

## HISTORY INFORMATION FOR THE FOLLOWING MANUAL:

# *SERVICE MANUAL*

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**ORIGINAL MANUAL ISSUE DATE: 7/2015**

**GN1T CHASSIS**  
Segment: XB

<b>Version</b>	<b>Date</b>	<b>Subject</b>
1	7/2015	Original manual issue.
2	7/2015	Supp-1: Model addition KD-75X9100C ( <a href="#">Model List</a> , Pg181~187)
3	11/2015	Revision for Appendix 1 ` How to USB Update ` pg 189 .

**LCD TV**

**SONY®**

# *SERVICE MANUAL*

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GN1T CHASSIS  
Segment: XB

LCD TV

**SONY®**



# MODEL LIST

<u>MODEL</u>	<u>COLOR</u>	<u>COMMANDER</u>	<u>DEST.</u>
<b>KD-55X9000C</b>	Black	RMF-TX100E RMT-TX100P	Hong Kong
<b>KD-55X9000C</b>	Black	RMF-TX100T RMT-TX100T	Taiwan
<b>KD-55X9000C</b>	Black	RMF-TX100E RMT-TX100A	SANZ AZ1 ( Australia , New Zealand )
<b>KD-55X9000C</b>	Black	RMF-TX100E RMT-TX100P	SOMEA EA4 (Saudi Arabia, Nigeria, Iraq, Kuwait , UAE etc ), Indonesia, India, SSEA ME6 (Brunei, Cambodia, Myanmar etc), Malaysia, Philippines, SSEA SP2 ( Singapore etc ) , Thailand, Vietnam.
<b>KD-65X9000C</b>	Black	RMF-TX100E RMT-TX100P	Hong Kong
<b>KD-65X9000C</b>	Black	RMF-TX100T RMT-TX100T	Taiwan
<b>KD-65X9000C</b>	Black	RMF-TX100E RMT-TX100A	SANZ AZ1 ( Australia , New Zealand )

<u>MODEL</u>	<u>COLOR</u>	<u>COMMANDER</u>	<u>DEST.</u>
<b>KD-65X9000C</b>	Black	RMF-TX100E RMT-TX100P	SOMEA EA4 (Saudi Arabia, Nigeria, Iraq, Kuwait , UAE etc ), Indonesia, India, SSEA ME6 (Brunei, Cambodia, Myanmar etc), Malaysia, Philippines, SSEA SP2 ( Singapore etc ) , Thailand, Vietnam.
<b>KD-75X9100C</b>	Black	RMF-TX100E RMT-TX100A	SANZ AZ1 ( Australia , New Zealand )

# WARNINGS AND CAUTIONS - ENGLISH

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## CAUTION

These servicing instructions are for use by qualified service personnel only.

To reduce the risk of electric shock, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so.

## WARNING!!

An isolation transformer should be used during any service to avoid possible shock hazard, because of live chassis.

The chassis of this receiver is directly connected to the ac power line.

## CARRYING THE TV

Be sure to follow these guidelines to protect your property and avoid causing serious injury.

- Carry the TV with an adequate number of people; larger size TVs require two or more people.
- Correct hand placement while carrying the TV is very important for safety and to avoid damages.

## SAFETY-RELATED COMPONENT WARNING!!

Components identified by shading and ! mark on the schematic diagrams, exploded views, and in the parts list are critical for safe operation. Replace these components with Sony parts whose part numbers appear as shown in this manual or in supplements published by Sony. Circuit adjustments that are critical for safe operation are identified in this manual.

Follow these procedures whenever critical components are replaced or improper operation is suspected.

## CAUTION ABOUT THE LITHIUM BATTERY

- Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type.
- Outer case broken battery should not contact to water.

# WARNINGS AND CAUTIONS - FRENCH

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## ATTENTION!!

Ces instructions de service sont à l'usage du personnel de service qualifié seulement.

Pour prévenir le risque de choc électrique, ne pas faire l'entretien autre que celui contenu dans le Mode d'emploi à moins que vous soyez qualifié à faire ainsi.

## WARNING!!

Afin d'éviter tout risque d'électrocution provenant d'un châssis sous tension, un transformateur d'isolement doit être utilisé lors de tout dépannage. Le châssis de ce récepteur est directement raccordé à l'alimentation du secteur.

## POUR TRANSPORTER LE TÉLÉVISEUR

Tenez compte de ce qui suit pendant l'installation du téléviseur :

- Débranchez tous les câbles avant de transporter le téléviseur.
- Transportez le téléviseur avec le nombre de personnes approprié ; un téléviseur de grande taille doit être transporté par au moins deux personnes.
- Lors du transport du téléviseur, l'emplacement des mains est très important pour votre sécurité, ainsi que pour éviter de causer des dommages.

## ALERTE!!

Afin d'éviter tout risque d'électrocution provenant d'un châssis sous tension, un transformateur d'isolement doit être utilisé lors de tout dépannage. Le châssis de ce récepteur est directement raccordé à l'alimentation du secteur.

## ATTENTION AUX COMPOSANTS RELATIFS A LA SECURITE!!

Les composants identifiés par une trame et par une marque ! sur les schémas de principe, les vues explosées et les listes de pièces sont d'une importance critique pour la sécurité du fonctionnement. Ne les remplacer que par des composants Sony dont le numéro de pièce est indiqué dans le présent manuel ou dans des suppléments publiés par Sony. Les réglages de circuit dont l'importance est critique pour la sécurité du fonctionnement sont identifiés dans le présent manuel. Suivre ces procédures lors de chaque remplacement de composants critiques, ou lorsqu'un mauvais fonctionnement suspecte.

## AVERTISSEMENT CONCERNANT LA BATTERIE AU LITHIUM

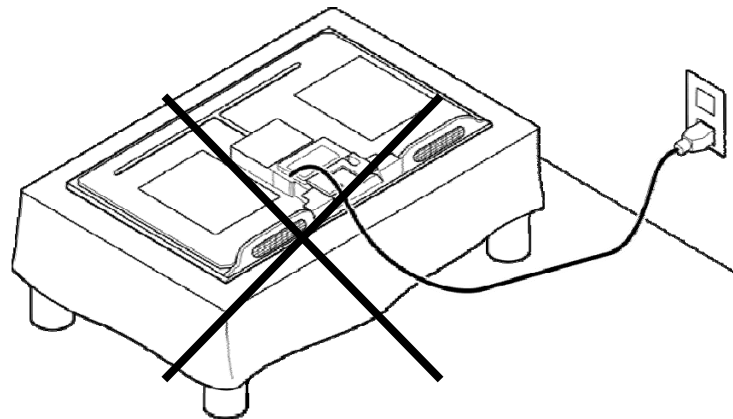
- Il existe un risque d'explosion si la batterie n'est pas correctement remplacée. Utilisez uniquement un type de batterie similaire ou équivalent.
- Lorsqu'il est endommagé, le boîtier externe de la batterie ne doit pas entrer en contact avec l'eau.

## USE CAUTION WHEN HANDLING THE LCD PANEL

When repairing the LCD panel, be sure you are grounded by using a wrist band.

When repairing the LCD panel on the wall, the LCD panel must be secured using the 4 mounting holes on the rear cover.

- 1) Do not press on the panel or frame edge to avoid the risk of electric shock.
- 2) Do not scratch or press on the panel with any sharp objects.
- 3) Do not leave the module in high temperatures or in areas of high humidity for an extended period of time.
- 4) Do not expose the LCD panel to direct sunlight.
- 5) Avoid contact with water. It may cause a short circuit within the module.
- 6) Disconnect the AC power when replacing the backlight (CCFL) or inverter circuit. (High voltage occurs at the inverter circuit at 650Vrms.)
- 7) Always clean the LCD panel with a soft cloth material.
- 8) Use care when handling the wires or connectors of the inverter circuit. Damaging the wires may cause a short.
- 9) Protect the panel from ESD to avoid damaging the electronic circuit (C-MOS).
- 10) It is recommended not to exceed 1 hour of Power-On nor Burn-in period with LCD panel face down condition, in repair activity.



# SAFETY CHECK-OUT

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After correcting the original service problem, perform the following safety checks before releasing the set to the customer:

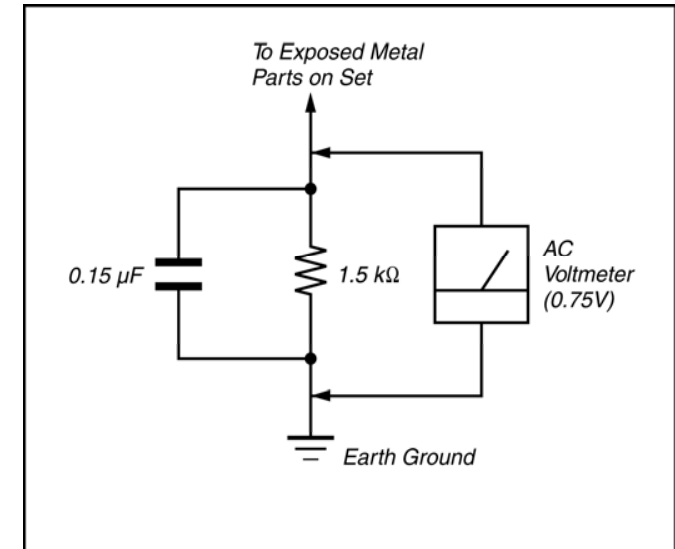
1. Check the area of your repair for unsoldered or poorly soldered connections. Check the entire board surface for solder splashes and bridges.
2. Check the interboard wiring to ensure that no wires are “pinched” or touching high-wattage resistors.
3. Check that all control knobs, shields, covers, ground straps, and mounting hardware have been replaced. Be absolutely certain that you have replaced all the insulators.
4. Look for unauthorized replacement parts, particularly transistors, that were installed during a previous repair. Point them out to the customer and recommend their replacement.
5. Look for parts which, though functioning, show obvious signs of deterioration. Point them out to the customer and recommend their replacement.
6. Check the line cords for cracks and abrasion. Recommend the replacement of any such line cord to the customer.
7. Check the antenna terminals, metal trim, “metallized” knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.
8. For safety reasons, repairing the Power board and/or Inverter board is prohibited.

### 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 instructions.
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's 250 and Sanwa SH-63TRD are examples of passive VOMs that are suitable. Nearly all battery-operated digital multimeters that have a 2 VAC range are suitable (see Figure A).



FigureA. Using an AC voltmeter to check AC leakage.

### How to Find a Good Earth Ground

A cold-water pipe is a guaranteed earth ground; the cover-plate retaining screw on most AC outlet boxes is also at earth ground.

If the retaining screw is to be used as your earth ground, verify that it is at ground by measuring the resistance between it and a cold-water pipe with an ohmmeter. The reading should be zero ohms.

If a cold-water pipe is not accessible, connect a 60- to 100-watt trouble- light (not a neon lamp) between the hot side of the receptacle and the retaining screw. Try both slots, if necessary, to locate the hot side on the line; the lamp should light at normal brilliance if the screw is at ground potential (see Figure B).

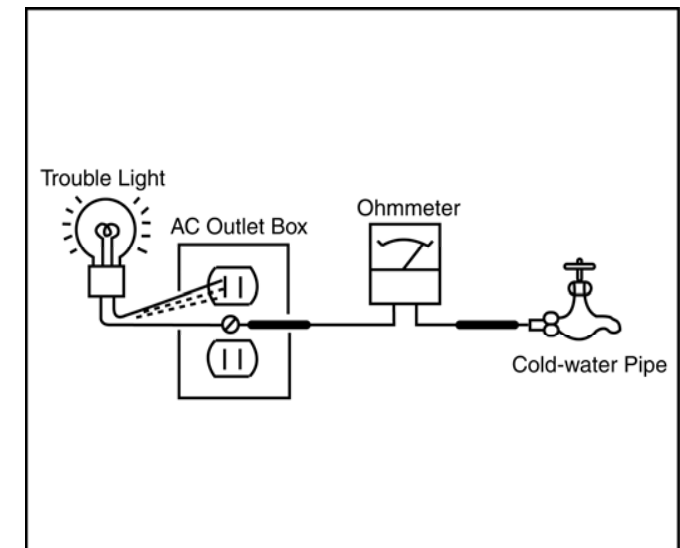


Figure B. Checking for earth ground.

# SELF DIAGNOSIS FUNCTION

The units in this manual contain a self-diagnostic function. If an error occurs, the Smart Core Red LED will automatically begin to flash.

The number of times the LED flashes translates to a probable source of the problem.

A definition of the Smart Core Red LED flash indicators is listed in the instruction manual for the user's knowledge and reference.

If an error symptom cannot be reproduced, the remote commander can be used to review the failure occurrence data stored in memory to reveal past problems and how often these problems occur.

## DIAGNOSTIC TEST INDICATORS

When an error occurs, the Smart Core Red LED will flash a set number of times to indicate the possible cause of the problem.

If there is more than one error, the LED will identify the first of the problem areas.

Result for all of the following diagnostic items are displayed on screen.

If the screen displays a "0", no error has occurred .

<G>: Power supply board, <B>: Main board, <T>: Tcon board, (LD) board ,  
<P>: Panel module , <S>: Speaker , <A>: Power Adapter

RED LED blinking count	Detection Items
2x	<G/B> Main 12V over voltage [MAIN_POWER]
3x	<B> Main 5.0V failure [DC_ALERT]
	<B/S> Audio amp. protection [AUD_ERR] <B> Tuner or demodulator I2C No ACK [TU_DEMOD] <b>[Note.1]</b> <B> HDMI Switch/Equalizer I2C communication error [HDMI_EQ] <b>[Note.2]</b>  <b>Note.1/Note.2:</b> Both functions were disabled but remains on the Self diagnosis screen like in the next page. <b>Note.2:</b> There are some sets which still enable this HDMI error detection function. Among these, software version updated or installed to PKG2161 or higher have this function disabled.
4x	<LD/P> LED driver failure/LED voltage protection [LD_ERR] <LD/P> <i>Error detection of the I2C communication between the Main device and the LD IC.[BCM_ERR]</i>
5x	<P/T/G/B> <i>Panel ID EEPROM I2C No ACK (Also panel power failure is a suspect)</i> [P_ID_ERR]
	<T> TCon IC I2C communication error [TCON_ERR]
6x	<G/P/B> Backlight failure [BACKLIGHT]
7x	Over temperature protection [TEMP_ERR] <B> Temp. sensor I2C No ACK [TEMP_ERR] <B> V By One lock error between Main device and 4KBE device [4KBE_ERR]
8x	<B> Software error [SW_ERR]

*Red italic:* detect at startup sequence only.

## [SELF DIAGNOSTIC SCREEN DISPLAY]

**Format of error timestamps**

YYMMDDhhmmss (in UTC)

Example:

120823132523 -&gt; Aug 23 2012 13:25:23 UTC

\* Only when time is set, an error timestamp is saved.

Both of HDMI\_EQ/TU\_DEMOD have been disabled.  
(Refer the previous page for details.)

Smart Core Red LED  
blinking count

•Panel Operation Time is recorded every 30 min, but Total Operation Time is recorded every 1 hr. Therefore, the panel op. time might become larger than the total op. time.

Total Operation Time [hr] – Boot Count – Panel Operation Time [hr]

SELF CHECK					
Back		<<			
002	MAIN_POWER	000000000000	000000000000	000000000000	000
003	DC_ALERT	000000000000	000000000000	000000000000	000
003	AUD_ERR	150101000018	150101000018	150101000018	003
003	HDMI_EQ	150101000123	150101000045	150101000045	003
003	TU_DEMOD	150101000218	150101000223	150101000105	003
004	LD_ERR	000000000000	000000000000	000000000000	000
004	BCM_ERR	000000000000	000000000000	000000000000	000
005	TCON_ERR	150101000504	000000000000	000000000000	001
005	P_ID_ERR	000000000000	000000000000	000000000000	000
006	BACKLIGHT_ERR	000000000000	000000000000	000000000000	000
007	TEMP_ERR	150101000200	150101000002	000000000000	002
007	4KBE_ERR	000000000000	000000000000	000000000000	000
008	SW_ERR	000000000000	000000000000	000000000000	000
00005 00414 00002		[Home]Exit			
		Error timestamp for last recorded error	Error timestamp for second last recorded error	Error timestamp for 3rd last recorded error	

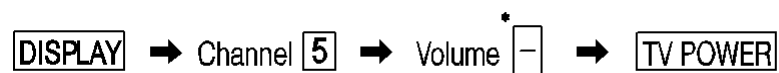


**SELF-DIAGNOSTIC SCREEN DISPLAY**

For errors with symptoms such as “power sometimes shuts off” or “screen sometimes goes out” that cannot be confirmed, it is possible to bring up past occurrences of failure for confirmation on the screen:

**[To Bring Up Screen Test]**

In standby mode, press buttons on the remote commander sequentially in rapid succession as shown below:



\* : Note that this differs from entering the service mode (volume +)

Since the diagnostic results displayed on the screen are not automatically cleared, always check the self-diagnostic screen. After you have completed the repairs, clear the result display to “0”.

Clearing the Self Check Diagnostic List


Panel operation time :

Press the Channel 7 => Channel 0 .

**Exiting the Self-diagnostic screen**

To exit the Self Diagnostic screen, Power off & on or Push the <Home> button.

# SEC 1. DISASSEMBLY

- There are clutch in the yellow frame[  ]. Therefore please be careful in the case of the disassembly or assembly of parts.

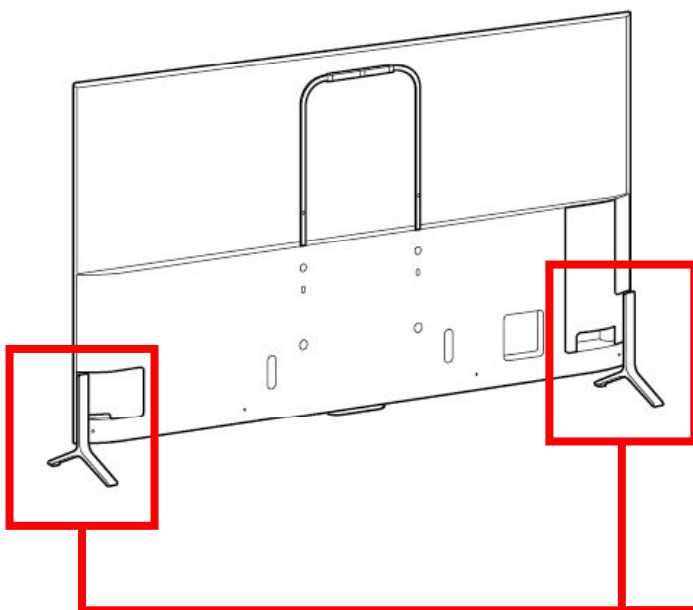
## 1-1. KD-55X9\*C

### 1-1-1. STAND

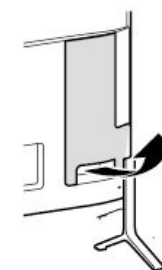
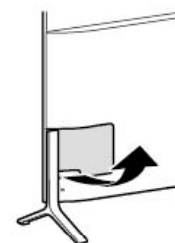
Note:

Since this model adopt “ultra thin” panel, you need to pay special attention when handling or disassembling the panel.

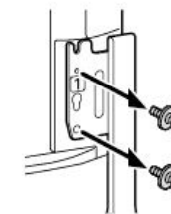
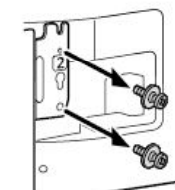
For the handling method for panel ,please refer the APPENDIX-3 “HANDLING GUIDE” which is attached on the page 188.



1

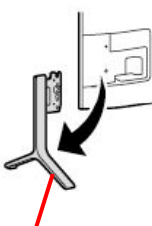


2



4 screws (SCREW, FOOT (CRN))

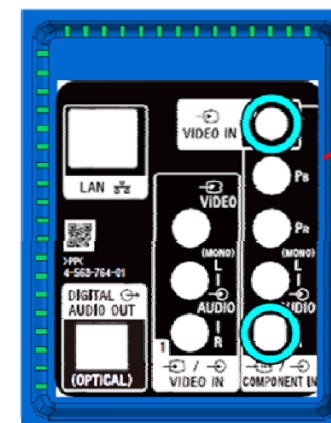
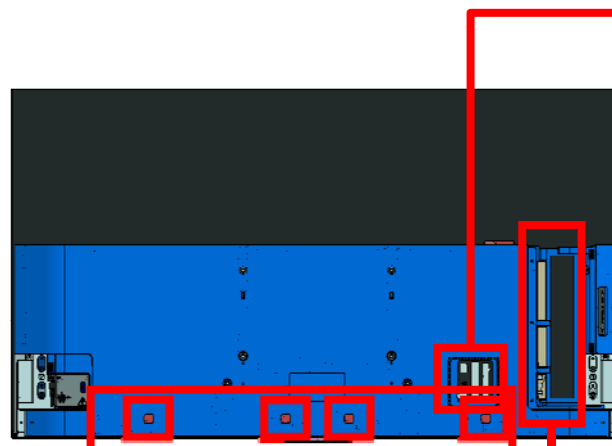
3



STAND STAND L (L CRN) A  
STAND STAND R (L CRN) A (P/N: 4-549-990-01)  
(P/N: 4-549-996-01)

## 1-1. KD-55X9\*C

## 1-1-2. SCREW CAP (L CRN) AND LABEL, REAR TERMINAL AND LABEL, SIDE TERMINAL (W) (CRN)

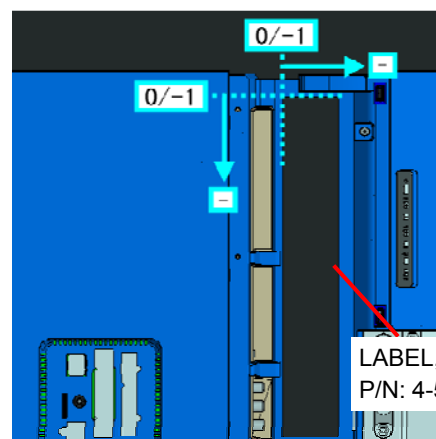
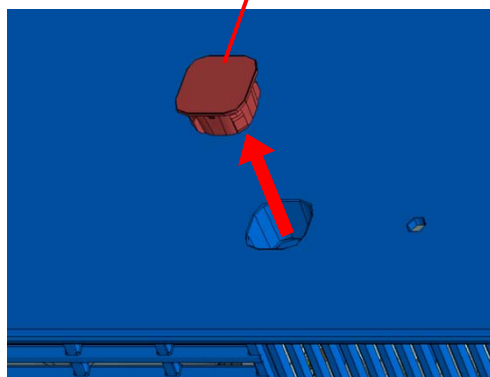


LABEL, REAR TERMINAL  
P/N: 4-563-766-01

Positioning hole

1

SCREW CAP (L CRN)



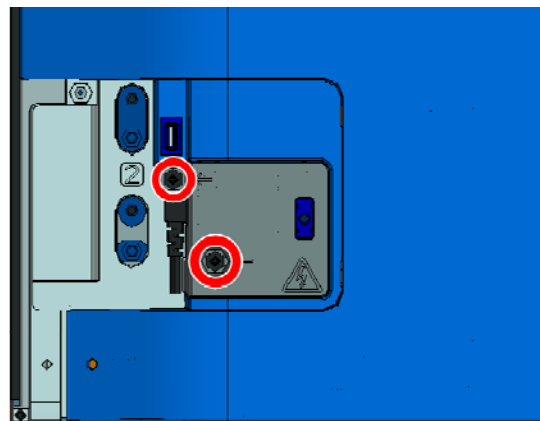
LABEL, SIDE TERMINAL(W)(CRN)  
P/N: 4-570-640-31

## 1-1. KD-55X9\*C

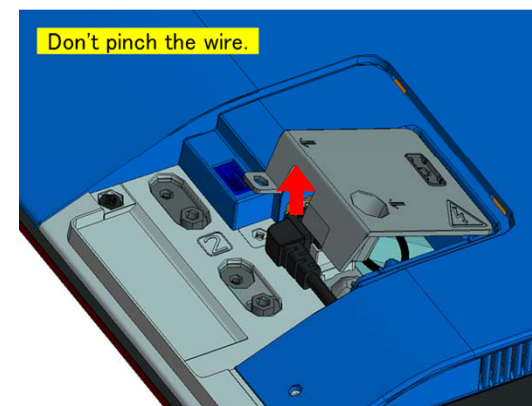
## 1-1-3. AC COVER(CRN) AND POWER SUPPLY CORD



1

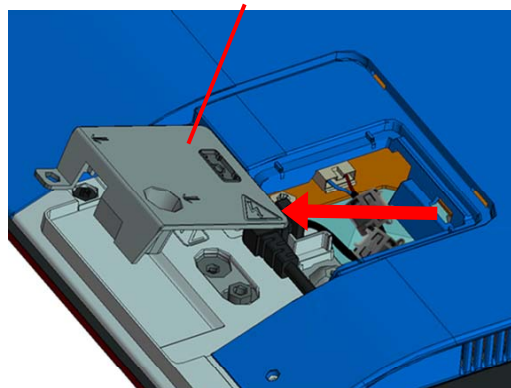


2

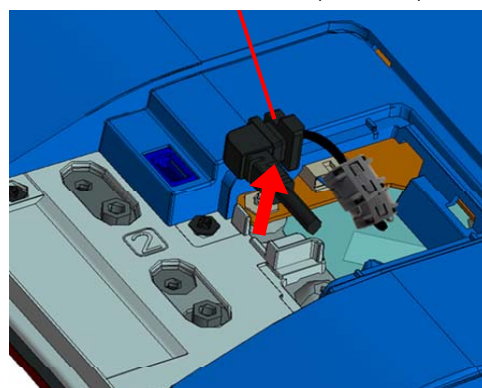


2 screws (SCREW , +PWH M3X6) P/N: 4-452-935-01

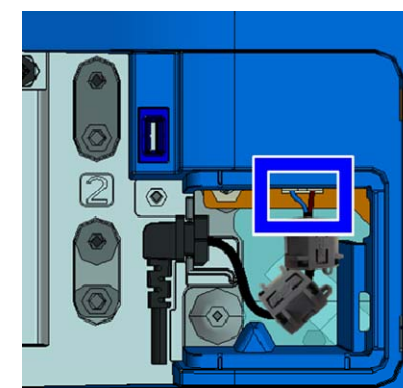
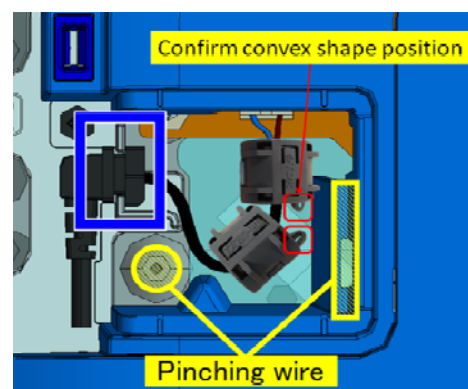
3

AC COVER (CRN)  
P/N: 4-558-397-01

4

POWER SUPPLY CORD  
P/N: 1-839-667-21 (UKA)  
P/N: 1-839-699-21 (CEI/RU3)

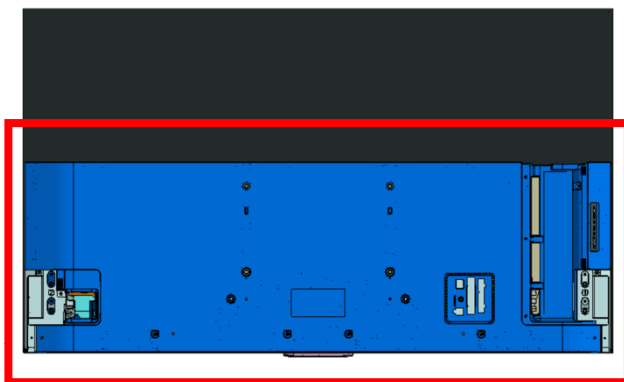
5



## 1-1. KD-55X9\*C

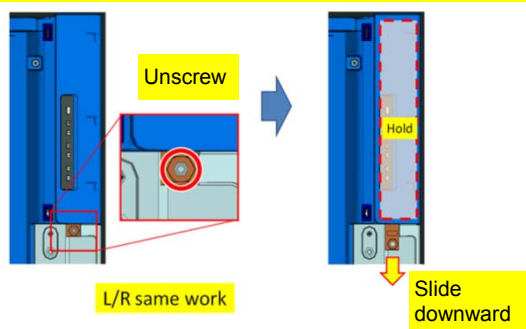
### 1-1-4. REAR COVER (L CRN) A

\*Refer "APPENDIX-5" for Procedure to Disassemble



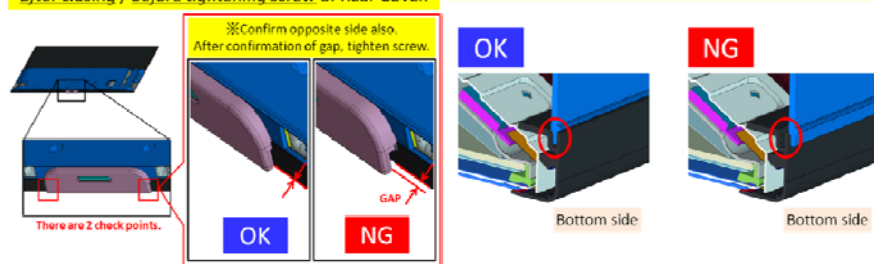
1. Unscrew.
2. Release the lock by sliding the LOCK SLIDER to downward.

2

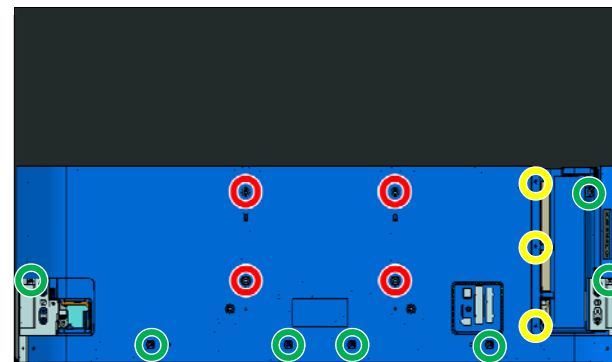


Confirm Smart Core is assembled properly after closing / before tightening screw of Rear Cover.

Ensure R/C is installed to slit of panel.

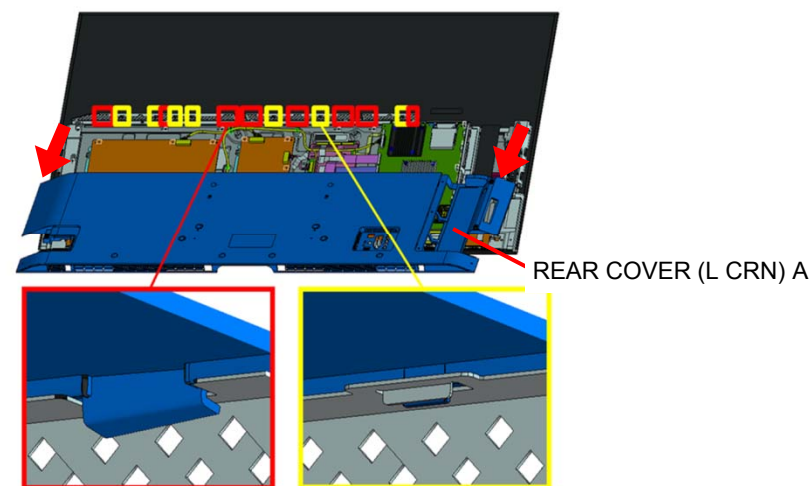


1



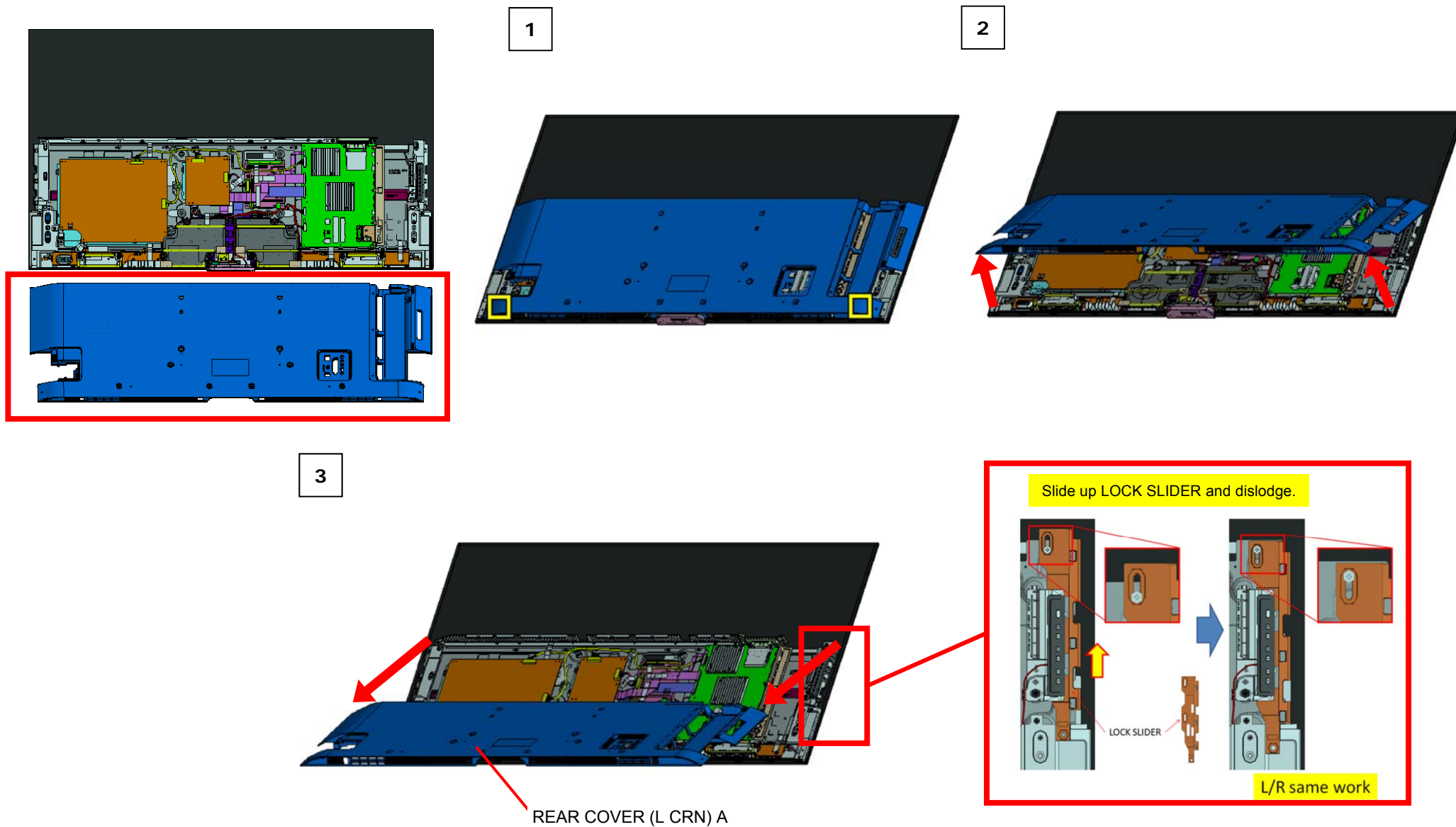
- 4 screws (SCREW, +PSW M6X16) P/N: 2-580-611-01
- 7 screws (SCREW, +PWH M3X6) P/N: 4-452-935-01
- 3 screws (SCREW, +BVTP 4X12 TYPE2 IT-3) P/N: 2-580-639-01

3



## 1-1. KD-55X9\*C

## 1-1-5. REAR COVER (L CRN) A

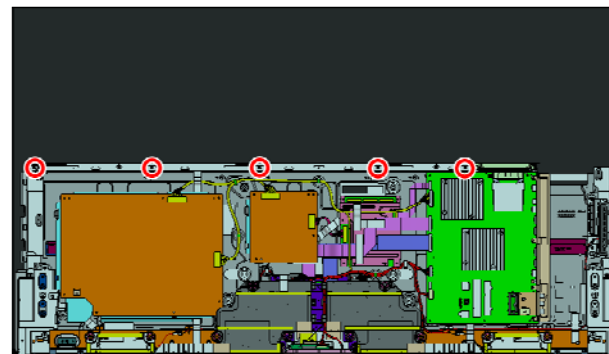


## 1-1. KD-55X9\*C

## 1-1-6. BRACKET TOP (L)



1

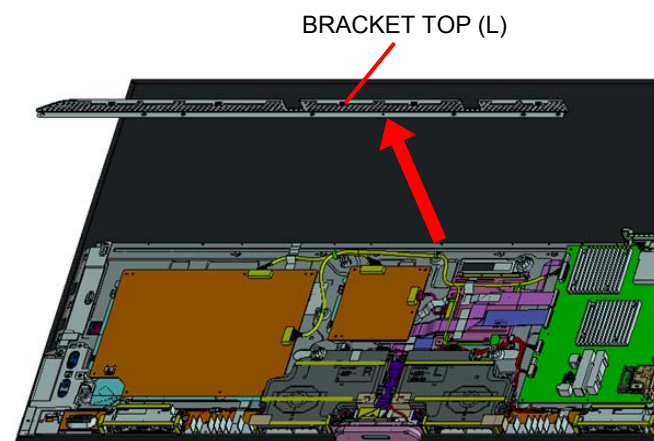


5 screws (SCREW (+PSW) (M3X6)) P/N: 2-990-421-41

2



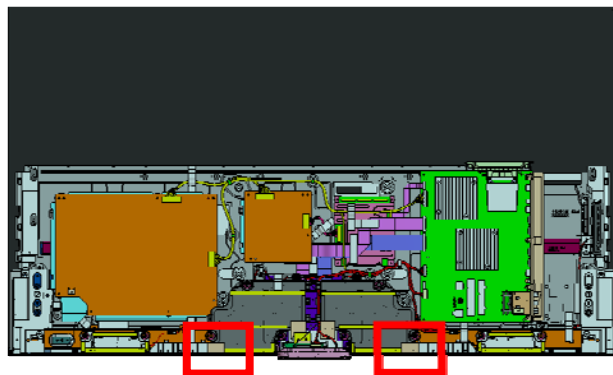
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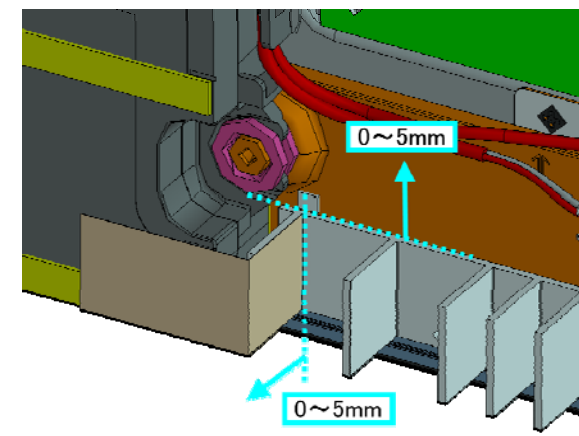
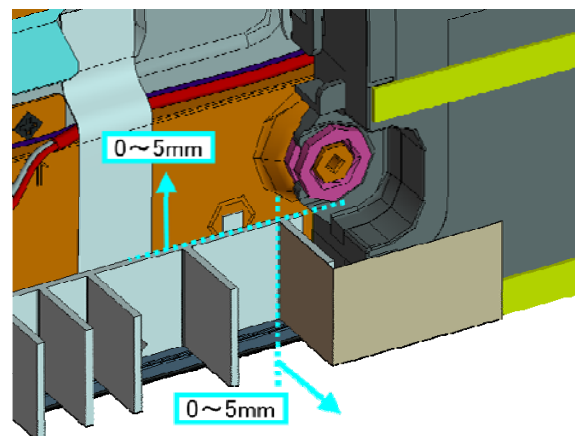


## 1-1. KD-55X9\*C

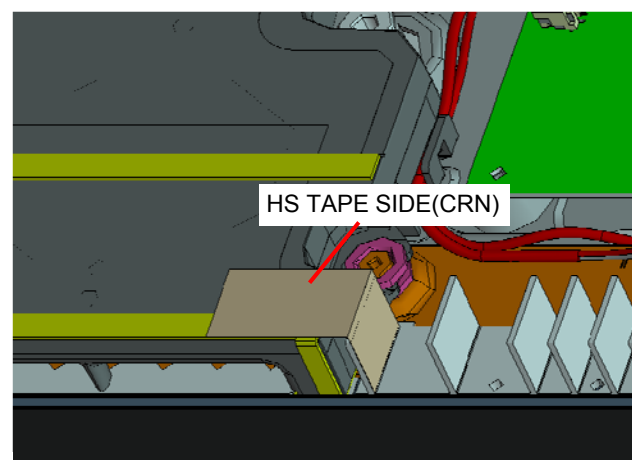
## 1-1-7. HS TAPE SIDE(CRN)



1



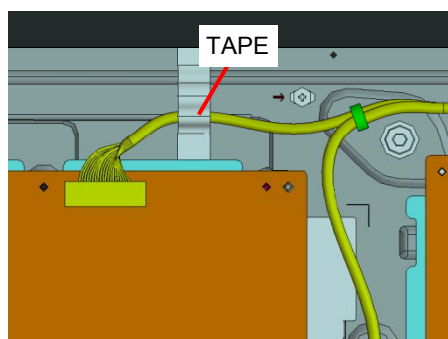
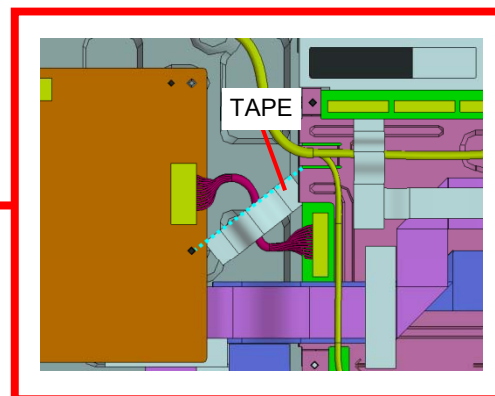
2



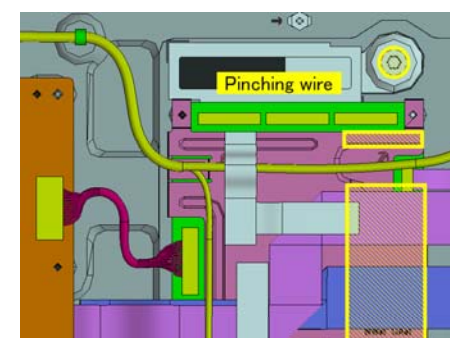
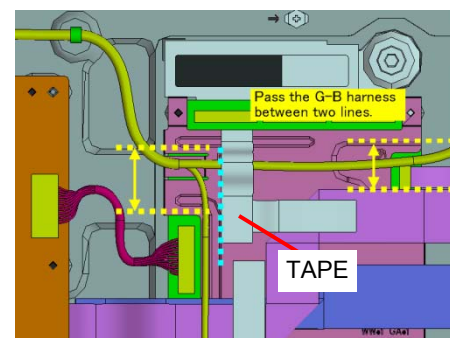
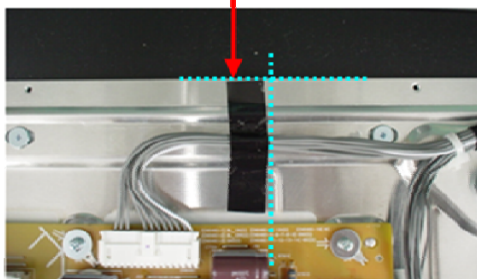


## 1-1. KD-55X9\*C

## 1-1-8. TAPE

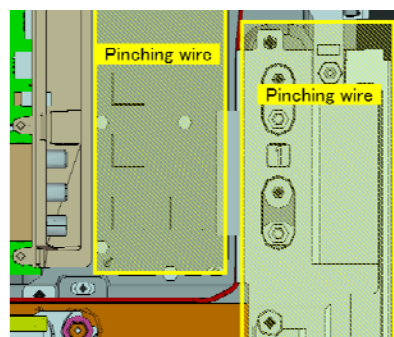
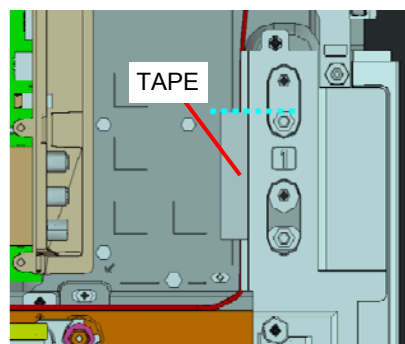


Tape must not cross this line (B/C edge).

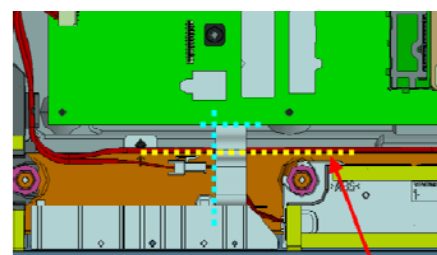
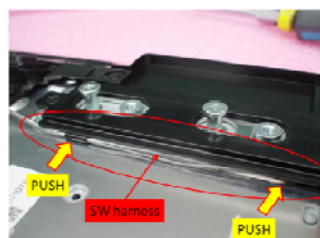


# 1-1. KD-55X9\*C

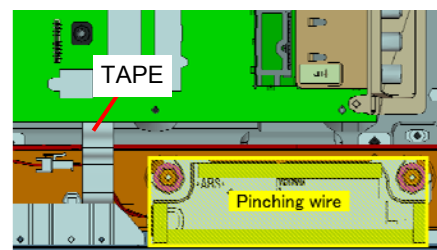
## 1-1-9. TAPE



Push in SW harness between panel and Bracket Stand.

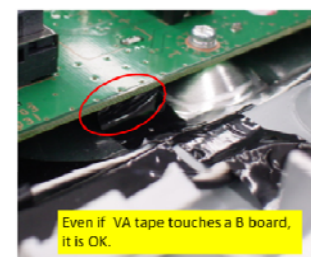


Pass the SW harness along convex shape of panel.



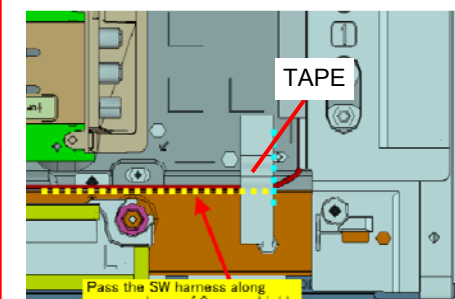
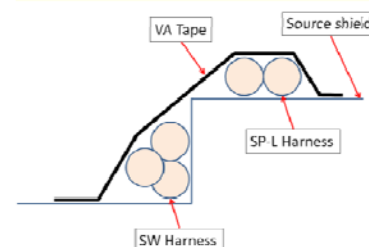
Pinching wire

### Tape information

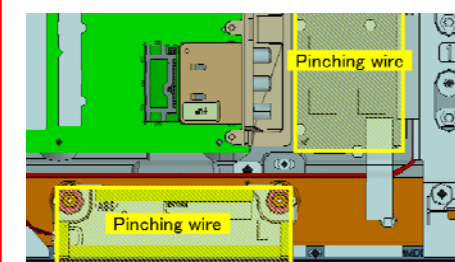


Even if VA tape touches a B board, it is OK.

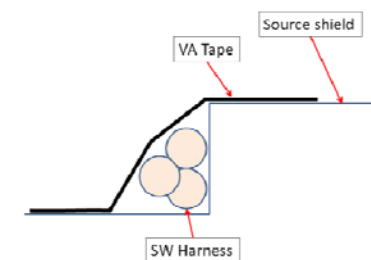
### Tape-Harness information



Pass the SW harness along convex shape of Source shield.

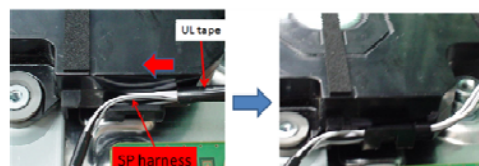
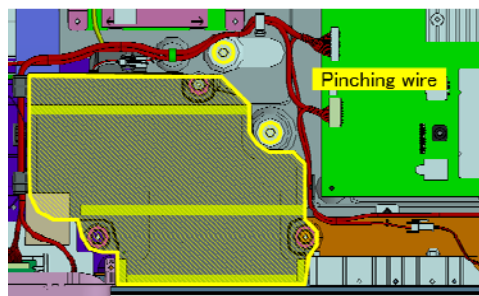
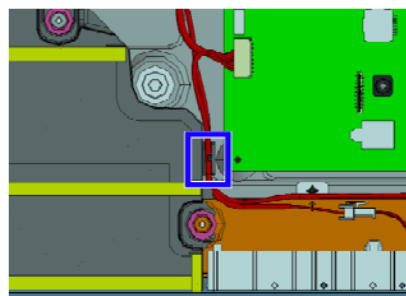


### Tape-Harness information

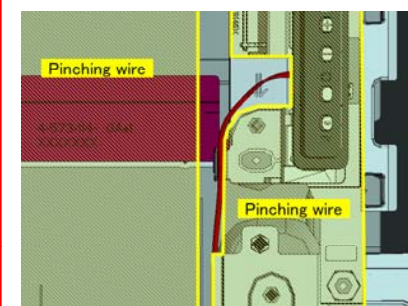
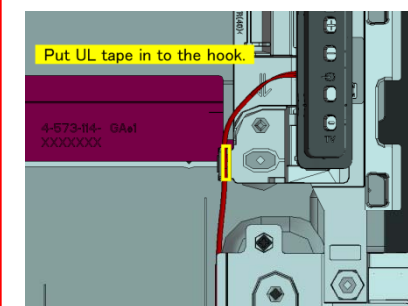
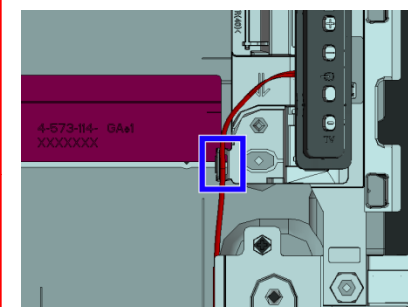


## 1-1. KD-55X9\*C

## 1-1-10. Wire Dressing

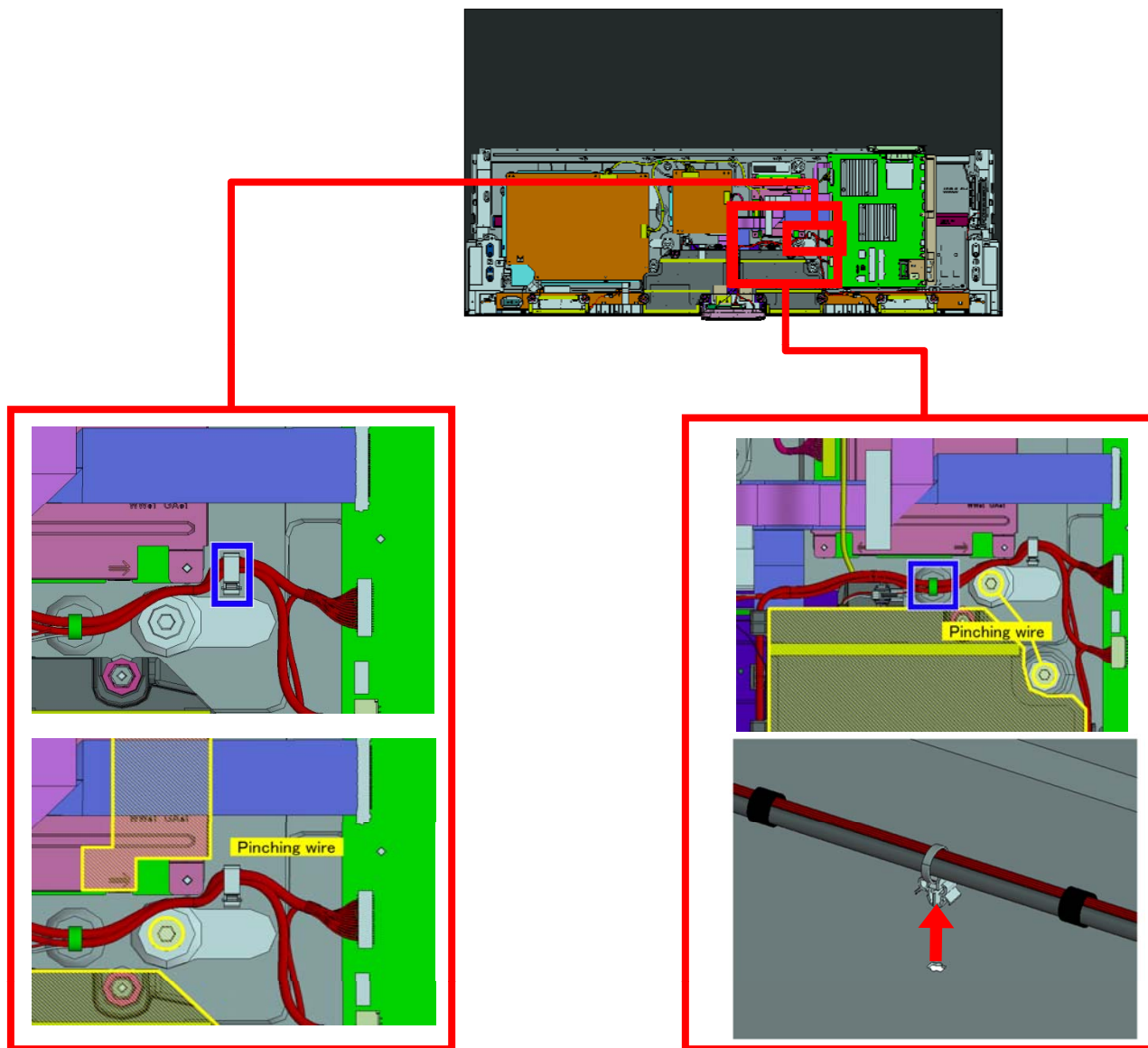


Hook SP harness except UL tape area.  
And Slide SP harness to left side to lock.



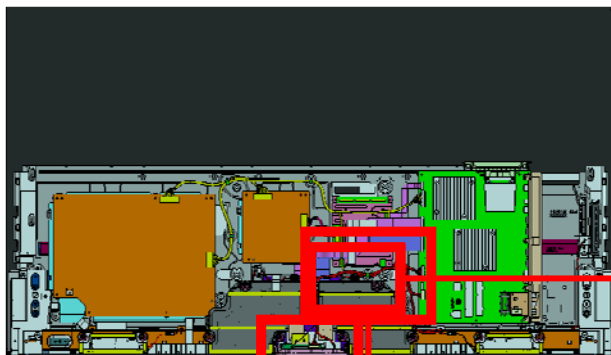
## 1-1. KD-55X9\*C

## 1-1-11. Wire Dressing

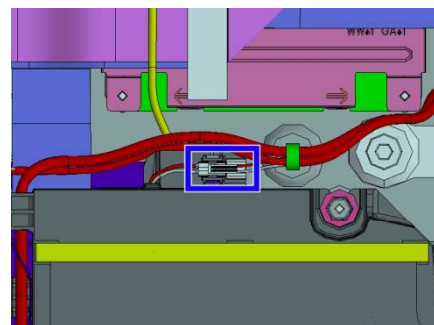


## 1-1. KD-55X9\*C

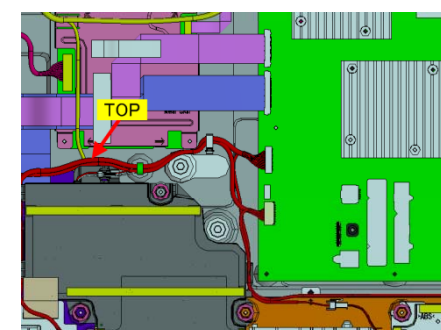
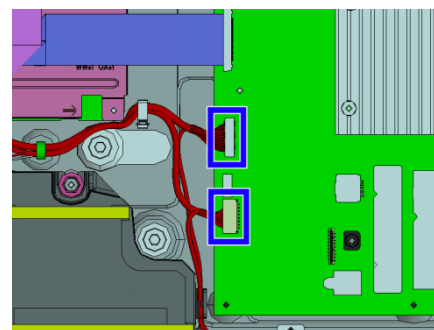
## 1-1-12. SMART CORE



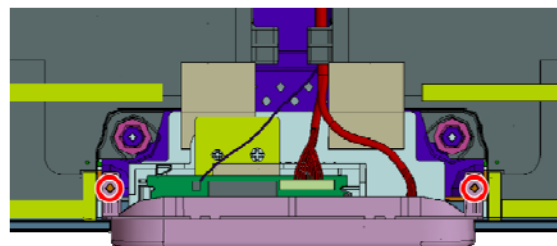
1



2



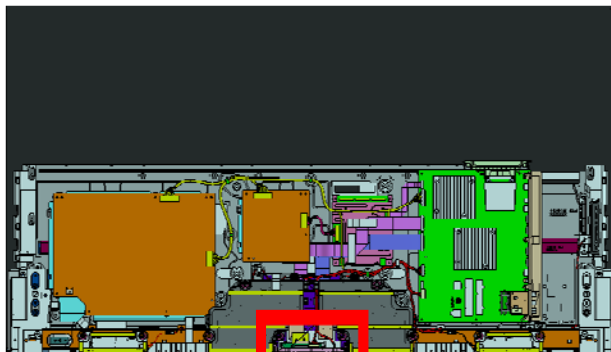
3



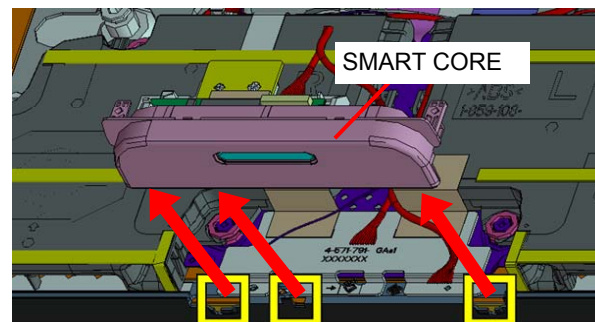
2 screws (SCREW (+PSW) (M3X6)) P/N: 2-990-421-41

## 1-1. KD-55X9\*C

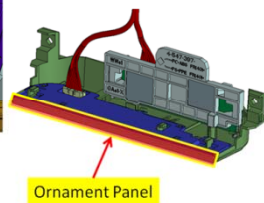
## 1-1-13. SMART CORE



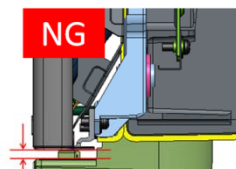
4

**Notes on assembling the Smart core**

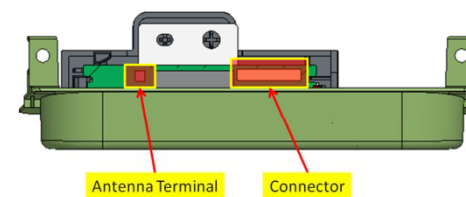
Don't scratch O/P with Bezel while installing.



No gap between Smart Core and AL Bezel.



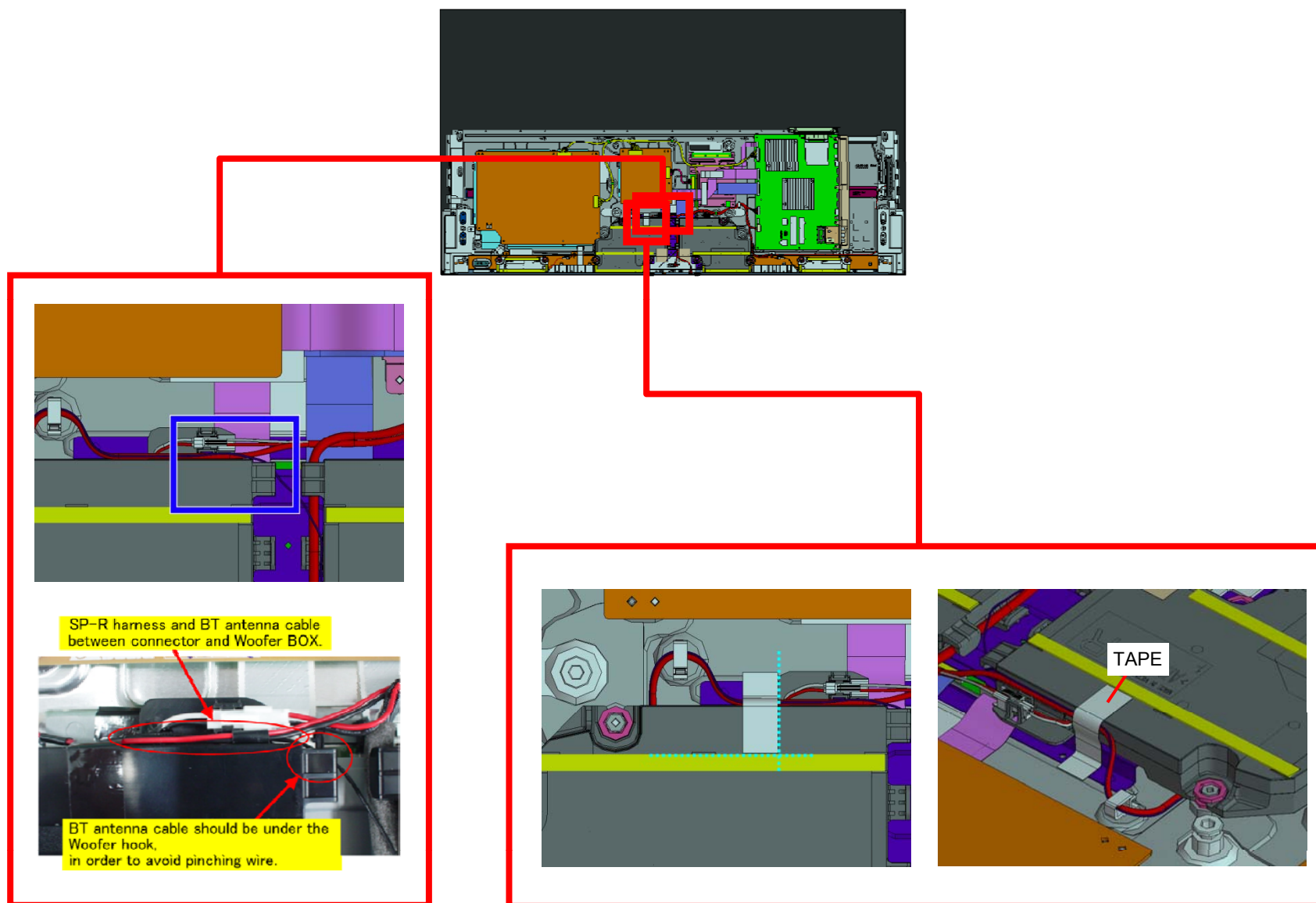
Don't touch these components while installing.





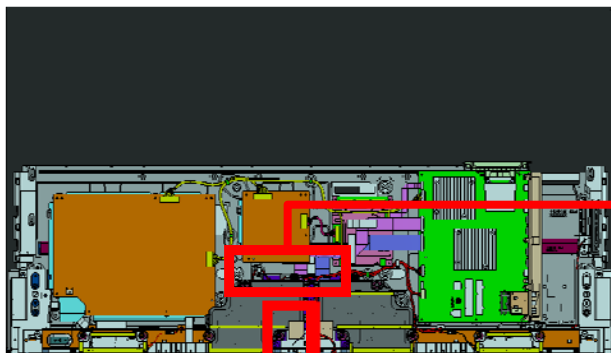
### 1-1. KD-55X9\*C

### 1-1-14. TAPE AND Wire Dressing

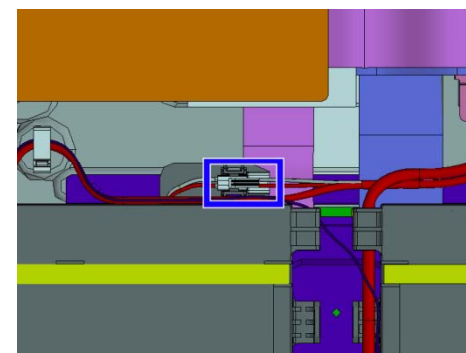
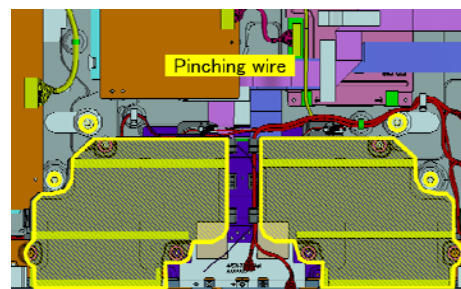


## 1-1. KD-55X9\*C

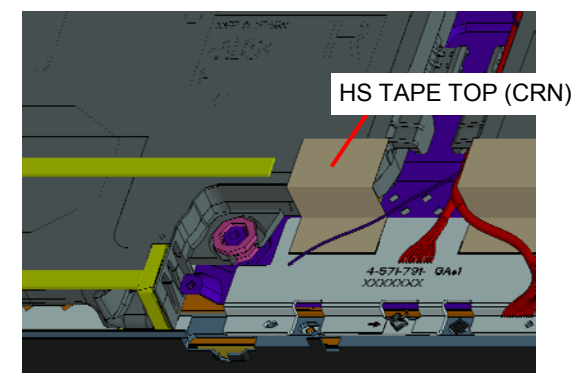
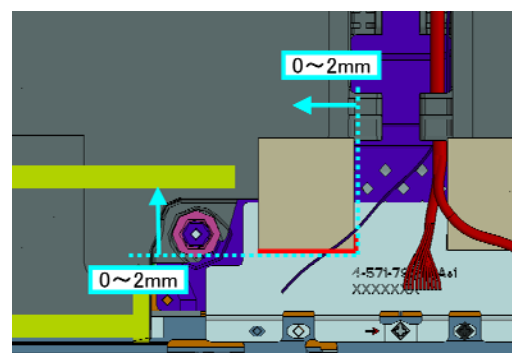
## 1-1-15. HS TAPE TOP (CRN)



1



2



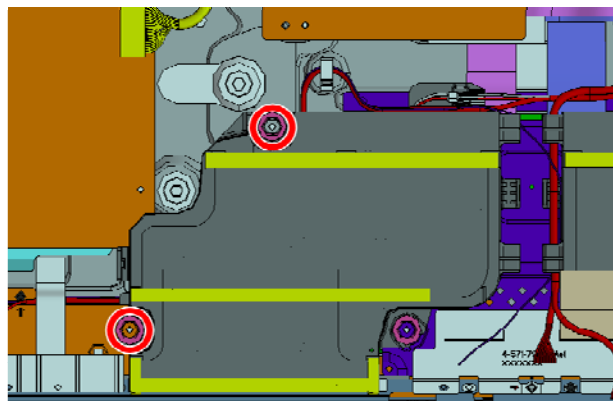


## 1-1. KD-55X9\*C

## 1-1-16. SP-BOX ASSY(D20-WF RCH CH-ND)

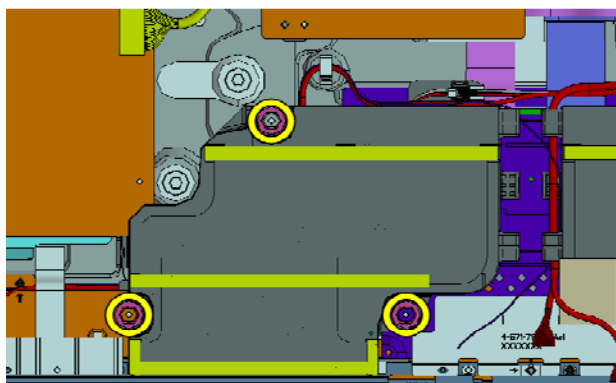


1



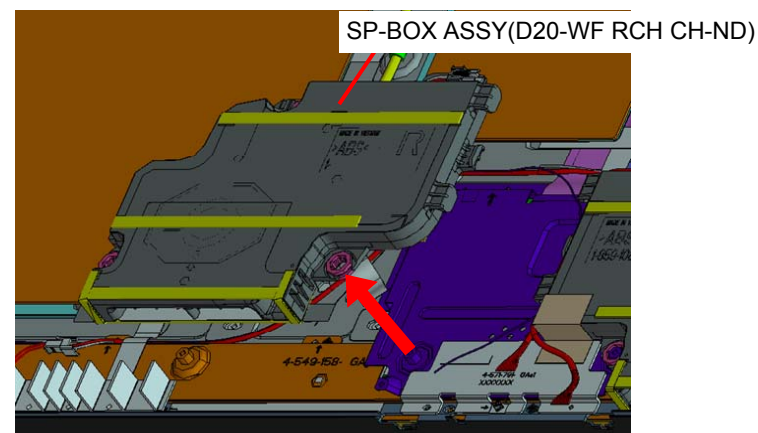
2 screws (SCREW, +PSW M3X6 W12) P/N: 4-256-393-01

2



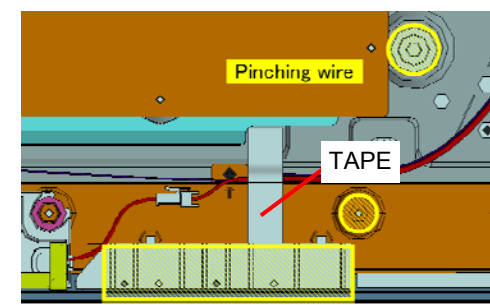
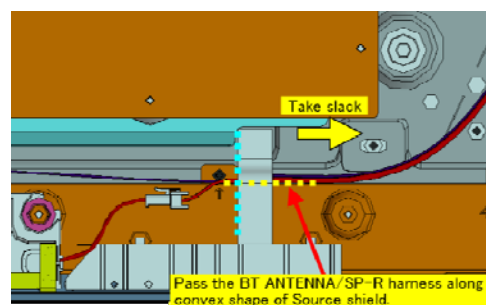
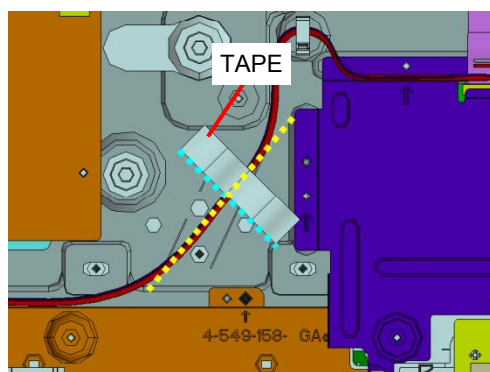
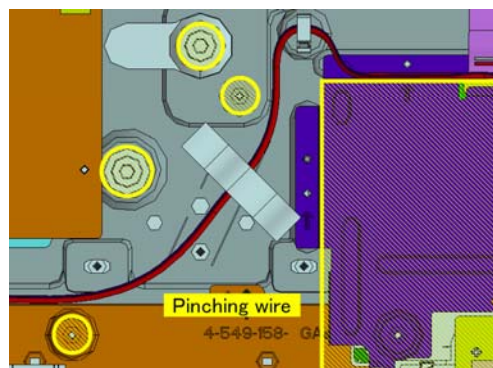
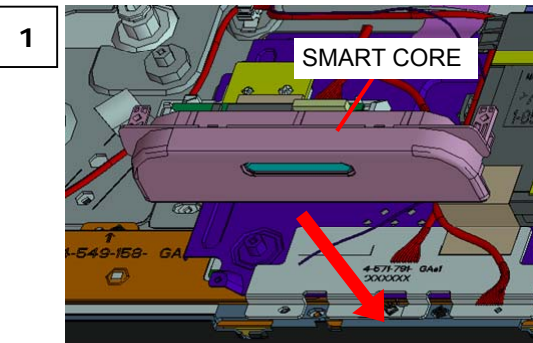
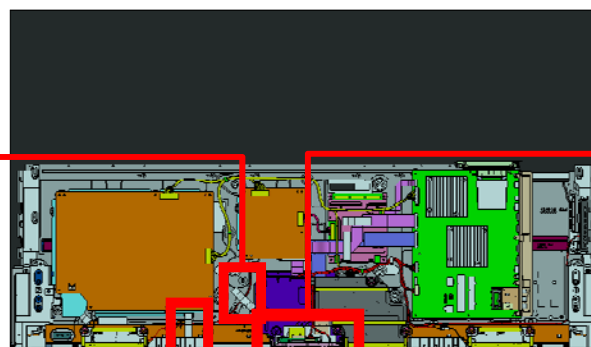
Don't pinch the wire.

3

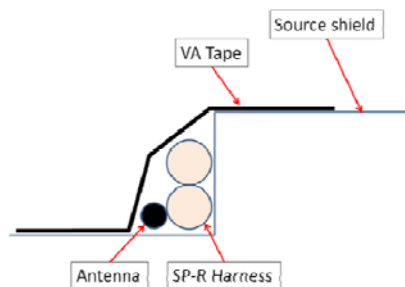


# 1-1. KD-55X9\*C

## 1-1-17. SMART CORE AND TAPE

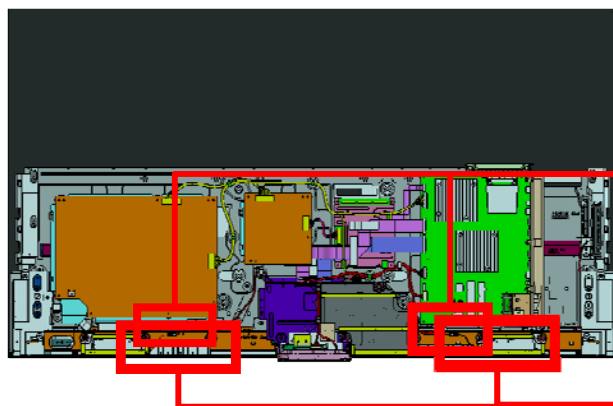


### Tape-Harness information

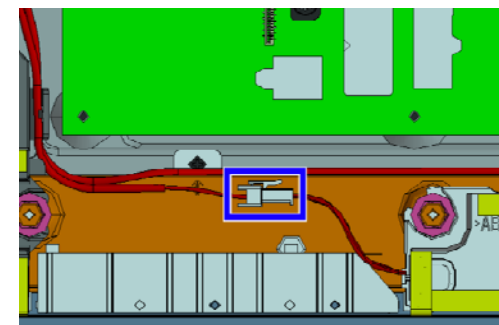
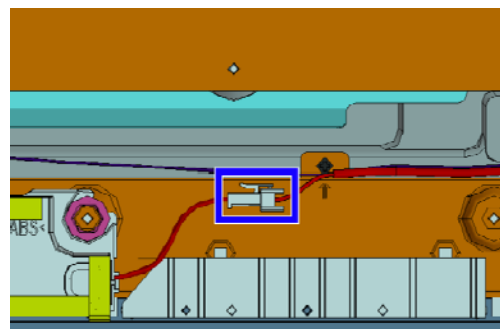


## 1-1. KD-55X9\*C

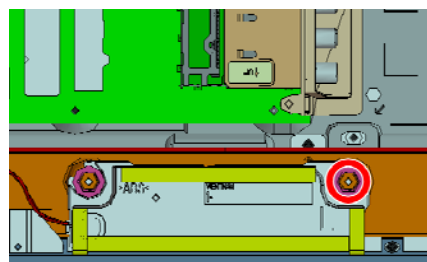
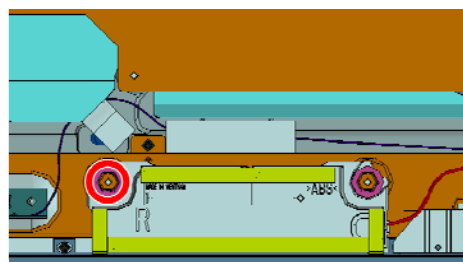
## 1-1-18. SP-BOX ASSY(W20-SQ LCH CH-ND) AND SP-BOX ASSY(W20-SQ RCH CH-ND)



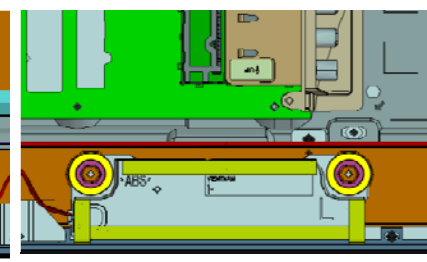
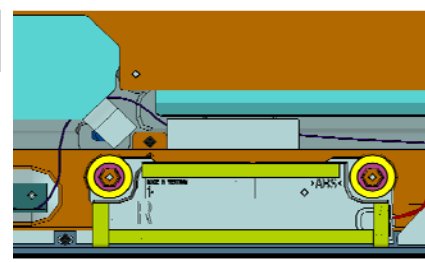
1



2

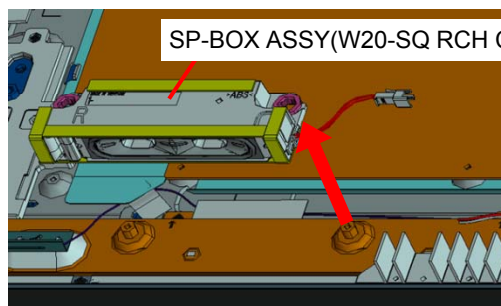


3

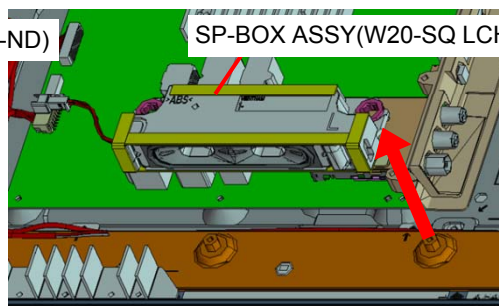


2 Screws (SCREW, +PSW M3X6 W12) P/N: 4-256-393-01

4



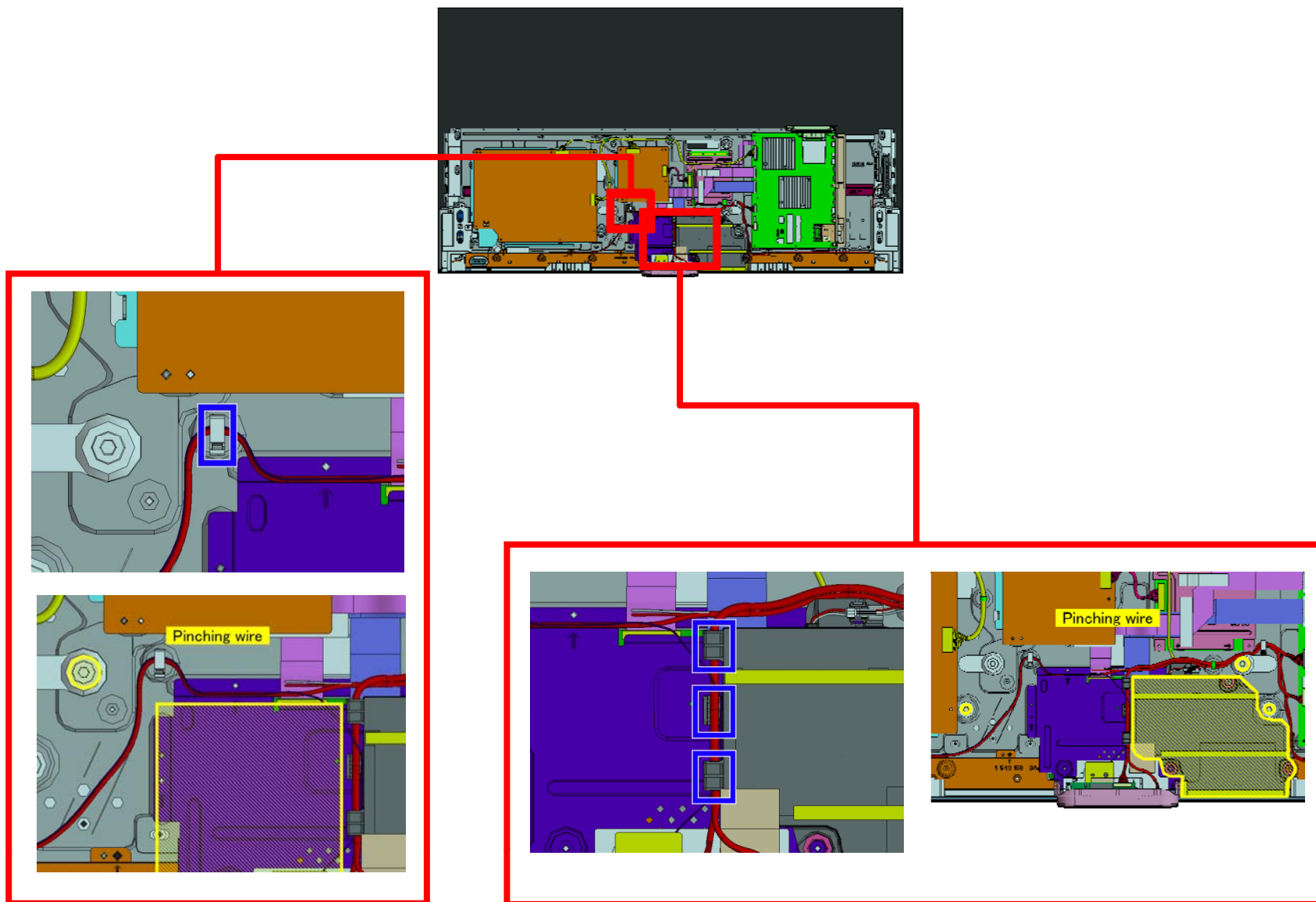
SP-BOX ASSY(W20-SQ RCH CH-ND)



SP-BOX ASSY(W20-SQ LCH CH-ND)

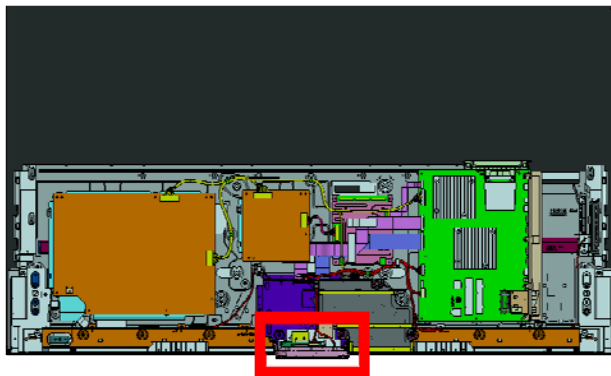
## 1-1. KD-55X9\*C

## 1-1-19. Wire Dressing

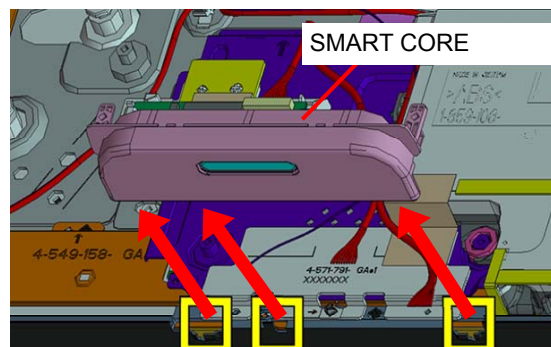


## 1-1. KD-55X9\*C

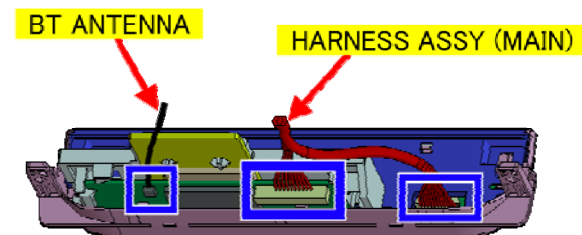
## 1-1-20. SMART CORE



1

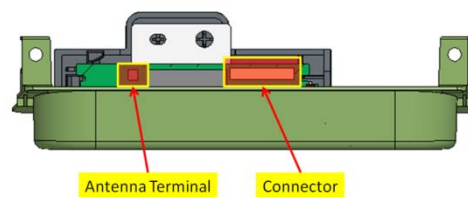


2



## Notes on assembling the Smart core

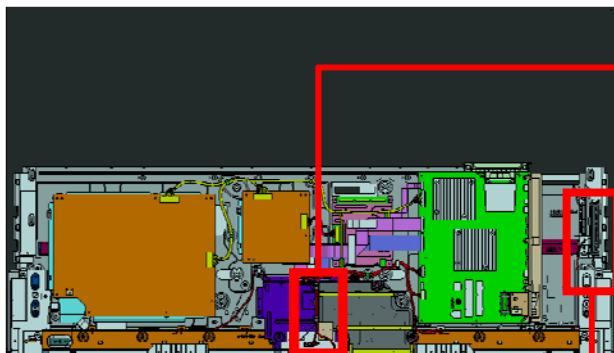
Don't touch these components while installing.



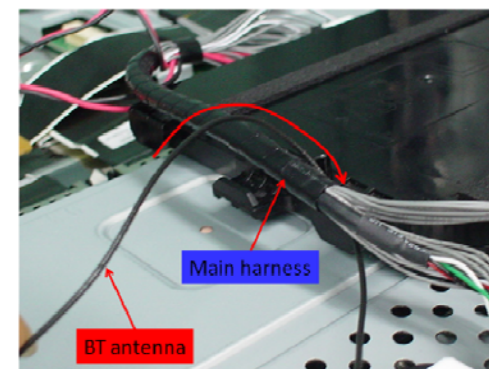


## 1-1. KD-55X9\*C

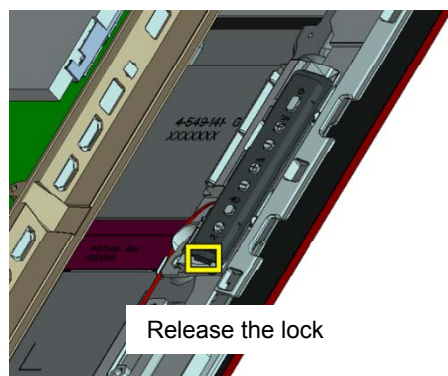
## 1-1-21. SWITCH UNIT (VM-WW) AND Wire Dressing



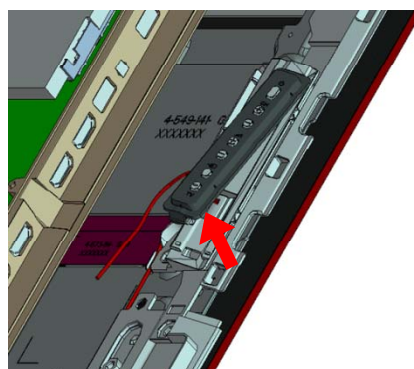
Roll BT antenna to Main harness.



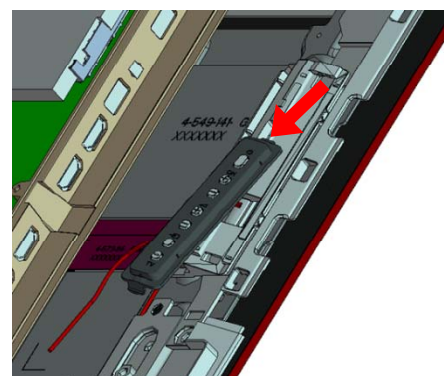
1



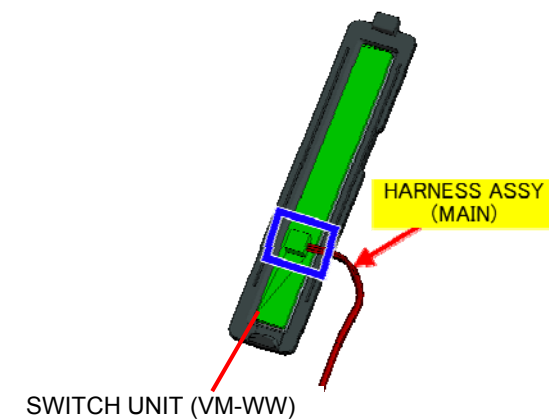
2



3



4

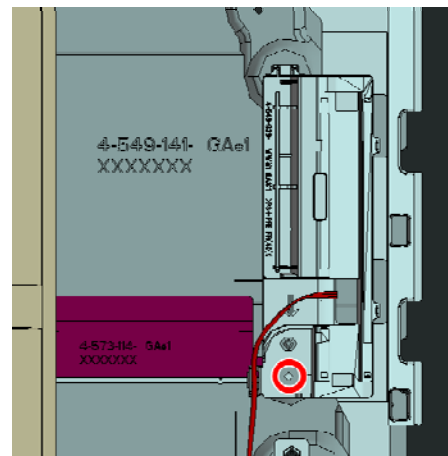


## 1-1. KD-55X9\*C

## 1-1-22. HOLDER, SIDE SW (CRN)

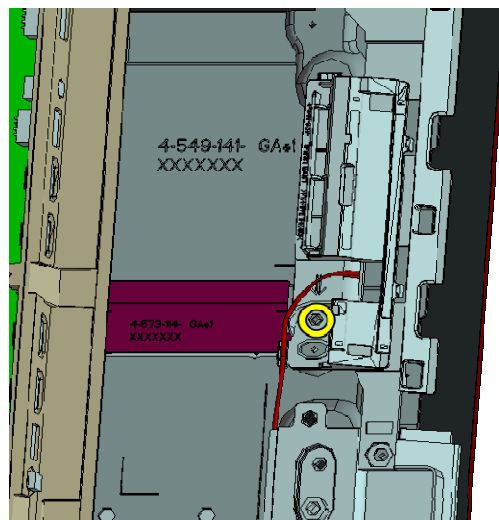


1

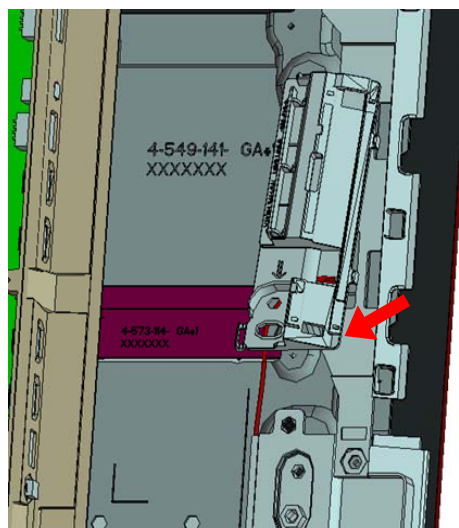


Screw (SCREW , +PWH M3X6) P/N: 4-452-935-01

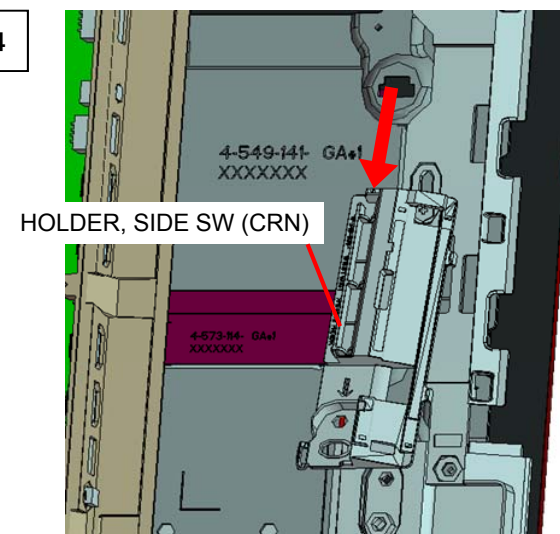
2



3

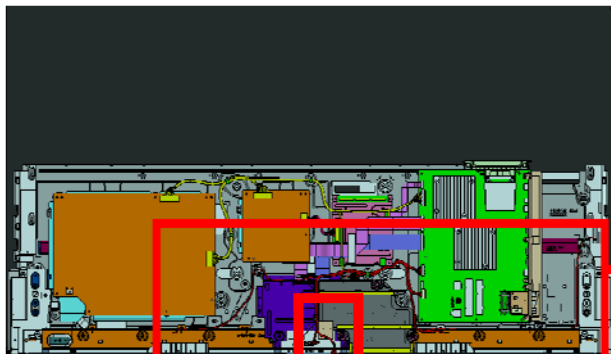


4

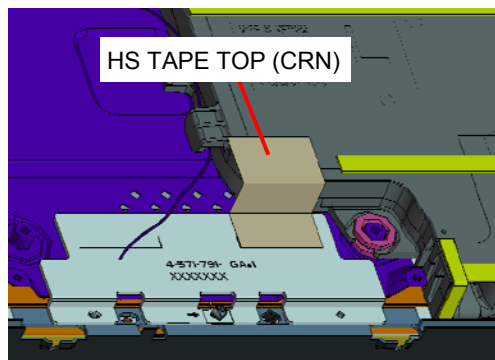
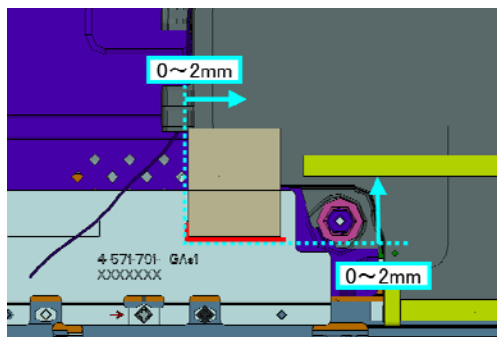
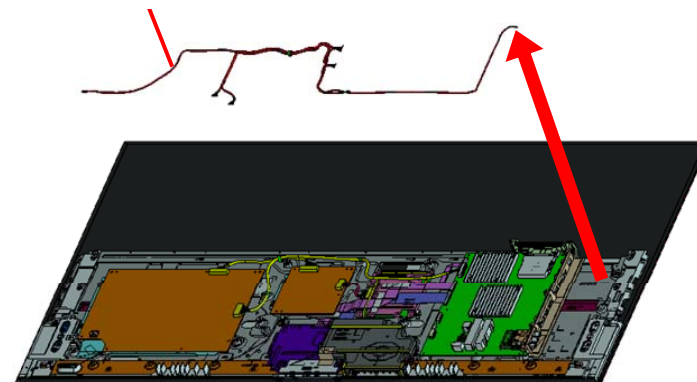


## 1-1. KD-55X9\*C

## 1-1-23. HARNESS ASSY (MAIN) AND HS TAPE TOP (CRN)



HARNESS ASSY (MAIN)  
P/N: 1-910-110-74



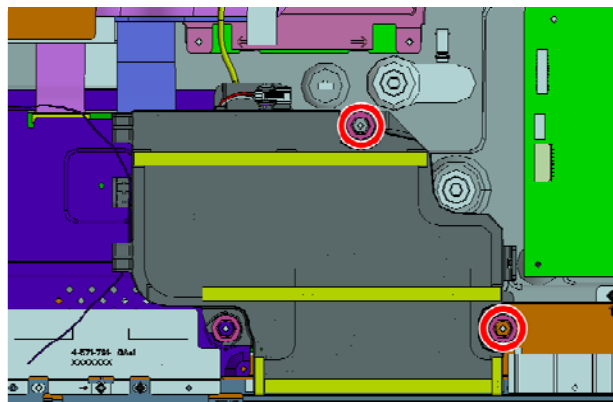


## 1-1. KD-55X9\*C

## 1-1-24. SP-BOX ASSY(D20-WF LCH CH-ND)

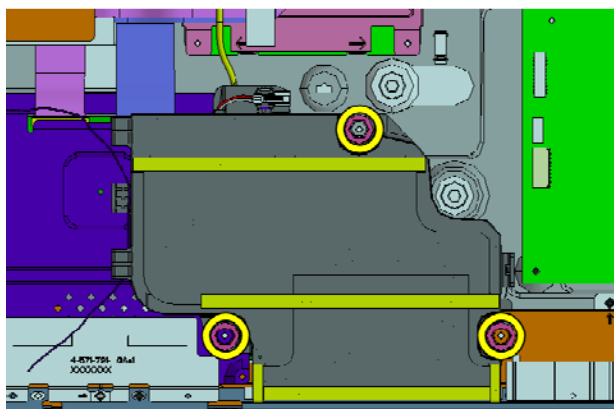


1



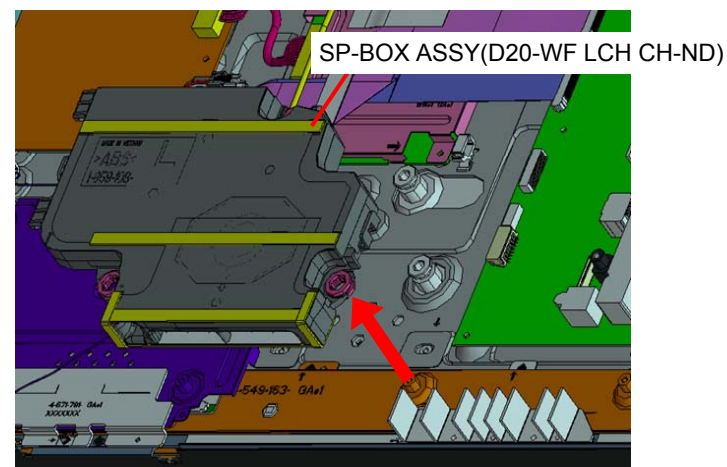
2 screws (SCREW, +PSW M3X6 W12) P/N: 4-256-393-01

2



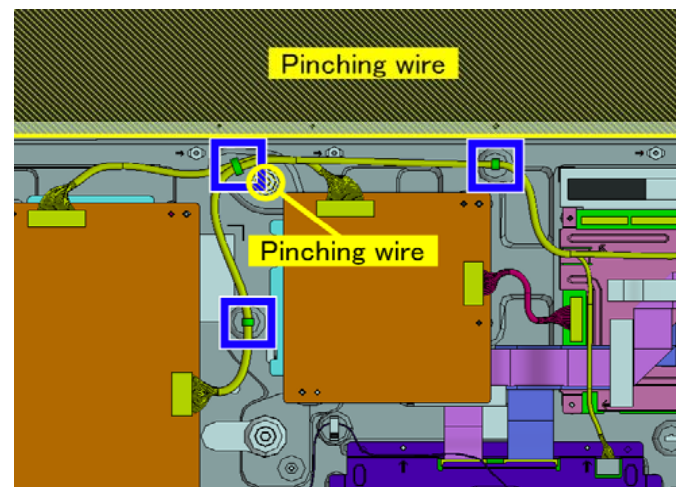
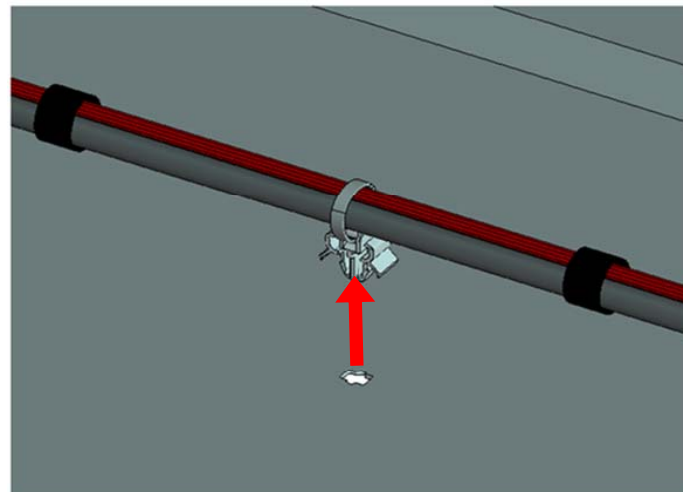
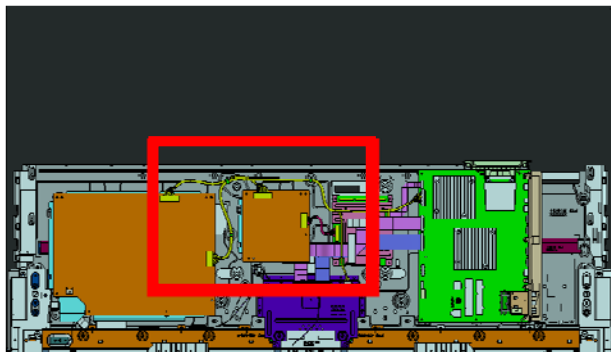
Don't pinch the wire.

3



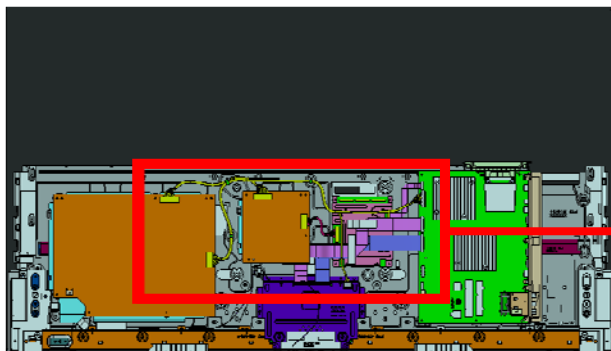
## 1-1. KD-55X9\*C

### 1-1-25. Wire Dressing

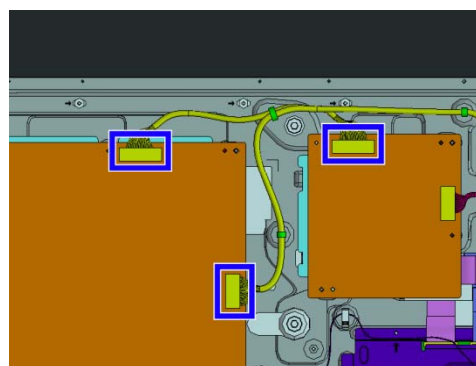
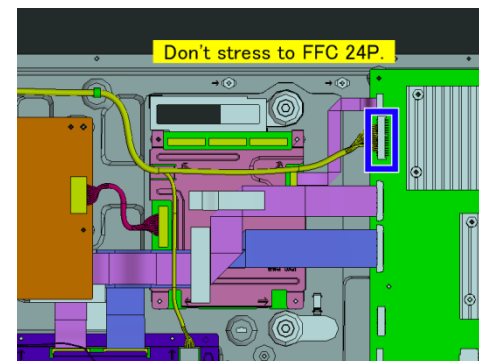
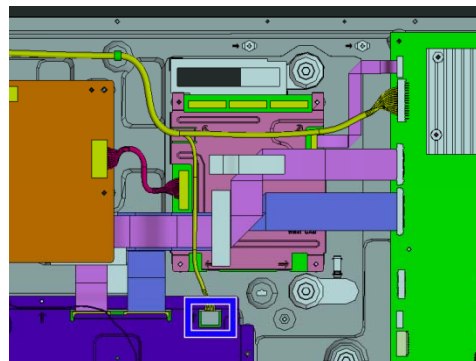
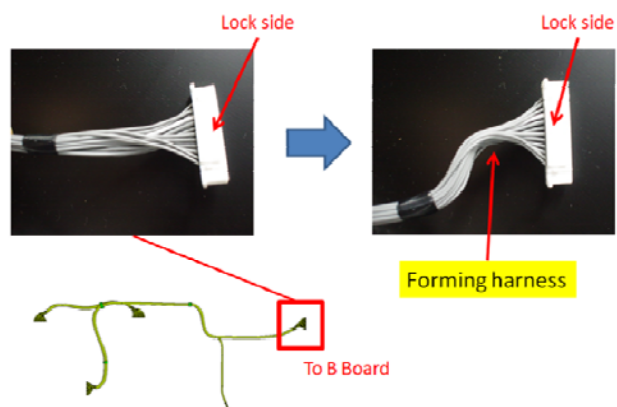


## 1-1. KD-55X9\*C

## 1-1-26. HARNESS ASSY



Pre-forming before connecting.

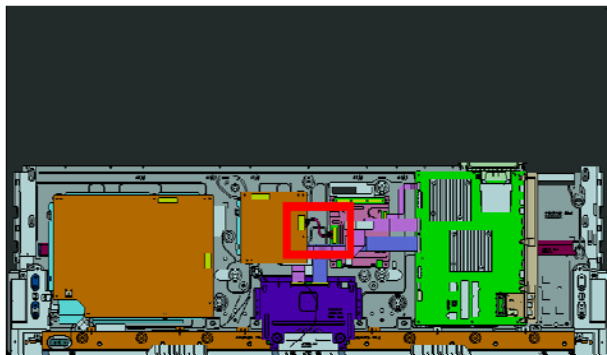


HARNESS ASSY  
P/N:1-910-109-99

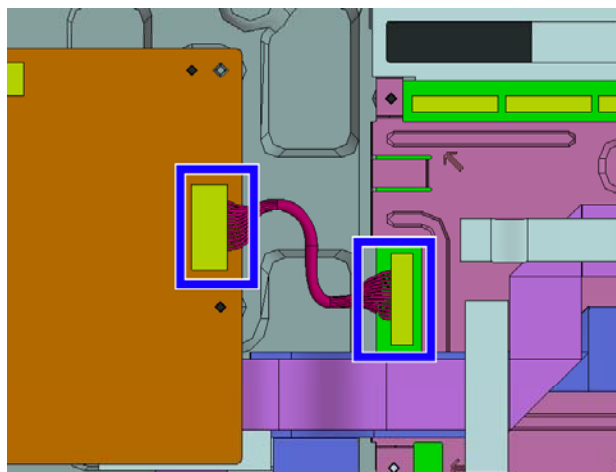


## 1-1. KD-55X9\*C

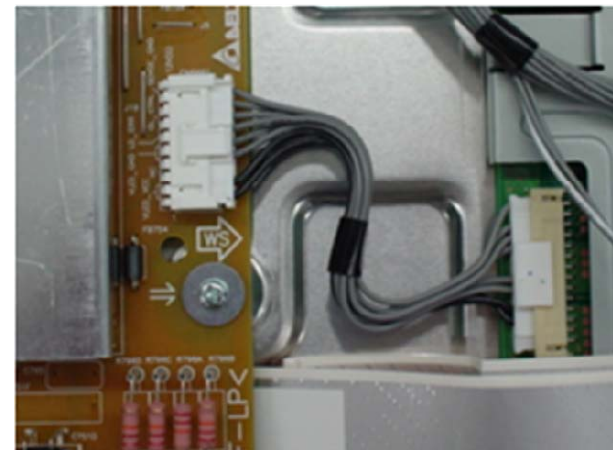
## 1-1-27. CONNECTOR ASSY 14P



1



Make forming

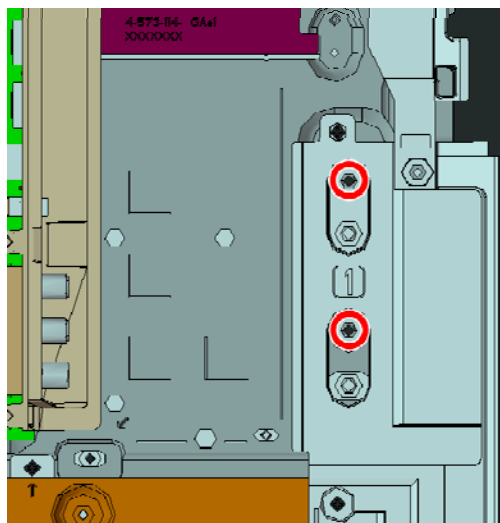


2

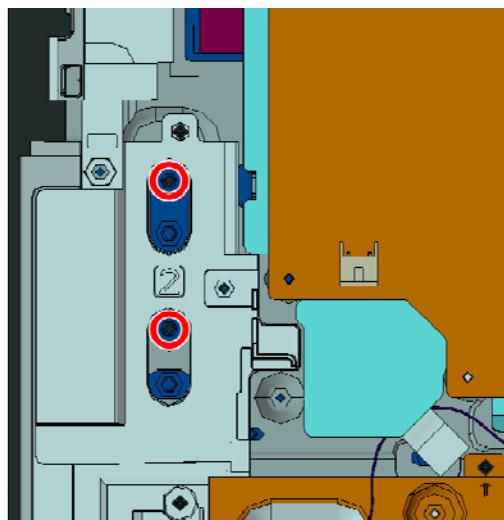
CONNECTOR ASSY 14P  
P/N:1-910-110-01

**1-1. KD-55X9\*C****1-1-28. PULLEY, STAND (CRN) OUT**

1



2

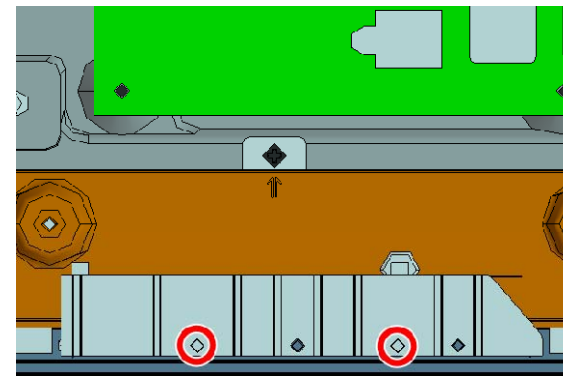
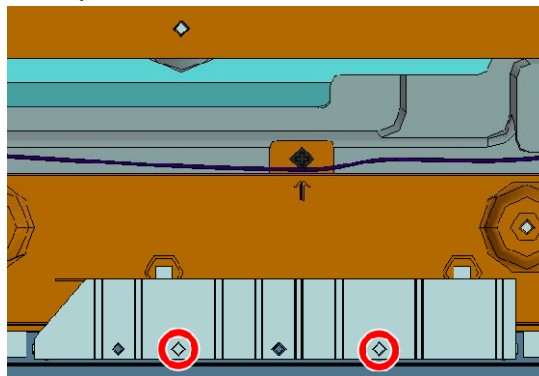


## 1-1. KD-55X9\*C

## 1-1-29. HEAT SINK L (L CRN) AND HEAT SINK R (L CRN)

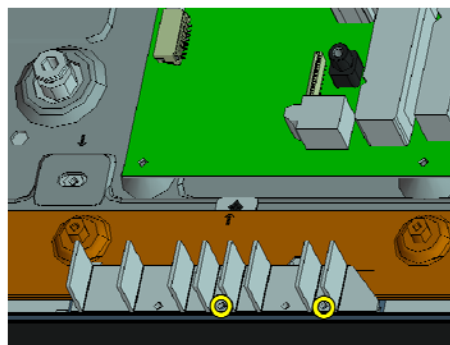
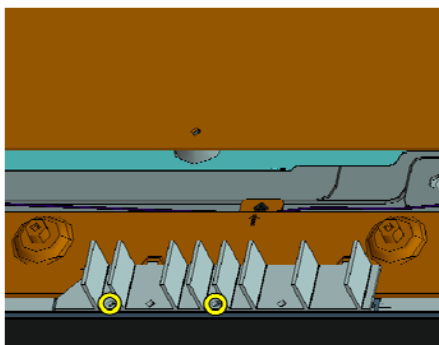


1

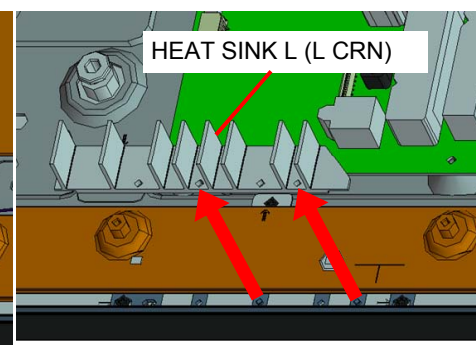
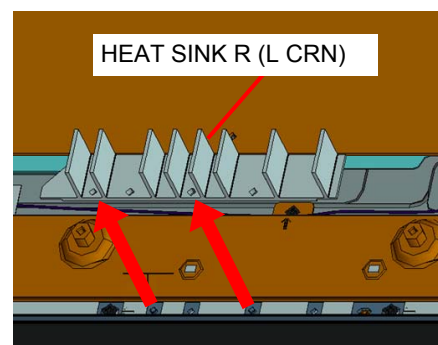


4 screws (SCREW (+PSW) (M3X6)) P/N: 2-990-421-41

2

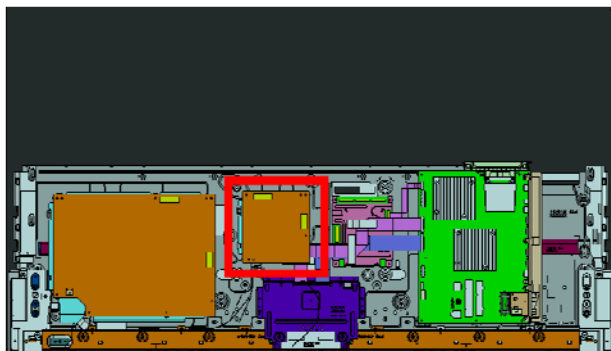


3

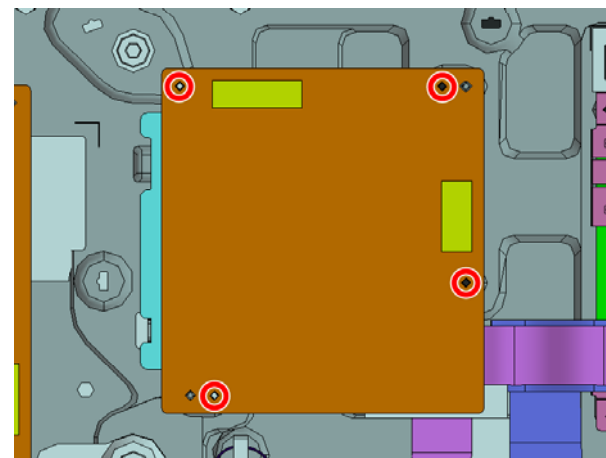


## 1-1. KD-55X9\*C

1-1-30. G1A

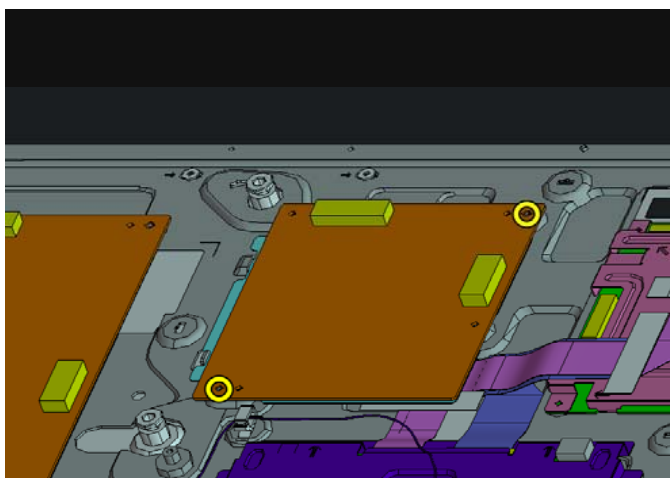


1

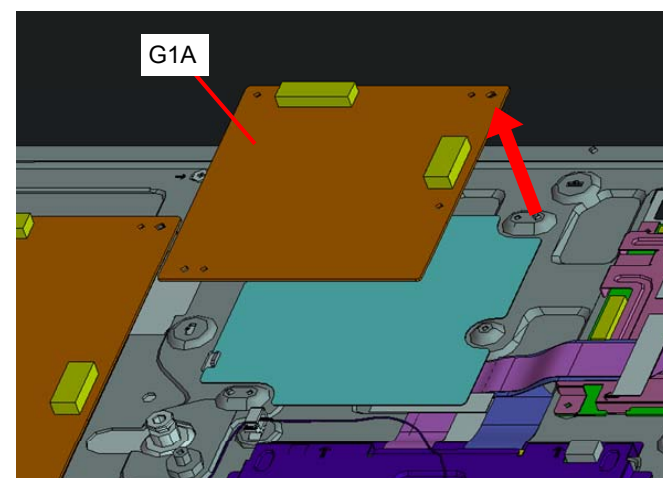


4 screws (SCREW, +PSW M3X6 W12) P/N: 4-256-393-11

2



3





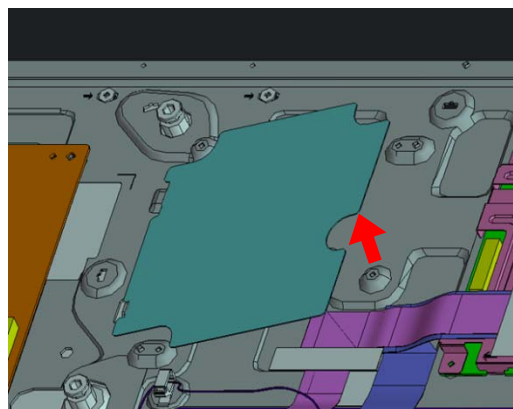
## 1-1. KD-55X9\*C

### 1-1-31.SHEET, INSULATION(CRN L LED)

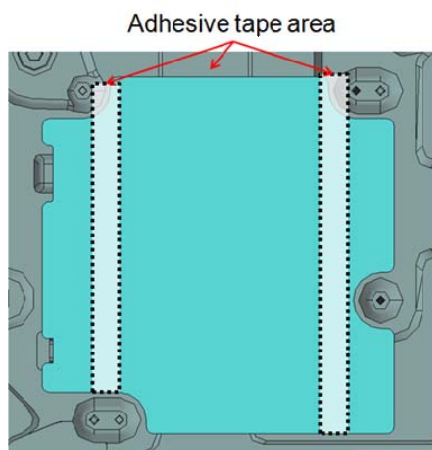
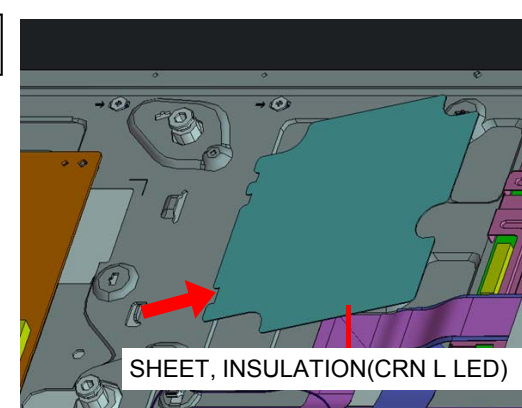
(An insulation sheet is under the G1A power supply board.)



1

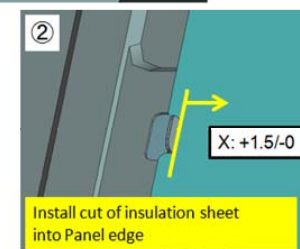
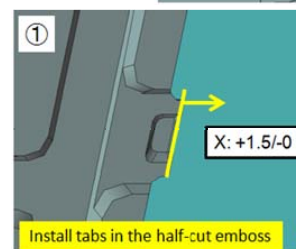
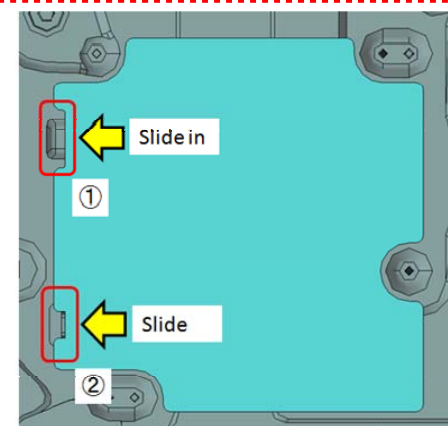


2



#### Caution

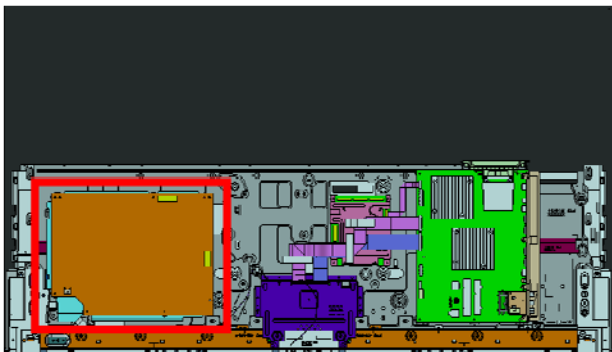
When handling,  
 • Be sure not to touch adhesive tape area.  
 After installing,  
 • Be sure to push all of adhesive tape area to avoid peel off of "Sheet, Insulation".



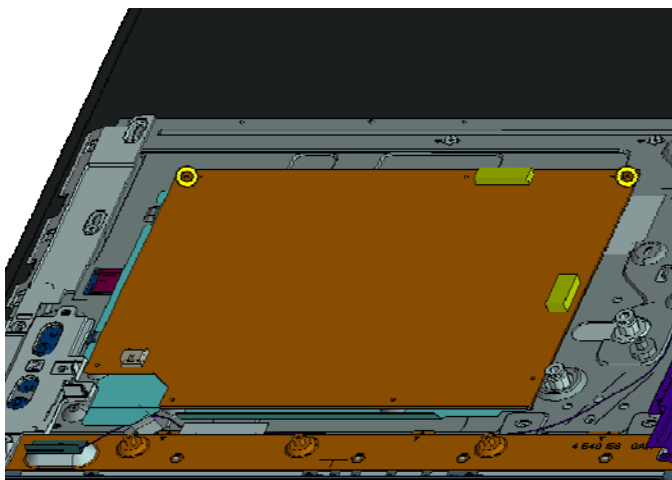


## 1-1. KD-55X9\*C

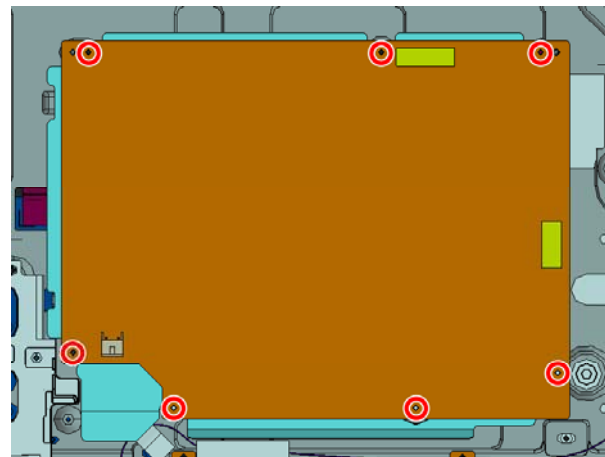
## 1-1-32. G1D



2

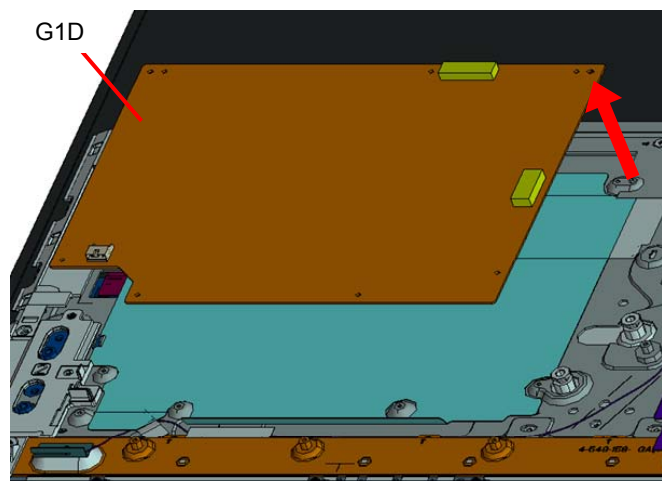


1



7 screws (SCREW, +PSW M3X6 W12) P/N: 4-256-393-11

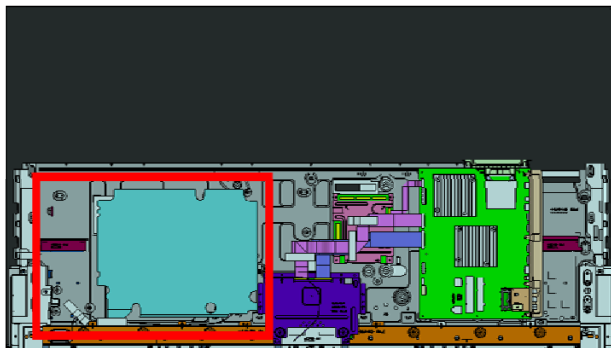
3



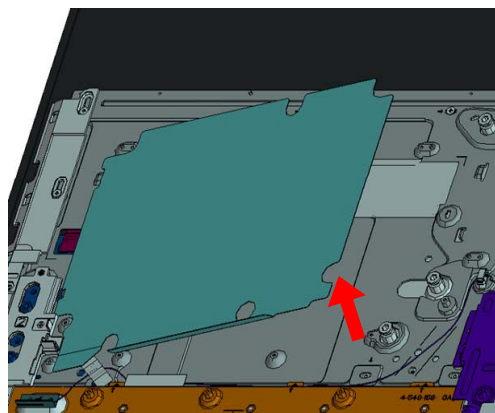
## 1-1. KD-55X9\*C

## 1-1-33. SHEET, INSLATION(CRN MAIN)

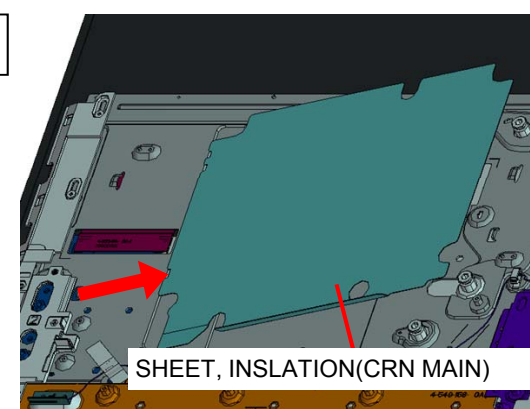
(An insulation sheet is under the G1D power supply board.)



1



2



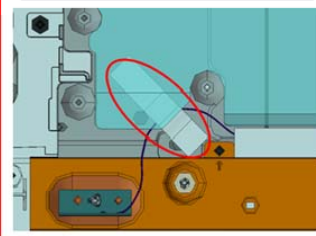
SHEET, INSLATION(CRN MAIN)

**Caution**

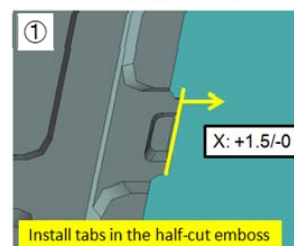
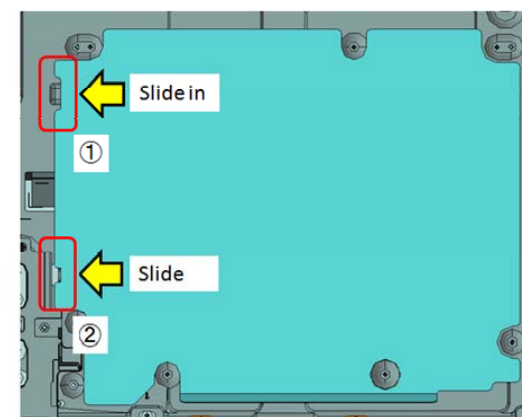
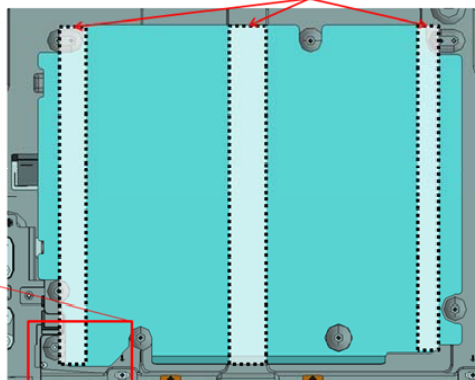
When handling,  
• Be sure not to touch adhesive tape area.

After installing,  
• Be sure to push all of adhesive tape area to avoid peel off of "Sheet, Insulation".

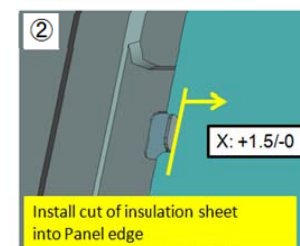
BT ANTENNA and VA TAPE must  
be under the INSULATION SHEET.



Adhesive tape area



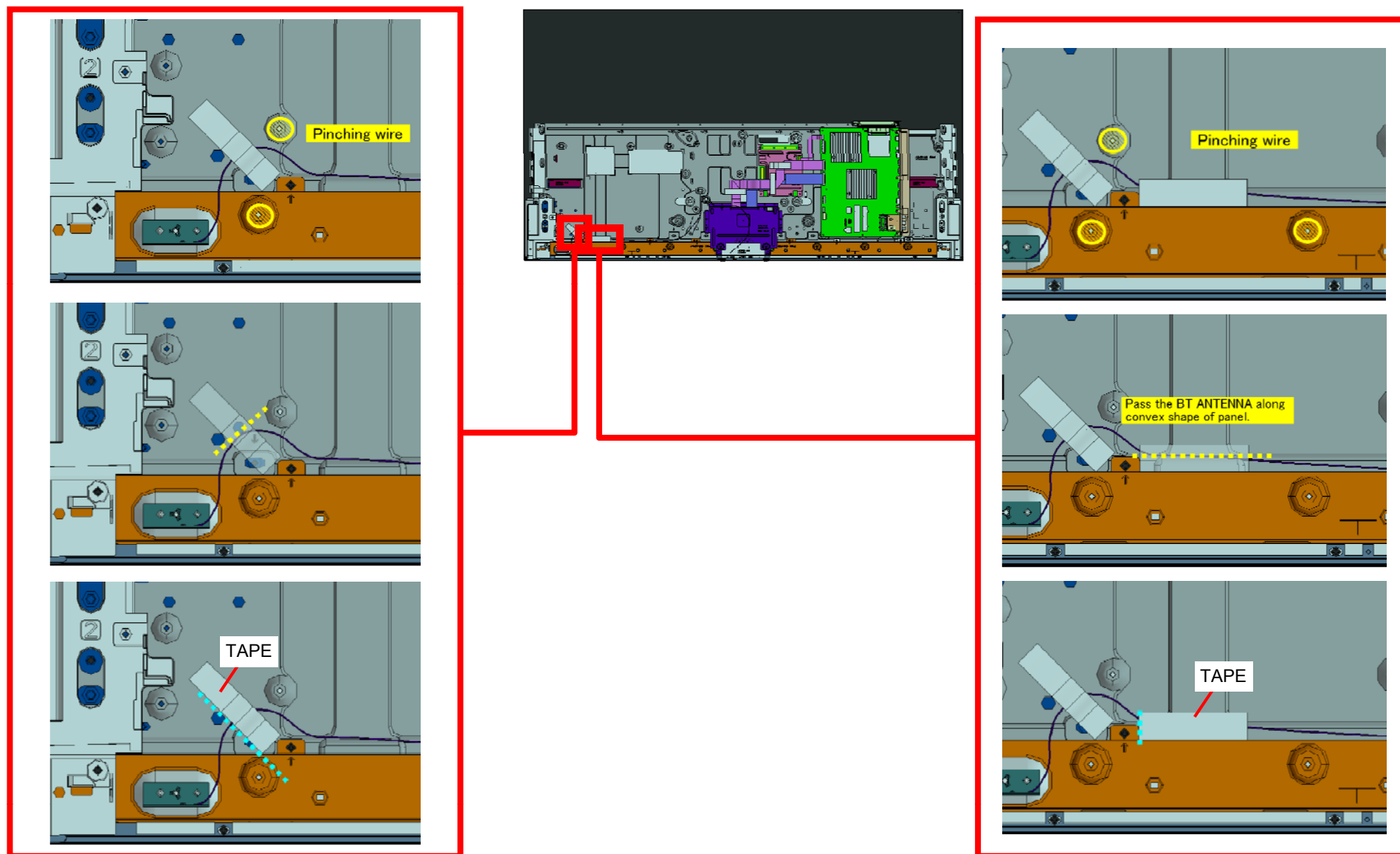
Install tabs in the half-cut emboss



Install cut of insulation sheet into Panel edge

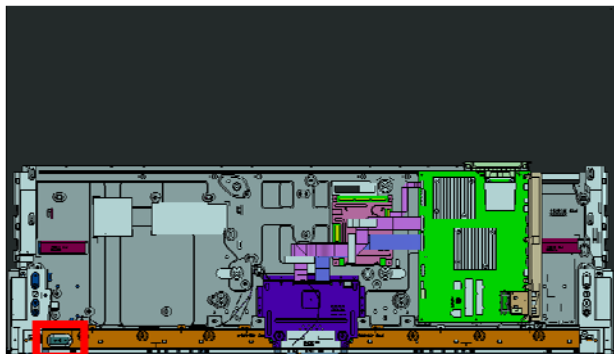
## 1-1. KD-55X9\*C

## 1-1-34. TAPE

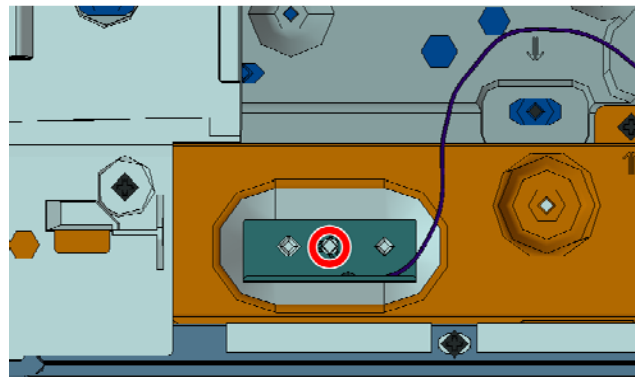


## 1-1. KD-55X9\*C

## 1-1-35. BT ANTENNA

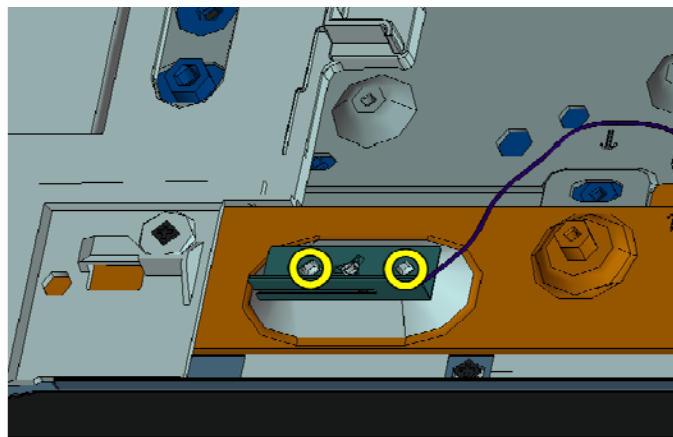


1

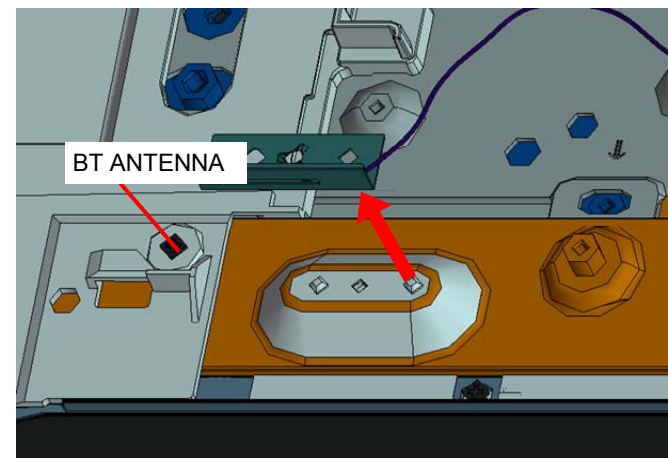


screw (SCREW (+PSW) (M3X6)) P/N: 2-990-421-41

2

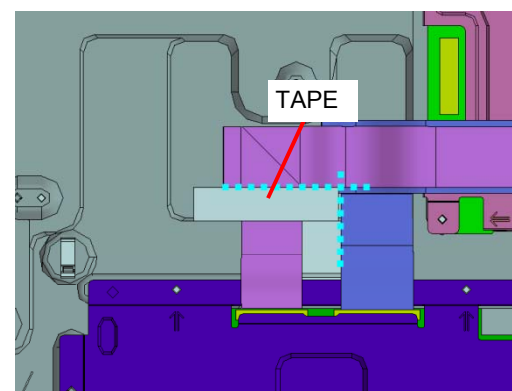
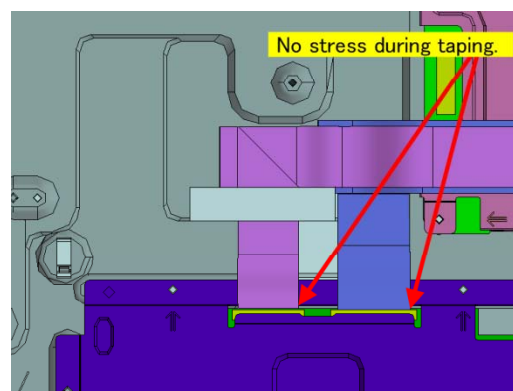
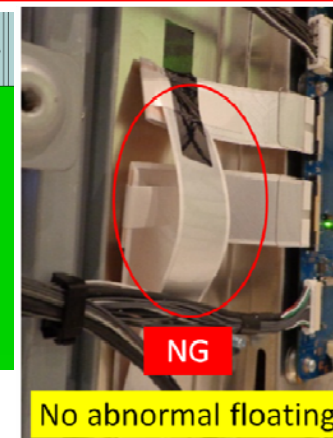
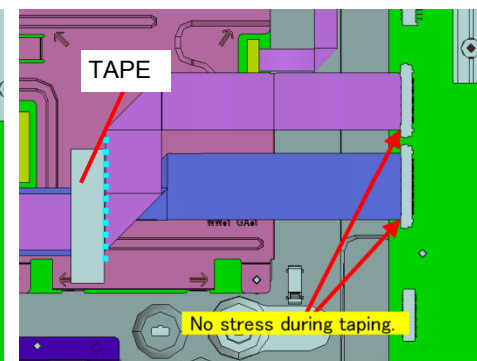
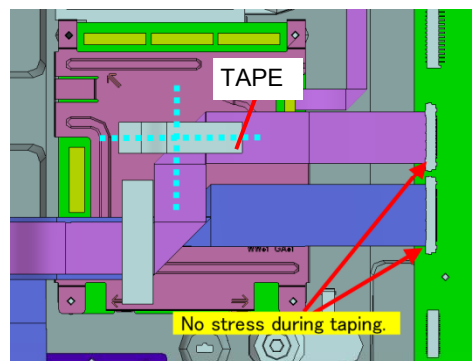
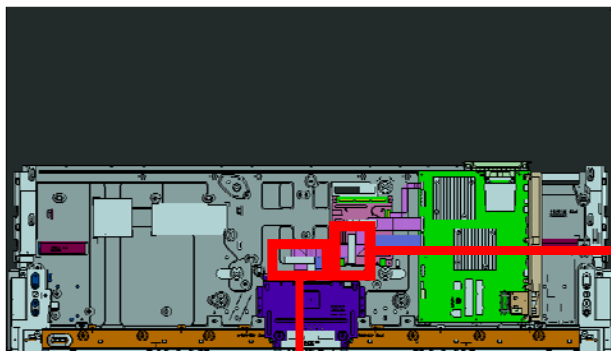


3



## 1-1. KD-55X9\*C

## 1-1-36. TAPE



No stress to FFC connector.

OK



FFC have slight slack.

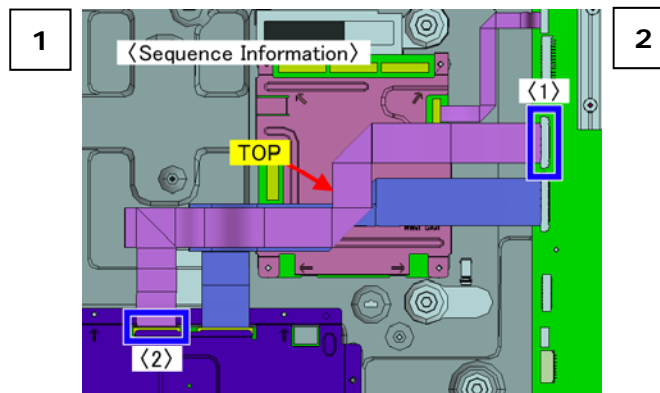
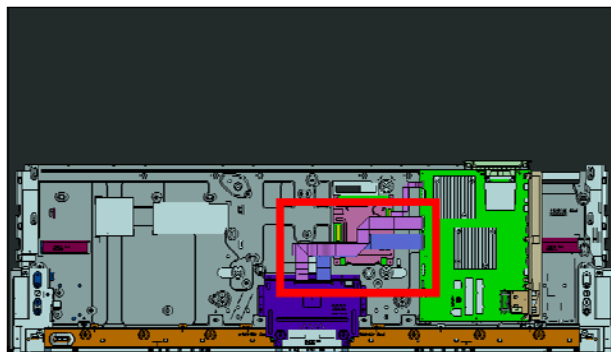
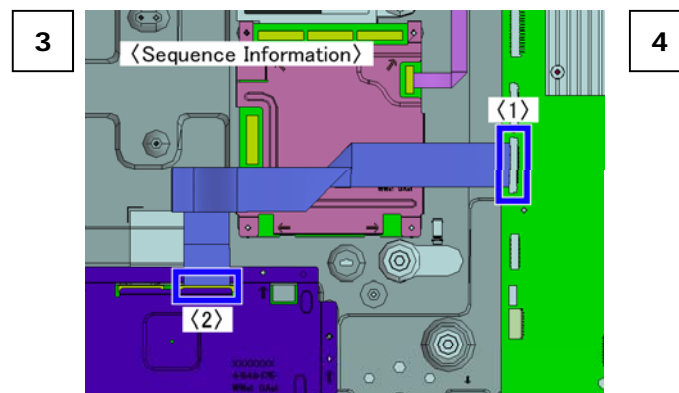
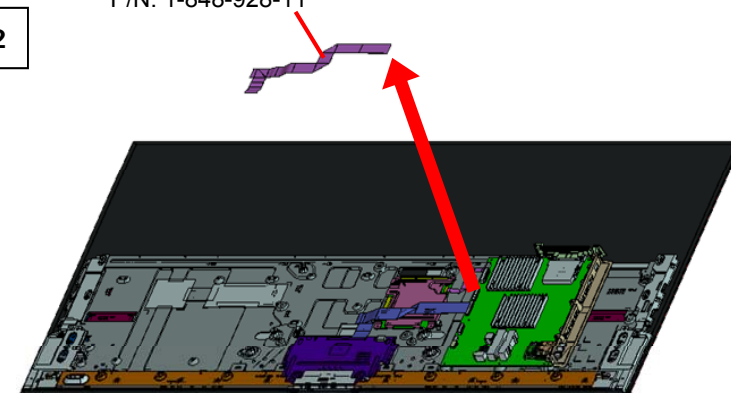
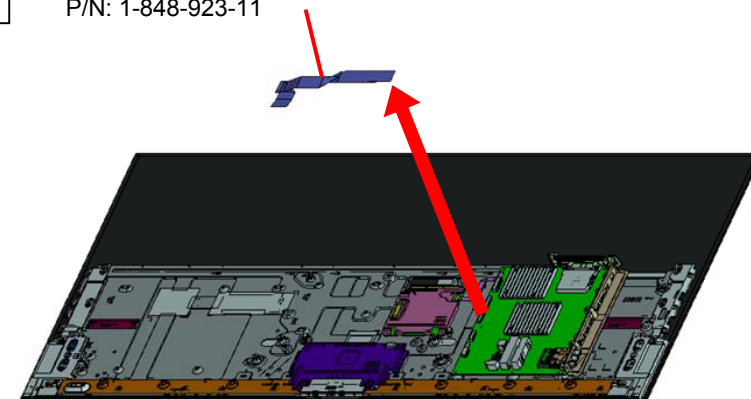
NG



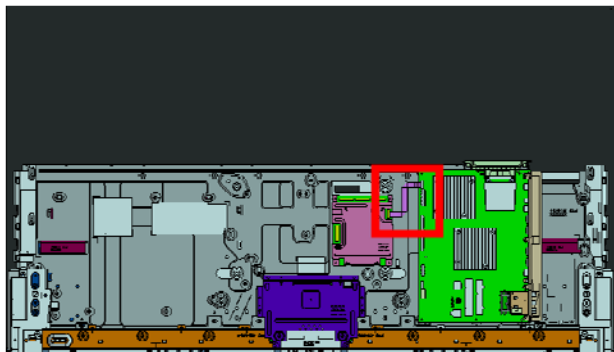
FFC have no slack completely.

## 1-1. KD-55X9\*C

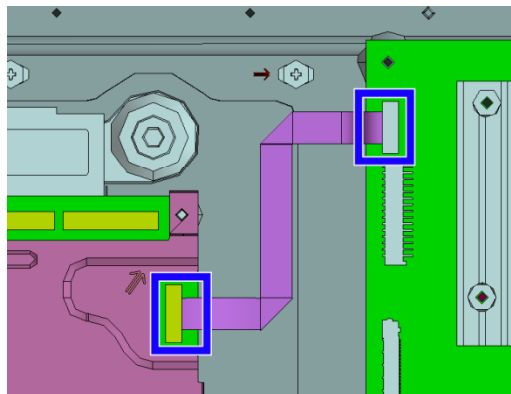
## 1-1-37. FLEXIBLE FLAT CABLE 41P (XBS) AND FLEXIBLE FLAT CABLE 51P (XBS)

FLEXIBLE FLAT CABLE 41P (XBS)  
P/N: 1-848-928-11FLEXIBLE FLAT CABLE 51P (XBS)  
P/N: 1-848-923-11



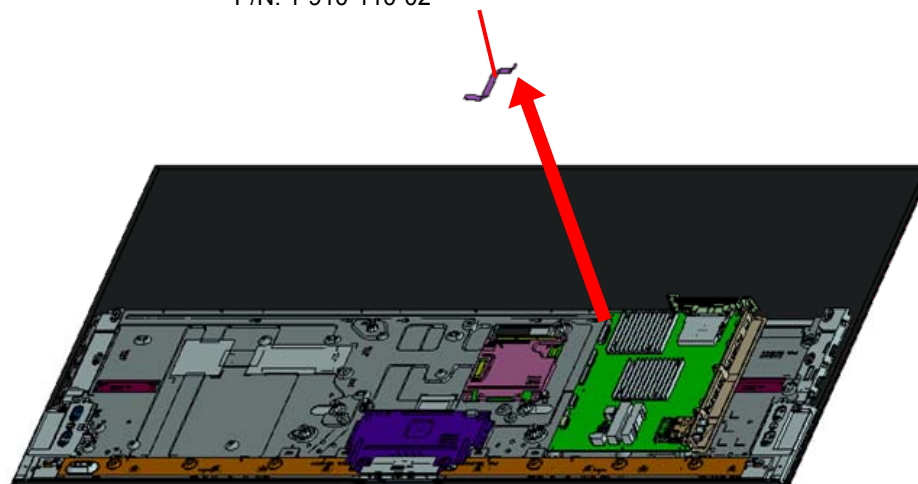
**1-1. KD-55X9\*C****1-1-38. FLEXIBLE FLAT CABLE 24P**

1



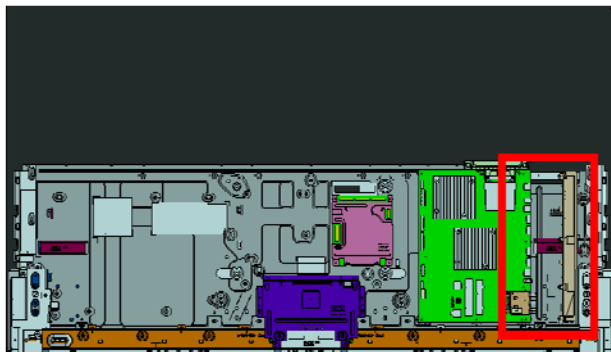
2

FLEXIBLE FLAT CABLE 24P  
P/N: 1-910-110-02

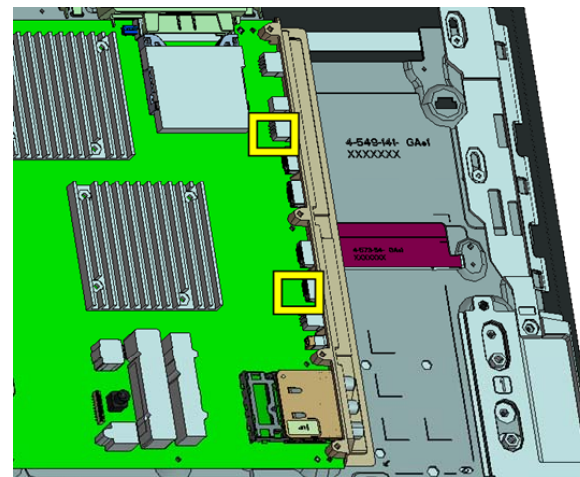


## 1-1. KD-55X9\*C

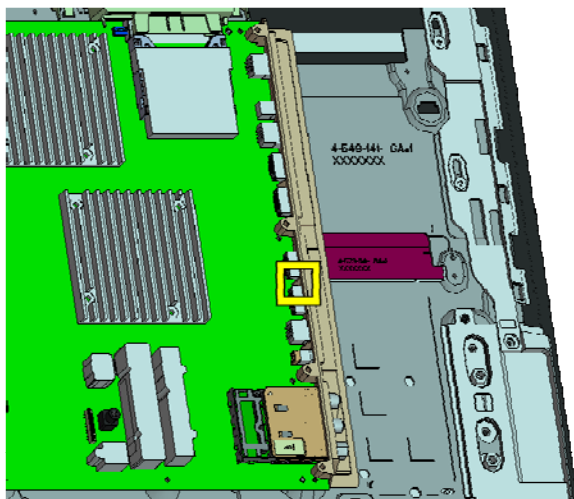
## 1-1-39. BRACKET, SIDE F (MOLD)



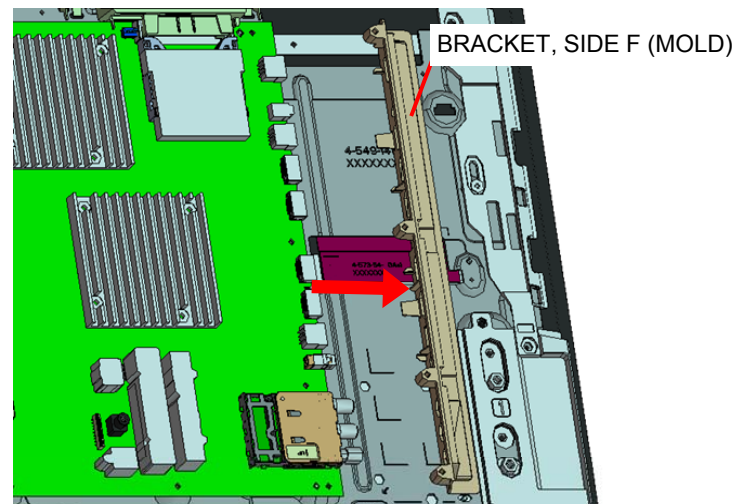
1



2



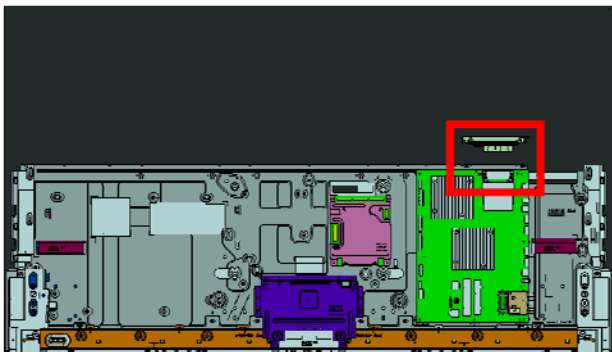
3



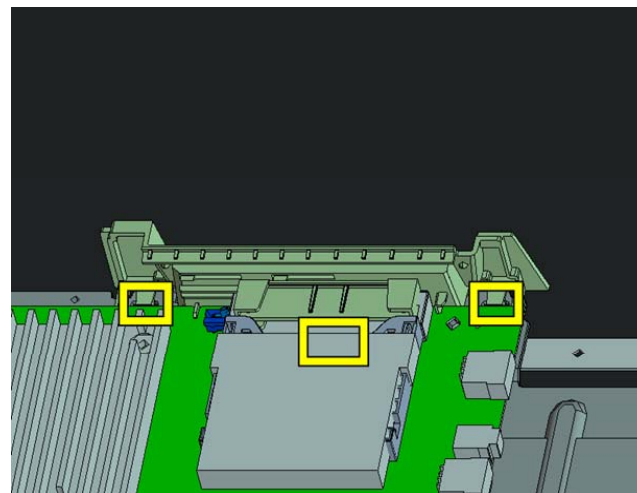


## 1-1. KD-55X9\*C

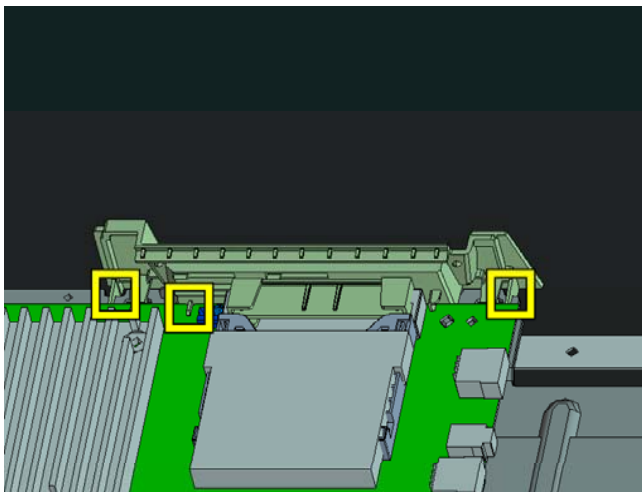
## 1-1-40. BRACKET, CARD COVER (CRN)



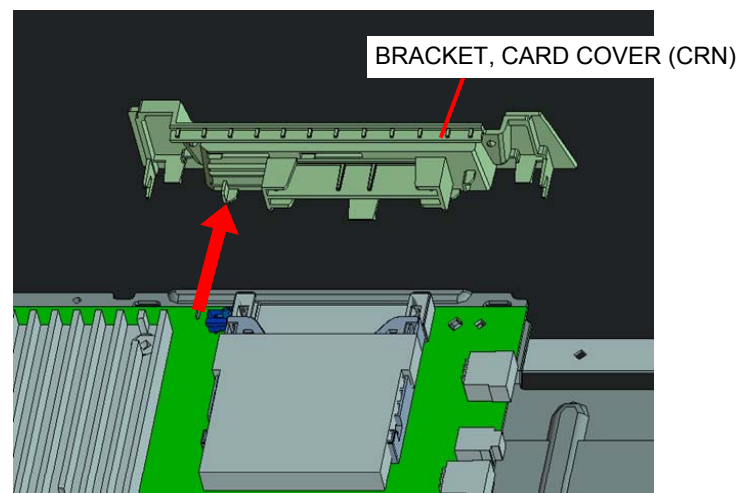
1



2

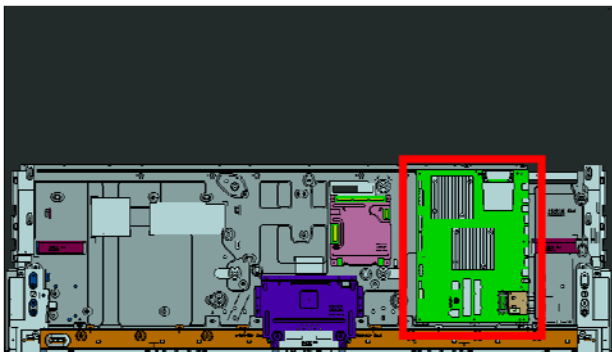


3

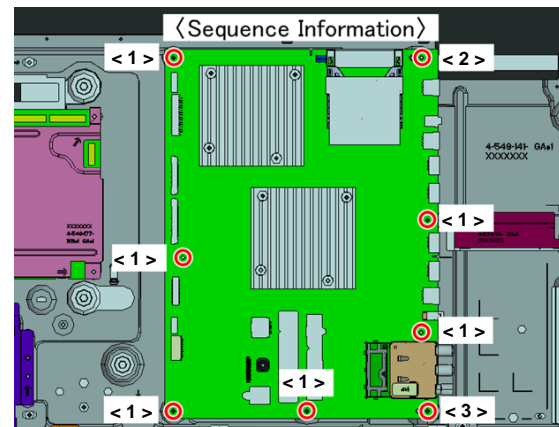


## 1-1. KD-55X9\*C

## 1-1-41. BMFW ASSY

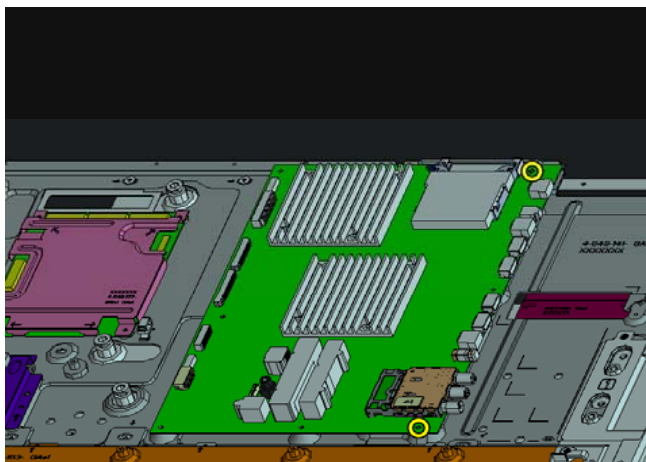


1

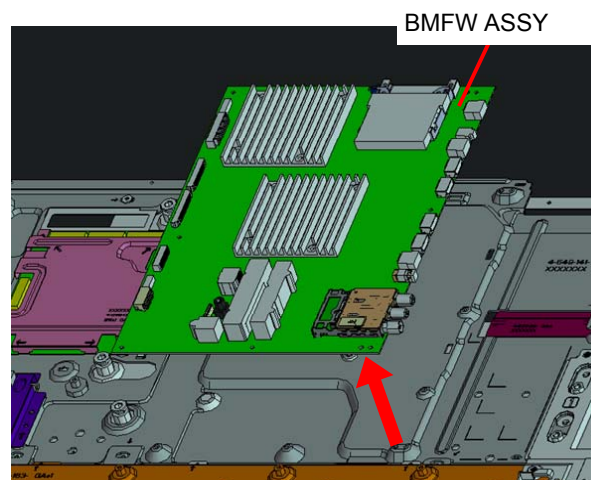


8 screws (SCREW (+PSW) (M3X6)) P/N: 2-990-421-41

2

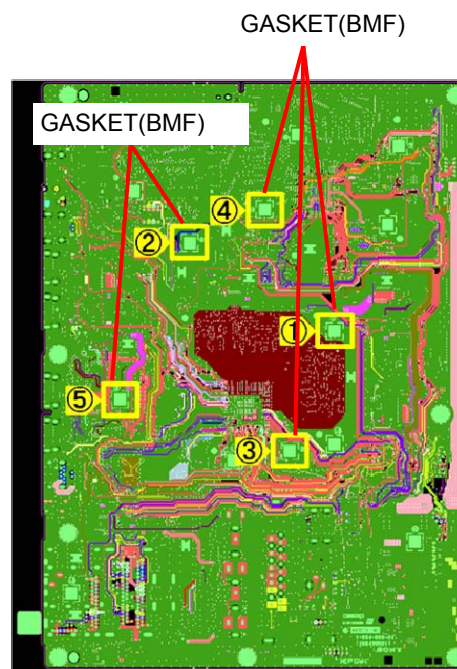
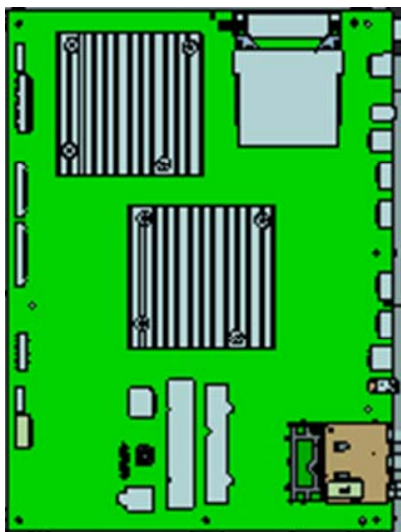


3



## 1-1. KD-55X9\*C

## 1-1-42. GASKET (BMF)

**NOTE:**

When you replace a BMFL board, it is necessary to stick five new GASKET on a new BMFL board.

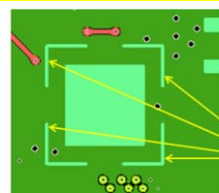
GASKET (BMF): 4-566-117-01

However, there are sets that mount the surface mount type gasket.

In that case, replacing the GASKET is not necessary.

Because it is soldered on the board and impossible to detach.

Stick GASKET inside the guide line.



Guide line

\*No indication of direction

**Caution:**

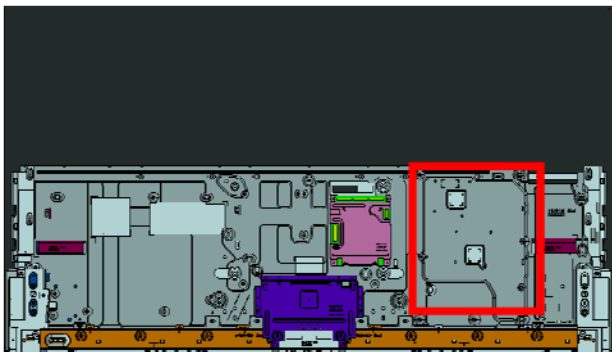
1. Please aim at the center of square land.
2. Assy the gaskets just before B board panel installation.

To stick the GASKET firmly,  
Press the gasket until compression completely.  
(0.5-1.0kgf)

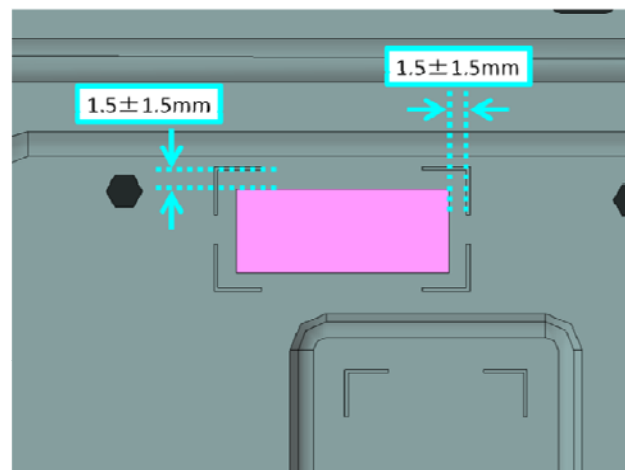


## 1-1. KD-55X9\*C

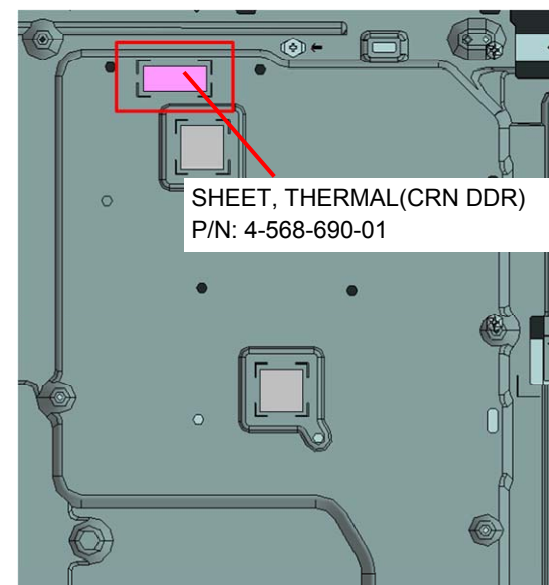
## 1-1-43. SHEET, THERMAL(CRN DDR)



1

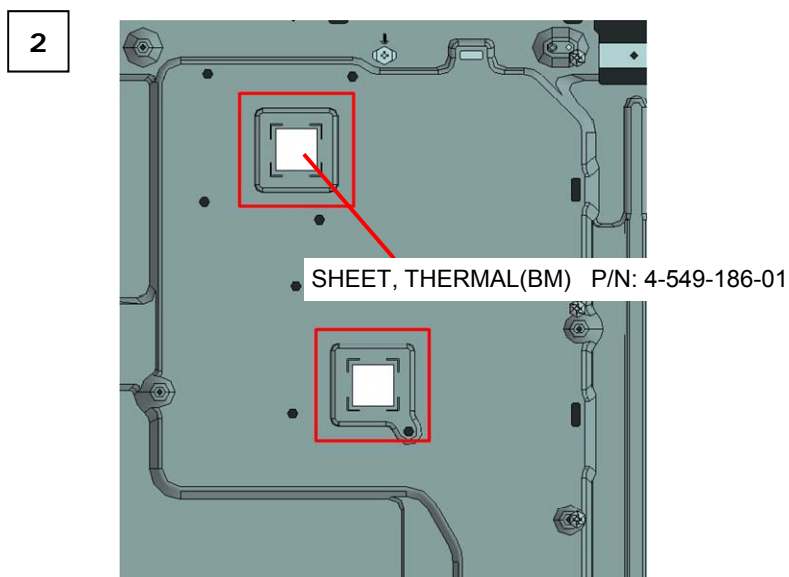
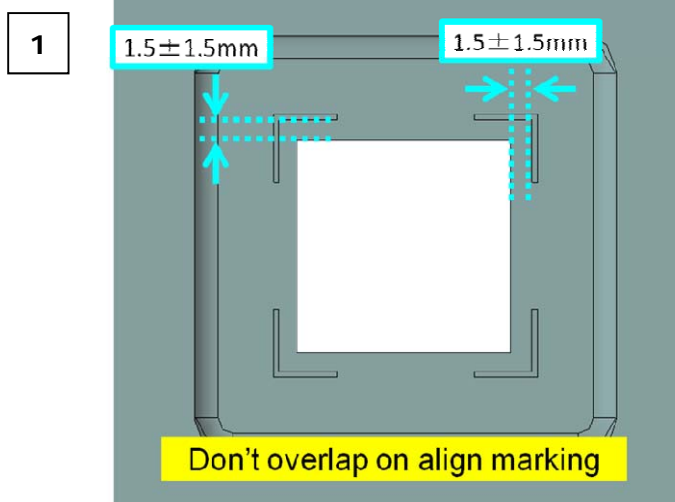
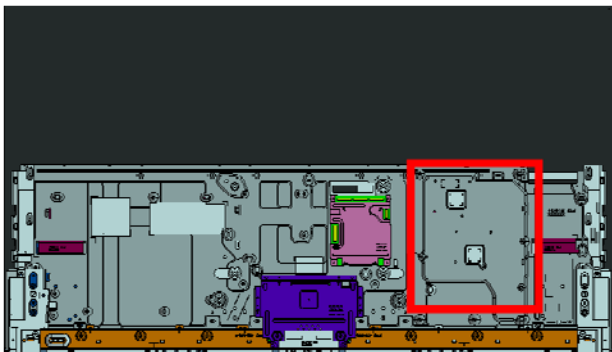


2



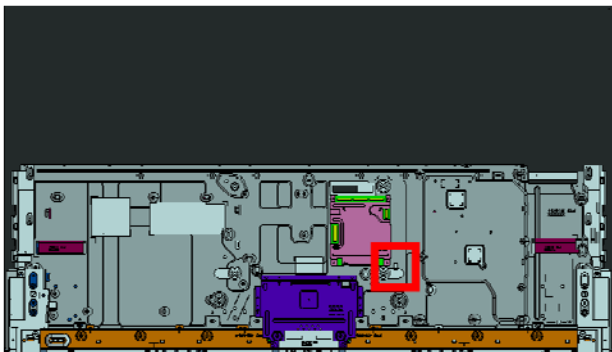
## 1-1. KD-55X9\*C

## 1-1-44. SHEET, THERMAL(BM)

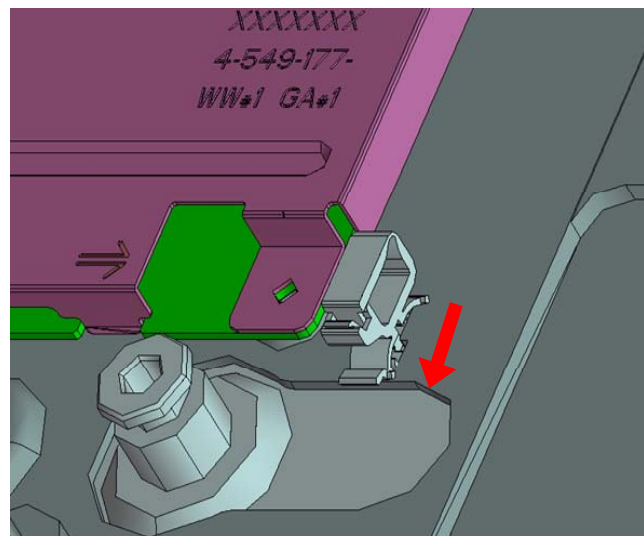


## 1-1. KD-55X9\*C

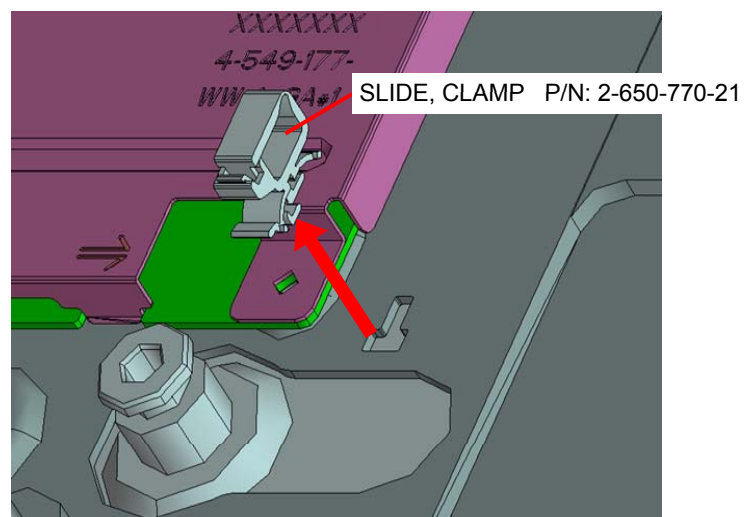
## 1-1-45. SLIDE, CLAMP

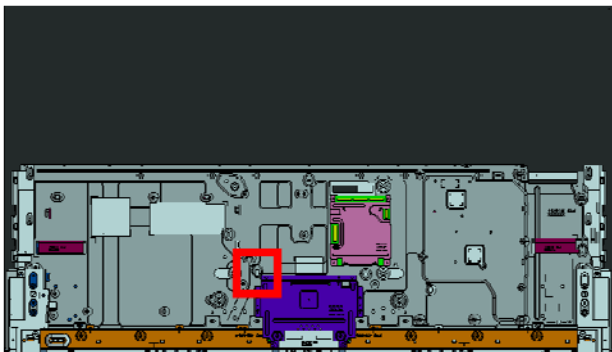
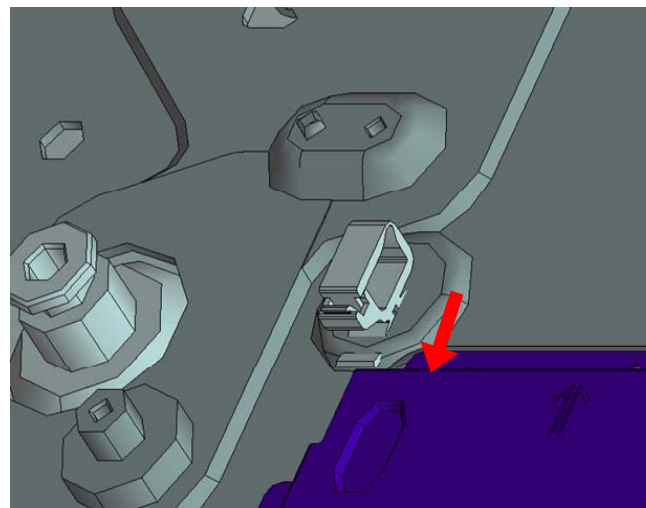
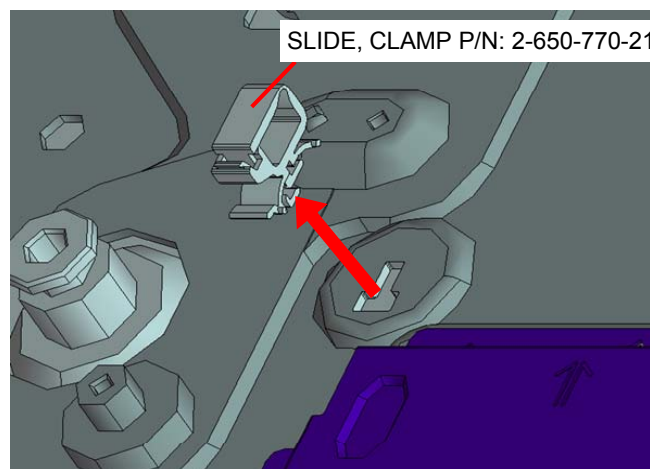


1



2



**1-1. KD-55X9\*C****1-1-46. SLIDE, CLAMP****1****2**



## 1-1. KD-55X9\*C

### 1-1-47. LCD PANEL





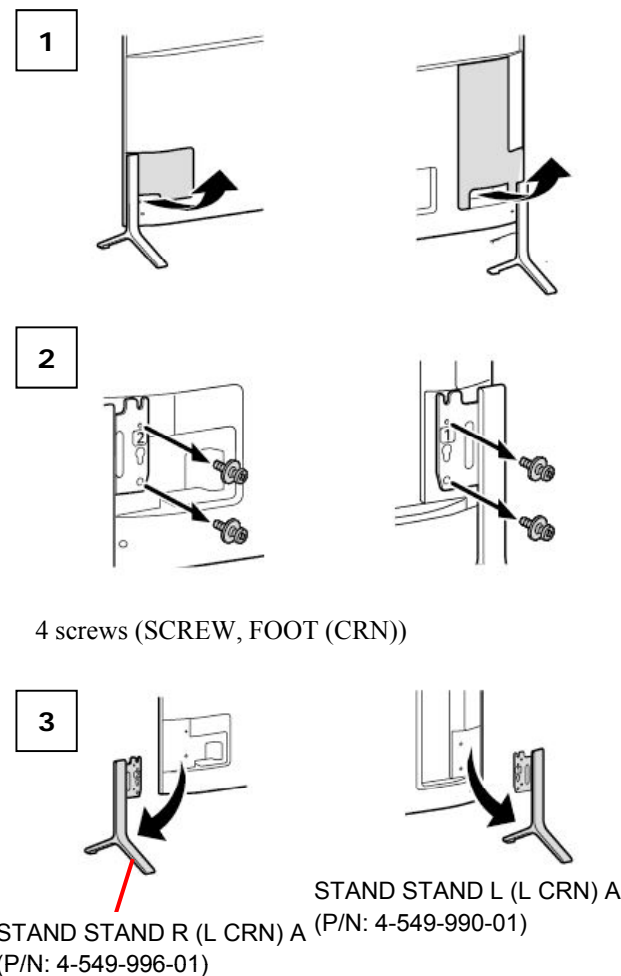
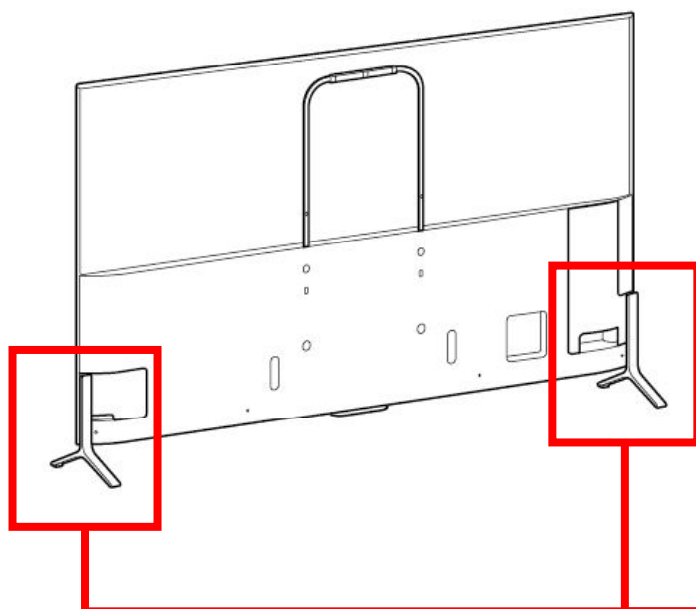
## 1-2. KD-65X9\*C

### 1-2-1. STAND

Note:

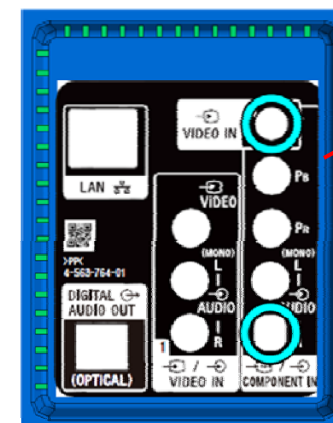
Since this model adopt "ultra thin" panel, you need to pay special attention when handling or disassembling the panel.

For the handling method for panel, please refer the APPENDIX-3 "HANDLING GUIDE" which is attached on the page 188.



## 1-2. KD-65X9\*C

## 1-2-2. SCREW CAP (L CRN) AND LABEL, REAR TERMINAL AND LABEL, SIDE TERMINAL(W)(CRN)

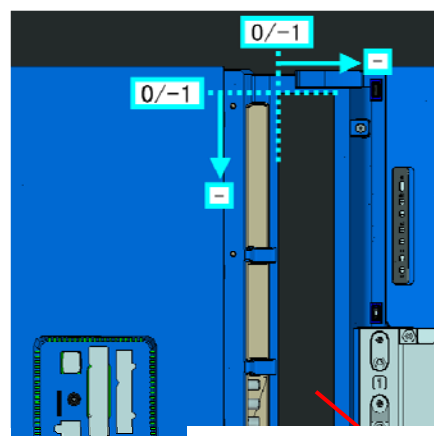
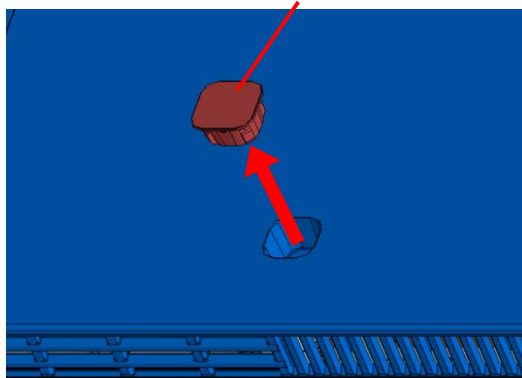


LABEL, REAR TERMINAL  
P/N: 4-563-766-01

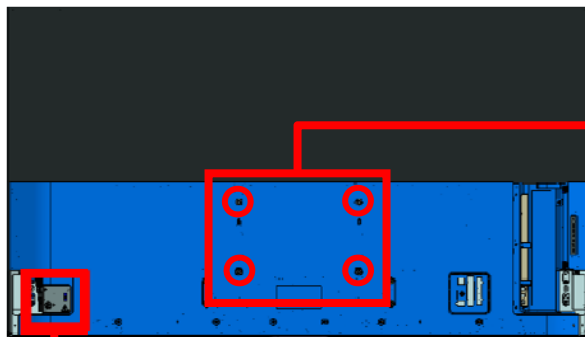
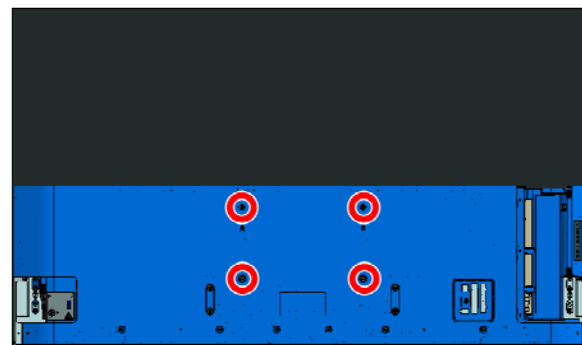
Positioning hole

1

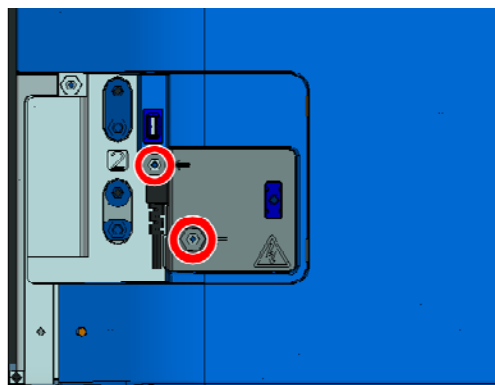
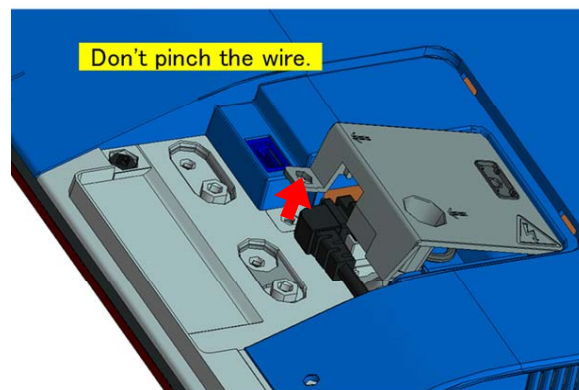
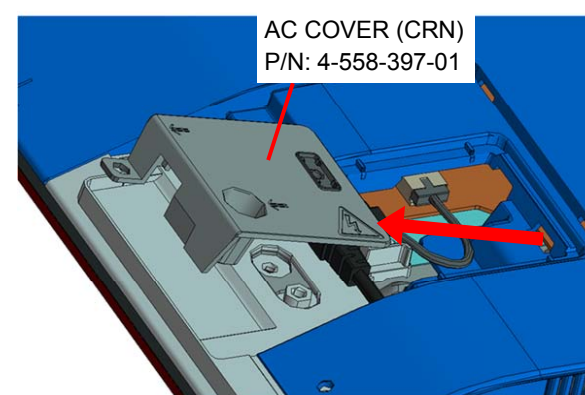
SCREW CAP (L CRN)  
P/N: 4-566-072-01



LABEL, SIDE TERMINAL(W)(CRN)  
P/N: 4-570-640-31

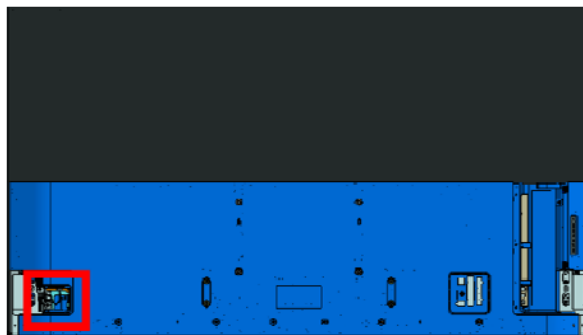
**1-2. KD-65X9\*C****1-2-3. AC COVER (CRN)****1**

4Screws (SCREW, +PSW M6X16) P/N: 2-580-611-01

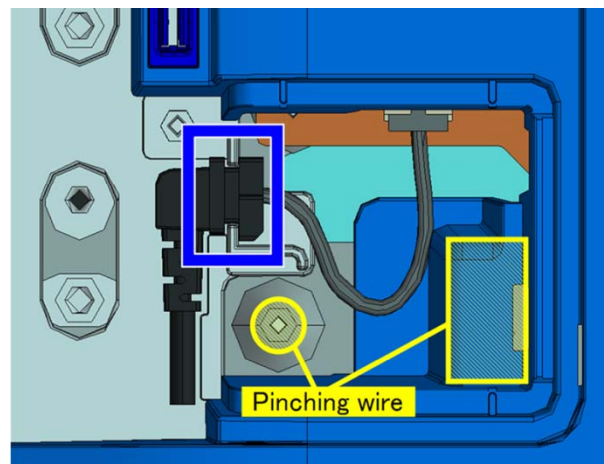
**2**2Screws (SCREW, +PWH M3X6)  
P/N: 4-452-935-01**3****4**

## 1-2. KD-65X9\*C

## 1-2-4. POWER SUPPLY CORD

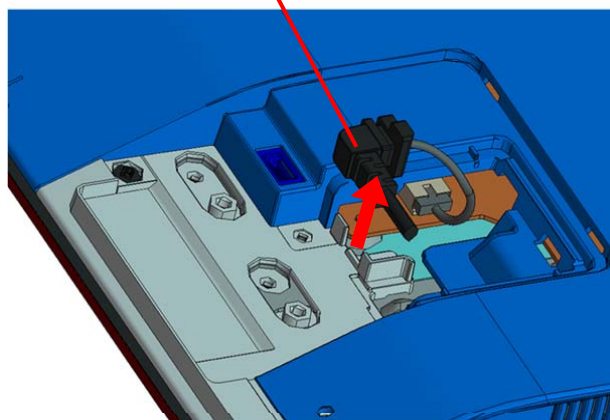


1



POWER SUPPLY CORD  
P/N: 1-839-667-21 (UKA)  
P/N: 1-839-691-21 (CEI/RU3)

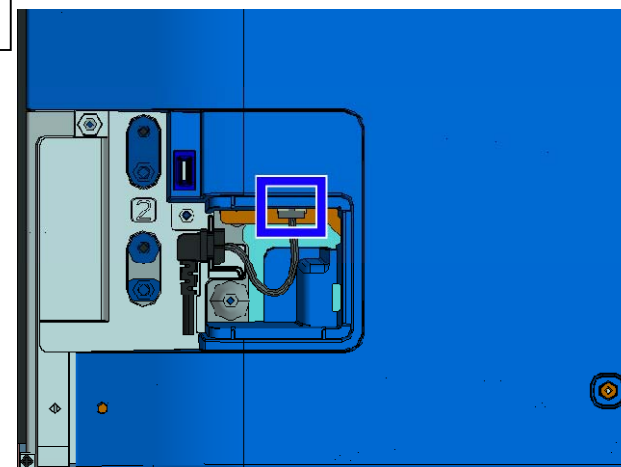
2



Push AC CORD to not enter to prohibition area.



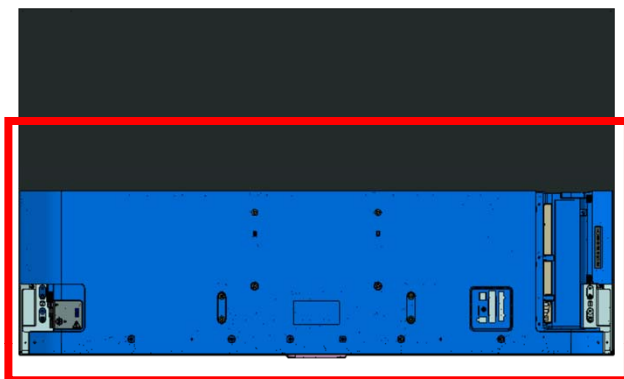
3



## 1-2. KD-65X9\*C

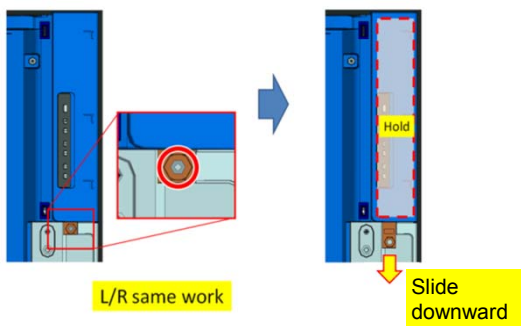
### 1-2-5. REAR COVER (2L CRN) A

\*Refer "APPENDIX-5" for Procedure to Disassemble



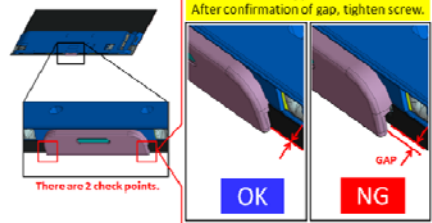
1. Unscrew.
2. Release the lock by sliding the LOCK SLIDER to downward.

2

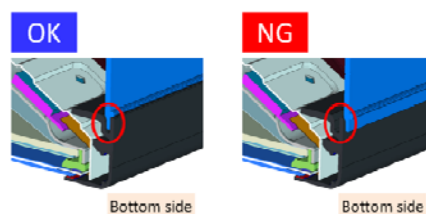


Confirm Smart Core is assembled properly after closing / before tightening screw of Rear Cover.

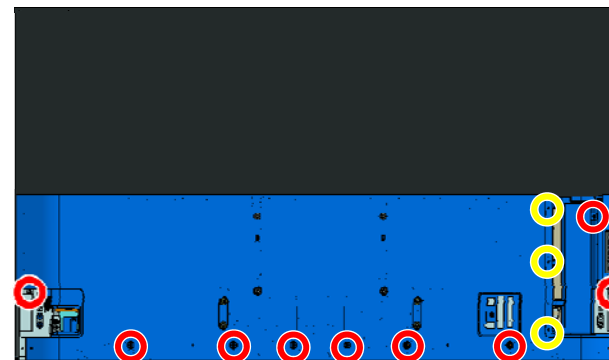
※ Confirm opposite side also. After confirmation of gap, tighten screw.



Ensure R/C is installed to slit of panel.

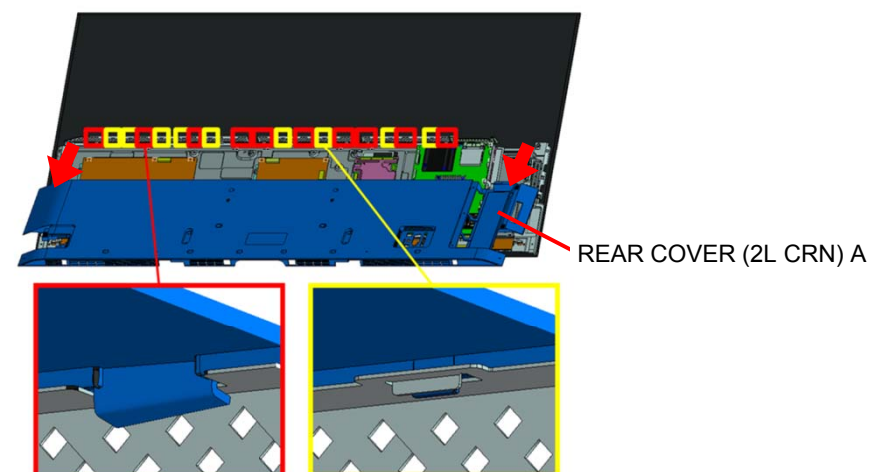


1



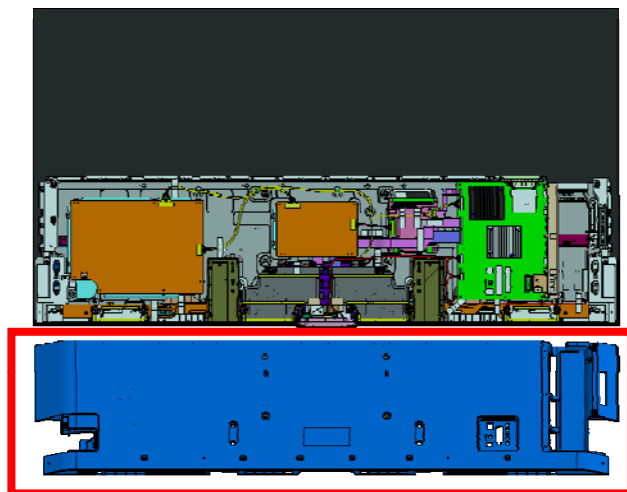
- 3 screws (SCREW, +PWH M3X6) P/N: 4-452-935-01
- 3 screws (SCREW, +BVTP 4X12 TYPE2 IT-3) P/N: 2-580-639-01

3



## 1-2. KD-65X9\*C

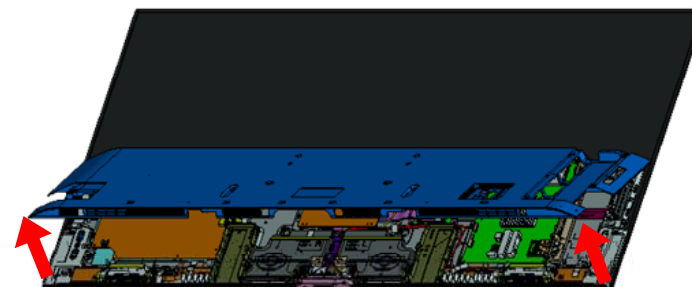
## 1-2-6. REAR COVER (2L CRN) A



1



2

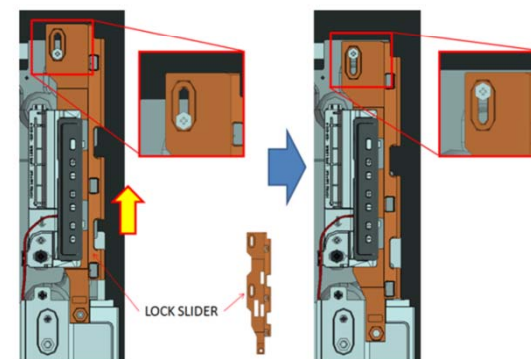


3



REAR COVER (2L CRN) A

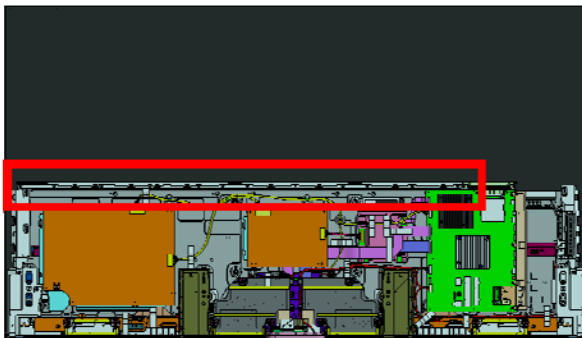
Slide up LOCK SLIDER and dislodge.



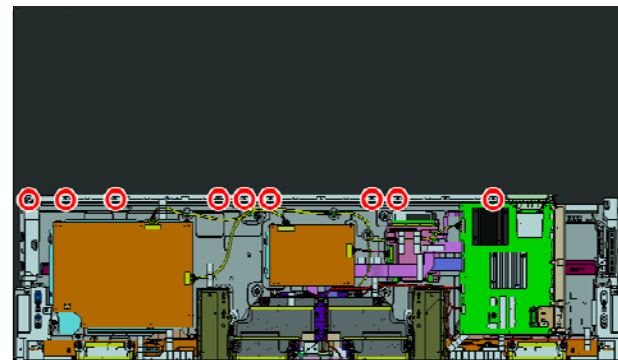
L/R same work

## 1-2. KD-65X9\*C

### 1-2-7. BRACKET TOP (2L)



1



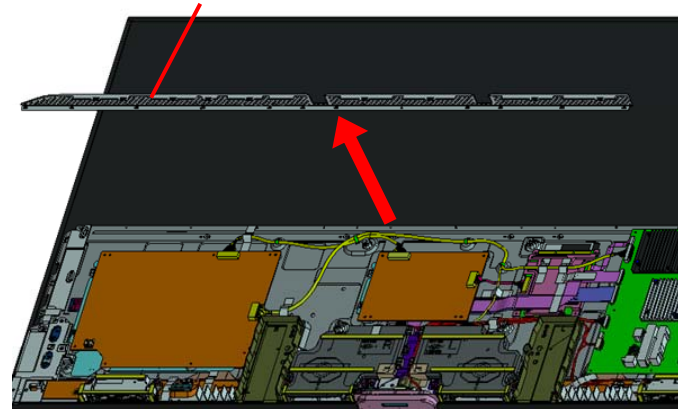
9 screws (SCREW (+PSW) (M3X6)) P/N: 2-990-421-41

2



3

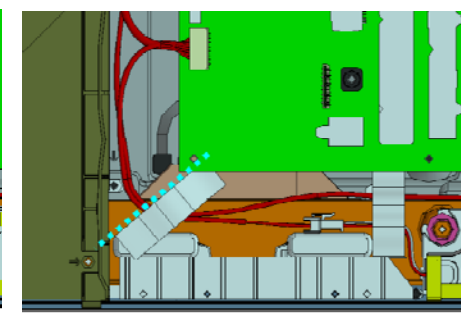
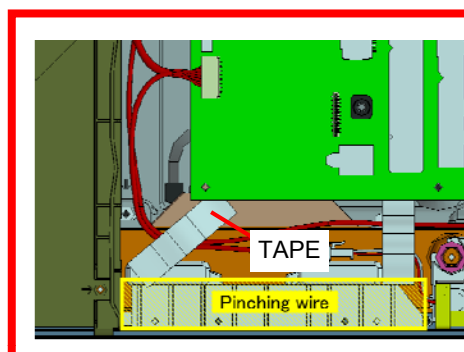
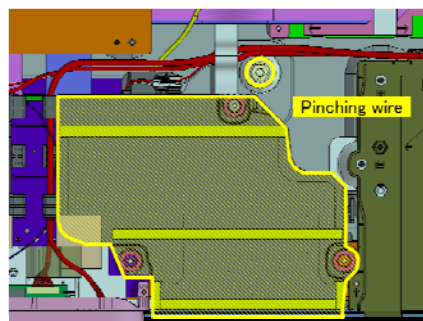
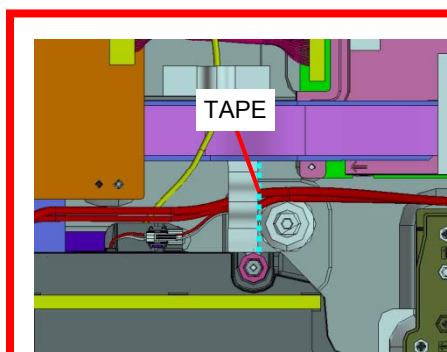
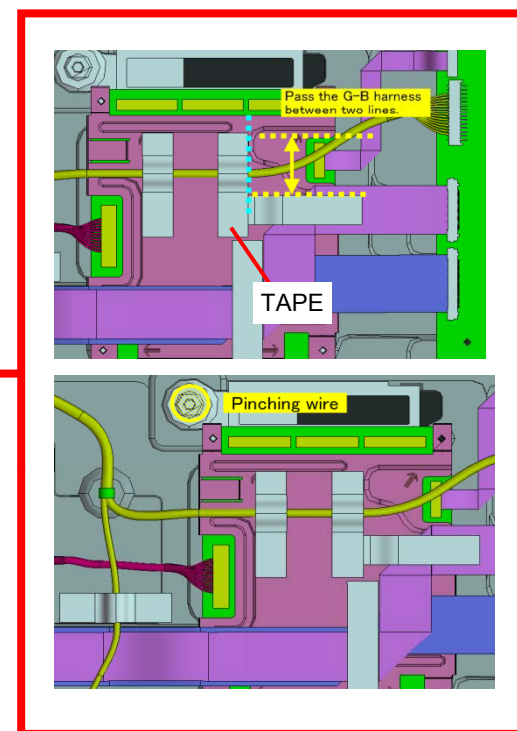
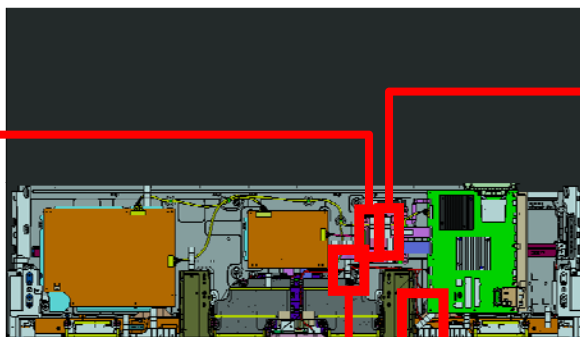
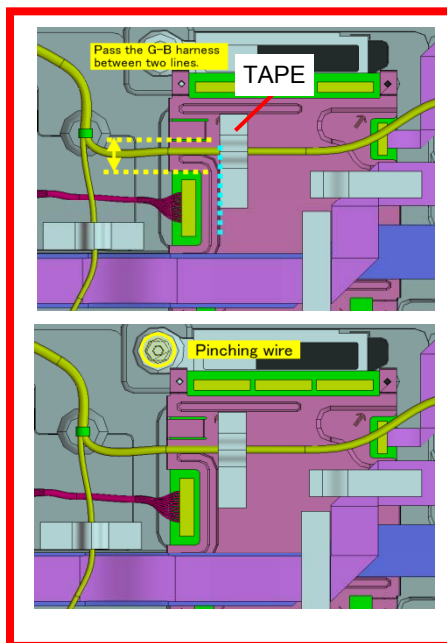
BRACKET TOP (2L)





## 1-2. KD-65X9\*C

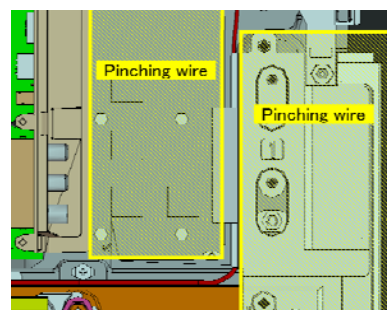
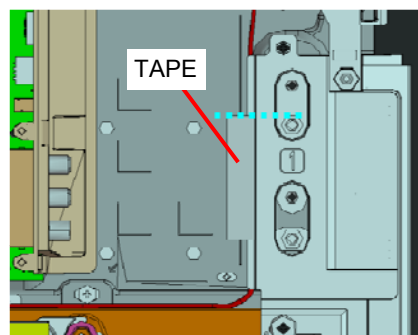
## 1-2-8. TAPE



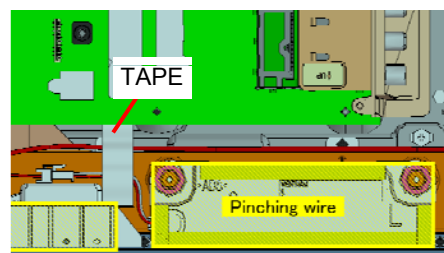
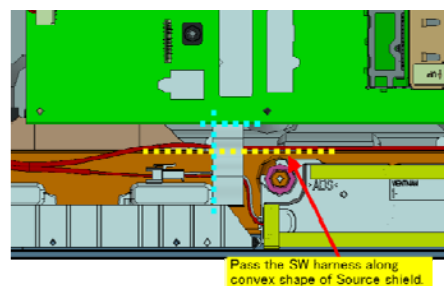
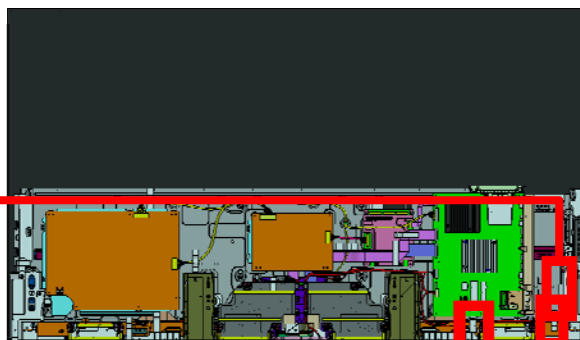
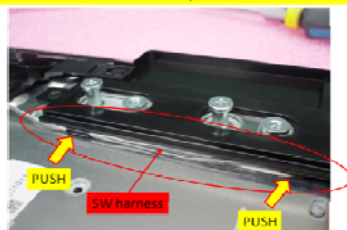


# 1-2. KD-65X9\*C

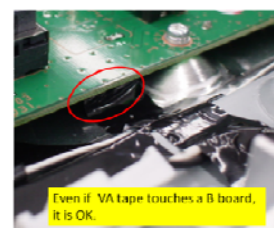
## 1-2-9. TAPE



Push in SW harness between panel and Bracket Stand.

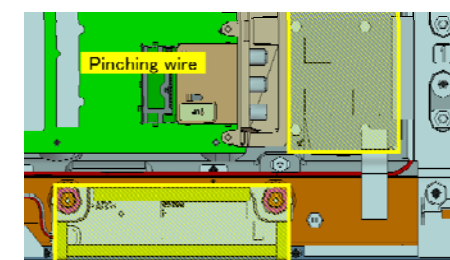
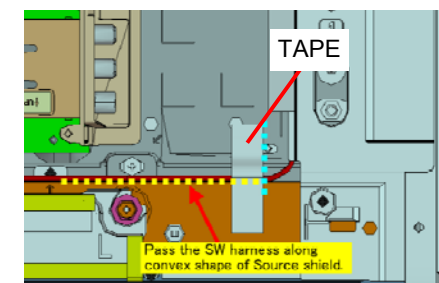
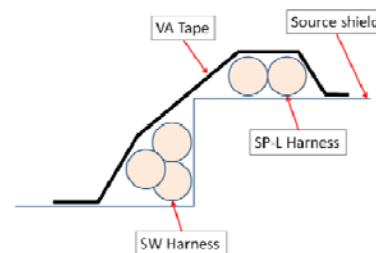


### Tape information

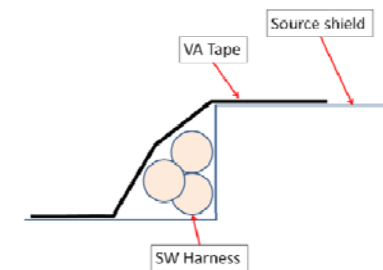


Even if VA tape touches a B board, it is OK.

### Tape-Harness information

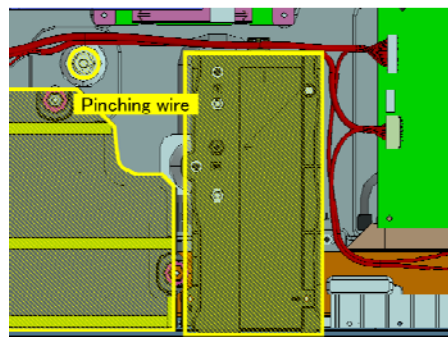
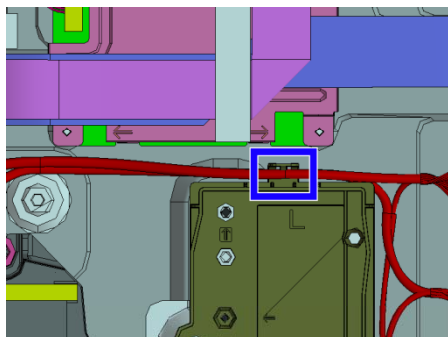
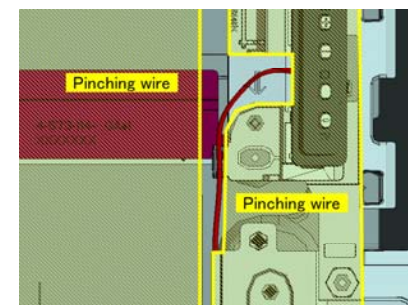
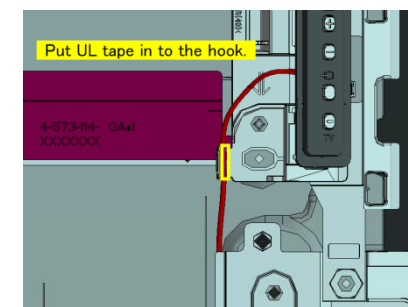
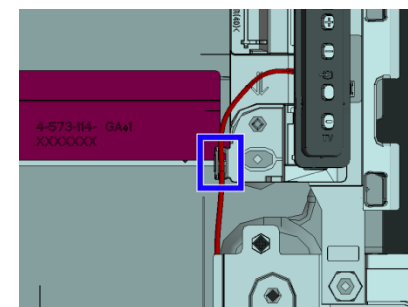
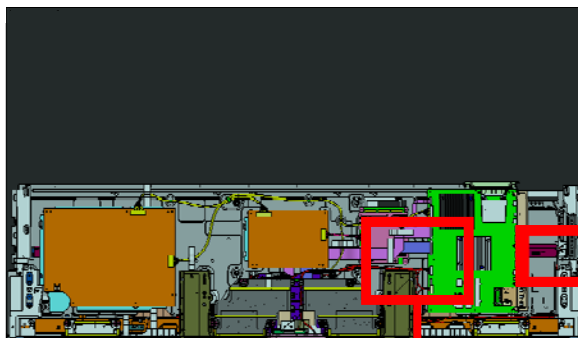


### Tape-Harness information



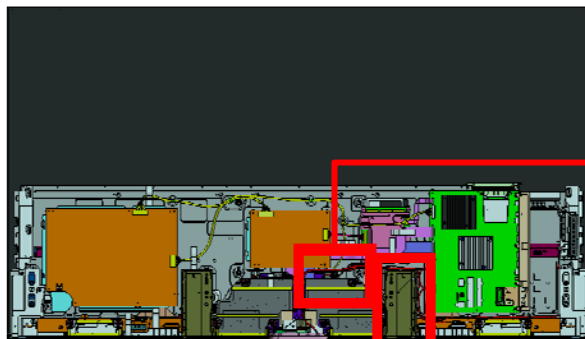
## 1-2. KD-65X9\*C

## 1-2-10. Wire Dressing

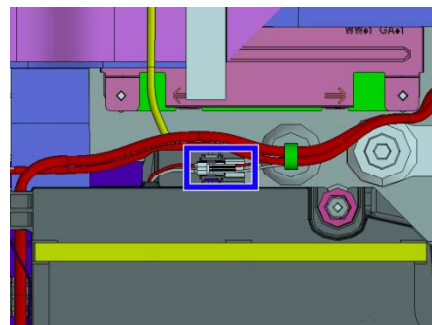


## 1-2. KD-65X9\*C

## 1-2-11. PULLEY, STAND (CRN) AND UNDER COVER IN L (2L CRN)



1

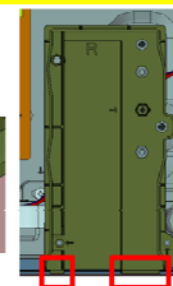
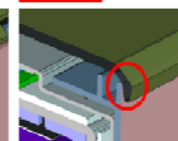


Ensure UNDER COVER IN L/R  
is installed to slit of panel.

OK

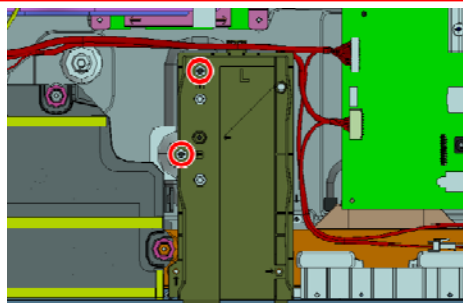


NG

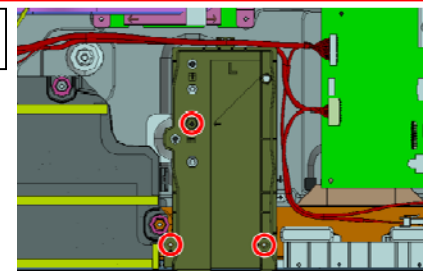


L/R symmetry

2

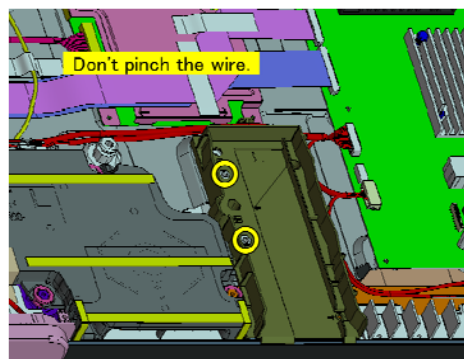


3

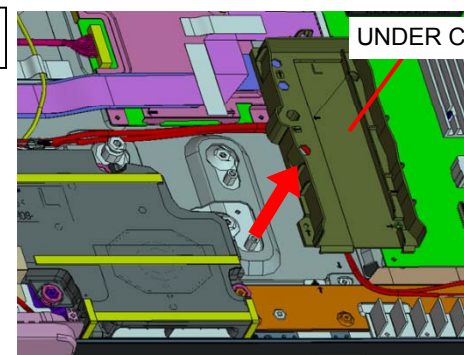


3 screws (SCREW (+PSW) (M3X6) P/N: 2-990-421-41

4

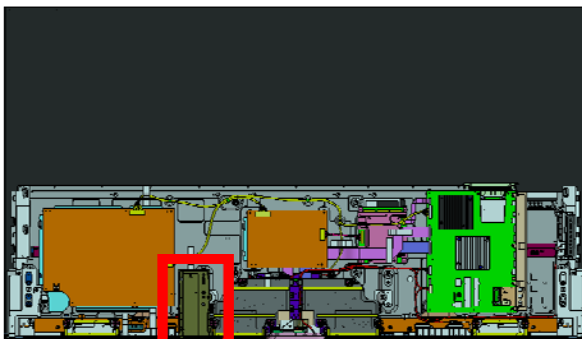


5

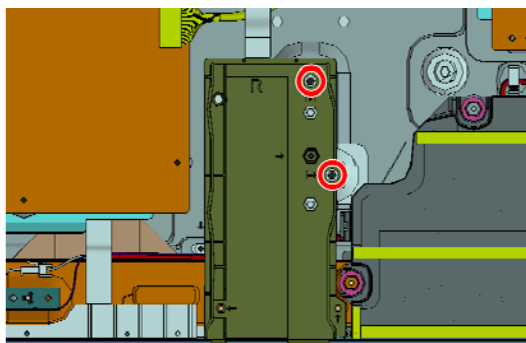


## 1-2. KD-65X9\*C

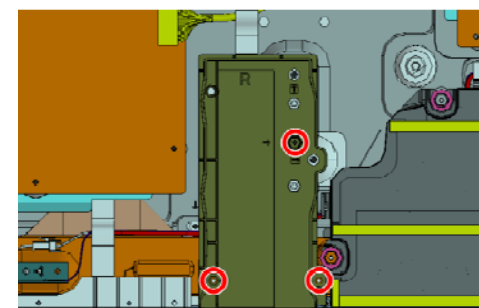
## 1-2-12. PULLEY, STAND (CRN) AND UNDER COVER IN R (2L CRN)



2

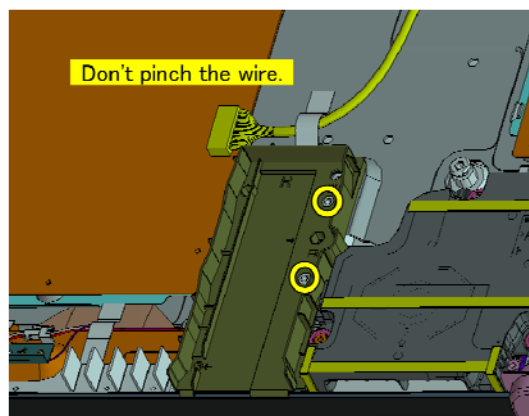


3

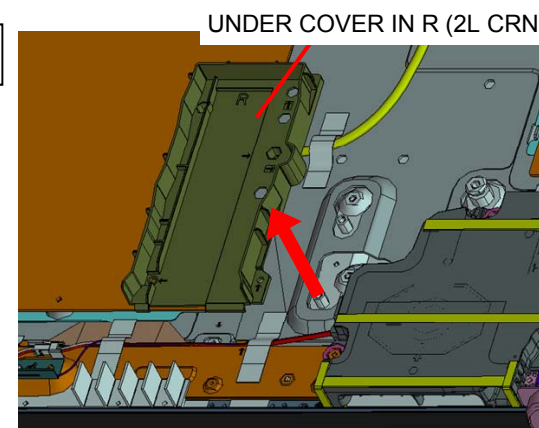


3 screws (SCREW (+PSW) (M3X6)) P/N: 2-990-421-41

4



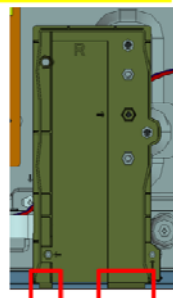
5



Ensure UNDER COVER IN L/R  
is installed to slit of panel.

OK

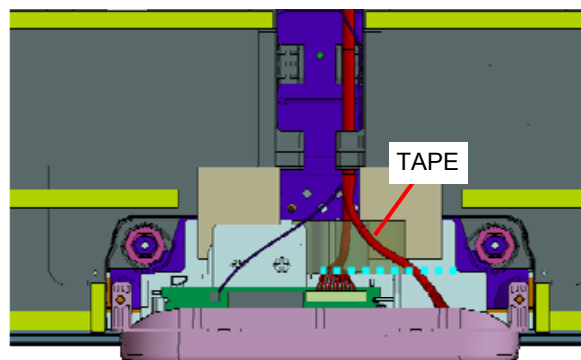
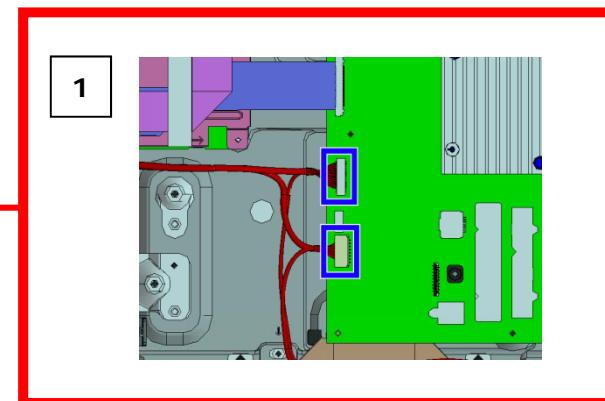
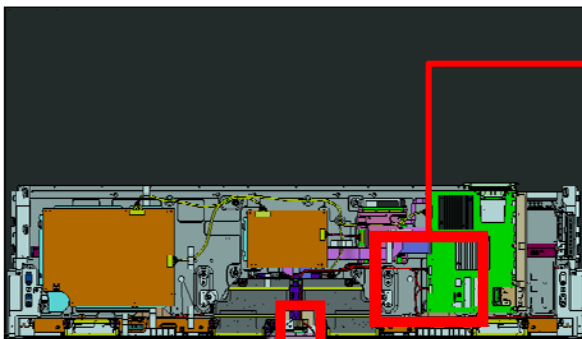
NG



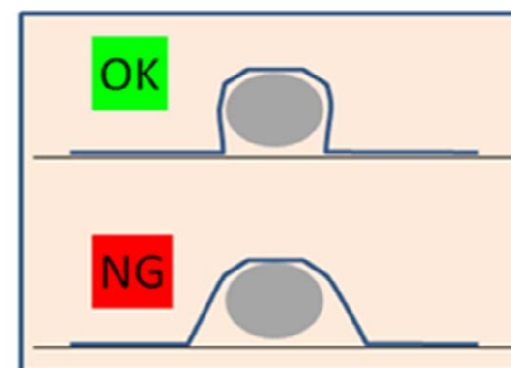
L/R symmetry

## 1-2. KD-65X9\*C

## 1-2-13. SMART CORE

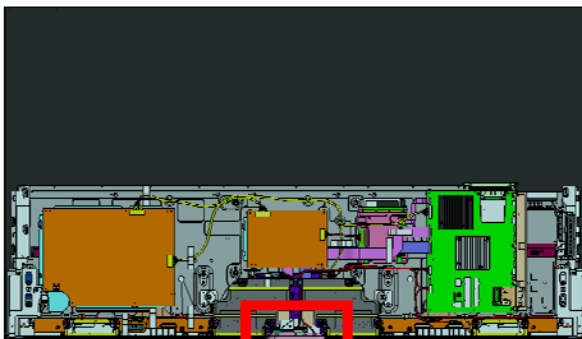


Make tape "Ω" shape.

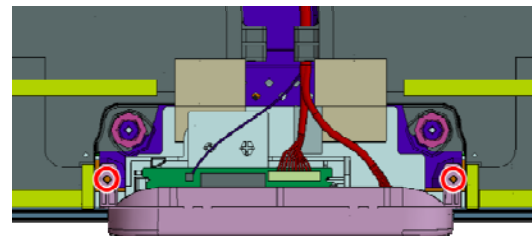


## 1-2. KD-65X9\*C

## 1-2-14. SMART CORE

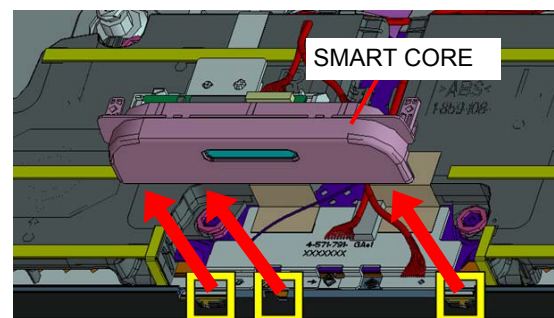


2

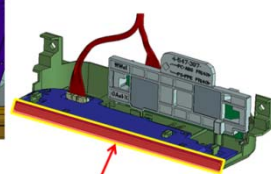


2 screws (SCREW (+PSW) (M3X6)) P/N: 2-990-421-41

3

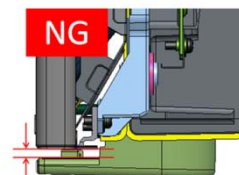
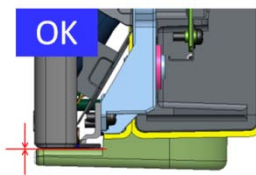
**Notes on assembling the Smart core**

Don't scratch O/P with Bezel while installing.

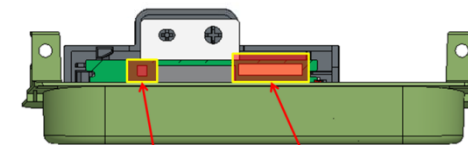


Ornament Panel

No gap between Smart Core and AL Bezel.



Don't touch these components while installing.



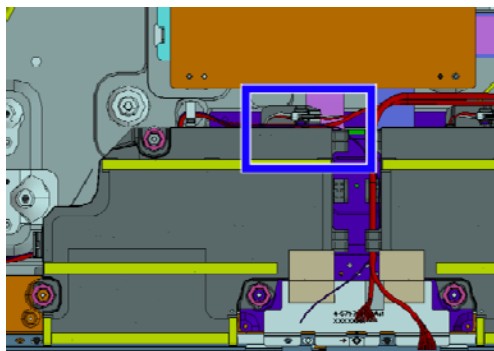
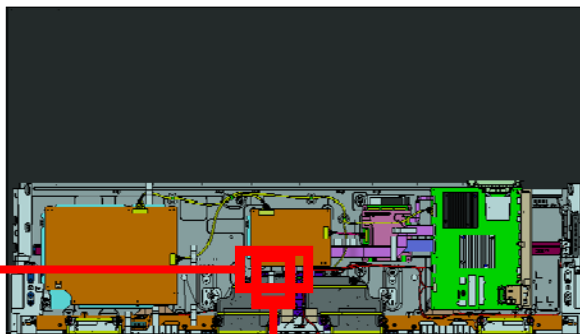
Antenna Terminal

Connector

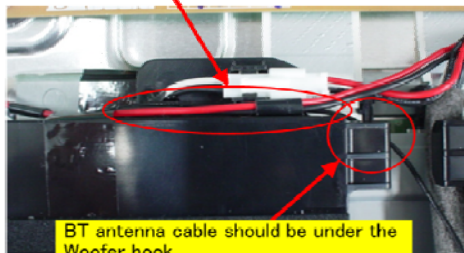


## 1-2. KD-65X9\*C

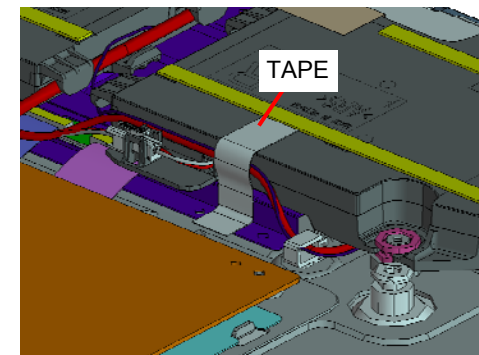
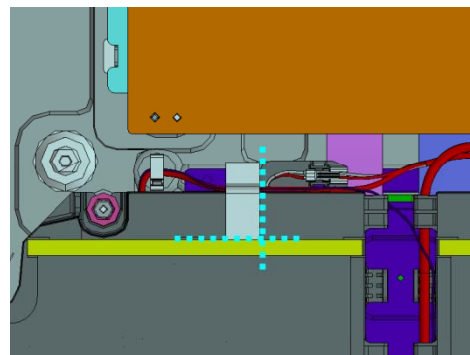
### 1-2-15. TAPE AND Wire Dressing



SP-R harness and BT antenna cable  
between connector and Woofer BOX



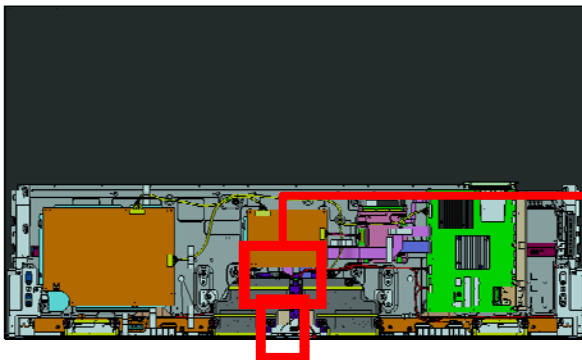
BT antenna cable should be under the  
Woofer hook,  
in order to avoid pinching wire.



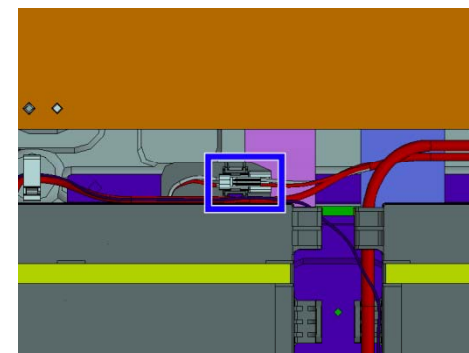
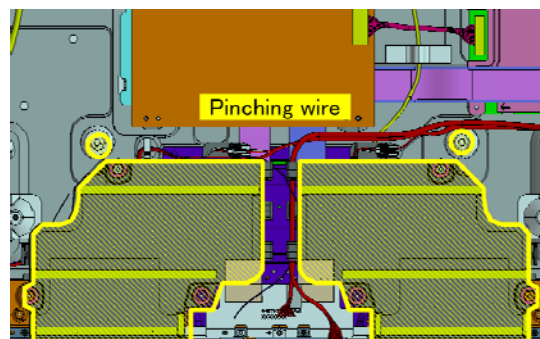


## 1-2. KD-65X9\*C

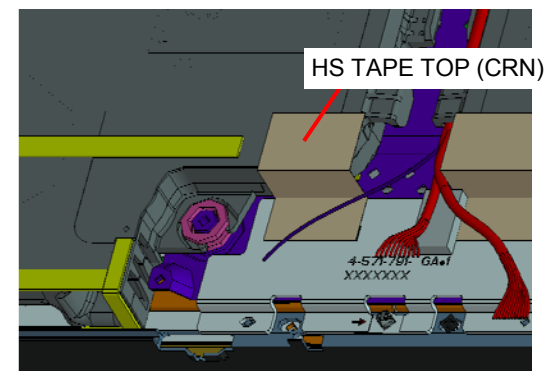
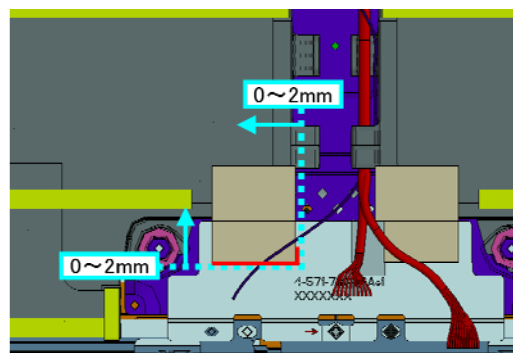
## 1-2-16. HS TAPE TOP (CRN)



1



2

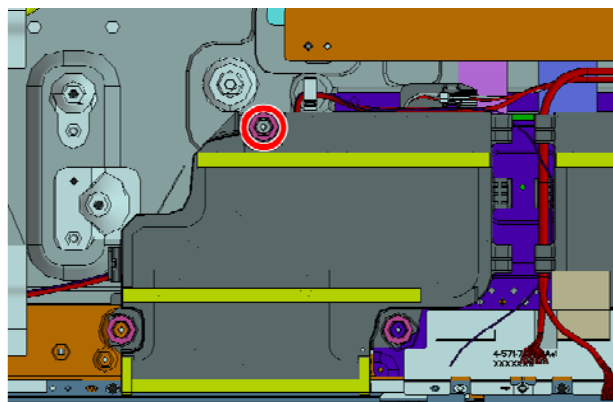


## 1-2. KD-65X9\*C

## 1-2-17. SP-BOX ASSY(D20-WF RCH CH-ND)

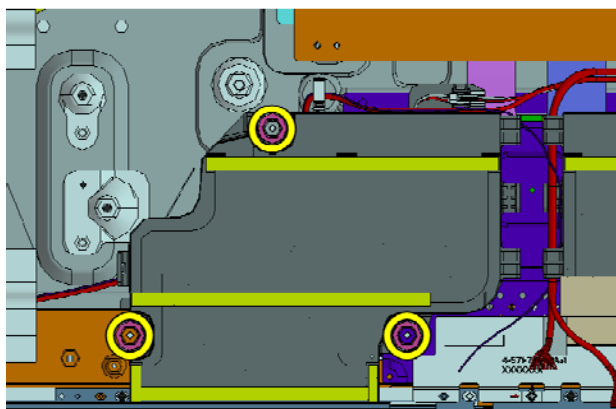


1



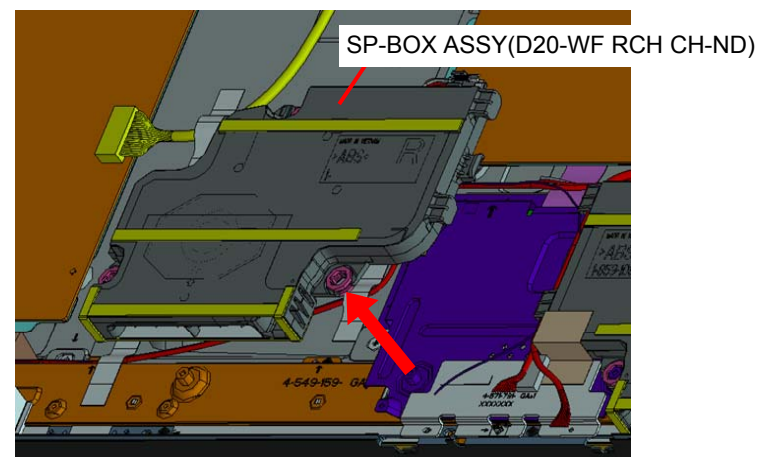
screw (SCREW, +PSW M3X6 W12) P/N: 4-256-393-01

2



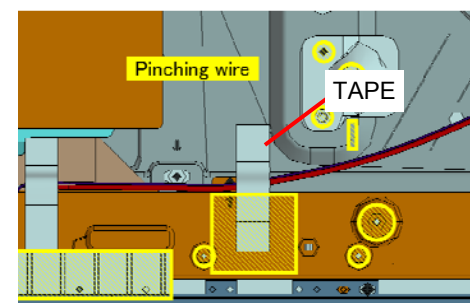
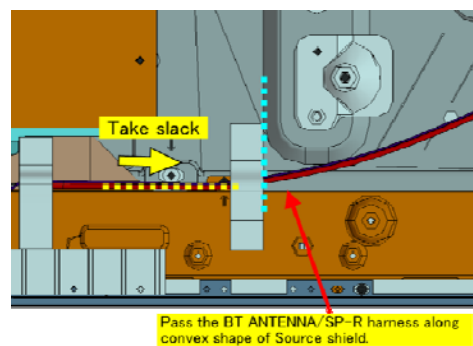
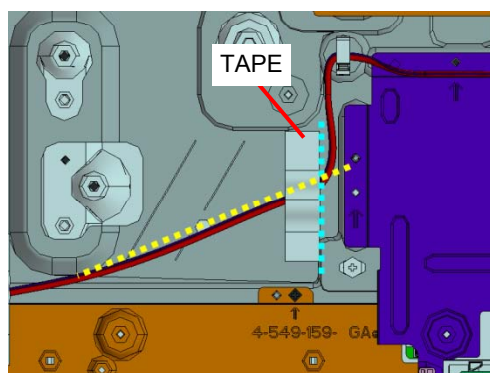
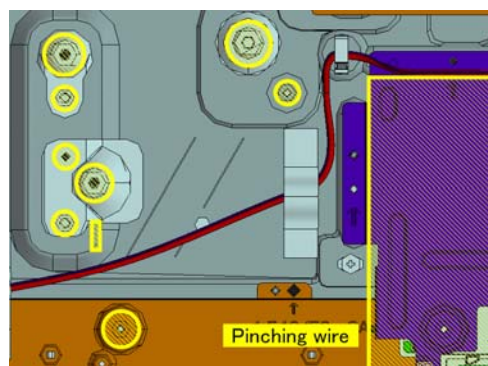
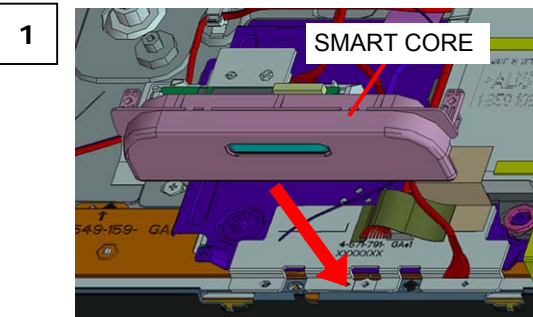
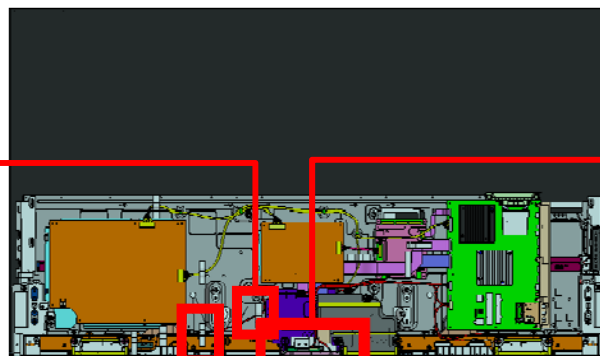
Don't pinch the wire.

3

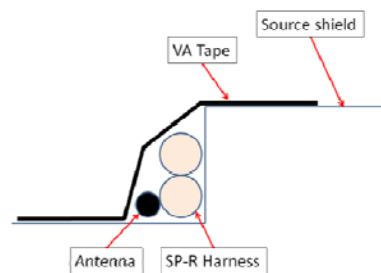


## 1-2. KD-65X9\*C

## 1-2-18. SMART CORE AND TAPE

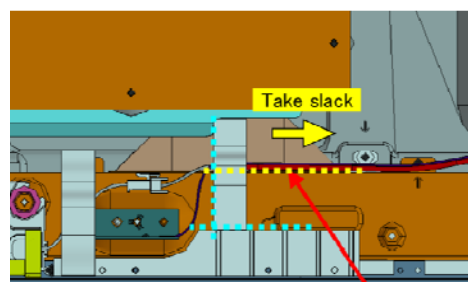
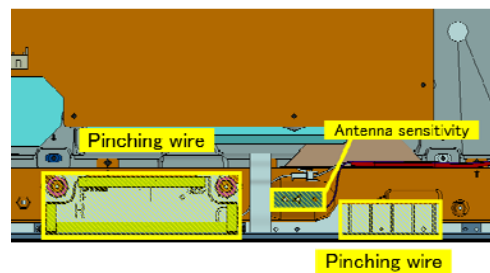
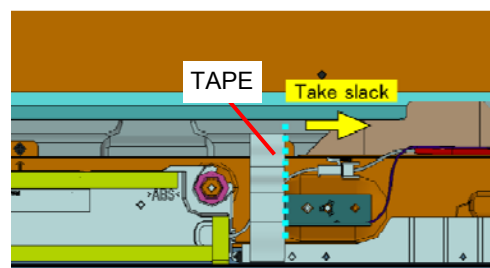
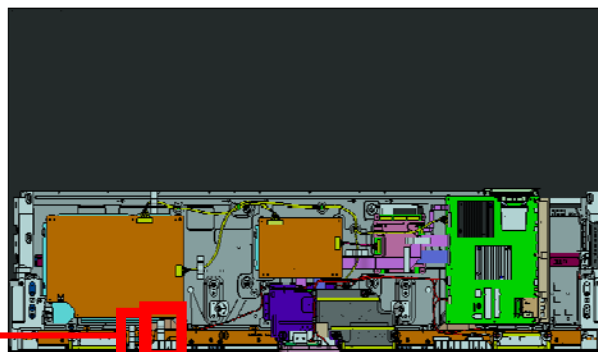


## Tape-Harness information

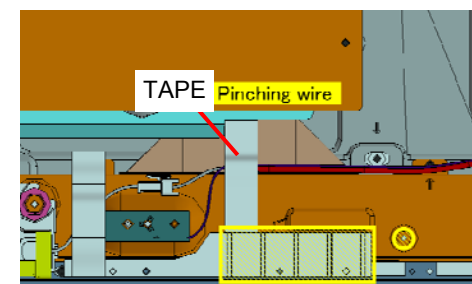


## 1-2. KD-65X9\*C

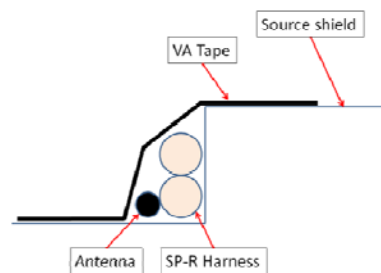
## 1-2-19. TAPE



Pass the BT ANTENNA/SP-R harness along convex shape of Source shield.

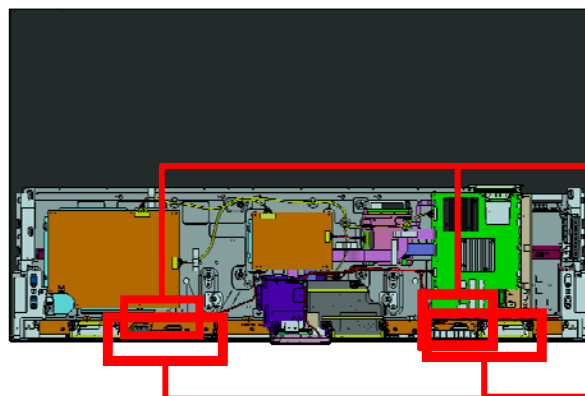


## Tape-Harness information

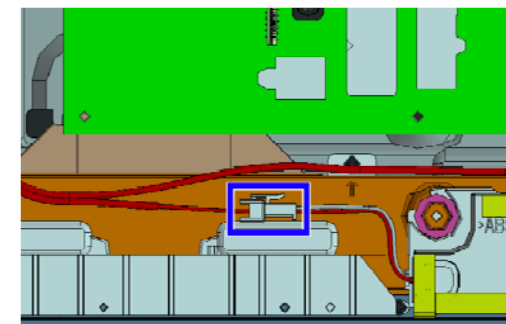
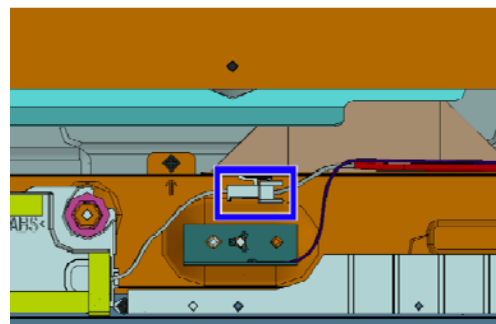


## 1-2. KD-65X9\*C

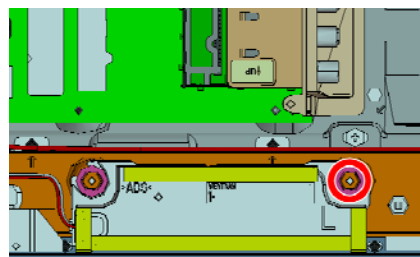
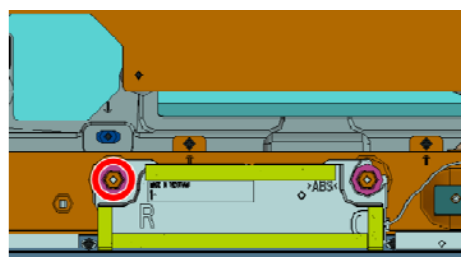
## 1-2-20. SP-BOX ASSY(W20-SQ LCH CH-ND) AND SP-BOX ASSY(W20-SQ RCH CH-ND)



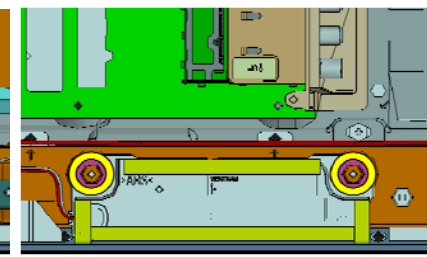
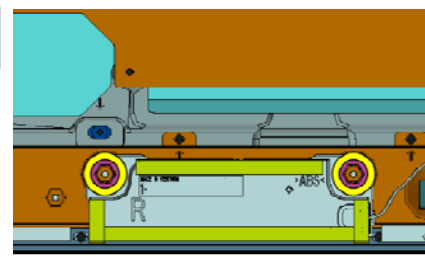
1



2

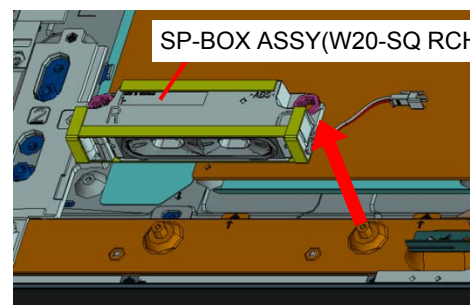


3

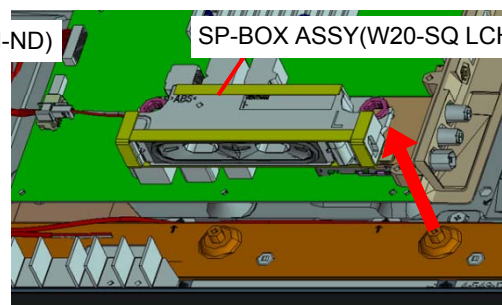


2 Screws (SCREW, +PSW M3X6 W12) P/N: 4-256-393-01

4



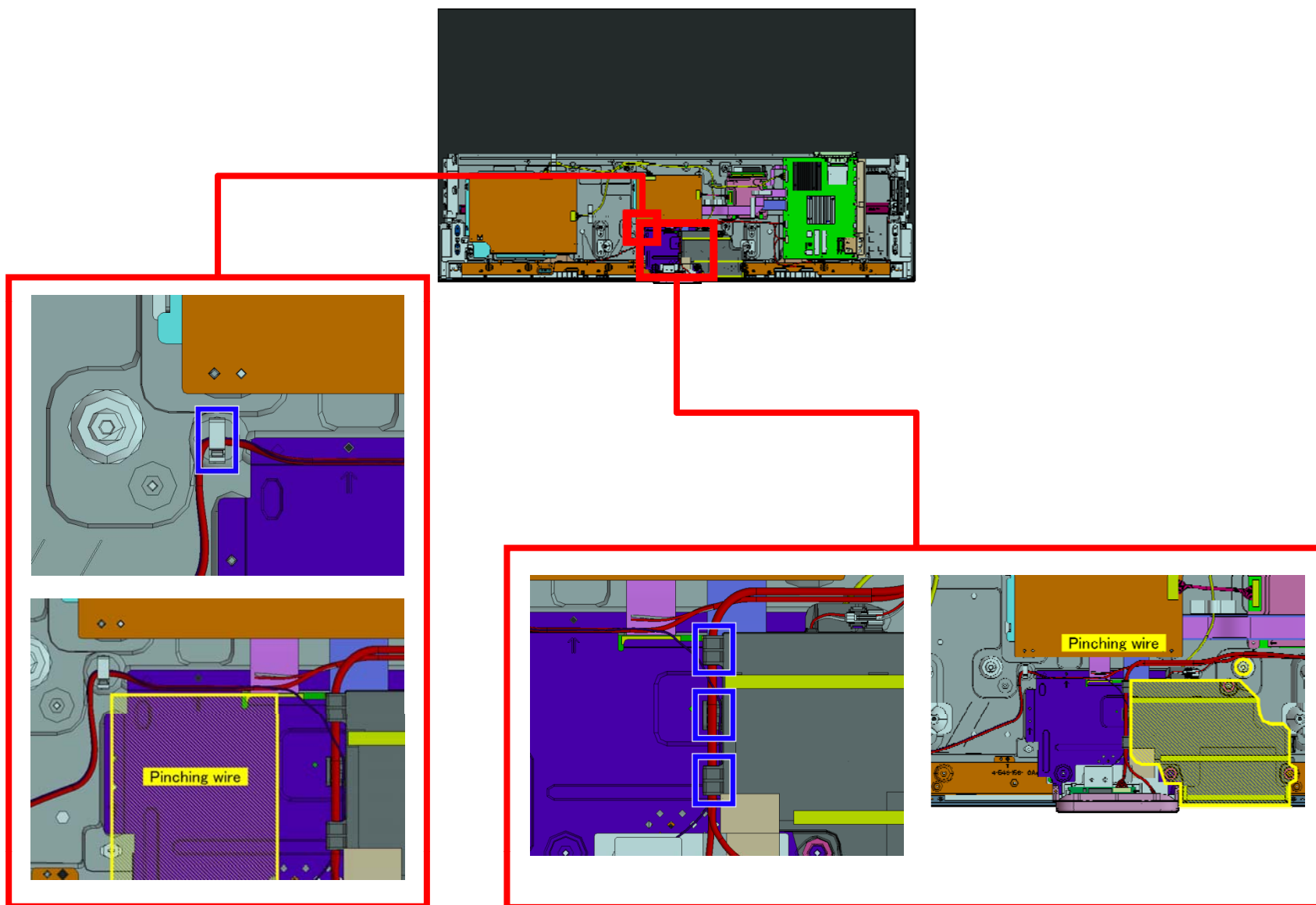
SP-BOX ASSY(W20-SQ RCH CH-ND)



SP-BOX ASSY(W20-SQ LCH CH-ND)

## 1-2. KD-65X9\*C

## 1-2-21. Wire Dressing

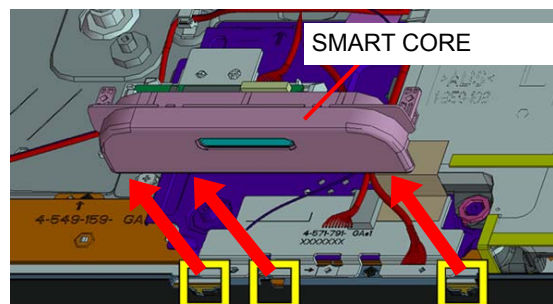


## 1-2. KD-65X9\*C

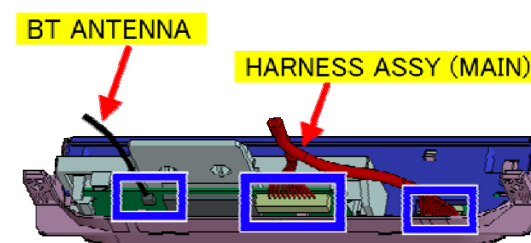
## 1-2-22. SMART CORE



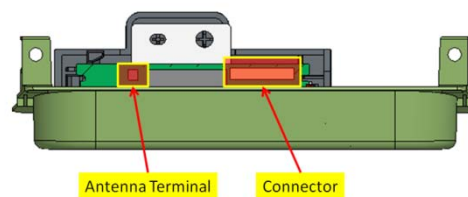
1



2

**Notes on assembling the Smart core**

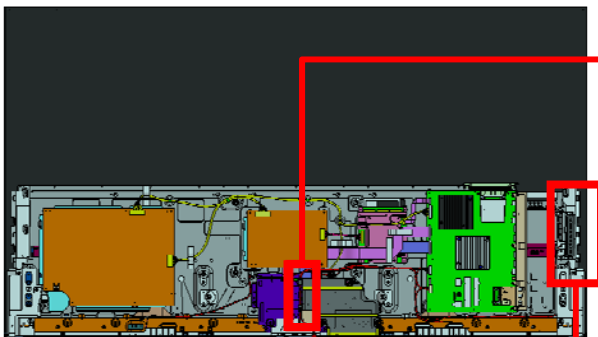
Don't touch these components while installing.



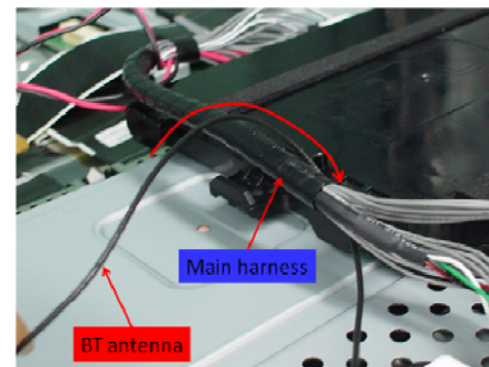


## 1-2. KD-65X9\*C

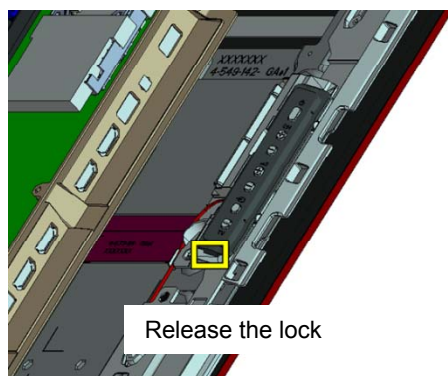
## 1-2-23. SWITCH UNIT (VM-WW) AND Wire Dressing



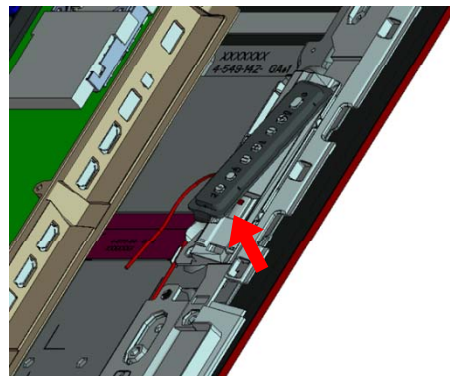
Roll BT antenna to Main harness.



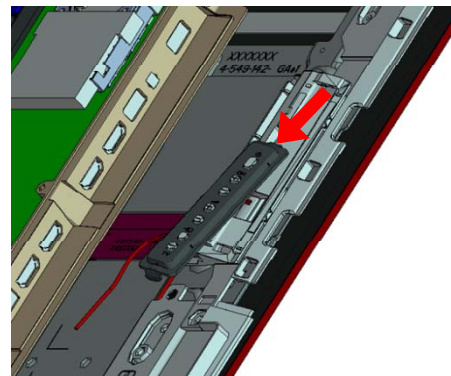
1



2

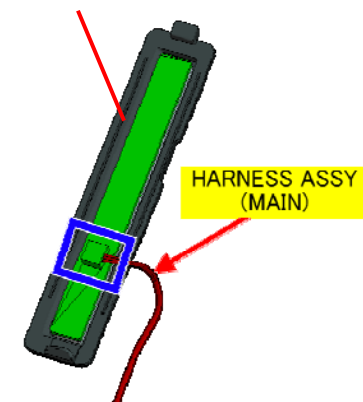


3



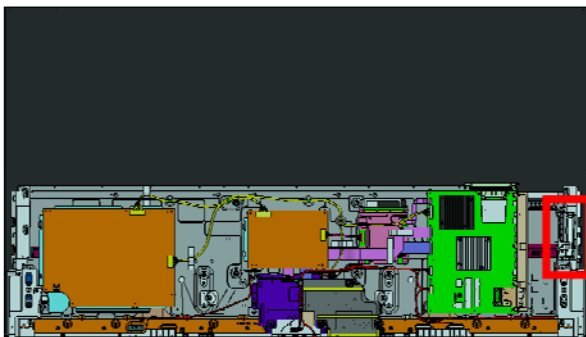
4

SWITCH UNIT (VM-WW)

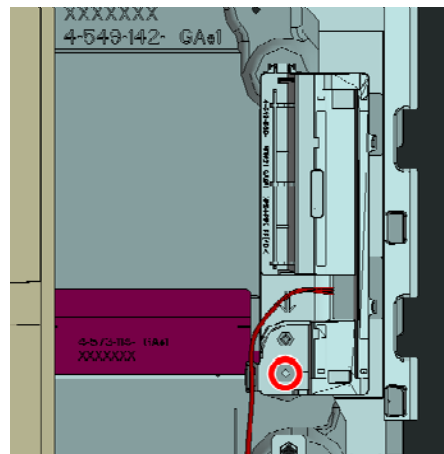


## 1-2. KD-65X9\*C

## 1-2-24. HOLDER, SIDE SW (CRN)

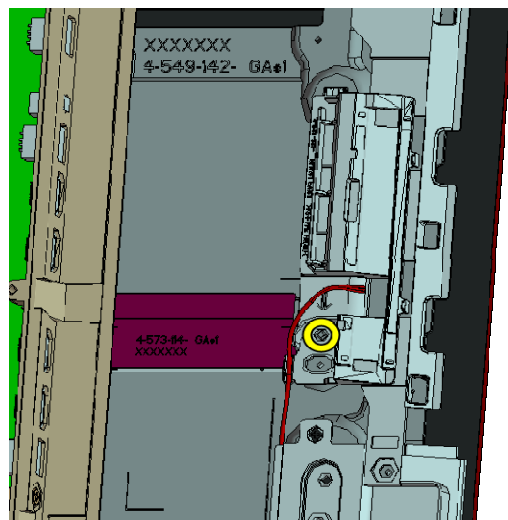


1

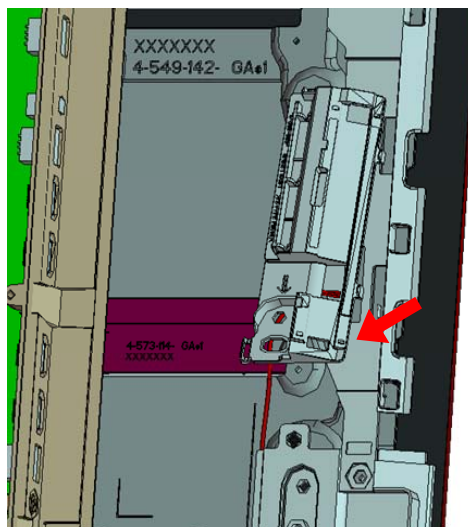


Screw (SCREW , +PWH M3X6) P/N: 4-452-935-01

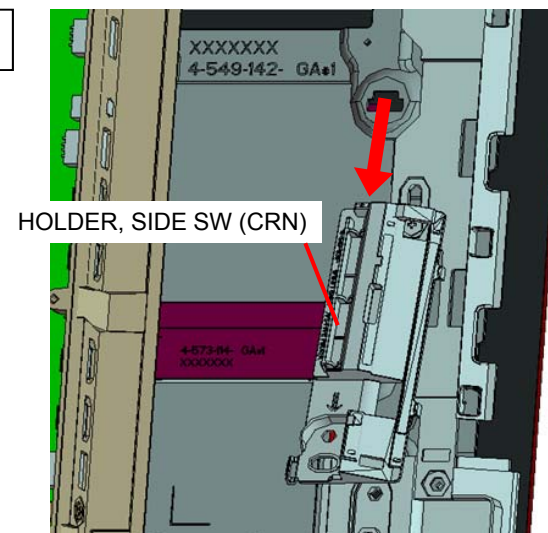
2



3



4

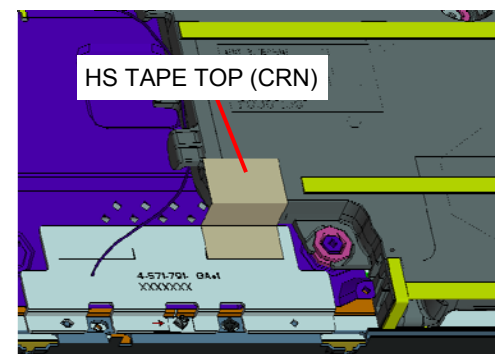
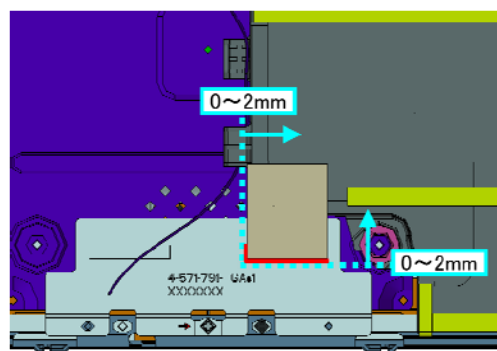
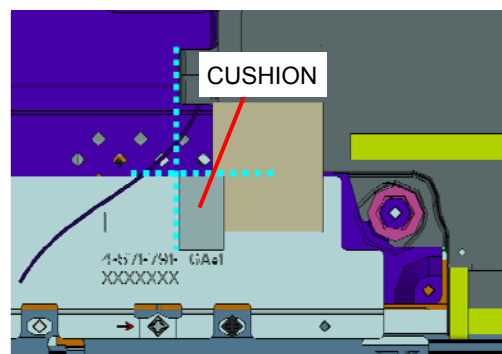


## 1-2. KD-65X9\*C

## 1-2-25. HARNESS ASSY (MAIN) AND CUSHION HS TAPE TOP (CRN)

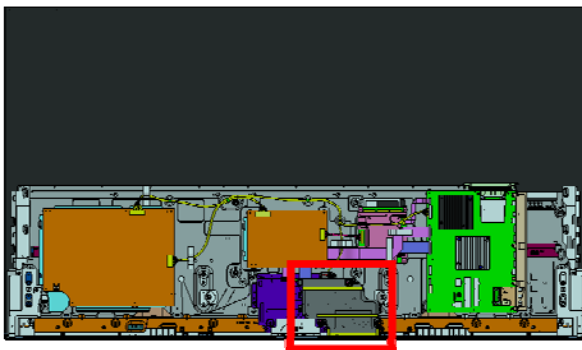


HARNESS ASSY (MAIN)  
P/N: 1-910-110-75

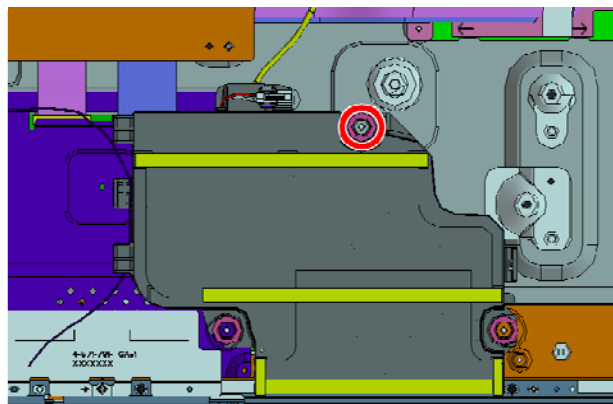


## 1-2. KD-65X9\*C

## 1-2-26. SP-BOX ASSY(D20-WF LCH CH-ND)

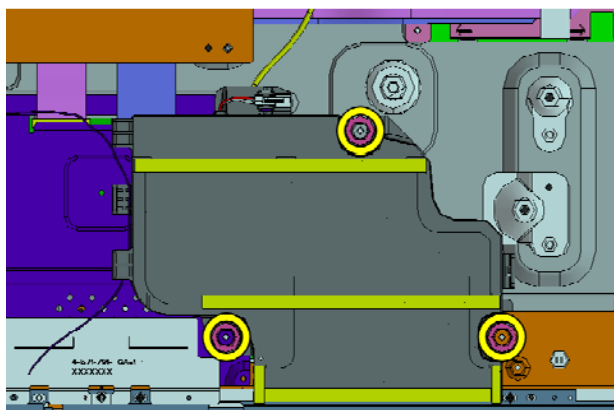


1



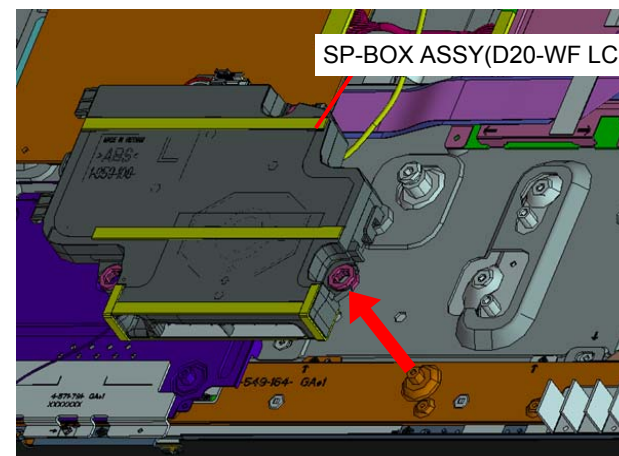
screw (SCREW, +PSW M3X6 W12) P/N: 4-256-393-01

2



Don't pinch the wire.

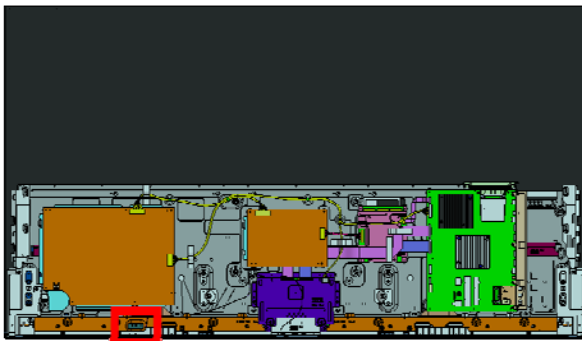
3



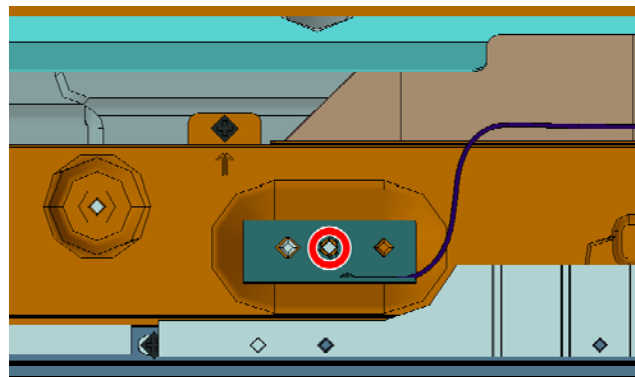
SP-BOX ASSY(D20-WF LCH CH-ND)

## 1-2. KD-65X9\*C

## 1-2-27. BT ANTENNA

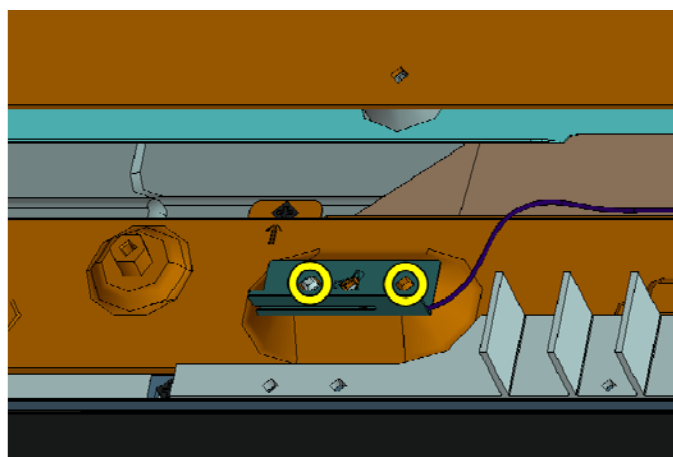


1

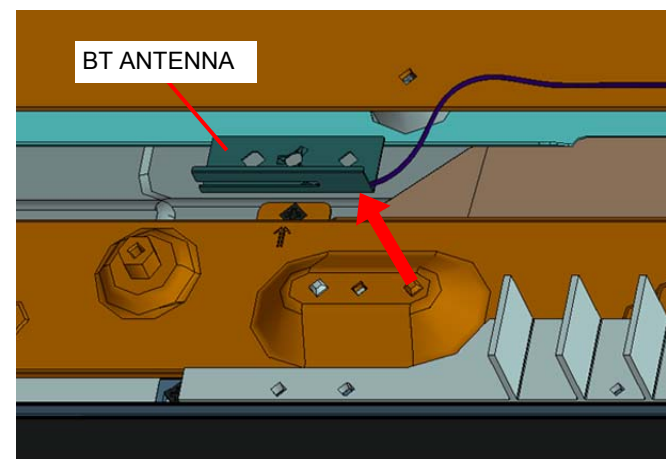


screw (SCREW (+PSW) (M3X6)) P/N: 2-990-421-41

2

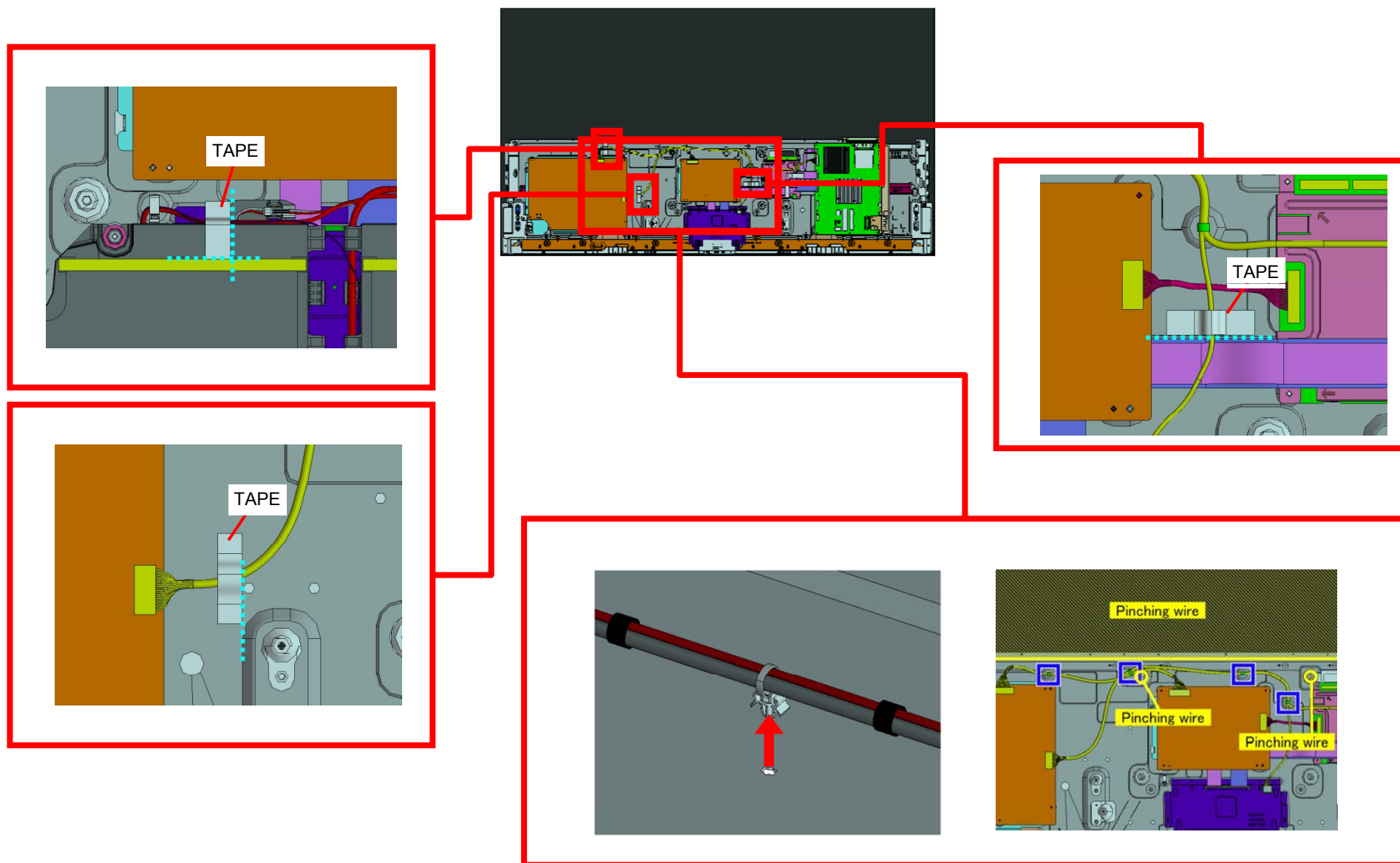


3



## 1-2. KD-65X9\*C

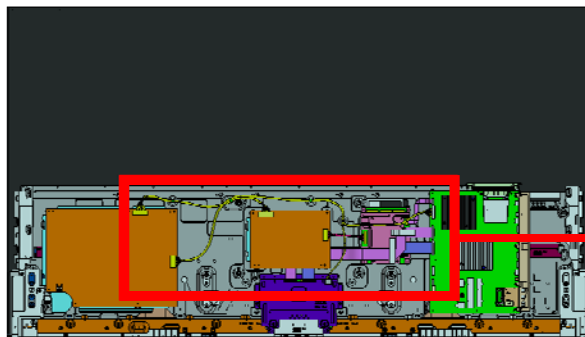
## 1-2-28. TAPE AND Wire Dressing



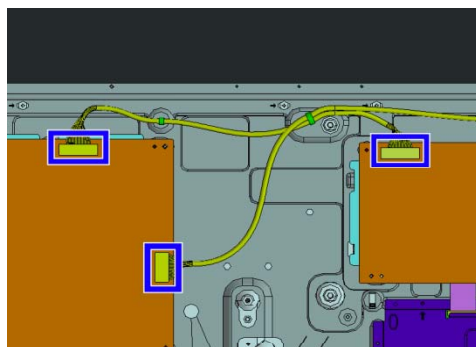
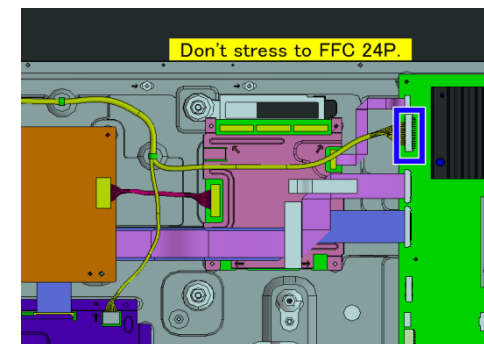
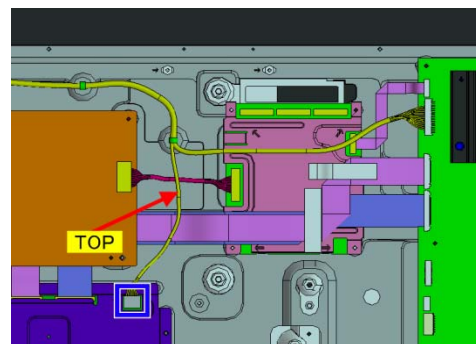
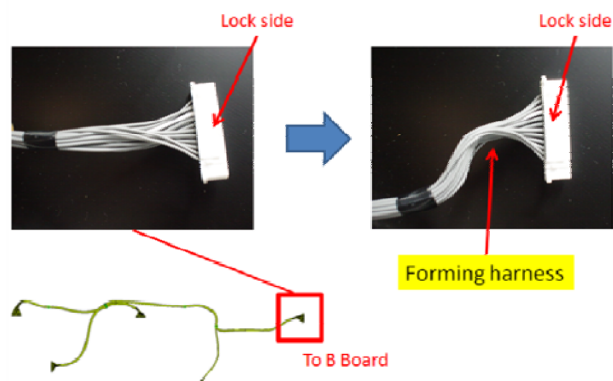


## 1-2. KD-65X9\*C

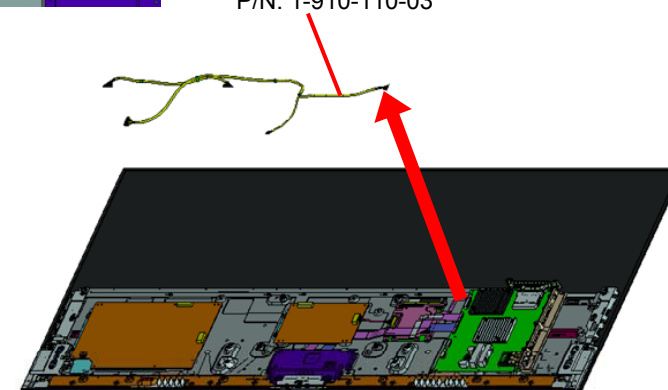
## 1-2-29. HARNESS ASSY



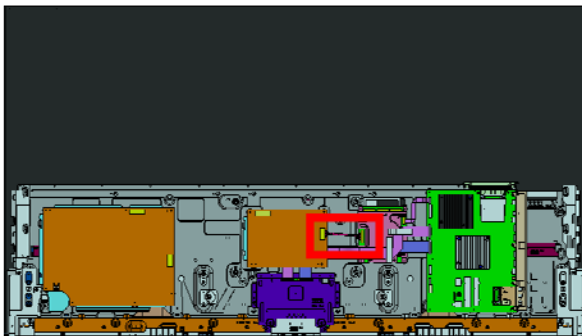
Pre-forming before connecting.



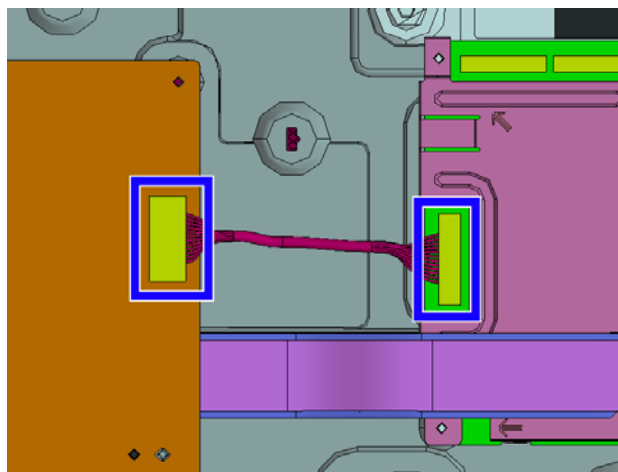
HARNESS ASSY  
P/N: 1-910-110-03





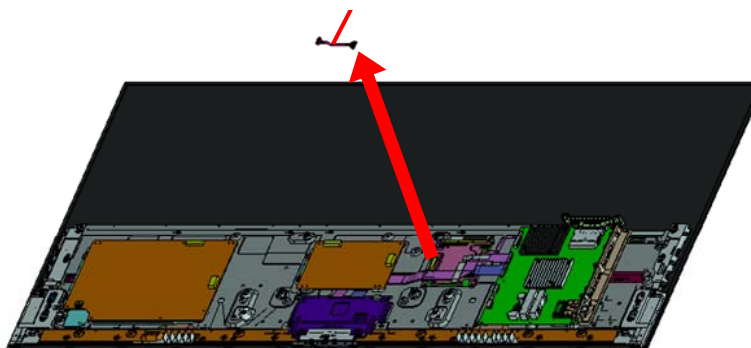
**1-2. KD-65X9\*C****1-2-30. CONNECTOR ASSY 14P**

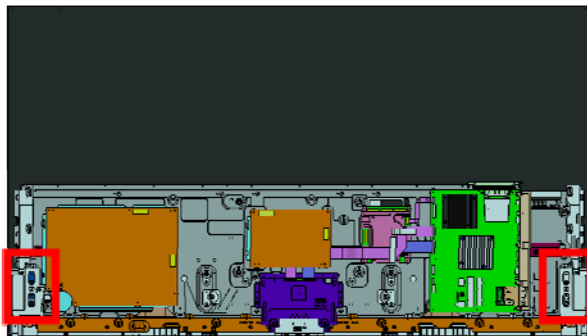
1



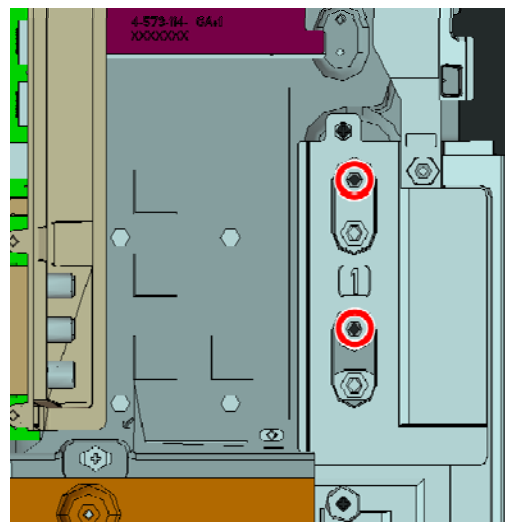
2

CONNECTOR ASSY 14P  
P/N: 1-910-110-01

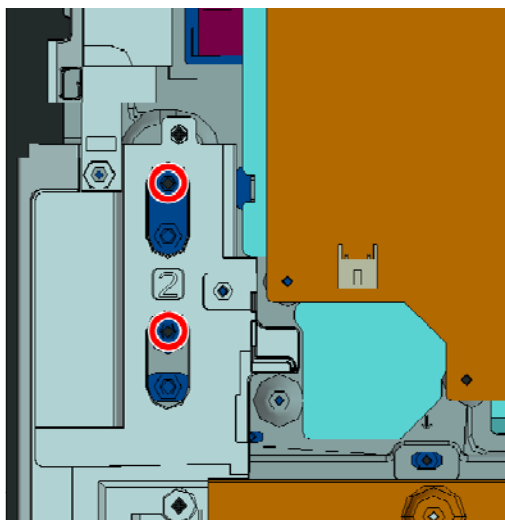


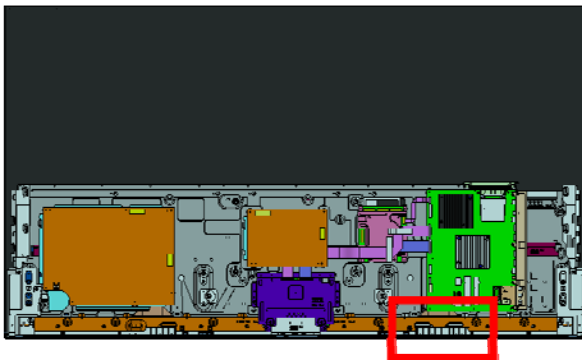
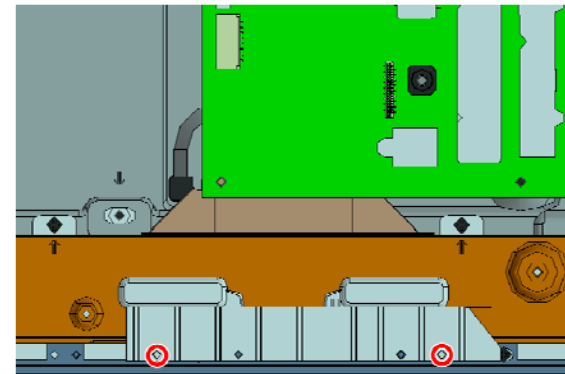
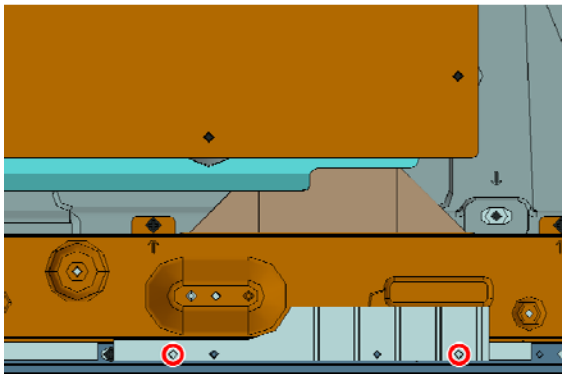
**1-2. KD-65X9\*C****1-2-31. PULLEY, STAND (CRN) OUT**

1

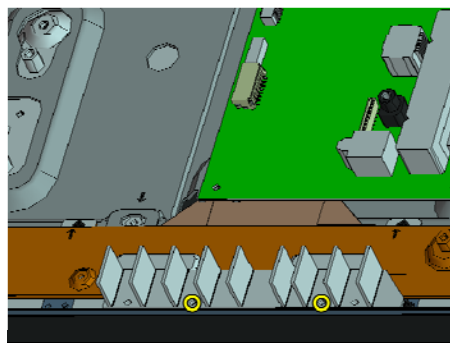
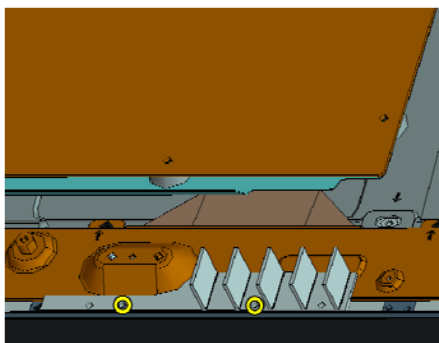
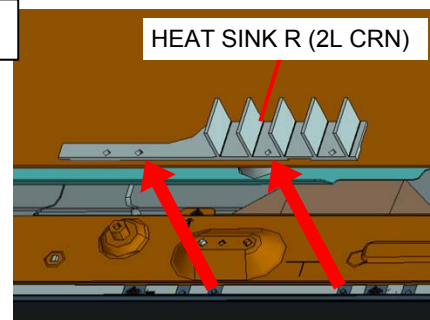


2

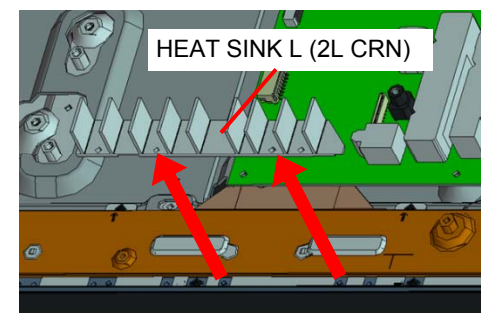


**1-2. KD-65X9\*C****1-2-32. HEAT SINK L (2L CRN) AND HEAT SINK R (2L CRN)****1**

4 screws (SCREW (+PSW) (M3X6)) P/N: 2-990-421-41

**2****3**

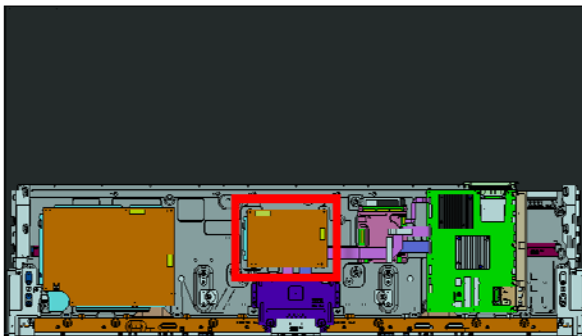
HEAT SINK R (2L CRN)



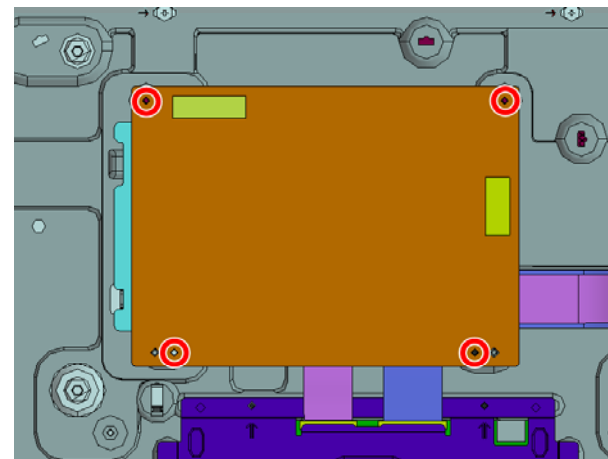
HEAT SINK L (2L CRN)

## 1-2. KD-65X9\*C

## 1-2-33. G1B

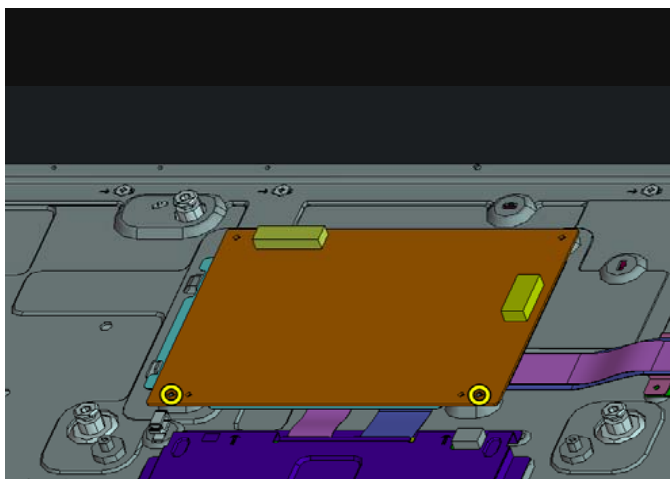


1

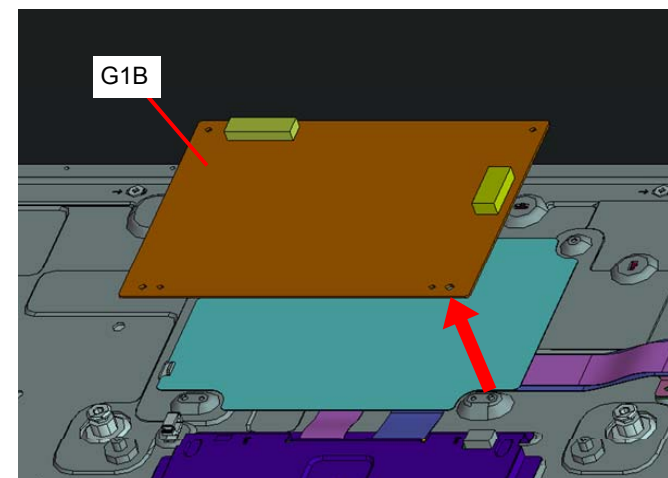


4 screws (SCREW, +PSW M3X6 W12) P/N: 4-256-393-11

2



3



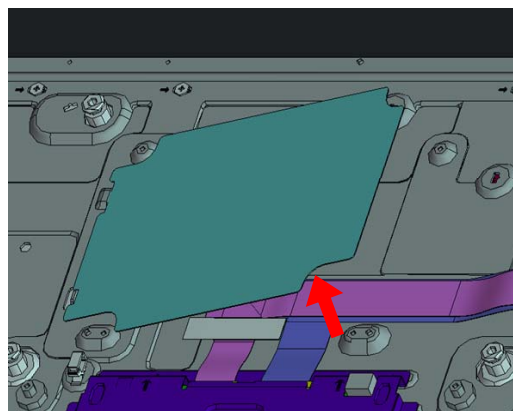
## 1-2. KD-65X9\*C

### 1-2-34. SHEET, INSULATION(CRN 2L LED)

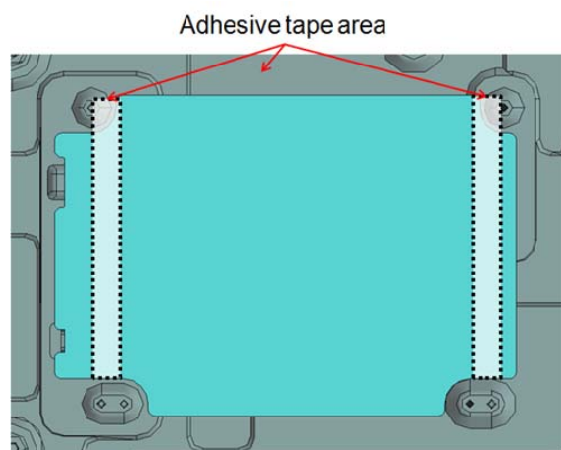
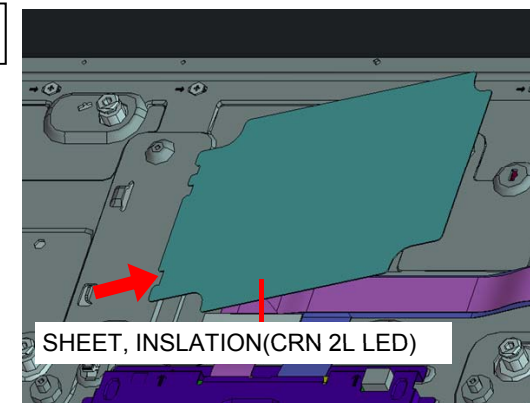
(An insulation sheet is under the G1B power supply board.)



1

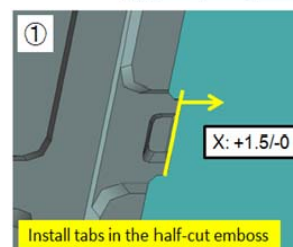
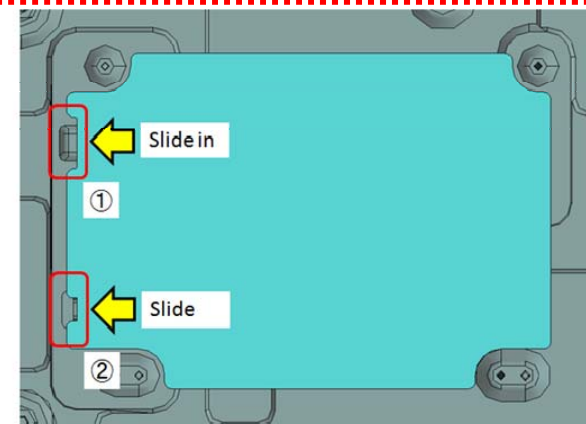


2

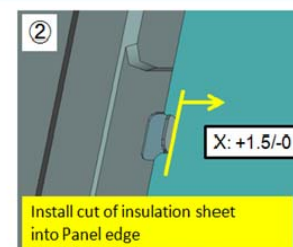


#### Caution

- When handling,  
 • Be sure not to touch adhesive tape area.
- After installing,  
 • Be sure to push all of adhesive tape area to avoid peel off of "Sheet, Insulation".



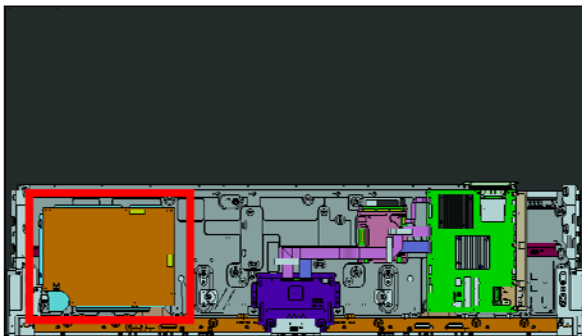
Install tabs in the half-cut emboss



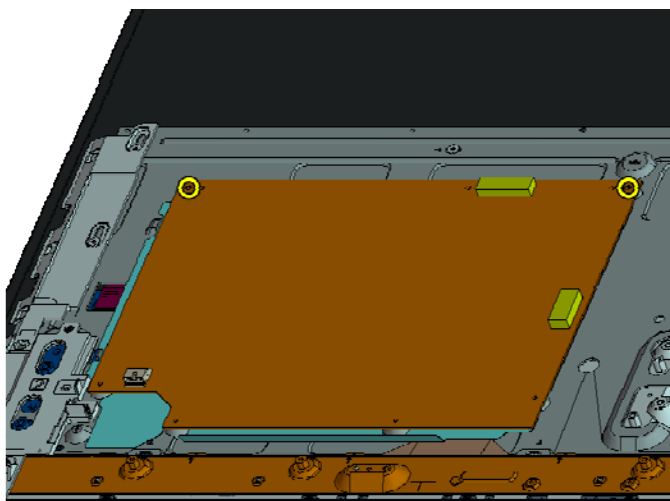
Install cut of insulation sheet into Panel edge

## 1-2. KD-65X9\*C

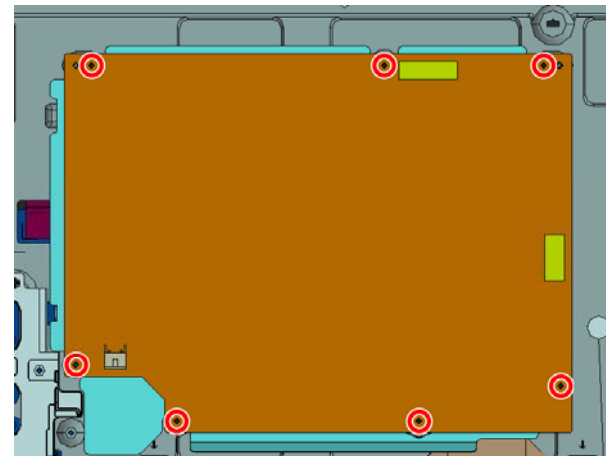
## 1-2-35. G1D



2

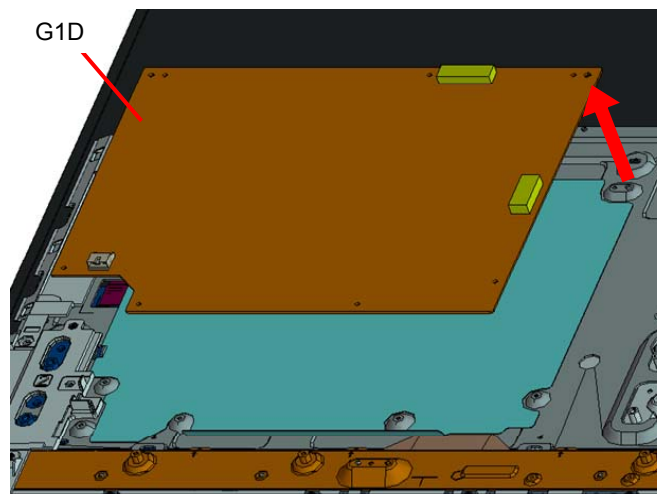


1



7 screws (SCREW, +PSW M3X6 W12) P/N: 4-256-393-11

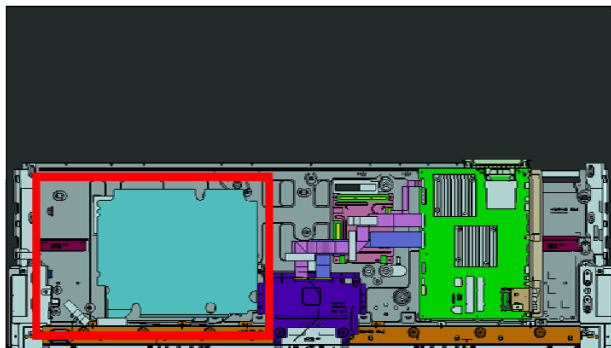
3



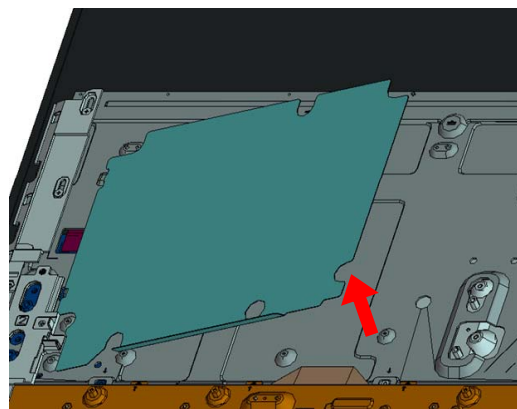
## 1-2. KD-65X9\*C

### 1-2-36. SHEET, INSLATION(CRN MAIN)

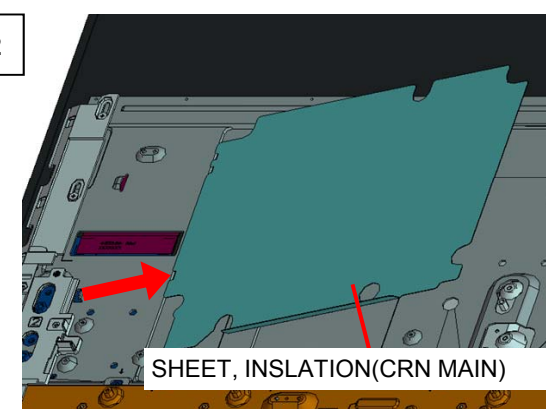
(An insulation sheet is under the G1D power supply board.)



1

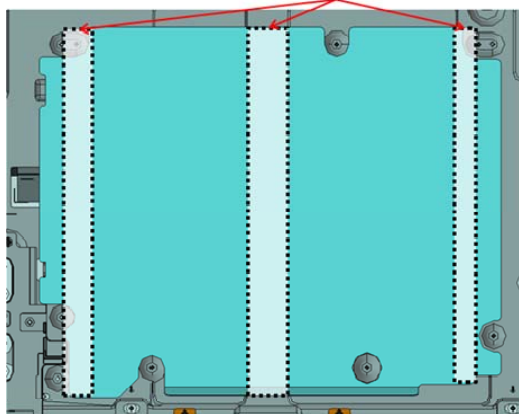


2



SHEET, INSLATION(CRN MAIN)

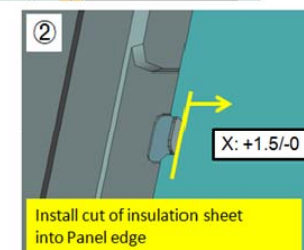
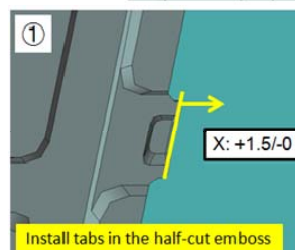
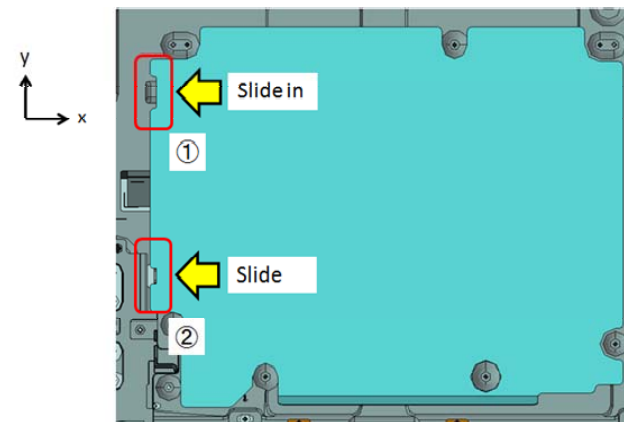
Adhesive tape area



#### Caution

When handling,  
• Be sure not to touch adhesive tape area.

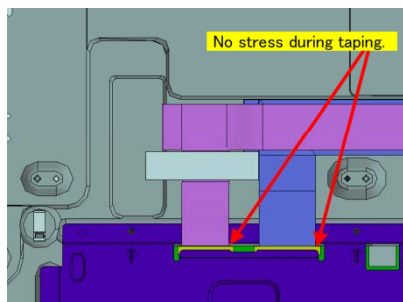
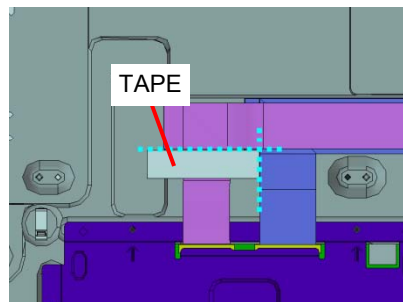
After installing,  
• Be sure to push all of adhesive tape area to avoid peel off of "Sheet, Insulation".





## 1-2. KD-65X9\*C

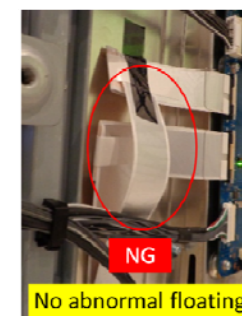
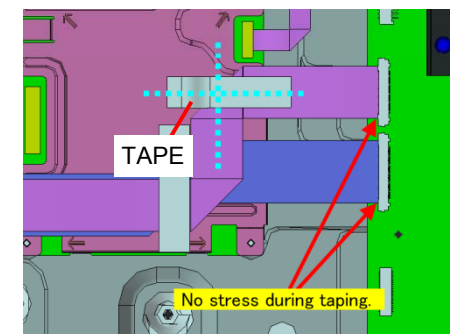
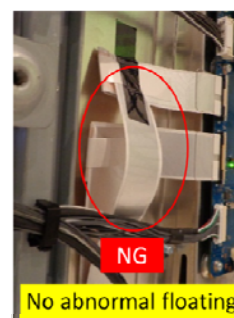
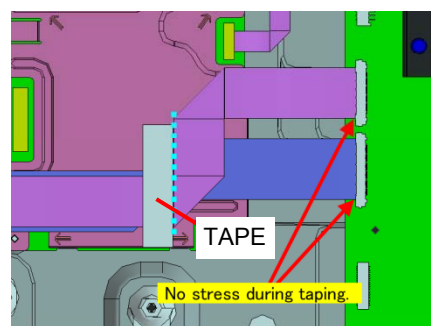
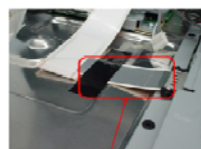
## 1-2-37. TAPE



No stress to FFC connector.

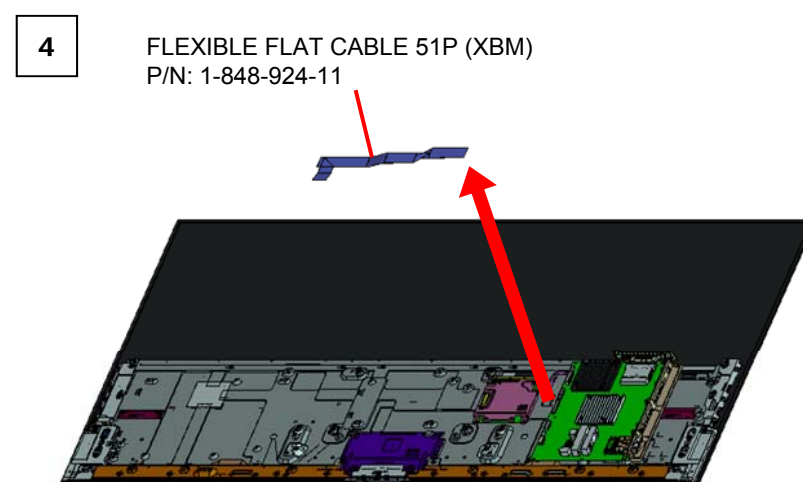
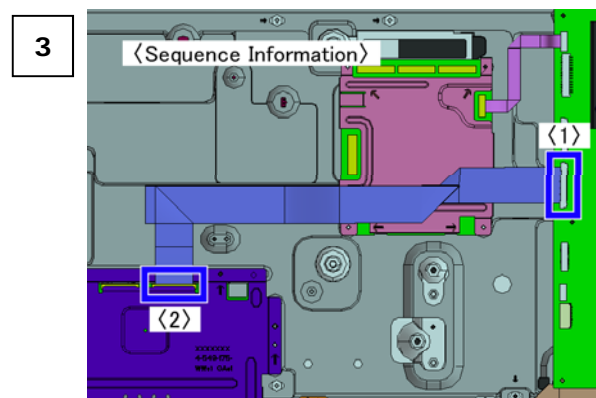
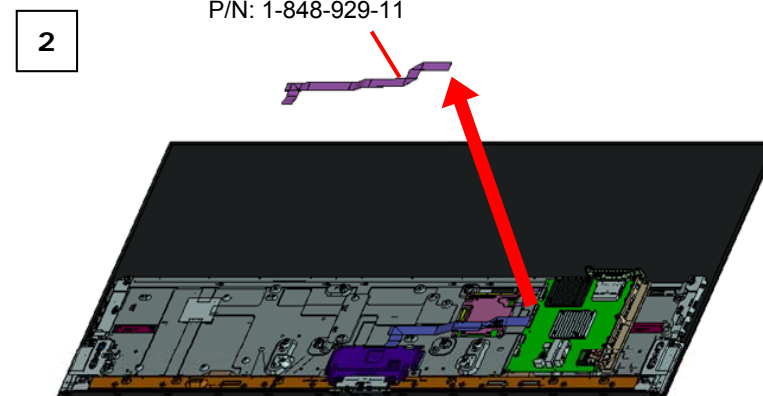
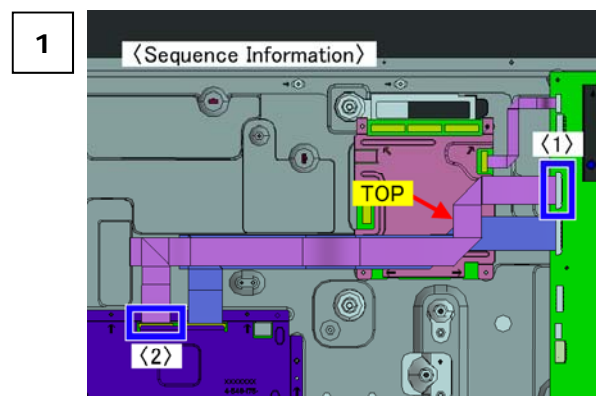
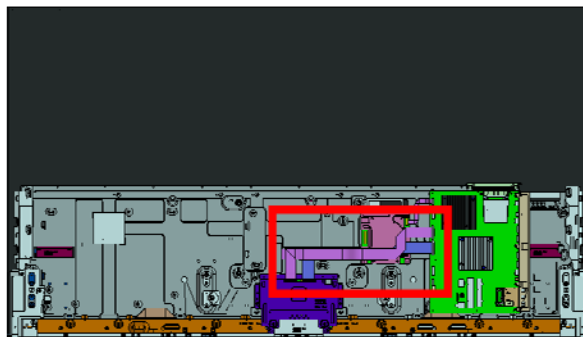
OK

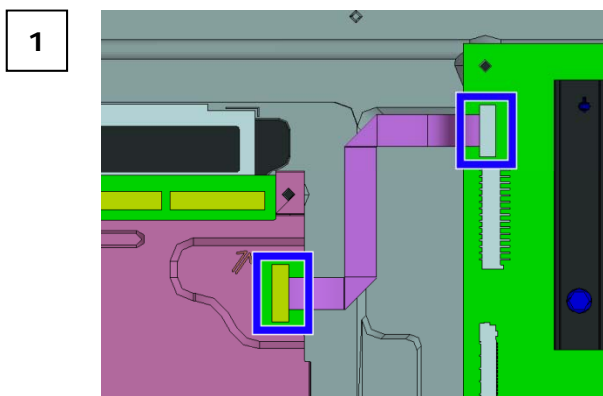
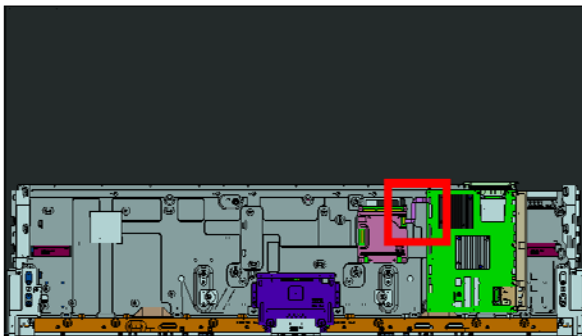
NG



## 1-2. KD-65X9\*C

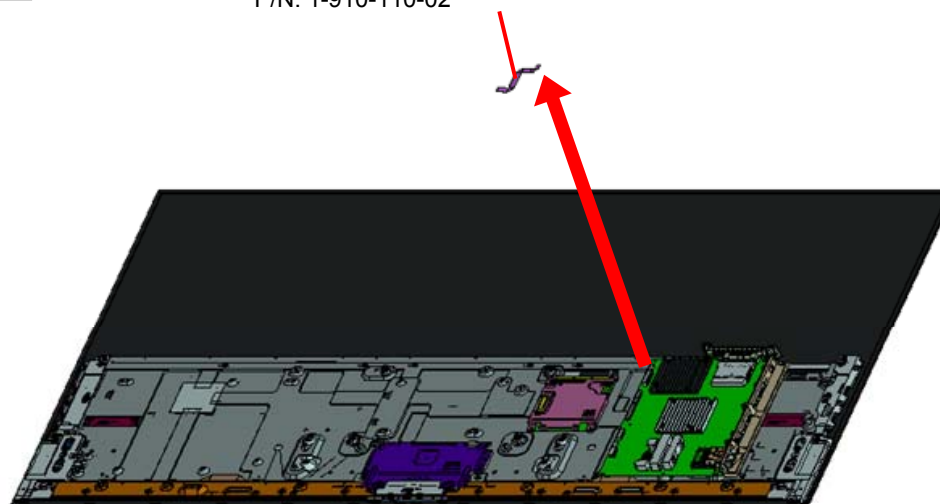
## 1-2-38. FLEXIBLE FLAT CABLE 41P (XBM) AND FLEXIBLE FLAT CABLE 51P (XBM)



**1-2. KD-65X9\*C****1-2-39. FLEXIBLE FLAT CABLE 24P**

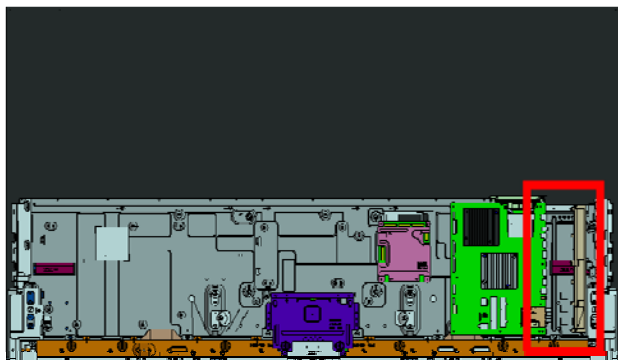
2

FLEXIBLE FLAT CABLE 24P  
P/N: 1-910-110-02

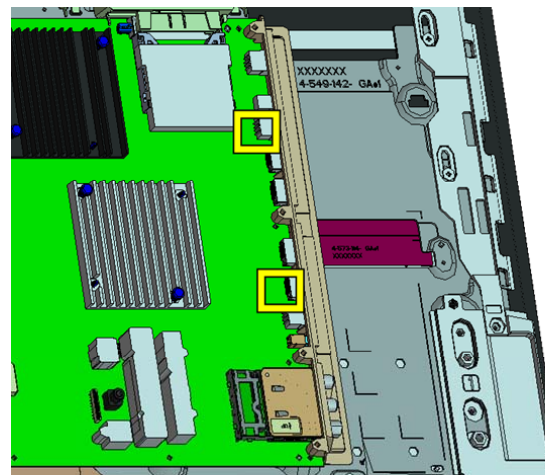


## 1-2. KD-65X9\*C

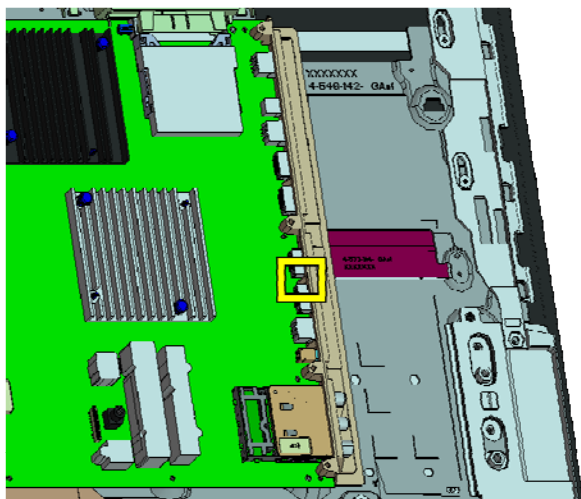
### 1-2-40. BRACKET, SIDE F (MOLD)



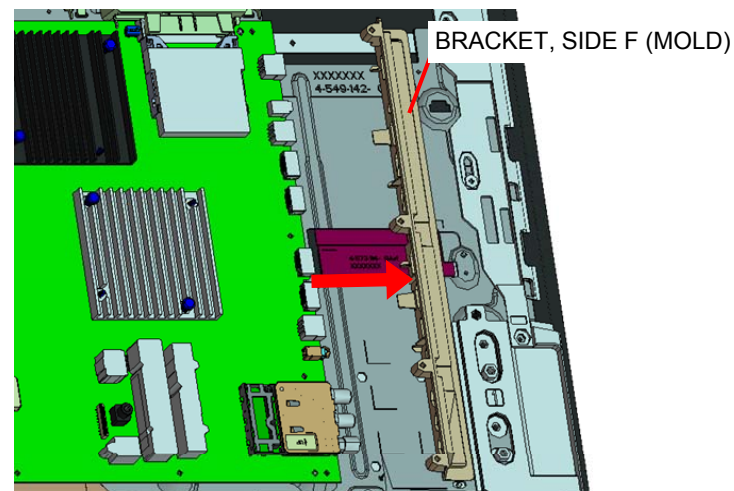
1

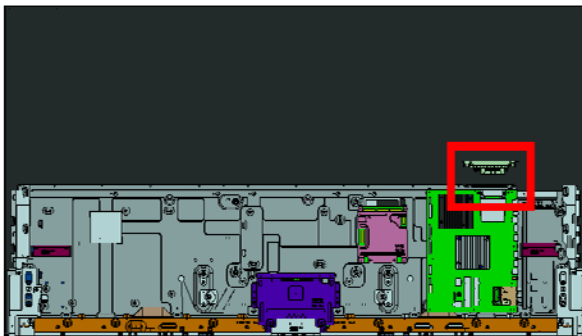


2

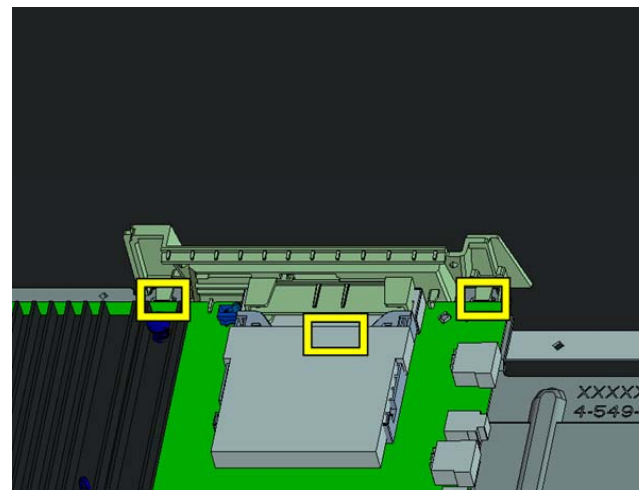


3

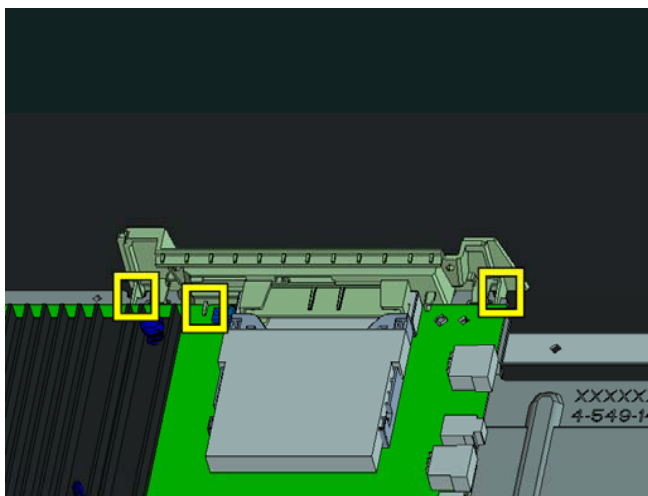


**1-2. KD-65X9\*C****1-2-41. BRACKET, CARD COVER (CRN)**

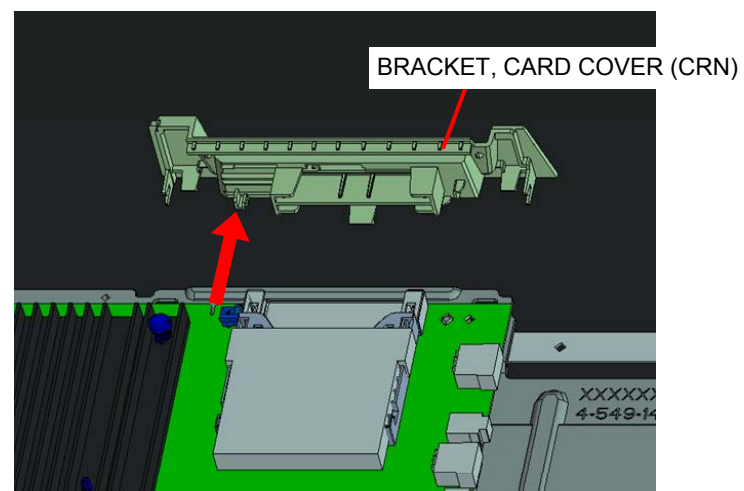
1



2

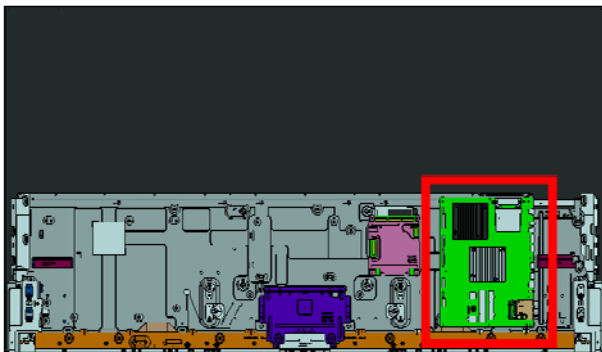


3

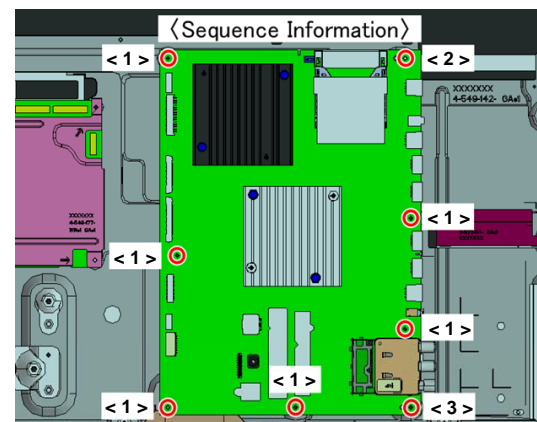


## 1-2. KD-65X9\*C

## 1-2-42. BMFW ASSY

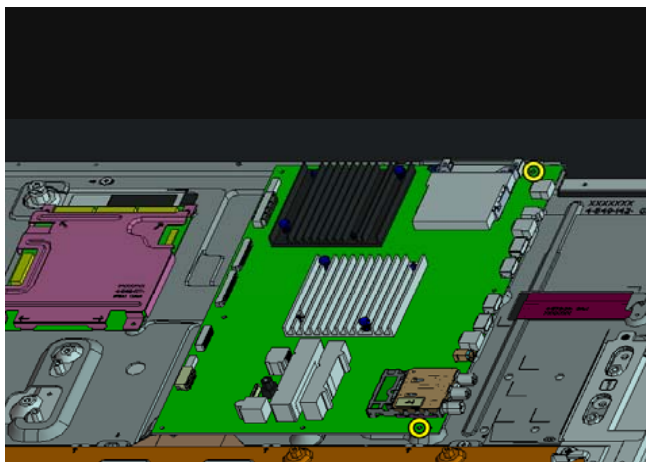


1

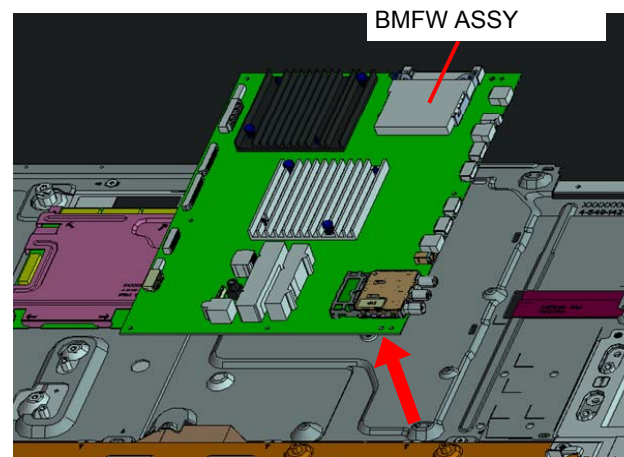


8 screws (SCREW (+PSW) (M3X6)) P/N: 2-990-421-41

2



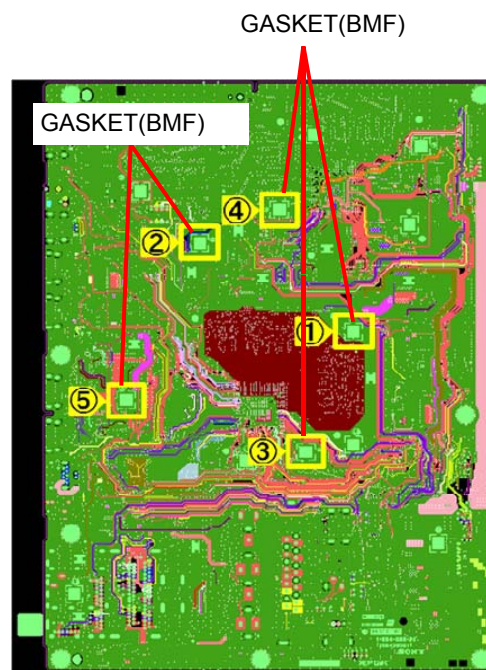
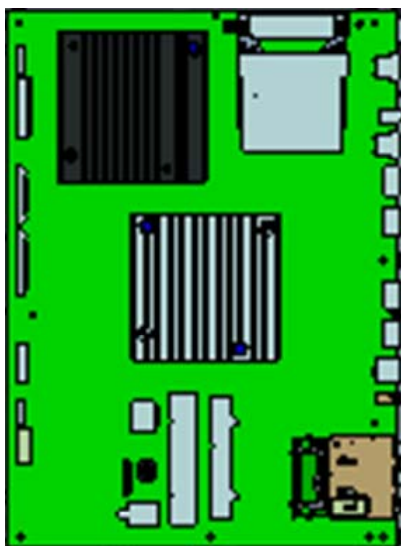
3





## 1-2. KD-65X9\*C

## 1-2-43. GASKET (BMF)

**NOTE:**

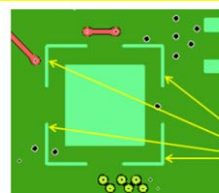
When you replace a BMFW board, it is necessary to stick five new GASKET on a new BMFW board.  
GASKET (BMF): 4-566-117-01

However, there are sets that mount the surface mount type gasket.

In that case, replacing the GASKET is not necessary

Because it is soldered on the board and impossible to detach

Stick GASKET inside the guide line.



Guide line

\*No indication of direction

**Caution:**

1. Please aim at the center of square land.
2. Assy the gaskets just before B board panel installation.

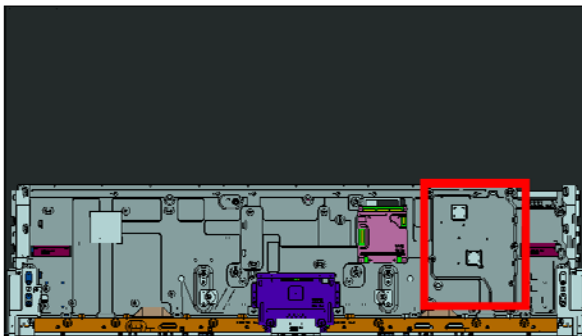
To stick the GASKET firmly,  
Press the gasket until compression completely.  
(0.5-1.0kgf)



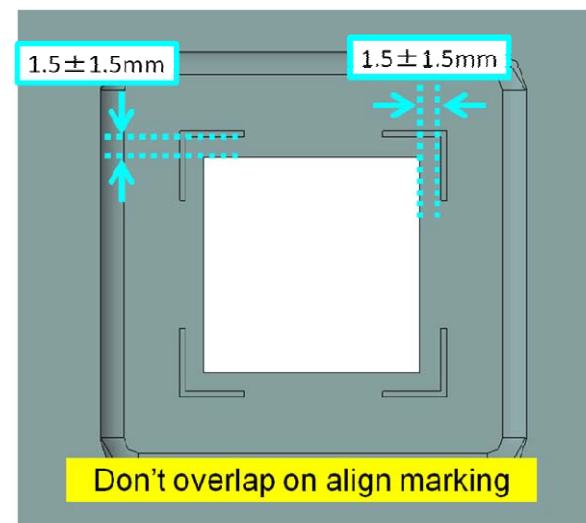


## 1-2. KD-65X9\*C

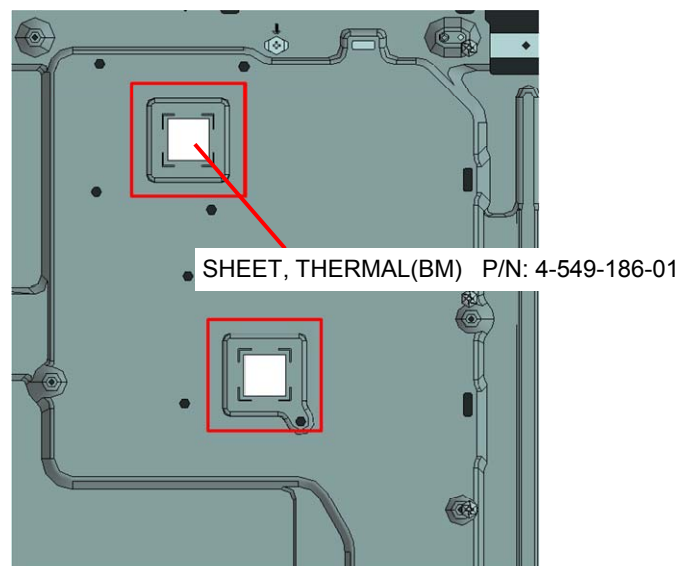
## 1-2-44. SHEET, THERMAL (BM)

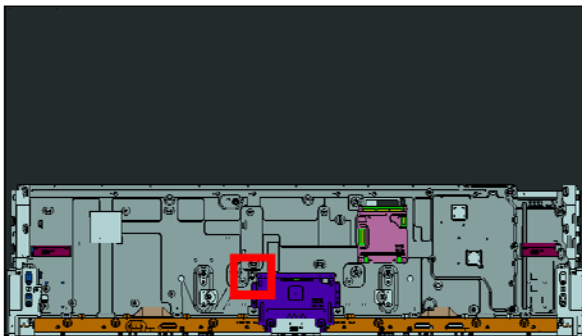
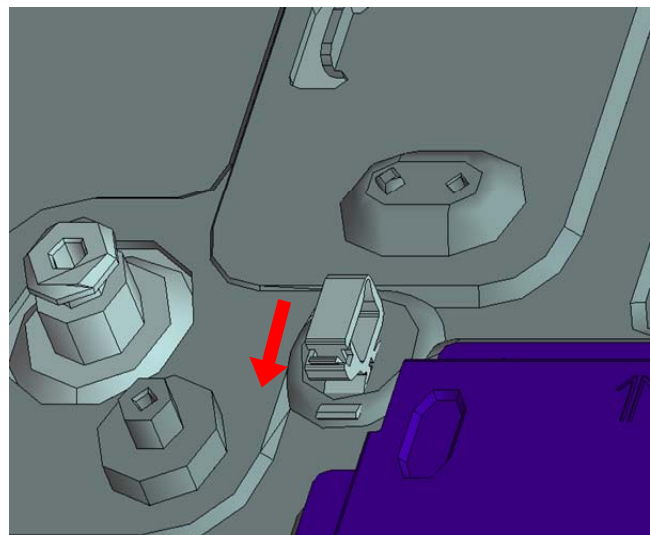
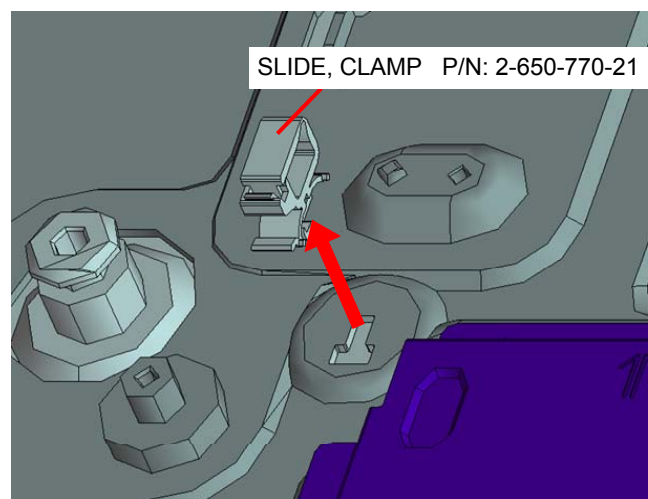


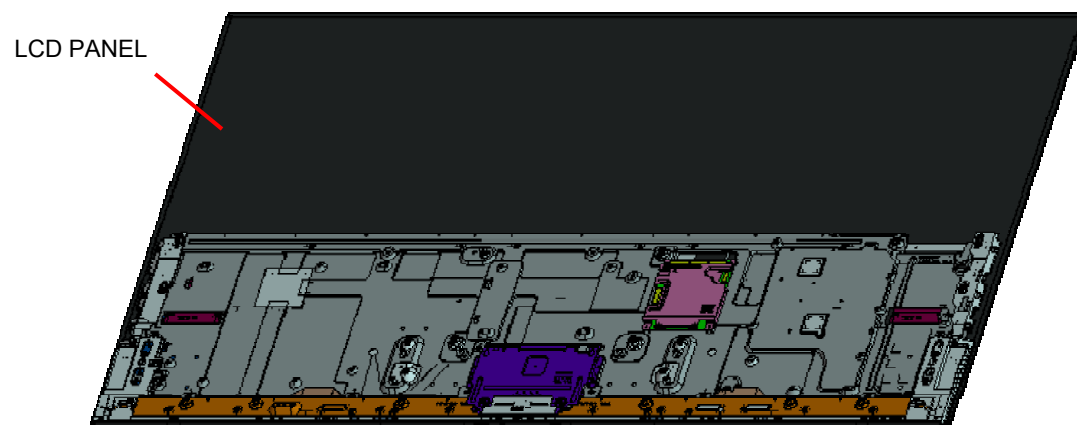
1



2

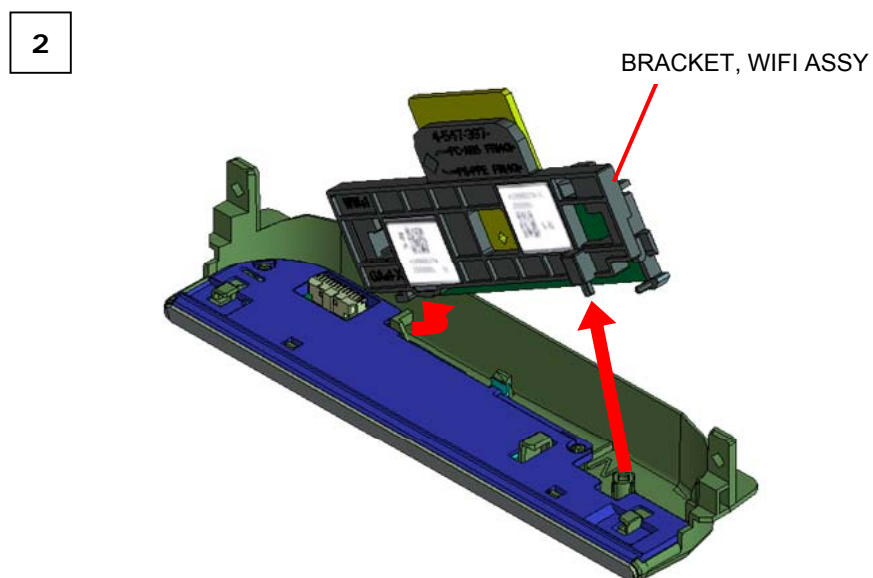
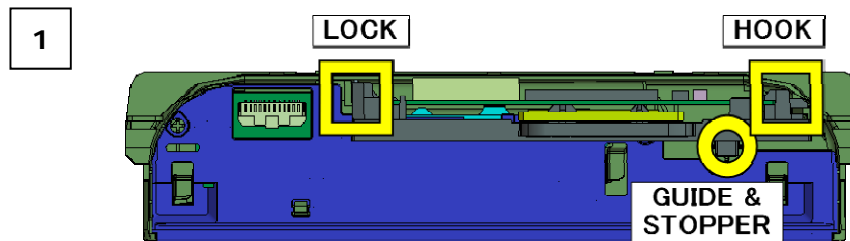
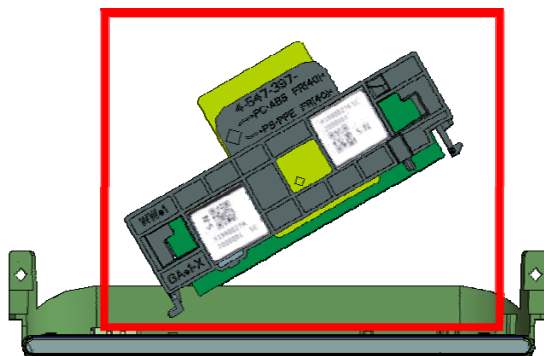


**1-2. KD-65X9\*C****1-2-45. SLIDE, CLAMP****1****2**

**1-2. KD-65X9\*C****1-2-46. LCD PANEL**

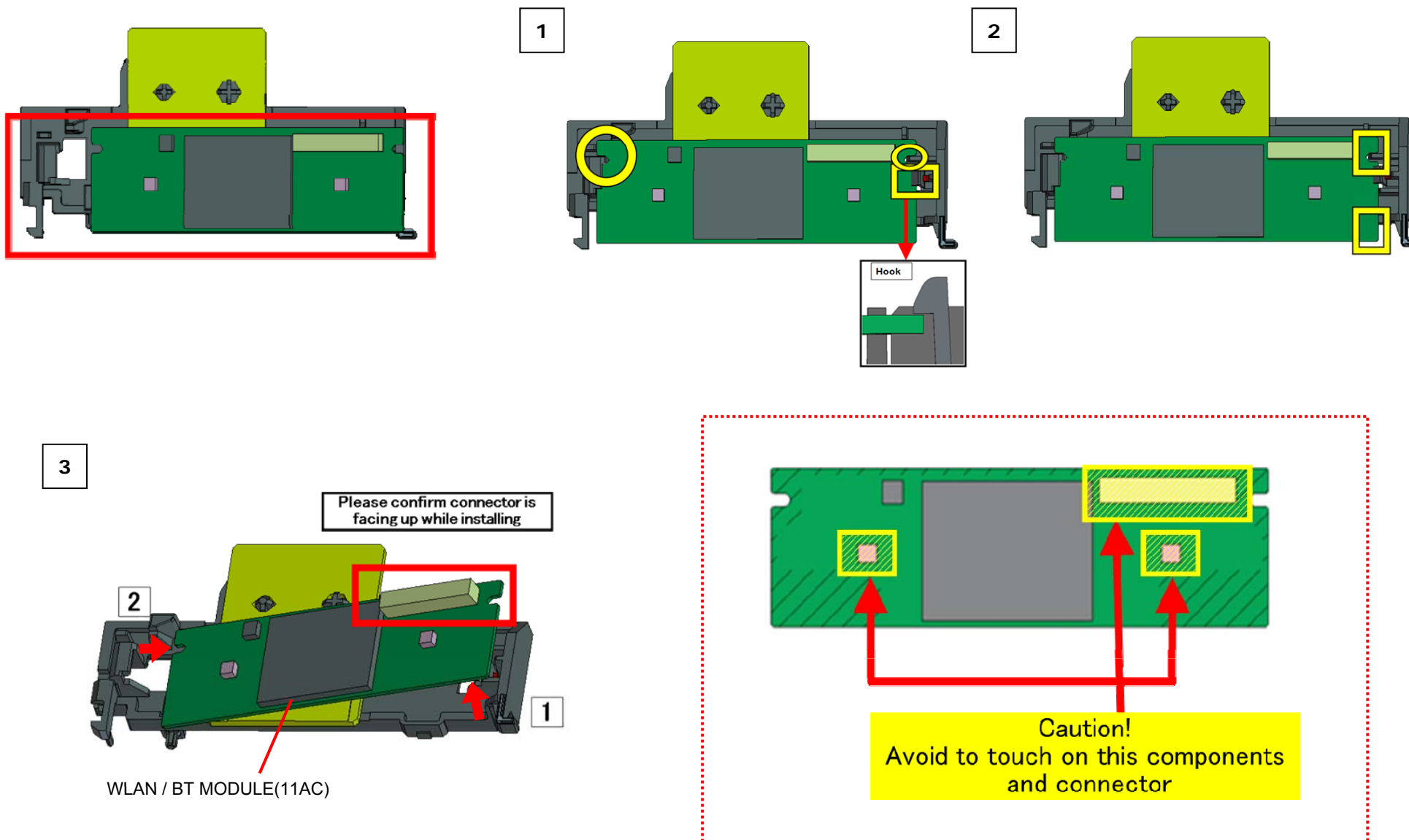
### 1-3. SMART CORE (NL)

#### 1-3-1. BRACKET, WIFI ASSY



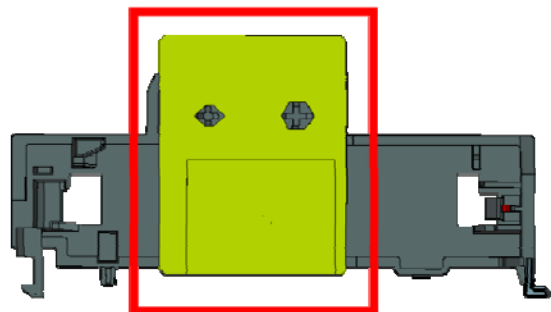
### 1-3. SMART CORE (NL)

#### 1-3-2. WLAN / BT MODULE(11AC) ASSY

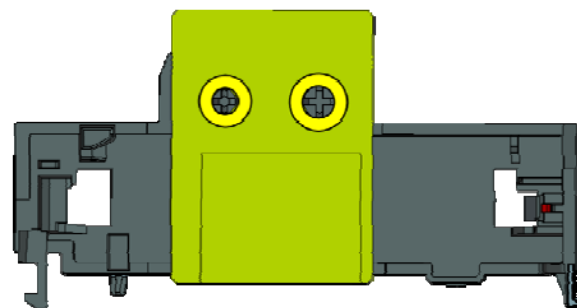


### 1-3. SMART CORE (NL)

#### 1-3-3. HEAT SINK L(SC) AND BRACKET, WIFI

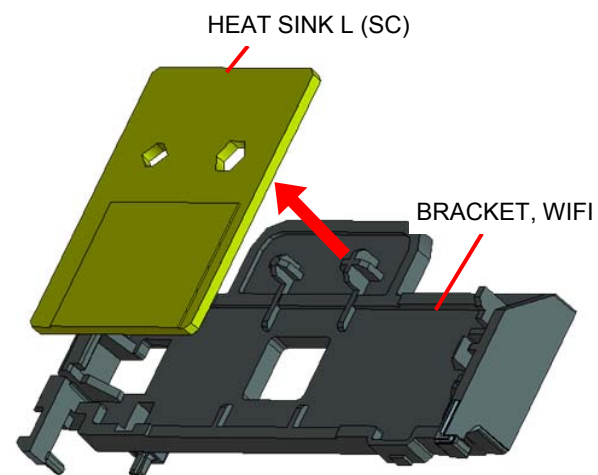


1



Confirm Position

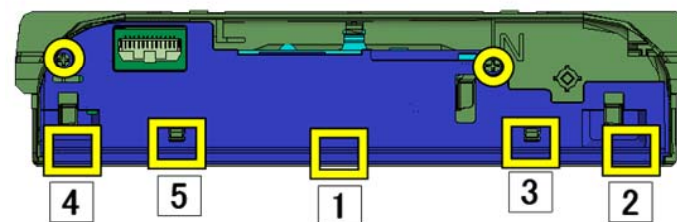
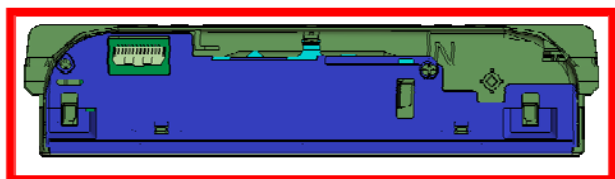
2



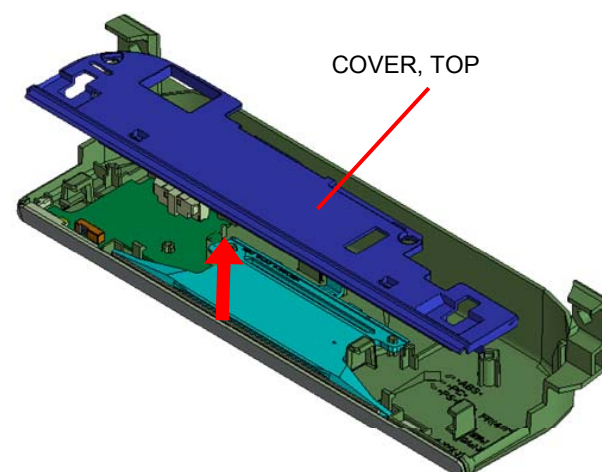
## 1-3. SMART CORE (NL)

### 1-3-4. COVER, TOP

1



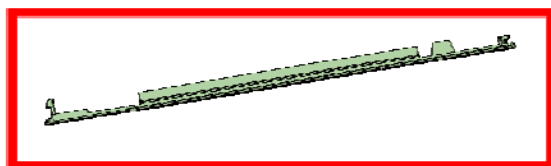
2



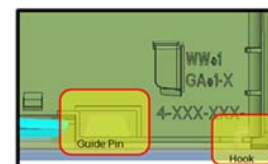
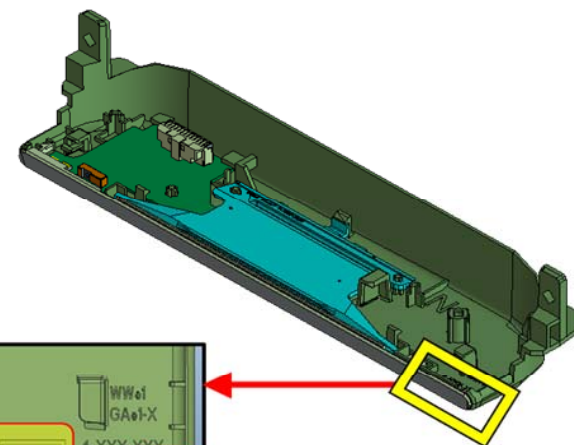


## 1-3. SMART CORE (NL)

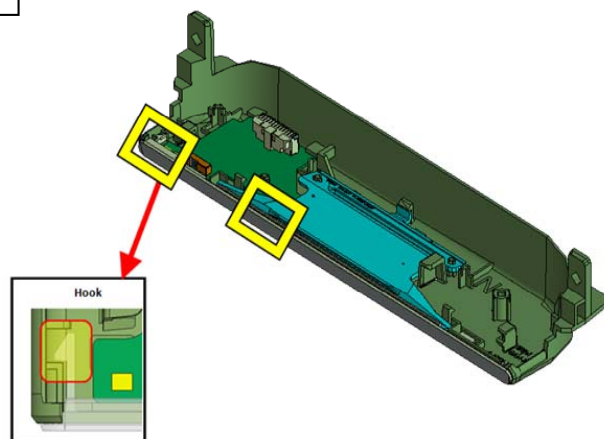
### 1-3-5. PANEL, ORNAMENT



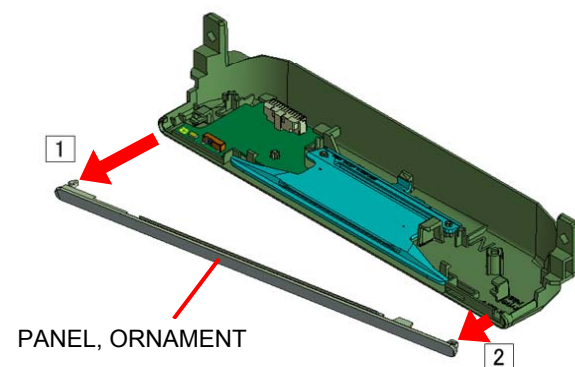
1



2



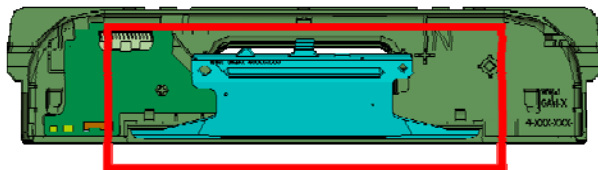
3



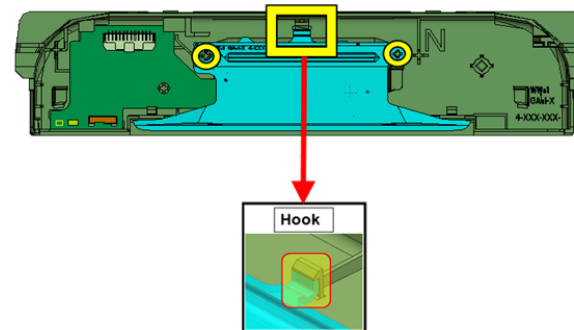
PANEL, ORNAMENT

## 1-3. SMART CORE (NL)

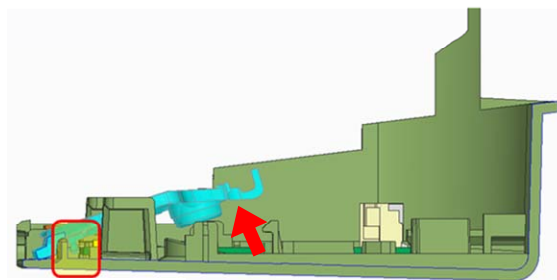
### 1-3-6. LIGHT, GUIDE



1

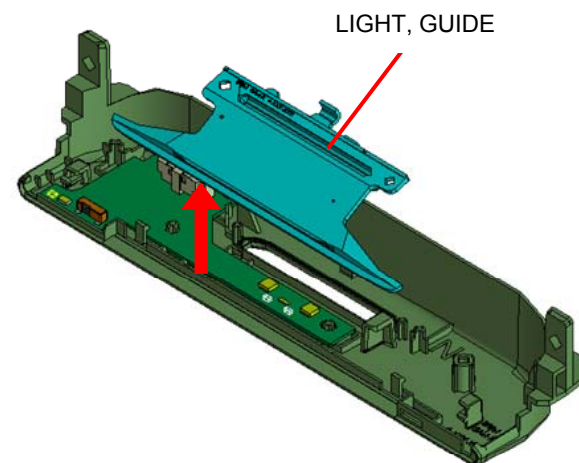


2



LOCK PORTION

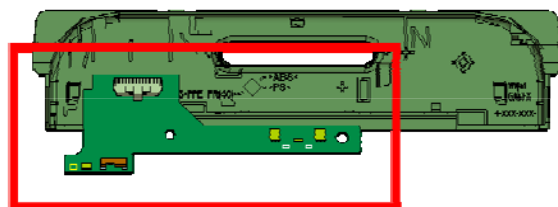
3



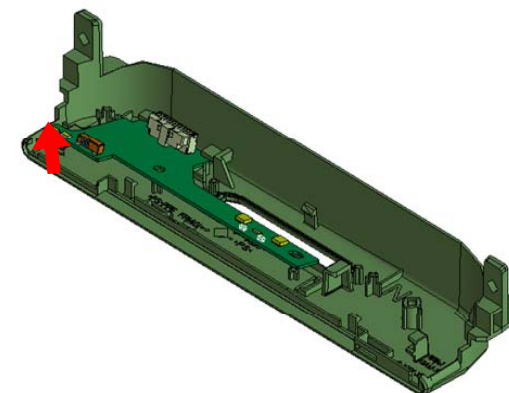
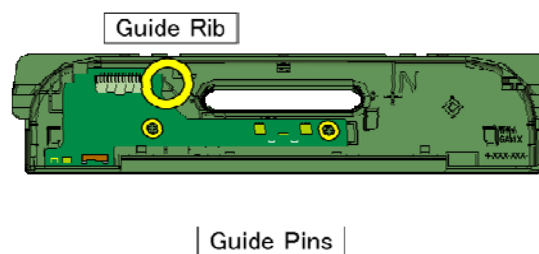
## 1-3. SMART CORE (NL)

## 1-3-7. HSC3\_S\_M MOUNT

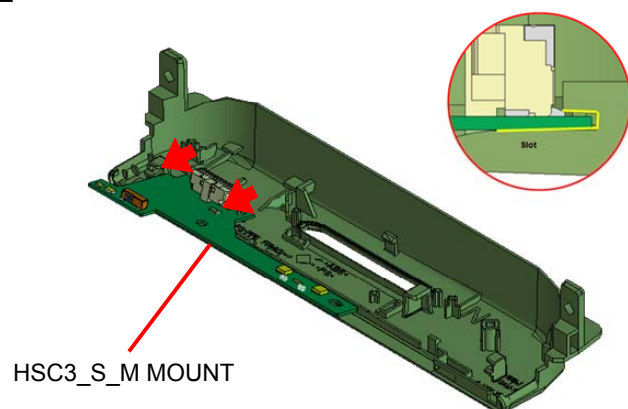
1



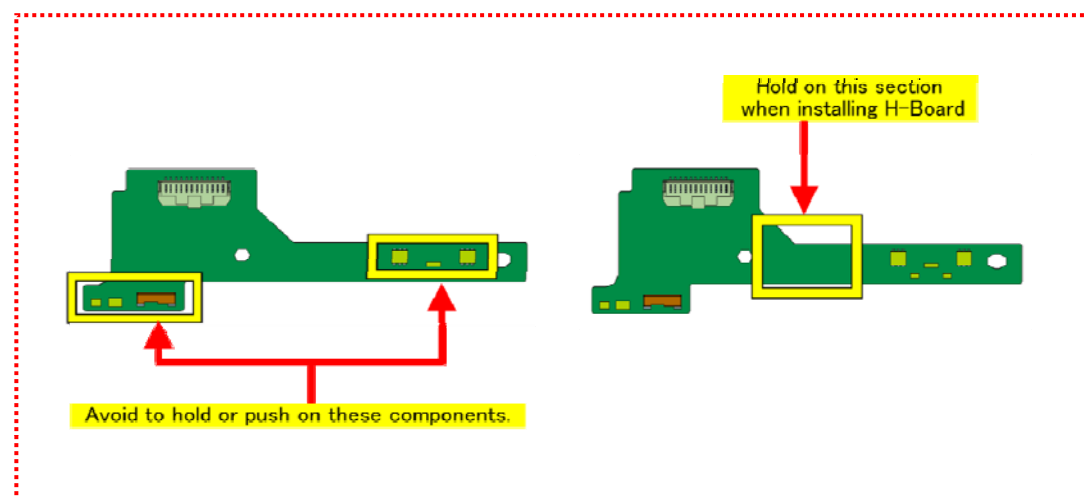
2



3

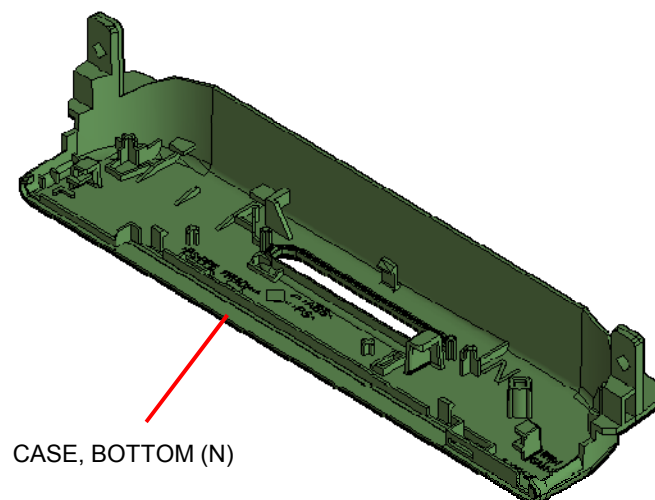


HSC3\_S\_M MOUNT



### 1-3. SMART CORE (NL)

#### 1-3-8. CASE, BOTTOM (N)

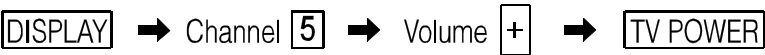


CASE, BOTTOM (N)

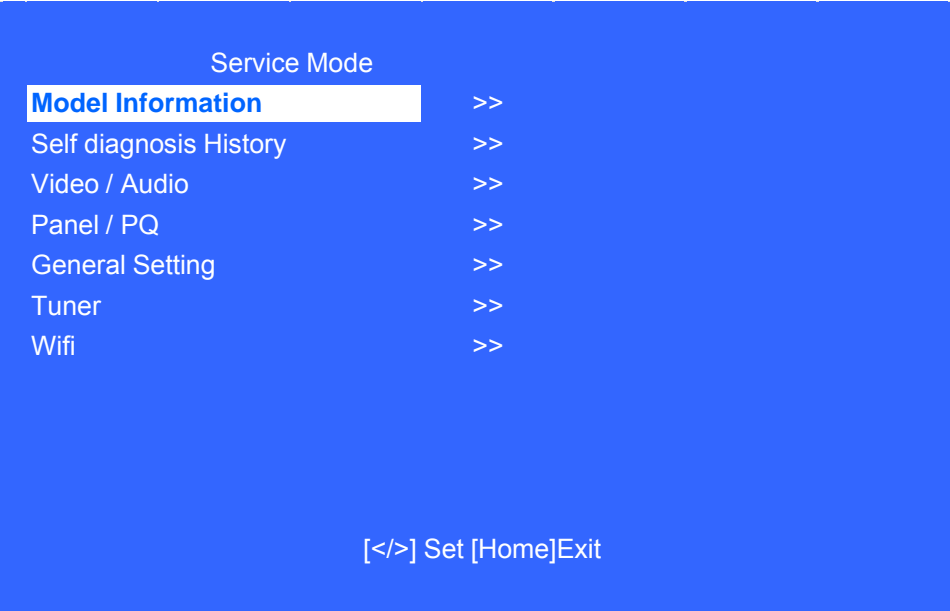
# SEC 2. ADJUSTMENT

## HOW TO ENTER THE SERVICE MODE

- 1) Turn on the main power switch to set in standby mode.
- 2) Press the buttons on the remote commander in the following sequence with each interval within 1 sec, then the service mode will be set.



- 3) Service mode display.



- 4) How to use the remote commander.

Function	The flow of control
Service mode on	<Display><5><Vol Up><Power>
Service mode off	<MENU>/<HOME>
Item up / down	<↑>/<↓>
Item select left/right	<←>/<→>
Execute	<OK>

- 5) After entering service mode, then turn off the power switch.

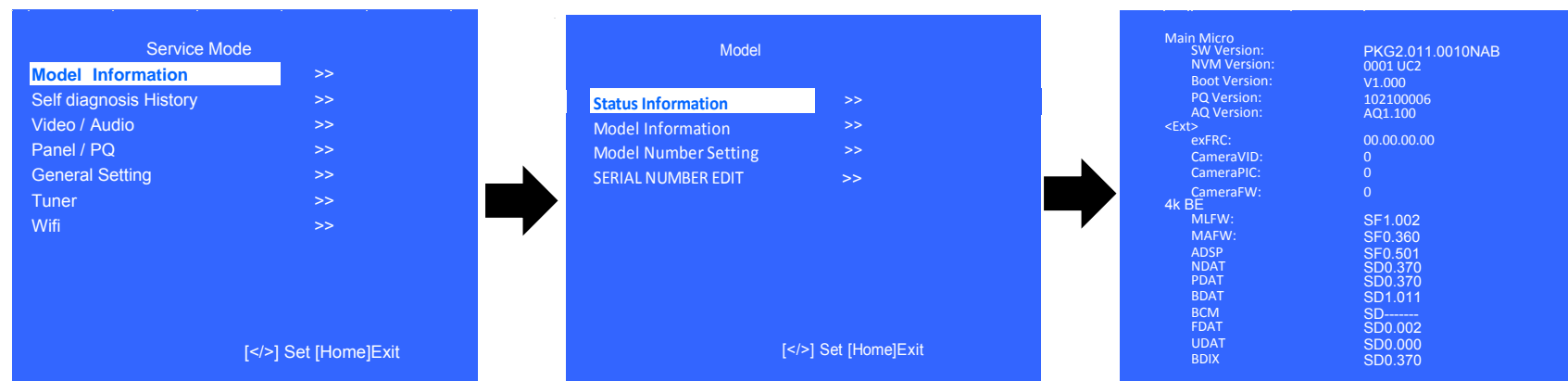
## Summary of key behavior

Key	Behavior
Menu	Close service menu
Cursor/Enter	Return Previous page, Change potion of focus item, Enter next page of focus item, etc..
Return	Return to previous page, close service menu etc..

**Note:**  
After you finish the service mode operations, never forget to AC plug OFF and ON.  
Unless otherwise, the service mode application may still persist and the user can access the service mode even after remote Off/On.

## SOFTWARE VERSION

- 1) In Service Mode, select “Model Information”, press “Enter” or “→” button to enter Status Information.

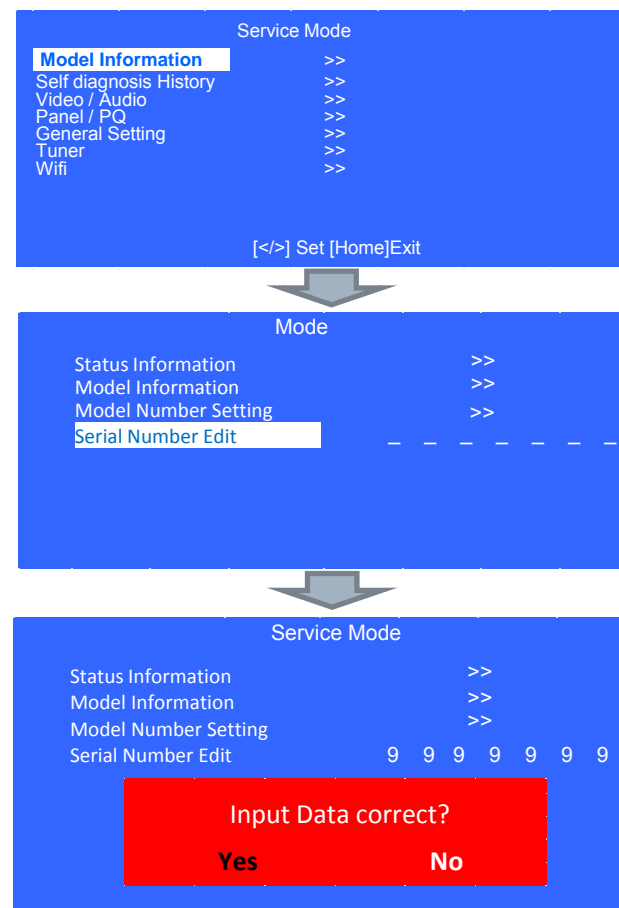


- 2) Press “Enter” or “Return” button to return to Service Mode.



**SERIAL NUMBER EDIT (1)**

- 1) In “Service Mode”, select “Model Information” by pressing “↑” or “↓” then pressing “Enter” or “→” button to enter inside.
- 2) Select “Serial Number Edit” by pressing “↑” or “↓” button then pressing “Enter” or “→” button
- 3) Press “↑” or “↓” to input numbers.
- 4) After user input data , press <Enter> .
  - Pop-up dialog appear to confirm input data correct
  - **Serial Number can be set ONLY ONCE**
- 5) Press “→” or “←” button to select YES or NO. Select YES if input data is correct. Select NO if input data is incorrect. Press <Enter> to save answer.



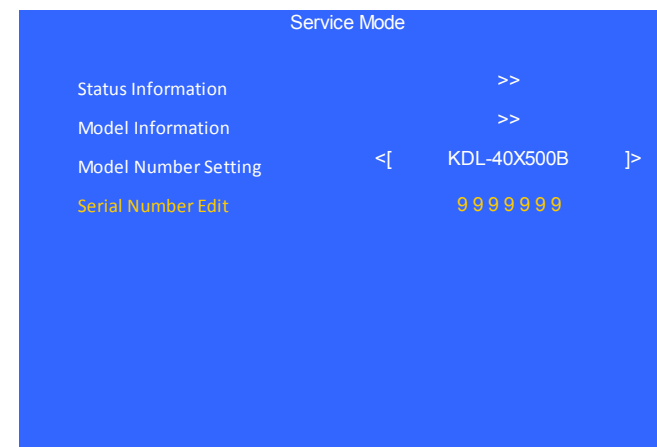


## SERIAL NUMBER EDIT (2)

If **YES is selected**, the input data is saved into EEPROM.

SERIAL NUMBER EDIT is greyed out and the serial number that has been input is displayed.

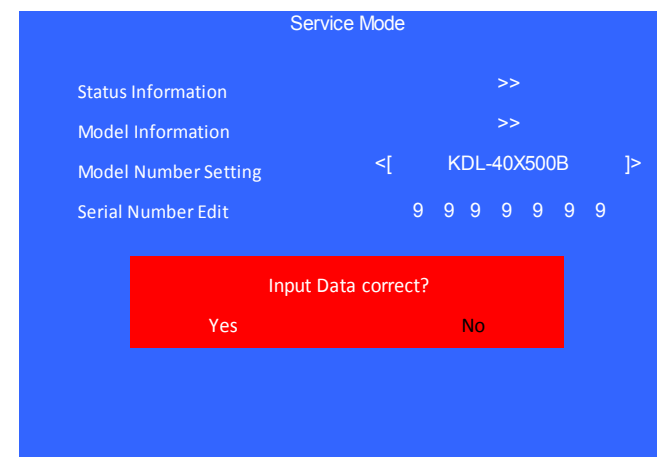
User will **not able to edit** anymore.



If **NO is selected**, the input data is not saved into EEPROM.

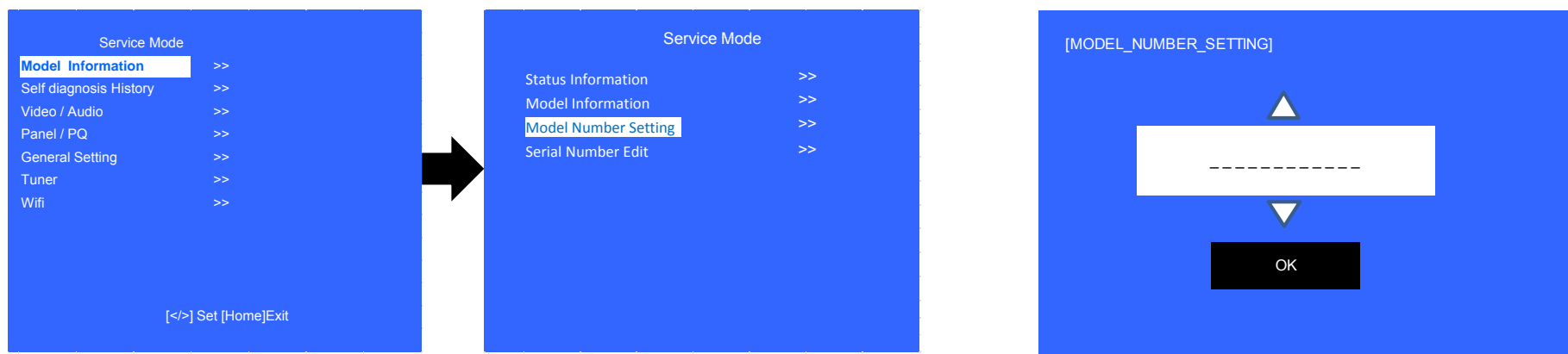
The serial number that has been input is displayed.

User can still edit the Serial Number.



**MODEL NUMBER SETTING**

- 1) In “Service Mode”, select “Model Information” by pressing “↑” or “↓” then pressing “Enter” or “→” button to enter inside.
- 2) Select “Model Number Setting” by pressing “↑” or “↓” button then pressing “Enter” or “→” button.
- 3) Press “↑” or “↓” arrow key to scroll Product Name Candidate.  
➤ (e.g. KDL-40X500B CO1,KDL-40X500C BR6)
- 4) Select one Product Name from the list, press <Enter> will pop dialog to inform user to confirm data. Model dependent settings will be overwritten into EEPROM.

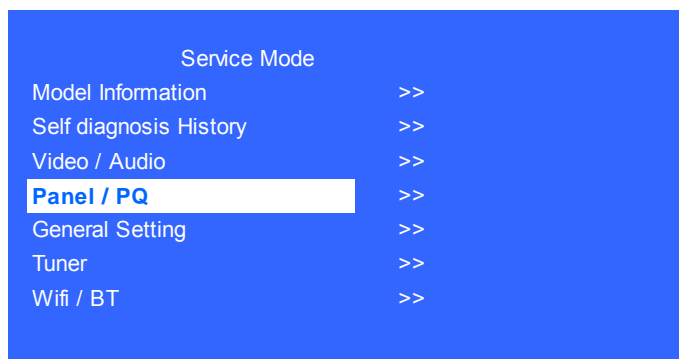


**WB ADJUSTMENT**

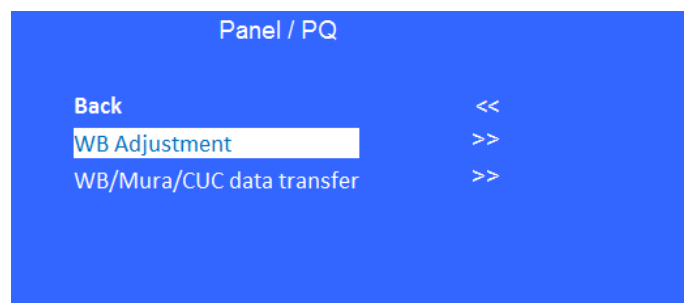
(Please apply when main board or panel is replaced.)

In “Panel/PQ” service mode.

- a. Go to “WB Adjustment” category by “↑” or “↓”.



- b. To select “WB Adjustment”, press “→” button.



- c. To change data , press “←” or “→” on remote commander.

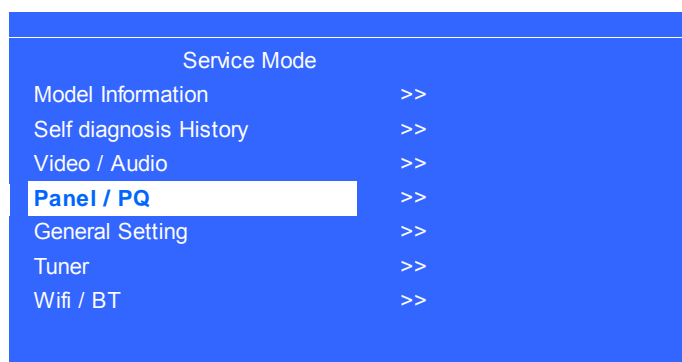


**WB/MURA/CUC DATA TRANSFER**

(Please apply when main board or panel is replaced.)

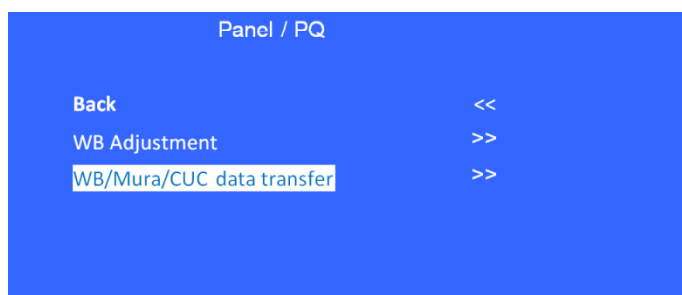
1. In “Panel/PQ” service mode.

- a. Go to “WB/Mura/CUC data transfer” category by “↑” or “↓”.



- b. To select “WB/Mura/CUC data transfer”, press “→” button.

- c. To change data , press “←” or “→” on remote commander.



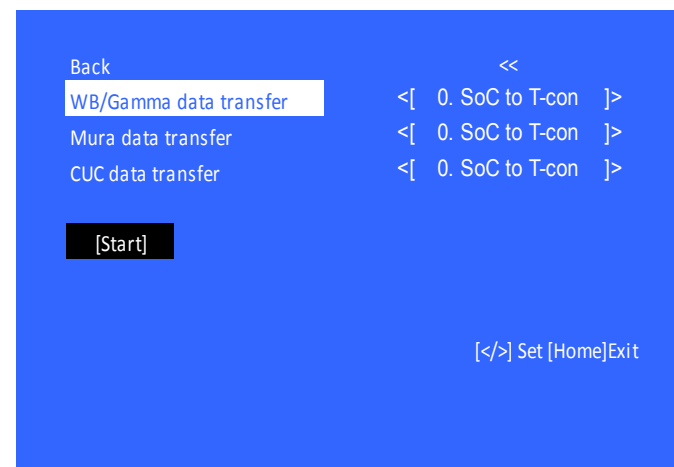
2. In “WB/Mura/CUC data transfer”.

- a. Select “WB/Gamma data transfer” by pressing “↑” or “↓” on remote commander.  
b. To change the items, press “←” or “→” on remote commander and press “Enter” button.

**Selectable items are:**

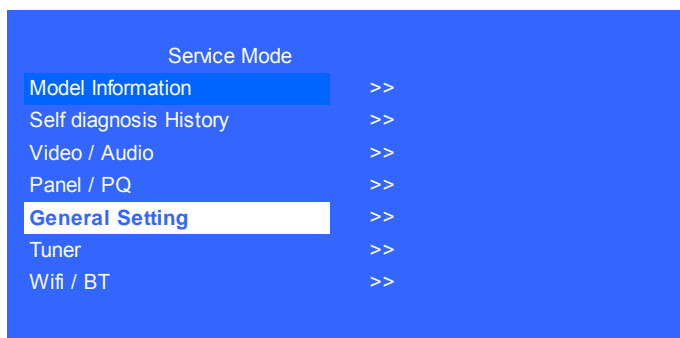
0. SoC to T-con  
1. T-con to SoC  
2. Not action

- c. Select “[start]” and press “Enter” button to start transfer.

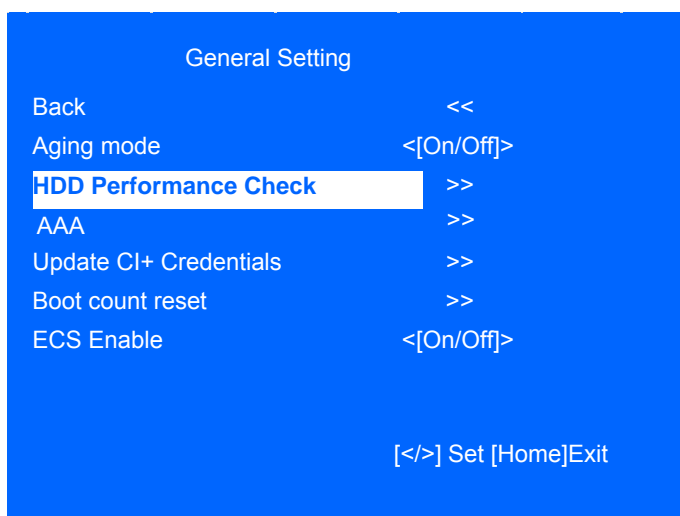


**HDD PERFORMANCE CHECK**

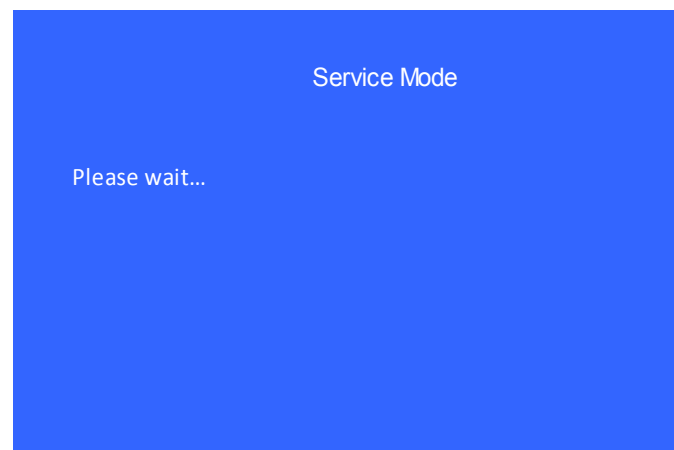
1. In “Service Mode”, select “General Setting” by pressing “↑” or “↓” then pressing “Enter” or “→” button to enter inside.



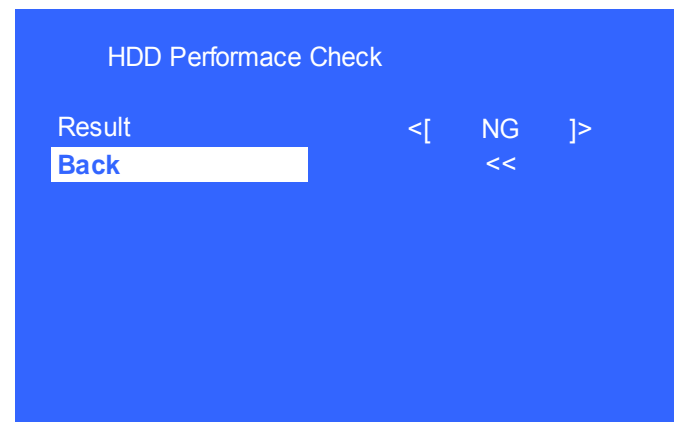
2. Select “HDD Performance check ” by pressing “↑” or “↓” then pressing “Enter” or “→” button to enter inside.



3. A message "Please wait ..." is displayed during performance check processing.

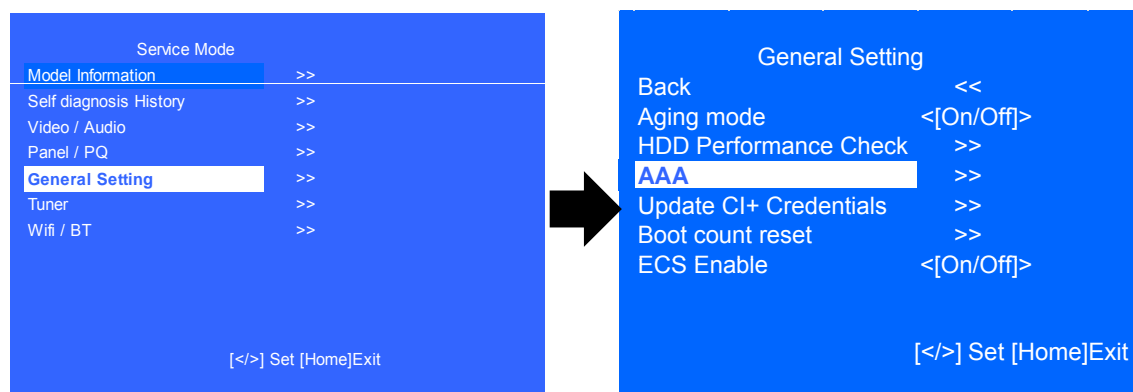


4. Result **OK** or **NG** will be displayed after performance of HDD is checked

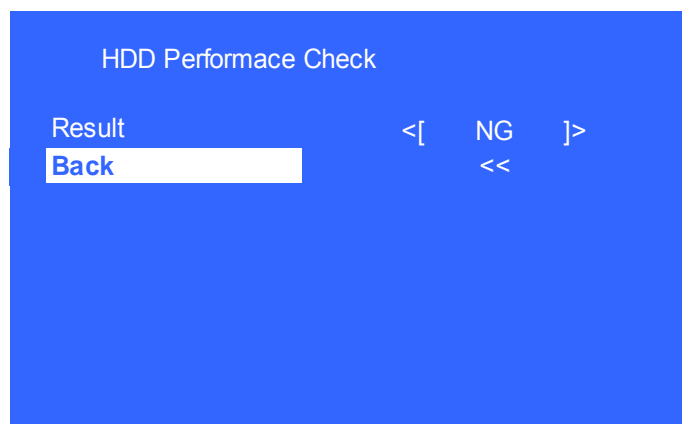


## HDD RE-REGISTRATION

- 1) In "Service Mode", select "General Setting" by pressing "↑" or "↓" then pressing "Enter" or "→" button to enter inside.
- 2) Select "AAA" by pressing "↑" or "↓" then pressing "Enter" or "→" button to enter inside.



- 3) Result **OK** or **NG** will be displayed after HDD re-registration is succeed/failed.



# SEC 3. TROUBLE SHOOTING

## 3-1. TRIAGE

### Chart of triage information

1. Confirm the claimed symptom.
2. Select that symptom from the chart.
3. Bring all the boards and cables listed for that symptom.
4. Follow the troubleshooting charts in the technical guides to isolate the board.
5. Chart Color Code.

RED DOT: Most likely defective part

BLUE TRIANGLE: Secondary possible defective part

BLACK TEXT: Board that may correct the symptom

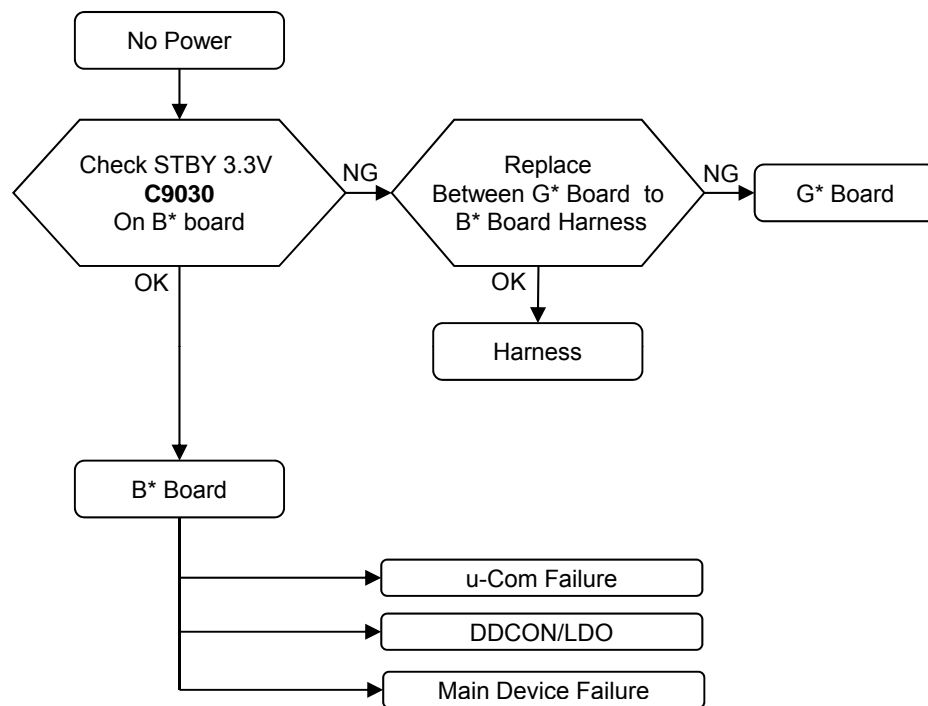
Reference	Symptoms - Shutdown. Power LED blinking red diagnostics sequences										No Power	Video - missing or distorted		Remote	Network	Audio	Skype	Smart Core	Bluetooth (BT)
	2	3	4	5	6	7	8	9	10	No White Power LED & does not response to remote (Dead Set)	Stationary colored lines or dots	No video One of Inputs	No video all Inputs	No Remote	Wireless can't connect	No Audio	Skype Can't Work	Smart Core no LED (Set is still alive)	Bluetooth / One Step Remote (OSR) can't connect
B* Board	▲	●	▲	▲	▲	●	●			▲	▲	●	●	▲	▲	●	▲	▲	▲
G* Board	●	▲	▲	▲	●					●						▲			
H* Board										▲				●				●	
K* Board		▲														●			
Speaker		▲														●			
Wifi & BT Module							●								●		▲		●
LD* Board			●										▲						
V By One FFC				▲							▲		▲						
Tcon				●					▲		▲		▲						
LCD Panel			▲	●	●	▲					●		▲						
Problem	Power	Power	LD	Panel (Communication)	Panel (Backlight)	TEMP	Soft-ware		Emitter										
	Local	Local																	

Not necessary for the destination except for AMERICAS/EUROPE.  
 For AMERICAS: Sets with software version updated or installed to PKG2179 or higher have this function disabled  
 For Europe: Sets with software version updated or installed to PKG2177 or higher have this function disabled

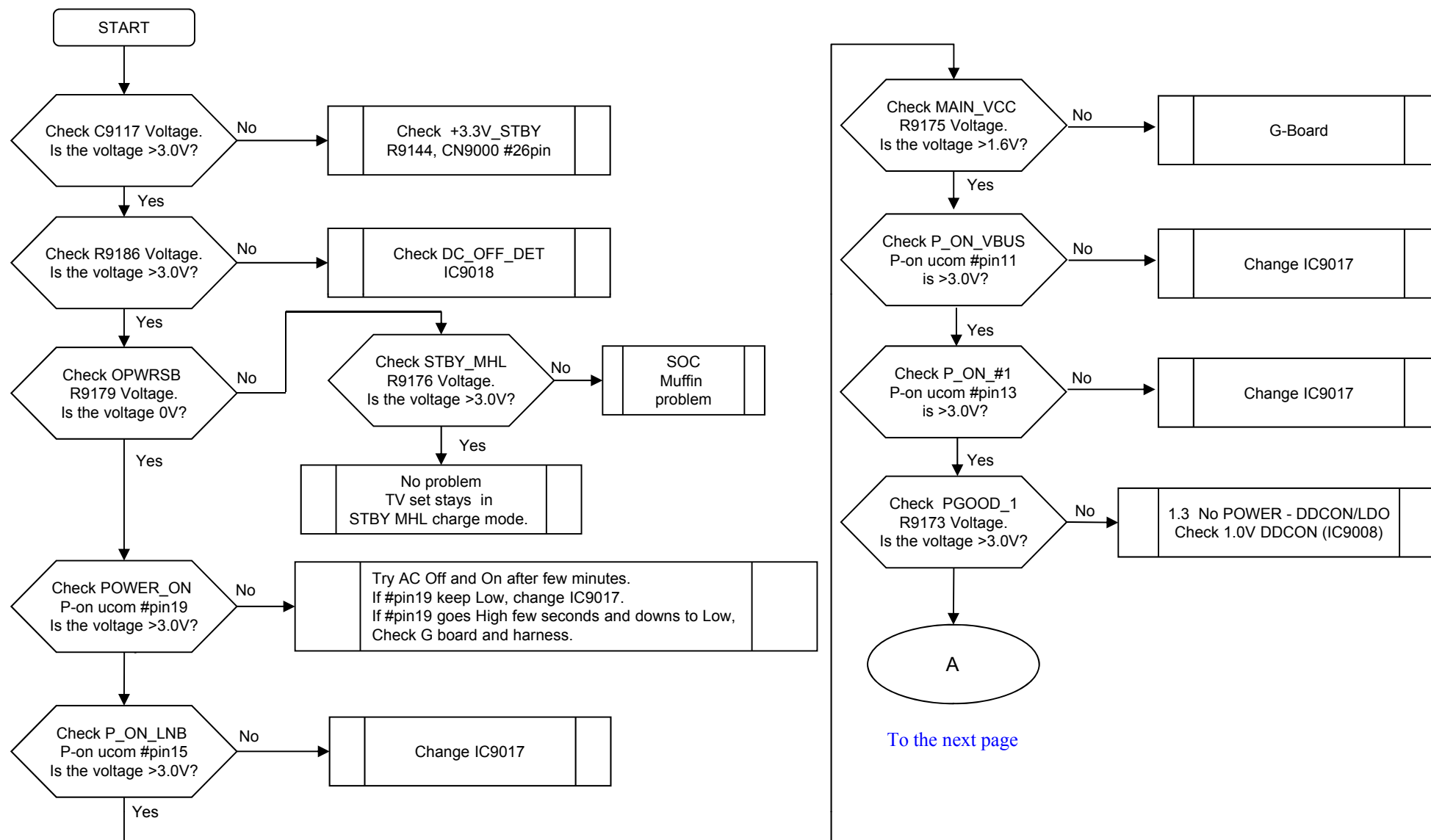


## 3-2. NO POWER

### 3-2-1. NO POWER-PCU

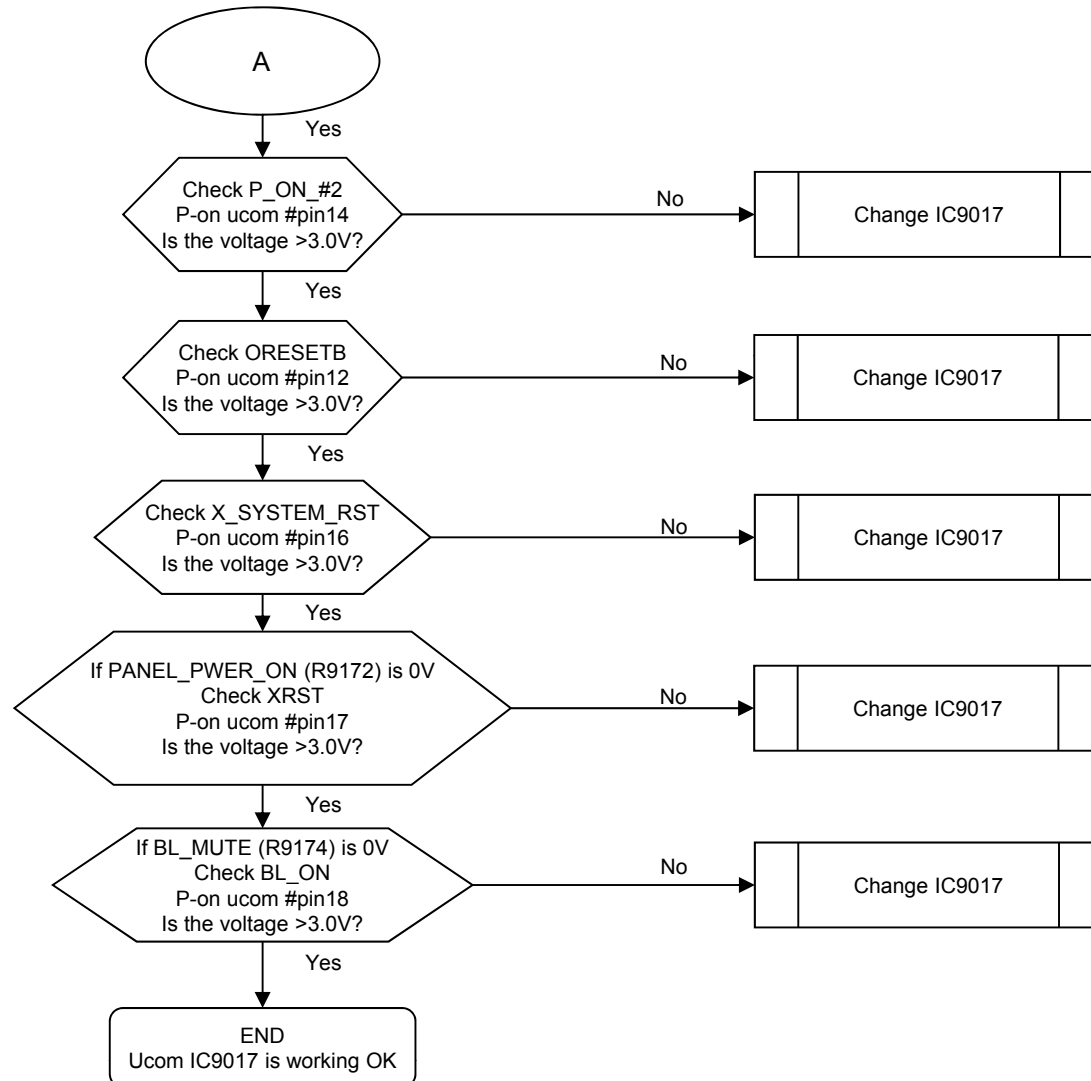


## 3-2-2. NO POWER-U-Com Failure (1/2)

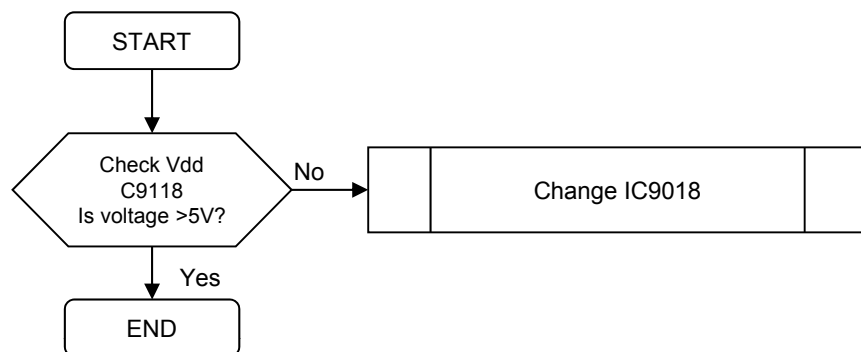


## 3-2-2. NO POWER-U-Com Failure (2/2)

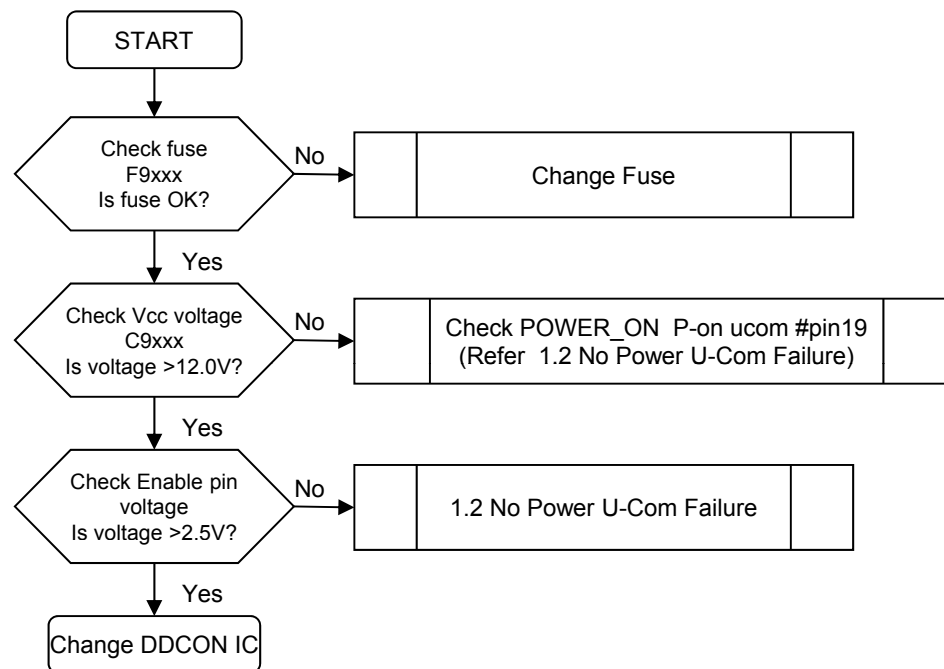
From previous page



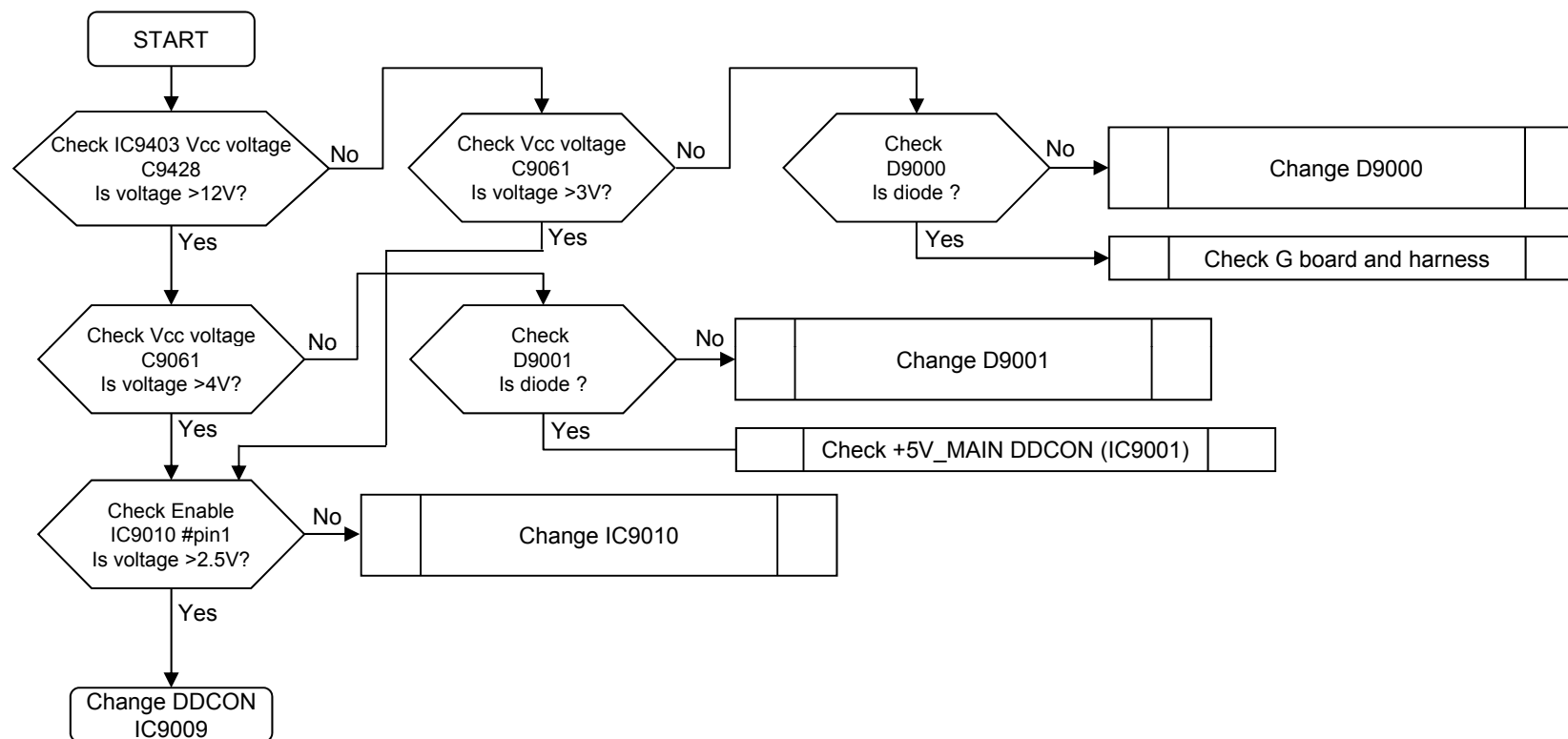
## 3-2-3. NO POWER: DC\_OFF\_DET check

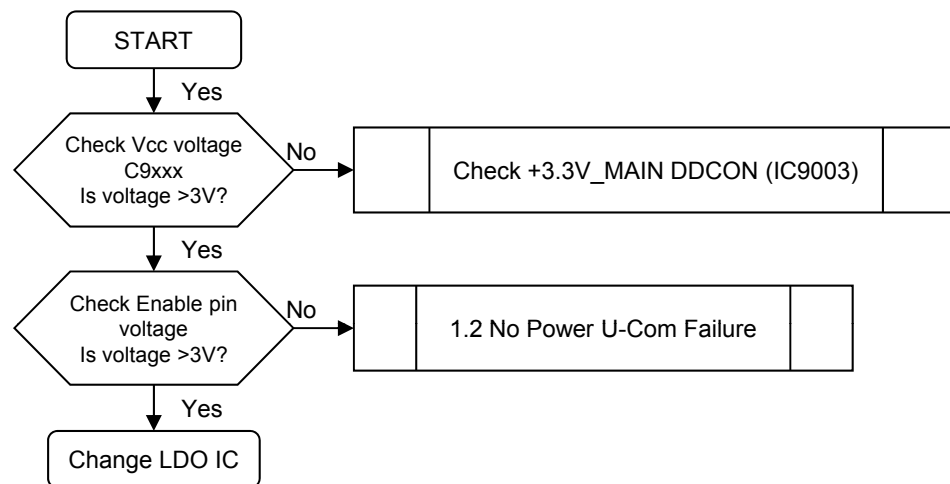


## 3-2-4. NO POWER: DDCONs check



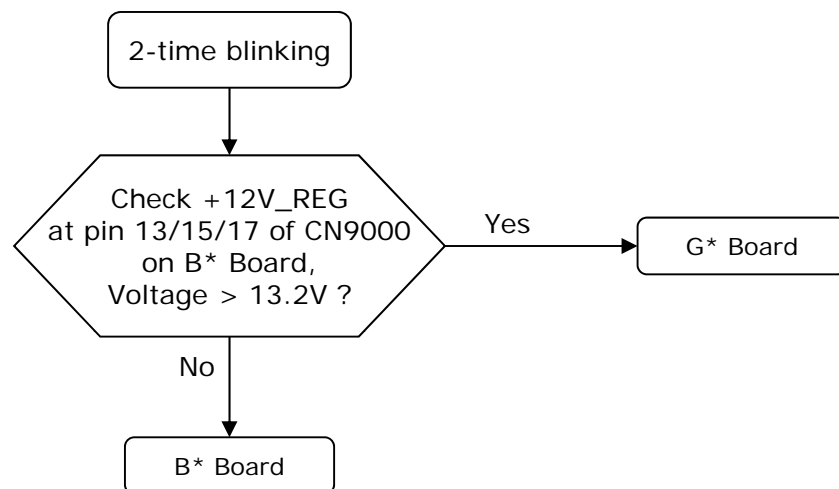
## 3-2-5. NO POWER: DDCON check



**3-2-6. NO POWER: LDOs check check**

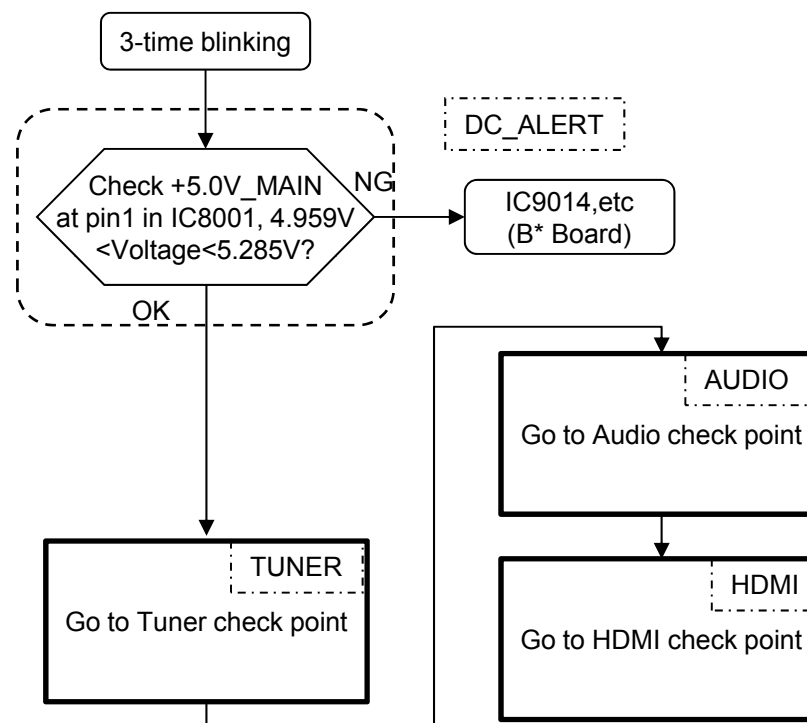
### 3-3. STANDBY LED BLINKING

#### 3-3-1. 2 Times Blinking (Main power Error)



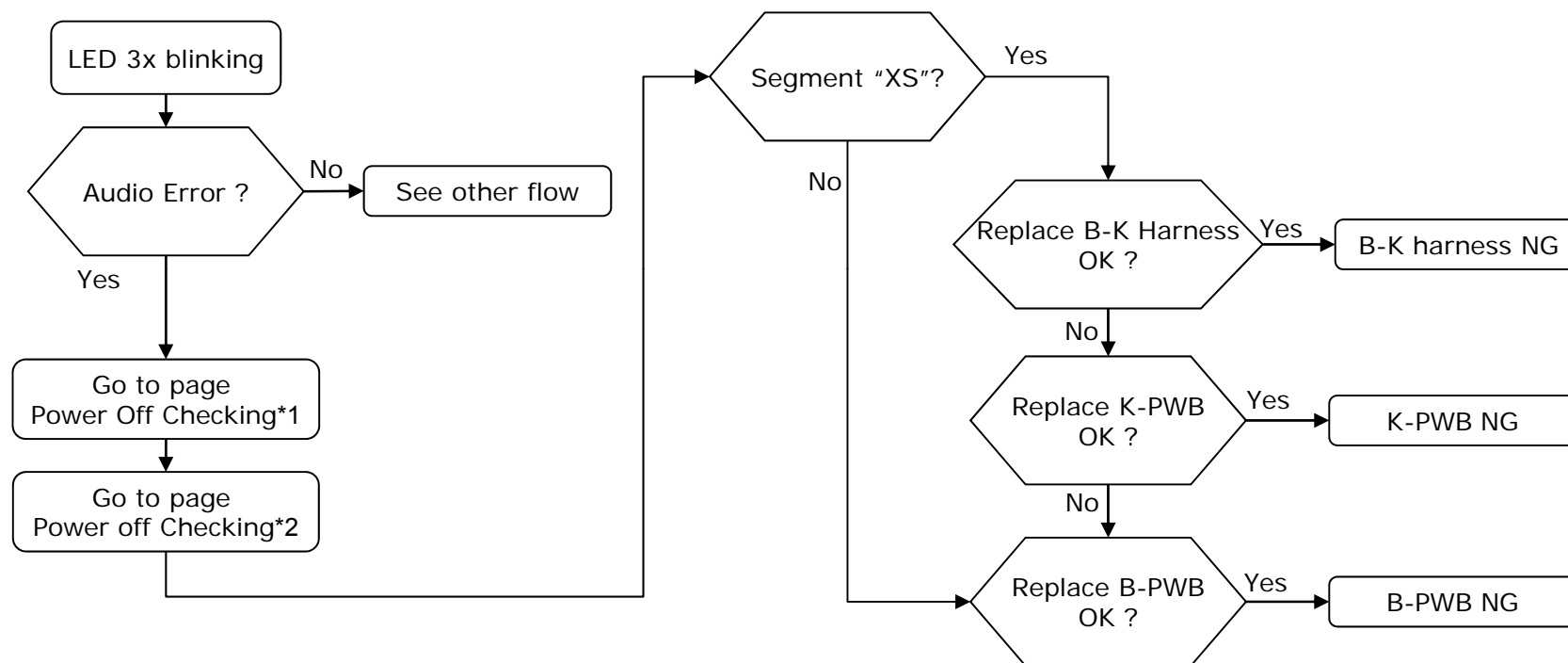
#### 3-3-2. 3 Times Blinking (DC Alert)

##### BMFL/BMFW board

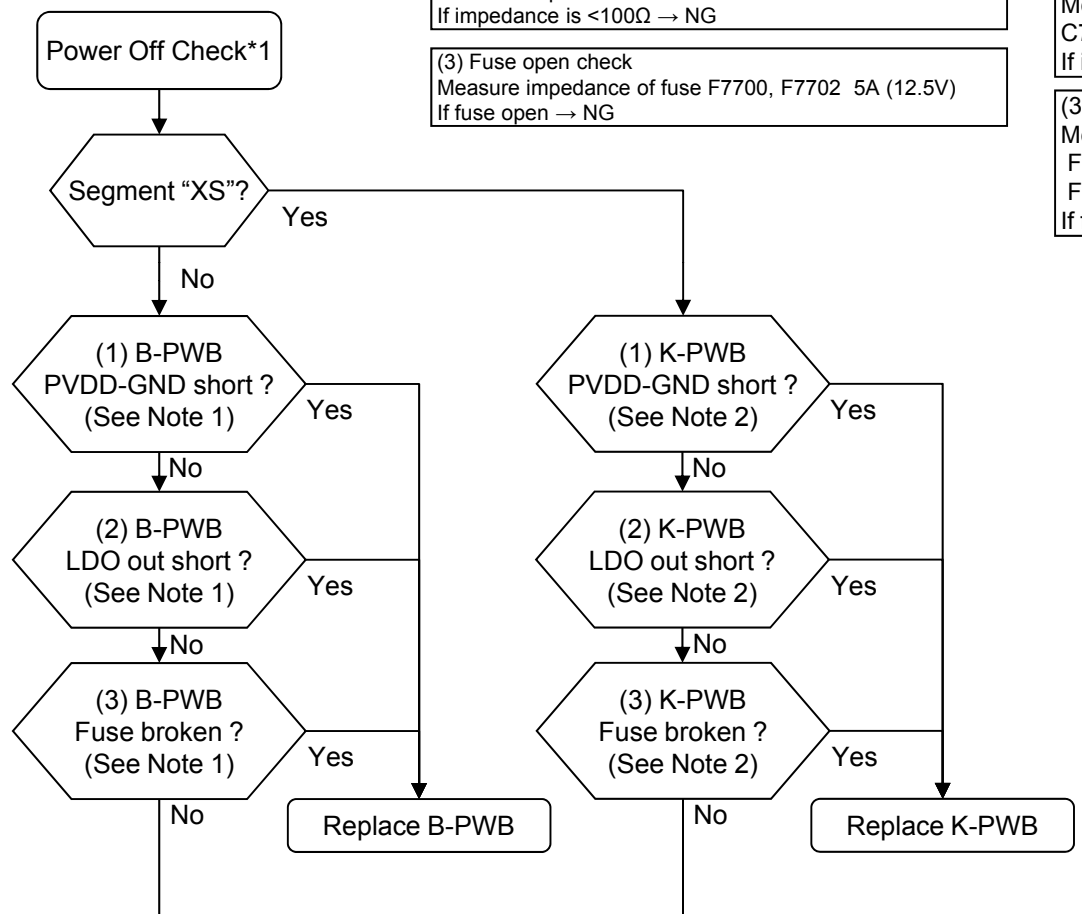




## 3-3-3. 3 Times Blinking (Audio Error)



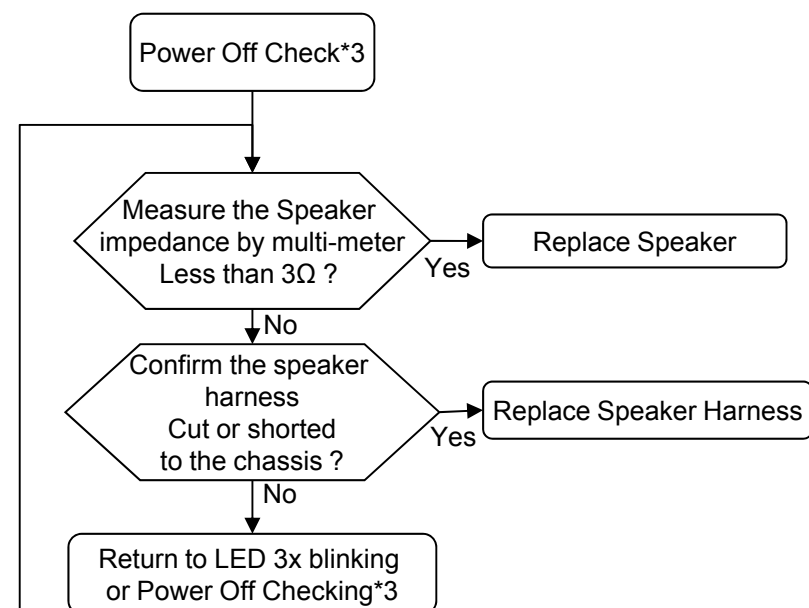
## 1) Power Off Checking\*1

**Note 2:**

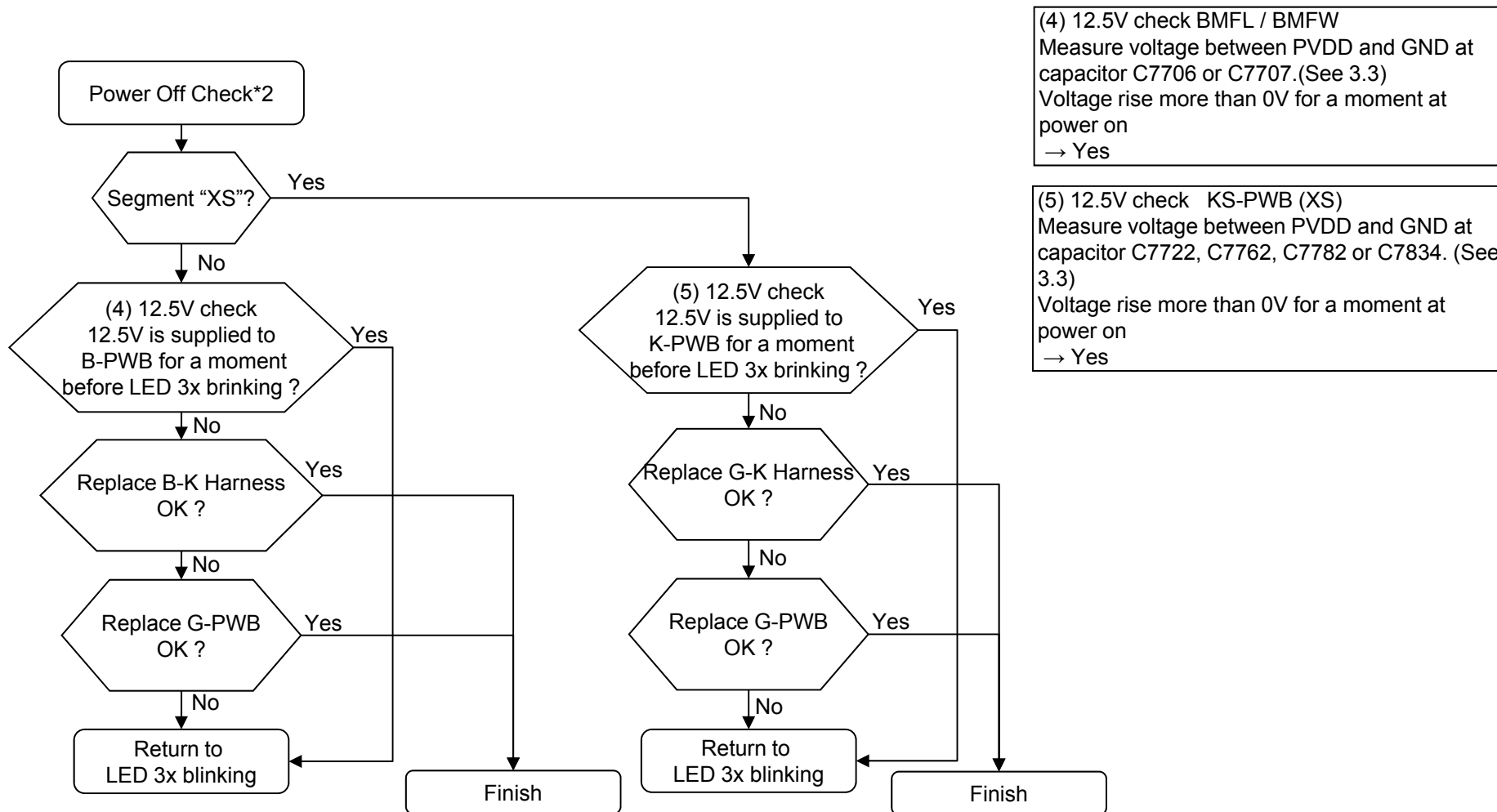
(1) PVDD-GND short check  
Measure impedance between PVDD and GND at C7722, C7762, C7782, C7834.  
If impedance is  $<100\Omega$  → NG

(2) LDO out short check  
Measure impedance between +3.3V and GND at C7909.  
If impedance is  $<100\Omega$  → NG

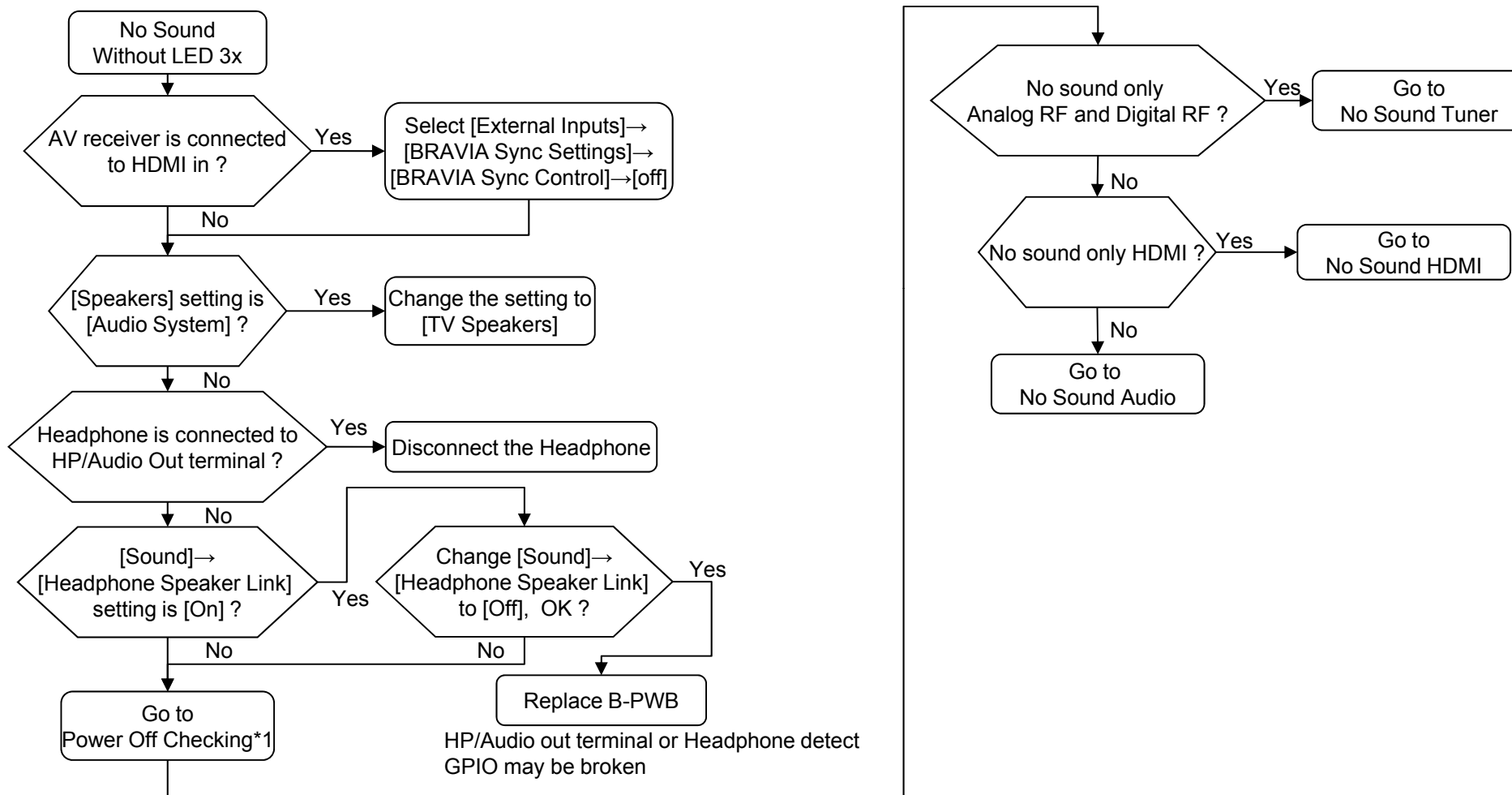
(3) Fuse open check  
Measure impedance of fuse  
F7702, F7704, F7705, F7701 5A (12.5V)  
F7700 3.15A (DDC5V)  
If fuse open → NG



## 2) Power Off Checking\*2

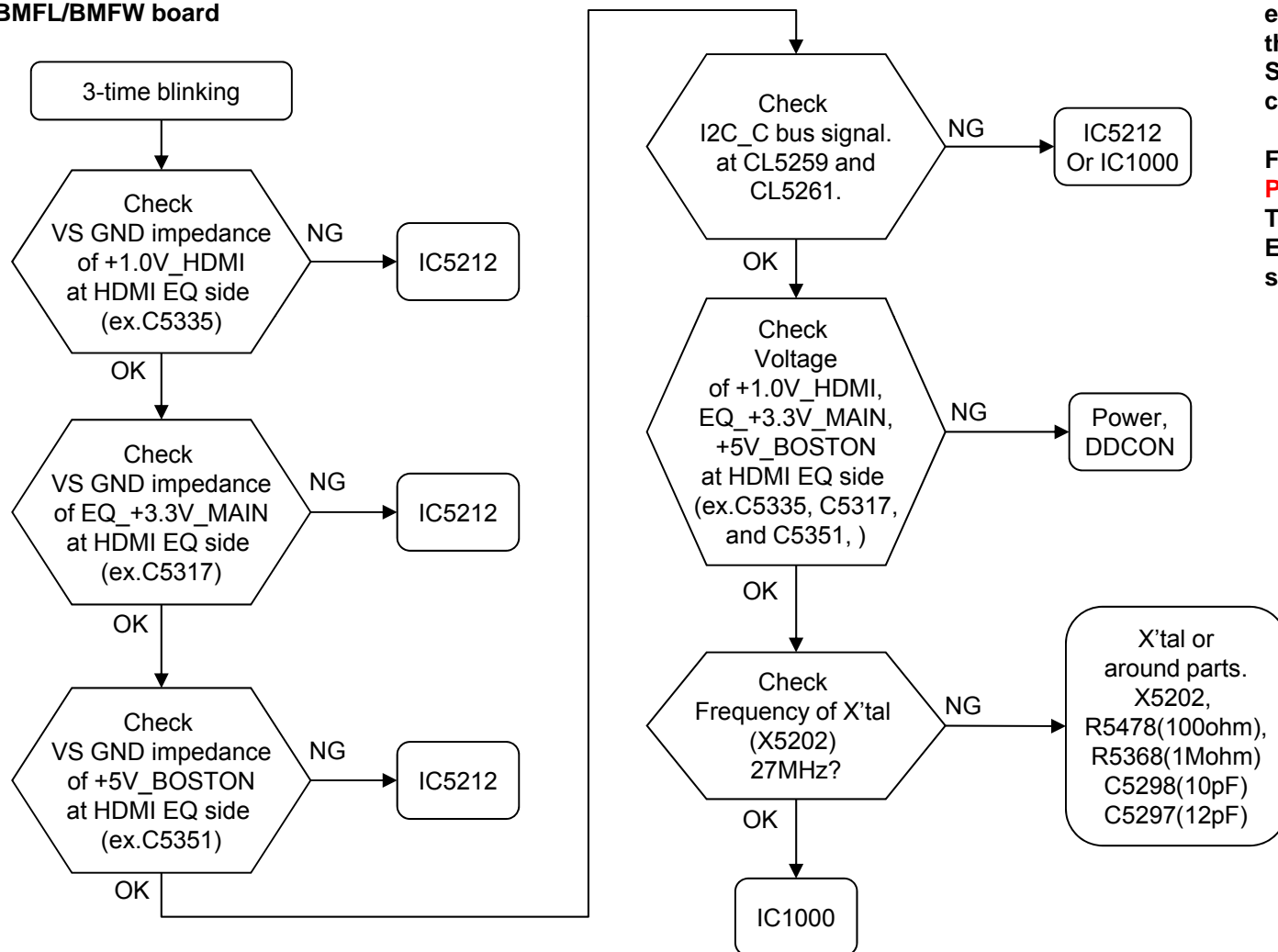


## 3) Power Off Checking\*3



## 3-3-4. 3 Times Blinking (HDMI EQ Error)

## BMFL/BMFW board



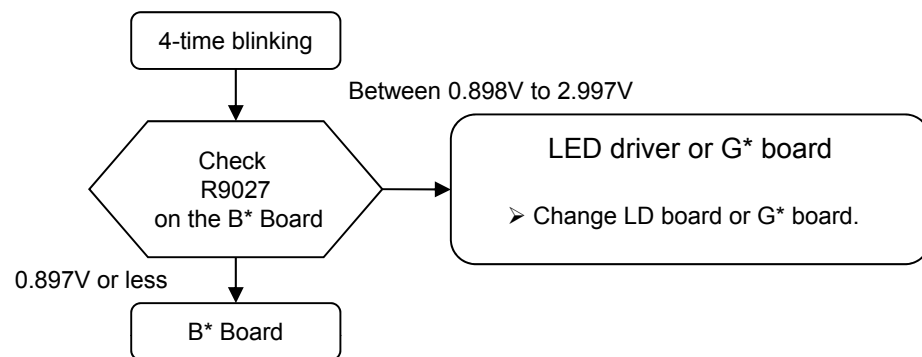
This 3 times blinking function for HDMI EQ error has been disabled for the SW later than PKG2179.

So, for the above applicable models, you can ignore this flow.

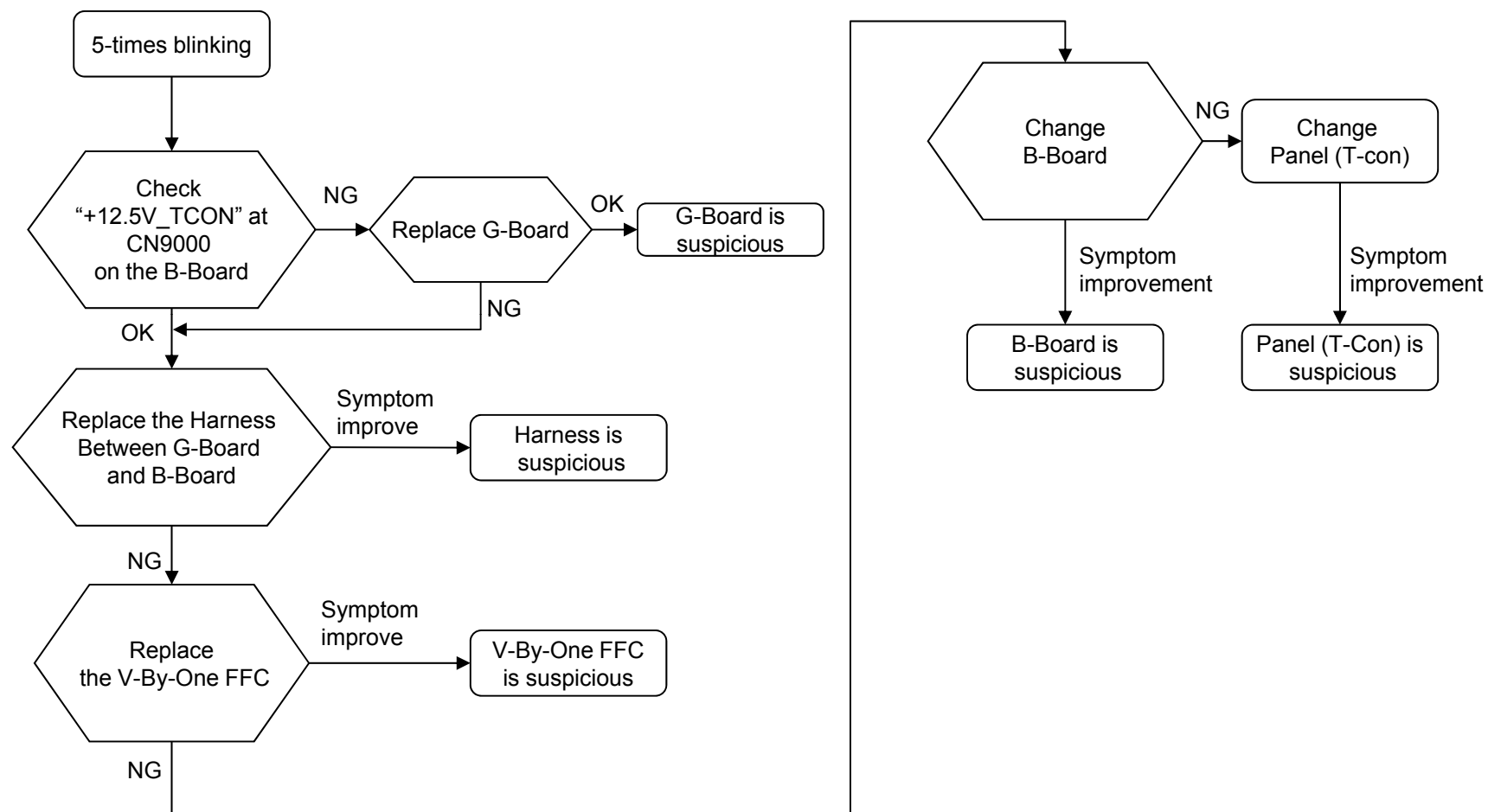
For those models with the SW before **PKG2073**.

This 3 times blinking function for HDMI EQ error has been enabled except for the sets with the SW updated by OTA.

### 3-3-5. 4 Times Blinking (LED Voltage Error)

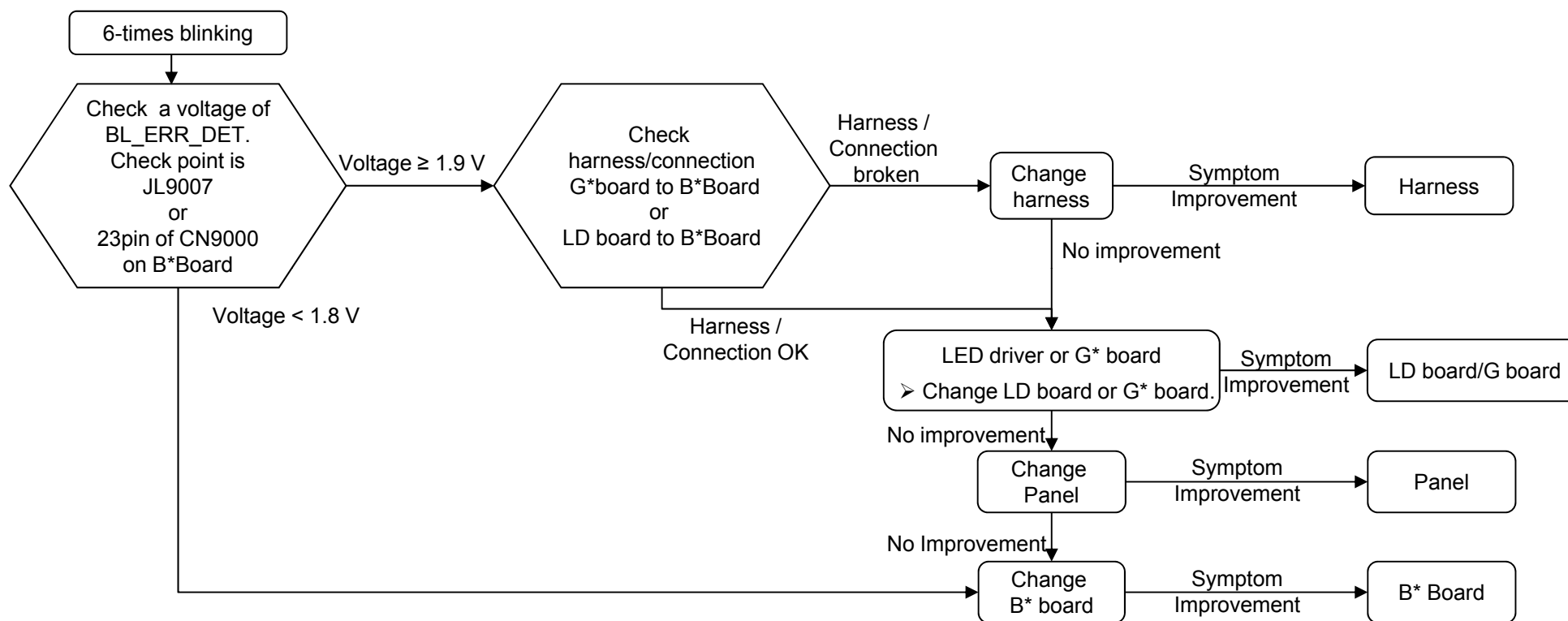


## 3-3-6. 5 Times Blinking (Panel Communication Error)

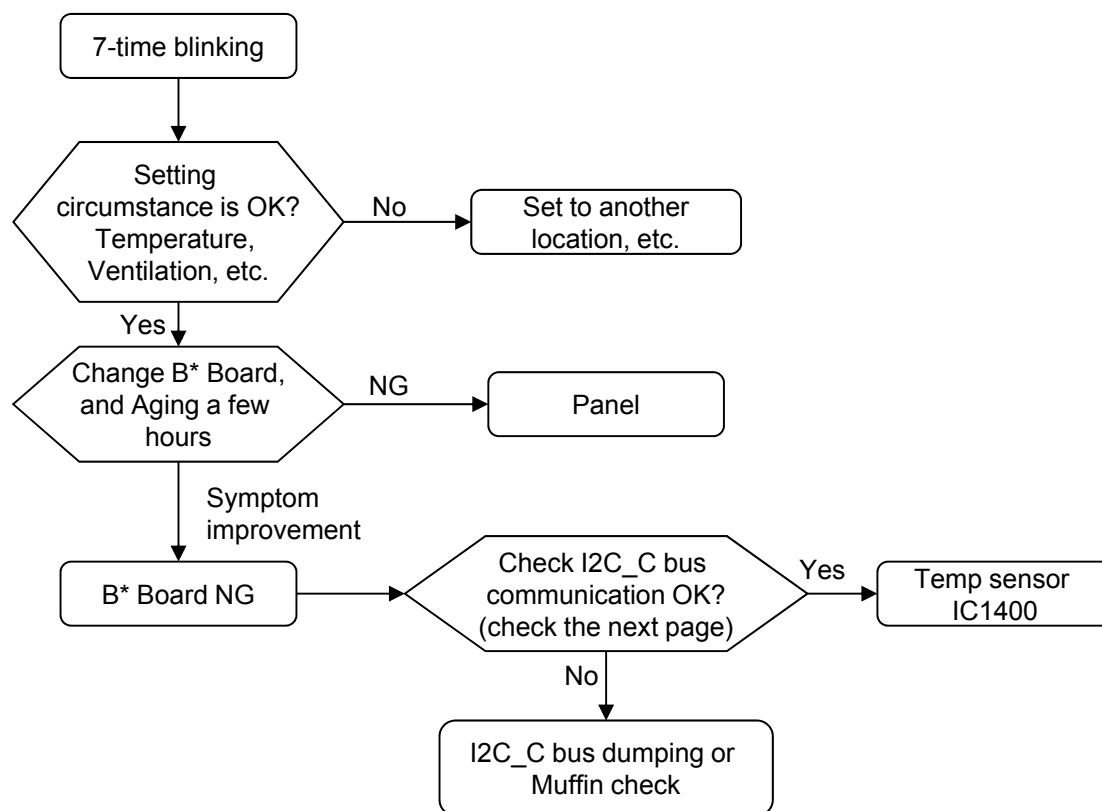




## 3-3-7. 6 Times Blinking (Backlight Error)

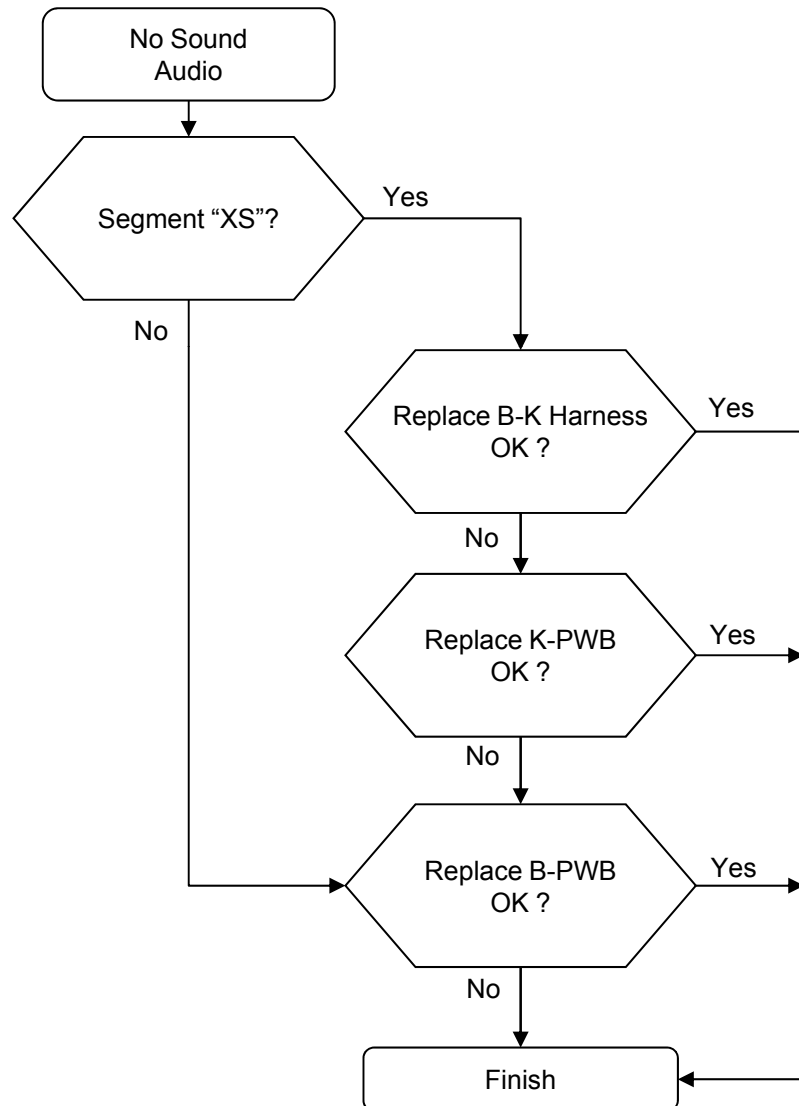


## 3-3-8. 7 Times Blinking (Temperature Error)

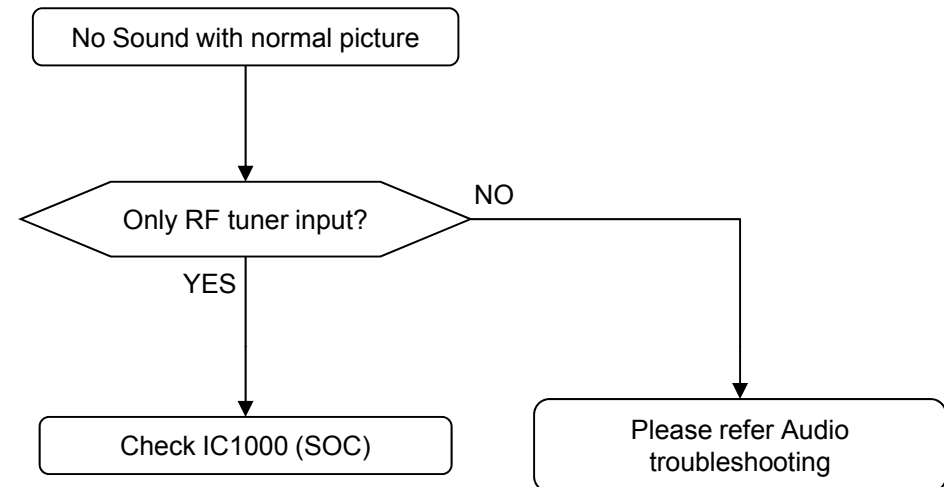


### 3-4. NO SOUND

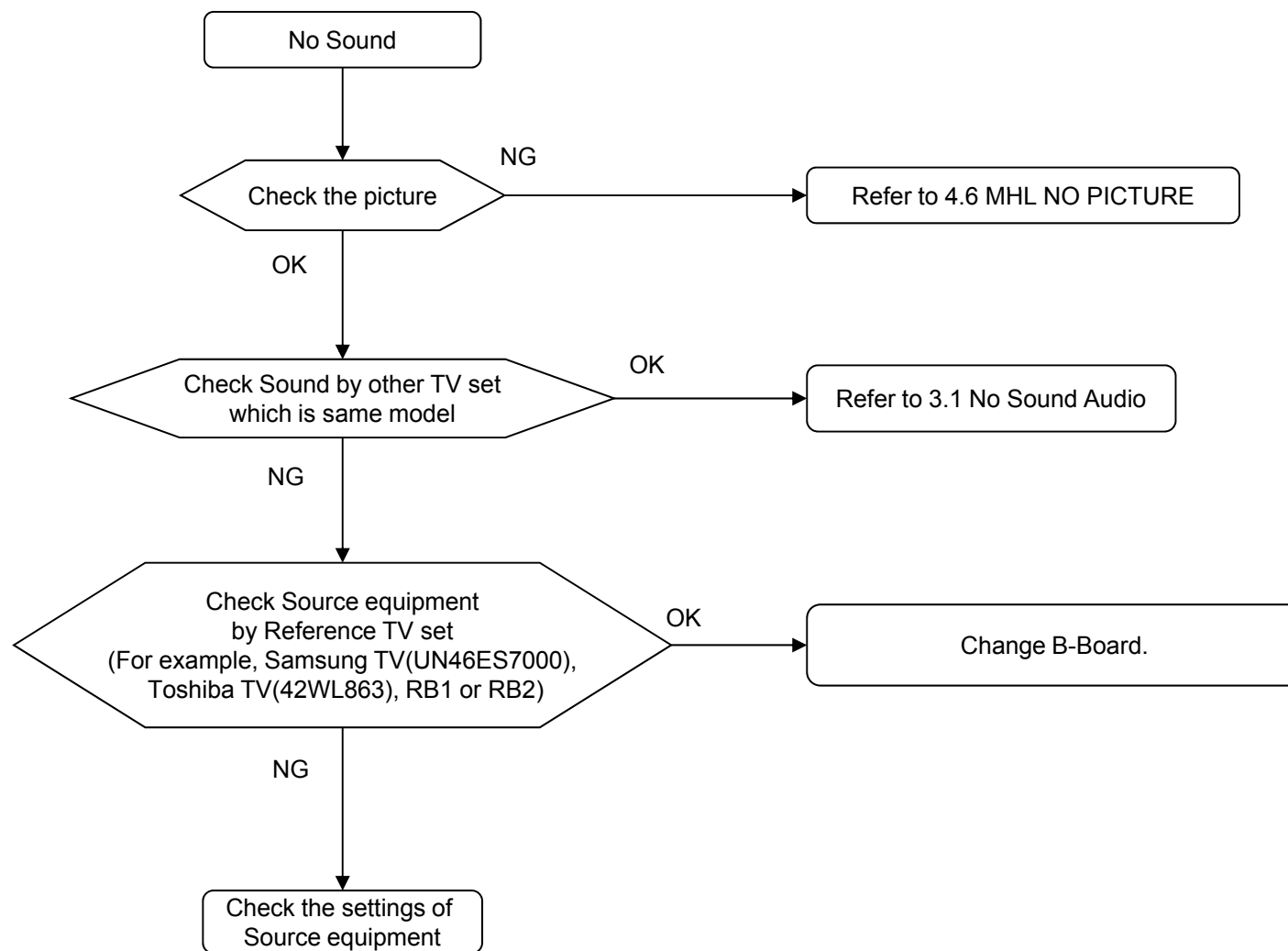
#### 3-4-1. No Sound Audio



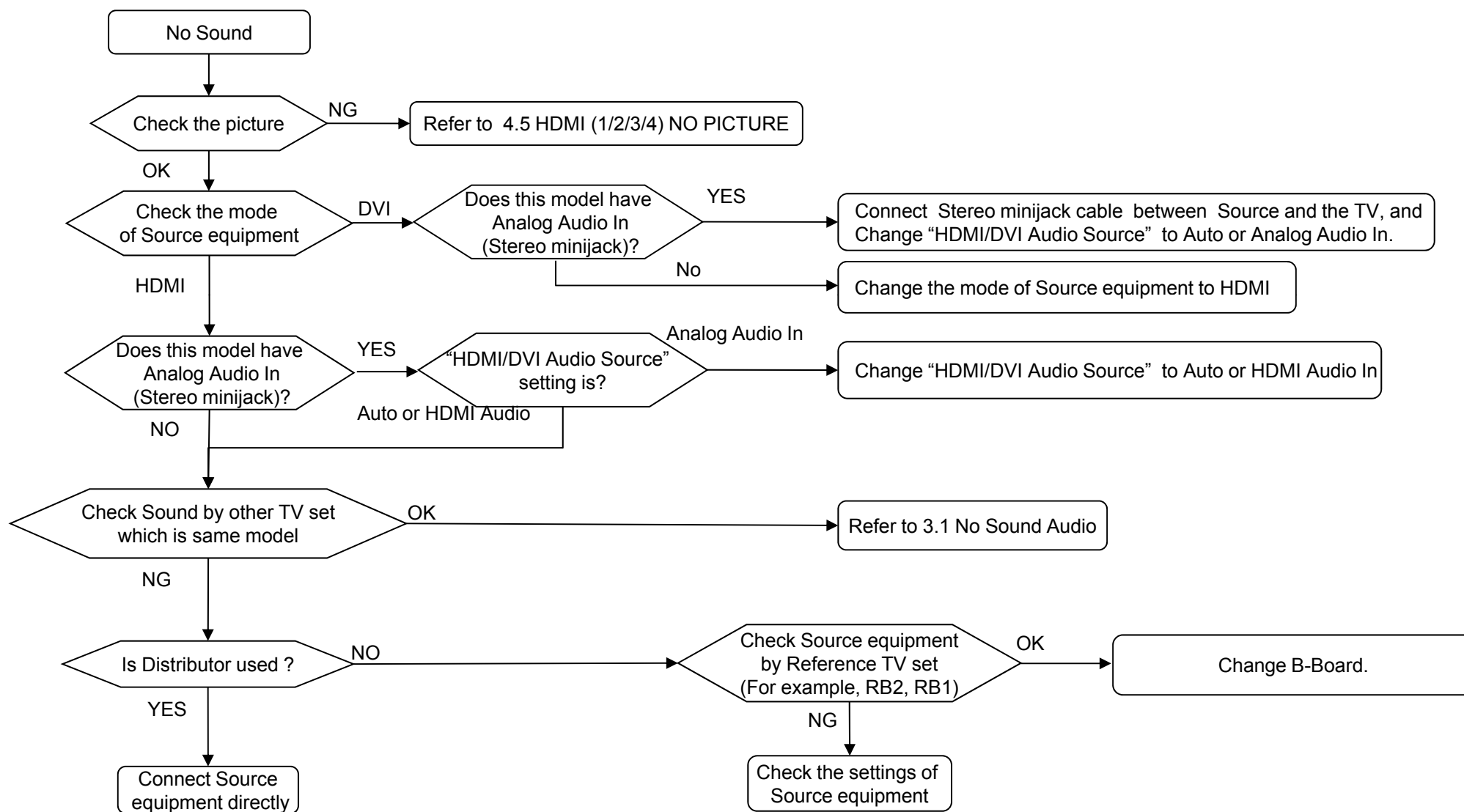
#### 3-4-2. No Sound : TUNER



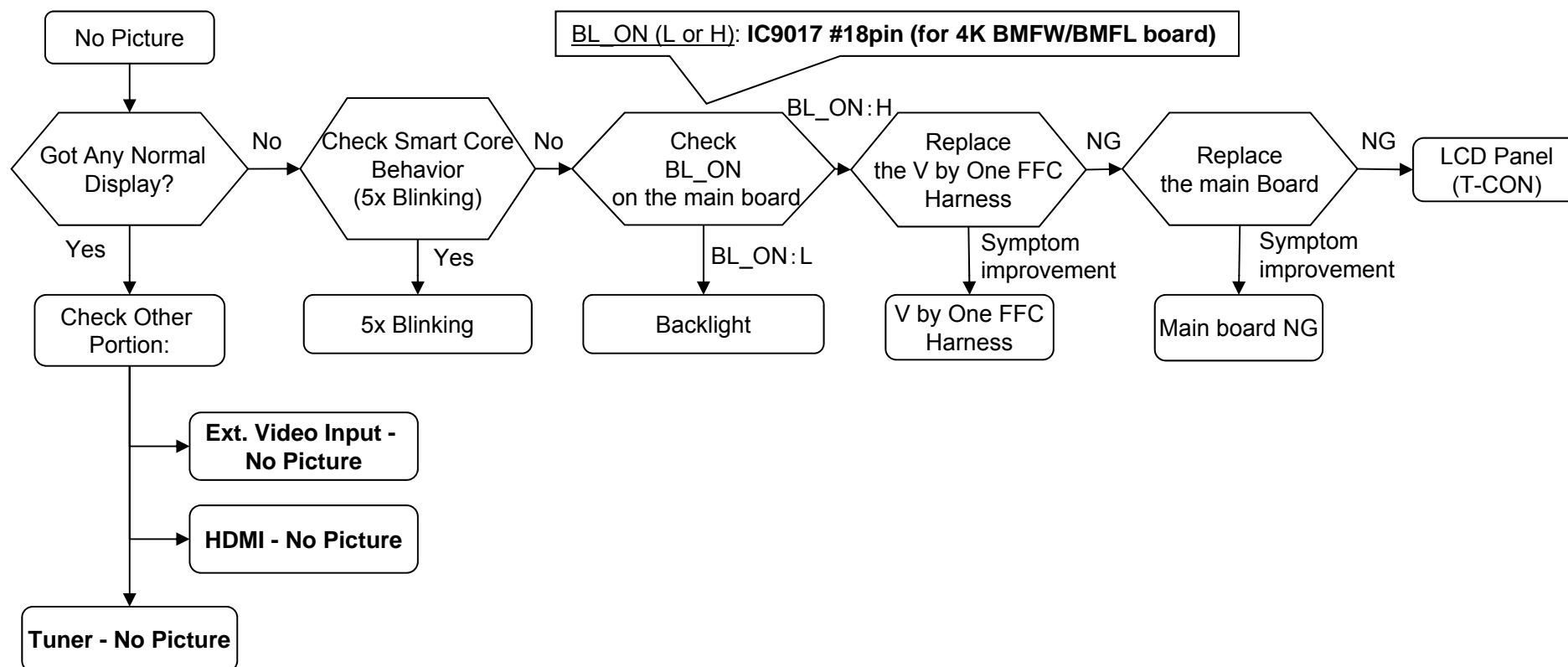
## 3-4-3. No Sound : MHL



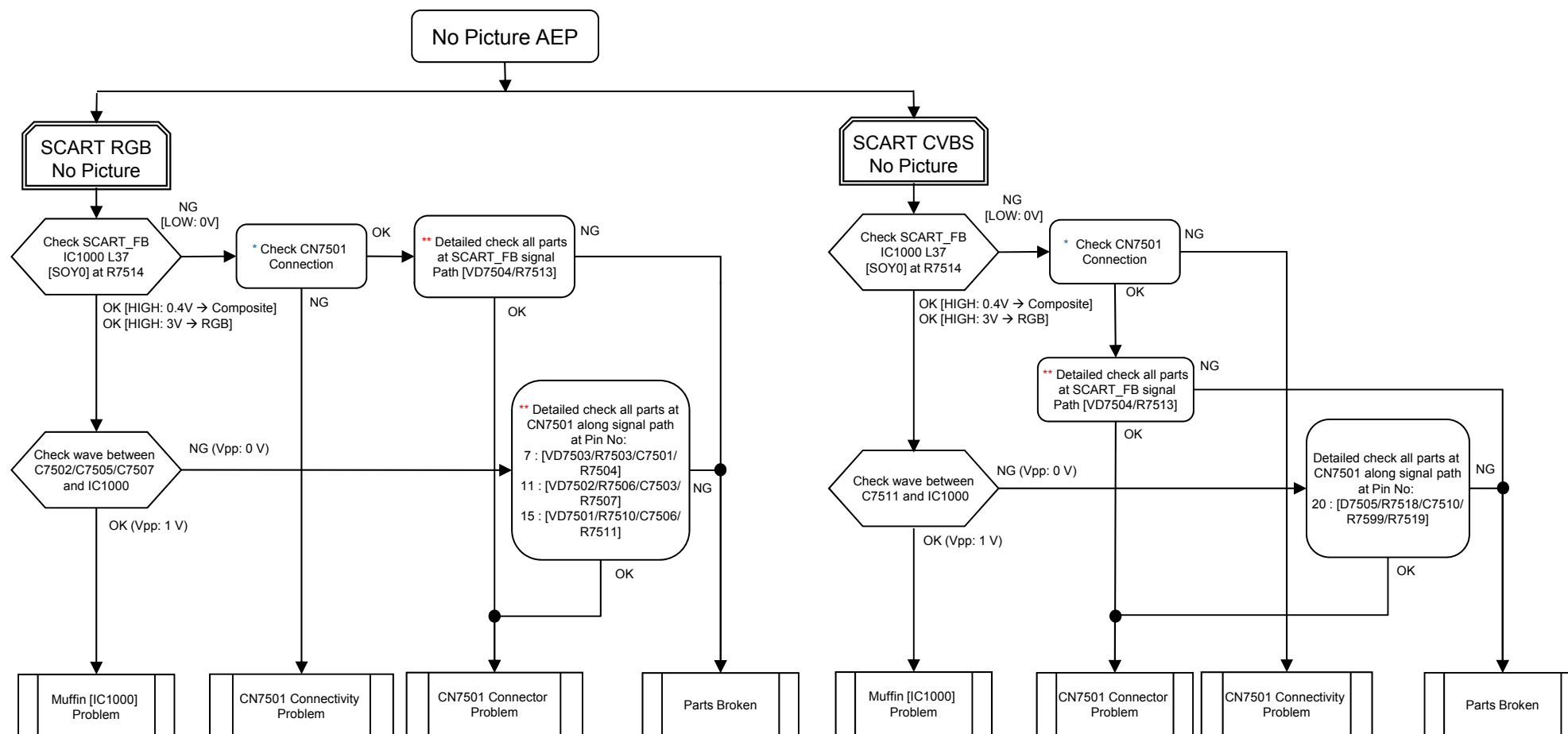
## 3-4-4. No Sound : HDMI 1/2/3/4



## 3-5. NO PICTURE



## 3-5-1. No Picture AEP Destination (BMFL/BMFW) SCART



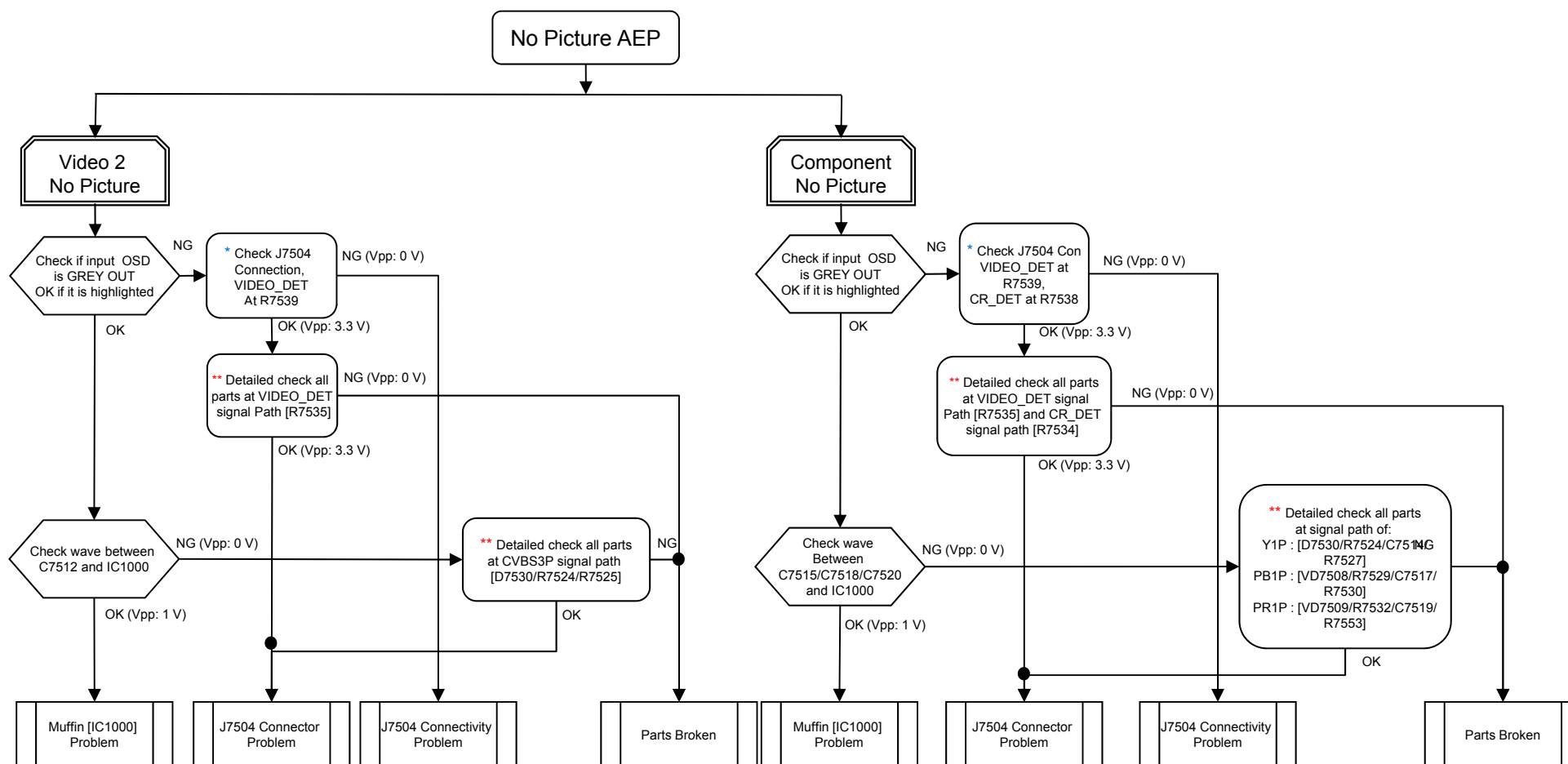
[All voltage measurement using Oscilloscope]

\* → OK Condition : No solder splash can be seen  
→ NG Condition : Solder splash can be seen

\*\* → OK Condition : No part short-circuited  
→ NG Condition : Part short-circuited



## 3-5-2. No Picture AEP Destination (BMFL/BMFW) VIDEO

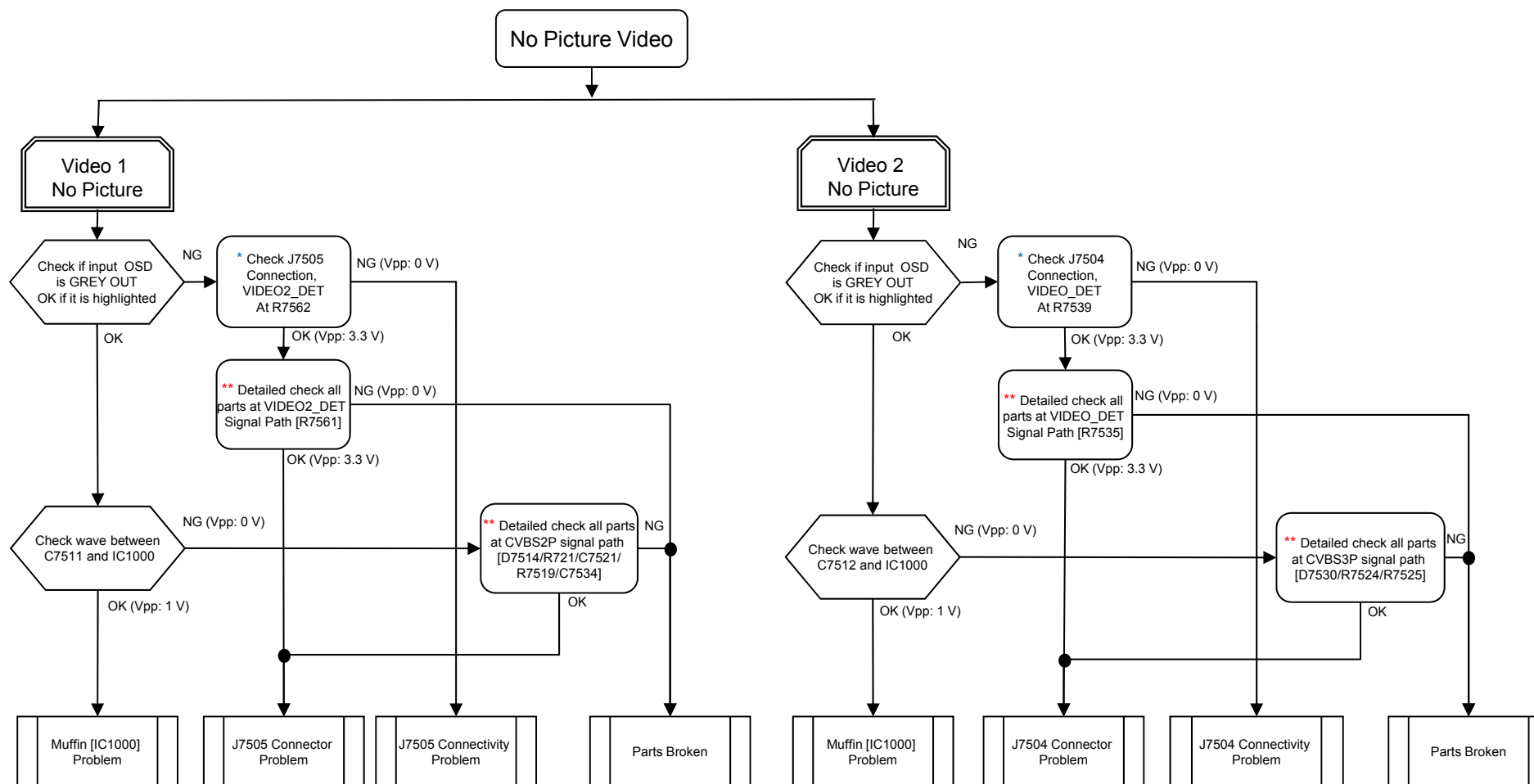


[All voltage measurement using Oscilloscope]

\* → OK Condition : No solder splash can be seen  
→ NG Condition : Solder splash can be seen

\*\* → OK Condition : No part short-circuited  
→ NG Condition : Part short-circuited

## 3-5-3. No Picture CH/MX/PA/COL/LA (BMFL/BMFW)

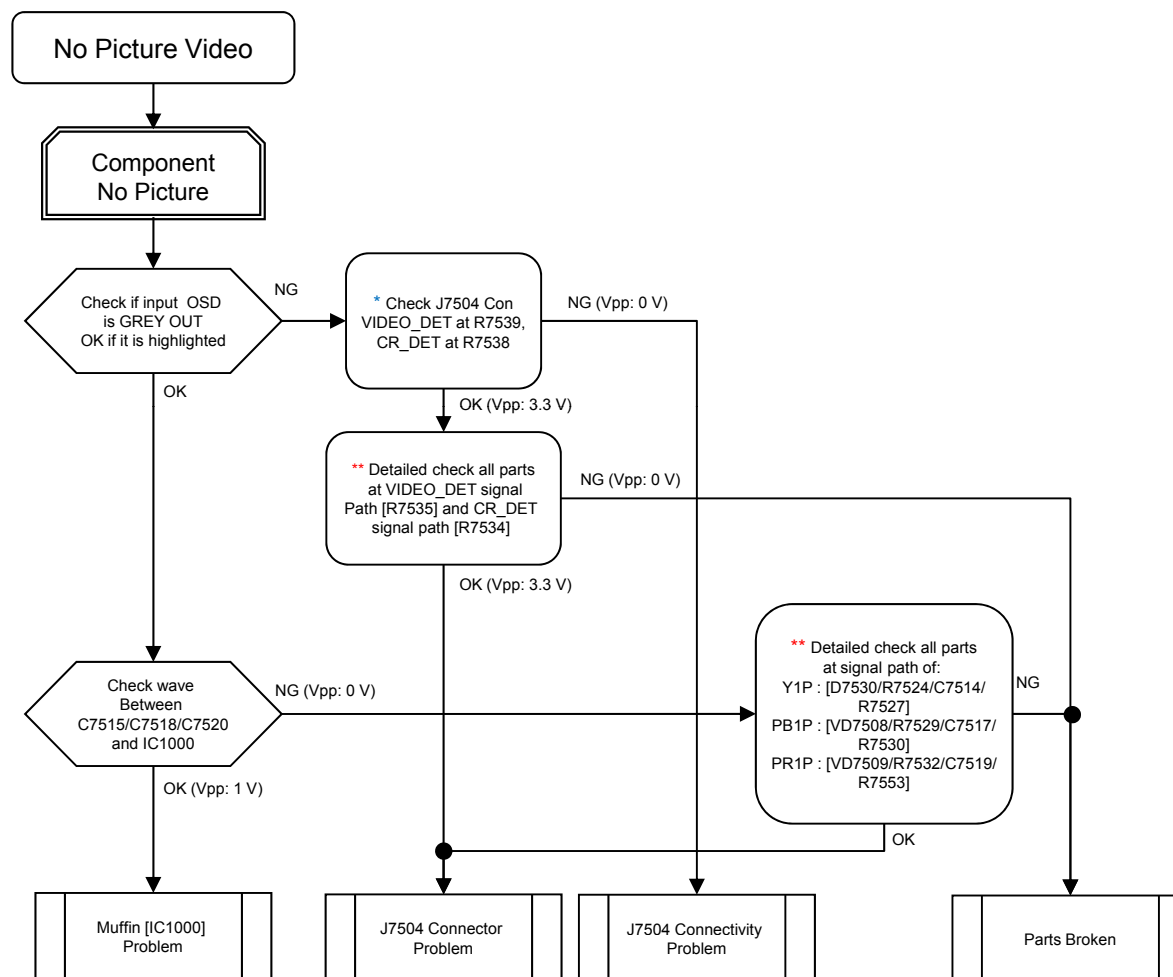


[All voltage measurement using Oscilloscope]

\* → OK Condition : No solder splash can be seen  
 → NG Condition : Solder splash can be seen

\*\* → OK Condition : No part short-circuited  
 → NG Condition : Part short-circuited

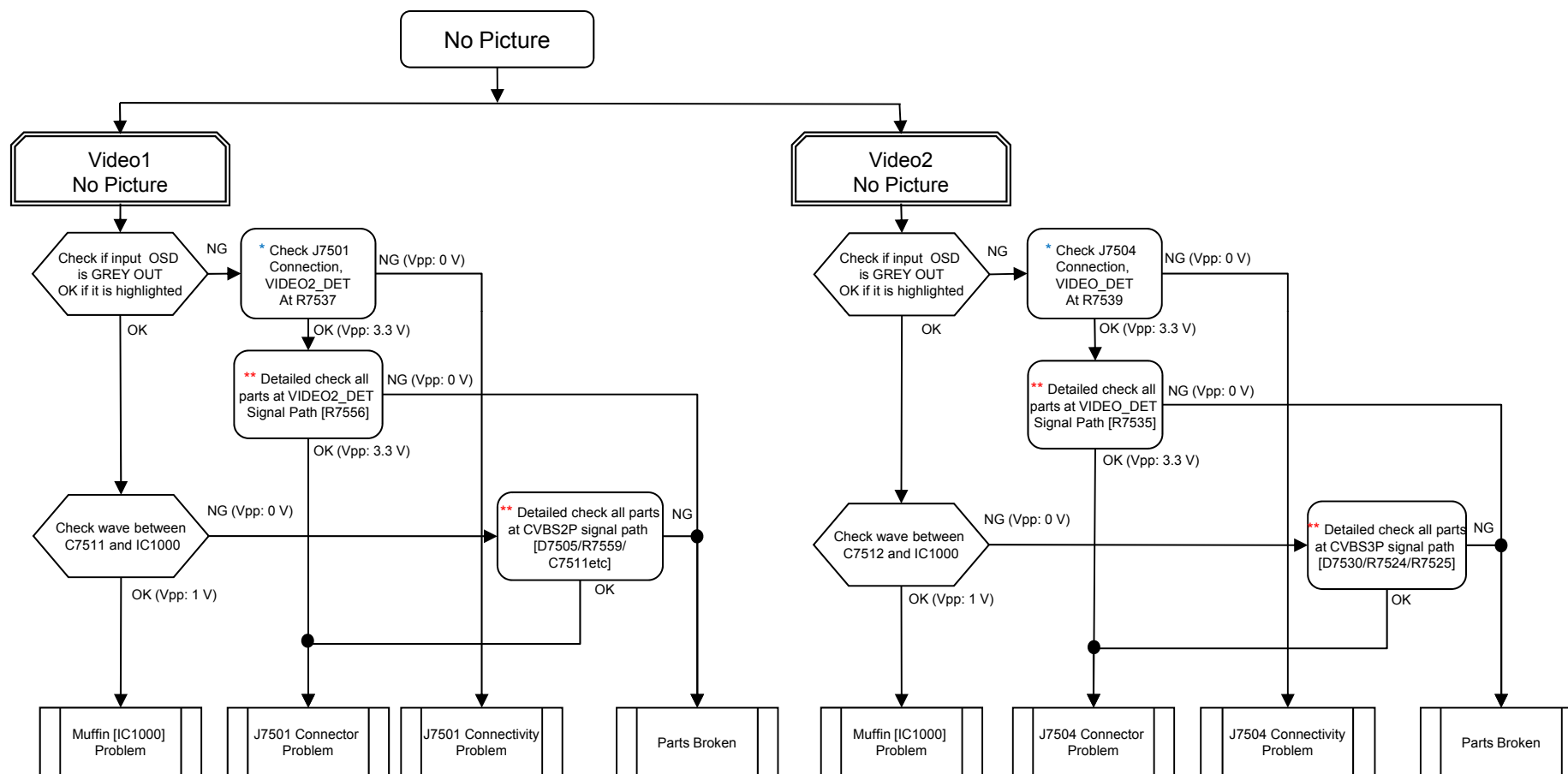
## 3-5-4. No Picture CH/MX/PA2/NZ/AUS/BR/COL/BR/UC/HK/TW (BMX)



\* → OK Condition : No solder splash can be seen  
→ NG Condition : Solder splash can be seen

\*\* → OK Condition : No part short-circuited  
→ NG Condition : Part short-circuited

## 3-5-5. No Picture J/UC/HK/TW Destination (BMFL/BMFW)

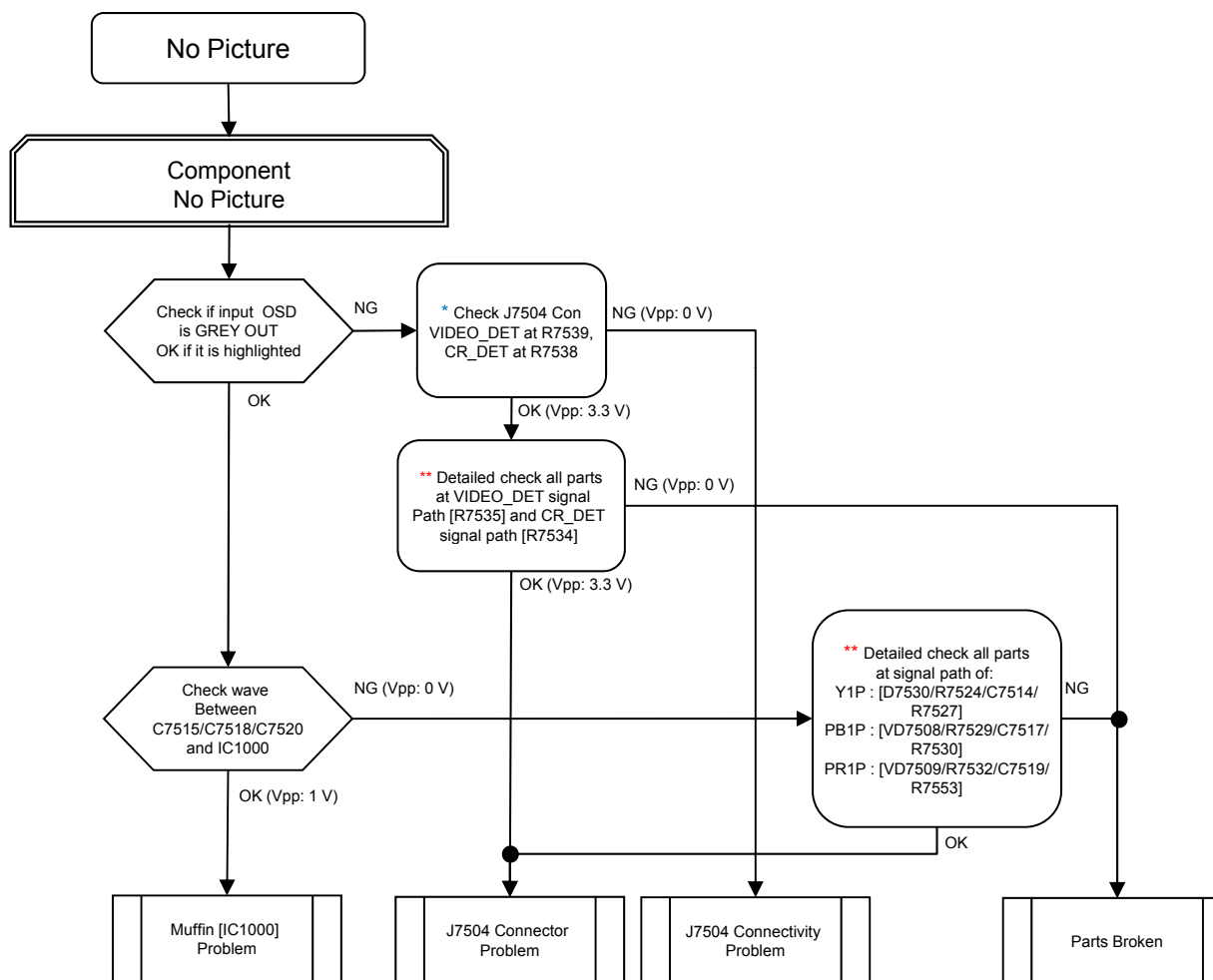


[All voltage measurement using Oscilloscope]

\* → OK Condition : No solder splash can be seen  
→ NG Condition : Solder splash can be seen

\*\* → OK Condition : No part short-circuited  
→ NG Condition : Part short-circuited

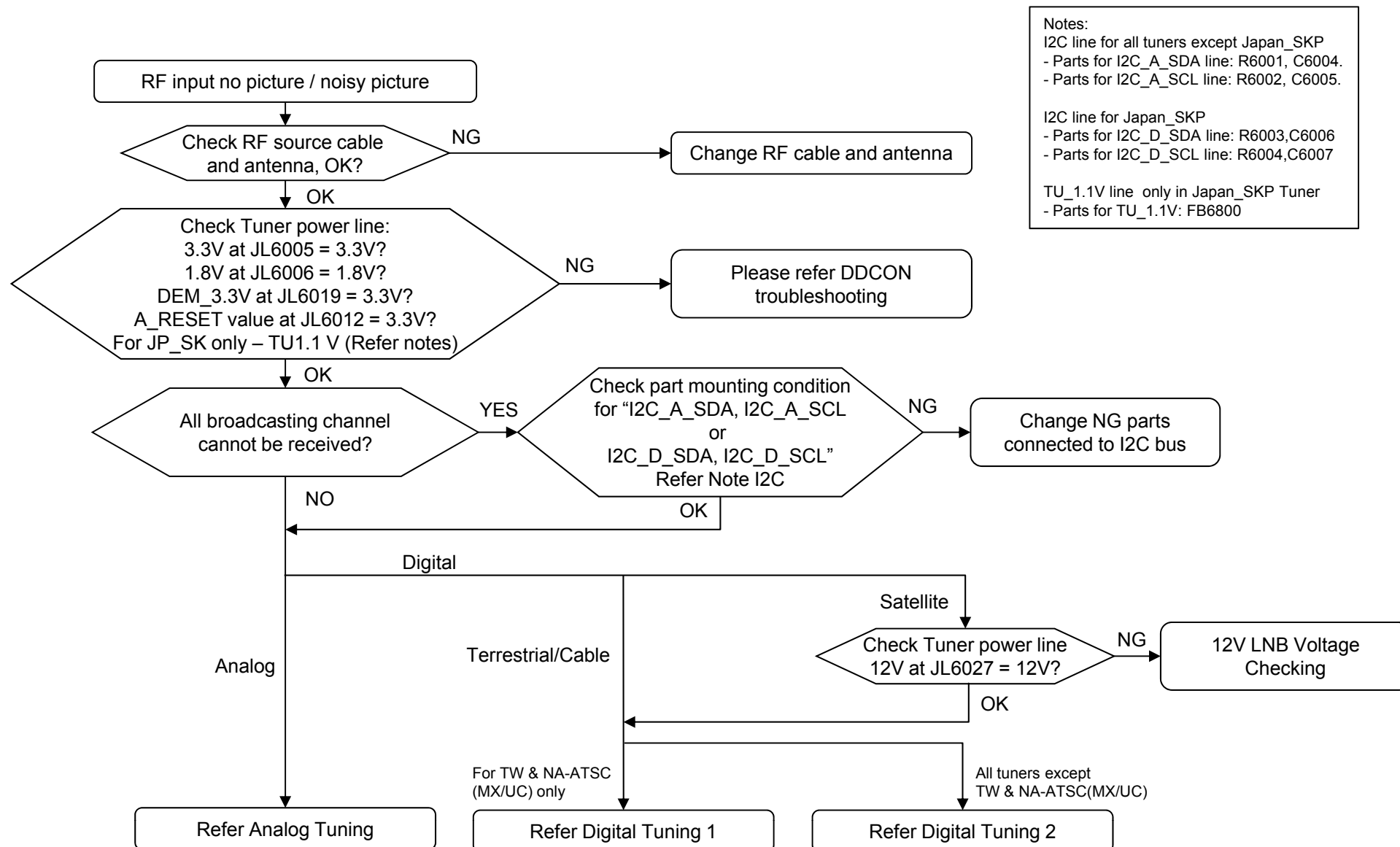
## 3-5-6. No Picture J/UC/HK/TW Destination (BMFL/BMFW)



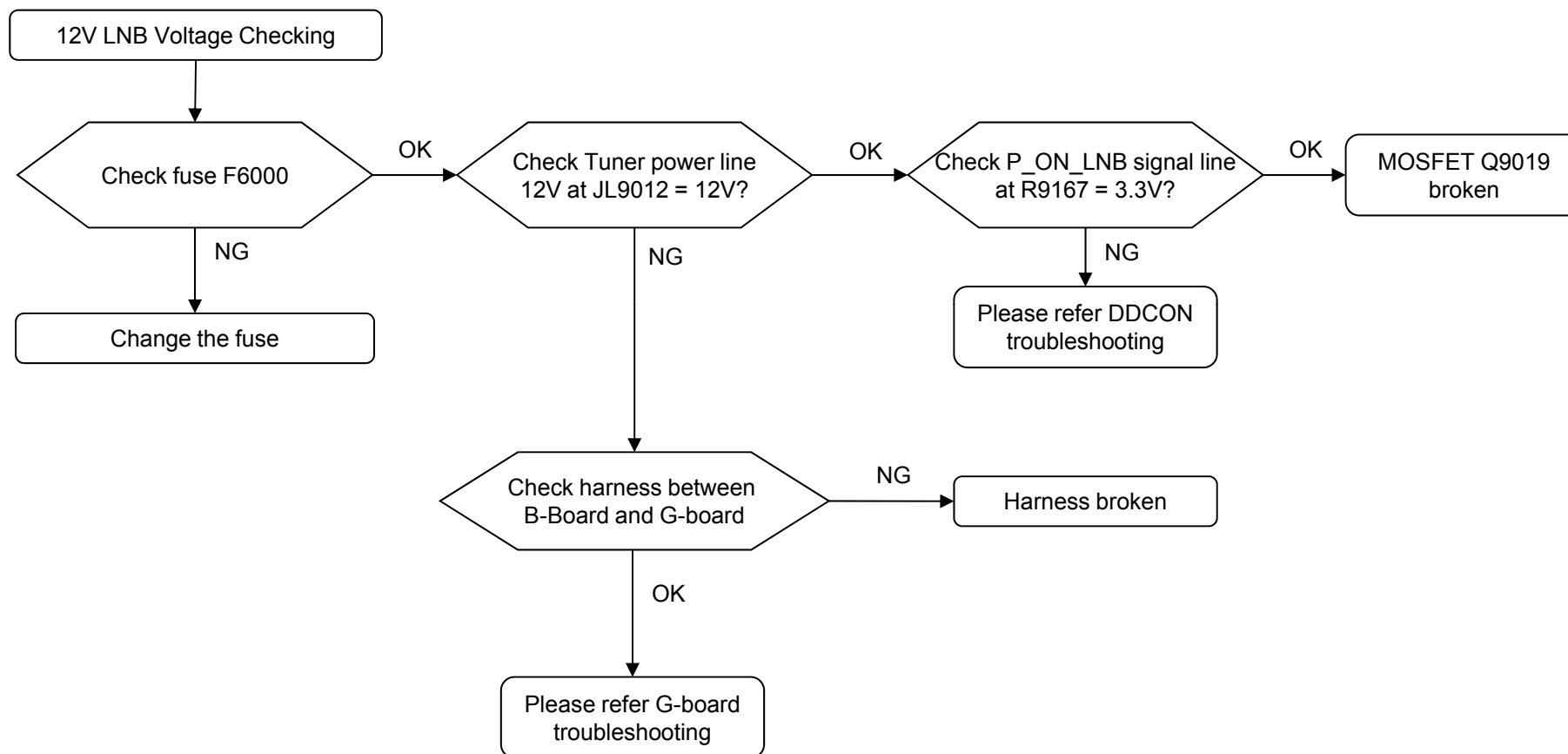
\* → OK Condition : No solder splash can be seen  
→ NG Condition : Solder splash can be seen

\*\* → OK Condition : No part short-circuited  
→ NG Condition : Part short-circuited

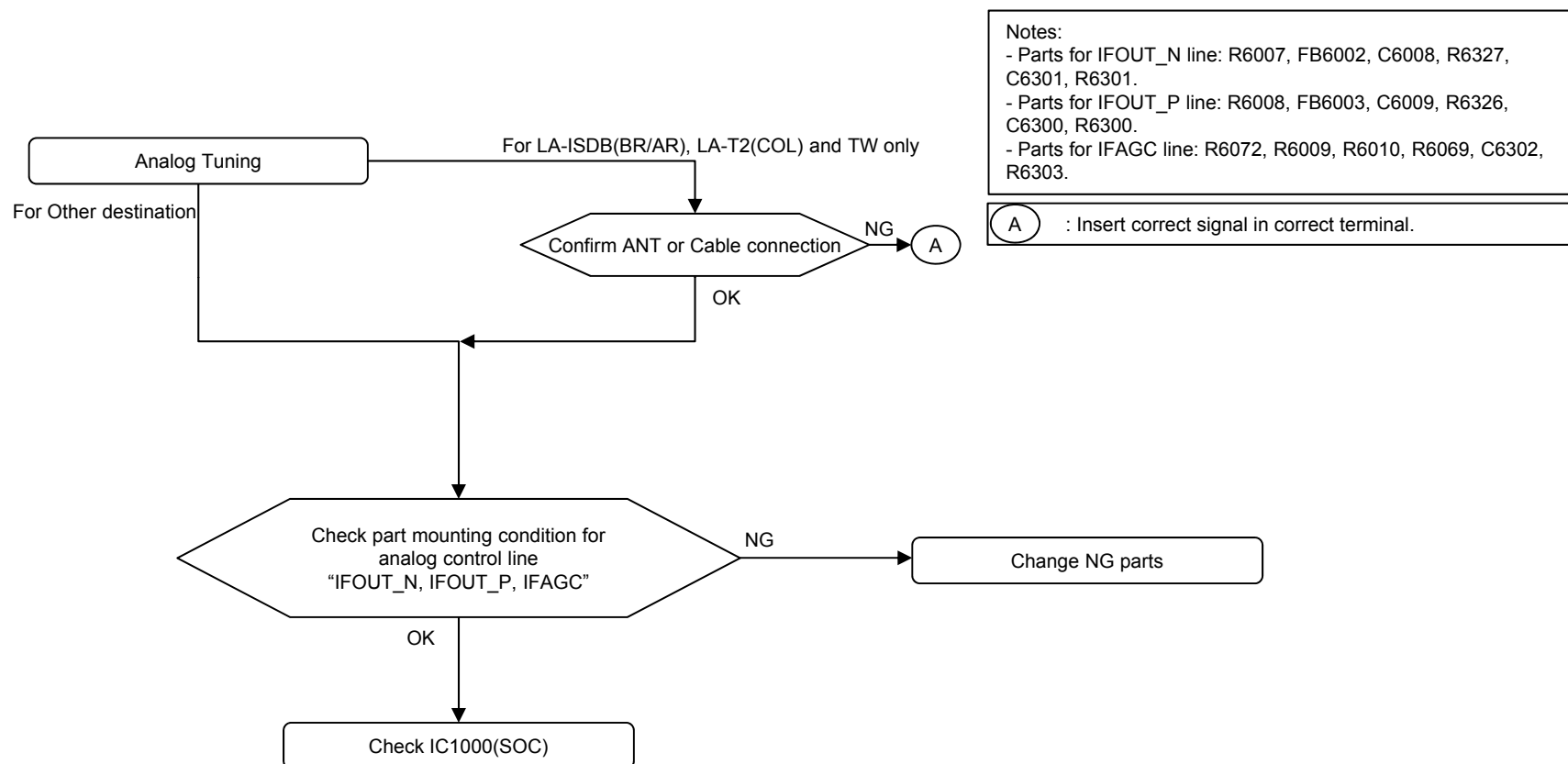
## 3-5-7. No Picture : @ Tuner



## 3-5-8. FOR 12V LNB Voltage Checking: @ AEP\_W and JP\_SKP

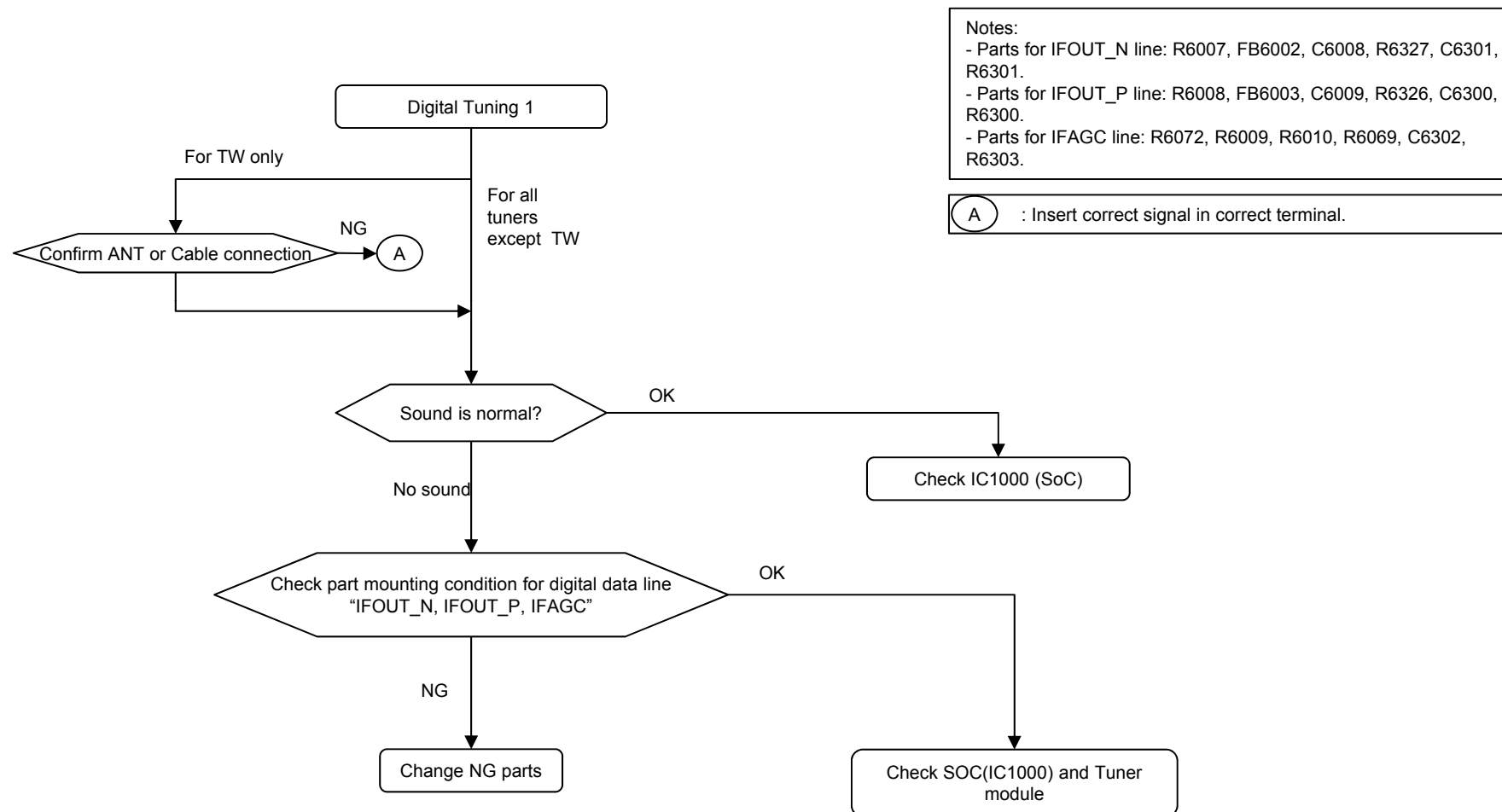


## 3-5-9. FOR ANALOG TUNING: @ All destination except JP

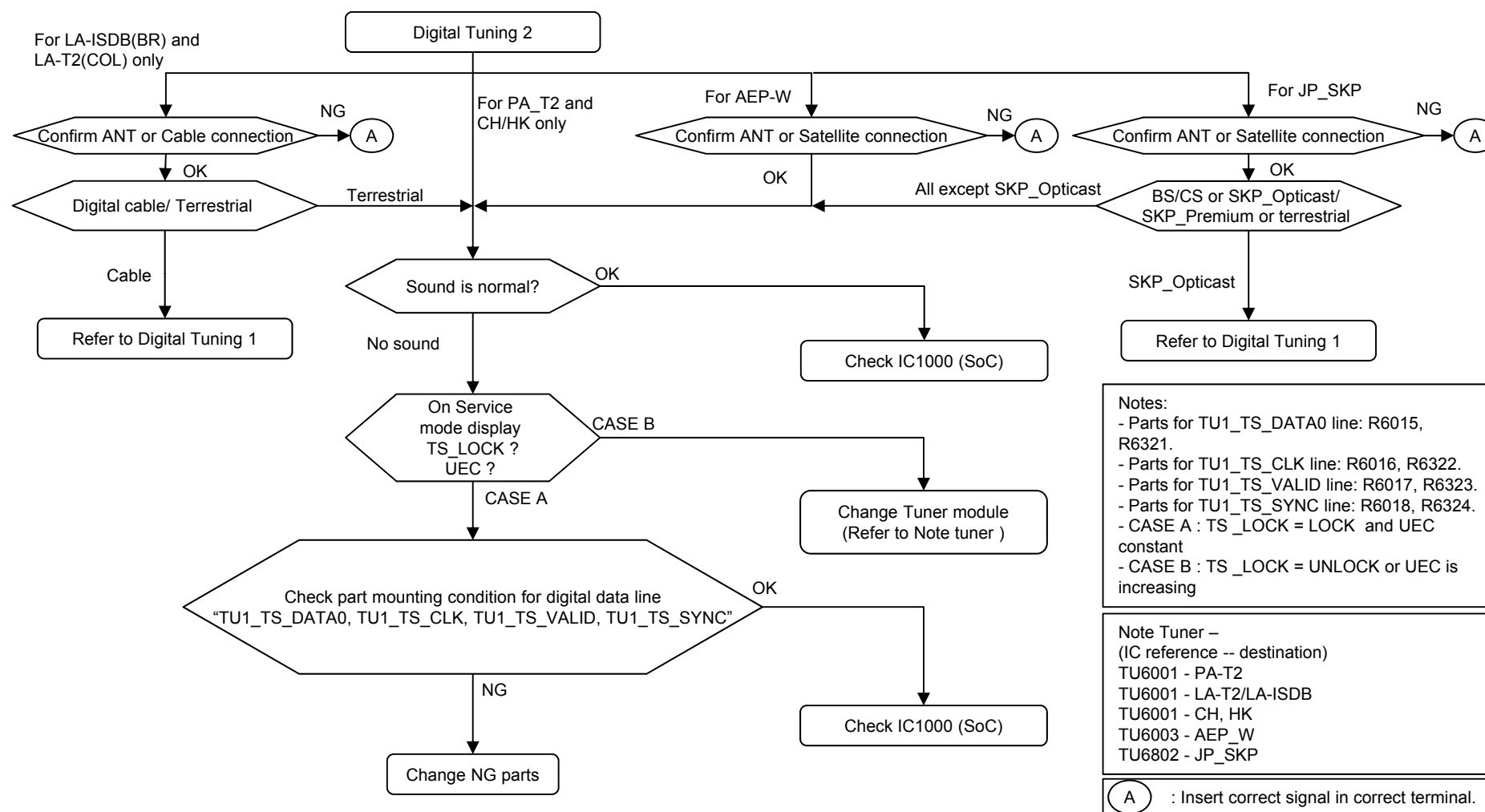




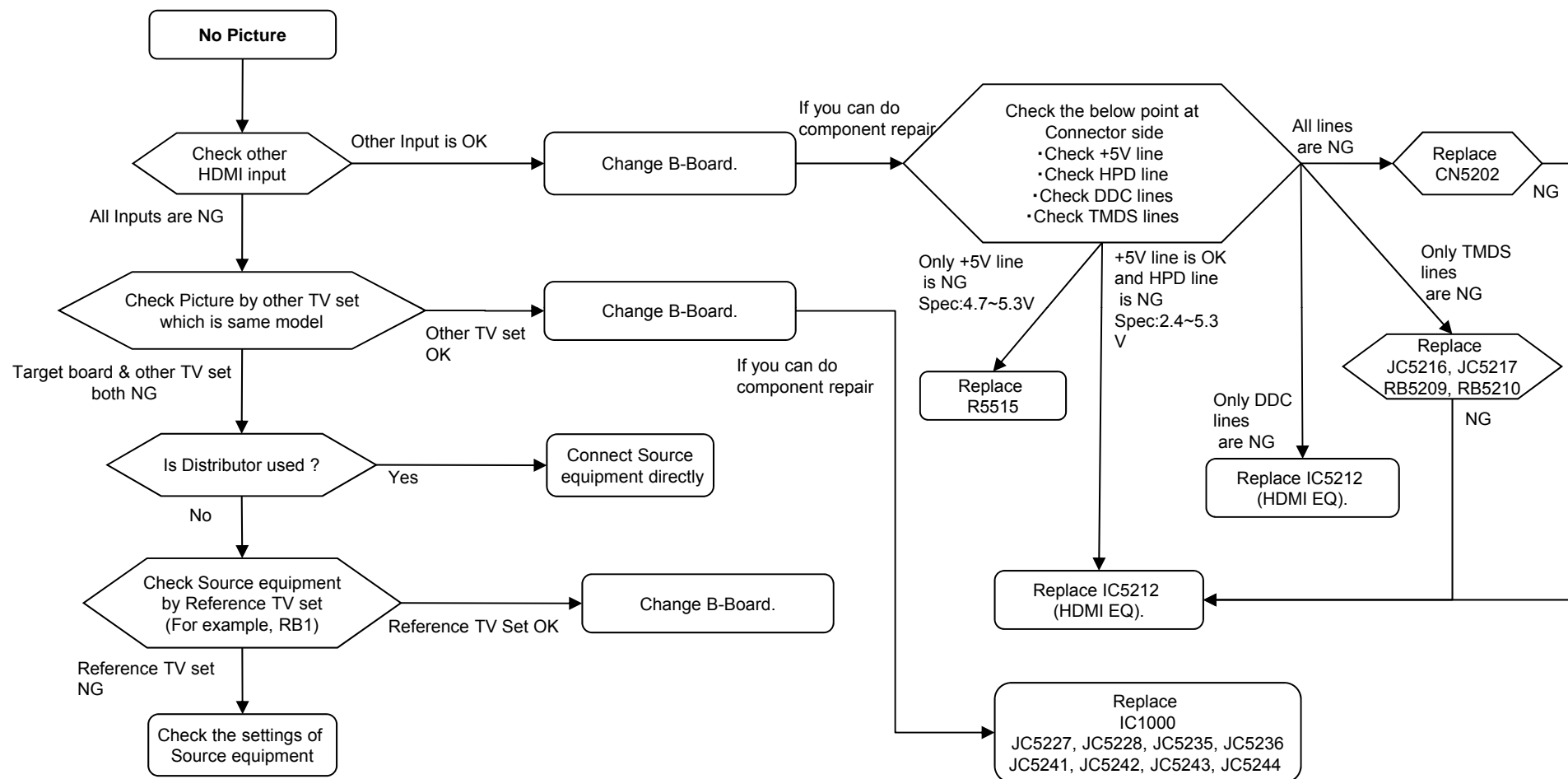
## 3-5-10. FOR DIGITAL TUNING 1: @ TW, NA-ATSC(MX/UC), JP\_SKP and LA-T2(COL)



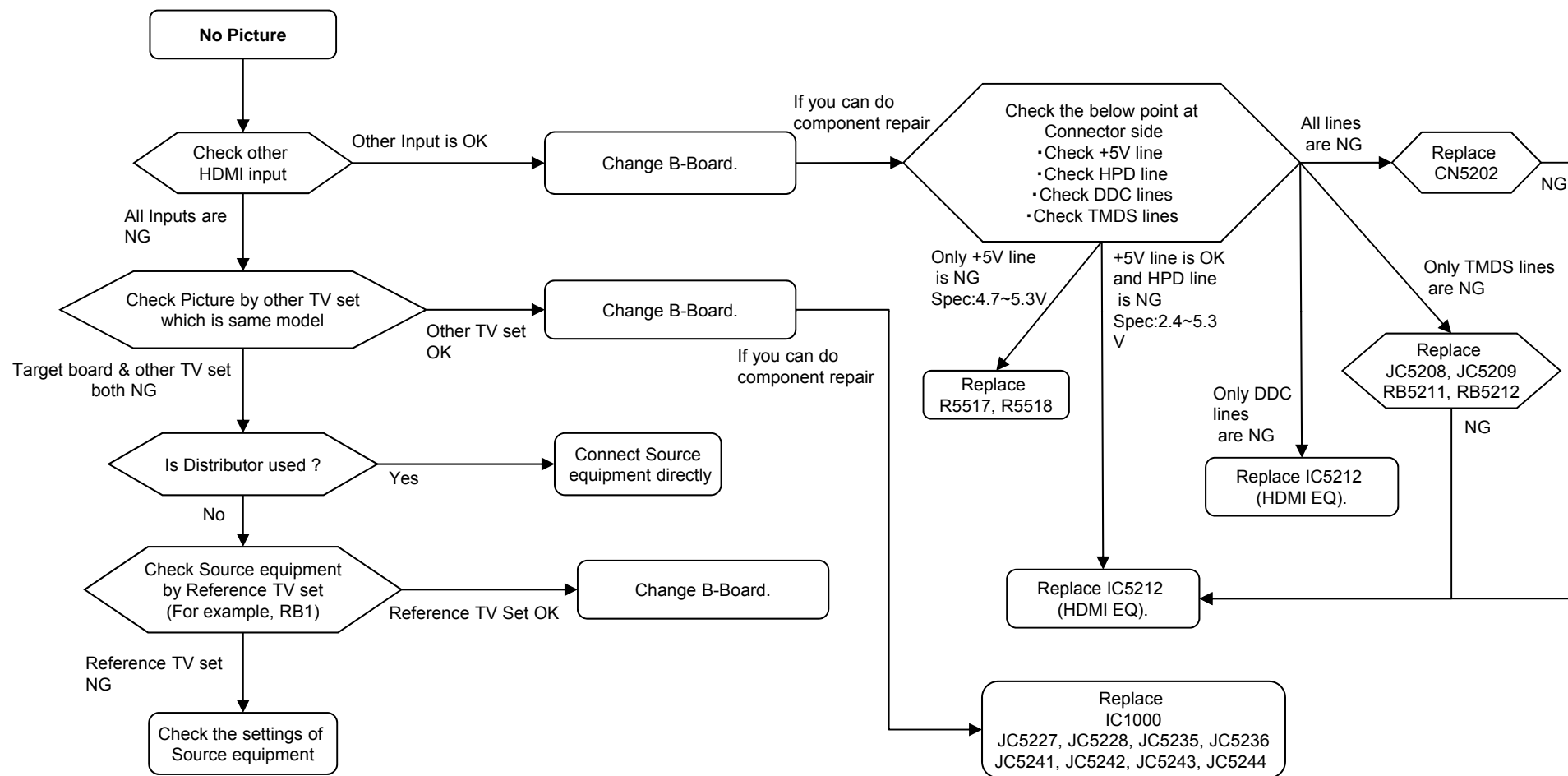
### 3-5-11. FOR DIGITAL TUNING 2: @ AEP\_W, JP\_SKP, PA\_T2, CH/HK, LA-ISDB(BR/AR) and LA-T2(COL)



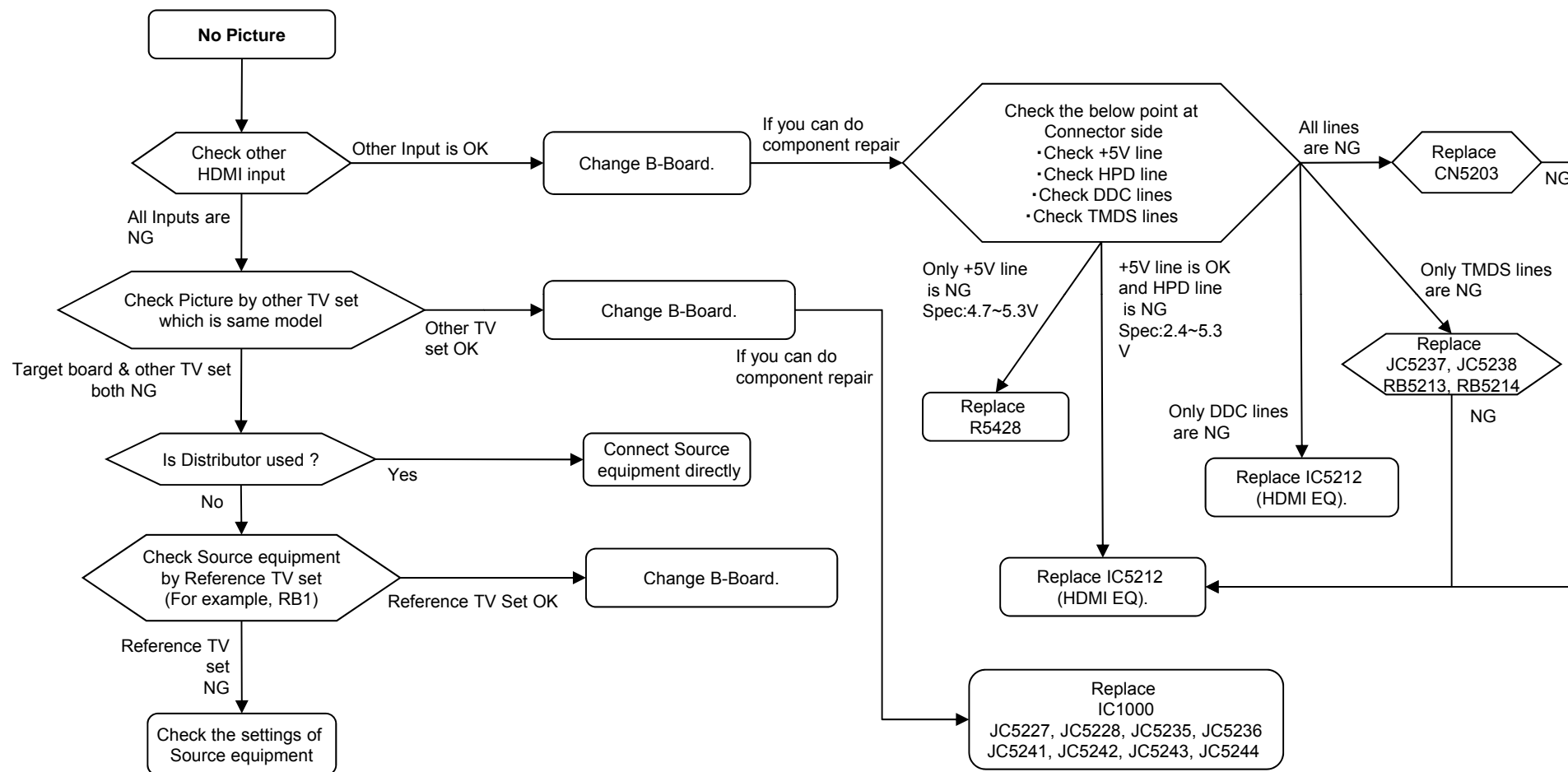
## 3-5-12. NO PICTURE: HDMI 1



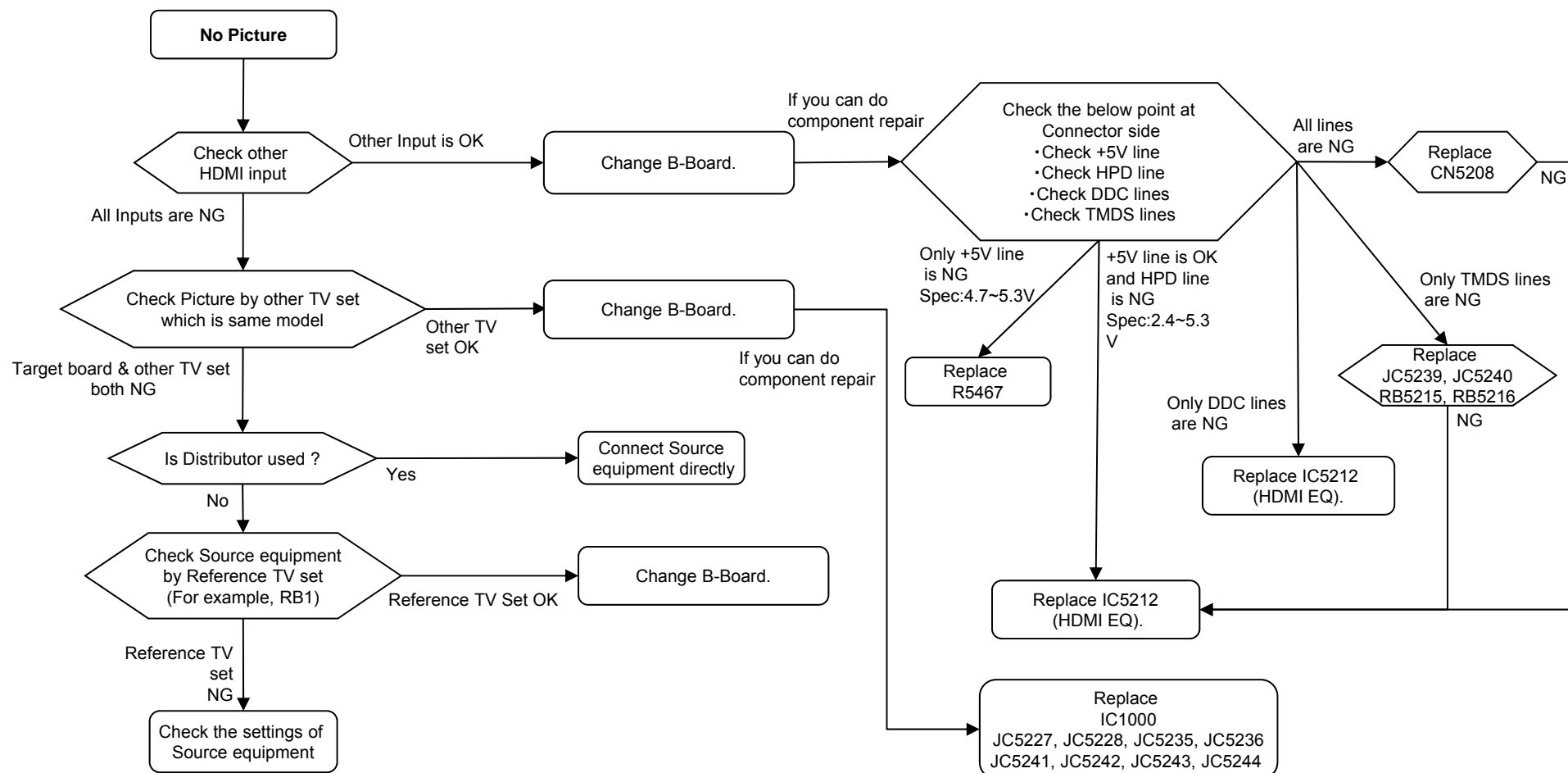
## 3-5-13. NO PICTURE: HDMI 2



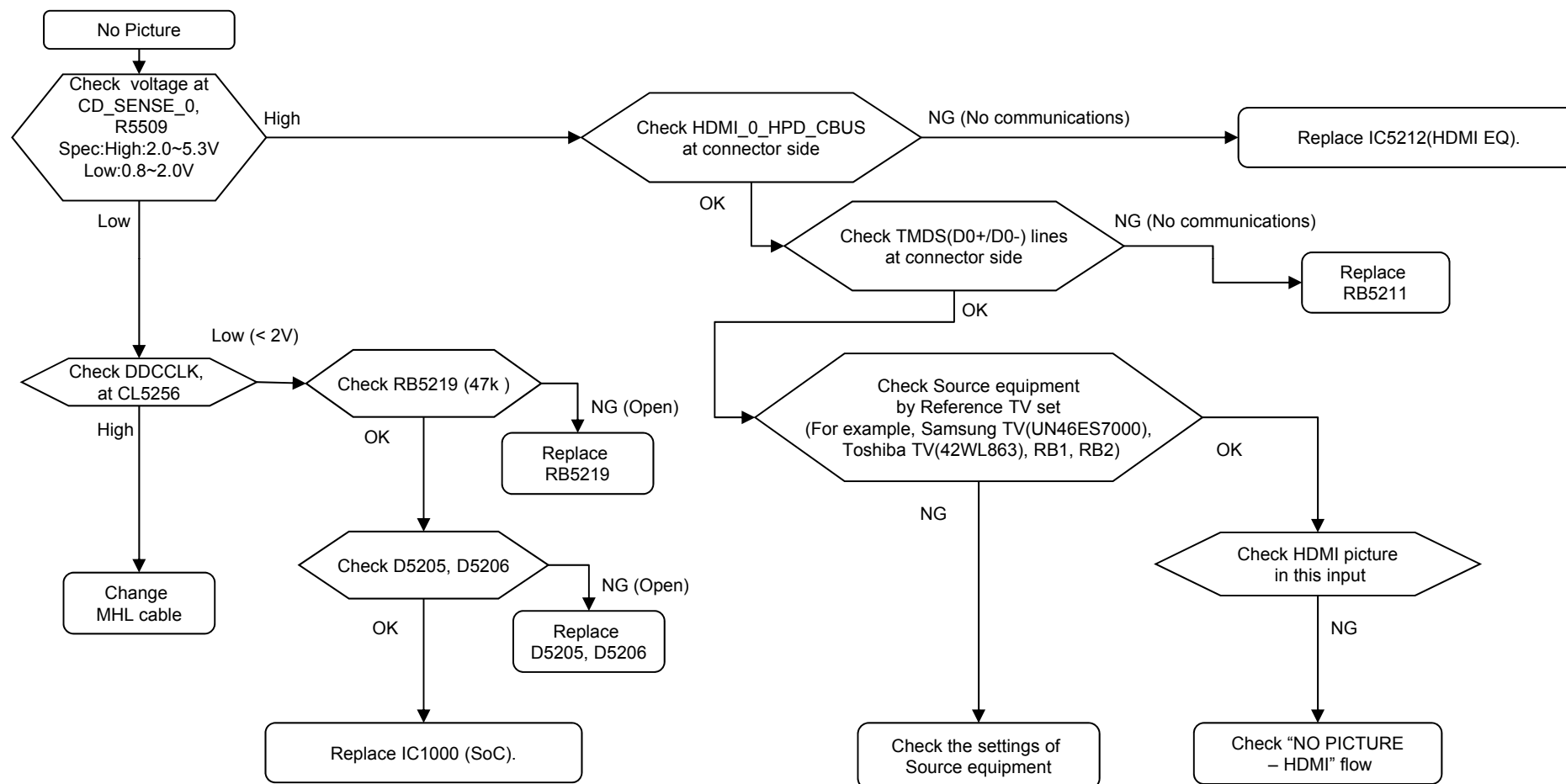
## 3-5-14. NO PICTURE: HDMI 3



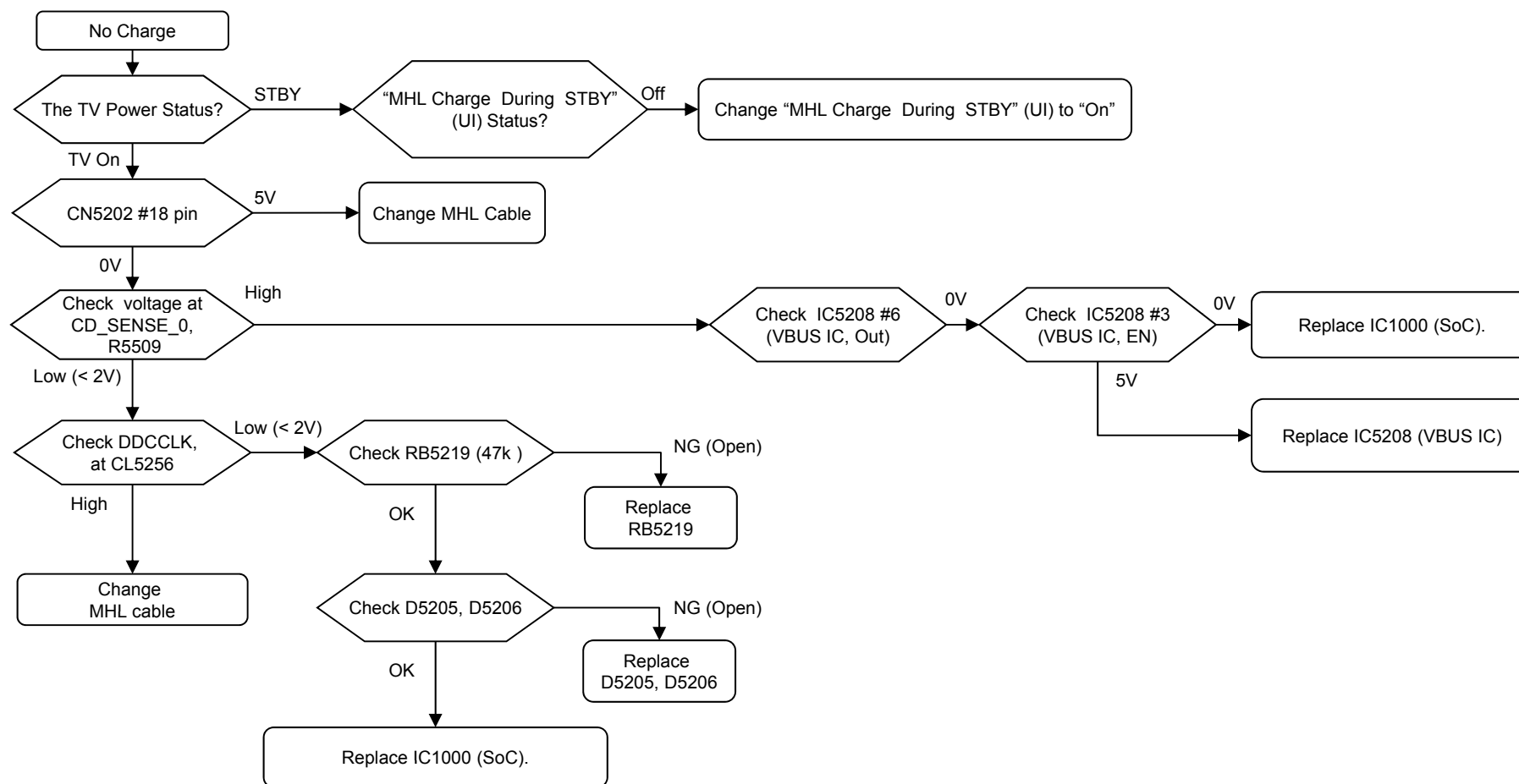
## 3-5-15. NO PICTURE: HDMI 4



## 3-5-16. NO PICTURE: MHL (BMX)

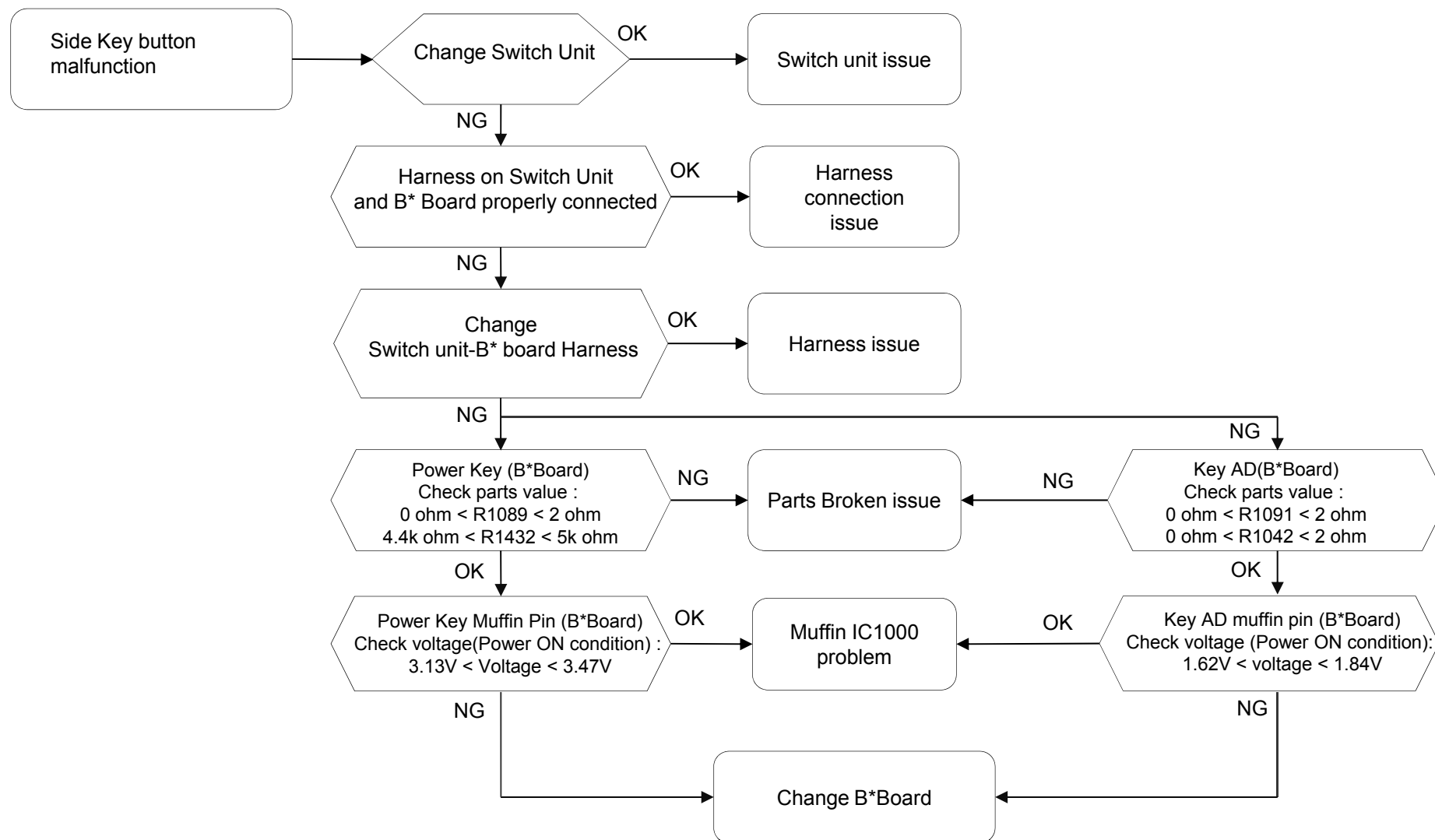


## 3-5-17. NO CHARGE: MHL (BMX)

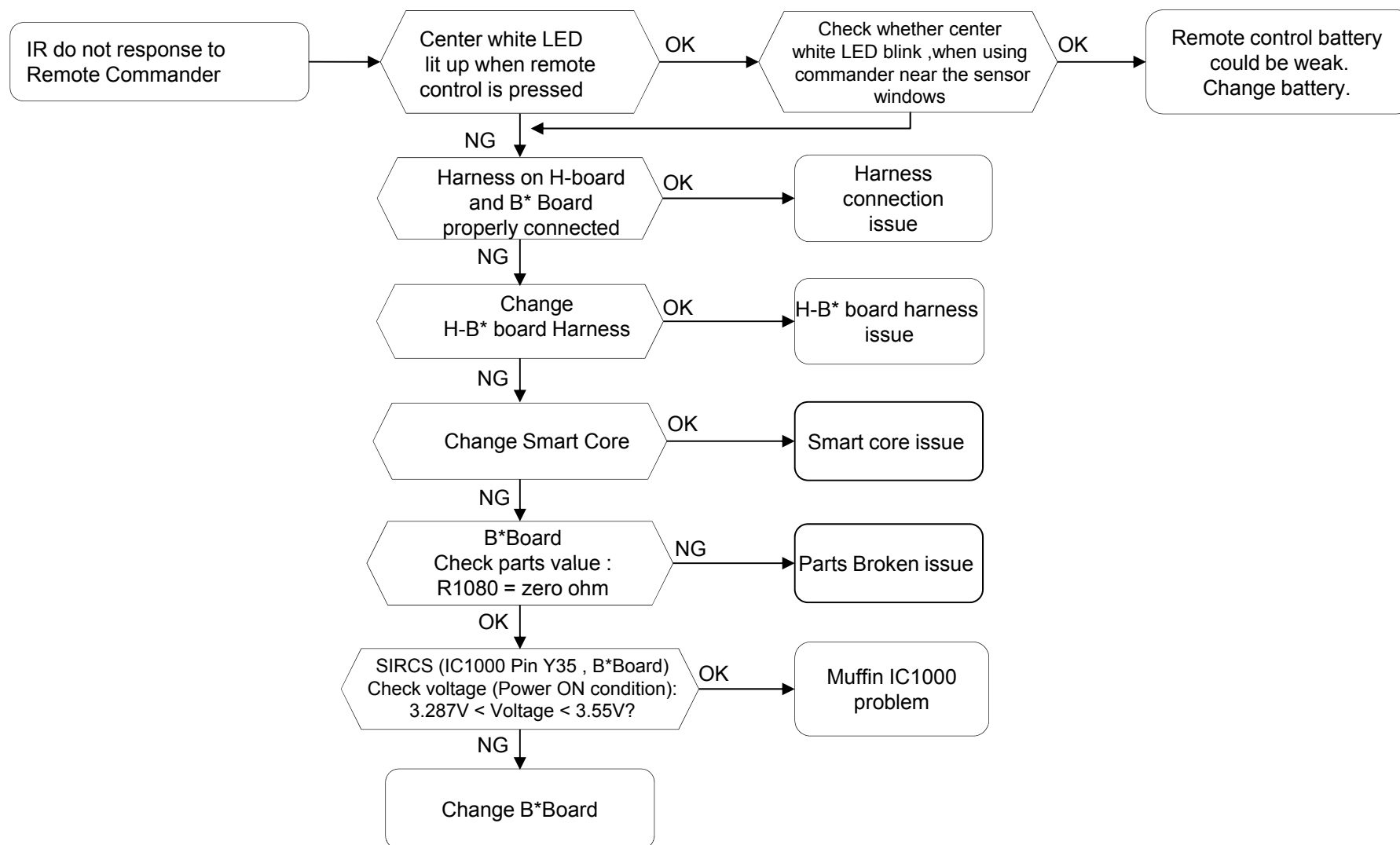




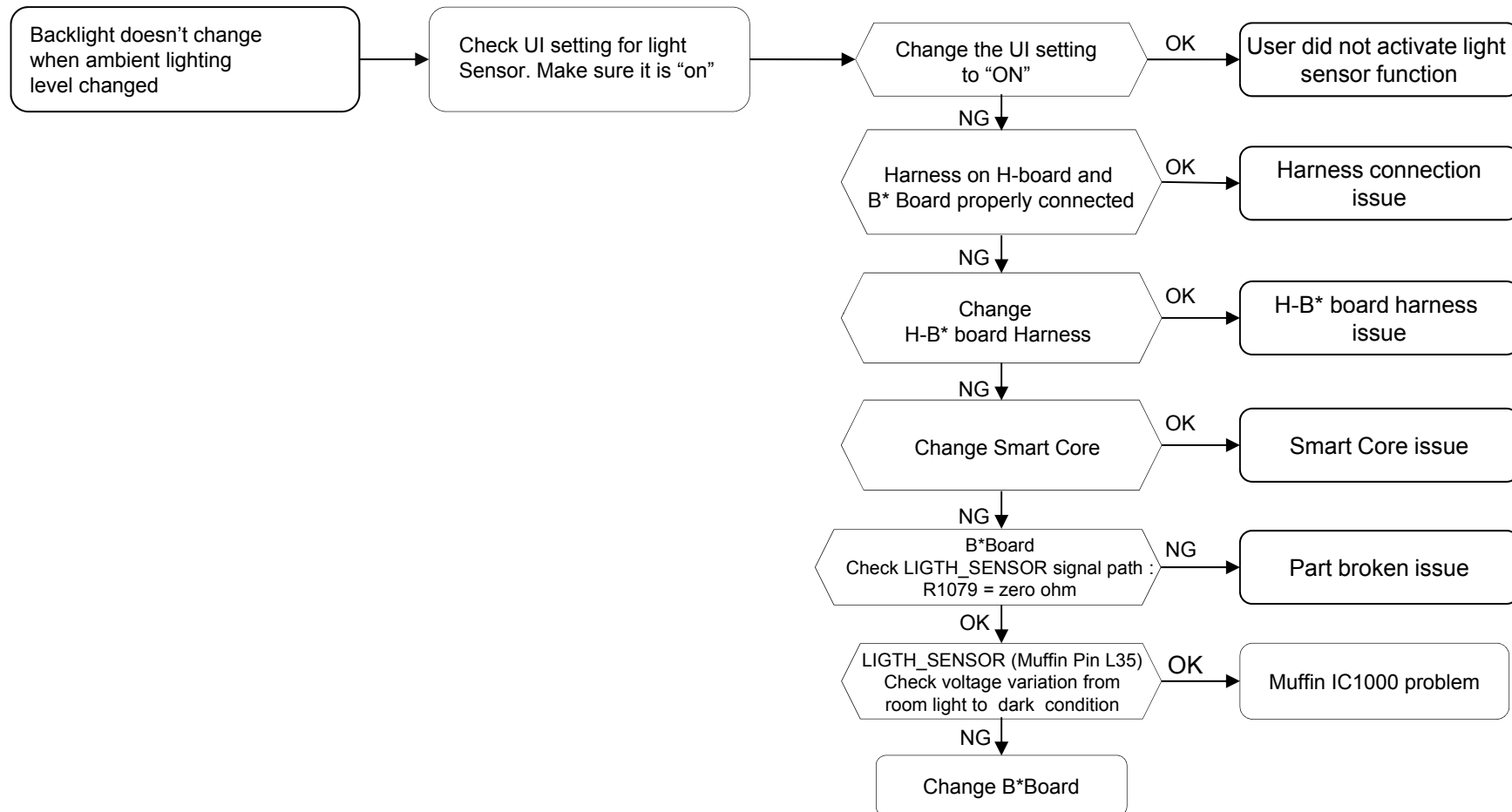
## 3-6. SIDE BUTTONS MALFUNCTION



## 3-7. IR REMOTE COMMANDER MALFUNCTION

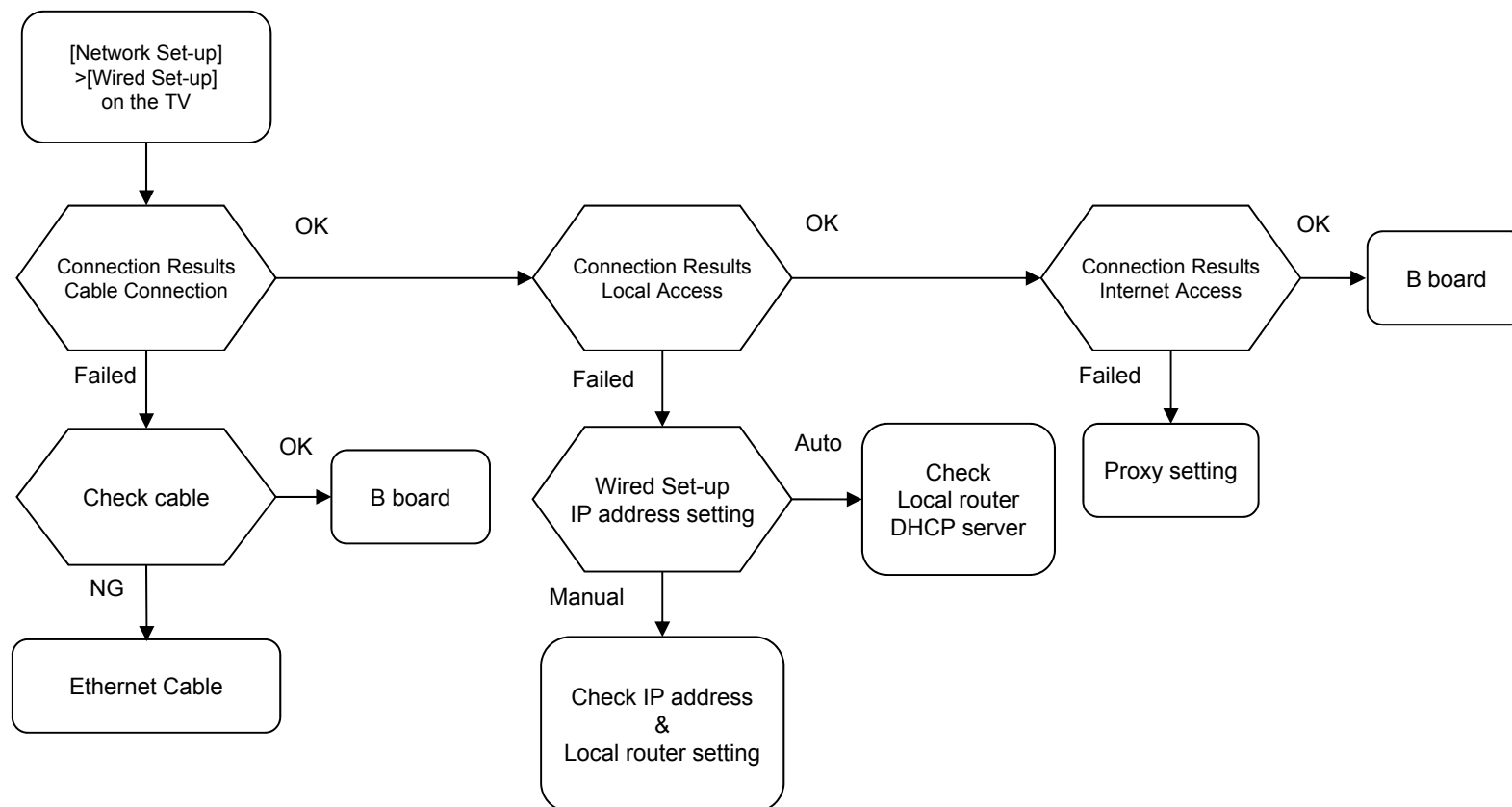


### 3-8. LIGHT SENSOR ERROR

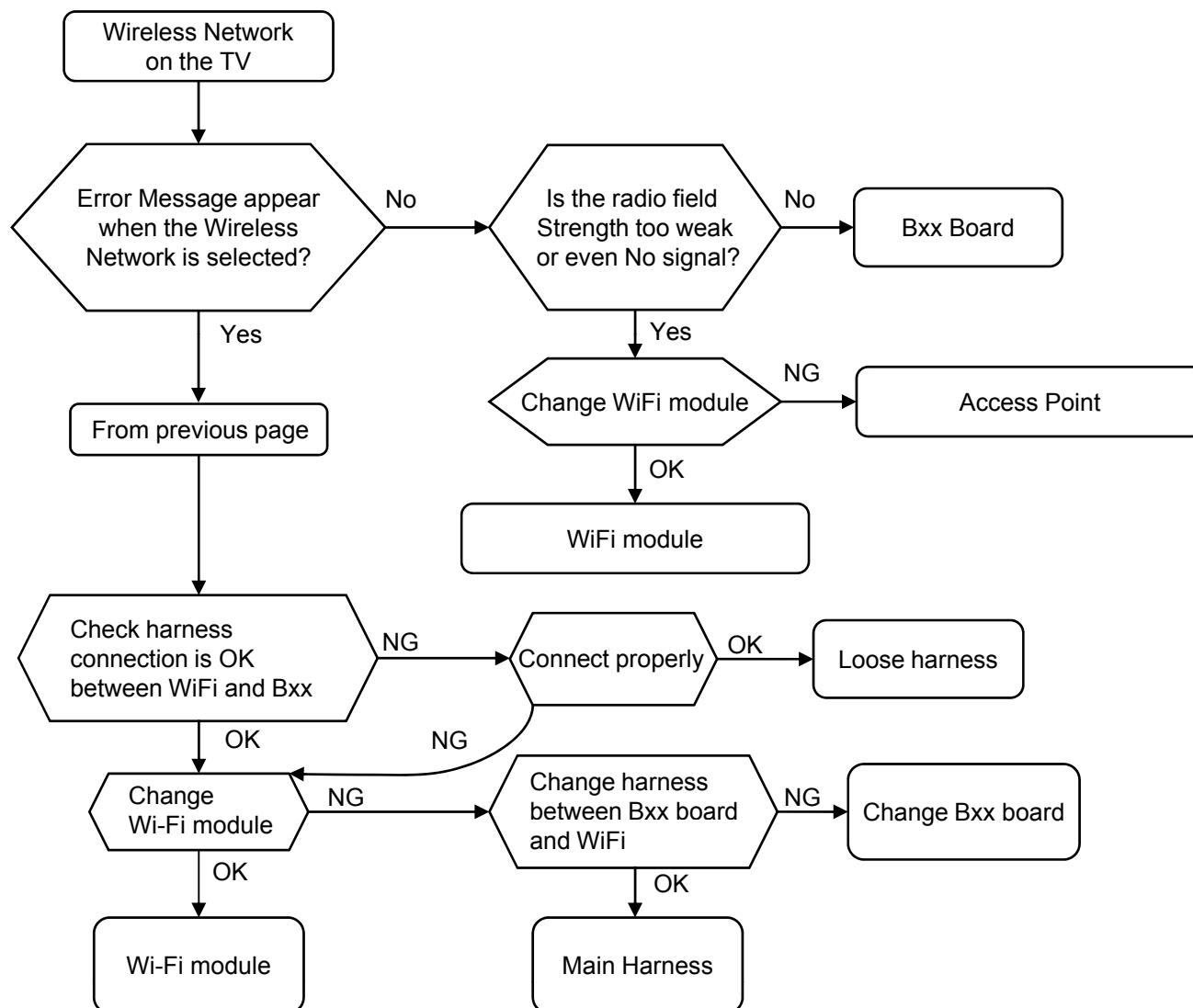


### 3-9. NETWORK MALFUNCTION

#### 1) Ethernet (Wired)



## 2) Internal Wireless Network malfunction

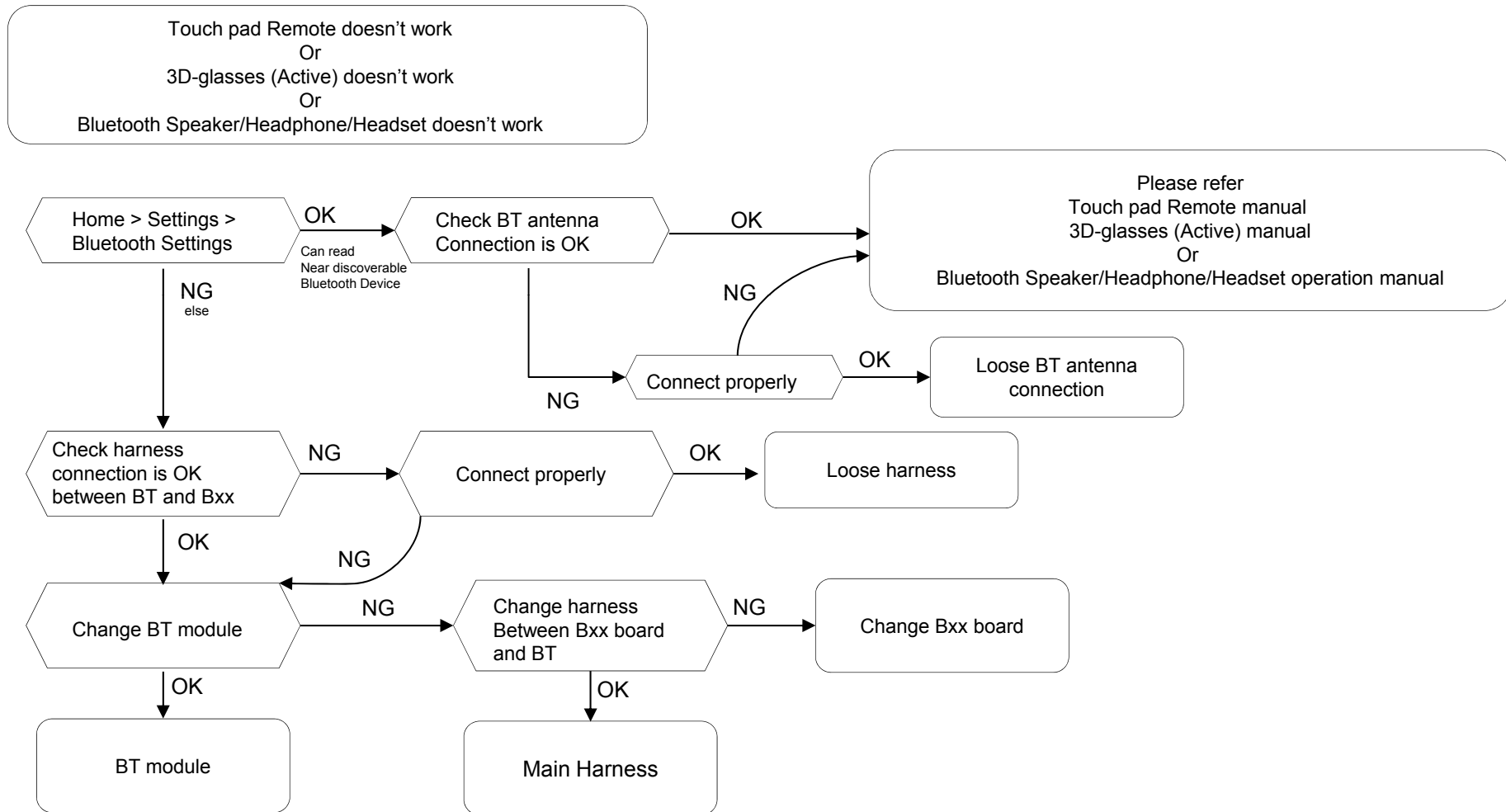


If Wi-Fi malfunction happens,

- Wi-Fi module
- Harness between WiFi and Bxx
- Bxx board

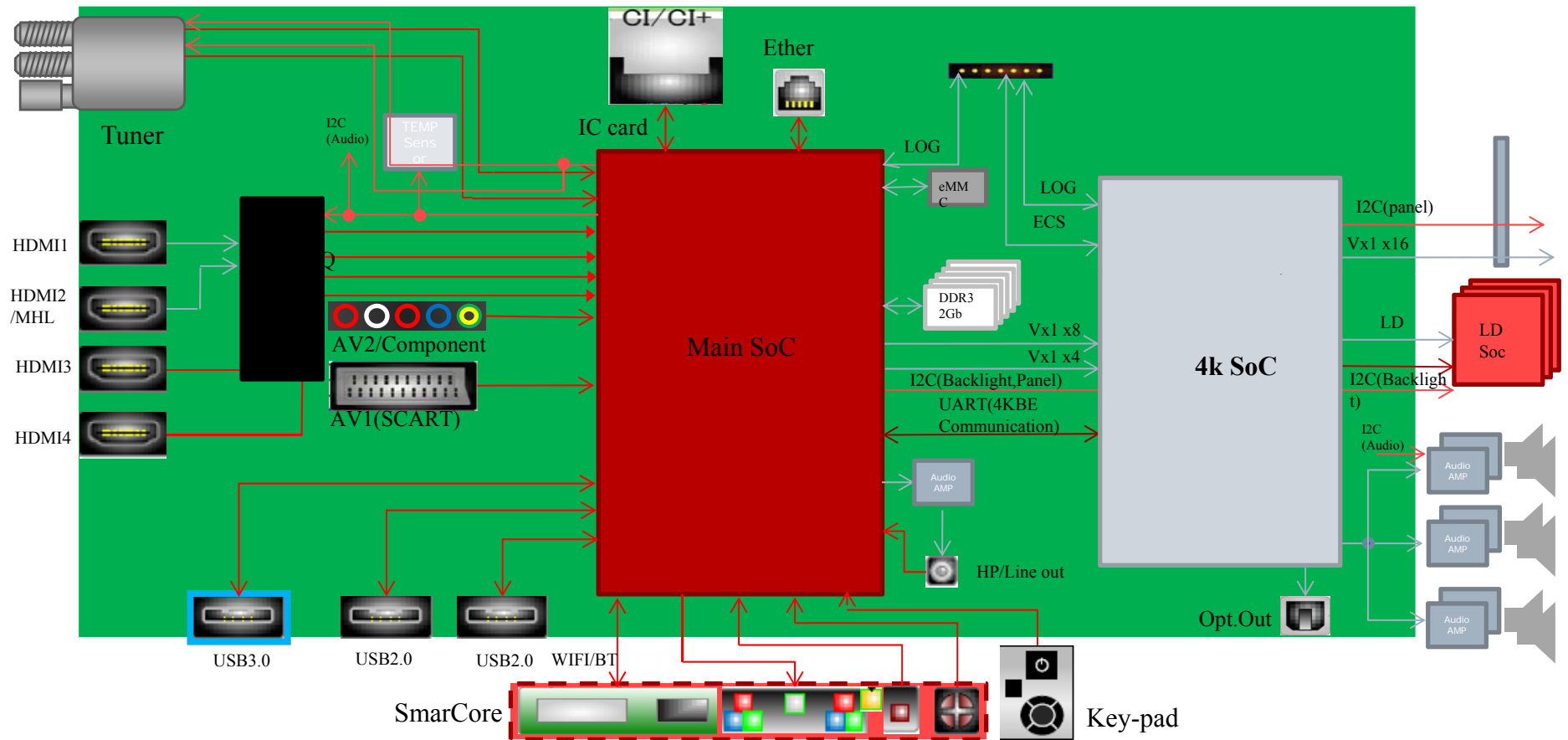
are suspected.

## 3) Bluetooth malfunction



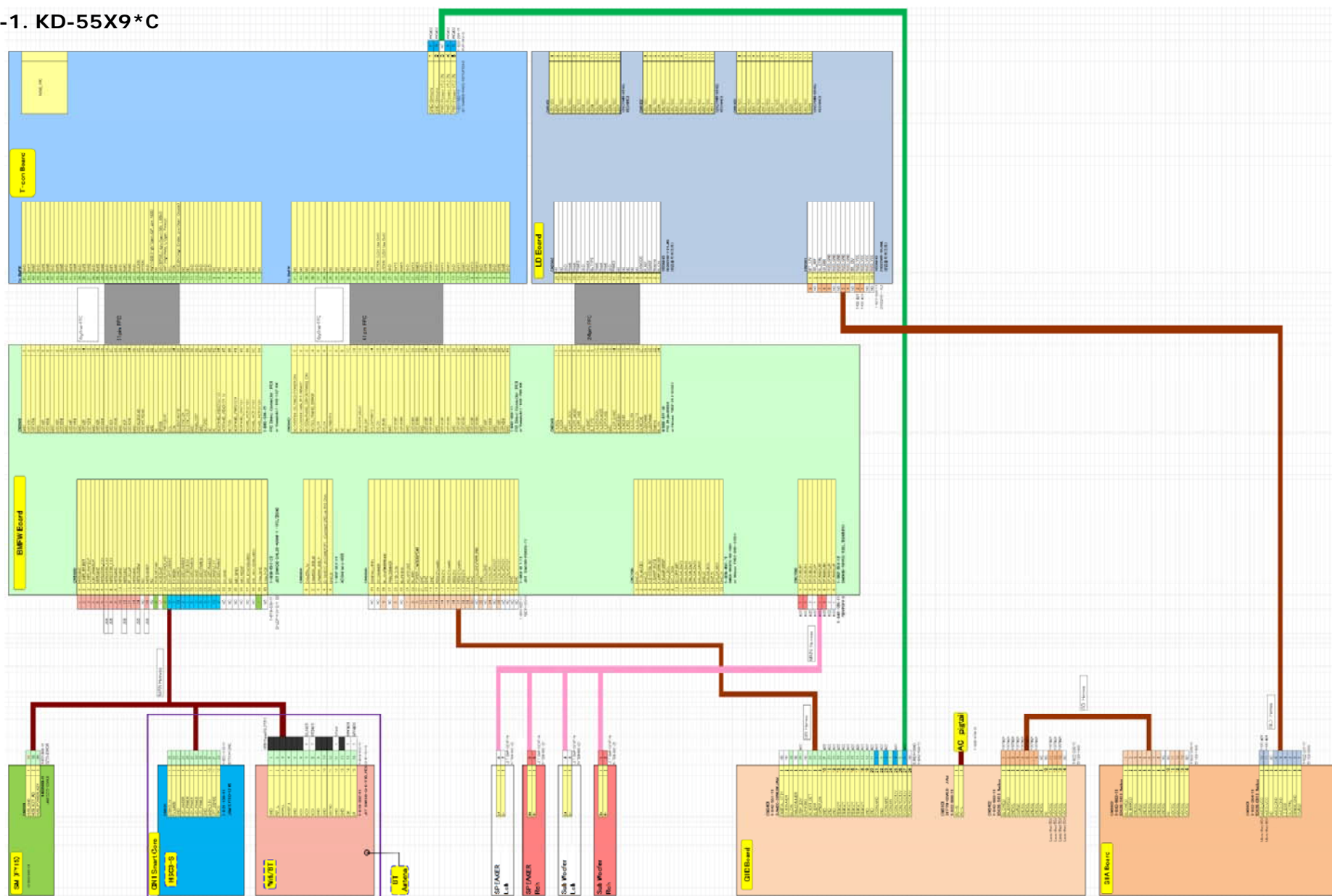
# SEC 4. DIAGRAMS

## 4-1. BLOCK DIAGRAM



## 4-2. CONNECTOR DIAGRAM

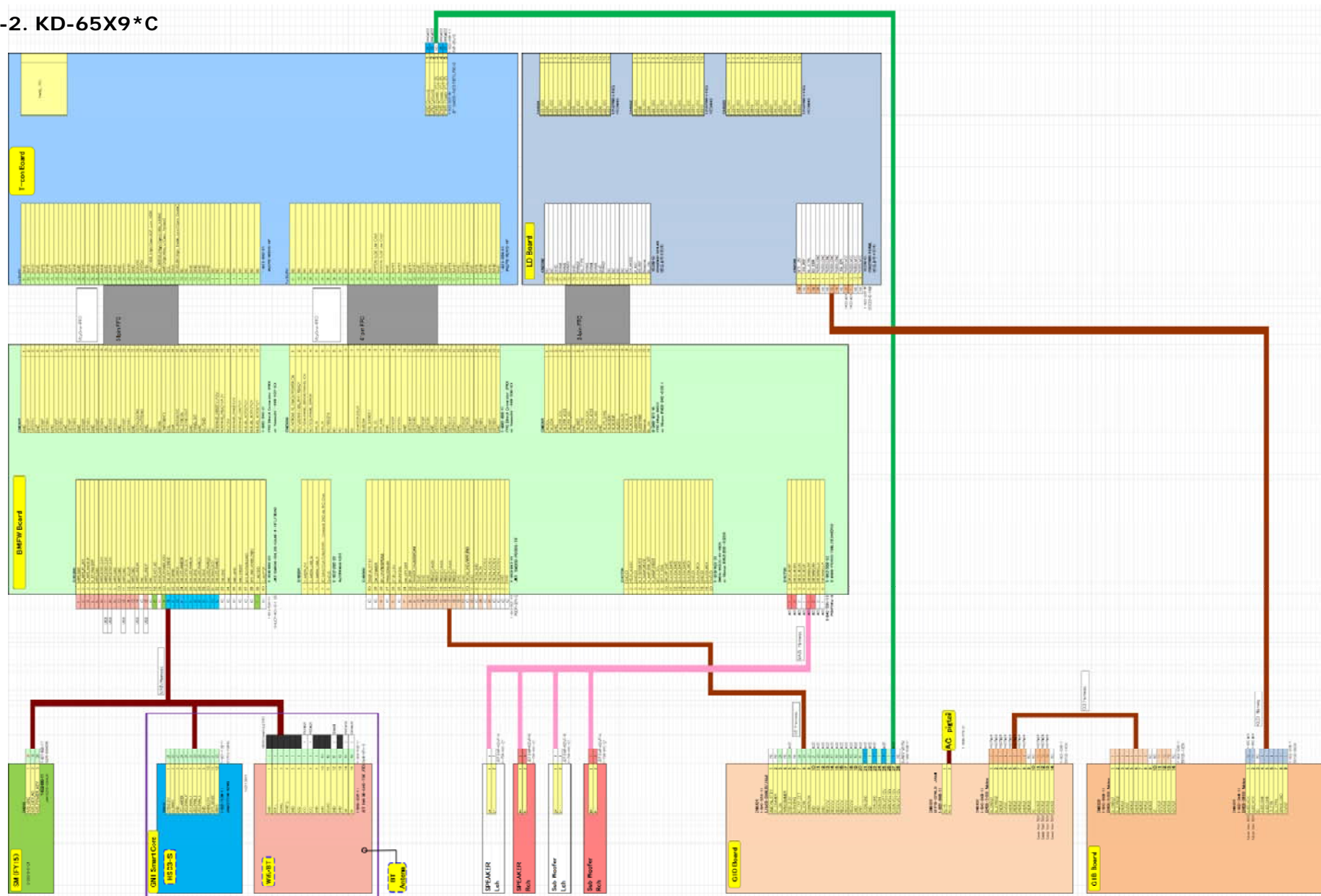
#### 4-2-1. KD-55X9\*C





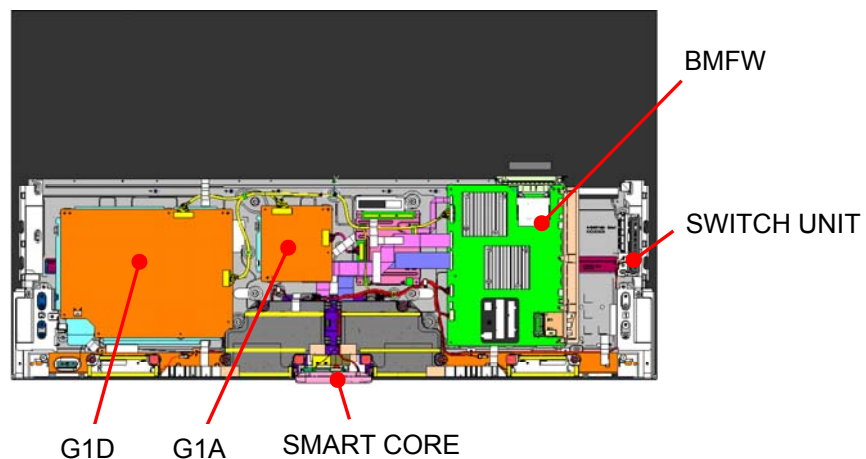
## 4-2. CONNECTOR DIAGRAM

#### 4-2-2. KD-65X9\*C

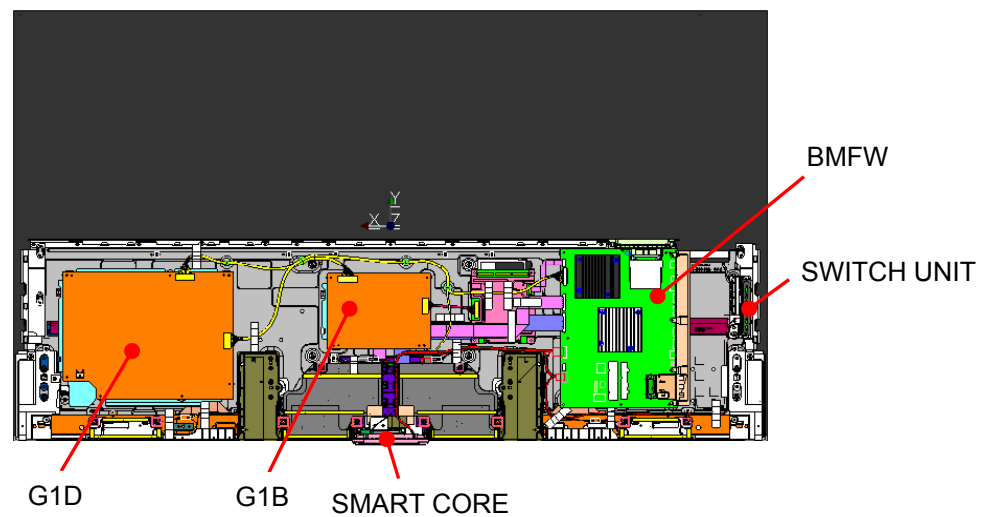


## 4-4. CIRCUIT BOARDS LOCATION

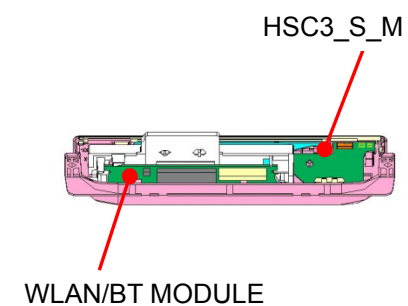
KD-55X9\*C



KD-65X9\*C



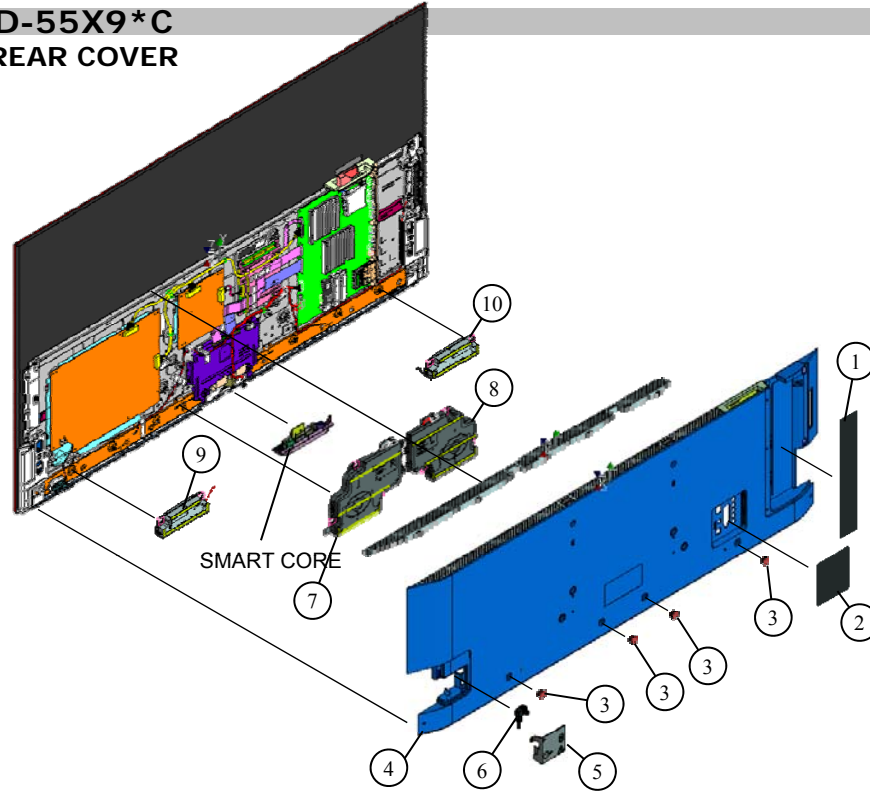
SMART CORE (N, L)



# SEC 5. EXPLODED VIEWS

## 5-1. KD-55X9\*C

### 5-1-1. REAR COVER



- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked " \* " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

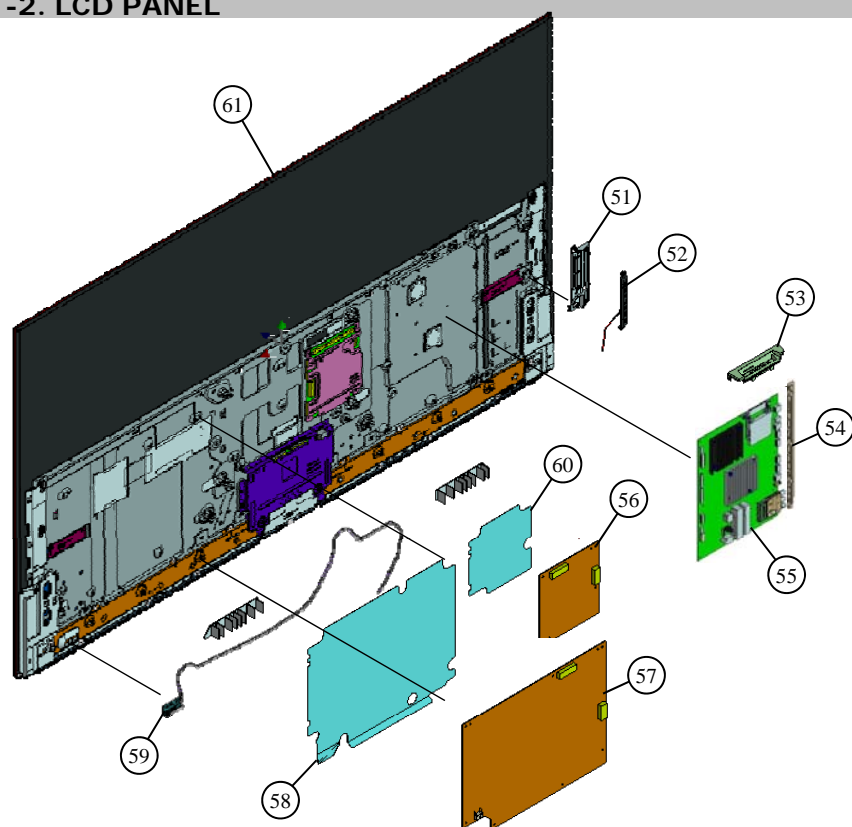
For Stand details, please refer to SEC 1. DISASSEMBLY.







The components identified by mark contain confidential information. Strictly follow the instructions whenever the components are repaired and/or replaced.

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

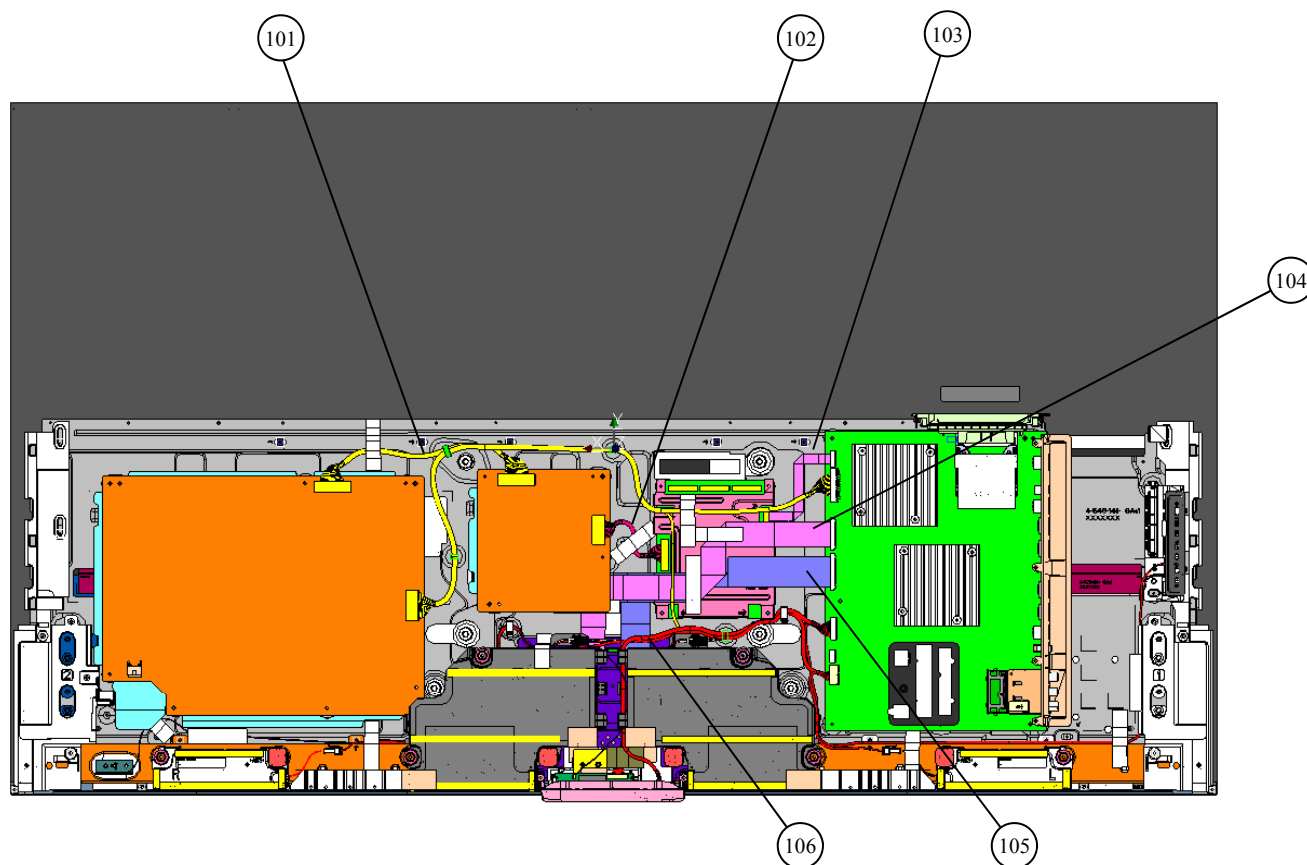
REF. NO.	DESCRIPTION	PART NO.	KD-55X9*C											
			DESTINATION											
			Hong Kong	Taiwan	SANZ AZ1 ( Australia , New Zealand )	SOMEA EA4 (Saudi Arabia, Nigeria, Iraq, Kuwait , UAE etc )	Indonesia	India	SSEA ME6 (Brunei, Cambodia, Myanmar etc)	Malaysia	Philippines	SSEA SP2 ( Singapore etc )	Thailand	Vietnam
1	LABEL, SIDE TERMINAL(W)(CRN)	4-570-639-11	n/a	n/a	n/a	*	*	*	*	*	*	*	*	*
1	LABEL, SIDE TERMINAL(W)(CRN)	4-570-639-21	n/a	n/a	*	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1	LABEL, SIDE TERMINAL(W)(CRN)	4-570-639-31	*	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1	LABEL, SIDE TERMINAL(W)(CRN)	4-570-639-41	n/a	*	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
2	LABEL, REAR TERMINAL	4-563-761-11	n/a	n/a	*	*	*	*	*	*	*	*	*	*
2	LABEL, REAR TERMINAL	4-563-762-01	*	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
2	LABEL, REAR TERMINAL	4-563-762-11	n/a	*	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
3	SCREW CAP (L CRN)	4-566-072-01	*	*	*	*	*	*	*	*	*	*	*	*
4	REAR COVER (L CRN) A	4-549-361-02	*	*	*	*	*	*	*	*	*	*	*	*
5	AC COVER (CRN)	4-558-397-01	*	*	*	*	*	*	*	*	*	*	*	*
6	POWER-SUPPLY CORD (WITH CONN.)	1-839-649-21	n/a	*	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
6	POWER-SUPPLY CORD (WITH CONN.)	1-839-667-21	*	n/a	n/a	*	n/a	n/a	n/a	*	n/a	*	n/a	n/a
6	POWER-SUPPLY CORD (WITH CONN.)	1-839-688-21	n/a	n/a	*	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
6	POWER-SUPPLY CORD	1-848-240-21	n/a	n/a	n/a	n/a	*	n/a	*	n/a	*	n/a	n/a	*
6	AC CORD	1-848-832-23	n/a	n/a	n/a	n/a	n/a	*	n/a	n/a	n/a	n/a	n/a	n/a
6	AC CORD	1-848-945-21	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	*	n/a
7	SP-BOX ASSY(D20-WF RCH CH-ND)	1-859-108-61	n/a	n/a	*	*	*	*	*	*	*	*	*	*
7	SP-BOX ASSY(D20-WF RCH JP-ND)	1-859-108-81	*	*	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
8	SP-BOX ASSY(D20-WF LCH CH-ND)	1-859-108-51	n/a	n/a	*	*	*	*	*	*	*	*	*	*
8	SP-BOX ASSY(D20-WF LCH JP-ND)	1-859-108-71	*	*	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
9	SP-BOX ASSY(W20-SQ RCH CH-ND)	1-859-109-21	n/a	n/a	*	*	*	*	*	*	*	*	*	*
9	SP-BOX ASSY(W20-SQ RCH JP-ND)	1-859-109-41	*	*	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
10	SP-BOX ASSY(W20-SQ LCH CH-ND)	1-859-109-11	n/a	n/a	*	*	*	*	*	*	*	*	*	*
10	SP-BOX ASSY(W20-SQ LCH JP-ND)	1-859-109-31	*	*	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

## 5-1-2. LCD PANEL



REF. NO.	DESCRIPTION	PART NO.	KD-55X9°C											
			DESTINATION											
			Hong Kong	Taiwan	SANZ AZ1 ( Australia , New Zealand )	SOMEA EA4 (Saudi Arabia, Nigeria, Iraq, Kuwait , UAE etc )	Indonesia	India	SSEA ME6 (Brunei, Cambodia, Myanmar etc)	Malaysia	Philippines	SSEA SP2 ( Singapore etc )	Thailand	Vietnam
51	HOLDER, SIDE SW (CRN)	4-549-939-01	•	•	•	•	•	•	•	•	•	•	•	•
52	SWITCH UNIT (VM-VW)	1-493-015-11	•	•	•	•	•	•	•	•	•	•	•	•
53	BRACKET, CARD COVER (CRN)	4-549-962-01	•	•	•	•	•	•	•	•	•	•	•	•
54	BRACKET, SIDE F (MOLD)	4-546-444-01	•	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
54	BRACKET, SIDE F (MOLD)	4-546-444-11	n/a	n/a	•	•	•	•	•	•	•	•	•	•
54	BRACKET, SIDE F (MOLD)	4-546-444-21	n/a	•	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
55 	COMPLE SVC (XB) BMFW ME6	A-2072-542-C	n/a	n/a	•	•	•	•	•	•	•	•	•	•
55 	COMPLE SVC (XB) BMFW HK5	A-2072-548-C	•	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
55 	COMPLE SVC (XB) BMFW TW6	A-2072-549-C	n/a	•	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
56 	G1A-STATIC CONVERTER(TV)	1-474-613-11	•	•	•	•	•	•	•	•	•	•	•	•
57 	G1D-STATIC CONVERTER(TV)	1-474-614-11	•	•	•	•	•	•	•	•	•	•	•	•
58	SHEET, INSLATION(CRN MAIN)	4-562-863-12	•	•	•	•	•	•	•	•	•	•	•	•
59	BT ANTENNA	1-754-959-11	•	•	•	•	•	•	•	•	•	•	•	•
60	SHEET, INSULATION(CRN L LED)	4-562-862-11	•	•	•	•	•	•	•	•	•	•	•	•
61 	PANEL SERVICE PACKING(L CRN)	A-2080-279-A	•	•	•	•	•	•	•	•	•	•	•	•

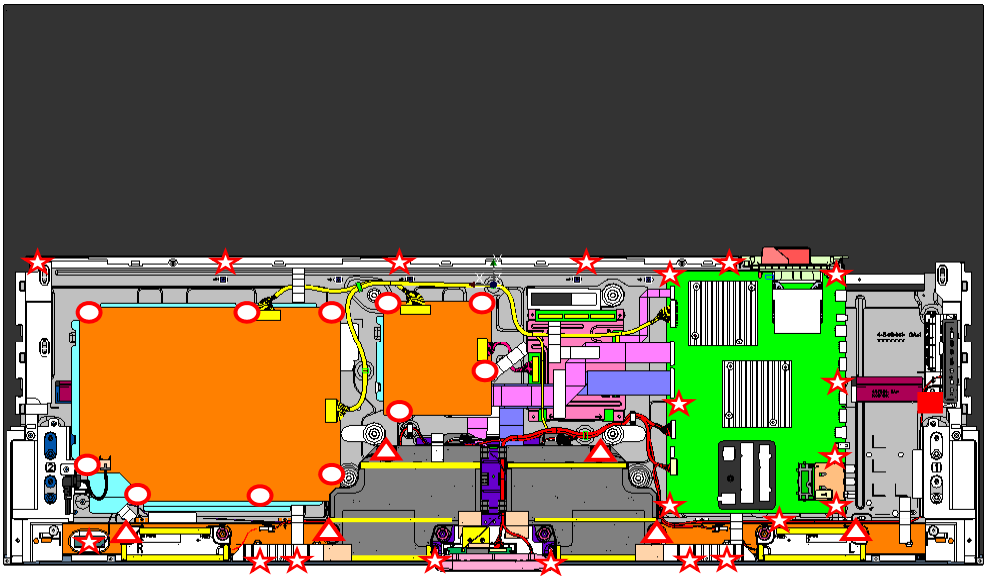
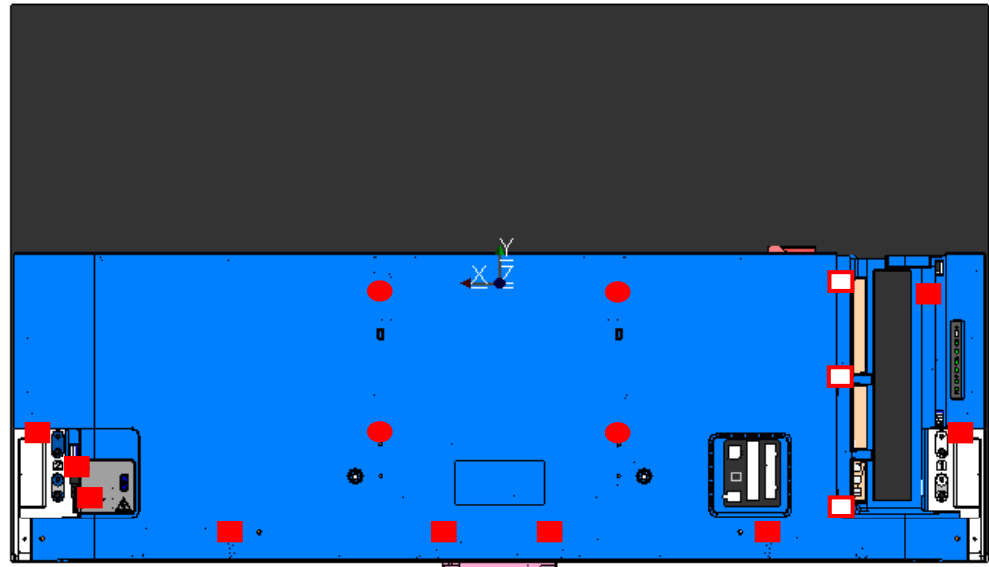
## 5-1-3. CONNECTORS




REF. NO.	DESCRIPTION	PART NO.	KD-55X9°C DESTINATION											
			Hong Kong	Taiwan	SANZ AZ1 ( Australia , New Zealand )	SOMEA EA4 (Saudi Arabia, Nigeria, Iraq, Kuwait , UAE etc )	Indonesia	India	SSEA ME6 (Brunei, Cambodia, Myanmar etc)	Malaysia	Philippines	SSEA SP2 ( Singapore etc )	Thailand	Vietnam
101	HARNESS ASSY (CN6401(G1D)- CN9000(BMFW)-TCON/CN6602(G1A)- CN6402(G1D) (1))	1-910-109-99	•	•	•	•	•	•	•	•	•	•	•	•
102	CONNECTOR ASSY 14P (CN6601(G1A/B)- LD (1))	1-910-110-01	•	•	•	•	•	•	•	•	•	•	•	•
103	FLEXIBLE FLAT CABLE 24P (CN8301(BMFW)-LD (1))	1-910-110-02	•	•	•	•	•	•	•	•	•	•	•	•
104	FLEXIBLE FLAT CABLE 41P (XBS) (CN3600(BMFW)-TCON (1))	1-848-928-11	•	•	•	•	•	•	•	•	•	•	•	•
105	FLEXIBLE FLAT CABLE 51P (XBS) (CN3601(BMFW)-TCON (1))	1-848-923-11	•	•	•	•	•	•	•	•	•	•	•	•
106	HARNESS ASSY (MAIN) (CN1000(BMFW)- CN101(HSC3)-WIFI-SM/CN7700(BMFW)- SP (1))	1-910-110-74	•	•	•	•	•	•	•	•	•	•	•	•

5-1-4. SCREWS

REF.	DESCRIPTION	PART No.
■	SCREW , +PWH M3X6	4-452-935-01
□	SCREW, +BVTP 4X12 TYPE2 IT-3	2-580-639-01
●	SCREW, +PSW M6X16	2-580-611-01
☆	SCREW (+PSW) (M3X6)	2-990-421-41
△	SCREW, +PSW M3X6 W12	4-256-393-01
○	SCREW, +PSW M3X6 W12	4-256-393-11

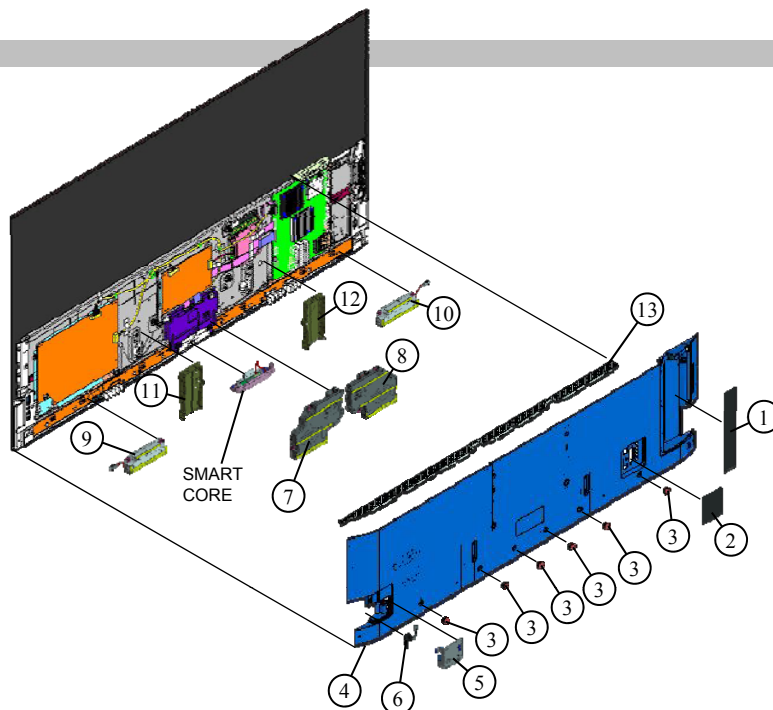


## 5-1-1. OTHER PARTS

REF. NO.	DESCRIPTION	PART NO.	KD-55X9°C											
			DESTINATION											
			Hong Kong	Taiwan	SANZ AZ1 ( Australia , New Zealand )	SOMEA EA4 (Saudi Arabia, Nigeria, Iraq, Kuwait , UAE etc )	Indonesia	India	SSEA ME6 (Brunei, Cambodia, Myanmar etc)	Malaysia	Philippines	SSEA SP2 ( Singapore etc )	Thailand	Vietnam
	ADAPTOR, CONVERSION 2P	1-843-324-11	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	•	n/a	n/a	n/a
	ADHESIVE (SV380C) 333CC GRY	* 7-600-040-44	•	•	•	•	•	•	•	•	•	•	•	•
	BAG, FALL LOCK (CRN) A	4-563-445-01	n/a	•	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	BAG, SCREW (2L CRN) A	4-549-977-01	•	•	•	•	•	•	•	•	•	•	•	•
	BAG, SCREW (L CRN) A	4-549-975-01	•	•	•	•	•	•	•	•	•	•	•	•
	BG COVER (L CRN) , A	4-549-986-01	•	•	•	•	•	•	•	•	•	•	•	•
	BRACKET TOP (L CRN)	4-549-951-01	•	•	•	•	•	•	•	•	•	•	•	•
	CAMERA MODULE (IN BOX)	1-458-878-11	n/a	n/a	n/a	n/a	n/a	•	n/a	n/a	n/a	n/a	n/a	n/a
	CLAMPER, CABLE	4-262-708-04	•	•	•	•	•	•	•	•	•	•	•	•
	CLAMPER, CABLE (M)	4-485-653-01	•	•	•	•	•	•	•	•	•	•	•	•
	COAXIAL CONNECTOR (F TYPE)	* 1-843-078-11	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	•	n/a	n/a	n/a
	FILTER, CLAMP (FERRITE CORE)	1-481-530-21	•	•	•	•	•	•	•	•	•	•	•	•
	HEAT SINK (MUFF C)	* 4-549-395-01	•	•	•	•	•	•	•	•	•	•	•	•
	HEAT, SINK (MUFF)	* 4-547-493-01	•	•	•	•	•	•	•	•	•	•	•	•
	HOLDER(HS MUF)	* 4-549-188-01	•	•	•	•	•	•	•	•	•	•	•	•
	HOLDER, HS WS (MUF)	* 4-548-743-01	•	•	•	•	•	•	•	•	•	•	•	•
	IR BLASTER	1-845-283-14	n/a	n/a	n/a	n/a	n/a	•	n/a	n/a	n/a	n/a	n/a	n/a
	JOINT	* 2-639-807-12	n/a	n/a	•	•	•	•	•	•	•	•	•	•
	RCA CONVERSION CABLE	1-848-907-11	n/a	n/a	•	•	•	•	•	•	•	•	•	•
	REMOTE COMMANDER (RMF-TX100E)	1-492-950-11	•	n/a	•	•	•	•	•	•	•	•	•	•
	REMOTE COMMANDER (RMF-TX100T)	1-492-951-11	n/a	•	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	REMOTE COMMANDER (RMT-TX100A)	1-492-966-11	n/a	n/a	•	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	REMOTE COMMANDER (RMT-TX100P)	1-492-968-11	•	n/a	n/a	•	•	•	•	•	•	•	•	•
	REMOTE COMMANDER (RMT-TX100T)	1-492-970-11	n/a	•	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	SCREW, WOOD 3.8X20	2-580-663-02	n/a	•	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	SHEET, THERMAL (CRN DDR)	4-568-690-01	•	•	•	•	•	•	•	•	•	•	•	•
	SHEET, THERMAL (SC)	4-549-528-11	•	•	•	•	•	•	•	•	•	•	•	•
	SHEET, THERMAL(AYU2)	4-440-057-01	•	•	•	•	•	•	•	•	•	•	•	•
	SHEET, THERMAL(BM)	4-549-186-01	•	•	•	•	•	•	•	•	•	•	•	•
	STAND COVER IN (L CRN) A	4-549-982-01	•	•	•	•	•	•	•	•	•	•	•	•
	STAND PLATE IN (L CRN) A	4-549-978-01	•	•	•	•	•	•	•	•	•	•	•	•
	TAPE (3M 1350FB-1)15MMX66M BLK	7-600-031-97	•	•	•	•	•	•	•	•	•	•	•	•
	WALL MOUNT BAR (L CRN) A	4-549-961-01	•	•	•	•	•	•	•	•	•	•	•	•
	WALL MOUNT BRACKET (L CRN) A	4-549-999-01	•	•	•	•	•	•	•	•	•	•	•	•

## 5-2. KD-65X9\*C

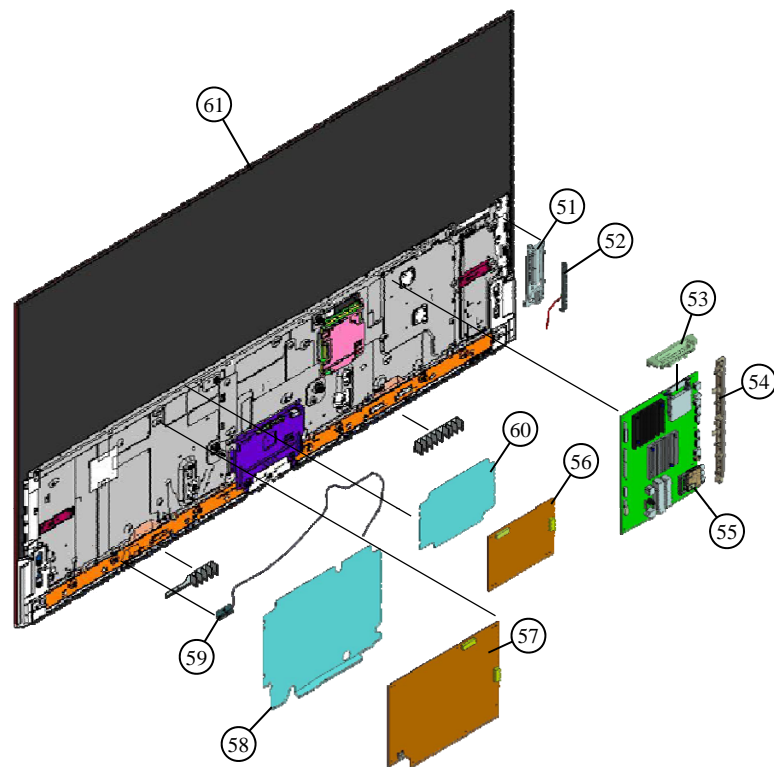
## 5-2-1. REAR COVER



REF. NO.	DESCRIPTION	PART NO.	KD-65X9*C											
			DESTINATION											
			Hong Kong	Taiwan	SANZ AZ1 ( Australia , New Zealand )	SOMEA EA4 (Saudi Arabia, Nigeria, Iraq, Kuwait , UAE etc )	Indonesia	India	SSEA ME6 (Brunei, Cambodia, Myanmar etc)	Malaysia	Philippines	SSEA SP2 ( Singapore etc )	Thailand	Vietnam
1	LABEL, SIDE TERMINAL(W)(CRN)	4-570-639-11	n/a	n/a	n/a	•	•	•	•	•	•	•	•	•
1	LABEL, SIDE TERMINAL(W)(CRN)	4-570-639-21	n/a	n/a	•	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1	LABEL, SIDE TERMINAL(W)(CRN)	4-570-639-31	•	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1	LABEL, SIDE TERMINAL(W)(CRN)	4-570-639-41	n/a	•	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
2	LABEL, REAR TERMINAL	4-563-761-11	n/a	n/a	•	•	•	•	•	•	•	•	•	•
2	LABEL, REAR TERMINAL	4-563-762-01	•	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
2	LABEL, REAR TERMINAL	4-563-762-11	n/a	•	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
3	SCREW CAP (L CRN)	4-566-072-01	•	•	•	•	•	•	•	•	•	•	•	•
4	REAR COVER (2L CRN) A	4-549-362-02	•	•	•	•	•	•	•	•	•	•	•	•
5	AC COVER (CRN)	4-558-397-01	•	•	•	•	•	•	•	•	•	•	•	•
6	POWER-SUPPLY CORD (WITH CONN.)	1-839-649-21	n/a	•	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
6	POWER-SUPPLY CORD (WITH CONN.)	1-839-667-21	•	n/a	n/a	•	n/a	n/a	n/a	•	n/a	•	n/a	n/a
6	POWER-SUPPLY CORD (WITH CONN.)	1-839-688-21	n/a	n/a	•	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
6	POWER-SUPPLY CORD	1-848-240-21	n/a	n/a	n/a	n/a	•	n/a	•	n/a	•	n/a	n/a	•
6	AC CORD	1-848-832-23	n/a	n/a	n/a	n/a	n/a	•	n/a	n/a	n/a	n/a	n/a	n/a
6	AC CORD	1-848-945-21	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	•	n/a
7	SP-BOX ASSY(D20-WF RCH CH-ND)	1-859-108-61	n/a	n/a	•	•	•	•	•	•	•	•	•	•
7	SP-BOX ASSY(D20-WF RCH JP-ND)	1-859-108-81	•	•	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
8	SP-BOX ASSY(D20-WF LCH CH-ND)	1-859-108-51	n/a	n/a	•	•	•	•	•	•	•	•	•	•
8	SP-BOX ASSY(D20-WF LCH JP-ND)	1-859-108-71	•	•	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
9	SP-BOX ASSY(W20-SQ RCH CH-ND)	1-859-109-21	n/a	n/a	•	•	•	•	•	•	•	•	•	•
9	SP-BOX ASSY(W20-SQ RCH JP-ND)	1-859-109-41	•	•	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
10	SP-BOX ASSY(W20-SQ LCH CH-ND)	1-859-109-11	n/a	n/a	•	•	•	•	•	•	•	•	•	•
10	SP-BOX ASSY(W20-SQ LCH JP-ND)	1-859-109-31	•	•	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
11	UNDER COVER IN R (2L CRN)	4-558-420-01	•	•	•	•	•	•	•	•	•	•	•	•
12	UNDER COVER IN L (2L CRN)	4-558-421-01	•	•	•	•	•	•	•	•	•	•	•	•
13	BRACKET TOP (2L CRN)	4-549-954-01	•	•	•	•	•	•	•	•	•	•	•	•



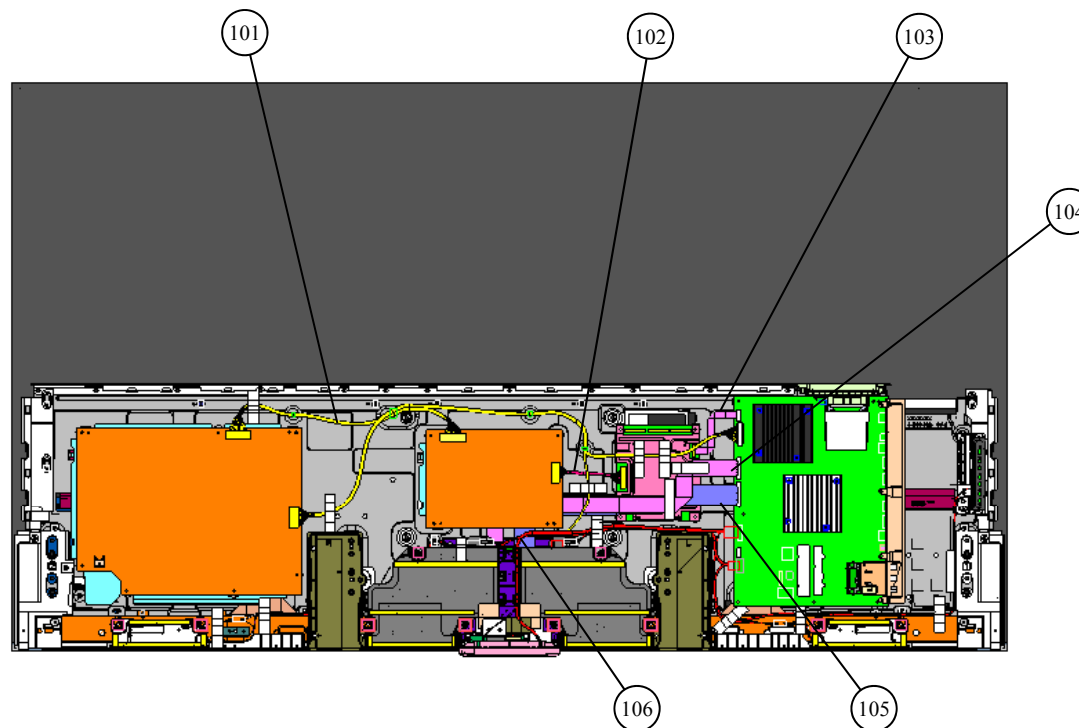
## 5-2-2. LCD PANEL



REF. NO.	DESCRIPTION	PART NO.	KD-65X9°C											
			DESTINATION											
			Hong Kong	Taiwan	SANZ AZ1 ( Australia , New Zealand )	SOMEA EA4 (Saudi Arabia, Nigeria, Iraq, Kuwait , UAE etc )	Indonesia	India	SSEA ME6 (Brunei, Cambodia, Myanmar etc)	Malaysia	Philippines	SSEA SP2 ( Singapore etc )	Thailand	Vietnam
51	HOLDER, SIDE SW (CRN)	4-549-939-01	•	•	•	•	•	•	•	•	•	•	•	•
52	SWITCH UNIT (VM-WW)	1-493-015-11	•	•	•	•	•	•	•	•	•	•	•	•
53	BRACKET, CARD COVER (CRN)	4-549-962-01	•	•	•	•	•	•	•	•	•	•	•	•
54	BRACKET, SIDE F (MOLD)	4-546-444-01	•	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
54	BRACKET, SIDE F (MOLD)	4-546-444-11	n/a	n/a	•	•	•	•	•	•	•	•	•	•
54	BRACKET, SIDE F (MOLD)	4-546-444-21	n/a	•	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
55	COMPLE SVC (XB) BMFW ME6	A-2072-542-C	n/a	n/a	•	•	•	•	•	•	•	•	•	•
55	COMPLE SVC (XB) BMFW HK5	A-2072-548-C	•	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
55	COMPLE SVC (XB) BMFW TW6	A-2072-549-C	n/a	•	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
56	G1B-STATIC CONVERTER(TV)	1-474-612-11	•	•	•	•	•	•	•	•	•	•	•	•
57	G1D-STATIC CONVERTER(TV)	1-474-614-11	•	•	•	•	•	•	•	•	•	•	•	•
58	SHEET, INSLATION(CRN MAIN)	4-562-863-12	•	•	•	•	•	•	•	•	•	•	•	•
59	BT ANTENNA	1-754-955-11	•	•	•	•	•	•	•	•	•	•	•	•
60	SHEET, INSULATION(CRN 2L LED)	4-562-861-11	•	•	•	•	•	•	•	•	•	•	•	•
61	PANEL SERVICE PACKING(2L CRN)	A-2080-282-A	•	•	•	•	•	•	•	•	•	•	•	•

## 5-2-3. CONNECTORS

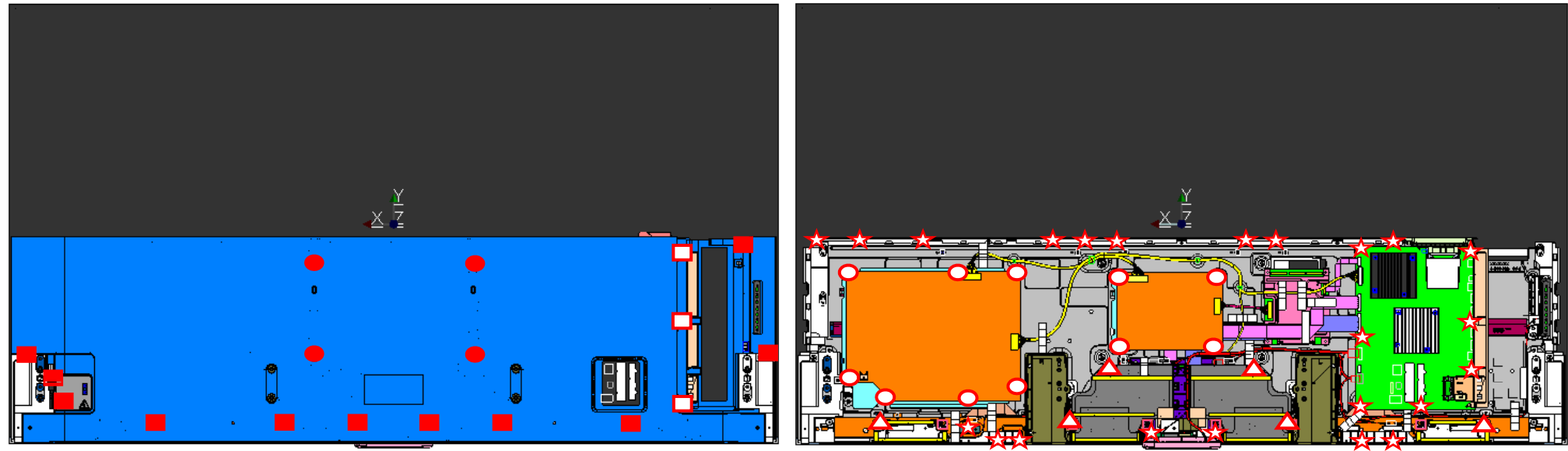
## EXPLODED VIEWS



REF. NO.	DESCRIPTION	PART NO.	KD-65X9"C											
			DESTINATION											
			Hong Kong	Taiwan	SANZ AZ1 ( Australia , New Zealand )	SOMEA EA4 (Saudi Arabia, Nigeria, Iraq, Kuwait , UAE etc )	Indonesia	India	SSEA ME6 (Brunei, Cambodia, Myanmar etc)	Malaysia	Philippines	SSEA SP2 ( Singapore etc )	Thailand	Vietnam
101	HARNESS ASSY )CN6401(G1D)-CN9000(BMFW)-TCON/CN6602(G1B)-CN6402(G1D) (1) )	1-910-110-03	•	•	•	•	•	•	•	•	•	•	•	•
102	CONNECTOR ASSY 14P (CN6601(G1A/B)-LD (1))	1-910-110-01	•	•	•	•	•	•	•	•	•	•	•	•
103	FLEXIBLE FLAT CABLE 24P (CN8301(BMFW)-LD (1))	1-910-110-02	•	•	•	•	•	•	•	•	•	•	•	•
104	FLEXIBLE FLAT CABLE 41P (XBM) (CN3600(BMFW)-TCON (1) )	1-848-929-11	•	•	•	•	•	•	•	•	•	•	•	•
105	FLEXIBLE FLAT CABLE 51P (XBM) (CN3601(BMFW)-TCON (1))	1-848-924-11	•	•	•	•	•	•	•	•	•	•	•	•
106	HARNESS ASSY (MAIN) (CN1000(BMFW)-CN101(HSC3)-WIFI-SM/CN7700(BMFW)-SP (1) )	1-910-110-75	•	•	•	•	•	•	•	•	•	•	•	•

5-2-4. SCREWS

REF.	DESCRIPTION	PART No.
■	SCREW , +PWH M3X6	4-452-935-01
□	SCREW, +BVTP 4X12 TYPE2 IT-3	2-580-639-01
●	SCREW, +PSW M6X16	2-580-611-01
☆	SCREW (+PSW) (M3X6)	2-990-421-41
△	SCREW, +PSW M3X6 W12	4-256-393-01
○	SCREW, +PSW M3X6 W12	4-256-393-11

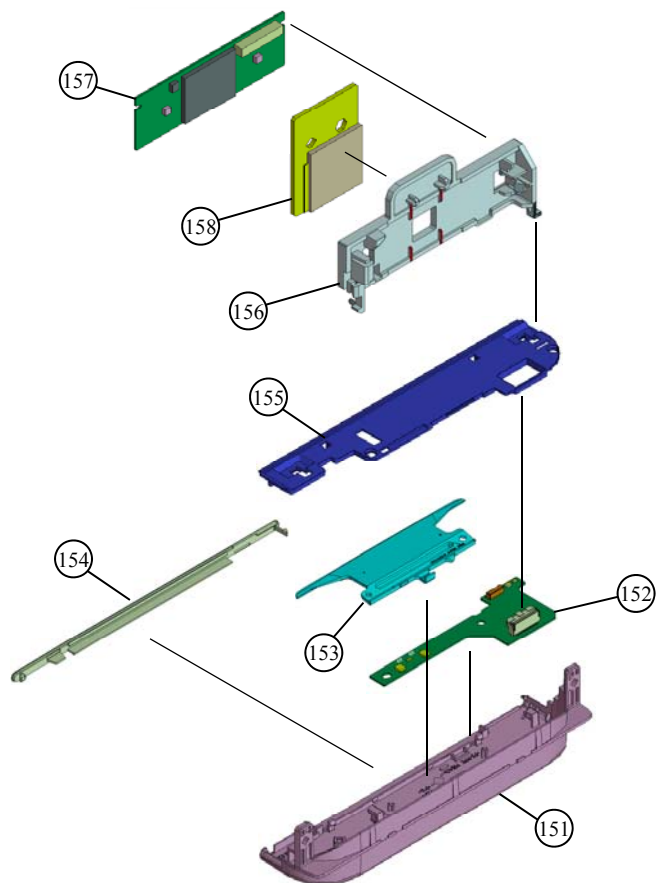


## 5-2-5. OTHER PARTS

REF. NO.	DESCRIPTION	PART NO.	KD-65X9°C											
			DESTINATION											
			Hong Kong	Taiwan	SANZ AZ1 ( Australia , New Zealand )	SOMEA EA4 (Saudi Arabia, Nigeria, Iraq, Kuwait , UAE etc )	Indonesia	India	SSEA ME6 (Brunei, Cambodia, Myanmar etc)	Malaysia	Philippines	SSEA SP2 ( Singapore etc )	Thailand	Vietnam
	COAXIAL CONNECTOR (F TYPE)	* 1-843-078-11	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	•	n/a	n/a	n/a
	JOINT	* 2-639-807-12	n/a	n/a	•	•	•	•	•	•	•	•	•	•
	HEAT, SINK (MUFF)	* 4-547-493-01	•	•	•	•	•	•	•	•	•	•	•	•
	HOLDER, HS WS (MUF)	* 4-548-743-01	•	•	•	•	•	•	•	•	•	•	•	•
	HOLDER(HS MUF)	* 4-549-188-01	•	•	•	•	•	•	•	•	•	•	•	•
	HEAT SINK (MUFF C)	* 4-549-395-01	•	•	•	•	•	•	•	•	•	•	•	•
	ADHESIVE (SV380C) 333CC GRY	* 7-600-040-44	•	•	•	•	•	•	•	•	•	•	•	•
	CAMERA MODULE (IN BOX)	1-458-878-11	n/a	n/a	n/a	n/a	n/a	•	n/a	n/a	n/a	n/a	n/a	n/a
	REMOTE COMMANDER (RMF-TX100E)	1-492-950-11	•	n/a	•	•	•	•	•	•	•	•	•	•
	REMOTE COMMANDER (RMF-TX100T)	1-492-951-11	n/a	•	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	REMOTE COMMANDER (RMT-TX100A)	1-492-966-11	n/a	n/a	•	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	REMOTE COMMANDER (RMT-TX100P)	1-492-968-11	•	n/a	n/a	•	•	•	•	•	•	•	•	•
	REMOTE COMMANDER (RMT-TX100T)	1-492-970-11	n/a	•	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
⚠	ADAPTOR, CONVERSION 2P	1-843-324-11	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	•	n/a	n/a
	IR BLASTER	1-845-283-14	n/a	n/a	n/a	n/a	n/a	•	n/a	n/a	n/a	n/a	n/a	n/a
	RCA CONVERSION CABLE	1-848-907-11	n/a	n/a	•	•	•	•	•	•	•	•	•	•
	SCREW, WOOD 3.8X20	2-580-663-02	n/a	•	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	CLAMPER, CABLE	4-262-708-04	•	•	•	•	•	•	•	•	•	•	•	•
	SHEET, THERMAL(AYU2)	4-440-057-01	•	•	•	•	•	•	•	•	•	•	•	•
	CLAMPER, CABLE (M)	4-485-653-01	•	•	•	•	•	•	•	•	•	•	•	•
	SHEET, THERMAL(BM)	4-549-186-01	•	•	•	•	•	•	•	•	•	•	•	•
	SHEET, THERMAL (SC)	4-549-528-11	•	•	•	•	•	•	•	•	•	•	•	•
	WALL MOUNT BAR (2L CRN) A	4-549-960-01	•	•	•	•	•	•	•	•	•	•	•	•
	BAG, SCREW (L CRN) A	4-549-975-01	•	•	•	•	•	•	•	•	•	•	•	•
	BAG, SCREW (2L CRN) A	4-549-977-01	•	•	•	•	•	•	•	•	•	•	•	•
	BG COVER (L CRN) , A	4-549-986-01	•	•	•	•	•	•	•	•	•	•	•	•
	WALL MOUNT BRACKET (L CRN) A	4-549-999-01	•	•	•	•	•	•	•	•	•	•	•	•
	PULLEY, STAND (CRN) IN	4-559-548-01	•	•	•	•	•	•	•	•	•	•	•	•
	BAG, FALL LOCK (CRN) A	4-563-445-01	n/a	•	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	TAPE, CONDUCTIVE	4-575-409-01	•	•	•	•	•	•	•	•	•	•	•	•
	CUSHION	4-575-410-01	•	•	•	•	•	•	•	•	•	•	•	•
	TAPE (3M 1350FB-1)15MMX66M BLK	7-600-031-97	•	•	•	•	•	•	•	•	•	•	•	•

### 5-3. KD-55X9\*C/KD-65X9\*C

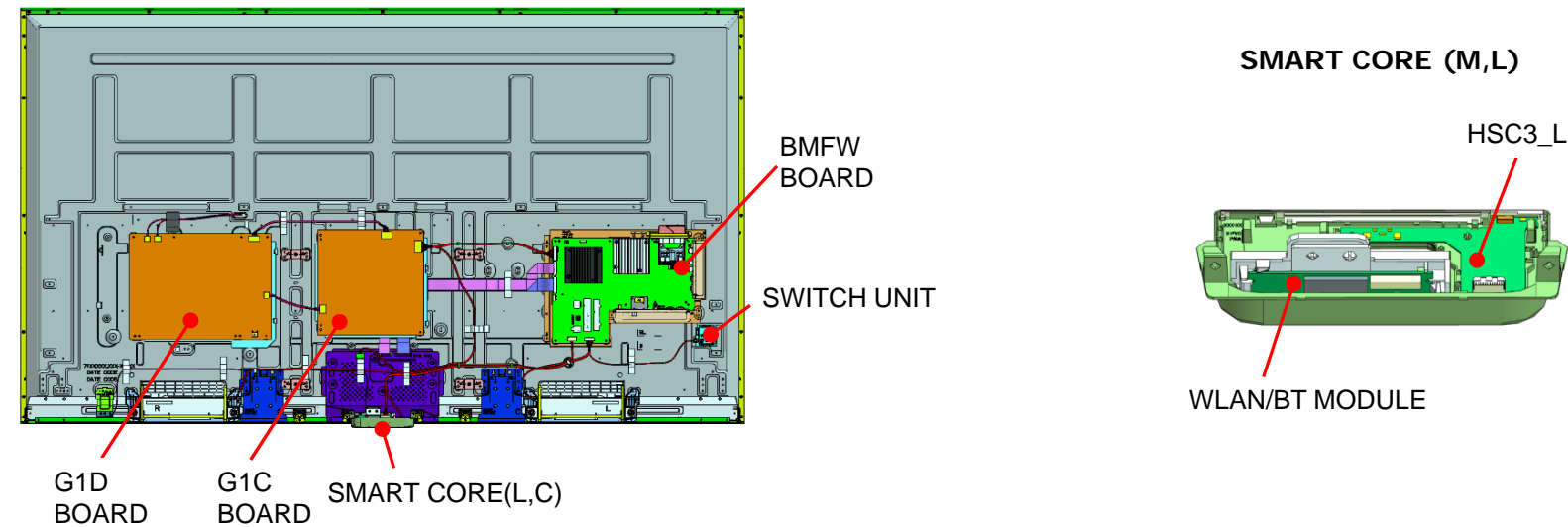
#### 5-3-1. SMART CORE (N, L)



REF. NO.	DESCRIPTION	PART NO.	KD-55 / 65 X9*C											
			DESTINATION											
			Hong Kong	Taiwan	SANZ AZ1 ( Australia , New Zealand )	SOMEA EA4 (Saudi Arabia, Nigeria, Iraq, Kuwait , UAE etc )	Indonesia	India	SSEA ME6 (Brunei, Cambodia, Myanmar etc)	Malaysia	Philippines	SSEA SP2 ( Singapore etc )	Thailand	Vietnam
151	CASE, BOTTOM (N)	4-547-394-01	•	•	•	•	•	•	•	•	•	•	•	•
152	HSC3_S_M MOUNT	A-2066-088-A	•	•	•	•	•	•	•	•	•	•	•	•
153	LIGHT, GUIDE	4-547-390-01	•	•	•	•	•	•	•	•	•	•	•	•
154	PANEL, ORNAMENT	4-547-389-01	•	•	•	•	•	•	•	•	•	•	•	•
155	COVER, TOP	4-547-395-01	•	•	•	•	•	•	•	•	•	•	•	•
156	BRACKET, WIFI	4-547-397-02	•	•	•	•	•	•	•	•	•	•	•	•
157	WLAN/BT MODULE(11AC)	1-458-853-11	•	•	•	•	•	•	•	•	•	•	•	•
158	HEAT SINK L(SC)	4-566-841-01	•	•	•	•	•	•	•	•	•	•	•	•

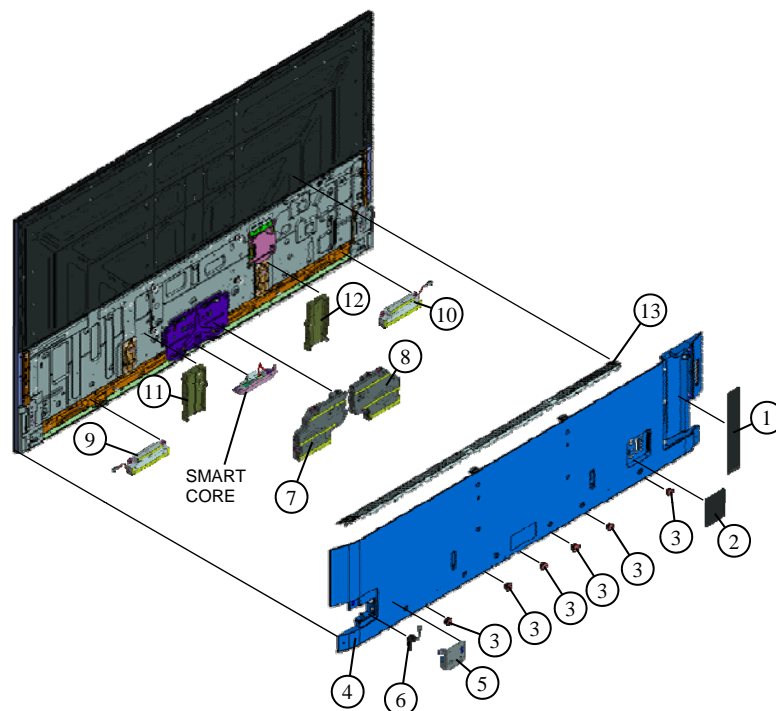
4-4. CIRCUIT BOARDS LOCATION

KD-75X9\*C



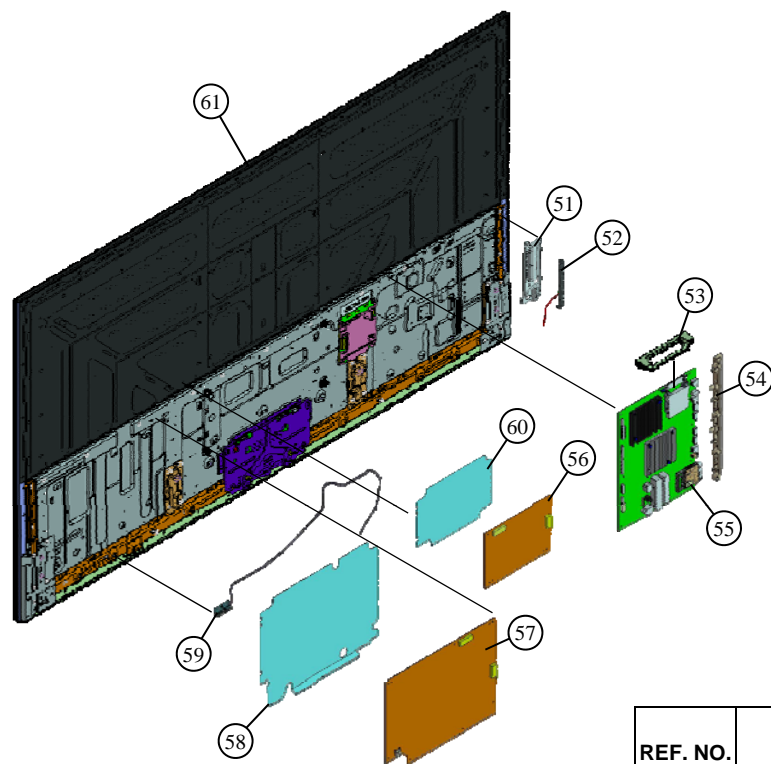
## 5-2. KD-75X9\*C

## 5-2-1. REAR COVER



REF. NO.	DESCRIPTION	PART NO.	KD-75X9100C
			DESTINATION
			SANZ AZ1 ( Australia , New Zealand )
1	LABEL, SIDE TERMINAL(W)(CRN)	4-570-639-21	•
2	LABEL, REAR TERMINAL	4-563-761-11	•
3	SCREW CAP (L CRN)	4-566-072-01	•
4	REAR COVER (3L CRN) A	4-565-580-01	•
5	AC COVER (CRN)	4-558-397-01	•
6	POWER-SUPPLY CORD (WITH CONN.)	1-839-688-21	•
7	SP-BOX ASSY(D20-WF RCH CH-ND)	1-859-108-61	•
8	SP-BOX ASSY(D20-WF LCH CH-ND)	1-859-108-51	•
9	SP-BOX ASSY(W20-SQ RCH CH-ND)	1-859-109-21	•
10	SP-BOX ASSY(W20-SQ LCH CH-ND)	1-859-109-11	•
11	UNDER COVER IN R (3L CRN)	4-563-012-01	•
12	UNDER COVER IN L (3L CRN)	4-563-013-01	•
13	BRACKET TOP (3L CRN) A	4-562-567-01	•

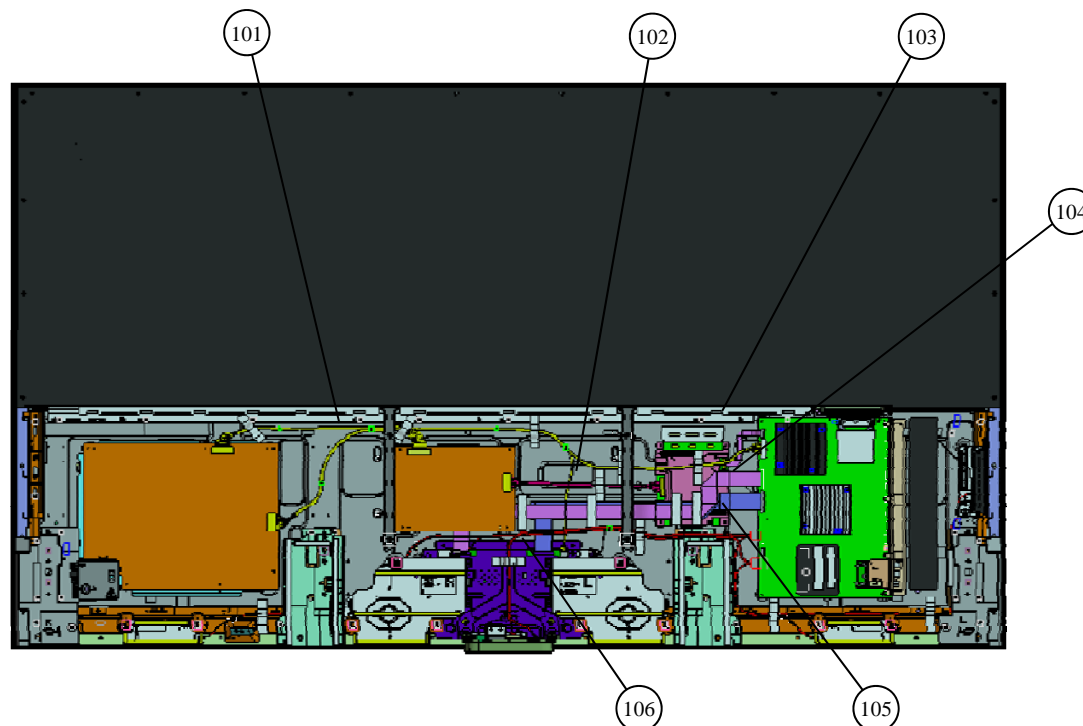
## 5-2-2. LCD PANEL



REF. NO.	DESCRIPTION	PART NO.	KD-75X9100C
			DESTINATION
			SANZ AZ1 ( Australia , New Zealand )
51	HOLDER, SIDE SW (CRN)	4-549-939-01	•
52	SWITCH UNIT (VM-WW)	1-493-015-11	•
53	BRACKET, CARD COVER (3L CRN)	4-562-571-01	•
54	BRACKET, SIDE F (MOLD)	4-546-444-11	•
55	COMPLE SVC (XB) BMFW ME6	A-2072-542-C	•
56	G1C-STATIC CONVERTER(TV)	1-474-611-11	•
57	G1D-STATIC CONVERTER(TV)	1-474-614-11	•
58	SHEET, INSLATION(CRN MAIN)	4-562-863-12	•
59	BT ANTENNA	1-754-957-11	•
60	SHEET, INSULATION(CRN 2L LED)	4-562-861-11	•
61	PANEL SERVICE PACKING(3L CRN)	A-2080-285-A	•

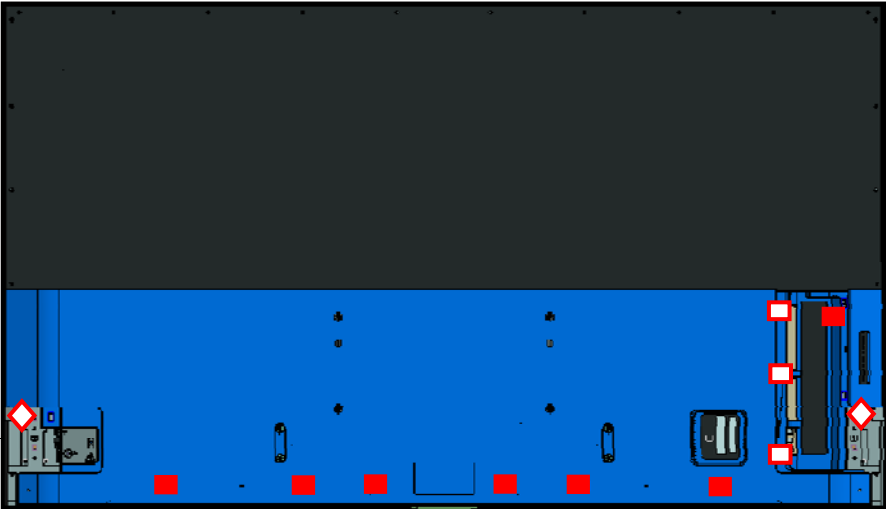


## 5-2-3. CONNECTORS

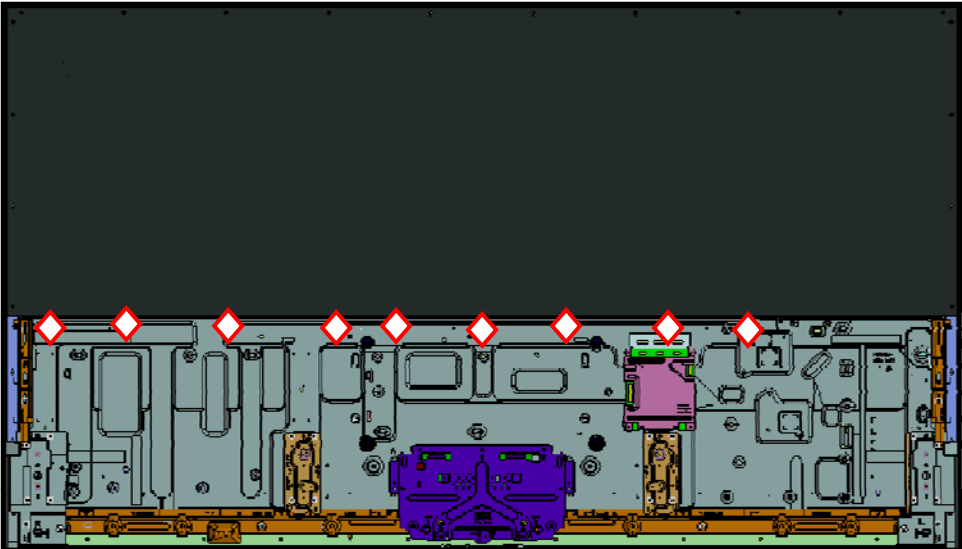
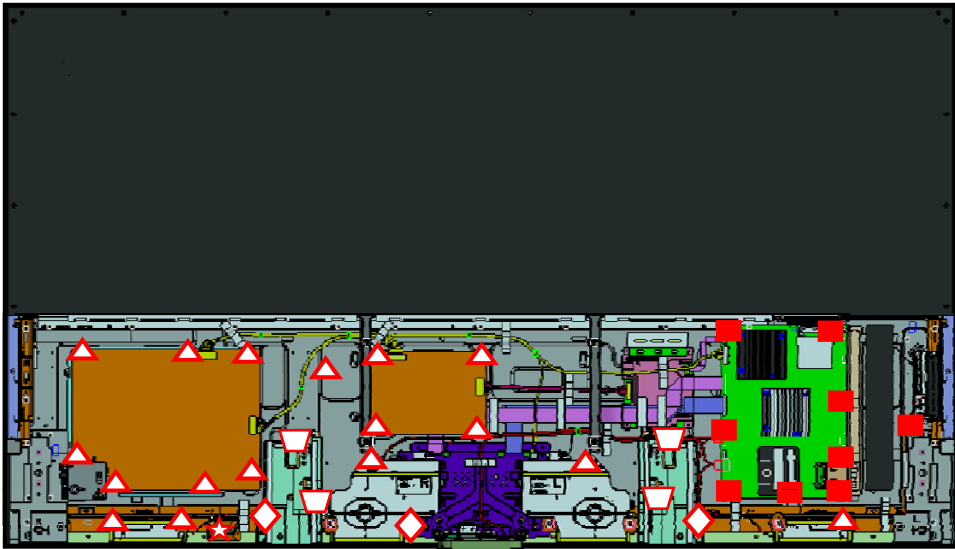


REF. NO.	DESCRIPTION	PART NO.	KD-75X9100C
			DESTINATION
			SANZ AZ1 ( Australia , New Zealand )
101	HARNESS ASSY (CN6401(G1D)-CN9000(BMFW)-TCON/CN6602(G1C)-CN6402(G1D) (1) )	1-910-110-25	•
102	CONNECTOR ASSY 14P (CN6601(G1C)-LD (1) )	1-910-110-27	•
103	FLEXIBLE FLAT CABLE 24P (CN8301(BMFW)-LD (1) )	1-910-110-02	•
104	FLEXIBLE FLAT CABLE 41P (CN3600(BMFW)-TCON (1) )	1-849-017-11	•
105	FLEXIBLE FLAT CABLE 51P CN3601(BMFW)-TCON (1) )	1-849-023-11	•
106	HARNESS ASSY(MAIN) (CN1000(BMFW)-CN101(HSC3)-WIFI-SM/CN7700(BMFW)-SP (1) )	1-910-110-26	•

5-2-4. SCREWS



REF.	DESCRIPTION	PART No.
■	SCREW , +PWH M3X6	4-452-935-01
□	SCREW, +BVTP 4X12 TYPE2 IT-3	2-580-639-01
☆	SCREW (+PSW) (M3X6)	2-990-421-41
△	SCREW, +PSW M3X6 W12	4-256-393-12
◇	SCREW, +PSW M3X8	2-580-593-01
⬡	SCREW, +PSW M6X12	* 4-567-081-01
▽	SCREW +PSW,M4X10	4-572-224-01

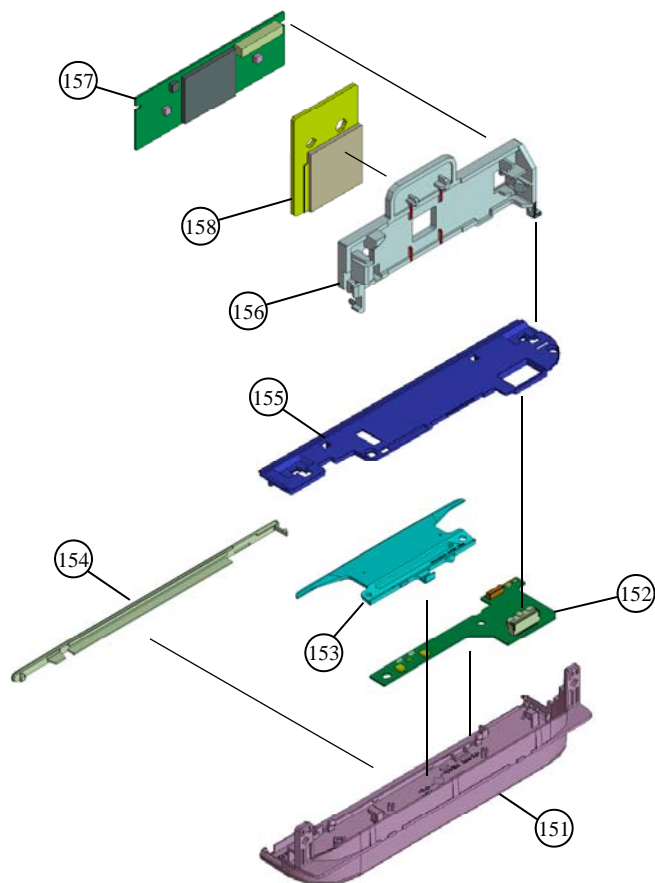


## 5-2-5. OTHER PARTS

REF. NO.	DESCRIPTION	PART NO.	KD-75X9100C
			DESTINATION
			SANZ AZ1 ( Australia , New Zealand )
	3D EYEWEARTDG-BT500A(SVC)GA+LA	1-458-628-21	•
	ADHESIVE (SV380C) 333CC GRY	* 7-600-040-44	•
	BAG, SCREW (2L CRN) A	4-549-977-01	•
	BAG, SCREW A (CCT)	4-462-871-01	•
	BAG,SCREW (3L CRN) BAR A	4-573-263-01	•
	BG COVER ASSY (3L CRN)	4-562-580-01	•
	BRACKET, TOP FL (MOLD)	4-546-441-01	•
	CASE, BATTERY (SERVICE)	4-460-760-01	•
	CLAMPER, CABLE	4-262-708-04	•
	CLAMPER, CABLE (M)	4-485-653-01	•
	CUSHION 825C	4-535-308-41	•
	HEAT SINK (MUFF C)	* 4-549-395-01	•
	HEAT, SINK (MUFF)	* 4-547-493-01	•
	HOLDER(HS MUF)	* 4-549-188-01	•
	HOLDER, HS WS (MUF)	* 4-548-743-01	•
	JOINT	* 2-639-807-12	•
	PAD, NOSE (SERVICE)	4-460-761-01	•
	PULLEY, STAND (CRN) IN	4-559-548-01	•
	RCA CONVERSION CABLE	* 1-848-803-11	•
	RCA CONVERSION CABLE	1-848-907-11	•
	REMOTE COMMANDER (RMF-TX100E)	1-492-950-11	•
	REMOTE COMMANDER (RMT-TX100A)	1-492-966-11	•
	SCREW, +PSW M5X12	2-580-607-01	•
	SHEET, THERMAL (SC)	4-549-528-11	•
	SHEET, THERMAL(BM)	4-549-186-01	•
	TAPE (3M 1350FB-1)15MMX66M BLK	7-600-031-97	•
	WALL MOUNT BAR (3L CRN) A	4-562-569-01	•
	WALL MOUNT BRACKET (L CRN) A	4-549-999-01	•

## 5-3. KD-75X9\*C

### 5-3-1. SMART CORE (M, L)



REF. NO.	DESCRIPTION	PART NO.	KD-75X9100C
			DESTINATION
			SANZ AZ1 ( Australia , New Zealand )
151	CASE, BOTTOM (M)	4-547-392-01	•
152	HSC3_S_M MOUNT	A-2066-088-A	•
153	LIGHT, GUIDE	4-547-390-01	•
154	PANEL, ORNAMENT	4-547-389-01	•
155	COVER, TOP	4-547-395-01	•
156	BRACKET, WIFI	4-547-397-02	•
157	WLAN/BT MODULE(11AC)	1-458-853-11	•
158	HEAT SINK L(SC)	4-566-841-01	•

# END

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# APPENDIX-1

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## How to USB update

**Please refer to Service Procedure for Panel , Board and Software Change / Upgrade Manual , part number 9-888-180-0x in TISS .**

Soft

Af  
th  
o

**Please refer to Service Procedure for Panel , Board and Software Change / Upgrade Manual , part number 9-888-180-0x in TISS .**

d  
data  
deion  
viceote  
e set  
AC  
by

TV will reboot and turn on again.

remote power key.

Soft

**Please refer to Service Procedure for Panel , Board and Software Change / Upgrade Manual , part number 9-888-180-0x in TISS .**

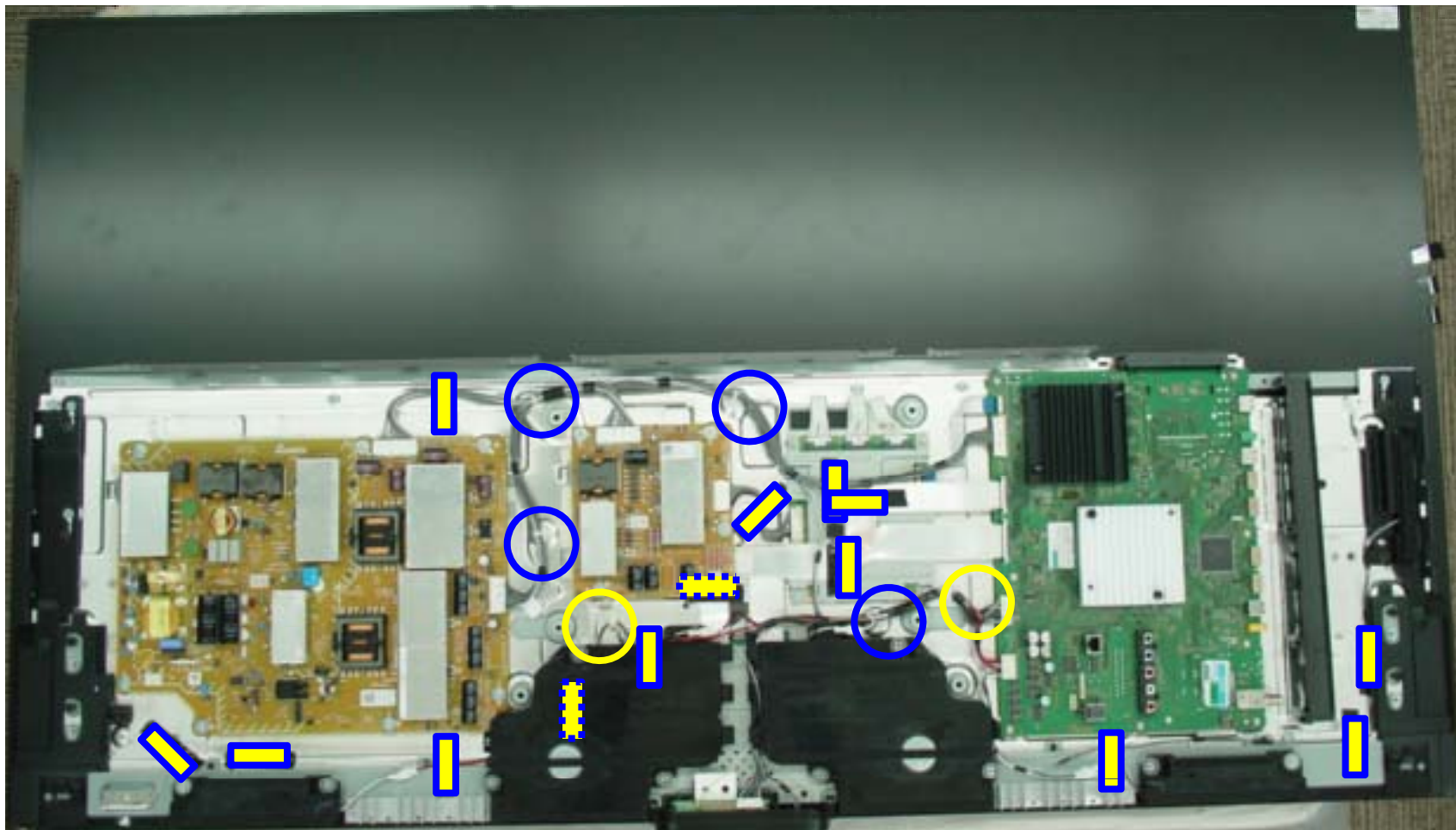
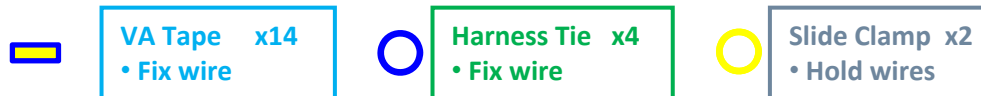
TV will reboot and turn on again.

10sec then AC plug-in), turn on the TV  
by remote power key.



## APPENDIX-2

### Wire Dressing (KD-55X9\*C)



## Wire Dressing (KD-65X9\*C)



# APPENDIX-3

## HANDLING GUIDE

### How to read this guidance

- This guidance is basically written for the case of off-line situation.  
But we recommend using shoulder JIG etc. if it is available.
- The information about Pre E-MOD is for SOE'M (E-MOD ASSY Factory).  
Refer to E-MOD information for WW factory .
- To prevent the stain or dropping by slip , do not handle by bare hands.
- Please handle by 2 operators or more.
- This guidance will be updated by your kindly feedback for improve .
- For simple description, OK and NG are indicated by red and blue frame .

Ex.)



Blue Frame means  
OK.  
(Recommended)



Red Frame  
means NG.  
(prohibited)

### About mold area on the cell



Mold area



Just touching



Do not push strongly

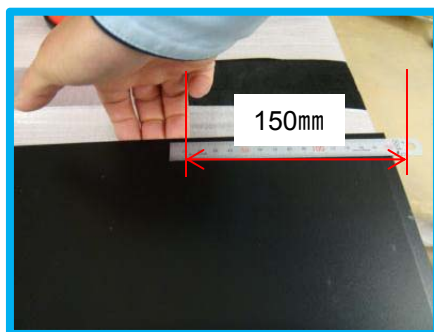
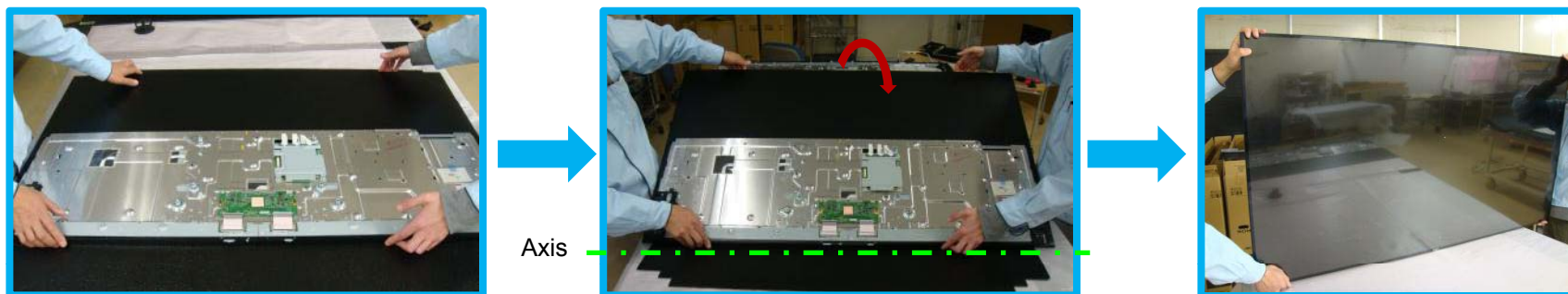
FOR Pre E-MOD

FOR E-MOD

## HANDLING GUIDE

How to hold up the E-MOD (in case of operators can stand by side)

FOR E-MOD



Caution① Do not hold the area in 150 mm from side edge.



Caution② Do not put on hard table .  
AL frame has some structure on bottom surface.

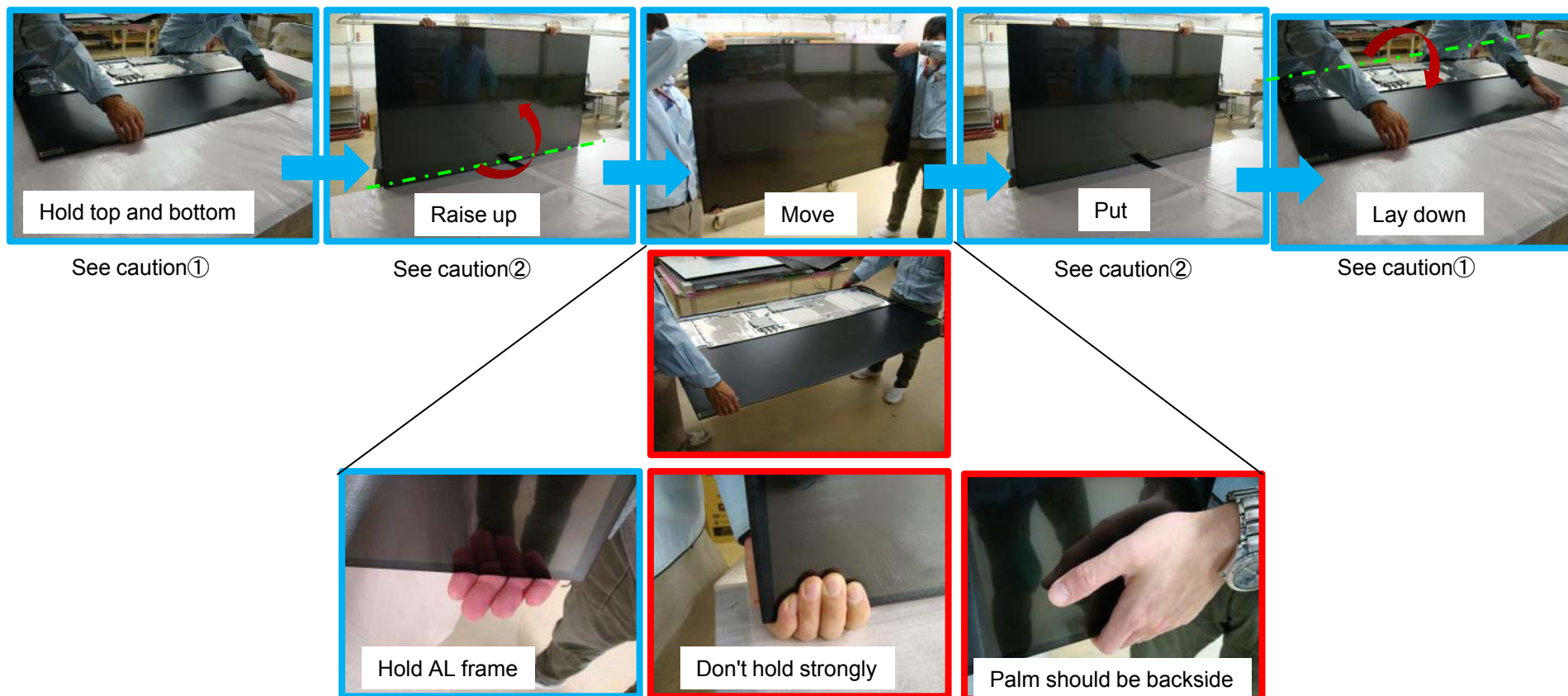




## HANDLING GUIDE

How to hold up the E-MOD (in case of operators can not stand by side)

FOR E-MOD



## HANDLING GUIDE

## Prohibited operation-1

FOR Pre E-MOD

FOR E-MOD



To prevent scratch



## HANDLING GUIDE

### Prohibited operation-2

FOR Pre E-MOD

FOR E-MOD

To prevent deformation and warping



## HANDLING GUIDE

### Prohibited operation-3

FOR E-MOD

To prevent deformation and warping



### Prohibited operation-4

FOR Pre E-MOD

You can't hold bottom side because Pre E-MOD doesn't have bottom AL frame yet.



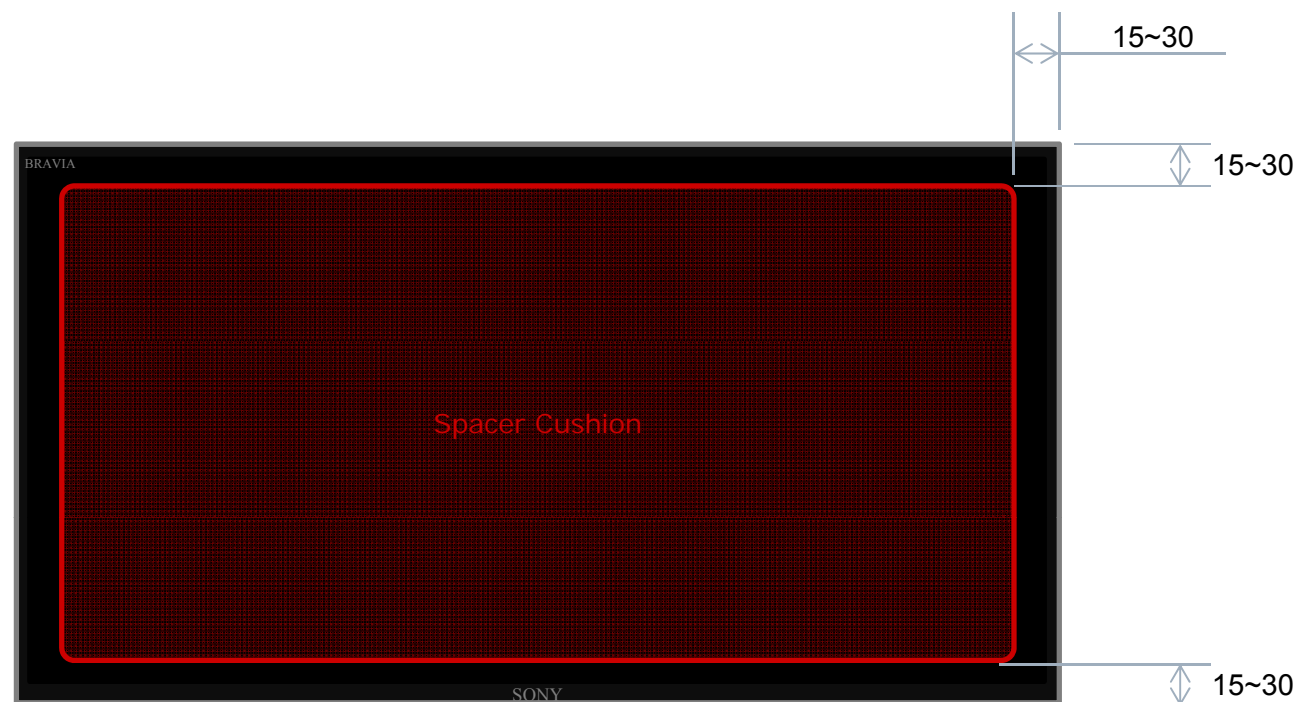
To prevent deformation and warping



※Basically use Line JIG for Pre E-MOD handling .



## HANDLING GUIDE

**About Work Table (Pallet)**

Please don't let mold area touch table(pallet) surface to prevent scratch.  
Refer to below drawing about the size of spacer cushion . (15~30mm From AL Frame)

FOR Pre E-MOD

FOR E-MOD

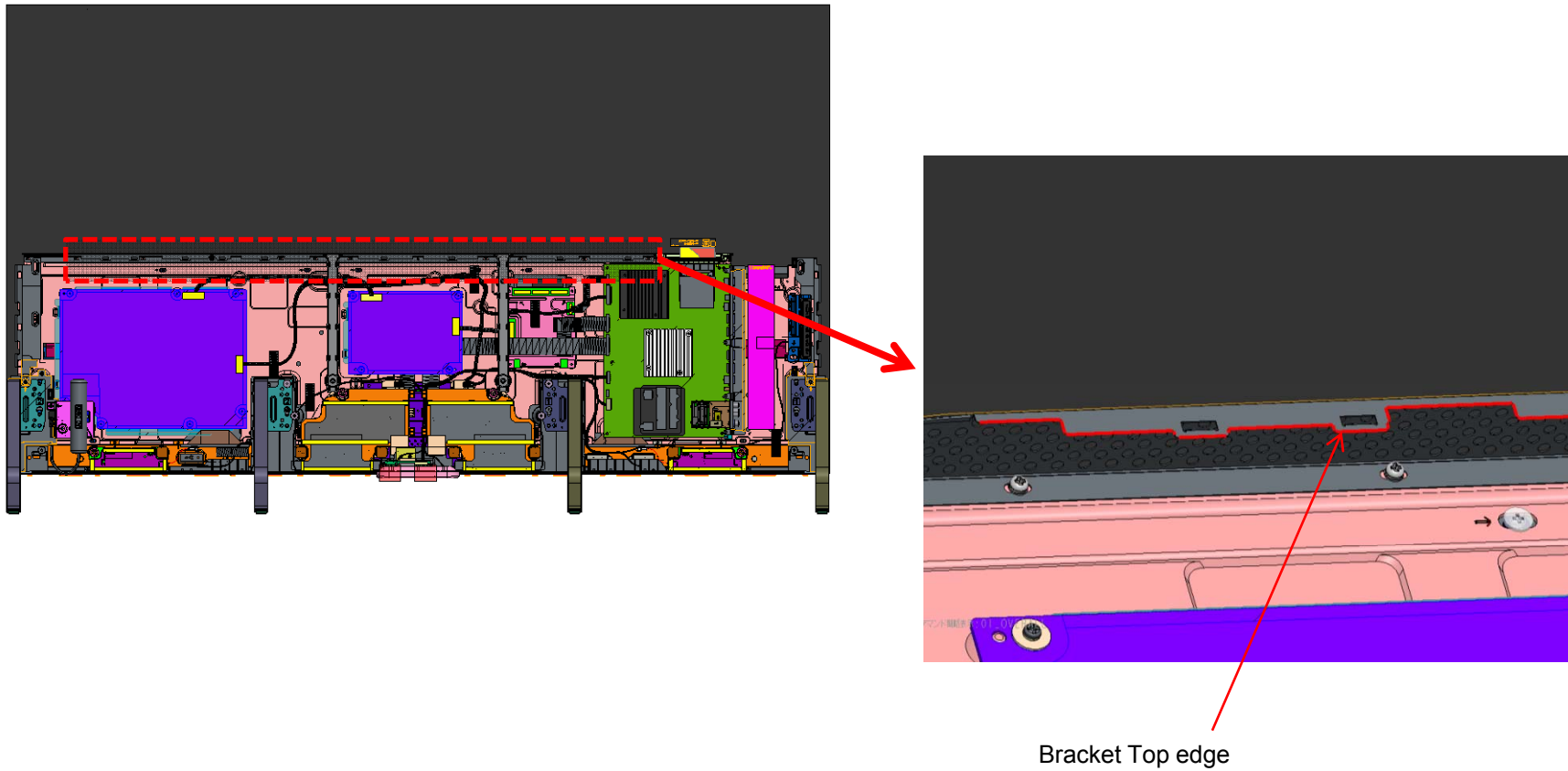
**About Storage on surface**

Please don't let mold area touch table(pallet) surface to prevent scratch.  
We recommend spacer cushion warping spec as max 2 mm.  
Especially temperature and humidity uncontrollable condition or shortly after UV irradiation.  
Refer to below drawing about the size of spacer cushion . (15~50mm From AL Frame)  
As long as the productivity permits , please make the spacer cushion size Max .

FOR Pre E-MOD

# APPENDIX X-4

## SHARP EDGE INFORMATION

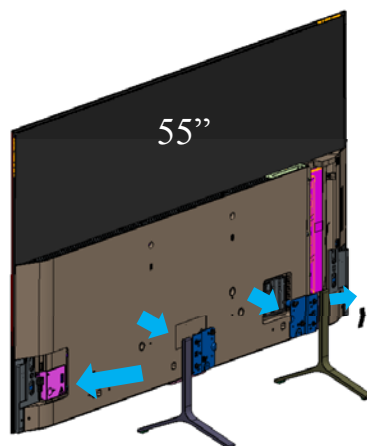
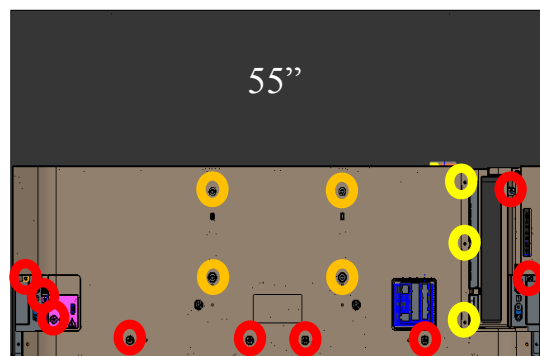


# APPENDIX X-5

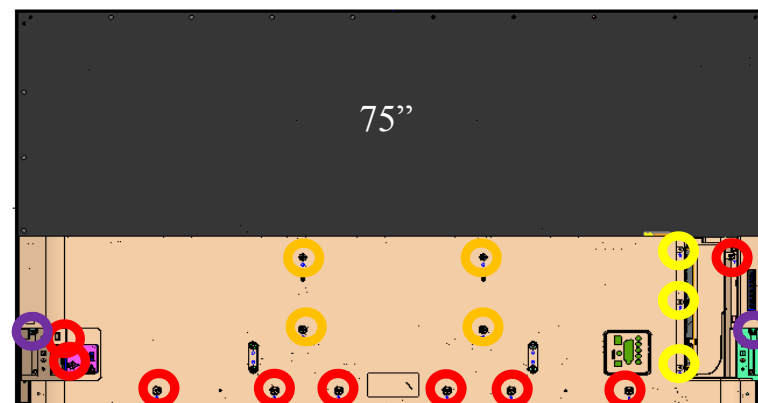
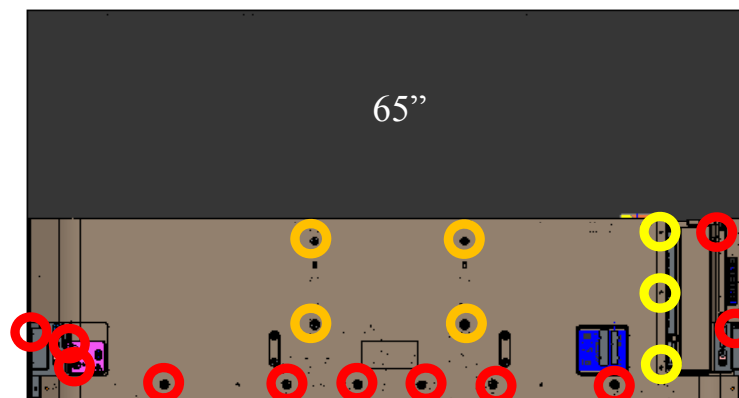
## PROCEDURE TO DISASSEMBLY/RE-ASSEMBLY REAR COVER

### Procedure to Disassembly

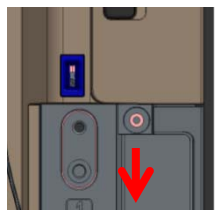
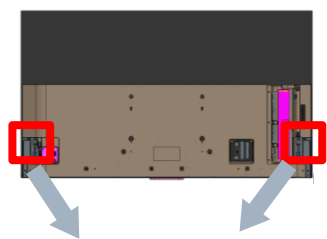
1. Remove all screw for rear cover, Stand, VESA screw.



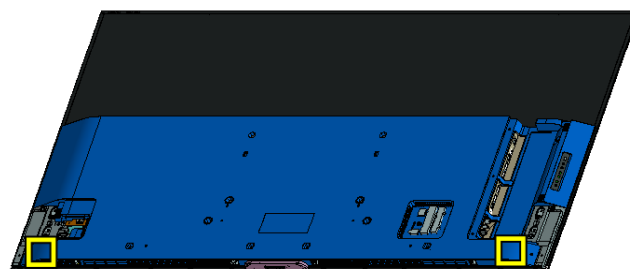
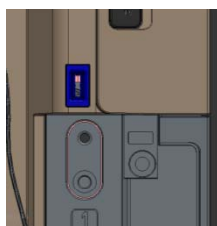
Stand Inner position <55"> No service position  
Stand outer position <55"> service position



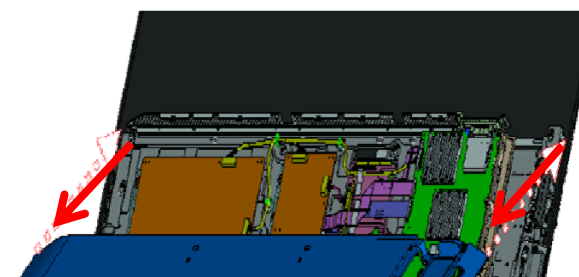
2. Pull up reflector structure on rear cover.



Slide to bottom side



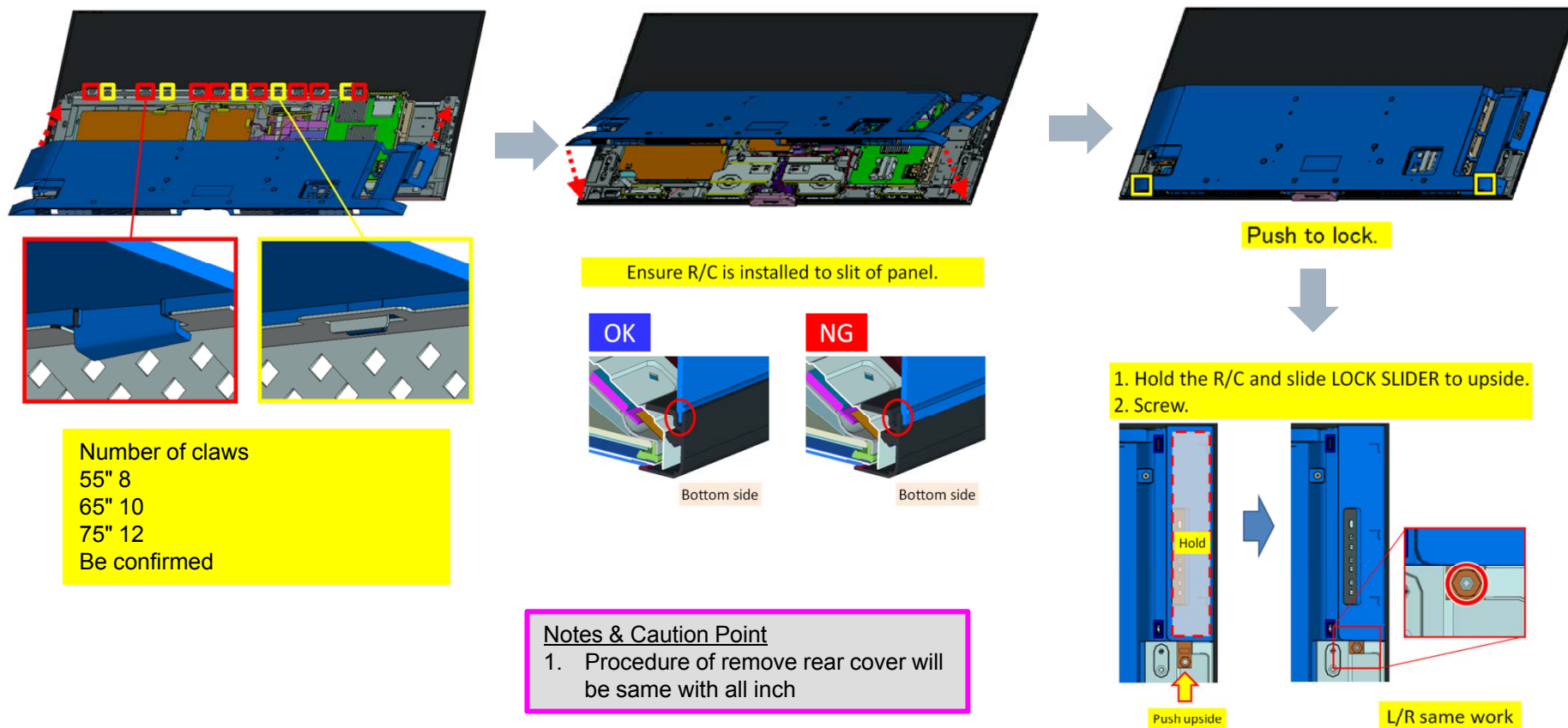
Pull to Unlock



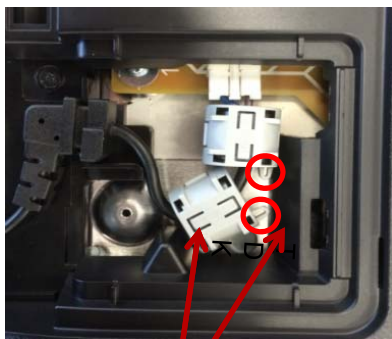
**Notes & Caution Point**

1. Procedure of remove rear cover will be same with all inch

## Procedure to Re-assembly

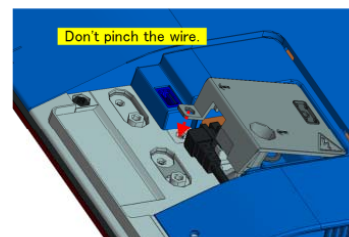
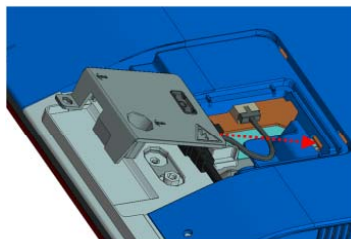


ADD CORE for AC  
CORD



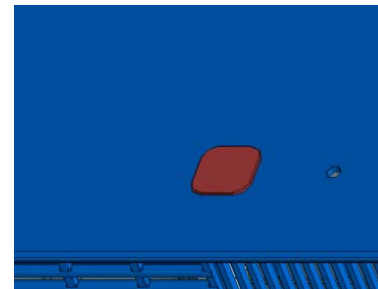
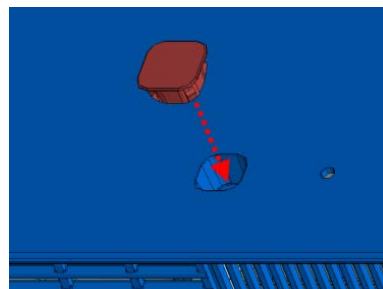
XB 55" only  
Add Core to AC CORD  
Please check convex position

Core color is Dark Gray



Tighten all screw for rear cover VESA screw

When screw AC COVER,  
please hold AC CORD as below picture.



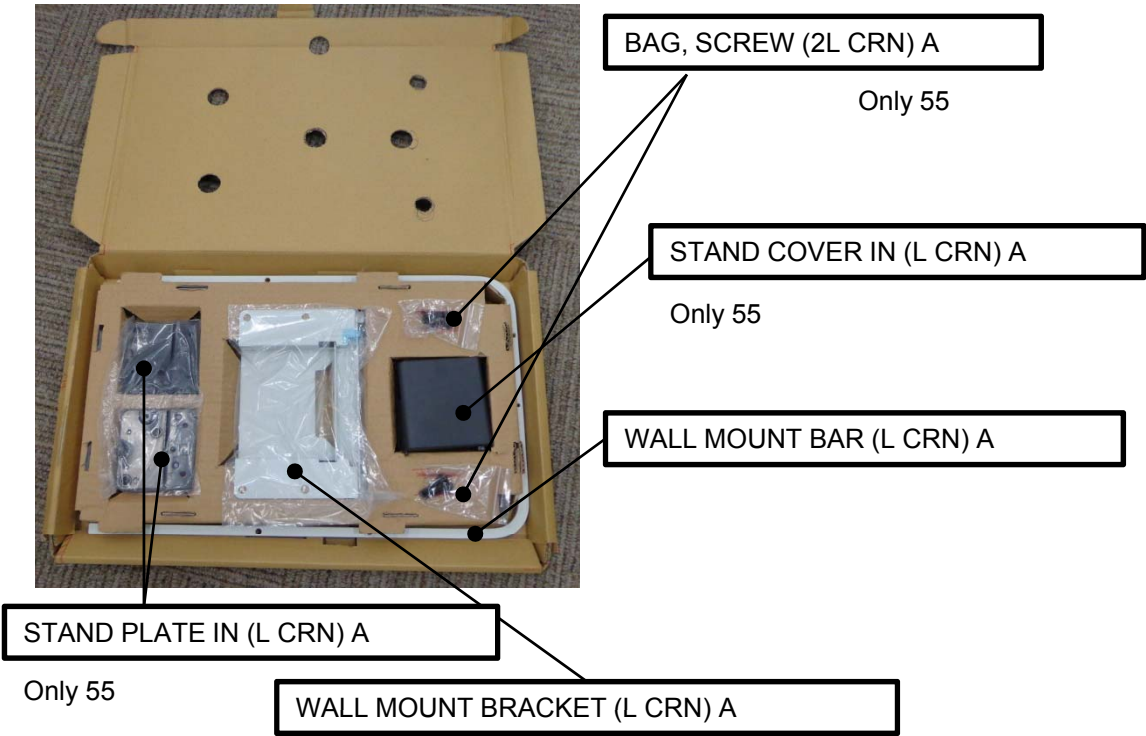
Install SCREW CAP

#### Notes & Caution Point

1. Procedure of remove rear cover will be same with all inch

# APPENDIX X-6

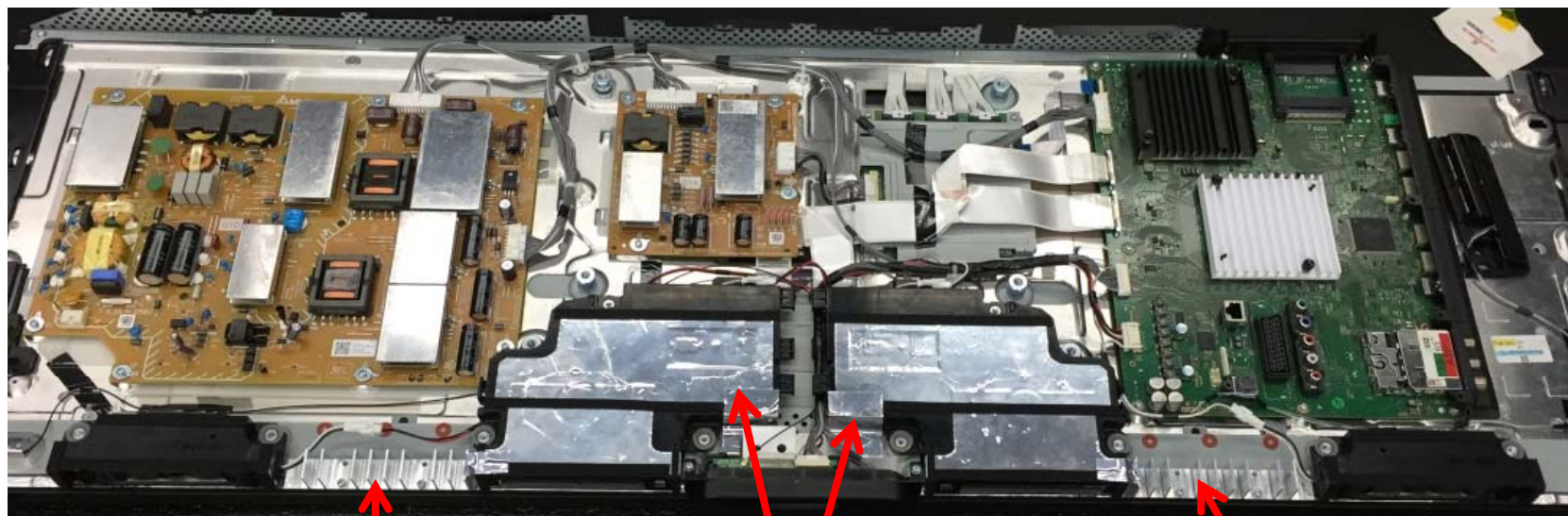
## XB ACC BOX



	55"	65"
ACC BOX (L CRN) A	1	1
BAG, SCREW (2L CRN) A (P/N: 4-549-977-01)	2	2
BAG, POLYETHYLENE, STANDARD	1	1
SCREW, +PSW M6X32 (CRN)	2	2
STAND COVER IN (L CRN) A (P/N: 4-549-982-01)	1	Not Included
COVER STAND R (L CRN)	1	Not Included
COVER STAND L (L CRN)	1	Not Included
BAG, STAND COVER(L CRN)	1	Not Included
WALL MOUNT BAR (L CRN) A (P/N: 4-549-961-01)	1	Not Included
WALL MOUNT BAR (2L CRN) A (P/N: 4-549-960-01)	Not Included	1
BAR HOLDER LOWER (L CRN)	1	1
BAR HOLDER UPPER (L CRN)	1	1
WALL MOUNT BAR (L CRN)	1	NA
WALL MOUNT BAR (2L CRN)	NA	1
STAND PLATE IN (L CRN) A (P/N: 4-549-978-01)	1	Not Included
STAND PLATE IN R (L CRN)	1	Not Included
STAND PLATE IN L (L CRN)	1	Not Included
BAG, STAND PLATE (L CRN)	1	Not Included
WALL MOUNT BRACKET (L CRN) A (P/N: 4-549-999-01)	1	1
WALL MOUNT BRACKET (L CRN)	1	1
CUSHION BAR (CRN)	2	2
LOCK WALL MOUNT (L CRN)	1	1
PIN, LOCK (CRN)	1	1
BAG, WALL MOUNT	1	1
WM TEMPLATE INSTALLATION CRN	1	1
CUSHION WALL MOUNT (CRN)	1	1



## Information for location of HEAT SINK (2L CRN) and HAET SINK TAPE TOP (CRN)



HEAT SINK R (2L CRN)

HS TAPE TOP (CRN)

HEAT SINK L (2L CRN)



# APPENDIX-7

## INSTALLING THE TV TO THE WALL

### 1 Prepare necessary items.

#### Wall-Mount Bracket accessories (supplied)

Ⓐ Paper Template

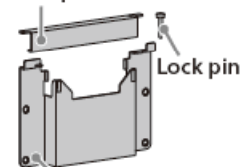
Ⓜ Wall-Mount Bracket

Ⓜ U-shaped Bar

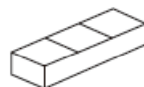
Ⓚ Cushion



Lock plate

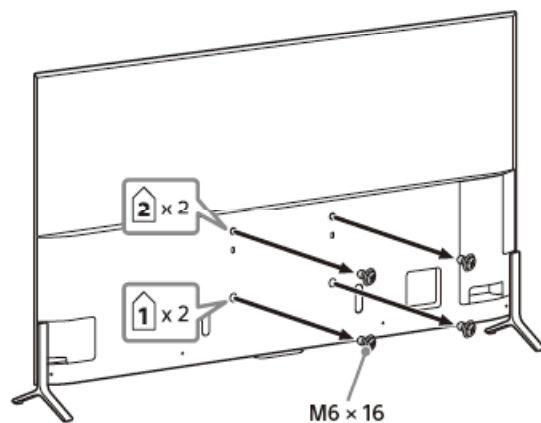


Wall-Mount Bracket

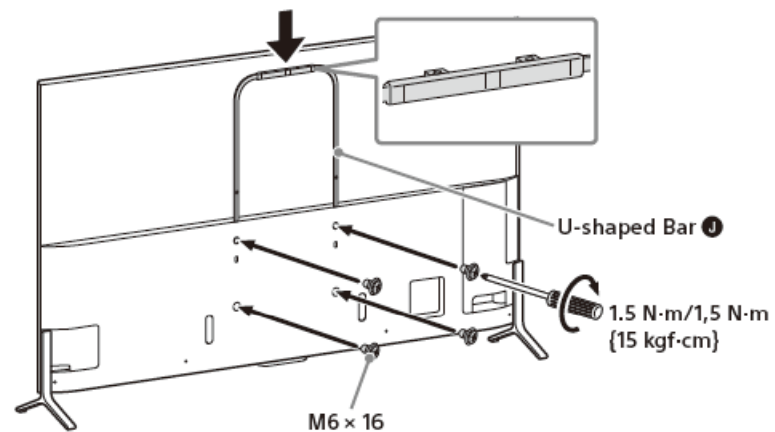


Screws for Wall-Mount Bracket (8 mm in diameter, not supplied) (4)

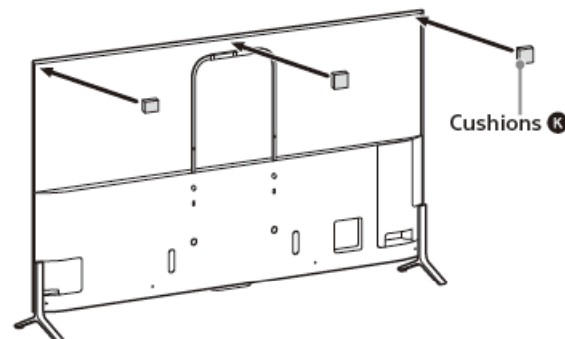
### 2 Remove the screws from the rear of the TV.



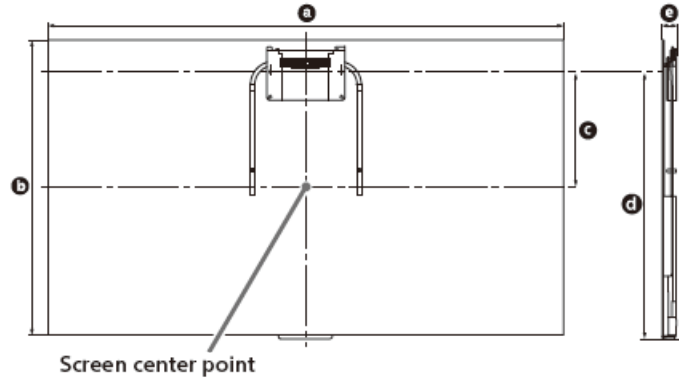
### 3 Attach the U-shaped Bar Ⓜ (supplied with the TV) to the rear of the TV.



### 4 Attach the cushions Ⓚ to the rear of the TV.



- 5 Make sure that the wall has enough space for the TV and is capable of supporting a weight of at least four times that of the TV.  
Refer to the following table on installing the TV to the wall. See page 30-34 (Specifications) for the TV's weight.



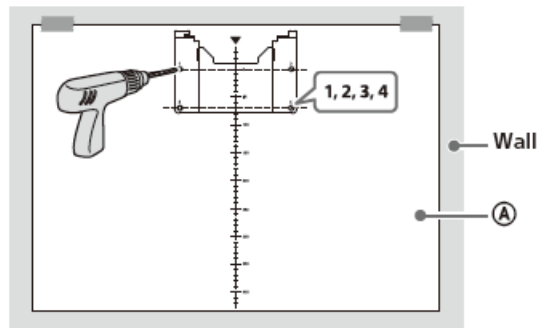
Unit: mm

Model Name XBR-	Display dimensions		Screen center dimension	Length for mounting	
	a	b	c	d	e
65X907C / 65X905C	1,451	835	325	747	40
55X907C / 55X905C	1,232	712	263	624	40

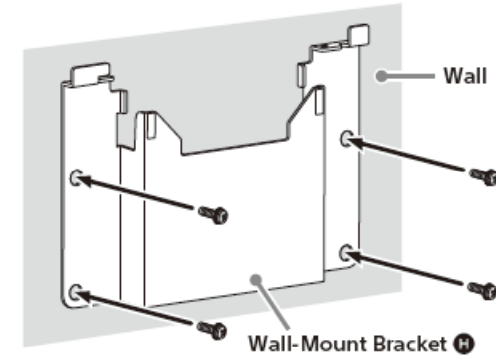
**Note**

- Figures in the table may differ slightly depending on the installation.

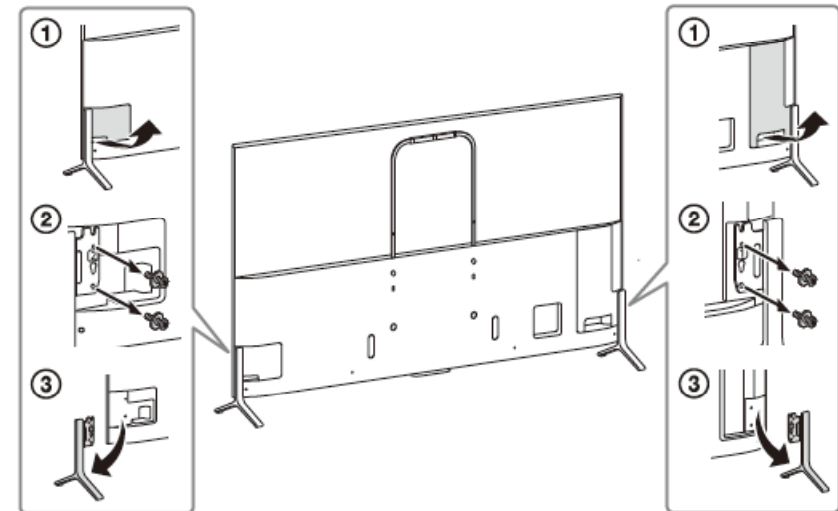
- 6 Tape the Paper Template (A) to the wall and drill holes according to the numbering on the Paper Template (A) using an electric drill.



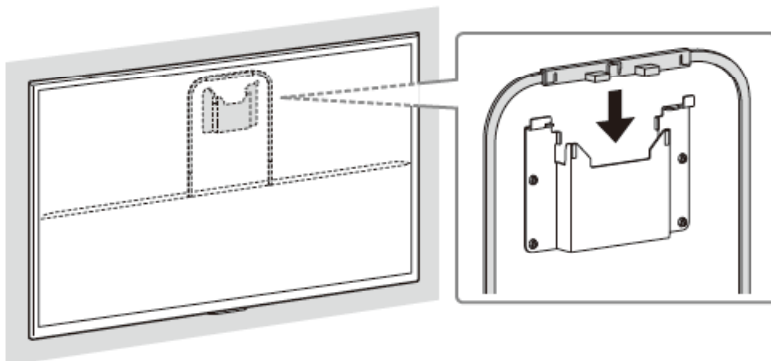
- 7 Remove the Paper Template (A) from the wall.  
8 Attach the Wall-Mount Bracket (H) (supplied with the TV) to the wall correctly using screws (8 mm in diameter, not supplied).



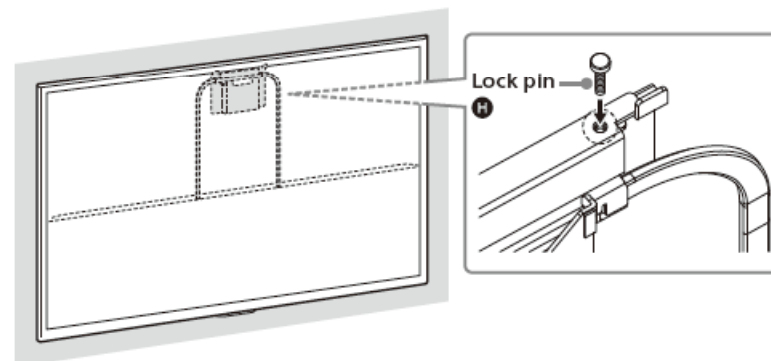
- 9 Remove the terminal covers and detach the Table-Top Stand from the TV.



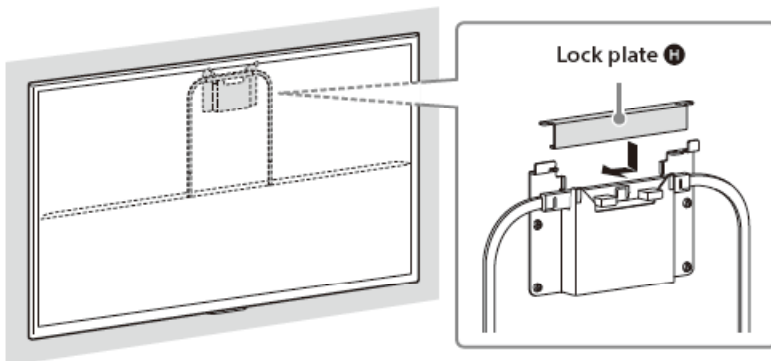
10 Hang the U-shaped Bar to the Wall-Mount Bracket on the wall.



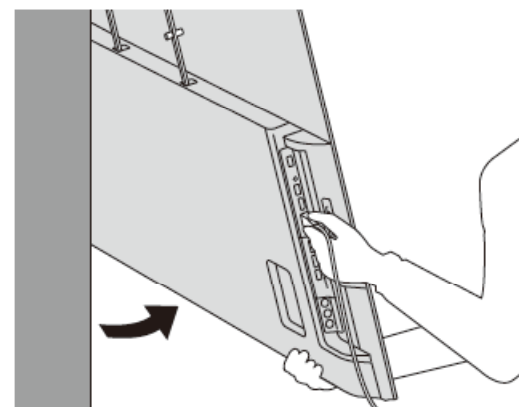
12 Insert the lock pin **H** (supplied with the TV).



11 Attach the lock plate **H** (supplied with the TV).



13 Connect cables with TV by tilting it forward.



#### Note

- Two people are needed to carry out this installation.
- Be sure to fasten the U-shaped Bar when attaching them to the TV.
- Use only a flat head screwdriver to install the U-shaped Bar. Use of another tool might result in over torquing the U-shaped Bar and damaging the TV.
- If using an electric screwdriver, set the torque at approximately 1.5 N·m (15 kgf·cm).