BILJETOOTH communication between devices.

Codec: Audio signal compression and conversion format

Wireless Transmitter/Receiver Section Communication system Wireless Sound Specification version 4.0 Frequency band 5 GHz

Modulation method OFDM

General

Power requirements 120 V AC, 60 Hz

120 V.A.C, 60 Hz
weer consumption
STR-A27000ES: 540 W
STR-A25000ES: 500 W
STR-A23000ES: 540 W
STR-A2300ES: 440 W
STR-A2500ES: 440 W
(When [Standby Through], [Network/Bluetooth Standby),
External Control] and all zone power are set to [Off],)
Network/Bluetooth Standby mode: 3,5 W
(When [Network/Bluetooth Standby ls set to [on], and
[Standby Through] and all zone power are set to [Off],]
measures (with Pagieth (Identh'l Approx).

Dimensions (width/height/depth) (Approx.)
430 mm × 194 mm × 440 mm (17 in × 7 3 ½ in × 17 3 ½ in) including projecting parts and controls

ss (Approx.) STR-AZ7000ES: 21.8 kg (48 lb) STR-AZ5000ES: 19.2 kg (42 lb 6 oz) STR-AZ3000ES: 19.0 kg (41 lb 15 oz)

Supplied accessories
Operating Instructions
Startup Guide (1)
Calibration microphone (1)
Calibration microphone (1)
Calibration mic stand (1)
FM wire antenna (aerial) (1)
AC power cord (mains lead) (1)
Remote control (1)
RO3 (size AAA) batteries (2)
Front cover (1)

Design and specifications are subject to change without notice.

Trademarks

- Windows Media is either a registered trademark or trademark of
- Microsoft Corporation in the United States and/or other countries.

 The LDAC™ name is a trademark of Sony Group Corporation or its
- CLDAC is an audio coding technology developed by Sony that enables the transmission of High-Resolution (Hi-Res) Audio content, even over a Bluetooth connection. Unlike other Bluetooth compatible coding technologies such as SBC, it operates without any down-conversion of the Hi-Res Audio content, and allows approximately three times more data** than those other technologies to be transmitted over a Bluetooth wireless network with unprecedented sound quality, by means of efficient coding and optimized packetization.

- welf-cient coding and optimized packetization.

 excluding DSD format contents

 "In comparison with SBC (Subband Coding) when the bitrate of
 990 kbps (96.48 kHz) or 999 kbps (88.2/44.1 kHz) is selected
 17he Bluetooth Word mark and olpos are registered trademarks
 owned by Bluetooth SIG, Inc. and any use of such marks by
 Sony Group Corporation and its subsidiaries is under license.

 17he terms HDMIP", HDMI High, Definition Multimedia Interface,
 and the HDMI Logo are trademarks or registered trademarks of
 HDMI Licensing Administrator, Inc.
 Google, Google Play, Google Home and Chromecast built-in are
 trademarks of Google LLC, Google Assistant is not available in certain
 languages and countries.

 Apple, AirPlay, iPad. ¡Phone and iPod touch are trademarks of Apple Inc.
 registered in the U.S. and other countries.

 "BRAVA" logo is a trademark of Sony Group Corporation or its affiliates.

 "Wi-Fi (ERTIFEED", WPAP", and WPA2" are trademarks of Wi-Fi Alliance.

 Wi-Fi (ERTIFEED", WPAP", and WPA2" are trademarks of Wi-Fi Alliance.
- Being Roon Tested means that Sony and Roon have collaborated to ensure you have the best experience using Roon software and Sony equipment together, so you can just enjoy the music "TRILUMINOS" and "TRILUMINOS" logo are a registered trademark of Sony Group Corporation or its affiliates.
- Somy circup Corporation or its attiliates. Spotify and Spotify logos are trademarks of the Spotify Group.*

 *Depending on the country and region, this function may not be available.

 *All other trademarks and registered trademarks are trademarks or registered trademarks of their respective holders. In this manual, ** and ** marks are not specified.

SAFETY CHECK-OUT

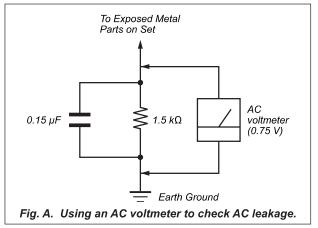
After correcting the original service problem, perform the following safety check:

Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microamperes.). Leakage current can be measured by any one of three methods.

- 1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments
- 2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
- 3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2 V AC range are suitable. (See Fig. A)



SAFETY-RELATED COMPONENT WARNING!

COMPONENTS IDENTIFIED BY MARK A OR DOTTED LINE WITH MARK A IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION

REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

TABLE OF CONTENTS

SERVICING NOTES	5
DISASSEMBLY	
Disassembly Flow	14
	16
	17
	18
	19
* */	20
	21
*	22
	23
	24
	25
	26
	27
	28
	29
	30
	31
	32
	33
	34
	35
	36
	37
STRV Roard Block	38
	39
	39
	40
	41
	42
	42
	43
F HDMI Doord (A 75000ES/A 77000ES)	44
	45
	45
-	47
	48
	49
	50
	51
	52 53
1 wilet Bueit	
	54
	55
	56
	57
	58
	59
	60
	61

5	3.	DIAGRAMS	
	3-1.	Frame Harness - MAIN Section	63
	3-2.	Frame Harness - PANEL/POWER SUPPLY Section	64
14			
16	4.	EXPLODED VIEWS	
17	4-1.	Case Section	65
18	4-2.	JACK Board Section	66
19	4-3.	GENOA Board, LAN Antenna Section	67
20	4-4.	DIGITAL Board Section	68
21	4-5.	ANALOG Board Section	69
22	4-6.	STBY Board, DCDC Board, DC Fan Section	70
23	4-7.	Power Transformer, AC Inlet Section	71
24	4-8.	PS Board, SPTM Board Section	72
25	4-9.	Foot, Panel Back Section	73
26	4-10.	DISPLAY Board, VOL Knob Section	74
27	4-11.	Panel Front, Button Section	75
28	4-12.	AMP Board Section	76
29	4-13.	Heatsink Section (AZ3000ES/AZ5000ES)	77
30	4-14.	Heatsink Section (AZ7000ES)	78
31			
32	5	ACCESSORIES	79

SECTION 1 SERVICING NOTES

The SERVICING NOTES contains important information for servicing. Be sure to read this section before repairing the unit.

UNLEADED SOLDER

Boards requiring use of unleaded solder are printed with the leadfree mark (LF) indicating the solder contains no lead.

(**Caution:** Some printed circuit boards may not come printed with the lead free mark due to their particular size)

4: LEAD FREE MARK

Unleaded solder has the following characteristics.

 Unleaded solder melts at a temperature about 40 °C higher than ordinary solder.

Ordinary soldering irons can be used but the iron tip has to be applied to the solder joint for a slightly longer time.

Soldering irons using a temperature regulator should be set to about 350 $^{\circ}\mathrm{C}.$

Caution: The printed pattern (copper foil) may peel away if the heated tip is applied for too long, so be careful!

· Strong viscosity

Unleaded solder is more viscous (sticky, less prone to flow) than ordinary solder so use caution not to let solder bridges occur such as on IC pins, etc.

Usable with ordinary solder
 It is best to use only unleaded solder but unleaded solder may

NOTE OF REPLACING THE FUSE

also be added to ordinary solder.

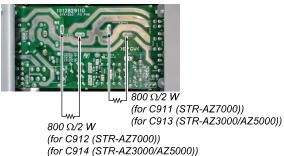
The fuse is or could be in the neutral. When a fuse is being replaced, the main plug shall be disconnected from the AC outlet to prevent electric shock.

DISCHARGE PROCESSING METHOD

When disassembling the unit after checking the operation, for the electric shock prevention, perform the discharge processing by connecting the resistor at both ends of the specified capacitor with referring to the figure below.

Note: Be sure to use a resistor of 800 Ω or higher for the discharge processing

– PS Board (Conductor Side) –(With panel bottom removed view)



ABOUT THE PROTECT

If "PROTECTOR" or "THERMAL" appears on the display panel and this unit automatically turns off after a few seconds:

- There may be an electrical surge or power failure. Unplug the AC power cord and then plug in the AC power cord again after 30 minutes.
- This unit is covered and the ventilation holes are blocked. Remove the object covering the ventilation holes of this unit.
- The impedance of the connected speakers is below the rated impedance range indicated on the back panel of this unit. Reduce the volume level.
- Unplug the AC power cord and let this unit cool down for 30 minutes while performing the following troubleshooting:
 - -- Disconnect all of the speakers and subwoofer.
 - -- Check that the speaker wires are tightly twisted on both ends.
 - -- Connect the front speaker first, increase the volume level and operate this unit for at least 30 minutes until it completely warms up. Then, connect each additional speaker one by one and test each additional speaker until you detect which speaker is causing the protection error.

If [Overload has been detected.] appears on the TV screen:

An over-current from the ψ (USB) port was detected. Disconnect the USB device as prompted in the warning message and close the message.

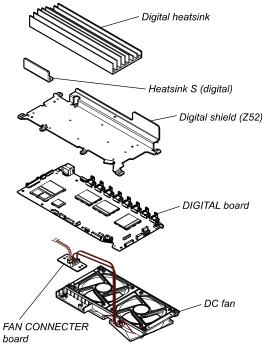
NOTE OF PERFORMING THE OPERATION CHECK IN THE STATUS THAT HEATSINK AND DC FAN ARE RE-MOVED

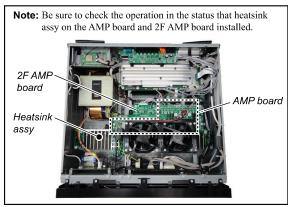
When performing the operation check in the status that this unit is disassembled, it is possible to perform the operation check in the status that heatsink is removed from the DIGITAL board.

Also, it is possible to perform the operation check in the status that DC fan is removed from the FAN CONNECTER board.

However, in that case, set the volume to low level and perform the work in the short time so as a few minutes.

When it is necessary to work in the middle level volume or more, or a few minutes or more, be sure to perform in the status that heatsink is installed to the DIGITAL board, and DC fan is installed to the FAN CONNECTER board.





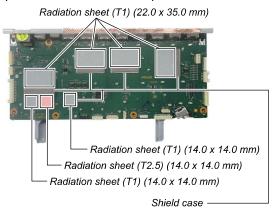
ABOUT THE RADIATION SHEETS AND THE THERMAL SHEET

The radiation sheets and the thermal sheet are attached in various places.

When assembling after disassembly work, be sure to check that the radiation sheets and the thermal sheet are properly attached before reassembling.

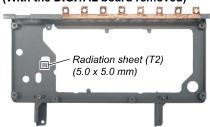
(Refer to figure on the right)

DIGITAL Board (Side A) (With the heatsink removed)

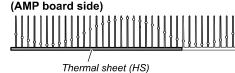


Note: There is also a radiation sheet inside the shield case.

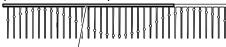
BRACKET (3F DIGITAL) (With the DIGITAL board removed)



HEATSINK EXT (13CH) (STR-AZ7000ES)

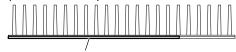


HEATSINK EXT (13CH) (STR-AZ7000ES) (2F AMP board side)



Thermal sheet (HS)

HEATSINK SQ (11CH) (STR-AZ3000ES/AZ5000ES) (AMP board side)



Thermal sheet (HS)

HEATSINK SQ (11CH) (STR-AZ3000ES/AZ5000ES) (2F AMP board side)



Thermal sheet (HS)

INITIALIZATION METHOD

When this unit does not operate properly, or after repairs are completed etc., perform the initialization according to the following procedure.

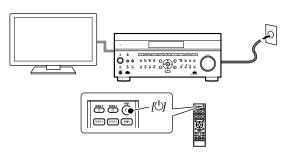
Note 1: When performing the initialize, all settings return to the factory default.

Note 2: When the optional subwoofer or optional rear speaker is connected, wireless connection might be broken.

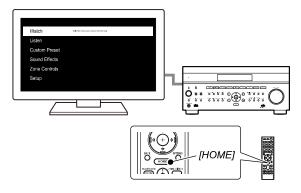
Initialization procedure:

1. Connect this unit to the TV monitor, plug the power cord to an AC outlet, and press the [b] button on the remote control to turn the power on.

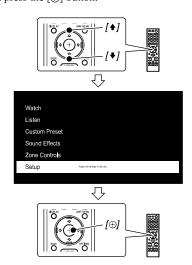
Note 3: For details on how to connect the TV monitor, refer to the instruction manual supplied with this unit.



2. Press the [HOME] button on the remote control to display the home menu on the TV monitor.

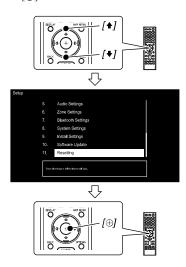


Press the [♠]/[♠] button on the remote control, select the "Set-up", and press the [⊕] button.

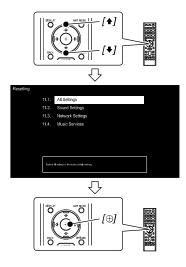


- Continued on upper right -

 Press the [♠]/[♣] button on the remote control, select the "Resetting", and press the [♠] button.



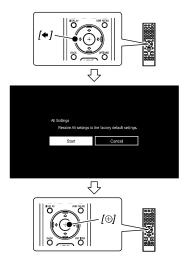
 Press the [♠]/[♠] button on the remote control, select the "All Settings", and press the [⊕] button.



- Continued on next page -

6. Press the [♠] button on the remote control, select the "Start", and press the [⊕] button to start the initialization.

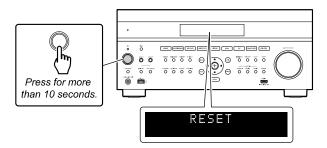
Note 4: When it cancel the initialization operation, select the "Cancel" in this procedure, and press the $[\oplus]$ button on the remote control.



- 7. After reboot automatically, the power is turned off automatically and return to factory default.
- When it cannot initialization by operating the home menu.

With the power has turned off, press the $[\circlearrowleft]$ button for more than 10 seconds on front panel of unit.

The message "RESET" is displayed on the display panel, it performs the initialization and reboot automatically, then power is turned off automatically.



NOTE OF REPLACING THE GENOA BOARD

When replacing the GENOA board with a new board, be sure to perform the following checking work.

- Check the network connection (Refer to "NETWORK CONNECTION CHECKING METH-OD" on page 9)
- Check the BLUETOOTH connection (Refer to "BLUETOOTH CONNECTION CHECKING METH-OD" on page 10)

NOTE OF REPLACING THE ANT1 BOARD

When replacing the ANT1 board with a new board, be sure to perform the following checking work.

- Check the network connection (Refer to "NETWORK CONNECTION CHECKING METH-OD" on page 9)
- Check the BLUETOOTH connection (Refer to "BLUETOOTH CONNECTION CHECKING METH-OD" on page 10)

NOTE OF REPLACING THE ANT2 BOARD

When replacing the ANT2 board with a new board, be sure to perform the following checking work.

- Check the network connection (Refer to "NETWORK CONNECTION CHECKING METH-OD" on page 9)
- Check the BLUETOOTH connection (Refer to "BLUETOOTH CONNECTION CHECKING METH-OD" on page 10)

NOTE OF REPLACING THE COAXIAL HARNESS

When replacing the following coaxial harness with a new part, be sure to perform the following checking work.

Target parts:

- Coaxial harness between ANT1 board and GENOA board
- · Coaxial harness between ANT2 board and DIGITAL board

Checking works:

- Check the network connection (Refer to "NETWORK CONNECTION CHECKING METH-OD" on page 9)
- Check the BLUETOOTH connection (Refer to "BLUETOOTH CONNECTION CHECKING METH-OD" on page 10)

NETWORK CONNECTION CHECKING METHOD

When checking the network connection refer to the following.

1. Checking the wireless LAN connection

Necessary equipment:

- TV monitor
- Access point

Procedure:

1. Connect this unit to the TV monitor.

Note 1: For details on how to connect the TV monitor, refer to the instruction manual supplied with this unit.

- 2. Press the [b] button to turn the power on.
- 3. Press the [HOME] button on the remote control, display the home screen.
- Press the [♠]/[♠] buttons on the remote control to select the "Set-up", and press the [⊕] button on the remote control.
- Press the [♠]/[♠] buttons on the remote control to select the "Network Settings", and press the [⊕] button on the remote control.
- Press the [♠]/[♠] buttons on the remote control to select the "Internet Settings", and press the [⊕] button on the remote control.
- Note 2: Make sure that the item "Wi-Fi connection" above "Internet Settings" is set to [On]. If a network LAN cable is connected, the "Wi-Fi connection" item is grayed out. Unplug the network LAN cable before proceeding to the next step.
- 7. The message "Next" is displayed.
- Press the [⊕] button on the remote control, it automatically starts searching for Wi-Fi networks.
- Press the [♠]/[♠] buttons on the remote control to select the Wi-Fi network to connect to this unit.
- Enter the password for Wi-Fi network to connect to this unit using the remote control.
- When Wi-Fi network connection is completed, "Connection Method: Wi-Fi" and "Internet Access: OK" is displayed.

Note 3: Refer to the help guide about details of the network connection method.

2. Checking the wired LAN connection

Necessary equipment:

- TV monitor
- Router
- Network LAN cable

Procedure:

1. Connect this unit to the TV monitor.

Note 1: For details on how to connect the TV monitor, refer to the instruction manual supplied with this unit.

- 2. Connect this unit to the router with the network LAN cable.
- 3. Press the [🖰] button to turn the power on.
- Press the [HOME] button on the remote control, display the home screen.
- Press the [♠]/[♠] buttons on the remote control to select the "Setup", and press the [⊕] button on the remote control.
- Press the [♠]/[♠] buttons on the remote control to select the "Network Settings", and press the [⊕] button on the remote control.
- Press the [♠]/[♠] buttons on the remote control to select the "Internet Settings", and press the [⊕] button on the remote control.
- 8. The message "Next" is displayed.
- 9. Press the [⊕] button on the remote control.
- 10. Press the $[\blue{+}]/[\blue{+}]$ buttons on the remote control to select the "Auto", and press the $[\blue{+}]$ button on the remote control.
- 11. The "The network will be configured with the following settings" screen is display, and press the [♣] button on the remote control
- Press the [♠]/[♠] buttons on the remote control to select the "Save & Connect", and press the [⊕] button on the remote control
- 13. When wired LAN connection is completed, "Connection Method: Wired" and "Internet Access: OK" is displayed.

Note 2: Refer to the help guide about details of the network connection method

BLUETOOTH CONNECTION CHECKING METHOD

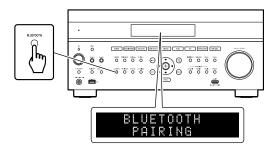
When checking the BLUETOOTH connection refer to the following.

Preparation:

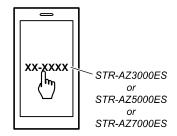
 Devices with BLUETOOTH function (smartphone or music player etc.)

Bluetooth Connection Procedure:

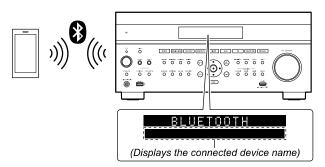
- 1. Press the [\bigcirc] button to turn the power on.
- Press the [BLUETOOTH] button, and enter the pairing mode. Check that the message "BLUETOOTH PAIRING" is displayed on the display panel.
- Note 1: If "NOT USE" is displayed when you press the [BLUETOOTH] button on this unit, it is in BLUETOOTH transmitter mode. In this case, press the [BLUETOOTH TX/RX] button on the remote control to switch to BLUETOOTH receiver mode.



- Operate the device with BLUETOOTH function such as a smartphone to search for "STR-AZ3000ES", "STR-AZ5000ES" or "STR-AZ7000ES", and perform the pairing.
- Note 2: For the pairing operation method of the device with BLUETOOTH function, refer to the instruction manual of device with BLUETOOTH function.
- Note 3: If a passkey is requested, input "0000".



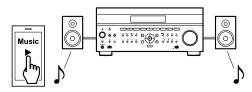
4. When the BLUETOOTH connection is established, the connected device name is displayed on the display panel.



- Continued on upper right -

Operate the device with BLUETOOTH function, start the audio playback, and check that the sound is output normally from each speakers.

Note 4: The speaker connection figure below is a reference example.



Operate the device with BLUETOOTH function, stop the audio playback.

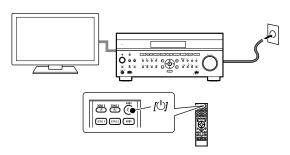
MAC ADDRESS CHECKING METHOD

When checking the MAC address, refer to the following.

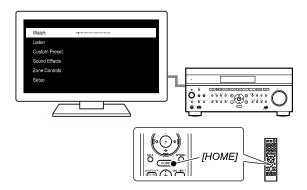
Checking Procedure:

1. Connect this unit to the TV monitor, plug the power cord to an AC outlet, and press the [the distribution on the remote control to turn the power on.

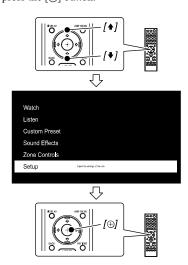
Note: For details on how to connect the TV monitor, refer to the instruction manual supplied with this unit.



Press the [HOME] button on the remote control to display the home menu on the TV monitor.

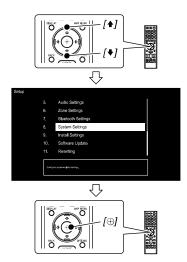


Press the [♠]/[♠] button on the remote control, select the "Set-up", and press the [⊕] button.

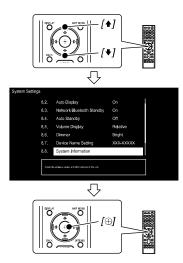


- Continued on upper right -

 Press the [♠]/(♣) button on the remote control, select the "System Settings", and press the [⊕] button.



 Press the [♠]/[♠] button on the remote control, select the "System Information", and press the [⊕] button.



 Check the MAC address by referring to the MAC address (Wired LAN) field and MAC address (Wi-Fi) field on the displayed "System Information" screen.



 Press the [⊕] button on the remote control to close the system information screen, press the [⊕] button on the remote control to turn the power off, and complete the check of MAC address.

WIRELESS CONNECTION (LINK) WORK

When replace the board or parts related to the wireless connection (link) with optional unit such as a wireless subwoofer or wireless rear speaker, or when perform initialization, the wireless connection (link) between this unit and the optional unit may be disconnected, or may not connected properly.

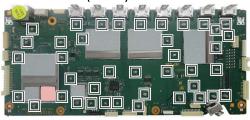
Refer to the help guide for this unit, about method of wireless connection between this unit and wireless rear speaker, or wireless subwoofer.

NOTE OF TOUCHING THE CONTACT TERMINAL

There are 40 contact terminals mounted on the DIGITAL board. Be careful not to touch the contact terminals directly.

· Location of contact terminals

DIGITAL Board (Side A)



Contact terminals



Ref. No.

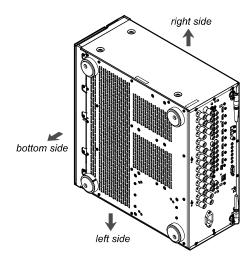
ET2001, ET2002, ET2003, ET2004, ET2005, ET2006, ET2007, ET2008, ET2009, ET2010, ET2011, ET2014, ET2015, ET2016, ET2017, ET2018, ET2019, ET2020, ET2021, ET2022, ET2023, ET2024, ET2025, ET2026, ET2027 ET2028, ET2029, ET2030, ET2031, ET2032, ET2033, ET8062, ET8063, ET8412, ET8414, ET8415, ET8562, ET8563, ET8564

THE CONDUCTOR SIDE OF THE AMP BOARD, SPTM BOARD AND PS BOARD CHECKING METHOD

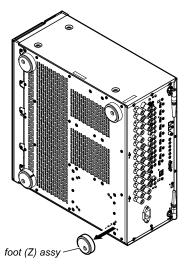
It is possible to remove the panel bottom of this unit and check the reverse side of the board from the bottom side. Refer to this method when checking the conductor side of the AMP board, SPTM board, or PS board.

Procedure:

1. Place the unit so that the bottom of the unit can be seen.

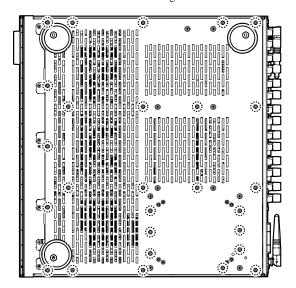


2. Remove the foot (Z) assy shown in the figure below.

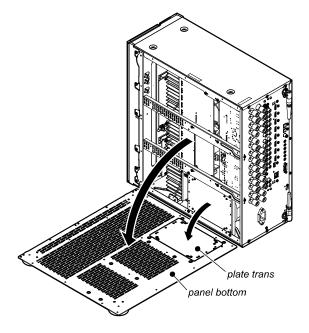


- Continued on next page -

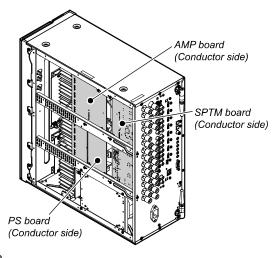
3. Remove the screws shown in the figure below.



4. Remove the panel bottom (and plate trans).



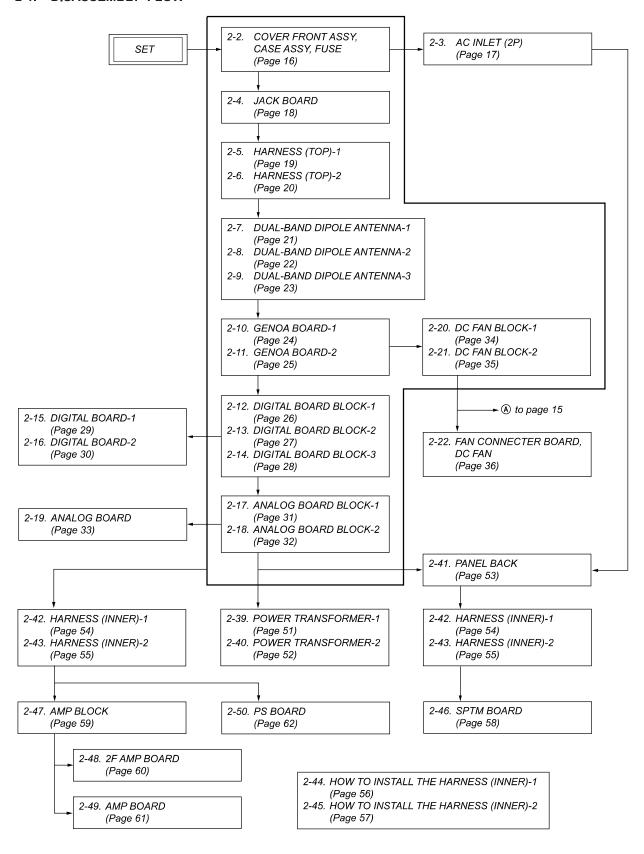
5. Check the conductor side of the AMP board, SPTM board, or PS board.

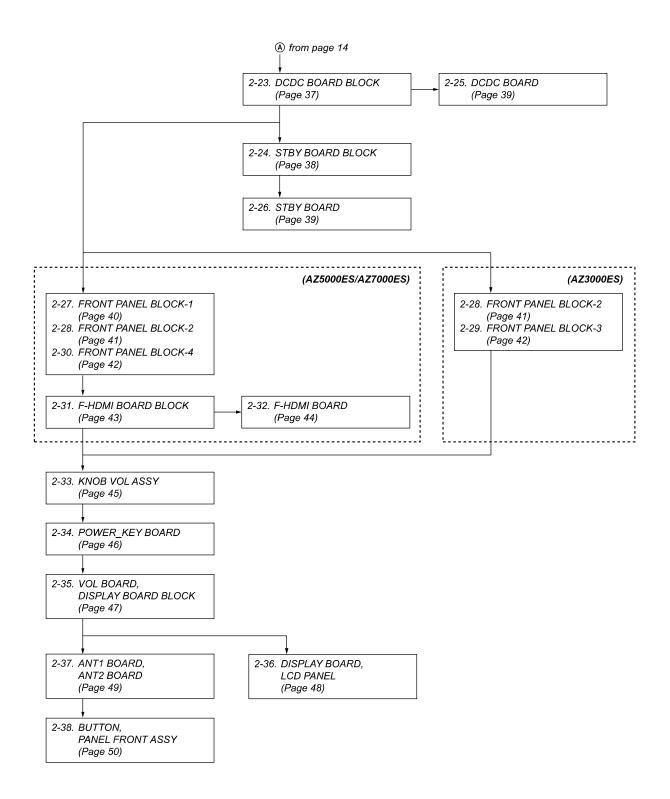


SECTION 2 DISASSEMBLY

• This set can be disassembled in the order shown below.

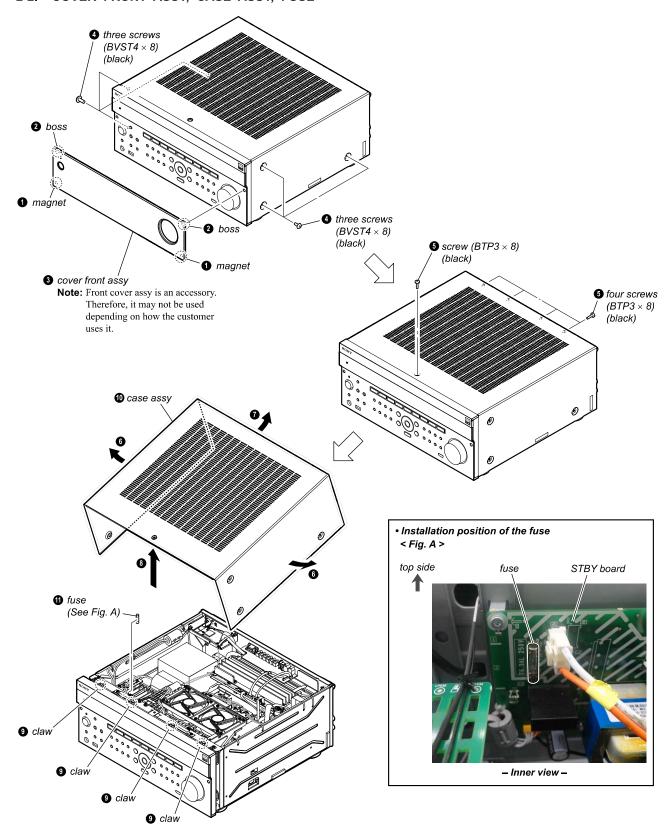
2-1. DISASSEMBLY FLOW



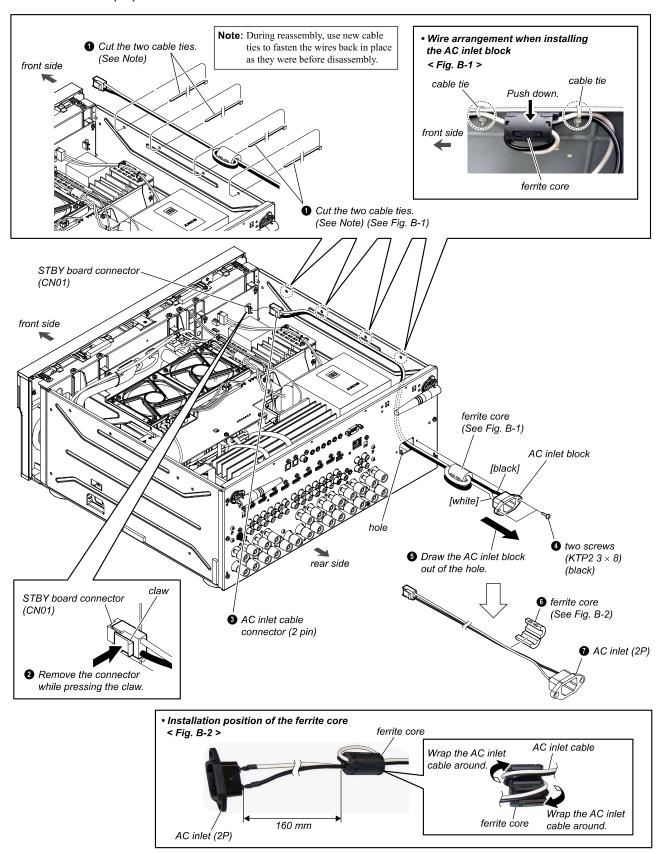


Note: Follow the disassembly procedure in the numerical order given.

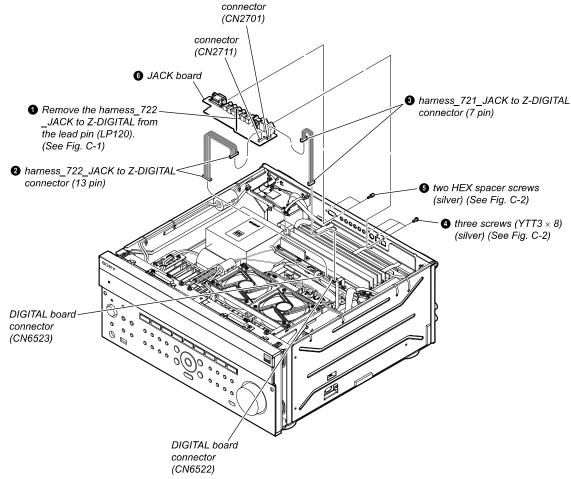
2-2. COVER FRONT ASSY, CASE ASSY, FUSE

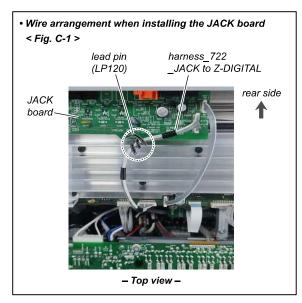


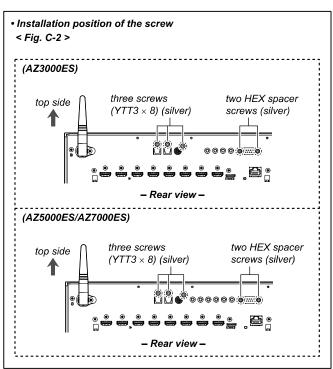
2-3. AC INLET (2P)



2-4. JACK BOARD

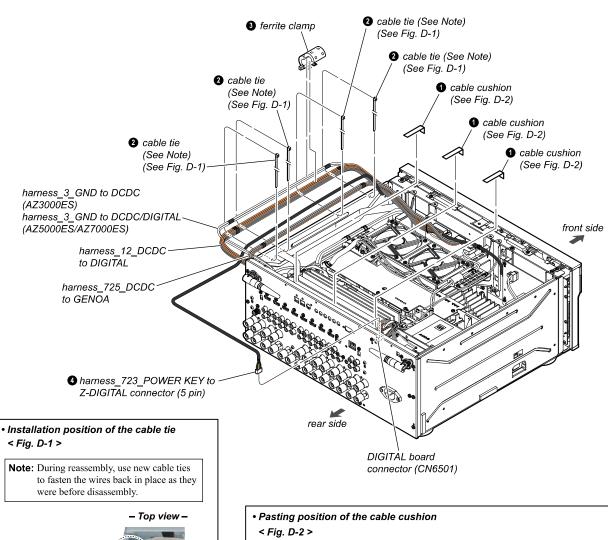


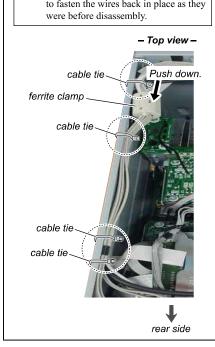


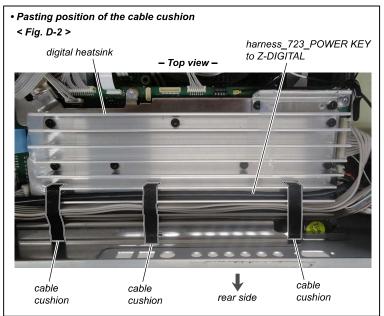


2-5. HARNESS (TOP)-1

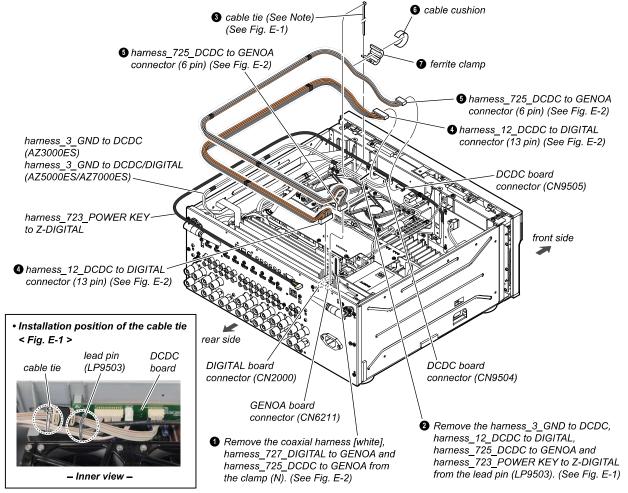
· Continued on 2-6 (page 20).

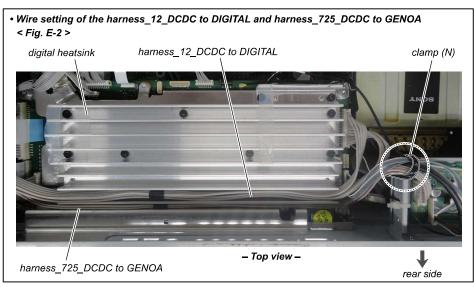






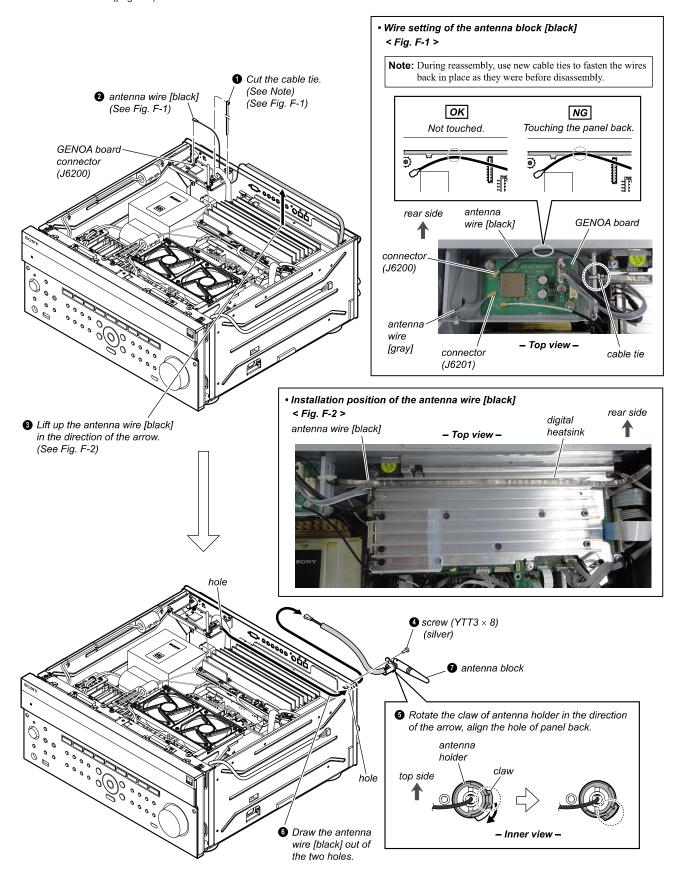
2-6. HARNESS (TOP)-2





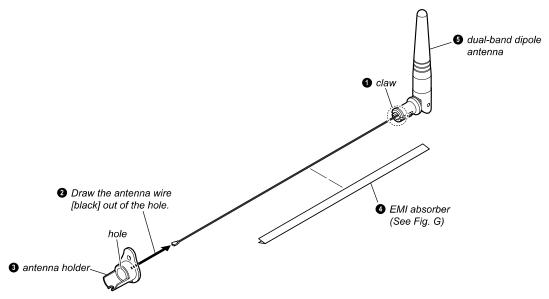
2-7. DUAL-BAND DIPOLE ANTENNA-1

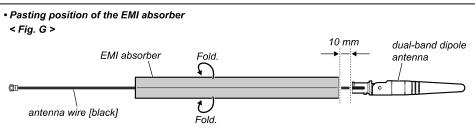
· Continued on 2-8 (page 22).



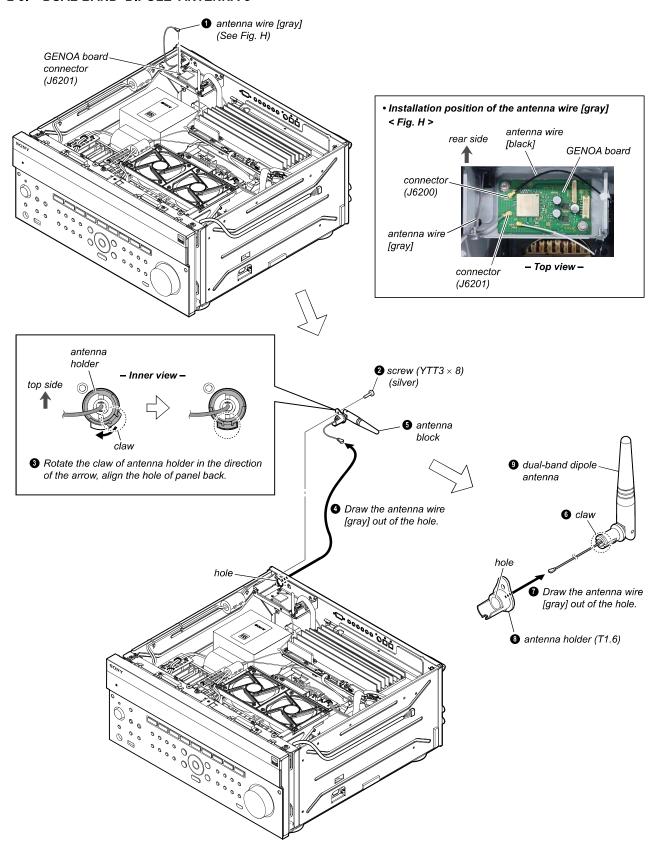
2-8. DUAL-BAND DIPOLE ANTENNA-2

• Continued on 2-9 (page 23).



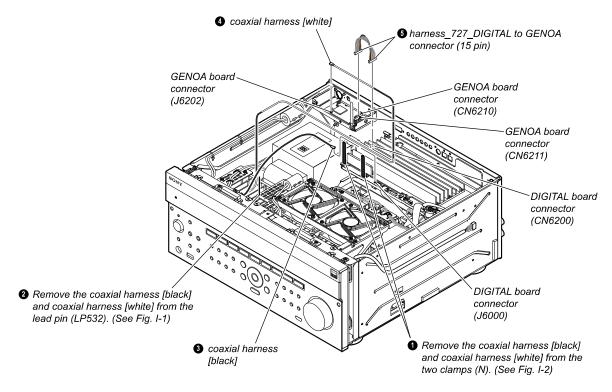


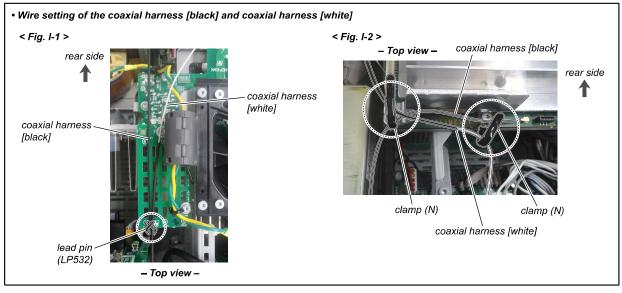
2-9. DUAL-BAND DIPOLE ANTENNA-3



2-10. GENOA BOARD-1

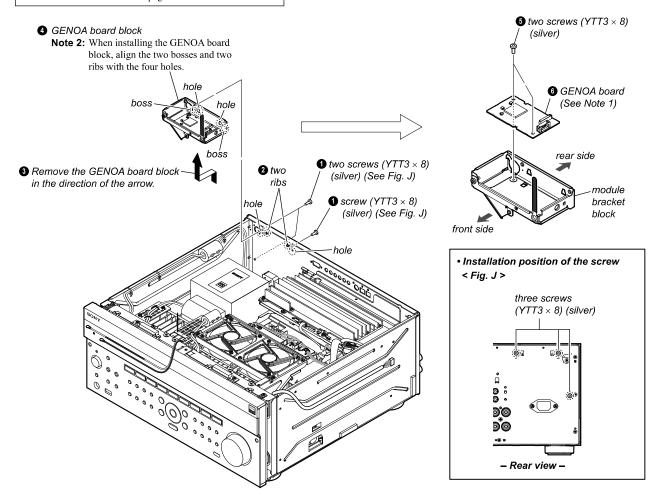
· Continued on 2-11 (page 25).





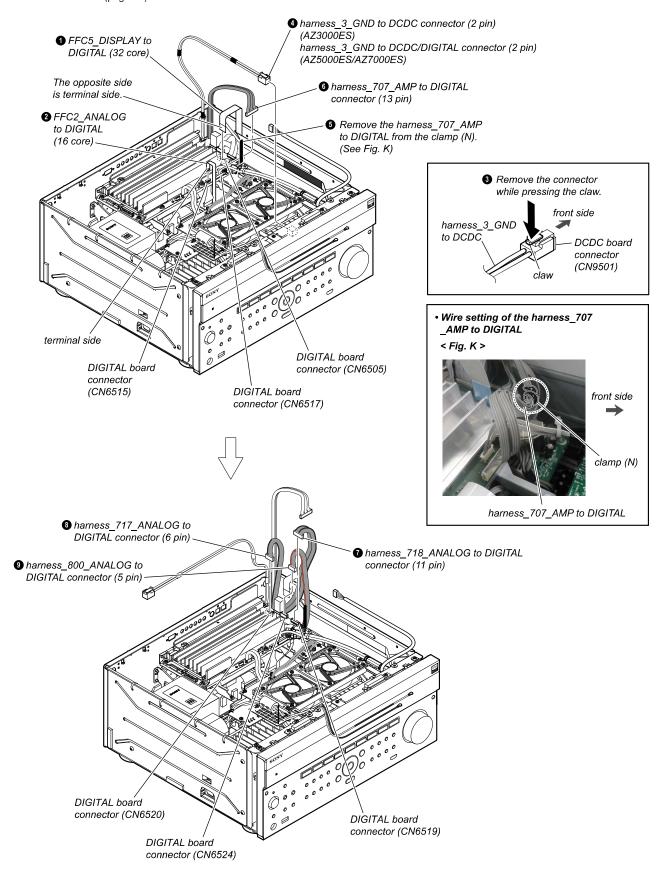
2-11. GENOA BOARD-2

Note 1: When the GENOA board is replaced with a new board, be sure to refer to "NOTE OF REPLACING THE GENOA BOARD" on page 8.



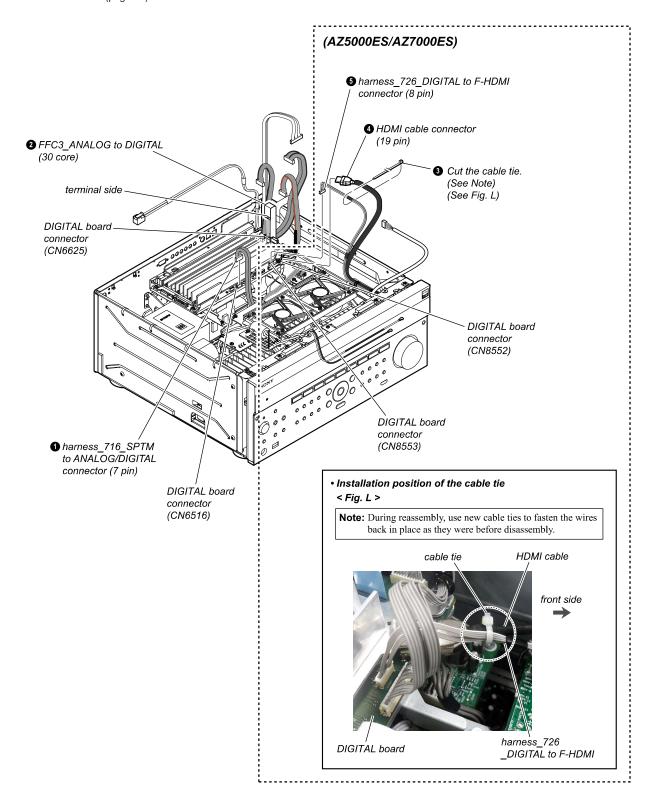
2-12. DIGITAL BOARD BLOCK-1

• Continued on 2-13 (page 27).

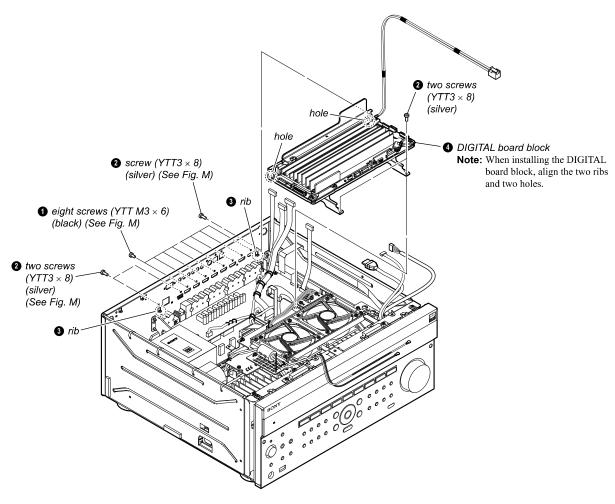


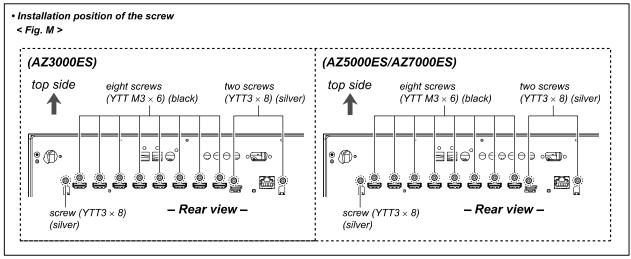
2-13. DIGITAL BOARD BLOCK-2

· Continued on 2-14 (page 28).



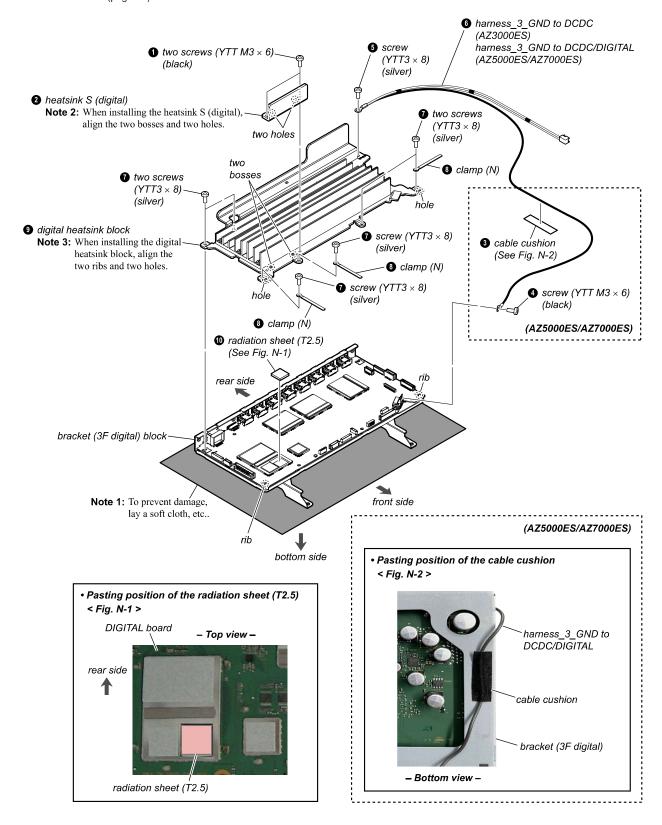
2-14. DIGITAL BOARD BLOCK-3



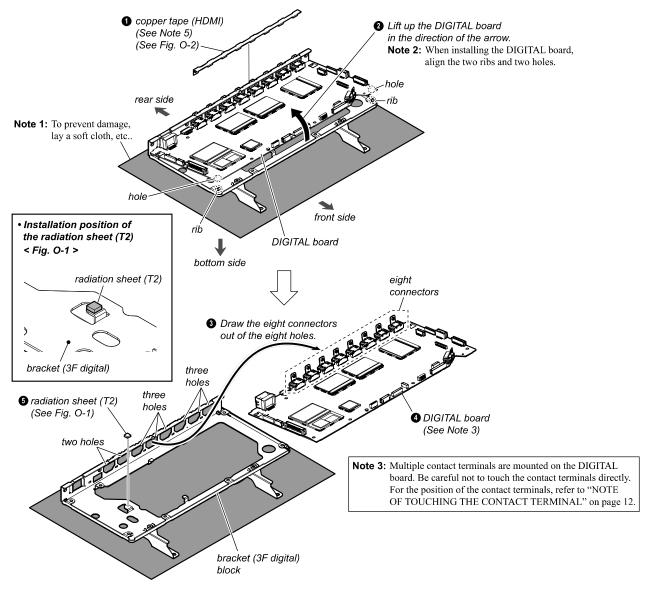


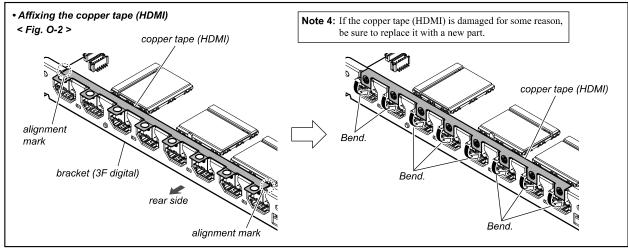
2-15. DIGITAL BOARD-1

· Continued on 2-16 (page 30).



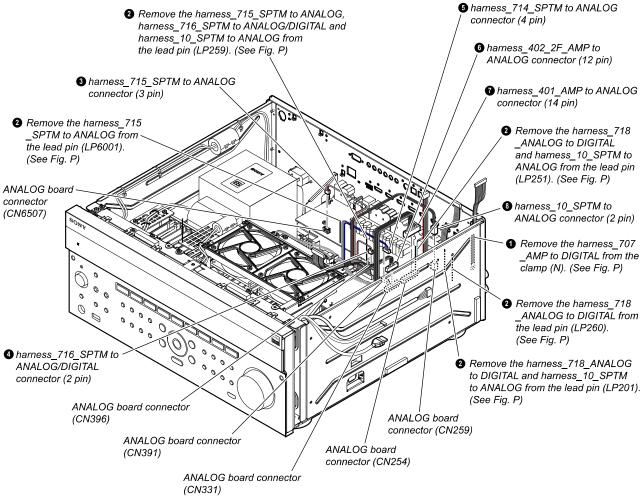
2-16. DIGITAL BOARD-2

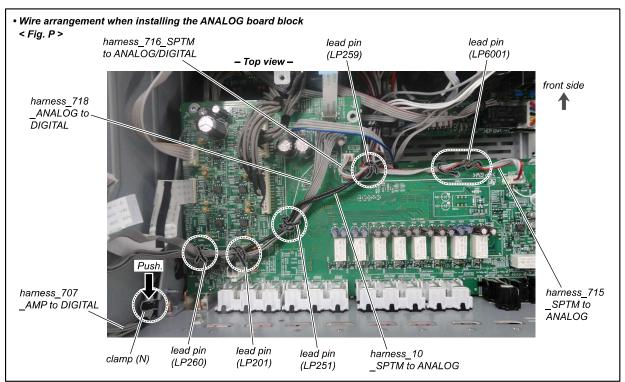




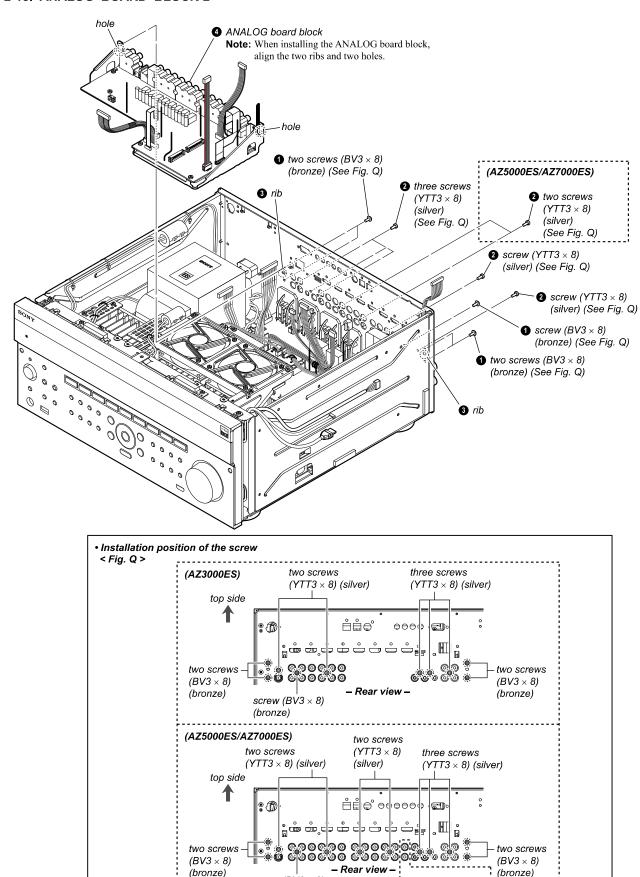
2-17. ANALOG BOARD BLOCK-1

· Continued on 2-18 (page 32).





2-18. ANALOG BOARD BLOCK-2

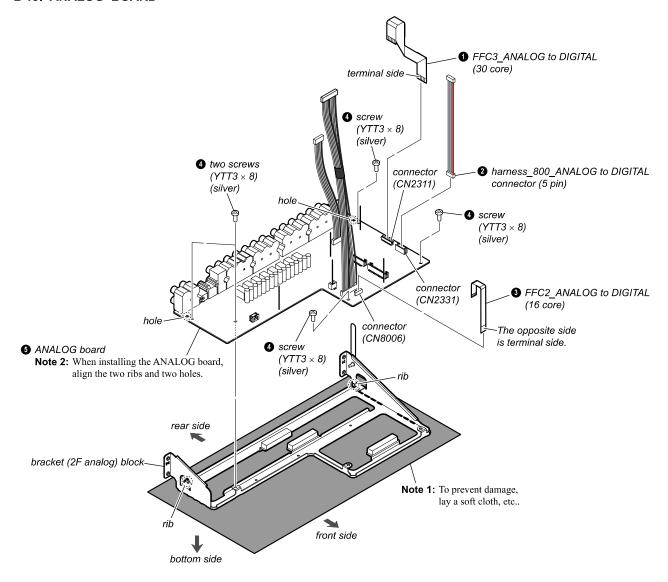


screw (BV3 × 8)

(bronze)

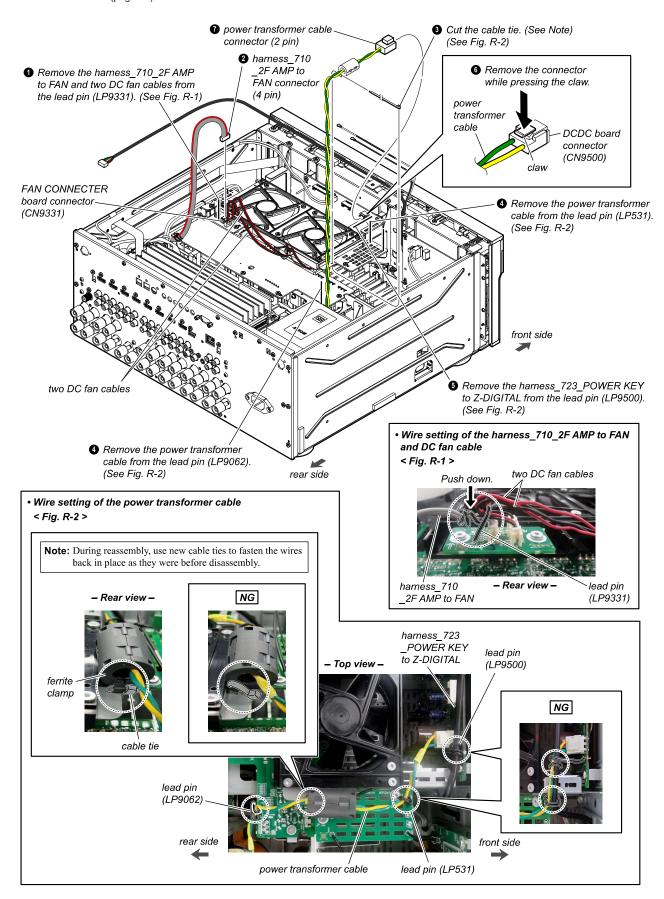
(AZ7000ES)

2-19. ANALOG BOARD

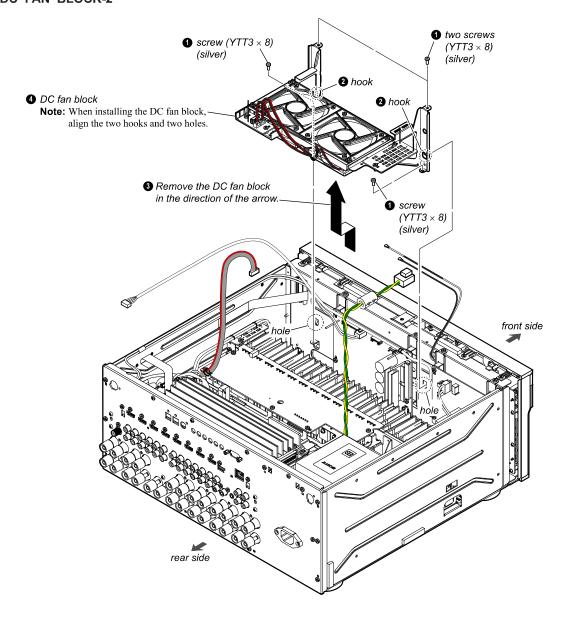


2-20. DC FAN BLOCK-1

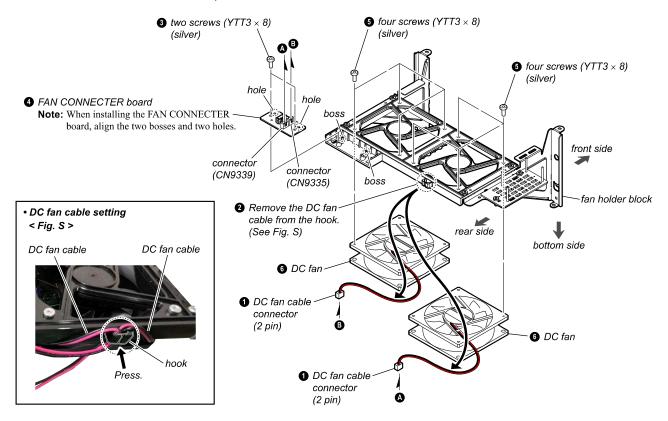
· Continued on 2-21 (page 35).



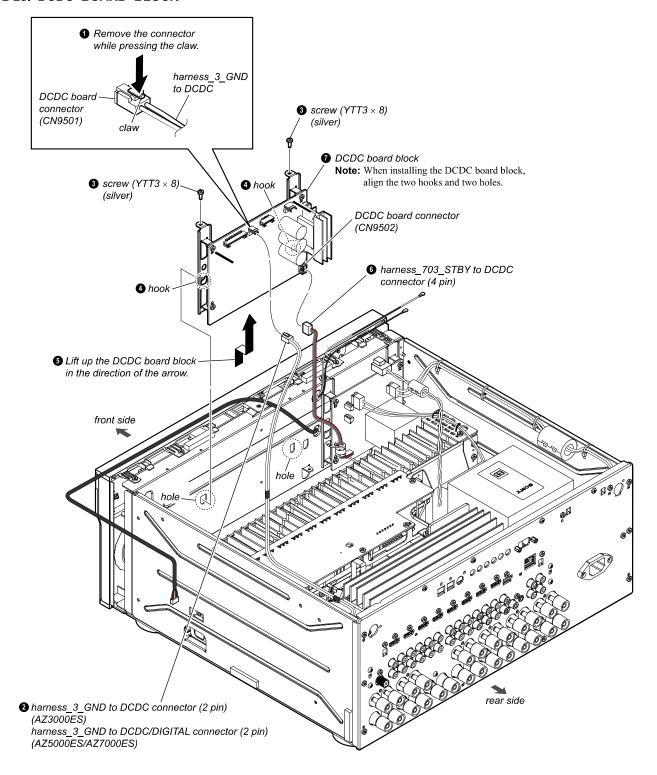
2-21. DC FAN BLOCK-2



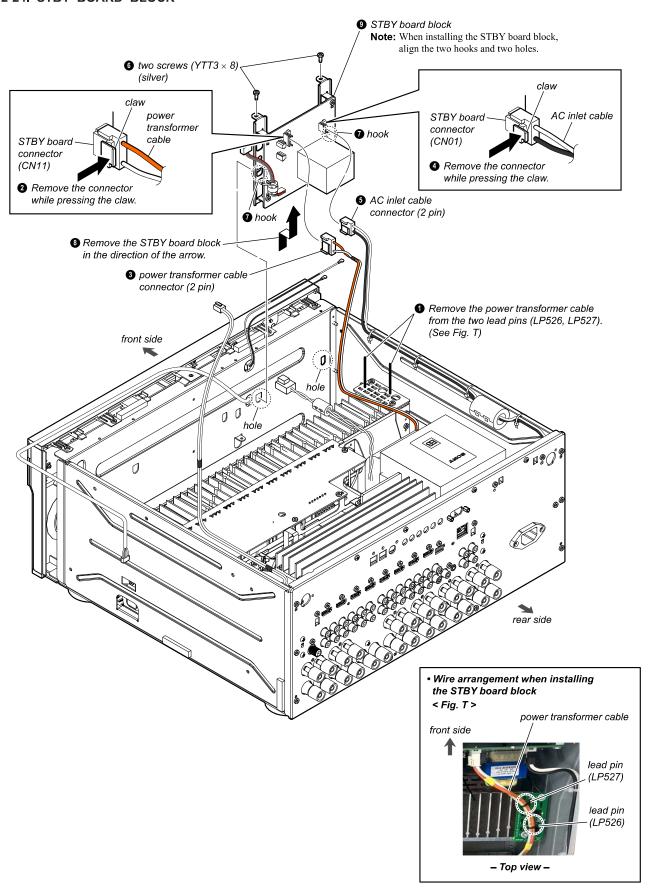
2-22. FAN CONNECTER BOARD, DC FAN



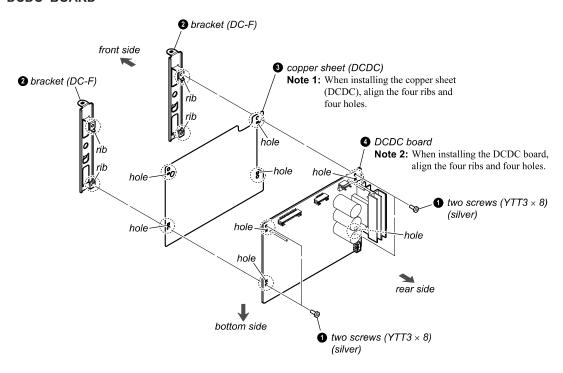
2-23. DCDC BOARD BLOCK



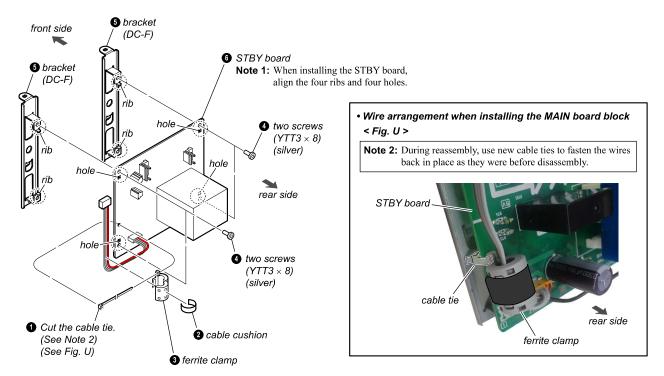
2-24. STBY BOARD BLOCK



2-25. DCDC BOARD

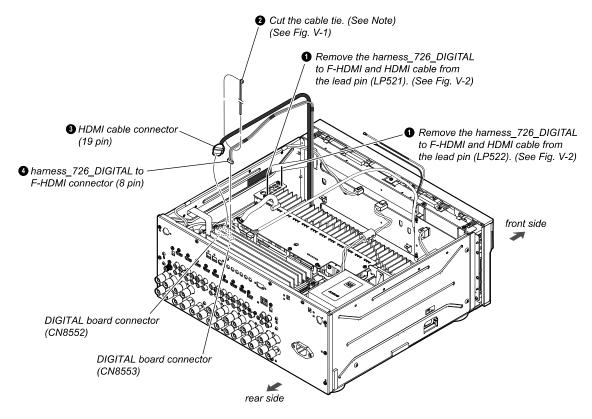


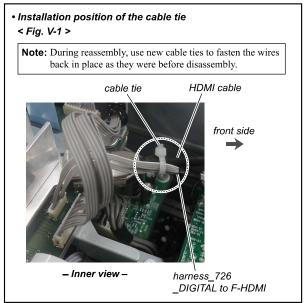
2-26. STBY BOARD

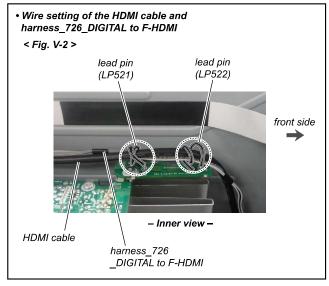


2-27. FRONT PANEL BLOCK-1 (AZ5000ES/AZ7000ES)

· Continued on 2-28 (page 41).

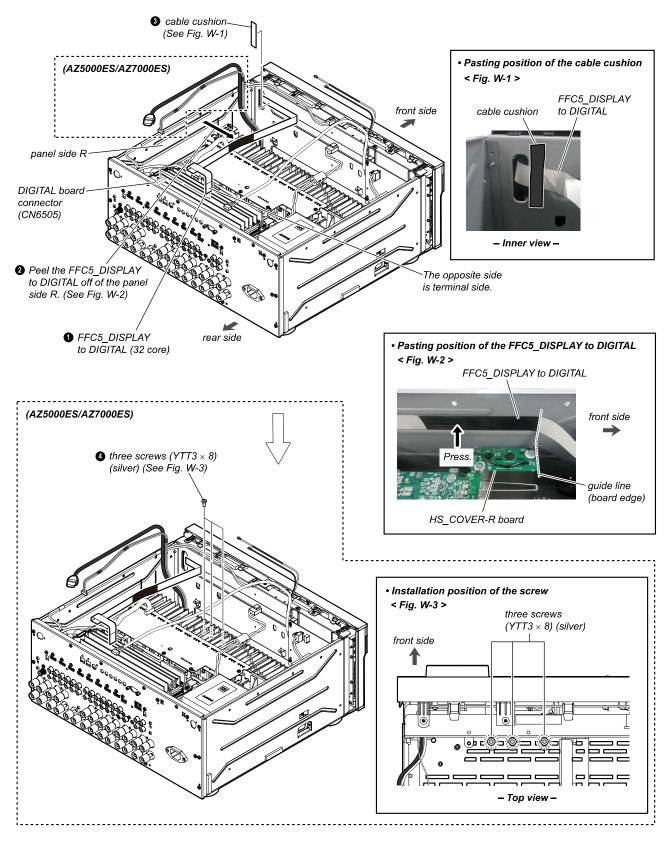




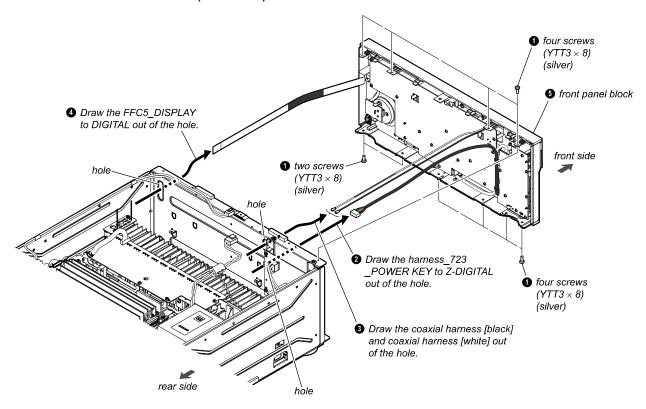


2-28. FRONT PANEL BLOCK-2

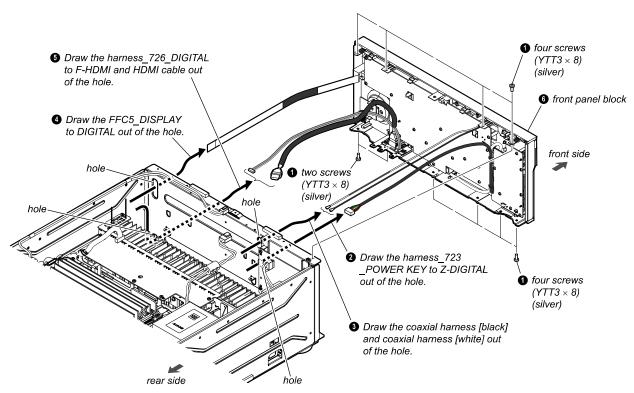
• Continued on 2-29 (AZ3000ES) or 2-30 (AZ5000ES/AZ7000ES) (page 42).



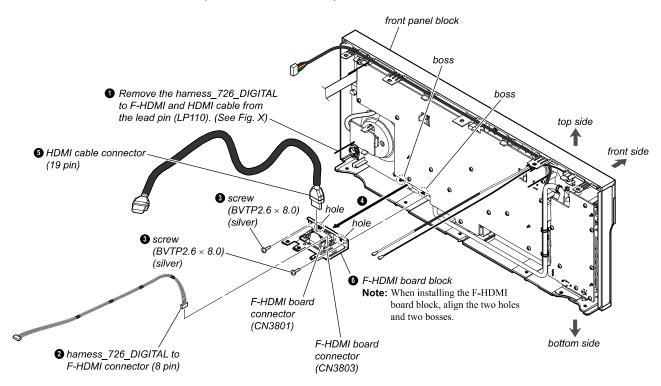
2-29. FRONT PANEL BLOCK-3 (AZ3000ES)

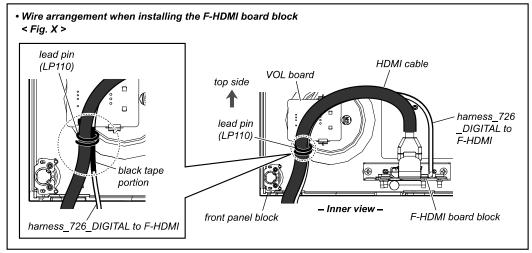


2-30. FRONT PANEL BLOCK-4 (AZ5000ES/AZ7000ES)

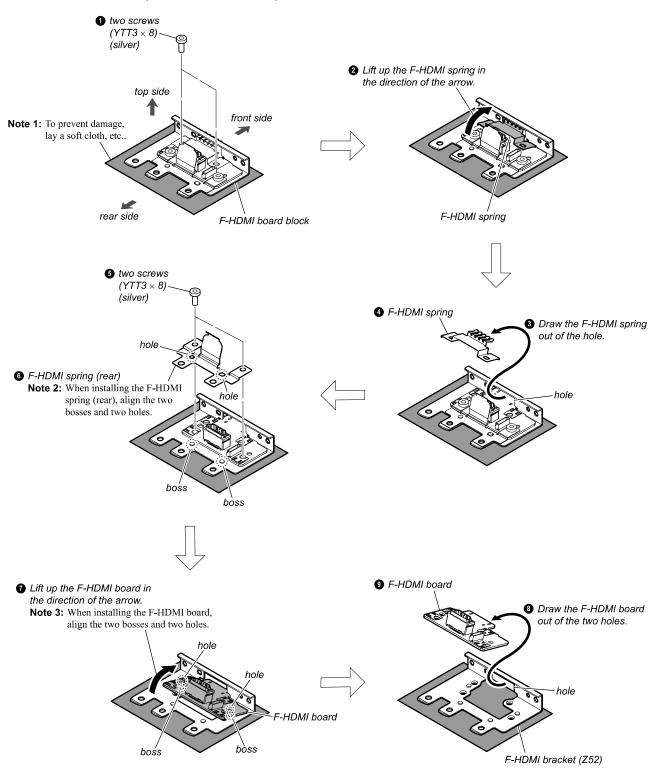


2-31. F-HDMI BOARD BLOCK (AZ5000ES/AZ7000ES)

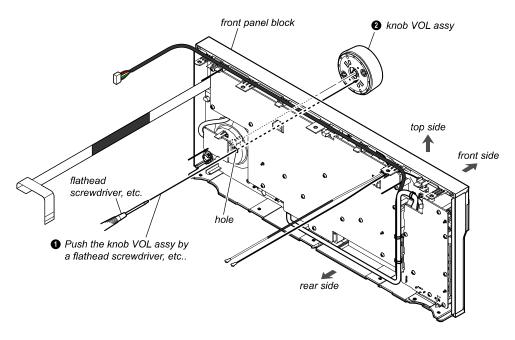


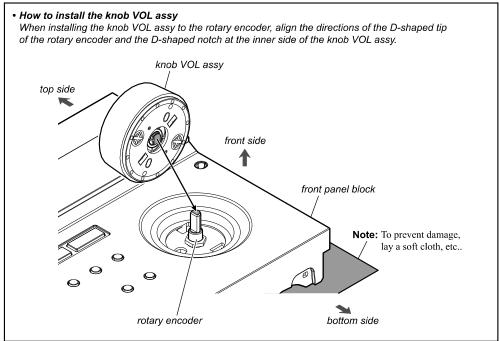


2-32. F-HDMI BOARD (AZ5000ES/AZ7000ES)

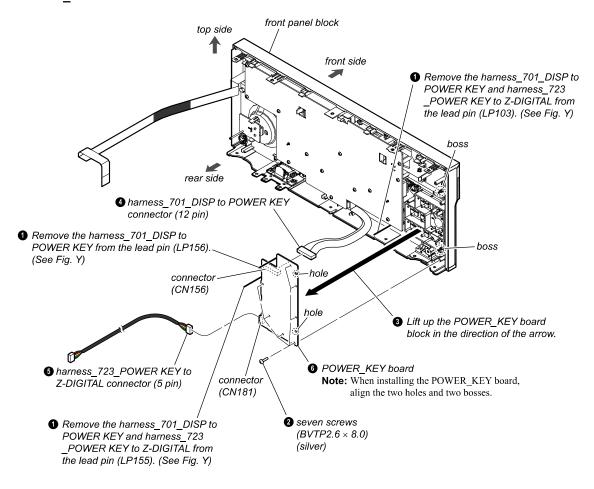


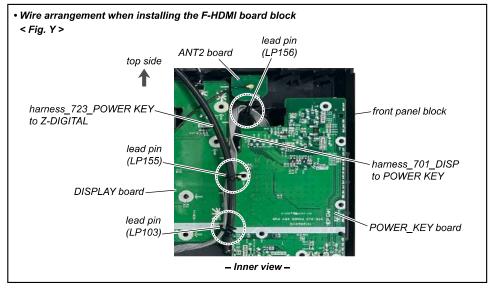
2-33. KNOB VOL ASSY



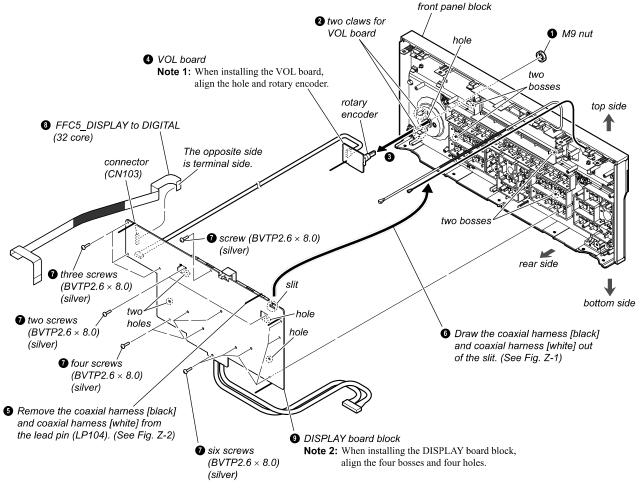


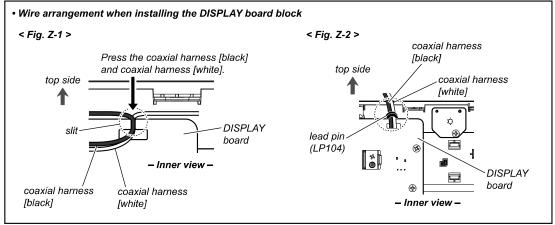
2-34. POWER_KEY BOARD



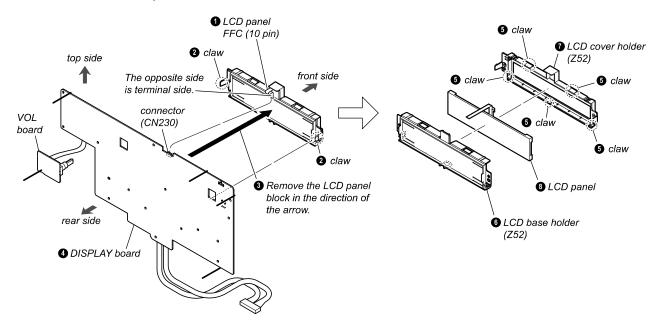


2-35. VOL BOARD, DISPLAY BOARD BLOCK

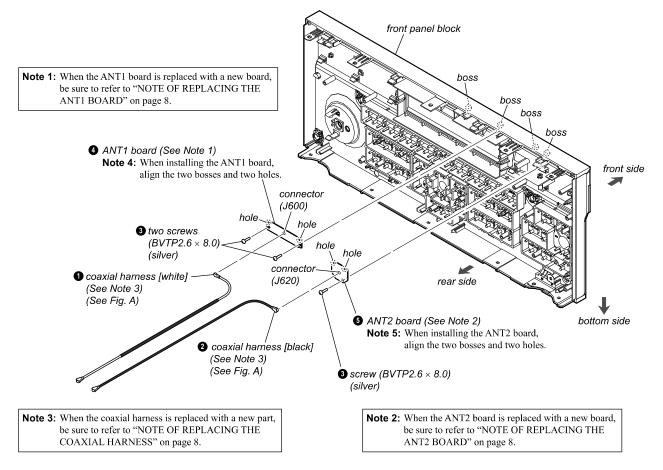


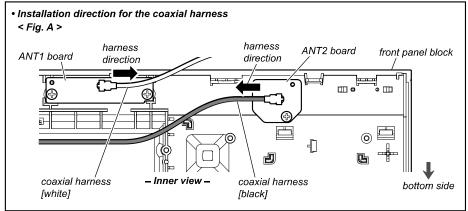


2-36. DISPLAY BOARD, LCD PANEL

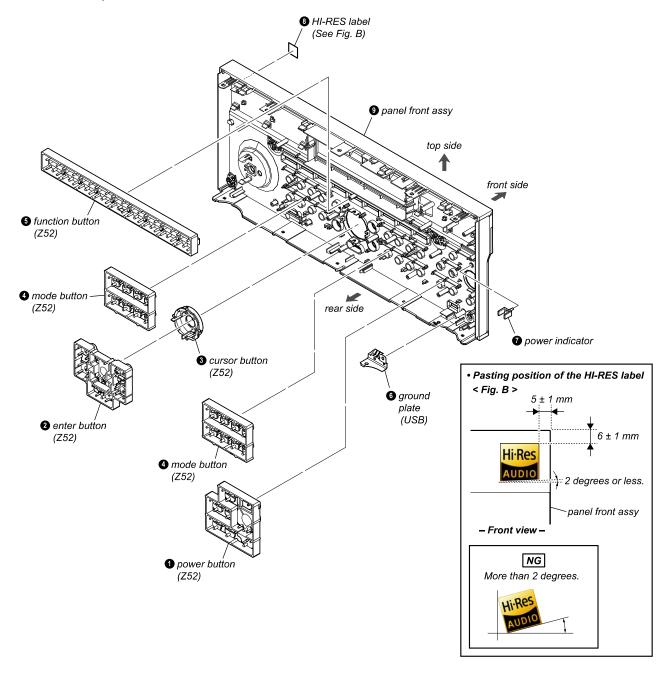


2-37. ANT1 BOARD, ANT2 BOARD



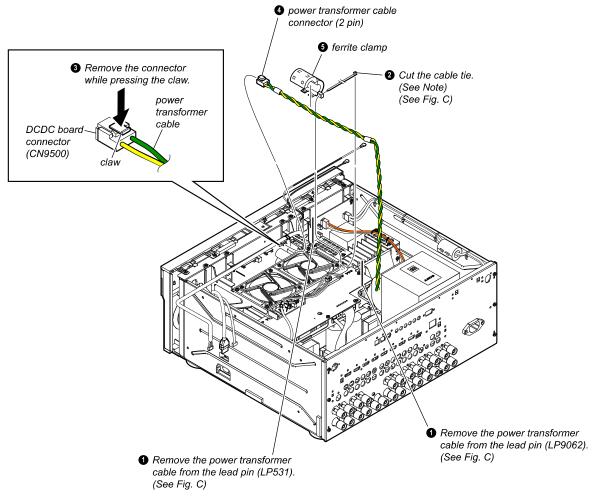


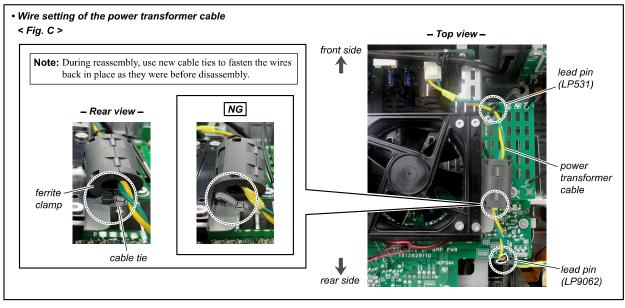
2-38. BUTTON, PANEL FRONT ASSY



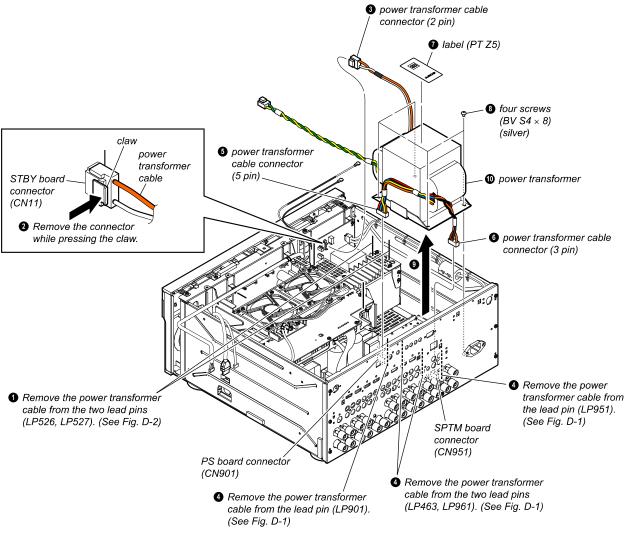
2-39. POWER TRANSFORMER-1

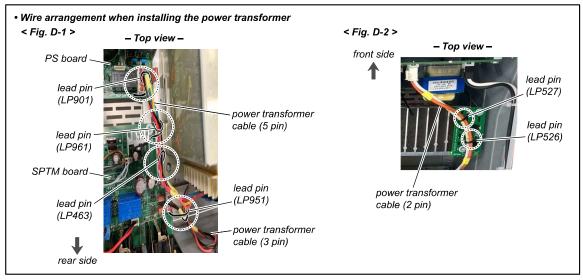
· Continued on 2-40 (page 52).



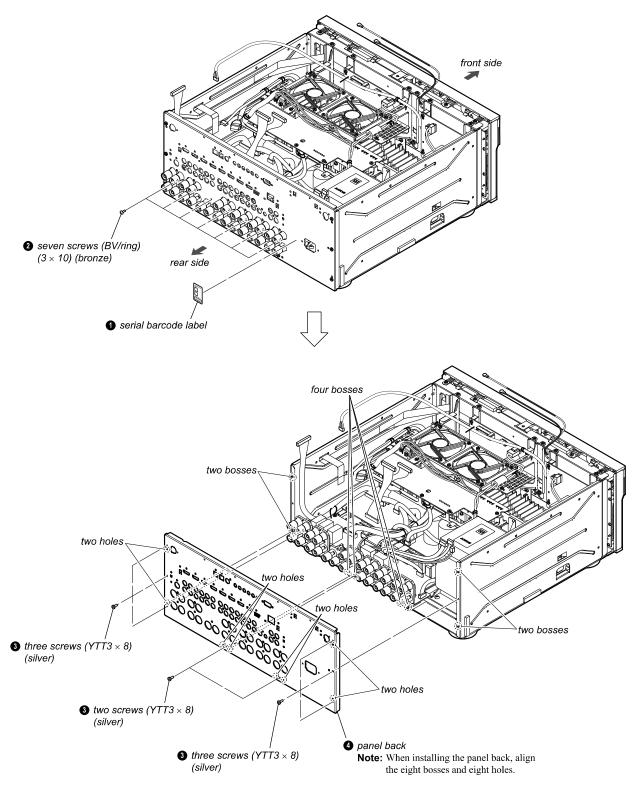


2-40. POWER TRANSFORMER-2

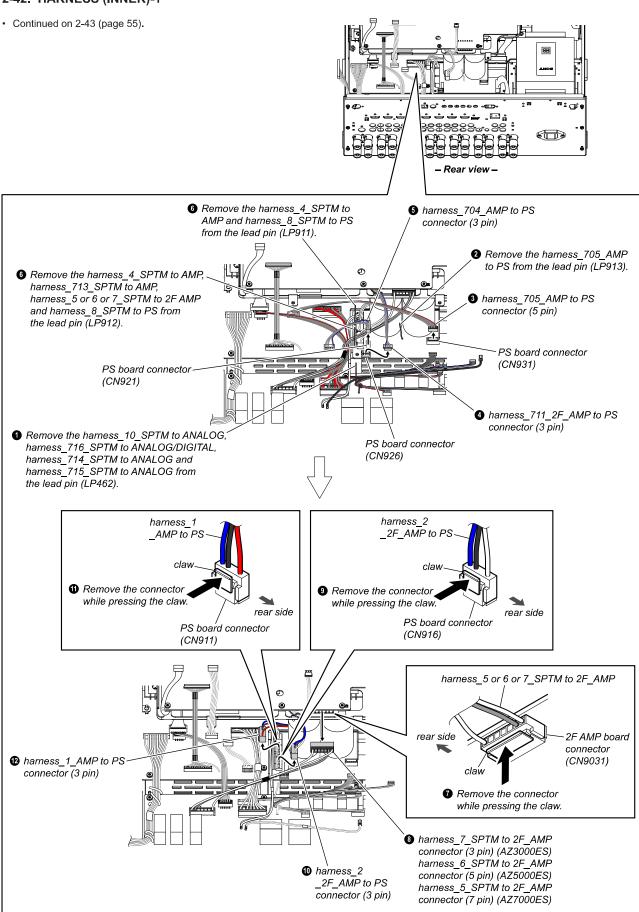




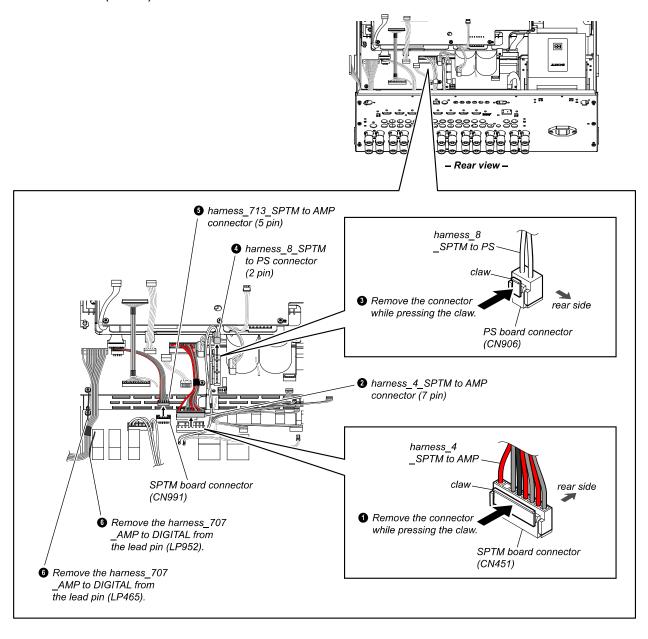
2-41. PANEL BACK



2-42. HARNESS (INNER)-1

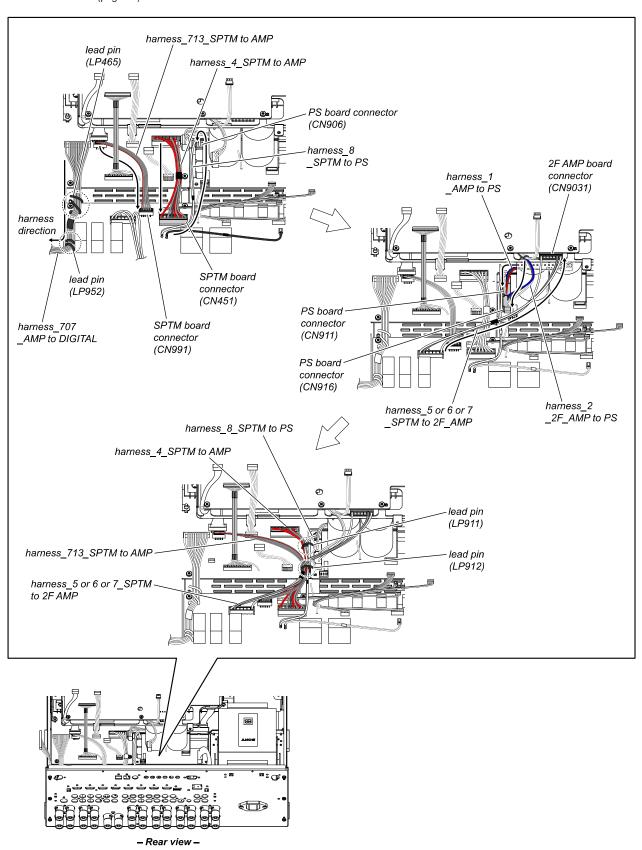


2-43. HARNESS (INNER)-2

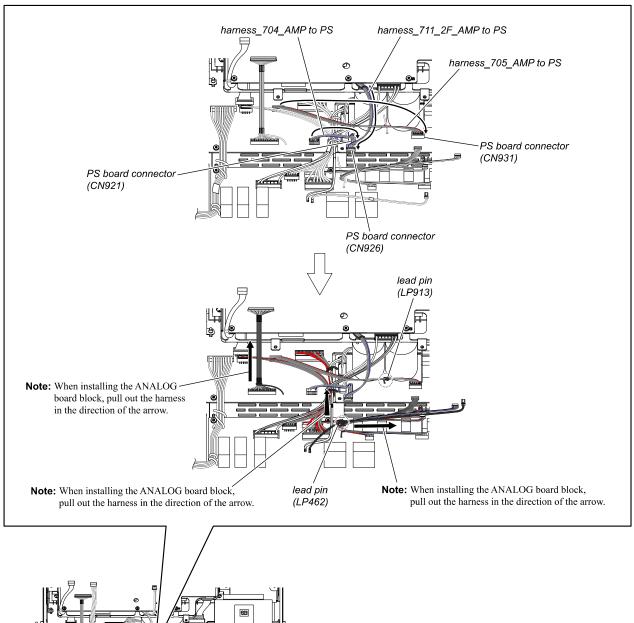


2-44. HOW TO INSTALL THE HARNESS (INNER)-1

· Continued on 2-45 (page 57).

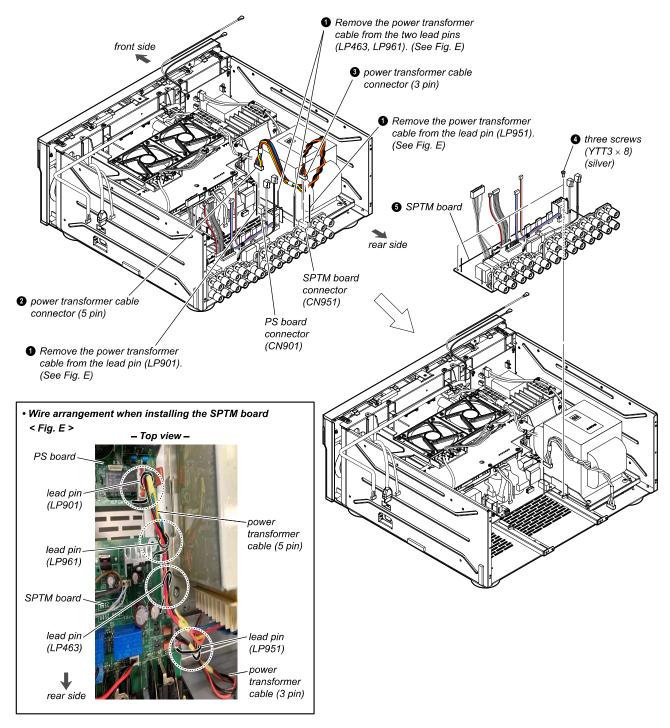


2-45. HOW TO INSTALL THE HARNESS (INNER)-2

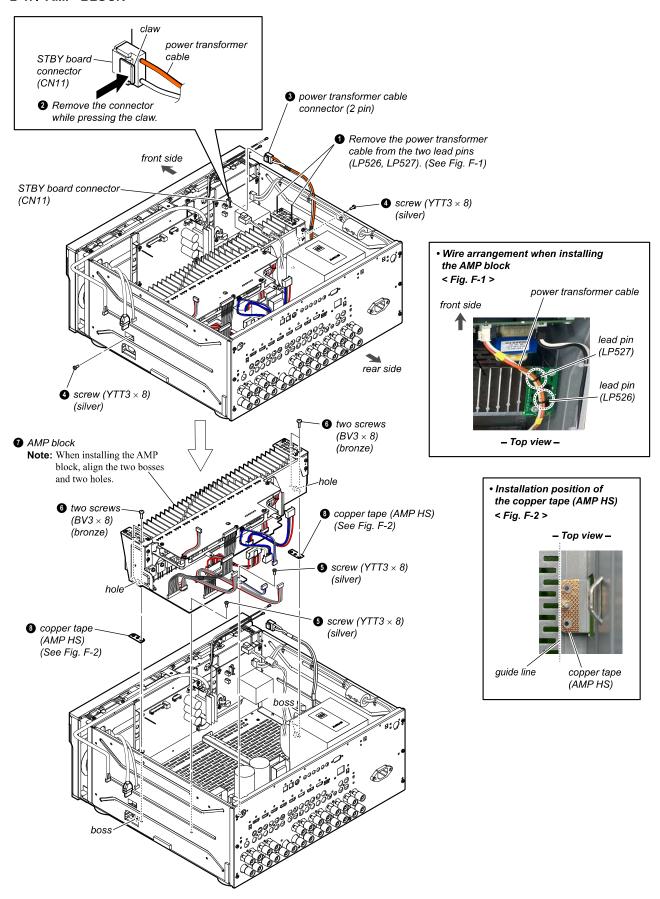


- Rear view -

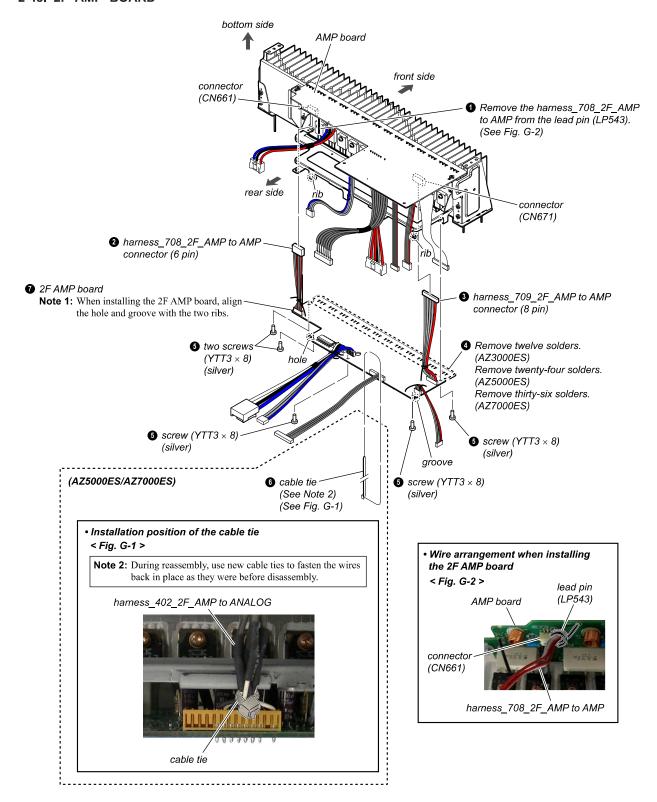
2-46. SPTM BOARD



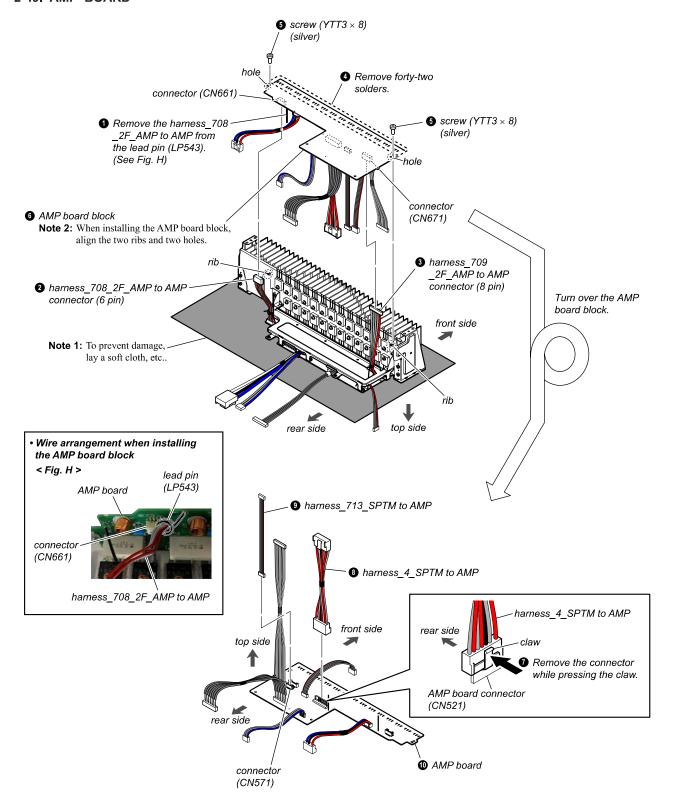
2-47. AMP BLOCK



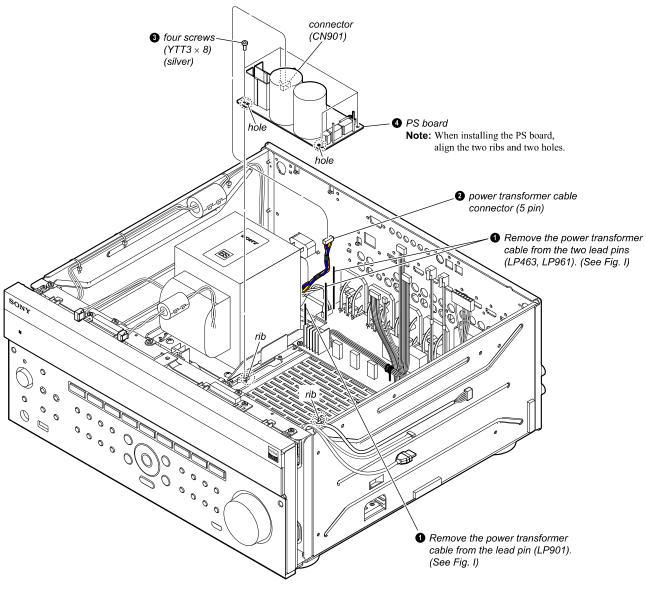
2-48. 2F AMP BOARD

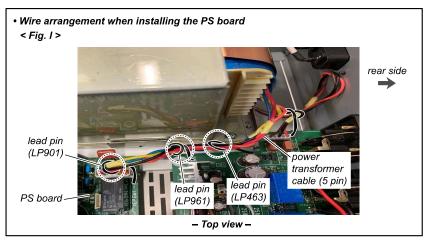


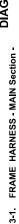
2-49. AMP BOARD



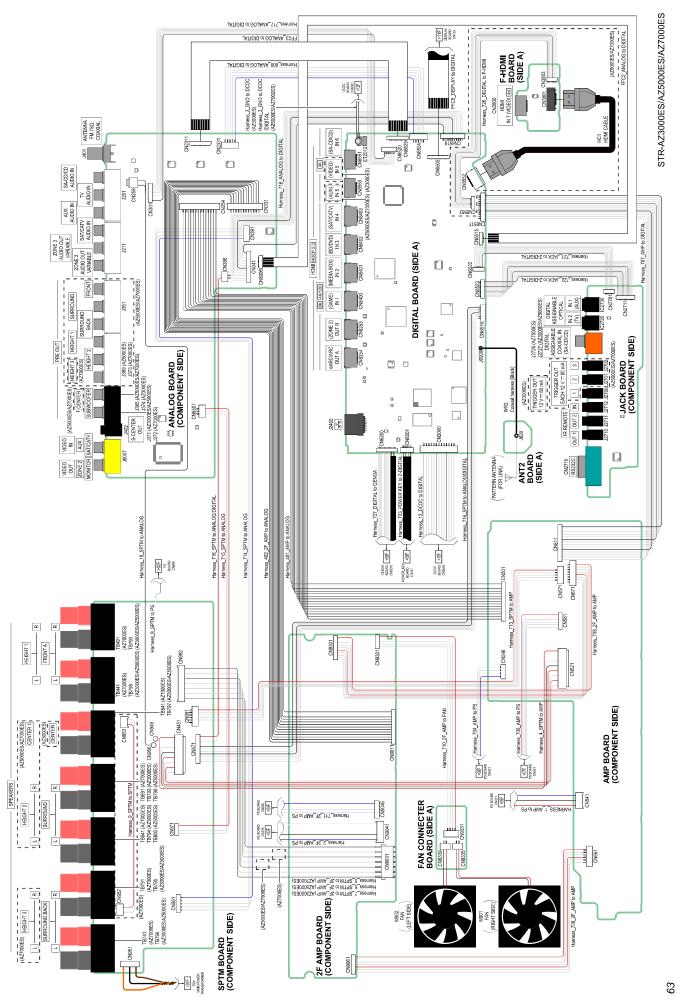
2-50. PS BOARD





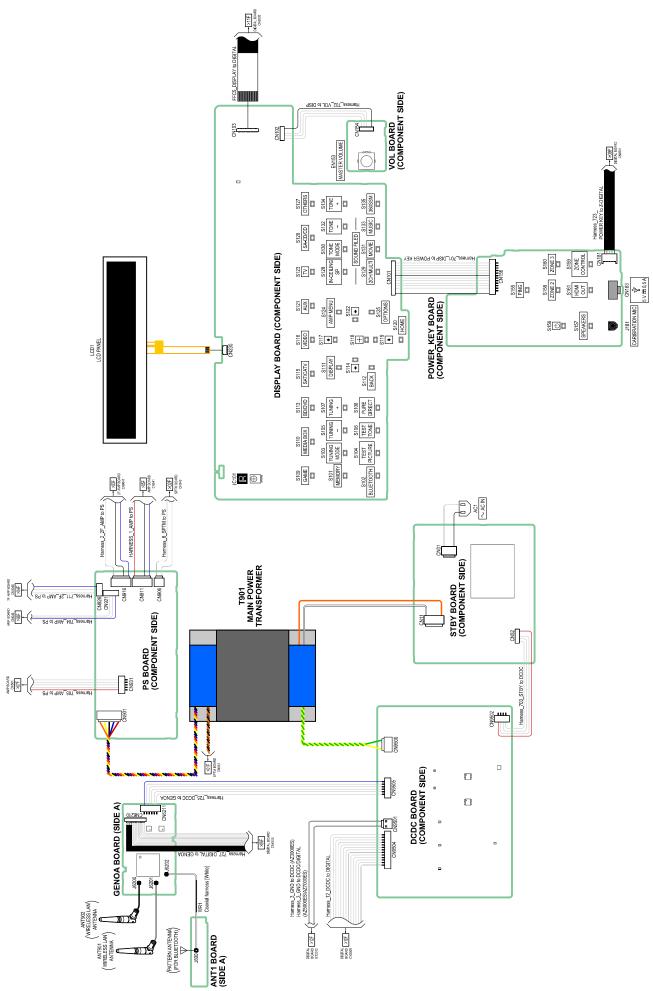






SYS SET





SYS SET

STR-AZ3000ES/AZ5000ES/AZ7000ES

SECTION 4 EXPLODED VIEWS

Note:

- · -XX and -X mean standardized parts, so they may have some difference from the original one.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not sup-

· Color Indication of Appearance Parts Exam-

KNOB, BALANCE (WHITE) . . . (RED)

Parts Color Cabinet's Color

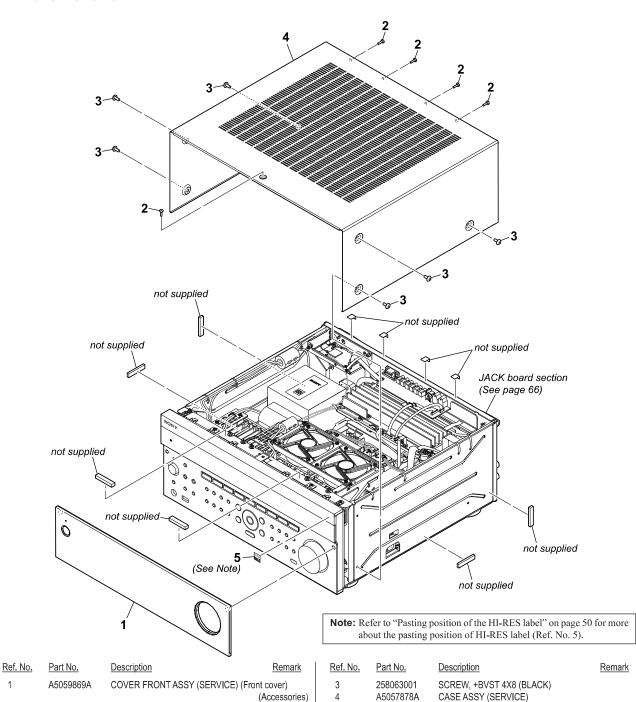
The exploded views uses an illustration of the STR-AZ7000ES.

However, an illustration of the STR-AZ-3000ES/AZ5000ES is used in "4-13. HEAT-SINK SECTION" (page 77) only.

The components identified by mark A or dotted line with mark rianlge riangle are critical for

Replace only with part number specified.

4-1. CASE SECTION



1

2

390688711

SCREW (+BTP) (DIA. 3) (BZN-N) (L=8.0 mm)

(BLACK)

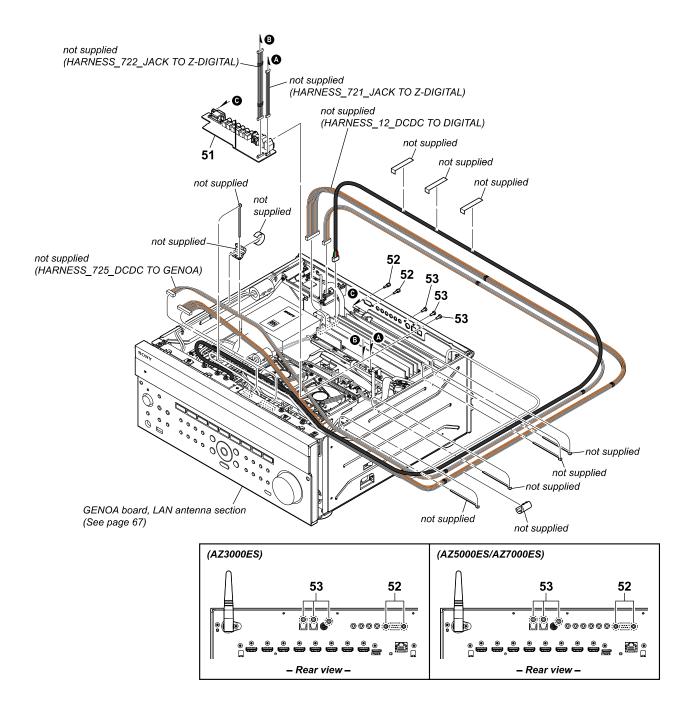
5

447746532

(Including Spacer cushion (T6), TEF tape, Slion tape)

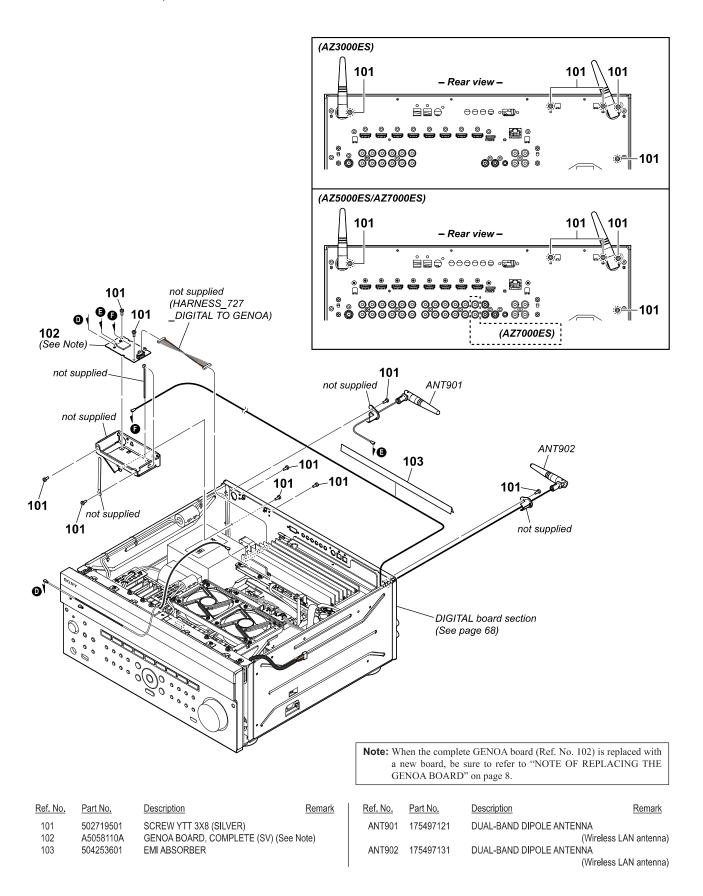
HI-RES LABEL (See Note)

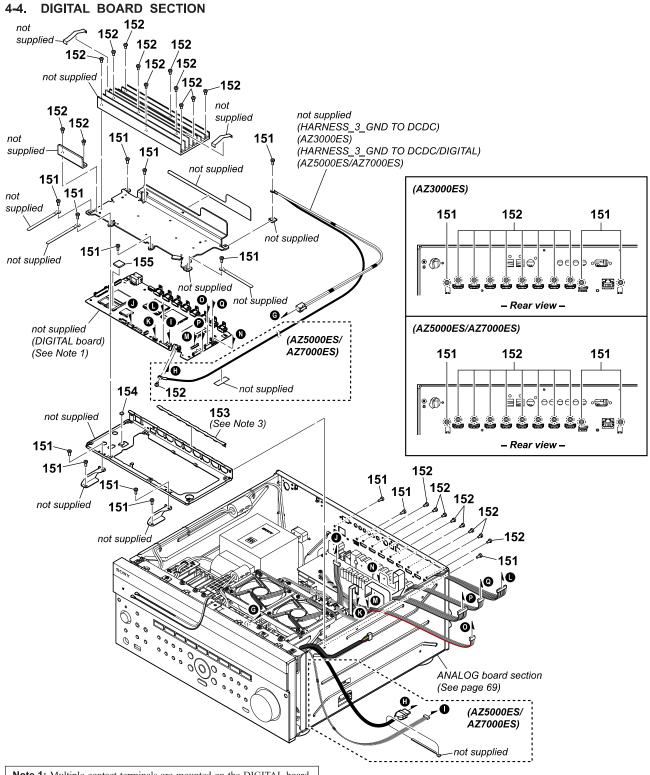
4-2. JACK BOARD SECTION



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	<u>Description</u>	Remark
51	A5058132A	JACK BOARD, COMPLETE (SV) (AZ700	0ES)	52	504263701	SCREW, HEX SPACER (SILVER)	
51	A5058141A	JACK BOARD, COMPLETE (SV) (AZ500	0ES)	53	502719501	SCREW YTT 3X8 (SILVER)	
51	A5058147A	JACK BOARD, COMPLETE (SV) (AZ300	0ES)				

4-3. GENOA BOARD, LAN ANTENNA SECTION





Note 1: Multiple contact terminals are mounted on the DIGITAL board.

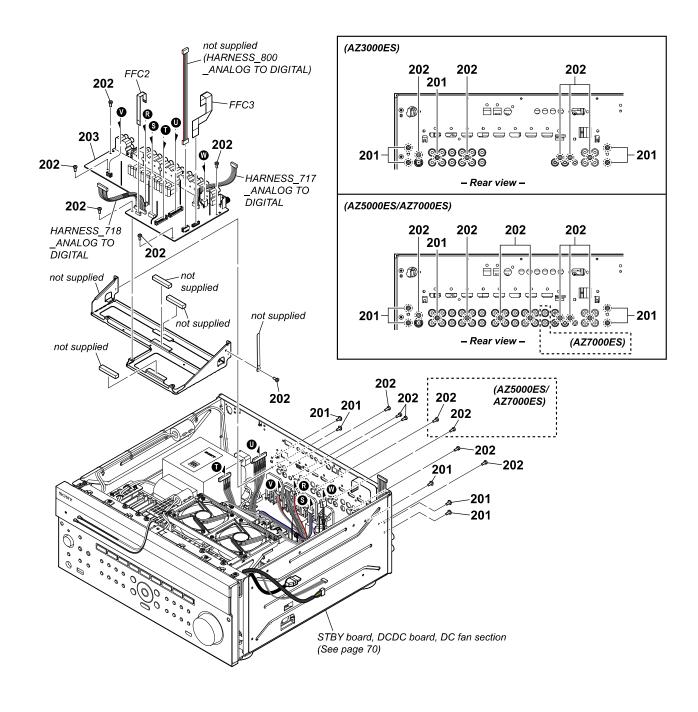
Be careful not to touch the contact terminals directly. For the position of the contact terminals, refer to "NOTE OF TOUCHING THE CONTACT TERMINAL" on page 12.

Ref. No.	Part No.	<u>Description</u>	Remark
151	502719501	SCREW YTT 3X8 (SILVER)	
152	502719711	SCREW YTT M3X6 (BLACK)	
153	504076401	TAPE, COPPER (HDMI) (See Note 2)	

Note 2: If the copper tape (HDMI) (Ref. No. 153) is damaged for some reason, be sure to replace it with a new part.

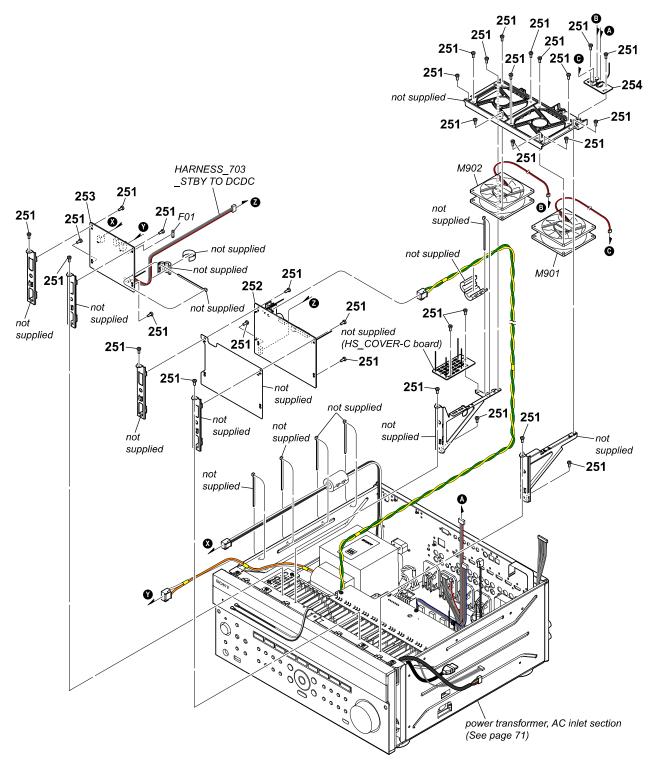
Ref. No.	Part No.	<u>Description</u>	Remark
154	503887501	SHEET, RADIATION (T2)	
155	504215401	SHEET, RADIATION (T2.5) (14 mm x 14	mm)

4-5. ANALOG BOARD SECTION



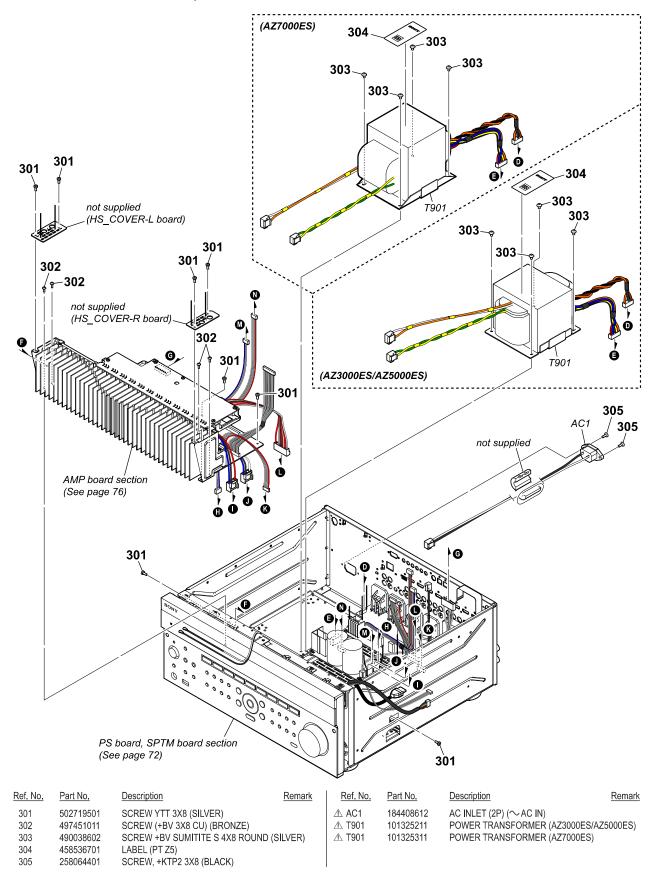
Ref. No.	Part No.	<u>Description</u>	Remark	Ref. No.	Part No.	<u>Description</u>	Remark
201	497451011	SCREW (+BV 3X8 CU) (BRONZE)		203	A5058154A	ANALOG BOARD, COMPLETE (SV) (AZ	(3000ES)
202	502719501	SCREW YTT 3X8 (SILVER)					
203	A5058139A	ANALOG BOARD, COMPLETE (SV) (AZ	7000ES)	FFC2	101370511	FFC2_ANALOG TO DIGITAL (16 core)	
203	A5058146A	ANALOG BOARD, COMPLETE (SV) (AZ	(5000ES)	FFC3	101357811	FFC3_ANALOG TO DIGITAL (30 core)	

4-6. STBY BOARD, DCDC BOARD, DC FAN SECTION

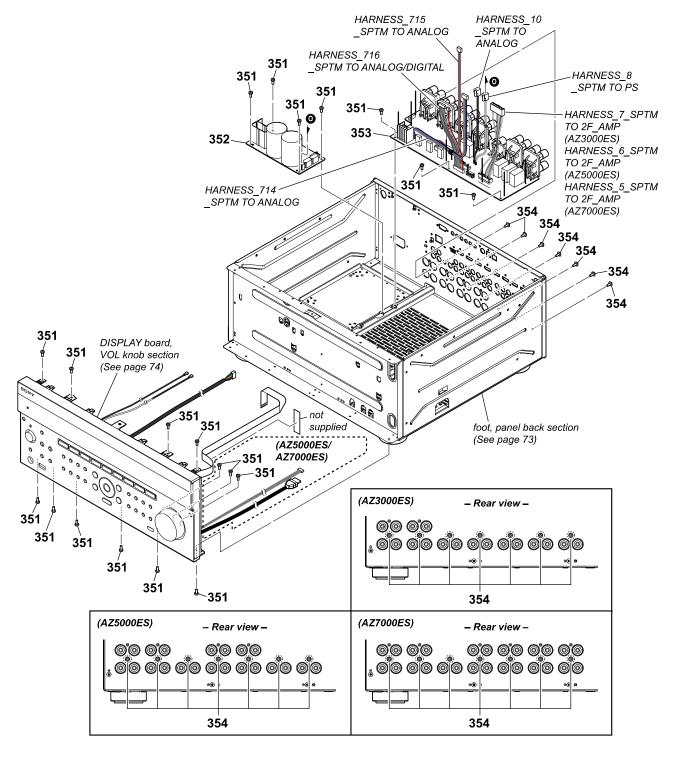


Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	<u>Description</u>	Remark
251 252	502719501 A5058140A	SCREW YTT 3X8 (SILVER) DCDC BOARD, COMPLETE (SV)		△ F01	153250633	FUSE (T 6.3 AL/250 V)	
253 254	A5058133A A5058137A	STBY BOARD, COMPLETE (SV) FAN CONNECTER BOARD, COMPLETE ((SV)	M901 M902	185500641 185500641	FAN, DC FAN, DC	

4-7. POWER TRANSFORMER, AC INLET SECTION

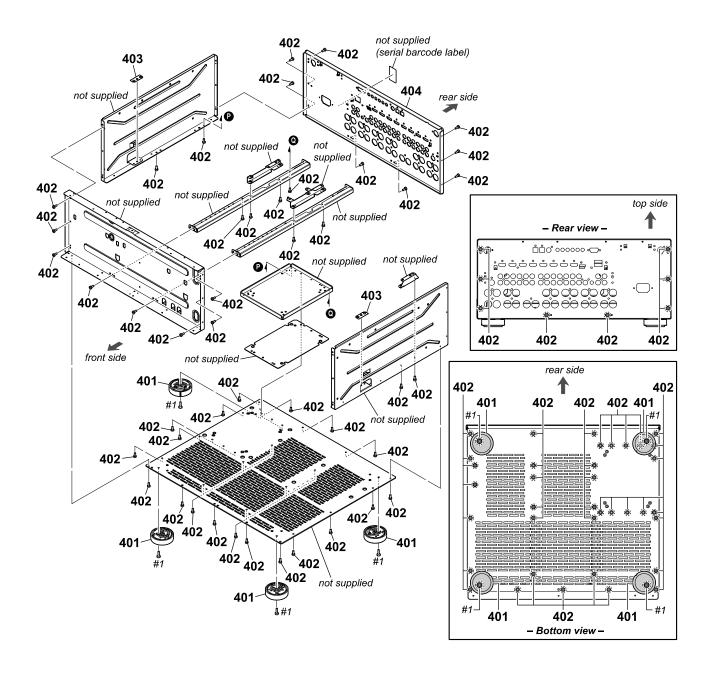


4-8. PS BOARD, SPTM BOARD SECTION



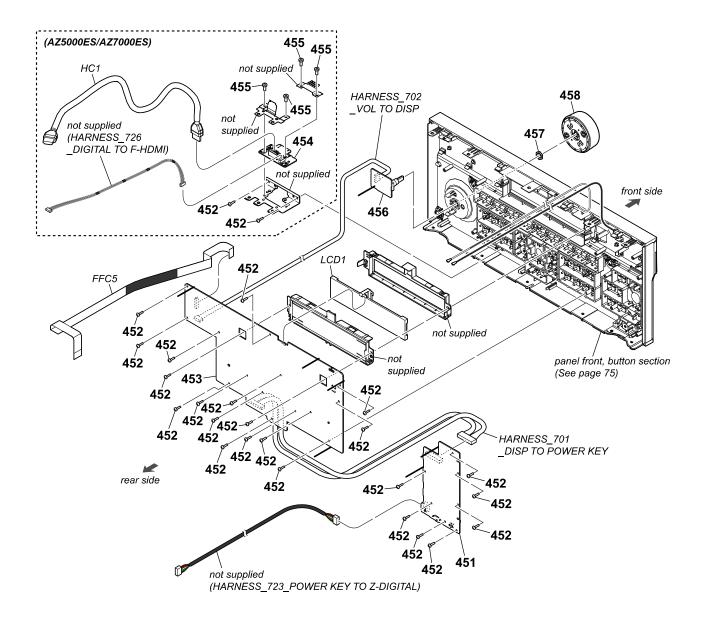
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
351 352	502719501 A5058136A	SCREW YTT 3X8 (SILVER) PS BOARD, COMPLETE (SV) (AZ7000ES	2)	353	A5058138A	SPTM BOARD, COMPLETE (SV) (AZ700	00ES)
352	A5058144A	PS BOARD, COMPLETE (SV) (AZ5000ES	s)	353	A5058145A	SPTM BOARD, COMPLETE (SV) (AZ500	,
352	A5058152A	PS BOARD, COMPLETE (SV) (AZ3000ES)	353 354	A5058153A 370451551	SPTM BOARD, COMPLETE (SV) (AZ300 SCREW (BV/RING) (3X10) (BRONZE)	10ES)

4-9. FOOT, PANEL BACK SECTION



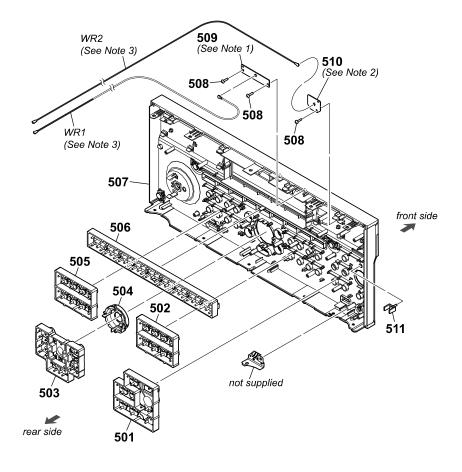
Ref. No.	Part No.	<u>Description</u>	Remark	Ref. No.	Part No.	<u>Description</u>	Remark
401	X50032451	FOOT (Z) ASSY (with Foot cushion (Z))		404	503514611	PANEL BACK (AZ5000ES)	
402	502719501	SCREW YTT 3X8 (SILVER)					
403	504702901	TAPE, COPPER (AMP HS)		404	503514621	PANEL BACK (AZ7000ES)	
404	503514601	PANEL BACK (AZ3000ES)		#1	768588609	SCREW +BVTT 4X20 (S) (BLACK)	

4-10. DISPLAY BOARD, VOL KNOB SECTION



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	<u>Description</u>	<u>Remark</u>
451	A5058131A	POWER_KEY BOARD, COMPLETE (SV)		457	504211201	NUT, M9	
452	308705301	+BVTP2.6 (3CR) (L=8.0 mm) (SILVER)		458	A5059738A	KNOB VOL ASSY (SERVICE)	
453	A5058129A	DISPLAY BOARD, COMPLETE (SV)				(Including Ring s	pring, Base knob (Z52))
454	A5055391A	F-HDMI BOARD, COMPLETE (SERVICE)		FFC5	101746411	FFC5_DISPLAY TO DIGITAL (32 core)
		(AZ5000ES/	AZ7000ES)	HC1	184832411	HDMI CABLE (AZ5000ES/AZ7	000ES)
455	502719501	SCREW YTT 3X8 (SILVER) (AZ5000ES/A	Z7000ES)				
				LCD1	101314311	PANEL, LCD	
456	A5058130A	VOL BOARD, COMPLETE (SV)					

4-11. PANEL FRONT, BUTTON SECTION



Note 1: When the complete ANT1 board (Ref. No. 509) is replaced with a new board, be sure to refer to "NOTE OF REPLACING THE ANT1 BOARD" on page 8.

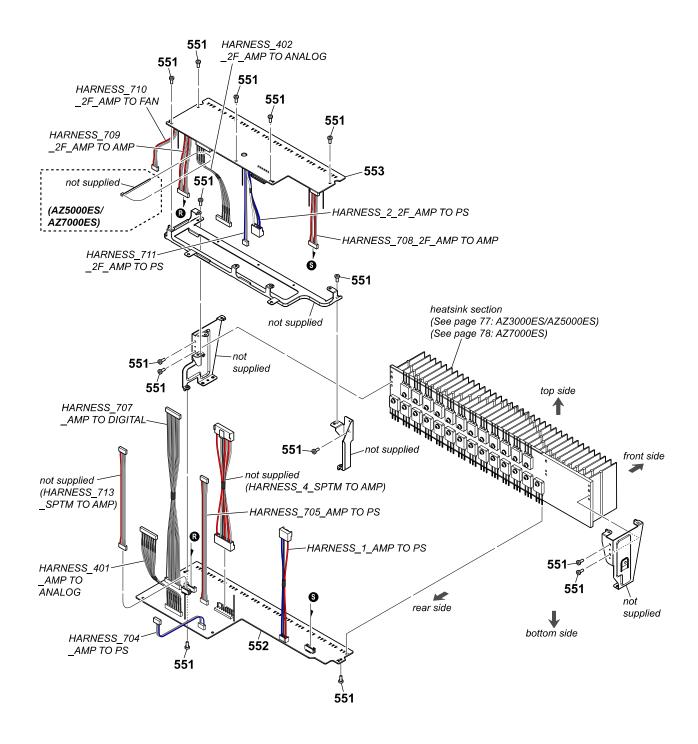
Note 2: When the complete ANT2 board (Ref. No. 510) is replaced with a new board, be sure to refer to "NOTE OF REPLACING THE ANT2 BOARD" on page 8.

Note 3: When the coaxial harness (Ref. No. WR1, WR2) is replaced with a new part, be sure to refer to "NOTE OF REPLACING THE COAXIAL HARNESS" on page 8.

Ref. No.	Part No.	Description	Remark	Ret. No.	Part No.
501	503513901	BUTTON, POWER (Z52) (🖰, PING, ZON	· ·	507	A50550
502	503513801	ZONE 3, SPEAKERS, HDMI OUT, ZONE BUTTON, MODE (Z52) (MEMORY, TUNII	,	507	A50550
302	303313001	TUNING-, TUNING+, BLUETOOTH, TES		307	A303300
		TEST TONE, PU	RE DIRECT)	507	A505509
503	503514001	BUTTON, ENTER (Z52) (DISPLAY, AMP	MENU,		
		BACK, OPTION	ONS, HOME)	508	3087053
504	503514101	BUTTON, CURSOR (Z52) (♠, ◆, ◆, ◆)			
505	503513801	BUTTON, MODE (Z52) (IN-CEILING SP,		509	A50581
		TONE MODE, TONE-, TONE+, 2CH/MU	JLTI, MOVIE,	510	A50581
		MUS	IC, 360SSM)	511	4534381
				WR1	1015394
506	503513701	BUTTON, FUNCTION (Z52) (GAME, MEI	DIA BOX,		
		BD/DVD, SAT/CATV, VIDEO, AUX, TV	', SA-CD/CD, OTHERS)	WR2	1015393

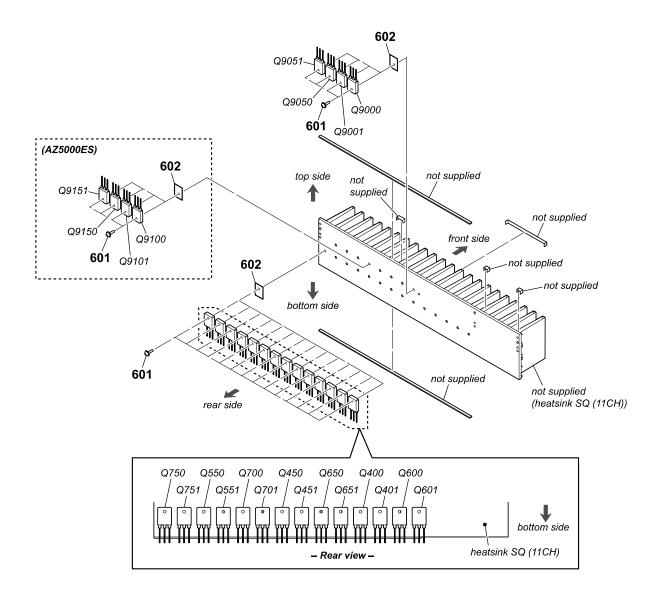
Ref. No.	Part No.	Description	Remark
507	A5055088A	PANEL FRONT ASSY (SERVICE) (Inclusive sheet (magnet), Magnet	•
507	A5055089A	PANEL FRONT ASSY (SERVICE) (Inclusion sheet (magnet), Magnet	•
507	A5055090A	PANEL FRONT ASSY (SERVICE) (Inclusion sheet (magnet), Magnet	0
508	308705301	+BVTP2.6 (3CR) (L=8.0 mm) (SILVER)	
509	A5058111A	ANT1 BOARD, COMPLETE (SV) (See N	lote 1)
510	A5058112A	ANT2 BOARD, COMPLETE (SV) (See N	lote 2)
511	453438102	INDICATOR, POWER (🖰)	
WR1	101539411	HARNESS, COAXIAL (WHITE, L=520 m	ım)
			(See Note 3)
WR2	101539311	HARNESS, COAXIAL (BLACK, L=410 m	ım)
			(See Note 3)

4-12. AMP BOARD SECTION



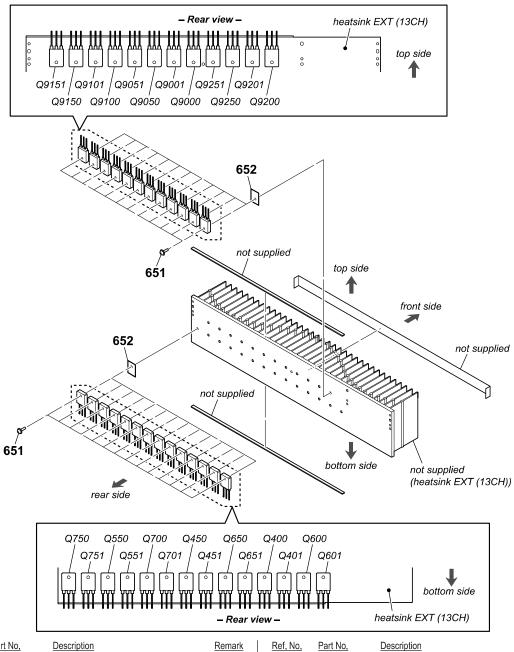
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	<u>Description</u>	Remark
551	502719501	SCREW YTT 3X8 (SILVER)		553	A5058135A	2F AMP BOARD, COMPL	ETE (SV) (AZ7000ES)
552	A5058134A	AMP BOARD, COMPLETE (SV) (AZ7000I	ES)				
552	A5058142A	AMP BOARD, COMPLETE (SV) (AZ5000I	ES)	553	A5058143A	2F AMP BOARD, COMPL	ETE (SV) (AZ5000ES)
552	A5058148A	AMP BOARD, COMPLETE (SV) (AZ30001	ES)	553	A5058151A	2F AMP BOARD, COMPL	ETE (SV) (AZ3000ES)

4-13. HEATSINK SECTION (AZ3000ES/AZ5000ES)



Ref. No.	Part No.	Description	<u>R</u> e	emark	Ref. No.	Part No.	Description	Remark	
601	390560913	SCREW (TRANSI	STOR) (3X14) (BRONZE)		Q700	690338301	TRANSISTOR	2SD2560	
602	504348101	SHEET, MICA			Q701	690338401	TRANSISTOR	2SB1647	
Q400	690338301	TRANSISTOR	2SD2560		Q750	690338301	TRANSISTOR	2SD2560	
Q401	690338401	TRANSISTOR	2SB1647						
Q450	690338301	TRANSISTOR	2SD2560		Q751	690338401	TRANSISTOR	2SB1647	
					Q9000	690338301	TRANSISTOR	2SD2560	
Q451	690338401	TRANSISTOR	2SB1647		Q9001	690338401	TRANSISTOR	2SB1647	
Q550	690338301	TRANSISTOR	2SD2560		Q9050	690338301	TRANSISTOR	2SD2560	
Q551	690338401	TRANSISTOR	2SB1647		Q9051	690338401	TRANSISTOR	2SB1647	
Q600	690338301	TRANSISTOR	2SD2560						
Q601	690338401	TRANSISTOR	2SB1647		Q9100	690338301	TRANSISTOR	2SD2560 (AZ5000ES)	
					Q9101	690338401	TRANSISTOR	2SB1647 (AZ5000ES)	
Q650	690338301	TRANSISTOR	2SD2560		Q9150	690338301	TRANSISTOR	2SD2560 (AZ5000ES)	
Q651	690338401	TRANSISTOR	2SB1647		Q9151	690338401	TRANSISTOR	2SB1647 (AZ5000ES)	

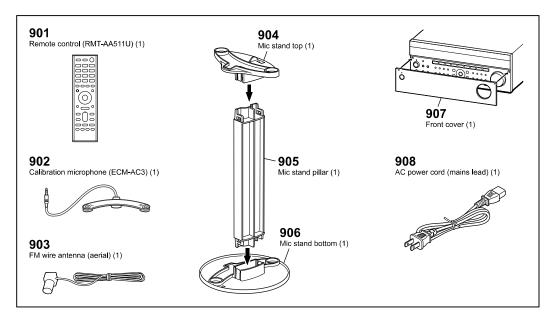
4-14. HEATSINK SECTION (AZ7000ES)



Ref. No.	Part No.	Description	Ren	nark	Ref. No.	Part No.	Description		Remark
651	390560913	SCREW (TRANSI	STOR) (3X14) (BRONZE)		Q751	690338401	TRANSISTOR	2SB1647	
652	504348101	SHEET, MICA	, , , , ,		Q9000	690338301	TRANSISTOR	2SD2560	
Q400	690338301	TRANSISTOR	2SD2560		Q9001	690338401	TRANSISTOR	2SB1647	
Q401	690338401	TRANSISTOR	2SB1647		Q9050	690338301	TRANSISTOR	2SD2560	
Q450	690338301	TRANSISTOR	2SD2560		Q9051	690338401	TRANSISTOR	2SB1647	
Q451	690338401	TRANSISTOR	2SB1647		Q9100	690338301	TRANSISTOR	2SD2560	
Q550	690338301	TRANSISTOR	2SD2560		Q9101	690338401	TRANSISTOR	2SB1647	
Q551	690338401	TRANSISTOR	2SB1647		Q9150	690338301	TRANSISTOR	2SD2560	
Q600	690338301	TRANSISTOR	2SD2560		Q9151	690338401	TRANSISTOR	2SB1647	
Q601	690338401	TRANSISTOR	2SB1647		Q9200	690338301	TRANSISTOR	2SD2560	
Q650	690338301	TRANSISTOR	2SD2560		Q9201	690338401	TRANSISTOR	2SB1647	
Q651	690338401	TRANSISTOR	2SB1647		Q9250	690338301	TRANSISTOR	2SD2560	
Q700	690338301	TRANSISTOR	2SD2560		Q9251	690338401	TRANSISTOR	2SB1647	
Q701	690338401	TRANSISTOR	2SB1647						
Q750	690338301	TRANSISTOR	2SD2560						

SECTION 5 ACCESSORIES

Ref. No.	Part No.	<u>Description</u>	Remark
	503701511	STARTUP GUIDE (ENGLISH, FRENCH,	SPANISH) (AZ3000ES)
	503701611	STARTUP GUIDE (ENGLISH, FRENCH,	SPANISH) (AZ5000ES)
	503701711	STARTUP GUIDE (ENGLISH, FRENCH,	SPANISH) (AZ7000ES)
	503701912	OPERATING INSTRUCTIONS	
		(ENGLISH, FRENC	H, SPANISH)
901	101326012	REMOTE COMMANDER (RMT-AA511U)	mote control)
902	154290312	MEASUREMENT MIC (STEREO) (ECM-	,
		(Calibration	microphone)
903	179318461	CONNECTOR (F TYPE ADAPTOR)	
		,	enna (aerial))
904	503513301	MIC STAND (TOP) (Mic stand top)	
905	503513201	MIC STAND (PILLAR) (Mic stand pillar)	
906	X50028551	MIC STAND (BOTTOM) ASSY (Mic stand	l bottom)
907	A5059869A	COVER FRONT ASSY (SERVICE) (Fron	t cover)
1 908 1 1 1 1 1 1 1 1 1 1	101435211	POWER SUPPLY CORD SET	•
		(AC power cord	(mains lead))



The components identified by mark Δ or dotted line with mark Δ are critical for safety.

Replace only with part number specified.