

SERVICE MANUAL

ORIGINAL MANUAL ISSUE DATE: 2/2016

GN2SK CHASSIS

Segment: QF

| Version | Date | Subject |
|----------------|-------------|---|
| 1.0 | 2/2016 | Original manual issue. |
| 2.0 | 3/2016 | Addition of 75" model. (P.2, P.61, P.64~78, P.168~221, P.233~239) Correction of information. (P.8) |

LCD TV

SONY®

MODEL LIST

| <i>MODEL</i> | <i>COLOR</i> | <i>COMMANDER</i> | <i>DEST.</i> |
|--------------------|--------------|-------------------|---|
| XBR-55X930D | <i>Black</i> | <i>RMF-TX200U</i> | <i>(UC2)</i> <i>US/CND</i> |
| XBR-65X930D | <i>Black</i> | <i>RMF-TX200U</i> | <i>(UC2)</i> <i>US/CND</i> <i>(LA1)</i> <i>MEXICO</i> |
| XBR-65X935D | <i>Black</i> | <i>RMF-TX200B</i> | <i>(LA8)</i> <i>CHILE</i> <i>PERU</i> <i>VENEZUELA</i> <i>(AR4)</i> <i>ARGENTINA</i> <i>(ECU)</i> <i>ECUADOR</i> |
| XBR-65X937D | <i>Black</i> | <i>RMF-TX200B</i> | <i>(CO1)</i> <i>COLOMBIA</i> |
| XBR-75X940D | <i>Black</i> | <i>RMF-TX200U</i> | <i>(UC2)</i> <i>US/CND</i> |

| <i>MODEL</i> | <i>COLOR</i> | <i>COMMANDER</i> | <i>DEST.</i> |
|--------------|--------------|------------------|--------------|
|--------------|--------------|------------------|--------------|

WARNINGS AND CAUTIONS - ENGLISH

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

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 pour 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!!

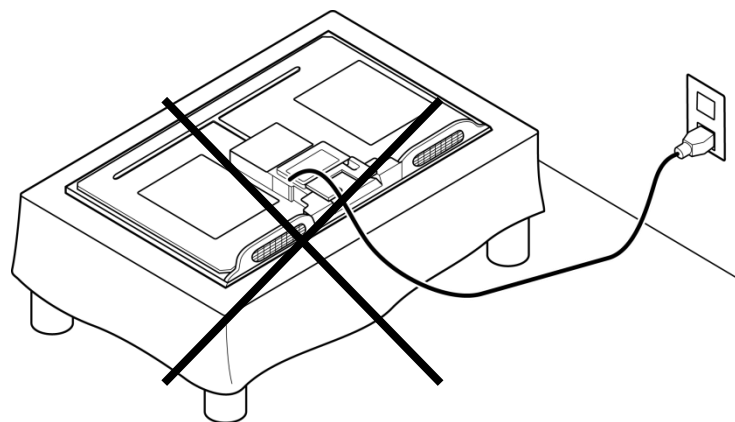
Les composants identifiés par une trame et par une marque  sur les schémas de principe, les vues explosées et les listes de pièces sont d'une importance critique pour la sécurité du fonctionnement. Ne les remplacer que par des composants Sony dont le numéro de pièce est indiqué dans le présent manuel 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.

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

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

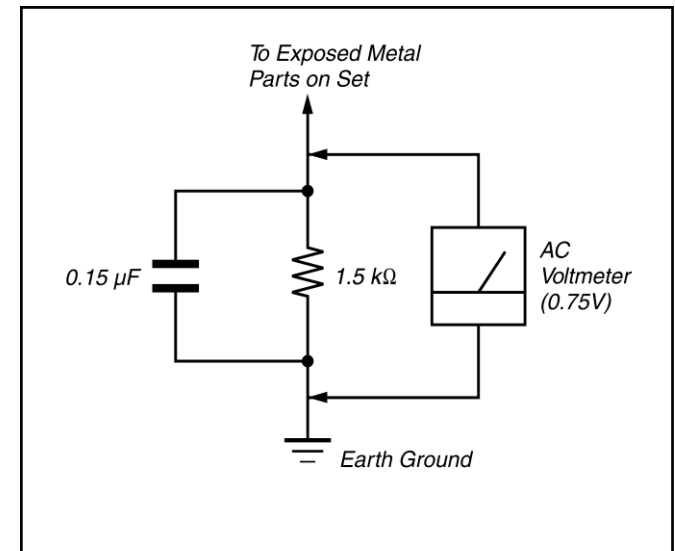
1. Check the area of your repair for unsoldered or poorly soldered connections. Check the entire board surface for solder splashes and bridges.
2. Check the interboard wiring to ensure that no wires are “pinched” or touching high-wattage resistors.
3. Check that all control knobs, shields, covers, ground 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).

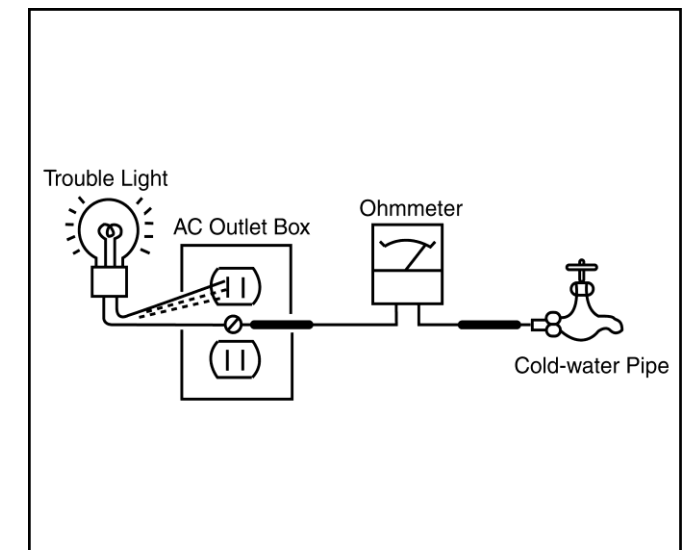


Figure B. Checking for earth ground.

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 .

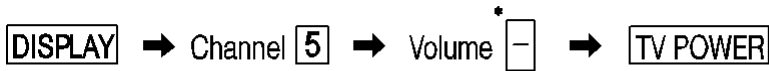
<G>: Power supply board, : Main board, <T>: Tcon board, (LD) board, <P>: Panel module, <S>: Speaker, <A>: Power Adapter, <D>: DPS 4K BE board

| RED LED blinking count | Detection Items |
|------------------------|--|
| 2x | <G/B/A> Main 12V over voltage [MAIN_POWER] |
| 3x | Main 5.0V failure [DC_ALERT] |
| | <B/S> Audio amp. protection [AUD_ERR] |
| 4x | <LD/P/D> LED driver failure/LED voltage protection [LD_ERR] |
| | <i><LD/P/D> Error detection of the I2C communication between the Main device and the LD IC.[BCM_ERR]</i> |
| 5x | <i><P/T/G/B> Panel ID EEPROM I2C No ACK (Also panel power failure is a suspect) [P_ID_ERR]</i> |
| | <T> Tcon IC I2C communication error [TCON_ERR] |
| 6x | <G/P/B/LD/D> Backlight failure [BACKLIGHT] |
| 7x | Over temperature protection [TEMP_ERR] |
| | Temp. sensor I2C No ACK [TEMP_ERR] |
| | <B/D> V By One lock error between Main device and 4KBE device [4KBE_ERR] |
| | 4KBE device UART communication error detection. |
| 8x | <B/D> Software error [SW_ERR] |

Red italic: detect at startup sequence only.

[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: 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 +)

Format of error timestamps

YYMMDDhhmmss (in UTC)

Example:

120823132523 -> Aug 23 2012 13:25:23 UTC

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

- 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]

" These items are disabled."

Smart Core Red LED blinking count

| Error Code | Error Name | Timestamp 1 | Timestamp 2 | Timestamp 3 | Count |
|------------|---------------|--------------|--------------|--------------|-------|
| 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

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 .

To exit the Self Diagnostic screen...

*If you want to finish service mode app, do AC OFF/ON

→Service mode app is disable perfectly

*if you want to move home menu, push <HOME> button

→Service mode app do background(not disable perfectly)

NOTE:

This model does not have the function to clear the error history of self-diagnostic screen by the operation of “press the Channel 8 => Channel 0”.

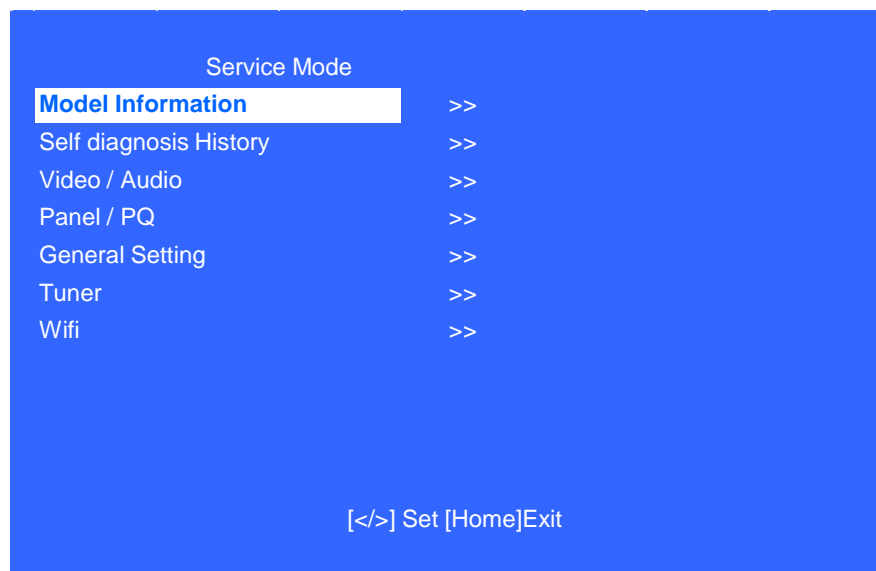
ADJUSTMENT

HOW TO ENTER SERVICE MODE

- 1) Turn on the main power switch to place the set in standby mode.
- 2) Press the buttons on the remote commander as follows with the interval of one second for each push, and enter service mode.

DISPLAY → Channel 5 → Volume + → TV POWER

- 3) Service mode display.



- 4) How to use the remote commander.

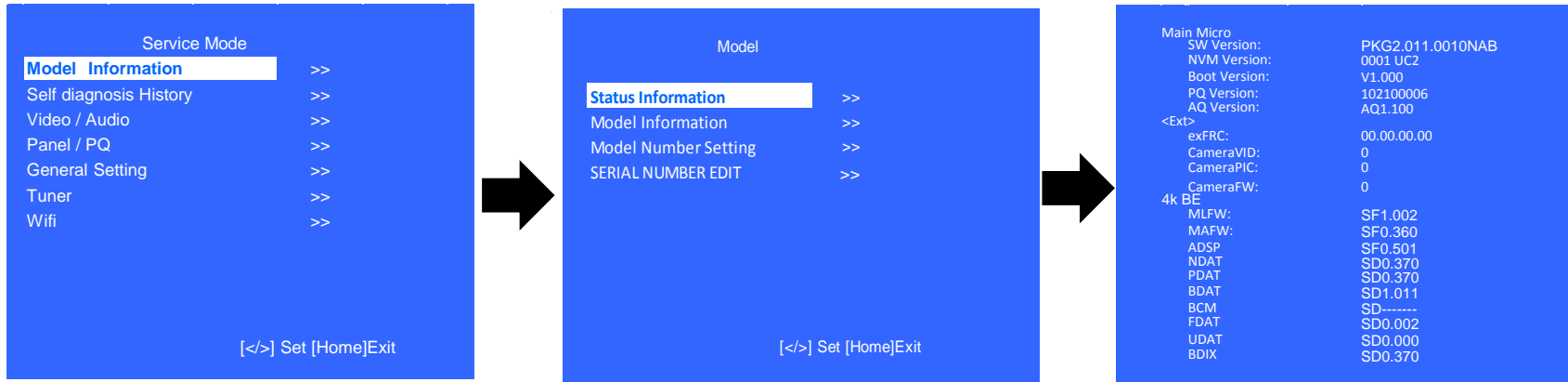
| Function | The flow of control |
|------------------------|-----------------------------|
| Service mode on | <Display><5><Vol Up><Power> |
| Service mode off | AC plug OFF/Menu* |
| Item up / down | <↑>/ <↓> |
| Item select left/right | <←>/<→> |
| Execute | <OK> |

*When finished the operation of service mode, please AC Plug OFF/ON the TV set.

If you don't do AC plug OFF/ON, remain the Service Mode App and User can see the Service Mode after RC ON.
(Refer the previous page.)

SOFTWARE VERSION

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

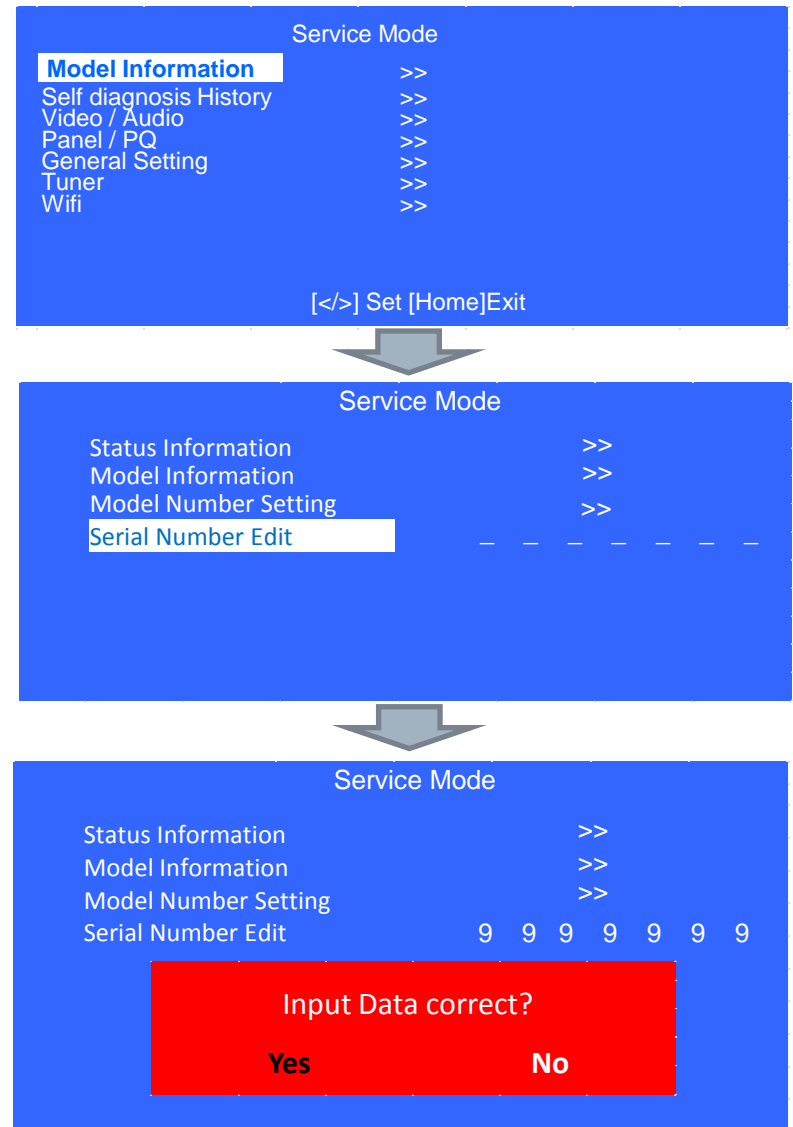


2) Press “Enter” or “Return” button to return to Service Mode.



SERIAL NUMBER EDIT (1)

- 1) In “Service Mode”, select “Model Information” by pressing “↑” or “↓” then press “Enter” or “→” button to enter inside.
 - 2) Select “Serial Number Edit” by pressing “↑” or “↓” button then press “→” 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.

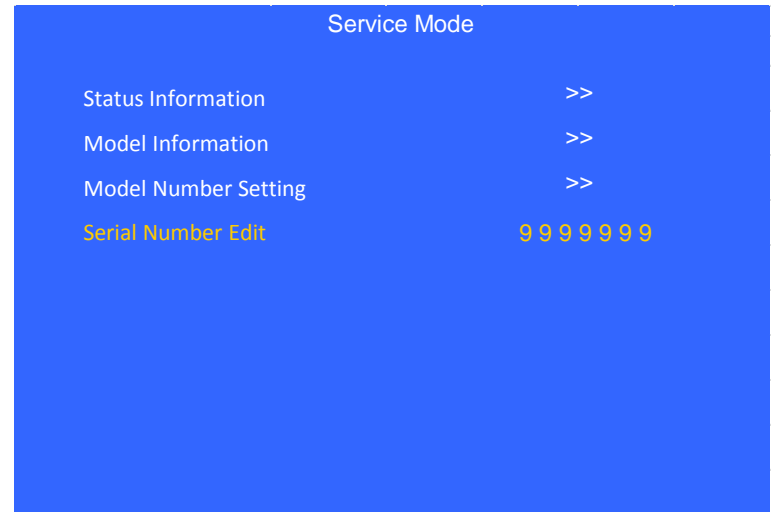


SERIAL NUMBER EDIT (2)

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.

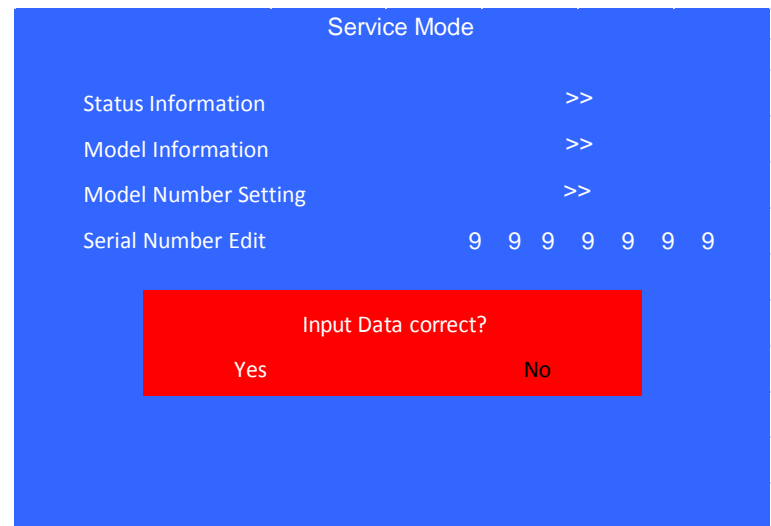
User will **not able to edit** anymore.



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

The serial number that has been input is displayed.

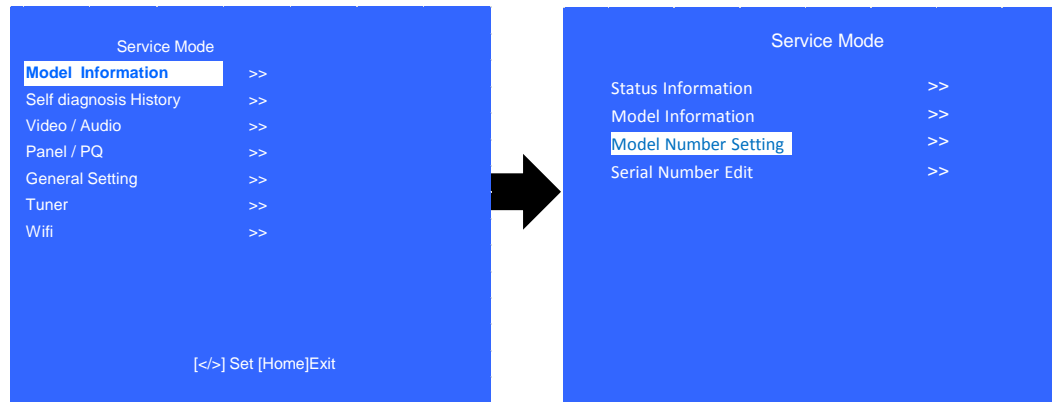
User can still edit the Serial Number.



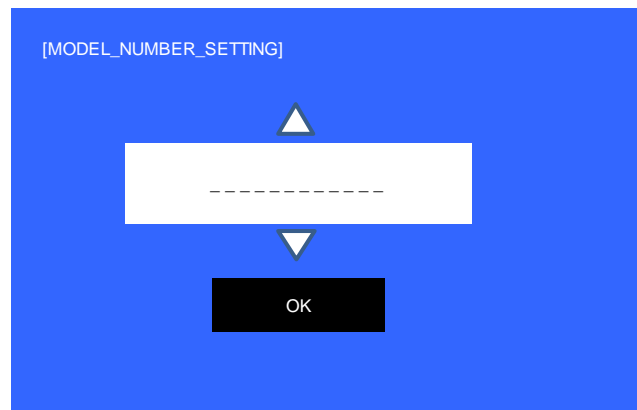
MODEL NUMBER SETTING

- 1) In “Service Mode”, select “Model Information” by pressing “↑” or “↓” then press “Enter” or “→” button to enter inside.
- 2) Select “Model Number Setting” by pressing “↑” or “↓” button then press “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.

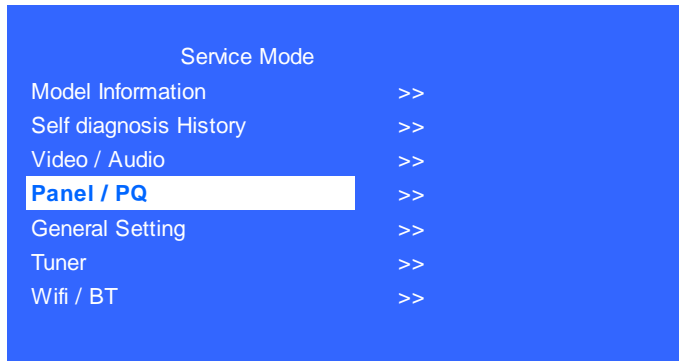


WB ADJUSTMENT

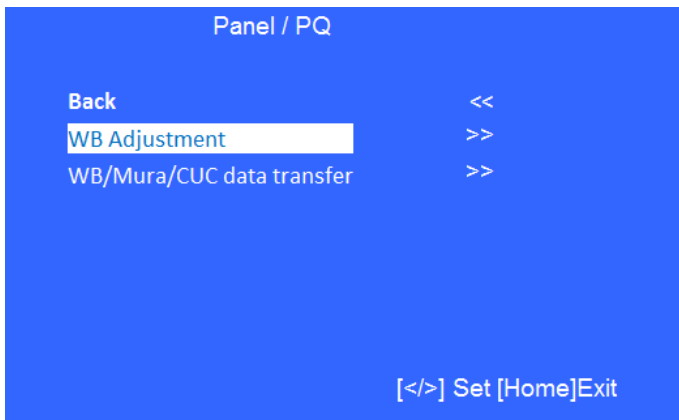
(Please apply when the Main board or panel is replaced.)

In “Panel/PQ” service mode.

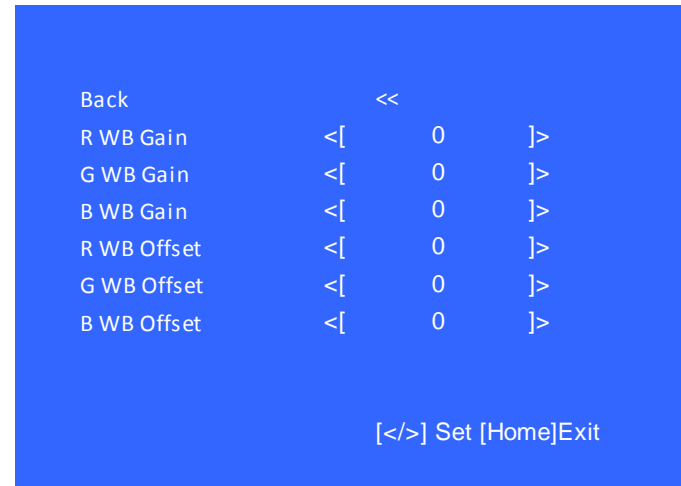
a. Go to “WB Adjustment” category by “↑” or “↓”.



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



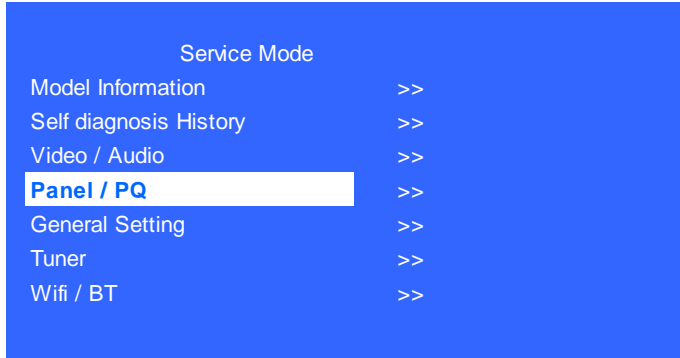
c. To change data , press “←” or “→” on remote commander.



WB/MURA/CUC DATA TRANSFER

(Please apply when the 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.

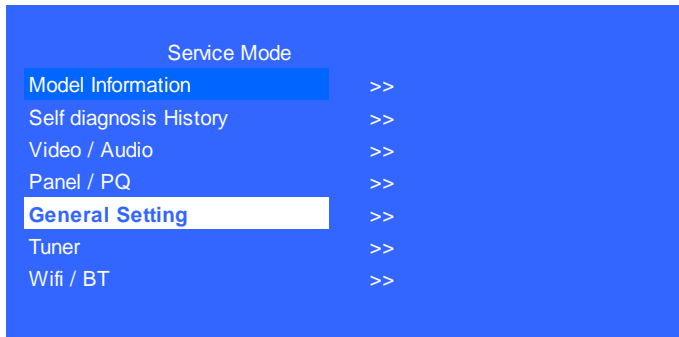


*Please refer to another manual “Service Procedure for Panel, Board and Software Change / Upgrade(P/N:9-888-450-02)” for details.

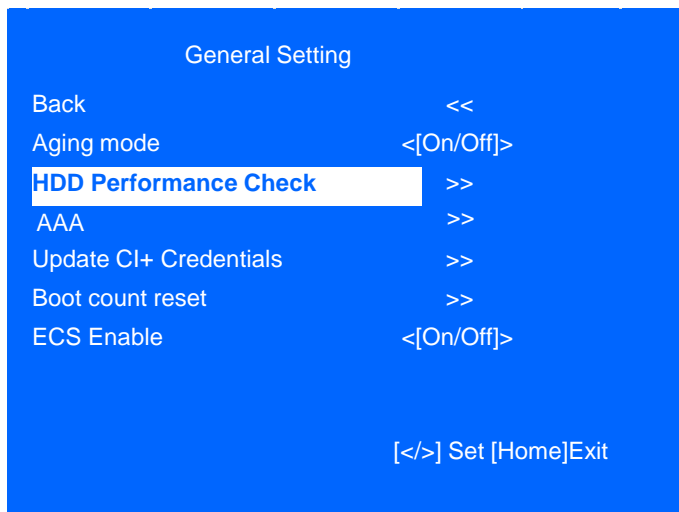
| | B-board replace | T-con replace | Panel replace |
|-----------|-----------------|----------------|----------------|
| WB/ Gamma | 1.T-con to Soc | 0.Soc to T-con | 0.Soc to T-con |
| Mura | 1.T-con to Soc | 0.Soc to T-con | 1.T-con to Soc |
| CUC | 1.T-con to Soc | 0.Soc to T-con | 1.T-con to Soc |

HDD PERFORMANCE CHECK

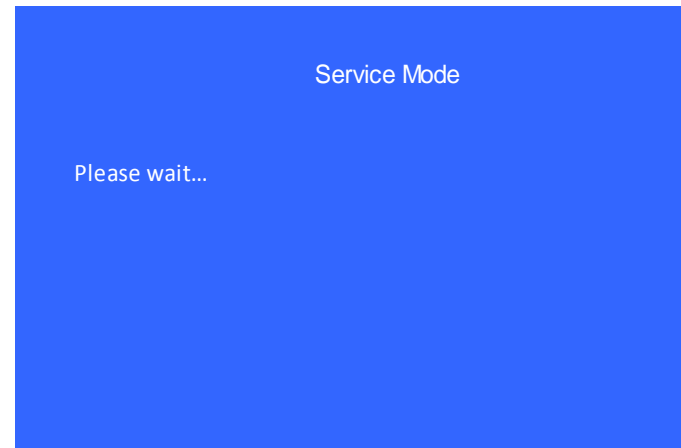
1. In “Service Mode”, select “General Setting” by pressing “↑” or “↓” then press “Enter” or “→” button to enter inside.



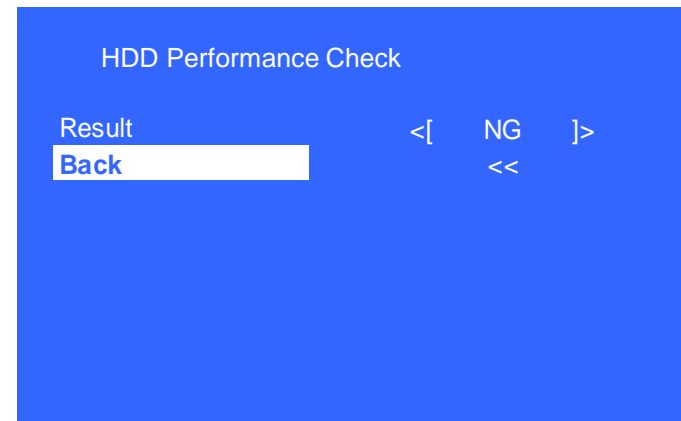
2. Select “HDD Performance check ” by pressing “↑” or “↓” then press “Enter” or “→” button to enter inside.



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

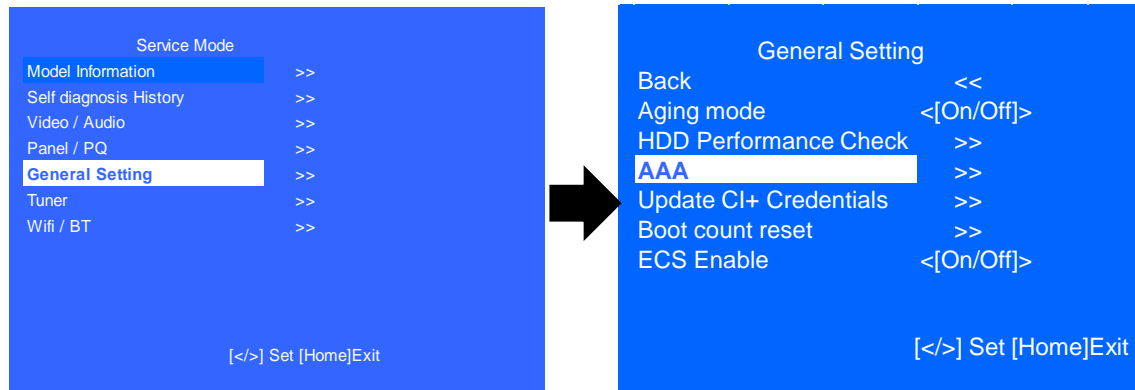


4. Result **OK** or **NG** will be displayed after performance of HDD is checked.

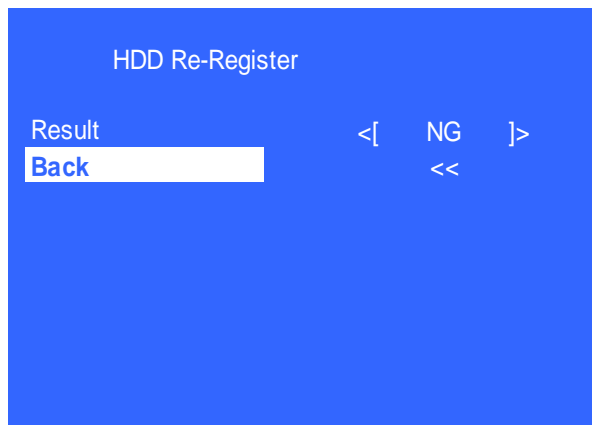


HDD RE-REGISTRATION

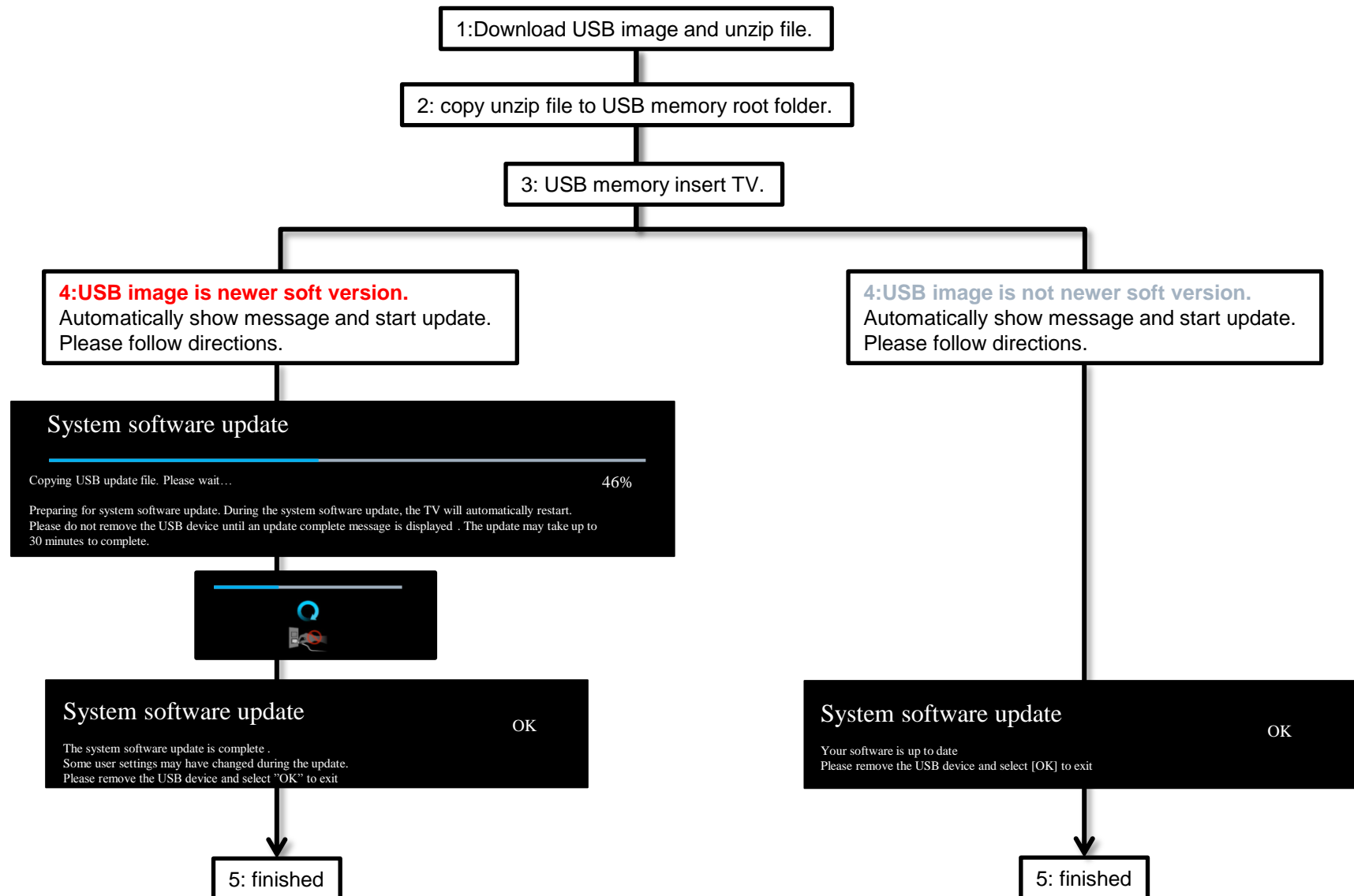
- 1) In “Service Mode”, select “General Setting” by pressing “↑” or “↓” then press “Enter” or “→” button to enter inside.
- 2) Select “AAA” by pressing “↑” or “↓” then press “Enter” or “→” button to enter inside.



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



USB UPDATE



TROUBLE SHOOTING

TRIAGE

1. Confirm the symptom from the customer.
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

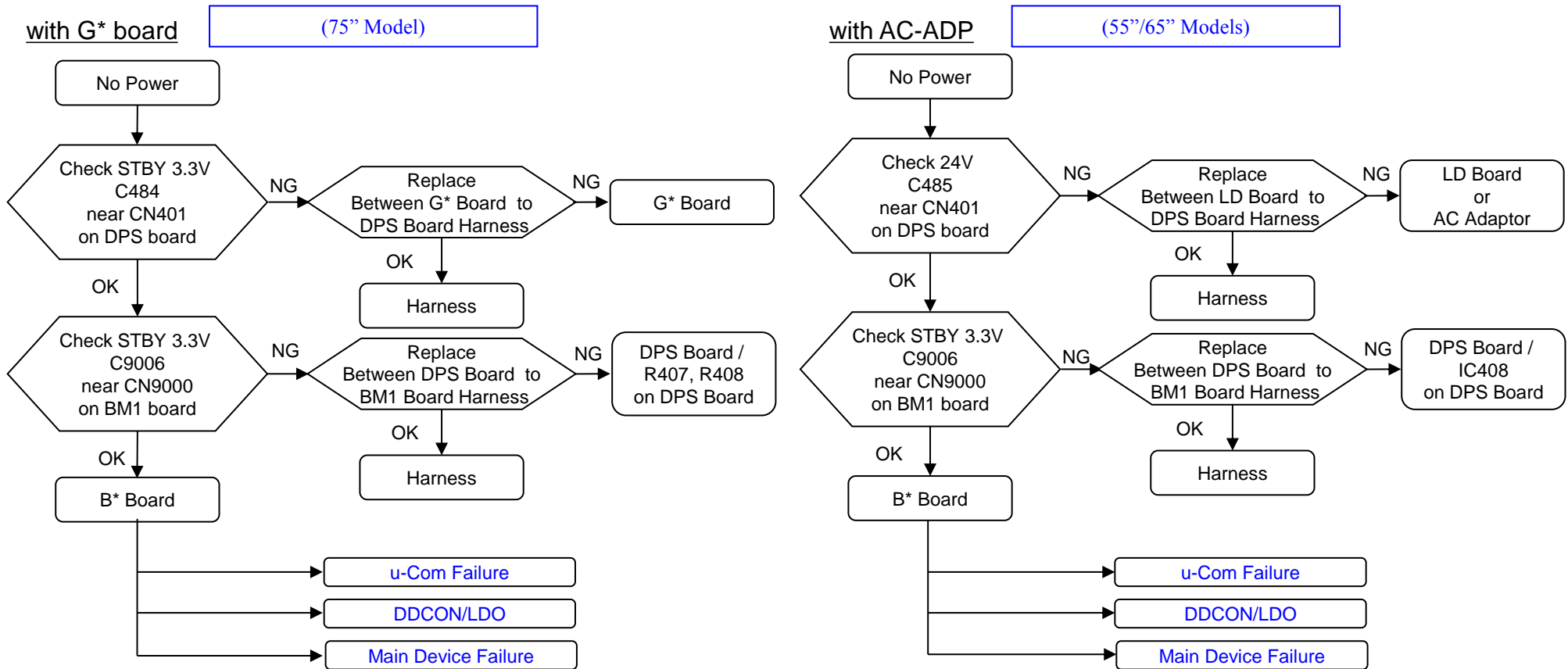
BLUE TRIANGLE: Secondary possible defective part

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/ADP | ● | ▲ | ▲ | ▲ | ● | | | | | ● | | | | | | ▲ | | | | |
| H* Board | | | | | | | | | | ▲ | | | | ● | | | | ● | | |
| Speaker | | ▲ | | | | | | | | | | | | | | ● | | | | |
| Wifi & BT Module | | | | | | | | | | | | | | | ● | | ▲ | | ● | |
| LD* Board | ● | ▲ | ● | ▲ | ● | | | | | ● | | | ▲ | | | ▲ | | | | |
| V By One FFC | | | | ▲ | | | | | | | ▲ | | ▲ | | | | | | | |
| Tcon | | | | ● | | | | | | | ▲ | | ▲ | | | | | | | |
| LCD Panel | | | ▲ | ● | ● | | | | | | ● | | ▲ | | | | | | | |
| Temp Board | | | | | | ● | | | | | | | | | | | | | | |
| Problem | Power | Audio | LD | Panel (Communication) | Panel (Backlight) | TEMP | Soft-ware | | | | | | | | | | | | | |
| | | | | | | 4KBE | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |

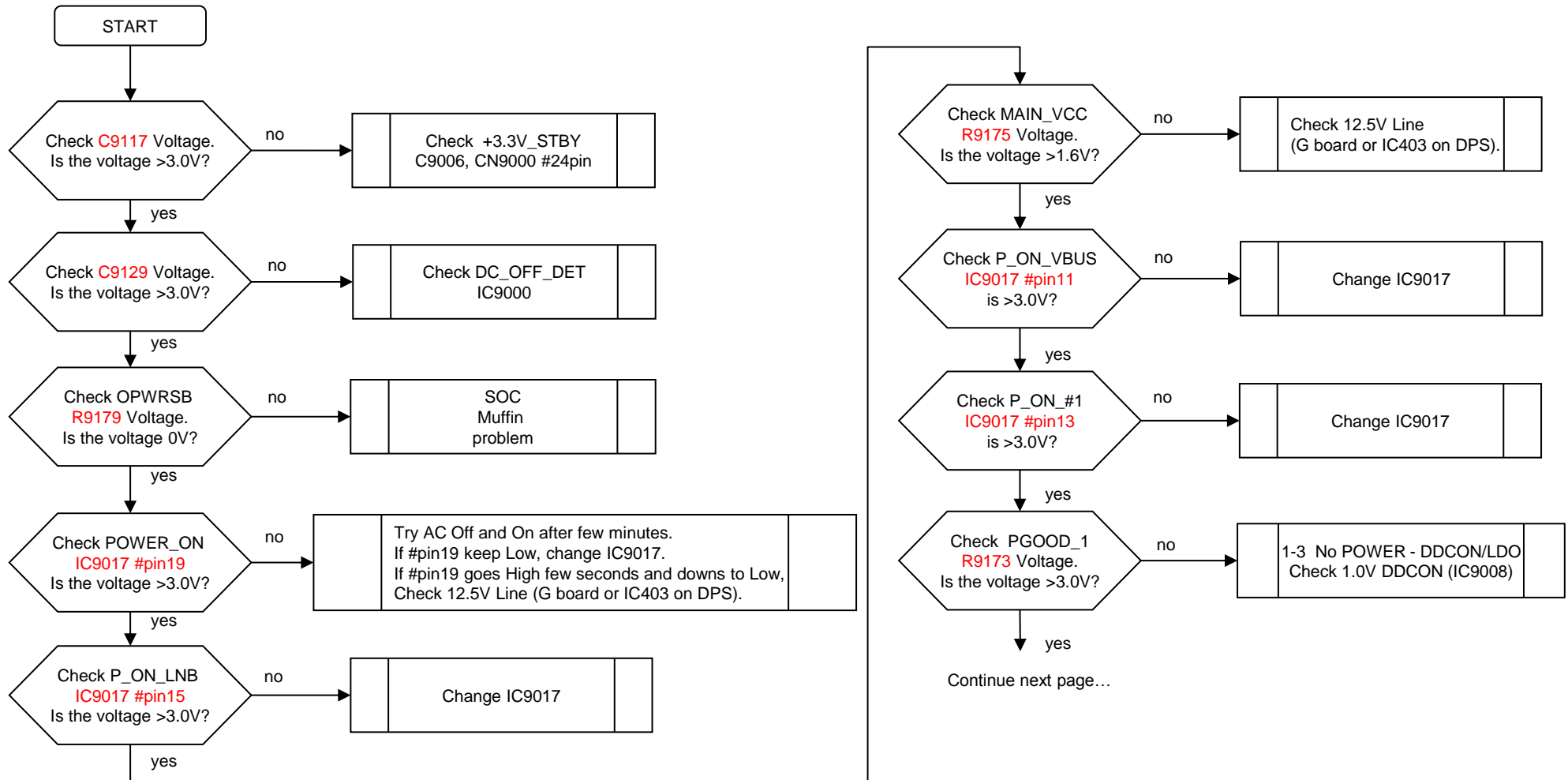
FLOW

1-1. NO POWER



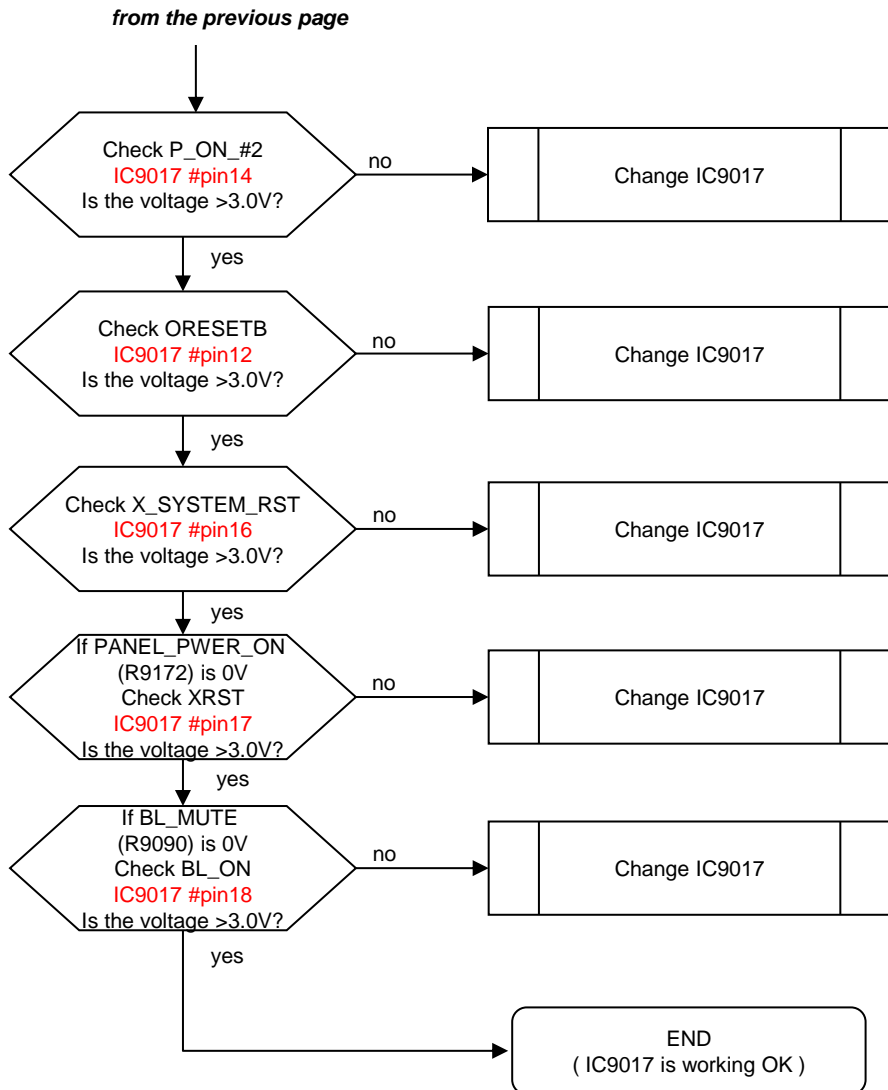
FLOW

1-2-1. NO POWER U-COM FAILURE

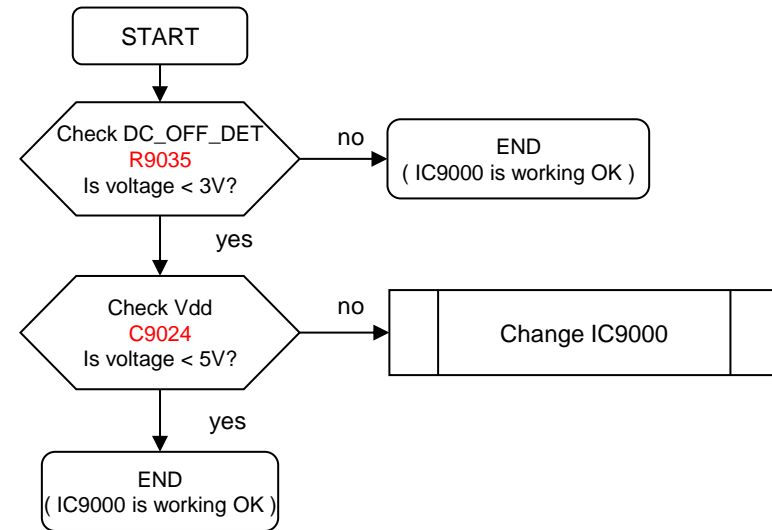


FLOW

1-2-1. NO POWER U-COM FAILURE



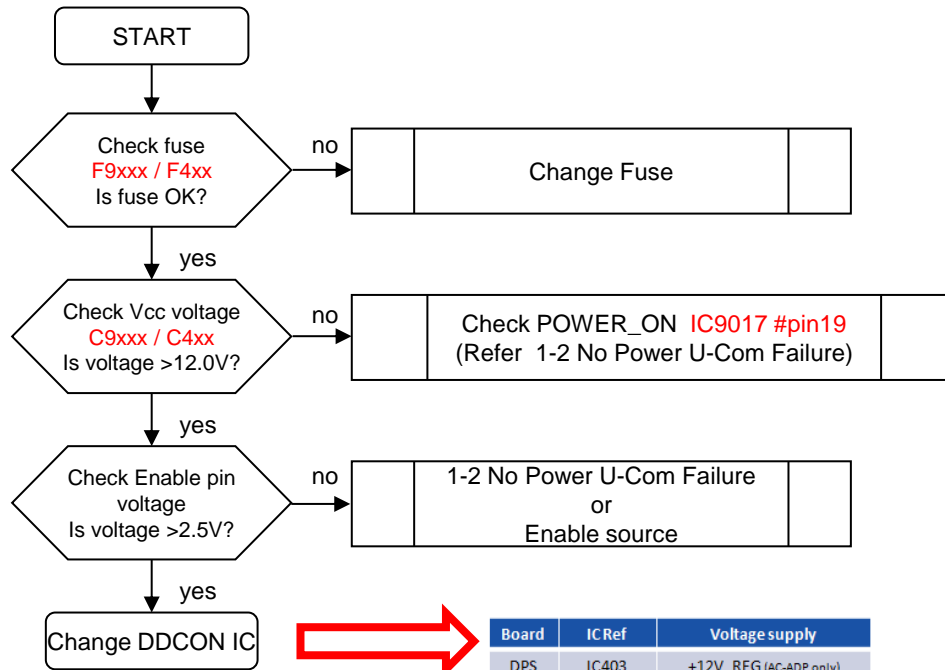
1-2-2. NO POWER DC_OFF_DET CHECK




FLOW

1-3. NO POWER DDCON/LDO

DDCONs check



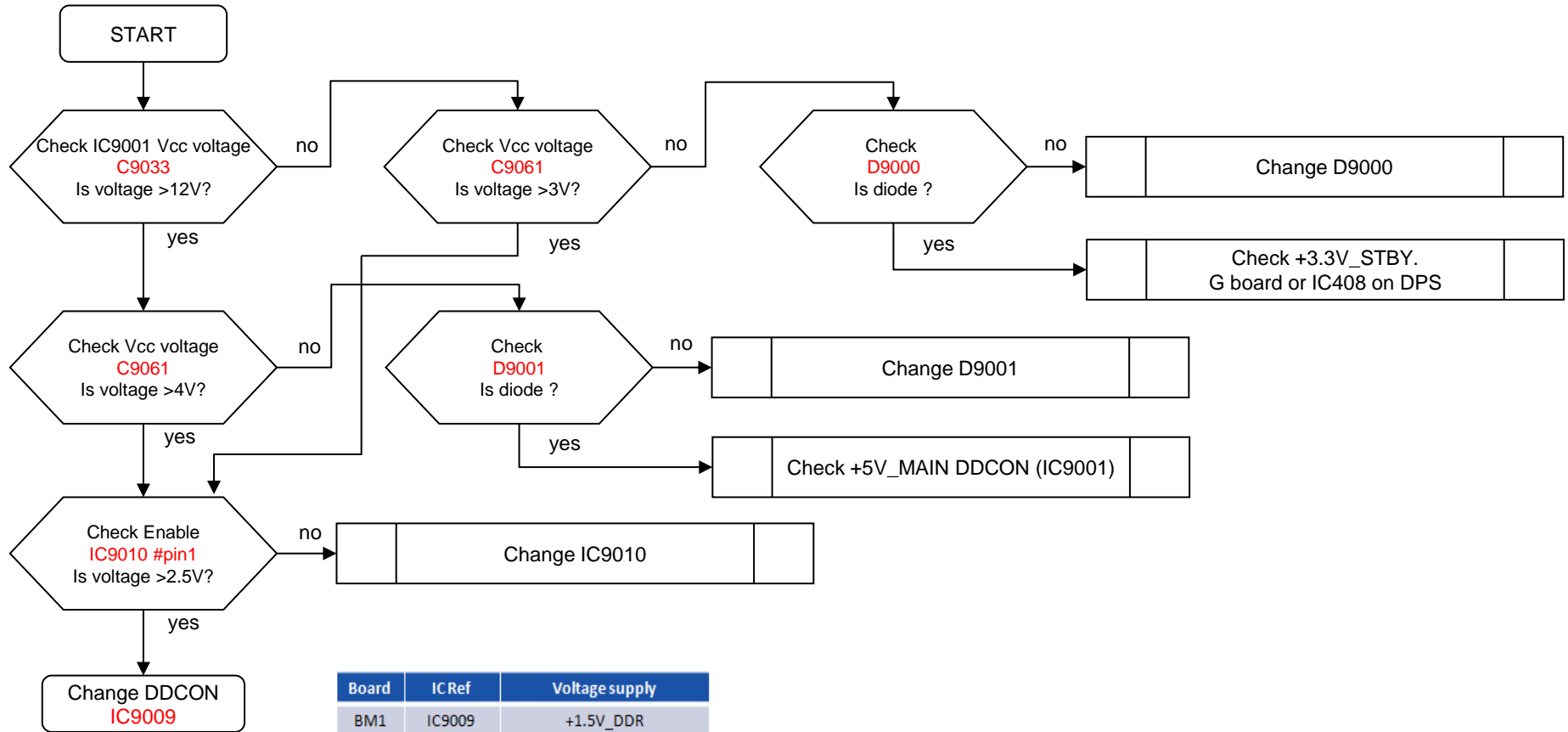

Refer this list

| Board | ICRef | Voltage supply |
|-------|--------|--------------------------|
| DPS | IC403 | +12V_REG (AC-ADP only) |
| DPS | IC408 | +3.3V_STBY (AC-ADP only) |
| DPS | IC409 | +3.3V_MAIN |
| DPS | IC9401 | +1.1V_SAGI |
| DPS | IC9403 | +1.5V_SAGI |
| BM1 | IC9001 | +5V_MAIN |
| BM1 | IC9002 | +1.0V_HDMI |
| BM1 | IC9005 | +1.8V_TU |
| BM1 | IC9006 | +1.1V_TU_SKP (J only) |
| BM1 | IC9008 | +1.0V_MUF |
| BM1 | IC9014 | +5.0V_VBUS |

FLOW

1-3. NO POWER DDCON/LDO

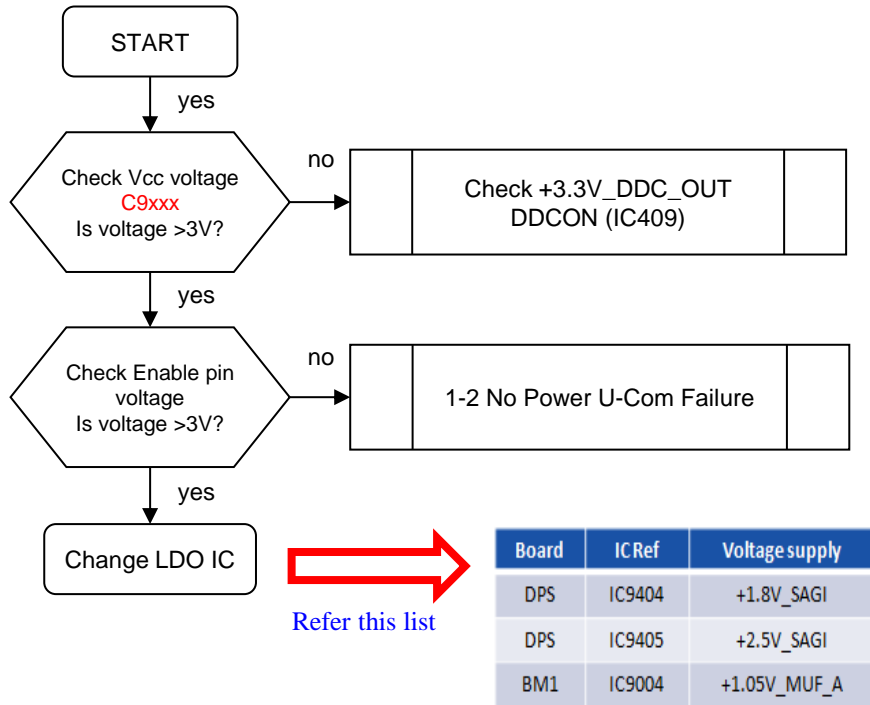
DDCON check



FLOW

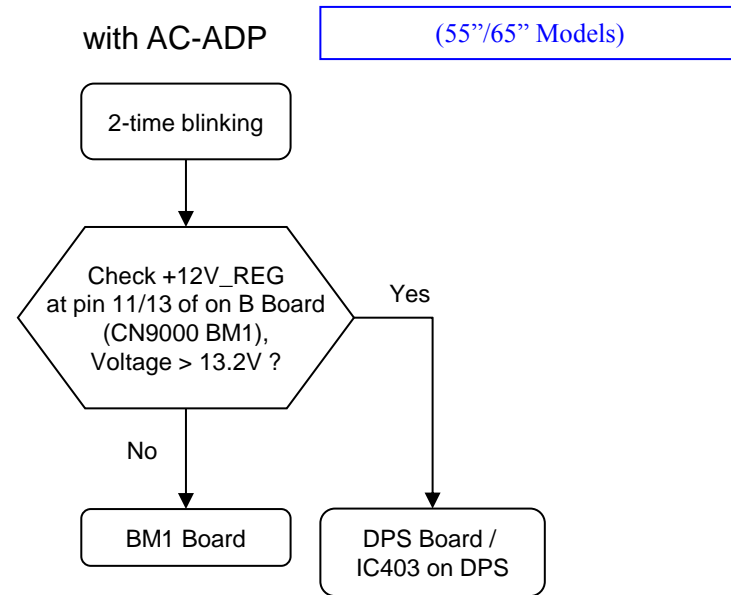
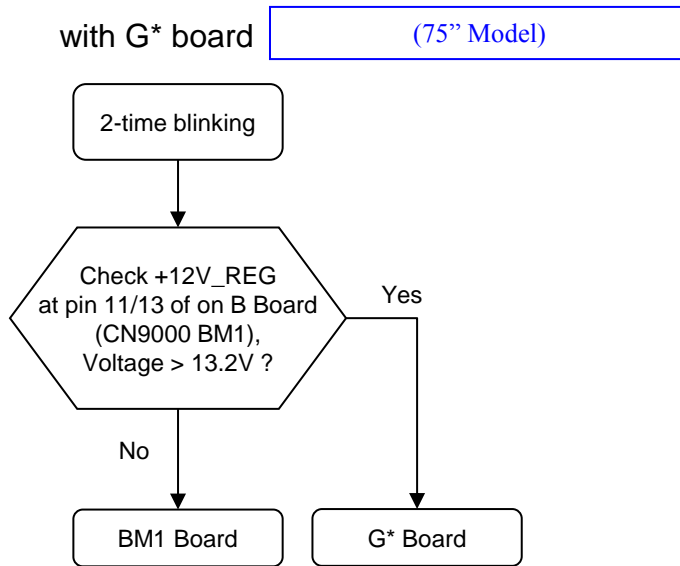
1-3. NO POWER DDCON/LDO

LDOs check



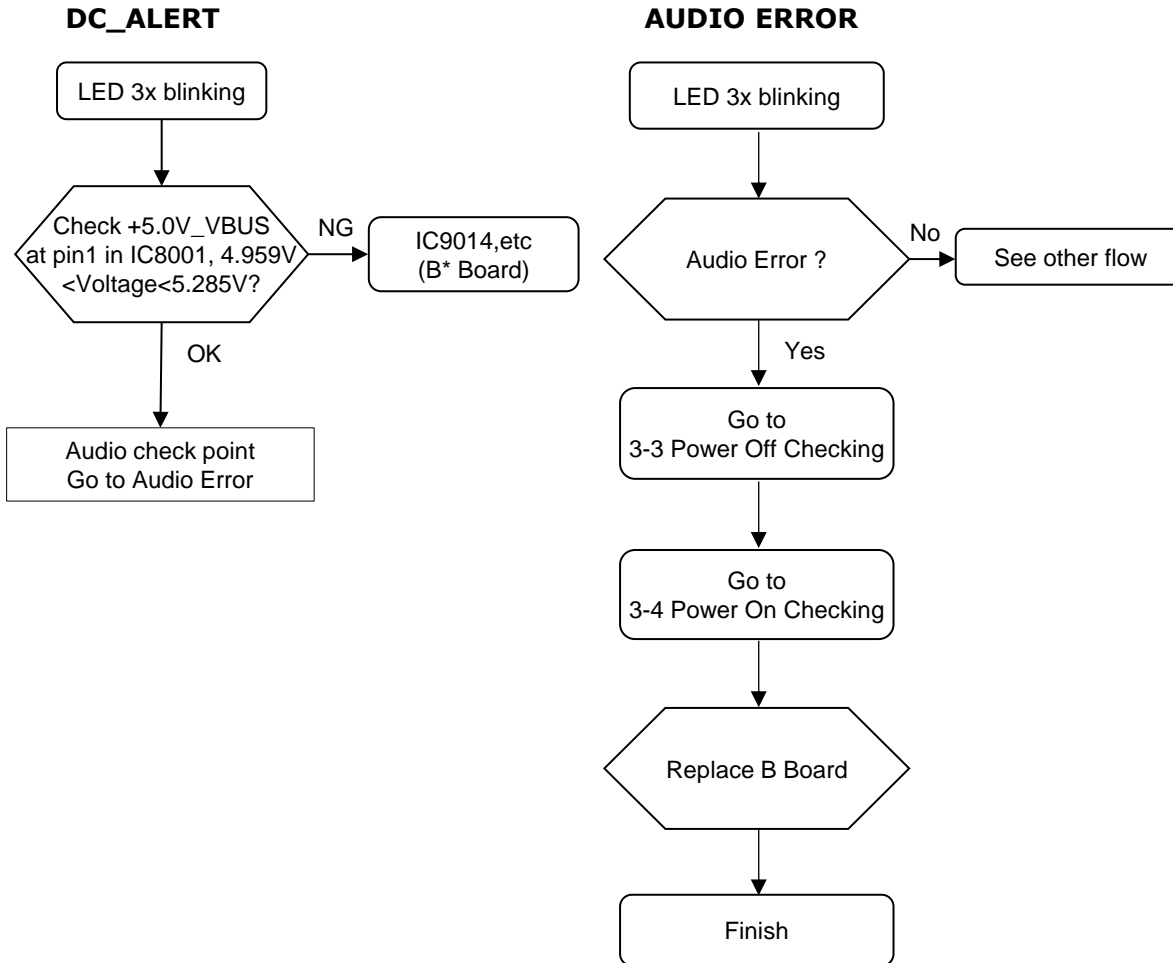
FLOW

2-1. LED BLINKING 2X (MAIN POWER ERROR)

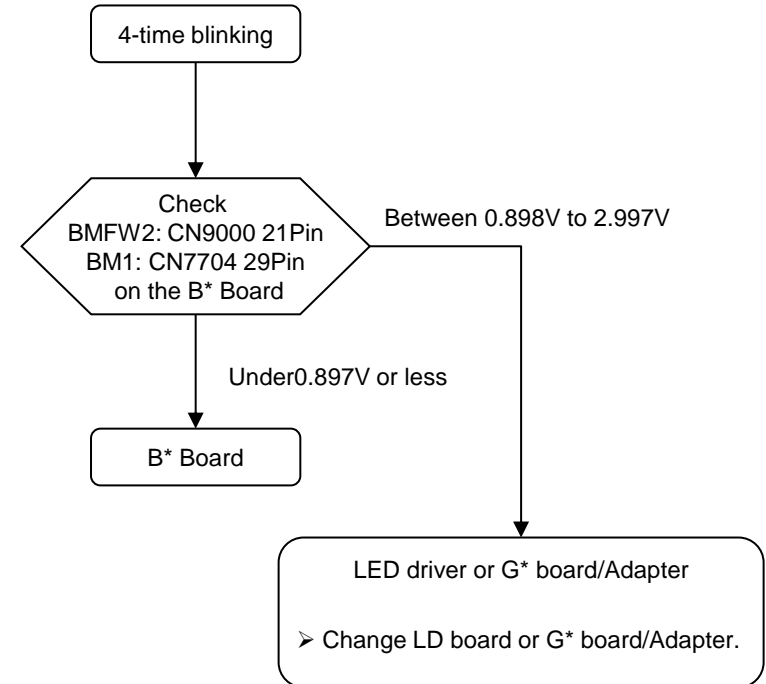


FLOW

2-2. LED BLINKING 3X

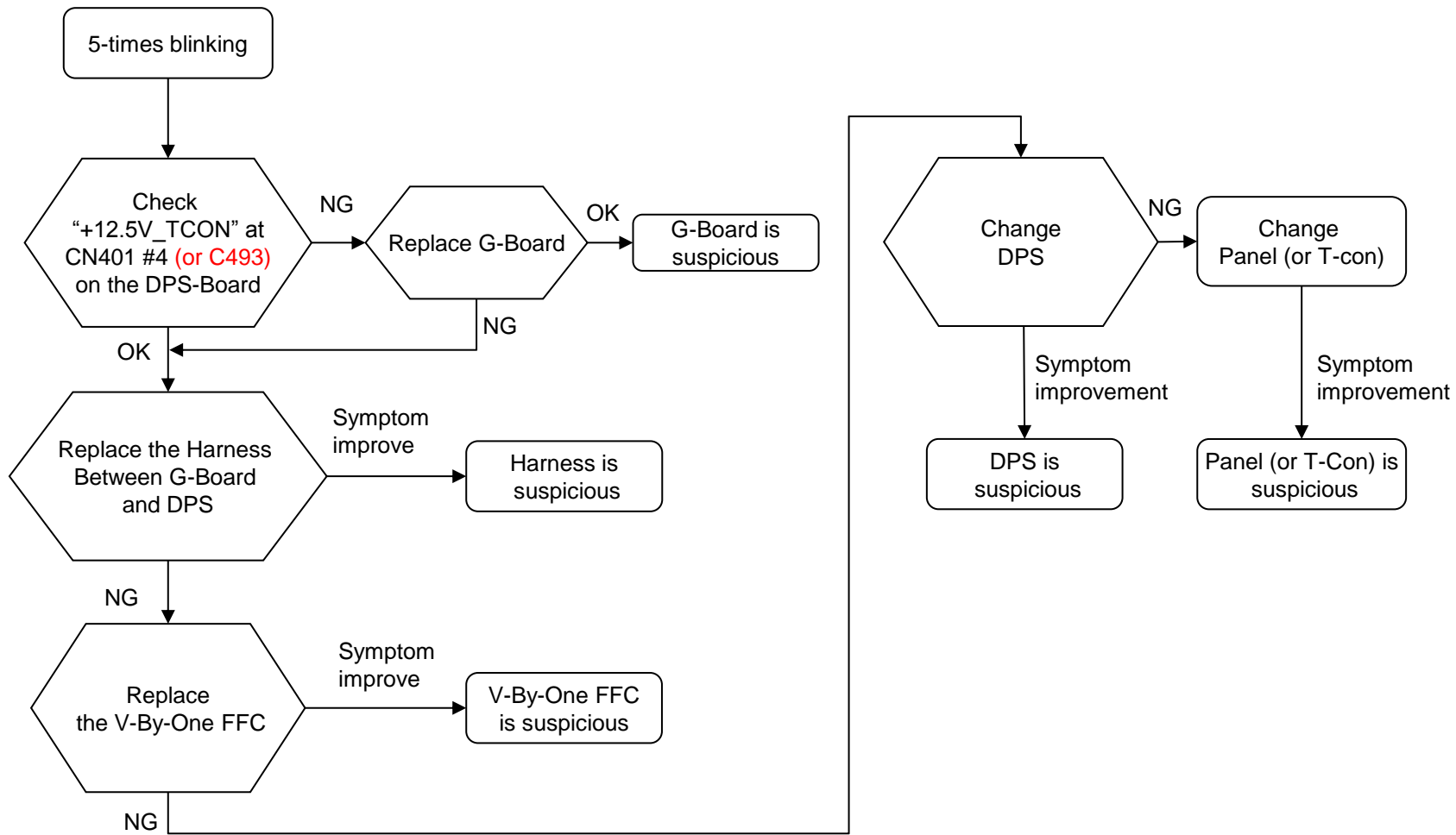


2-3. LED BLINKING 4X (LED VOLTAGE ERROR)



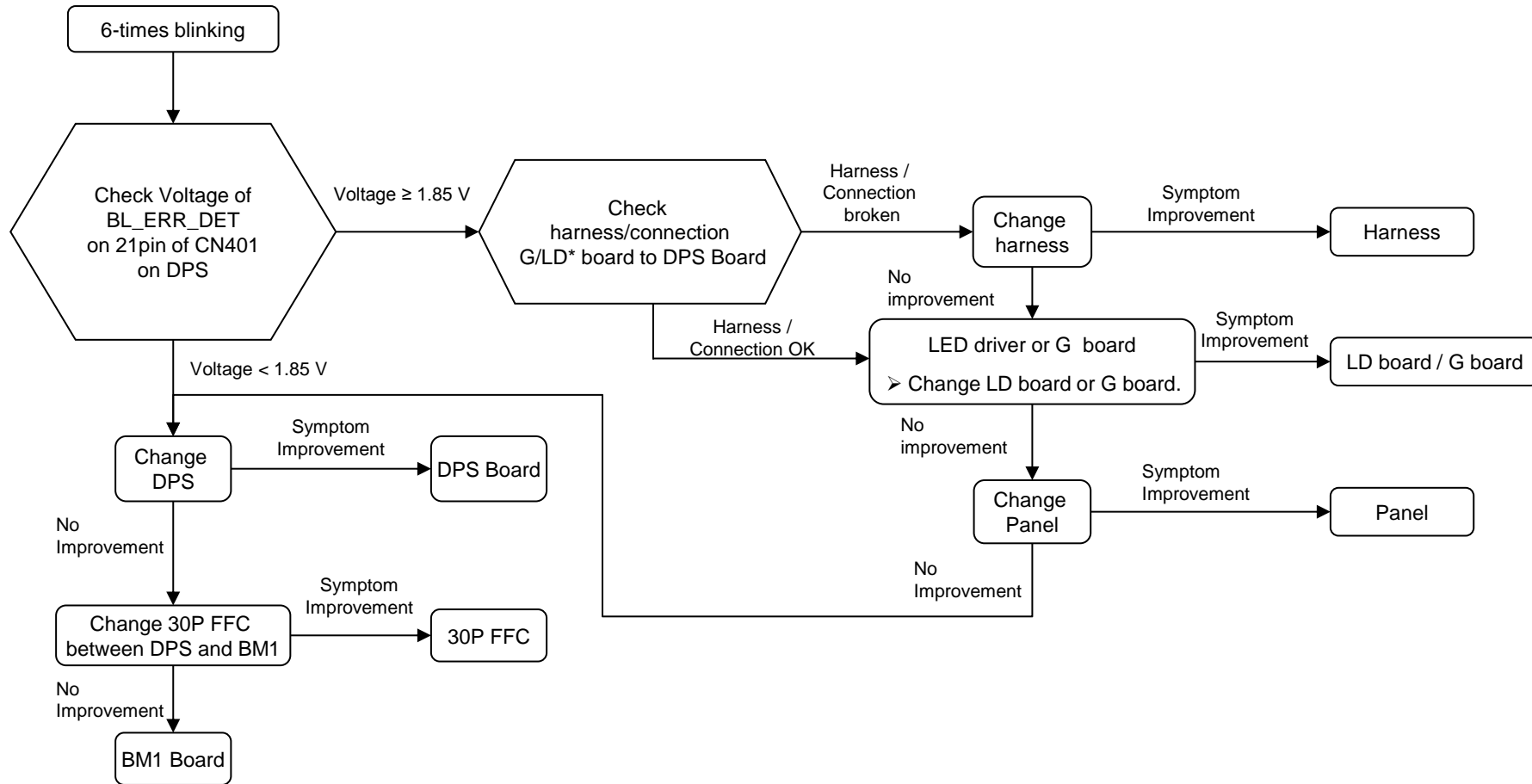
FLOW

2-4. LED BLINKING 5X (PANEL COMMUNICATION ERROR)



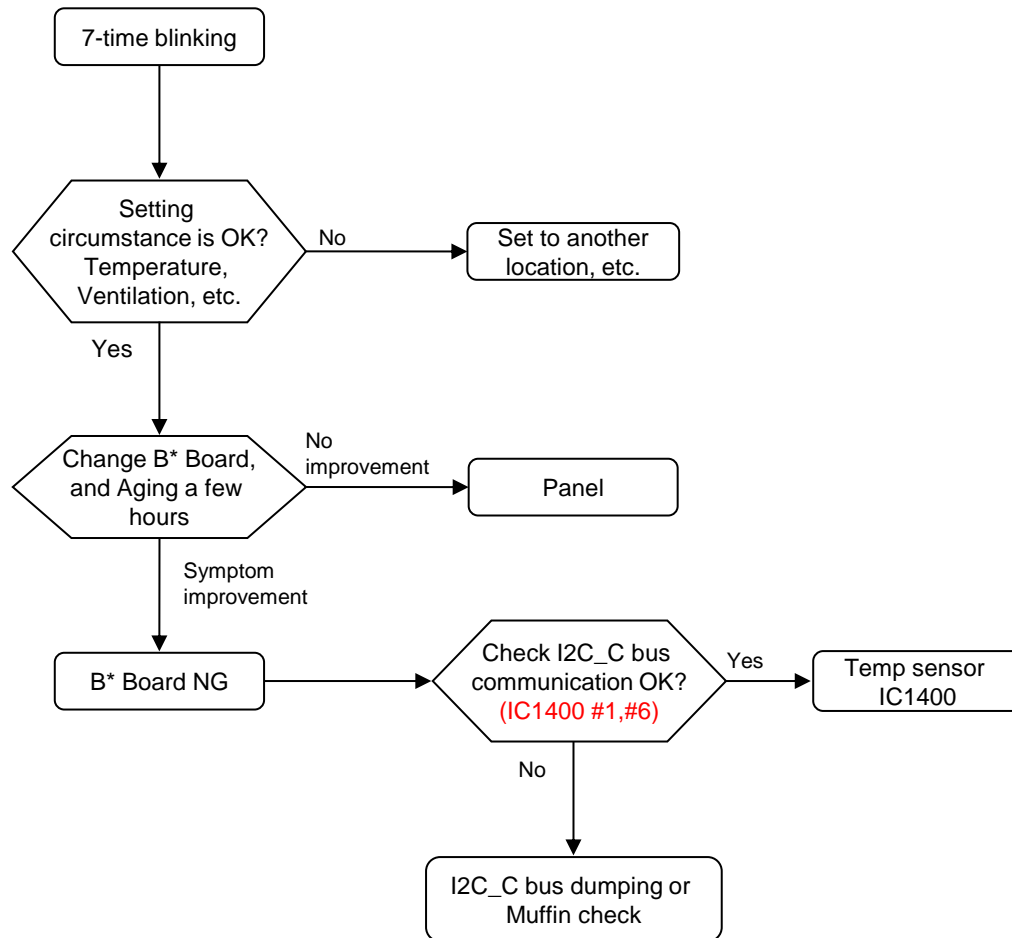
FLOW

2-5. LED BLINKING 6X (BACKLIGHT ERROR)



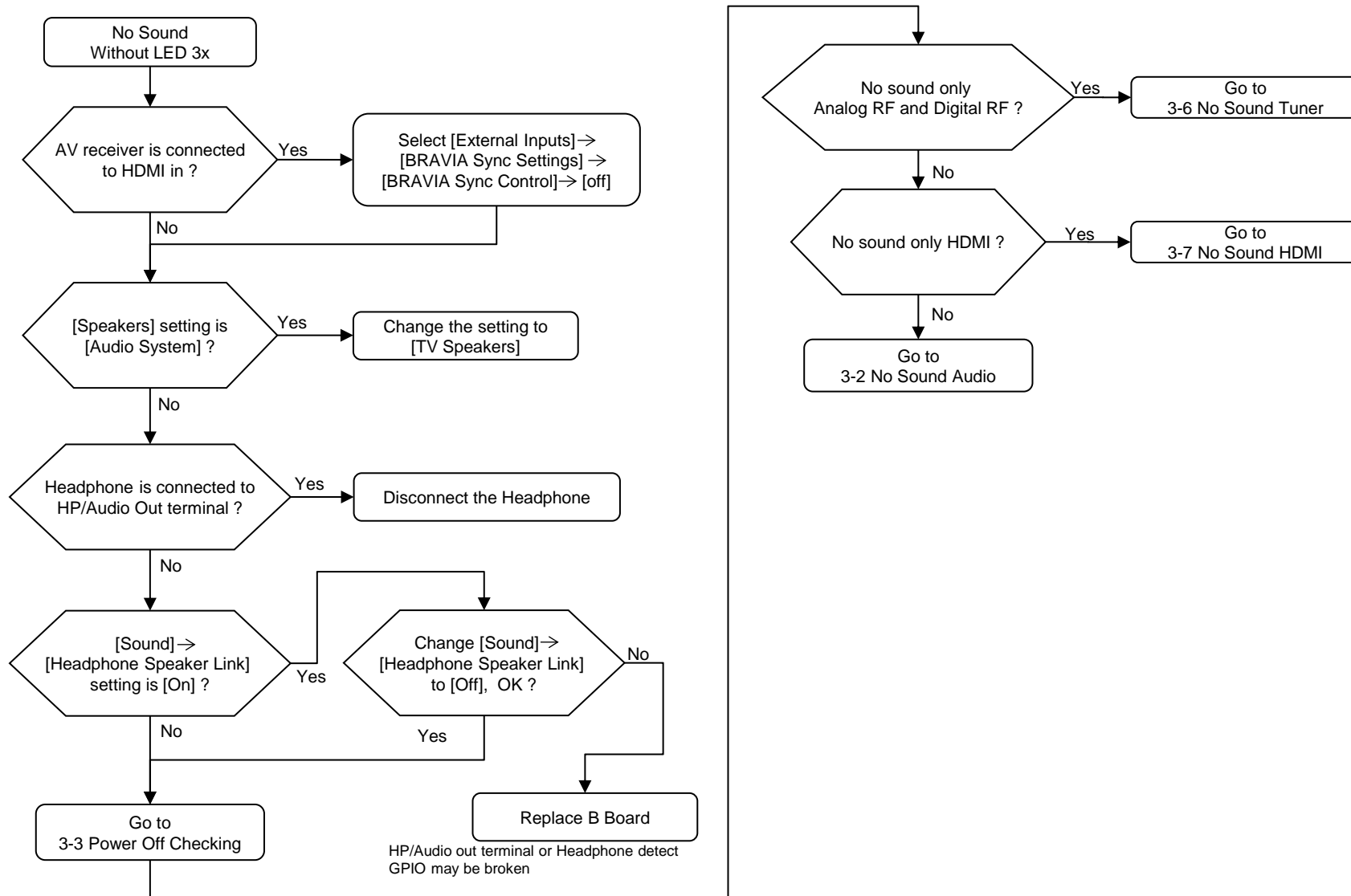
FLOW

2-6. LED BLINKING 7X (TEMPERATURE ERROR)



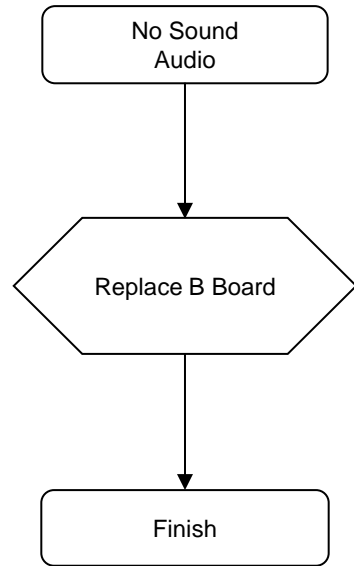
FLOW

3-1. NO SOUND

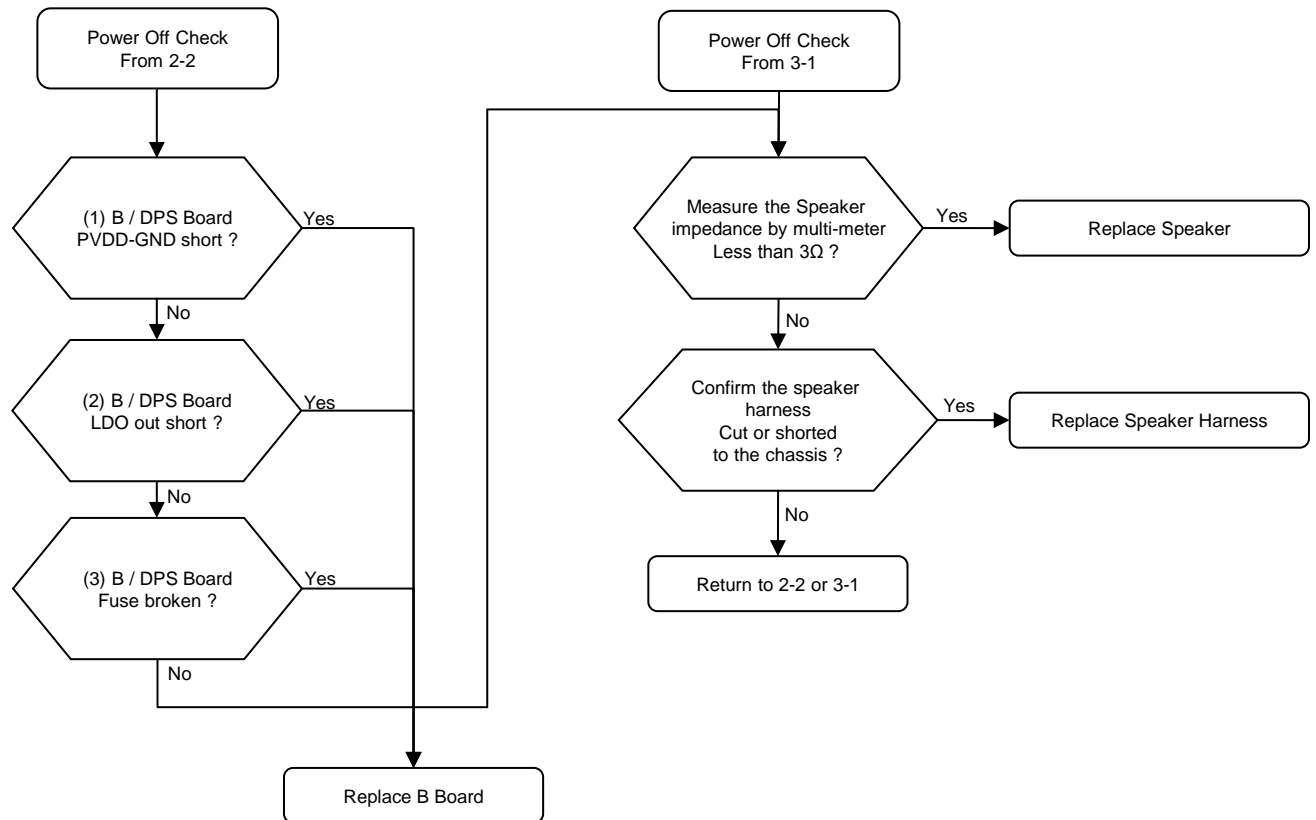


FLOW

3-2. NO SOUND (AUDIO)



3-3. NO SOUND (POWER OFF CHECK)



BM1 Board

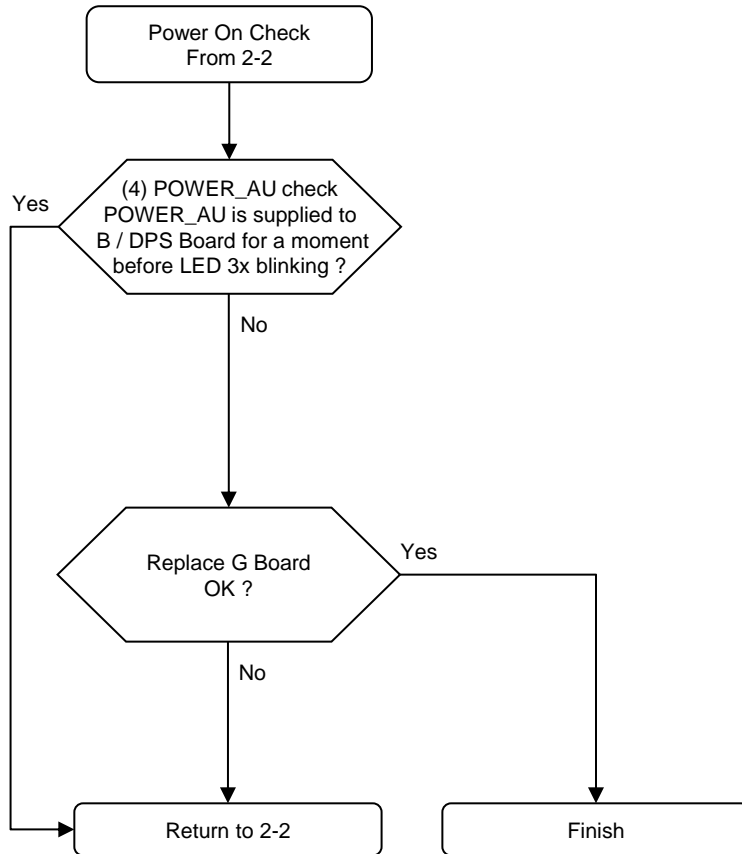
- (1) PVDD-GND short check
Measure impedance between PVDD and GND at capacitor C7881.
If impedance is <math><100\Omega</math> \rightarrow NG
- (2) LDO out short check
Measure impedance between +3.3V and GND at C7880.
If impedance is <math><100\Omega</math> \rightarrow NG
- (3) Fuse open check
Measure impedance of fuse F7702 5A (12.5V or 19.5V)
If fuse open \rightarrow NG

DPS Board

- (1) PVDD-GND short check
Measure impedance between PVDD and GND at capacitor C7932, C7914.
If impedance is <math><100\Omega</math> \rightarrow NG
- (2) LDO out short check
Measure impedance between +3.3V and GND at C7913, C7931.
If impedance is <math><100\Omega</math> \rightarrow NG
- (3) Fuse open check
Measure impedance of fuse F7700, F7701 5A (12.5V or 19.5V)
If fuse open \rightarrow NG

FLOW

3-4. NO SOUND (POWER ON CHECK)



BM1 Board

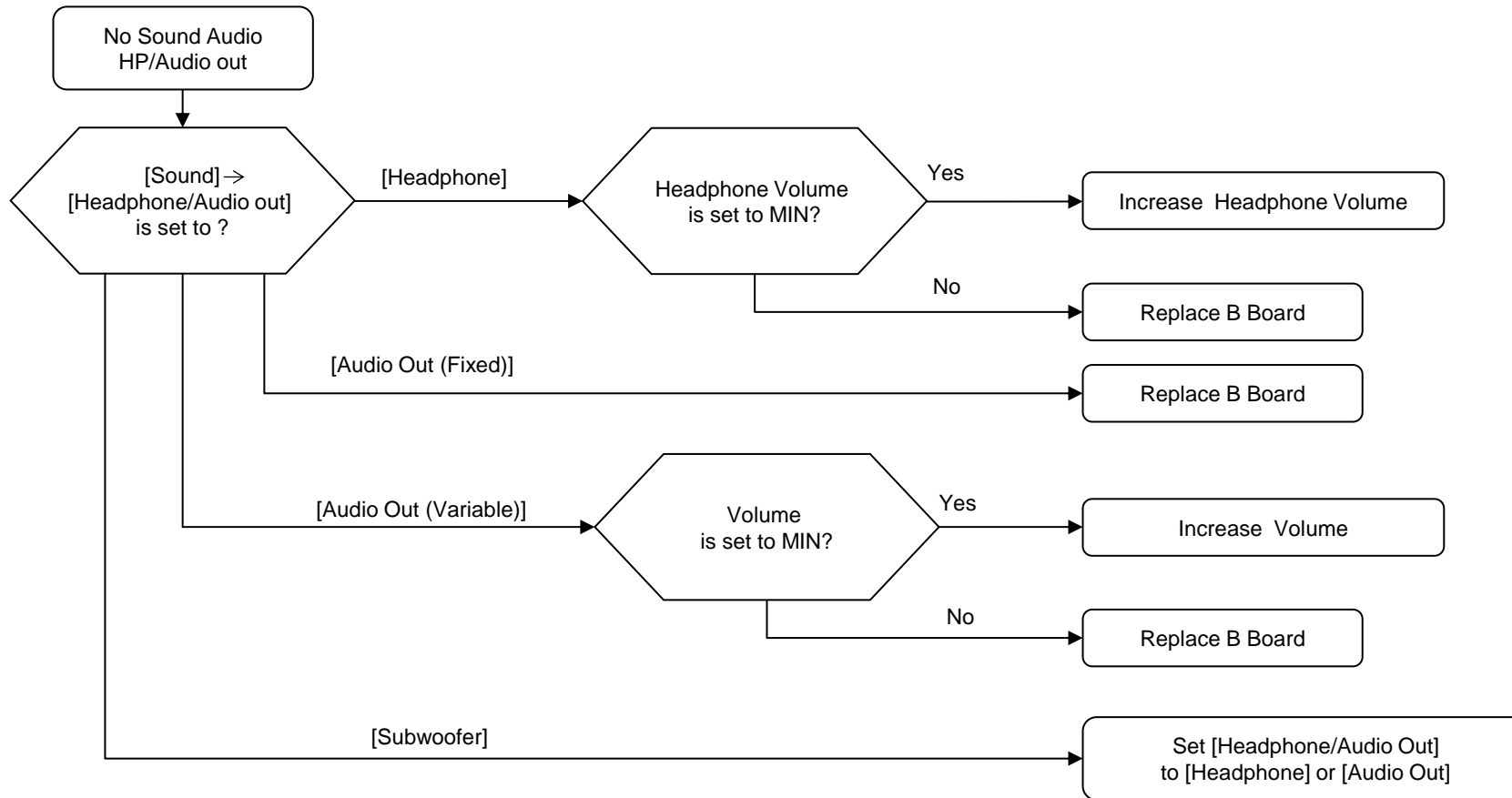
(4) POWER_AU check
 Measure voltage between PVDD and GND at capacitor C7881.
 Voltage rise more than 0V for a moment at power on → Yes

DPS Board

(4) POWER_AU check
 Measure voltage between PVDD and GND at capacitor C7932, C7914.
 Voltage rise more than 0V for a moment at power on → Yes

FLOW

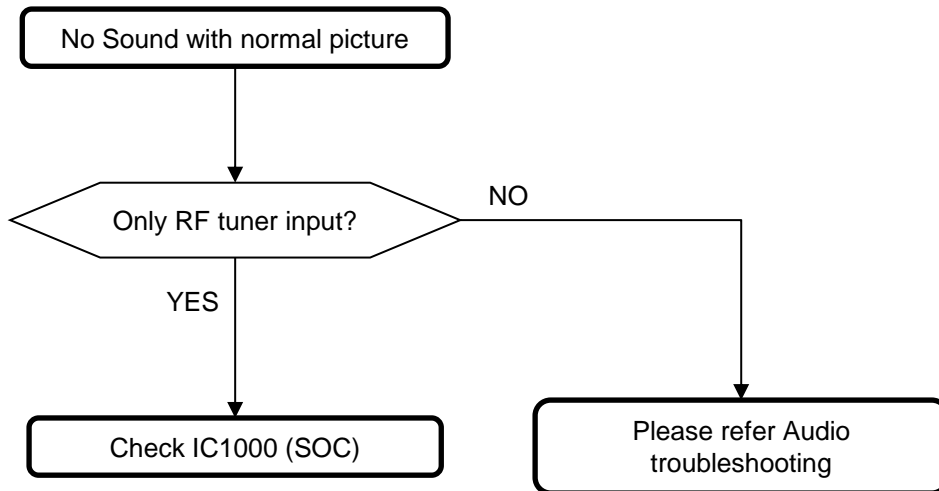
3-5. NO SOUND (AUDIO HP/AUDIO OUT)



FLOW

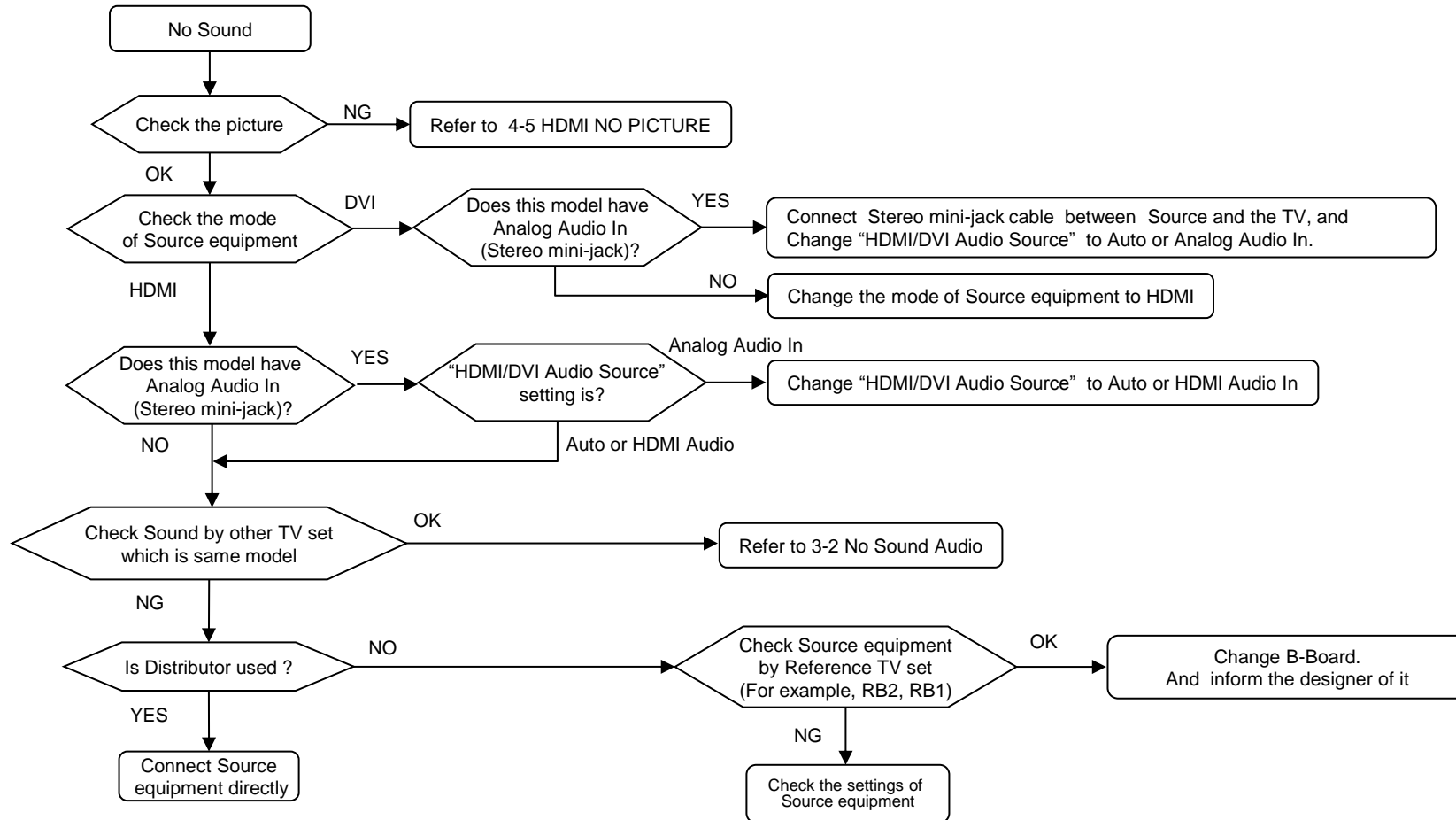
3-6. NO SOUND (TUNER)

This troubleshooting is only for Analog



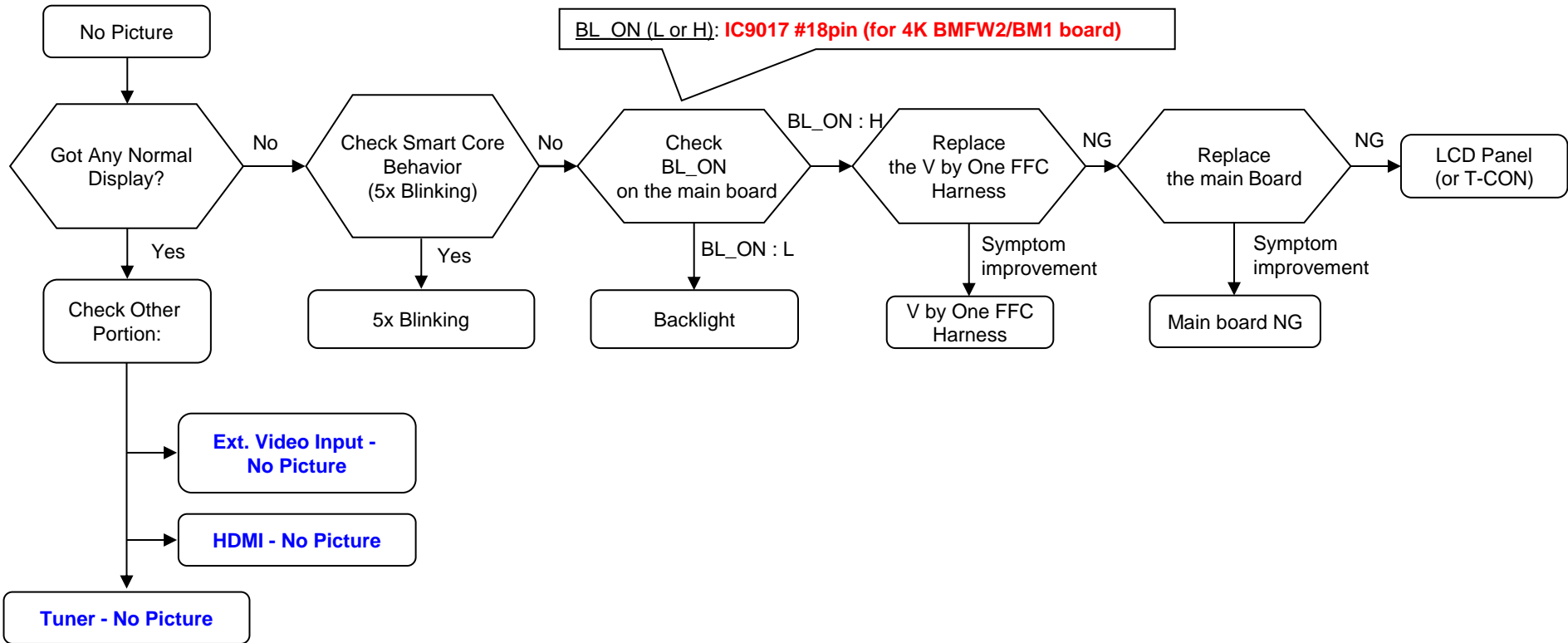
FLOW

3-7. NO SOUND (HDMI1/2/3/4)



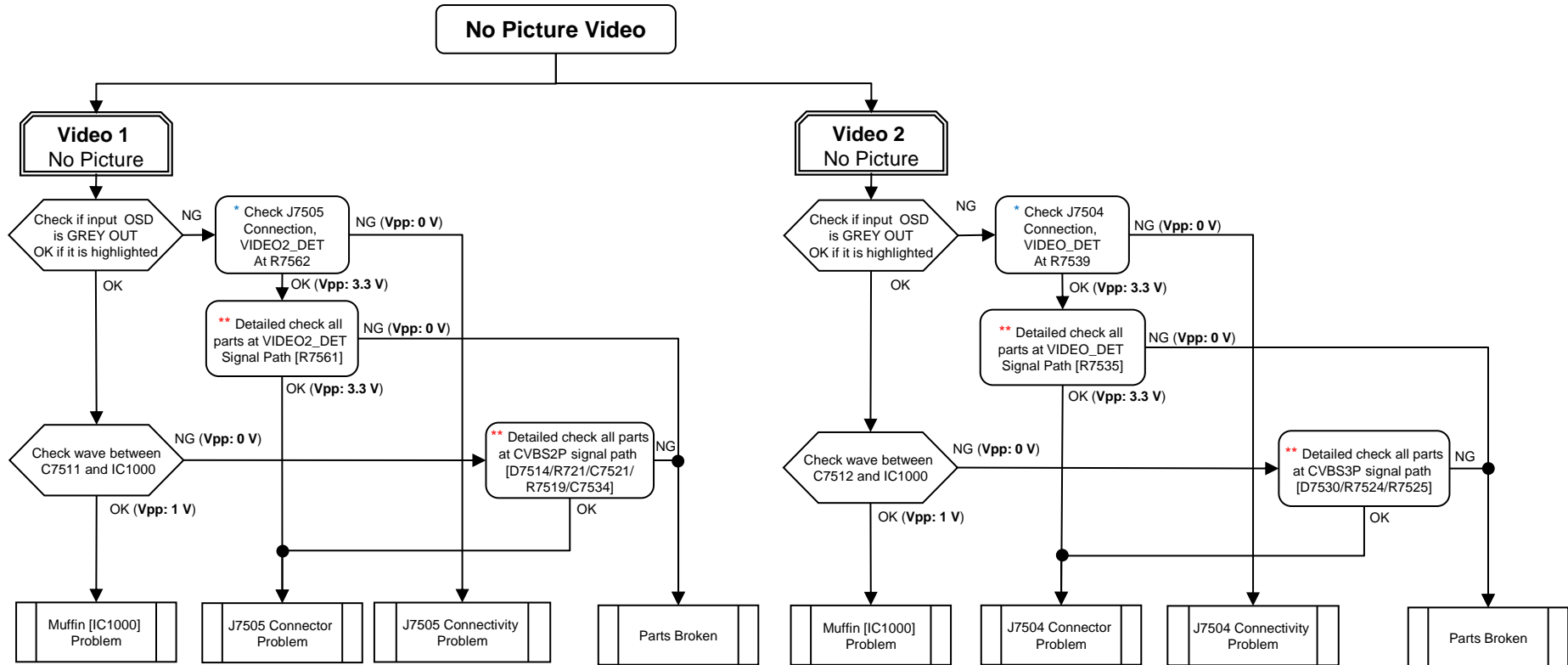
FLOW

4-1. NO PICTURE



FLOW

4-2. NO PICTURE (VIDEO) (CH/MX/BR/PA/COL/LA)

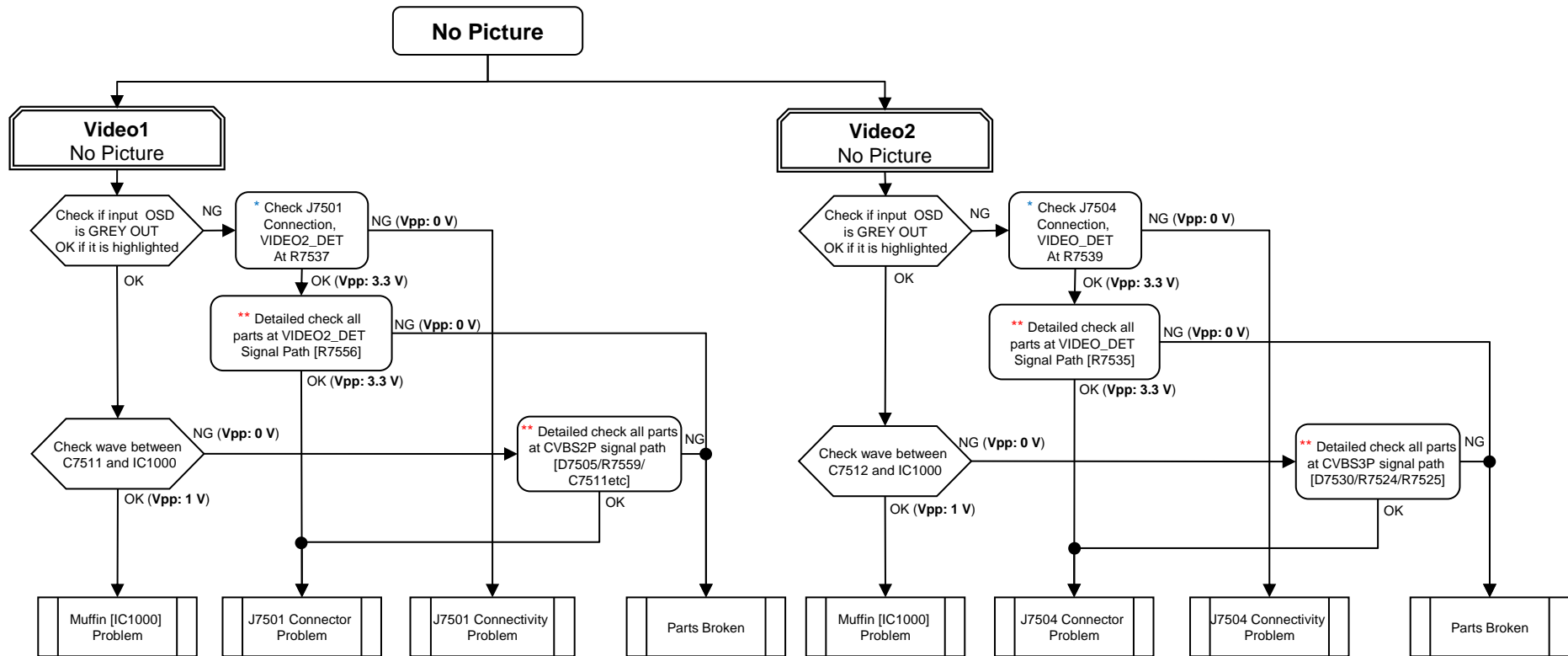


* → OK Condition : No solder splash can be seen
 → NG Condition : Solder splash can be seen

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

FLOW

4-2. NO PICTURE (VIDEO) (UC/HK/TW)

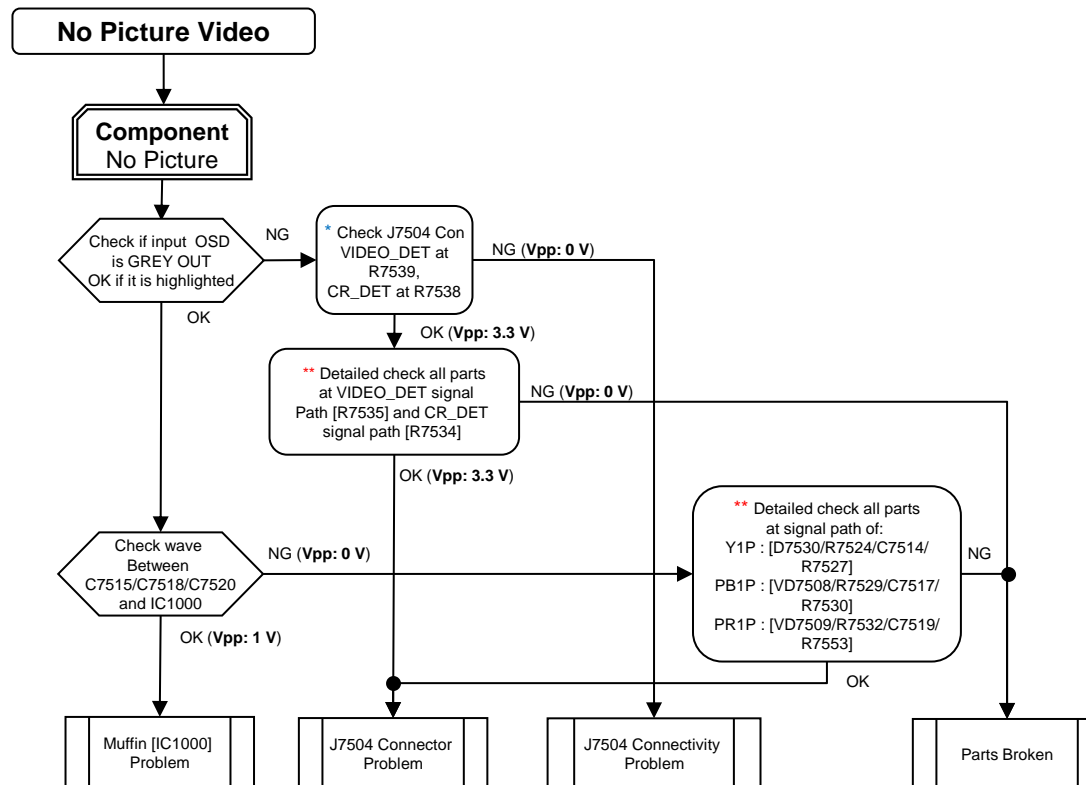


* → OK Condition : No solder splash can be seen
 → NG Condition : Solder splash can be seen

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

FLOW

4-3. NO PICTURE (COMPONENT) (CH/MX/BR/PA/COL/LA)

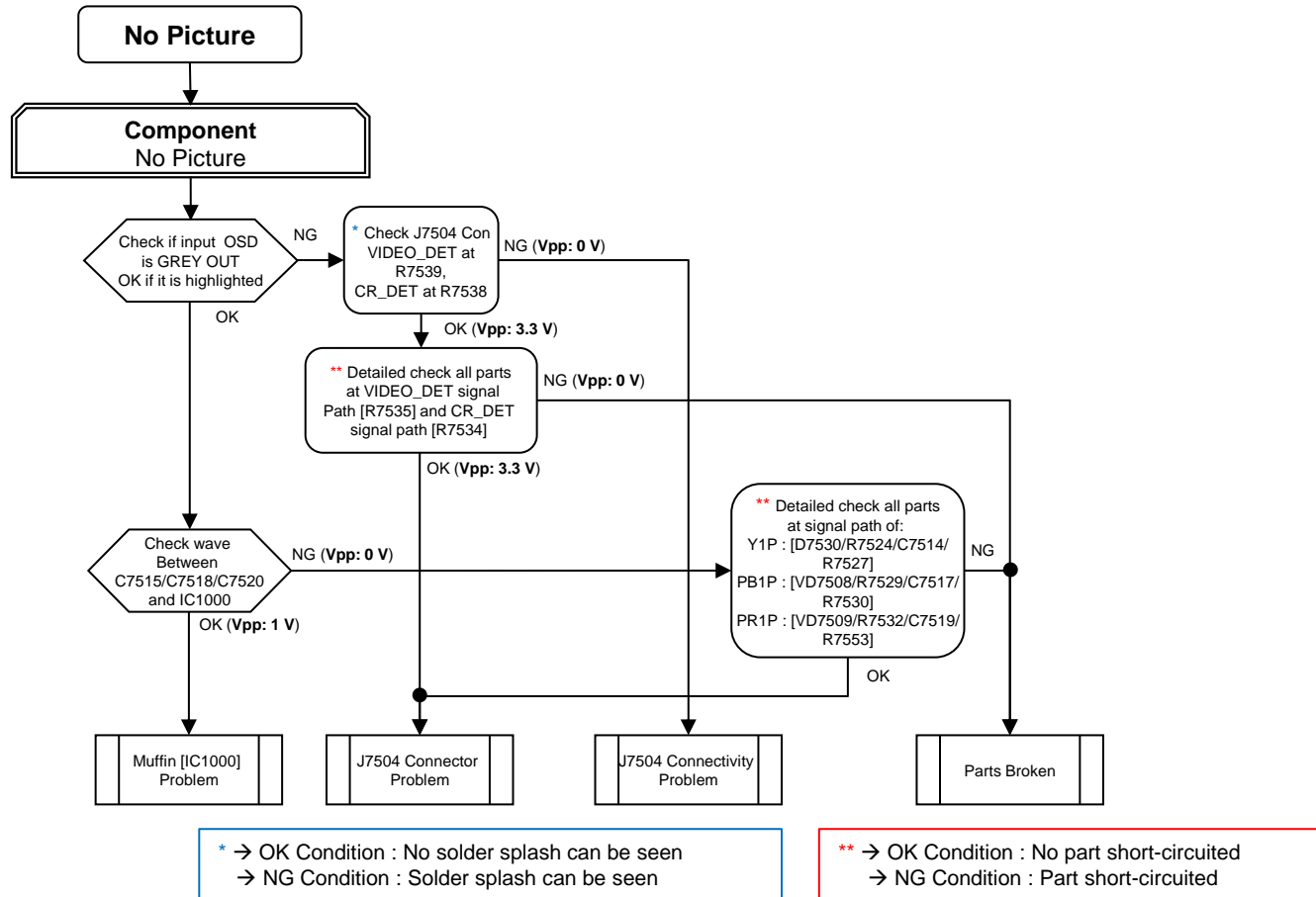


* → OK Condition : No solder splash can be seen
→ NG Condition : Solder splash can be seen

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

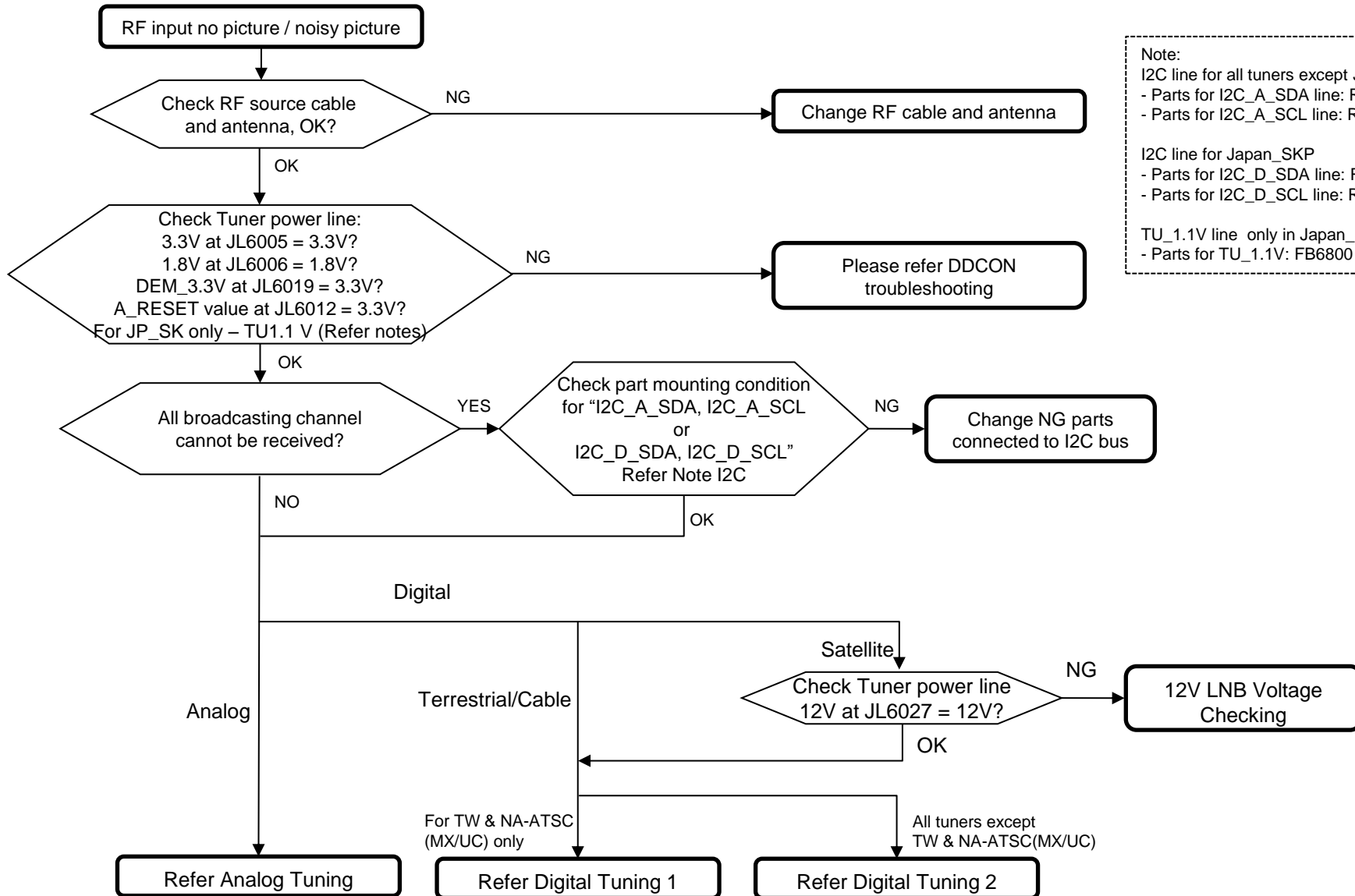
FLOW

4-3. NO PICTURE (COMPONENT) (UC/HK/TW)



FLOW

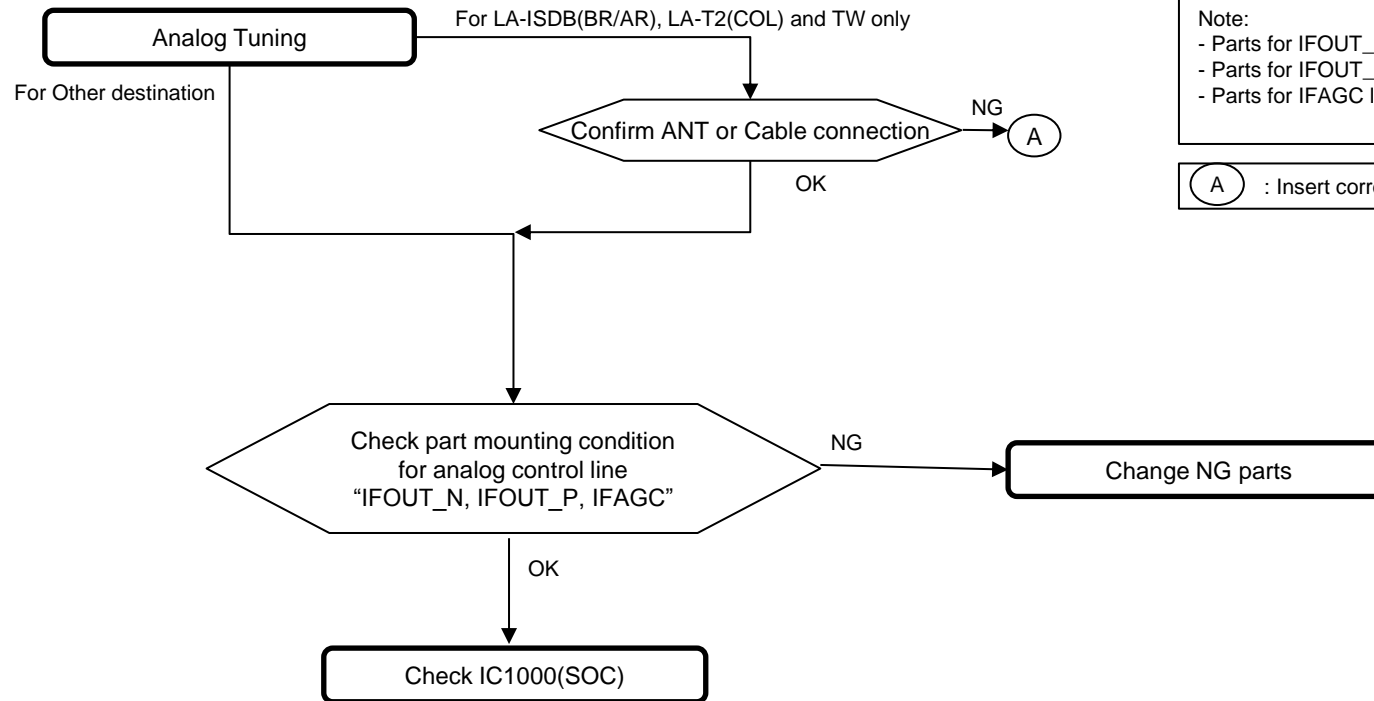
4-4. NO PICTURE (@ TUNER)



FLOW

4-4. NO PICTURE (@ TUNER)

FOR ANALOG TUNING: @ All destination except JP



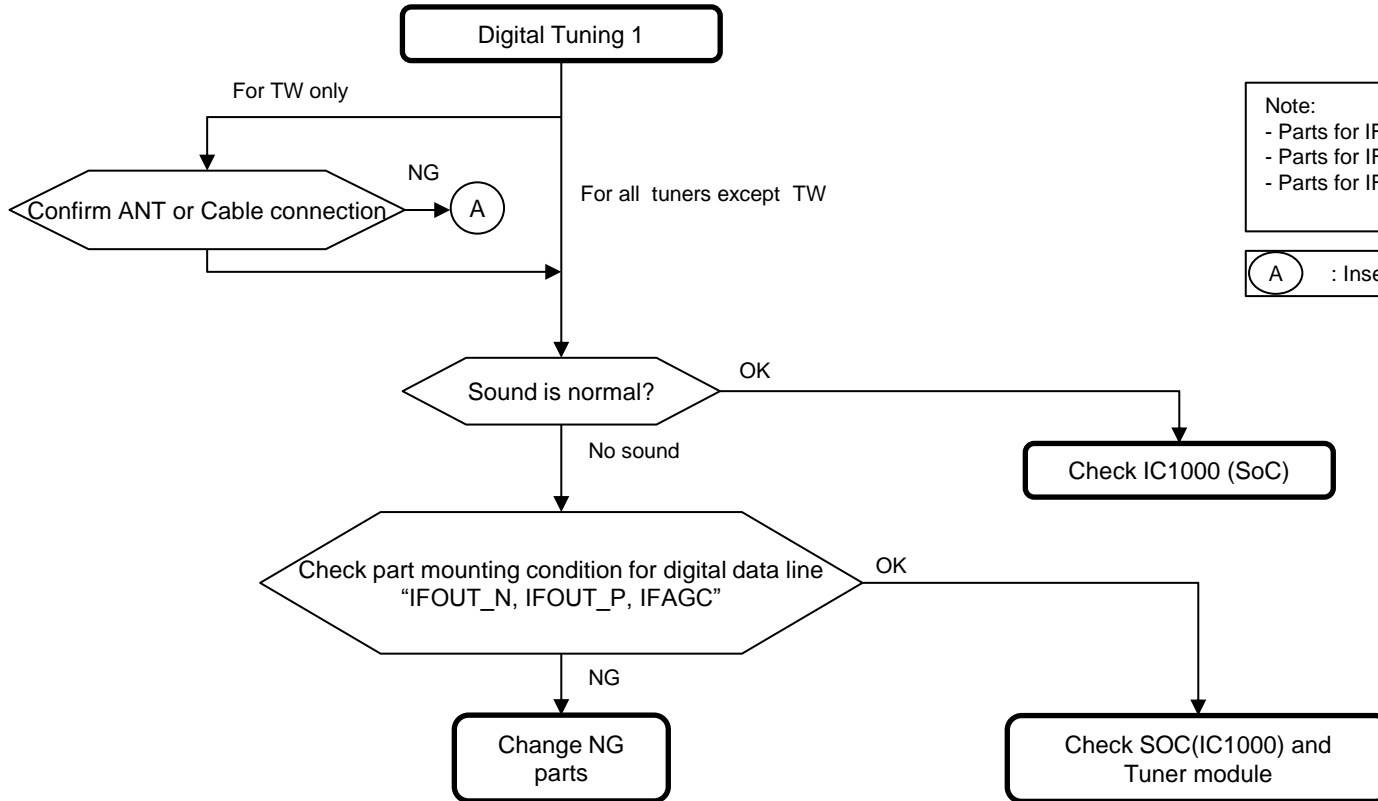
Note:
 - Parts for IFOUT_N line: R6007, FB6002, C6008, R6327, C6301, R6301.
 - Parts for IFOUT_P line: R6008, FB6003, C6009, R6326, C6300, R6300.
 - Parts for IFAGC line: R6072, R6009, R6010, R6069, C6302, R6303.

(A) : Insert correct signal in correct terminal.

FLOW

4-4. NO PICTURE (@ TUNER)

FOR DIGITAL TUNING 1: @ TW, NA-ATSC(MX/UC), JP_SKP and LA-T2(COL)



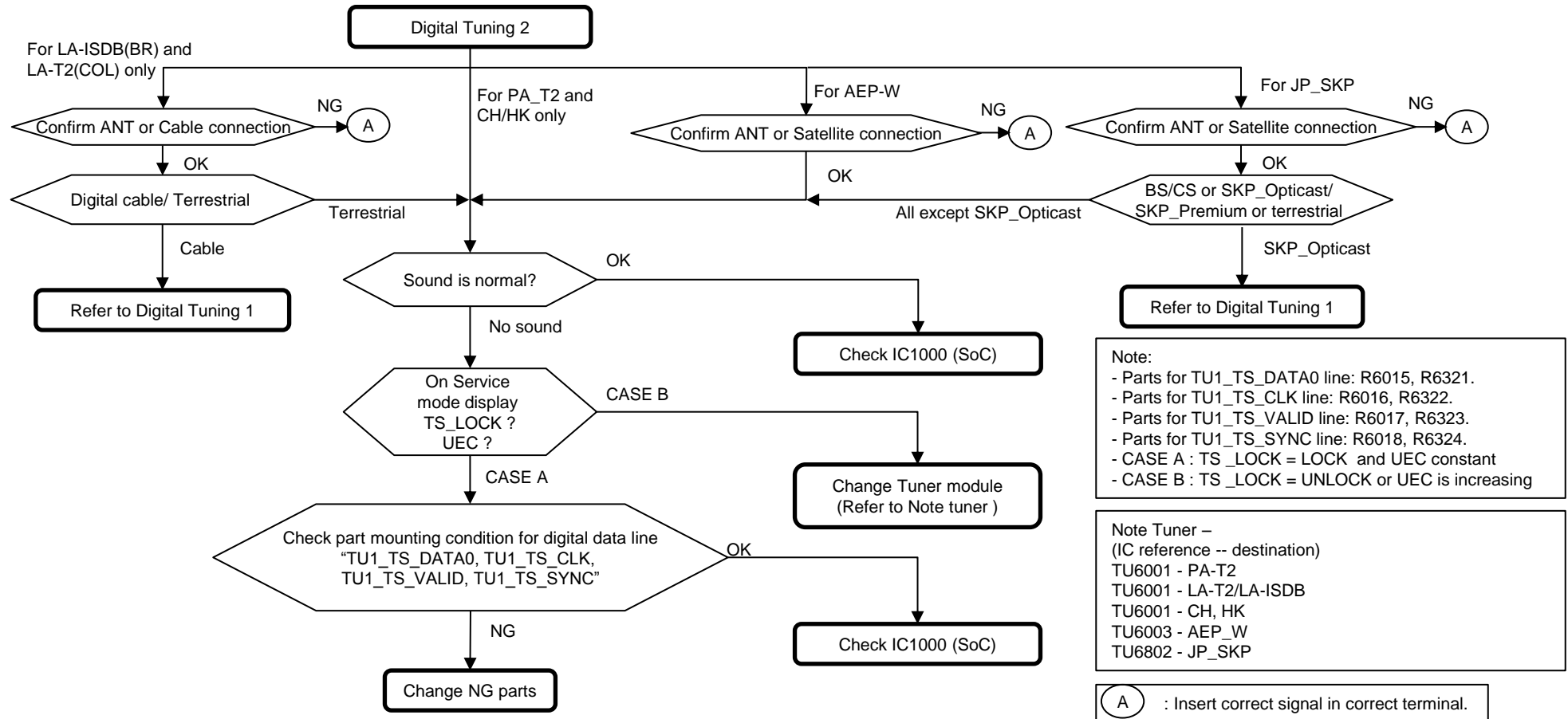
Note:
 - Parts for IFOUT_N line: R6007, FB6002, C6008, R6327, C6301, R6301.
 - Parts for IFOUT_P line: R6008, FB6003, C6009, R6326, C6300, R6300.
 - Parts for IFAGC line: R6072, R6009, R6010, R6069, C6302, R6303.

(A) : Insert correct signal in correct terminal.

FLOW

4-4. NO PICTURE (@ TUNER)

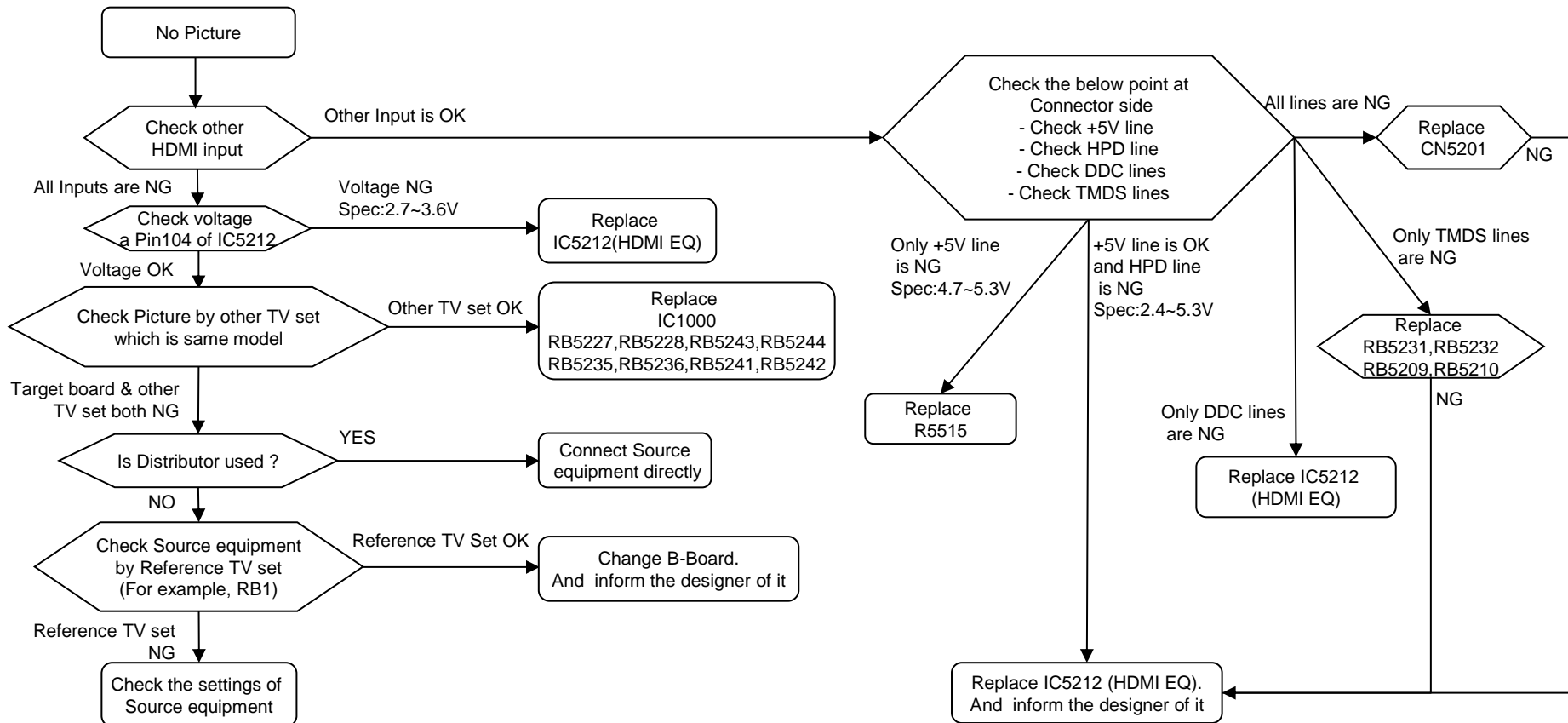
FOR DIGITAL TUNING 2: @ AEP_W, JP_SKP, PA_T2, CH/HK, LA-ISDB(BR/AR) and LA-T2(COL)



FLOW

4-5. NO PICTURE (HDMI)

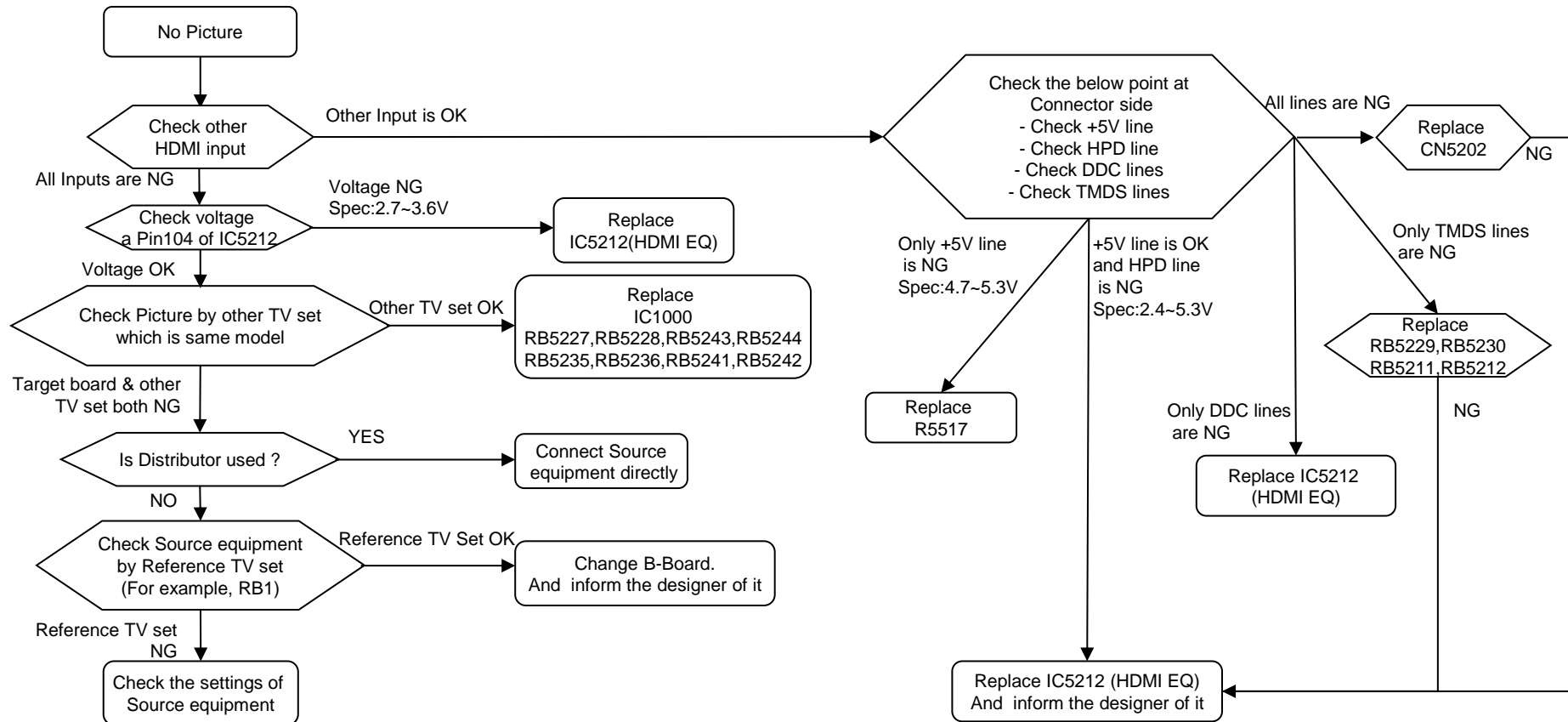
(1) HDMI1



FLOW

4-5. NO PICTURE (HDMI)

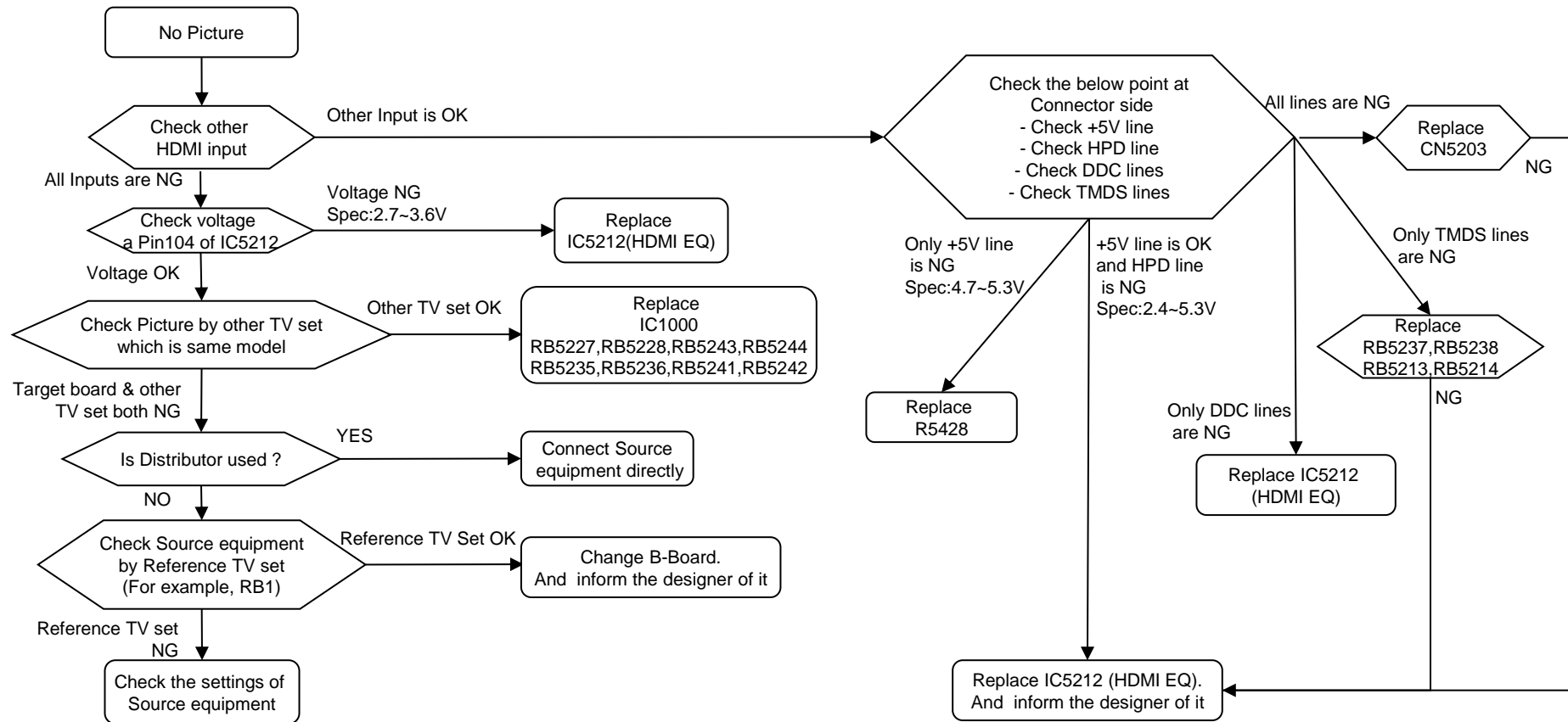
(2) HDMI2



FLOW

4-5. NO PICTURE (HDMI)

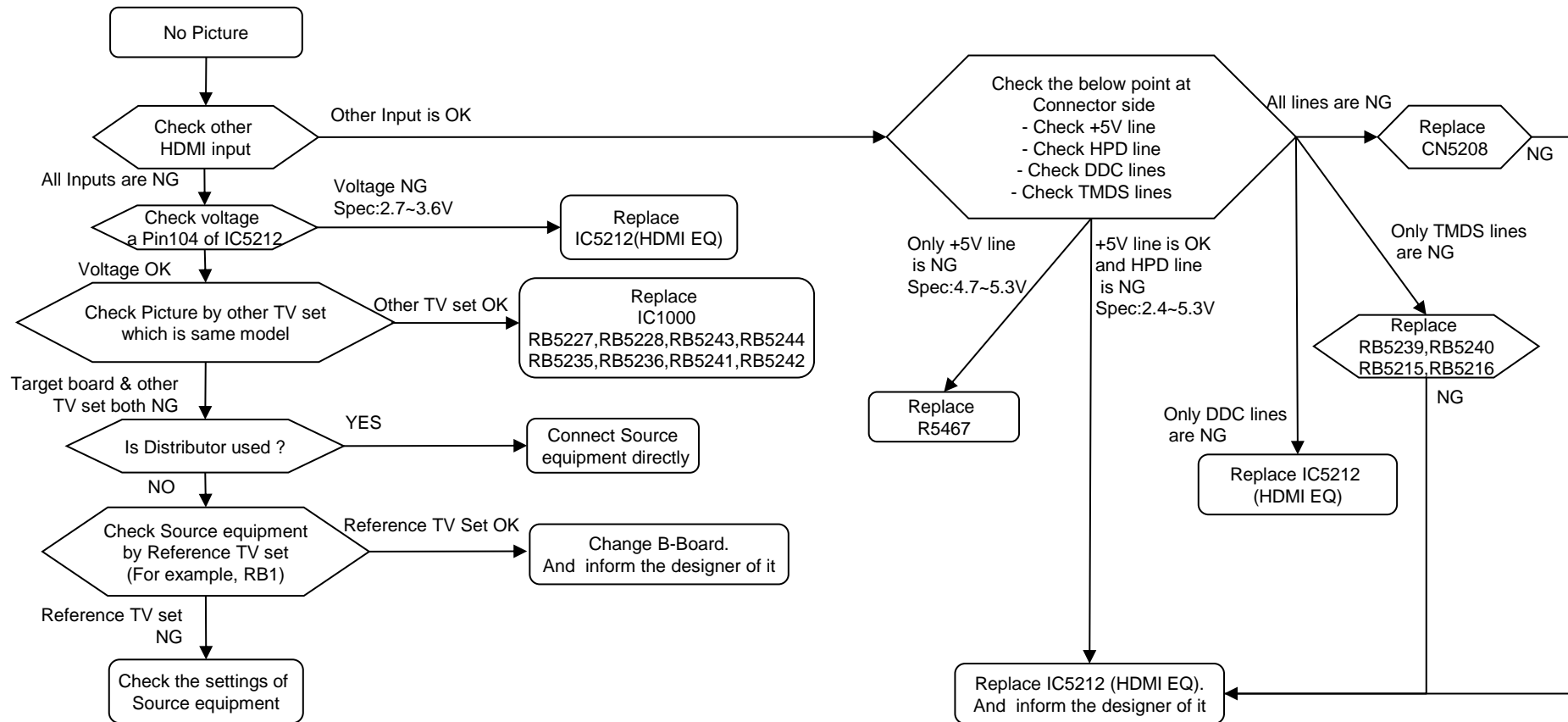
(3) HDMI3



FLOW

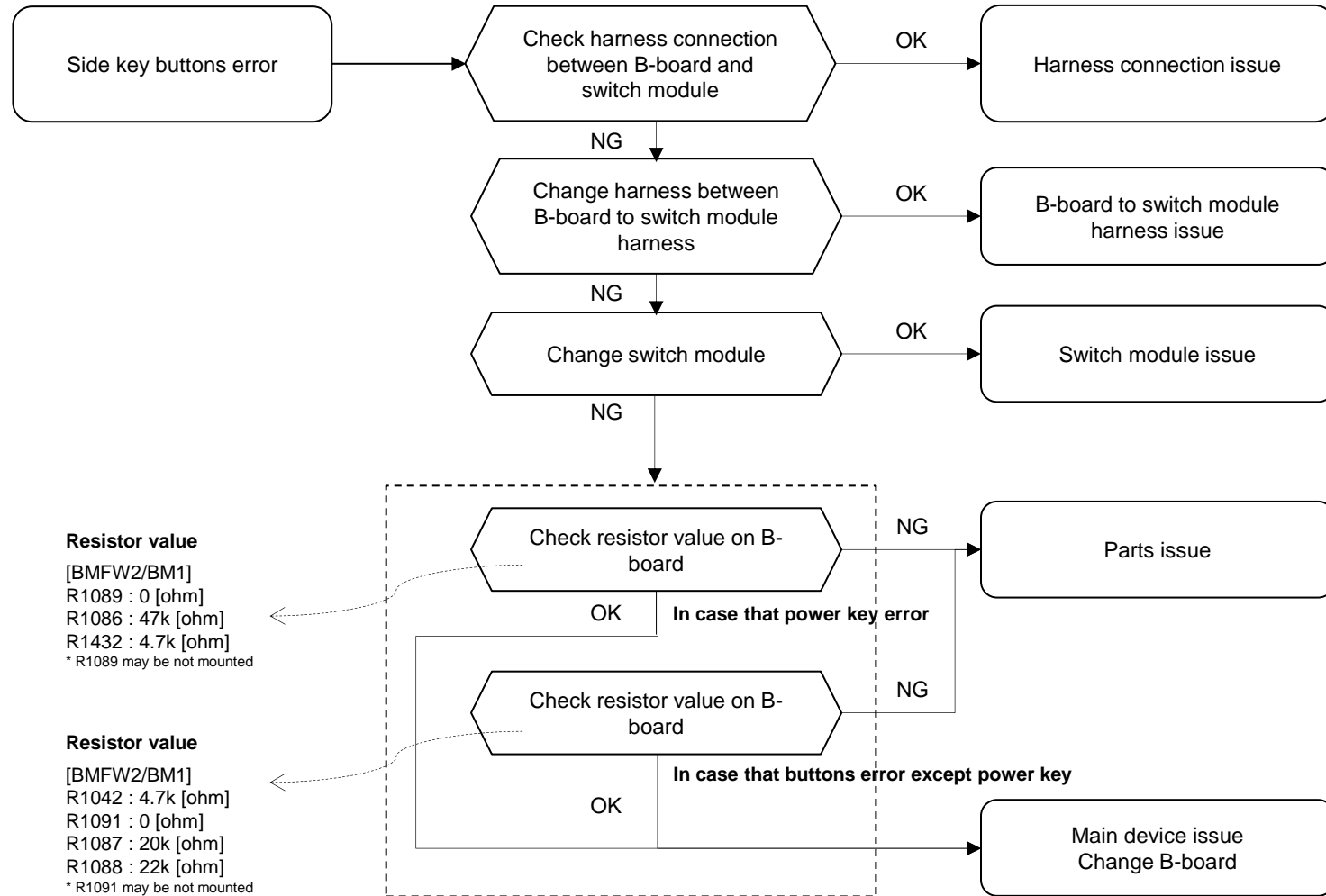
4-5. NO PICTURE (HDMI)

(4) HDMI4



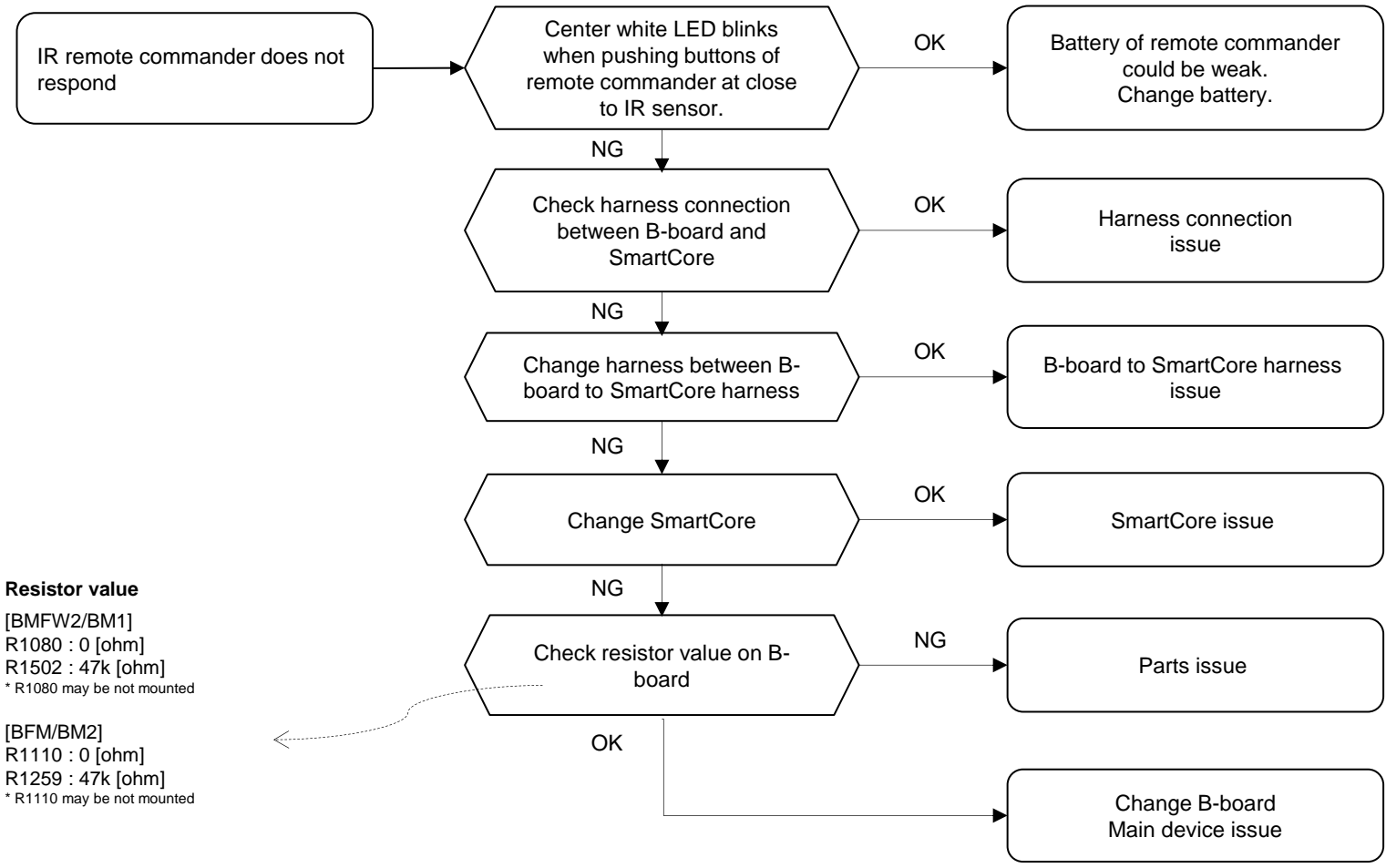
FLOW

5. KEY SWITCH BUTTONS ERROR



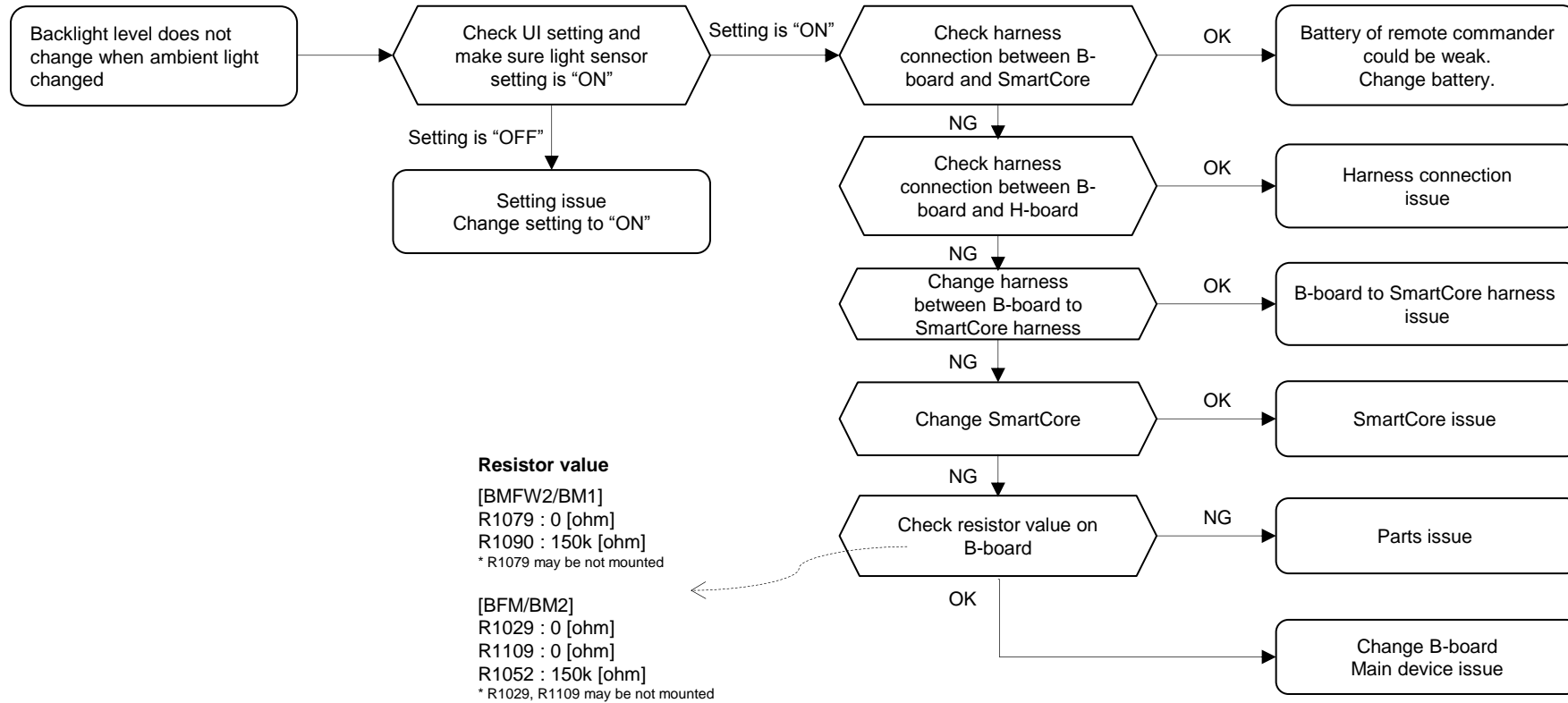
FLOW

6. IR REMOTE COMMANDER ERROR



FLOW

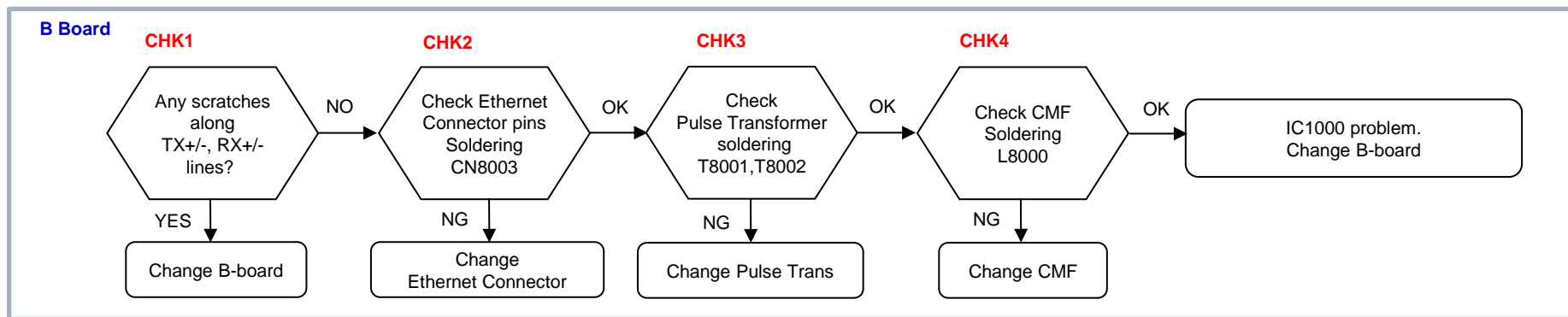
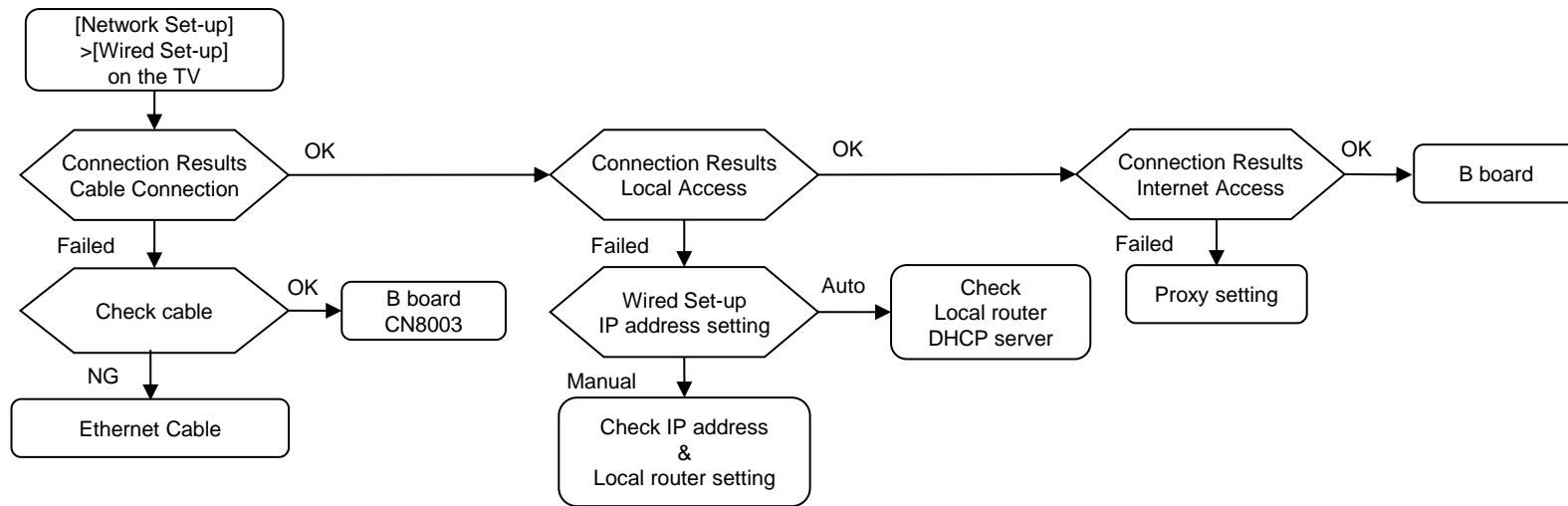
7. LIGHT SENSOR ERROR



FLOW

8. NETWORK MALFUNCTION

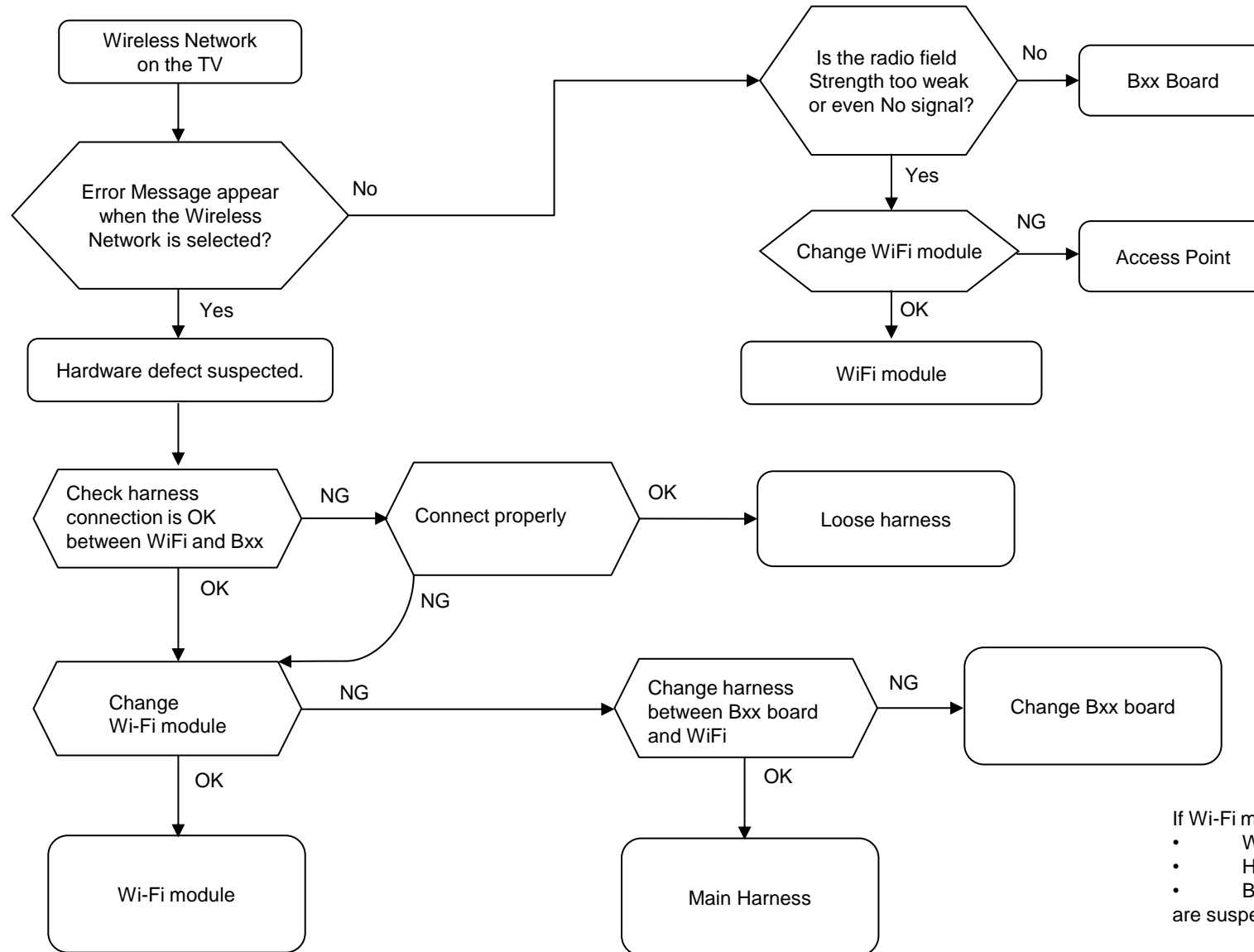
(1) Ethernet (Wired)



FLOW

8. NETWORK MALFUNCTION

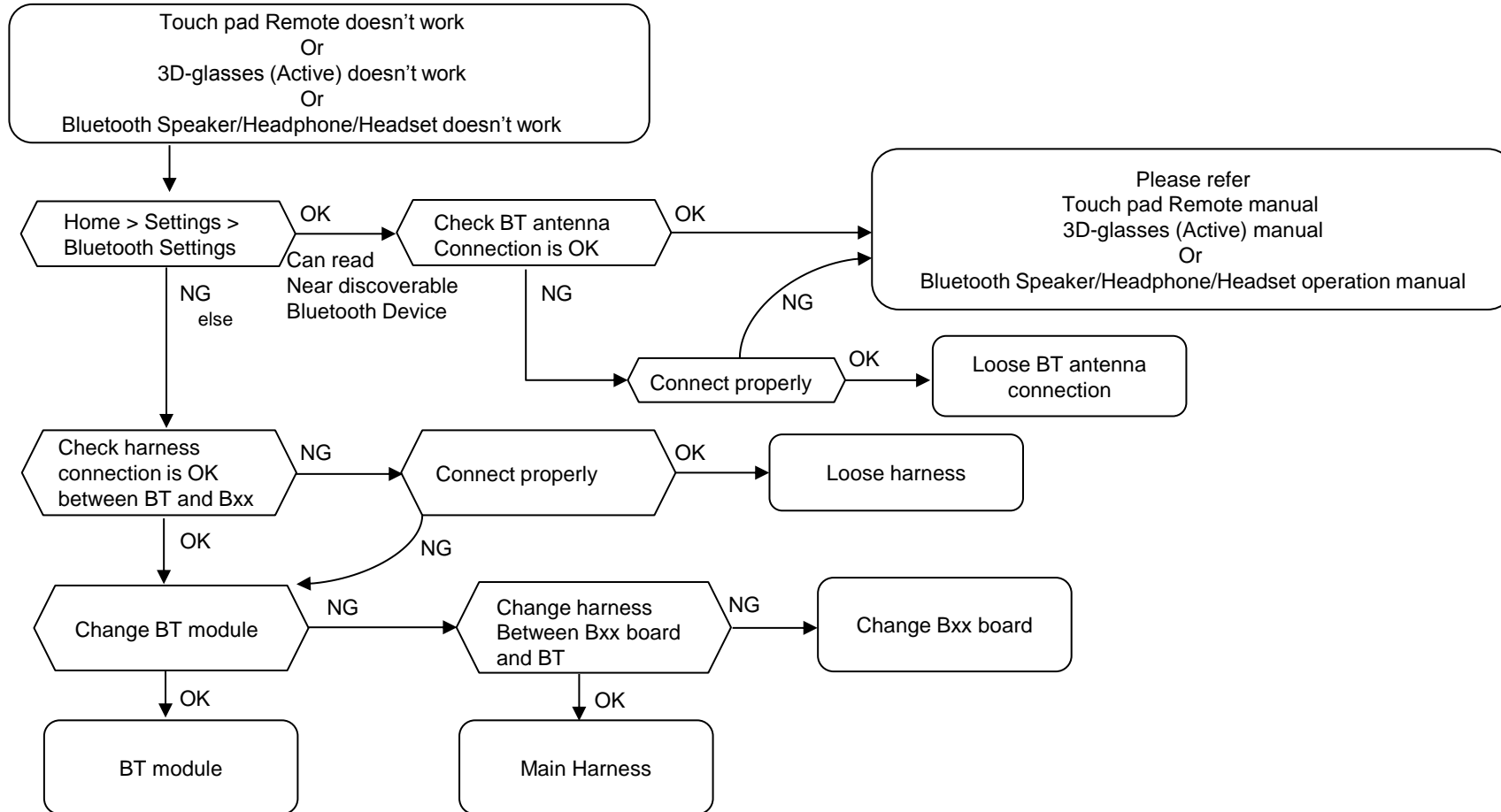
(2) Internal Wireless Network malfunction



If Wi-Fi malfunction happens,
 • Wi-Fi module
 • Harness between WiFi and Bxx
 • Bxx board
 are suspected.

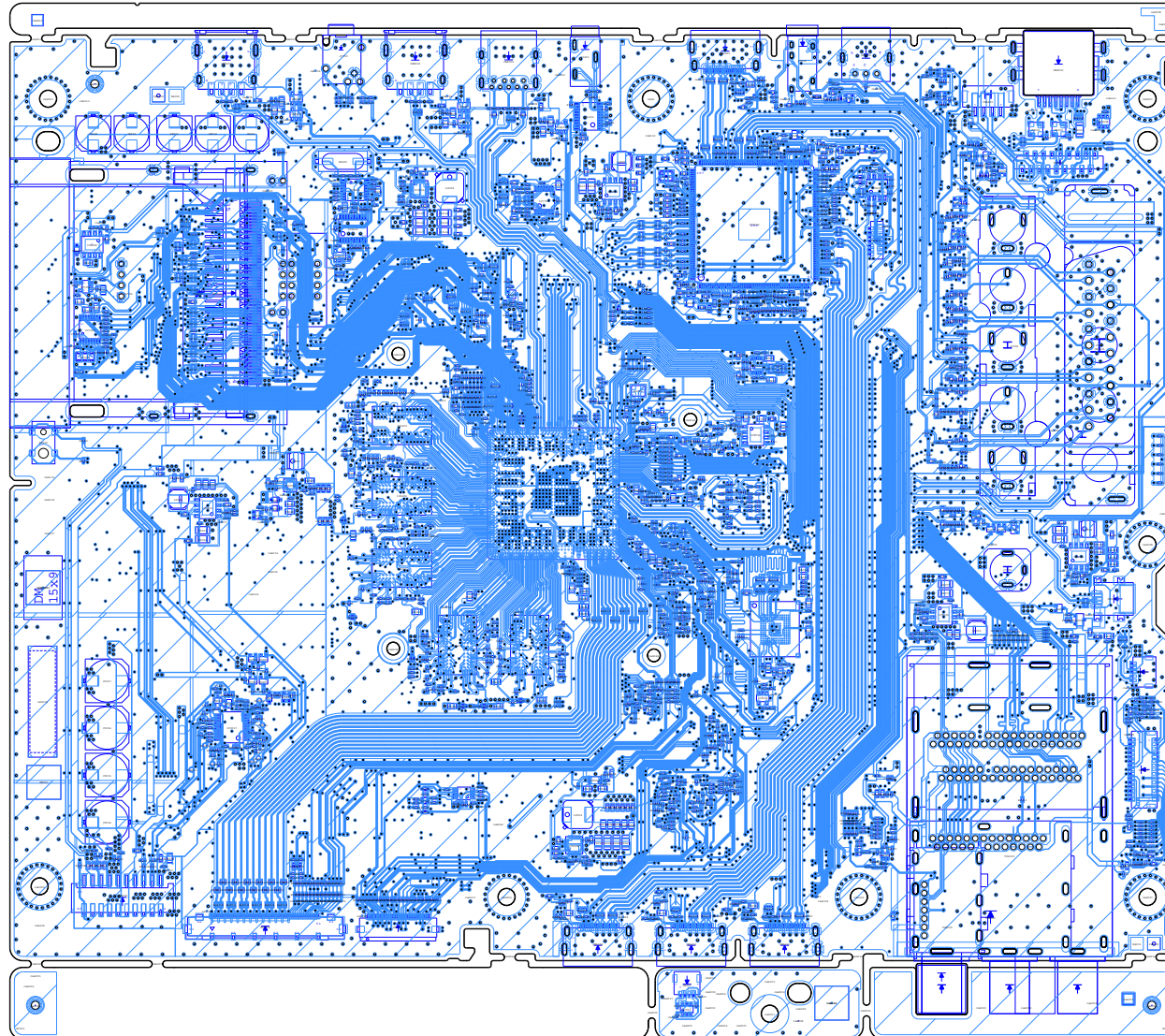
FLOW

9. BLUETOOTH MALFUNCTION



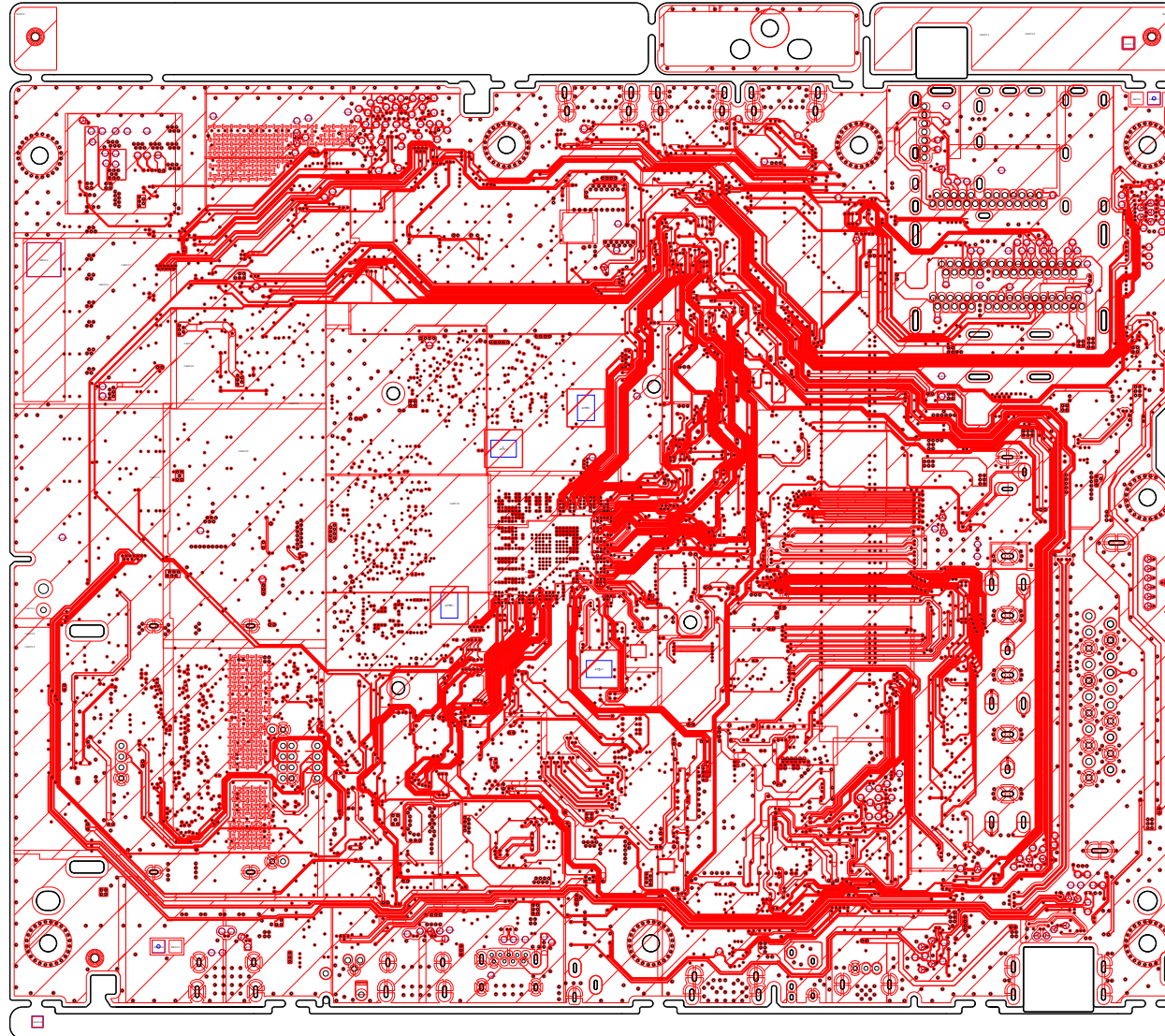
PCB PARTS MAP

BM1 (A side view)



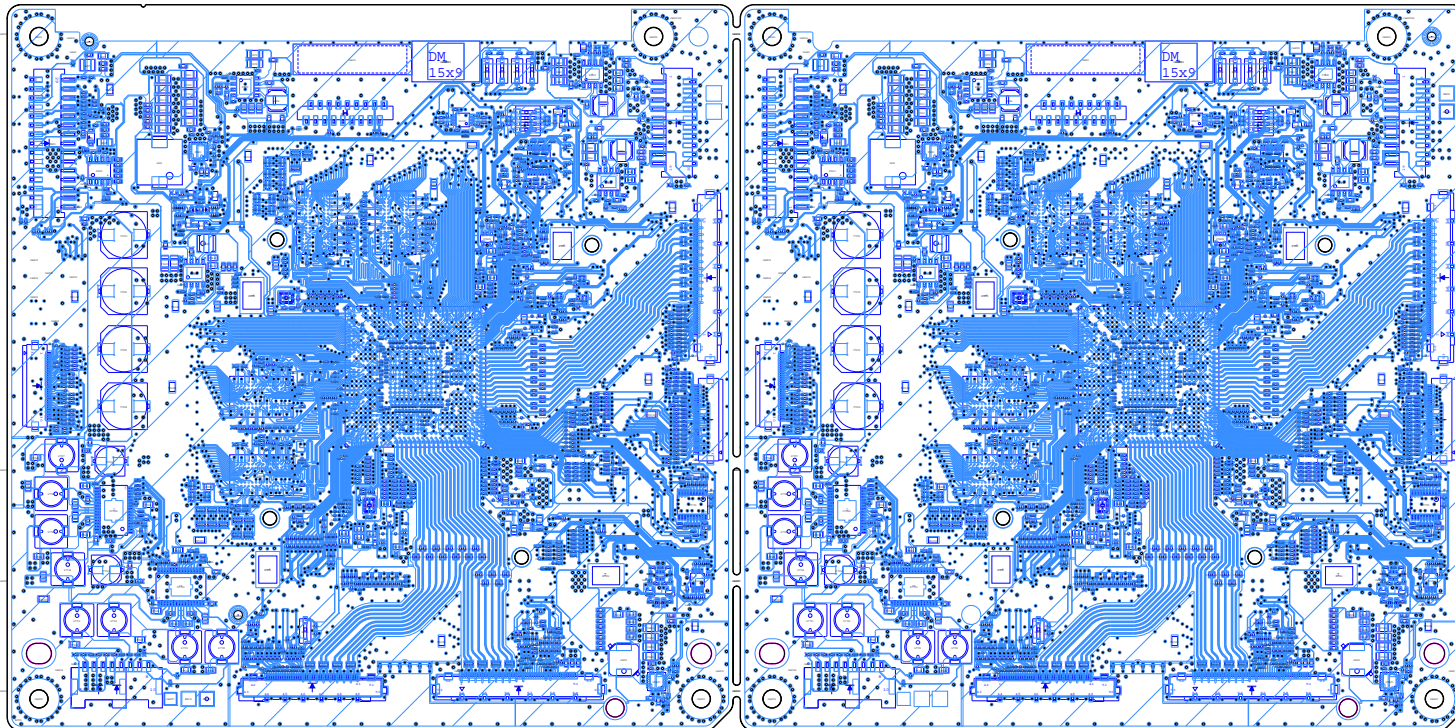
PCB PARTS MAP

BM1 (B side view)



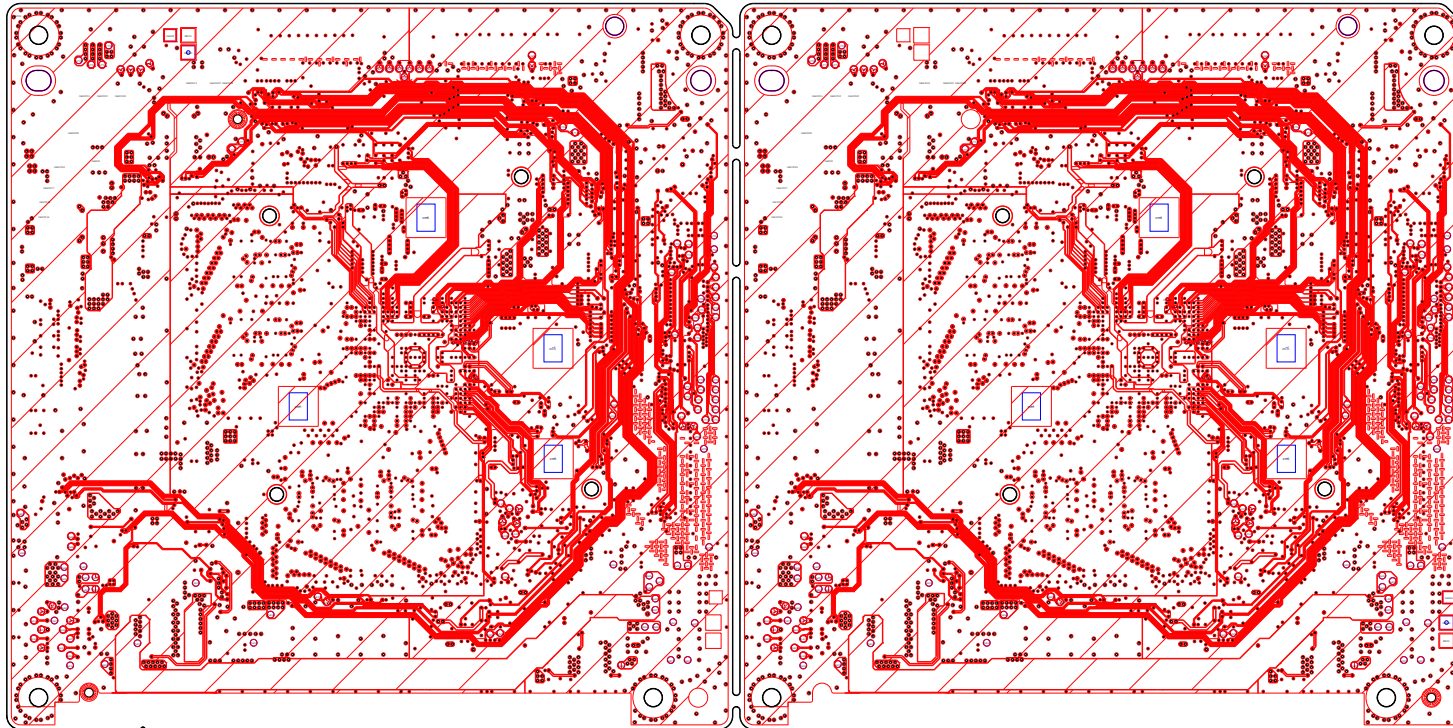
PCB PARTS MAP

DPS (A side view)



PCB PARTS MAP

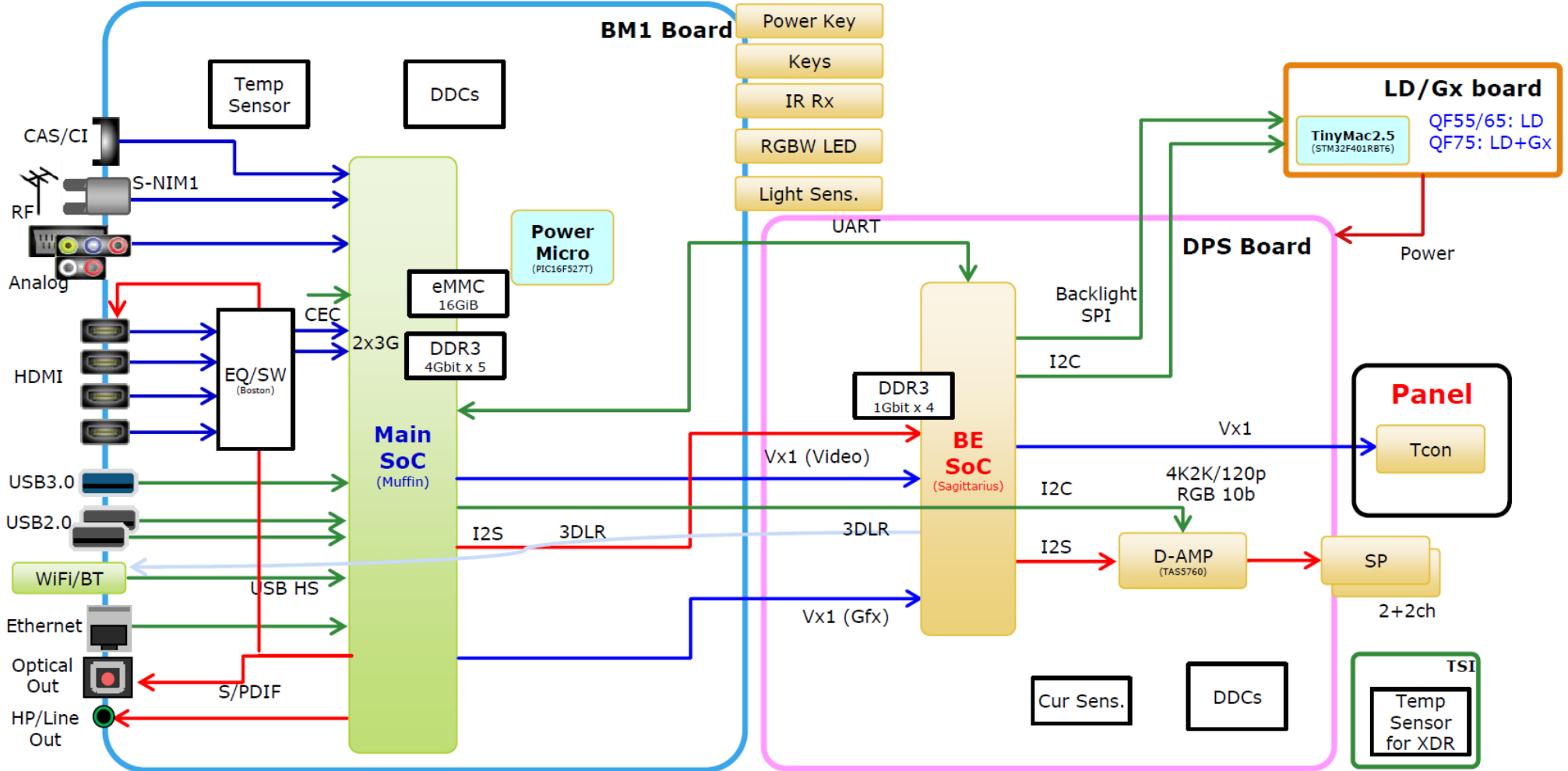
DPS (B side view)



DIAGRAMS

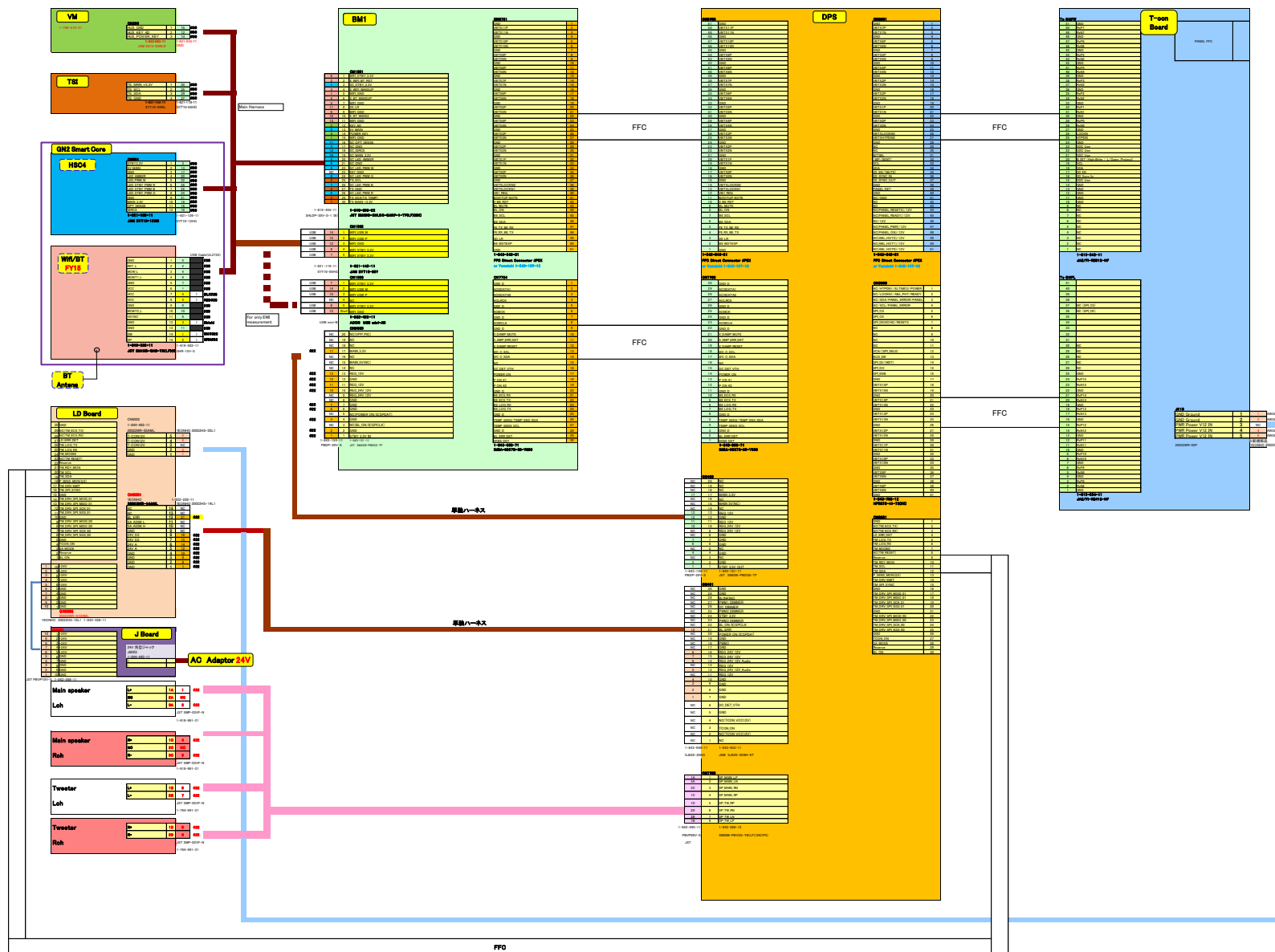
BLOCK DIAGRAM (Common for all inches)

Some control lines are left out.



CONNECTOR DIAGRAM

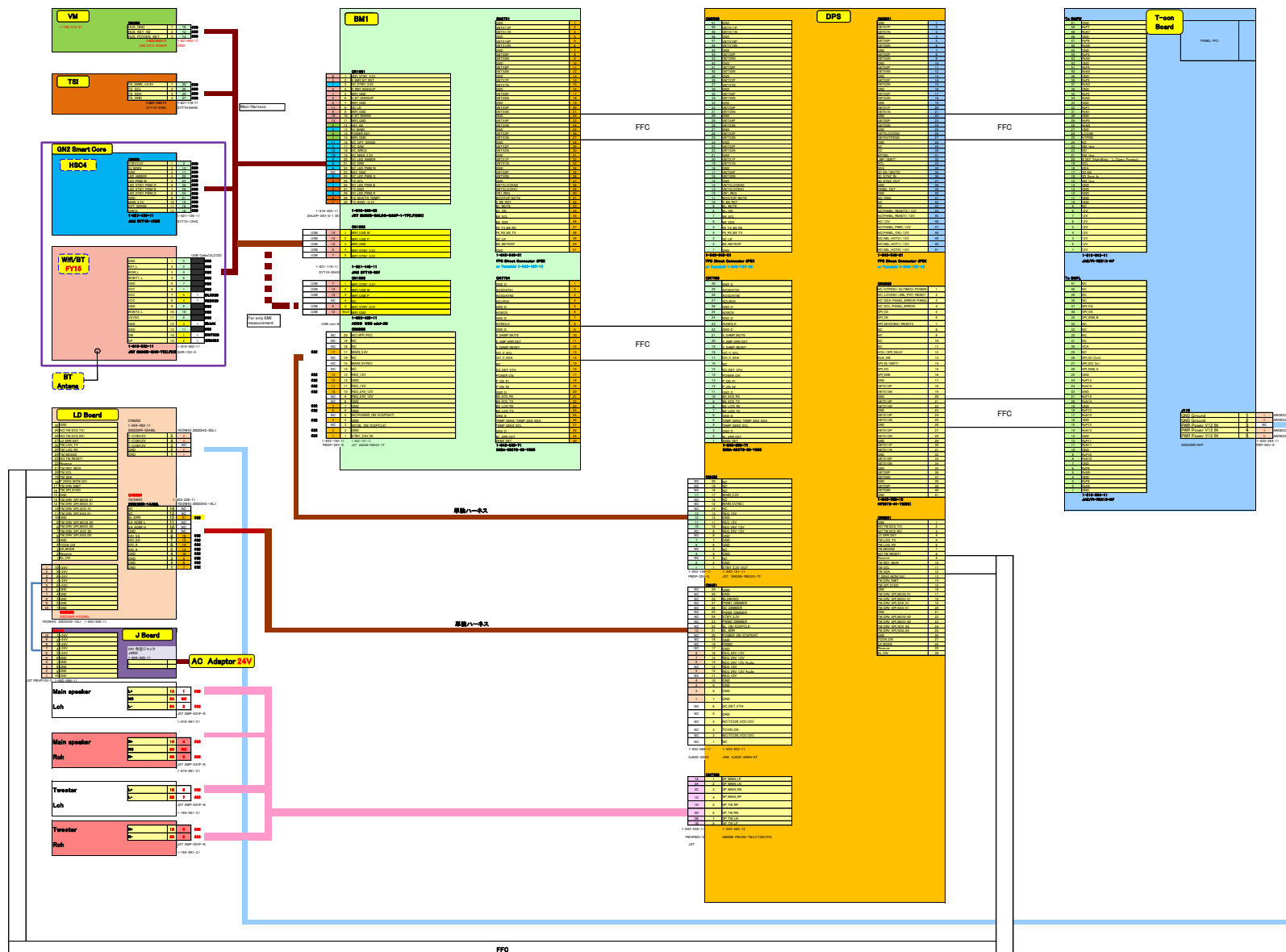
1. XBR-55X930D



FFC

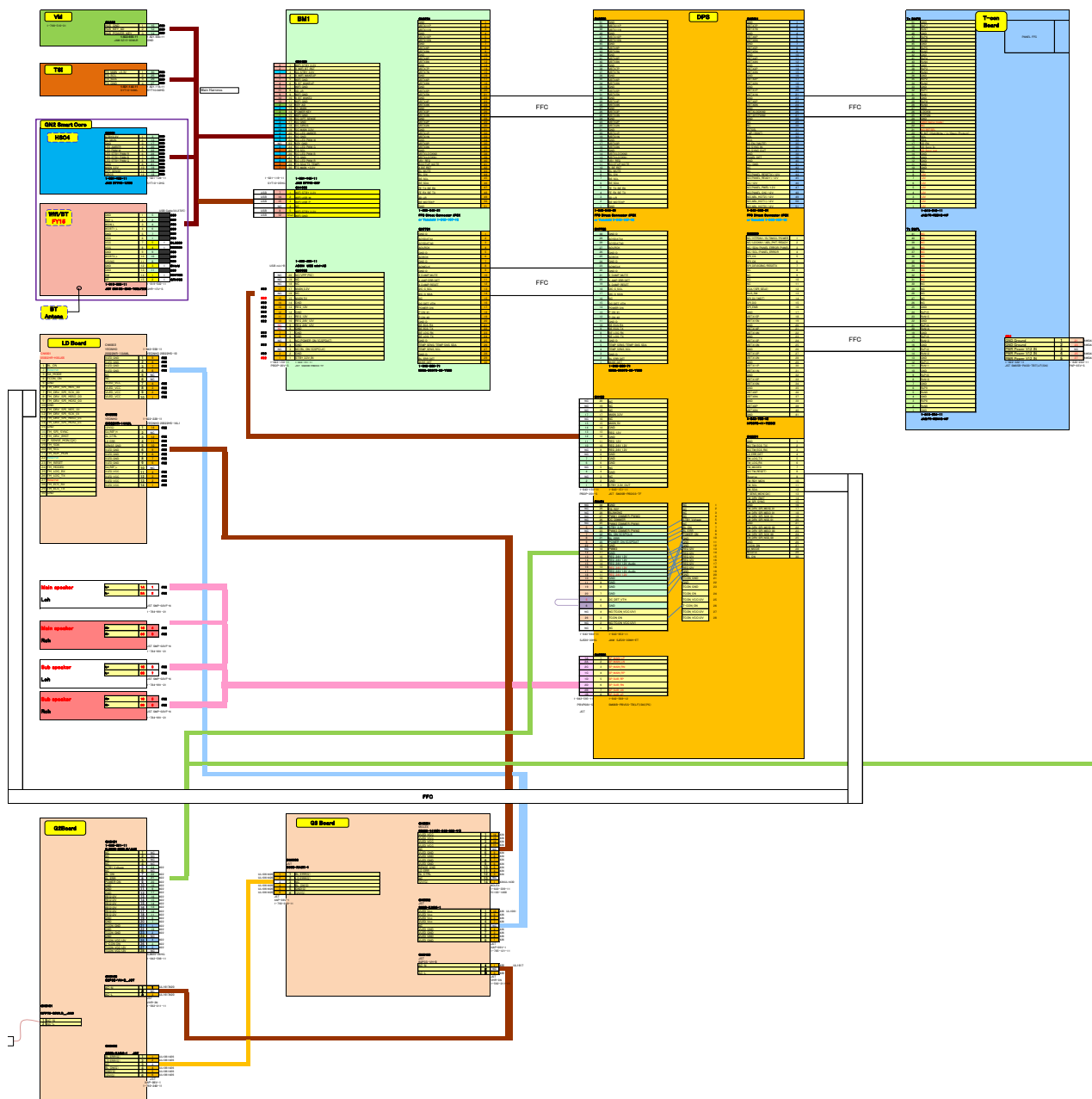
CONNECTOR DIAGRAM

2. XBR-65X930D/935D/937D



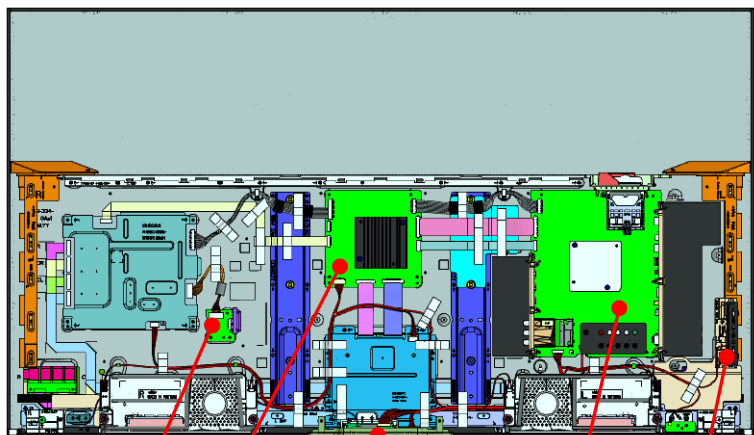
CONNECTOR DIAGRAM

3. XBR-75X940D



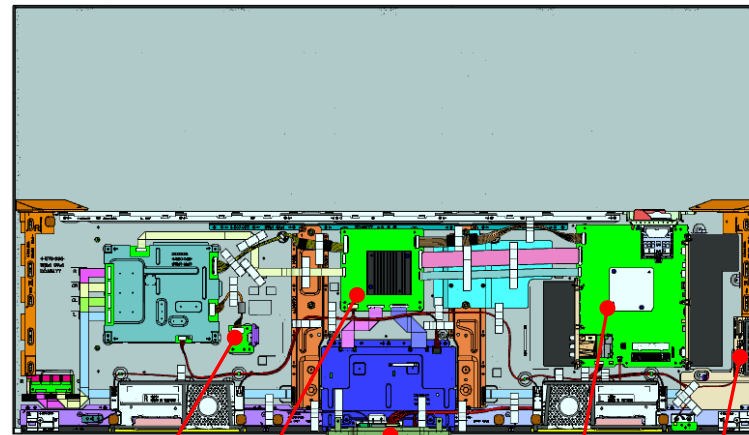
BOARDS LOCATION

XBR-55X930D



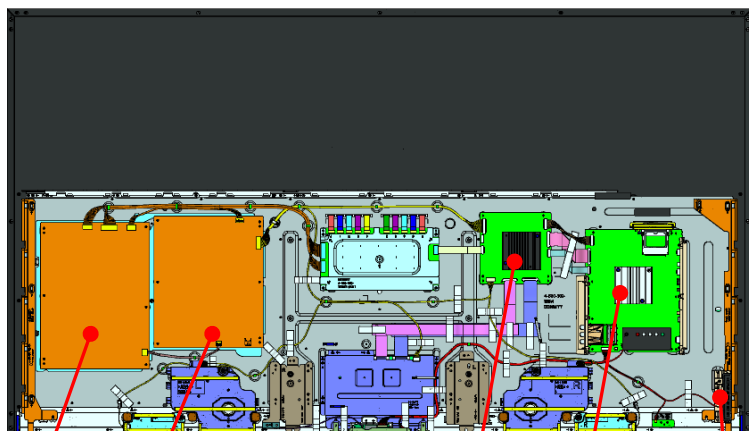
J DPS SMART CORE (S) BM1 SWITCH UNIT

XBR-65X930D/935D/937D



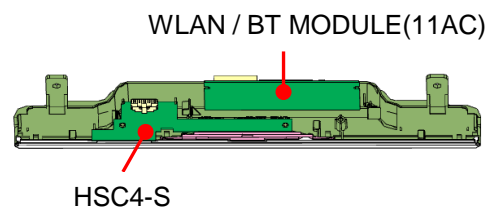
J DPS SMART CORE (S) BM1 SWITCH UNIT

XBR-75X940D

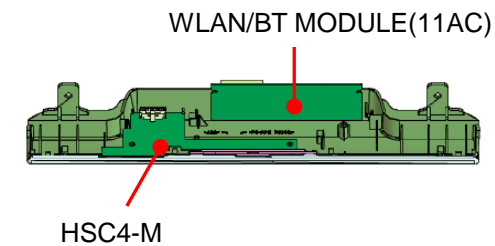


G3 G2 SMART CORE (M) DPS BM1 SWITCH UNIT

SMART CORE (S)



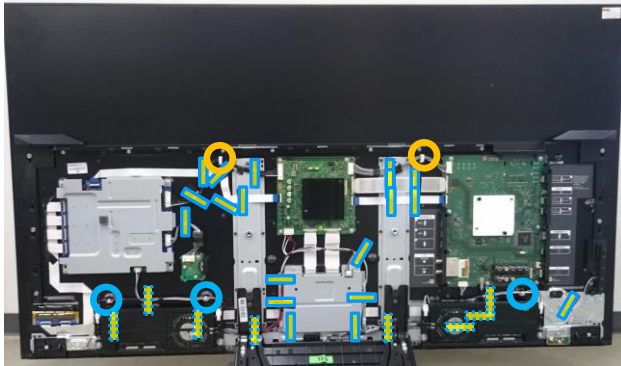
SMART CORE (M)



WIRE DRESSING

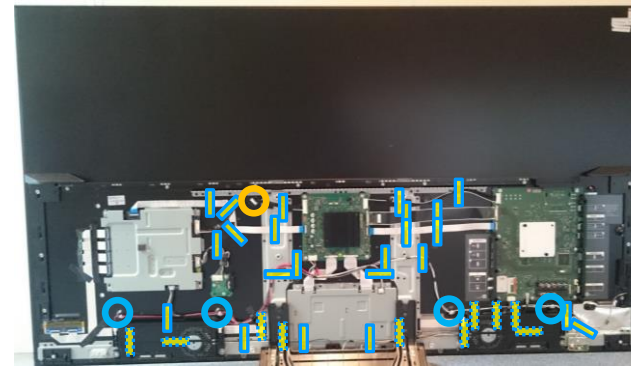
Overview

XBR-55X930D



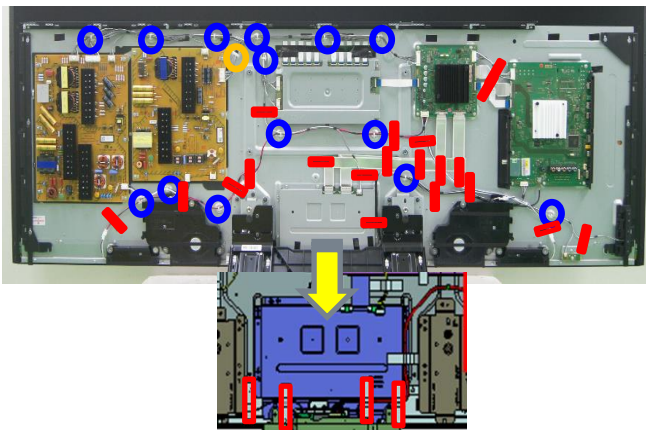
- VA Tape x27
• Fix wire
- Harness Tie x3
• Fix wire
- Slide Clamp x2
• Hold wires

XBR-65X930D/935D/937D



- VA Tape x33
• Fix wire
- Harness Tie x4
• Fix wire
- Slide Clamp x1
• Hold wires

XBR-75X940D



- VA Tape x24
• Fix wire
- Harness Tie x14
• Fix wire
- Slide Clamp x1
• Hold wires

PANEL HANDLING

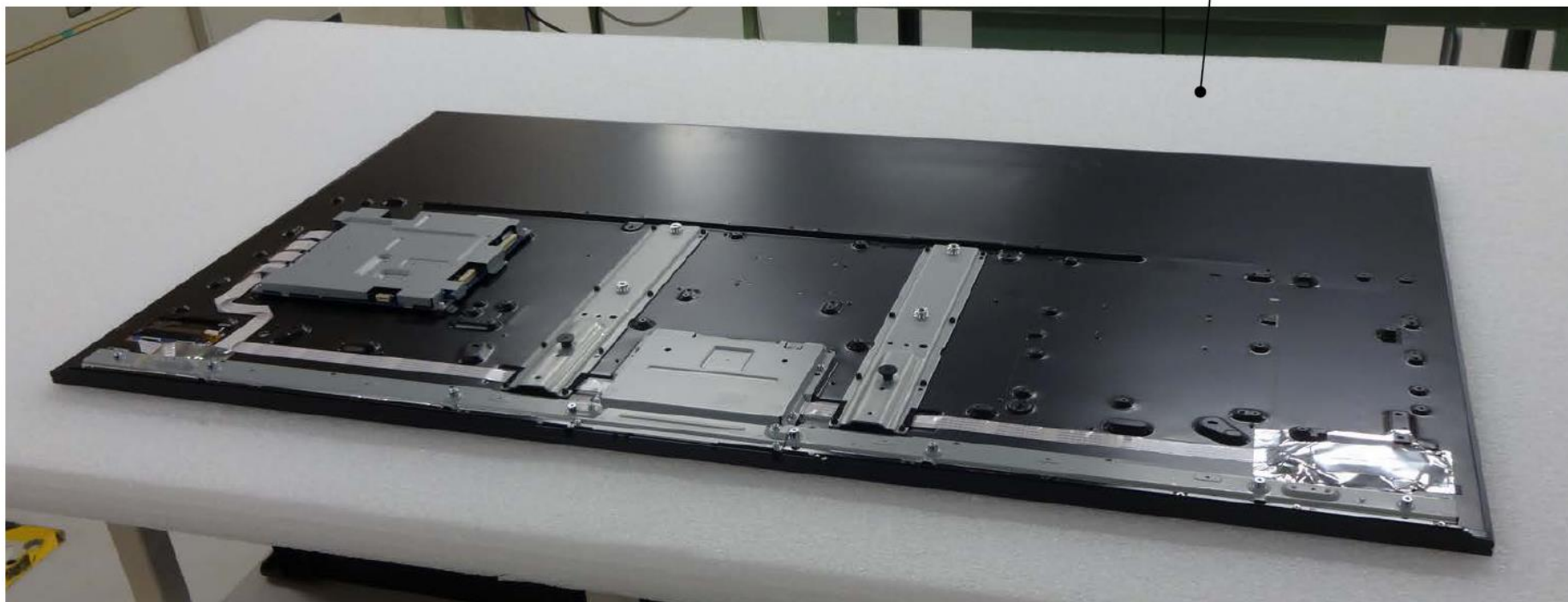
ON WORKING TABLE (55"/65")

*TV set handling is same as Panel basically.

Caution:

- Put soft & clean sheet on the table, when you put the Panel.
- Be careful there is nothing on the table such as dust, scrap, screw and so on.
(Risk of scratches on aluminum frame or screen surface while moving the module.)
- One-man handling is prohibited.

Soft & Clean Sheet (EPE/PE-FM/etc)
No-Dust/Scrap/Screw/etc



PANEL HANDLING

ON WORKING TABLE (75")

*TV set handling is same as Panel basically.

Caution:

- 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) ①
- Put soft & clean sheet on the table, when you put the Panel. ②
- Be careful there is nothing on the table such as dust, scrap, screw and so on.
(Risk of scratches on aluminum frame or screen surface while moving the module.)
- One-man handling is prohibited.
- Use "rubber gloves" when you handle the Panel.(like below or equivalent) ③



①



②

Soft & Clean Sheet (EPE/PE-FM/etc)
No-Dust/Scrap/Screw/etc

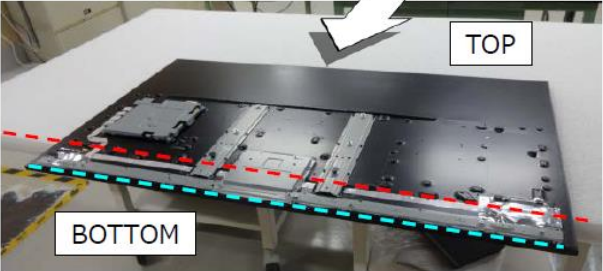


③

Rubber gloves

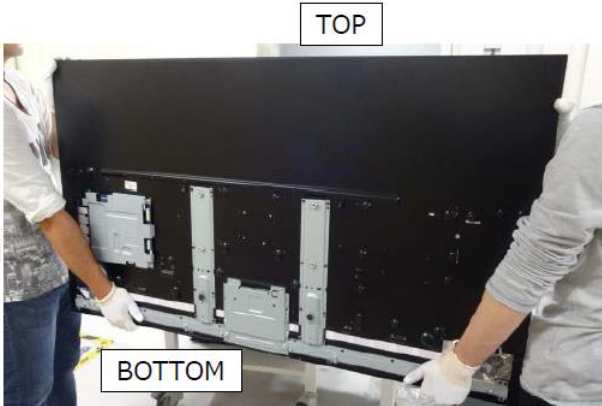
LIFTING UP (55"/65")

*TV set handling is same as Panel basically.



Shift the panel to hold Bottom side (Don't slip the panel)

Hold Bottom side



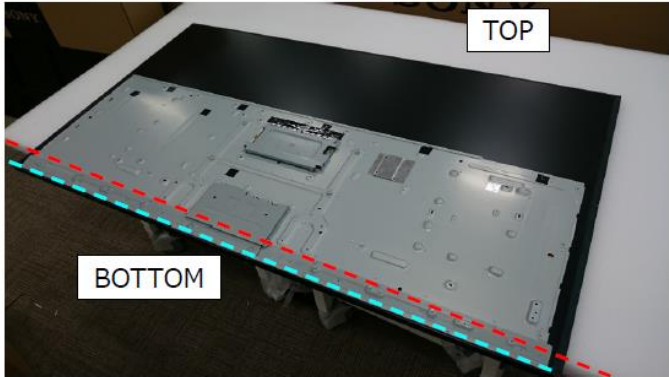
Lift up Top side

Flip up to vertical position

Recommended holding position (Refer to following pages for detail)

LIFTING UP (75")

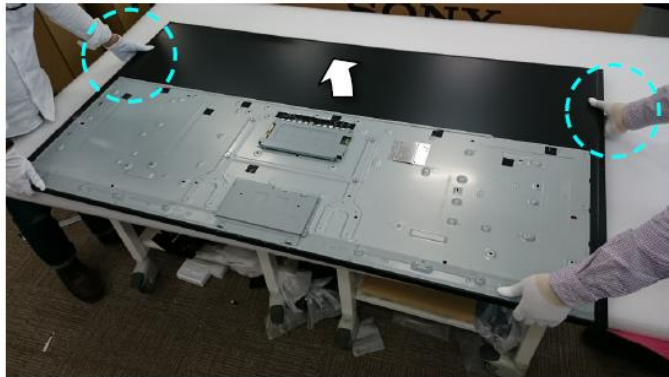
*TV set handling is same as Panel basically.



Put the panel to hold Bottom side
(Don't slip the panel)



Hold Bottom side



Lift up Top side

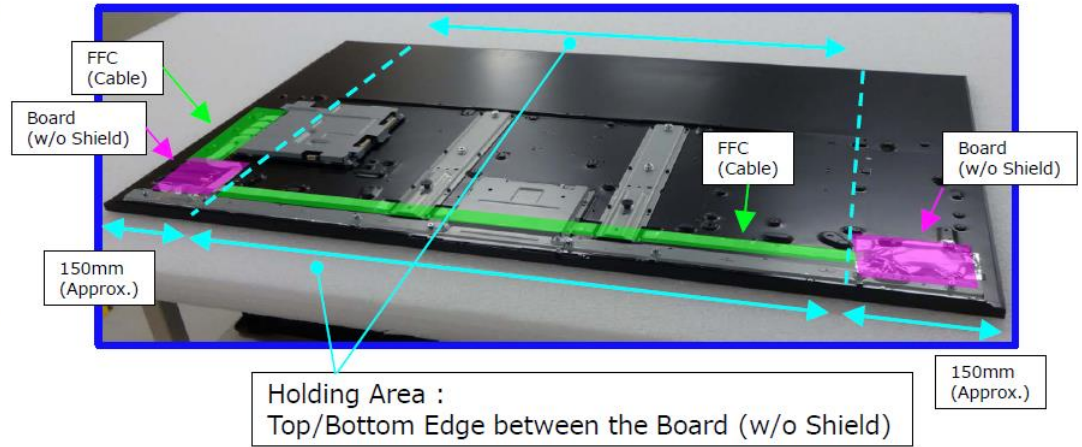
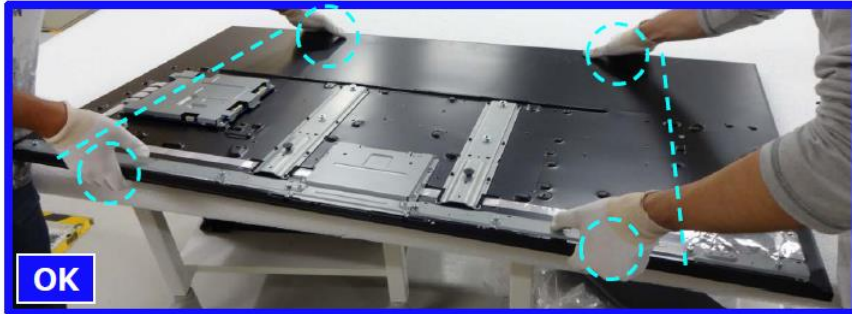


Flip up to vertical position

Recommended holding position (Refer to following pages for detail)

HOLDING ON HORIZONTAL POSITION (55"/65")

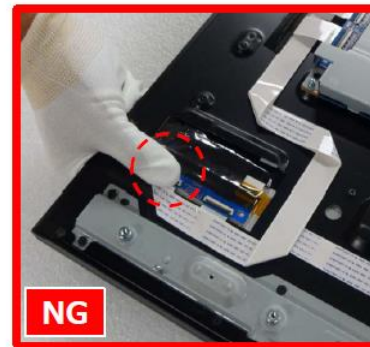
*TV set handling is same as Panel basically.



Holding around Corner



Holding Left/Right Edge



Pushing Board (w/o Shield)



Pushing FFC (Harness)

HOLDING ON HORIZONTAL POSITION (75")

*TV set handling is same as Panel basically.



Holding around Corner



Holding Left/Right Edge (Both hands)



Pushing Board (w/o Shield)

HOLDING ON VERTICAL POSITION & MOVING (55"/65")

*TV set handling is same as Panel basically.



Holding Left/Right Edge



Moving at Horizontal Condition is NG



Catching Frame by Finger



Pushing Display by Finger



Move the Panel at Vertical Condition



Not-pushing Display by Finger



Pushing Display by Finger

HOLDING ON VERTICAL POSITION & MOVING (75")

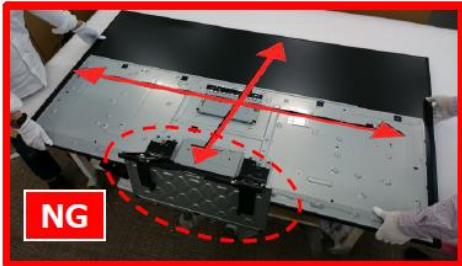
*TV set handling is same as Panel basically.



Holding Left/Right Edge



Moving at Horizontal Condition



Moving with stand



Catching Frame by Finger



Pushing Display by Finger



Move the Panel at Vertical Condition



Not-pushing Display by Finger



Pushing Display by Finger

HOLDING ON VERTICAL POSITION & MOVING (TV set only) (55"/65")



Holding Terminal Area



Holding Terminal Area



Holding Terminal Area



Holding Terminal Area



Holding Smart Core

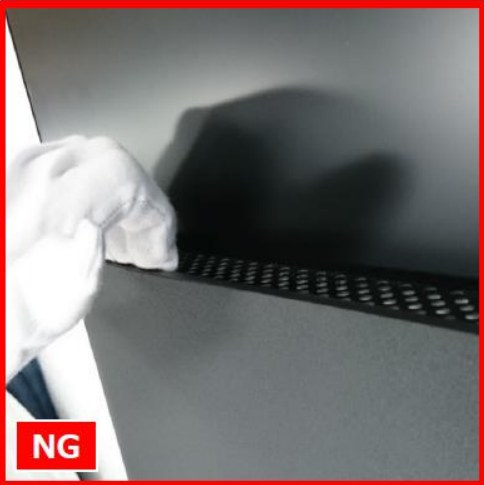


Holding Stand Cover



Holding Terminal Cover

HOLDING ON VERTICAL POSITION & MOVING (TV set only) (75")



Holding Rear Cover Top Area



Holding Terminal Area



Holding Card slot Area



Holding Smart Core



Holding Stand Cover



Holding Terminal Area



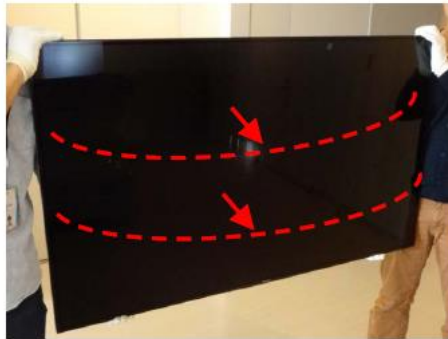
Holding Terminal Cover

BACK UP (55"/65")

*TV set handling is same as Panel basically.

Caution:

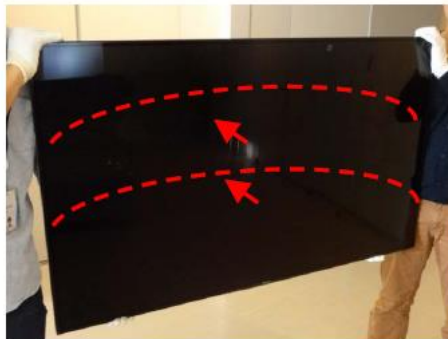
- If Panel is handled roughly (Ex: Moving at Horizontal Condition), Panel will warp.
- In case of warp due to rough handling, Try the recovery method as below.
(If the warp is not so big, it will become normal.)



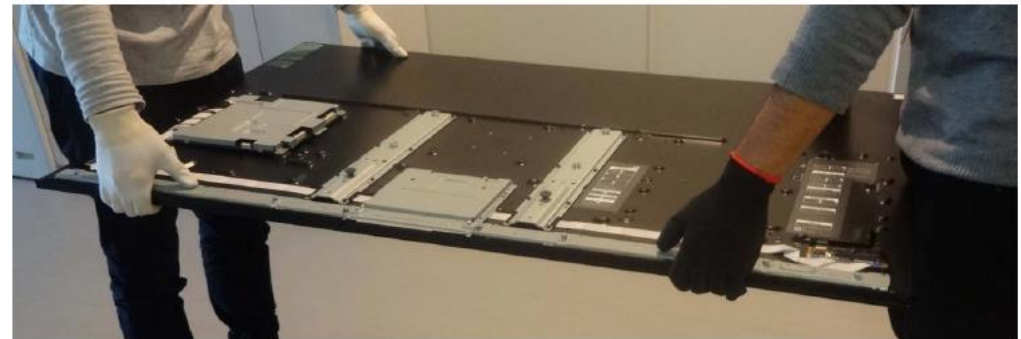
Warp (+)



Hold the Panel at Display-side up Condition and Keep 10sec.

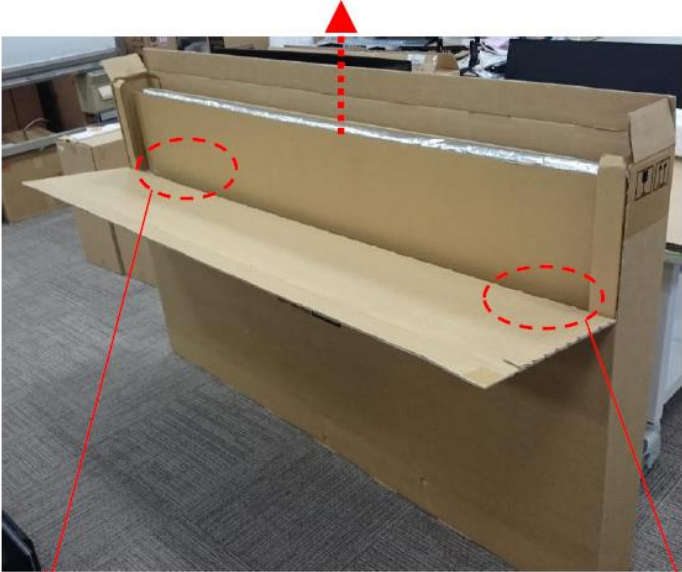
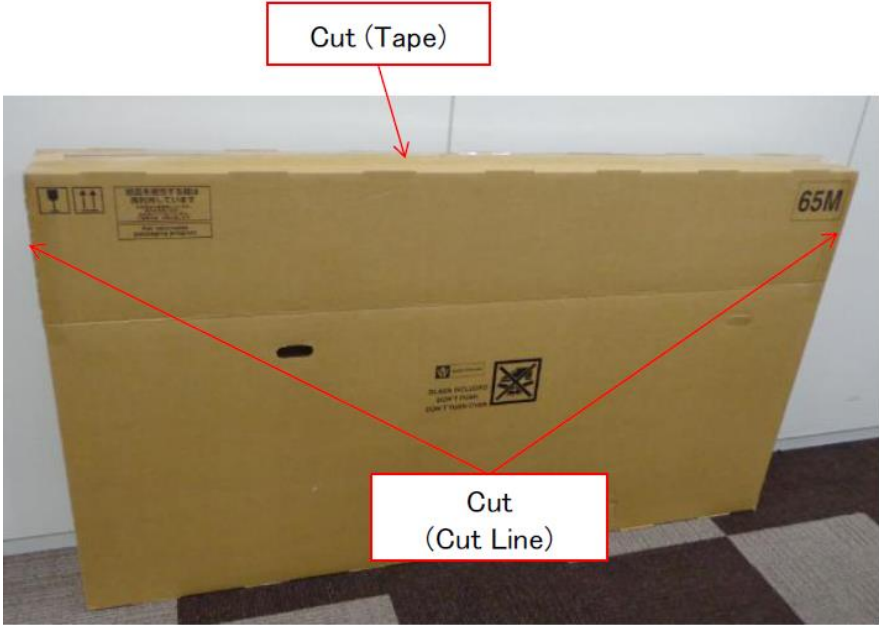


Warp (-)



Hold the Panel at Display-side down Condition and Keep 10sec.


HOW TO TAKE OUT PANEL FROM SERVICE PACKAGE (75")



Handle hole

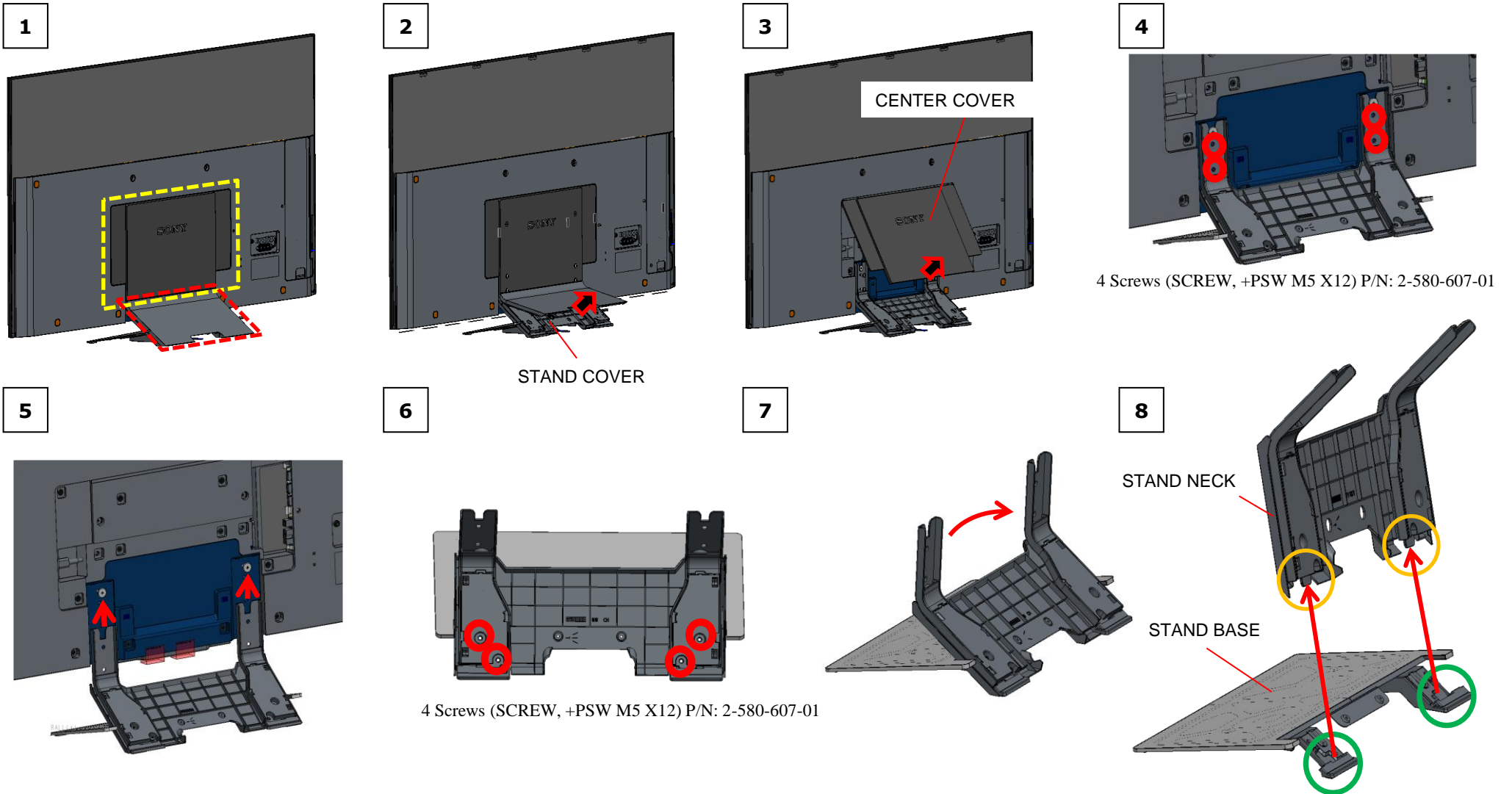


DISASSEMBLY

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

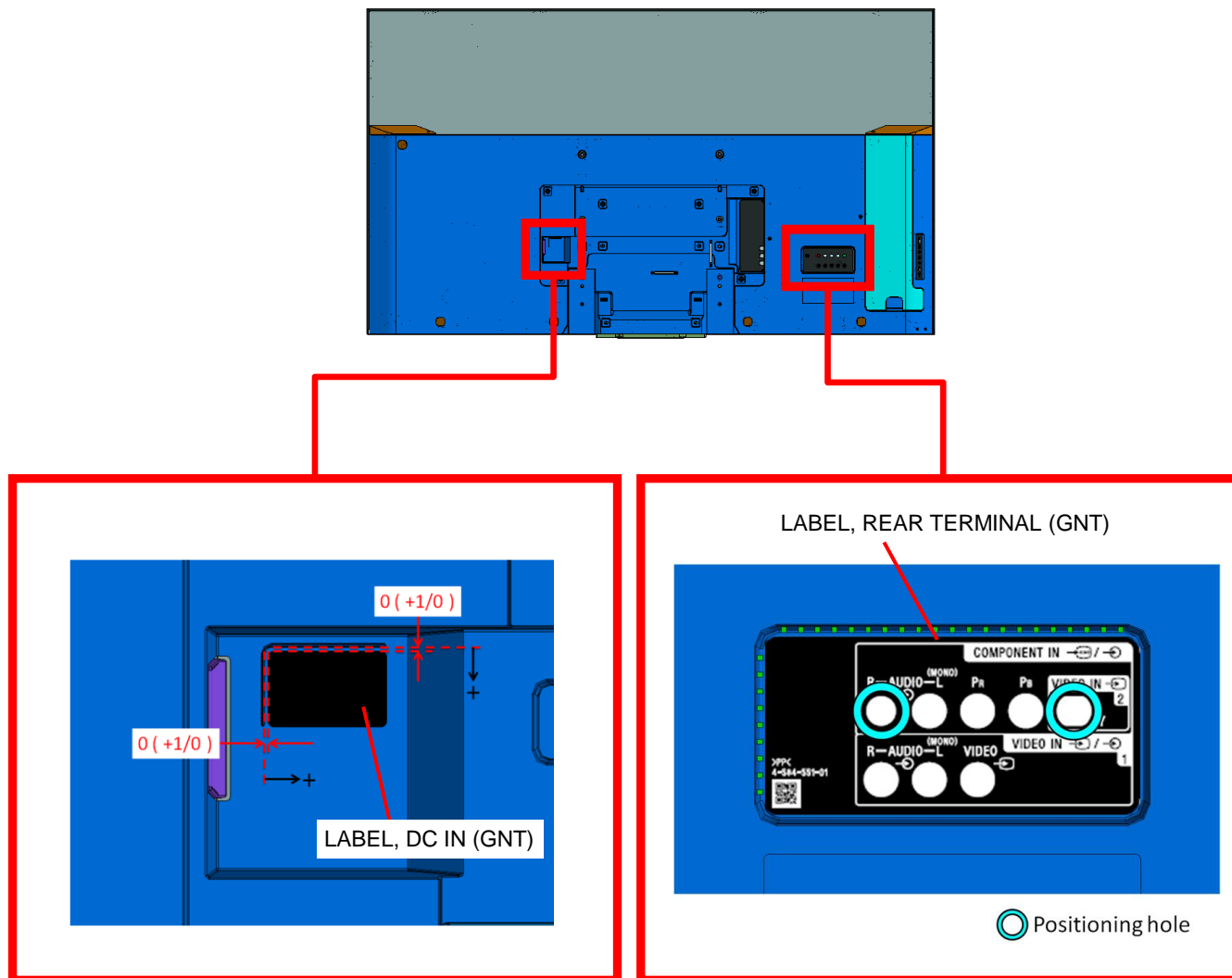
1. XBR-55X930D

1-1. STAND



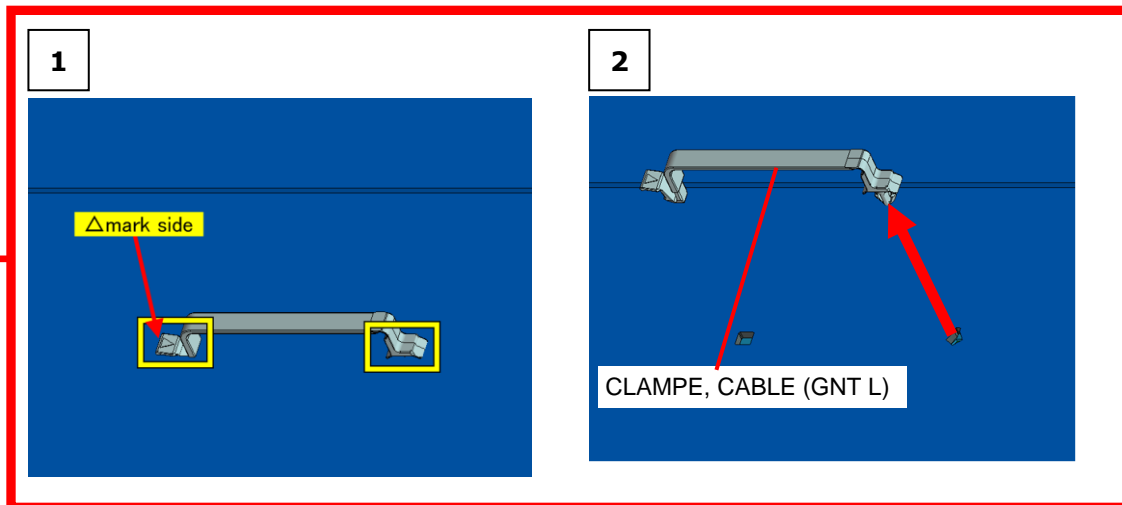
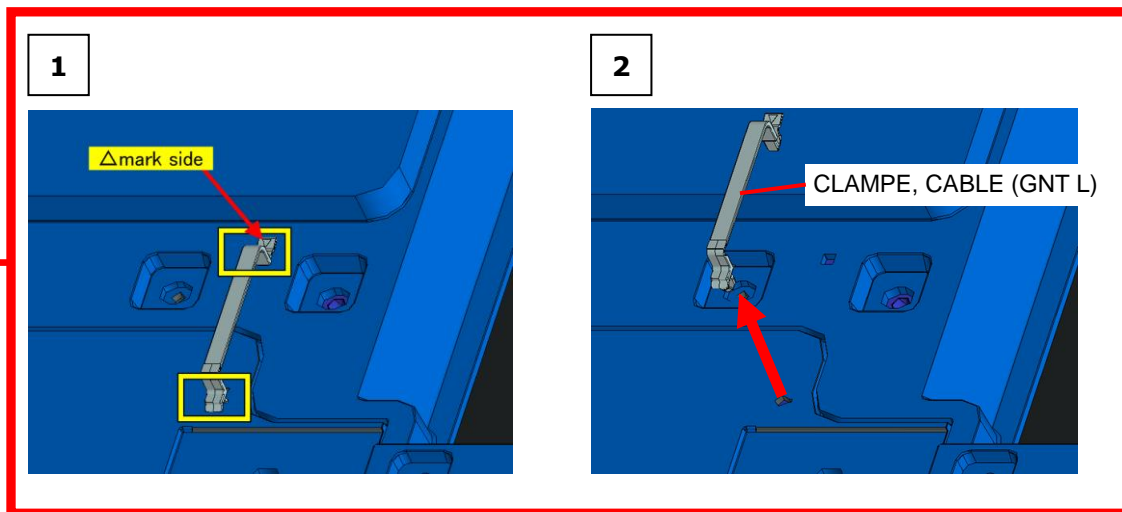
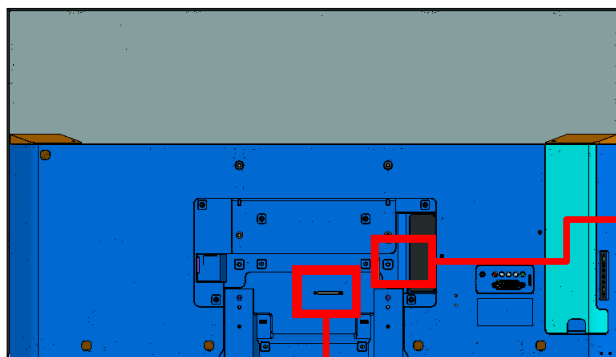
1. XBR-55X930D

1-2. LABEL, REAR TERMINAL (GNT) AND LABEL, DC IN (GNT)



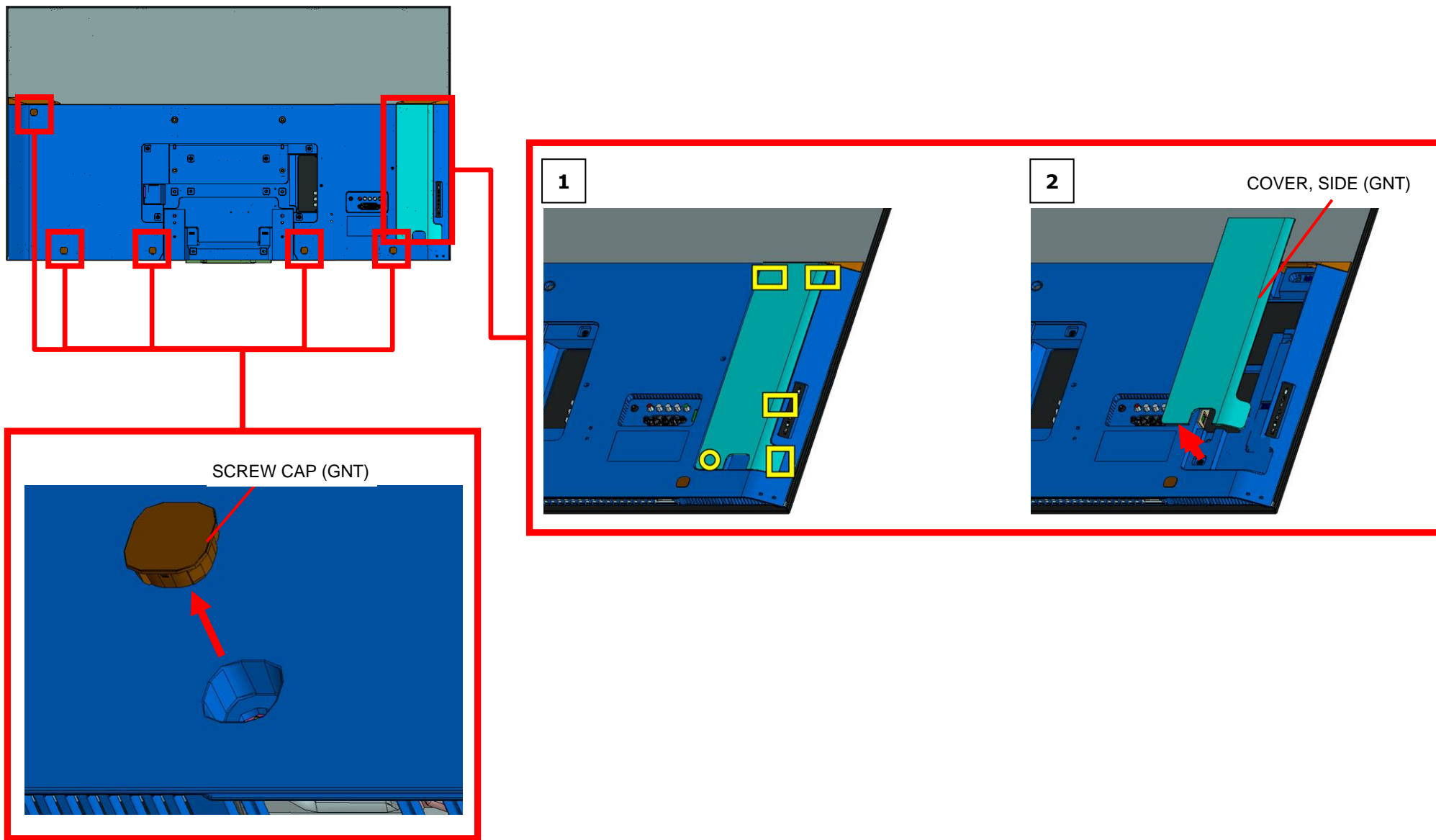
1. XBR-55X930D

1-3. CLAMPE, CABLE (GNT L)



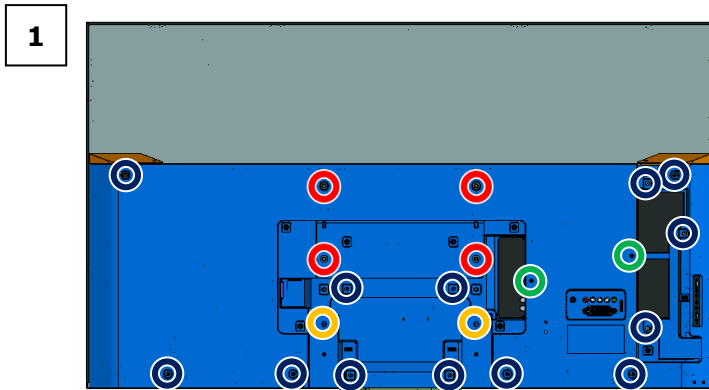
1. XBR-55X930D

1-4. COVER, SIDE (GNT) AND SCREW CAP (GNT)

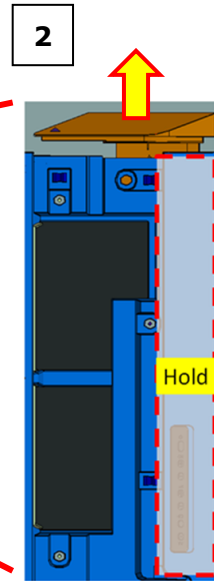


1. XBR-55X930D

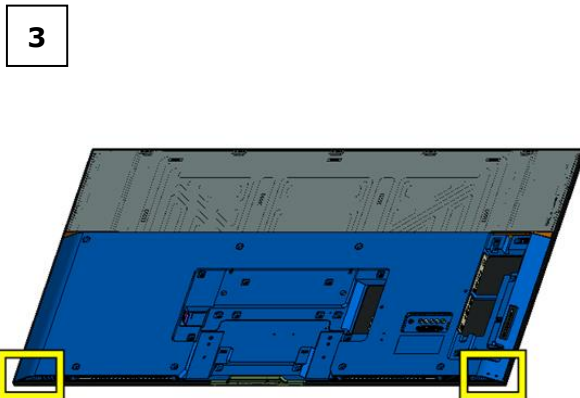
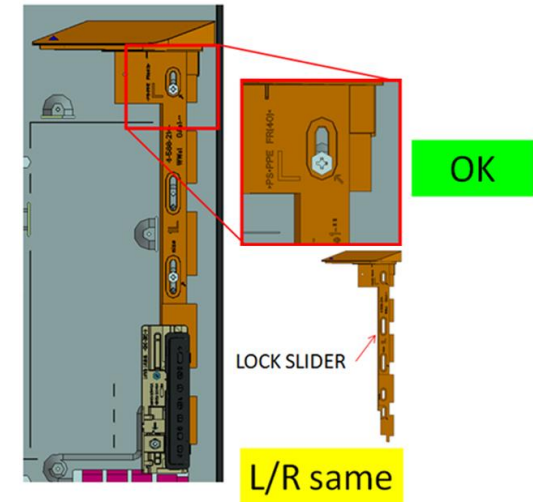
1-5. REAR COVER (L GNT) A



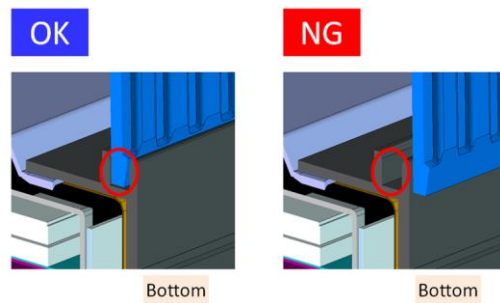
- 4 screws (SCREW, ORNAMENTAL M6X12) P/N: 4-268-126-02
- 2 screws (JOINT, SCREW) P/N: 4-400-043-11
- 2 screws (SCREW +BVTP 3X10 TYPE2 IT-3) P/N: 7-685-647-79
- 13 screws (SCREW , +PWH M3X6) P/N: 4-452-935-01



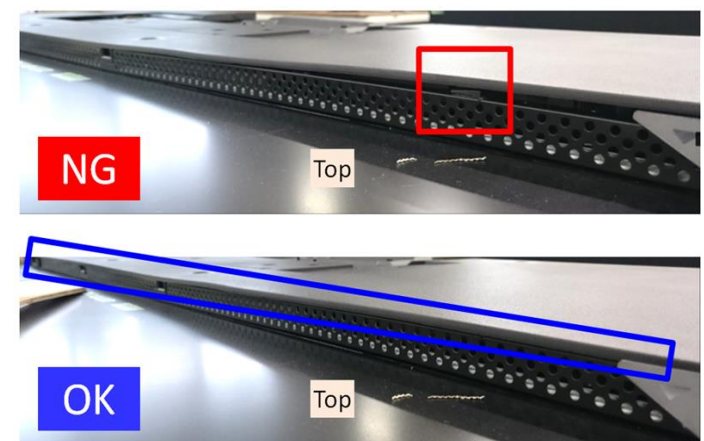
Note:
Before taking off Rear Cover, you have to slide BRACKET-SLIDE of both sides to the upside.
Please refer to Appendix-1.



Ensure R/C is installed to slit of panel.



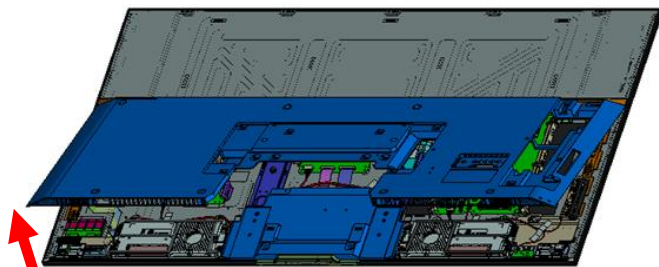
Confirm hook fixed properly and no floating the R/C.



1. XBR-55X930D

1-5. REAR COVER (L GNT) A

4

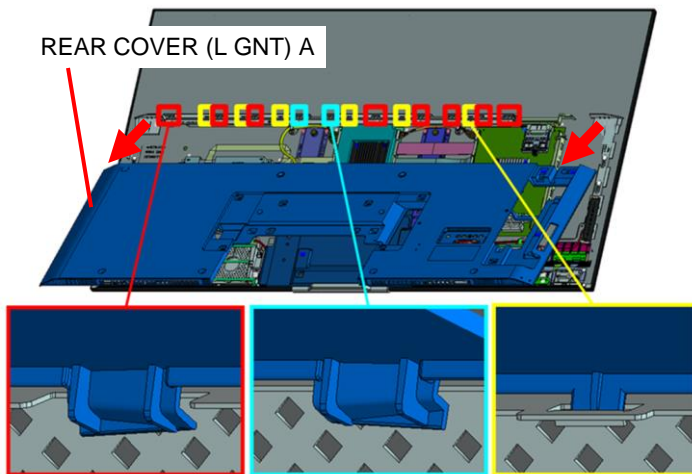


Install angle of REAR COVER.



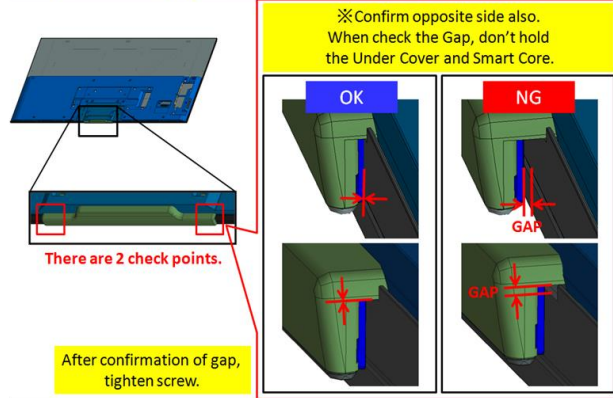
5

Don't hit R/C to BT ANTENNA.



Note: Check the hook has not broken after taking off Rear Cover.

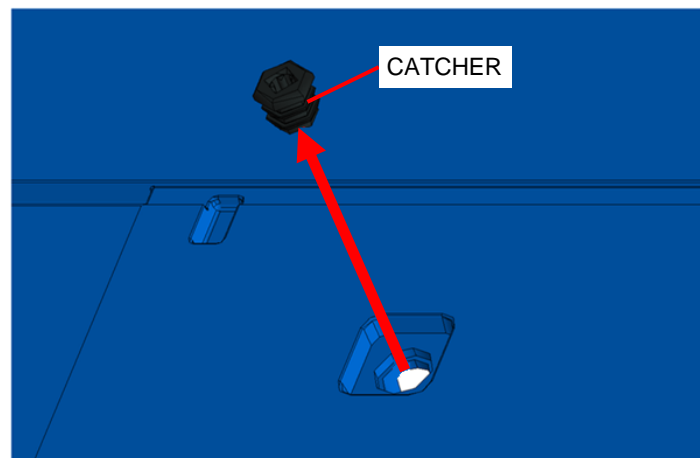
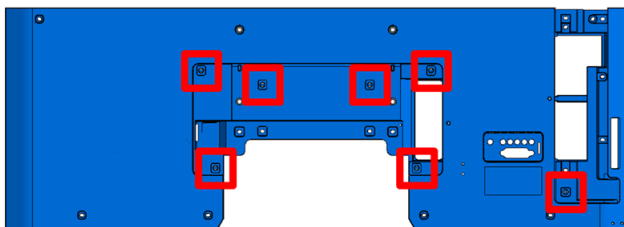
Confirm Smart Core is assembled properly after closing / before tightening screw of Under Cover.



Note for the location of the smart core when assembling the R/C.

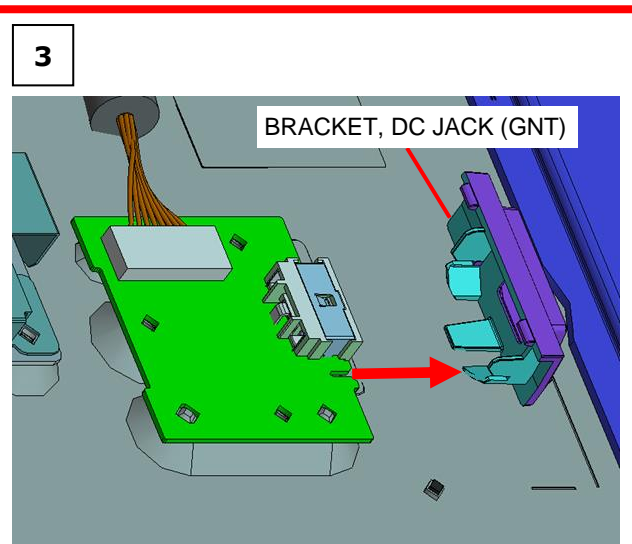
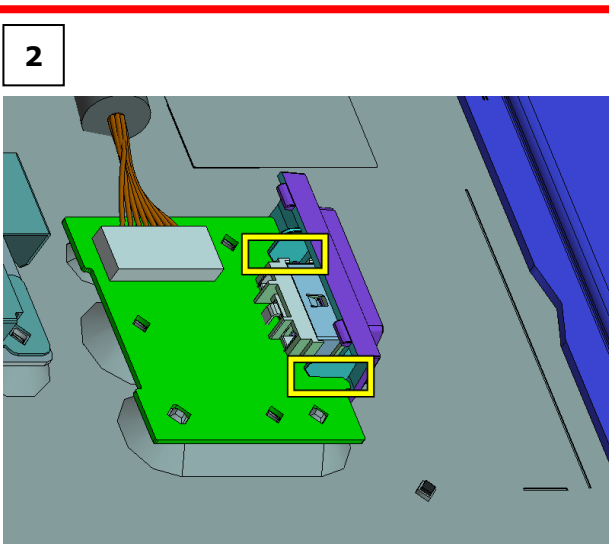
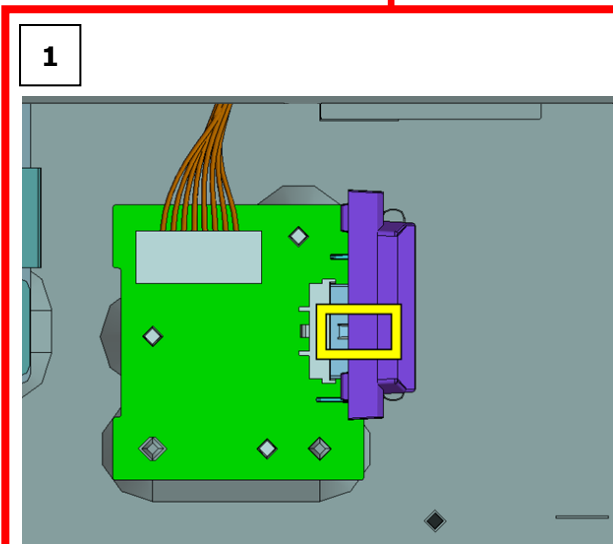
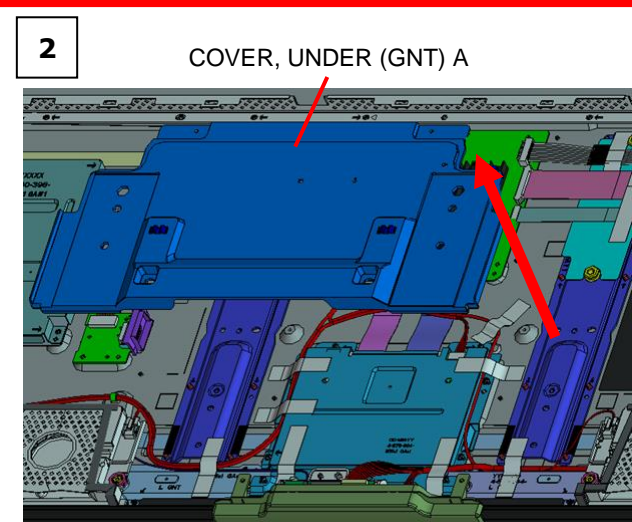
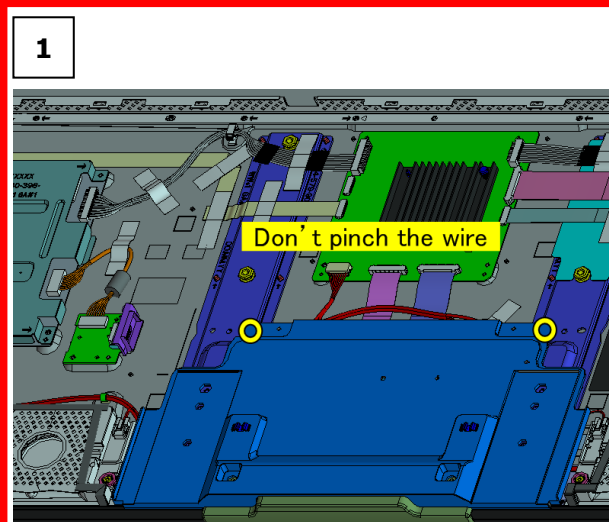
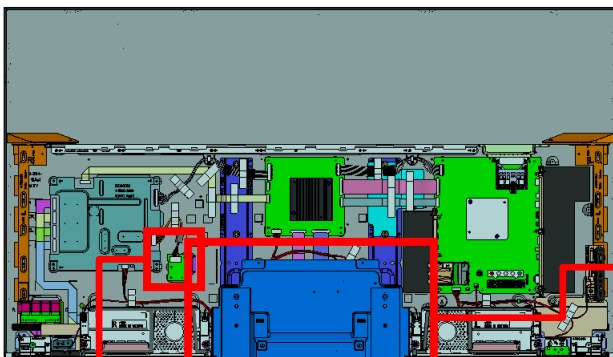
1. XBR-55X930D

1-6. CATCHER



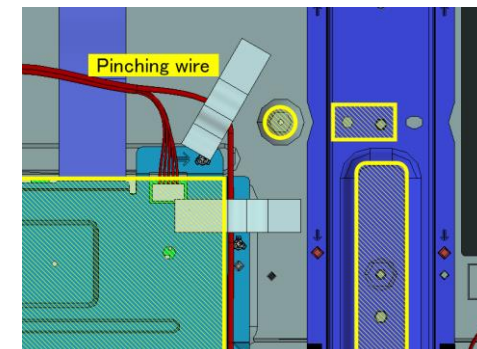
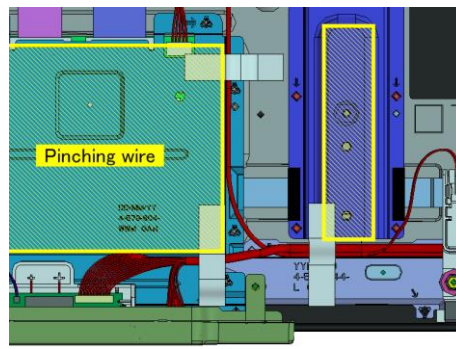
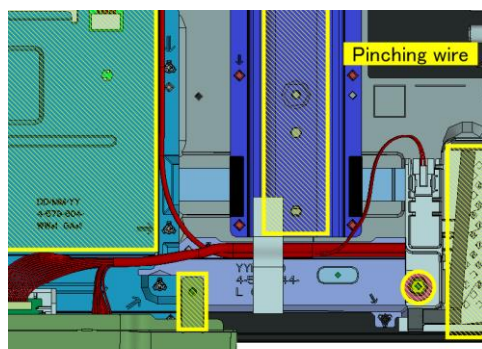
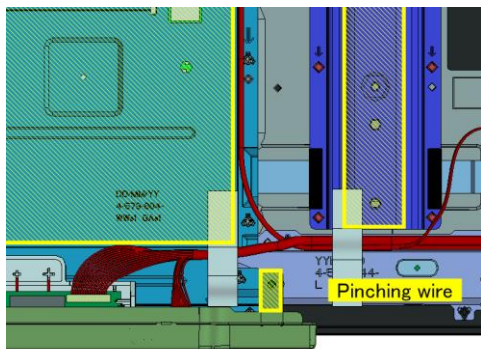
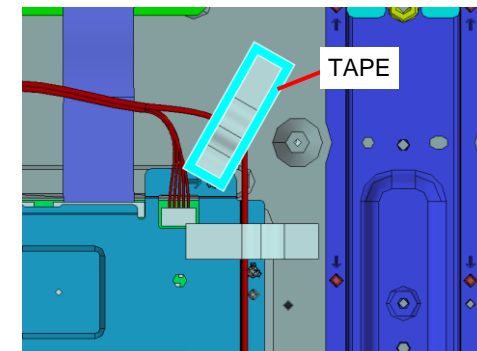
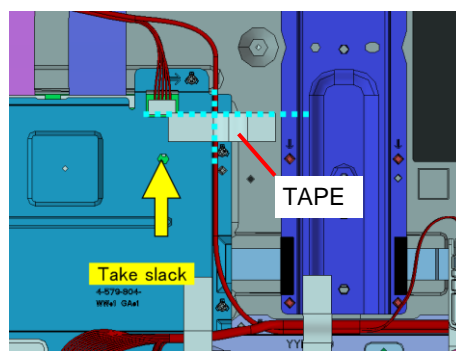
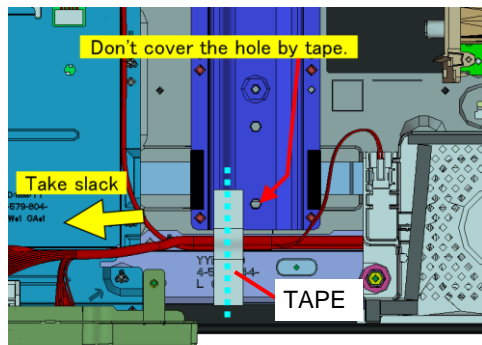
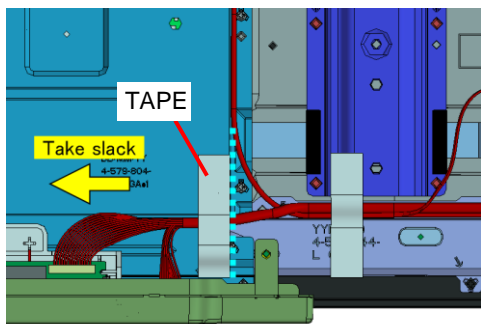
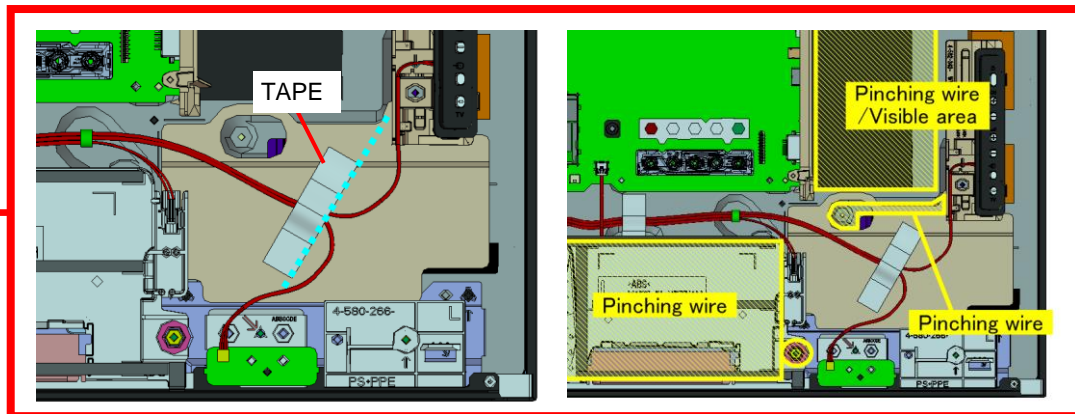
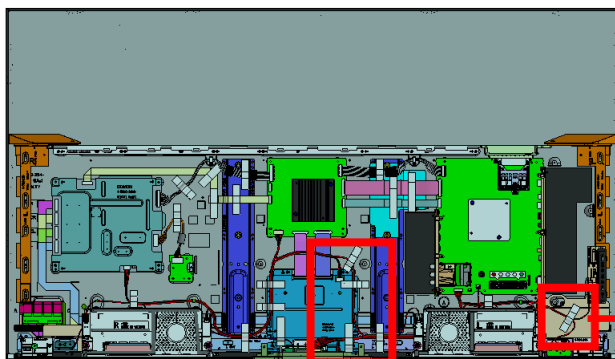
1. XBR-55X930D

1-7. COVER, UNDER (GNT) A AND BRACKET, DC JACK (GNT)



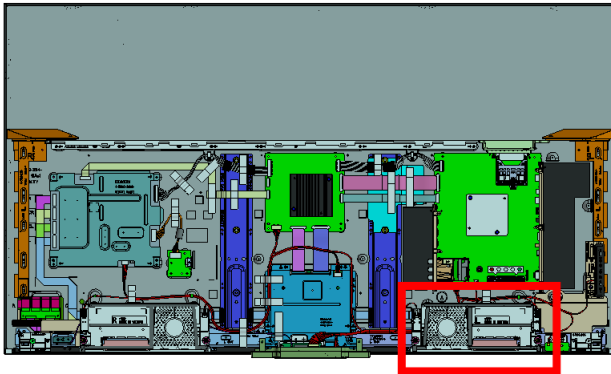
1. XBR-55X930D

1-8. TAPE

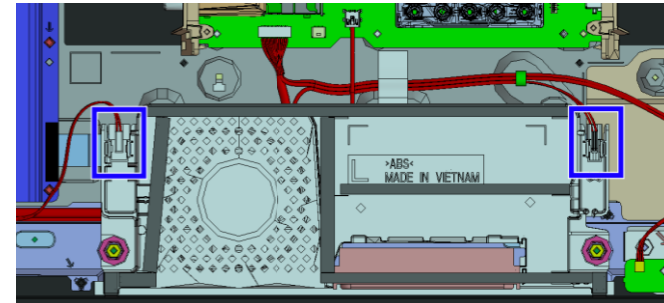


1. XBR-55X930D

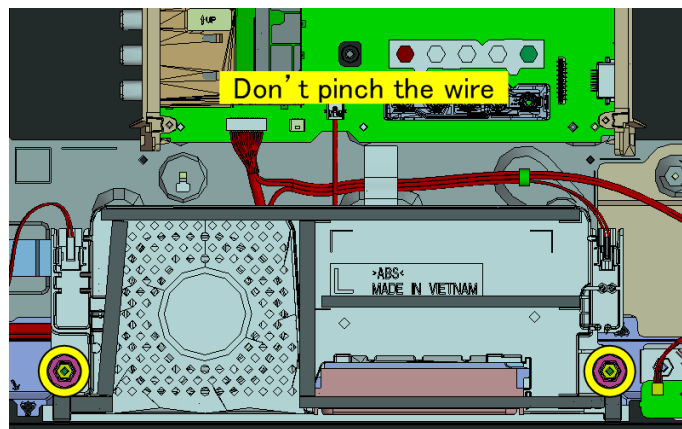
1-9. SP-BOX ASSY (W12-L CH-ND)



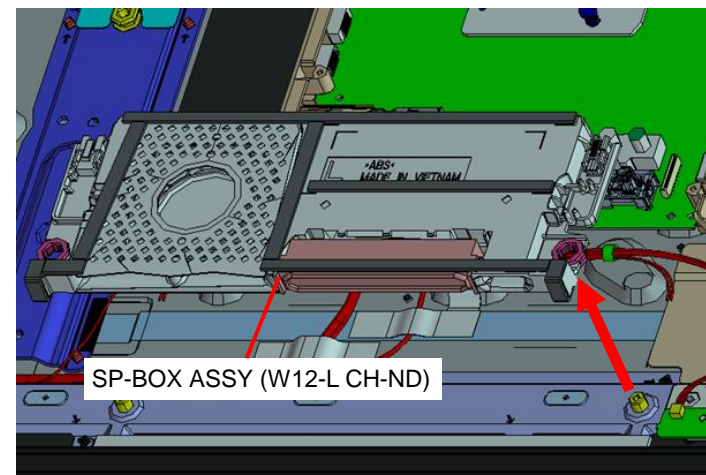
1



2

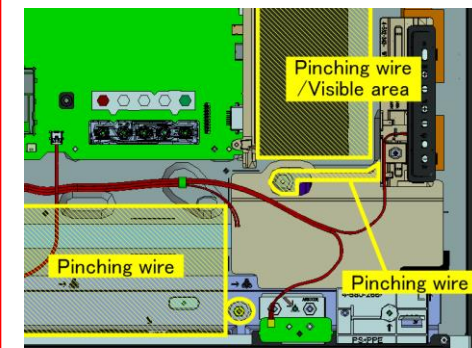
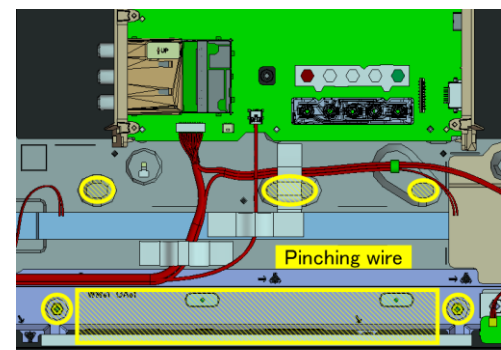
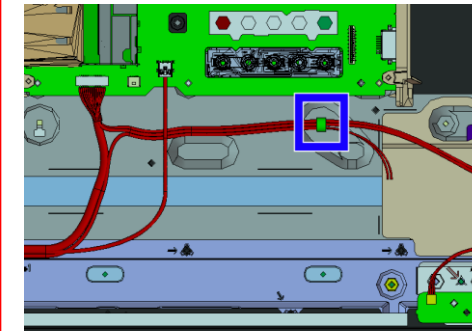
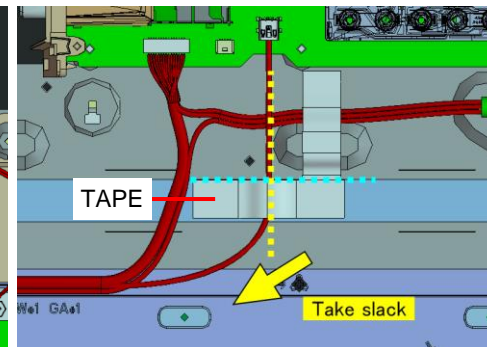
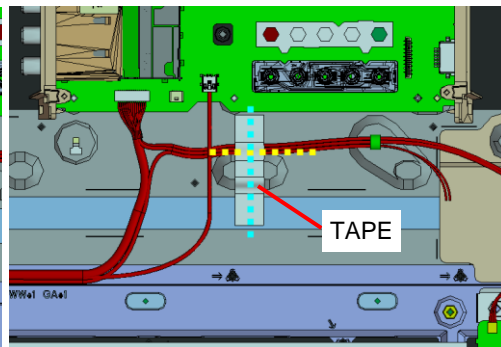
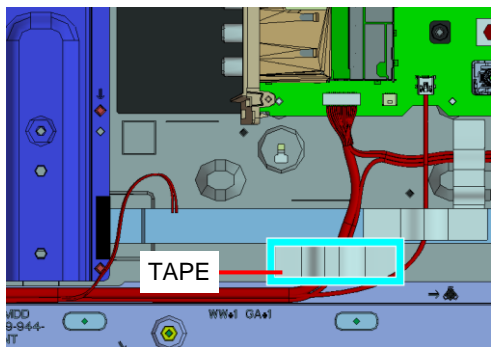
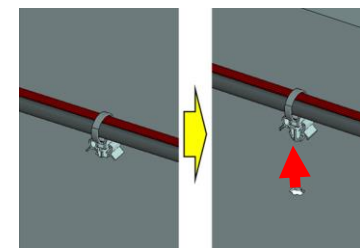
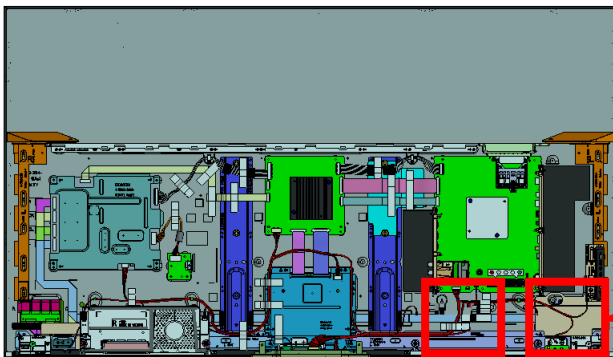


3



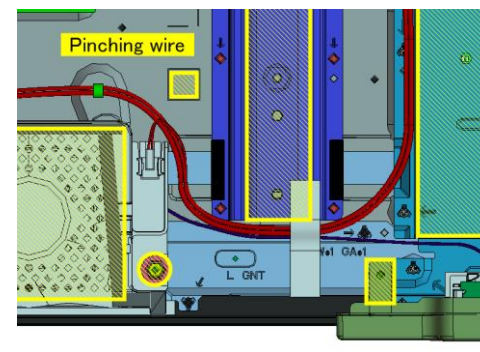
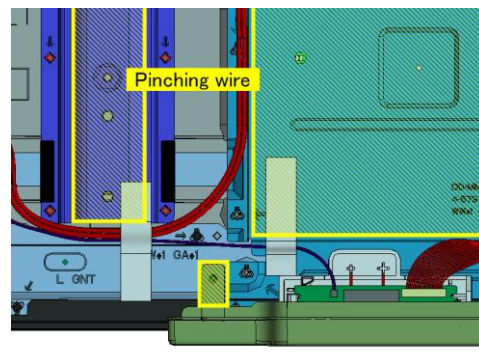
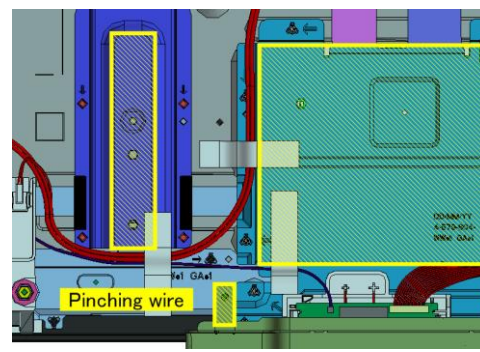
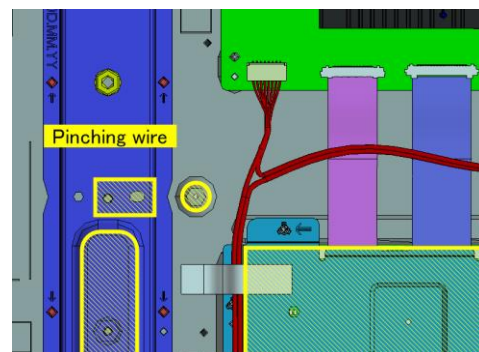
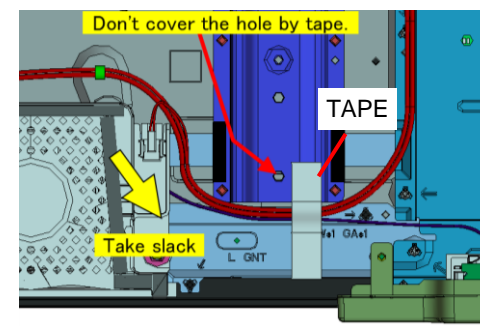
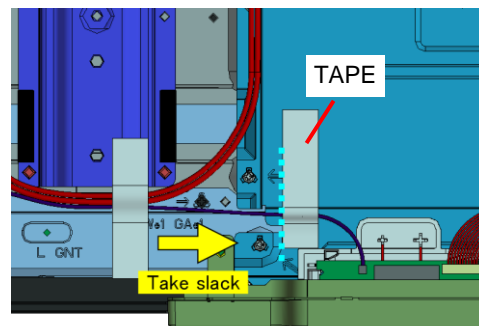
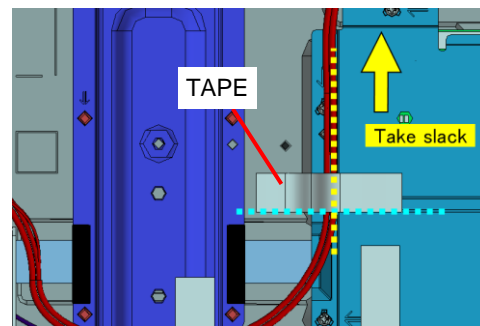
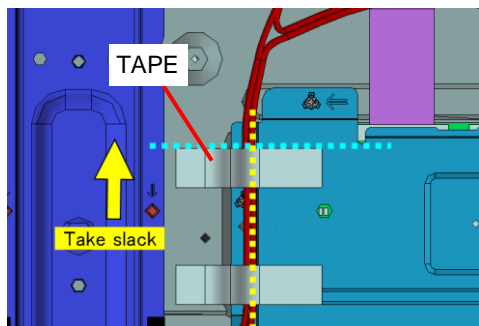
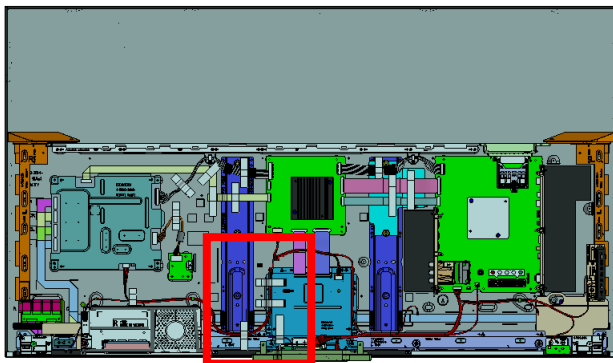
1. XBR-55X930D

1-10. TAPE AND WIRE DRESSING



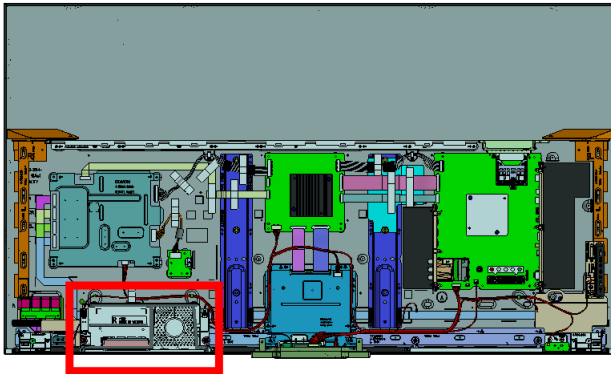
1. XBR-55X930D

1-11. TAPE

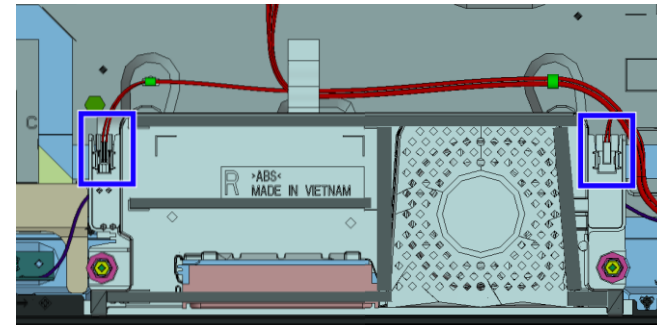


1. XBR-55X930D

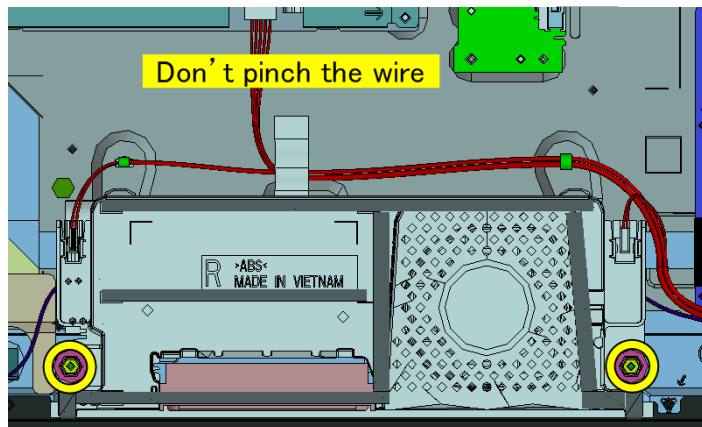
1-12. SP-BOX ASSY (W12-R CH-ND)



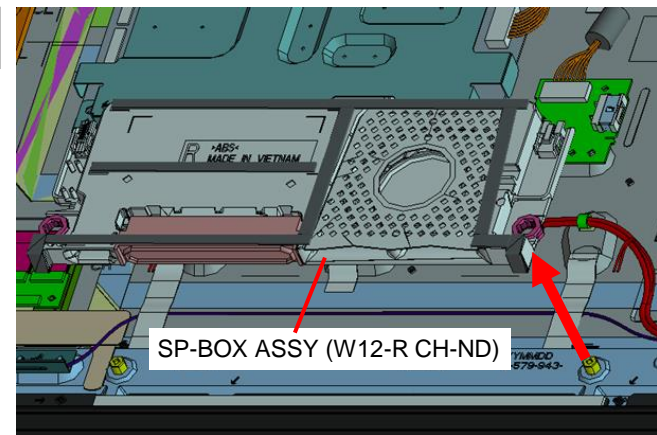
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2

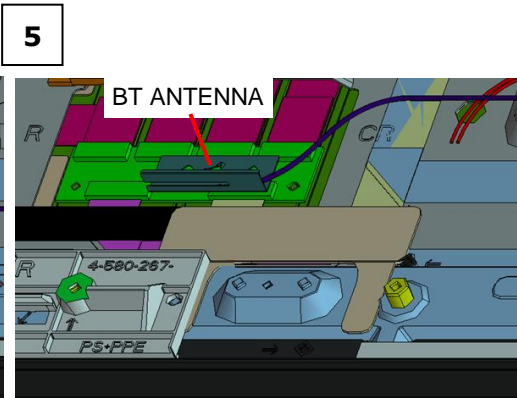
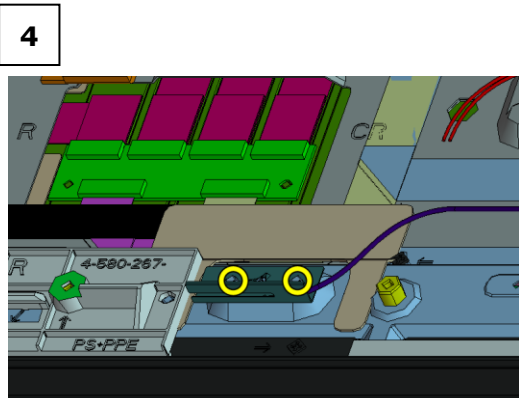
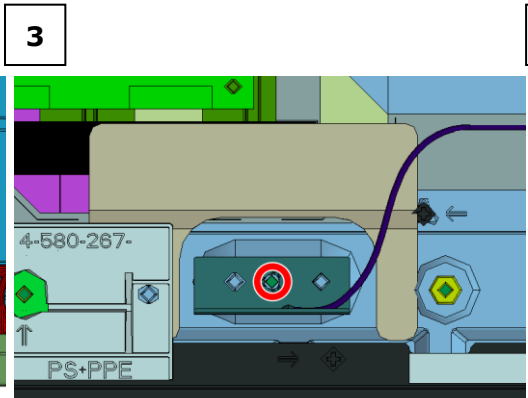
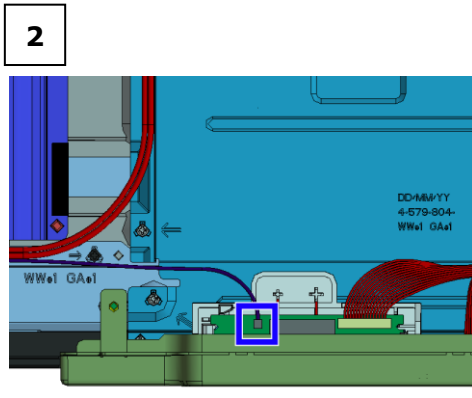
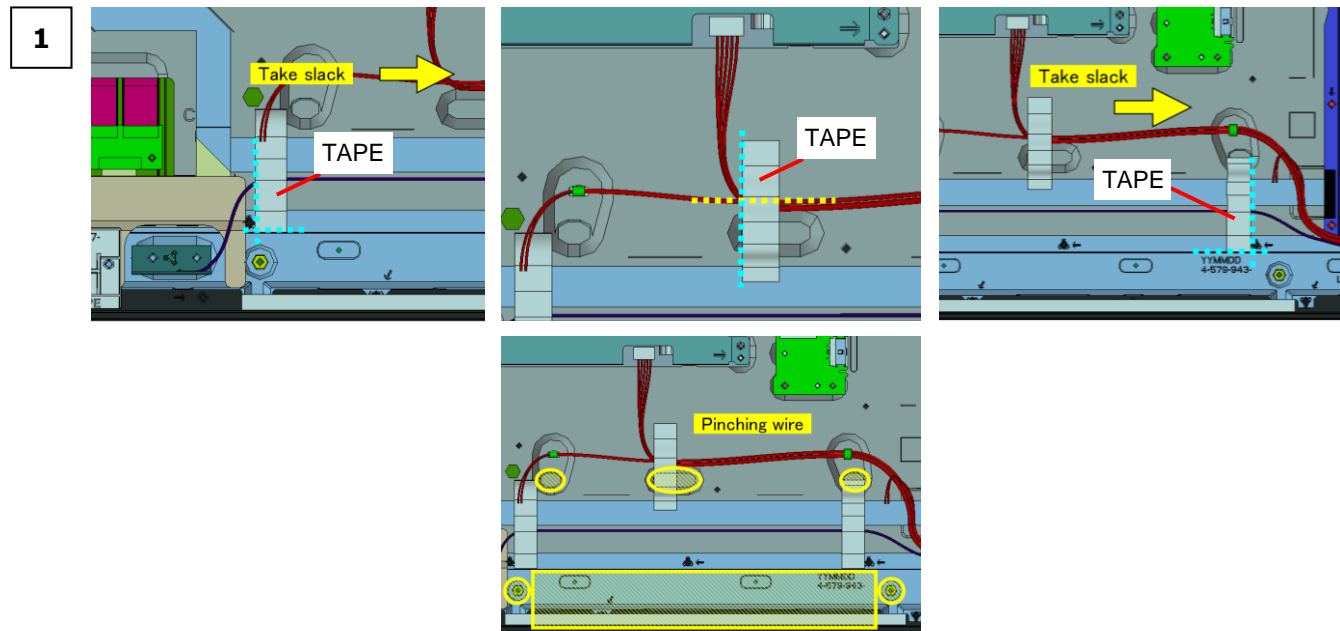
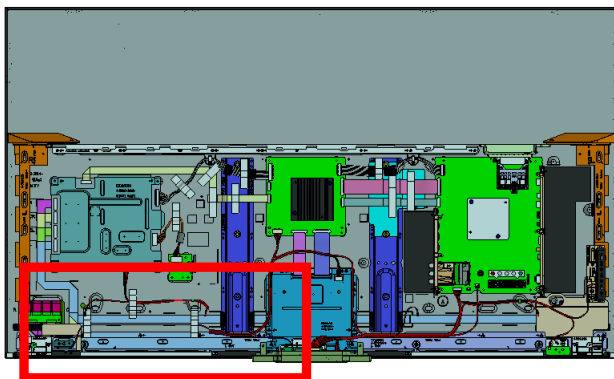


3



1. XBR-55X930D

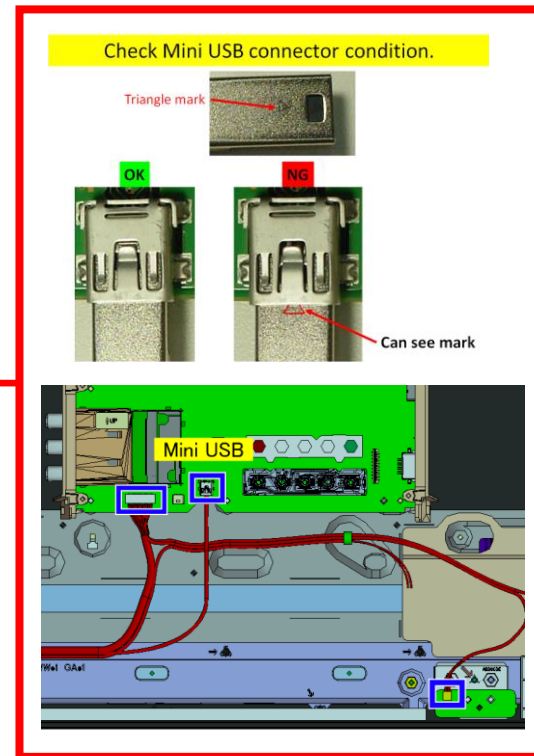
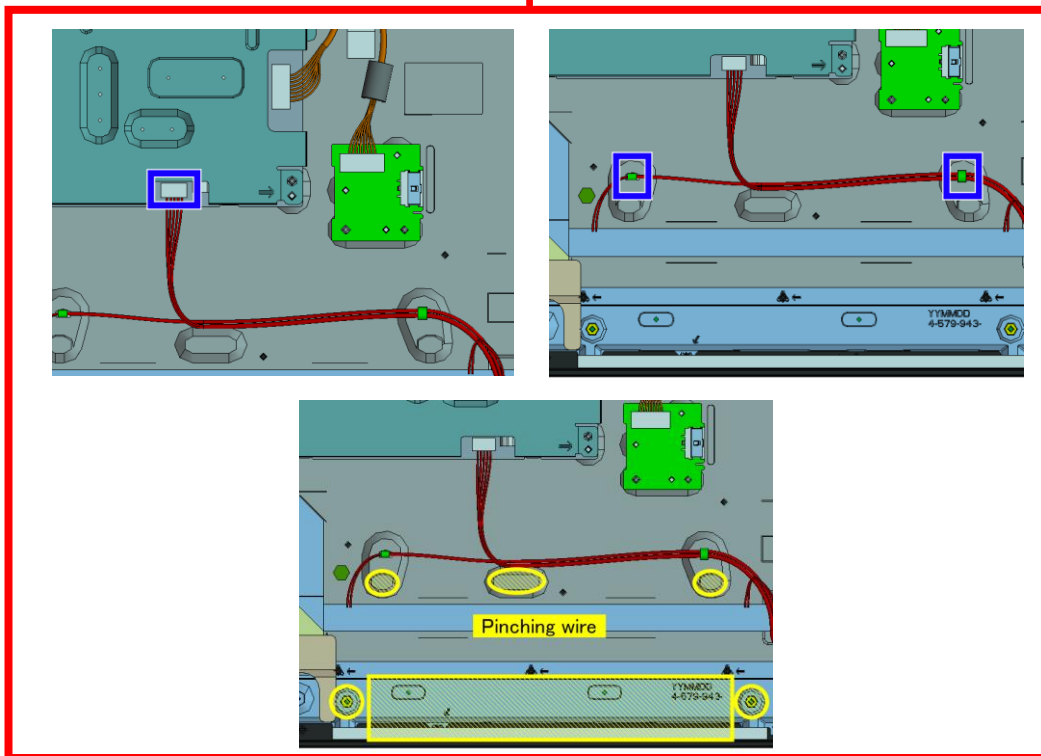
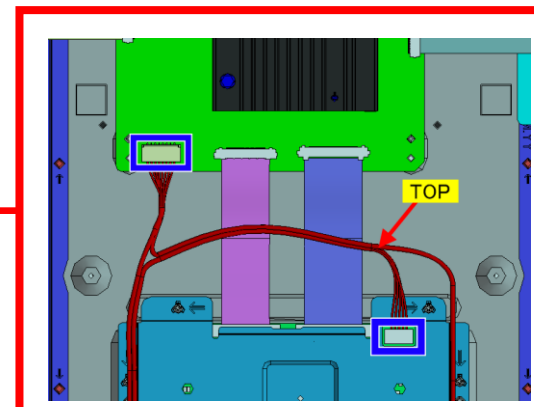
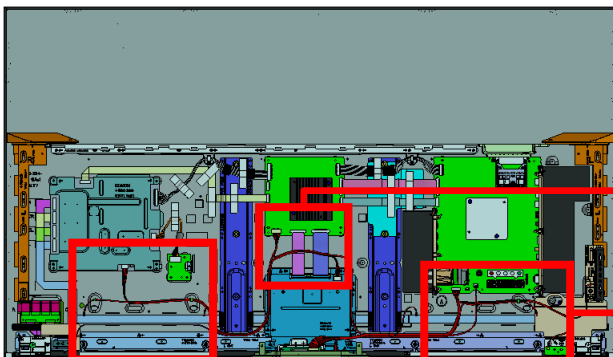
1-13. TAPE AND BT ANTENNA



○ Screw (SCREW, +PSW M3X6) P/N: 4-472-518-11

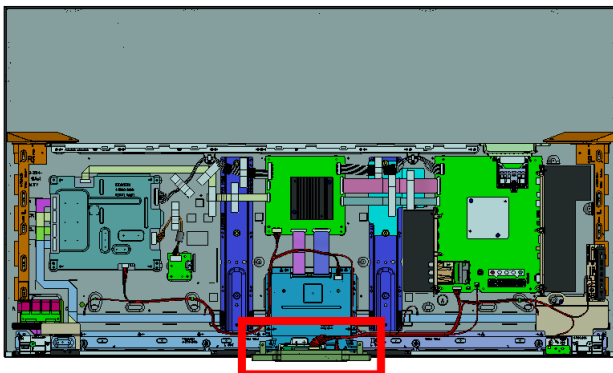
1. XBR-55X930D

1-14. WIRE DRESSING



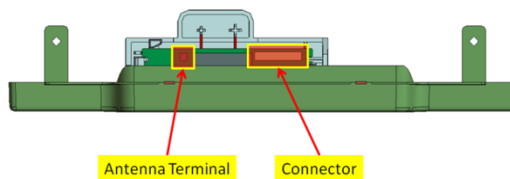
1. XBR-55X930D

1-15. SMART CORE (S)

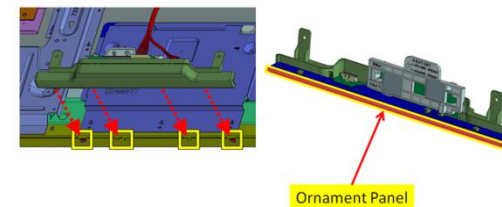


NOTE:

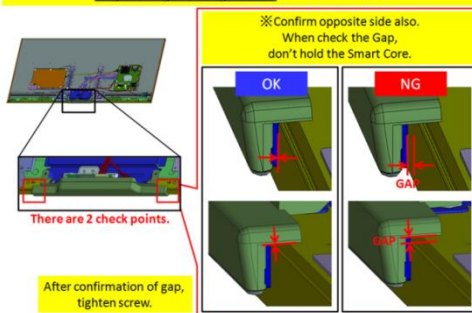
Don't touch these components while installing.



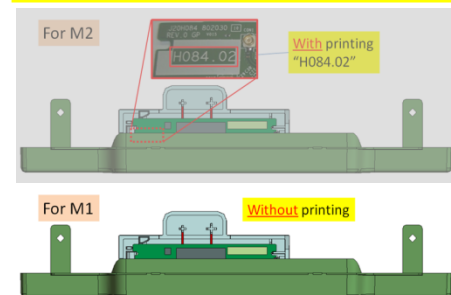
Don't scratch Ornament panel with Bezel while installing.



Confirm Smart Core is assembled properly before tightening screw of Smart Core.

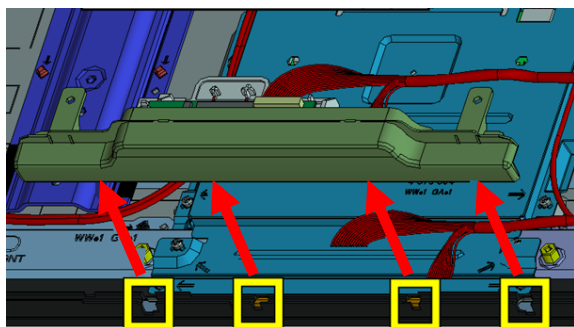


How to distinguish SC for M1 and M2

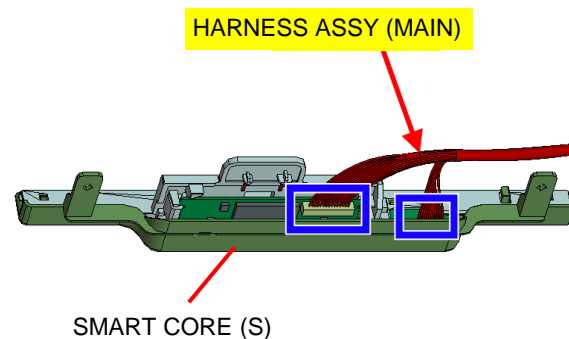


For This Model

1

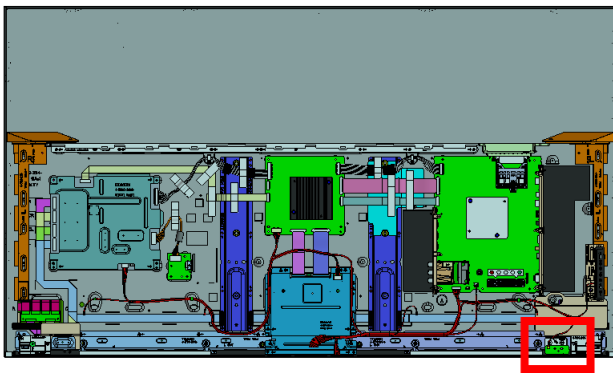


2

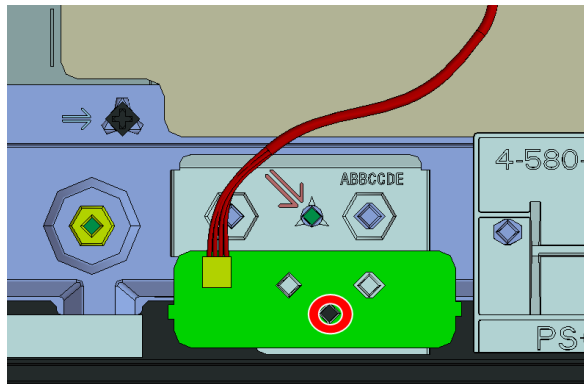


1. XBR-55X930D

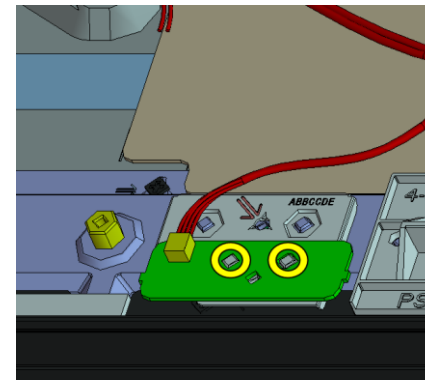
1-16. TSI AND BRACKET, TS



1

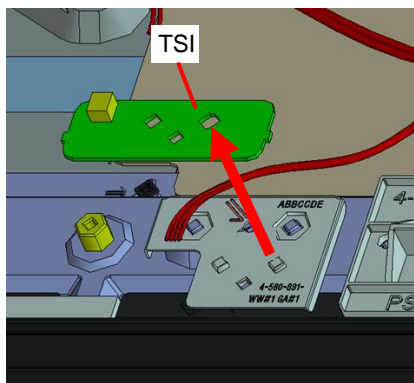


2

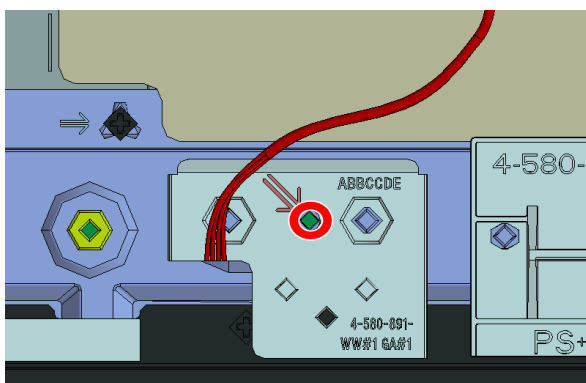


○ Screw (SCREW, +PSW M3X6) P/N: 4-472-518-11

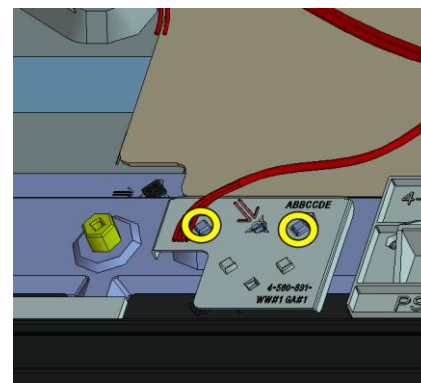
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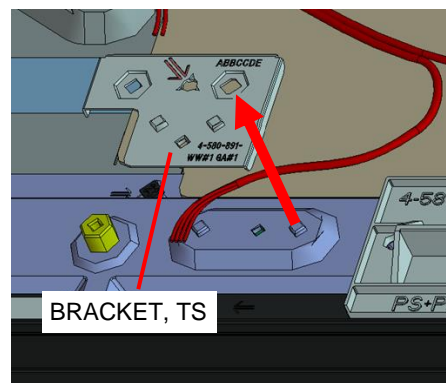
4



5



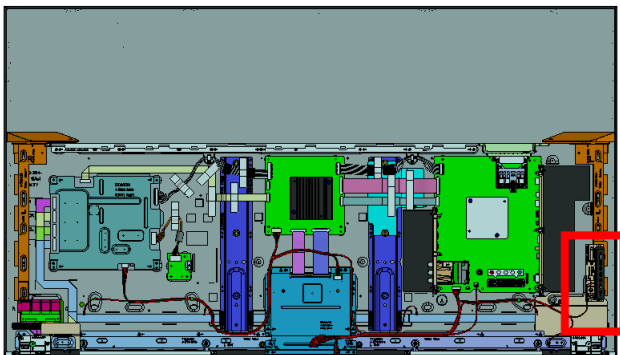
6



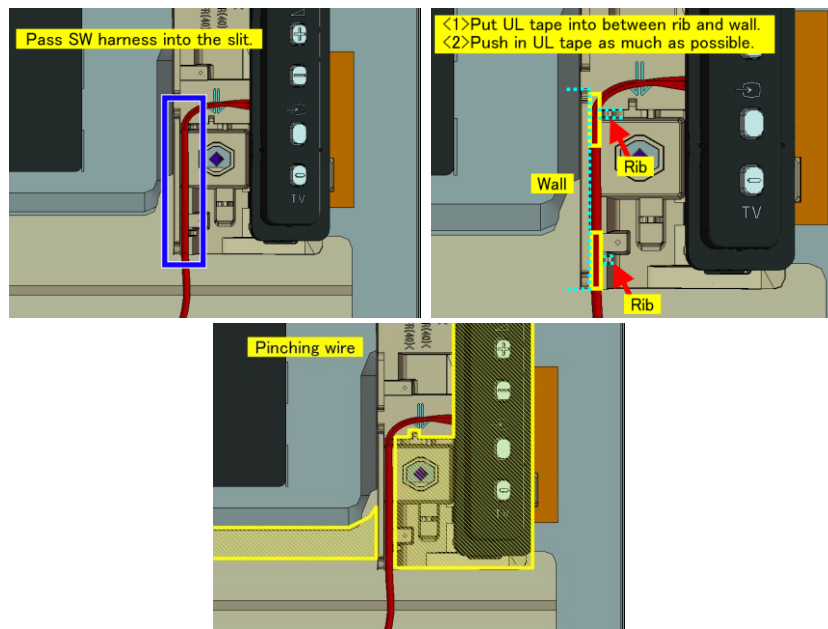
○ Screw (SCREW, +PSW M3X6) P/N: 4-472-518-11

1. XBR-55X930D

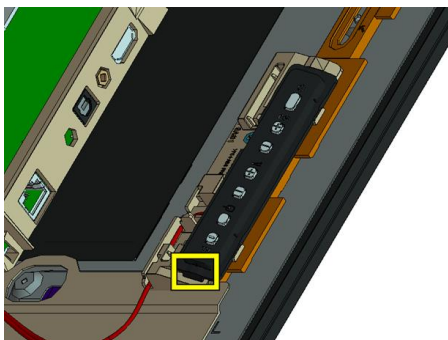
1-17. SWITCH UNIT



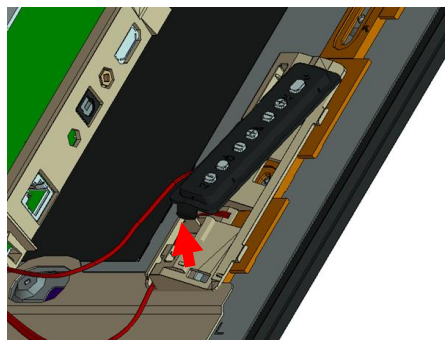
1



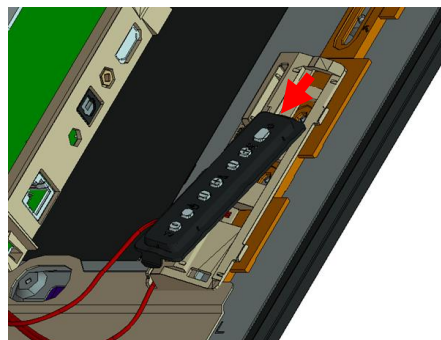
2



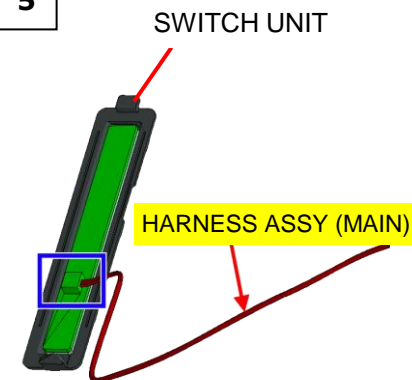
3



4

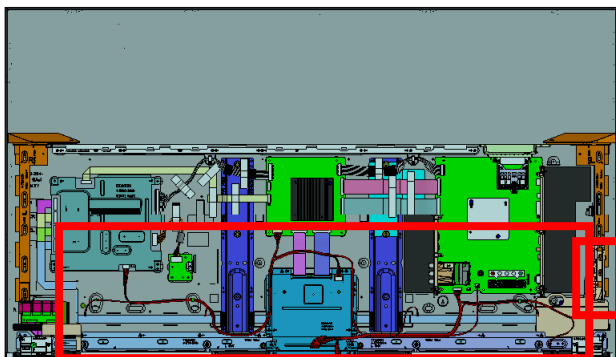


5

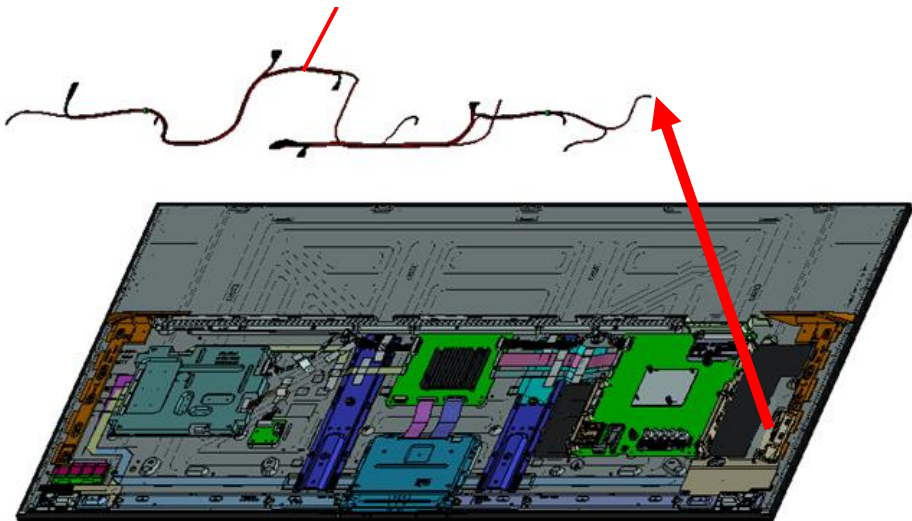


1. XBR-55X930D

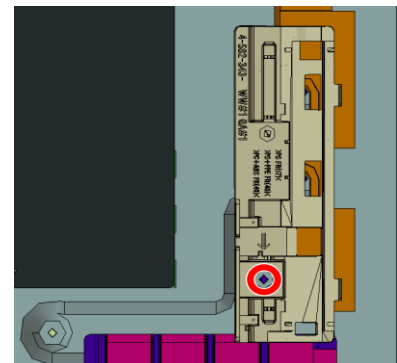
1-18. HARNESS ASSY (MAIN) AND HOLDER SIDE SW (GNT L M1)



HARNESS ASSY (MAIN)
P/N: 1-910-111-07

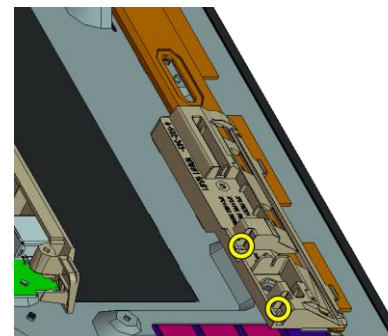


1

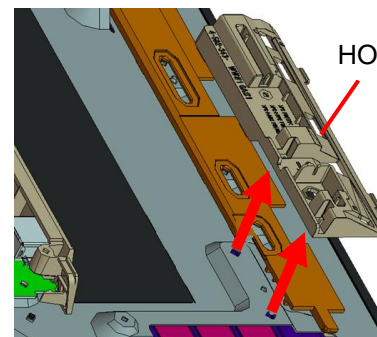


○ Screw (SCREW, +LH M3X2.1 STEP (GNT)) P/N: 4-586-665-01

2



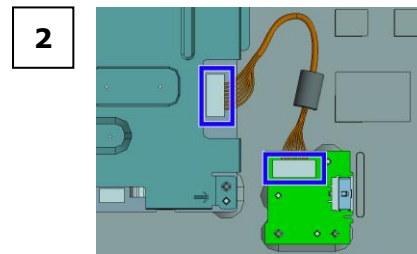
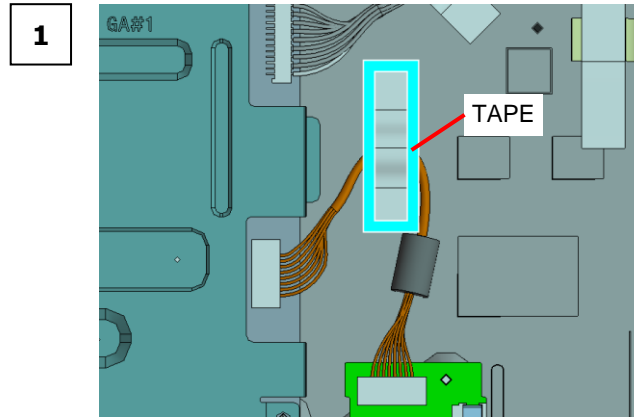
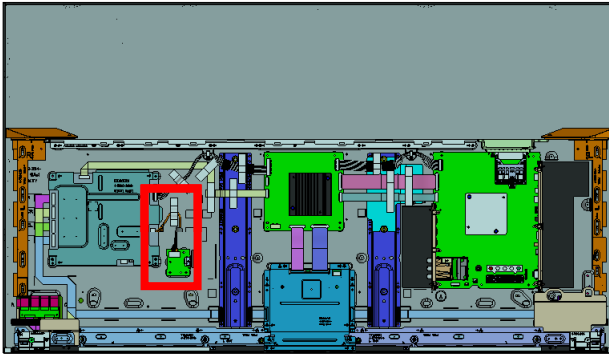
3



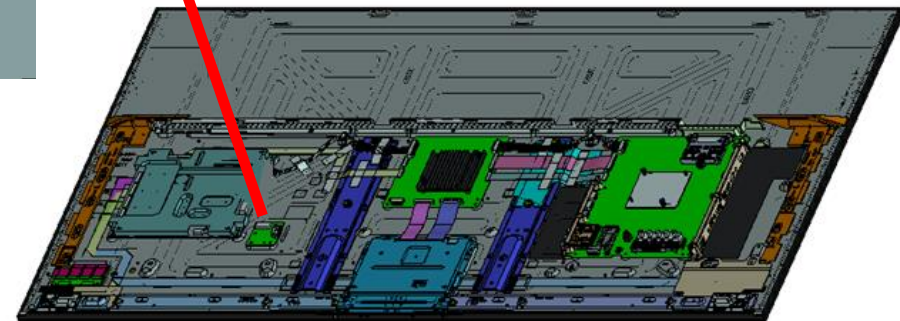
HOLDER SIDE SW (GNT L M1)

1. XBR-55X930D

1-19. TAPE AND CONNECTOR ASSY 10P

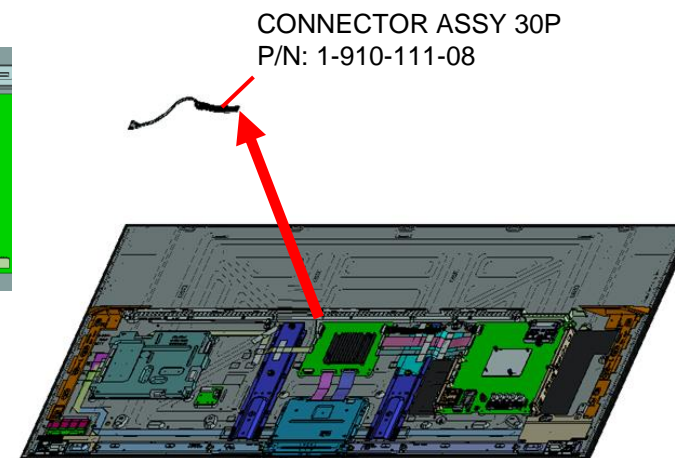
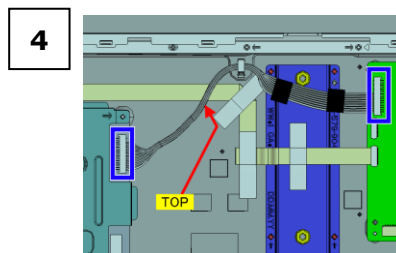
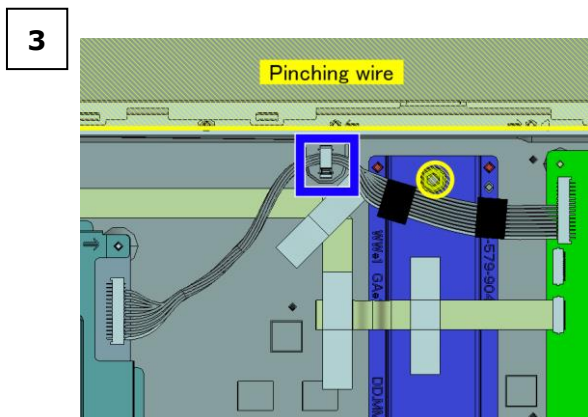
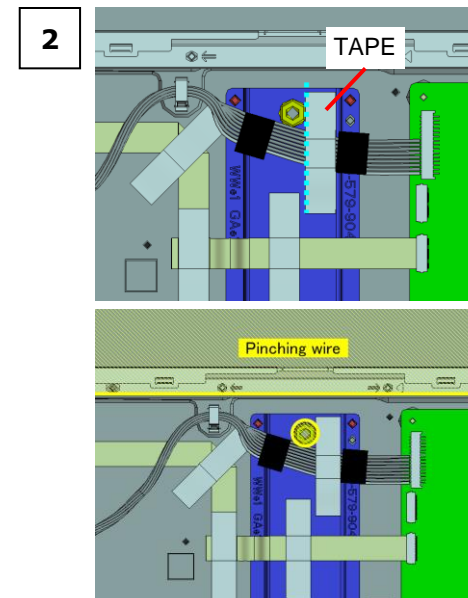
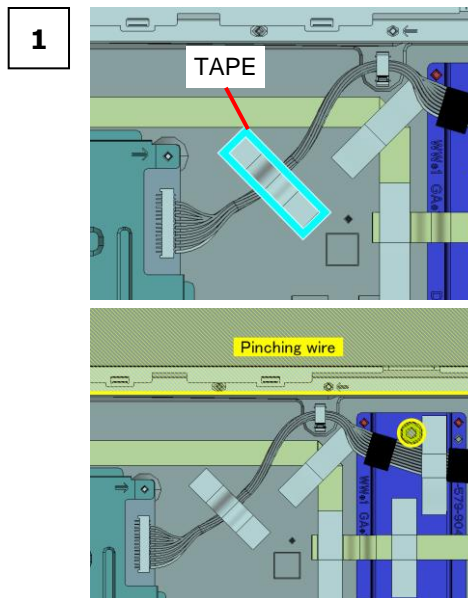
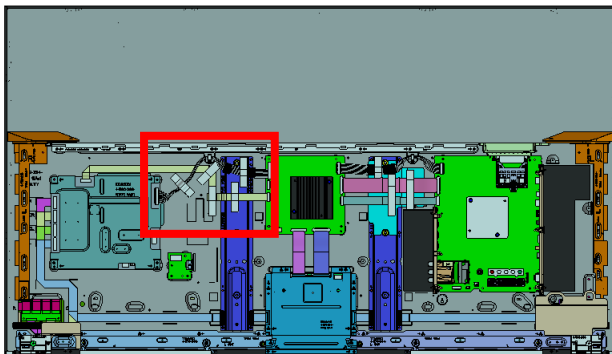


CONNECTOR ASSY 10P
P/N: 1-910-111-21



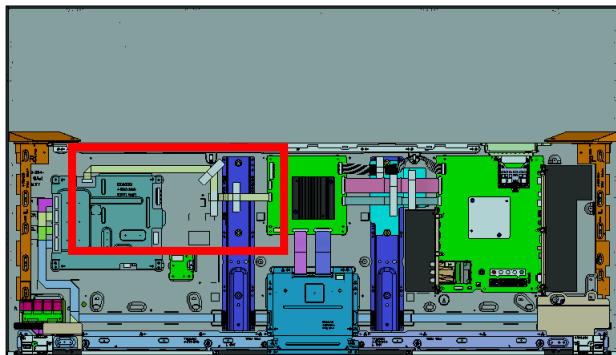
1. XBR-55X930D

1-20. TAPE AND CONNECTOR ASSY 30P

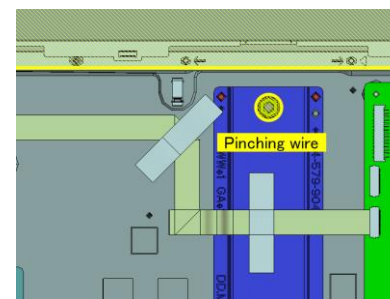
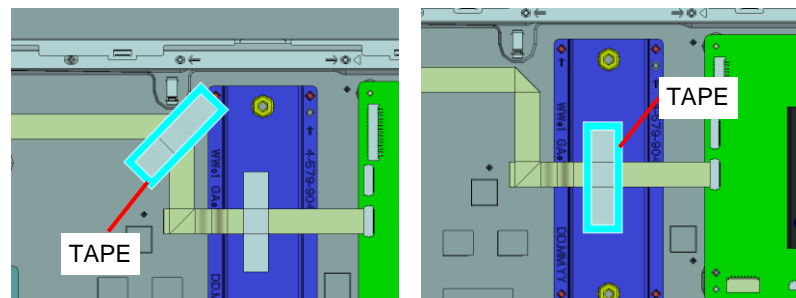


1. XBR-55X930D

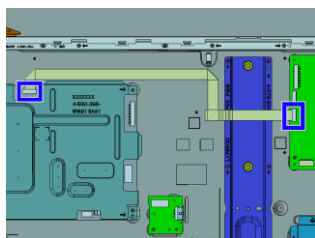
1-21. TAPE AND FLEXIBLE FLAT CABLE 30P



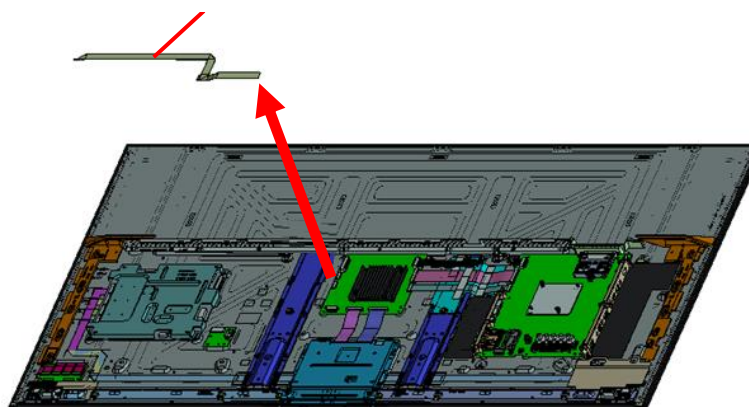
1



2

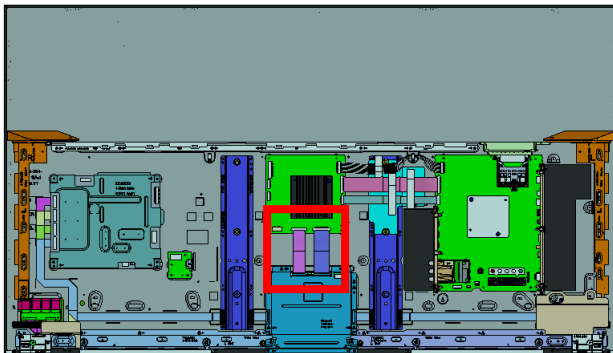


FLEXIBLE FLAT CABLE 30P
P/N: 1-910-111-05

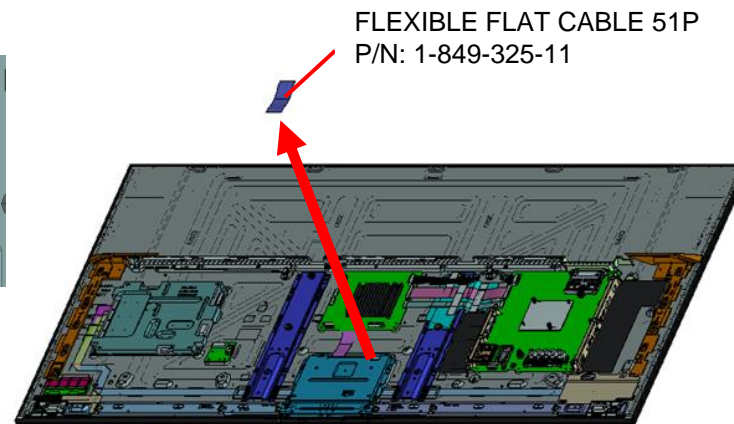
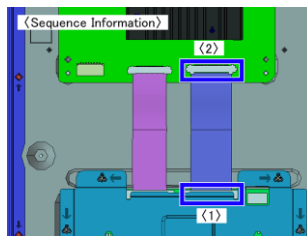


1. XBR-55X930D

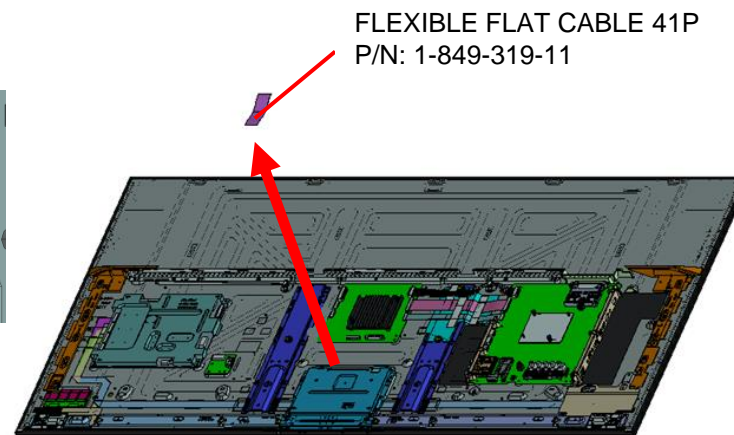
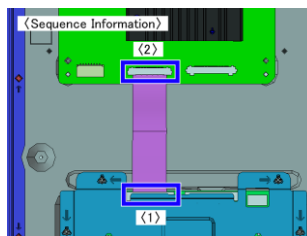
1-22. FLEXIBLE FLAT CABLE 51P AND FLEXIBLE FLAT CABLE 41P



1

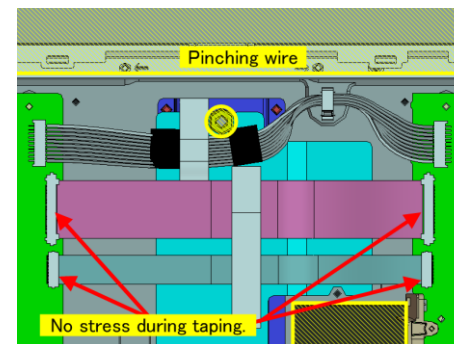
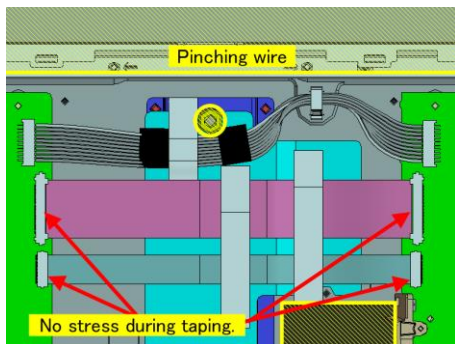
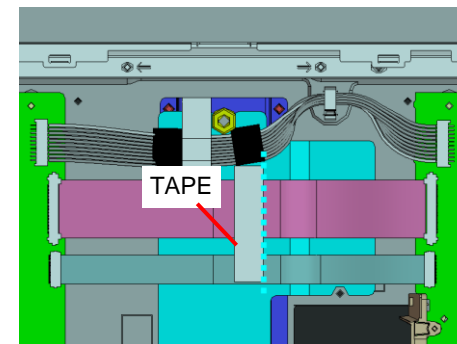
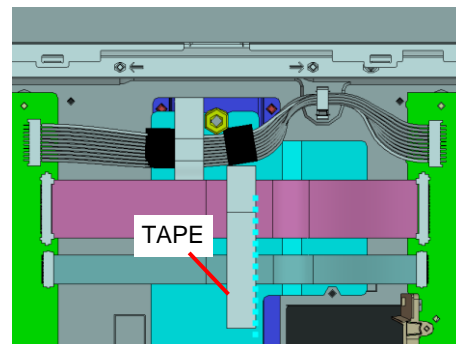
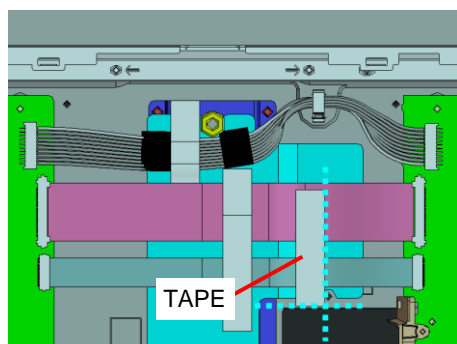
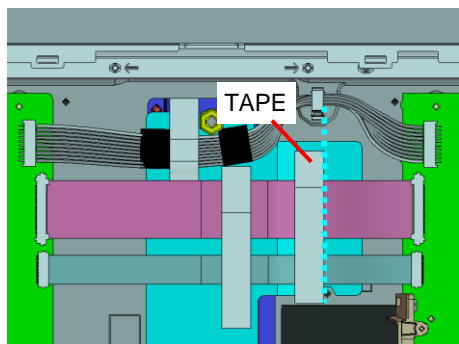
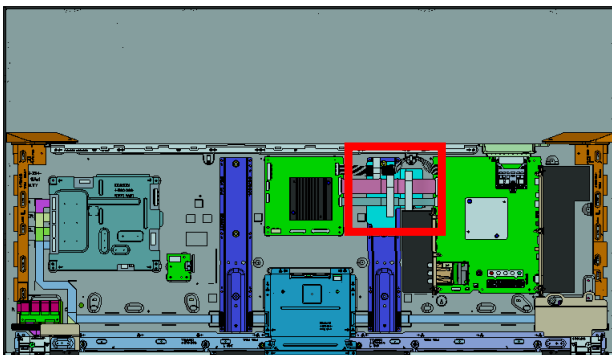


2



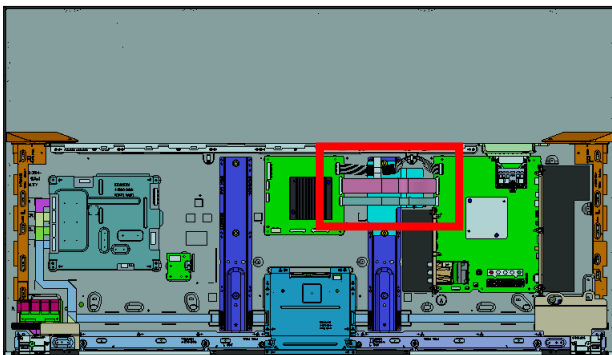
1. XBR-55X930D

1-23. TAPE

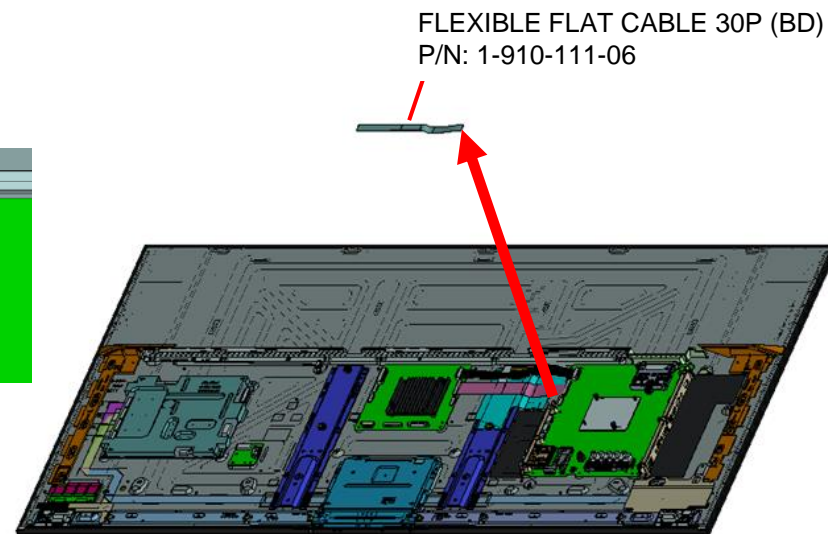
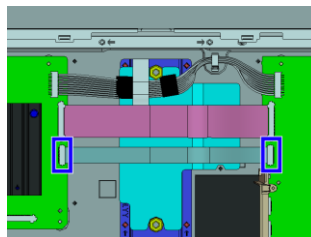


1. XBR-55X930D

1-24. FLEXIBLE FLAT CABLE 30P(BD) AND FLEXIBLE FLAT CABLE 51P

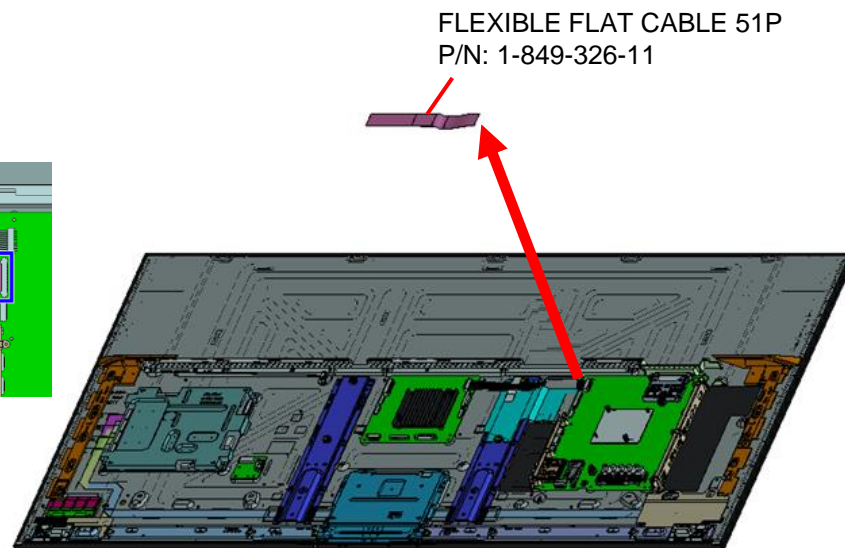
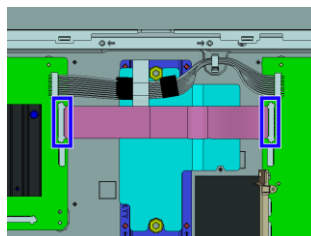


1



FLEXIBLE FLAT CABLE 30P (BD)
P/N: 1-910-111-06

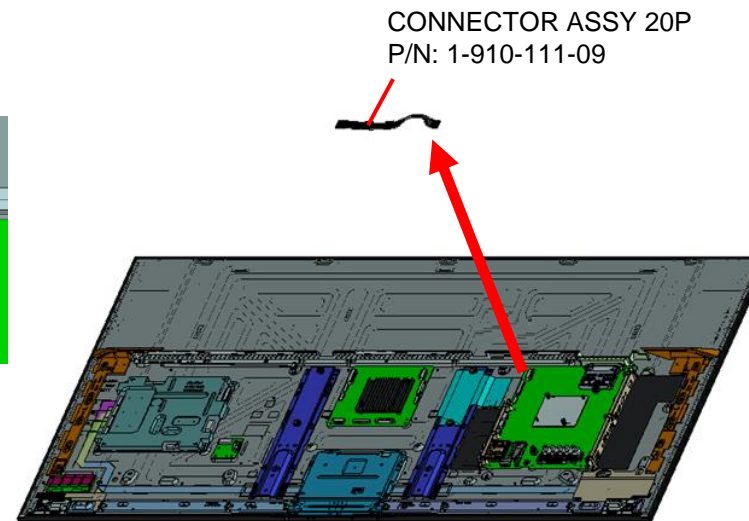
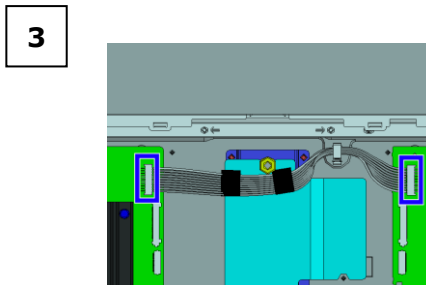
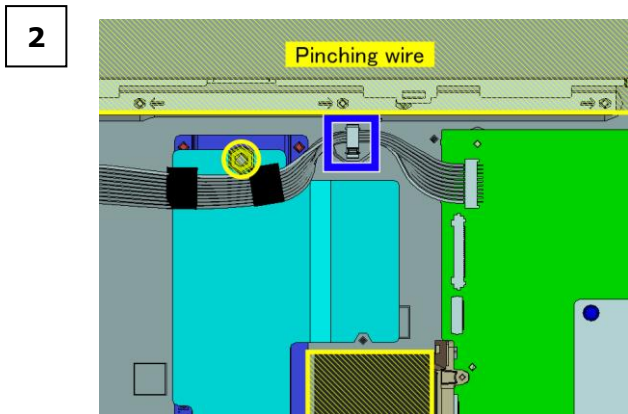
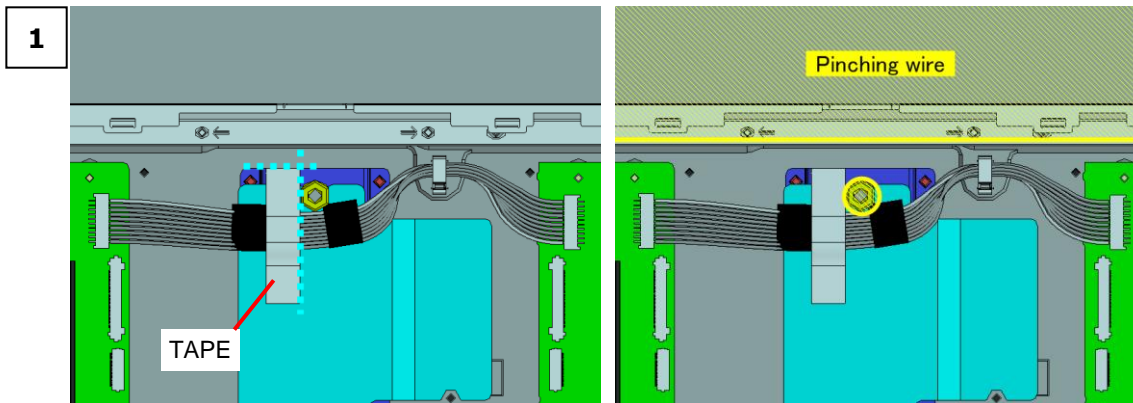
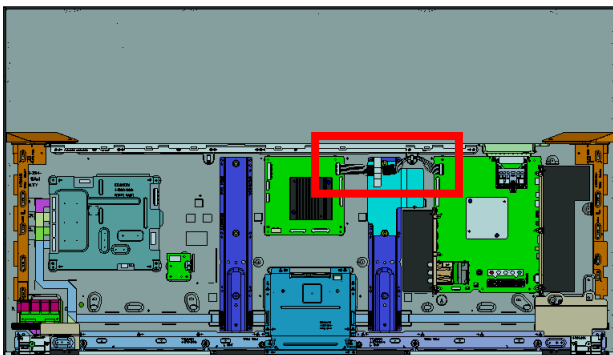
2



FLEXIBLE FLAT CABLE 51P
P/N: 1-849-326-11

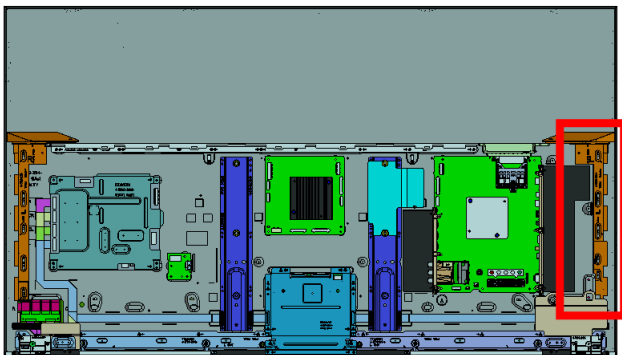
1. XBR-55X930D

1-25. TAPE AND CONNECTOR ASSY 20P

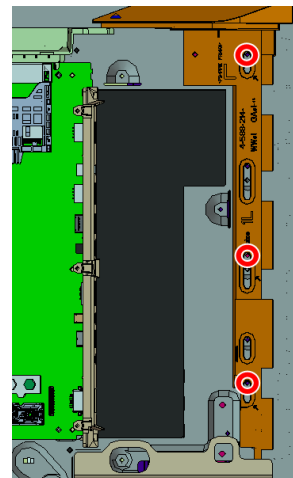


1. XBR-55X930D

1-26. BRACKET, SLIDE (L) (L GNT)

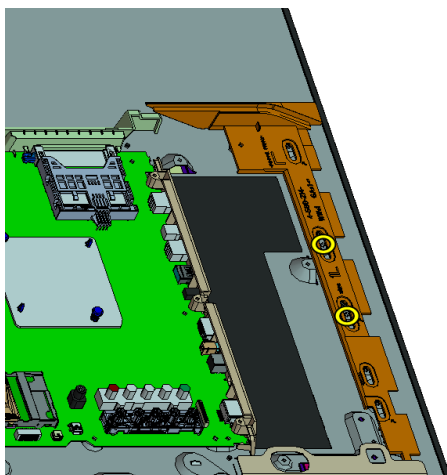


1

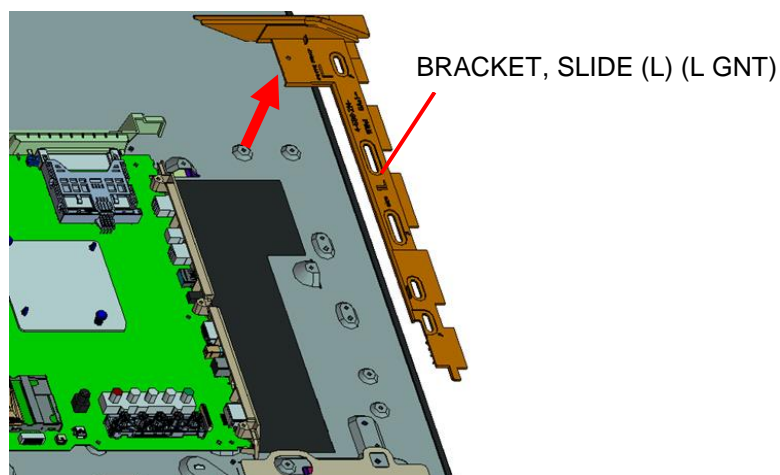


3 screws (SCREW, +LH M3X2.1 STEP (GNT)) P/N: 4-586-665-01

2

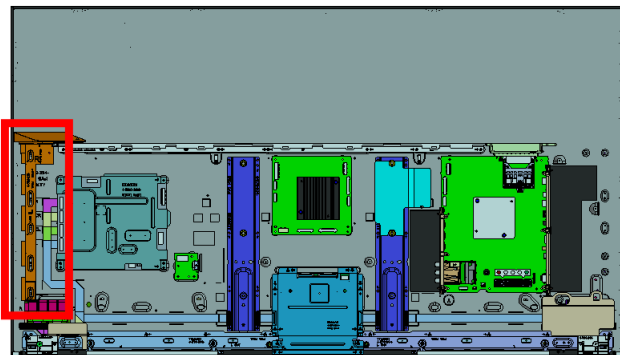


3

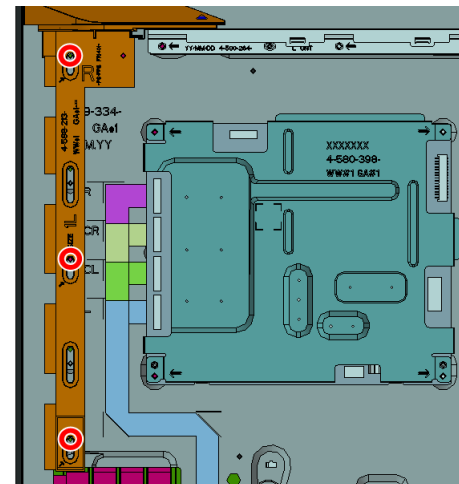


1. XBR-55X930D

1-27. BRACKET, SLIDE (R) (L GNT)

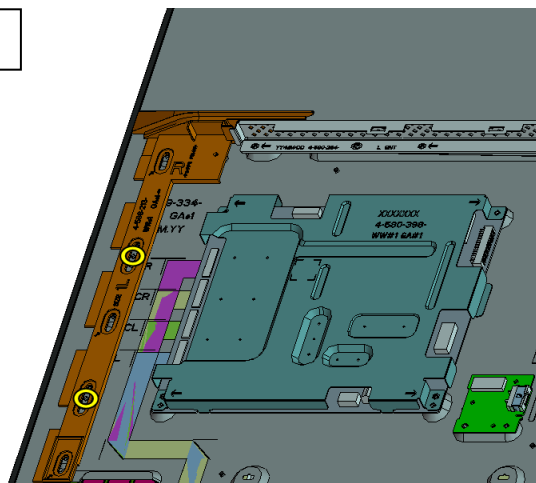


1

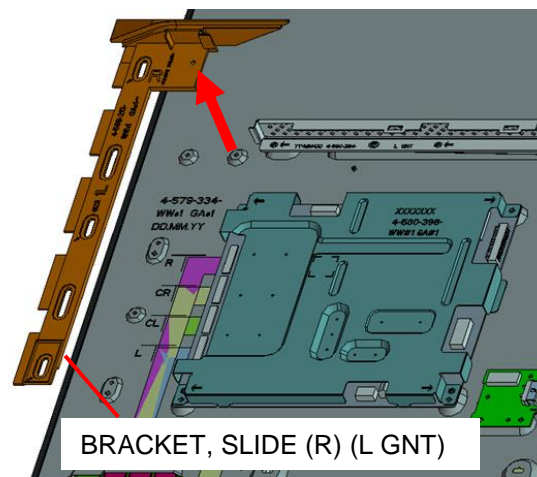


3 screws (SCREW, +LH M3X2.1 STEP (GNT)) P/N: 4-586-665-01

2

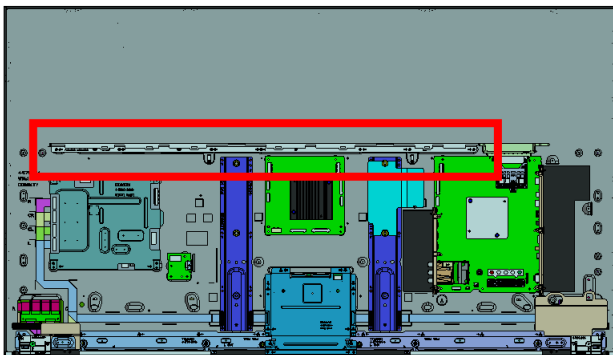


3

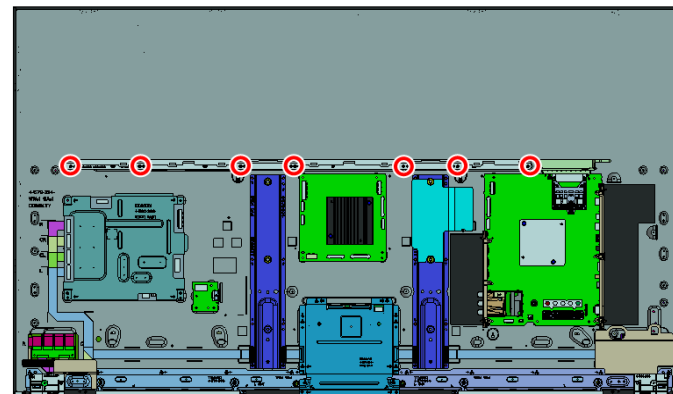


1. XBR-55X930D

1-28. TOP COVER (L GNT)

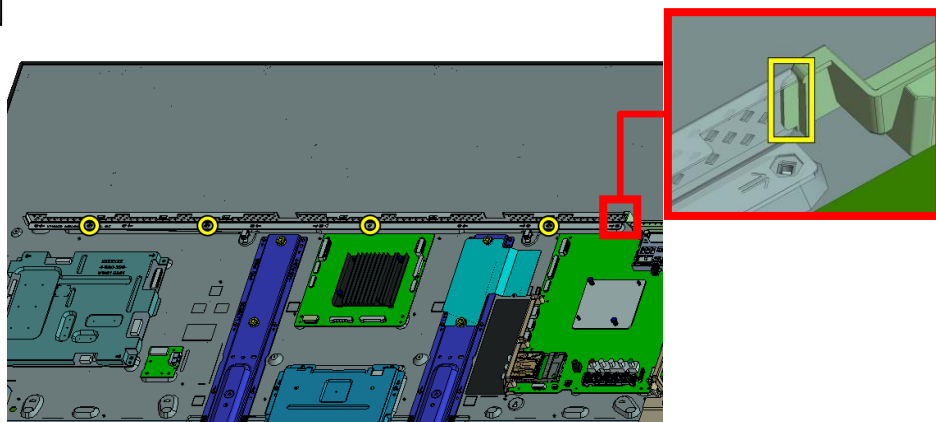


1

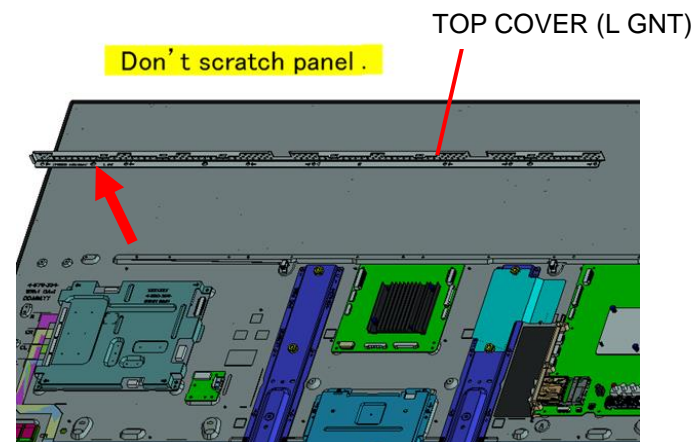


7 screws (SCREW, +PSW M3X6) P/N: 4-472-518-11

2

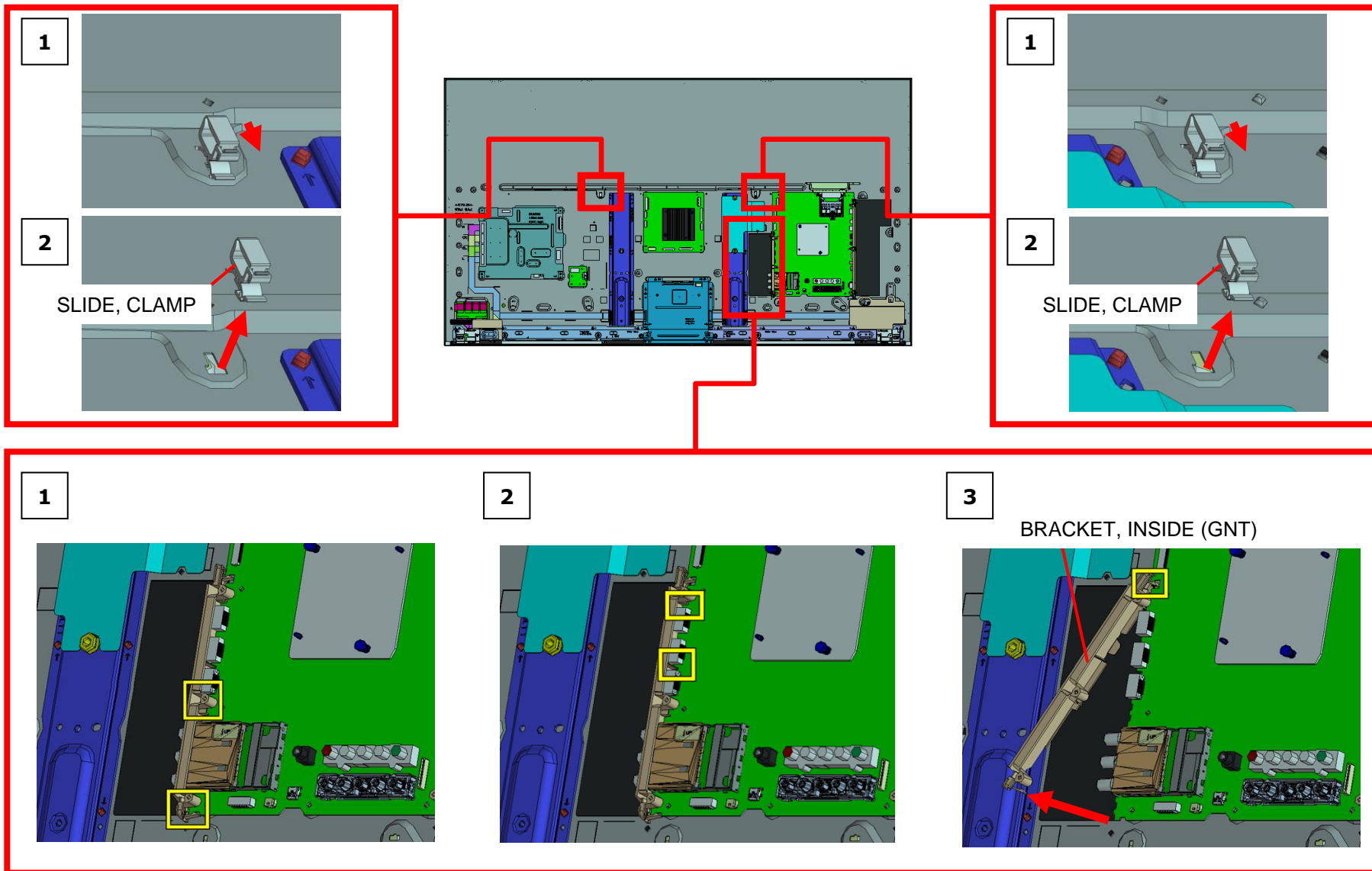


3



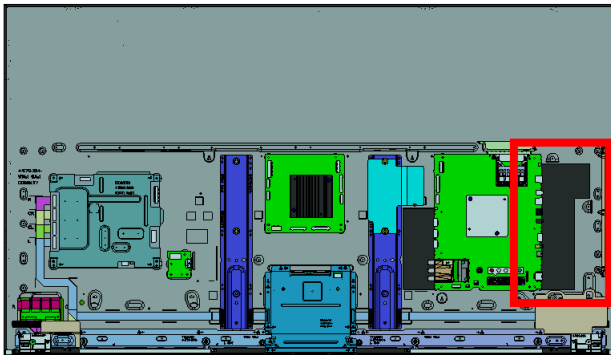
1. XBR-55X930D

1-29. SLIDE, CLAMP AND BRACKET, INSIDE (GNT)

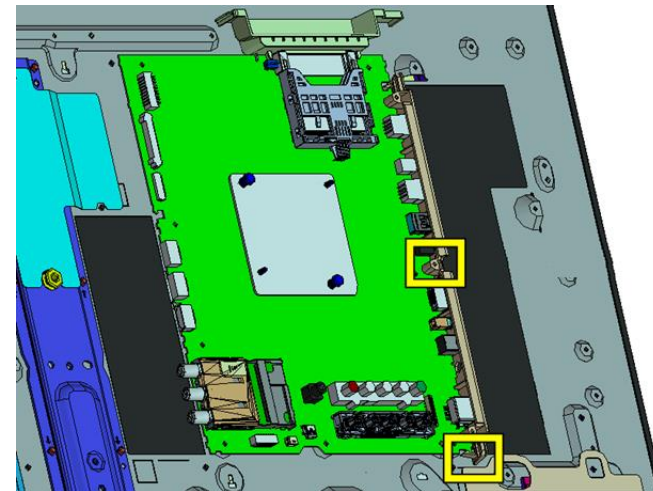


1. XBR-55X930D

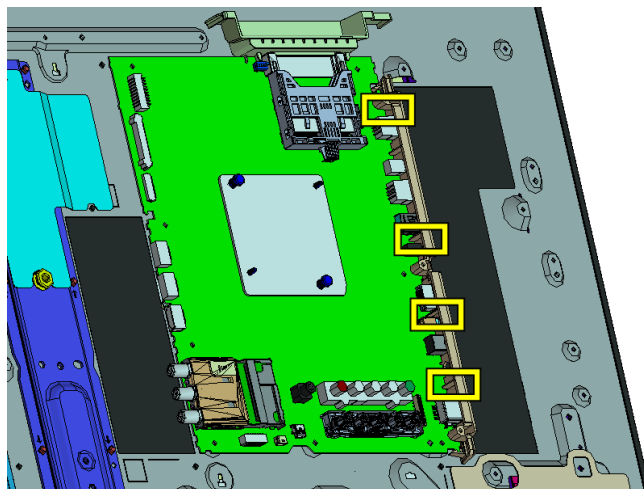
1-30. BRACKET, SIDE (GNT)



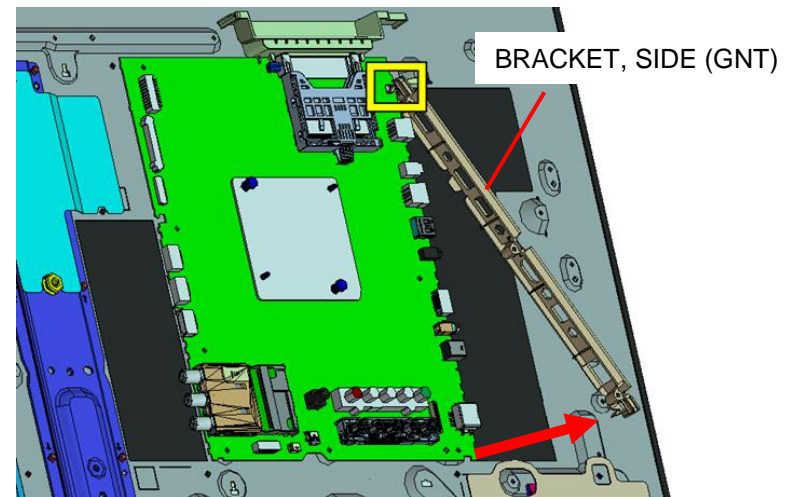
1



2

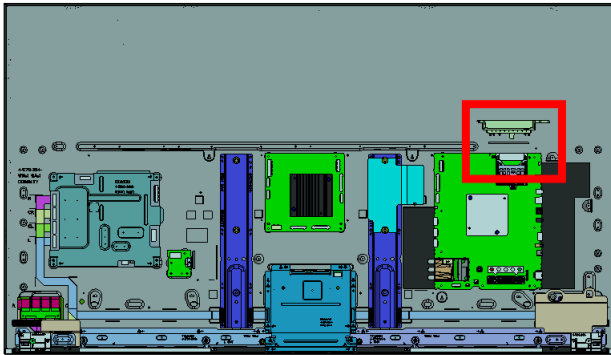


3

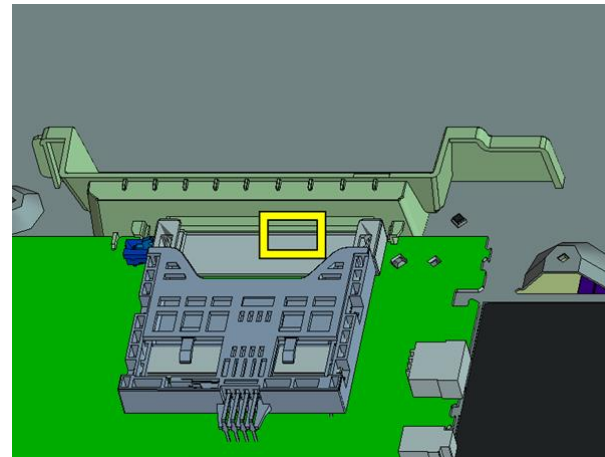


1. XBR-55X930D

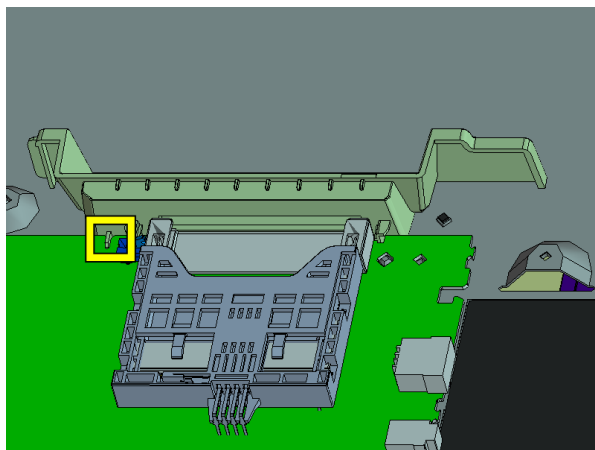
1-31. BRACKET, TOP (GNT)



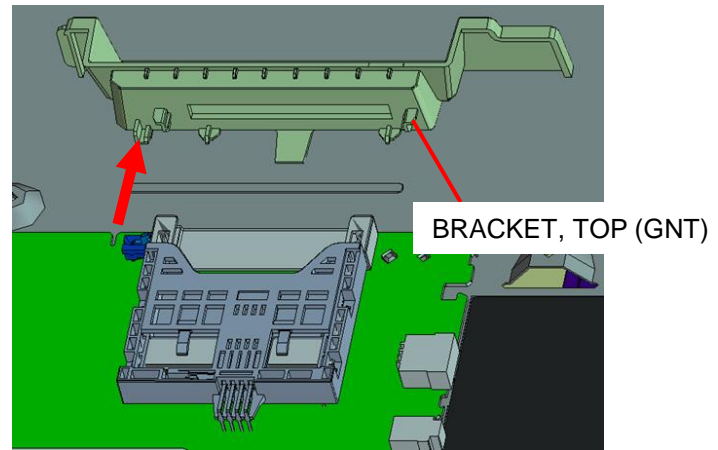
1



2

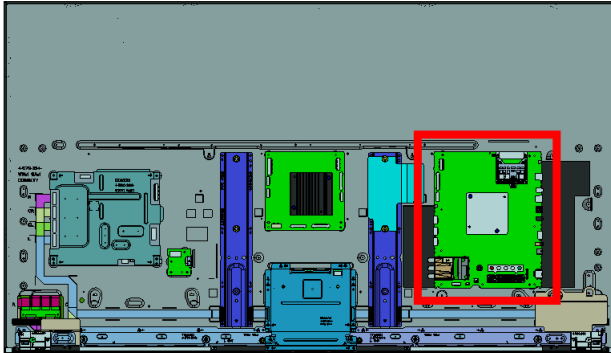


3

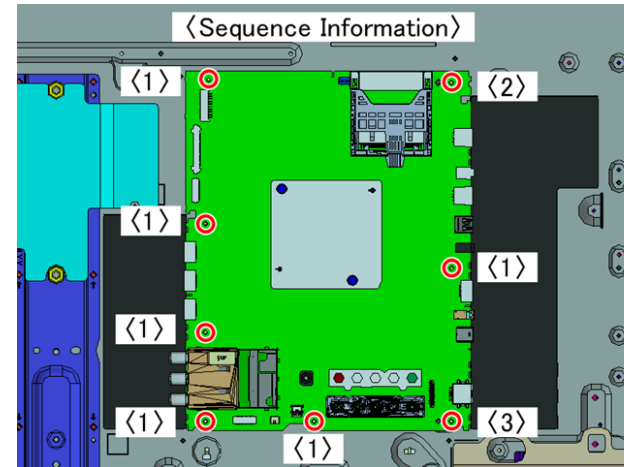


1. XBR-55X930D

1-32. BM1

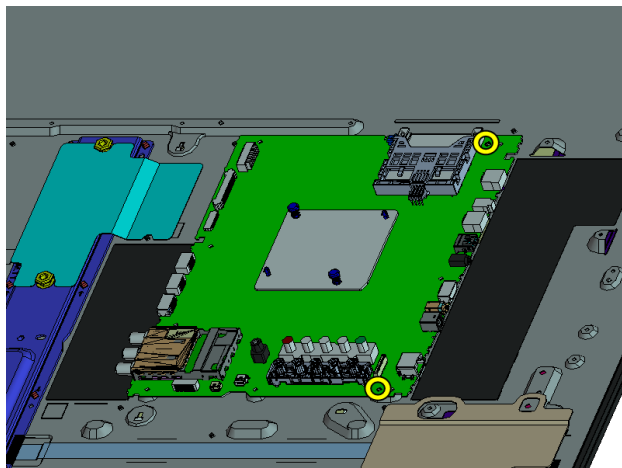


1

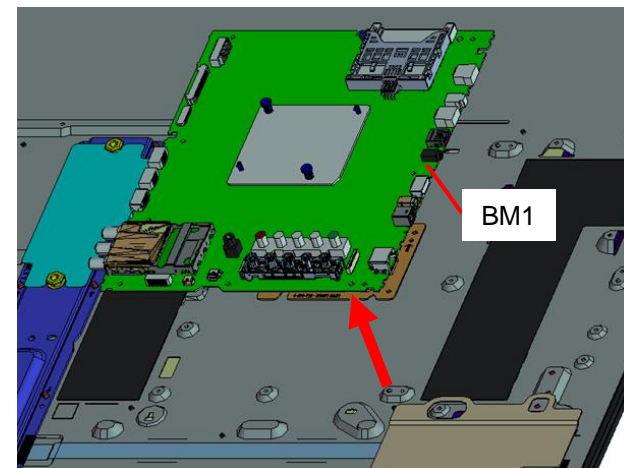


8 screws (SCREW, +PSW M3X6) P/N: 4-472-518-11

2

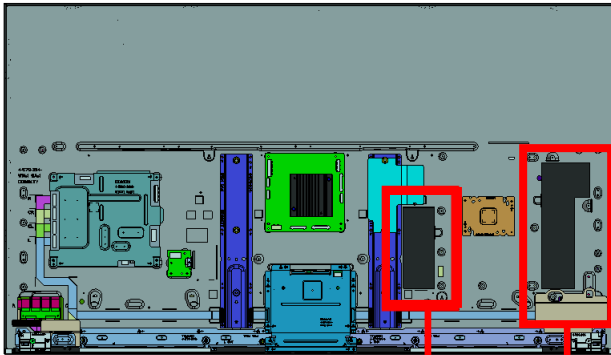


3

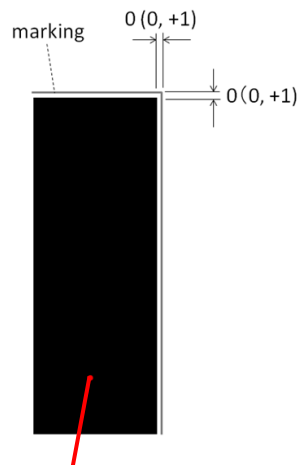


1. XBR-55X930D

1-33. LABEL, INSIDE TERMINAL (GNT) AND LABEL, SIDE TERMINAL (GNT)

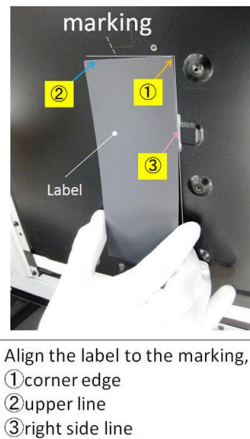


When you do panel replacement,
please also replace this part at the same time to a new one.

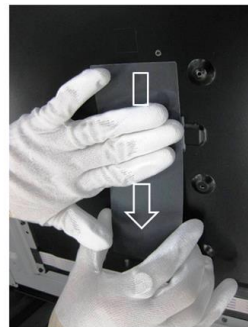


LABEL, INSIDE TERMINAL (GNT)

Caution: Don't damage to LABEL. Scratch, deform, dirty etc....

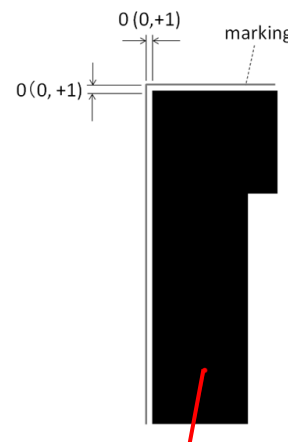


Align the label to the marking,
①corner edge
②upper line
③right side line



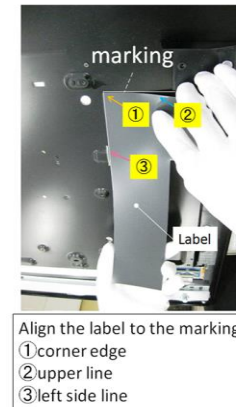
To prevent bubbles from entering,
Please stroked the label from the
top side to the bottom side.

When you do panel replacement,
please also replace this part at the same time to a new one.

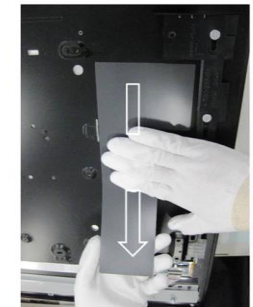


LABEL, SIDE TERMINAL (GNT)

Caution: Don't damage to LABEL. Scratch, deform, dirty etc....



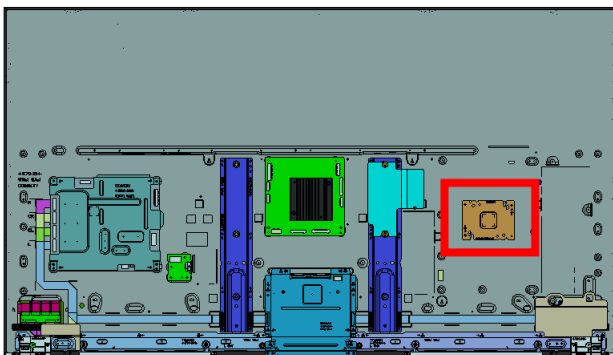
Align the label to the marking,
①corner edge
②upper line
③left side line



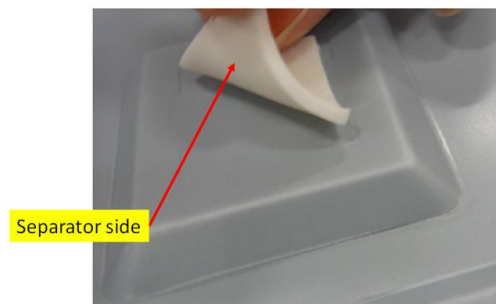
To prevent bubbles from entering,
Please stroked the label from the
top side to the bottom side.

1. XBR-55X930D

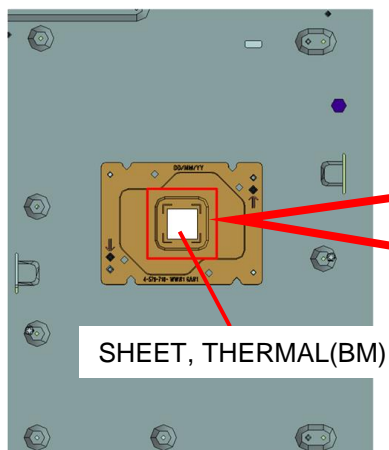
1-34. SHEET, THERMAL(BM)



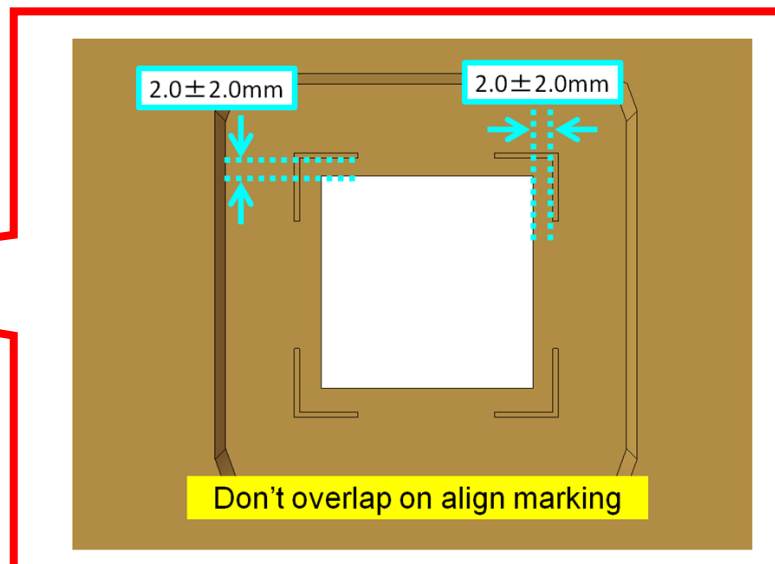
Be careful the side of SHEET THERMAL.



Separator side



SHEET, THERMAL(BM)



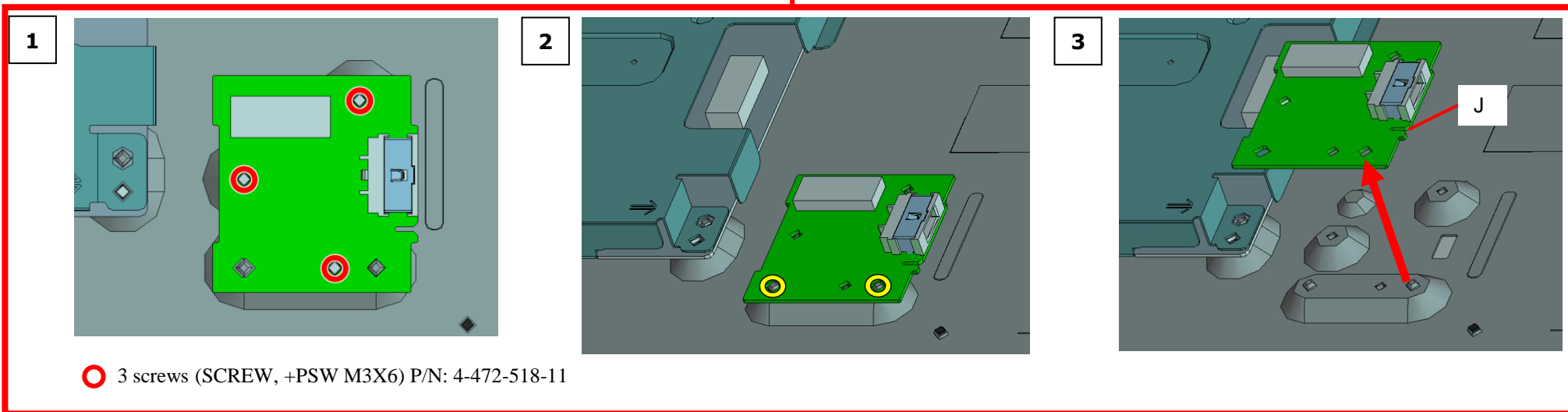
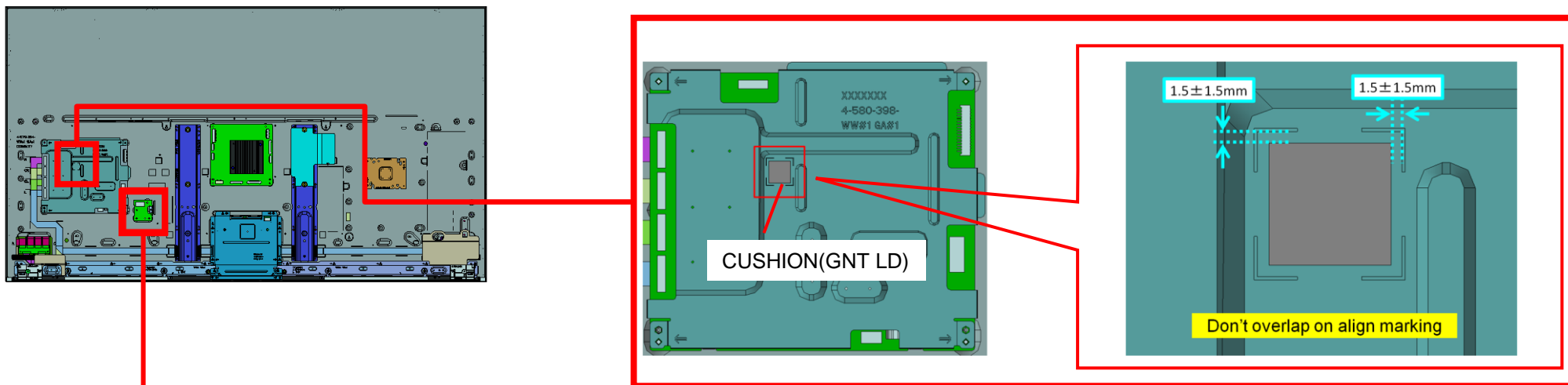
$2.0 \pm 2.0\text{mm}$

$2.0 \pm 2.0\text{mm}$

Don't overlap on align marking

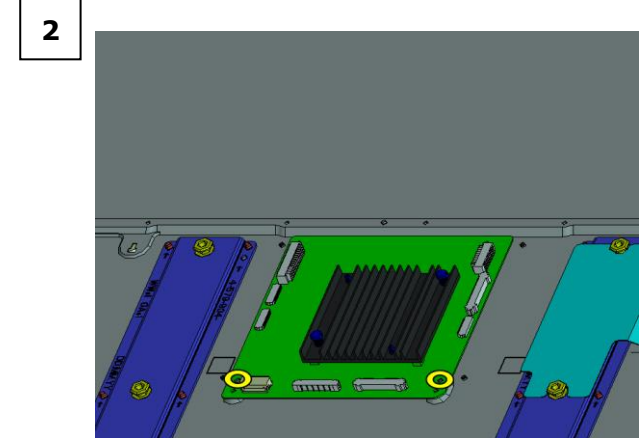
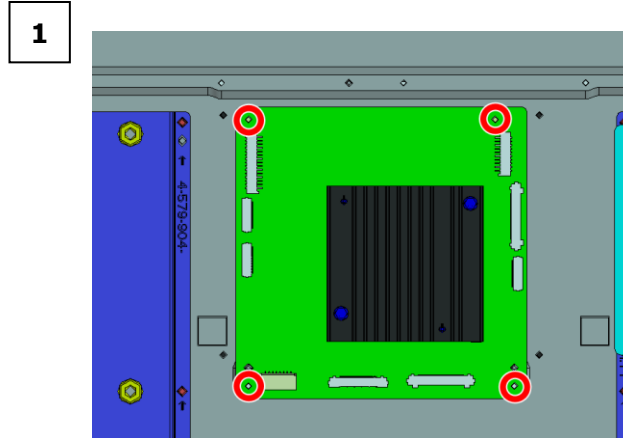
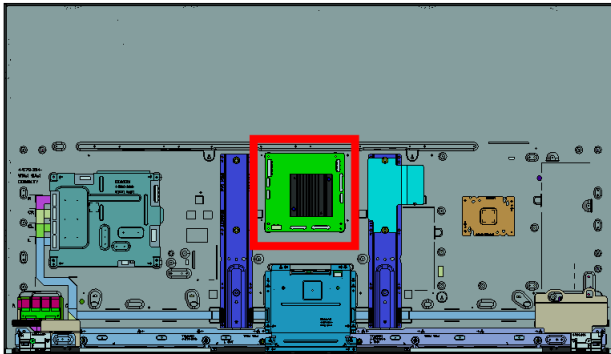
1. XBR-55X930D

1-35. CUSHION(GNT LD) AND J

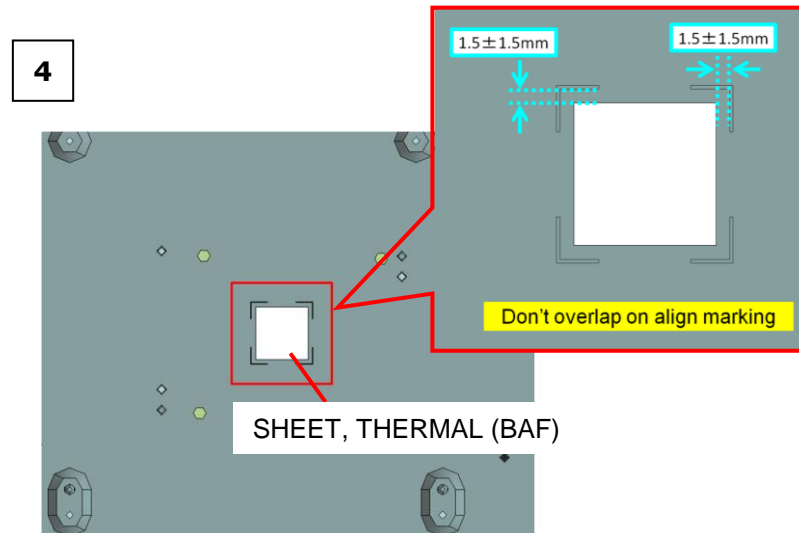
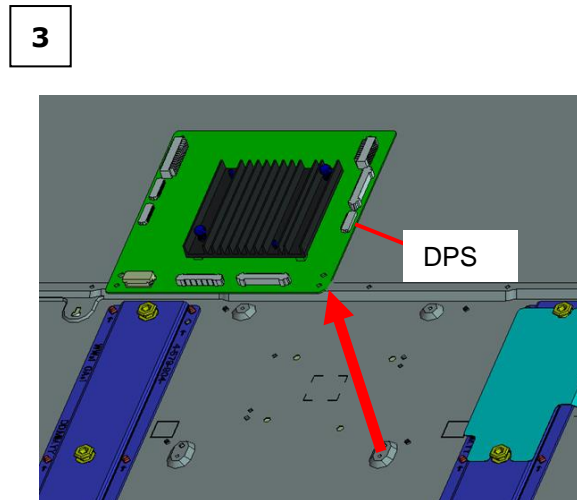


1. XBR-55X930D

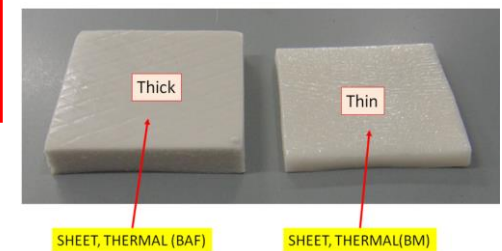
1-36. DPS AND SHEET, THERMAL (BAF)



○ 4 screws (SCREW, +PSW M3X6) P/N: 4-472-518-11

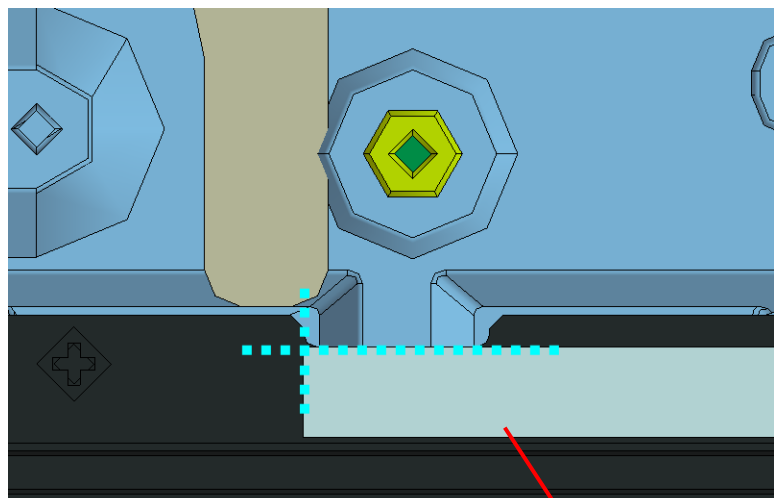
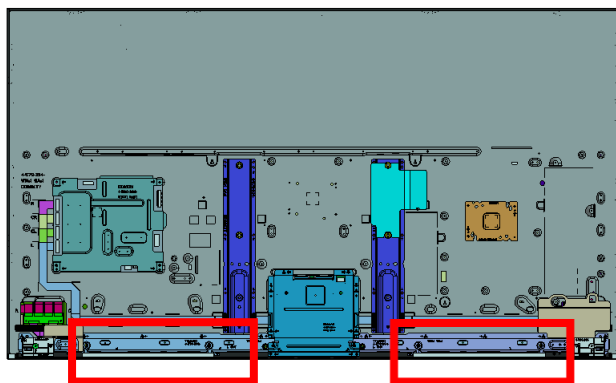


Don't confuse the (BAF) and (BM).

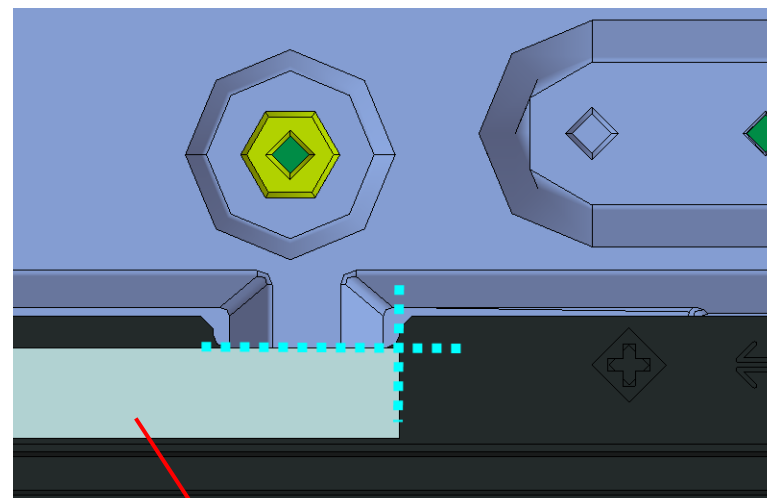


1. XBR-55X930D

1-37. CUSHION, AL SP (GNT)



CUSHION, AL SP (GNT)




CUSHION, AL SP (GNT)

1. XBR-55X930D

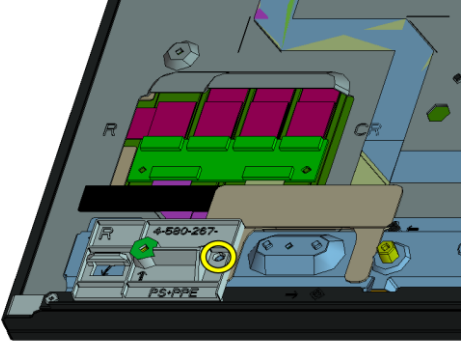
1-38. BRACKET, HOOK (L) (GNT) AND BRACKET, HOOK (R) (GNT)

1

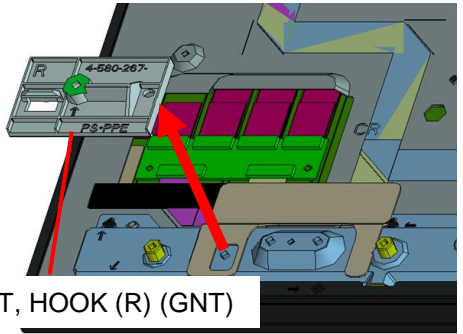


○ Screw (SCREW, +PSW M3X6) P/N: 4-472-518-11

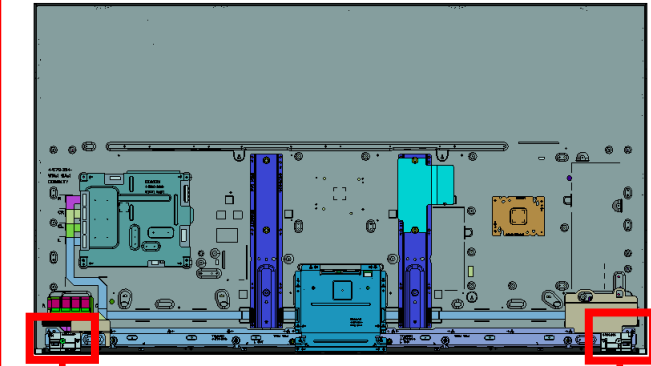
2



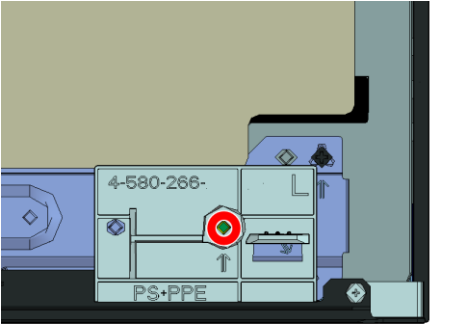
3



BRACKET, HOOK (R) (GNT)

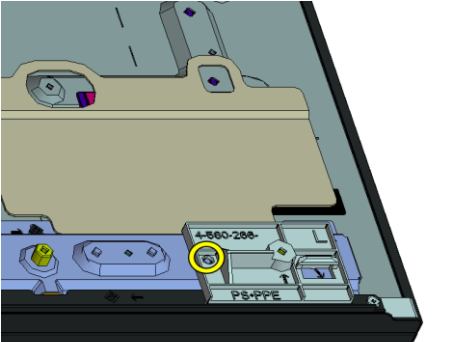


1

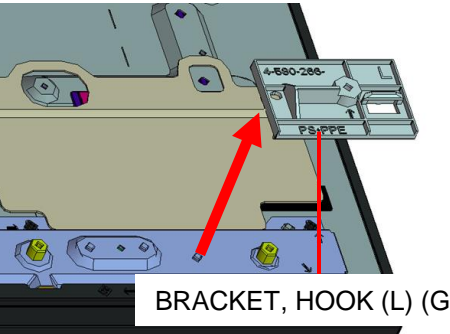


○ Screw (SCREW, +PSW M3X6) P/N: 4-472-518-11

2



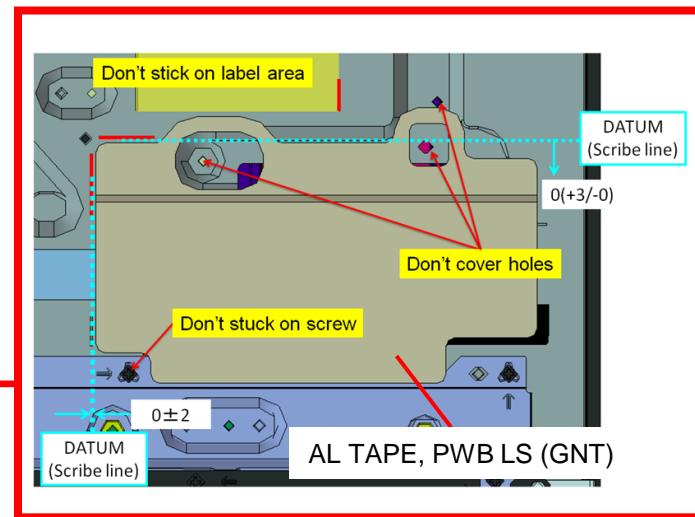
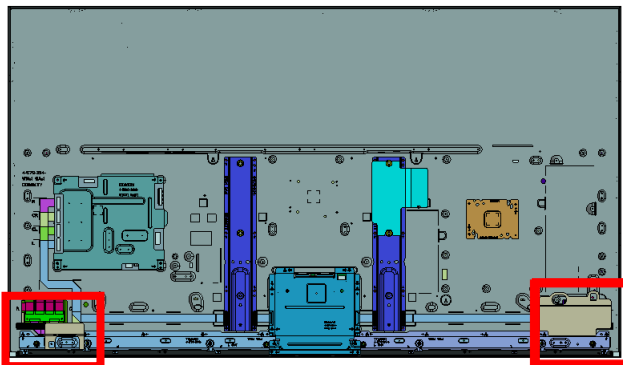
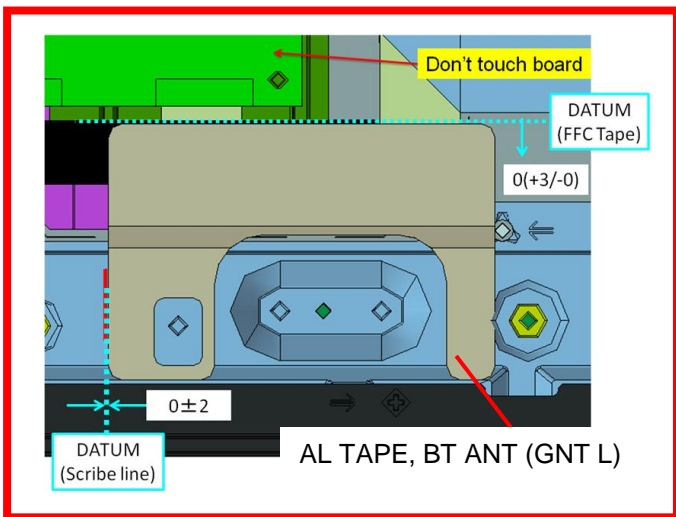
3



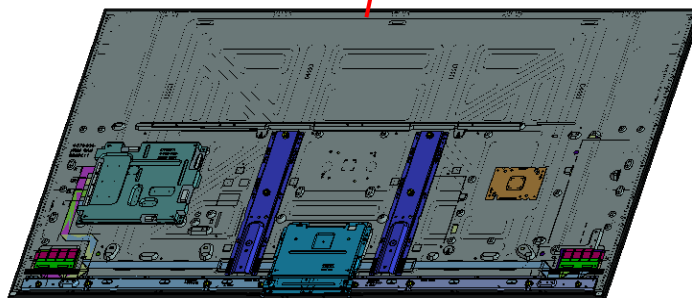
BRACKET, HOOK (L) (GNT)

1. XBR-55X930D

1-39. AL TAPE, BT ANT (GNT L) AND AL TAPE, PWB LS (GNT) AND LCD PANEL

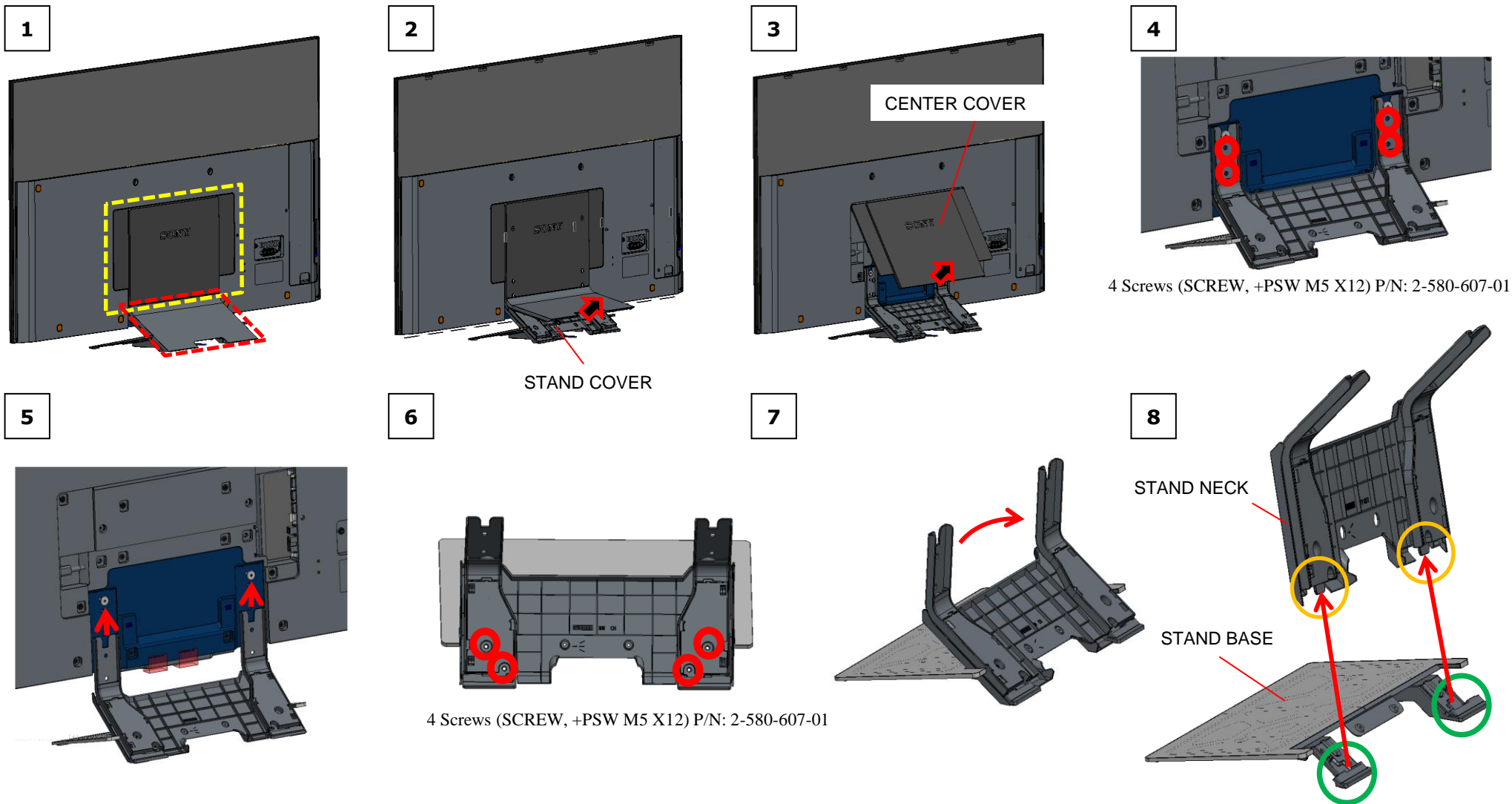


LCD PANEL



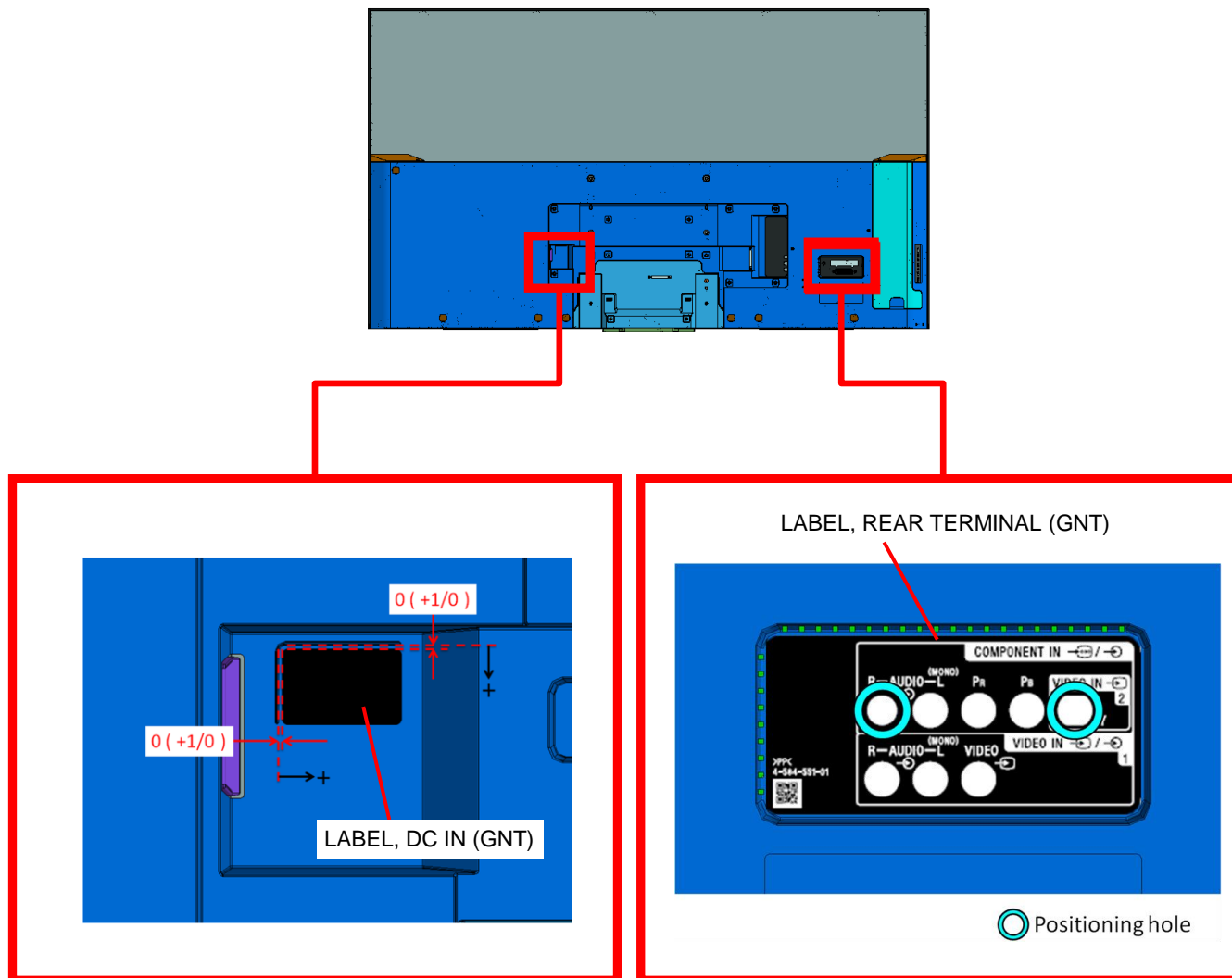
2. XBR-65X930D/935D/937D

2-1. STAND



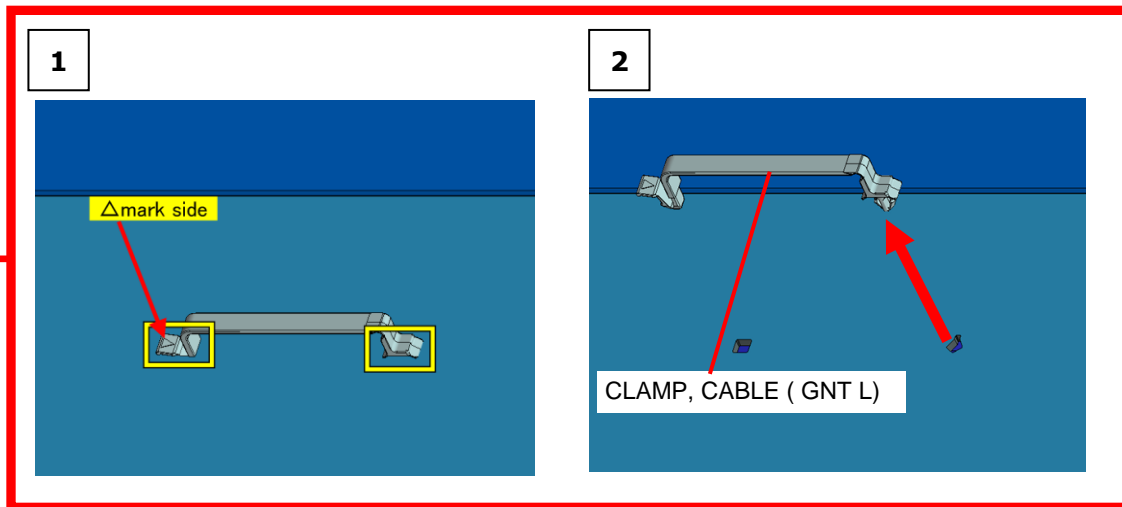
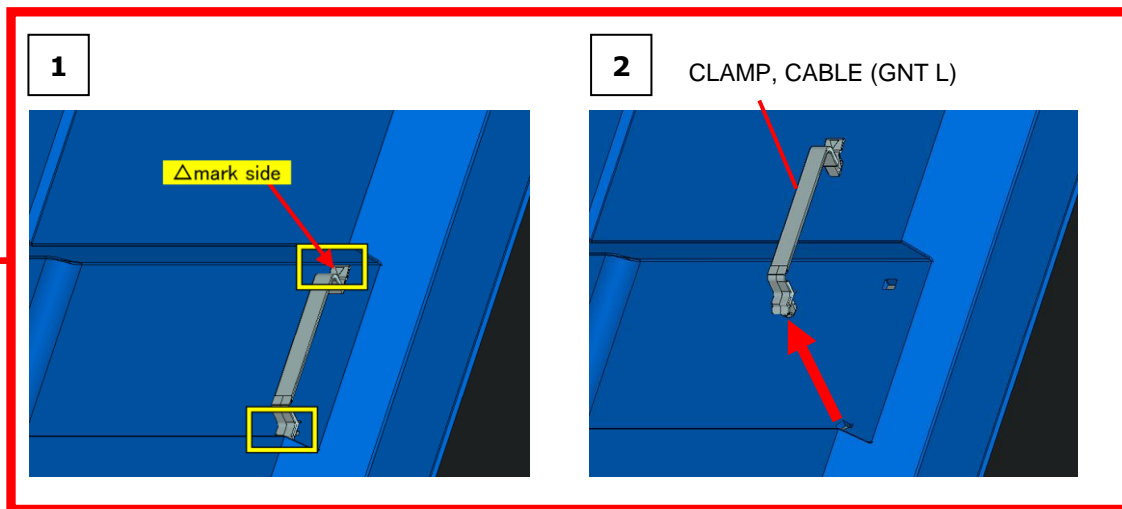
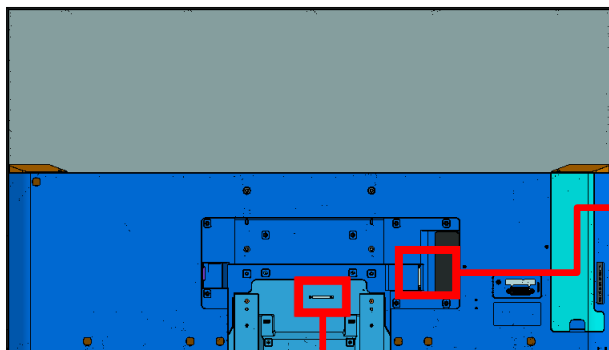
2. XBR-65X930D/935D/937D

2-2. LABEL, REAR TERMINAL (GNT) AND LABEL, DC IN (GNT)



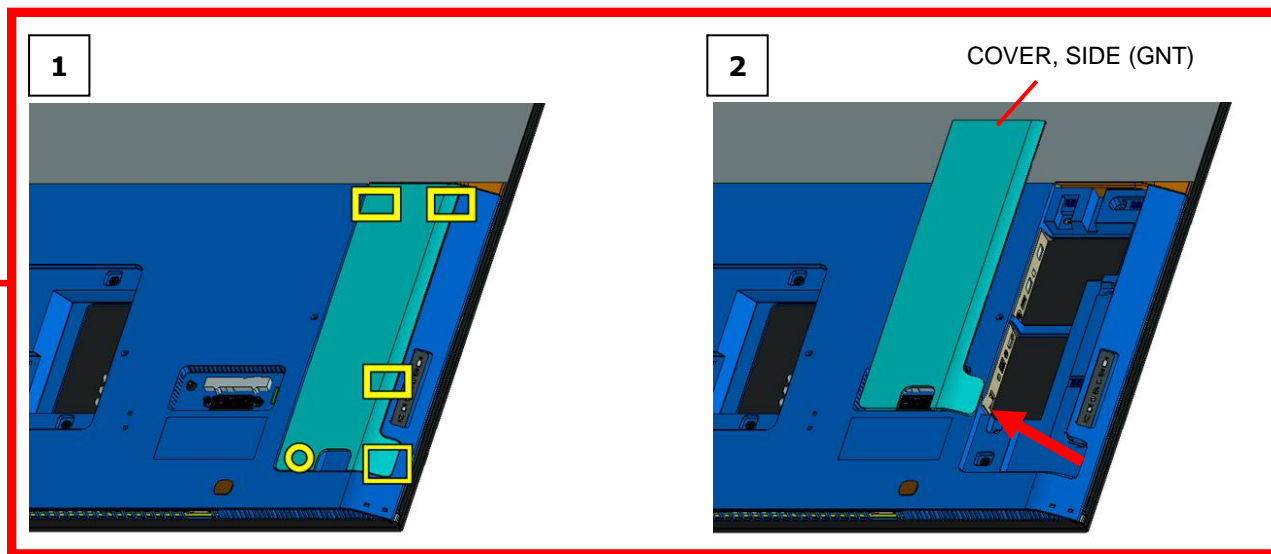
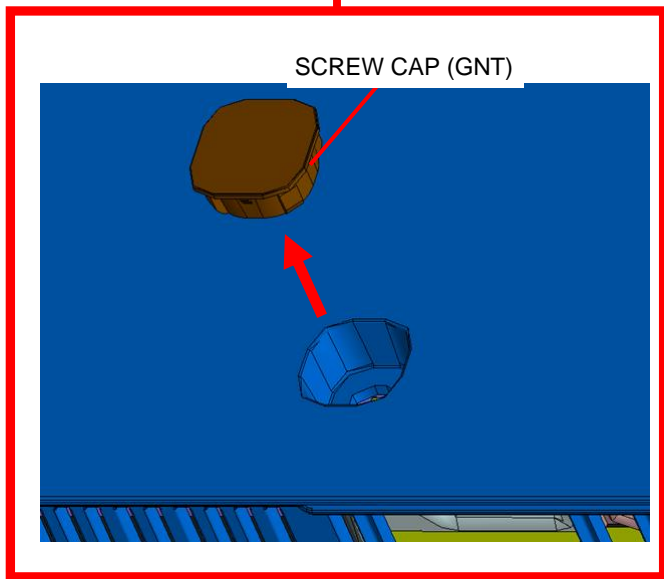
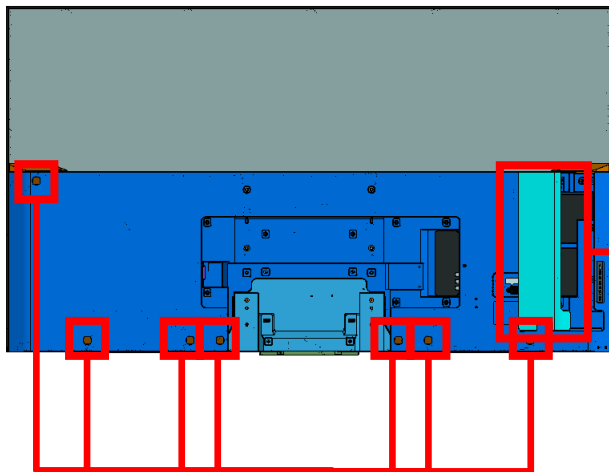
2. XBR-65X930D/935D/937D

2-3. CLAMP, CABLE (GNT L)



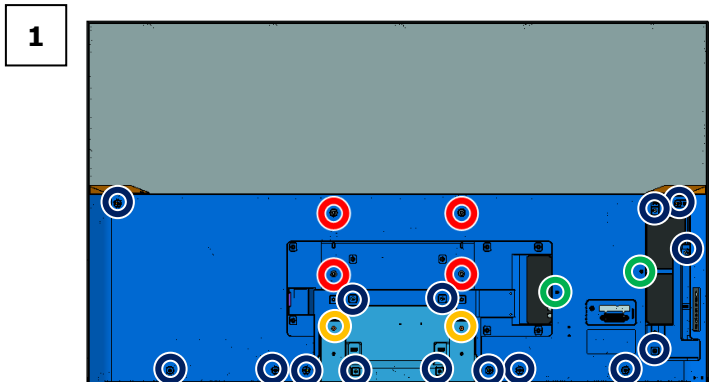
2. XBR-65X930D/935D/937D

2-4. COVER, SIDE (GNT) AND SCREW CAP (GNT)

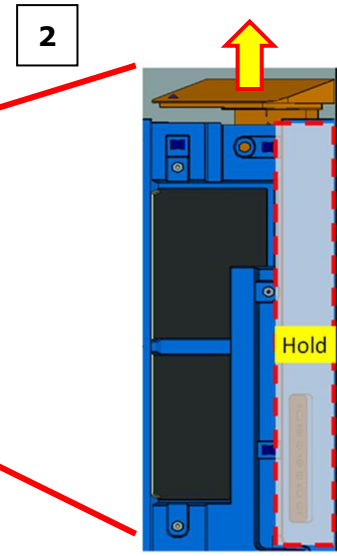


2. XBR-65X930D/935D/937D

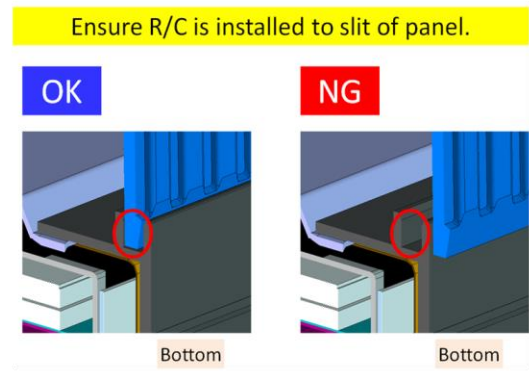
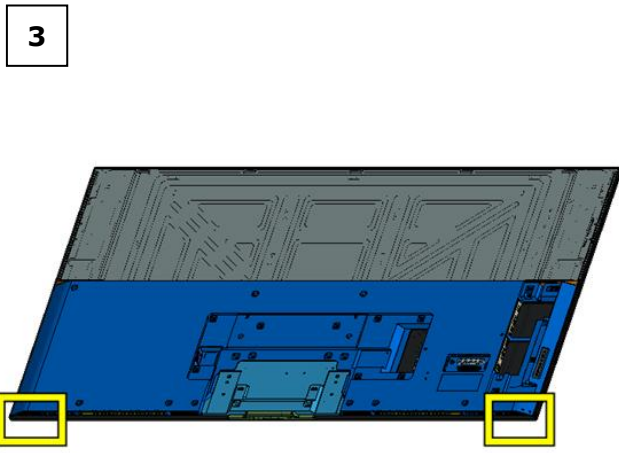
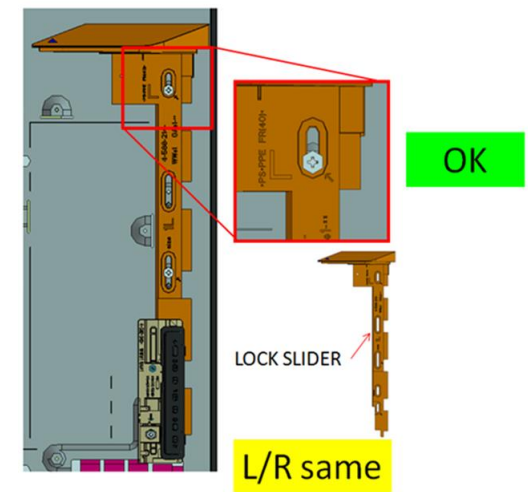
2-5. REAR COVER (2L GNT) A



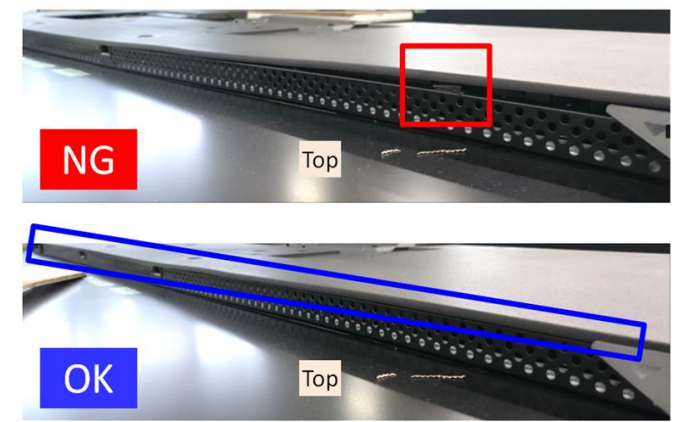
- 4 screws (SCREW, ORNAMENTAL M6X12) P/N: 4-268-126-02
- 2 screws (JOINT, SCREW) P/N: 4-400-043-11
- 2 screws (SCREW +BVTP 3X10 TYPE2 IT-3) P/N: 7-685-647-79
- 15 screws (SCREW , +PWH M3X6) P/N: 4-452-935-01



Note:
Before taking off Rear Cover, you have to slide BRACKET-SLIDE of both sides to the upside.
Please refer to Appendix-1.



Confirm hook fixed properly and no floating the R/C.



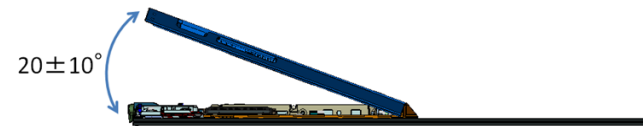
2. XBR-65X930D/935D/937D

2-5. REAR COVER (2L GNT) A

4

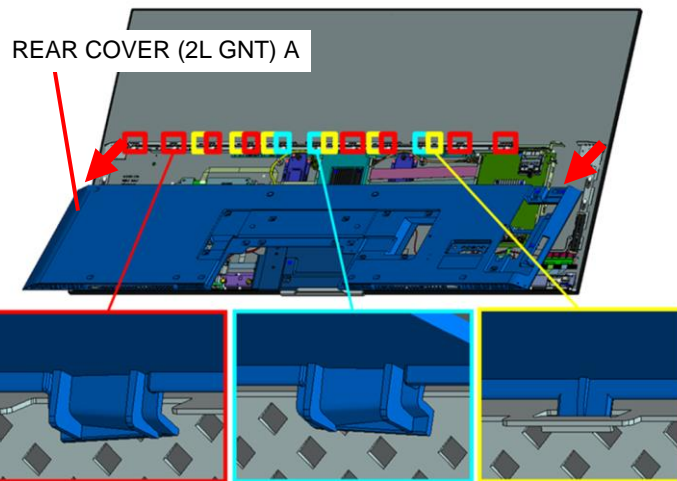


Install angle of REAR COVER.



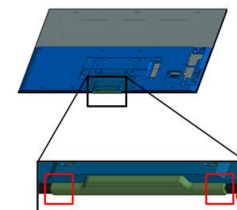
5

Don't hit R/C to BT ANTENNA.



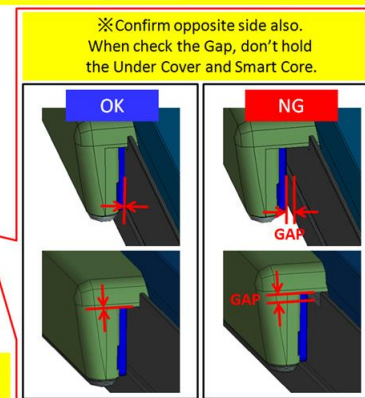
Note: Check the hook has not broken after taking off Rear Cover.

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



There are 2 check points.

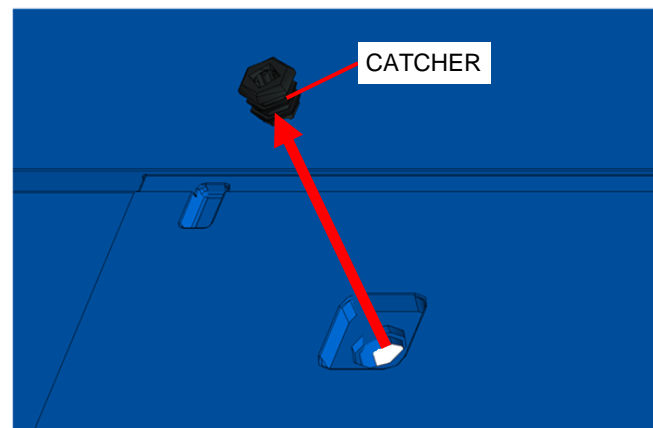
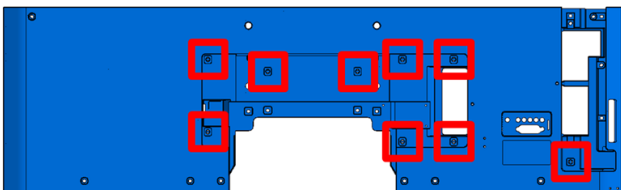
After confirmation of gap,
tighten screw.



Note for the location of the smart core when assembling the R/C.

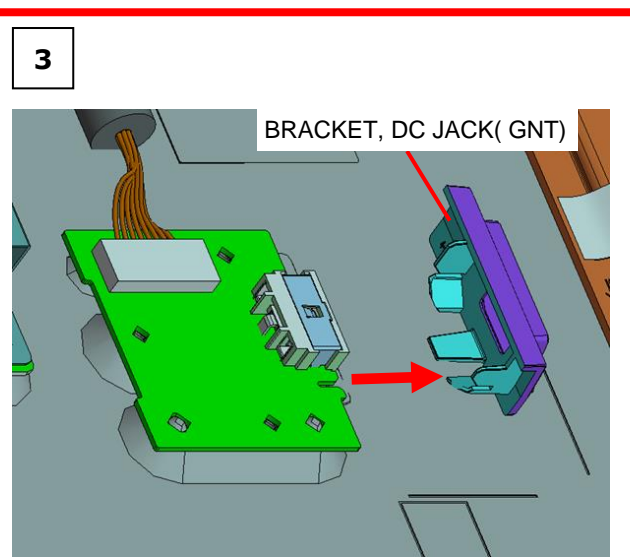
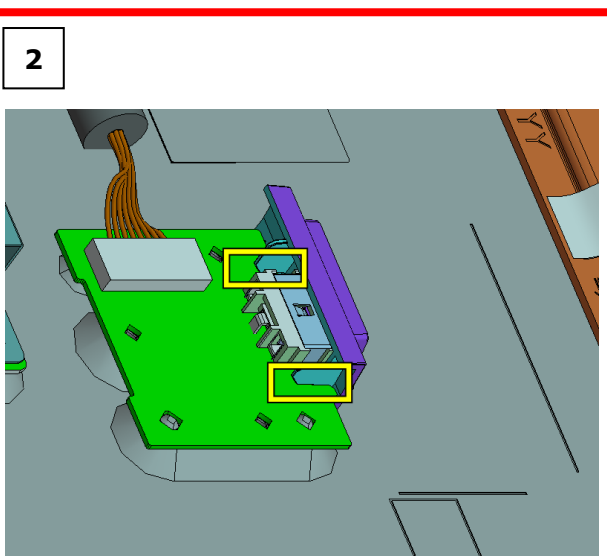
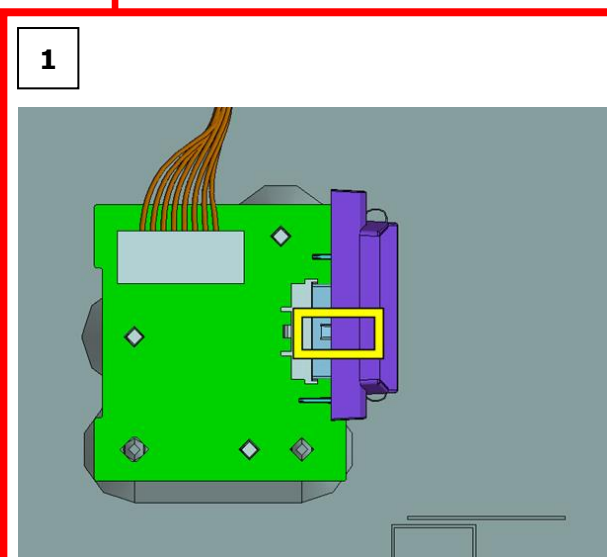
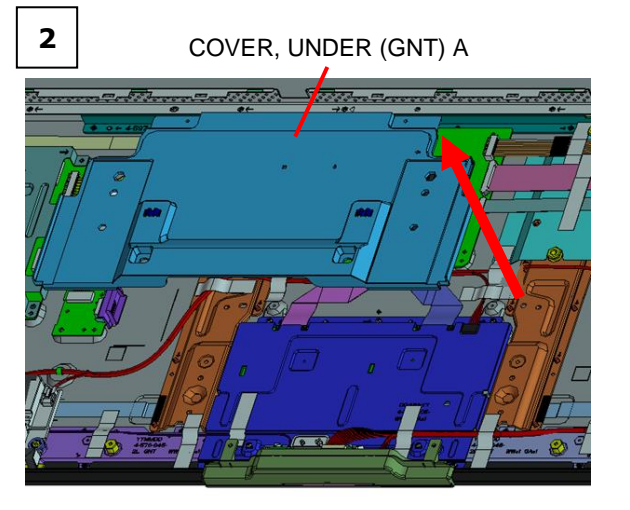
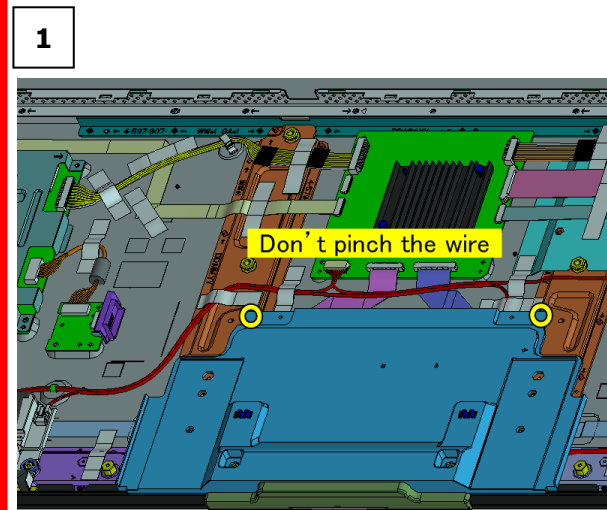
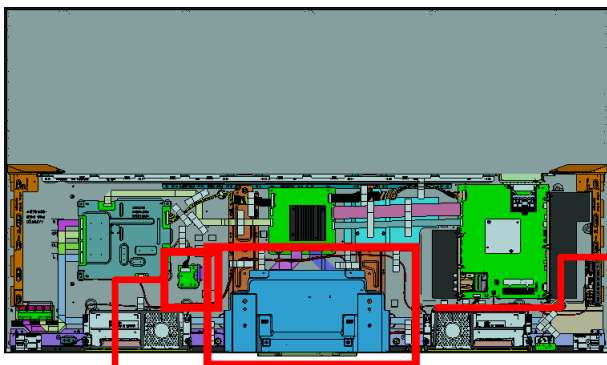
2. XBR-65X930D/935D/937D

2-6. CATCHER



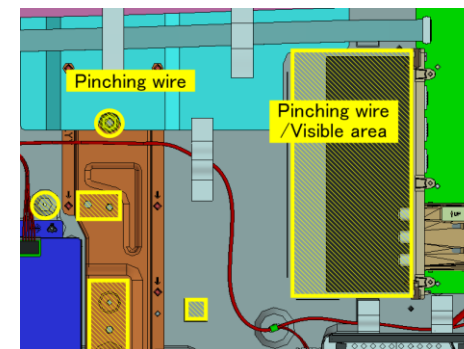
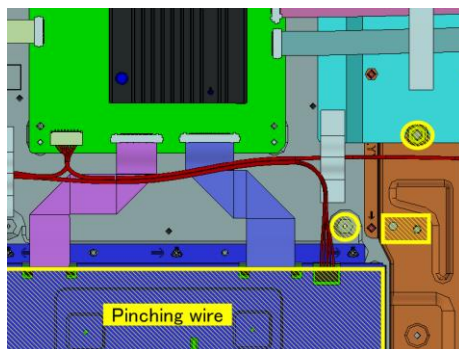
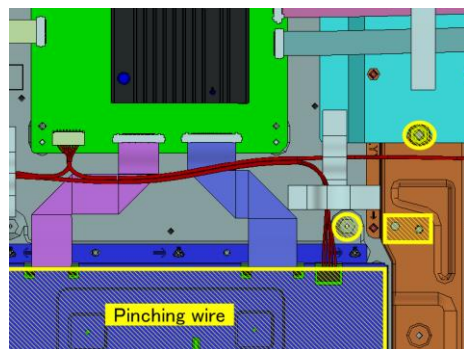
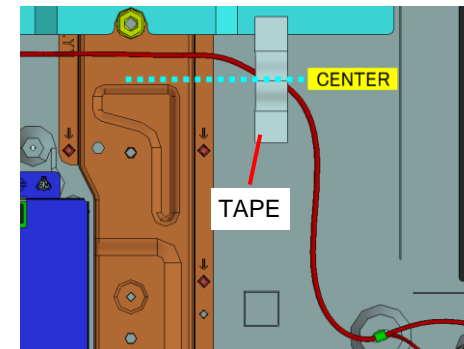
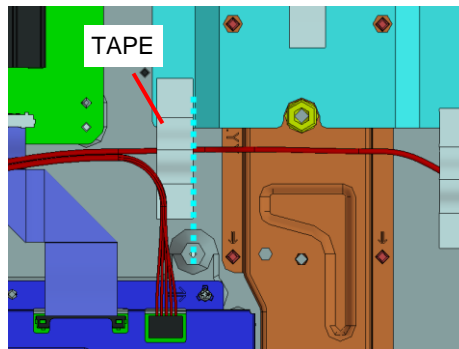
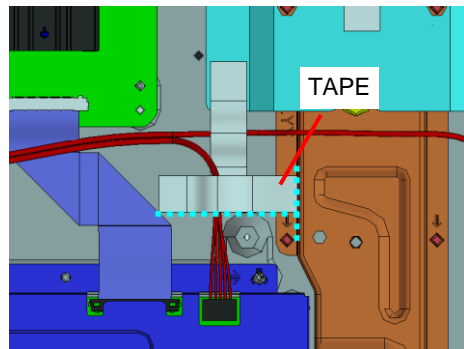
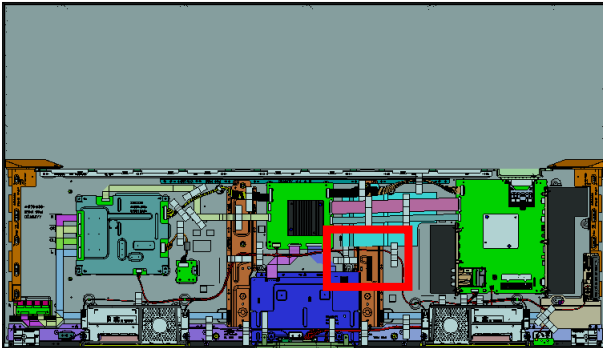
2. XBR-65X930D/935D/937D

2-7. COVER, UNDER (GNT) A AND BRACKET, DC JACK (GNT)



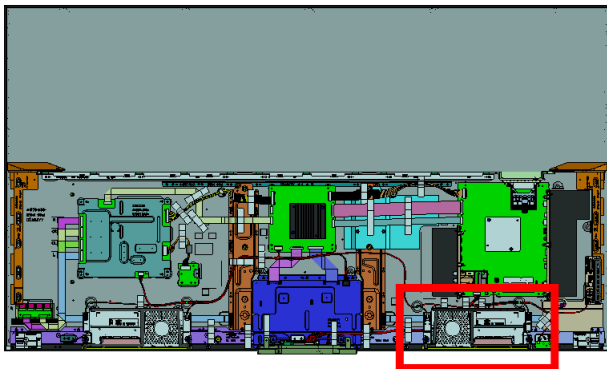
2. XBR-65X930D/935D/937D

2-8. TAPE

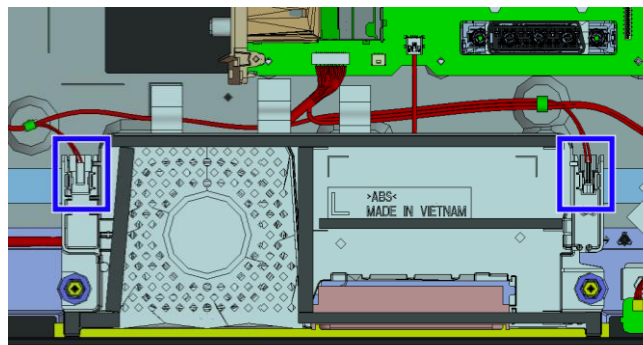


2. XBR-65X930D/935D/937D

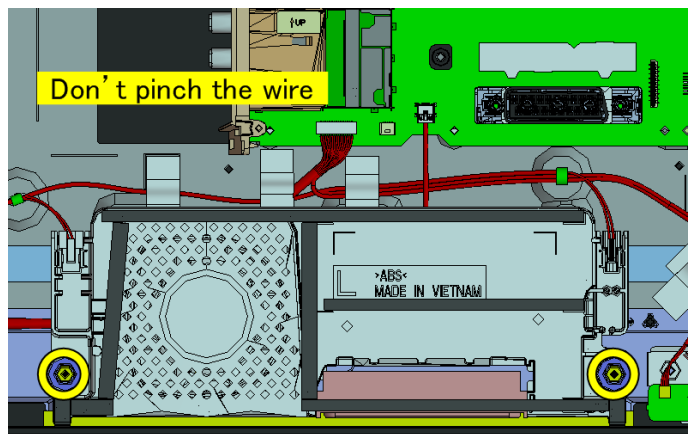
2-9. SP-BOX ASSY (W12-L CH-ND)



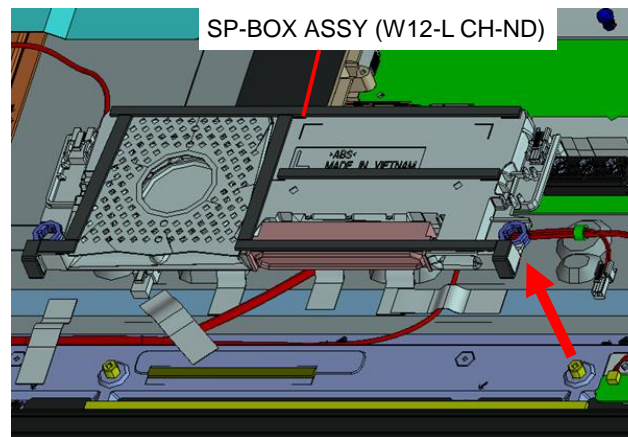
1



2

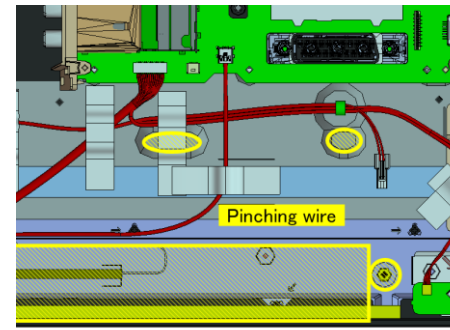
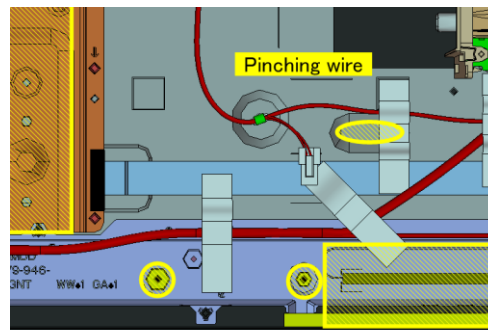
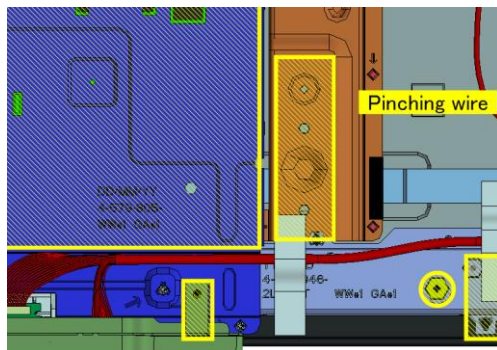
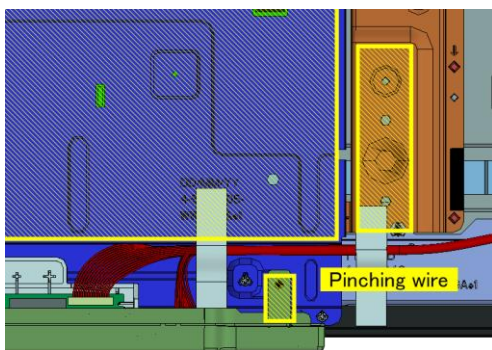
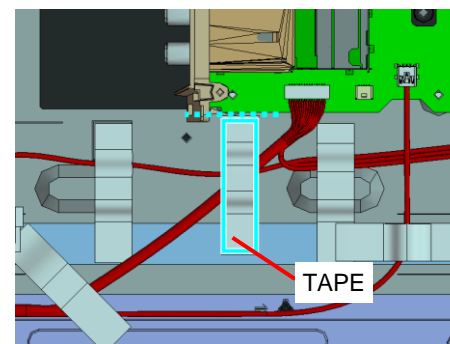
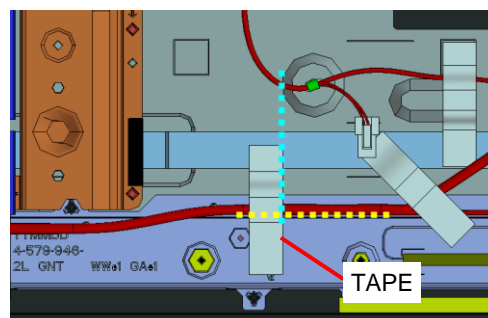
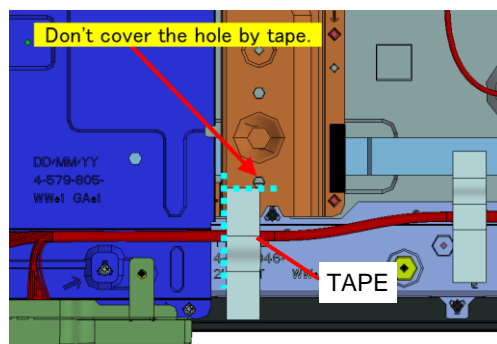
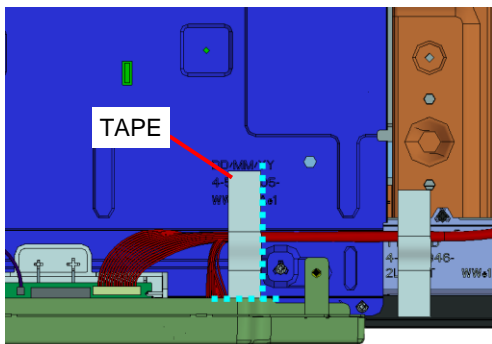
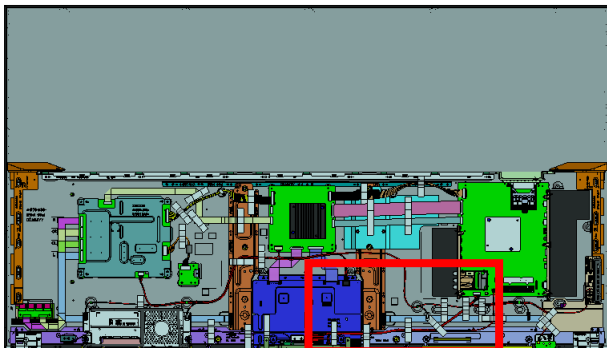


3



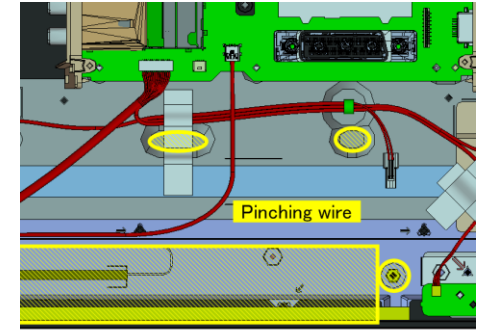
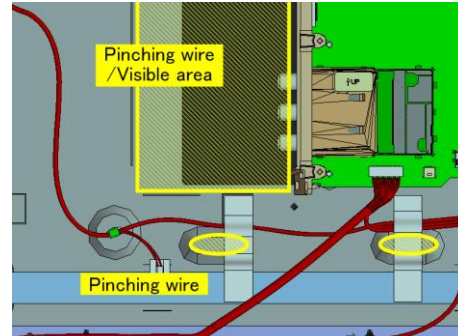
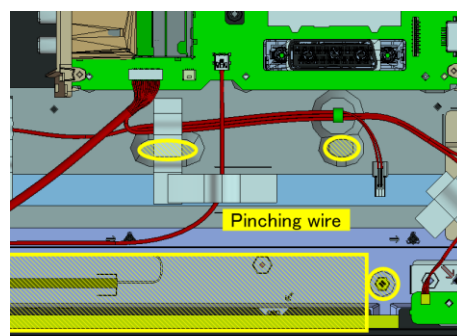
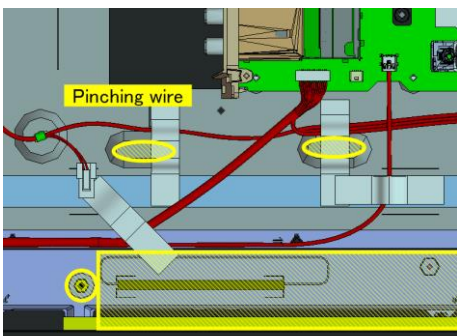
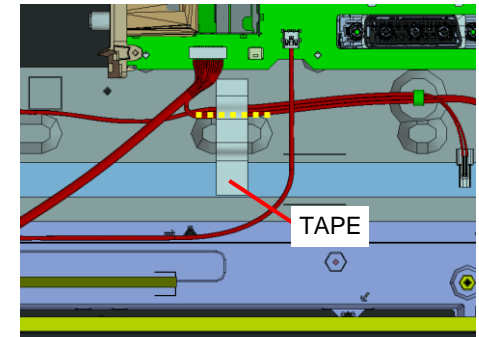
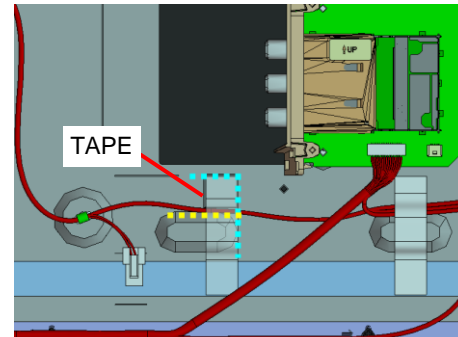
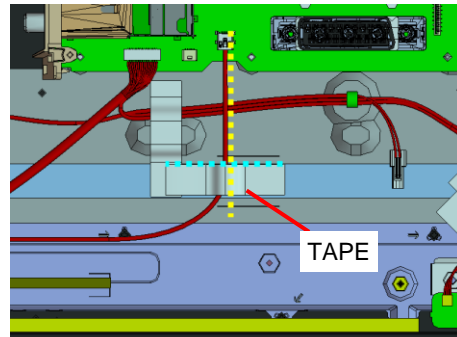
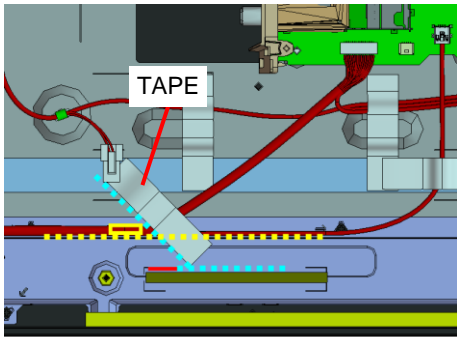
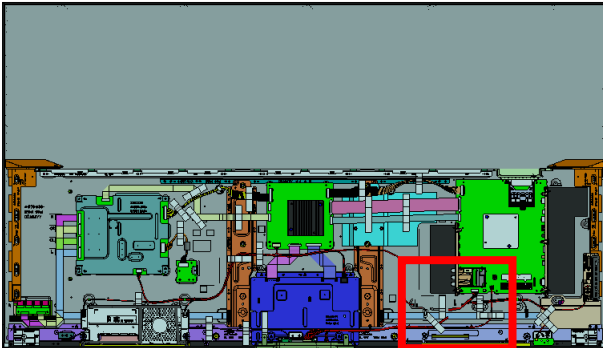
2. XBR-65X930D/935D/937D

2-10. TAPE



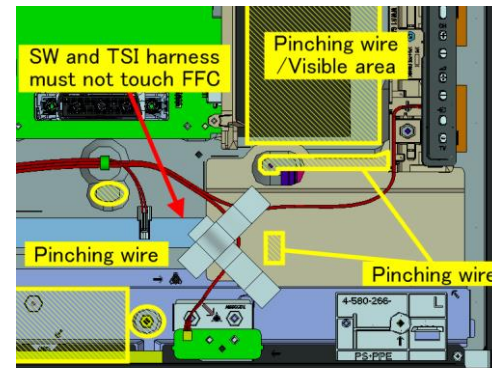
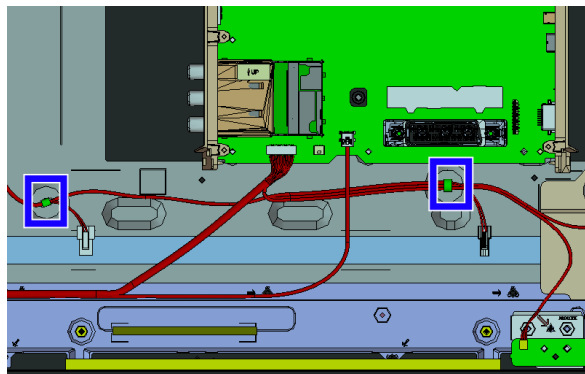
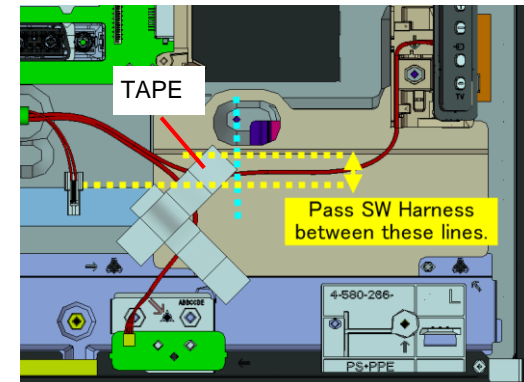
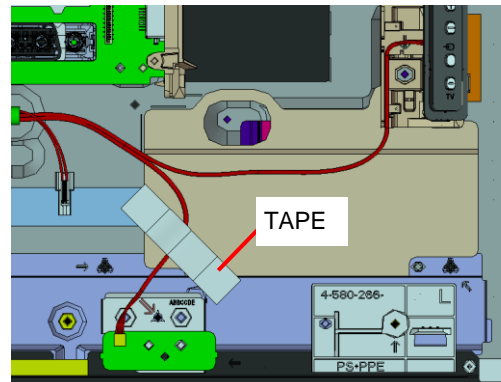
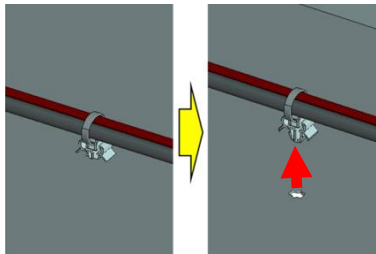
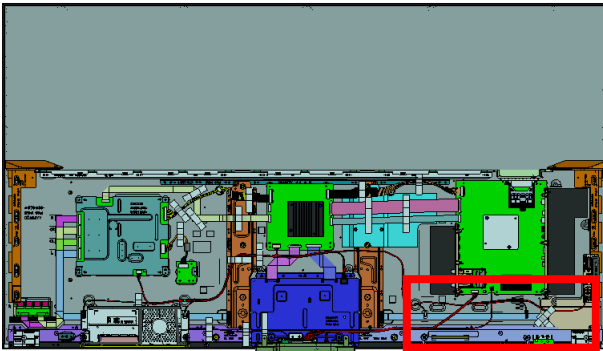
2. XBR-65X930D/935D/937D

2-11. TAPE



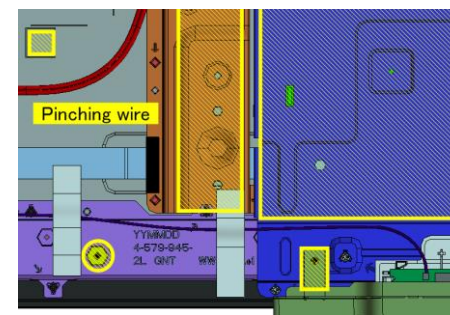
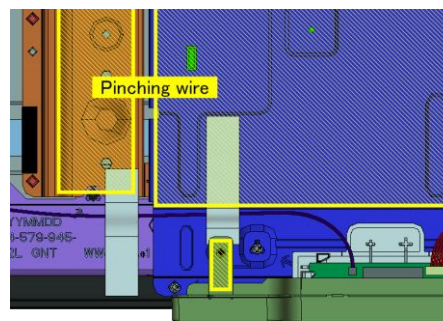
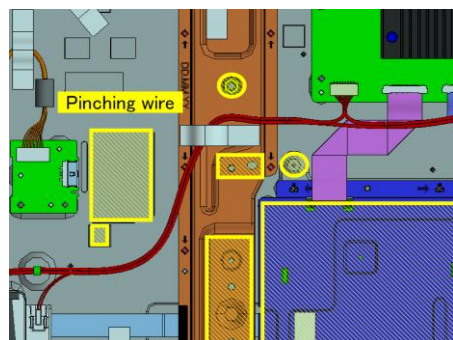
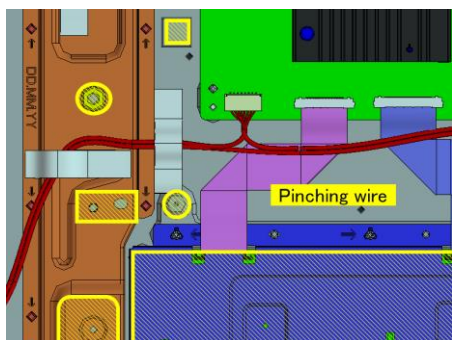
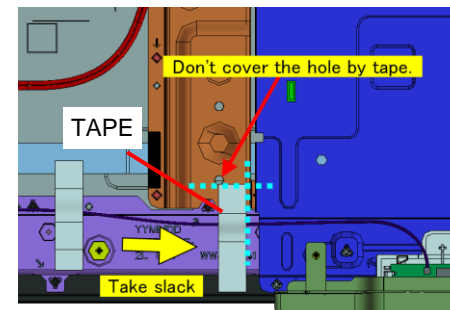
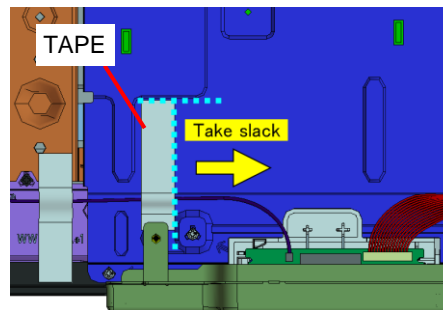
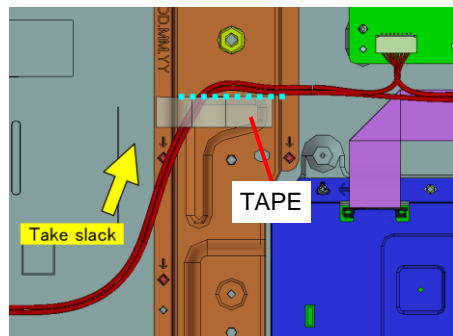
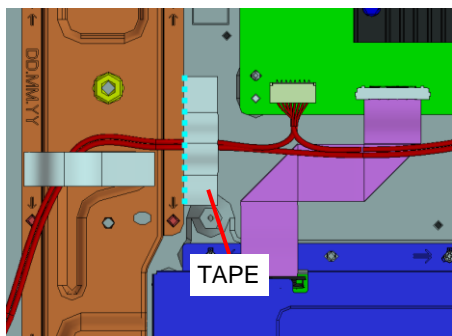
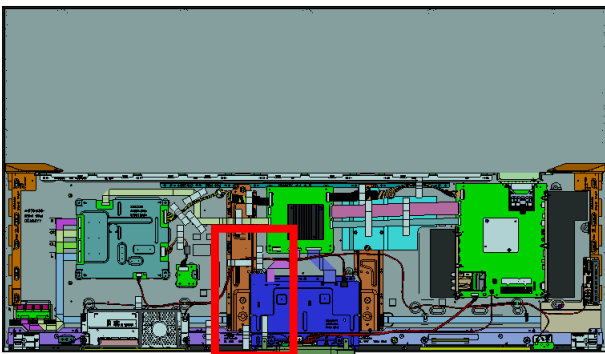
2. XBR-65X930D/935D/937D

2-12. TAPE AND WIRE DRESSING



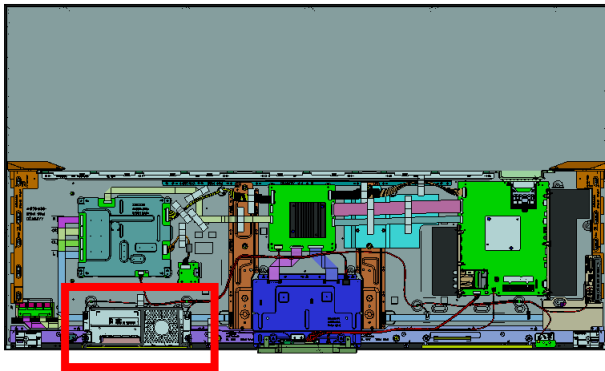
2. XBR-65X930D/935D/937D

2-13. TAPE

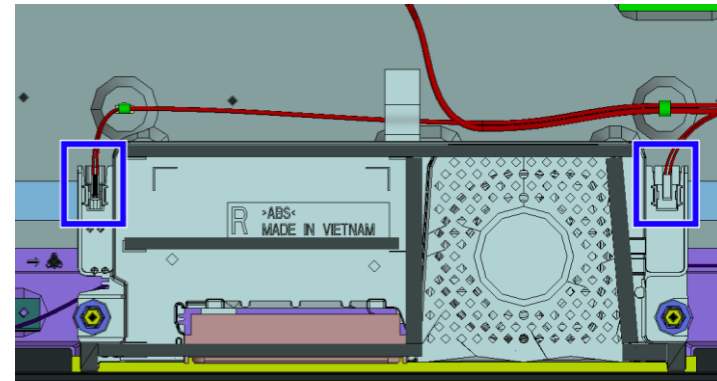


2. XBR-65X930D/935D/937D

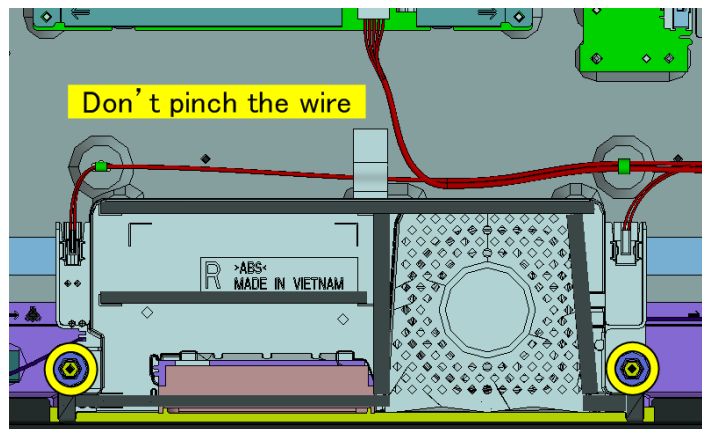
2-14. SP-BOX ASSY(W12-R CH-ND)



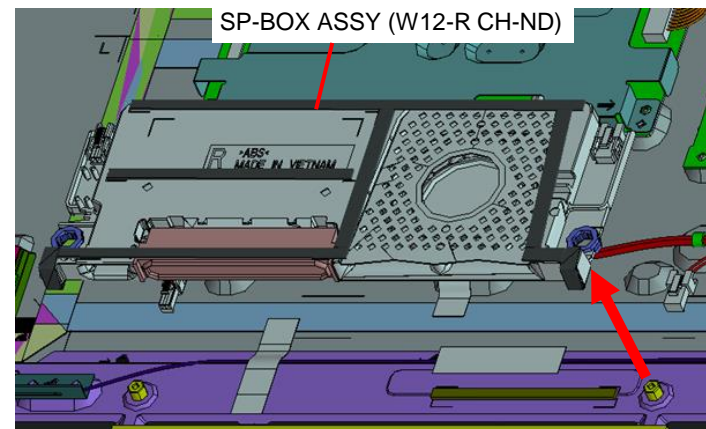
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2

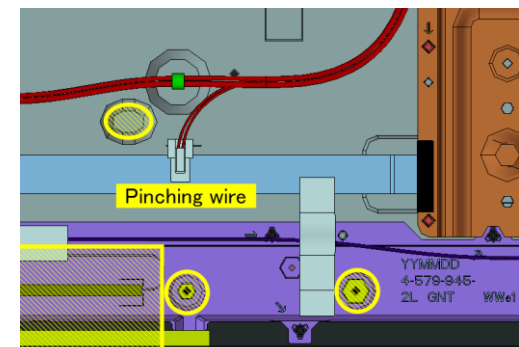
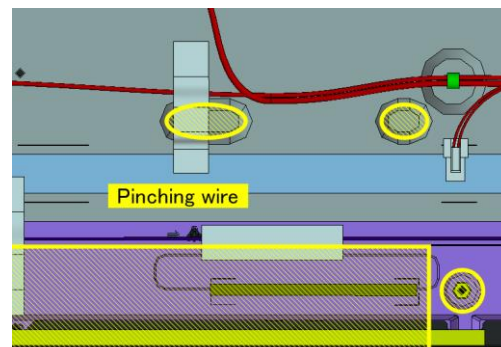
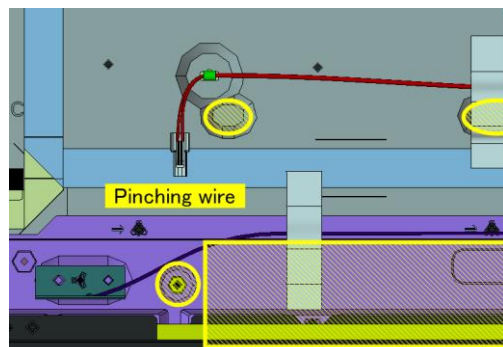
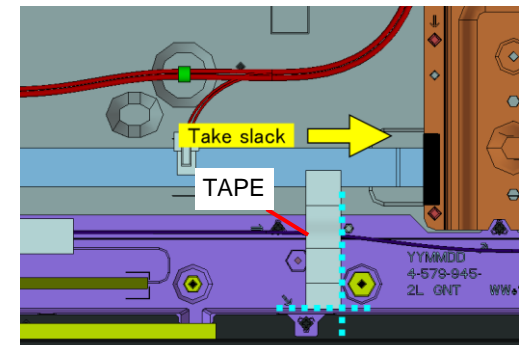
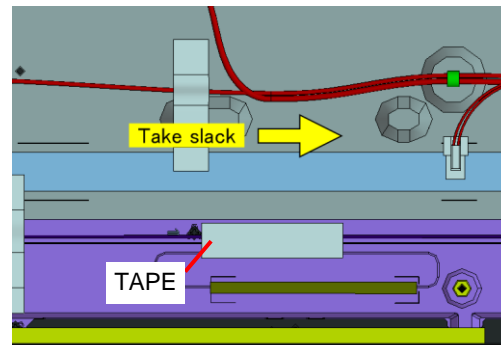
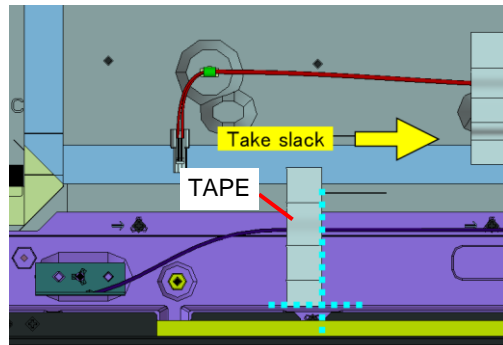
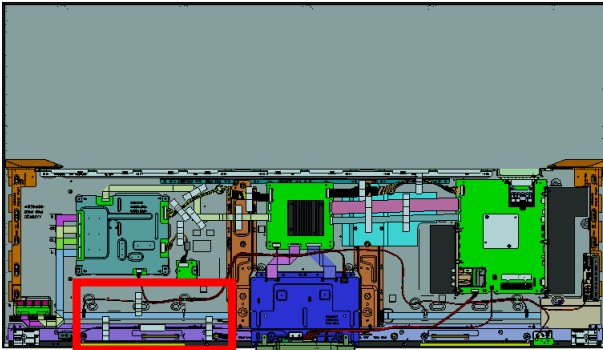


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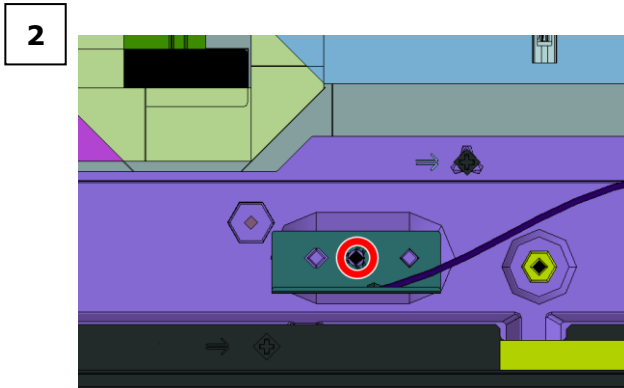
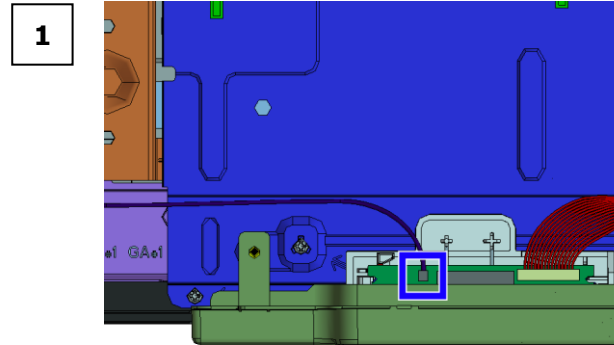
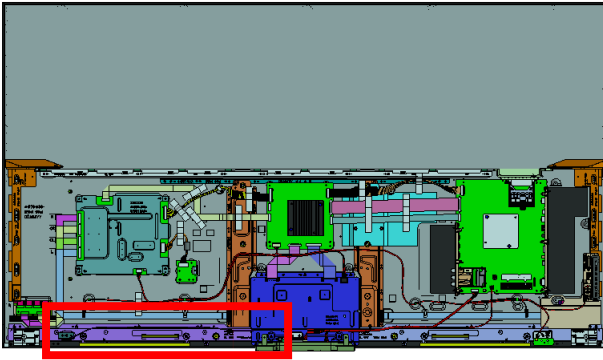
2. XBR-65X930D/935D/937D

2-15. TAPE

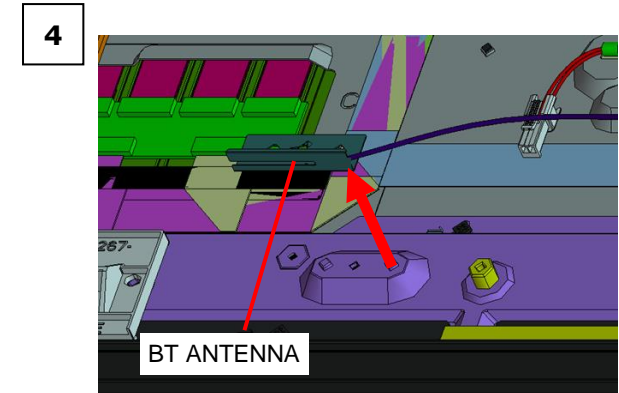
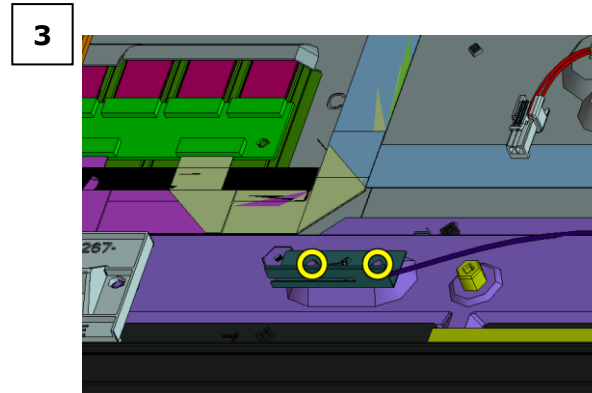


2. XBR-65X930D/935D/937D

2-16. BT ANTENNA

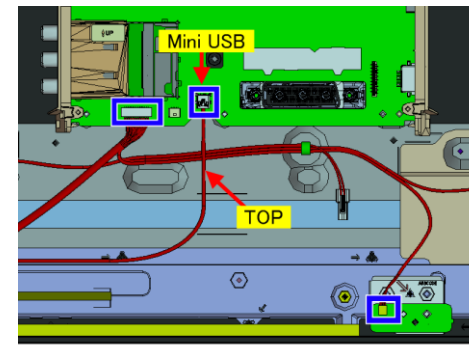
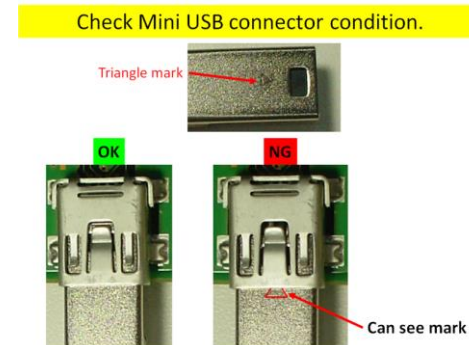
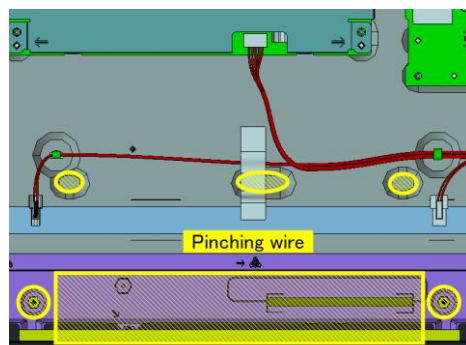
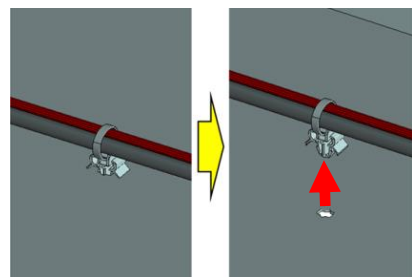
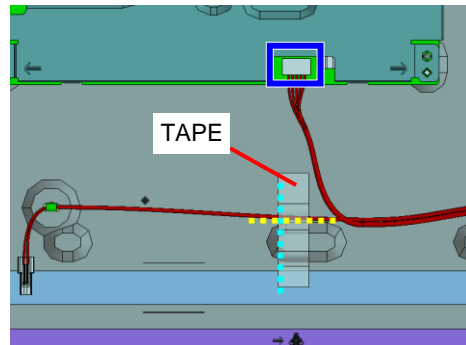
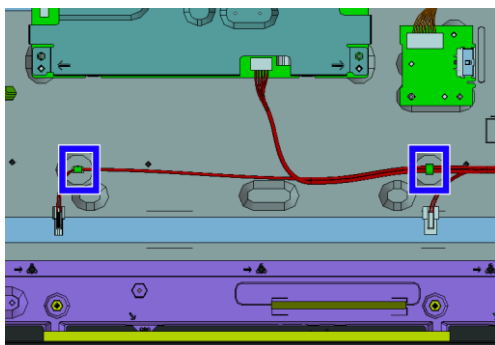
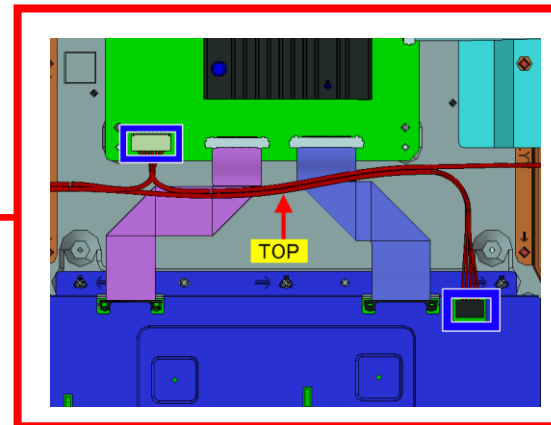
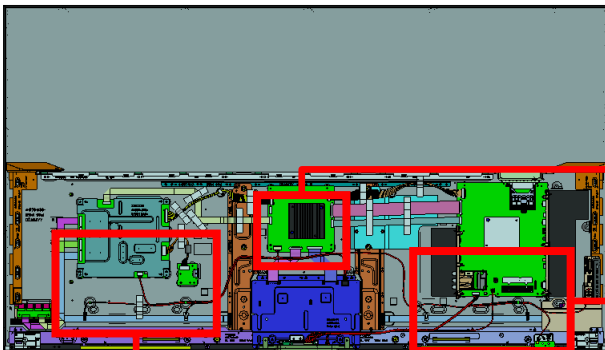


○ Screw (SCREW, +PSW M3X6) P/N: 4-472-518-11



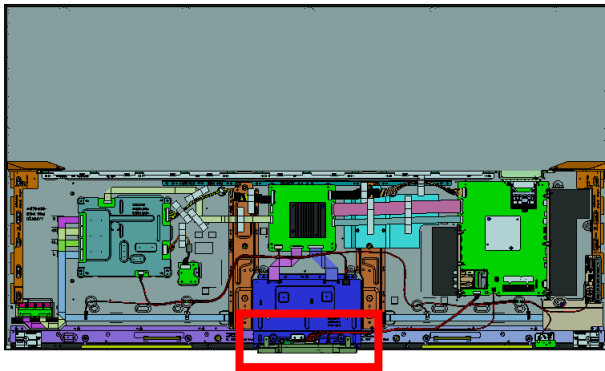
2. XBR-65X930D/935D/937D

2-17. TAPE AND WIRE DRESSING



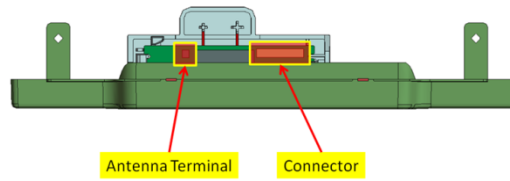
2. XBR-65X930D/935D/937D

2-18. SMART CORE (S)

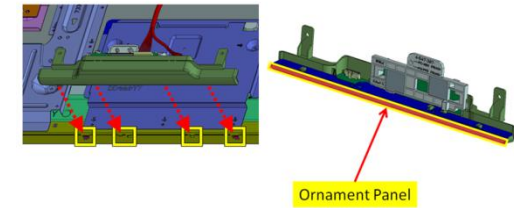


NOTE:

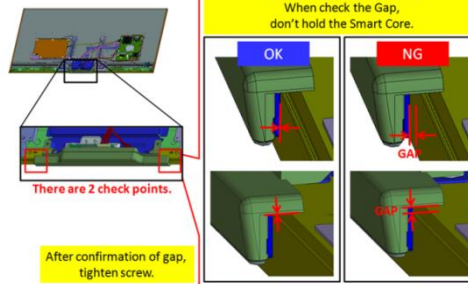
Don't touch these components while installing.



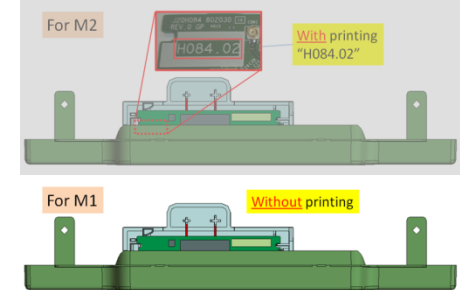
Don't scratch O/P with Bezel while installing.



Confirm Smart Core is assembled properly *before tightening screw* of Smart Core.

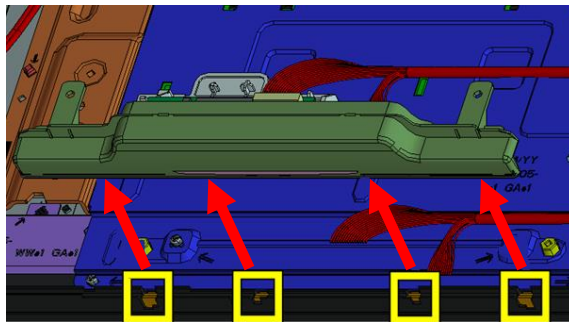


How to distinguish SC for M1 and M2

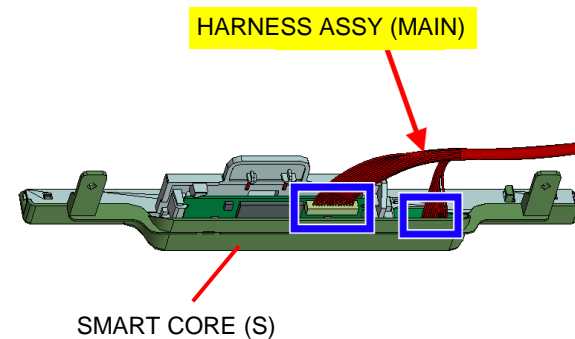


For This Model

1

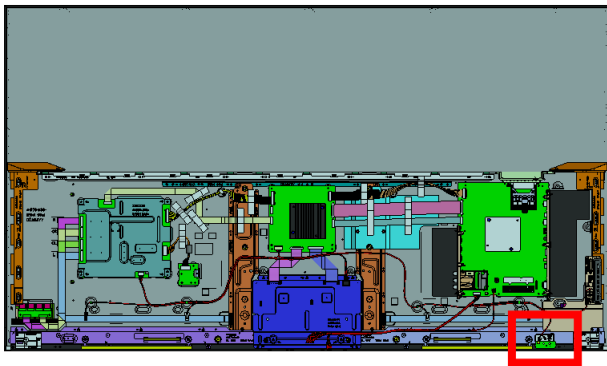


2

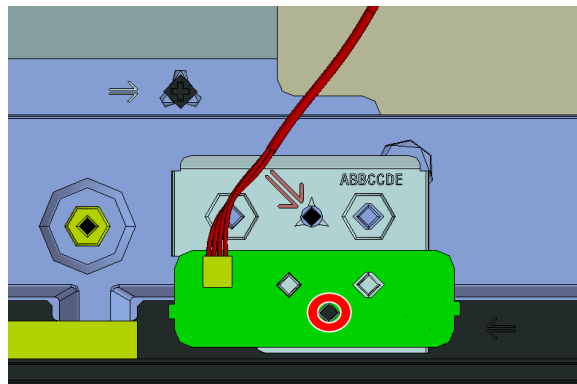


2. XBR-65X930D/935D/937D

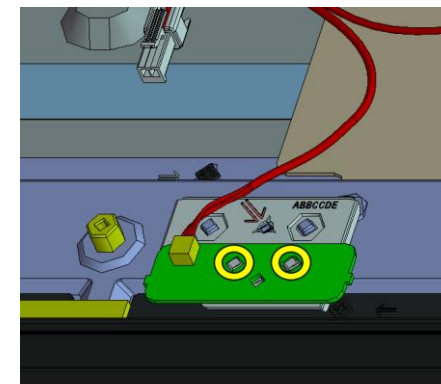
2-19. TSI AND BRACKET, TS



1

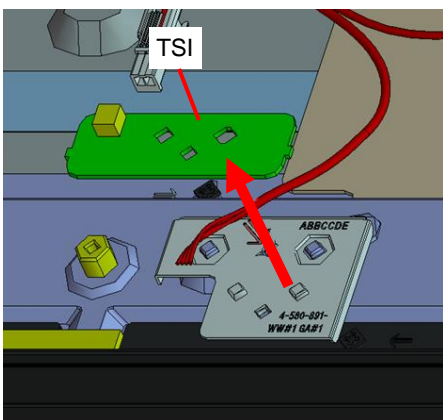


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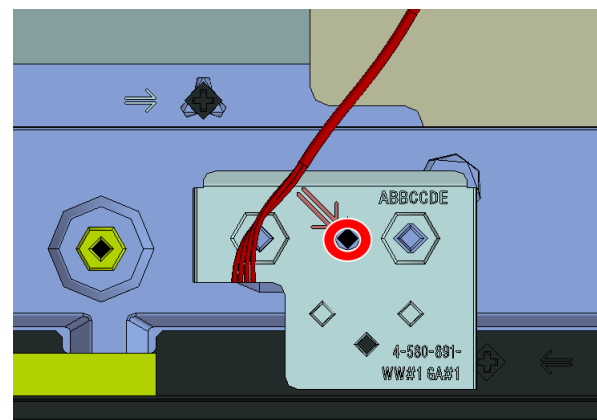


○ Screw (SCREW, +PSW M3X6) P/N: 4-472-518-11

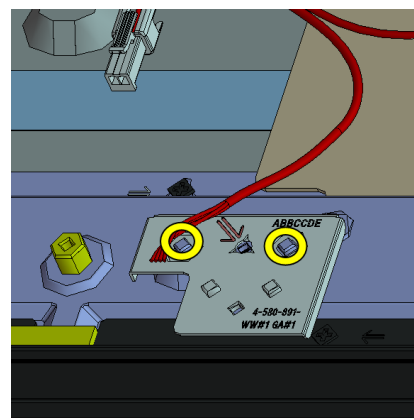
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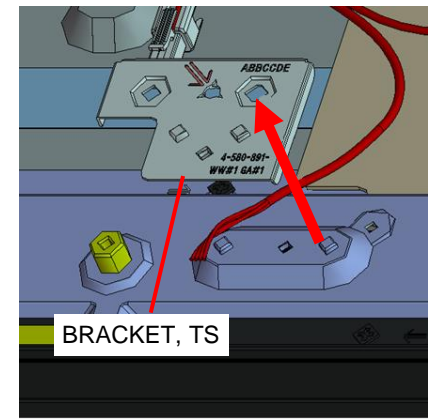
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5



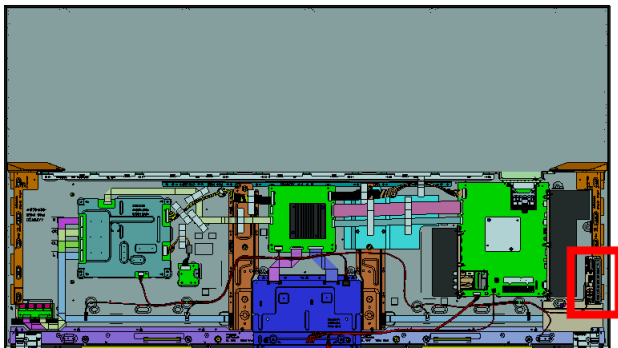
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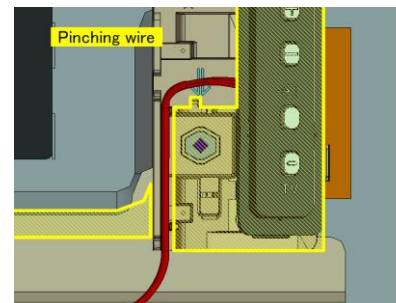
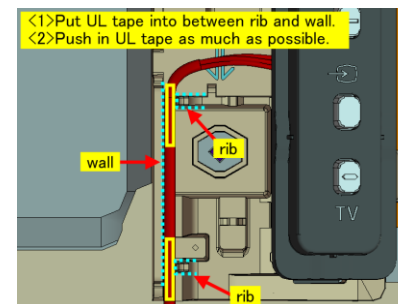
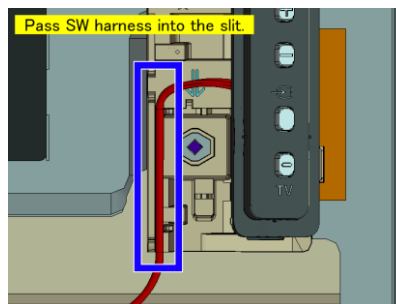
○ Screw (SCREW, +PSW M3X6) P/N: 4-472-518-11

2. XBR-65X930D/935D/937D

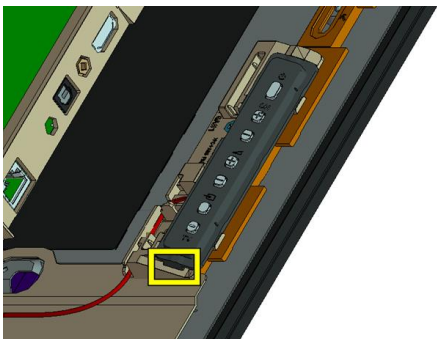
2-20. SWITCH UNIT



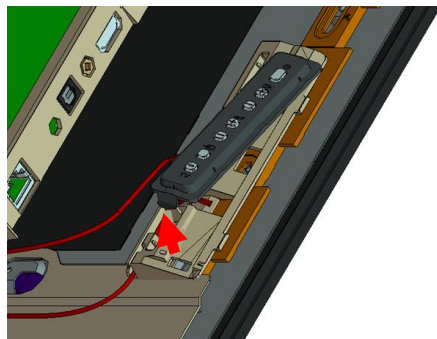
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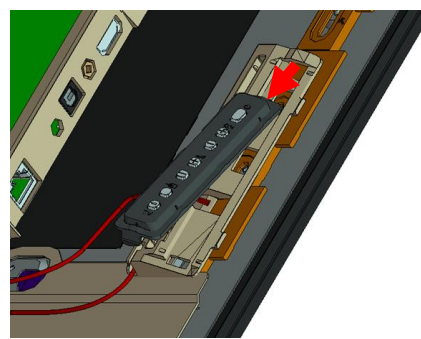
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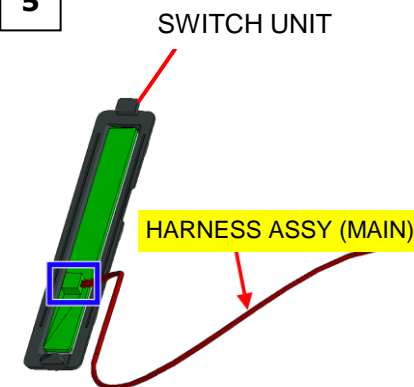
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4

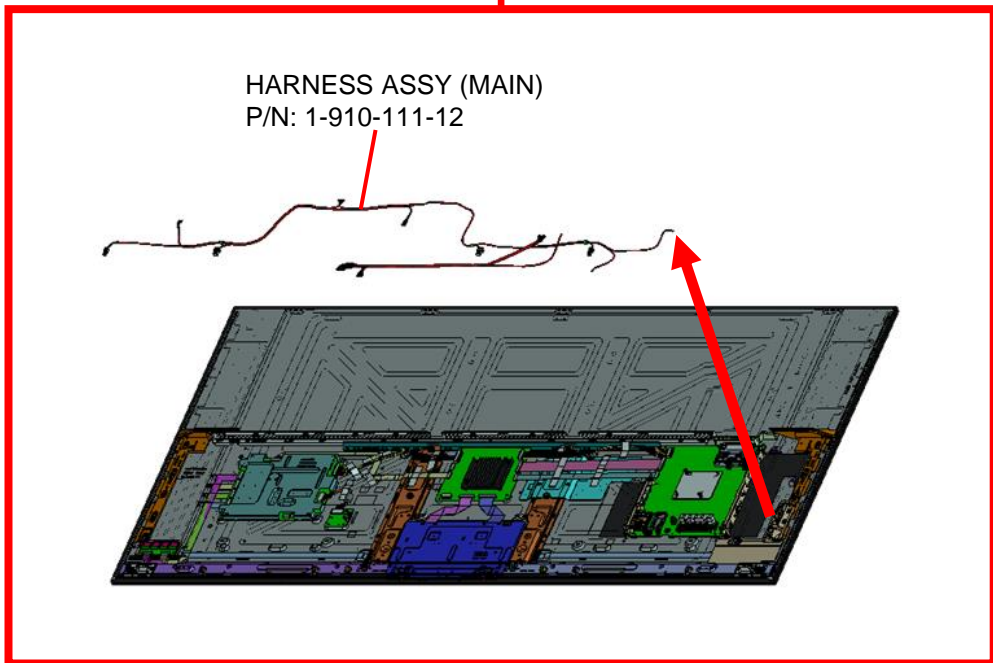
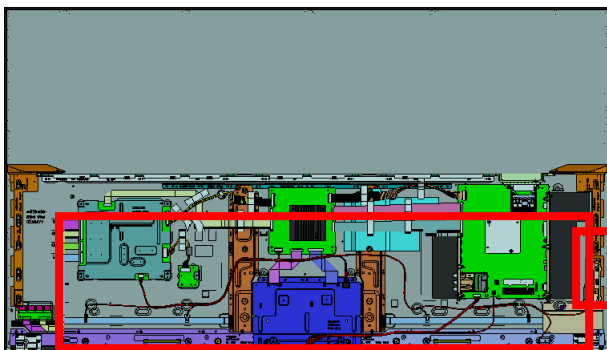


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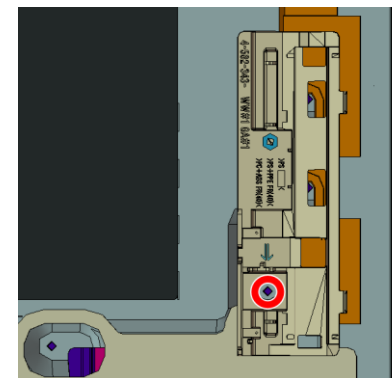


2. XBR-65X930D/935D/937D

2-21. HARNESS ASSY (MAIN) AND HOLDER SIDE SW (GNT L M1)

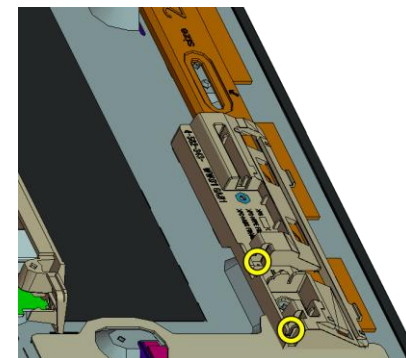


1

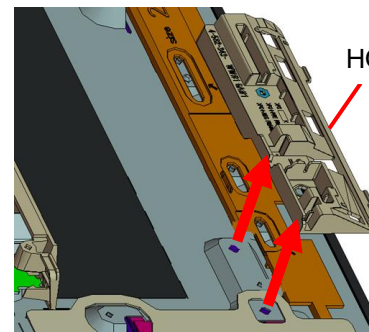


○ Screw (SCREW, +LH M3X2.1 STEP (GNT)) P/N: 4-586-665-01

2



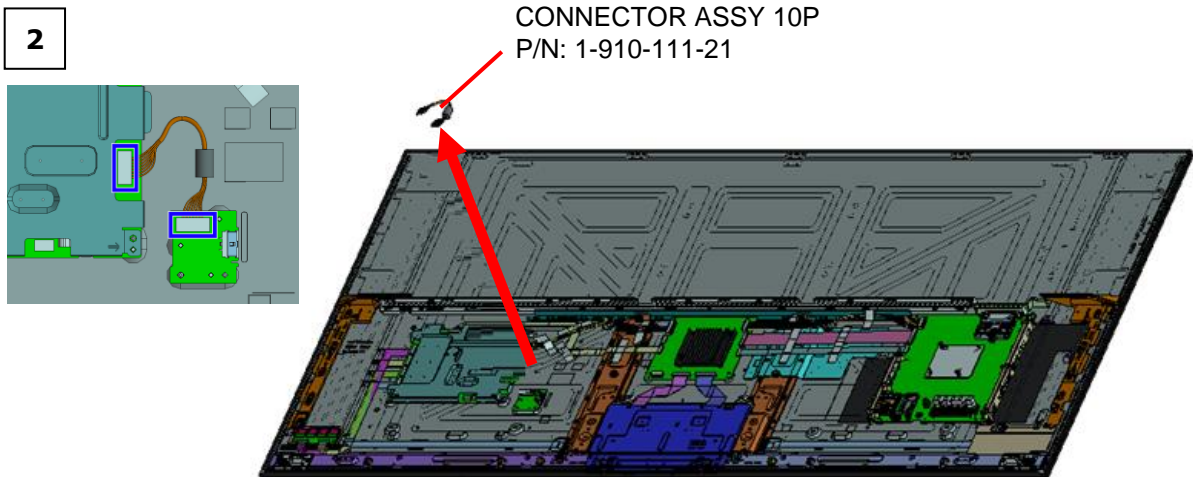
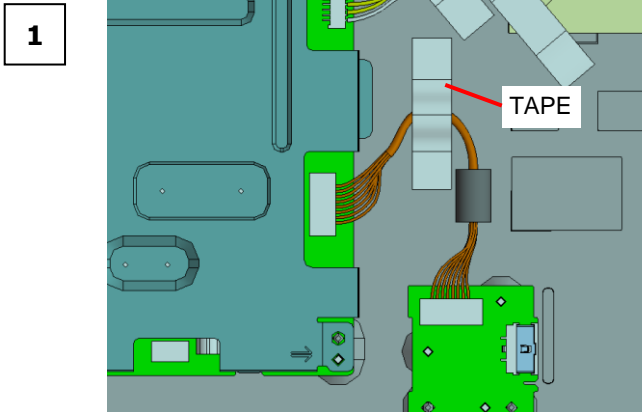
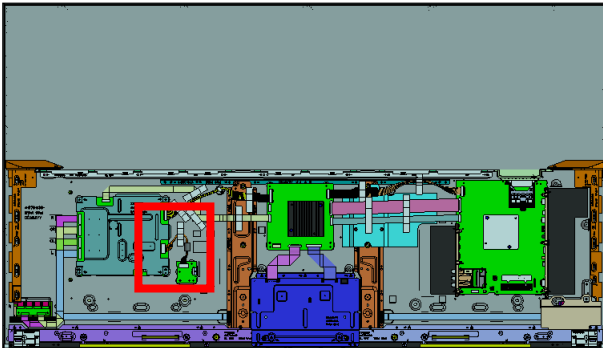
3



HOLDER SIDE SW (GNT L M1)

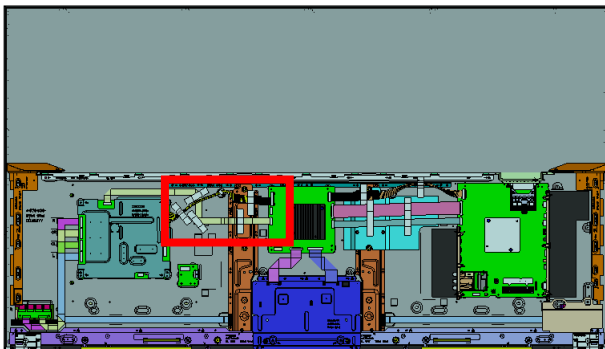
2. XBR-65X930D/935D/937D

2-22. TAPE AND CONNECTOR ASSY 10P

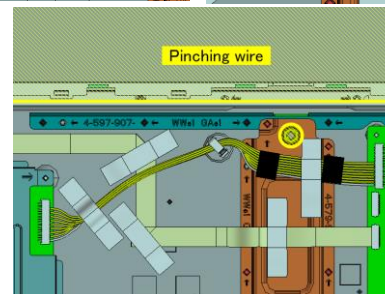
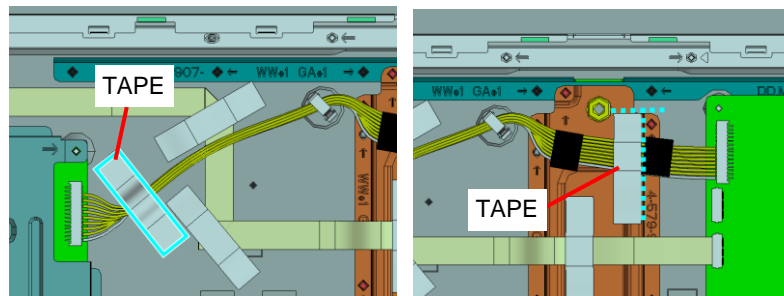


2. XBR-65X930D/935D/937D

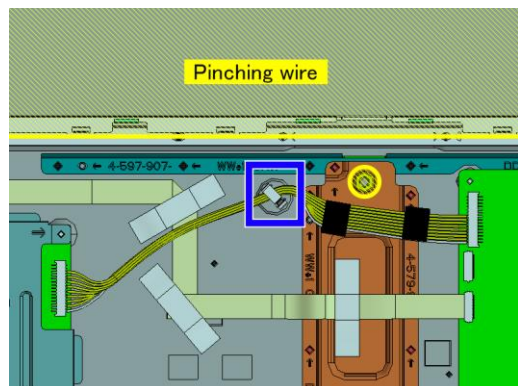
2-23. TAPE AND CONNECTOR ASSY 30P



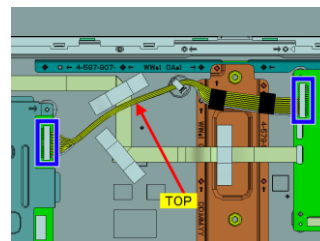
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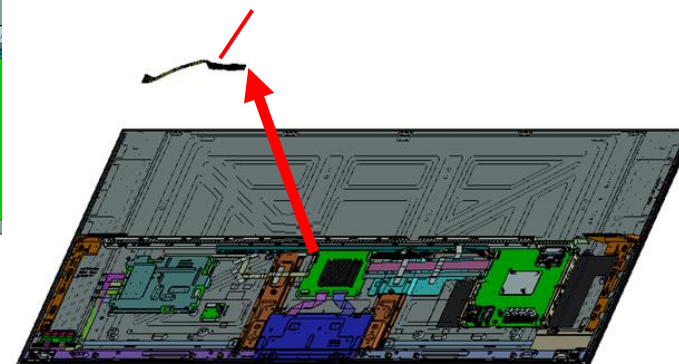
2



3

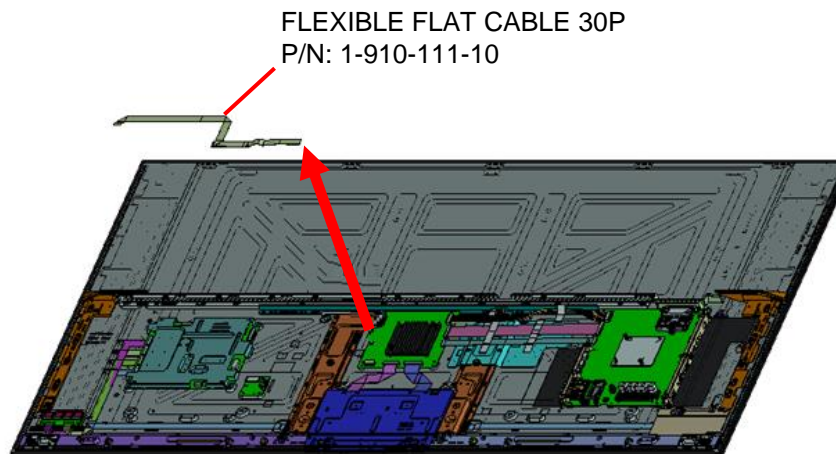
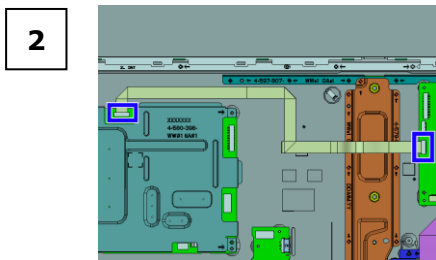
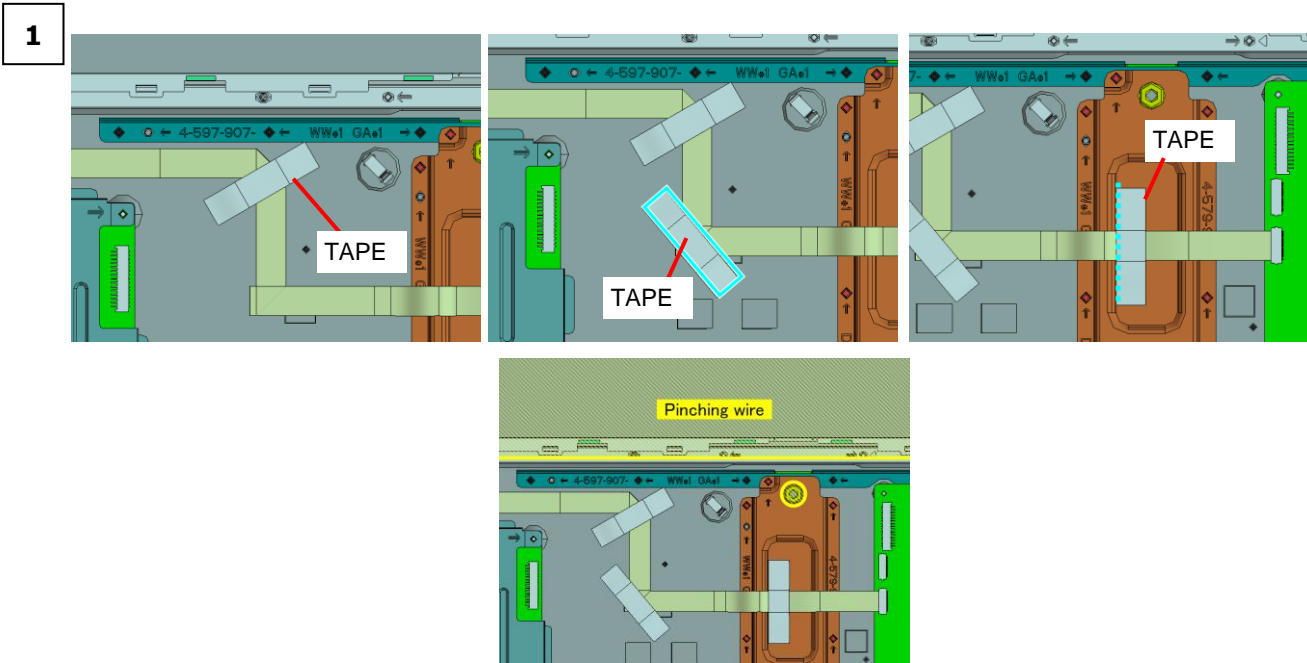
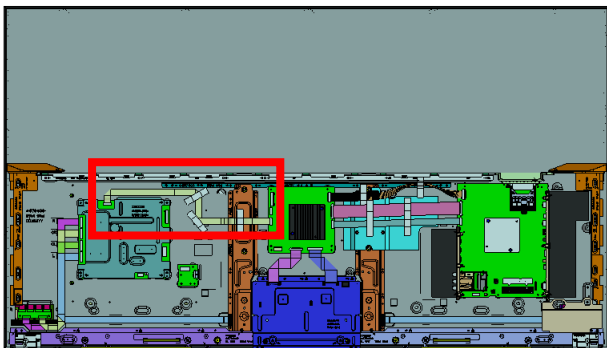


CONNECTOR ASSY 30P
P/N: 1-910-111-08



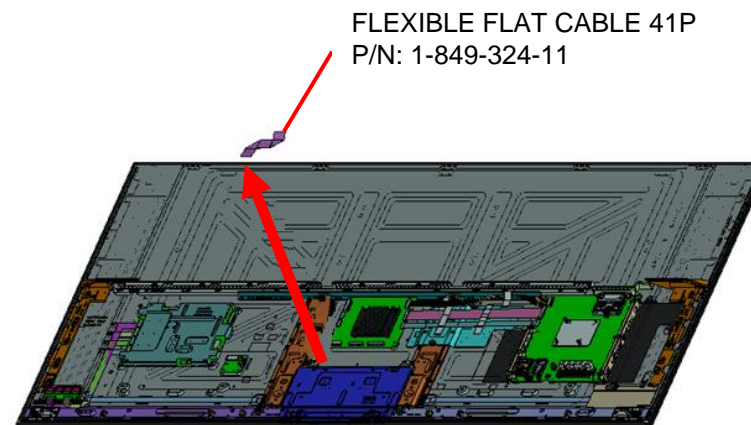
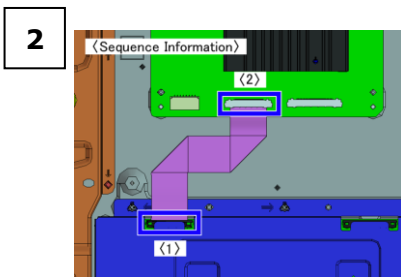
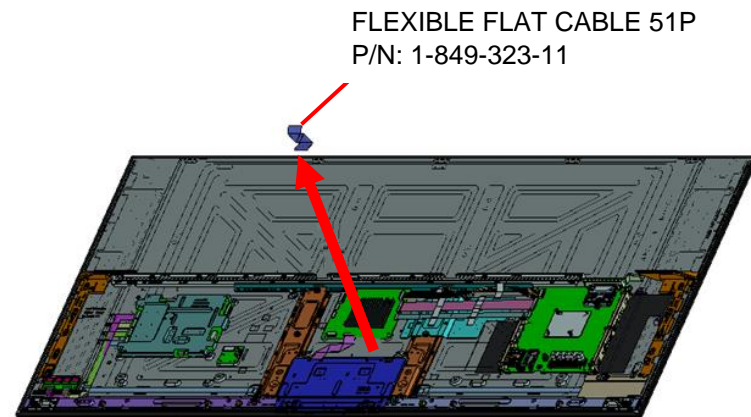
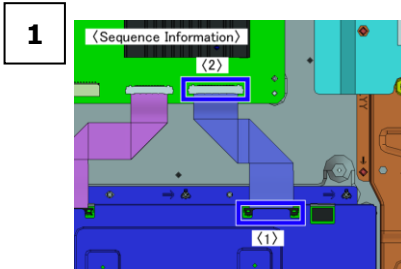
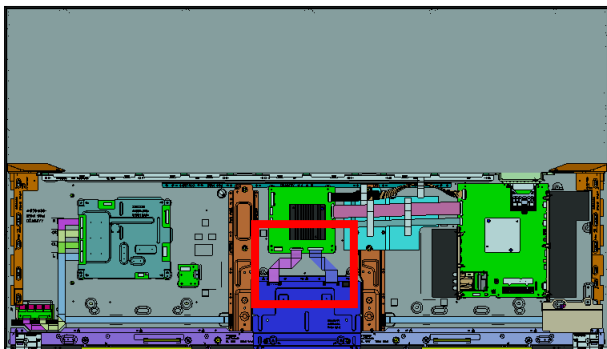
2. XBR-65X930D/935D/937D

2-24. TAPE AND FLEXIBLE FLAT CABLE 30P



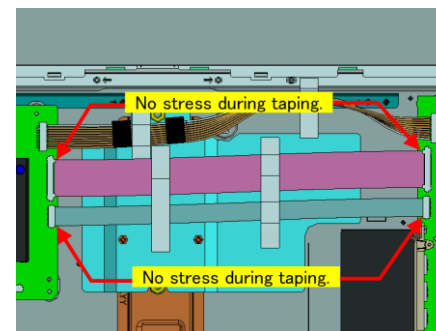
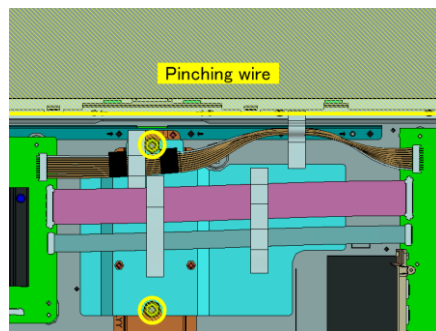
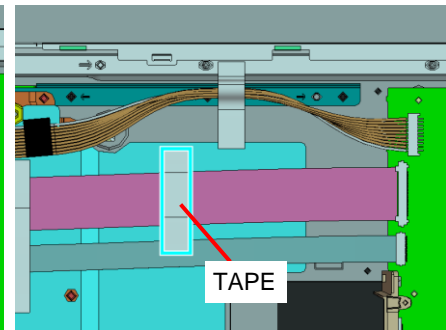
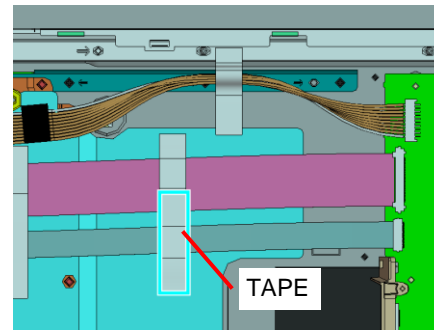
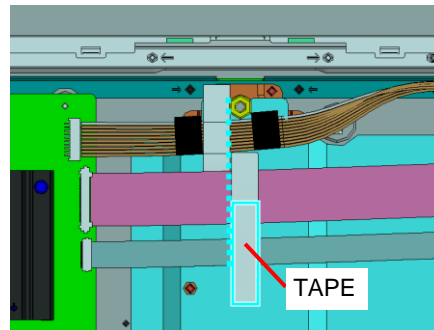
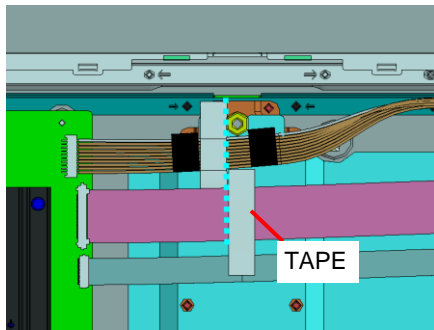
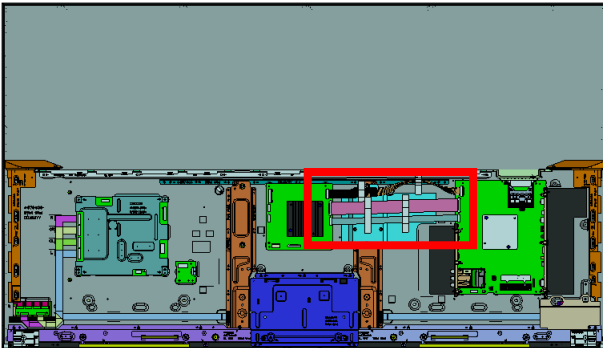
2. XBR-65X930D/935D/937D

2-25. FLEXIBLE FLAT CABLE 51P AND FLEXIBLE FLAT CABLE 41P



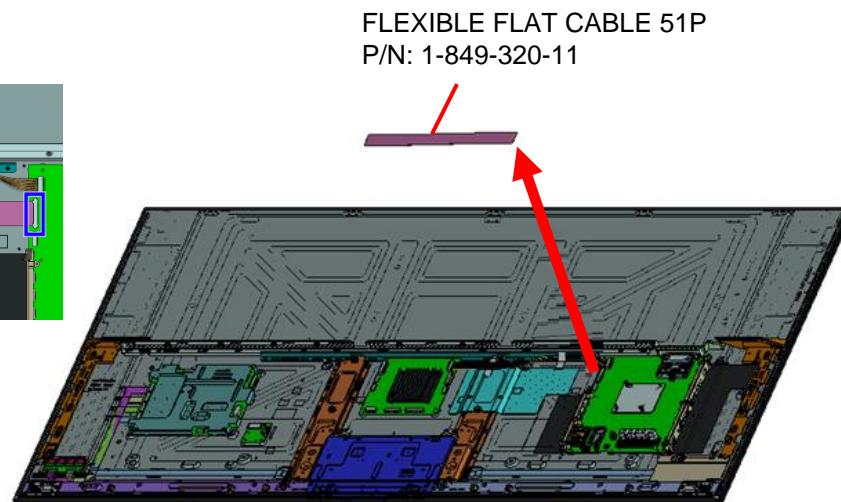
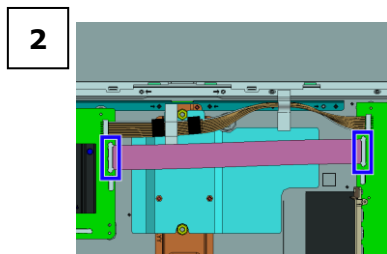
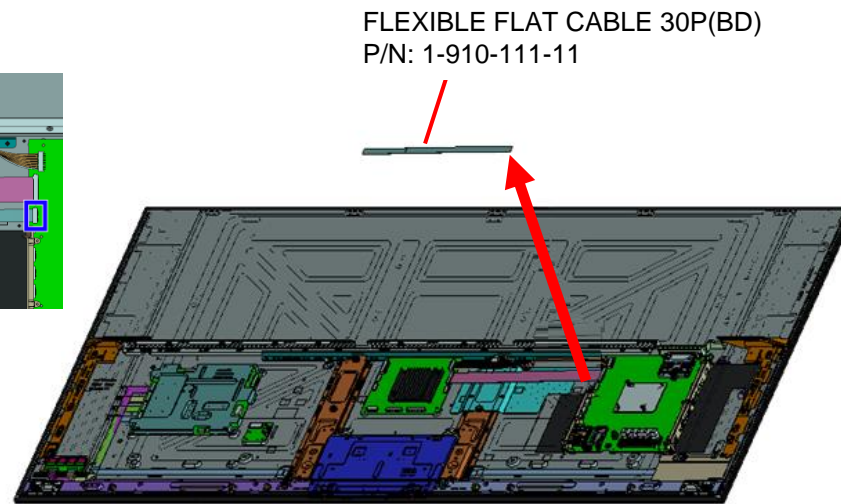
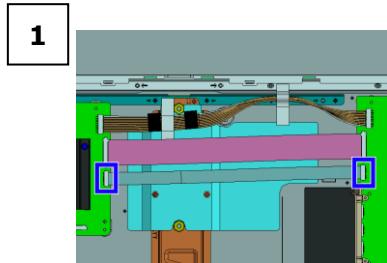
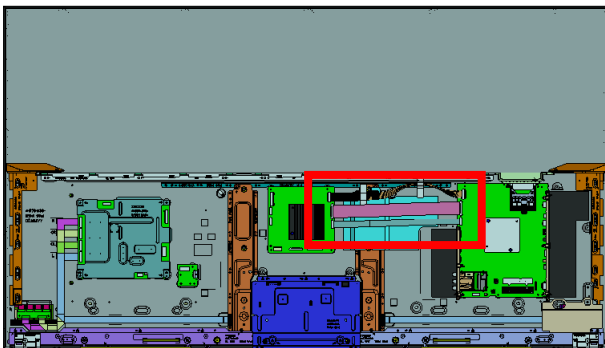
2. XBR-65X930D/935D/937D

2-26. TAPE



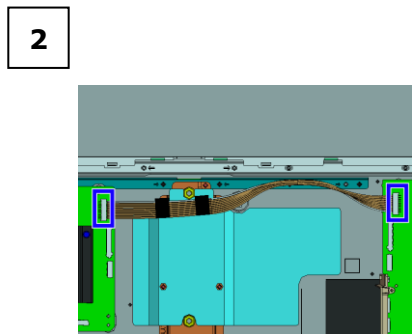
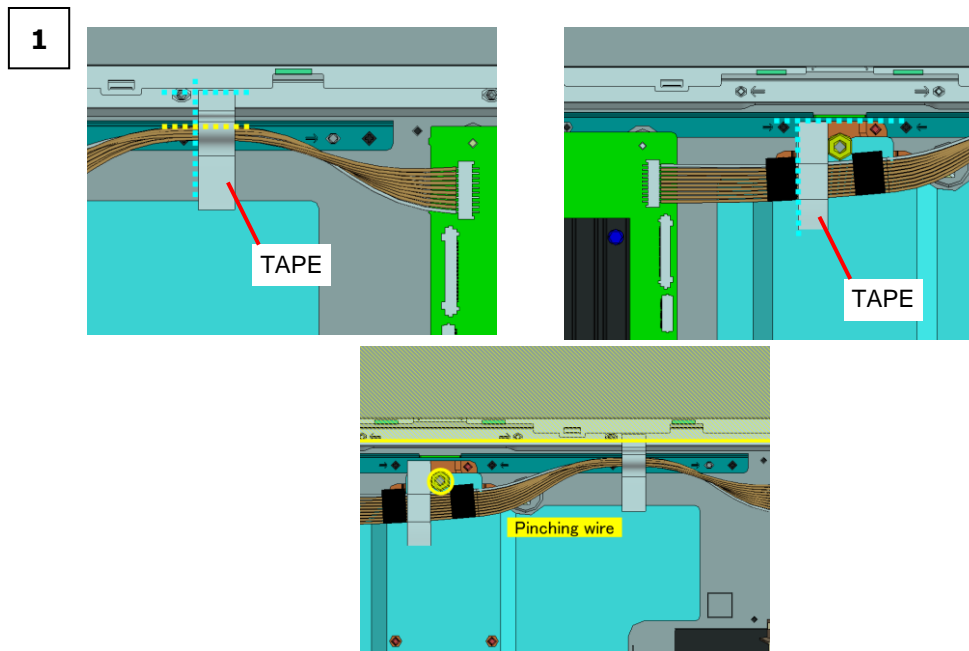
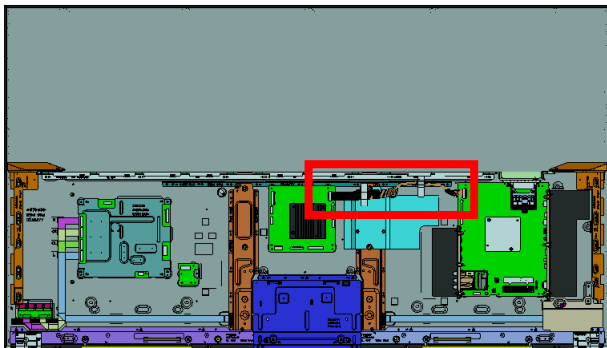
2. XBR-65X930D/935D/937D

2-27. FLEXIBLE FLAT CABLE 30P(BD) AND FLEXIBLE FLAT CABLE 51P

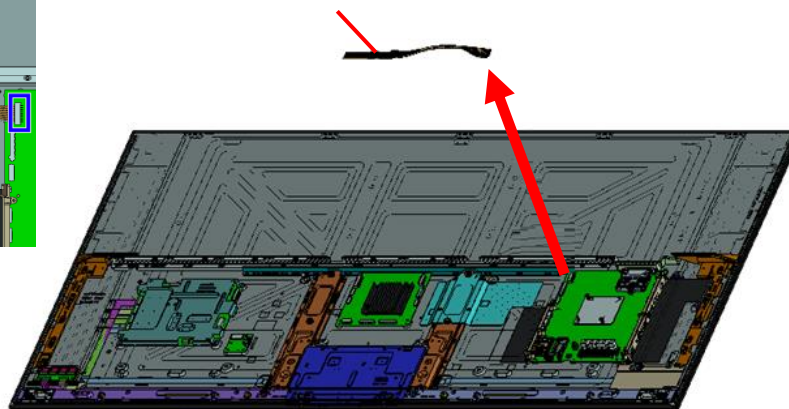


2. XBR-65X930D/935D/937D

2-28. TAPE AND CONNECTOR ASSY 20P

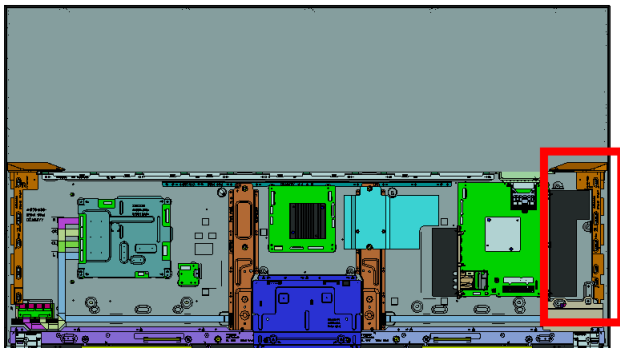


CONNECTOR ASSY 20P
P/N: 1-910-111-14

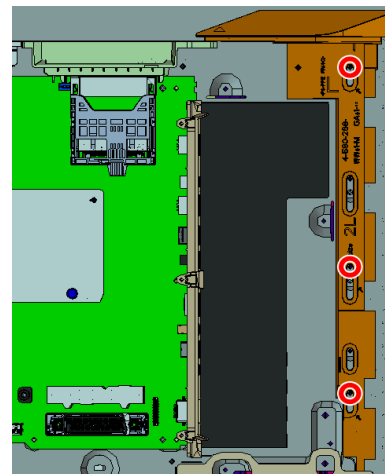


2. XBR-65X930D/935D/937D

2-29. BRACKET, SLIDE (L) (2L GNT)

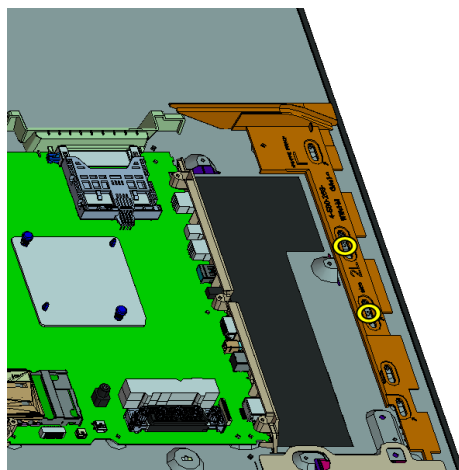


1

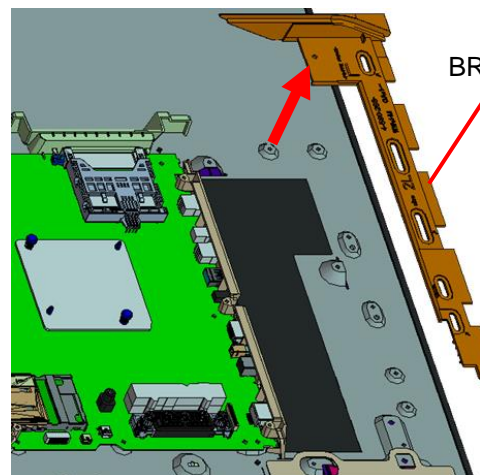


3 screws (SCREW, +LH M3X2.1 STEP (GNT)) P/N: 4-586-665-01

2



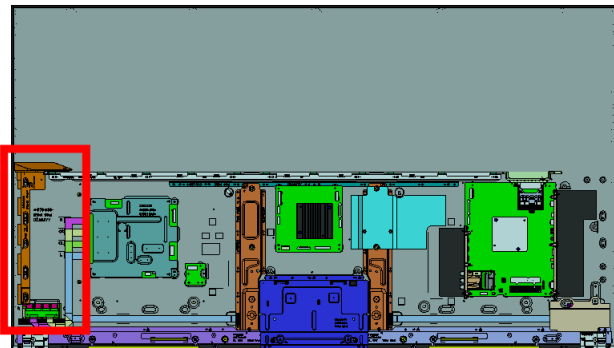
3



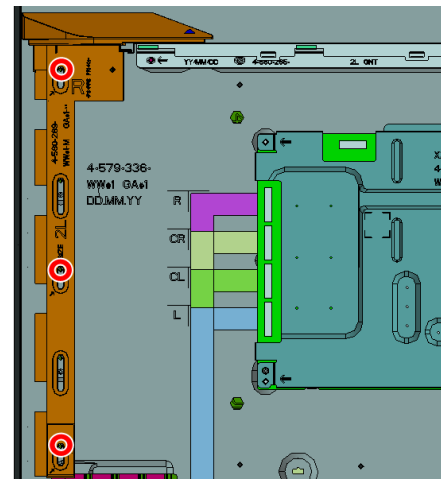
BRACKET, SLIDE (L) (2L GNT)

2. XBR-65X930D/935D/937D

2-30. BRACKET, SLIDE (R) (2L GNT)

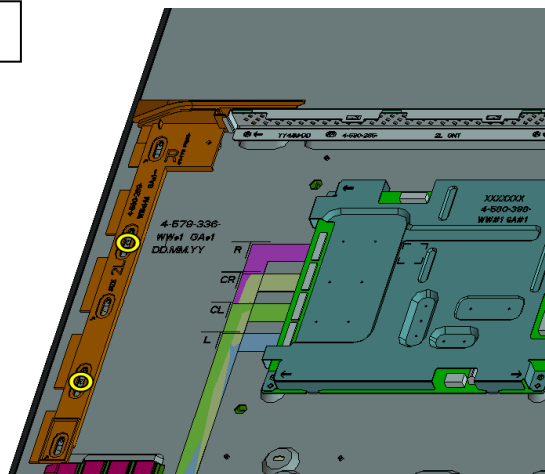


1

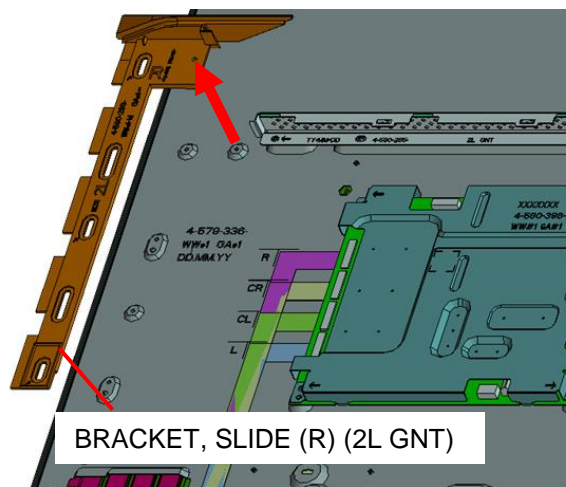


3 screws (SCREW, +LH M3X2.1 STEP (GNT)) P/N: 4-586-665-01

2

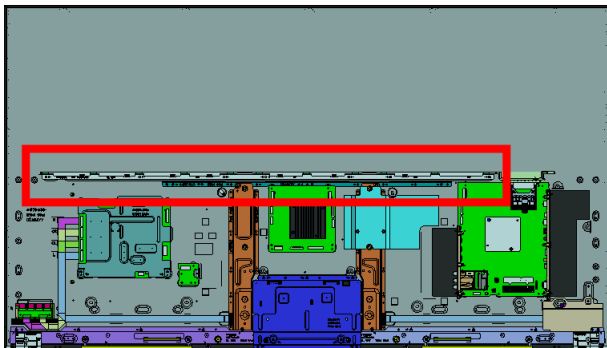


3

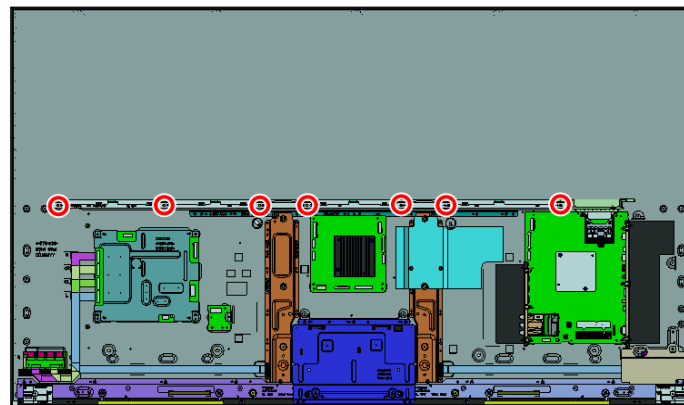


2. XBR-65X930D/935D/937D

2-31. TOP COVER (2L GNT)

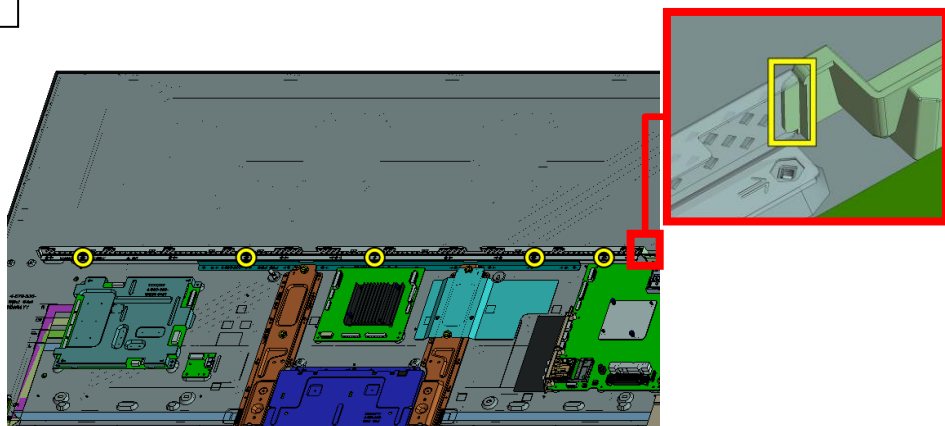


1



○ 7 screws (SCREW, +PSW M3X6) P/N: 4-472-518-11

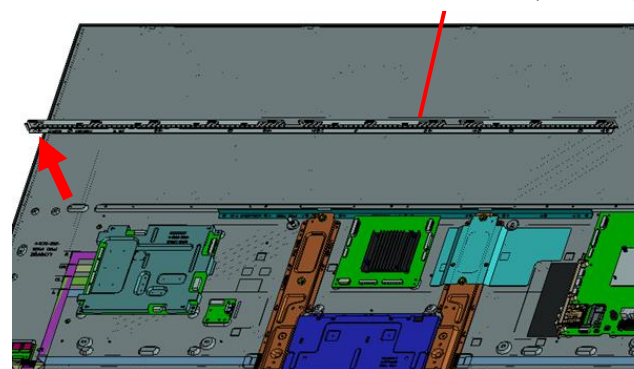
2



3

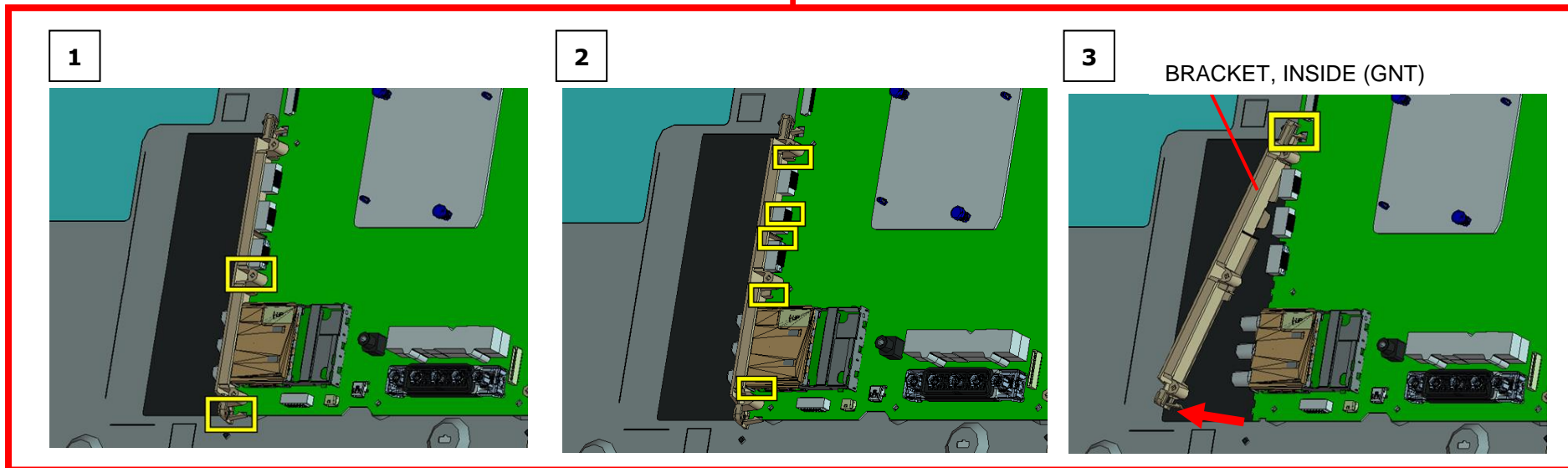
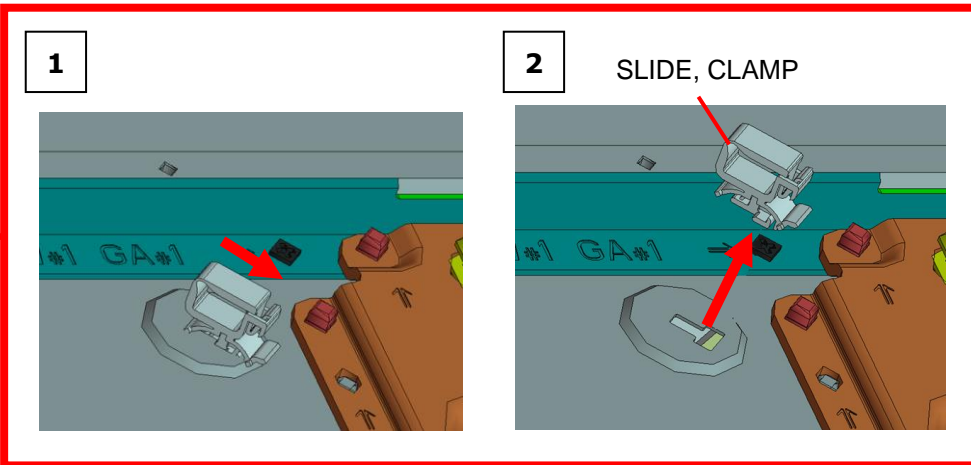
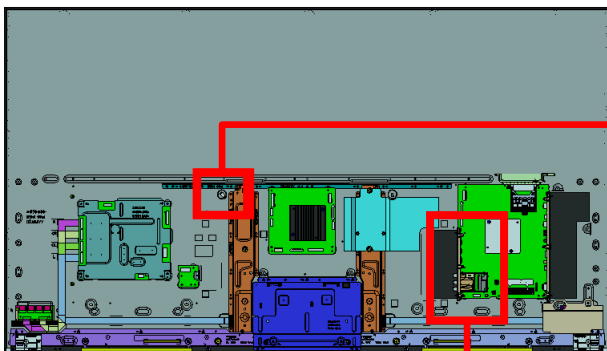
Don't scratch panel.

TOP COVER (2L GNT)



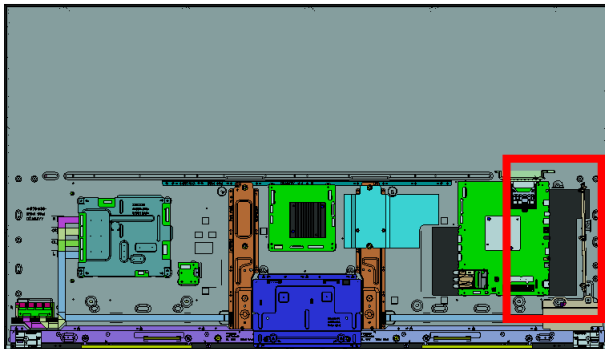
2. XBR-65X930D/935D/937D

2-32. SLIDE, CLAMP AND BRACKET, INSIDE (GNT)

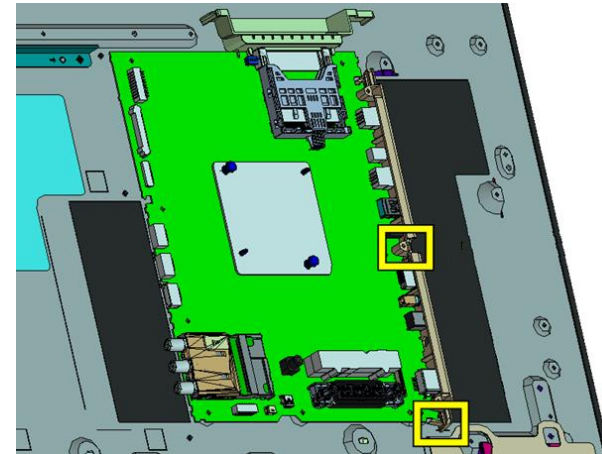


2. XBR-65X930D/935D/937D

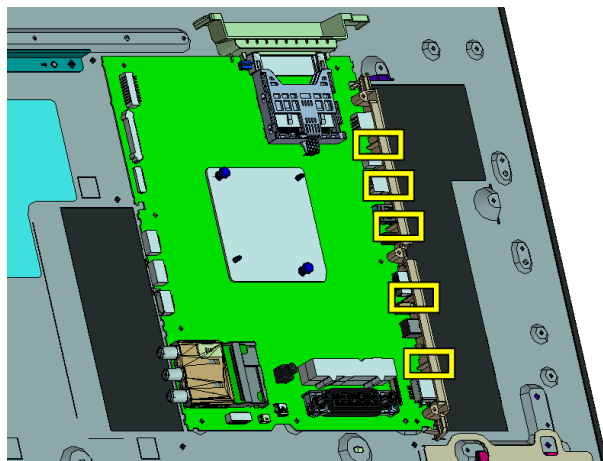
2-33. BRACKET, SIDE (GNT)



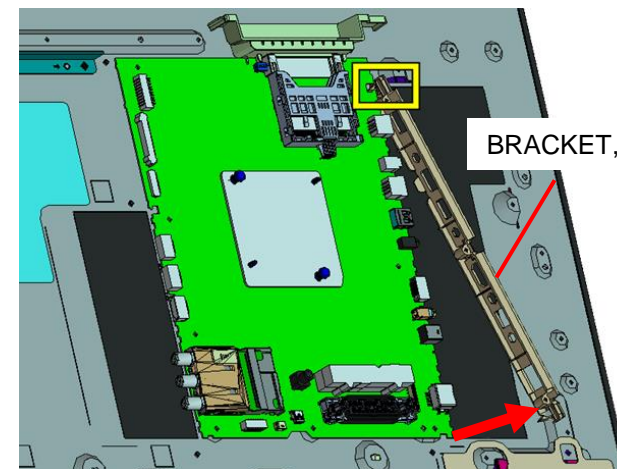
1



2

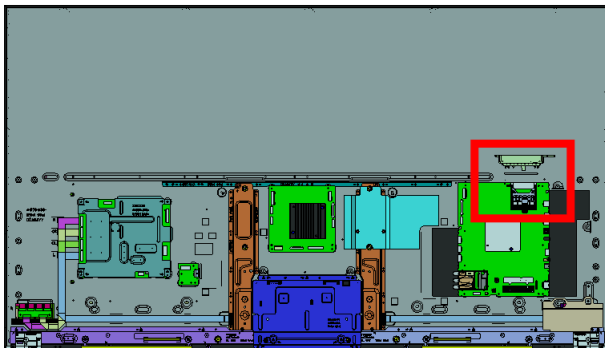


3

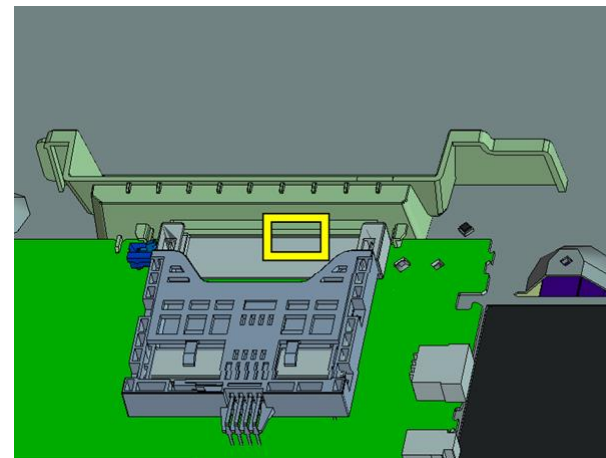


2. XBR-65X930D/935D/937D

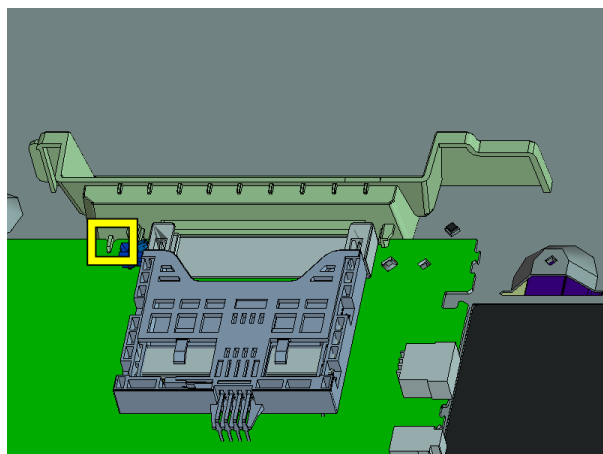
2-34. BRACKET, TOP (GNT)



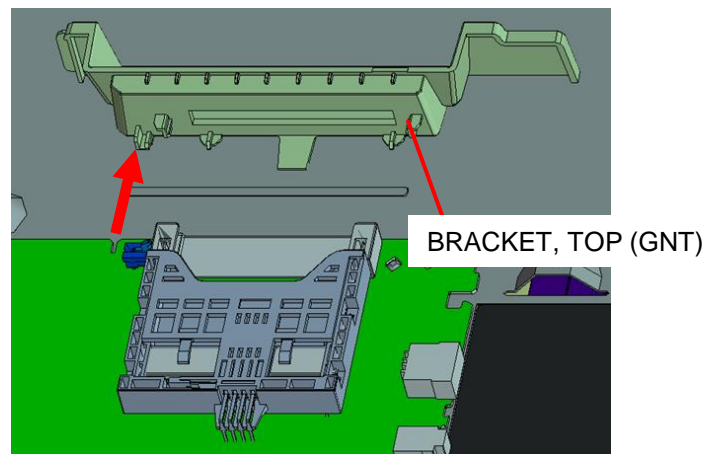
1



2

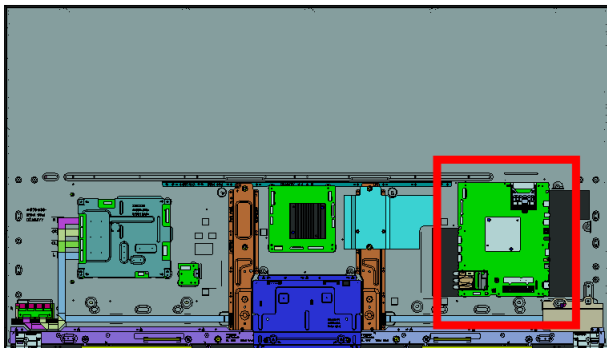


3

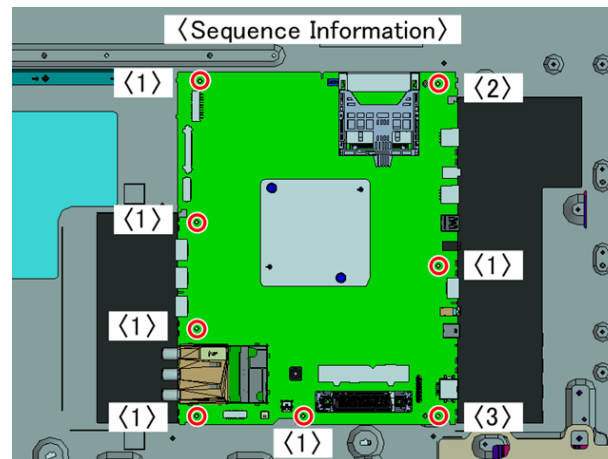


2. XBR-65X930D/935D/937D

2-35. BM1

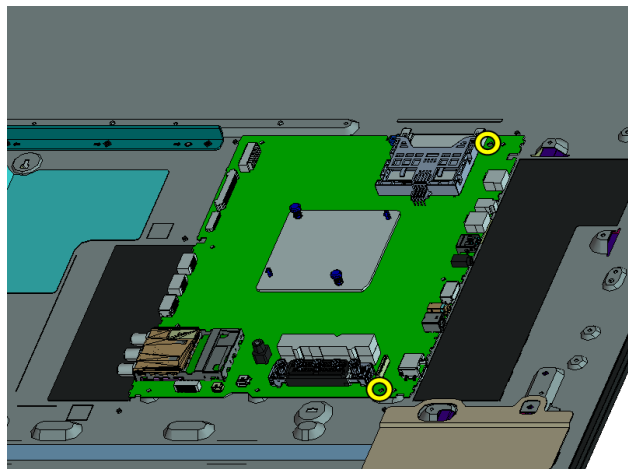


1

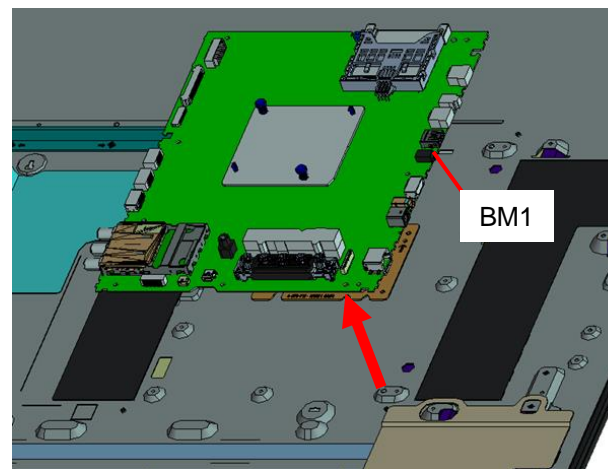


8 screws (SCREW, +PSW M3X6) P/N: 4-472-518-11

2

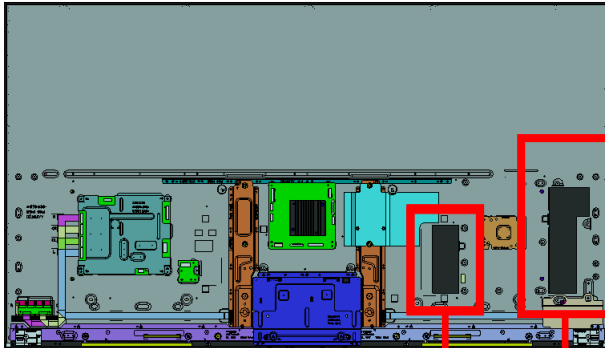


3

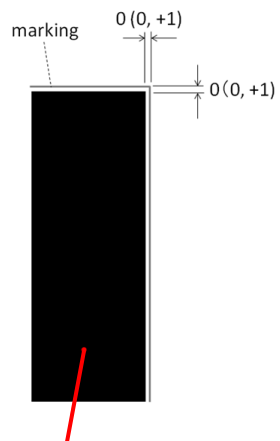


2. XBR-65X930D/935D/937D

2-36. LABEL, INSIDE TERMINAL (GNT) AND LABEL, SIDE TERMINAL (GNT)

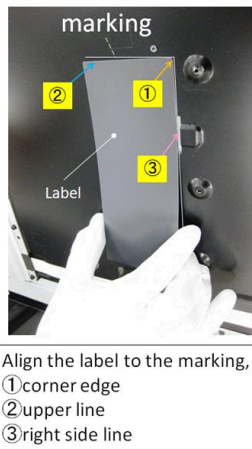


When you do panel replacement,
please also replace this part at the same time to a new one.

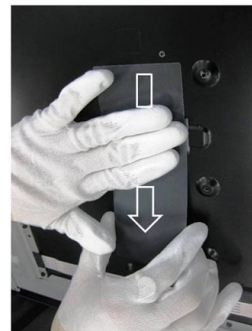


LABEL, INSIDE TERMINAL (GNT)

Caution: Don't damage to LABEL. Scratch, deform, dirty etc....

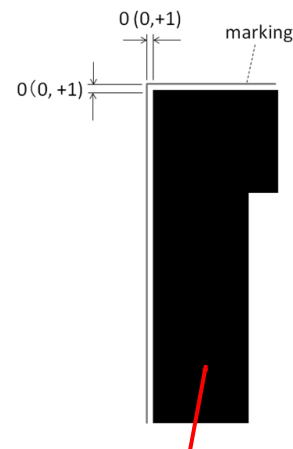


Align the label to the marking,
①corner edge
②upper line
③right side line



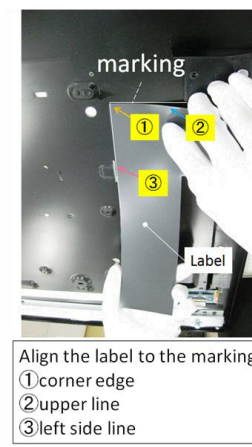
To prevent bubbles from entering,
Please stroked the label from the
top side to bottom side.

When you do panel replacement,
please also replace this part at the same time to a new one.

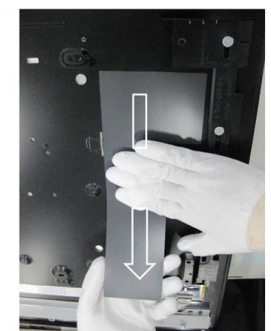


LABEL, SIDE TERMINAL (GNT)

Caution: Don't damage to LABEL. Scratch, deform, dirty etc....



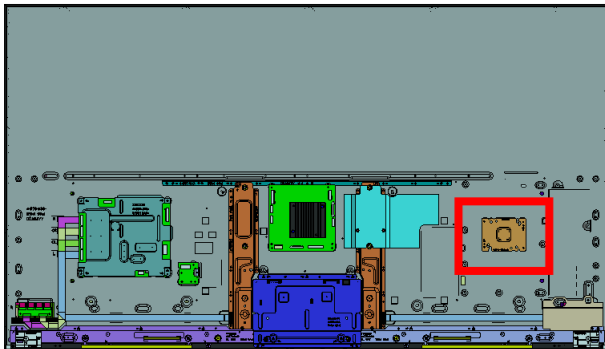
Align the label to the marking,
①corner edge
②upper line
③left side line



To prevent bubbles from entering,
Please stroked the label from the
top side to bottom side.

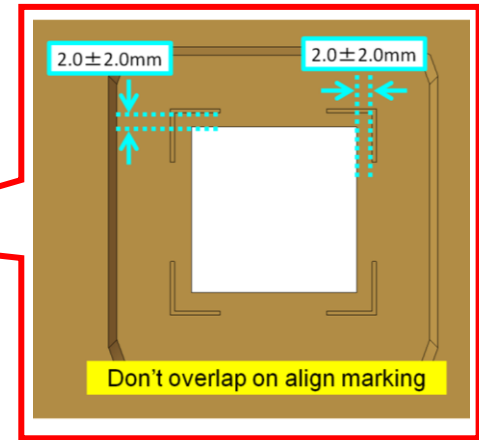
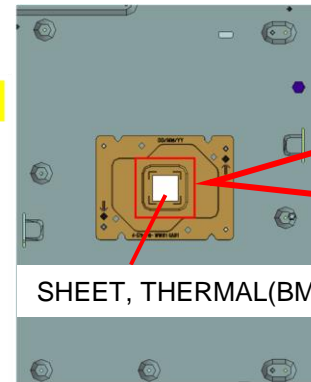
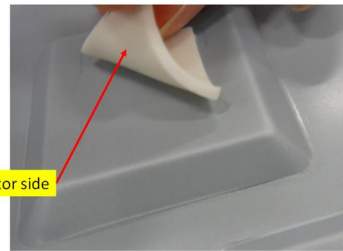
2. XBR-65X930D/935D/937D

2-37. SHEET, THERMAL(BM) AND PLATE, MAIN S (GNT L)

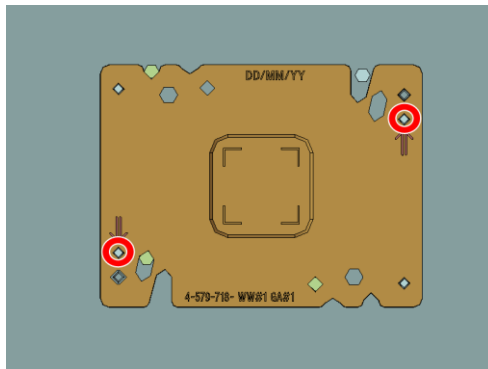


1

Be careful the side of SHEET THERMAL.



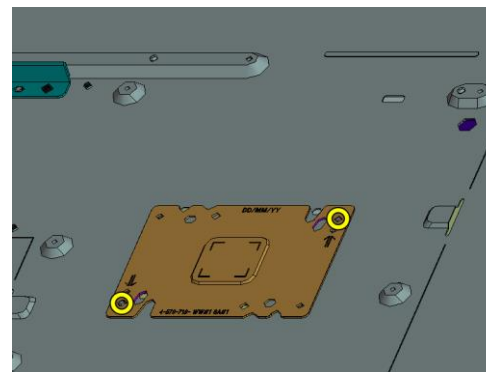
2



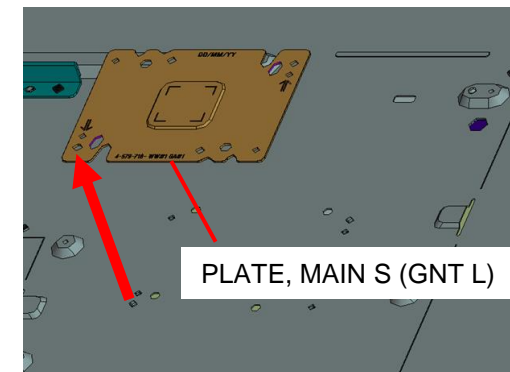
○ 2 screws (SCREW, +LH M3X3 (CRN)) P/N: 4-549-168-01

Note:
Screw for securing "PLATE, MAIN S (GNT)" is Low Head Type.
And it has a "Cross Recess #1".
So, please prepare #1 bit Screw Driver for this operation.

3

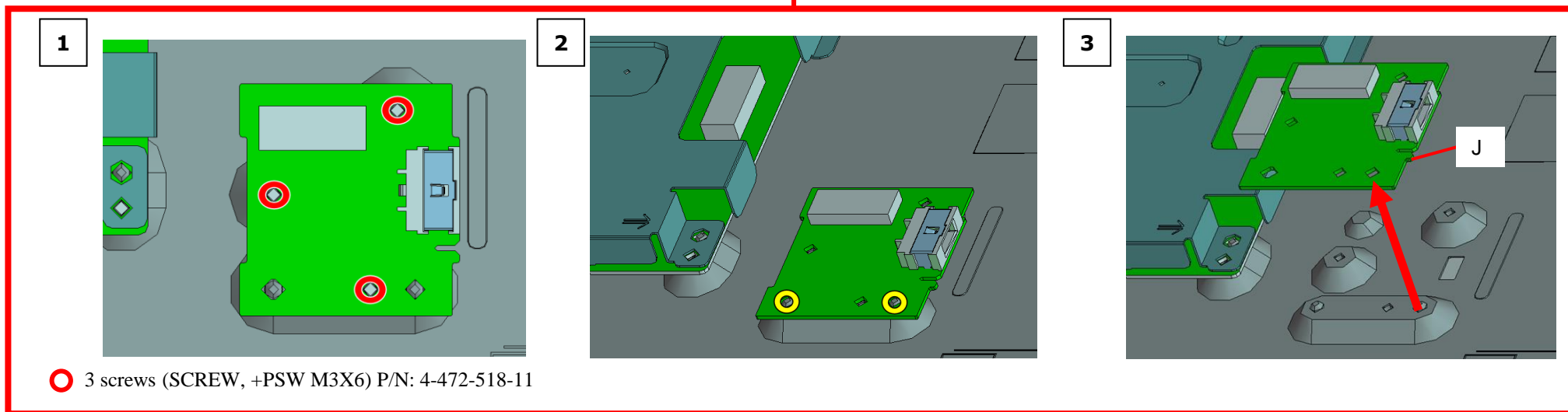
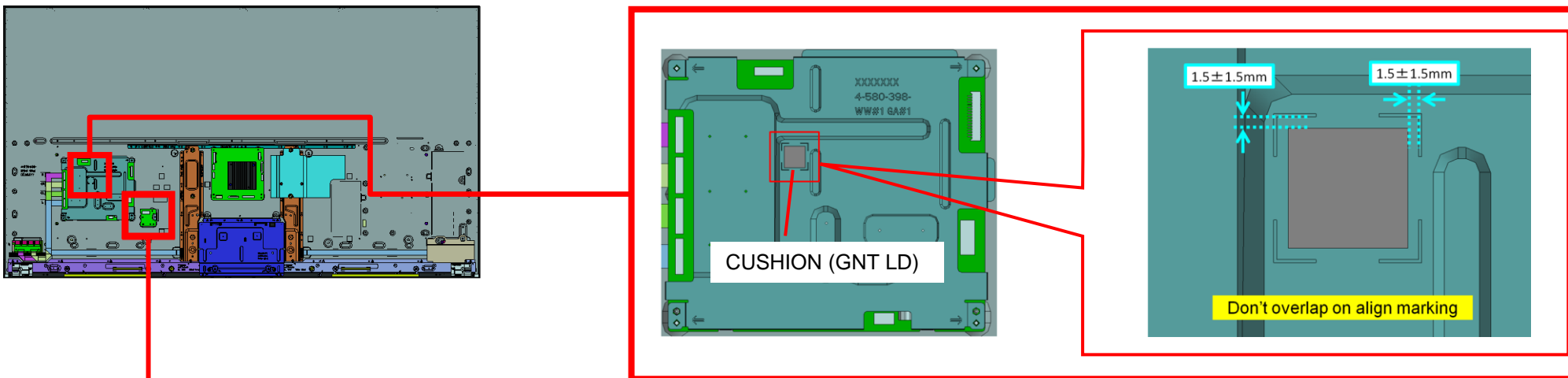


4



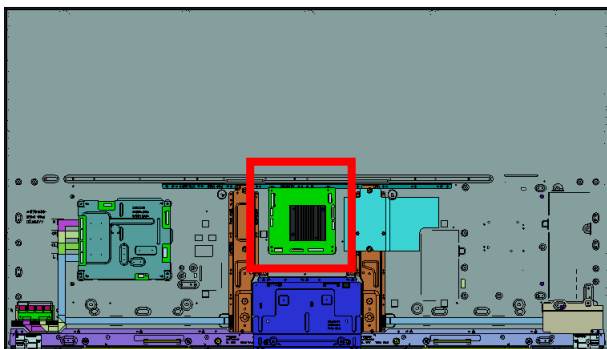
2. XBR-65X930D/935D/937D

2-38. CUSHION (GNT LD) AND J

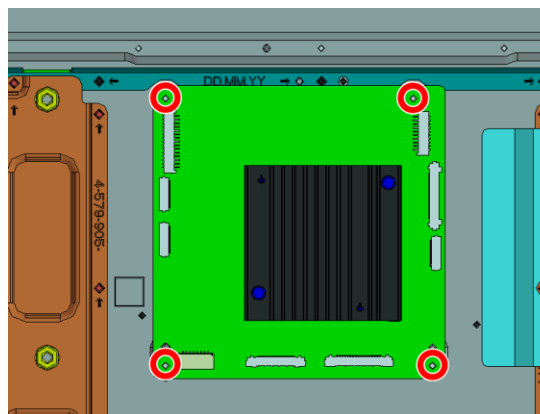


2. XBR-65X930D/935D/937D

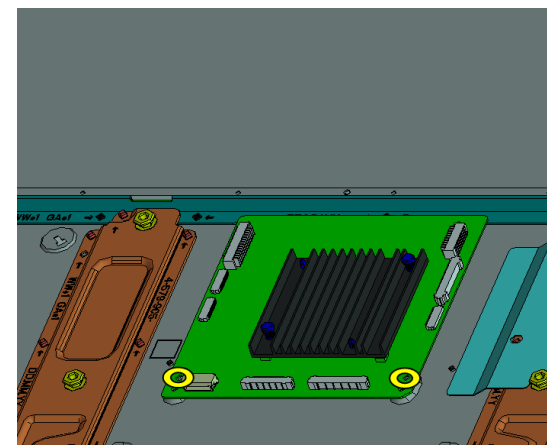
2-39. DPS AND SHEET, THERMAL (BAF)



1

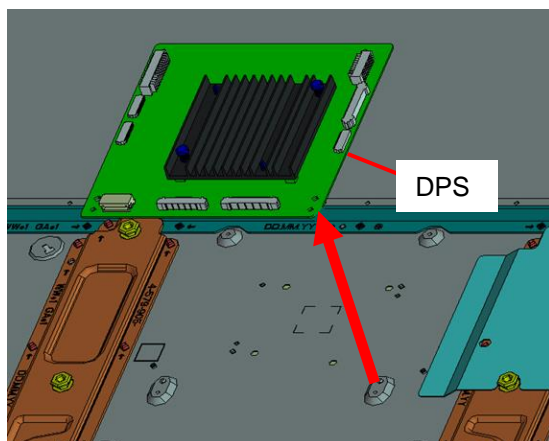


2

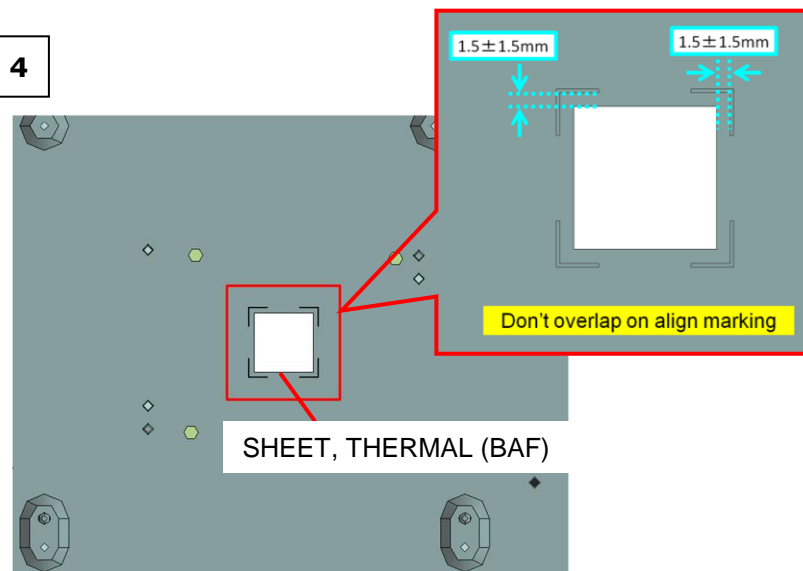


○ 4 screws (SCREW, +PSW M3X6) P/N: 4-472-518-11

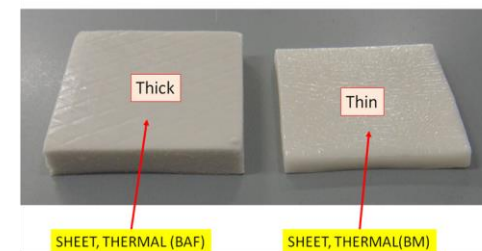
3



4

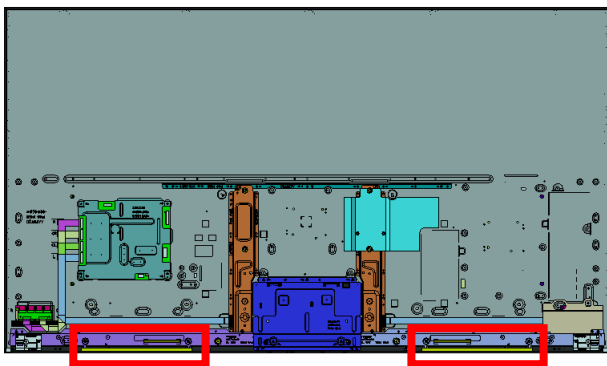


Don't confuse the (BAF) and (BM).

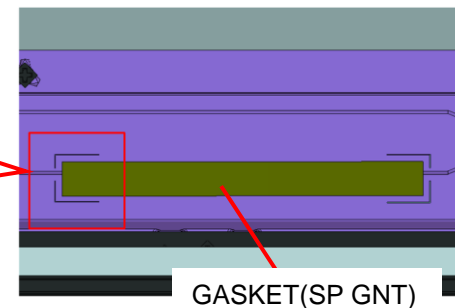
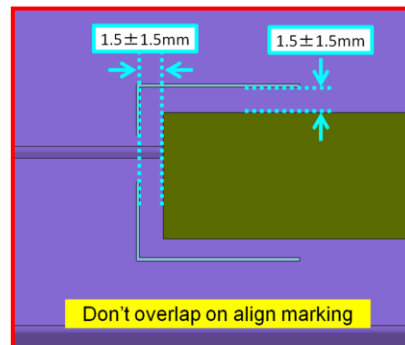


2. XBR-65X930D/935D/937D

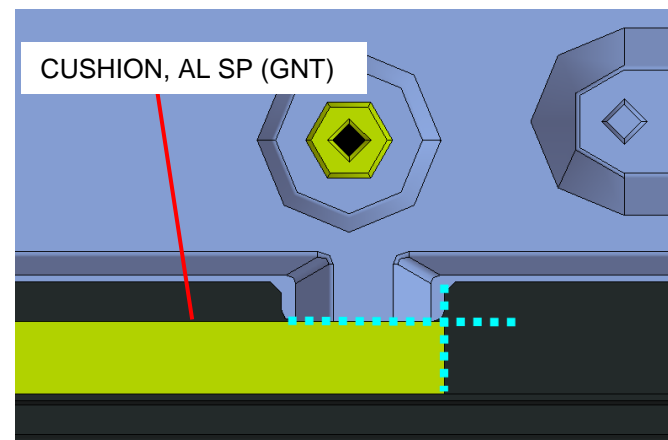
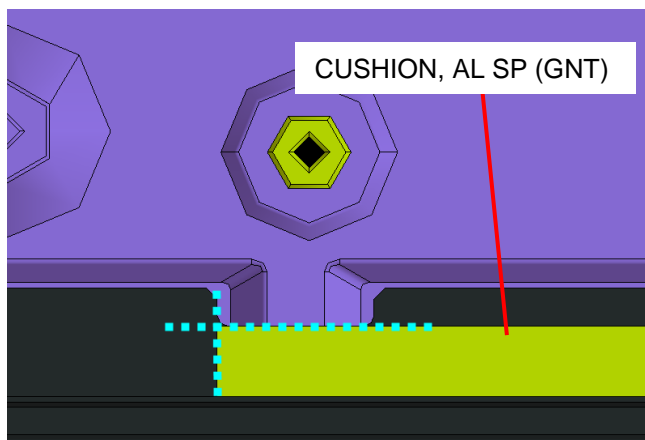
2-40. GASKET(SP GNT) AND CUSHION, AL SP (GNT)



1



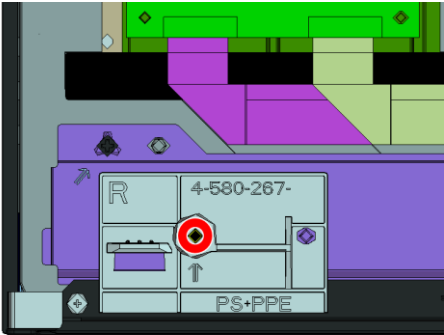
2



2. XBR-65X930D/935D/937D

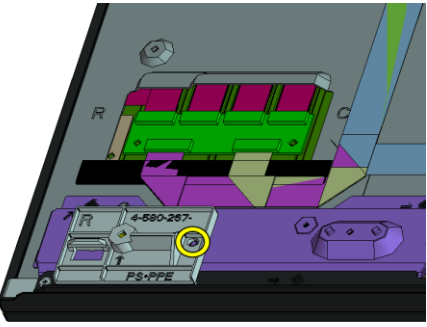
2-41. BRACKET, HOOK (L) (GNT) AND BRACKET, HOOK (R) (GNT)

1

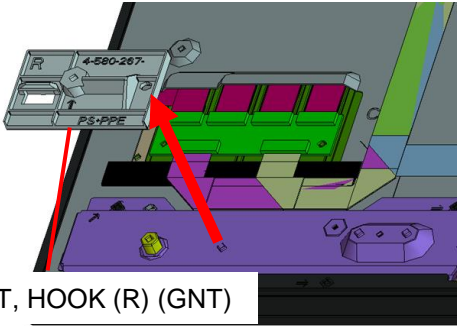


○ Screw (SCREW, +PSW M3X6) P/N: 4-472-518-11

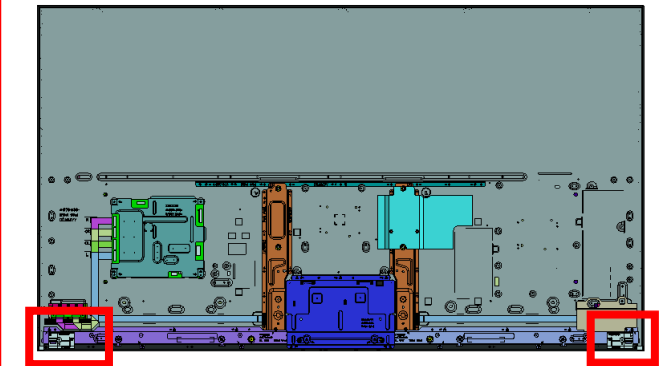
2




3



BRACKET, HOOK (R) (GNT)

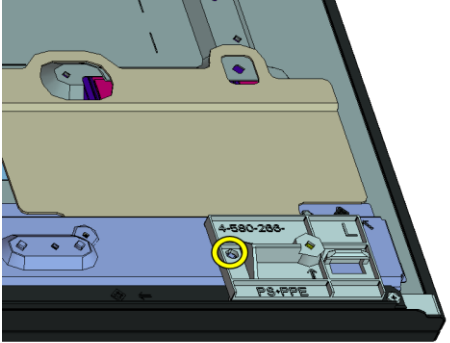


1

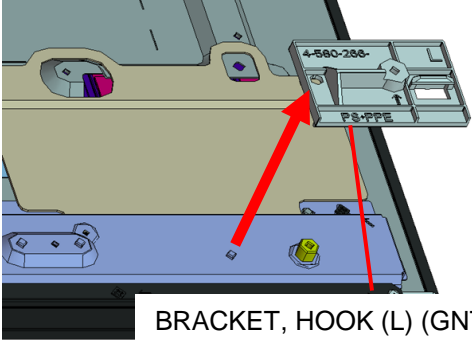


○ Screw (SCREW, +PSW M3X6) P/N: 4-472-518-11

2



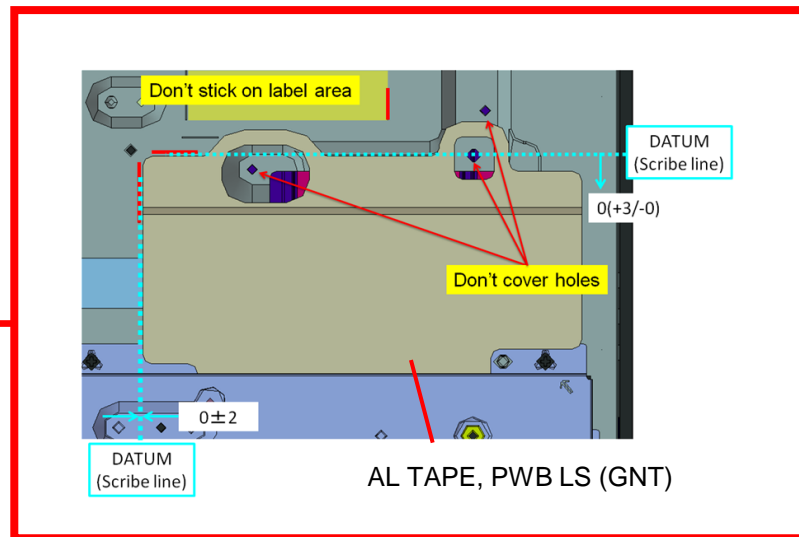
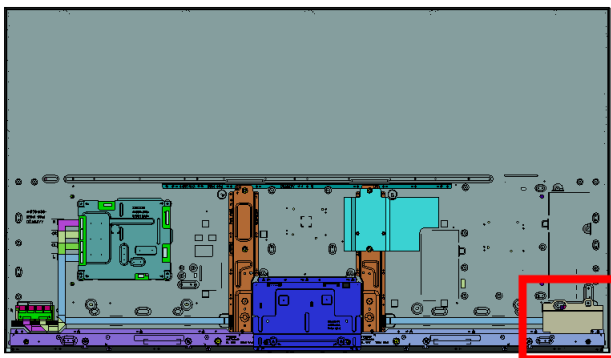
3



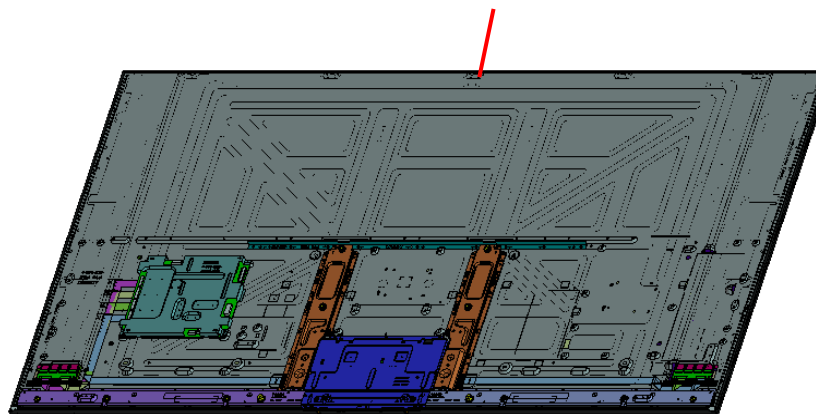
BRACKET, HOOK (L) (GNT)

2. XBR-65X930D/935D/937D

2-42. AL TAPE, PWB LS (GNT) AND LCD PANEL

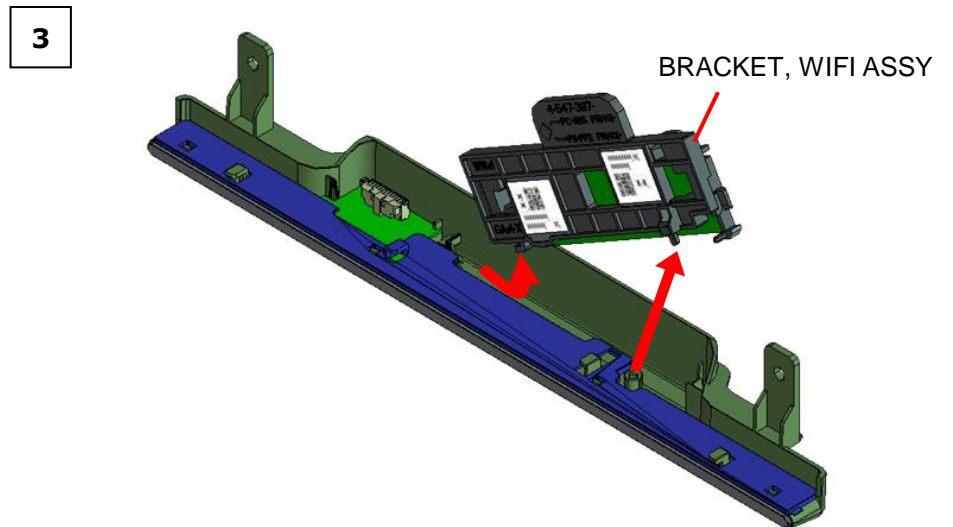
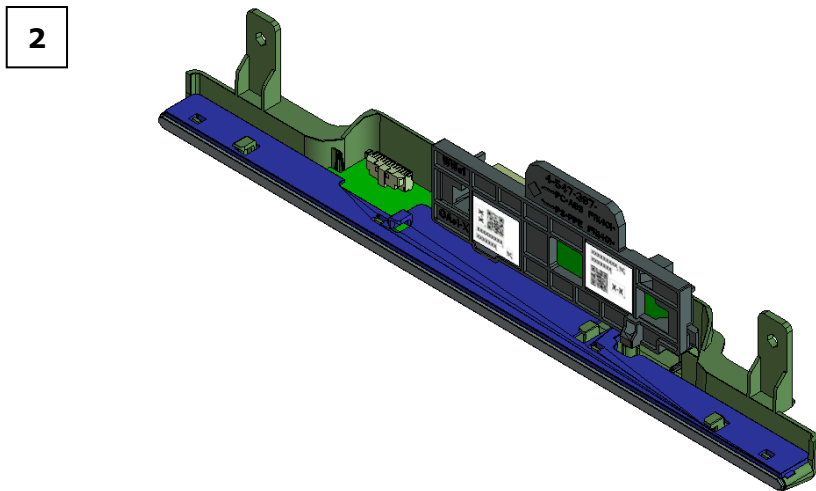
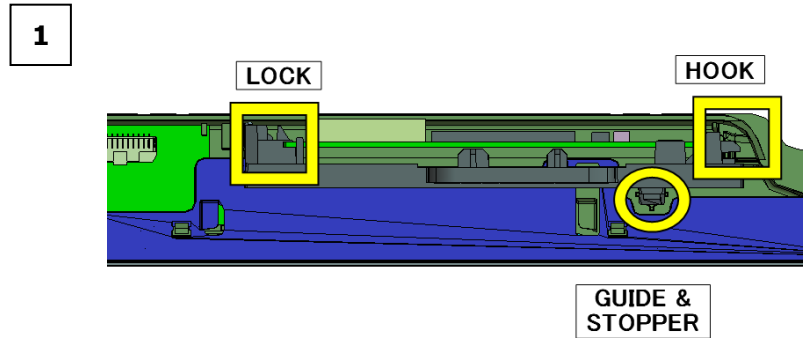
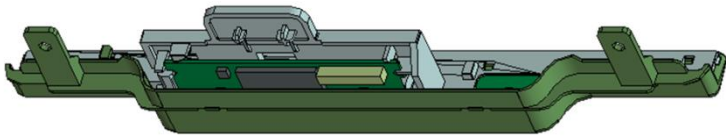


LCD PANEL



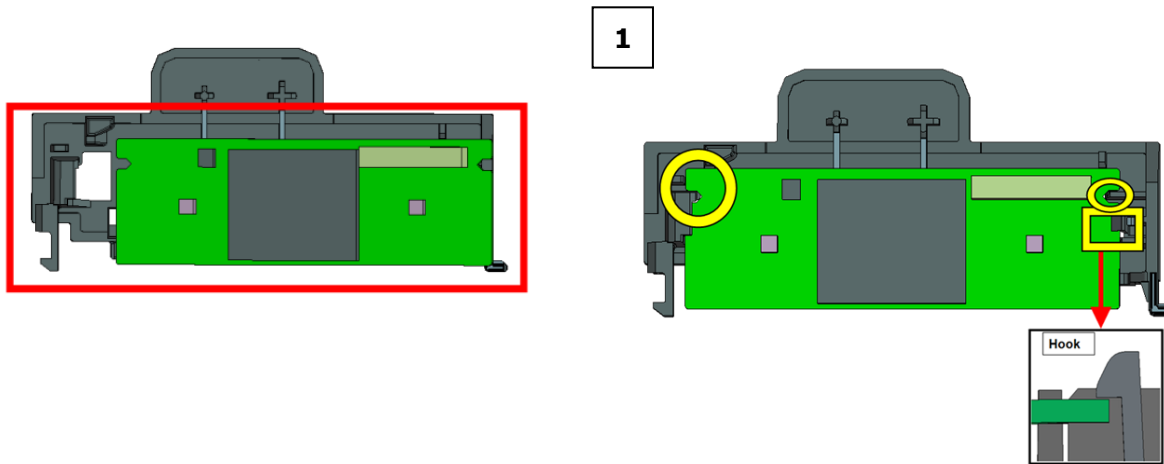
3. SMART CORE (S)

3-1. BRACKET, WIFI ASSY

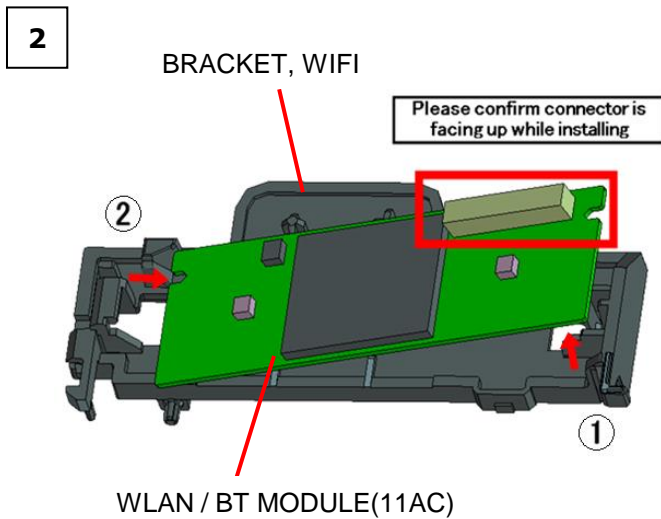
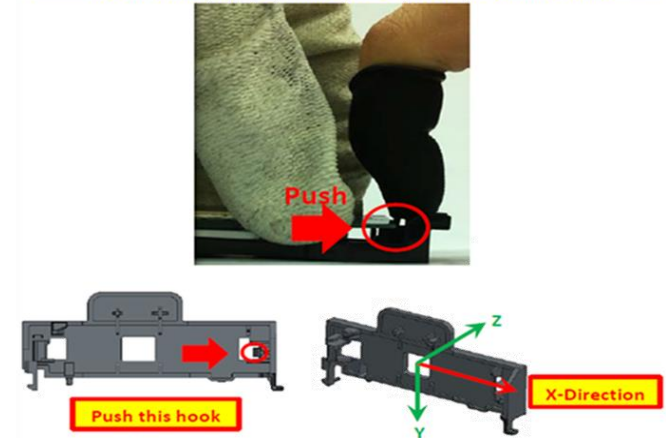


3. SMART CORE (S)

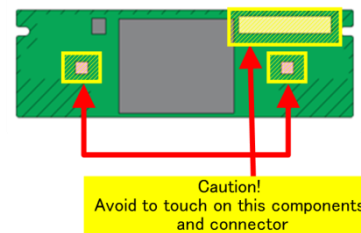
3-2. WLAN / BT MODULE(11AC) AND BRACKET, WIFI



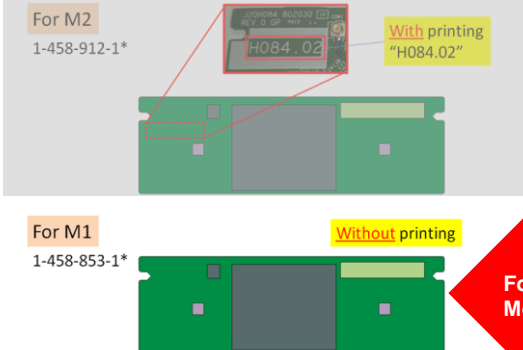
NOTE: Please push hook with force ≤ 5.0 N to X-Direction while installing WLAN module
 *WLAN/BT module is confirmed locked when click sound is heard.



NOTE:



How to distinguish PWB for M1 and M2



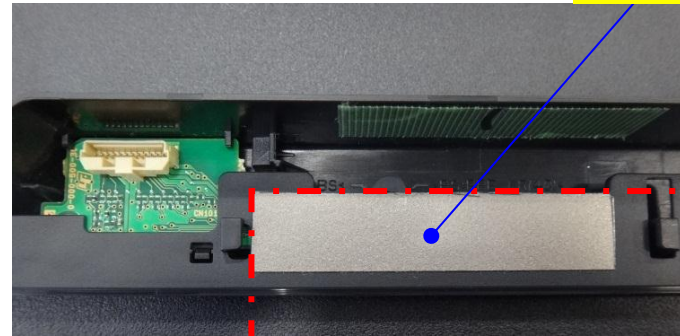
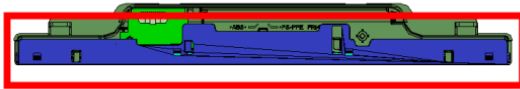
3. SMART CORE (S)

3-3. SHEET, IR NOISE AND COVER, TOP

1

When you do TOP COVER replacement, please also replace this part at the same time to a new one.

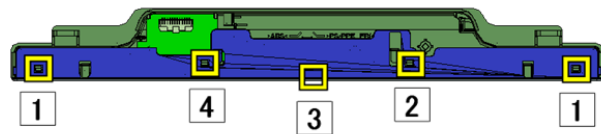
SHEET, IR NOISE P/N: 4-590-730-01
60 x 13 (t0.2)



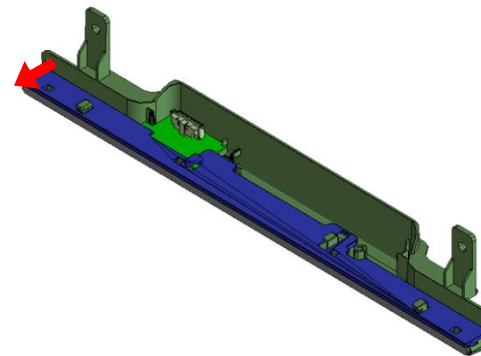
Datum: edge of cover top

Datum: edge of cover top hole

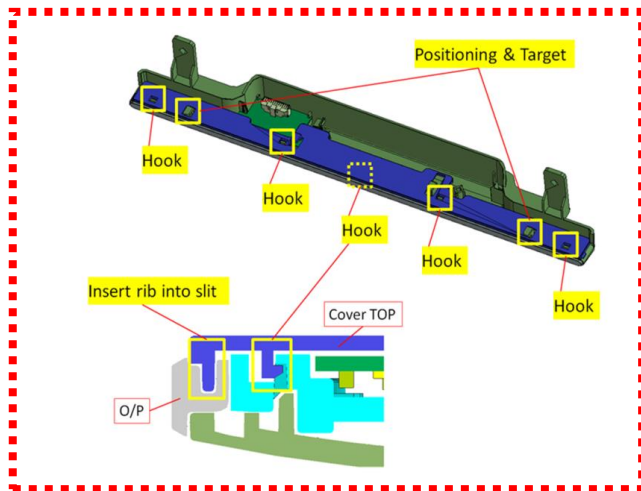
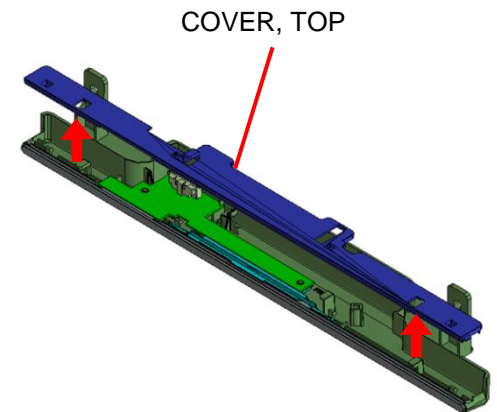
2



3

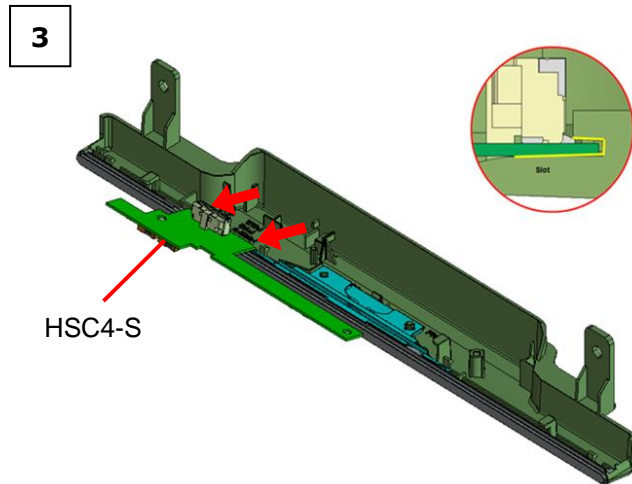
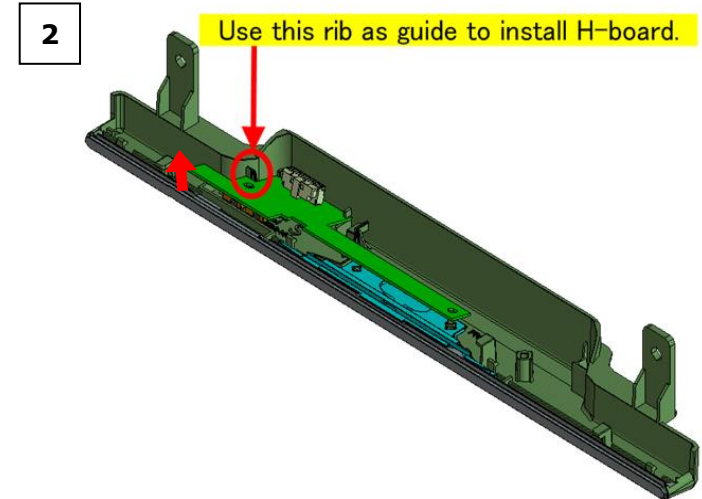
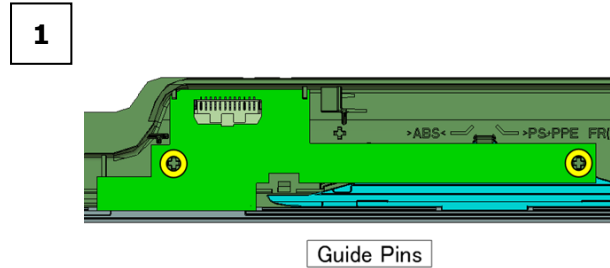
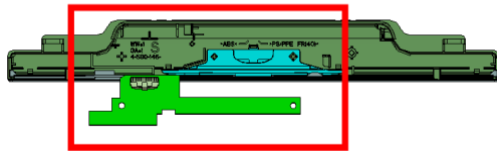


4



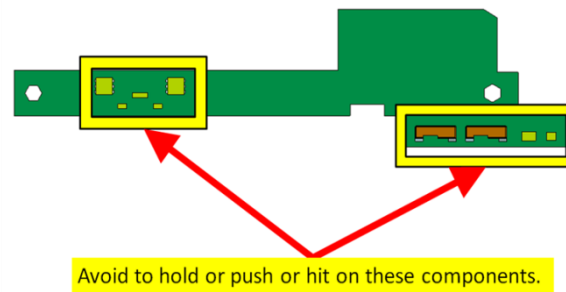
3. SMART CORE (S)

3-4. HSC4-S

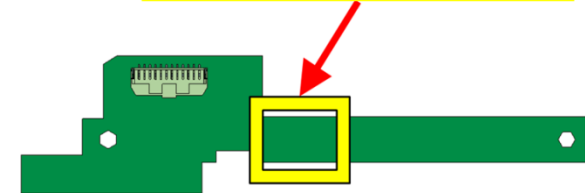


NOTE:

B side

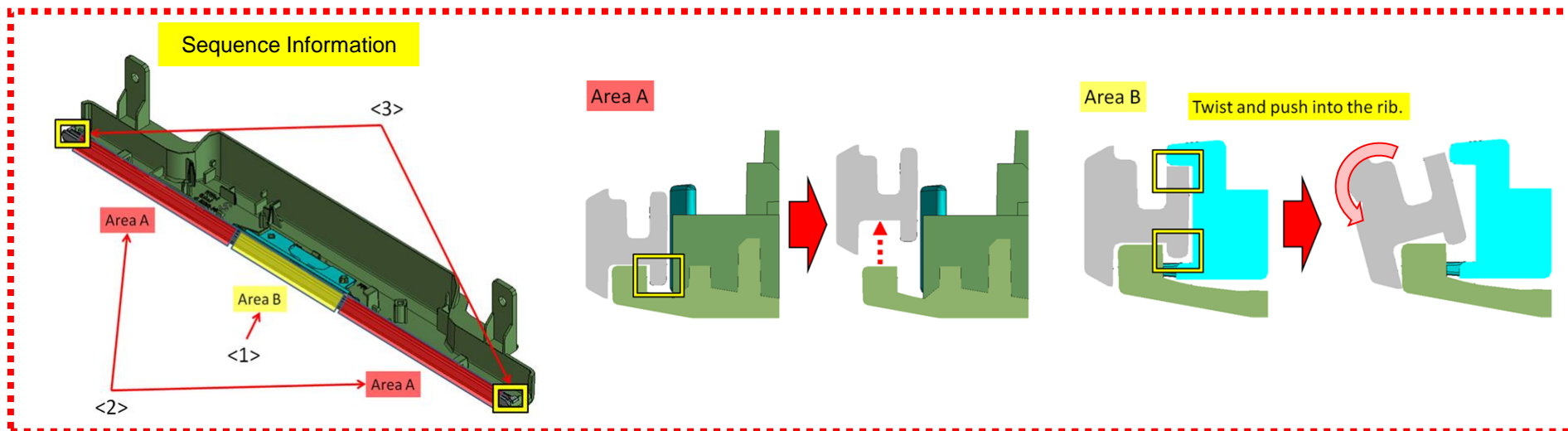
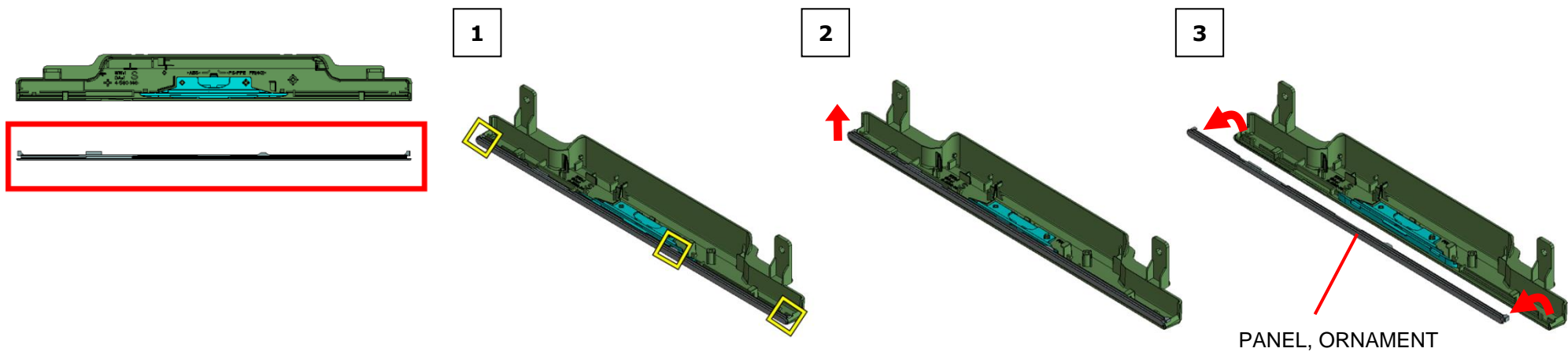


Hold on this section when installing H-Board.



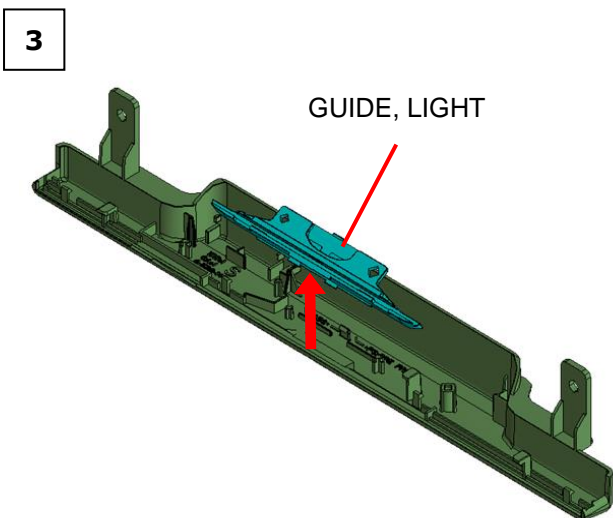
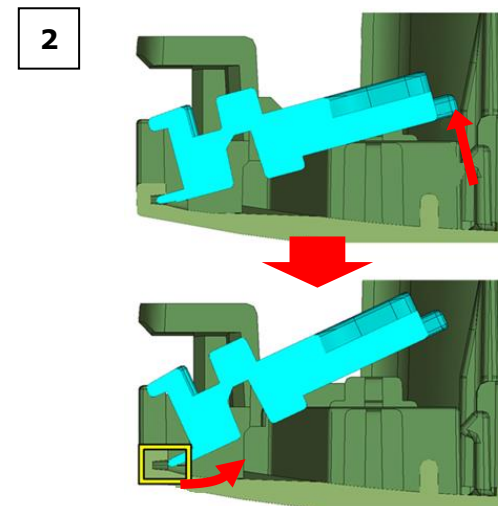
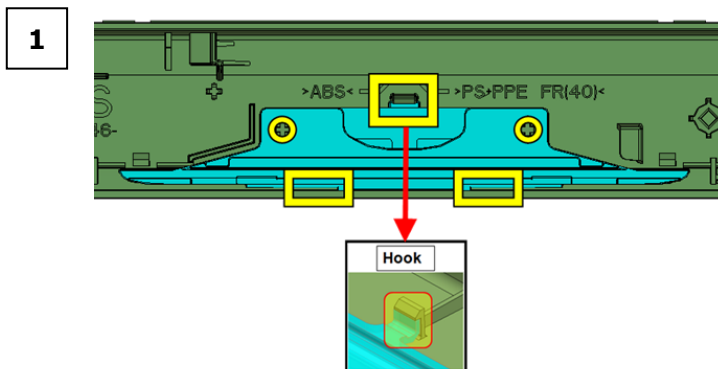
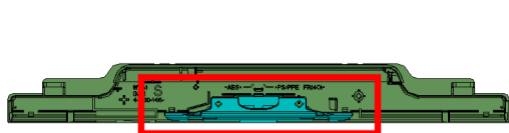
3. SMART CORE (S)

3-5. PANEL, ORNAMENT



3. SMART CORE (S)

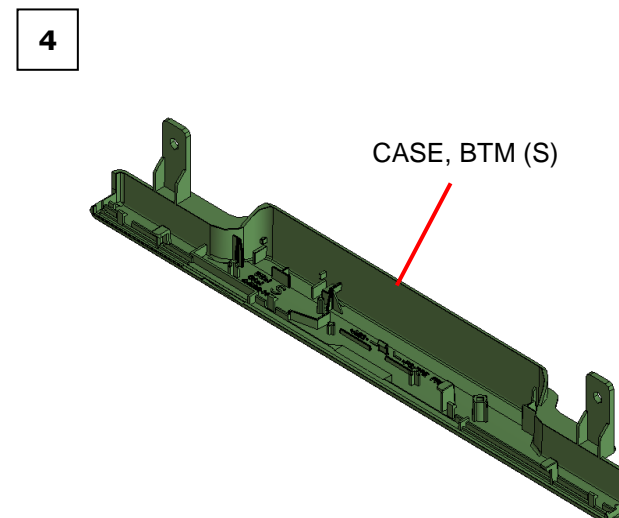
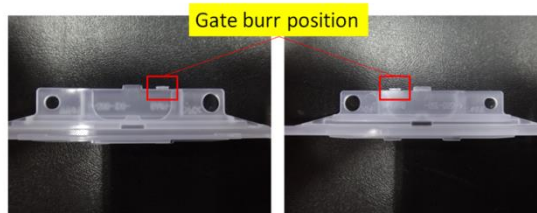
3-6. GUIDE, LIGHT AND CASE, BTM (S)



Be careful the direction of GUIDE, LIGHT.

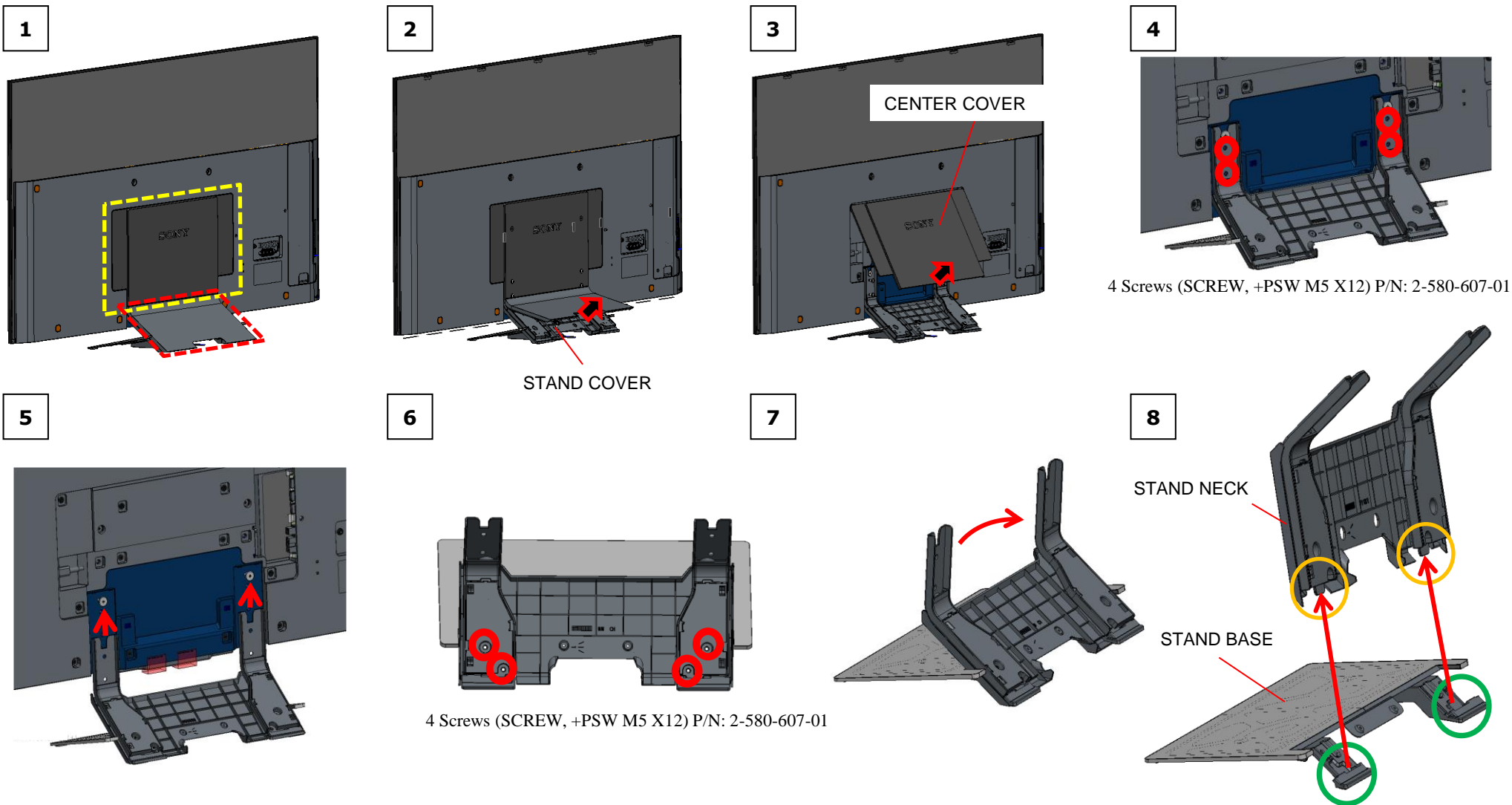
OK

NG



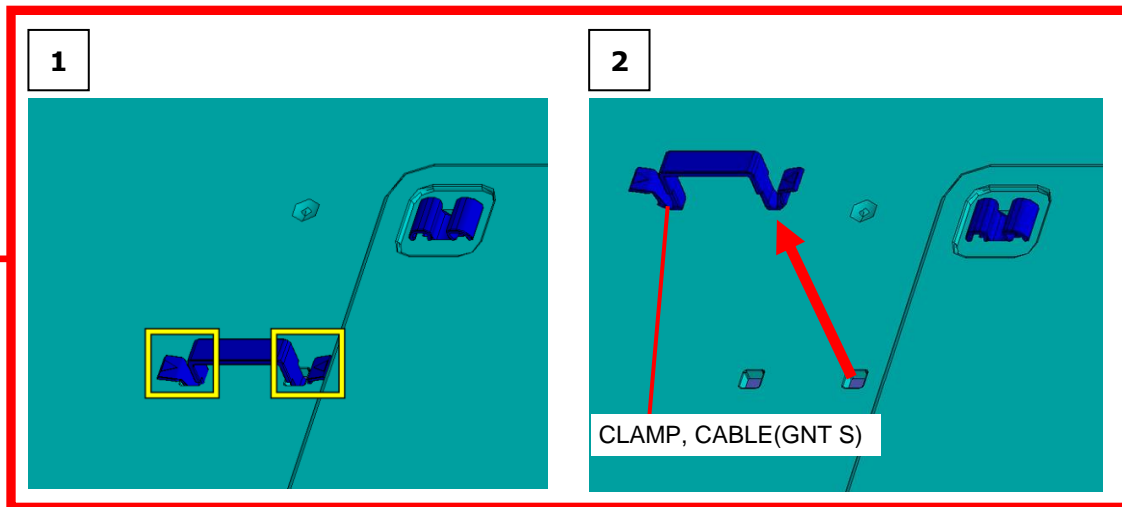
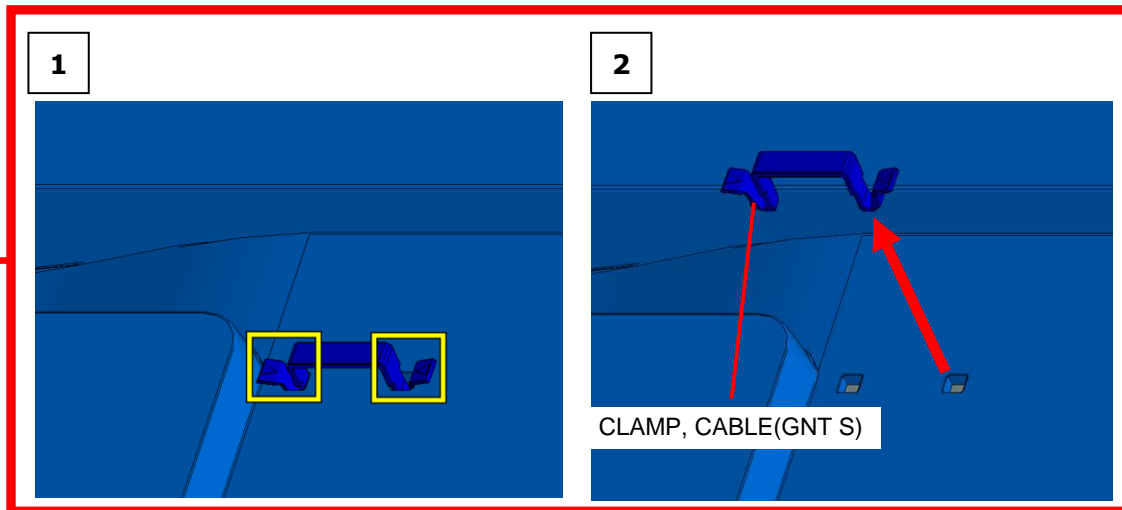
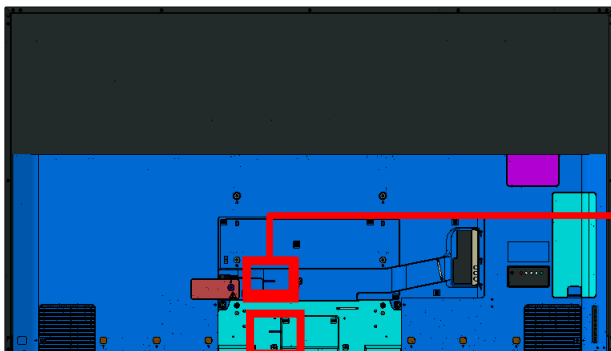
4. XBR-75X940D

4-1. STAND



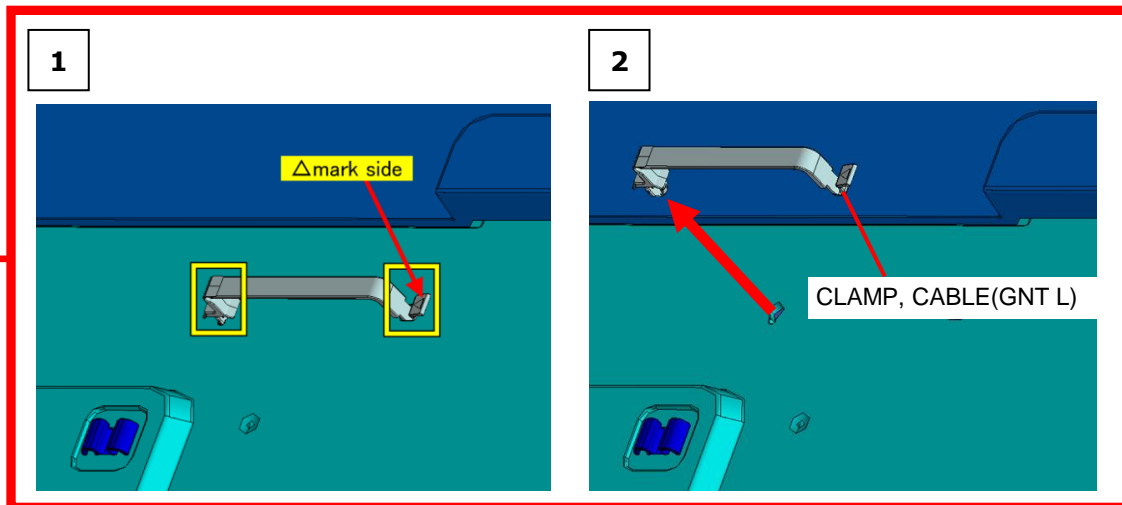
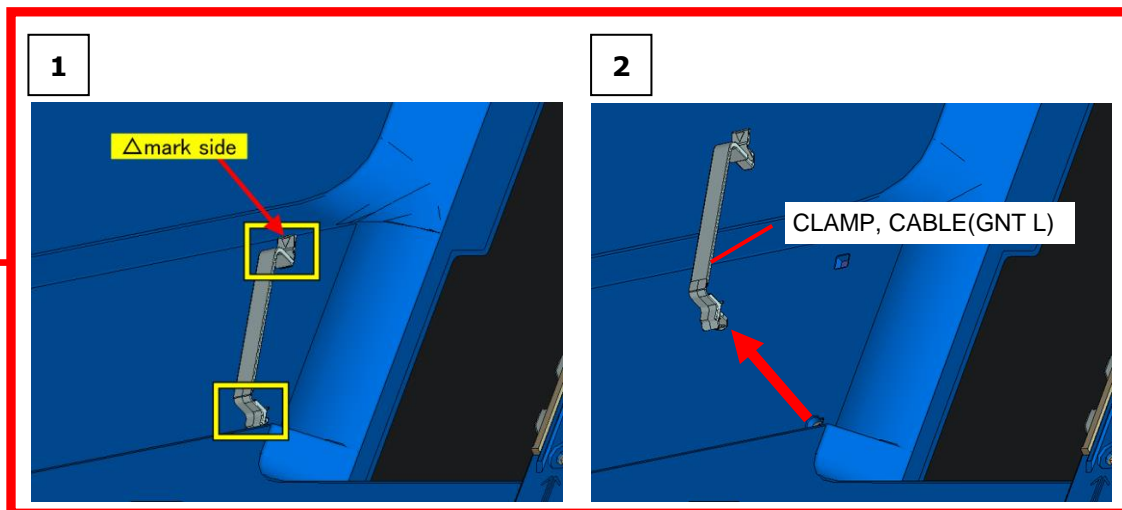
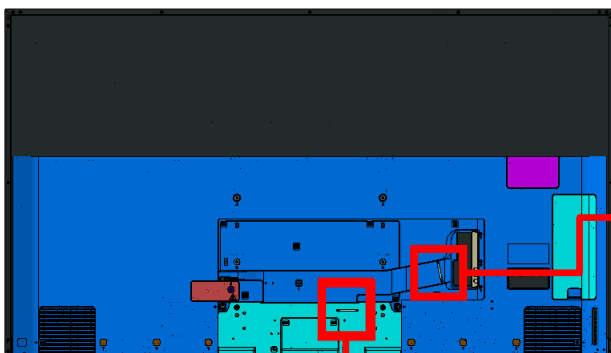
4. XBR-75X940D

4-2. CLAMP, CABLE (GNT S)



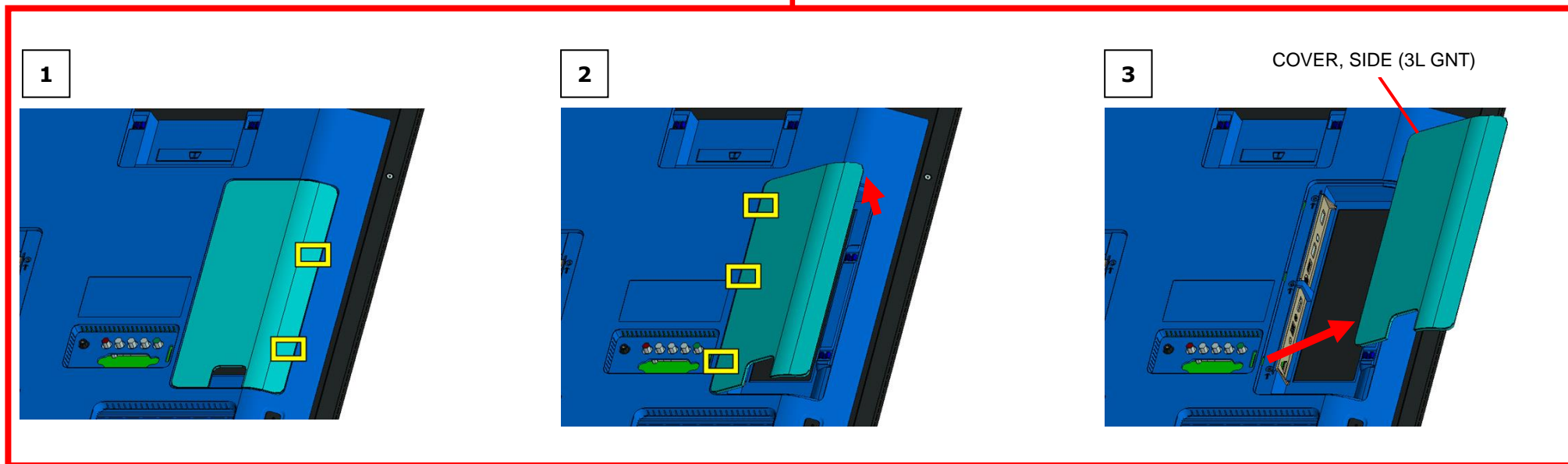
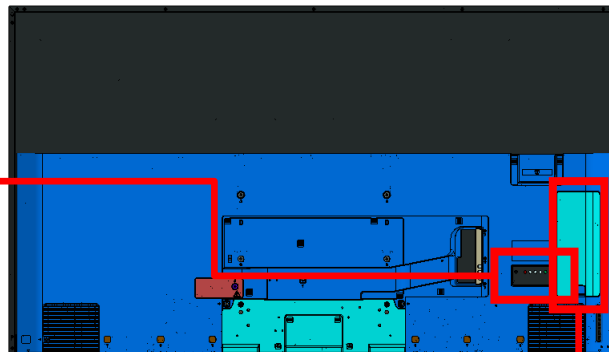
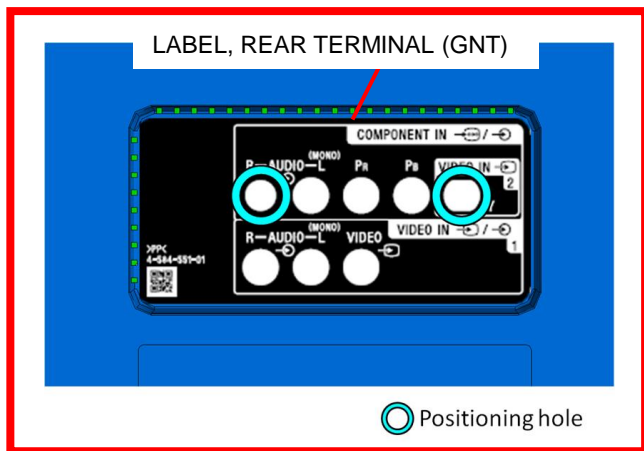
4. XBR-75X940D

4-3. CLAMP, CABLE (GNT L)



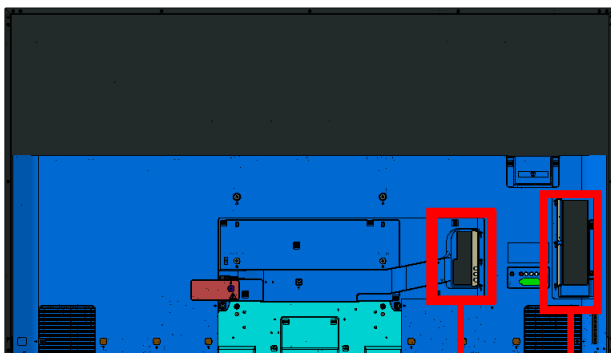
4. XBR-75X940D

4-4. LABEL, REAR TERMINAL (GNT) AND COVER, SIDE (3L GNT)



4. XBR-75X940D

4-5. LABEL, INSIDE TERMINAL(PDT 3L) AND LABEL, SIDE TERMINAL(PDT 3L)



NOTE:

Align the label to the marking,
 ① corner edge
 ② upper line
 ③ right side line

To prevent bubbles from entering,
 Please stroked the label from the
 top side to bottom side.

LABEL, INSIDE TERMINAL(PDT 3L)

NOTE:

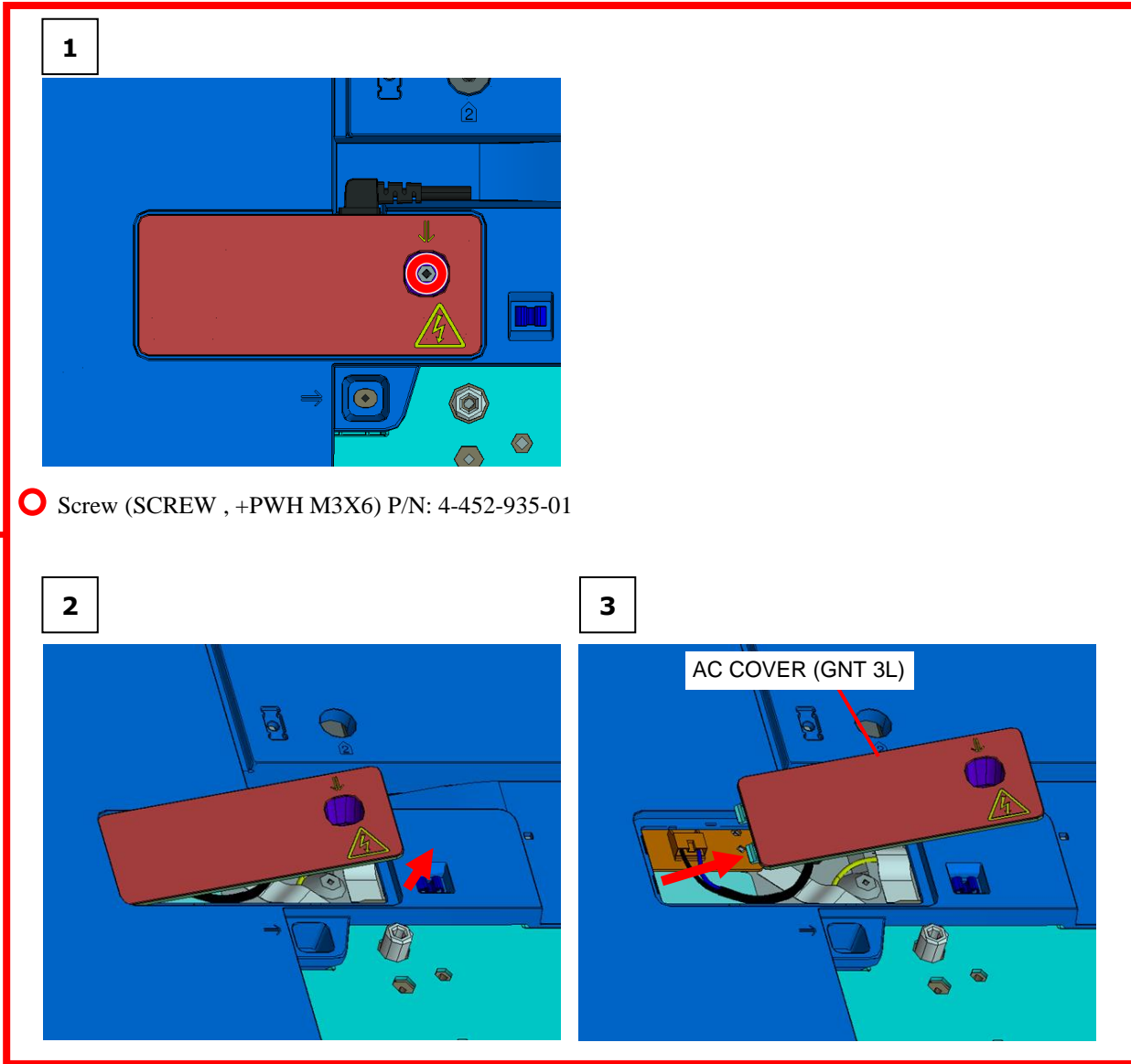
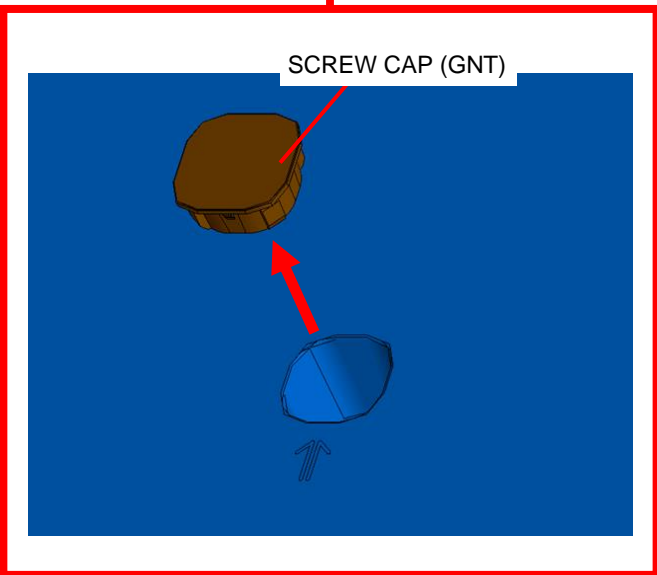
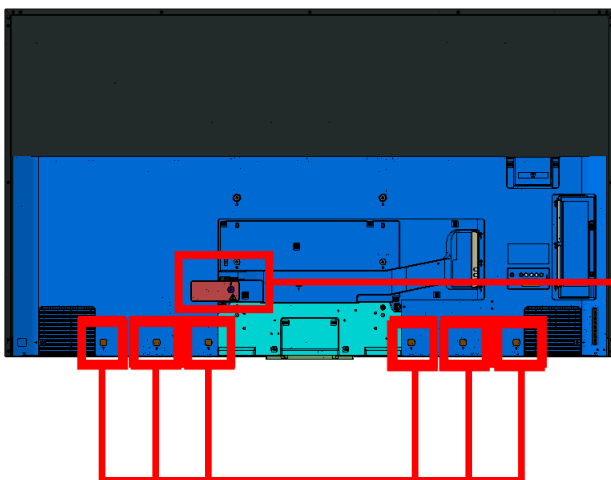
Align the label to the marking,
 ① corner edge
 ② upper line
 ③ left side line

To prevent bubbles from entering,
 Please stroked the label from the
 top side to bottom side.

LABEL, SIDE TERMINAL(PDT 3L)

4. XBR-75X940D

4-6. SCREW CAP (GNT) AND AC COVER (GNT 3L)

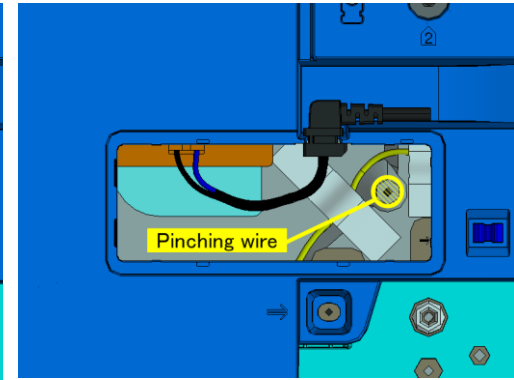
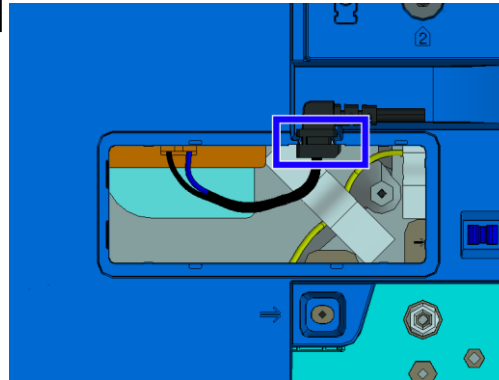


4. XBR-75X940D

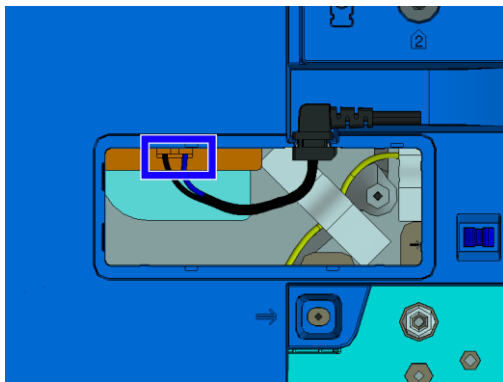
4-7. POWER-SUPPLY CORD (WITH CONN.)



1

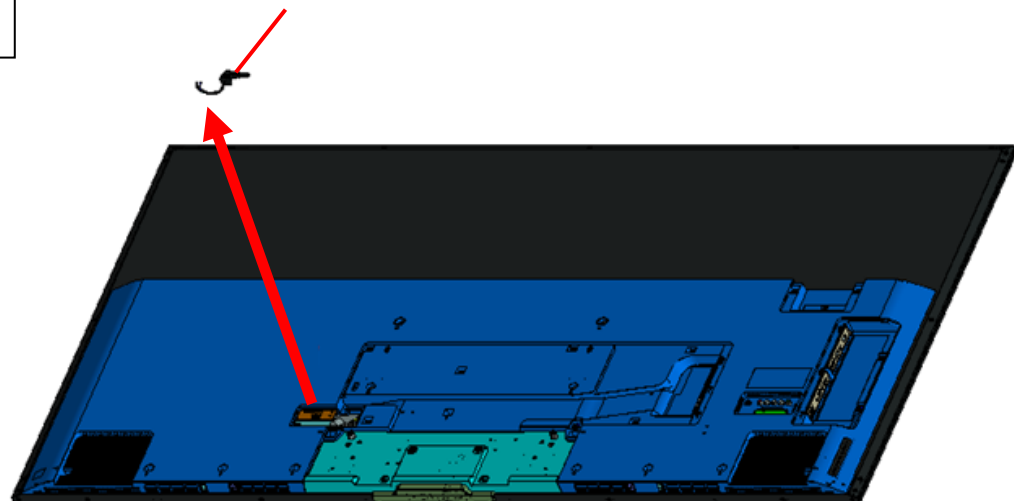


2



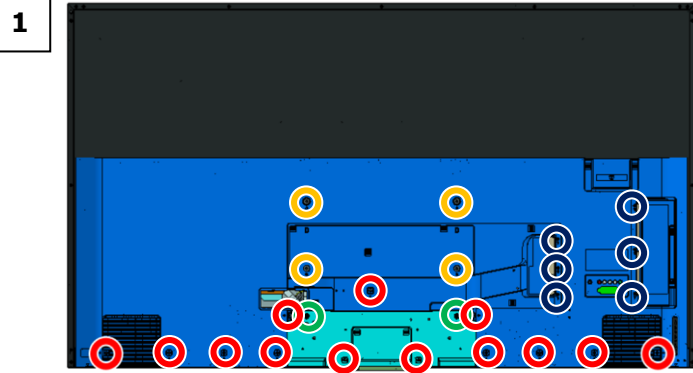
3

POWER-SUPPLY CORD (WITH CONN.)

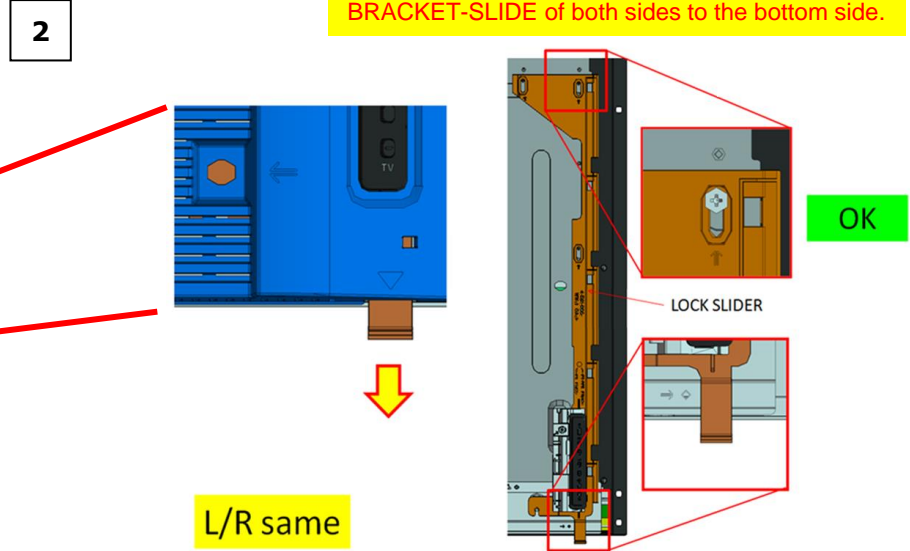


4. XBR-75X940D

4-8. REAR COVER (3L GNT) A



- 13 screws (SCREW , +PWH M3X6) P/N: 4-452-935-01
- 4screws (SCREW, +PSW M6X12) P/N: 4-567-081-01
- 2 screws (JOINT, SCREW) P/N: 4-400-043-11
- 6 screws (SCREW +BVTP 3X10 TYPE2 IT-3) P/N: 7-685-647-79

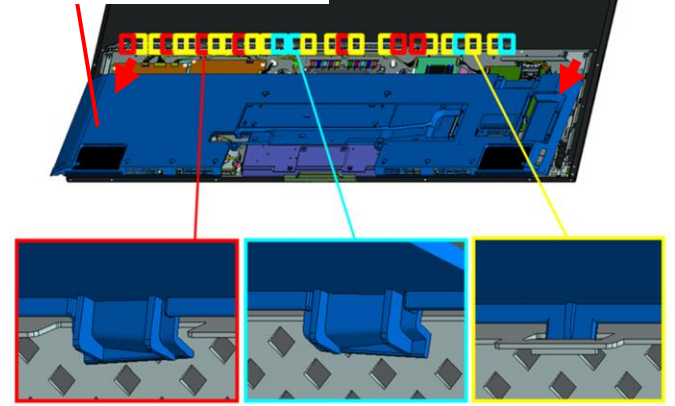


Note:
Before taking off Rear Cover, you have to slide BRACKET-SLIDE of both sides to the bottom side.

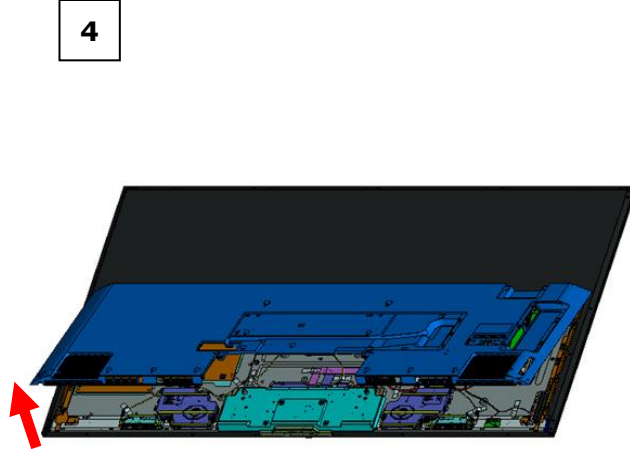
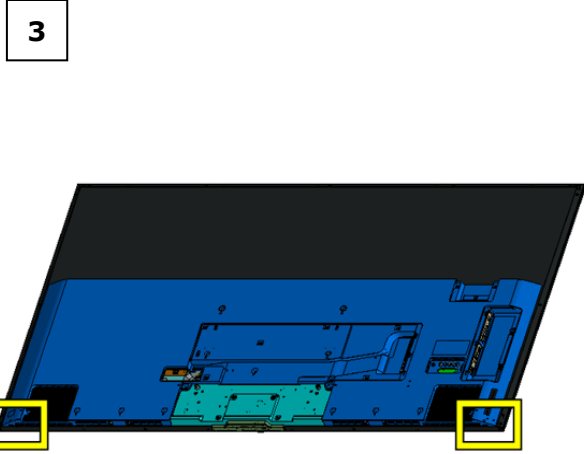
L/R same

Don't hit R/C to BT ANTENNA.

REAR COVER (3L GNT) A



Note: Check the hook has not broken after taking off Rear Cover.

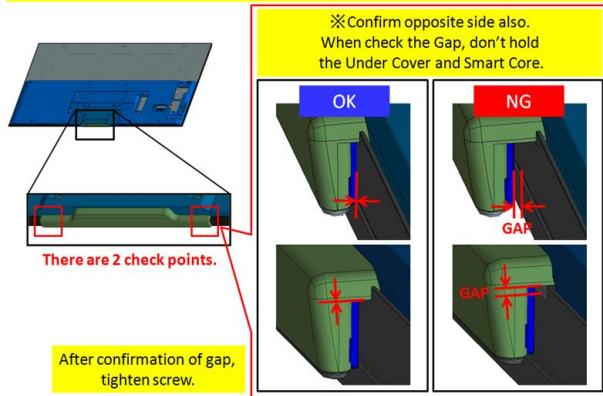


4. XBR-75X940D

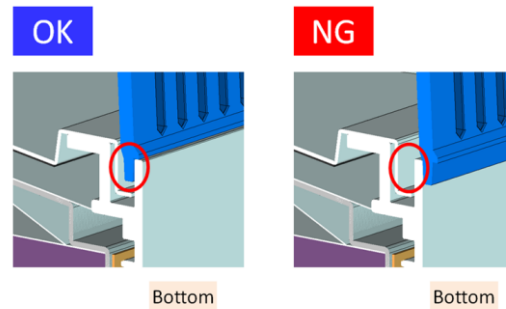
4-8. REAR COVER (3L GNT) A

NOTES: When re-assembling REAR COVER (3L GNT) A

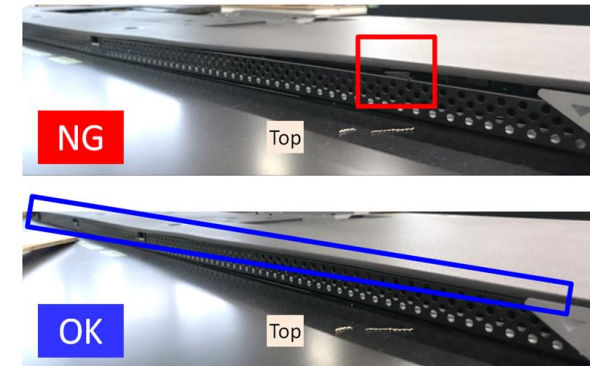
Confirm Smart Core is assembled properly
after closing / before tightening screw of Under Cover.



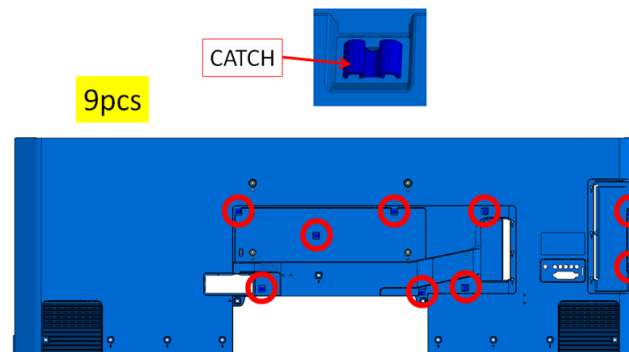
Ensure R/C is installed to slit of panel.



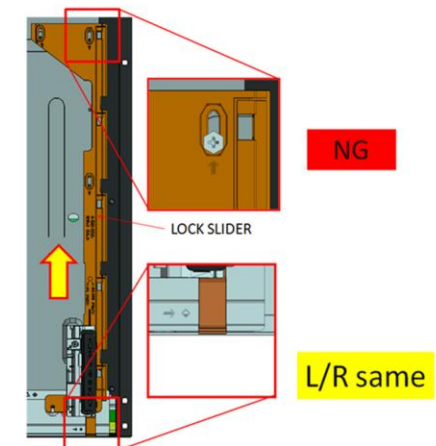
Confirm hook fixed properly and no floating the R/C.



Confirm all CATCHES are assembled surely
before install REAR COVER.



Don't slide up LOCK SLIDER before put R/C.

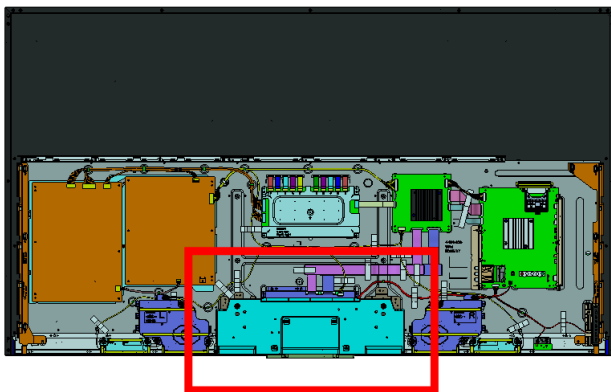


Install angle of REAR COVER.

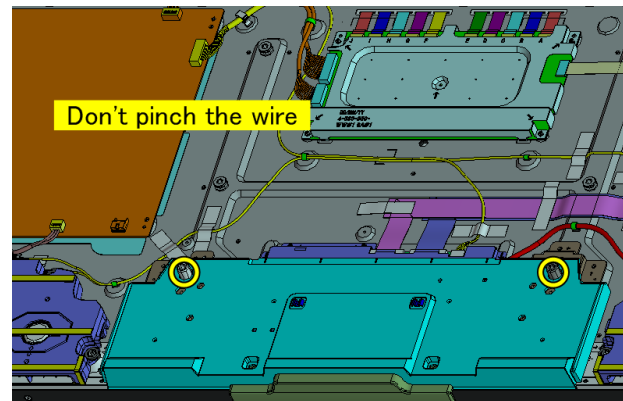


4. XBR-75X940D

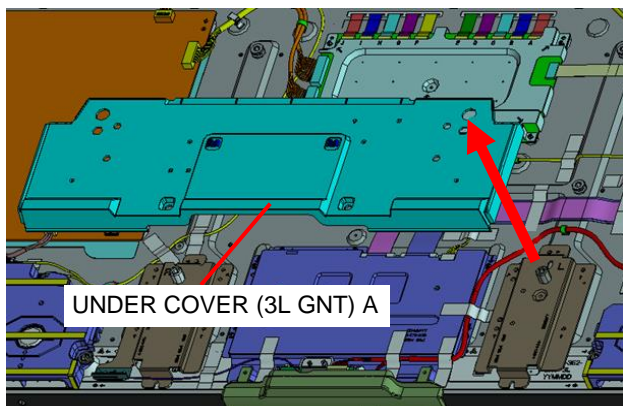
4-9. UNDER COVER (3L GNT) A



1



2



NOTE: When re-assembling UNDER COVER (3L GNT) A

Confirm all CATCHS are assembled surely before install UNDER COVER.

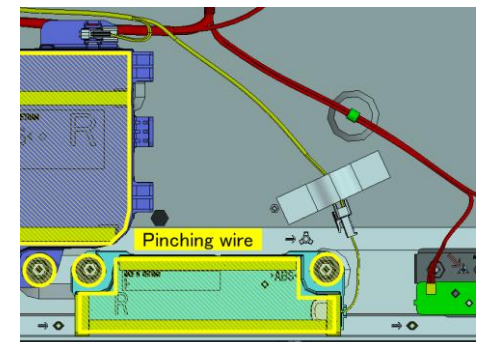
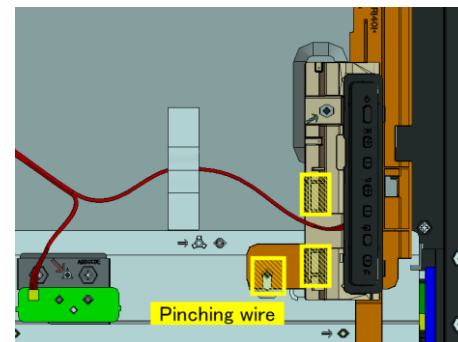
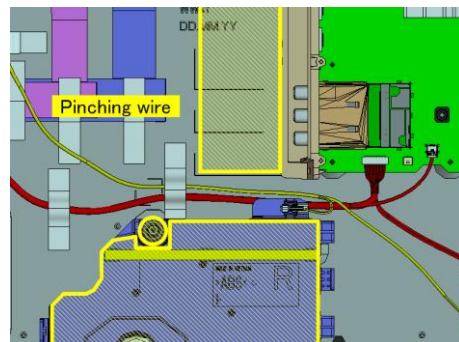
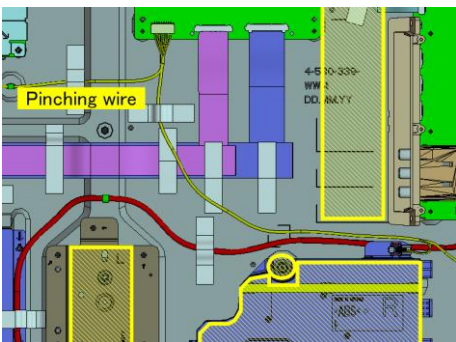
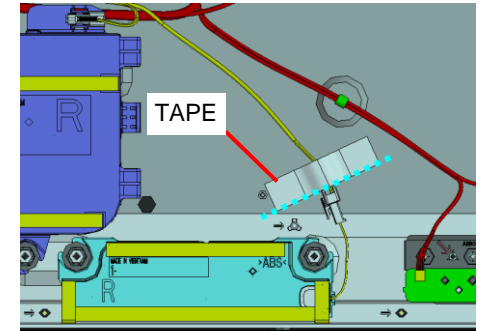
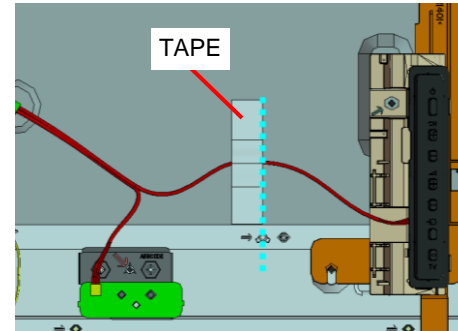
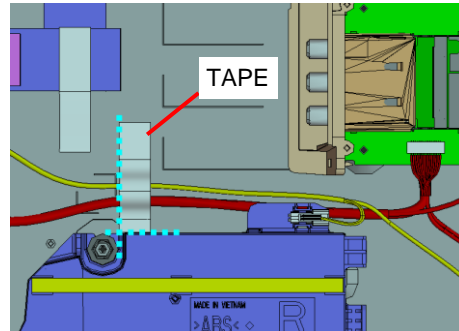
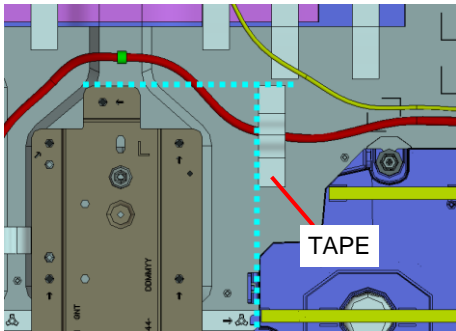
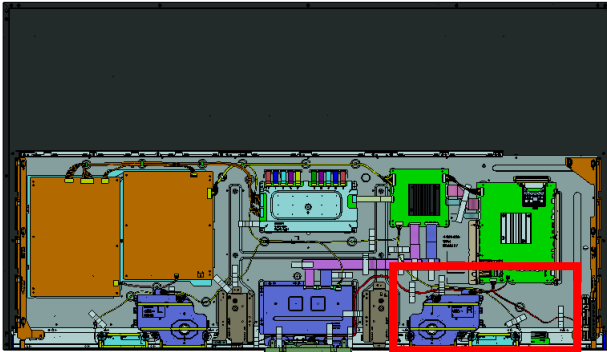
2pcs

CATCH

A technical diagram of the Under Cover (3L GNT) A showing the locations of two catches. Two red circles highlight the catch locations on the cover. A separate diagram shows a blue catch component with a red arrow pointing to it from the label "CATCH".

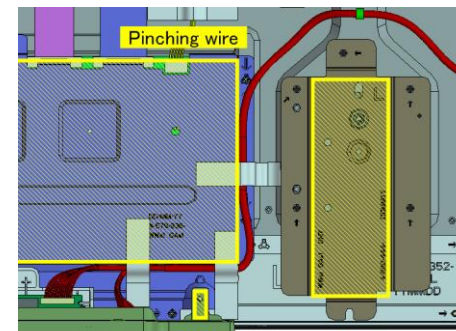
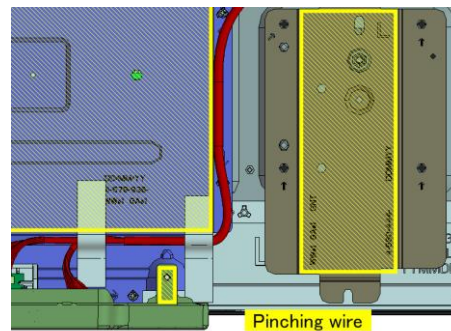
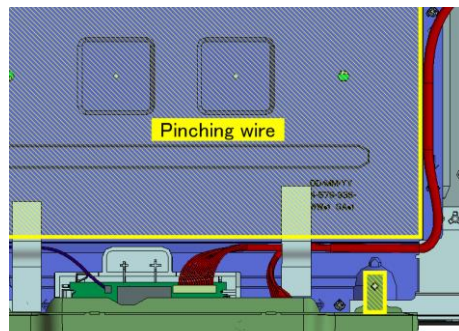
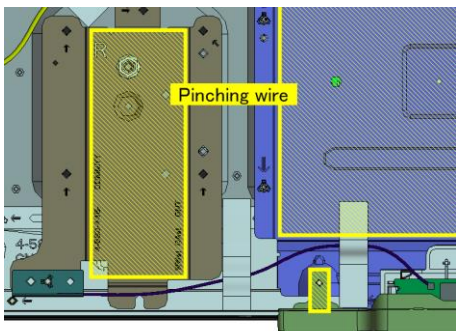
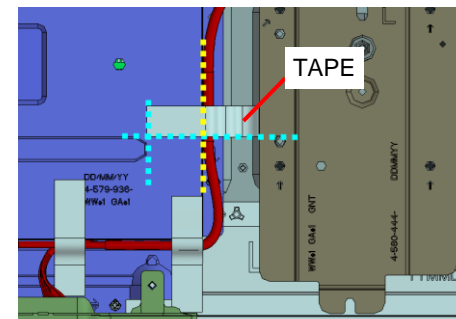
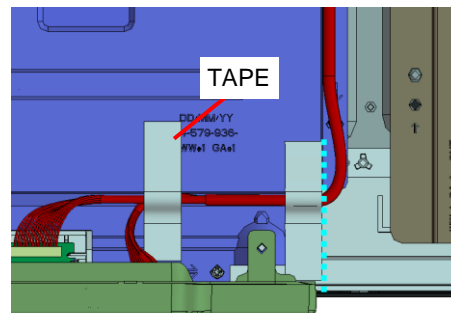
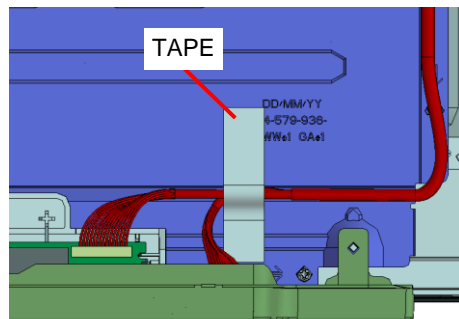
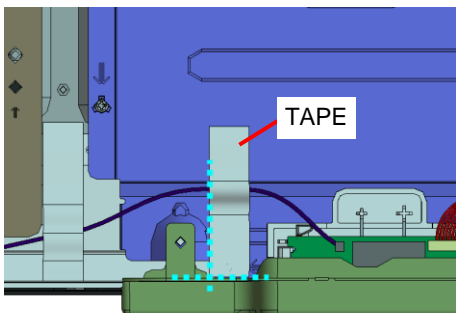
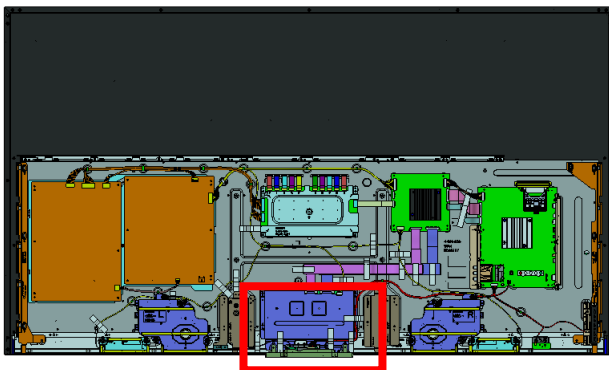
4. XBR-75X940D

4-10. TAPE



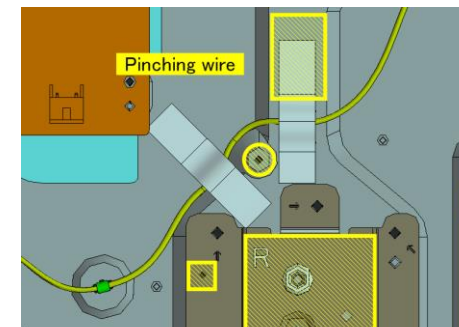
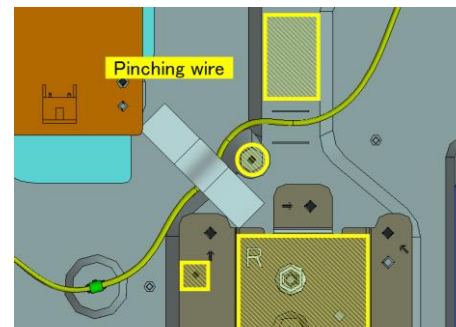
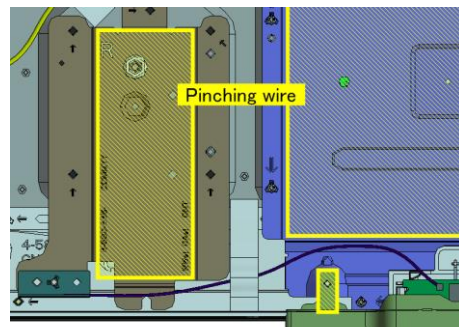
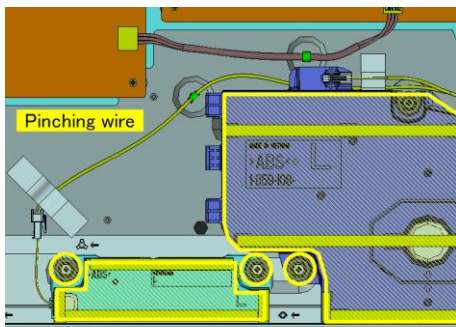
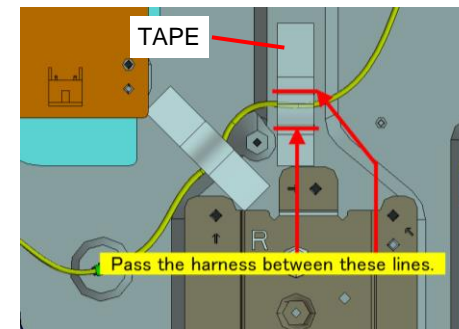
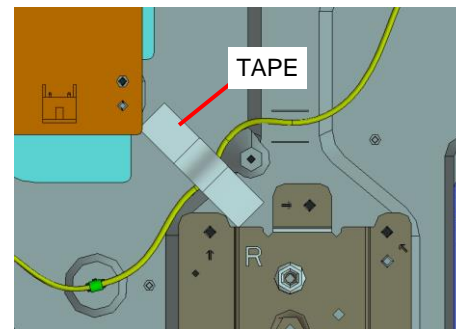
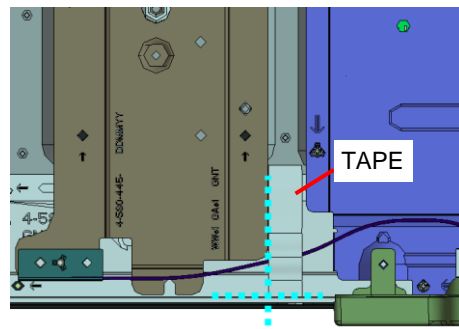
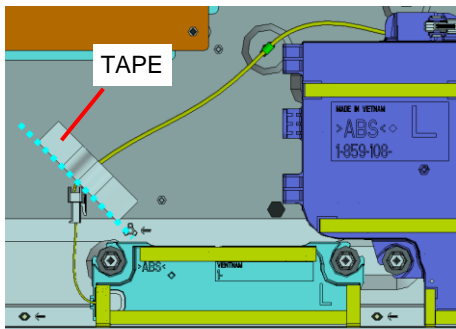
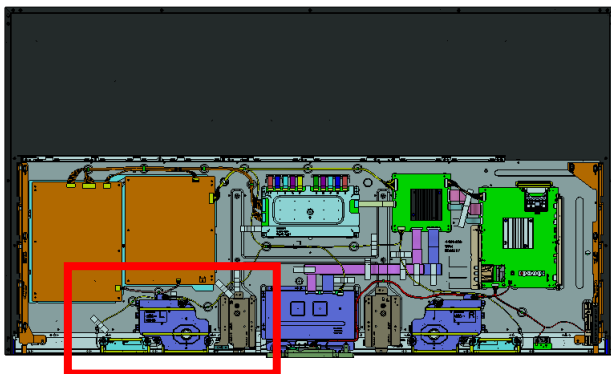
4. XBR-75X940D

4-11. TAPE



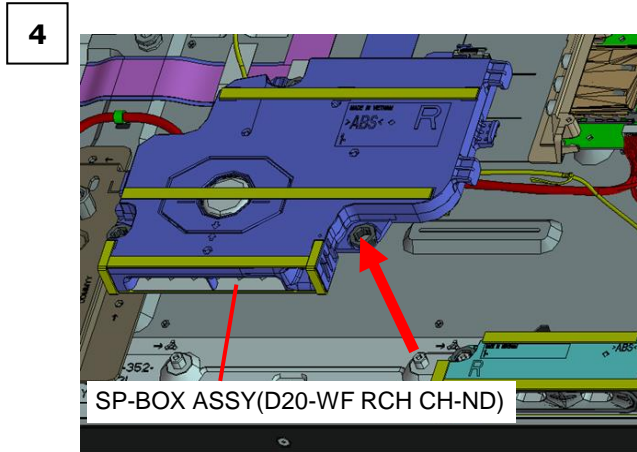
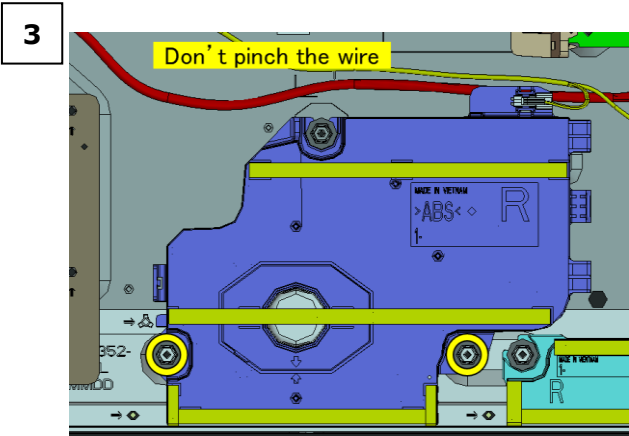
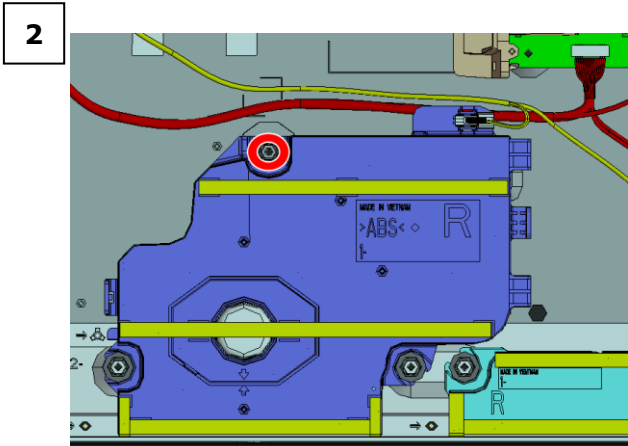
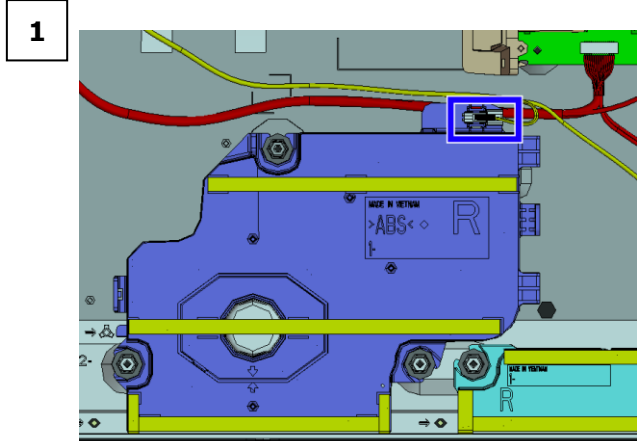
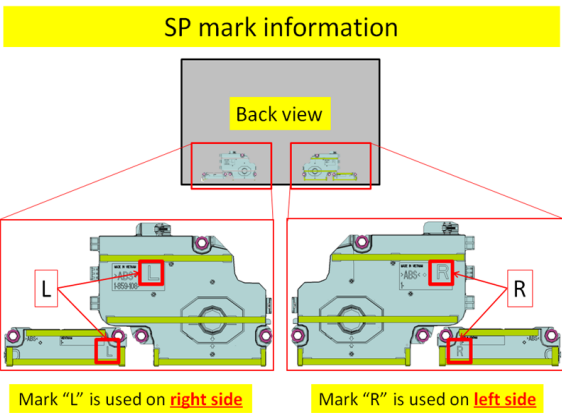
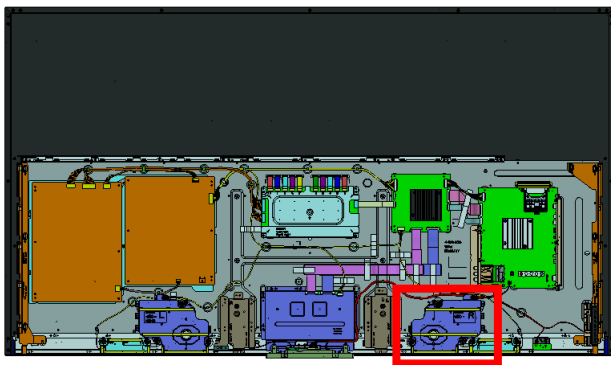
4. XBR-75X940D

4-12. TAPE



4. XBR-75X940D

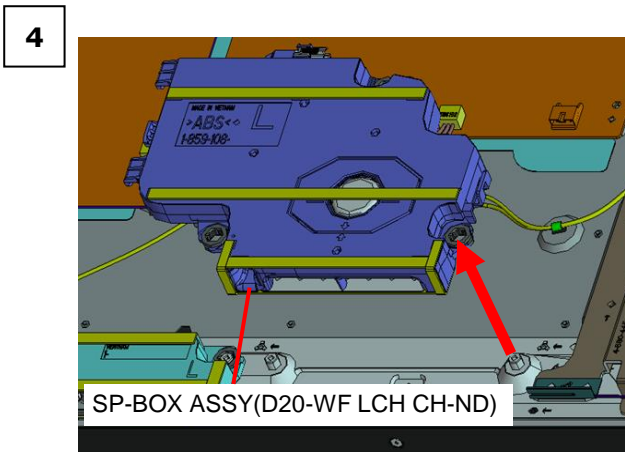
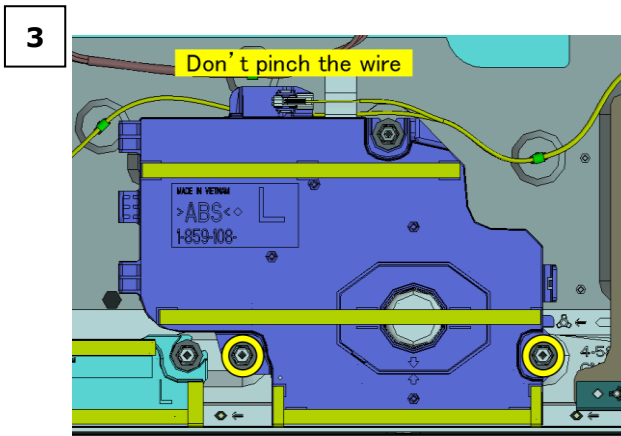
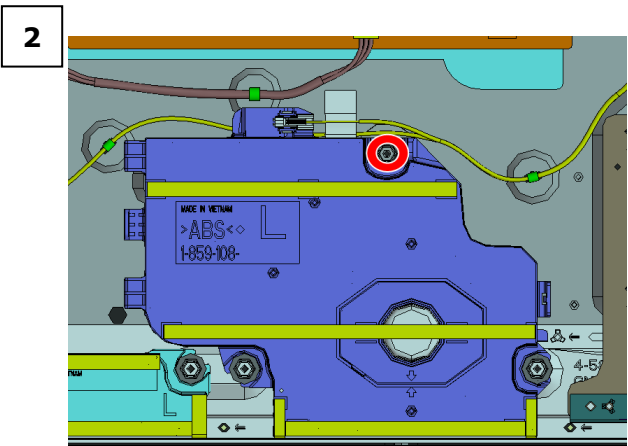
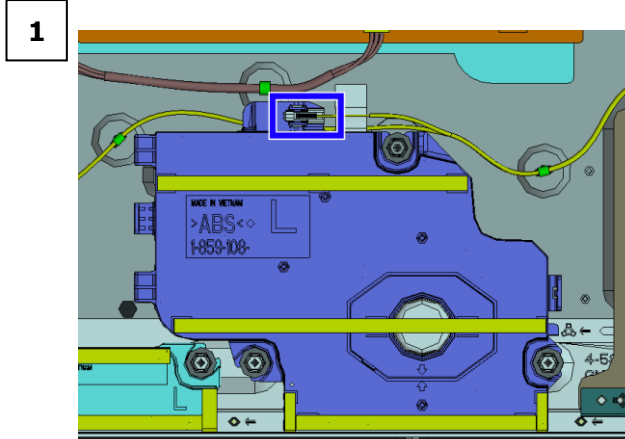
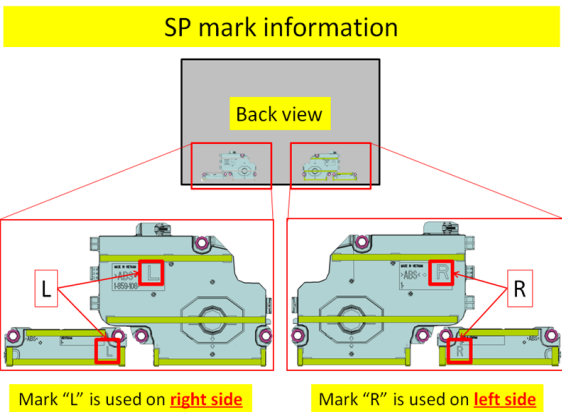
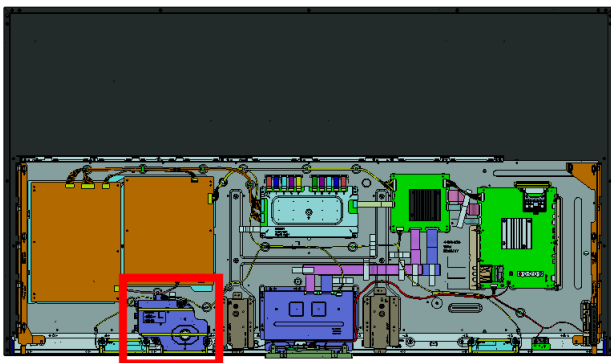
4-13. SP-BOX ASSY(D20-WF RCH CH-ND)



○ Screw (SCREW, +PSW M3X6 W12) P/N: 4-256-393-12

4. XBR-75X940D

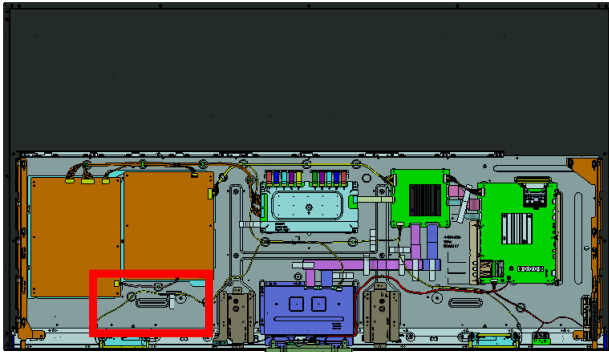
4-14. SP-BOX ASSY(D20-WF LCH CH-ND)



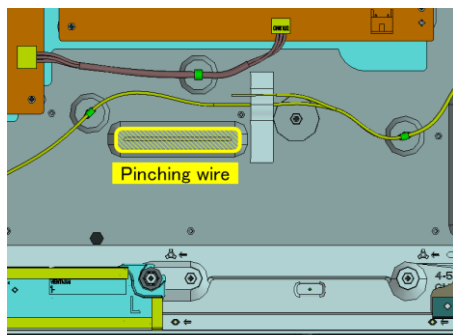
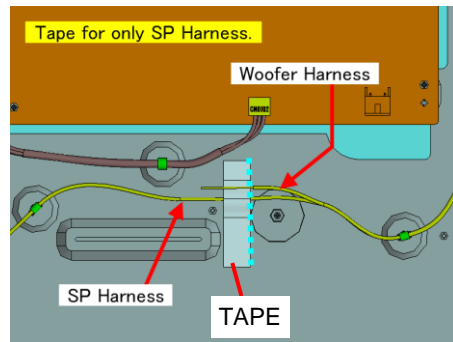
○ Screw (SCREW, +PSW M3X6 W12) P/N: 4-256-393-12

4. XBR-75X940D

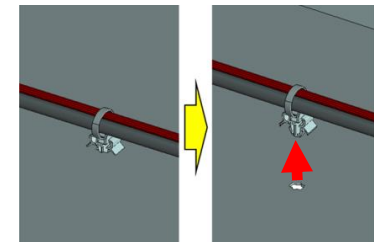
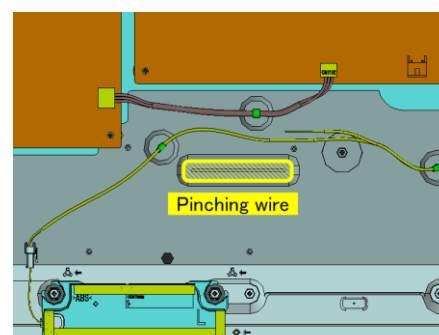
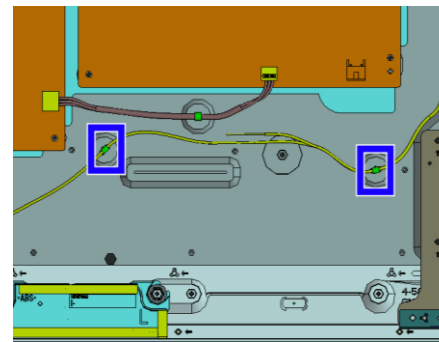
4-15. TAPE AND WIRE DRESSING



1

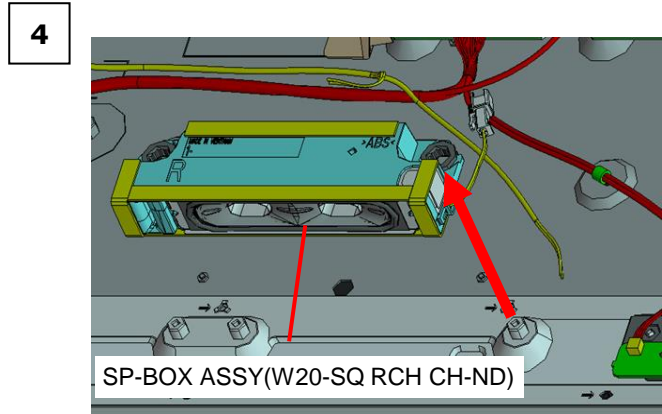
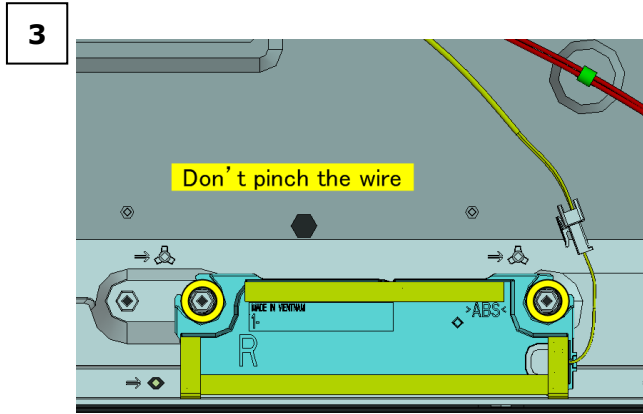
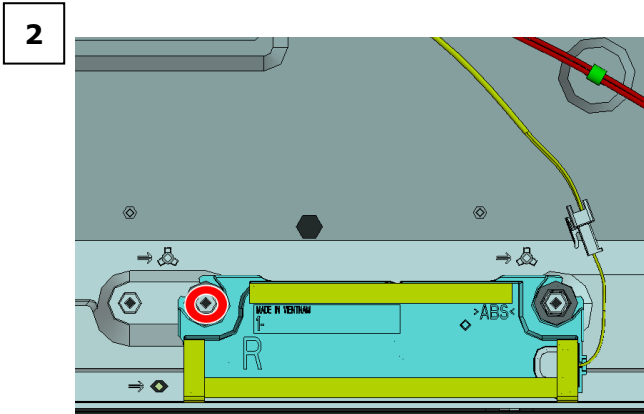
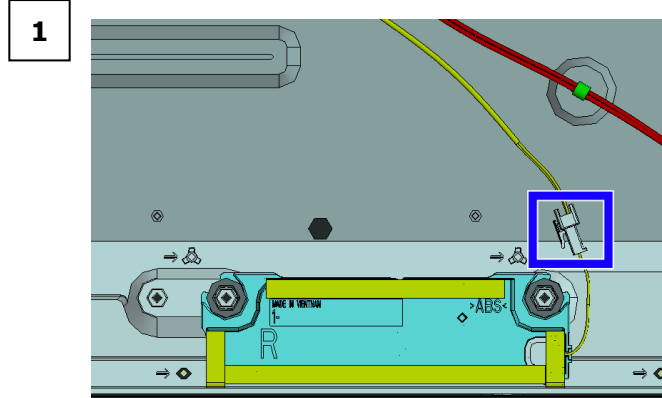
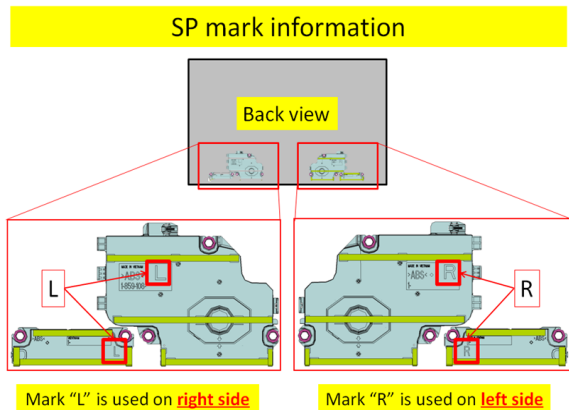
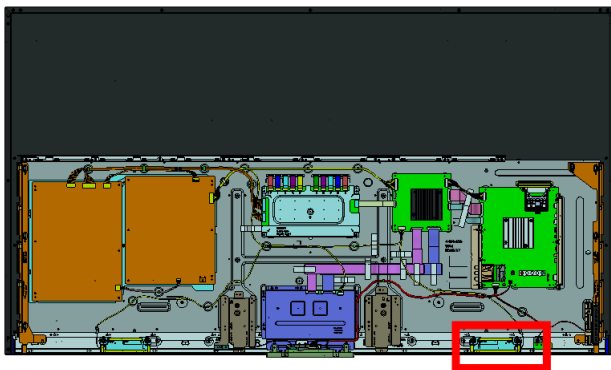


2



4. XBR-75X940D

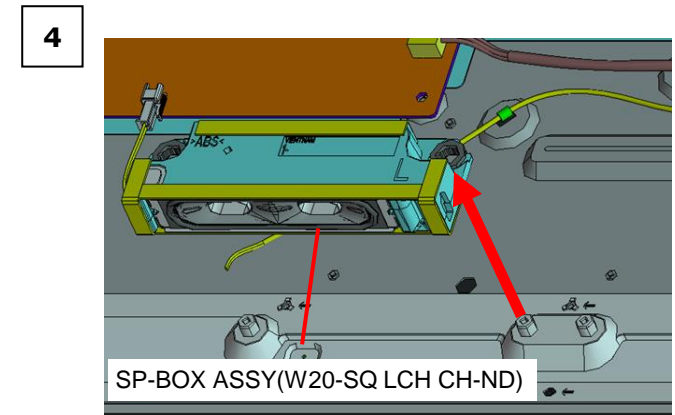
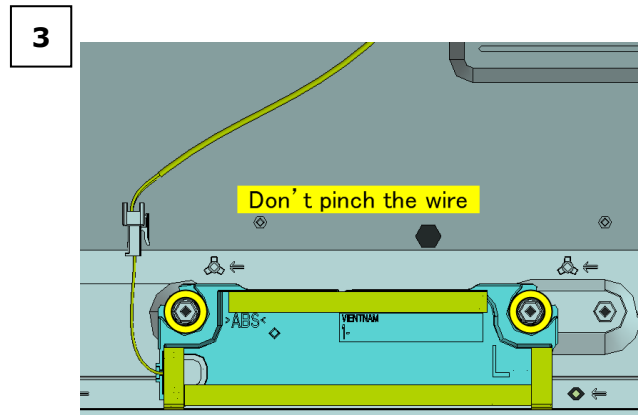
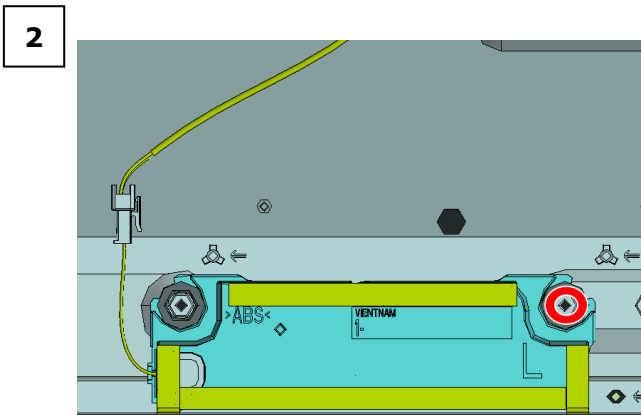
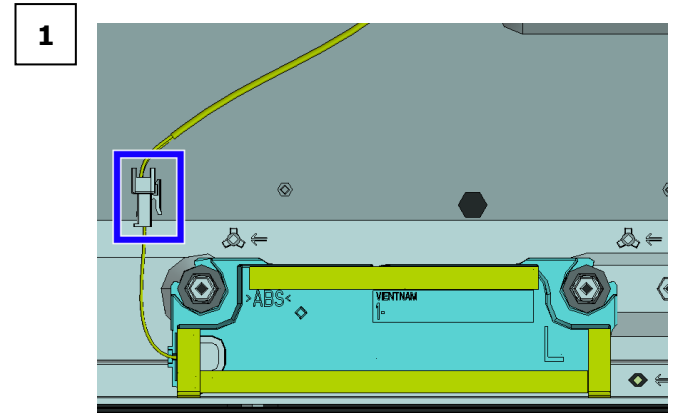
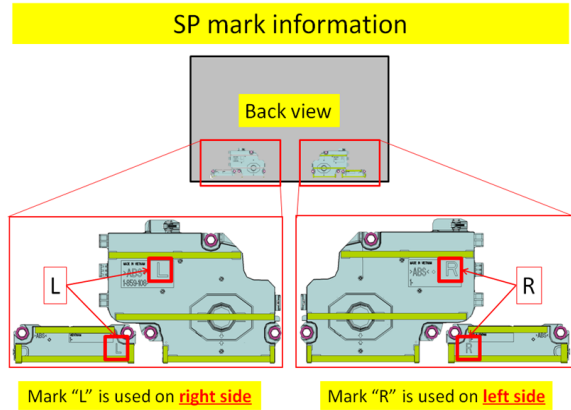
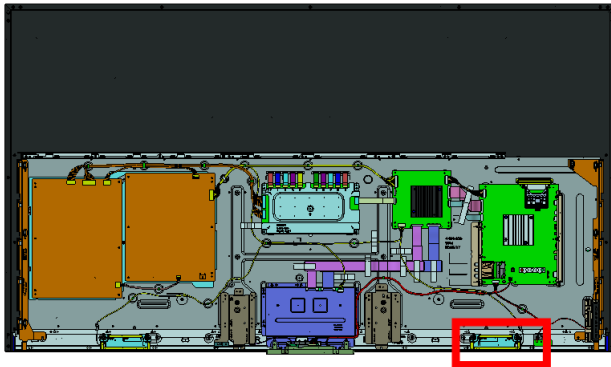
4-16. SP-BOX ASSY(W20-SQ RCH CH-ND)



Screw (SCREW, +PSW M3X6 W12) P/N: 4-256-393-12

4. XBR-75X940D

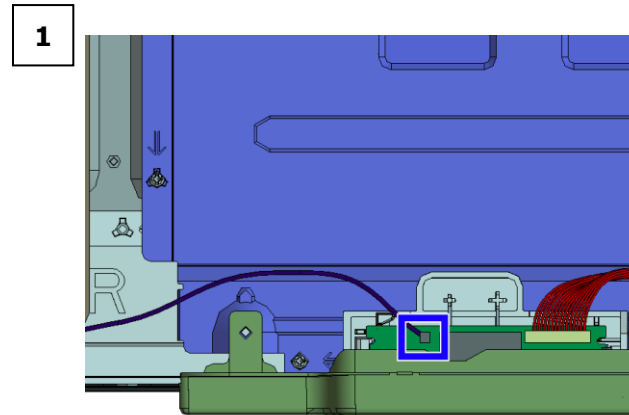
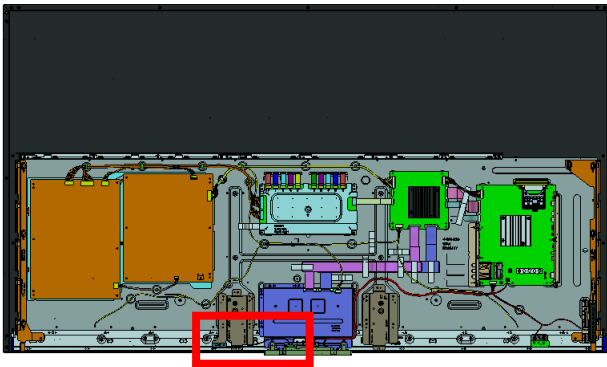
4-17. SP-BOX ASSY(W20-SQ LCH CH-ND)



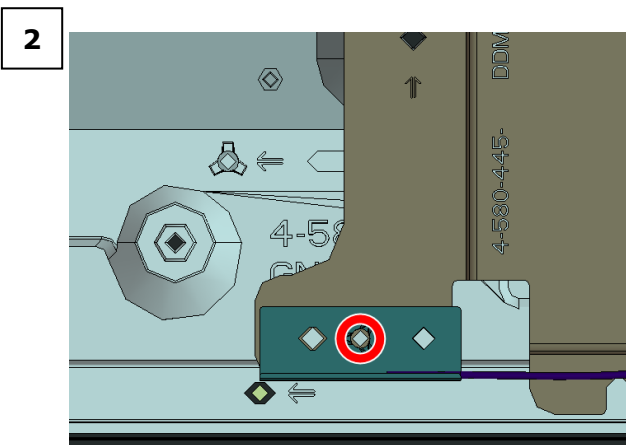
○ Screw (SCREW, +PSW M3X6 W12) P/N: 4-256-393-12

4. XBR-75X940D

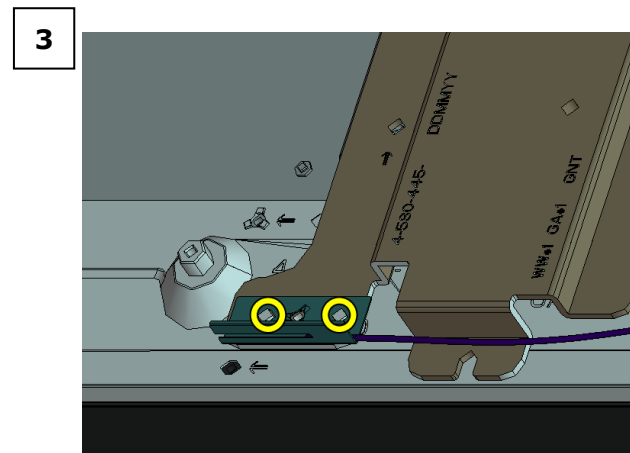
4-18. BT ANTENNA



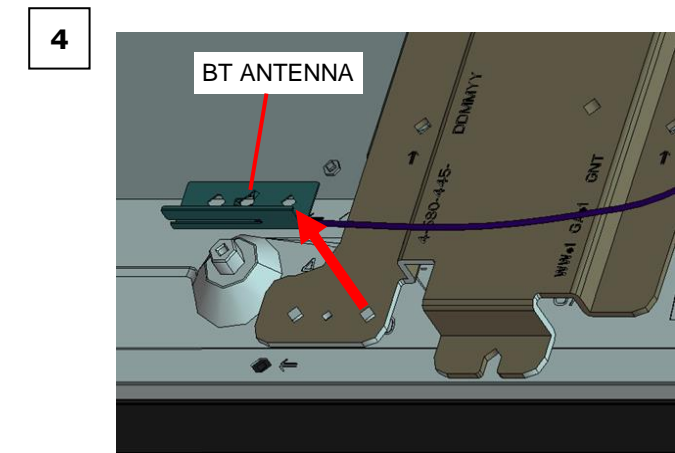
1



2



3

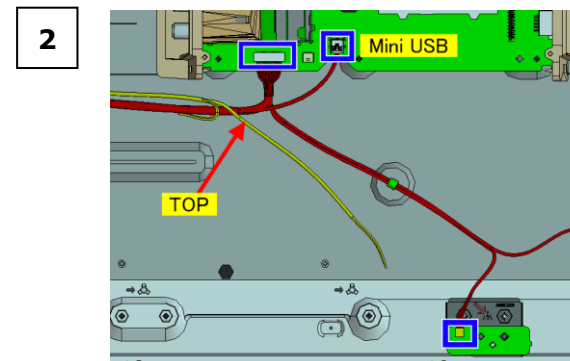
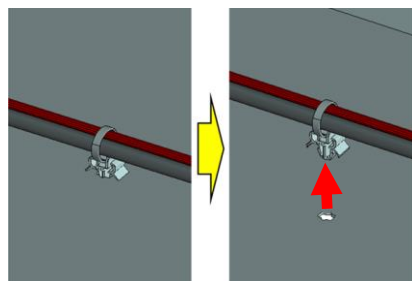
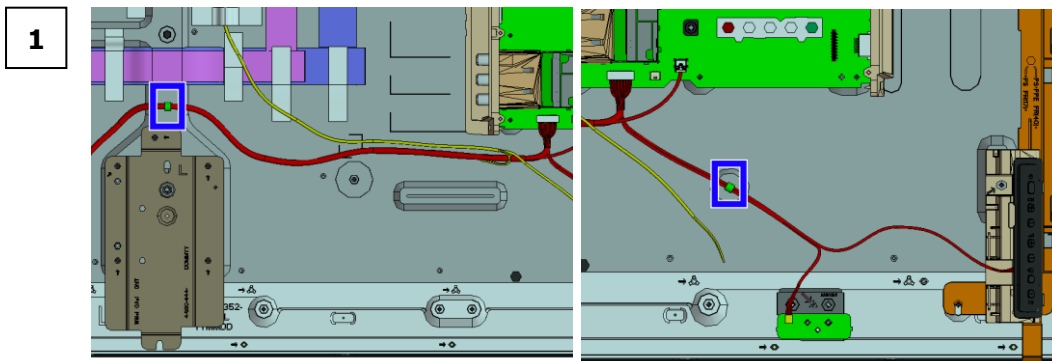
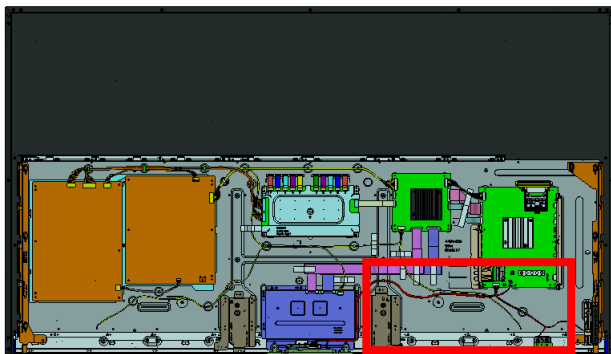


4

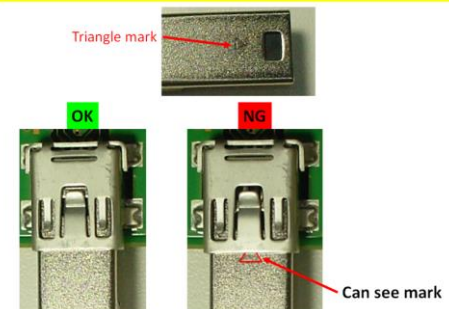
○ Screw (SCREW, +PSW M3X6) P/N: 4-472-518-11

4. XBR-75X940D

4-19. WIRE DRESSING

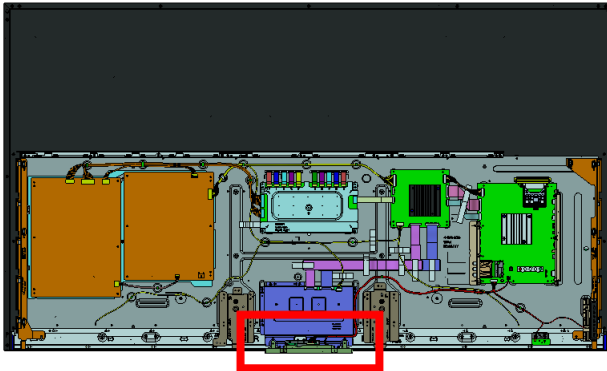


Check Mini USB connector condition.



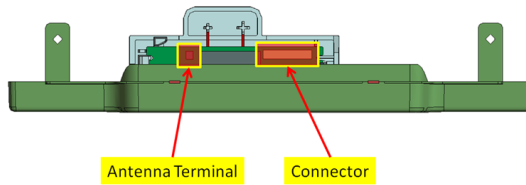
4. XBR-75X940D

4-20. SMART CORE (M)

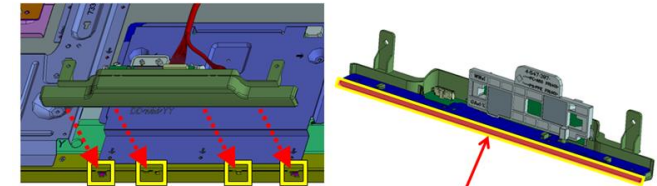


NOTES:

Don't touch these components while installing.

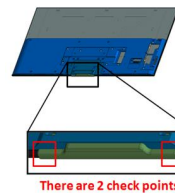


Don't scratch O/P with Bezel while installing.



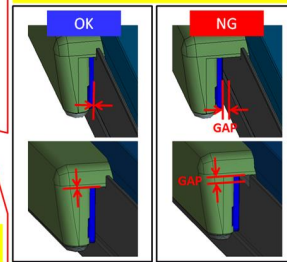
Ornament Panel

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



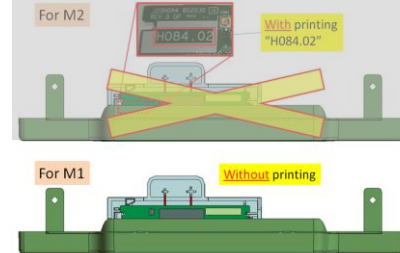
There are 2 check points.

※ Confirm opposite side also. When check the Gap, don't hold the Under Cover and Smart Core.

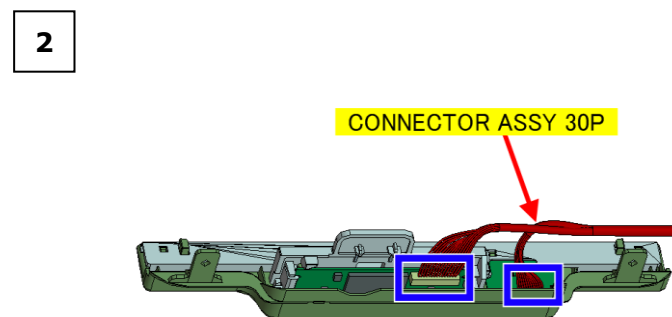
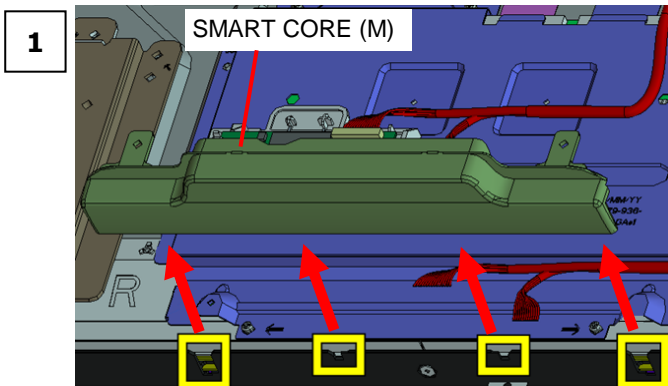


After confirmation of gap, tighten screw.

How to distinguish SC for M1 and M2

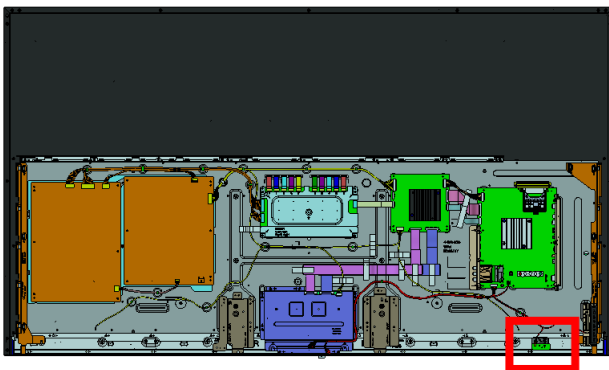


For This Model

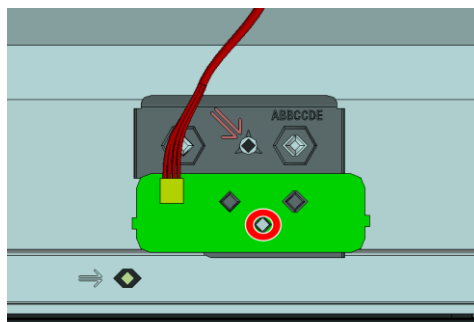


4. XBR-75X940D

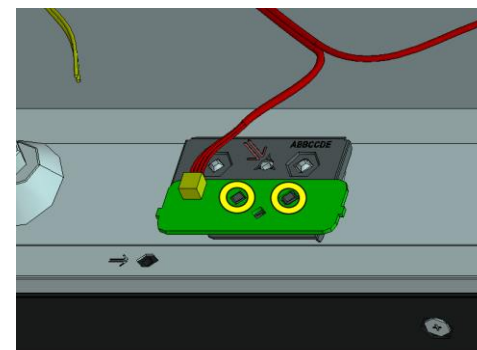
4-21. TSI AND BRACKET, TS



1

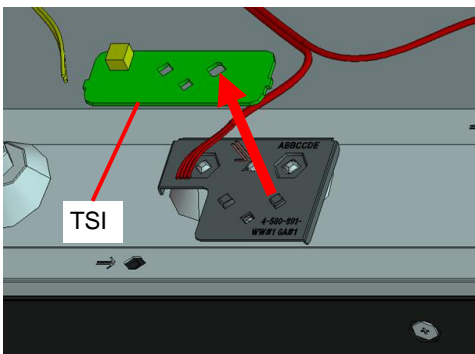


2

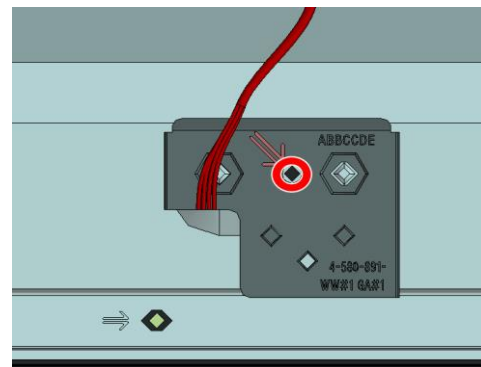


○ Screw (SCREW, +PSW M3X6) P/N: 4-472-518-11

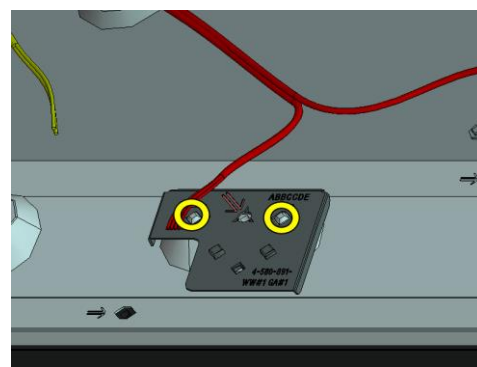
3



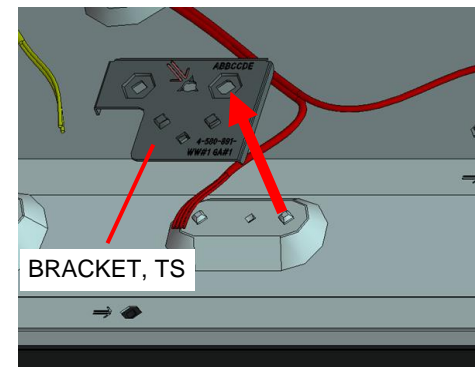
4



5



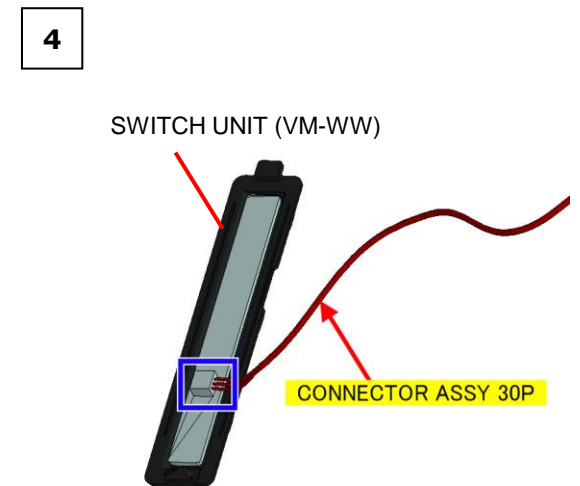
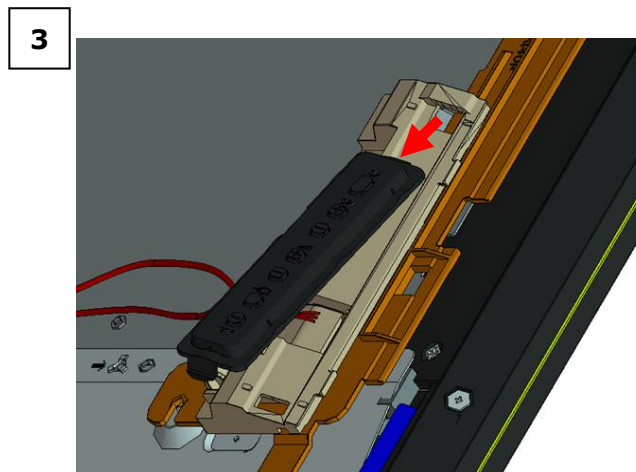
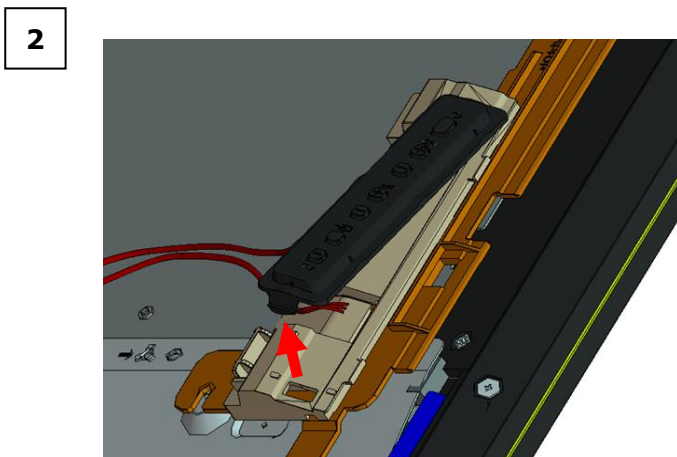
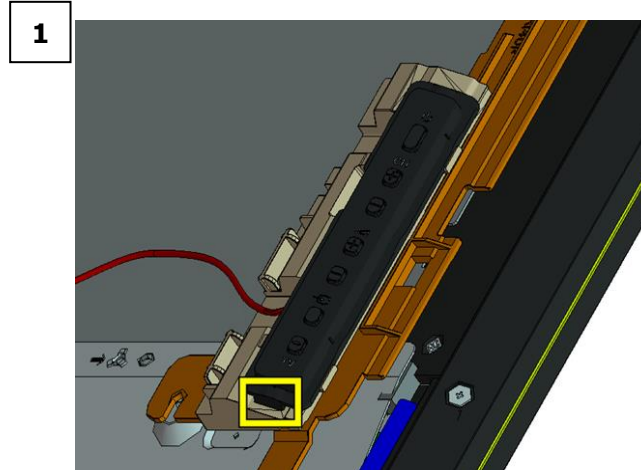
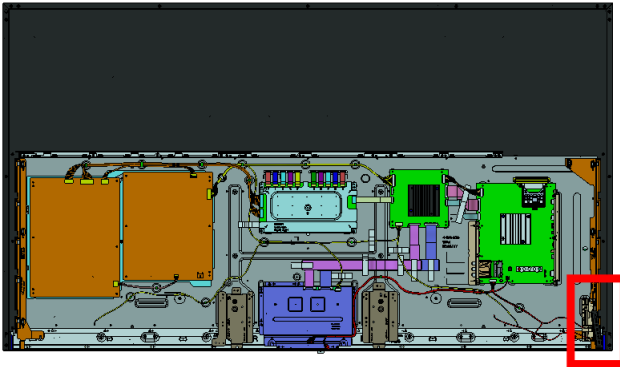
6



○ Screw (SCREW, +PSW M3X6) P/N: 4-472-518-11

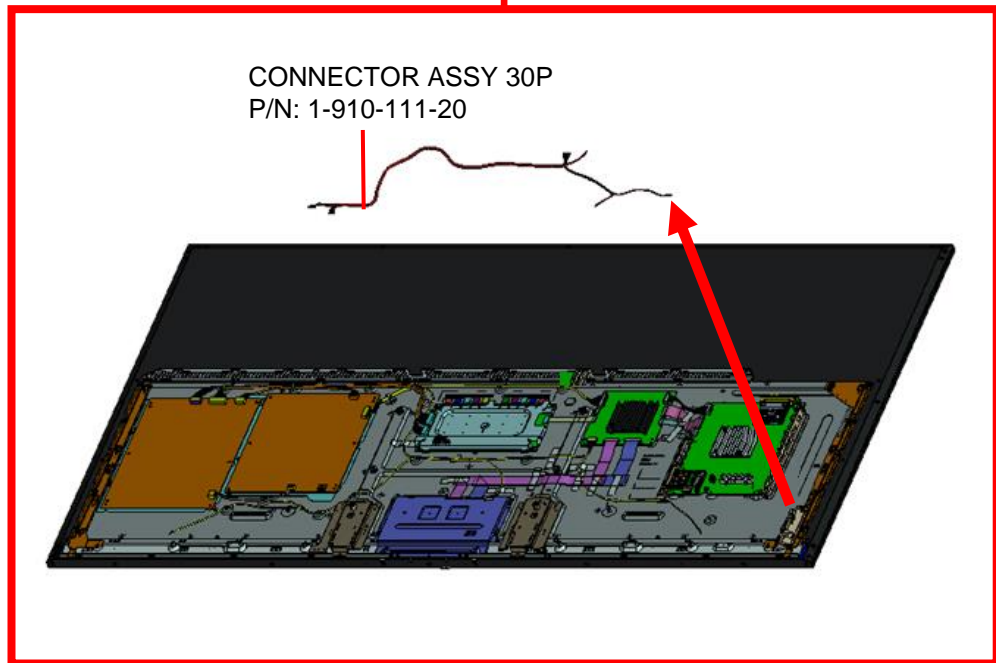
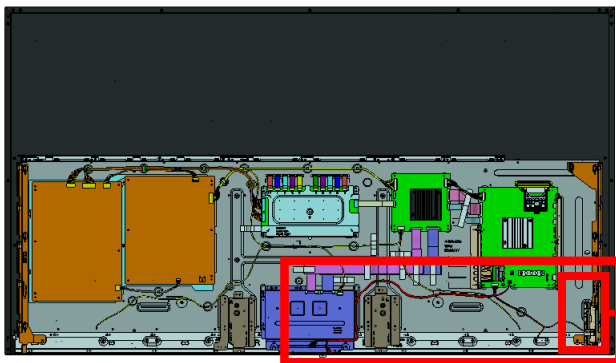
4. XBR-75X940D

4-22. SWITCH UNIT (VM-WW)



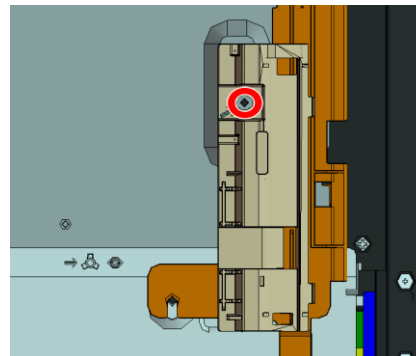
4. XBR-75X940D

4-23. CONNECTOR ASSY 30P AND HOLDER SIDE SW(GNT 3L M1)



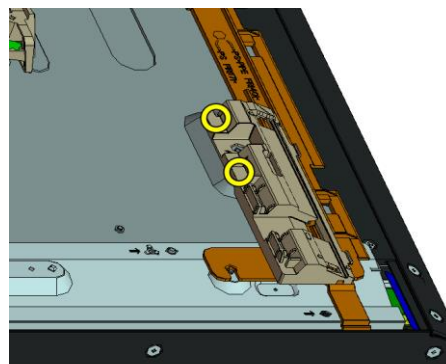
CONNECTOR ASSY 30P
P/N: 1-910-111-20

1

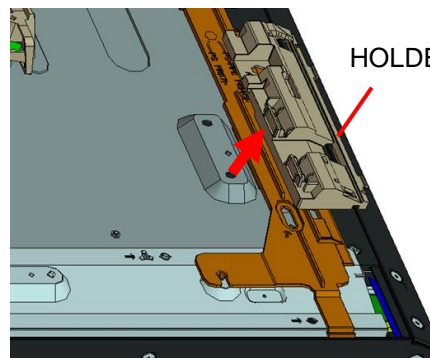


○ Screw (SCREW, +LH M3X2.1 STEP (GNT)) P/N: 4-586-665-01

2



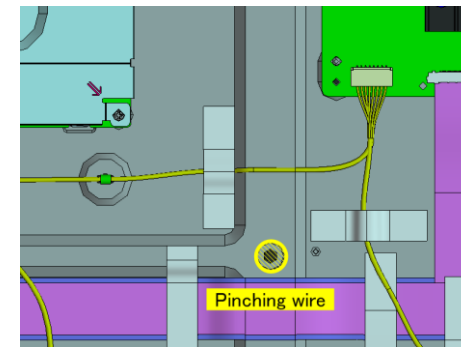
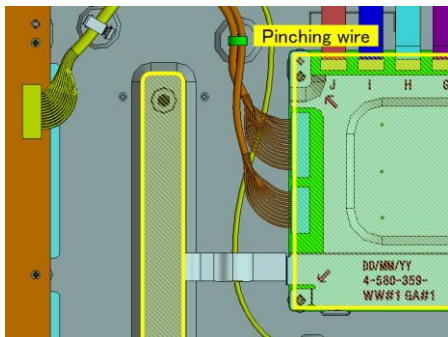
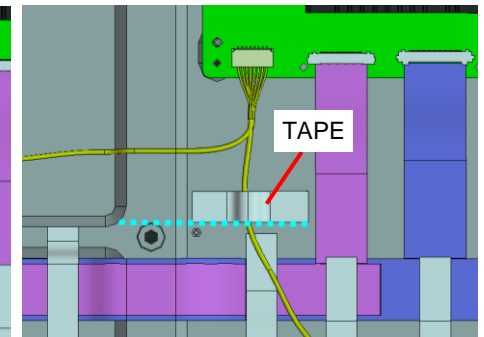
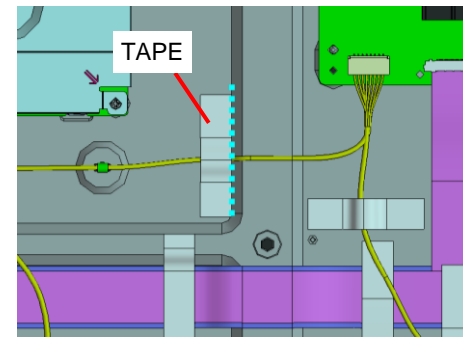
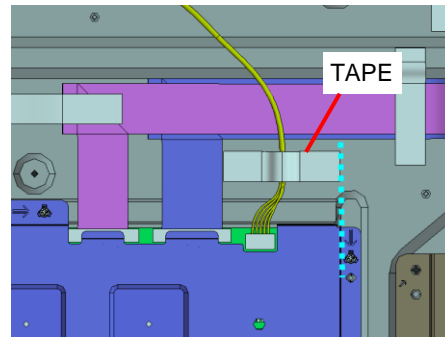
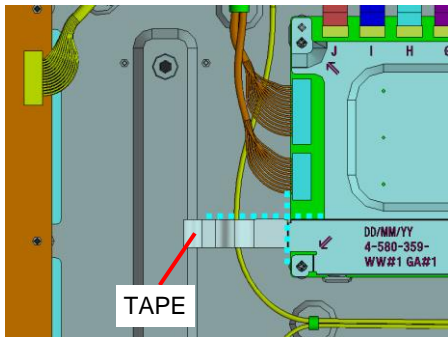
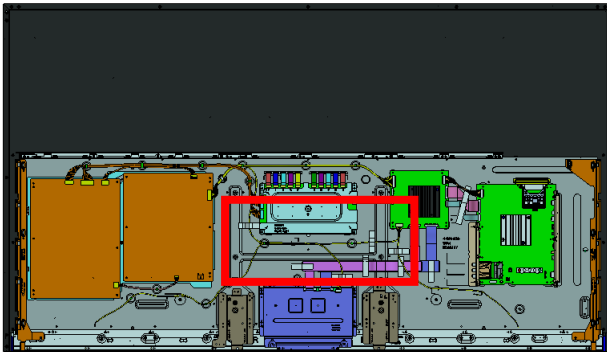
3



HOLDER SIDE SW(GNT 3L M1)

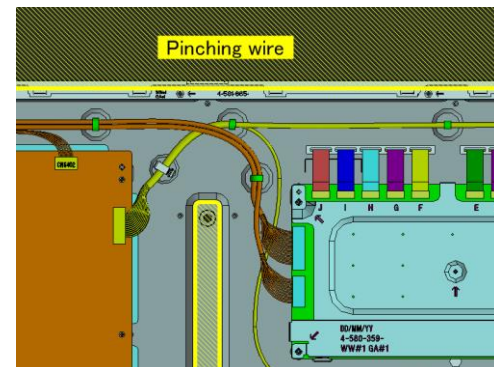
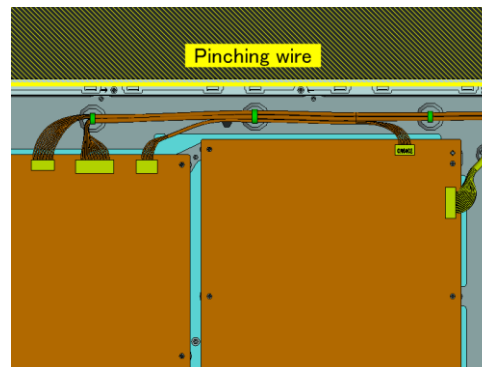
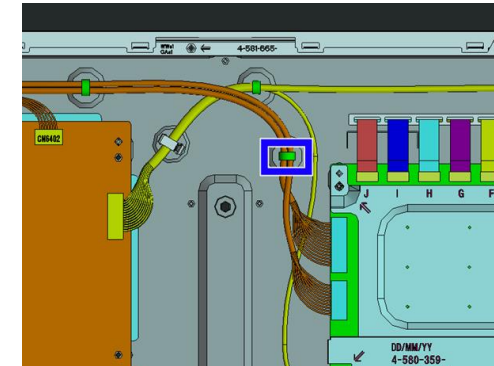
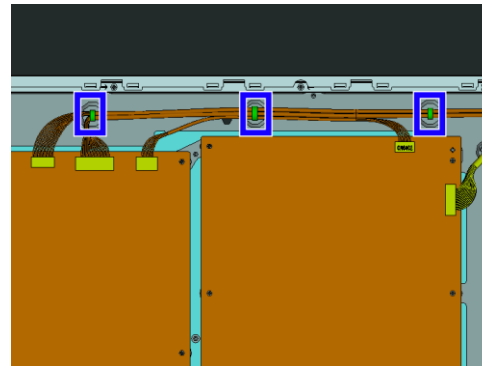
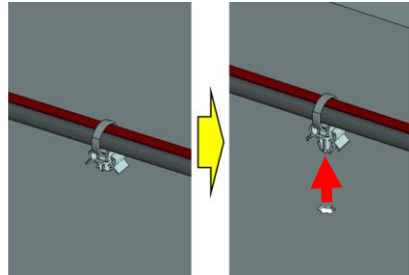
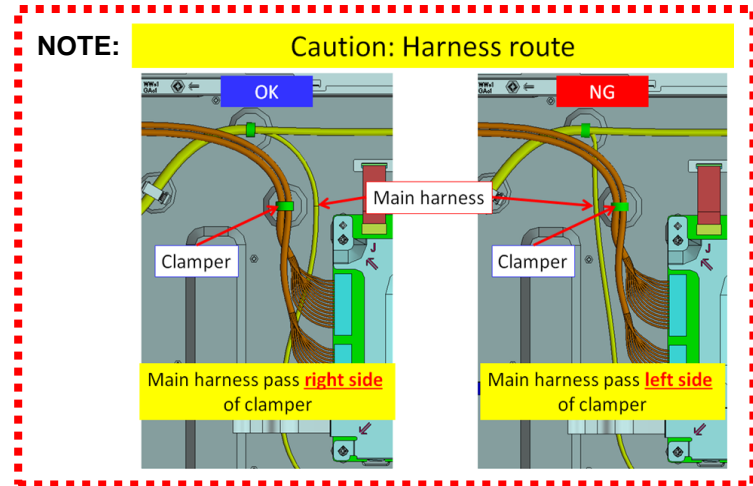
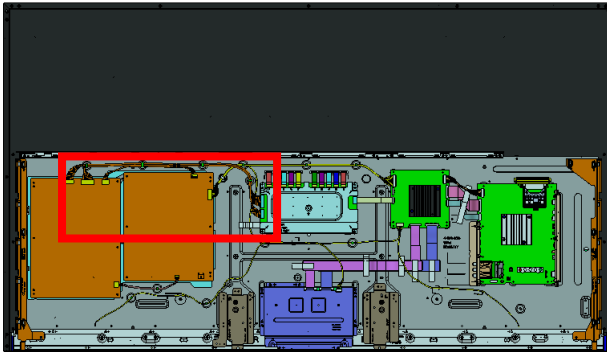
4. XBR-75X940D

4-24. TAPE



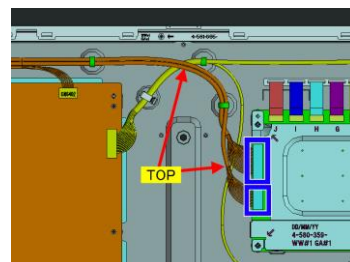
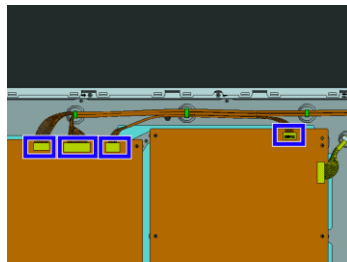
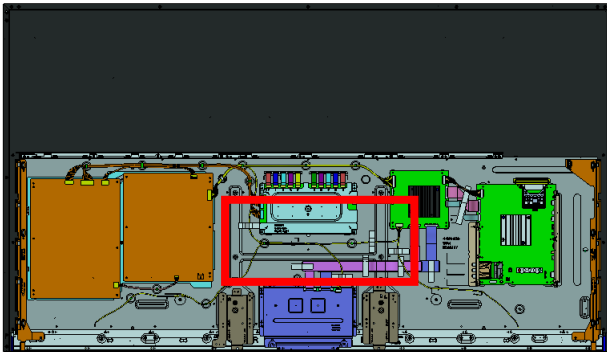
4. XBR-75X940D

4-25. WIRE DRESSING

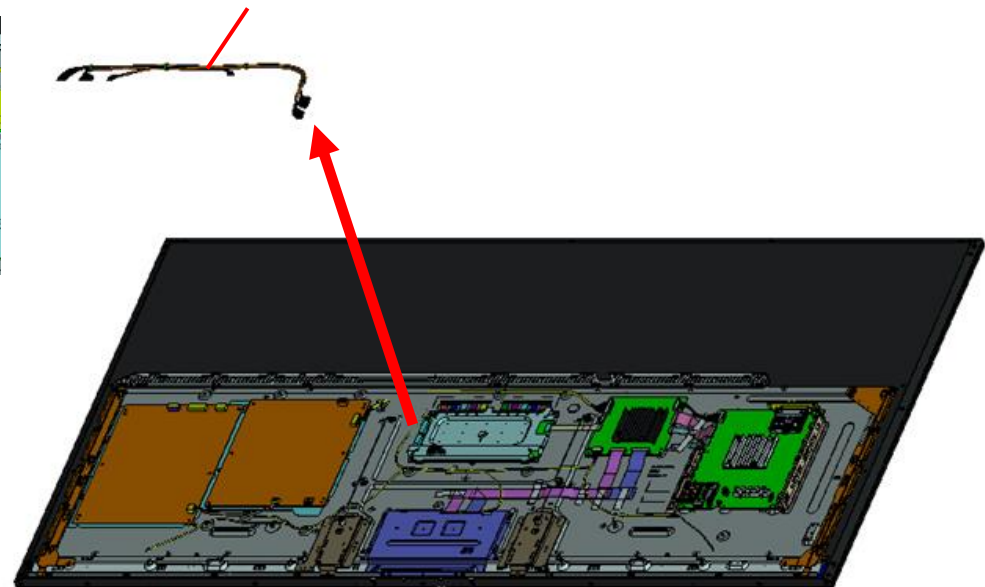


4. XBR-75X940D

4-26. HARNESS ASSY(GDLD)

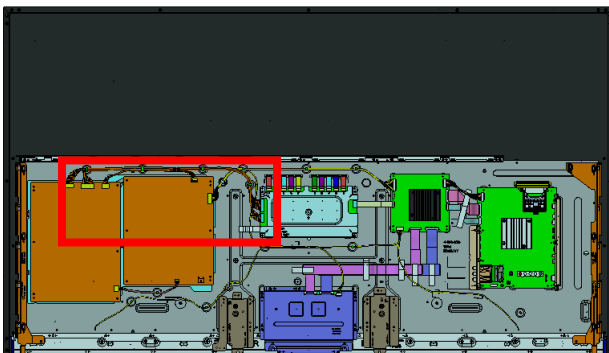


HARNESS ASSY(GDLD)
P/N: 1-910-111-18

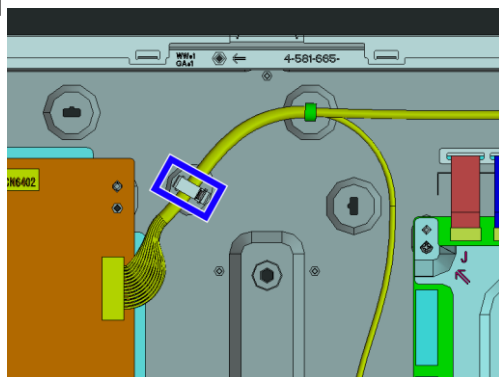


4. XBR-75X940D

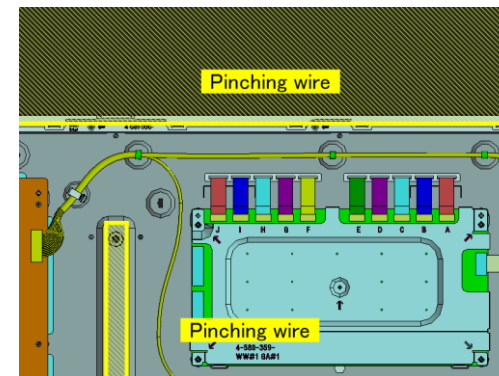
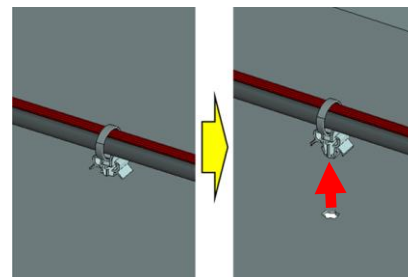
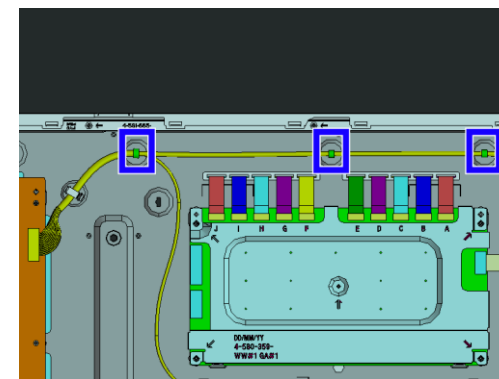
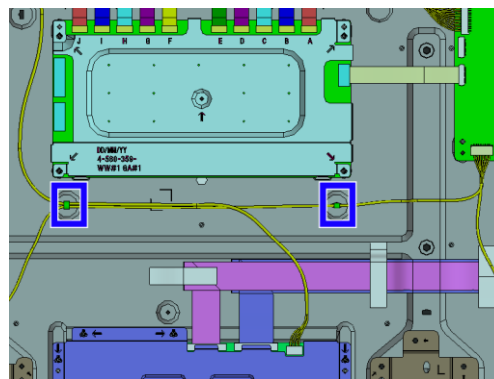
4-27. WIRE DRESSING



1

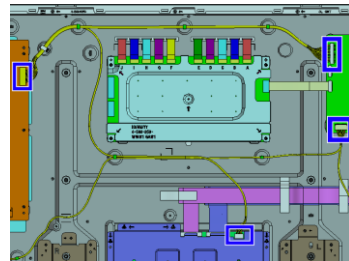
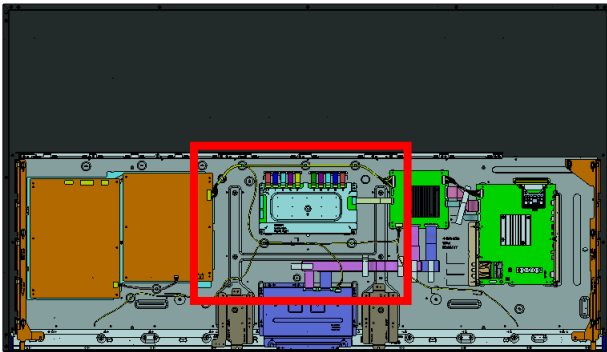


2

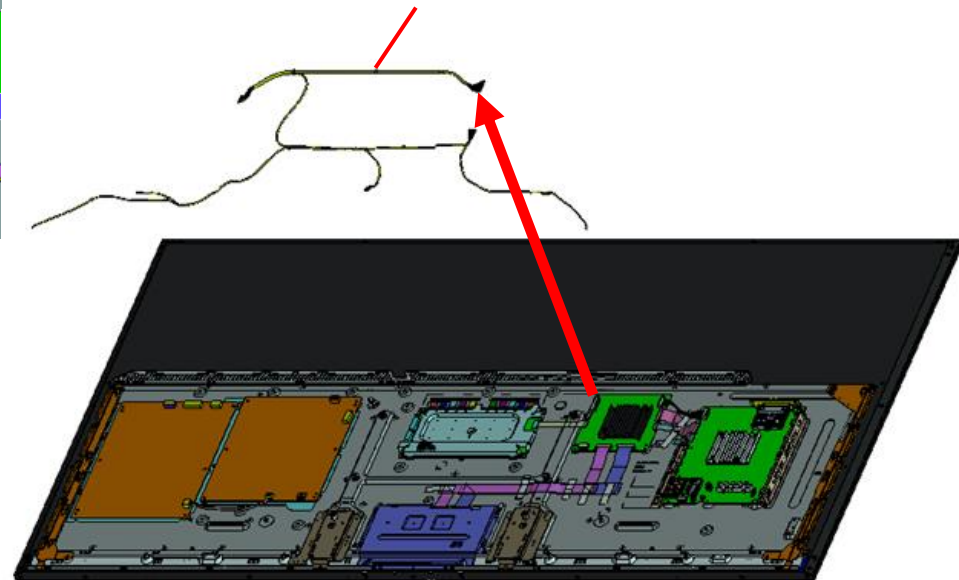


4. XBR-75X940D

4-28. HARNESS ASSY (MAIN)

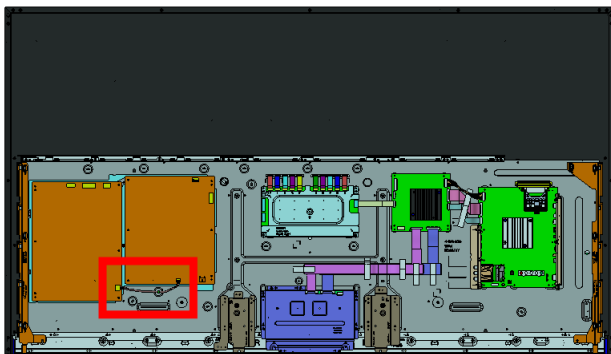


HARNESS ASSY (MAIN)
P/N: 1-910-111-17

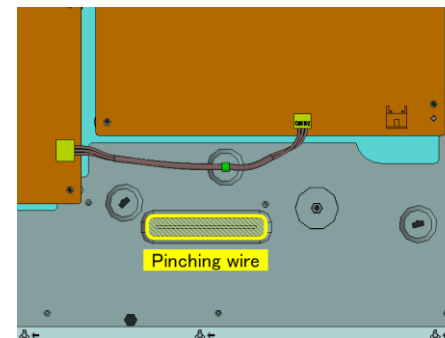
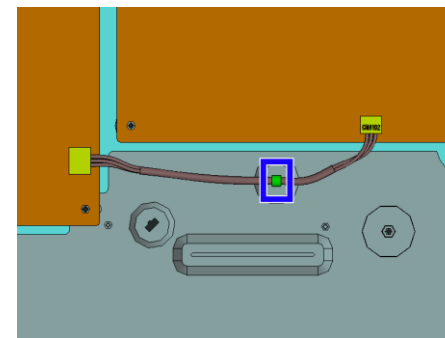
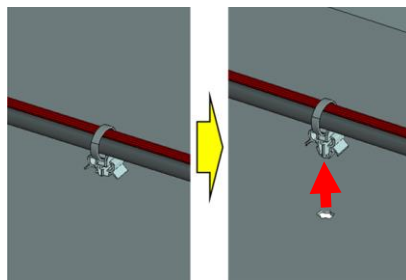


4. XBR-75X940D

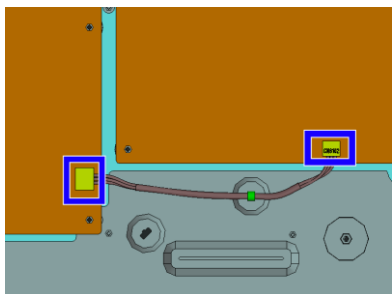
4-29. WIRE DRESSING AND CONNECTOR ASSY 3P



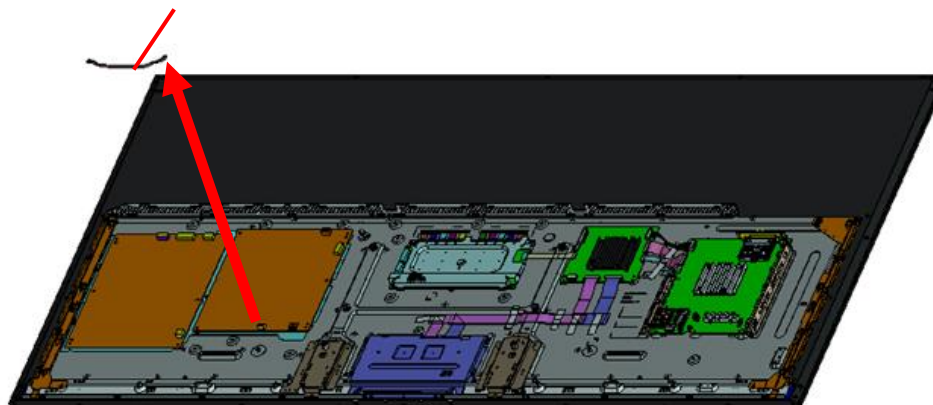
1



2

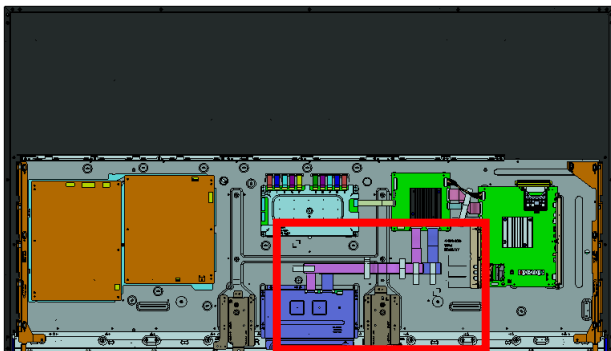


CONNECTOR ASSY 3P
P/N: 1-849-358-11

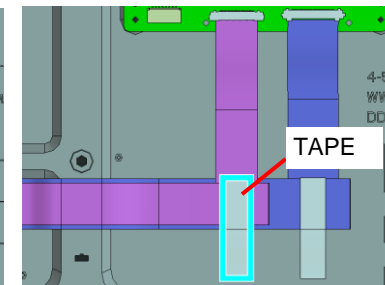
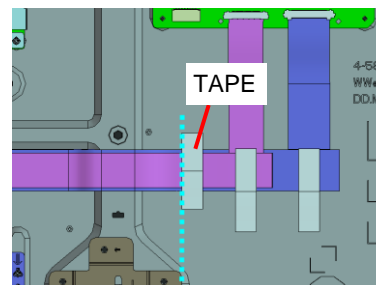
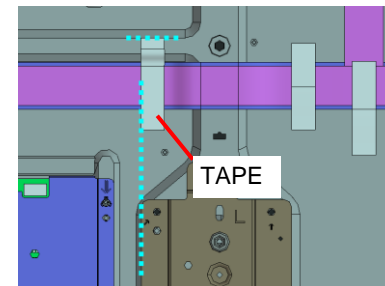
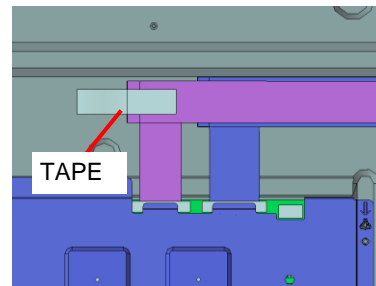
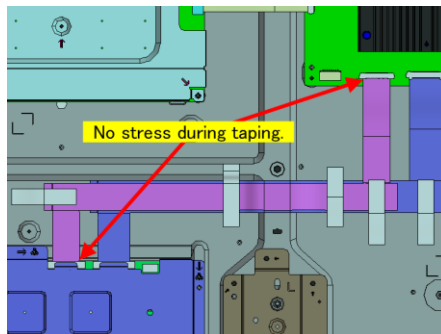


4. XBR-75X940D

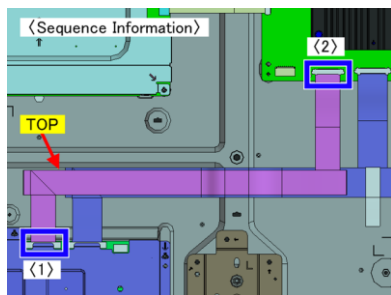
4-30. TAPE AND FLEXIBLE FLAT CABLE 41P



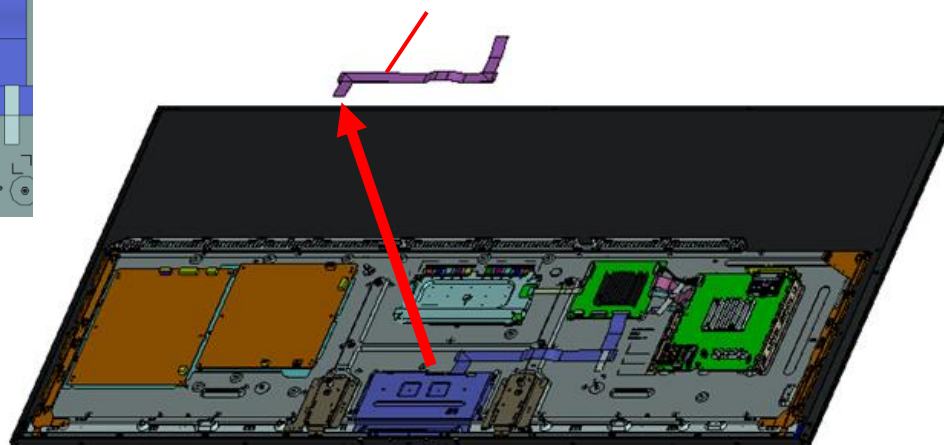
1



2

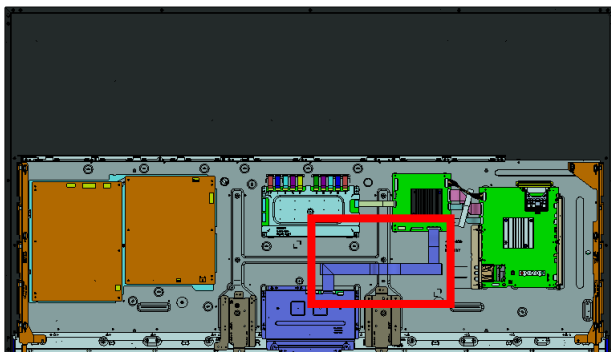


FLEXIBLE FLAT CABLE 41P
P/N: 1-849-349-11

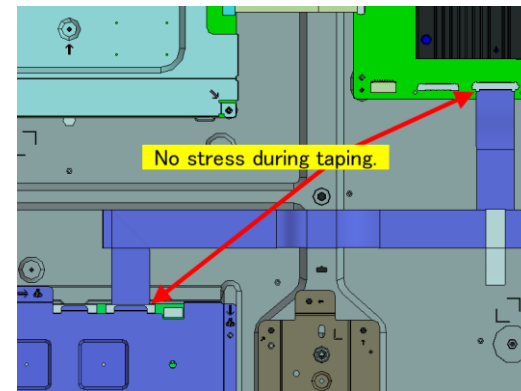
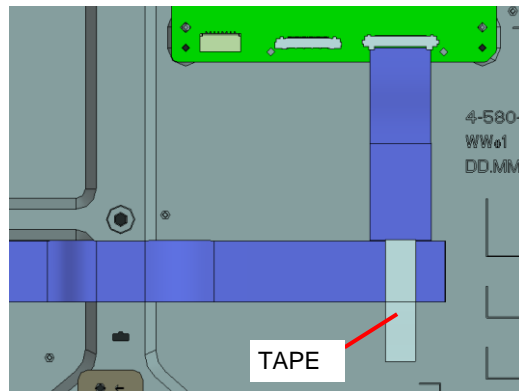


4. XBR-75X940D

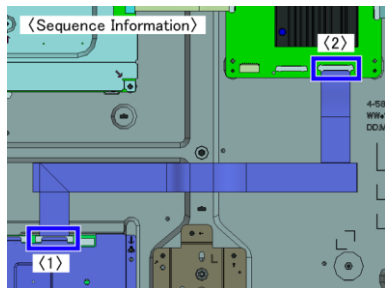
4-31. TAPE AND FLEXIBLE FLAT CABLE 51P



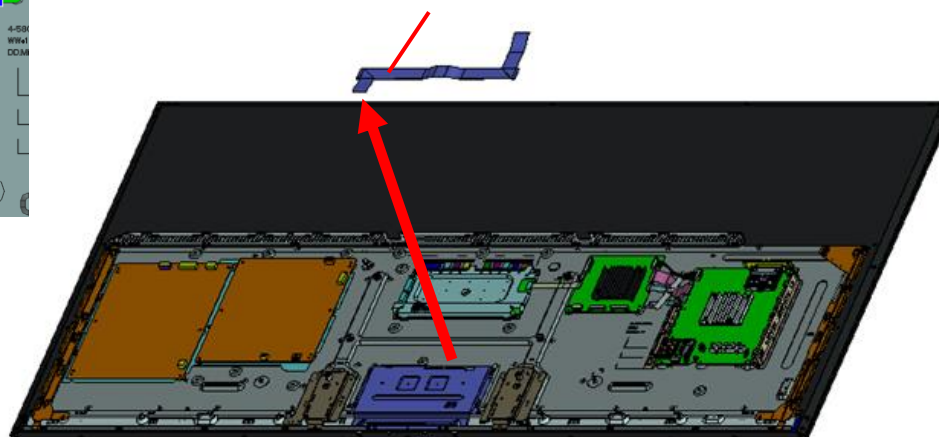
1



2

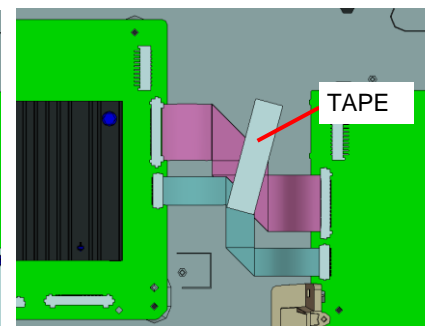
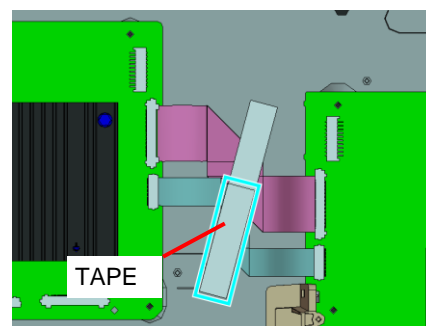
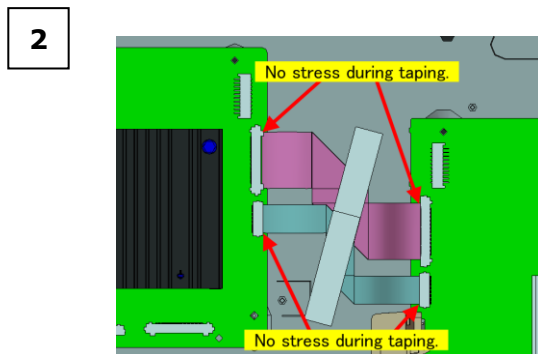
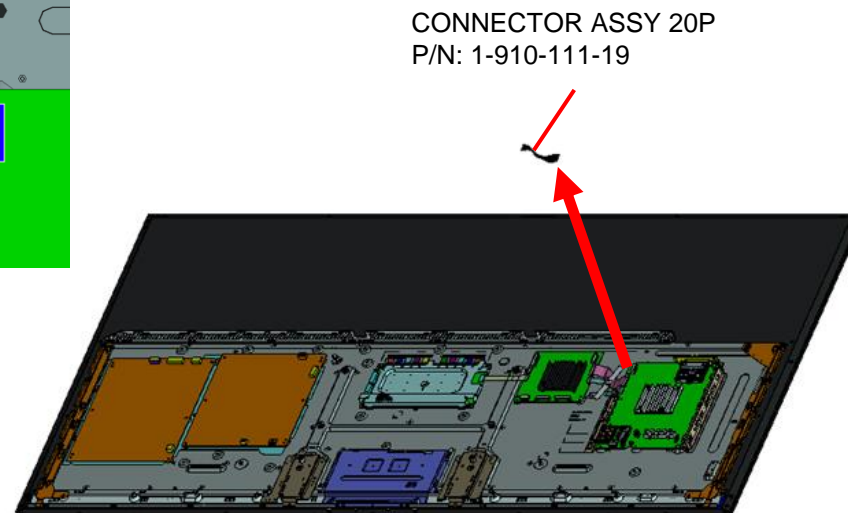
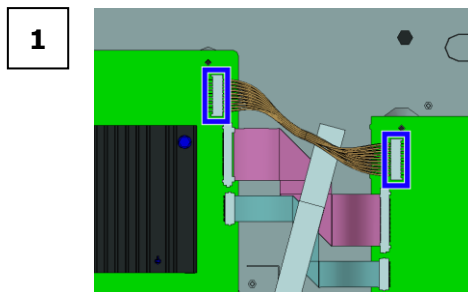
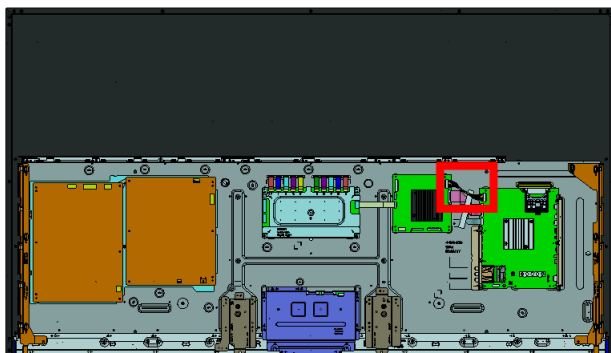


FLEXIBLE FLAT CABLE 51P
P/N: 1-849-347-11



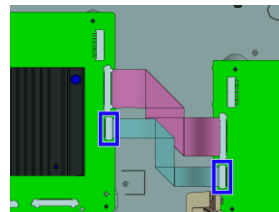
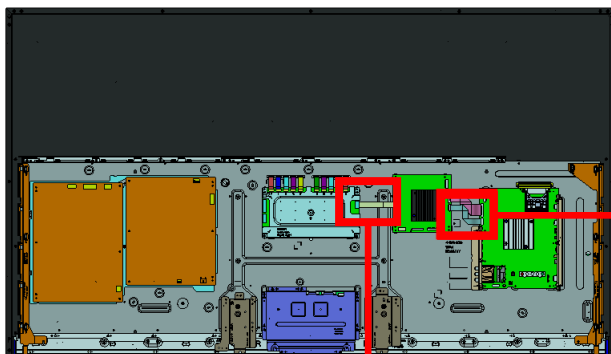
4. XBR-75X940D

4-32. CONNECTOR ASSY 20P AND TAPE

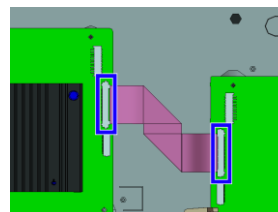
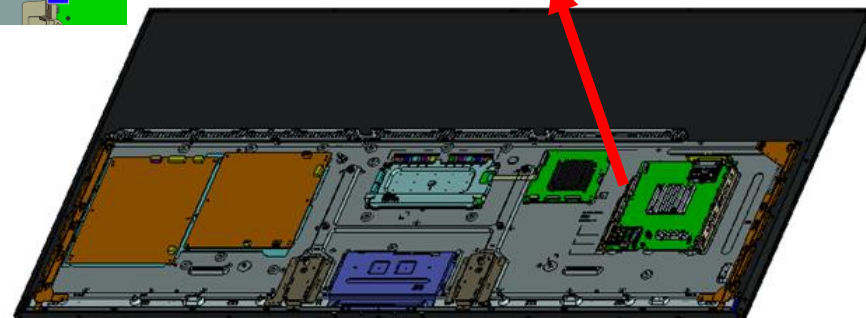


4. XBR-75X940D

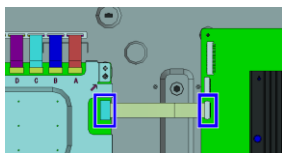
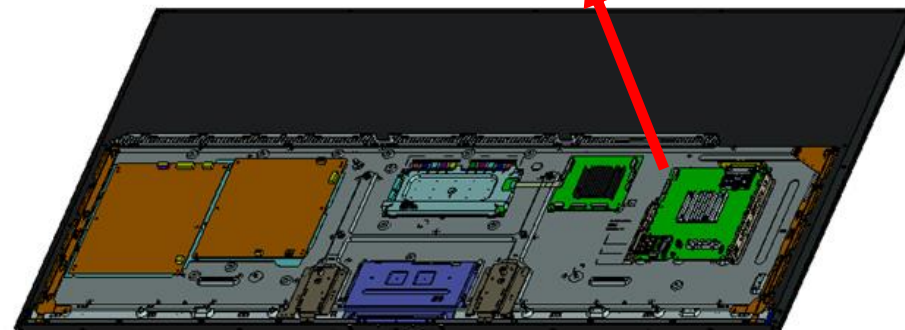
4-33. FLEXIBLE FLAT CABLE 30P(BD) AND FLEXIBLE FLAT CABLE 51P AND FLEXIBLE FLAT CABLE 30P



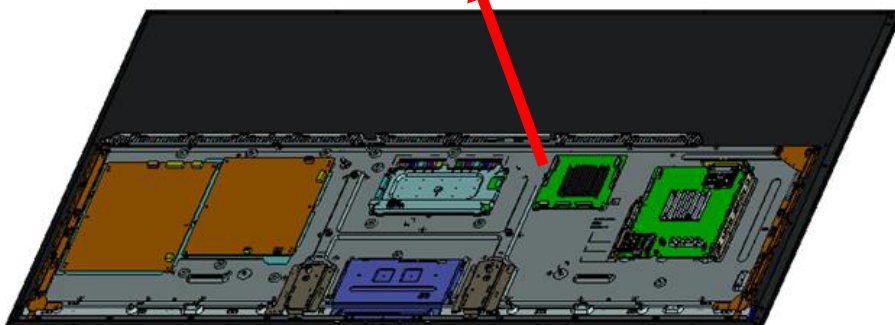
FLEXIBLE FLAT CABLE 30P(BD)
P/N: 1-910-111-16



FLEXIBLE FLAT CABLE 51P
P/N: 1-849-348-11

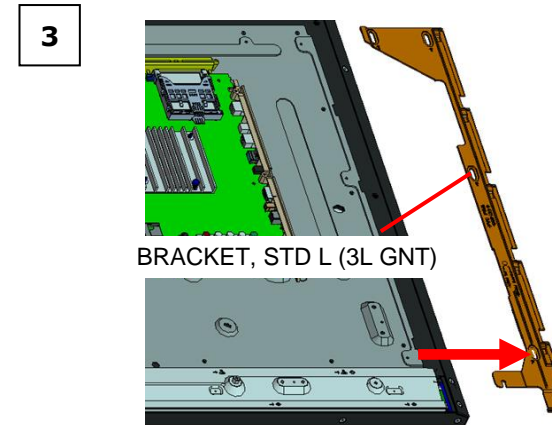
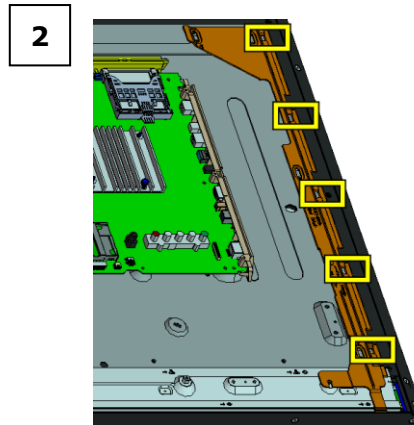
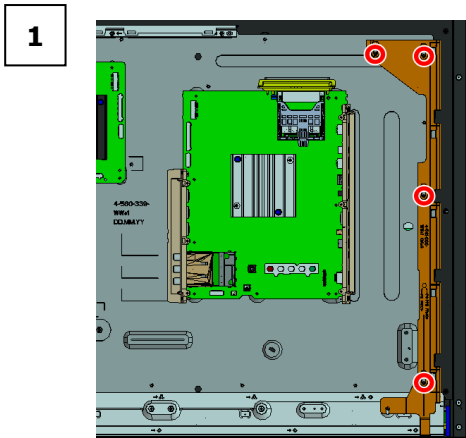
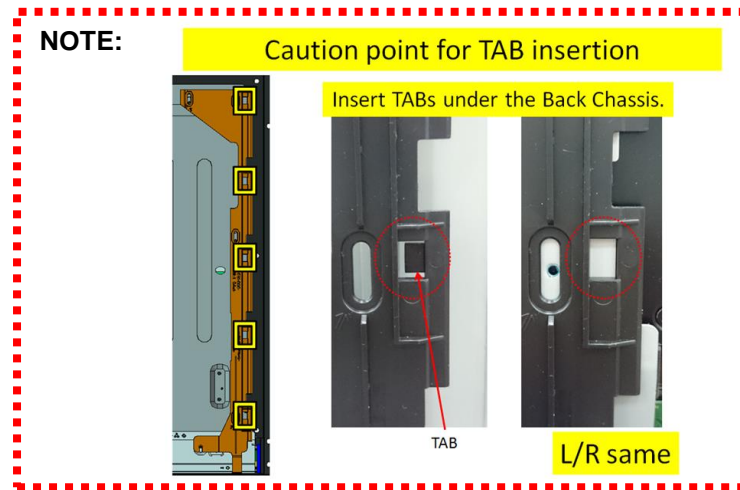
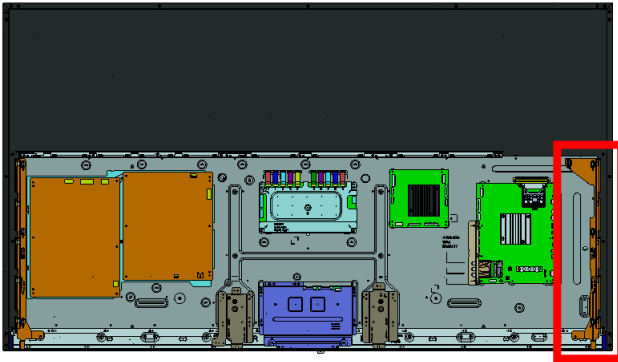


FLEXIBLE FLAT CABLE 30P
P/N: 1-910-111-15



4. XBR-75X940D

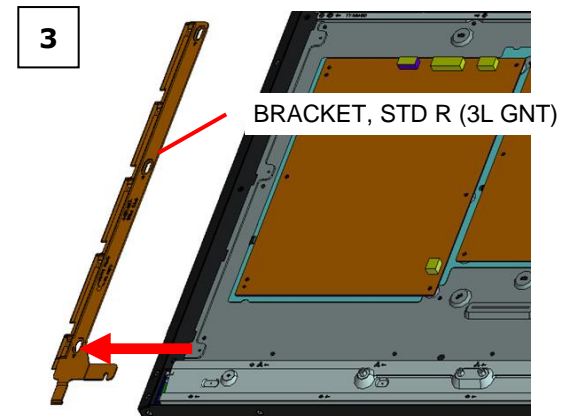
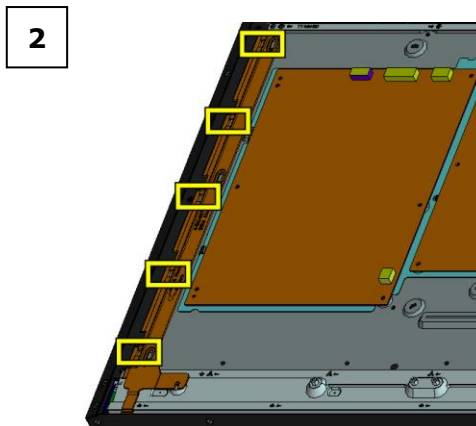
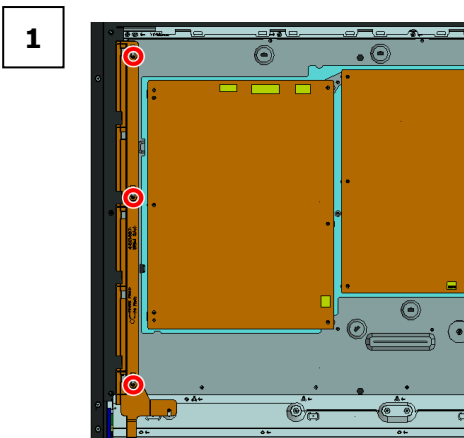
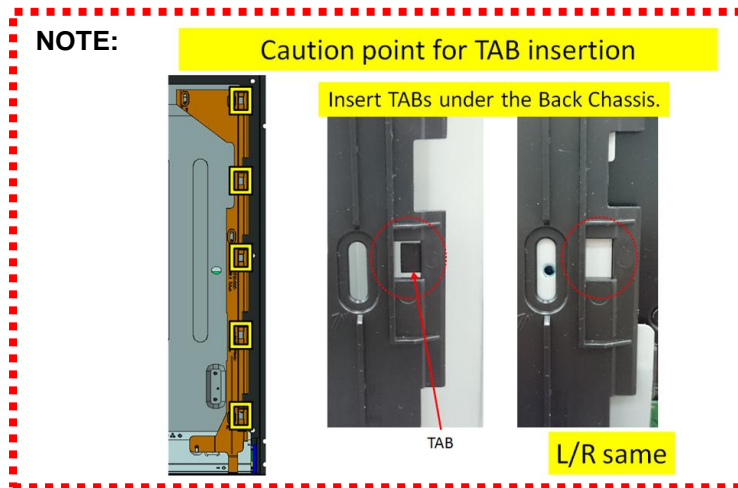
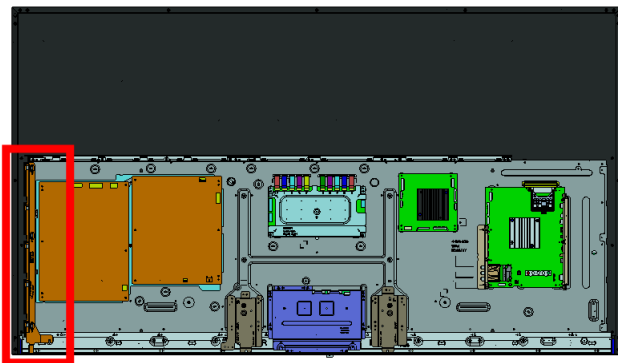
4-34. BRACKET, STD L (3L GNT)



○ 4 screws (SCREW, +LH M3X2.1 STEP (GNT)) P/N: 4-586-665-01

4. XBR-75X940D

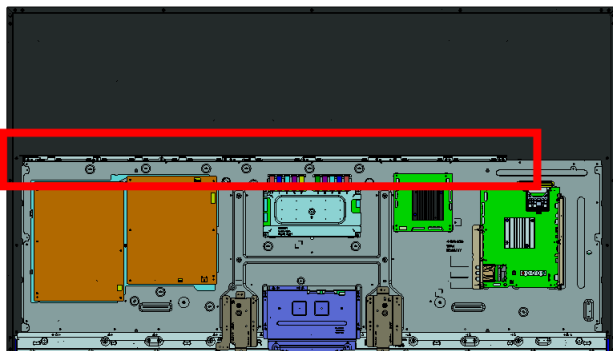
4-35. BRACKET, STD R (3L GNT)



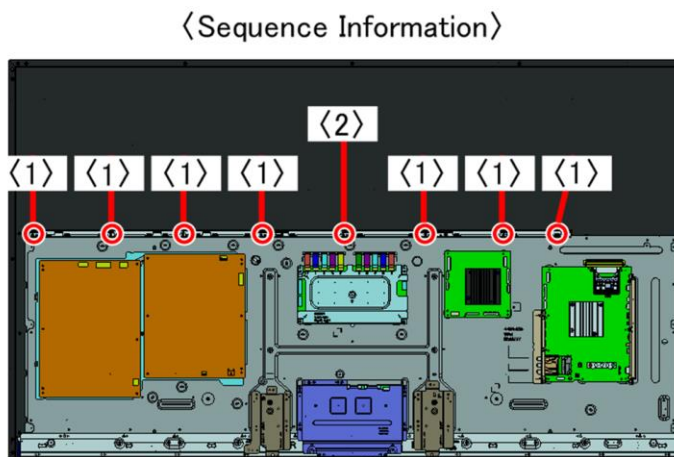
○ 3 screws (SCREW, +LH M3X2.1 STEP (GNT)) P/N: 4-586-665-01

4. XBR-75X940D

4-36. TOP COVER (3L GNT)

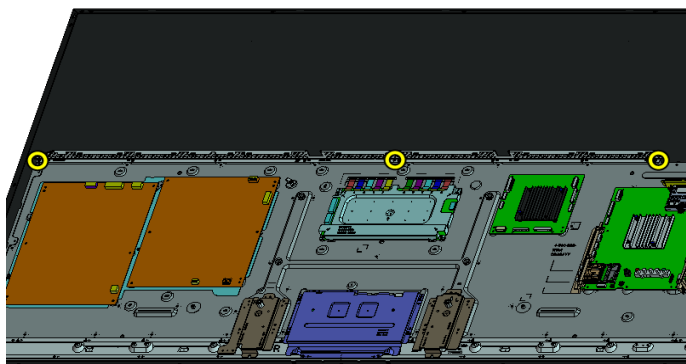


1



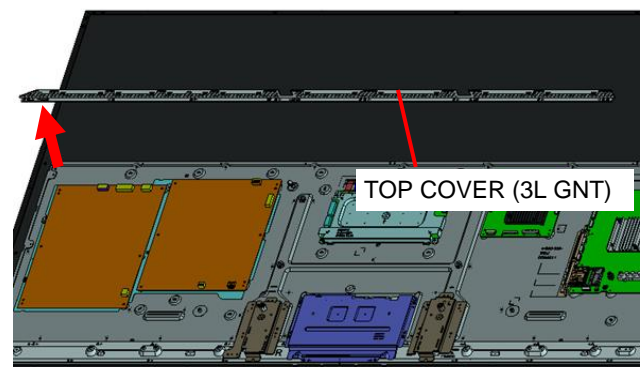
8 screws (SCREW, +PSW M3X6) P/N: 4-472-518-11

2



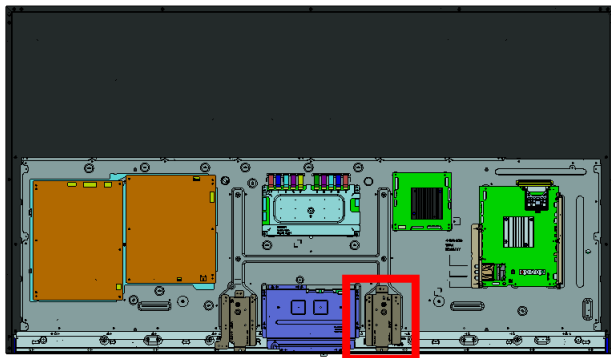
3

Don't scratch panel while installing.

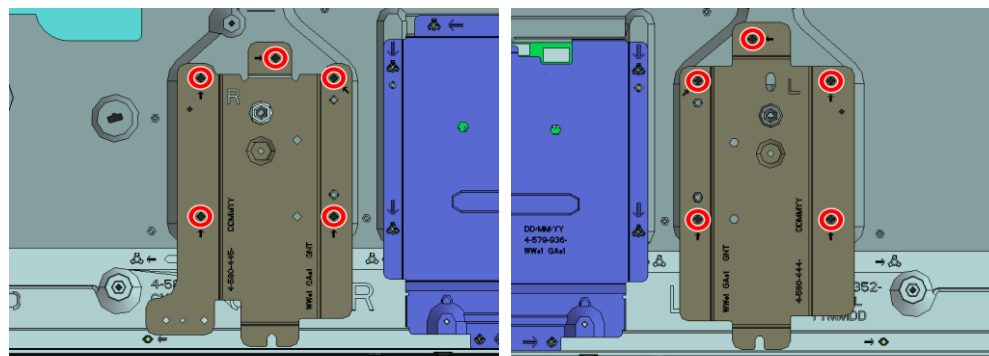


4. XBR-75X940D

4-37. BRACKET, STD R (3L GNT) AND BRACKET, STD L (3L GNT)

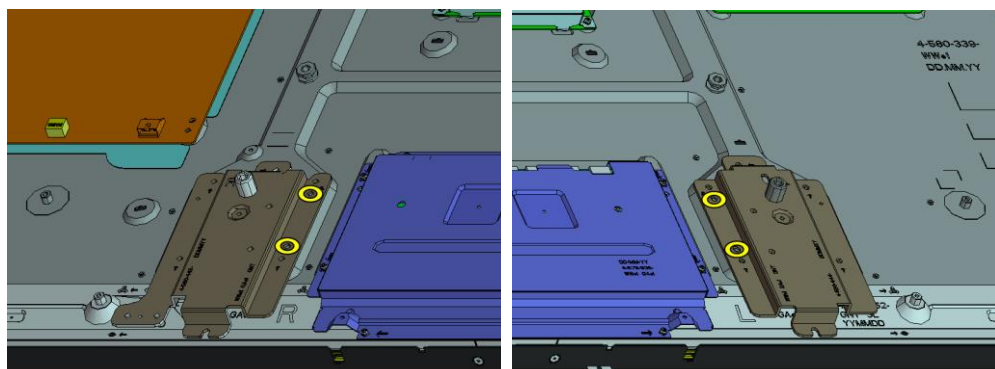


1

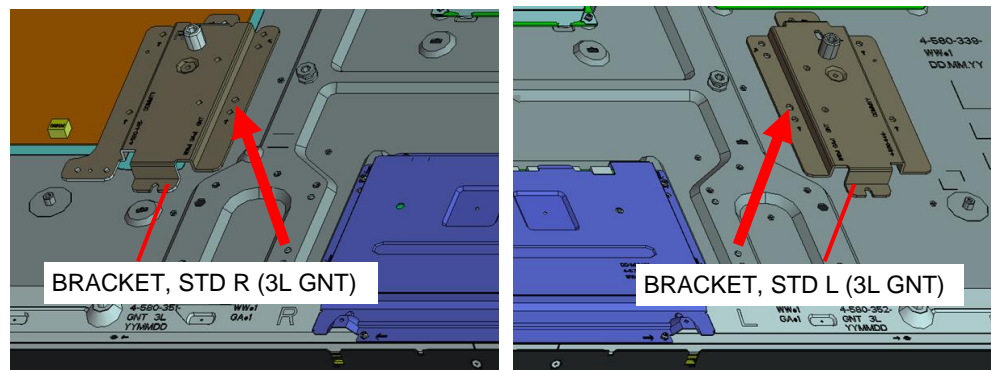


○ 10 screws (SCREW, +PSW M4X8) P/N: 2-580-600-01

2



3

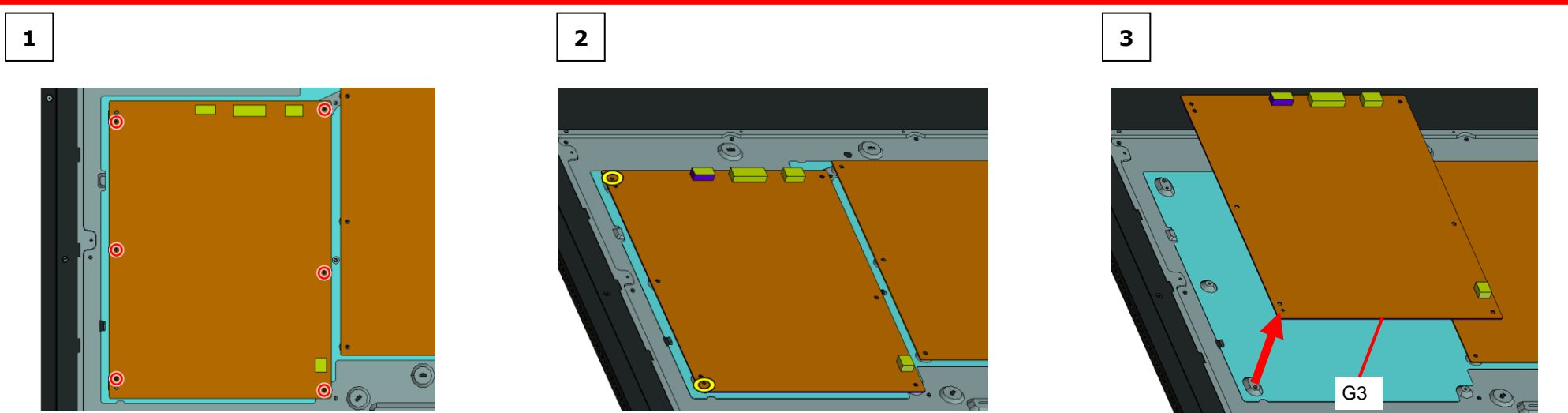
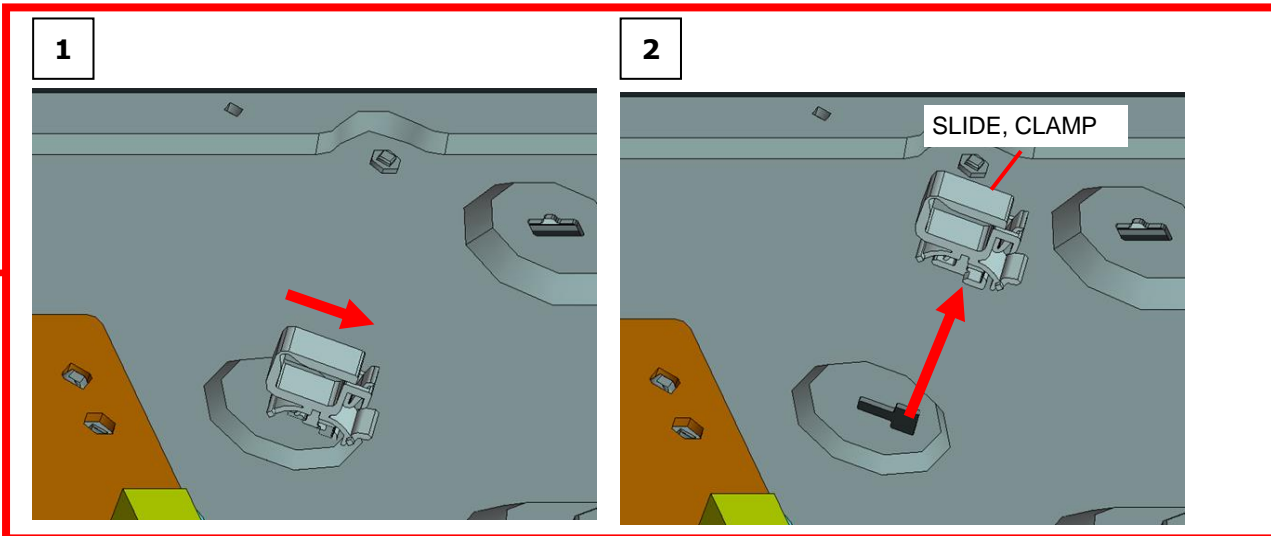
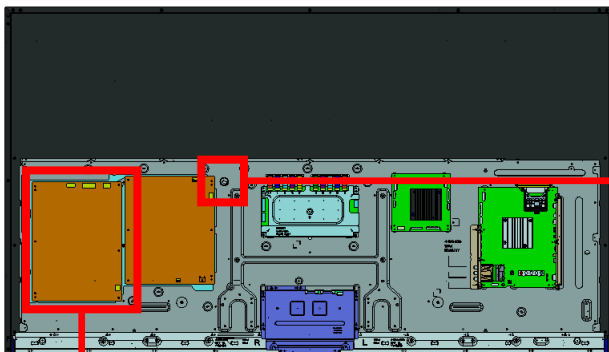


BRACKET, STD R (3L GNT)

BRACKET, STD L (3L GNT)

4. XBR-75X940D

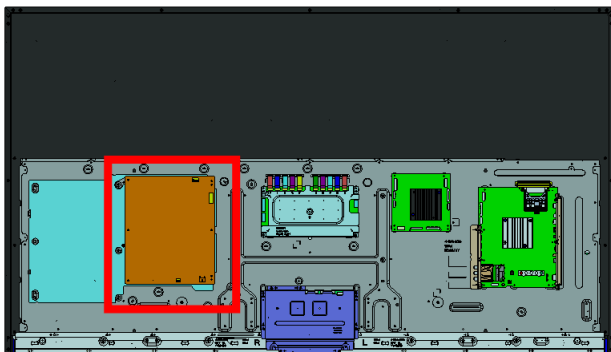
4-38. SLIDE, CLAMP AND G3



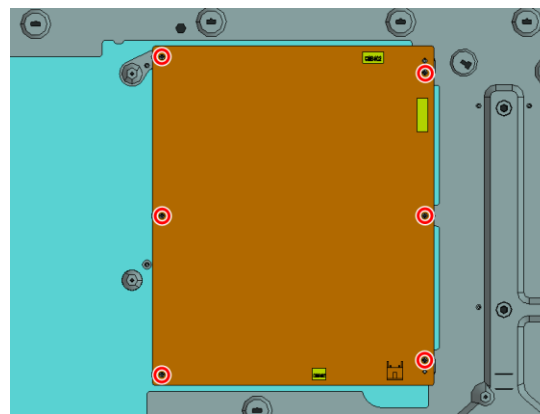
⊙ 6 screws (SCREW, +PSW M3X6 W12) P/N: 4-256-393-12

4. XBR-75X940D

4-39. G2

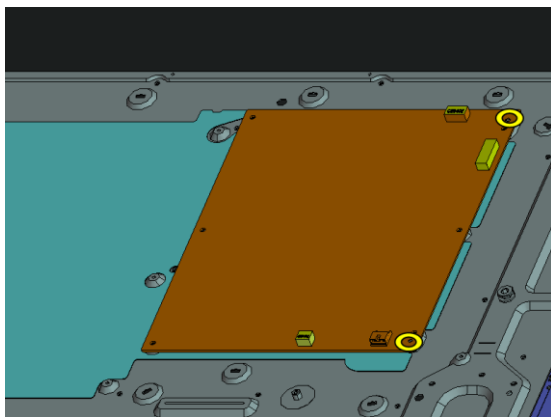


1

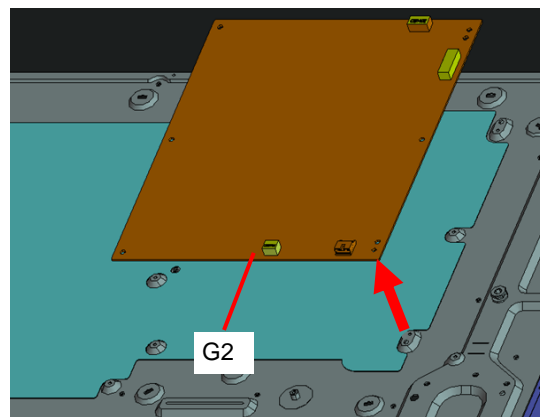


6 screws (SCREW, +PSW M3X6 W12) P/N: 4-256-393-12

2

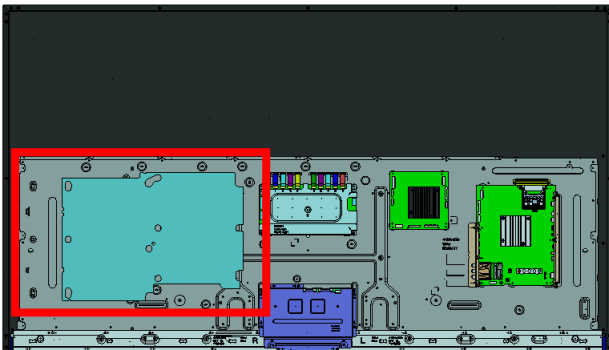


3



4. XBR-75X940D

4-40. SHEET, INSULATION(GNT 3L)

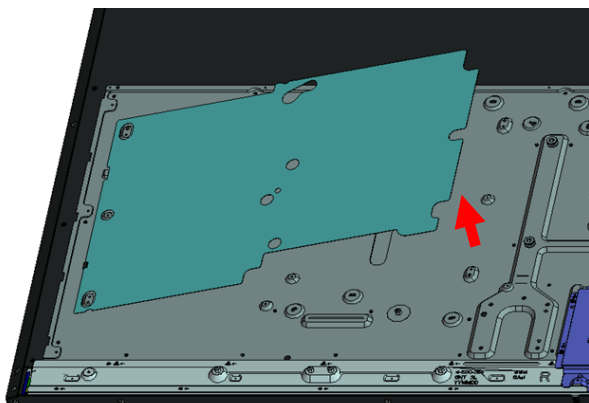


NOTE:

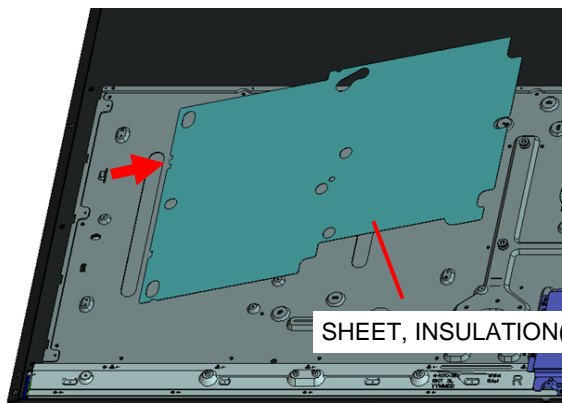
The diagram shows the following steps:

- Slide in:** An arrow points to the left edge of the insulation sheet, labeled 'Slide in'.
- Slide:** An arrow points to the bottom edge of the insulation sheet, labeled 'Slide'.
- Callout 1:** A close-up view showing a yellow arrow pointing to the right with the text $X: +1.5/-0$. Below it, a yellow box says "Install tabs in the half-cut emboss".
- Callout 2:** A close-up view showing a yellow arrow pointing to the right with the text $X: +1.5/-0$. Below it, a yellow box says "Install cut of insulation sheet into Panel edge".

1

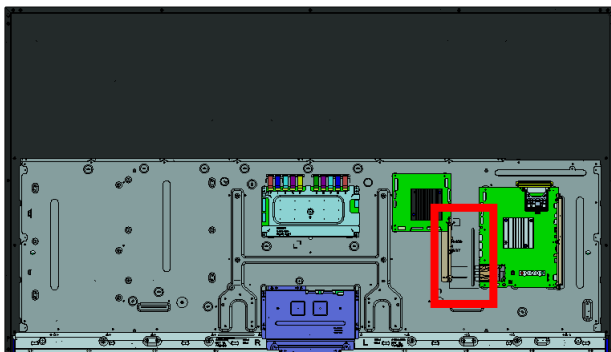


2

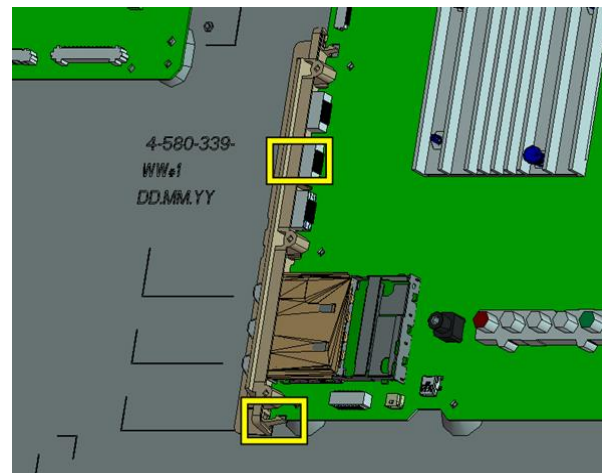


4. XBR-75X940D

4-41. BRACKET, INSIDE (PDT 3L)



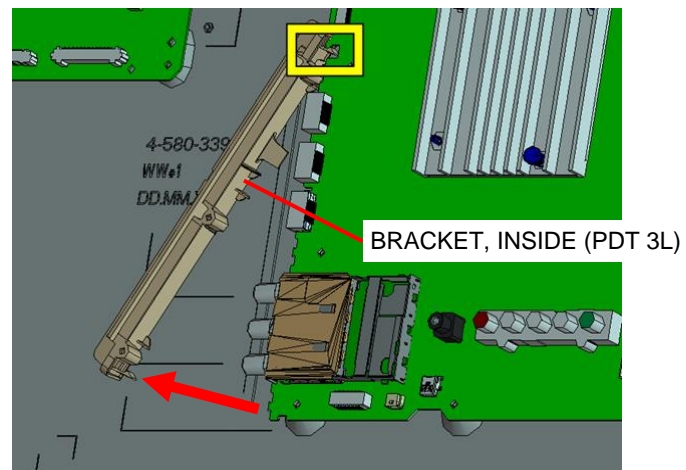
1



2

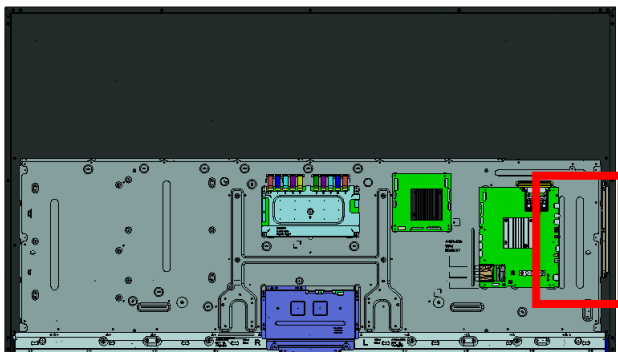


3

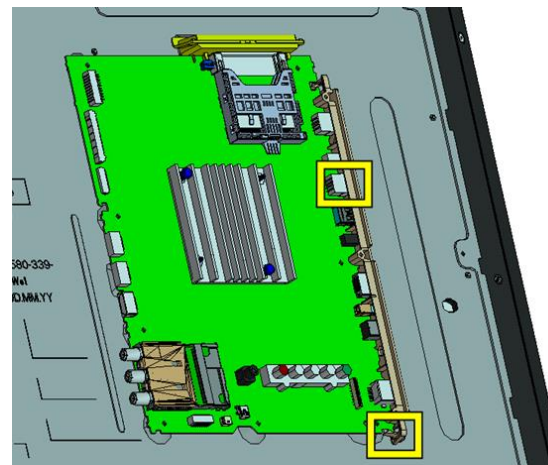


4. XBR-75X940D

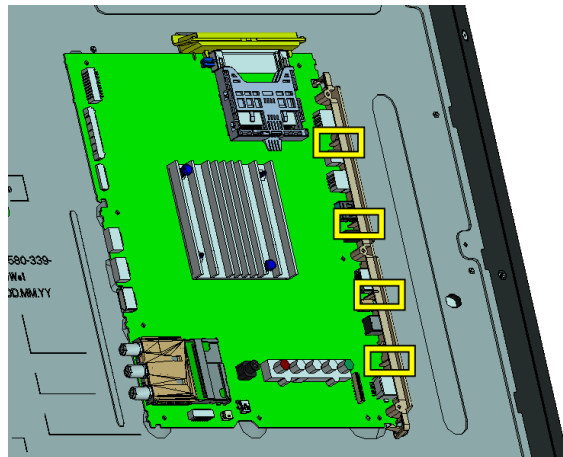
4-42. BRACKET, SIDE (PDT 3L)



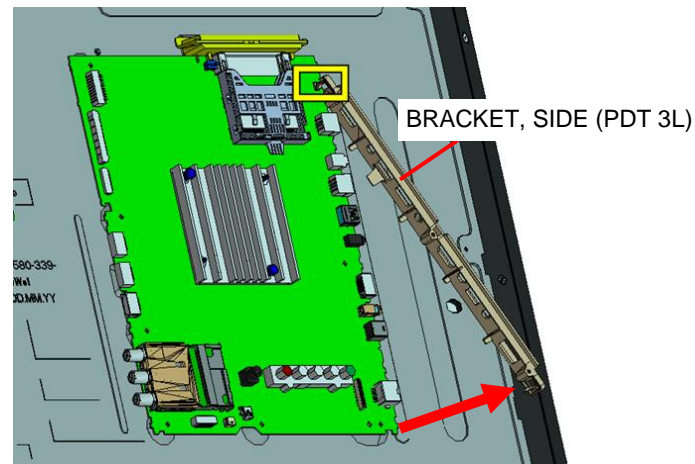
1



2

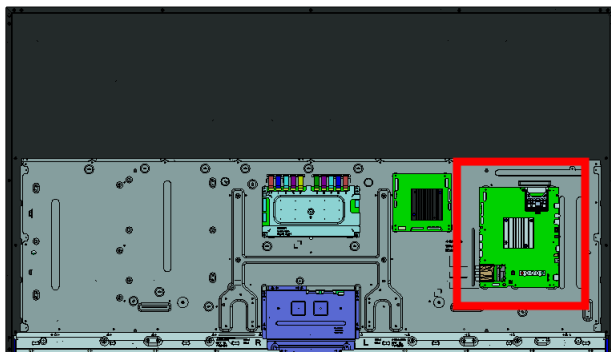


3

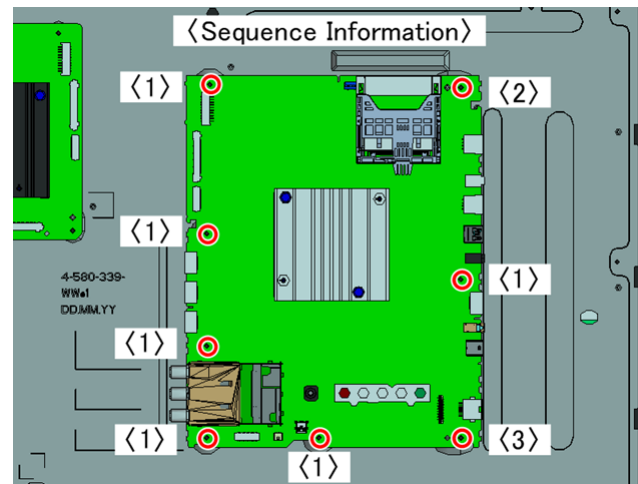


4. XBR-75X940D

4-43. BM1

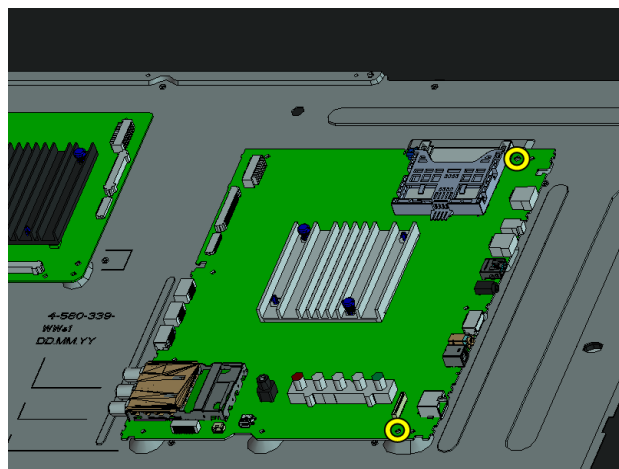


1

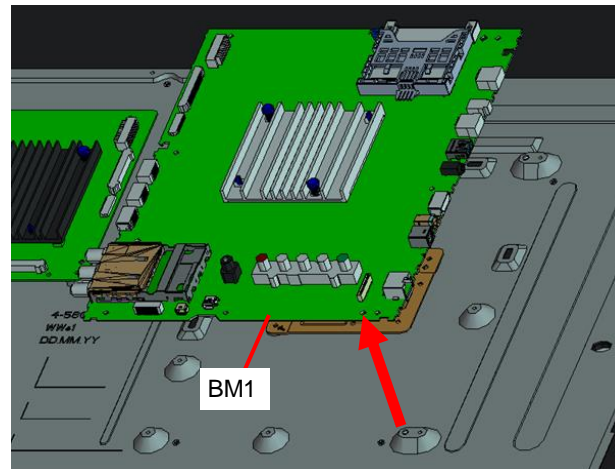


8 screws (SCREW, +PSW M3X6) P/N: 4-472-518-11

2

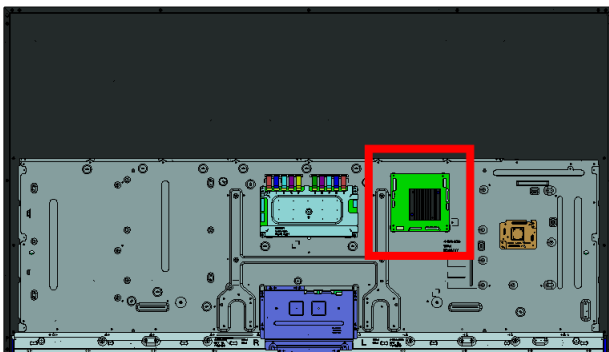


3

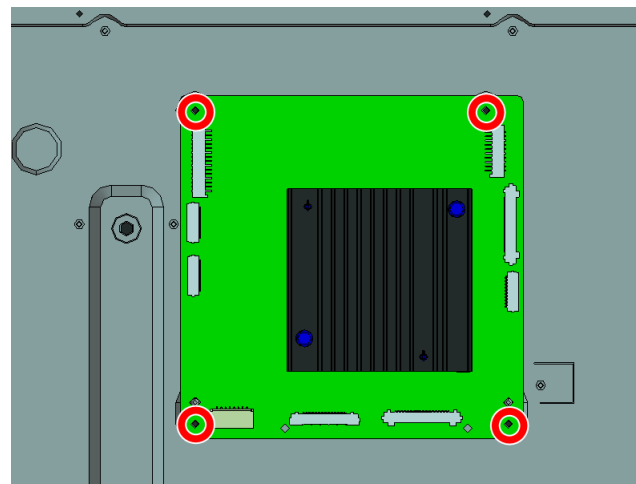


4. XBR-75X940D

4-44. DPS

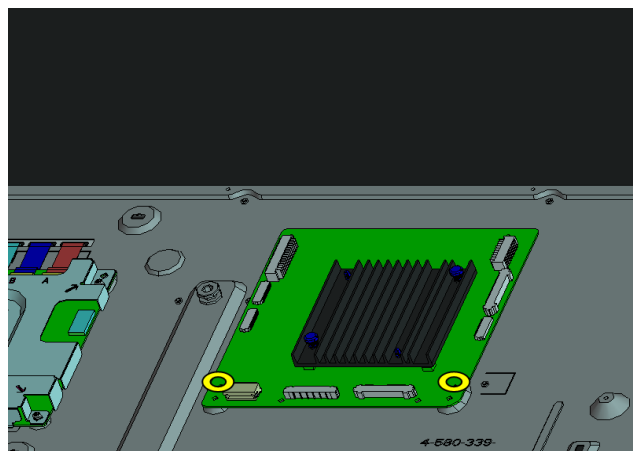


1

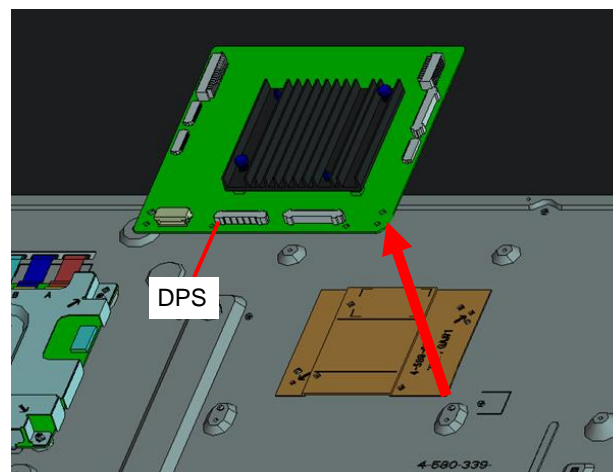


○ 4 screws (SCREW, +PSW M3X6) P/N: 4-472-518-11

2

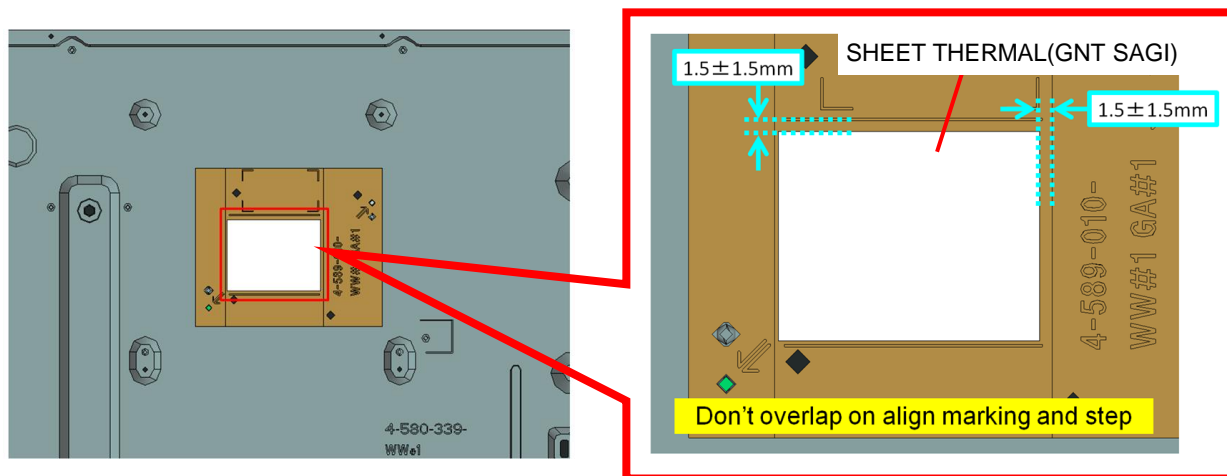
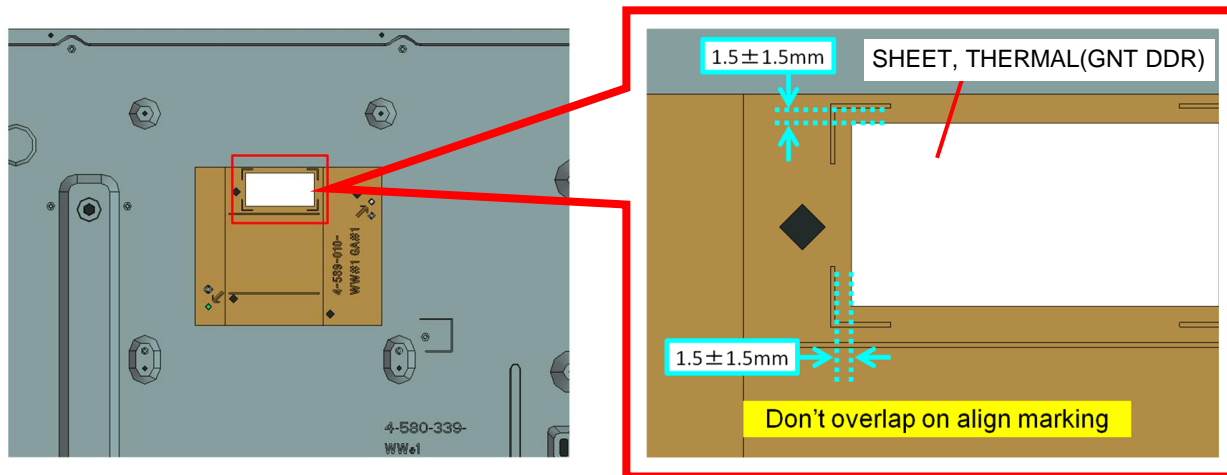
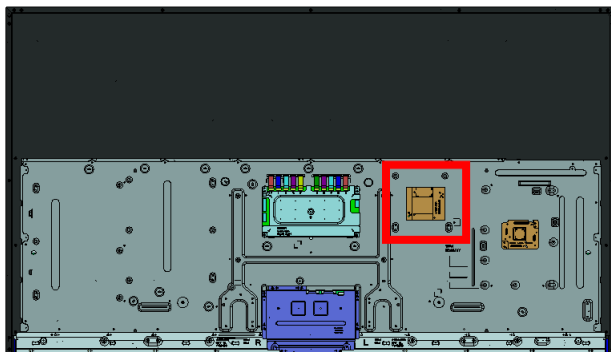


3



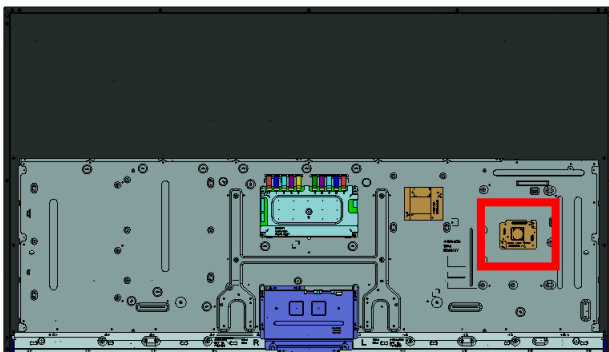
4. XBR-75X940D

4-45. SHEET THERMAL(GNT SAGI) AND SHEET, THERMAL(GNT DDR)



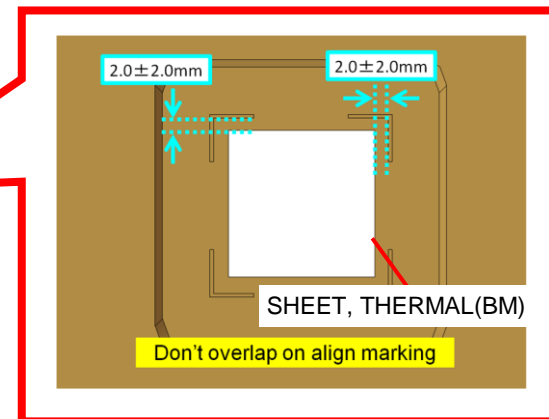
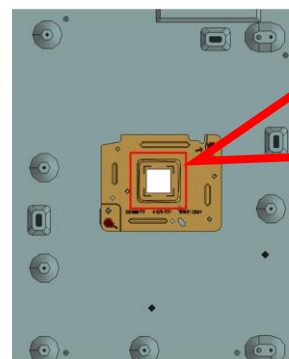
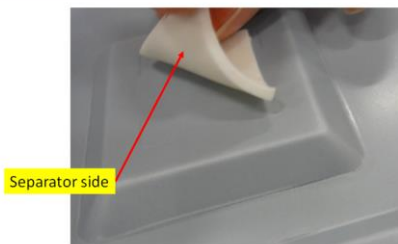
4. XBR-75X940D

4-46. SHEET, THERMAL(BM) AND PLATE, MAIN S(PDT)

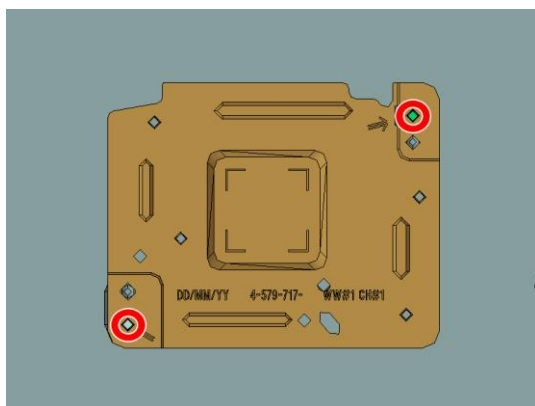


1

Be careful the side of SHEET THERMAL.

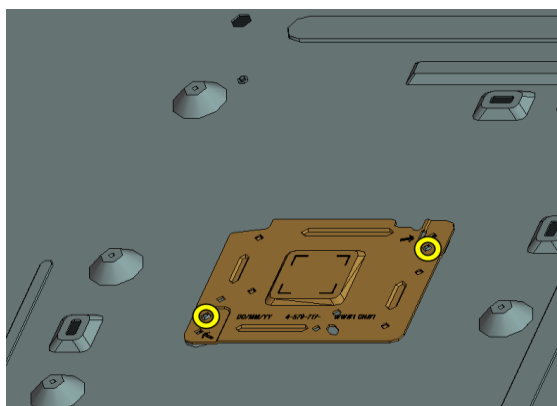


2

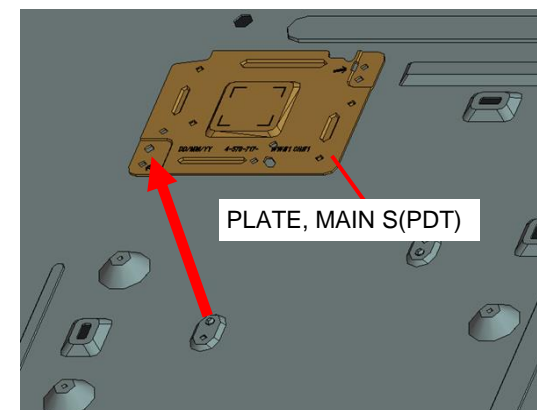


2 screws (SCREW, +PSW M3X6) P/N: 4-472-518-11

3

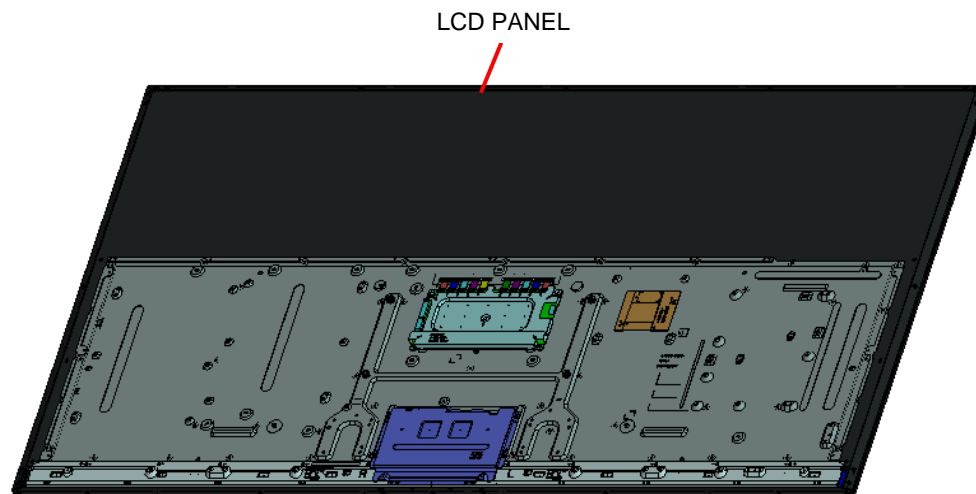


4



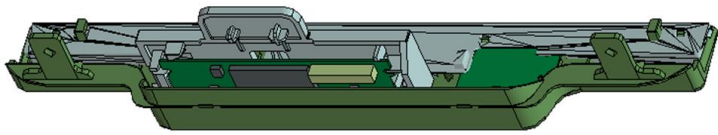
4. XBR-75X940D

4-47. LCD PANEL

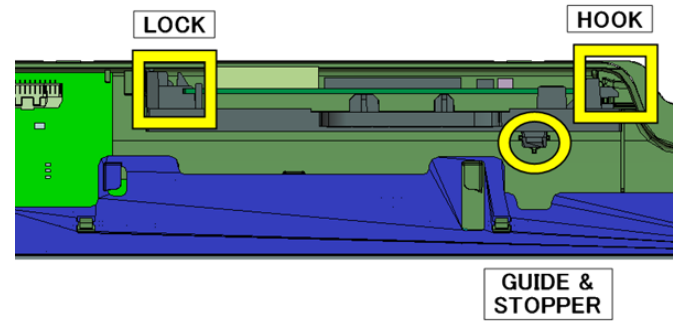


5. SMART CORE (M)

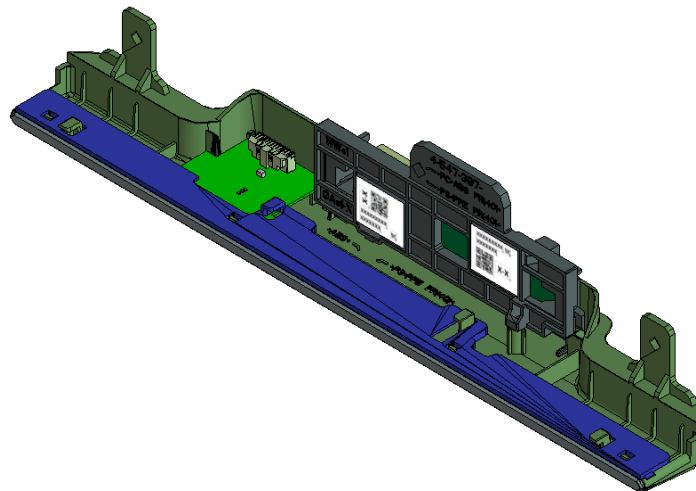
5-1. BRACKET, WIFI ASSY



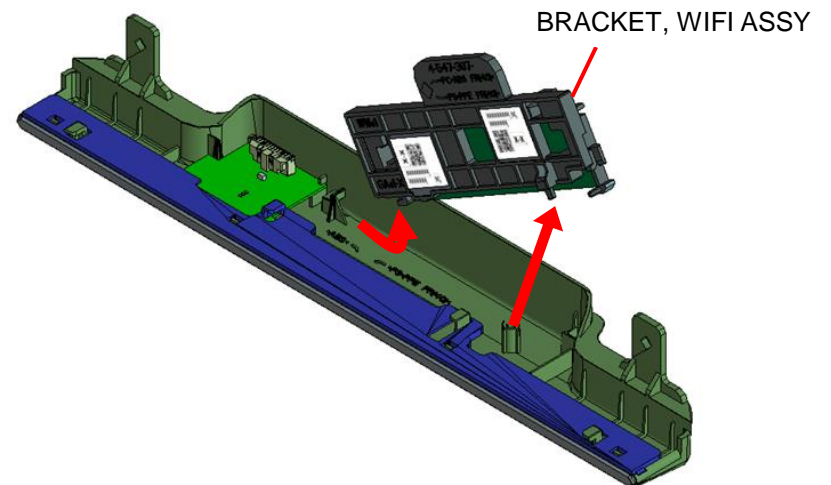
1



2

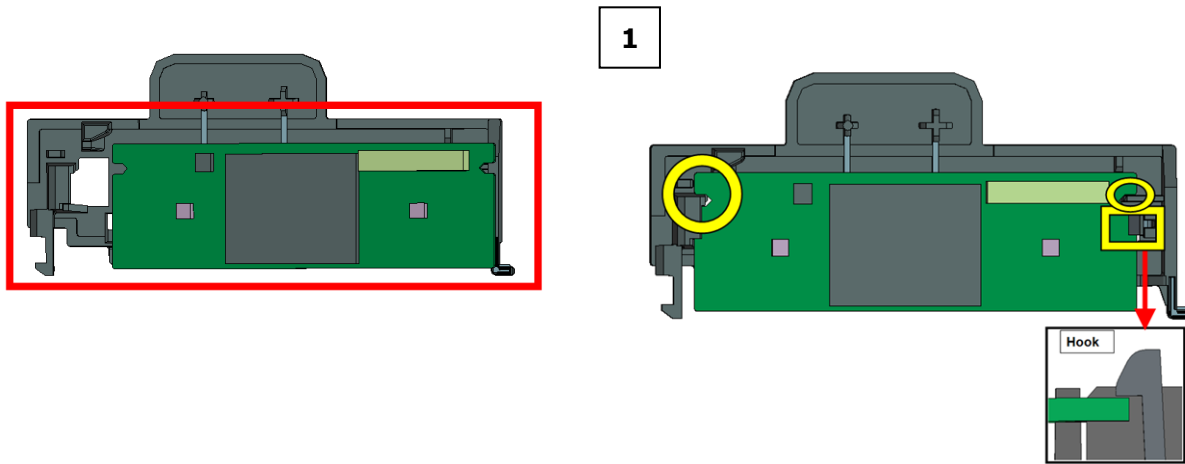


3



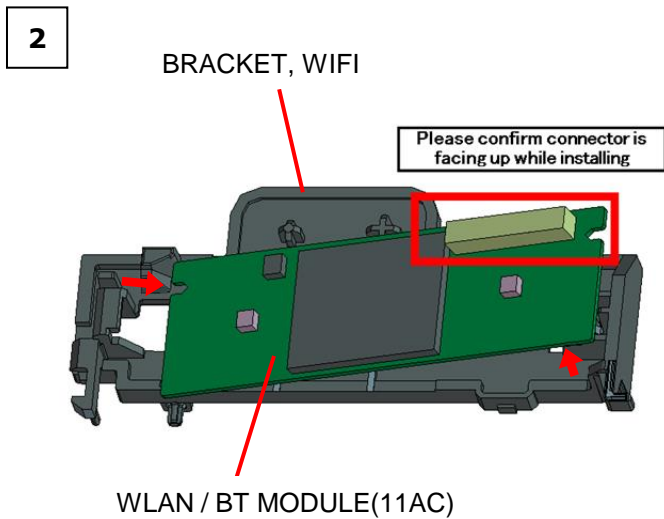
5. SMART CORE (M)

5-2. WLAN / BT MODULE(11AC) AND BRACKET, WIFI

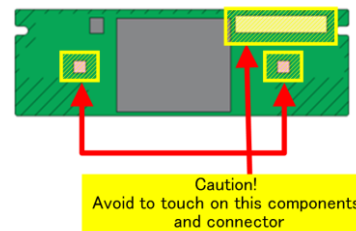


NOTE:

Please push hook with force ≤ 5.0 N to X-Direction while installing WLAN module
 *WLAN/BT module is confirmed locked when click sound is heard.

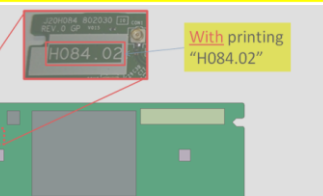


NOTE:



How to distinguish PWB for M1 and M2

For M2
1-458-912-1*



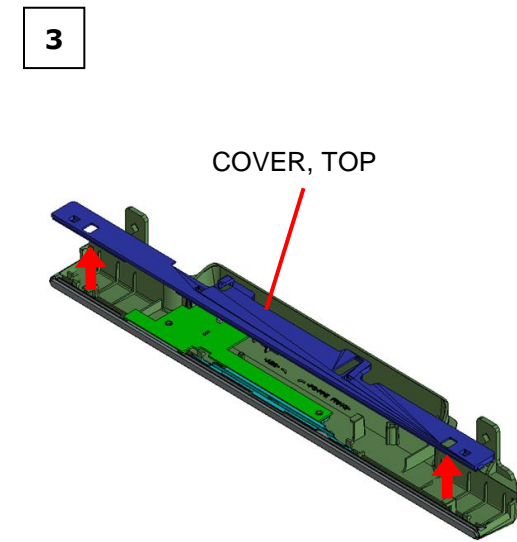
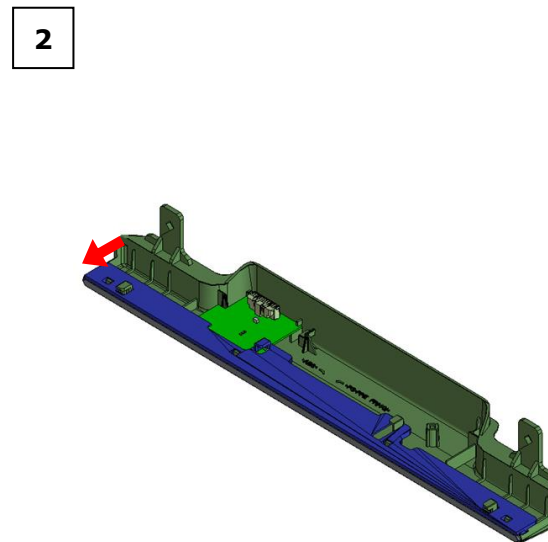
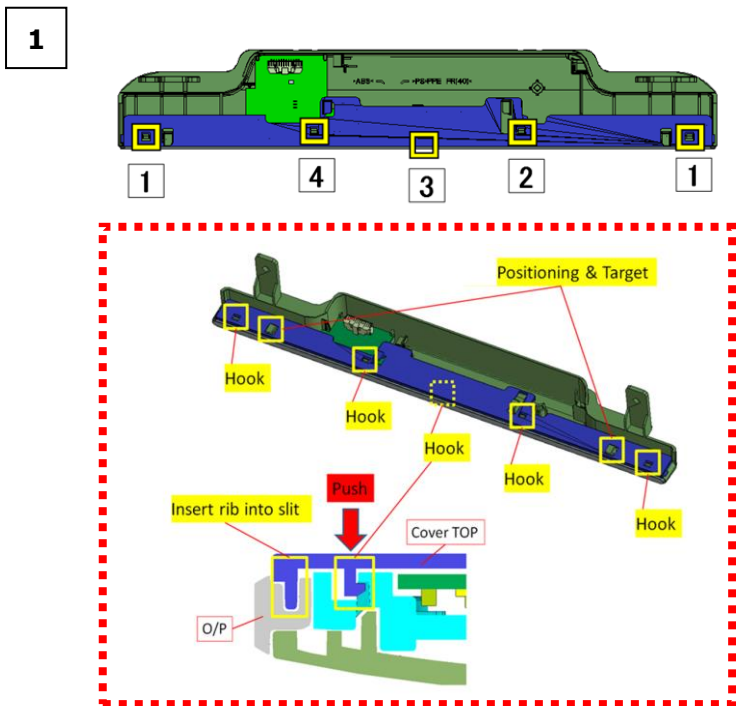
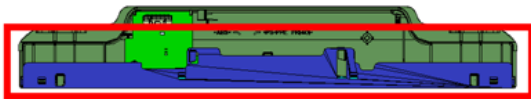
For M1
1-458-853-1*



For This Model

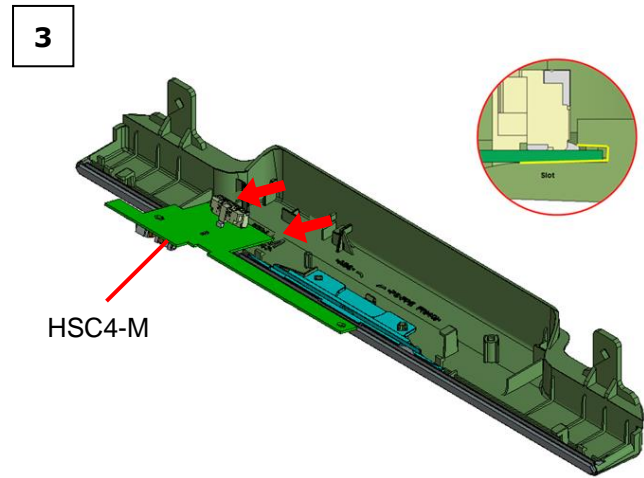
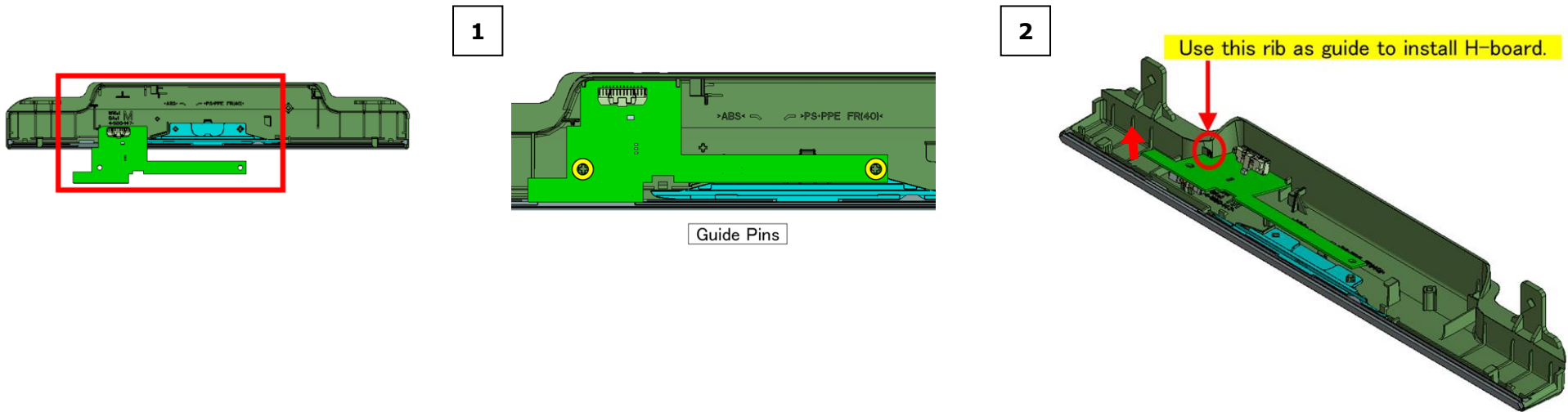
5. SMART CORE (M)

5-3. COVER, TOP



5. SMART CORE (M)

5-4. HSC4-M



NOTE:

B side

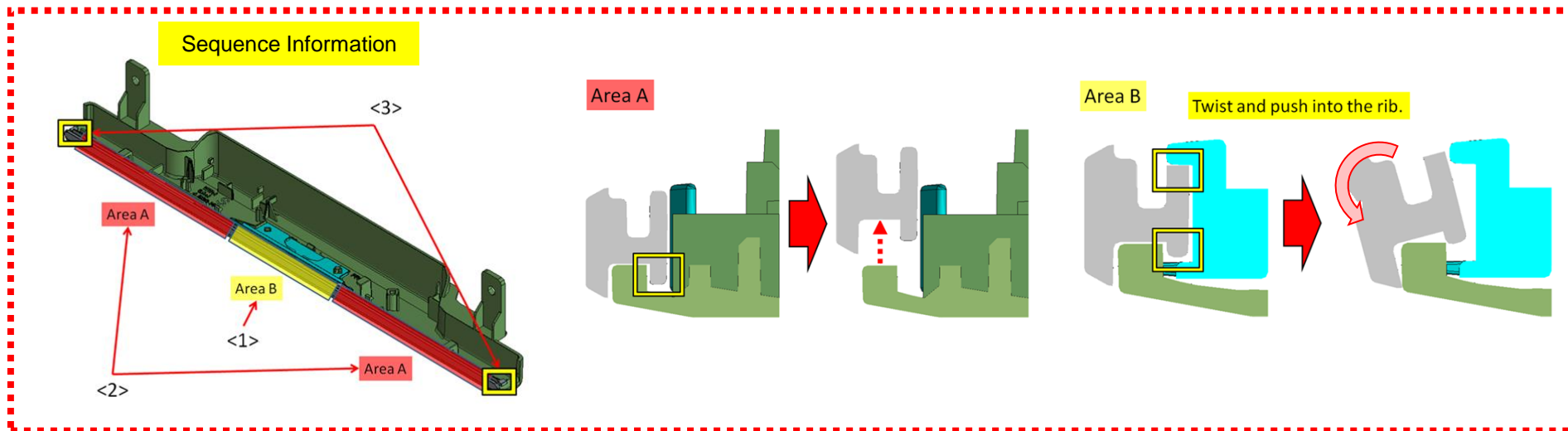
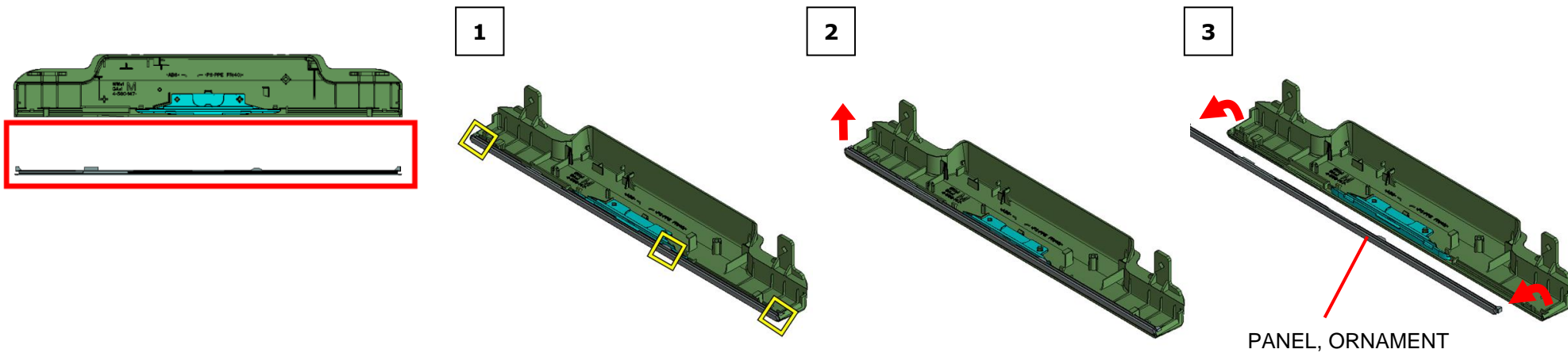
Hold on this section when installing H-Board.

Avoid to hold or push or hit on these components.

Detailed description: A red dashed box contains a 'NOTE' section. It features two diagrams of the green board. The left diagram, labeled 'B side', shows two yellow boxes highlighting specific components with a red arrow pointing to a yellow callout: 'Avoid to hold or push or hit on these components.' The right diagram shows a yellow box highlighting a section of the board with a red arrow pointing to a yellow callout: 'Hold on this section when installing H-Board.'

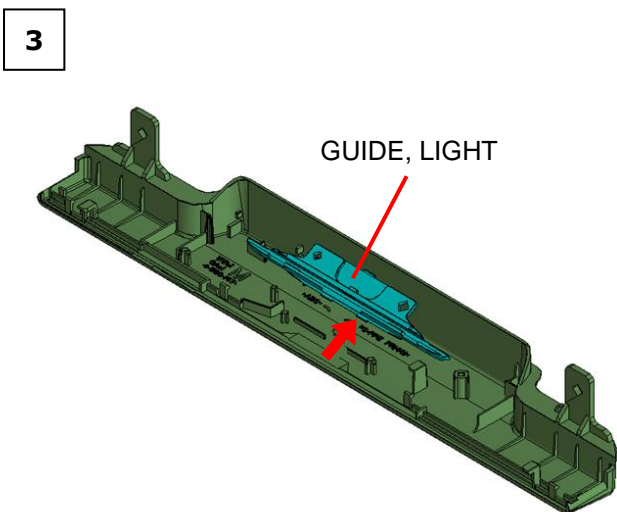
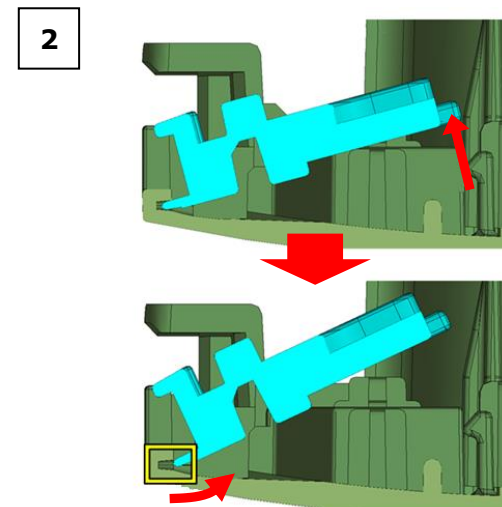
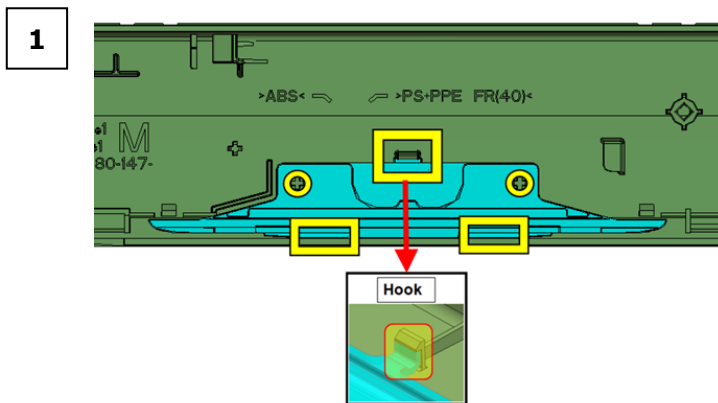
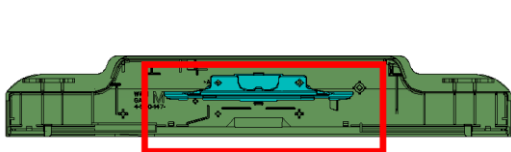
5. SMART CORE (M)

5-5. PANEL, ORNAMENT

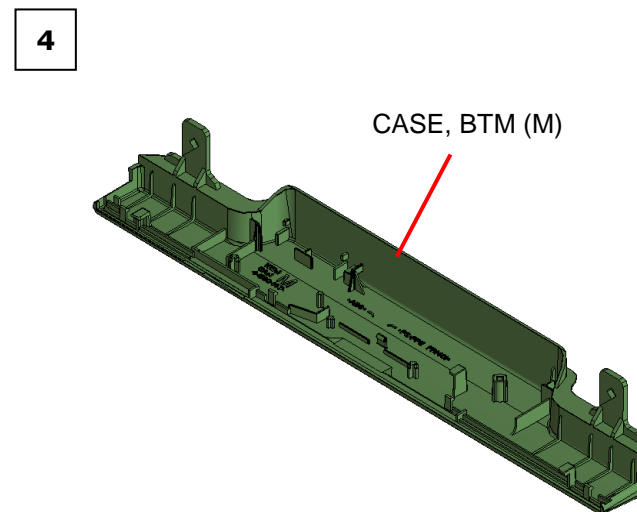
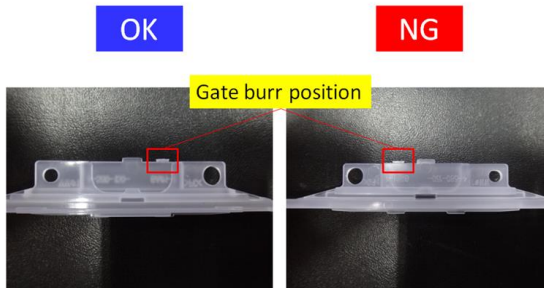


5. SMART CORE (M)

5-6. GUIDE, LIGHT AND CASE, BTM (M)



Be careful the direction of GUIDE, LIGHT.



EXPLODED VIEWS

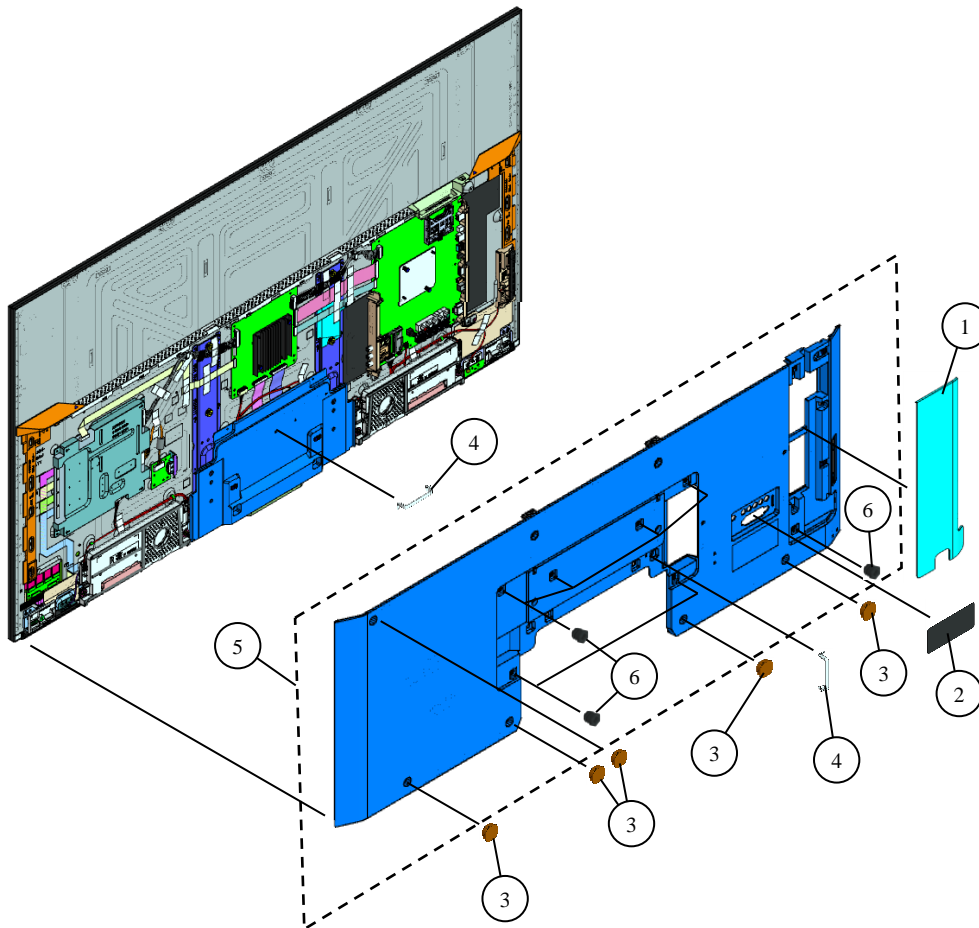
- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked " * " are not stocked since they are seldom required for routine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

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

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

1. XBR-55X930D

REAR COVER

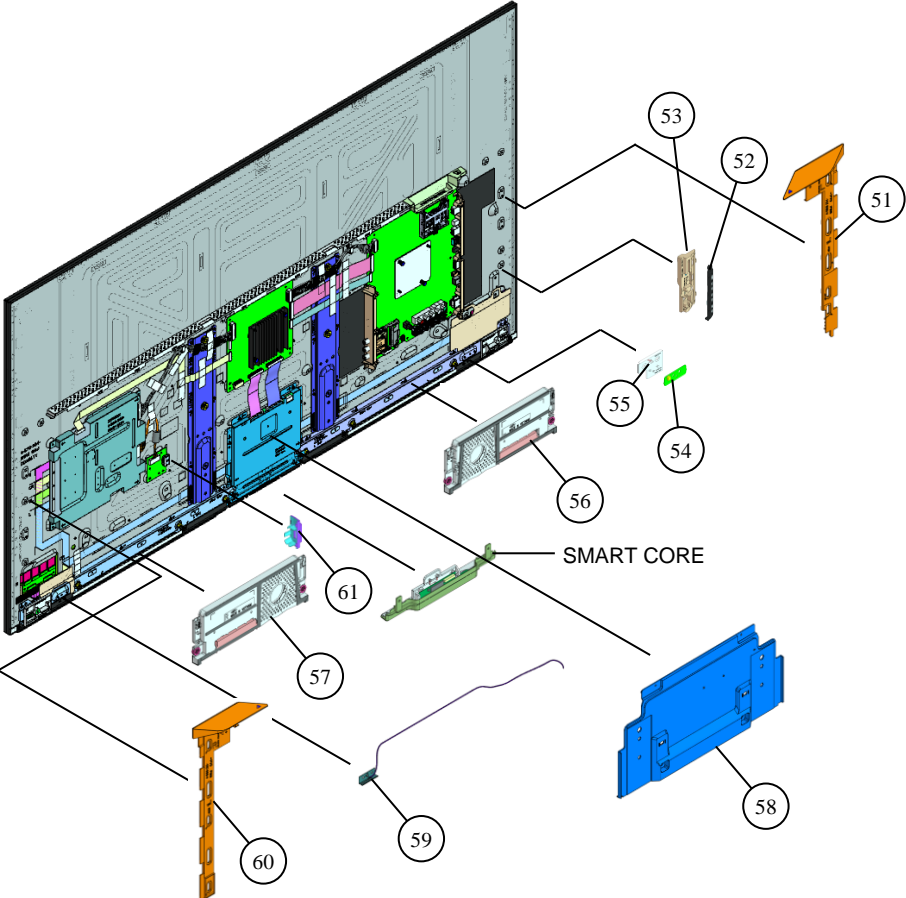


| REF. No. | PART No. | DESCRIPTION | MARK |
|----------|--------------|----------------------------|------|
| 1 | 4-580-271-01 | COVER, SIDE (GNT) | |
| 2 | 4-584-551-01 | LABEL, REAR TERMINAL (GNT) | |
| 3 | 4-580-270-01 | SCREW CAP (GNT) | |
| 4 | 4-582-003-01 | CLAMP, CABLE(GNT L) | |
| 5 | 4-586-680-01 | REAR COVER (L GNT) A | |
| 6 | 3-299-766-02 | CATCHER | |

1. XBR-55X930D

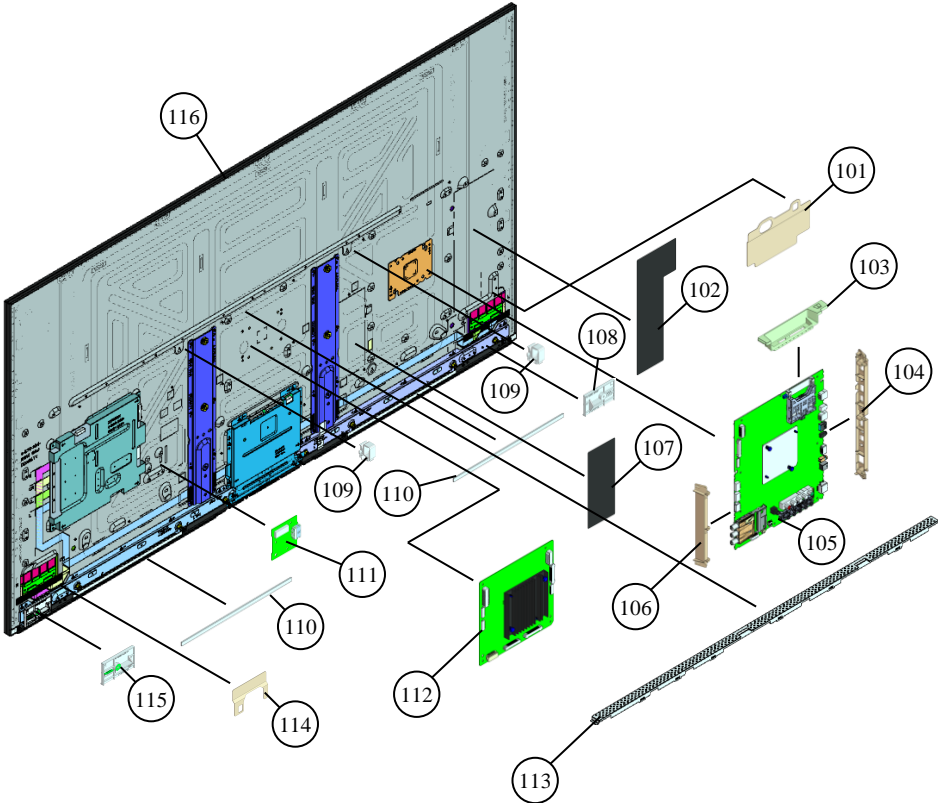
SP-BOX ASSY

| REF. No. | PART No. | DESCRIPTION | MARK |
|----------|--------------|----------------------------|------|
| 51 | 4-588-214-02 | BRACKET, SLIDE (L) (L GNT) | |
| 52 | 1-493-015-11 | SWITCH UNIT (VM-WW) | |
| 53 | 4-582-343-01 | HOLDER SIDE SW(GNT L M1) | |
| 54 | A-2093-478-A | TSI MOUNT | |
| 55 | 4-580-891-01 | BRACKET, TS | |
| 56 | 1-859-140-11 | SP-BOX ASSY(W12-L CH-ND) | |
| 57 | 1-859-140-21 | SP-BOX ASSY(W12-R CH-ND) | |
| 58 | 4-586-388-01 | COVER,UNDER (GNT) A | |
| 59 | 1-754-951-11 | BT ANTENNA | |
| 60 | 4-588-213-02 | BRACKET, SLIDE (R) (L GNT) | |
| 61 | 4-579-723-01 | BRACKET, DC JACK(GNT) | |



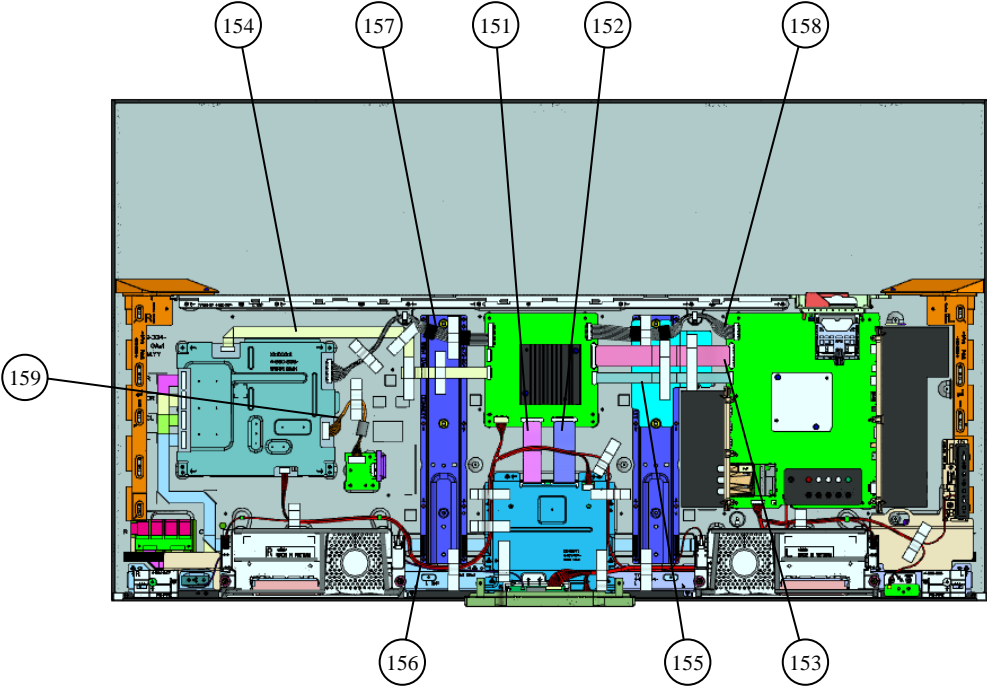
1. XBR-55X930D

LCD PANEL



| REF. No. | PART No. | DESCRIPTION | MARK |
|----------|--------------|------------------------------|------|
| 101 | 4-587-362-01 | AL TAPE, PWB LS (GNT) | |
| 102 | 4-581-500-01 | LABEL, SIDE TERMINAL (GNT) | |
| 103 | 4-581-153-01 | BRACKET, TOP(GNT) | |
| 104 | 4-579-715-01 | BRACKET, SIDE (GNT) | |
| 105 | A-2094-419-A | COMPL SVC BM1_UC_S | |
| 106 | 4-579-716-01 | BRACKET, INSIDE (GNT) | |
| 107 | 4-581-502-01 | LABEL, INSIDE TERMINAL (GNT) | |
| 108 | 4-580-266-01 | BRACKET, HOOK (L) (GNT) | |
| * 109 | 2-650-770-21 | SLIDE, CLAMP | |
| 110 | 4-582-370-01 | CUSHION, AL SP (GNT) | |
| 111 | A-2103-314-A | J MOUNT | |
| 112 | A-2094-368-A | DPS_A_22_LD COMPL | |
| 113 | 4-580-264-01 | TOP COVER (L GNT) | |
| 114 | 4-587-361-01 | AL TAPE, BT ANT (GNT L) | |
| 115 | 4-580-267-01 | BRACKET, HOOK (R) (GNT) | |
| 116 | A-2123-118-A | PANEL SERVICE PACKING(L GNT) | |

1. XBR-55X930D
CONNECTORS

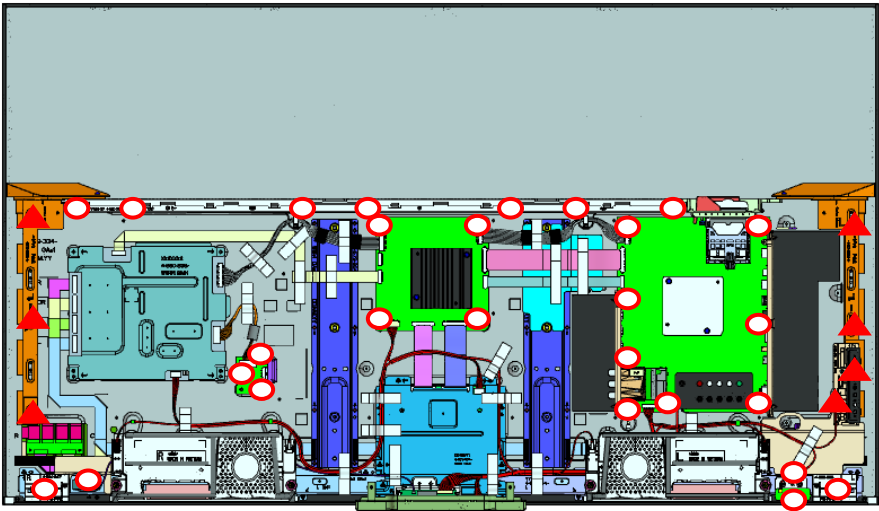
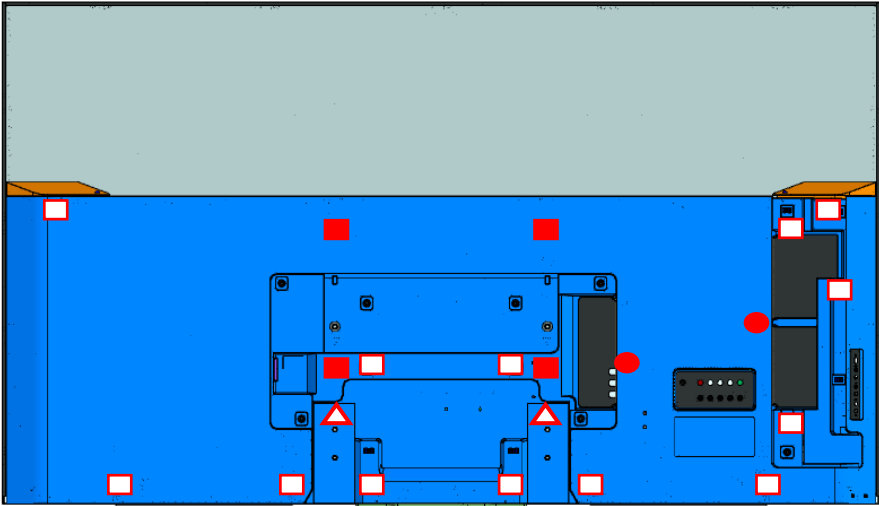


| REF.NO. | PART No. | DESCRIPTION | MARK |
|---------|--------------|-----------------------------|---|
| 151 | 1-849-319-11 | FLEXIBLE FLAT CABLE 41P | CN3600(DPS)-TCON(1) |
| 152 | 1-849-325-11 | FLEXIBLE FLAT CABLE 51P | CN3601(DPS)-TCON(1) |
| 153 | 1-849-326-11 | FLEXIBLE FLAT CABLE 51P | CN8701(BM1)-CN8700(DPS) (1) |
| 154 | 1-910-111-05 | FLEXIBLE FLAT CABLE 30P | CN8301(DPS)-CN(LD) (1) |
| 155 | 1-910-111-06 | FLEXIBLE FLAT CABLE 30P(BD) | CN7704(BM1)-CN7708(DPS) (1) |
| 156 | 1-910-111-07 | HARNESS ASSY (MAIN) | CN1001(BM1)-CN001(HSC4)-WIFI-SM/ CN6002(LD)-TCON/CN7709(DPS)-SP (1) |
| 157 | 1-910-111-08 | CONNECTOR ASSY 30P | CN6001(LD)-CN401(DPS) (1) |
| 158 | 1-910-111-09 | CONNECTOR ASSY 20P | CN9000(BM1)-CN400(DPS) (1) |
| 159 | 1-910-111-21 | CONNECTOR ASSY 10P | CN9000(LD)-CN400(J) (1) |

1. XBR-55X930D

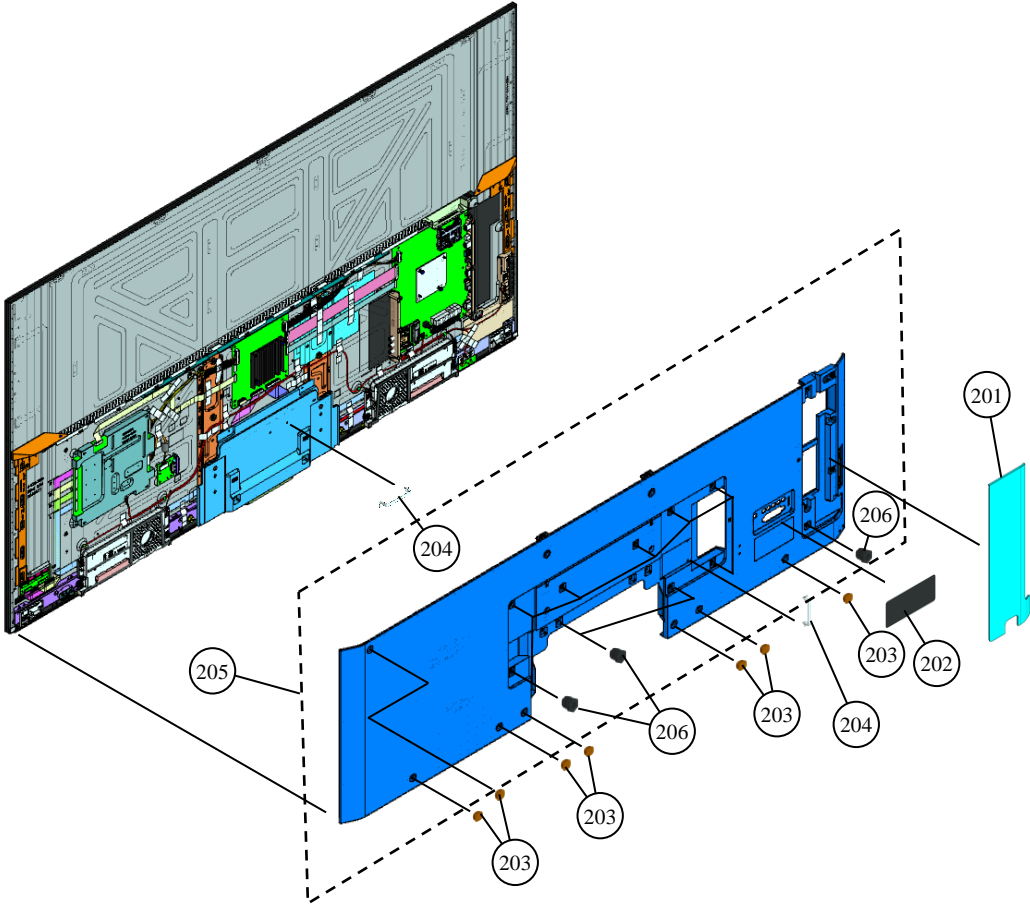
SCREWS

| REF. | DESCRIPTION | PART No. |
|------|------------------------------|--------------|
| ■ | SCREW, ORNAMENTAL M6X12 | 4-268-126-02 |
| □ | SCREW , +PWH M3X6 | 4-452-935-01 |
| ● | SCREW +BVTP 3X10 TYPE2 IT-3 | 7-685-647-79 |
| ○ | SCREW, +PSW M3X6 | 4-472-518-11 |
| ▲ | SCREW, +LH M3X2.1 STEP (GNT) | 4-586-665-01 |
| △ | JOINT, SCREW | 4-400-043-11 |



2. XBR-65X930D/935D/937D

REAR COVER

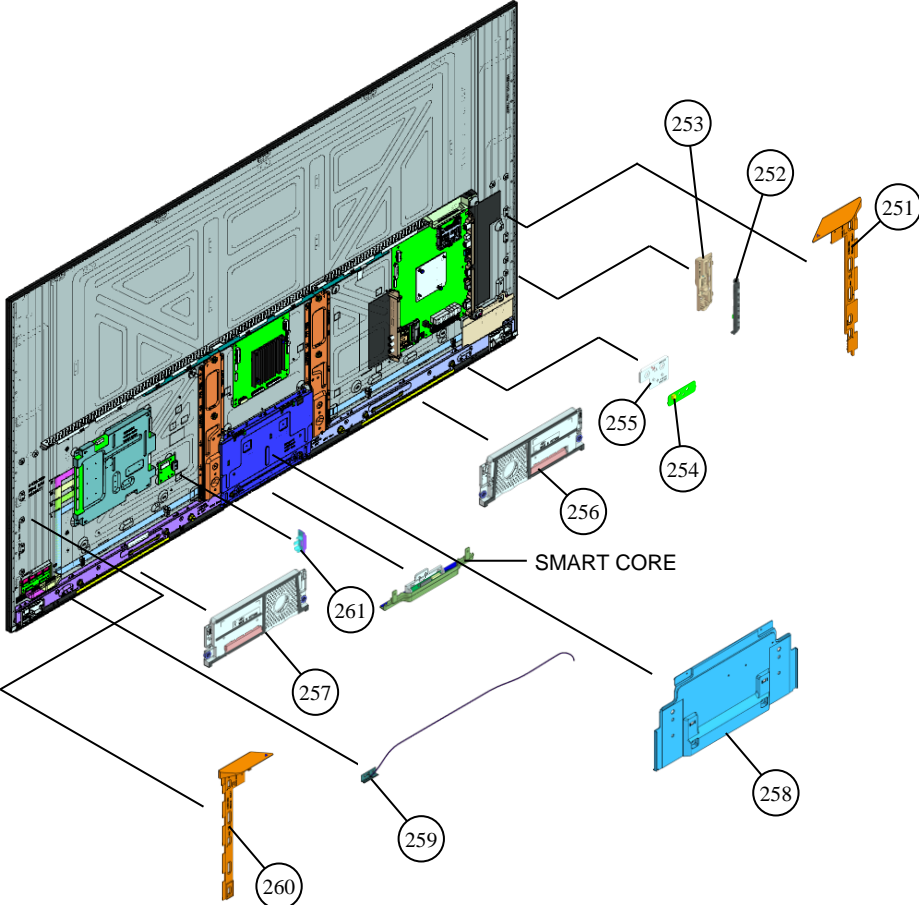


| REF. No. | PART No. | DESCRIPTION | MARK |
|----------|--------------|----------------------------|---------------------|
| 201 | 4-580-271-01 | COVER, SIDE (GNT) | |
| 202 | 4-584-551-01 | LABEL, REAR TERMINAL (GNT) | UC2 |
| 202 | 4-584-552-01 | LABEL, REAR TERMINAL (GNT) | LA8/LA1/CO1/AR4/ECU |
| 203 | 4-580-270-01 | SCREW CAP (GNT) | |
| 204 | 4-582-003-01 | CLAMP, CABLE(GNT L) | |
| 205 | A-2115-876-A | REAR COVER (2L GNT) A | |
| 206 | 3-299-766-02 | CATCHER | |

2. XBR-65X930D/935D/937D

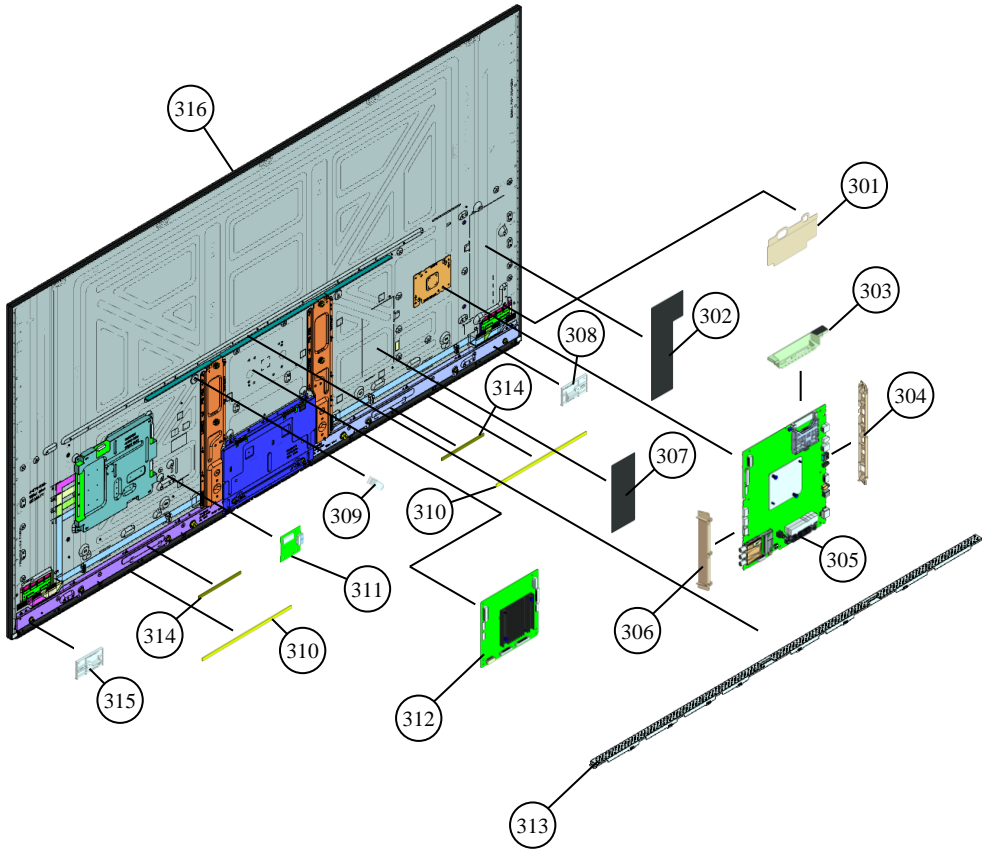
SP-BOX ASSY

| REF. No. | PART No. | DESCRIPTION | MARK |
|----------|--------------|-----------------------------|------|
| 251 | 4-580-268-02 | BRACKET, SLIDE (L) (2L GNT) | |
| 252 | 1-493-015-11 | SWITCH UNIT (VM-VW) | |
| * 253 | 4-582-343-01 | HOLDER SIDE SW(GNT L M1) | |
| 254 | A-2093-478-A | TSI MOUNT | |
| * 255 | 4-580-891-01 | BRACKET, TS | |
| 256 | 1-859-140-11 | SP-BOX ASSY(W12-L CH-ND) | |
| 257 | 1-859-140-21 | SP-BOX ASSY(W12-R CH-ND) | |
| 258 | 4-586-388-01 | COVER,UNDER (GNT) A | |
| 259 | 1-754-975-11 | BT ANTENNA | |
| 260 | 4-580-269-02 | BRACKET, SLIDE (R) (2L GNT) | |
| 261 | 4-579-723-01 | BRACKET, DC JACK(GNT) | |



2. XBR-65X930D/935D/937D

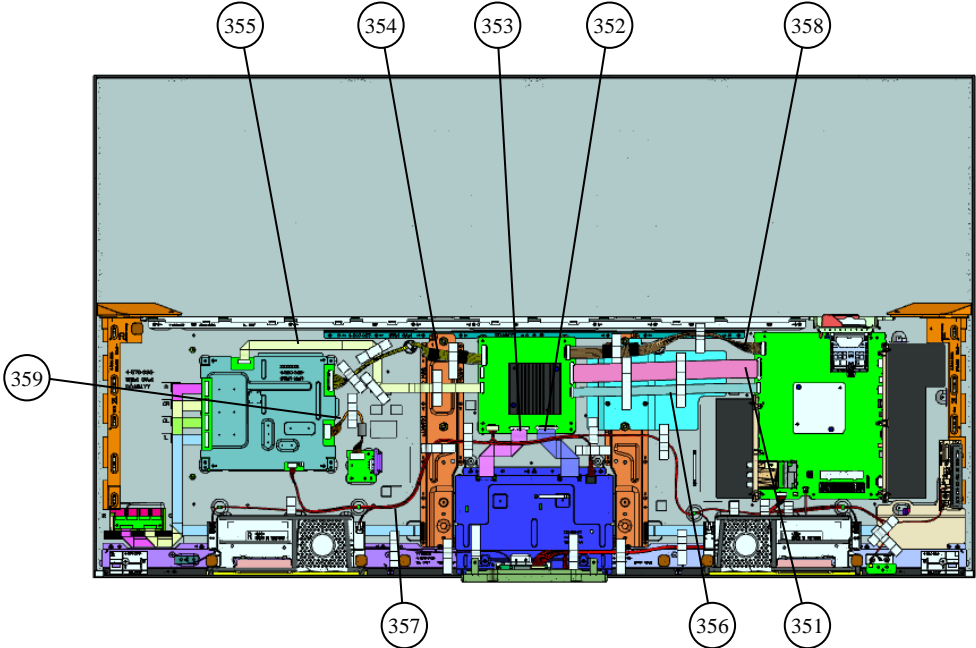
LCD PANEL



| REF. No. | PART No. | DESCRIPTION | MARK |
|----------|----------------|-------------------------------|---------------------|
| 301 | 4-587-362-01 | AL TAPE, PWB LS (GNT) | |
| 302 | 4-581-500-01 | LABEL, SIDE TERMINAL (GNT) | UC2 |
| 302 | 4-581-500-31 | LABEL, SIDE TERMINAL (GNT) | LA8/LA1/CO1/AR4/ECU |
| 303 | 4-581-153-01 | BRACKET, TOP(GNT) | LA8/UC2/LA1/AR4/ECU |
| 303 | 4-581-153-11 | BRACKET, TOP(GNT) | CO1 |
| 304 | 4-579-715-01 | BRACKET, SIDE (GNT) | UC2 |
| 304 | 4-579-715-11 | BRACKET, SIDE (GNT) | LA8/LA1/CO1/AR4/ECU |
| 305 | Ⓛ A-2094-417-A | COMPL SVC BM1_CO_CI_C | CO1 |
| 305 | Ⓛ A-2094-418-A | COMPL SVC BM1_LA_C | LA8 |
| 305 | Ⓛ A-2094-419-A | COMPL SVC BM1_UC_S | UC2 |
| 305 | Ⓛ A-2094-420-A | COMPL SVC BM1_MX_C | LA1 |
| 305 | Ⓛ A-2124-421-A | COMPL SVC BM1_AR_ECU_C | AR4/ECU |
| 306 | 4-579-716-01 | BRACKET, INSIDE (GNT) | UC2/LA1 |
| 306 | 4-579-716-11 | BRACKET, INSIDE (GNT) | LA8/CO1/AR4/ECU |
| 307 | 4-581-502-01 | LABEL, INSIDE TERMINAL (GNT) | UC2/LA1 |
| 307 | 4-581-502-11 | LABEL, INSIDE TERMINAL (GNT) | LA8/CO1/AR4/ECU |
| 308 | 4-580-266-01 | BRACKET, HOOK (L) (GNT) | |
| * 309 | 2-650-770-21 | SLIDE, CLAMP | |
| 310 | 4-582-370-01 | CUSHION, AL SP (GNT) | |
| 311 | ⚠ A-2103-314-A | J MOUNT | |
| 312 | A-2094-368-A | DPS_A_22_LD COMPL | |
| 313 | 4-580-265-01 | TOP COVER (2L GNT) | |
| 314 | 4-588-914-01 | GASKET(SP GNT) | |
| 315 | 4-580-267-01 | BRACKET, HOOK (R) (GNT) | |
| 316 | ⚠ A-2123-119-A | PANEL SERVICE PACKING(2L GNT) | |

2. XBR-65X930D/935D/937D

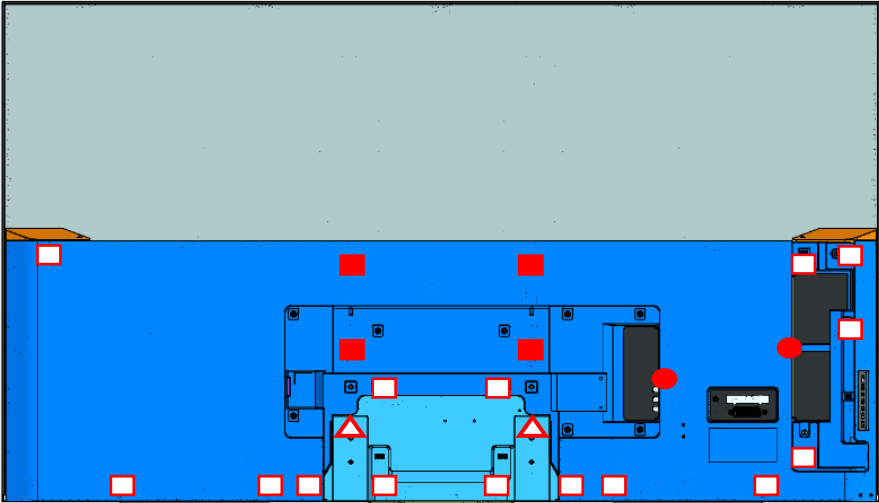
CONNECTORS



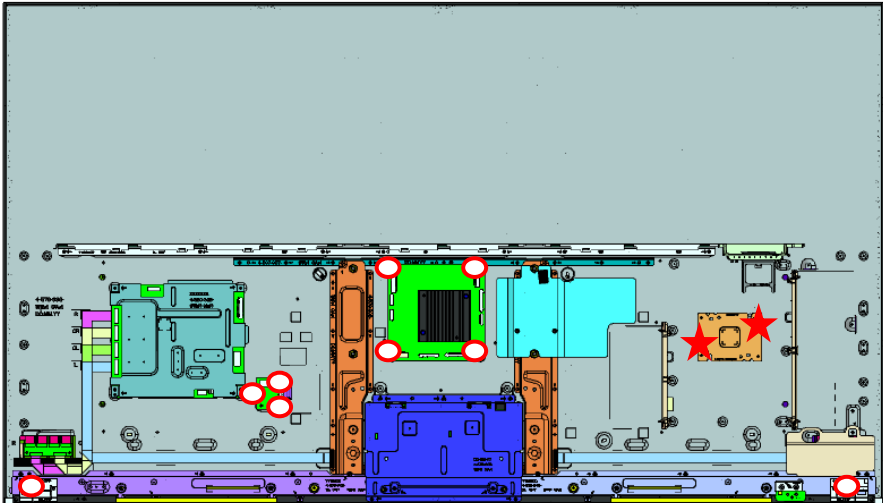
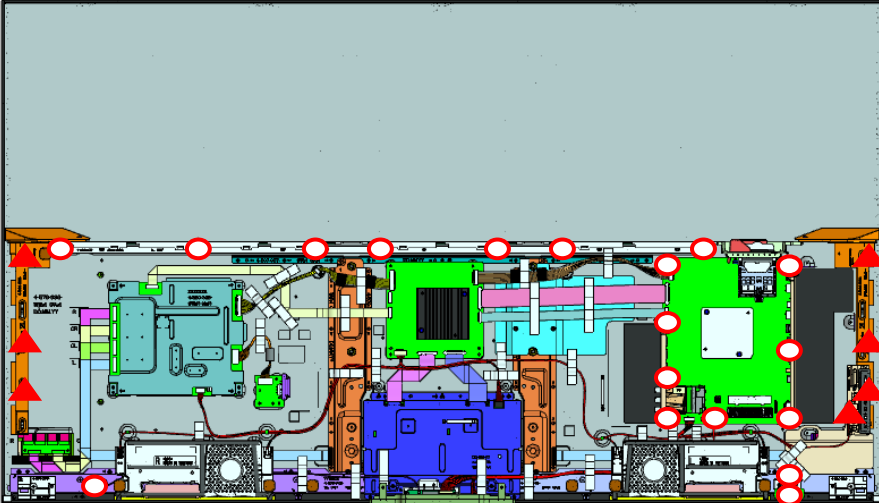
| REF.NO. | PART No. | DESCRIPTION | MARK |
|---------|--------------|-----------------------------|---|
| 351 | 1-849-320-11 | FLEXIBLE FLAT CABLE 51P | CN8701(BM1)-CN8700(DPS) (1) |
| 352 | 1-849-323-11 | FLEXIBLE FLAT CABLE 51P | CN3601(DPS)-TCON (1) |
| 353 | 1-849-324-11 | FLEXIBLE FLAT CABLE 41P | CN3600(DPS)-TCON (1) |
| 354 | 1-910-111-08 | CONNECTOR ASSY 30P | CN6001(LD)-CN401(DPS) (1) |
| 355 | 1-910-111-10 | FLEXIBLE FLAT CABLE 30P | CN8301(DPS)-CN(LD) (1) |
| 356 | 1-910-111-11 | FLEXIBLE FLAT CABLE 30P(BD) | CN7704(BM1)-CN7708(DPS) (1) |
| 357 | 1-910-111-12 | HARNESS ASSY (MAIN) | CN1001(BM1)-CN001(HSC4)-WIFI-SW/ CN6002(LD)-TCON/CN7709(DPS)-SP (1) |
| 358 | 1-910-111-14 | CONNECTOR ASSY 20P | CN9000(BM1)-CN400(DPS) (1) |
| 359 | 1-910-111-21 | CONNECTOR ASSY 10P | CN9000(LD)-CN400(J) (1) |

2. XBR-65X930D/935D/937D

SCREWS

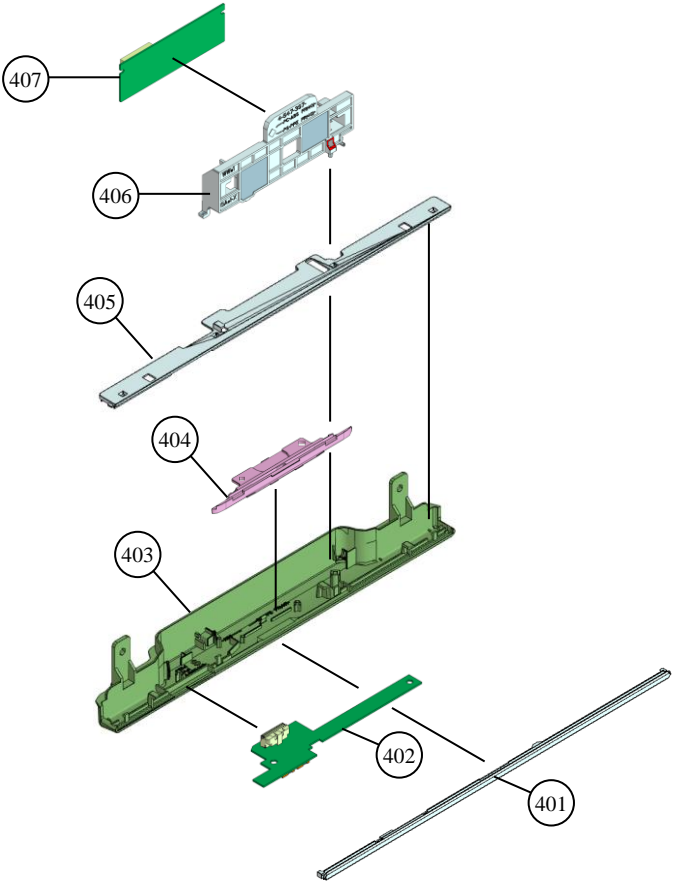


| REF. | DESCRIPTION | PART No. |
|------|------------------------------|--------------|
| ■ | SCREW, ORNAMENTAL M6X12 | 4-268-126-02 |
| □ | SCREW , +PWH M3X6 | 4-452-935-01 |
| ● | SCREW +BVTP 3X10 TYPE2 IT-3 | 7-685-647-79 |
| ○ | SCREW, +PSW M3X6 | 4-472-518-11 |
| ▲ | SCREW, +LH M3X2.1 STEP (GNT) | 4-586-665-01 |
| △ | JOINT, SCREW | 4-400-043-11 |
| ★ | SCREW, +LH M3X3 (CRN) | 4-549-168-01 |



3. SMART CORE (S)

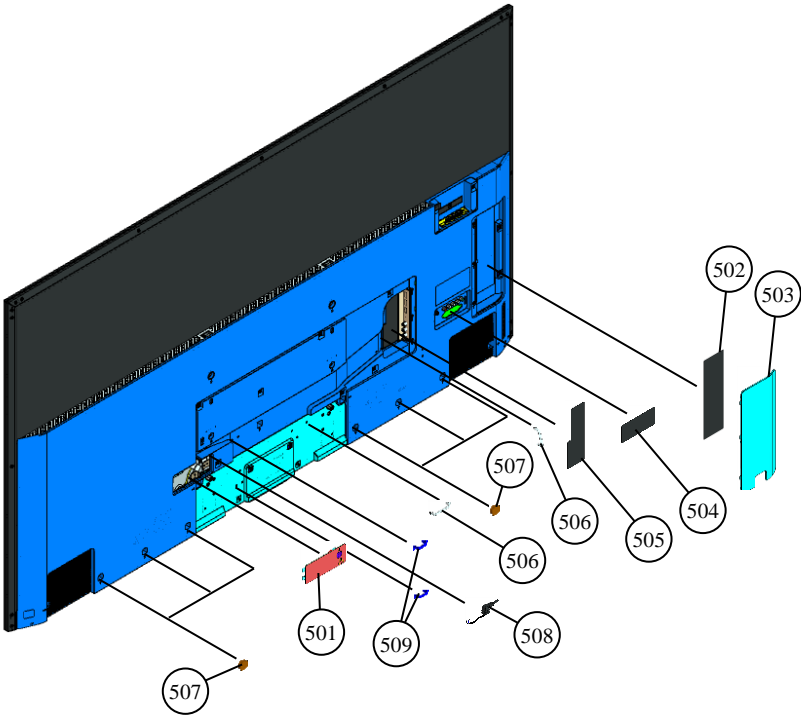
| REF. No. | PART No. | DESCRIPTION | MARK |
|----------|--------------|----------------------|------|
| 401 | 4-580-149-01 | PANEL, ORNAMENT | |
| 402 | A-2092-887-B | HSC4-S MOUNT | |
| 403 | 4-580-146-01 | CASE, BTM (S) | |
| 404 | 4-580-150-01 | GUIDE, LIGHT | |
| 405 | 4-580-151-01 | COVER, TOP | |
| 406 | 4-547-397-02 | BRACKET, WIFI | |
| 407 | 1-458-853-11 | WLAN/BT MODULE(11AC) | |



4. XBR-75X940D

REAR COVER

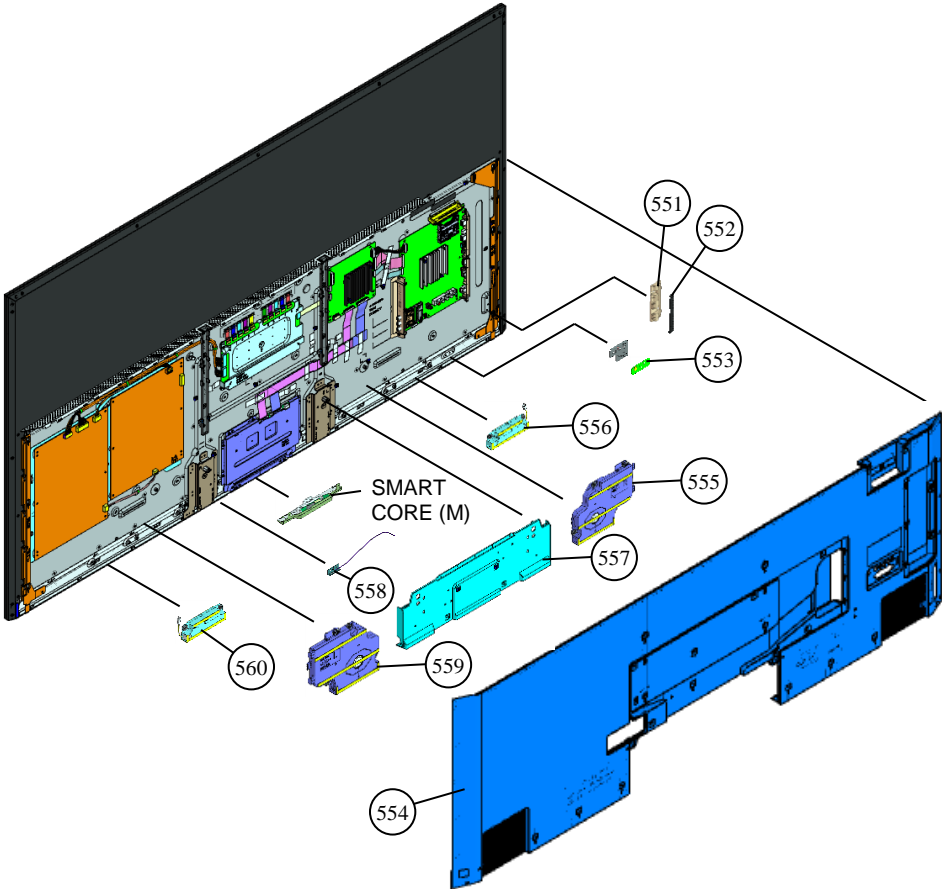
| REF. No. | PART No. | DESCRIPTION | MARK |
|----------|--------------|--------------------------------|------|
| 501 | 4-579-997-01 | AC COVER (GNT 3L) | |
| 502 | 4-585-151-01 | LABEL, SIDE TERMINAL (PDT 3L) | |
| 503 | 4-581-663-01 | COVER, SIDE (3L GNT) | |
| 504 | 4-584-551-02 | LABEL, REAR TERMINAL (GNT) | |
| 505 | 4-585-153-01 | LABEL, INSIDE TERMINAL(PDT 3L) | |
| 506 | 4-582-003-01 | CLAMP, CABLE(GNT L) | |
| 507 | 4-580-270-01 | SCREW CAP (GNT) | |
| 508 | 1-849-274-21 | POWER-SUPPLY CORD (WITH CONN.) | |
| 509 | 4-582-002-01 | CLAMP, CABLE(GNT S) | |



4. XBR-75X940D

SP-BOX ASSY

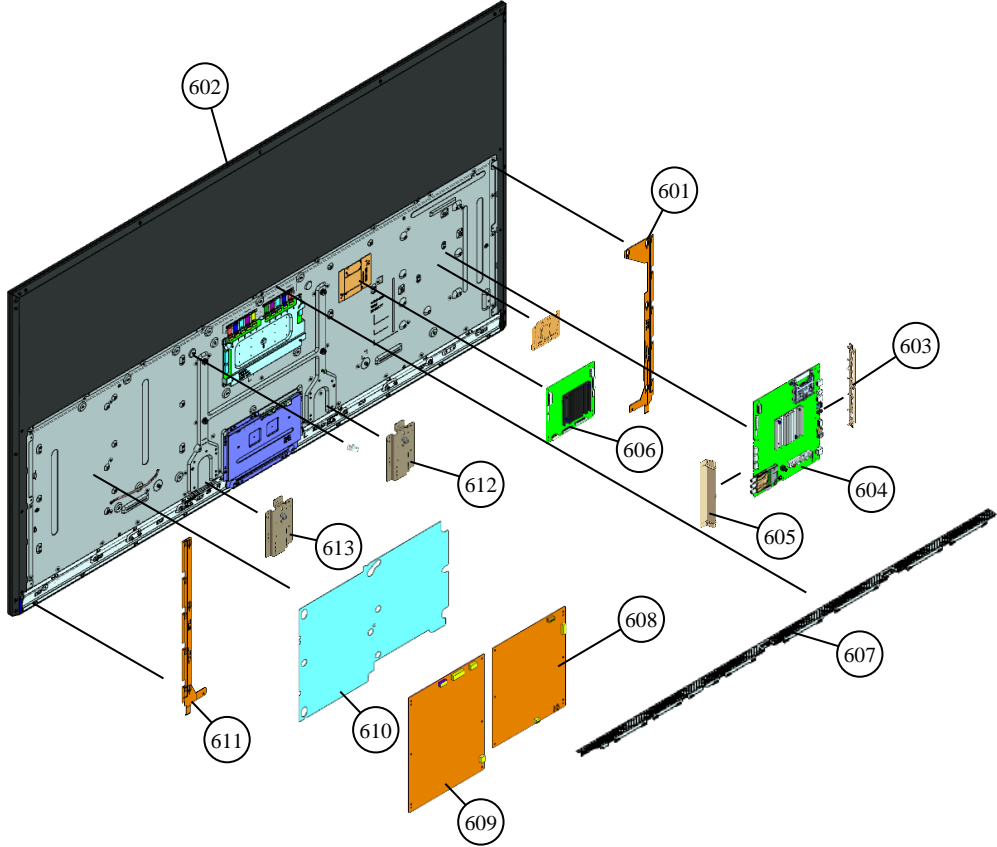
| REF. No. | PART No. | DESCRIPTION | MARK |
|----------|--------------|-------------------------------|------|
| 551 | 4-582-344-01 | HOLDER SIDE SW(GNT 3L M1) | |
| 552 | 1-493-015-11 | SWITCH UNIT (VM-WW) | |
| 553 | A-2093-478-A | TSI MOUNT | |
| 554 | 4-587-488-01 | REAR COVER (3L GNT) A | |
| 555 | 1-859-108-61 | SP-BOX ASSY(D20-WF RCH CH-ND) | |
| 556 | 1-859-109-21 | SP-BOX ASSY(W20-SQ RCH CH-ND) | |
| 557 | 4-587-489-01 | UNDER COVER (3L GNT) A | |
| 558 | 1-754-974-11 | BT ANTENNA | |
| 559 | 1-859-108-51 | SP-BOX ASSY(D20-WF LCH CH-ND) | |
| 560 | 1-859-109-11 | SP-BOX ASSY(W20-SQ LCH CH-ND) | |



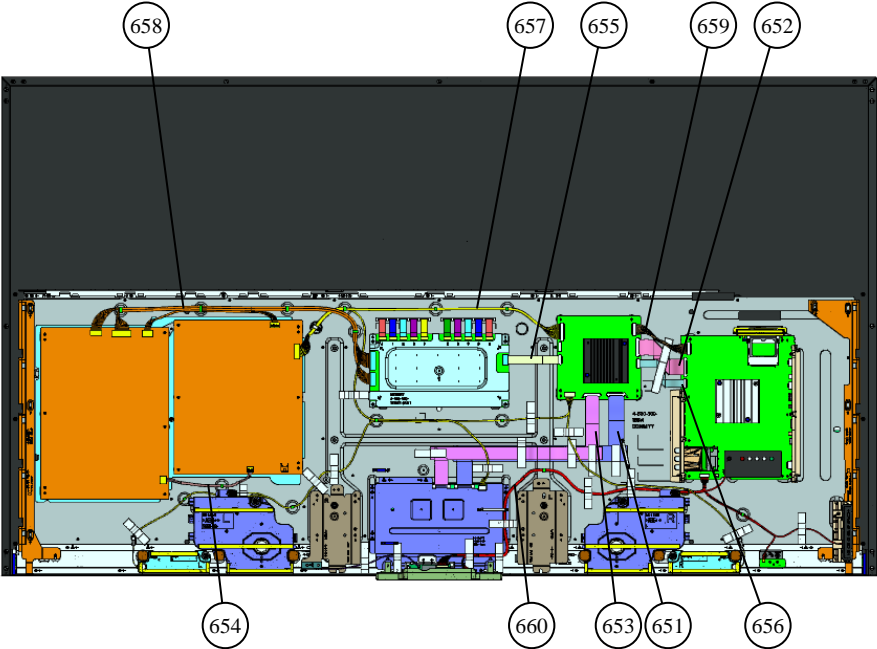
4. XBR-75X940D

LCD PANEL

| REF. No. | PART No. | DESCRIPTION | MARK |
|----------|----------------|--------------------------------|------|
| 601 | 4-581-666-01 | BRACKET, SLIDE L (3L GNT) | |
| 602 | ▲ A-2123-788-A | PANEL SERVICE PKG INZ (3L GNT) | |
| 603 | 4-579-711-01 | BRACKET, SIDE (PDT 3L) | |
| 604 | 🔒 A-2115-078-A | COMPL SVC BM1_UC_S_QF75 | |
| 605 | 4-579-712-01 | BRACKET, INSIDE (PDT 3L) | |
| 606 | A-2094-367-A | DPS_G_22_LD COMPL | |
| 607 | 4-581-665-01 | TOP COVER (3L GNT) | |
| 608 | ▲ 1-474-650-11 | G2(CH)-STATIC CONVERTER(TV) | |
| 609 | ▲ 1-474-651-11 | G3(CH)-STATIC CONVERTER(TV) | |
| 610 | 4-583-269-11 | SHEET, INSULATION(GNT 3L) | |
| 611 | 4-581-667-01 | BRACKET, SLIDE R (3L GNT) | |
| 612 | 4-580-444-01 | BRACKET, STD L (3L GNT) | |
| 613 | 4-580-445-01 | BRACKET, STD R (3L GNT) | |



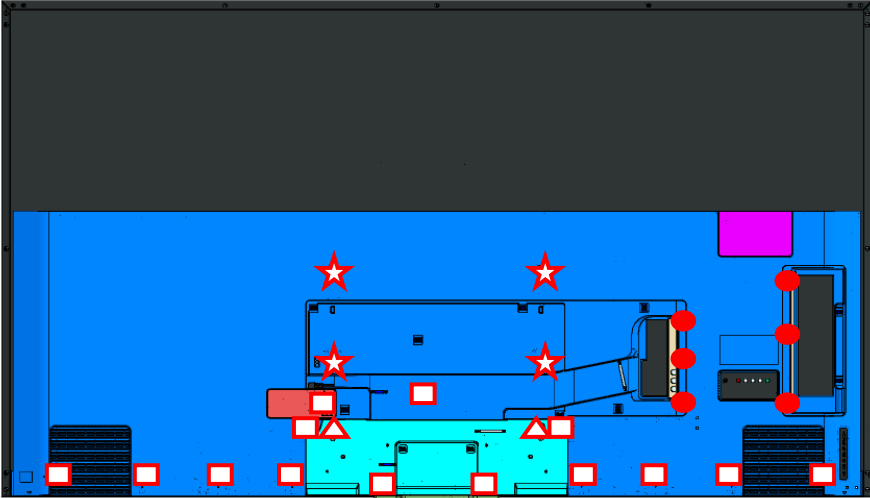
4. XBR-75X940D
CONNECTORS



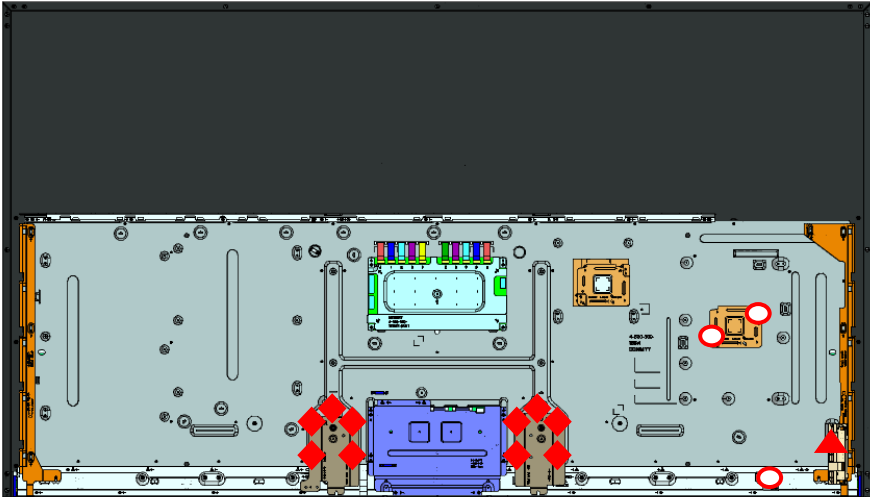
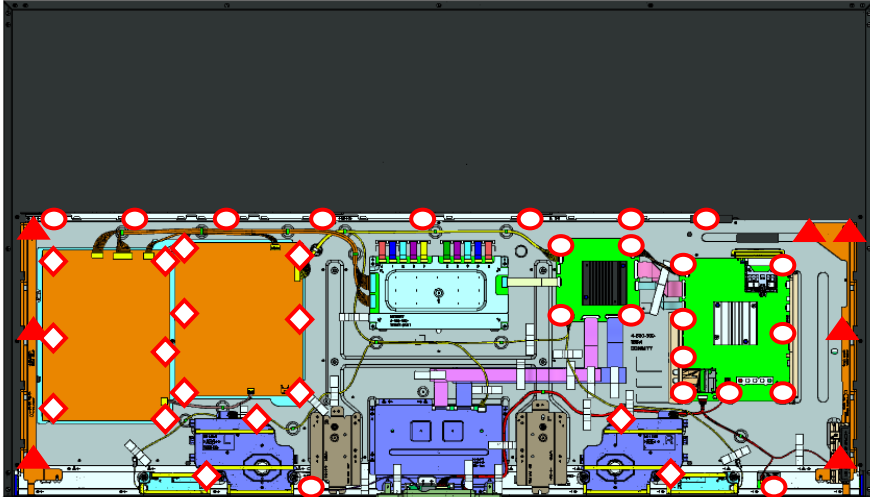
| REF.NO. | PART No. | DESCRIPTION | MARK |
|---------|--------------|-----------------------------|--|
| 651 | 1-849-347-11 | FLEXIBLE FLAT CABLE 51P | CN3601(DPS)-TCON (1) |
| 652 | 1-849-348-11 | FLEXIBLE FLAT CABLE 51P | CN8701(BM1)-CN8700(DPS) (1) |
| 653 | 1-849-349-11 | FLEXIBLE FLAT CABLE 41P | CN3600(DPS)-TCON (1) |
| 654 | 1-849-358-11 | CONNECTOR ASSY 3P | CN6102(G2)-CN6103(G3) (1) |
| 655 | 1-910-111-15 | FLEXIBLE FLAT CABLE 30P | CN8301(DPS)-CN6001(LD) (1) |
| 656 | 1-910-111-16 | FLEXIBLE FLAT CABLE 30P(BD) | CN7704(BM1)-CN7708(DPS) (1) |
| 657 | 1-910-111-17 | HARNESS ASSY (MAIN) | CN6401(G2)-CN401(DPS),TCON/CN7709(DPS)-SP(1) |
| 658 | 1-910-111-18 | HARNESS ASSY(GDLD) | CN6601(G3)-CN6002(LD)/CN6602(G3)-CN6003(LD)/CN6402(G2)-CN6603(G3)(1) |
| 659 | 1-910-111-19 | CONNECTOR ASSY 20P | CN9000(BM1)-CN400(DPS) (1) |
| 660 | 1-910-111-20 | CONNECTOR ASSY 30P | CN1001(BM1)-CN1003(BM1)-SW-TSI-HSC4-WIFI(1) |

4. XBR-75X940D

SCREWS

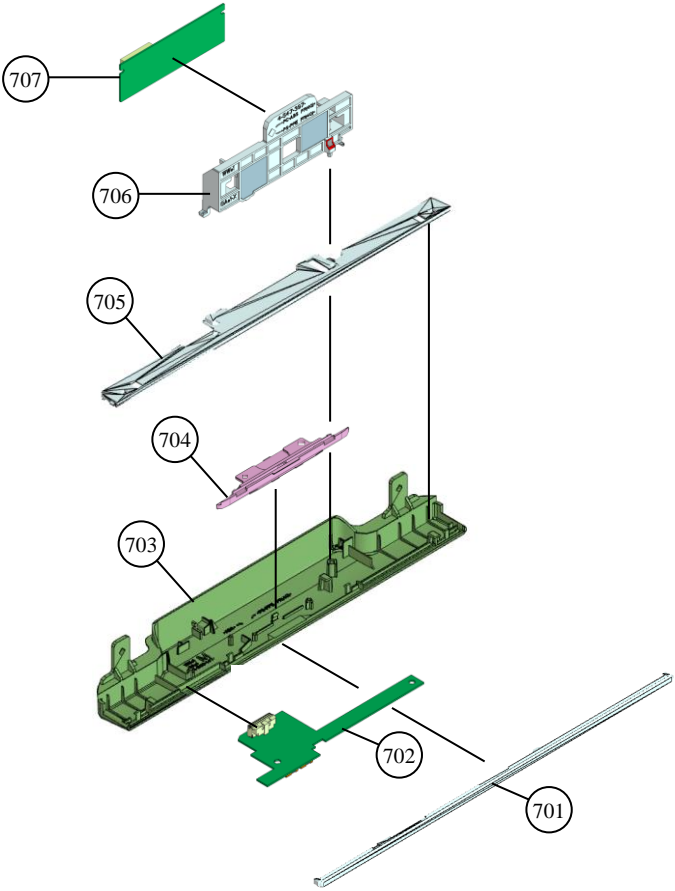


| REF. | DESCRIPTION | PART No. |
|------|------------------------------|--------------|
| ★ | SCREW, +PSW M6X12 | 4-567-081-01 |
| □ | SCREW , +PWH M3X6 | 4-452-935-01 |
| ● | SCREW +BVTP 3X10 TYPE2 IT-3 | 7-685-647-79 |
| ○ | SCREW, +PSW M3X6 | 4-472-518-11 |
| ▲ | SCREW, +LH M3X2.1 STEP (GNT) | 4-586-665-01 |
| △ | JOINT, SCREW | 4-400-043-11 |
| ◇ | SCREW, +PSW M3X6 W12 | 4-256-393-12 |
| ◆ | SCREW, +PSW M4X8 | 2-580-600-01 |



5. SMART CORE (M)

| REF. No. | PART No. | DESCRIPTION | MARK |
|----------|--------------|----------------------|------|
| 701 | 4-580-149-01 | PANEL, ORNAMENT | |
| 702 | A-2092-888-A | HSC4-M MOUNT | |
| 703 | 4-580-147-01 | CASE, BTM (M) | |
| 704 | 4-580-150-01 | GUIDE, LIGHT | |
| 705 | 4-580-151-11 | COVER, TOP | |
| 706 | 4-547-397-02 | BRACKET, WIFI | |
| 707 | 1-458-853-11 | WLAN/BT MODULE(11AC) | |



6. OTHER PART

MISCELLANEOUS

| PART No. | DESCRIPTION | MARK |
|----------------|--------------------------------|-------------|
| 4-457-451-01 | SHEET, THERMAL (BAF) | For 55"/65" |
| 4-549-186-01 | SHEET, THERMAL(BM) | |
| 4-589-129-01 | SHEET, THERMAL(GNT DDR) | For 75" |
| 4-589-646-01 | SHEET THERMAL(GNT SAGI) | For 75" |
| 4-262-708-04 | CLAMPER, CABLE | For 75" |
| 4-559-560-01 | XBR LOGO (CRN) | |
| 4-585-577-11 | LABEL, DC IN (GNT) | For 55"/65" |
| 4-589-644-01 | CUSHION(GNT LD) | For 55"/65" |
| 4-590-730-01 | SHEET, IR NOISE | For 55"/65" |
| 4-530-981-61 | CUSHION 525A | For 75" |
| 7-600-031-97 | TAPE (3M 1350FB-1)15MMX66M BLK | |
| * 4-548-743-01 | HOLDER, HS WS (MUF) | |
| * 4-549-188-01 | HOLDER(HS MUF) | |
| * 4-547-493-01 | HEAT, SINK (MUFF) | For 65" |
| * 4-563-516-01 | HEAT SINK(MUFF CP) | For 55"/65" |
| * 4-584-547-01 | HEAT SINK(MUFF2 C) | For 75" |
| * 7-600-040-44 | ADHESIVE (SV380C) 333CC GRY | |

ACCESSORIES

| PART No. | DESCRIPTION | MARK |
|----------------|--------------------------------|-----------------------------|
| 4-460-760-01 | CASE, BATTERY (SERVICE) | Battery case for 3D eyewear |
| 4-460-761-01 | PAD, NOSE (SERVICE) | Nose pad for 3D eyewear |
| 1-458-628-21 | 3D EYEWEARTDG-BT500A(SVC)GA+LA | For 55"/65" |
| * 7-600-040-44 | ADHESIVE (SV380C) 333CC GRY | |
| 1-493-127-21 | REMOTE COMMANDER (RMF-TX200U) | UC2/LA1 |
| 1-493-128-11 | REMOTE COMMANDER (RMF-TX200B) | LA8/CO1/AR4/ECU |

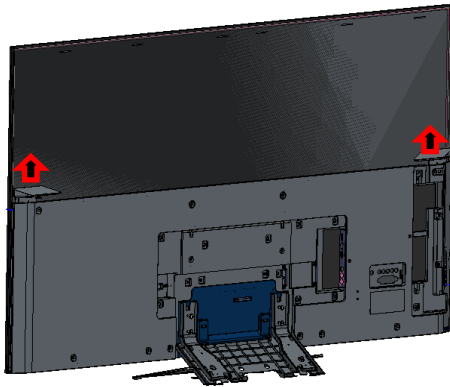
| PART No. | DESCRIPTION | MARK |
|----------------|--------------------------------|---------------------------------|
| △ 1-493-117-13 | AC ADAPTOR(240W) | For 55"/65" |
| △ 1-785-504-21 | ADAPTOR, CONVERSION | For 55"/65": LA8/ECU |
| △ 1-846-383-11 | POWER-SUPPLY CORD SET | For 55"/65": LA8/ECU |
| △ 1-836-883-11 | POWER-SUPPLY CORD | For 55"/65": LA1/UC2/CO1 |
| △ 1-848-332-11 | POWER-SUPPLY CORD | For 55"/65": AR4 |
| 1-845-283-21 | IR BLASTER | LA1/UC2 |
| * 1-848-803-12 | RCA CONVERSION CABLE | LA8/LA1/CO1/AR4/ECU |
| △ 1-849-225-11 | DC PLUG CORD | For 55"/65" |
| 4-582-002-01 | CLAMP, CABLE(GNT S) | |
| * 4-584-788-12 | REFERENCE GUIDE | UC2 |
| * 4-584-805-32 | REFERENCE GUIDE | LA1 |
| * 4-584-959-32 | REFERENCE GUIDE | LA8/CO1 |
| * 4-584-960-32 | REFERENCE GUIDE | AR4/ECU |
| 4-580-285-01 | ACC BOX (2L GNT) A | For 65": LA8/LA1/CO1/AR4/ECU |
| 4-581-408-01 | BAG, SCREW (M5L12)(8)(GNT L) | For 65": LA8/CO1/AR4/ECU |
| 4-580-277-02 | ATTACHMENT, WALL MOUNT A (GNT) | For 55"/65" |
| 4-580-404-11 | STAND, BASE (1L GNT) A | For 55" |
| 4-580-407-01 | STAND, NECK (1L GNT) A | For 55" |
| 4-586-159-01 | STAND, COVER REAR (1L GNT) A | For 55" |
| 4-588-788-01 | COVER CENTER A (L GNT) | For 55" |
| 4-580-405-11 | STAND, BASE (2L GNT) A | For 65" |
| 4-580-408-01 | STAND, NECK (2L GNT) A | For 65" |
| 4-586-161-01 | STAND, COVER REAR (2L GNT) A | For 65" |
| 4-588-787-01 | COVER CENTER A (2L GNT) | For 65" |
| 4-580-406-11 | STAND, BASE (3L GNT) A | For 75" |
| 4-580-409-01 | STAND, NECK (3L GNT) A | For 75" |
| 4-586-163-01 | STAND, COVER REAR (3L GNT) A | For 75" |
| 4-590-215-01 | COVER, CENTER (3L GNT) A | For 75" |
| 4-586-102-02 | ATTACHMENT, WALL MOUNT A (3L G | For 75" |

END

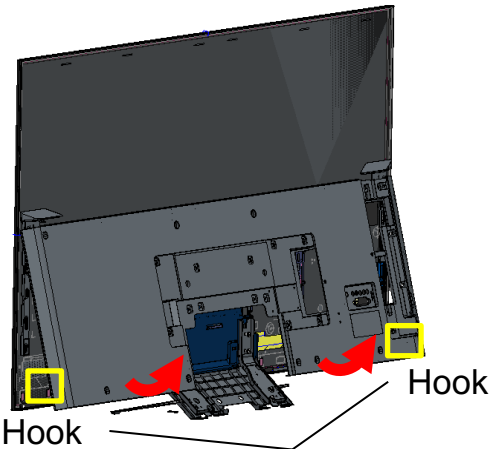
APPENDIX-1

How to take off a rear cover

After taking off screws for disassembly, pull SLIDE BRACKET to upside

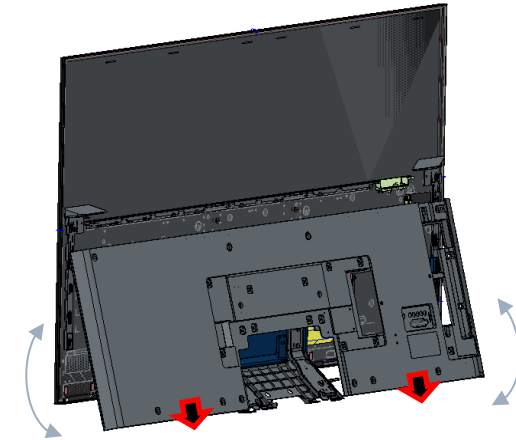


Pull Rear Cover backside

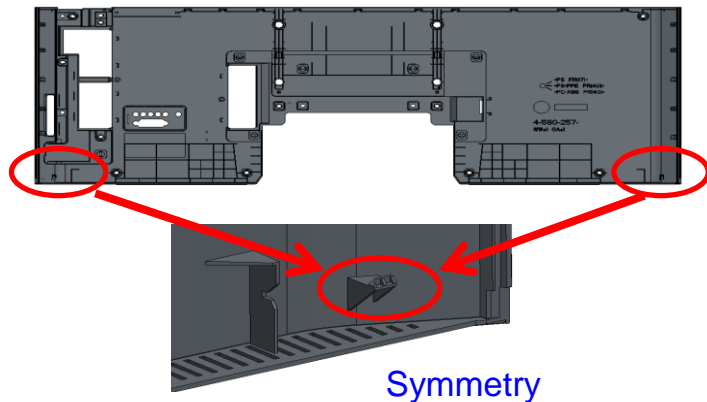


Need to unfix the Hook both bottom corner

Pull Rear Cover to downside



If it is difficult, pull RC to downside with shaking RC. (Ref. blue arrow mark)



Symmetry

NOTE: Check the Hook condition after disassembling RC
1) Check whether hook near bottom corner has broken or not.
2) If Hook has broken, please change new RC.

APPENDIX-2

How to disassemble HEAT SINK (BM1 board)



○ HOLDER, HS WS (MUF)
4-548-743-01

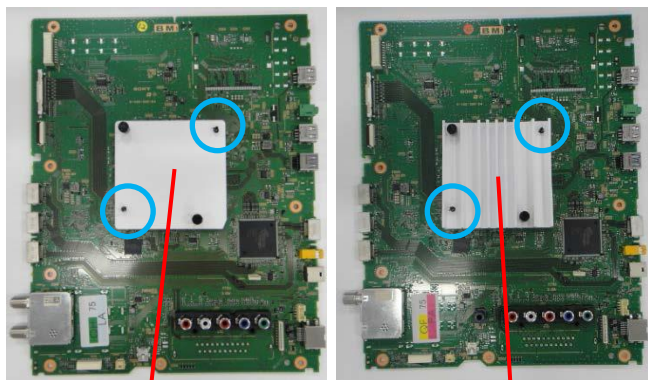
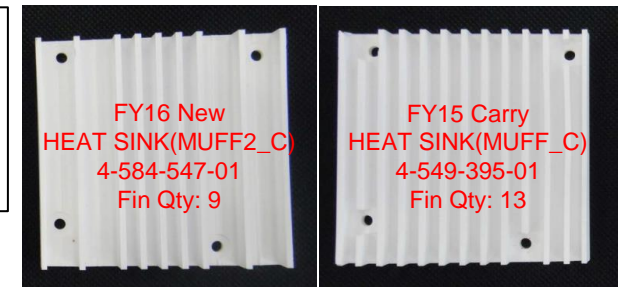
<NOTE>

HEAT SINK are already attached to the B board for service.
If you need to disassemble HEAT SINK from B board for repair,
Please cut **HOLDER,HS WS(MUF)** with tool (nippers) from B side of B board.
However, please do it carefully because some damage may be given
to the neighborhood parts or the B board itself.



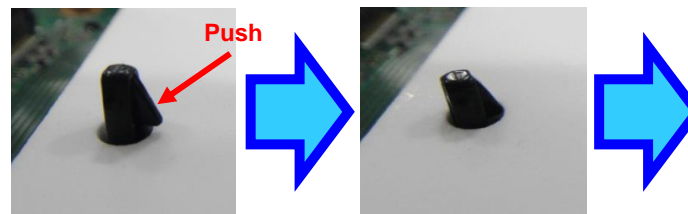
When you re-assemble HEAT SINK,
Do not reuse HOLDER,HS WS. Should be replaced to new parts.
And **Potting operation is necessary** at the same time for re-assembly of HEAT SINK.
Please refer SBR "New Potting TIM Operation for board repair" for details.

Ceramic FIN HEAT SINK has 2 types such as right photos.
The difference b/w FY16 New and FY15 Carry is **Fin Qty.**
Size and Hole position is same.
You can use both Ceramic FIN HEAT SINK for an assembly of
QF75" BM1 board.



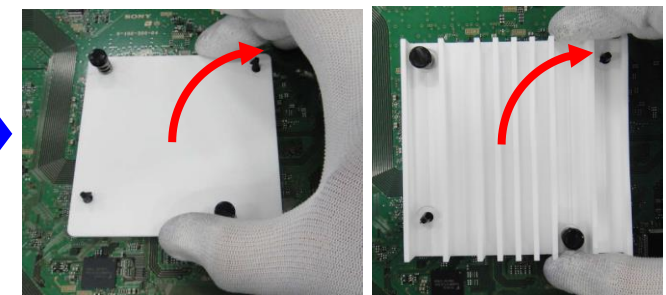
55"/65": HEAT SINK (MUFF CP) 75": HEAT SINK (MUFF2_C)

○ HOLDER, (HS MUF)
4-549-188-01

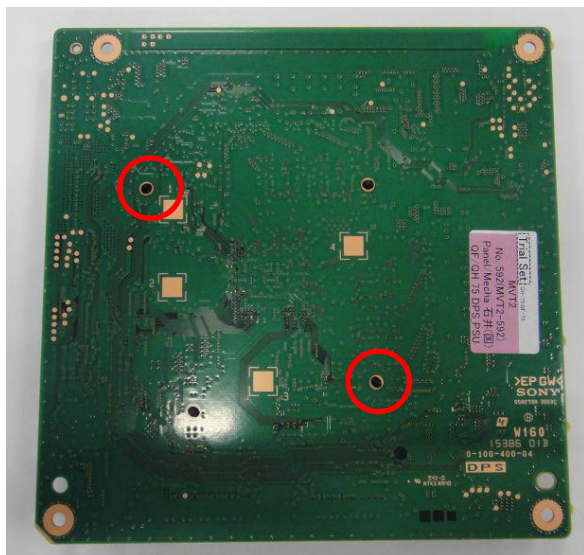


Unhook HOLDER,(HS MUF)

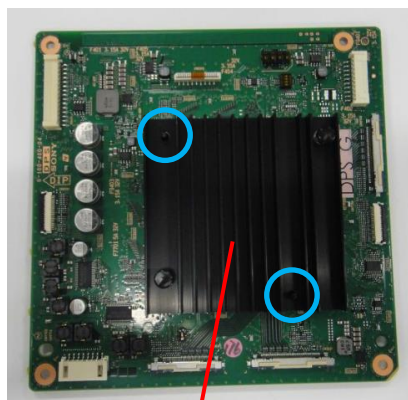
**Do not reuse HOLDER.
Should be replaced to new parts.**



How to disassemble HEAT SINK (DPS board)



○ HOLDER, HS WS (MUF)
4-548-743-01



HEAT SINK (MUFF)

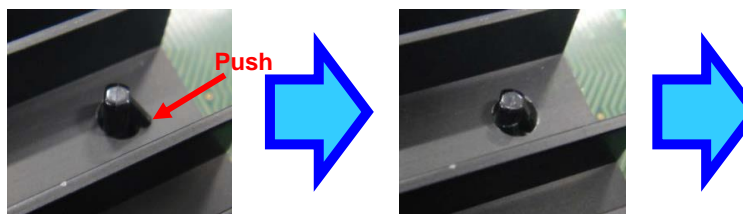
○ HOLDER, (HS MUF)
4-549-188-01

<NOTE>

HEAT SINK are already attached to the DPS board for service.
If you need to disassemble HEAT SINK from DSP board for repair,
Please cut **HOLDER,HS WS(MUF)** with tool (nippers) from B side of DPS board.
However, please do it carefully because some damage may be given
to the neighborhood parts or the DPS board itself.



When you re-assemble HEAT SINK,
Do not reuse HOLDER,HS WS. Should be replaced to new parts.
And **Potting operation is necessary** at the same time for re-assembly of HEAT SINK.
Please refer SBR "New Potting TIM Operation for board repair" for details.



Unhook HOLDER,(HS MUF)

**Do not reuse HOLDER.
Should be replaced to new parts.**

