

# ***SERVICE MANUAL***

\*Table of contents is on the last page. Please also utilize "Bookmarks" function / "Find" function on Acrobat PDF data.



**ORIGINAL MANUAL ISSUE DATE: 12/2017**

CHASSIS Name: GN4TP  
Segment Name: CL

<b>Version</b>	<b>Date</b>	<b>Subject</b>
1.0	12/2017	Original manual issue.

**LCD Digital Color TV**

**SONY®**

9-888-756-01

# MODEL LIST

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<u>MODEL</u>	<u>COLOR</u>	<u>COMMANDER</u>	<u>DEST.</u>
<i>KD-43X720F UC2</i>	<i>Black</i>	<i>RMT-TX300U</i>	<i>NA</i>
<i>KD-49X720F UC2</i>	<i>Black</i>	<i>RMT-TX300U</i>	<i>NA</i>
<i>KD-55X720F UC2</i>	<i>Black</i>	<i>RMT-TX300U</i>	<i>NA</i>
<i>KD-43X720F LA1</i>	<i>Black</i>	<i>RMT-TX300U</i>	<i>Mexico</i>
<i>KD-49X720F LA1</i>	<i>Black</i>	<i>RMT-TX300U</i>	<i>Mexico</i>
<i>KD-55X720F LA1</i>	<i>Black</i>	<i>RMT-TX300U</i>	<i>Mexico</i>
<i>KD-49X725F LA8</i>	<i>Black</i>	<i>RMT-TX300B</i>	<i>LATAM</i>
<i>KD-55X725F LA8</i>	<i>Black</i>	<i>RMT-TX300B</i>	<i>LATAM</i>
<i>KD-49X725F AR4</i>	<i>Black</i>	<i>RMT-TX300B</i>	<i>Argentina</i>
<i>KD-55X725F AR4</i>	<i>Black</i>	<i>RMT-TX300B</i>	<i>Argentina</i>
<i>KD-49X727F CO1</i>	<i>Black</i>	<i>RMT-TX300B</i>	<i>Columbia</i>
<i>KD-55X727F CO1</i>	<i>Black</i>	<i>RMT-TX300B</i>	<i>Columbia</i>

<u>MODEL</u>	<u>COLOR</u>	<u>COMMANDER</u>	<u>DEST.</u>
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# WARNINGS AND CAUTIONS - ENGLISH

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## CAUTION

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

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

## WARNING!!

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

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

## CARRYING THE TV

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

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

## SAFETY-RELATED COMPONENT WARNING!!

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

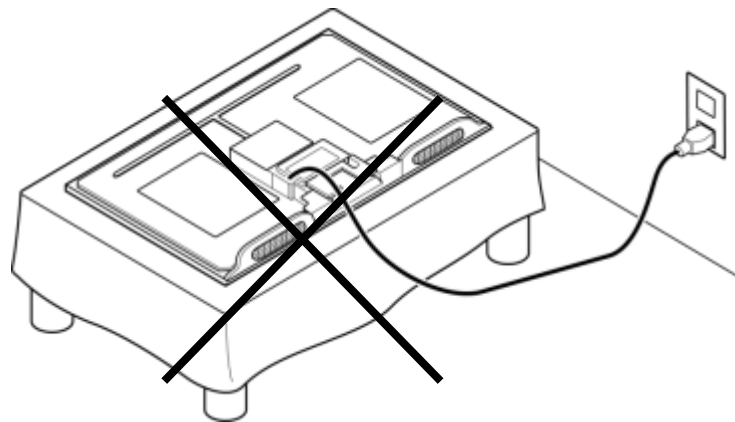
Follow these procedures whenever critical components are replaced or improper operation is suspected.

## 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) Always clean the LCD panel with a soft cloth material.
- 7) Use care when handling the wires or connectors of the inverter circuit. Damaging the wires may cause a short.
- 8) Protect the panel from ESD to avoid damaging the electronic circuit (C-MOS).
- 9) It is recommended not to exceed 1 hour of Power-On nor Burn-in period with LCD panel face down condition, in repair activity.
- 10) Disconnect the AC power when replacing the parts.(FFC cable etc.).



# SAFETY CHECK-OUT

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

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

## Leakage Test

(To protect electric shock when customer touch the terminal.)

Leakage current can be measured by V: Voltmeter or oscilloscope (r.m.s. or peak reading)

Stabilized power supply instrument and isolated voltage transformer:

Use too much current capacity and isolated voltage transformer does not need to use stabilized power supply equipment

Specification of RMS volt meter: Input resistance > 1 Mohm, Input capacitance < 200 pF,

Frequency range: 15 Hz – 1MHz (Refer Figure 1). Isolated type volt -meter (FLUKE 8921A etc \*1)

\*1 Not use FLUKE 8920A that connected to protective earth by diode

# Leakage current of measurement instrument is less than 10 $\mu$ Arms when under test equipment AC plug is opened

# Set up the following condition and turn on the set.

Applied voltage: Nominal input voltage (Description on Nameplate)

# Measure the leakage current between one phase conductor and neutral for terminal A and terminal B.

Read rms value, and then calculate to peak value PEAK VALUE = $\sqrt{2}$  RMS VALUE

Comply with the following requirement Class II equipment (2-pin plug): for each terminal, the worst value of measurement must not exceed AC 350 $\mu$ A peak). Note: including AC adaptor, AC adaptor/DC operated unit combination

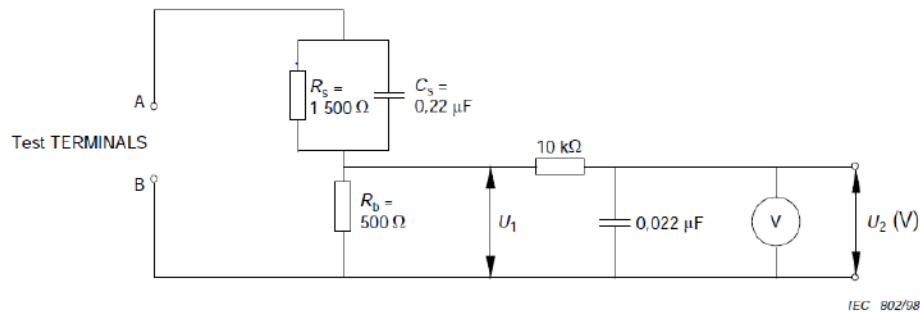


Figure 1 – Measuring network for Leakage Current

## 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).

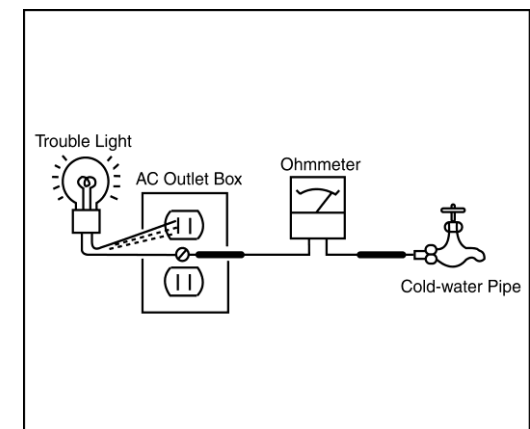


Figure B. Checking for earth ground.

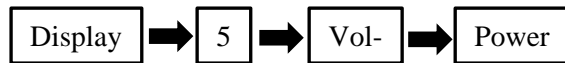
# SELF DIAGNOSIS FUNCTION

This model support Self Diagnosis Function.

## HOW TO ENTERING Self Diagnosis Display

### 1) standby mode

- a. Turn on the main power switch to place this set in standby mode.
- b. Press the buttons on the remote commander as follows, and entering service mode.



### 2) power on mode

- a. Turn on the main power switch to place this set in Power on mode.
- b. Directly go to Self Diagnosis Display in Service Menu.

## Self Diagnosis Display



Items	Error Items	Description
002	MAIN_POWER	Detect and observe main voltage
003	AUD_ERR	Detecting/Observing audio AMP error
003	AUD_I2C	Audio AMP communication error
004	PANEL_POWER_ERR	Detect and observe for Panel_12V
005	PANEL_I2C_ERR	Detect Panel I2C Communication access error
006	BACKLIGHT_ERR	Detect and observe backlight error
000	TU_DEMOD	Tuner & Demodulator I2Ccommunication monitoring. Tuner Detect signal monitoring.

# SERVICE POSITION

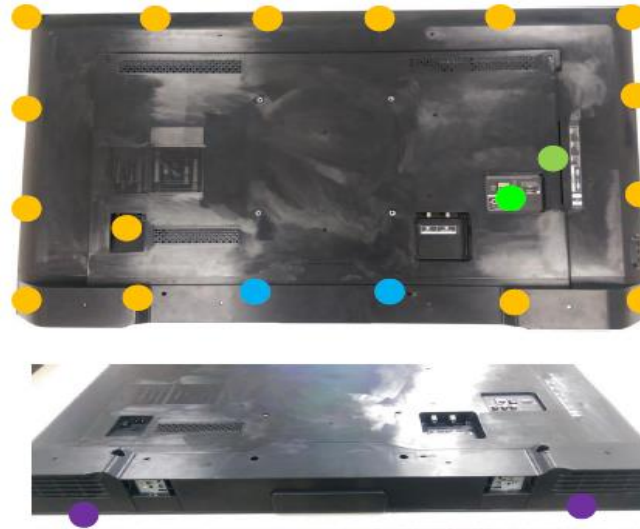
As for this model, the bottom of rear cover is installed between the stand assy and the panel.  
Therefore according to the following procedure when performing adjustment and operation check after the part replacement.

## <KD-43X SERIES>

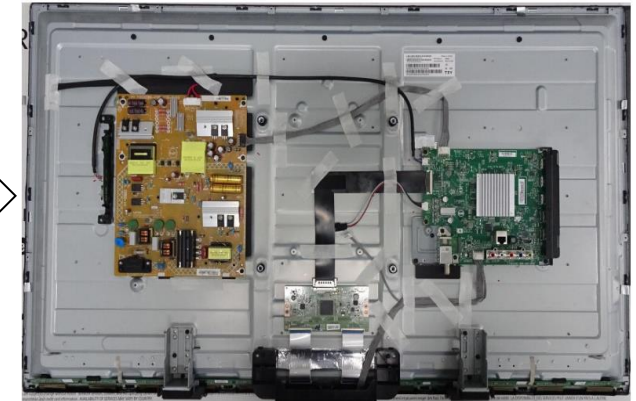
1. Remove all screws on the Stand to main unit (4 screws)



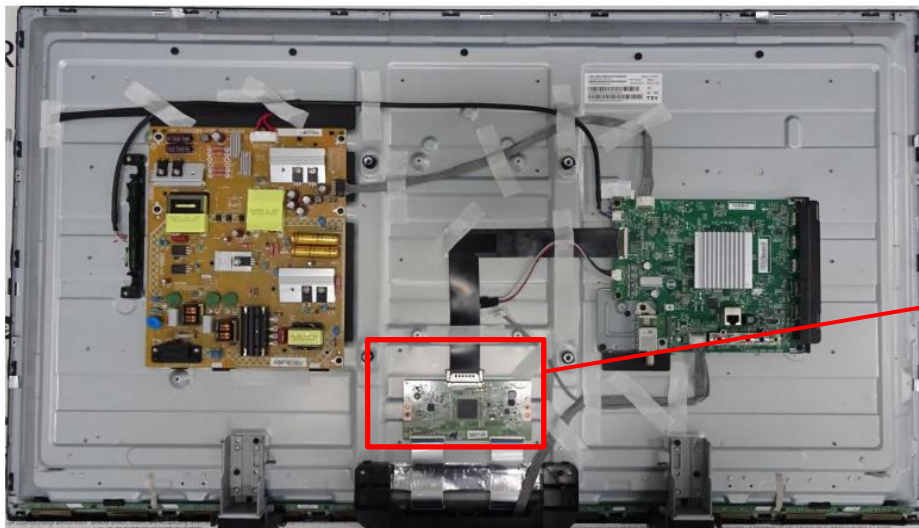
2. Remove all screws on the Rear Cover to Bezel & Main Board & Bracket (21 screws)



3. After removing rear cover, lie down the main unit to a surface for following test/repair.



●	4-734-425-01	SCREW M4x16	4
●	7-682-903-19	SCREW M3x6	15
●	7-682-247-09	SCREW M3x6	1
●	4-595-221-01	SCREW T3x8	2
●	4-734-427-01	SCREW T3x6	1
●	4-734-427-01	SCREW T3x6	2



**Attention:** This photo is based on Sony criteria for appearing standing the main unit after removing back cover and assembling the stand. But considering mechanical design of the models and normal service process, it is not recommended to keep main unit standing by this status for repairing/testing at repair center. Please pay attention for avoiding possible scratch/deformation occurred.

**Note:** Remove rear cover, then assemble the stand to main unit. This will cause the stand with main unit fit closely, scratch or deformation may occurred easily on the stand or bezel deco.

# SERVICE POSITION

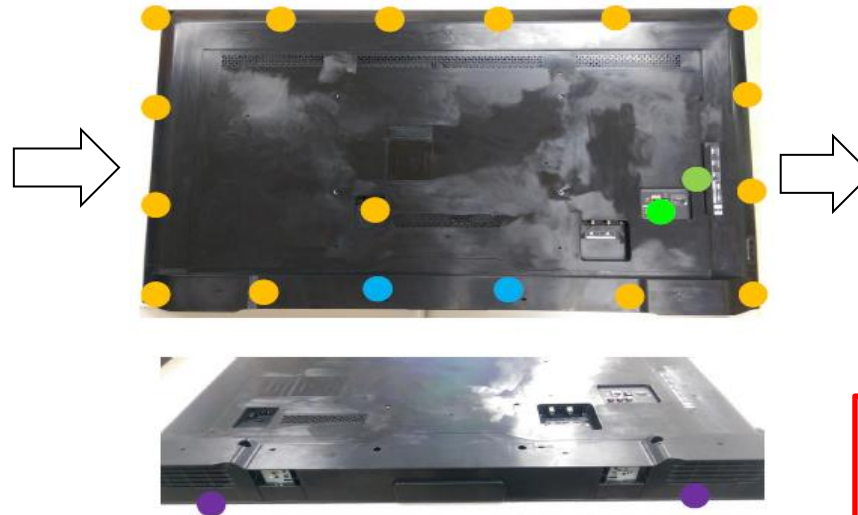
As for this model, the bottom of rear cover is installed between the stand assy and the panel.  
Therefore according to the following procedure when performing adjustment and operation check after the part replacement.

## <KD-49X SERIES>

1. Remove all screws on the Stand to main unit (4 screws)



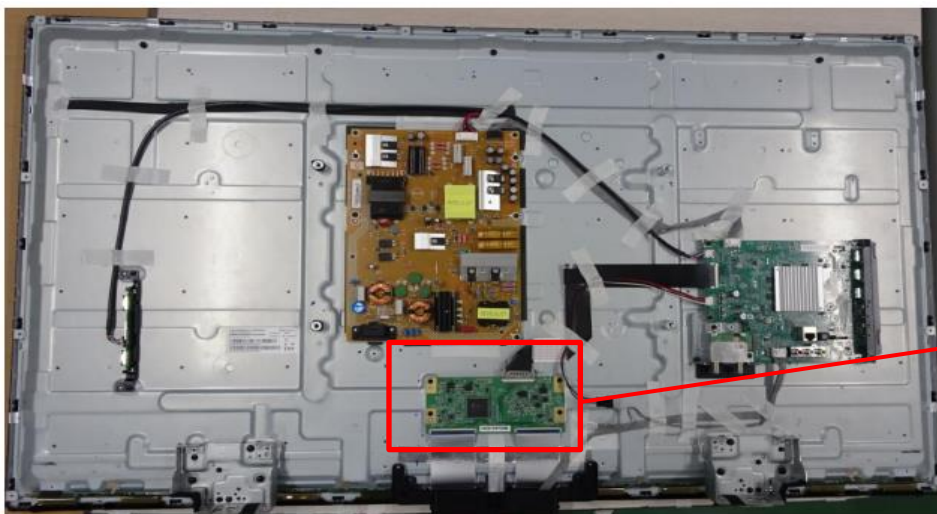
2. Remove all screws on the Rear Cover to Bezel & Main Board & Bracket (21 screws)



3. After removing rear cover, lie down the main unit to a surface for following test/repair.



●	4-734-425-01	SCREW M4x16	4
●	7-682-903-19	SCREW M3x6	15
●	7-682-247-09	SCREW M3x6	1
●	4-595-221-01	SCREW T3x8	2
●	4-695-267-01	SCREW T3x6	1
●	4-695-267-01	SCREW T3x6	2



**Attention:** This photo is based on Sony criteria for appearing standing the main unit after removing back cover and assembling the stand. But considering mechanical design of the models and normal service process, it is not recommended to keep main unit standing by this status for repairing/testing at repair center. Please pay attention for avoiding possible scratch/deformation occurred.

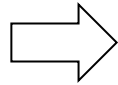
**Note:** Remove rear cover, then assemble the stand to main unit. This will cause the stand with main unit fit closely, scratch or deformation may occurred easily on the stand or bezel deco.

# SERVICE POSITION

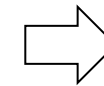
As for this model, the bottom of rear cover is installed between the stand assy and the panel.  
Therefore according to the following procedure when performing adjustment and operation check after the part replacement.

## <KD-55XSERIES>

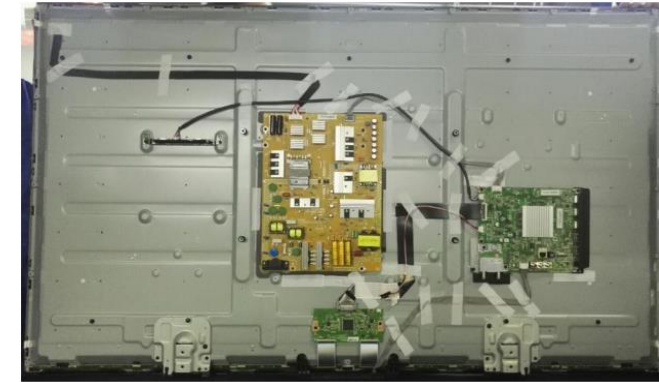
1. Two person lie down the TV set to a surface, then remove all screws on the Stand to main



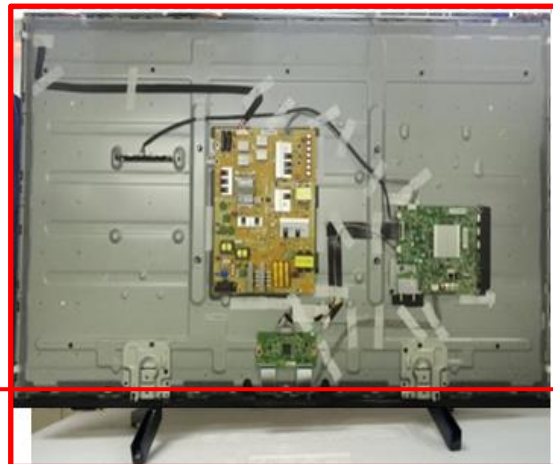
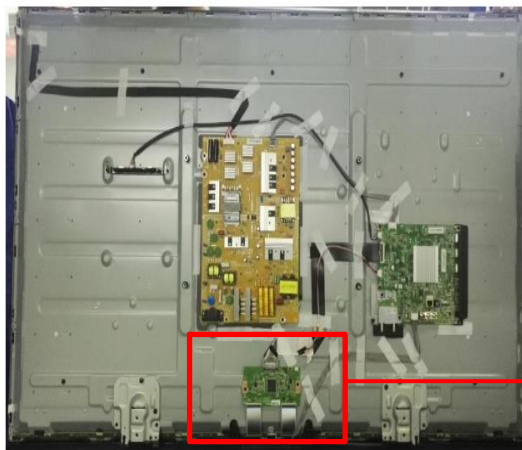
2. Remove all screws on the Rear Cover to Bezel & Main Board & Bracket (24 screws)



3. After removing rear cover, lie down the main unit to a surface for following test/repair.



●	4-737-525-01	SCREW M6x16	4
●	7-682-903-19	SCREW M3x6	20
●	7-682-247-09	SCREW M3x6	1
●	4-695-267-01	SCREW T3x6	1
●	4-734-427-01	SCREW T3x6	2



**Attention:** This photo is based on Sony criteria for appearing standing the main unit after removing back cover and assembling the stand. But considering mechanical design of the models and normal service process, it is not recommended to keep main unit standing by this status for repairing/testing at repair center. Please pay attention for avoiding possible scratch/deformation occurred.


**Note:** Remove rear cover, then assemble the stand to main unit. This will cause the stand with main unit fit closely, scratch or deformation may occurred easily on the stand or bezel deco.

# SEC 1. DISASSEMBLY AND PARTS LIST

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- 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  are critical for safety. Replace only with part number specified.**

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

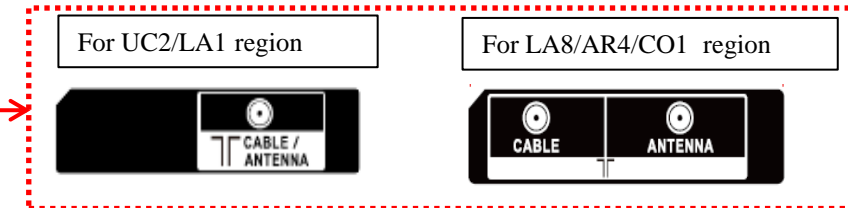
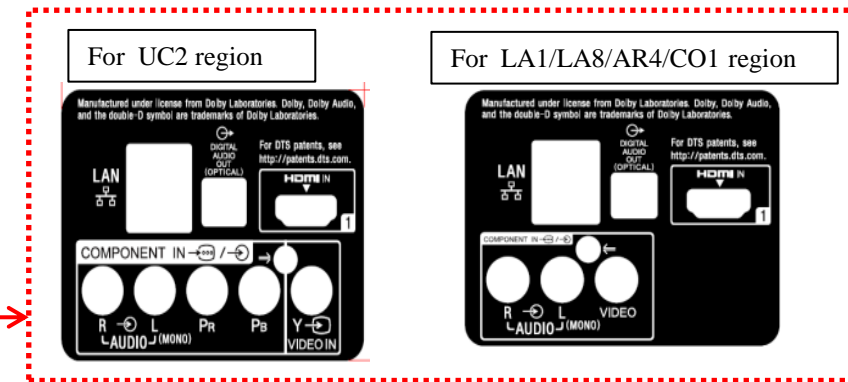
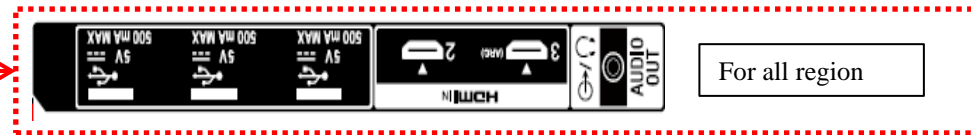
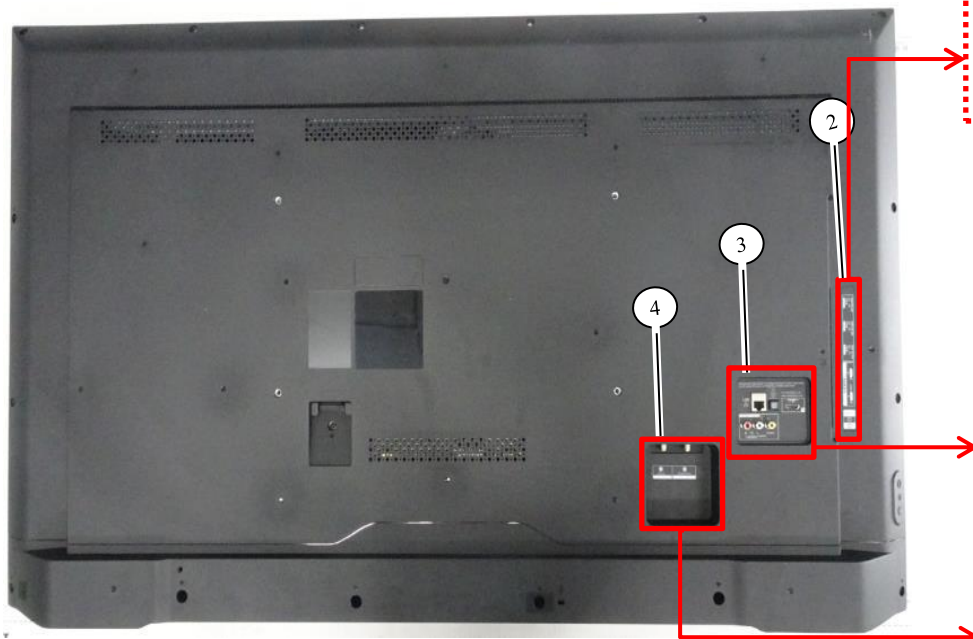
**1-1. KD-43X Series**

**1-1-1. BASE STAND**



REF. No.	PART No.	DESCRIPTION	REMARK
1	A-2216-829-A	STAND ASSY L	for all region
	A-2216-831-A	STAND ASSY R	for all region
2	4-737-534-01	LABER SIDE IO	for all region
3	4-737-535-01	LABER REAR IO	for UC2 region
	4-737-536-01	LABER REAR IO	for LA1/LA8/AR4/CO1 region
4	4-737-537-01	LABER BOTTOM IO	for UC2/LA1 region
	4-737-538-01	LABER BOTTOM IO	for LA8/AR4/CO1 region

● 4-734-425-01 SCREW M4x16 4



**1-1. KD-43X Series**  
**1-1-2. REAR COVER**

REF. No.	PART No.	DESCRIPTION	REMARK
5	4-737-479-01	COVER REAR	for all region

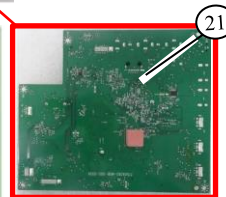
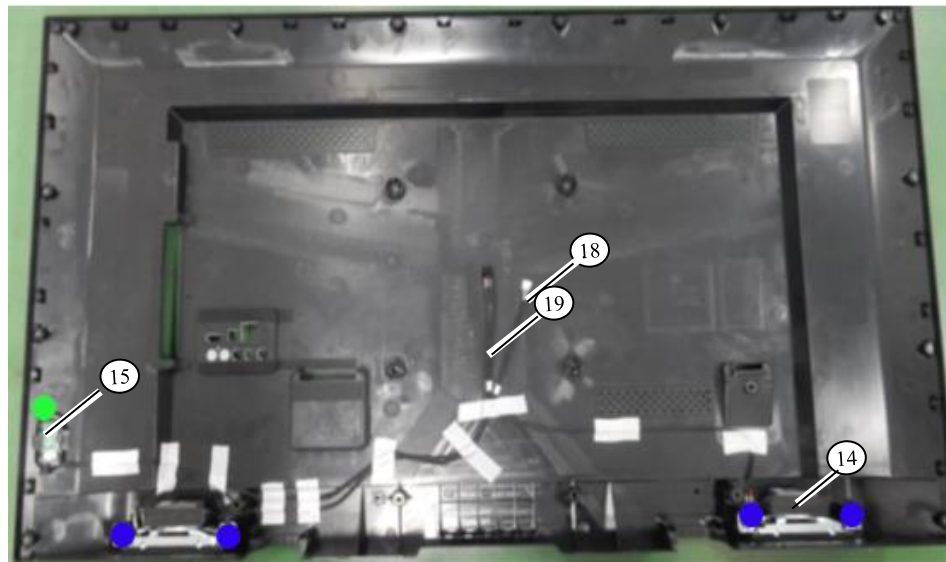
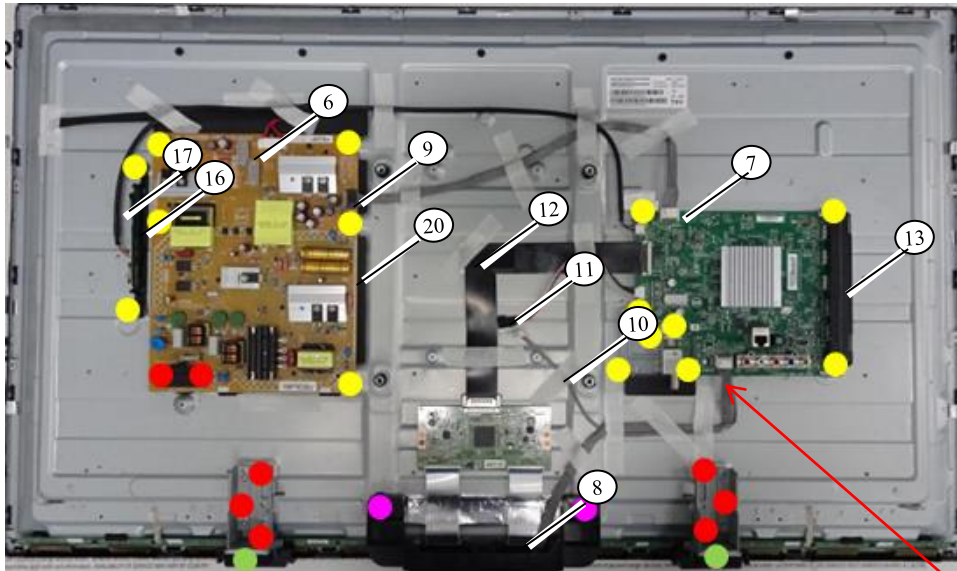


	7-682-903-19	SCREW M3x6	15
	7-682-247-09	SCREW M3x6	1
	4-595-221-01	SCREW T3x8	2
	4-734-427-01	SCREW T3x6	1
	4-734-427-01	SCREW T3x6	2



**1-1. KD-43X Series**

**1-1-3. POWER BOARD, A BOARD ,H BOARD,KEY BOARD,SPEAKER AND WIFI ANTENNA**



REF. No.	PART No.	DESCRIPTION MARK
6	1-493-499-11	MOUNTED PWB POWER UNIT (PSU)
7	1-897-287-11	MOUNTED PWB A (MB) for UC2 region
	1-897-291-11	MOUNTED PWB A (MB) for LA1 region
8	1-897-276-11	MOUNTED PWB H (IR)
9	1-910-113-29	CONINECTOR ASSY 16P (MB-PSU)
10	1-910-113-35	CONINECTOR ASSY 16P (MB-IR-KEY)
11	1-910-113-31	CONINECTOR ASSY 4P (MB-SP)
12	1-910-113-40	LVDS CABLE(MB-Panel)
13	4-737-482-01	BRACKET SIDE IO
14	1-859-300-11	LOUDSPEAKER(10W)
15	1-895-957-11	MOUNTED PWB KEY (UNDER KEY MODULE)
16	1-897-294-11	WIFI MODULE(WITH ANTENNA)
17	1-910-113-04	CONNETOR ASSY 8P(MB-WIFI)
18	1-910-113-37	CONINECTOR ASSY 16P (MB-IR-KEY)
19	1-910-113-30	CONINECTOR ASSY 4P (MB-SP)
20	4-737-521-01	SHEET, INSULATION
21	4-739-673-01	THERMAL PAD

	7-682-247-09	SCREW M3x6	2
	4-595-217-01	SCREW M4x6	2
	4-595-216-01	SCREW M3x6	15
	4-595-217-01	SCREW M3x8	8
	2-345-219-11	SCREW T3x6	1
	4-739-674-01	SCREW T4x10	4

**1-1. KD-43X Series**

**1-1-4. LCD PANEL and COVER, BOTTOM**

REF. No.	PART No.	DESCRIPTION MARK
1     ▲	A-2207-613-A	LCM ASSY TPT430U3-EQYSHM.G S1AM



**1-1. KD-43X Series****1-1-5. MISCELLANEOUS**

REF. No.	PART No.	DESCRIPTION	MARK
1	1-493-312-12	REMOTE COMMANDER(RMT-TX300U)	FOR UC2/LA1 region
	$\triangle$ 1-493-313-12	REMOTE COMMANDER(RMT-TX300B)	FOR CO1/LA8/AR4 region
2	1-846-425-43	CORD SET POWER-SUPPLY	FOR UC2/CO1/LA1 region
	1-846-428-43	CORD SET POWER-SUPPLY	FOR LA8 region
	1-846-426-43	CORD SET POWER-SUPPLY	FOR AR4 region
3	4-734-616-01	MANUAL	FOR UC2 region
	4-734-617-01	MANUAL	FOR LA1/LA8 region
	4-734-620-01	MANUAL	FOR AR4/CO1 region

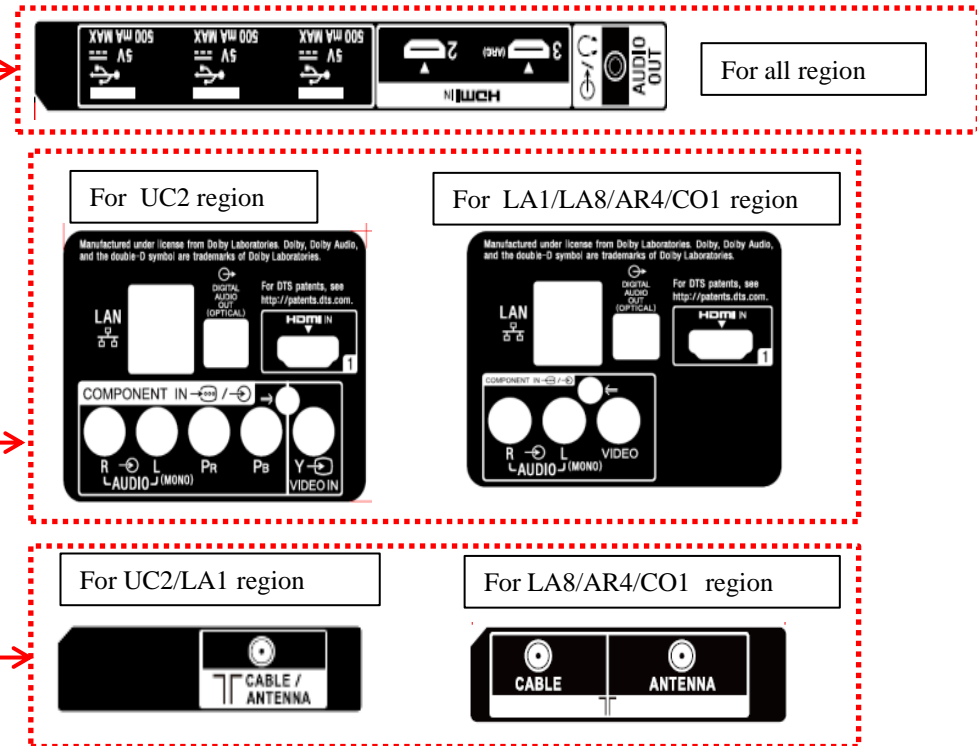
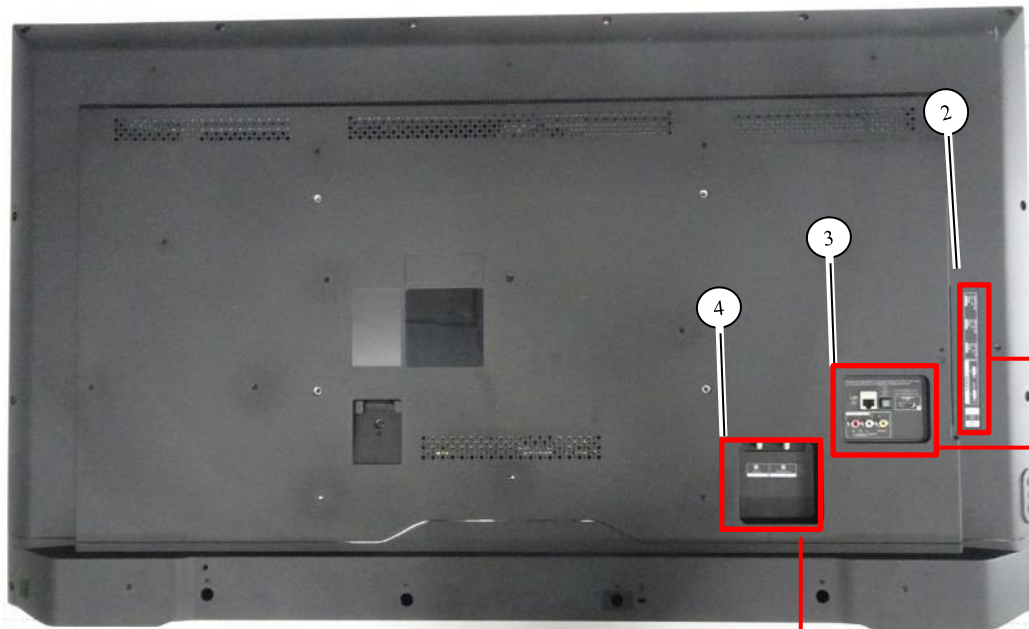
**1-2. KD-49X Series**

**1-2-1. BASE STAND**



REF. No.	PART No.	DESCRIPTION	REMARK
1	A-2216-829-A	STAND ASSY L	for all region
	A-2216-831-A	STAND ASSY R	for all region
2	4-737-534-01	LABER SIDE IO	for all region
3	4-737-535-01	LABER REAR IO	for UC2 region
	4-737-536-01	LABER REAR IO	for LA1/LA8/AR4/CO1 region
4	4-737-537-01	LABER BOTTOM IO	for UC2/LA1 region
	4-737-538-01	LABER BOTTOM IO	for LA8/AR4/CO1 region

	4-734-425-01	SCREW M4x16	4
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**1-2. KD-49X Series**  
**1-2-2. REAR COVER**






**REF. No.**  
5

**PART No.**  
4-737-480-01

**DESCRIPTION**  
COVER REAR

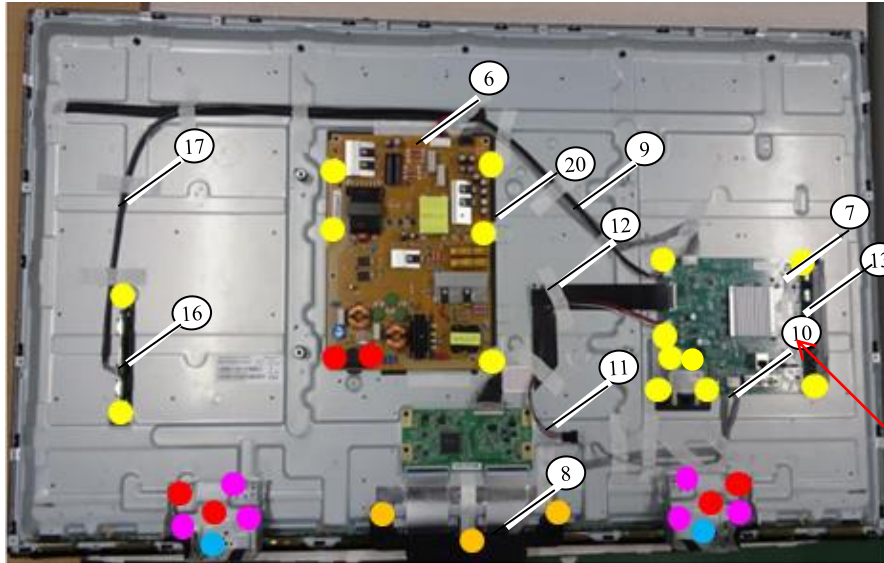
**REMARK**  
for all region



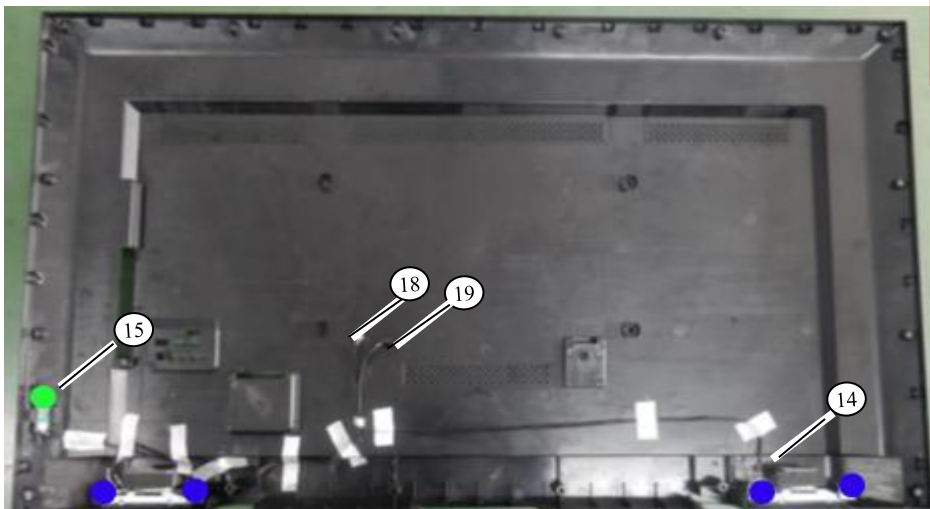
	7-682-903-19	SCREW M3x6	15
	7-682-247-09	SCREW M3x6	1
	4-595-221-01	SCREW T3x8	2
	4-695-267-01	SCREW T3x6	1
	4-695-267-01	SCREW T3x6	2

**1-2. KD-49X Series**

**1-2-3. POWER BOARD, A BOARD ,H BOARD,KEY BOARD,SPEAKER AND WIFI ANTENNA**



REF. No.	PART No.	DESCRIPTION MARK
6	1-493-498-11	MOUNTED PWB POWER UNIT (PSU)
7	1-897-298-11	MOUNTED PWB A (MB) for UC2 region
	1-897-300-11	MOUNTED PWB A (MB) for LA1 region
	1-897-290-11	MOUNTED PWB A (MB) for LA8 region
	1-897-289-11	MOUNTED PWB A (MB) for AR4 region
	1-897-288-11	MOUNTED PWB A (MB) for CO1 region
8	1-897-276-11	MOUNTED PWB H (IR)
9	1-910-113-29	CONINECTOR ASSY 16P (MB-PSU)
10	1-910-113-35	CONINECTOR ASSY 16P (MB-IR-KEY)
11	1-910-113-34	CONINECTOR ASSY 4P (MB-SP)
12	1-910-113-41	LVDS CABLE(MB-Panel)
13	4-737-482-01	BRACKET SIDE IO
14	1-859-300-11	LOUDSPEAKER(10W)
15	1-895-957-11	MOUNTED PWB KEY (UNDER KEY MODULE)
16	1-897-294-11	WIFI MODULE(WITH ANTENNA)
17	1-910-113-43	CONNETOR ASSY 8P(MB-WIFI)
18	1-910-113-37	CONINECTOR ASSY 16P (MB-IR-KEY)
19	1-910-113-32	CONINECTOR ASSY 4P (MB-SP)
20	4-737-521-01	SHEET, INSULATION
21	4-739-673-01	THERMAL PAD



	4-595-216-01	SCREW M3x6	15
	4-595-217-01	SCREW M3x8	6
	4-734-426-01	SCREW M4x10	6
	4-595-217-01	SCREW M3x8	3
	4-595-221-01	SCREW T3x8	2
	2-345-219-11	SCREW T3x6	1
	4-739-674-01	SCREW T4x10	4

**1-2. KD-49X Series**

**1-2-4. LCD PANEL and COVER, BOTTOM**

REF. No.	PART No.	DESCRIPTION MARK
1	△ A-2207-614-A	LCM ASSY TPT490U2-QUB8A.K S89P0F



**1-2. KD-49X Series**

**1-2-5. MISCELLANEOUS**

REF. No.	PART No.	DESCRIPTION MARK
1	1-493-312-12	REMOTE COMMANDER(RMT-TX300U) FOR UC2/LA1 region
	1-493-313-12	REMOTE COMMANDER(RMT-TX300B) FOR CO1/LA8/AR4 region
2	△ 1-846-425-43	CORD SET POWER-SUPPLY FOR UC2/CO1/LA1 region
	1-846-428-43	CORD SET POWER-SUPPLY FOR LA8 region
	1-846-426-43	CORD SET POWER-SUPPLY FOR AR4 region
3	4-734-616-01	MANUAL FOR UC2 region
	4-734-617-01	MANUAL FOR LA1/LA8 region
	4-734-620-01	MANUAL FOR AR4/CO1 region

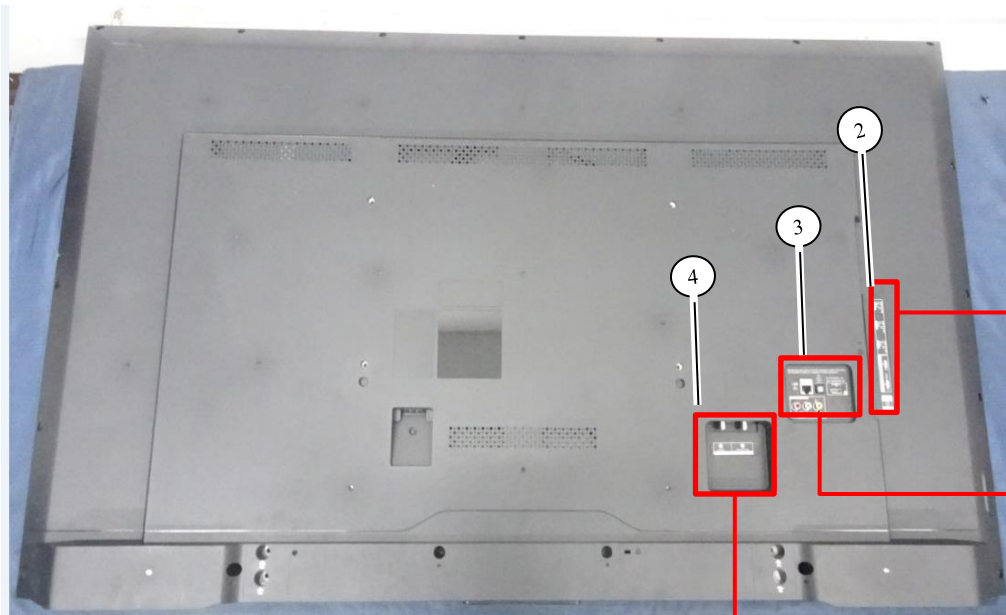
**1-3. KD-55X Series**  
**1-3-1. BASE STAND**



REF. No.	PART No.	DESCRIPTION	REMARK
1	A-2216-830-A	STAND ASSY L	for all region
	A-2216-832-A	STAND ASSY R	for all region
2	4-737-534-01	LABER SIDE IO	for all region
3	4-737-535-01	LABER REAR IO	for UC2 region
4	4-737-536-01	LABER REAR IO	for LA1/LA8/AR4/CO1 region
	4-737-537-01	LABER BOTTOM IO	for UC2/LA1region
	4-737-538-01	LABER BOTTOM IO	for LA8/AR4/CO1 region

①

● 4-737-525-01 SCREW M6x16 4



For all region

For UC2 region

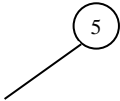
For LA1/LA8/AR4/CO1 region





For UC2/LA1 region

For LA8/AR4/CO1 region

**1-3. KD-55X Series**  
**1-3--2. REAR COVER**

REF. No.	PART No.	DESCRIPTION	REMARK
5	4-737-481-01	COVER REAR	for all region

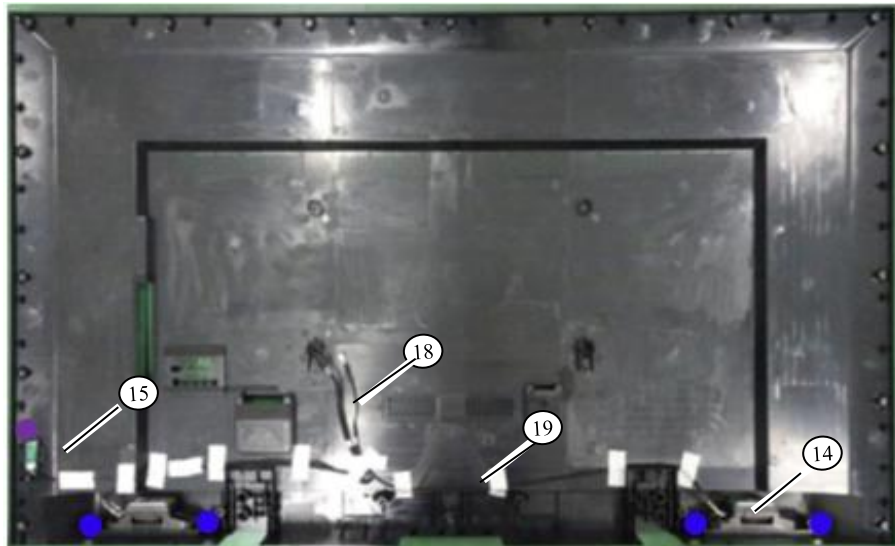
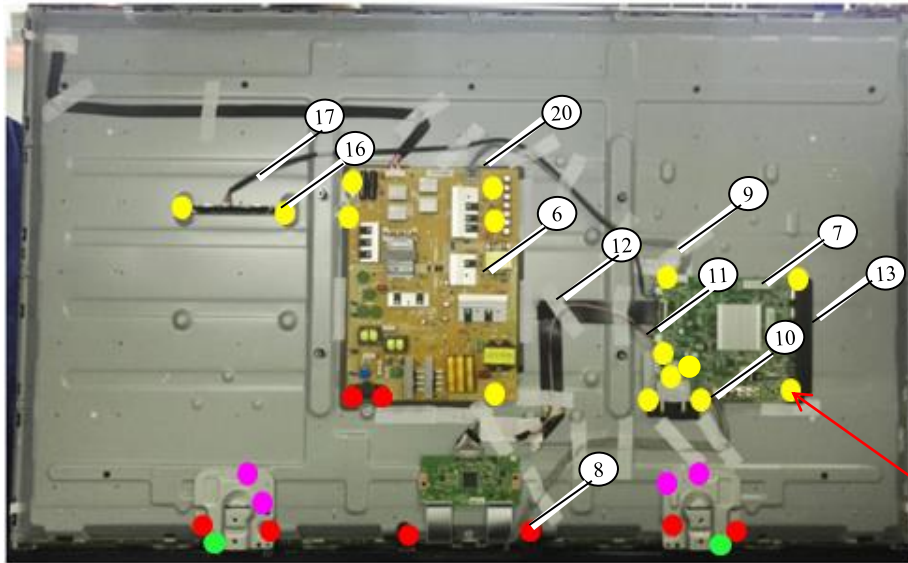


	7-682-903-19	SCREW M3x6	20
	7-682-247-09	SCREW M3x6	1
	4-695-267-01	SCREW T3x8	1
	4-734-427-01	SCREW T3x6	2

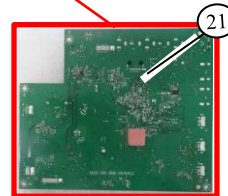


**1-3. KD-55X Series**

**1-3-3. POWER BOARD, A BOARD ,H BOARD,KEY BOARD,SPEAKER AND WIFI ANTENNA**



REF. No.		PART No.	DESCRIPTION	MARK
6	⚠	1-493-497-11	MOUNTED PWB POWER UNIT (PSU)	
7	🔒	1-897-301-11	MOUNTED PWB A (MB)	for UC2 region
		1-897-299-11	MOUNTED PWB A (MB)	for LA1 region
		1-897-297-11	MOUNTED PWB A (MB)	for LA8 region
		1-897-296-11	MOUNTED PWB A (MB)	for AR4 region
		1-897-295-11	MOUNTED PWB A (MB)	for CO1 region
8		1-897-276-11	MOUNTED PWB H (IR)	
9		1-910-113-29	CONINECTOR ASSY 16P (MB-PSU)	
10		1-910-113-36	CONINECTOR ASSY 16P (MB-IR-KEY)	
11		1-910-113-34	CONINECTOR ASSY 4P (MB-SP)	
12		1-910-113-42	LVDS CABLE(MB-Panel)	
13		4-737-482-01	BRACKET SIDE IO	
14		1-859-295-11	LOUDSPEAKER(10W)	
15		1-895-957-11	MOUNTED PWB KEY (UNDER KEY MODULE)	
16	🔒	1-897-294-11	WIFI MODULE(WITH ANTENNA)	
17		1-910-113-04	CONNETOR ASSY 8P(MB-WIFI)	
18		1-910-113-37	CONINECTOR ASSY 16P (MB-IR-KEY)	
19		1-910-113-33	CONINECTOR ASSY 4P (MB-SP)	
20		4-737-523-01	SHEET, INSULATION	
21		4-739-673-01	THERMAL PAD	



●	4-595-216-01	SCREW M3x6	15
●	4-595-217-01	SCREW M3x8	8
●	4-734-425-01	SCREW M4x10	4
●	7-685-646-79	SCREW T3x8	2
●	2-345-219-11	SCREW T3x6	1
●	4-739-674-01	SCREW T4x10	4

**1-3. KD-55X Series**

**1-3-4. LCD PANEL and COVER, BOTTOM**



REF. No.	PART No.	DESCRIPTION MARK
1    ⚠	A-2207-615-A	LCM ASSY TPT550U2-EQYSKM.G S1J

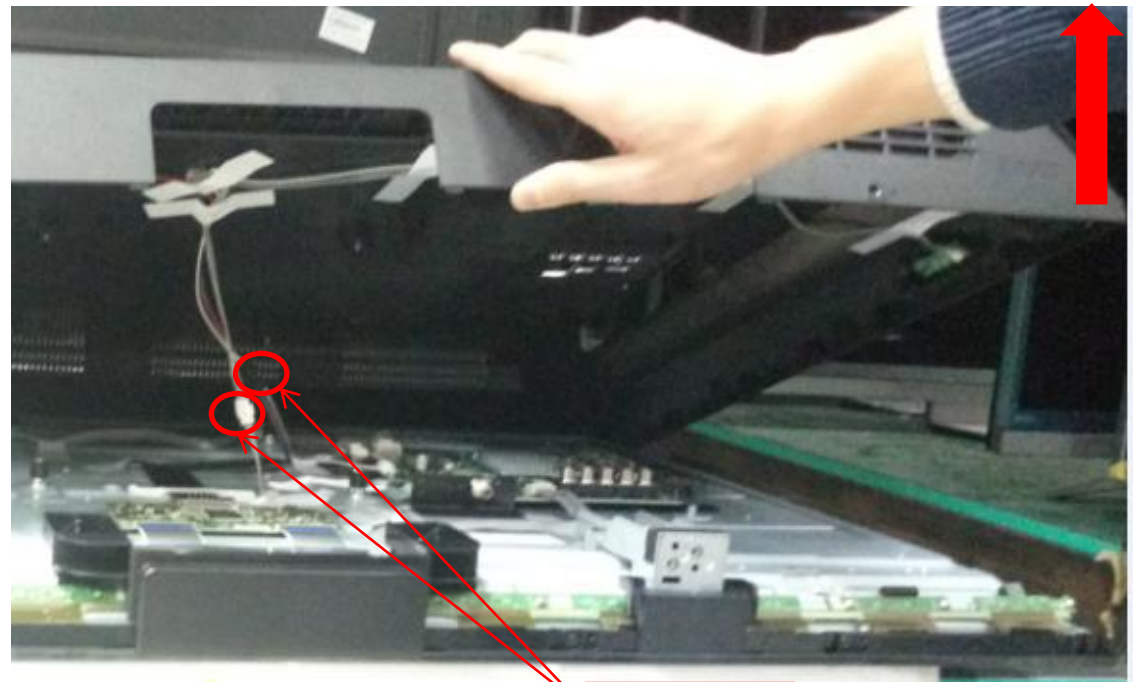
**1-3. KD-55X Series****1-3-5. MISCELLANEOUS**

REF. No.	PART No.	DESCRIPTION MARK
1	1-493-312-12	REMOTE COMMANDER(RMT-TX300U) FOR UC2/LA1 region
	1-493-313-12	REMOTE COMMANDER(RMT-TX300B) FOR CO1/LA8/AR4 region
2	△ 1-846-425-43	CORD SET POWER-SUPPLY FOR UC2/CO1/LA1 region
	1-846-428-43	CORD SET POWER-SUPPLY FOR LA8 region
	1-846-426-43	CORD SET POWER-SUPPLY FOR AR4 region
3	4-734-616-01	MANUAL FOR UC2 region
	4-734-617-01	MANUAL FOR LA1/LA8 region
	4-734-620-01	MANUAL FOR AR4/CO1 region

## 1-4. How to disassemble rear cover [KD-43X Series]

### PROCEDURE TO REMOVAL OF REAR COVER

1. Remove all screws on Rear Cover .
2. Open Rear Cover in order as below.



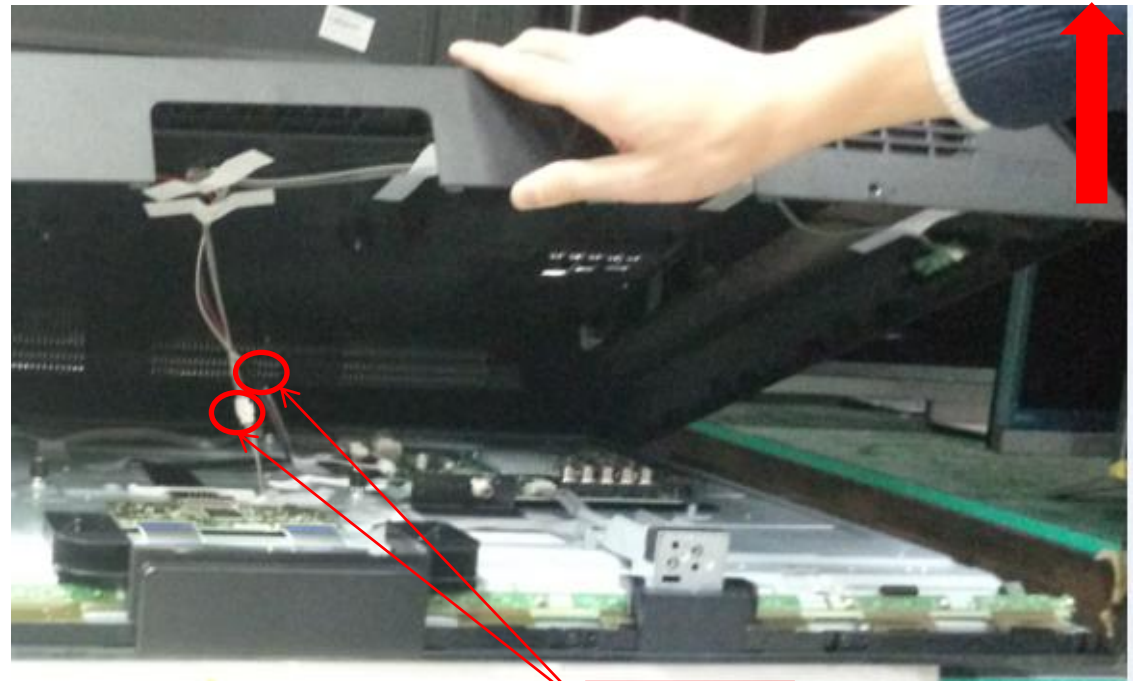
CONNECTOR

Hold the panel from the middle of bezel, and lift rear cover in the direction of the arrow.

## 1-5. How to disassemble rear cover [KD-49X Series]

### PROCEDURE TO REMOVAL OF REAR COVER

1. Remove all screws on Rear Cover.
2. Open Rear Cover in order as below.



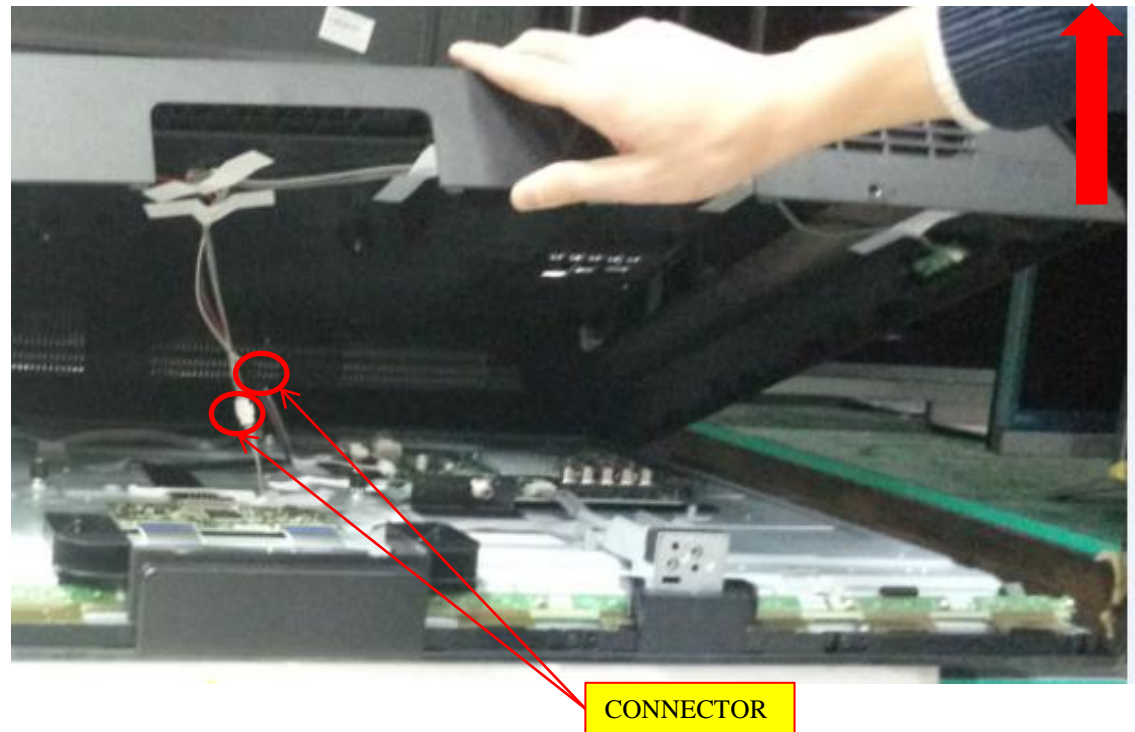
CONNECTOR

Hold the panel from the middle of bezel, and lift rear cover in the direction of the arrow.

## 1-6. How to disassemble rear cover [KD-55X Series]

### PROCEDURE TO REMOVAL OF REAR COVER

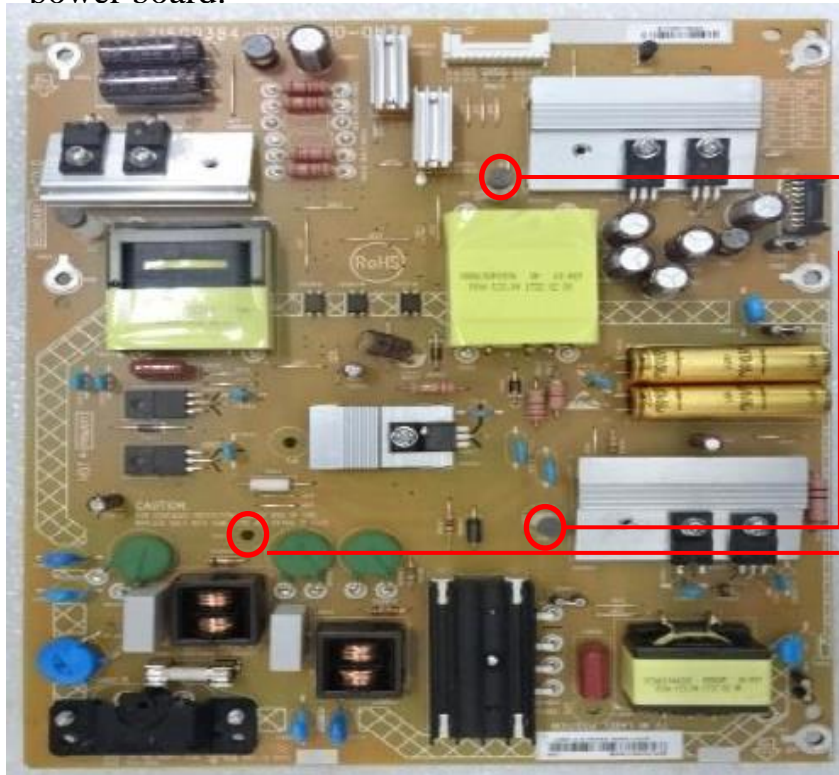
1. Remove all screws on Rear Cover.
2. Open Rear Cover in order as below.



Hold the panel from the middle of bezel, and lift rear cover in the direction of the arrow.

## 1-7. Assembly the PSU Support pin(KD-43X Series)

1.Assemble the four support pins into the power board. And then check whether the support pins is locked well on the back side of the power board.



Check the support pin is fixed well after power board replacement.



Locked well on the back side of the power board.



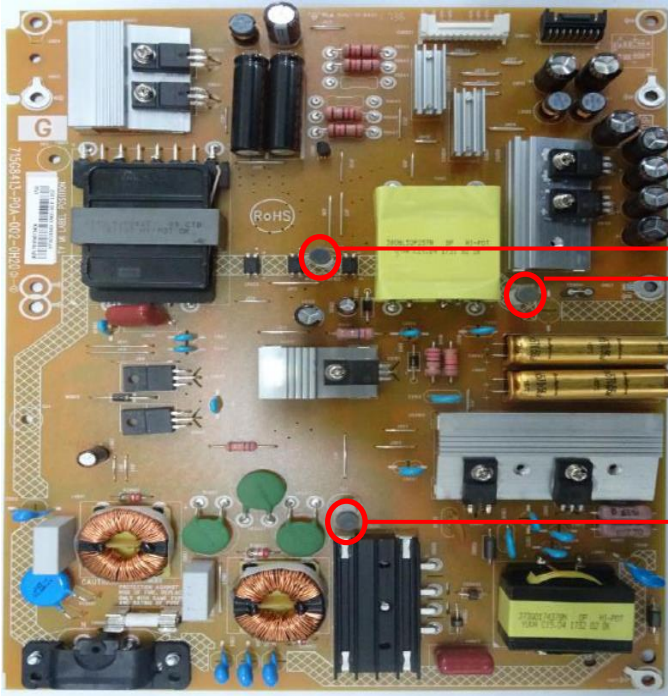
Not locked well on the back side of the power board.

Item	Sony PN	Description	Qty
1	4-737-520-01	SUPPORTER, PWB	3

**Caution:** Please check the support pin after power board replacement.

## 1-8. Assembly the PSU Support pin(KD-49X Series)

1.Assemble the four support pins into the power board. And then check whether the support pins is locked well on the back side of the power board.



Check the support pin is fixed well after power board replacement.



Locked well on the back side of the power board.



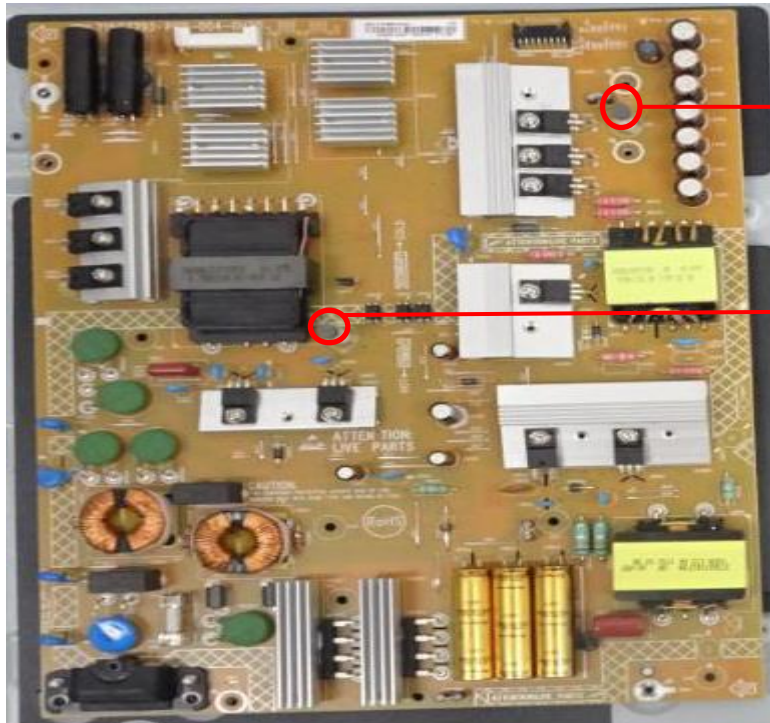
Not locked well on the back side of the power board.

Item	Sony PN	Description	Qty
1	4-737-520-01	SUPPORTER, PWB	3

**Caution:** Please check the support pin after power board replacement.

## 1-9. Assembly the PSU Support pin (KD-55X Series)

1. Assembly the four support pins into the power board. And then check whether the support pins is locked well on the back side of the power board.



Check the support pin is fixed well after power board replacement.



Locked well on the back side of the power board.



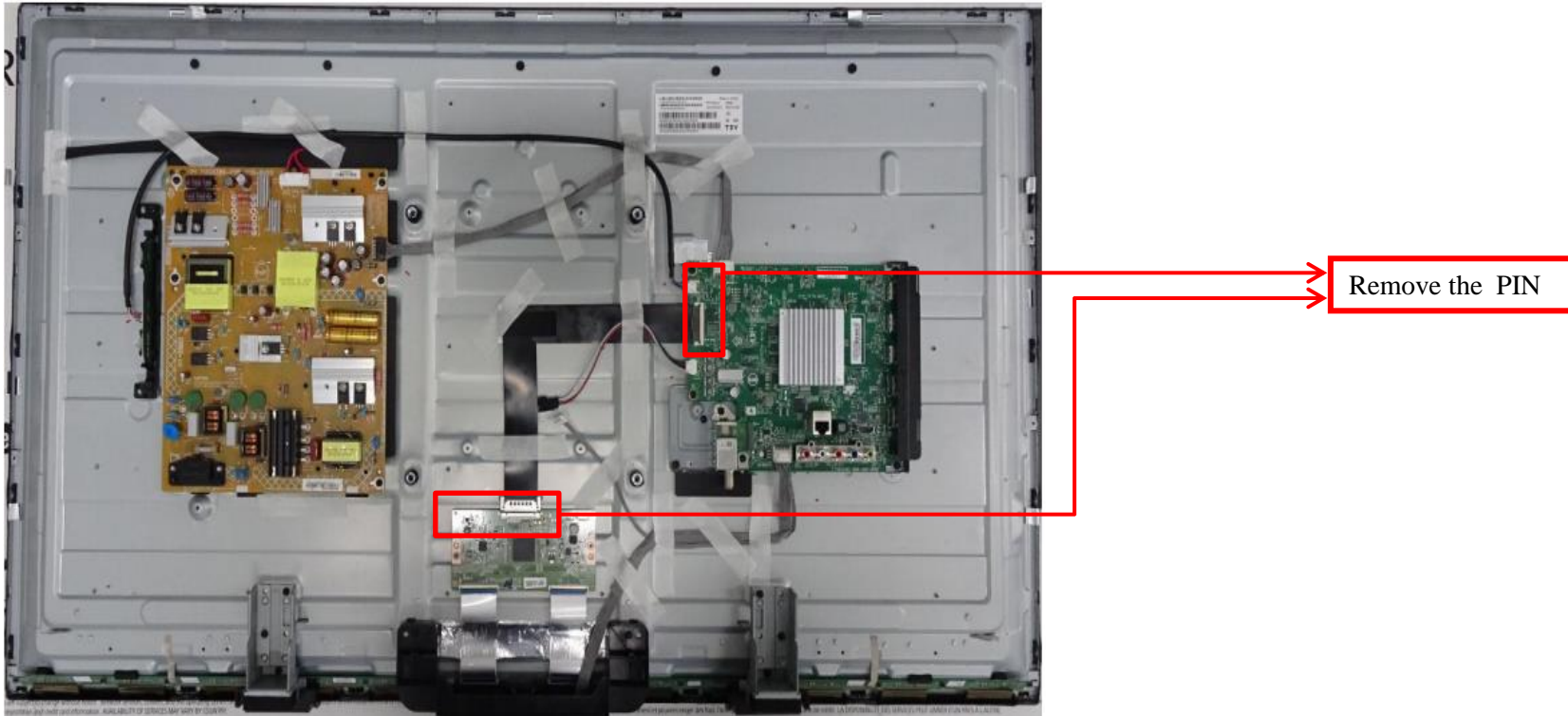
Not locked well on the back side of the power board.

Item	Sony PN	Description	Qty
1	4-737-520-01	SUPPORTER, PWB	2

**Caution:** Please check the support pin after power board replacement.

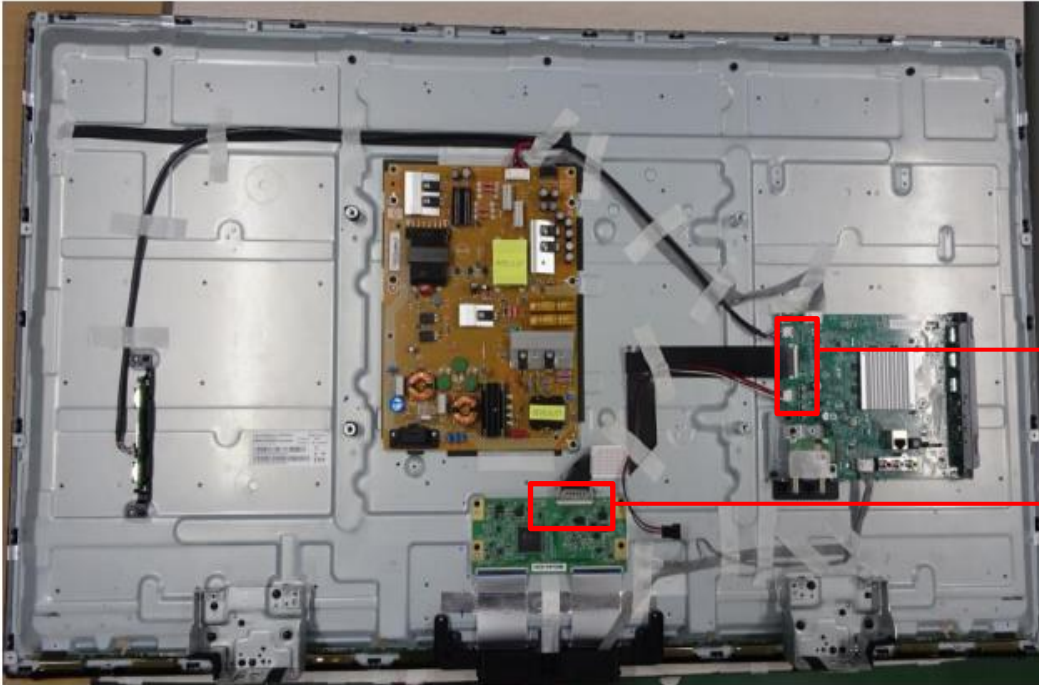
## 1-10. How to disassemble LVDS Cable(KD-43X Series)

### 1.PROCEDURE OF REMOVING LVDS CABLE ON KD-43X725F



## 1-11. How to disassemble LVDS Cable(KD-49X Series)

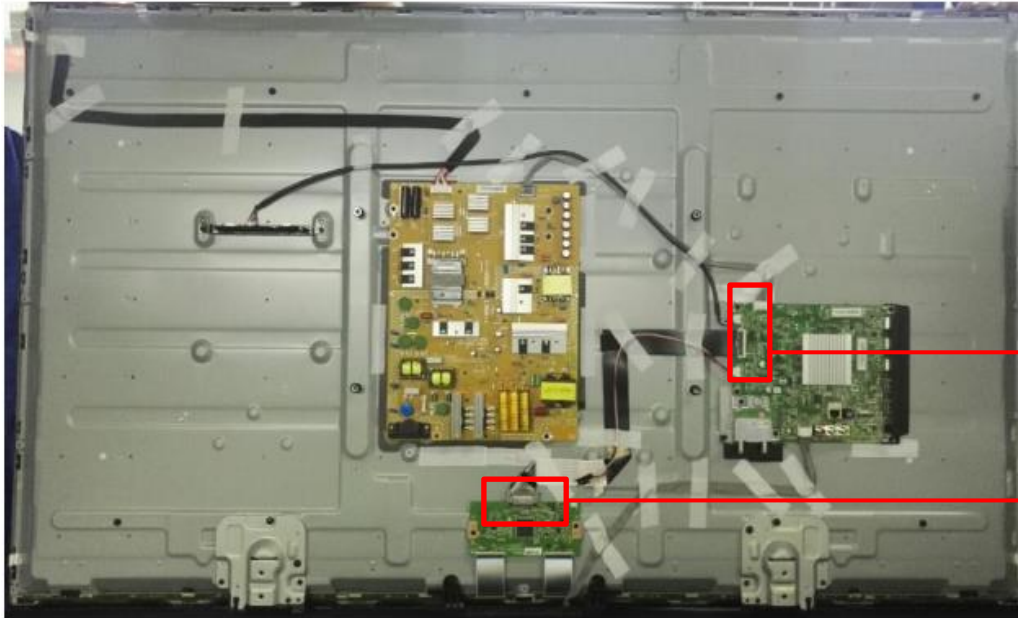
### 1.PROCEDURE OF REMOVING LVDS CABLE ON KD-49X725F



Remove the PIN

## 1-12. How to disassemble LVDS Cable(KD-55X Series)

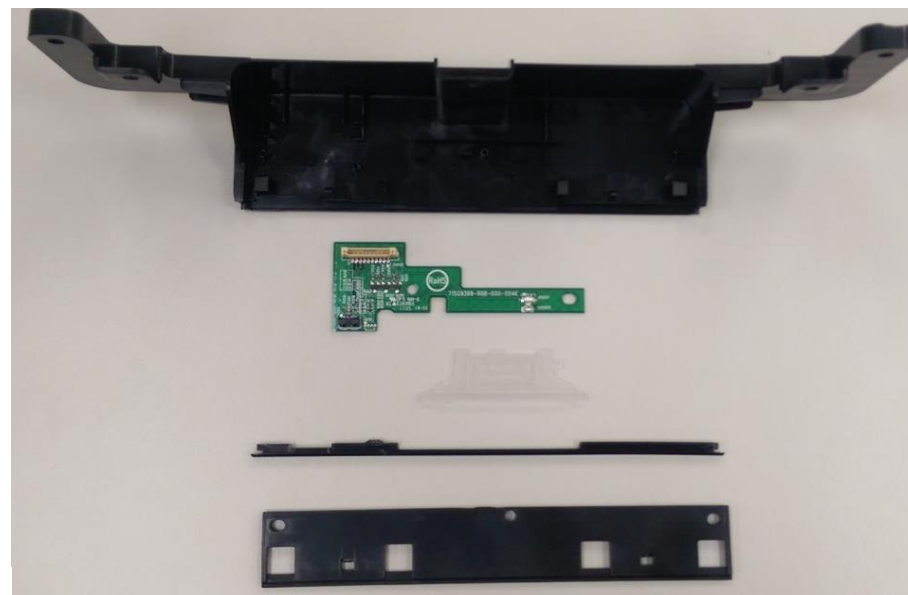
### 1.PROCEDURE OF REMOVING LVDS CABLE ON KD-55X725F



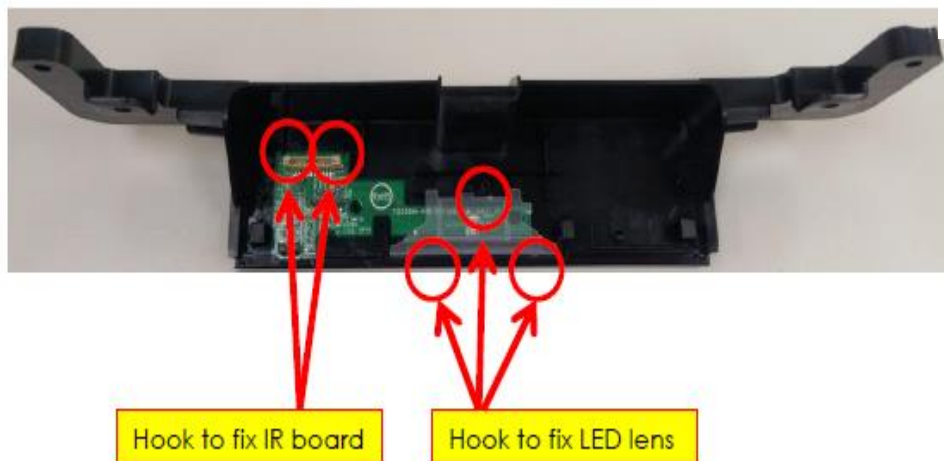
Remove the PIN

## 1-13. How to disassemble H Board

1. Release the hooks to remove the DECO



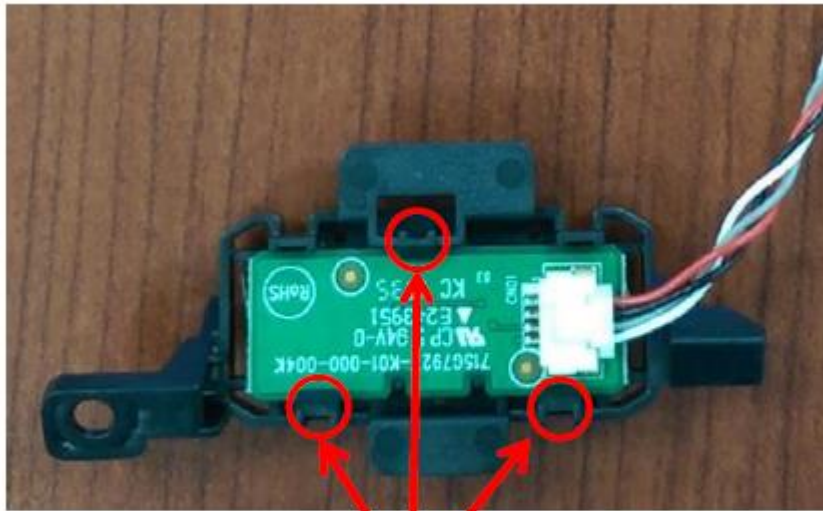
2. Release the hooks to remove the LED and IR\_board.



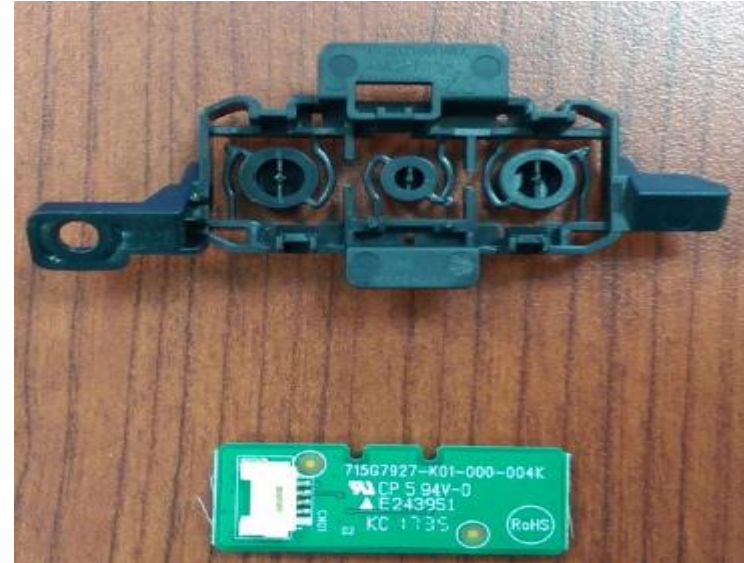
SONY PN	Description	Qty	Remark
4-737-476-01	DECO-COVER	1	For 43 series
4-737-477-01	DECO-COVER	1	For 49 series
4-737-478-01	DECO-COVER	1	For 55 series
1-897-276-11	IR_BOARD	1	
4-737-473-01	LENS	1	
4-737-474-01	DECO	1	
4-737-475-01	DECO_BEZEL	1	

## 1-14. How to disassemble key Board

1. Release 3 hooks to remove the key board



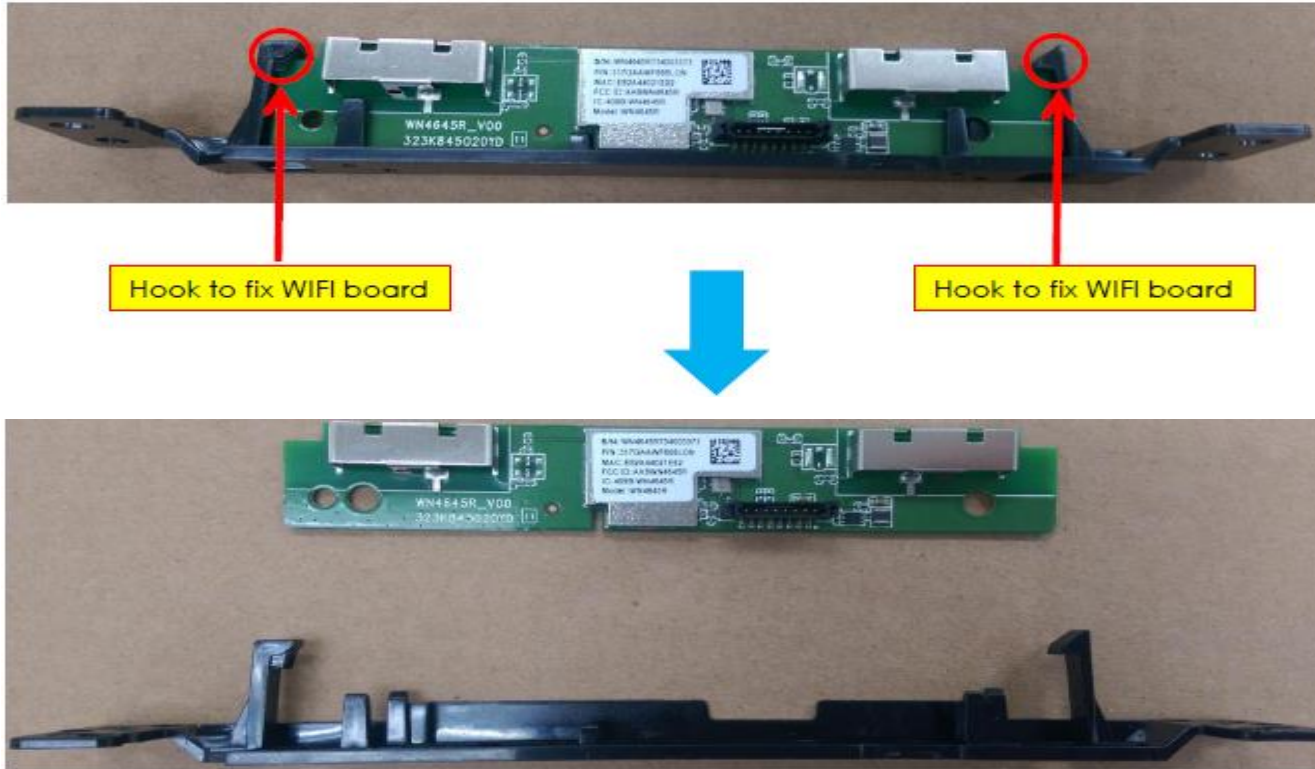
Hook to fix Key board



SONY PN	Description	Qty	Remark
1-798-600-11	KEY BOARD	1	KEY MODULE
	KEY, COVER	1	

## 1-15. How to disassemble WIFI module

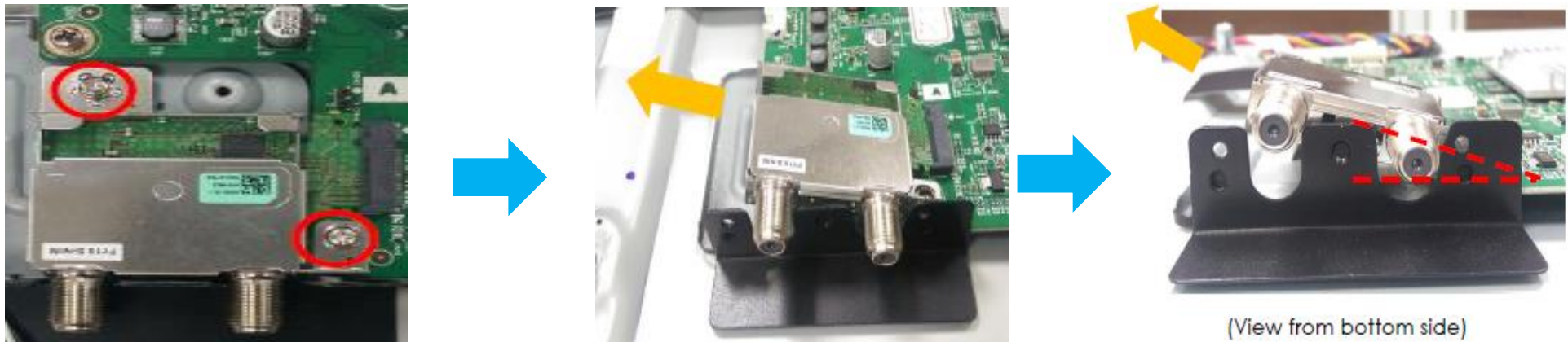
1. Release 2 hooks to remove the WIFI board



Sony PN	Description	Qty	Remark
1-897-294-11	WIFI board	1	
4-592-421-01	HOLDER, WIFI	1	

## 1-16. How to disassemble Tuner

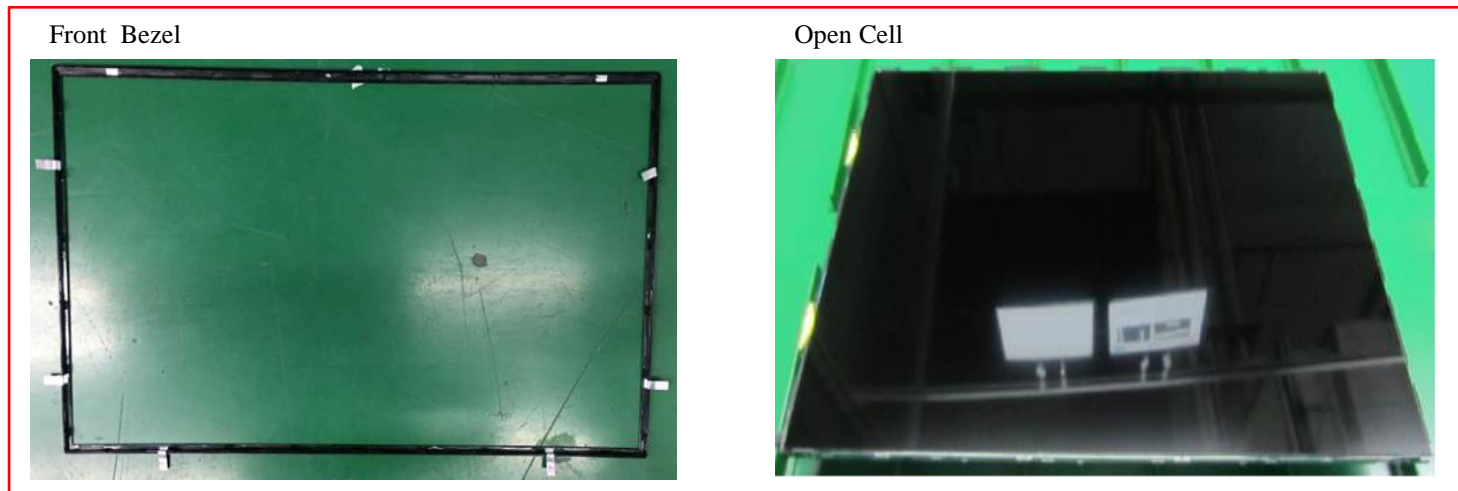
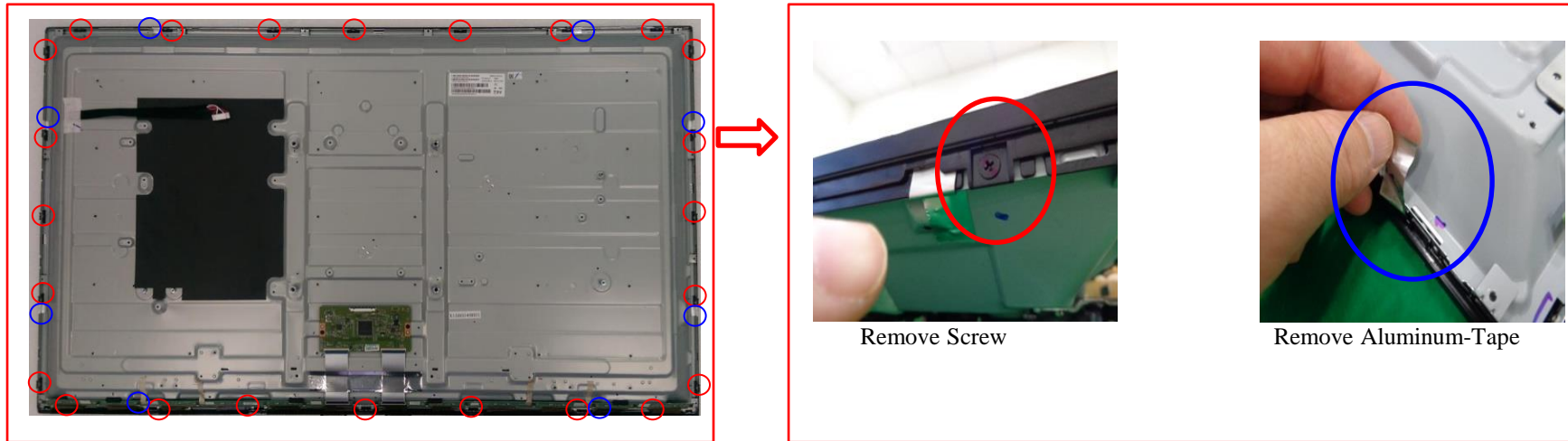
1. Remove 2 screw on tuner
2. Ensure the tuner is lifted ~20° then take it away .



Sony PN	Description	Qty	Remark
1-693-798-11	TUNER NA SUT-RA243ZP	1	FOR UC2/LA1 REGION
1-693-799-11	TUNER Colombia SUT-DB251ZP	1	FOR CO1 REGION
1-693-800-11	TUNER LA SUT-RT243ZP	1	FOR LA8/AR4 REGION

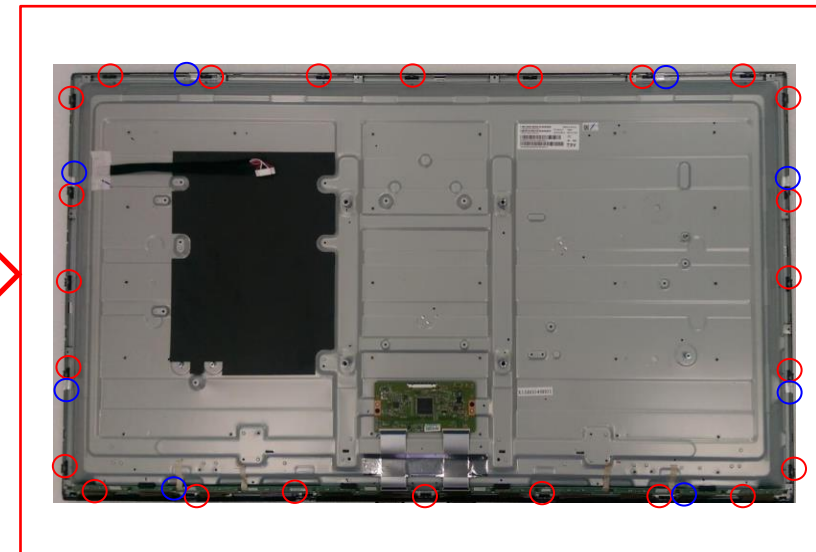
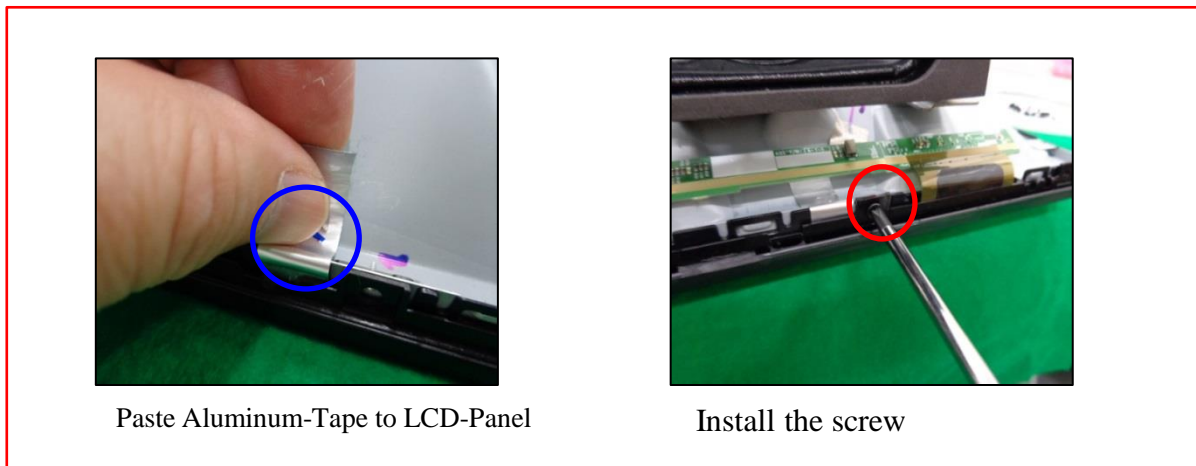
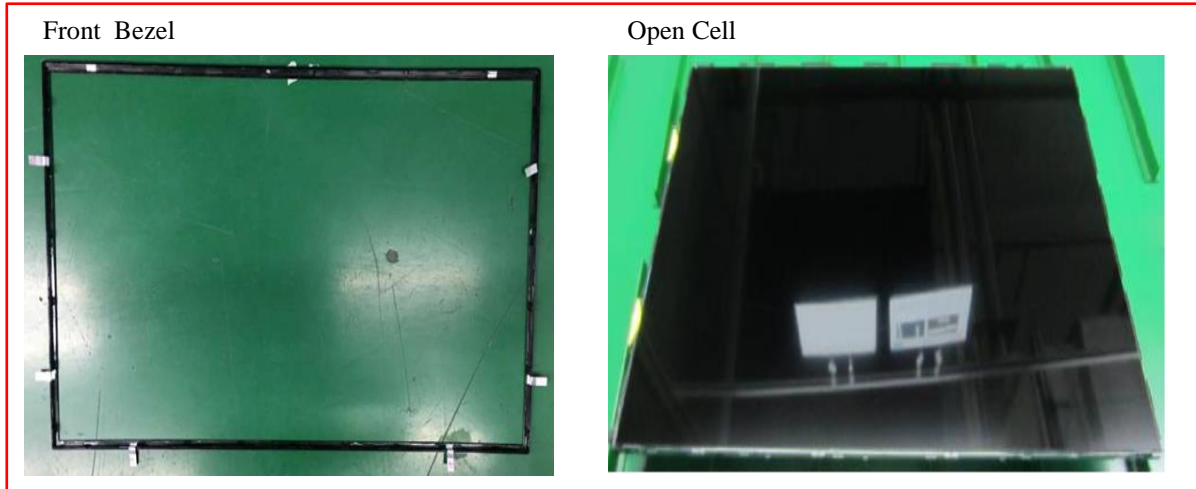
## 1-17. How to disassemble and assemble the Front Bezel

1. Remove all the fixation screws and Aluminum Tape that secure the Front bezel.



## 1-17. How to disassemble and assemble the Front Bezel

2. Fix all screws and Paste Aluminum-Tape to LCD-Panel that secure the Front bezel



## 1-17. How to disassemble and assemble the Front Bezel

### < Caution >

\* Don't open O-Cell of Panel



\*\* Don't lift up O-Cell of Panel



\*\*\* Don't touch COF of the panel



### < Check >

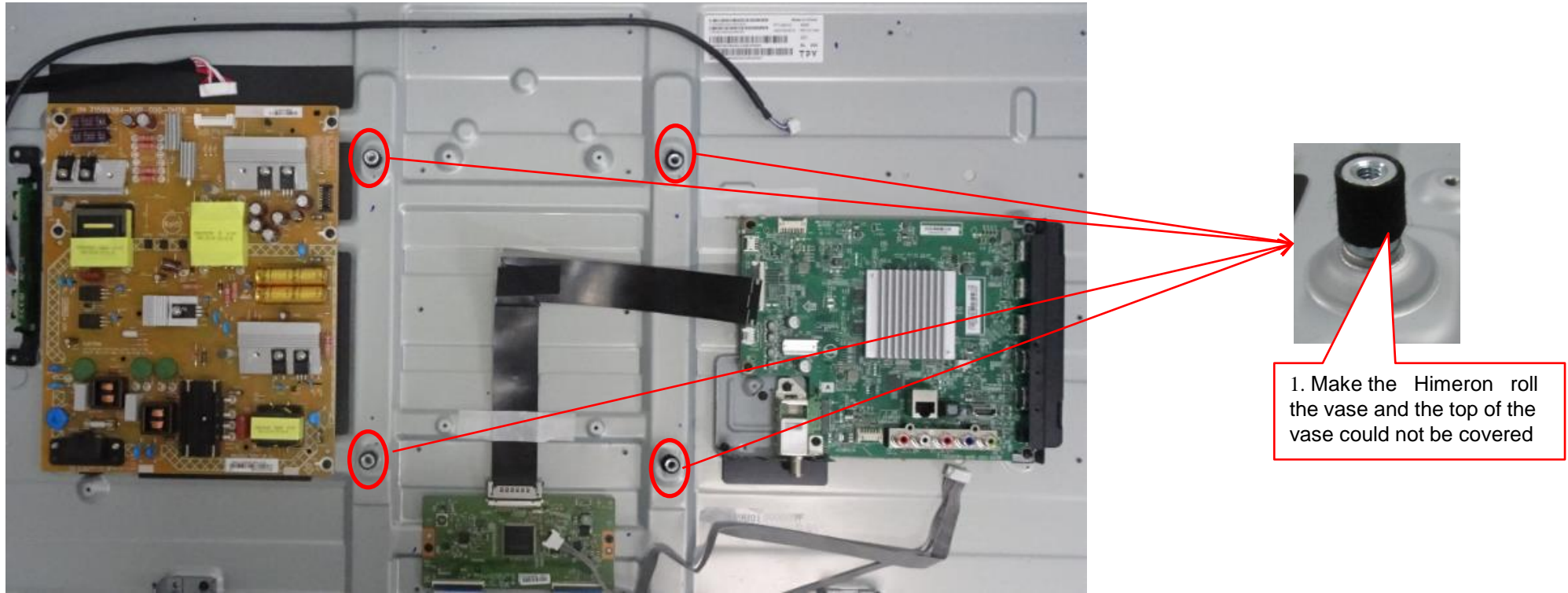
\* Don't run on the guide of panel



**For this portion, Himeron tape will be attached by SONY**

## 1-18. How to assemble the Rattle-Noise Countermeasure(KD-43X SERIES)

1-18-1.Stick HIMERON on the of Hex-screws.

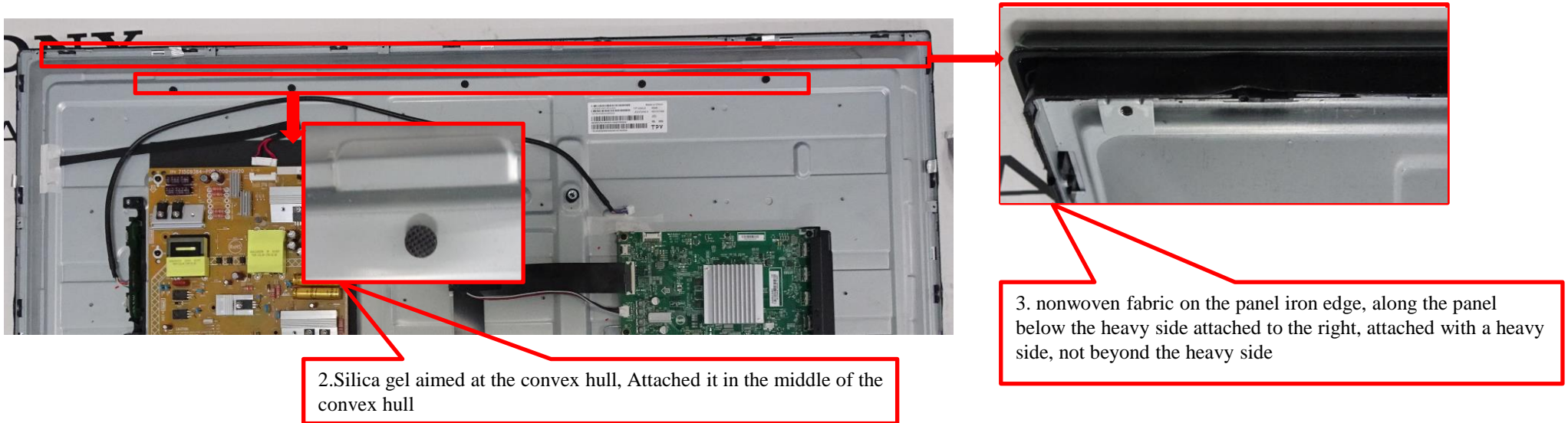


Item	SONY PN	Part Name	Description(L*W )(mm)	Qty	Remark
1	4-695-529-01	HINERON	45mm*10mm*0.25mm	4	BY SONY

**CAUTION: MUST APPLY HIMERON TAPE before assemble Panel if NOT AVAILABLE**

**For this portion, Himeron tape will be attached by SONY**

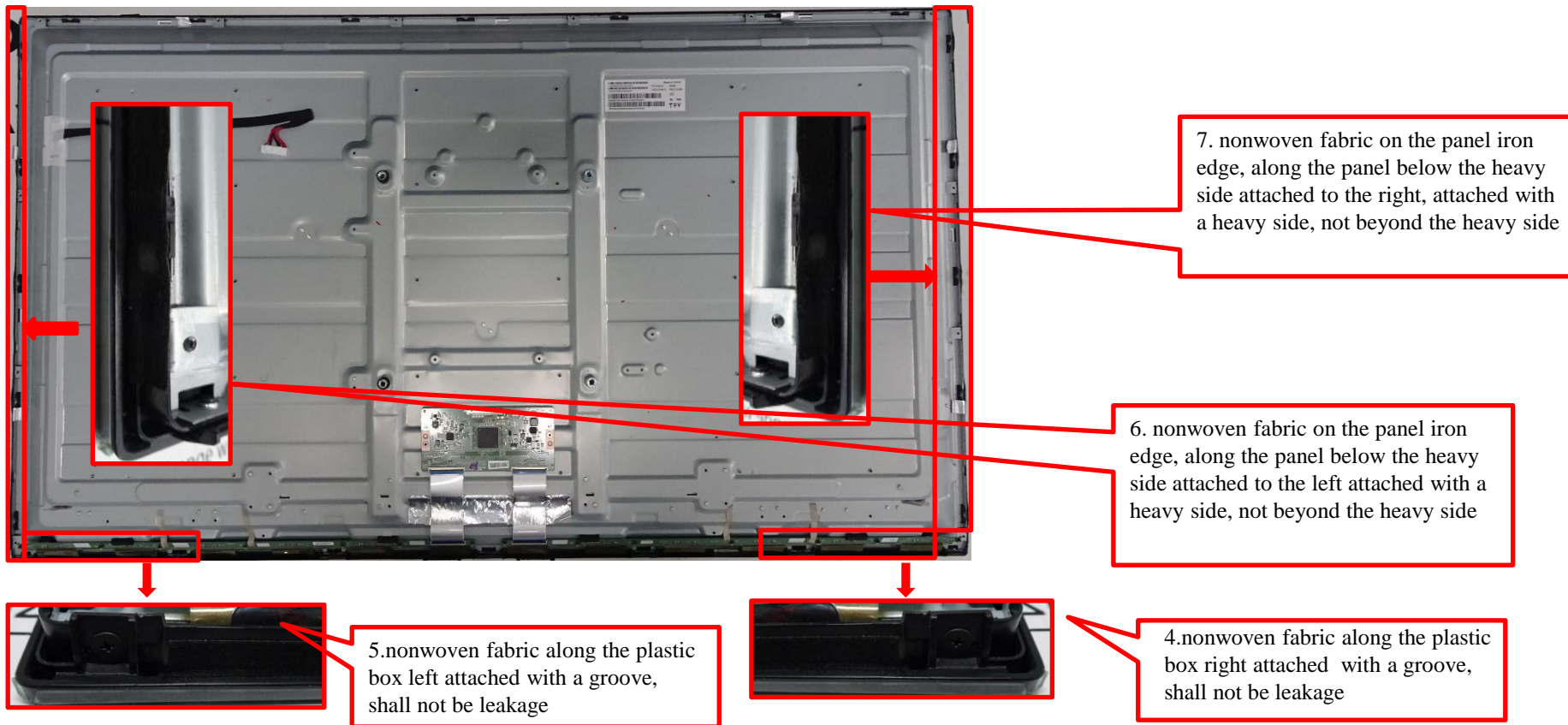
**1-18-2.Stick HIMERON on the Panel.**



Item	Part Name	SONY PN	SPEC(L*W*T)	Qty	Position	REMARK
2	RUBBER	4-737-472-01	D7.8mm*T2.5mm	5	Panel Top	BY SONY
3	HEMIRON	4-739-888-01	938mm*8mm*0.5mm	1	Panel Top Side	

**For this portion, Himeron tape will be attached by SONY**

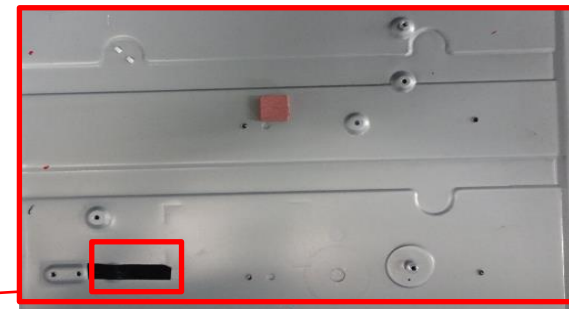
**1-18-2.Stick HIMERON on the Panel.**



Item	Part Name	SONY PN	SPEC(L*W*T)	Qty	Position	REMARK
4/5	HEMIRON	4-739-887-01	120mm*8mm*0.3mm	2	Panel Bottom Side	BY SONY
6/7	HEMIRON	4-739-879-01	535mm*8mm*0.3mm	2	Panel Left & Right Side	

**For this portion, Himeron tape will be attached by SONY**

**1-18-2.Stick HIMERON on the Panel.**

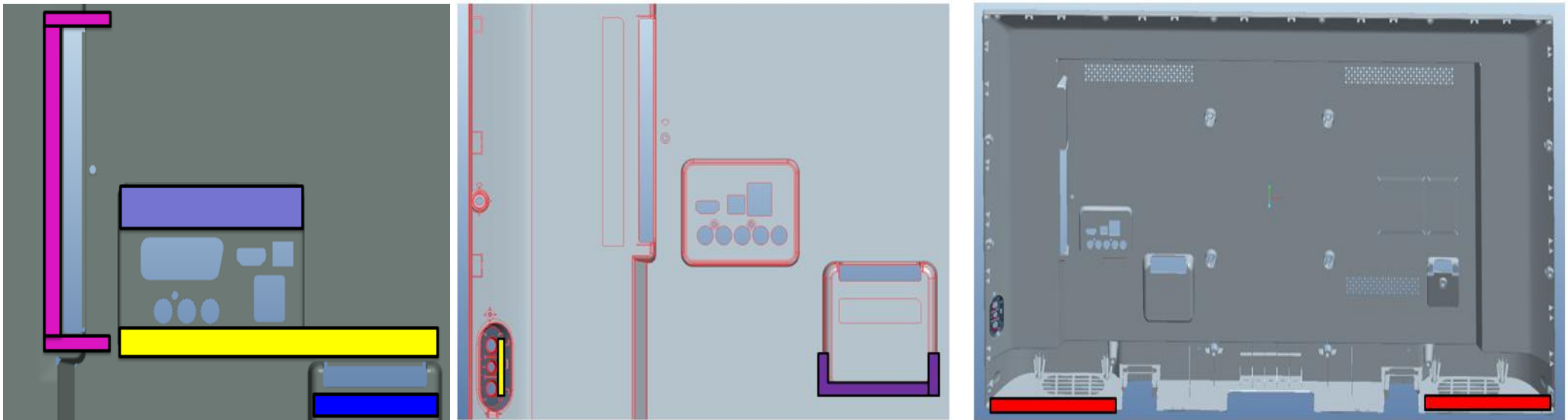


8.Nonwoven fabric on the convex hull, along the edge of the convex hull is attached to the right

Item	Part Name	SONY PN	SPEC(L*W*T)	Qty	Position	REMARK
8	HEMIRON	4-695-529-01	45mm*10mm*0.25mm	1	IO-BTM下方	BY SONY

**For this portion, Himeron tape will be attached by TPV**

**1-18-3.Stick HIMERON on the Rear Cover.**

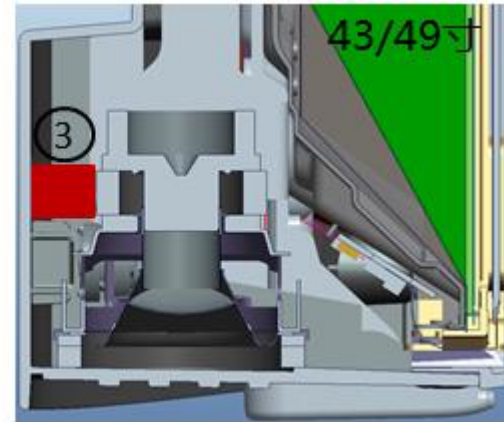
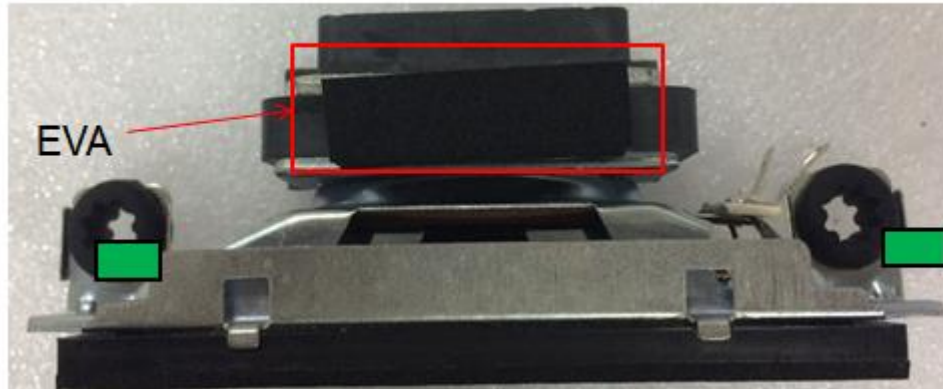


Part Name	SONY PN	SPEC(L*W*T)	Qty	Position
HEMIRON	4-737-479-01	110mm*15mm*0.25mm	1	Rear Cover
HEMIRON		184mm*10mm*0.25mm	1	Rear Cover
HEMIRON		80mm*20mm*0.3mm	1	Rear Cover
EVA		40mm*8mm*1mm	1	Rear Cover
HEMIRON		160mm*20mm*0.3mm	1	Rear Cover
HEMIRON		32mm*4mm*0.25mm	1	Key 边
HEMIRON		220mm*10mm*0.25mm	2	Rear Cover
Rear Cover		REAR_COVER TV43W-18db-sony1- sony1	1	

**CAUTION: MUST APPLY HIMERON TAPE before assemble Panel if NOT AVAILABLE**

**For this portion, Himeron tape will be attached by TPV**

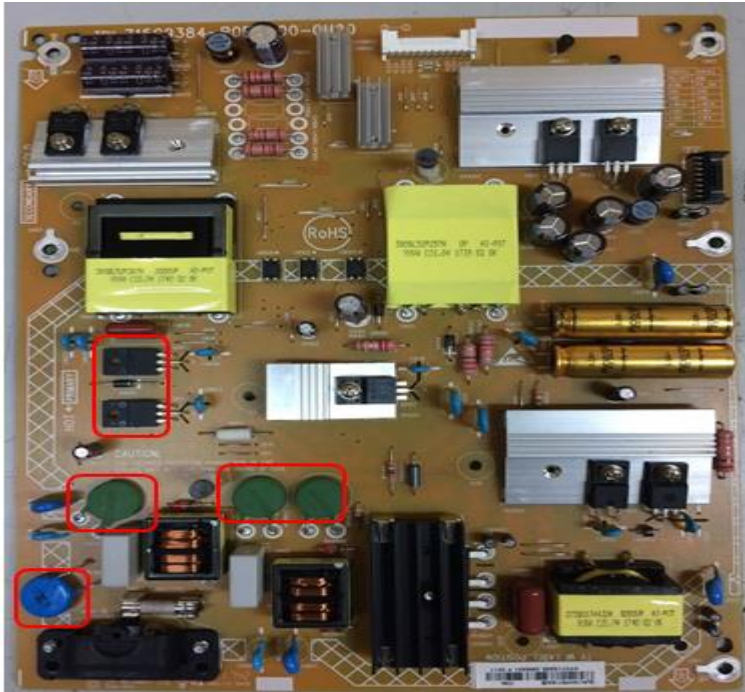
**1-18-4.Stick HIMERON on the SPEAKER.**



Part Name	SONY PN	SPEC(L*W*T)	Qty	Position
 HEMIRON	1-859-300-11	38mm*10mm*14.5mm	1	
 HEMIRON		20mm*12mm*5mm	2	
EVA			1	
SPEAKER		SPEAKER 8 OHM 12W 132x43.6mm NA UNIT	1	

**For this portion, Himeron tape will be attached by TPV**

**1-18-5.Dispensing fixed strap parts processing.**

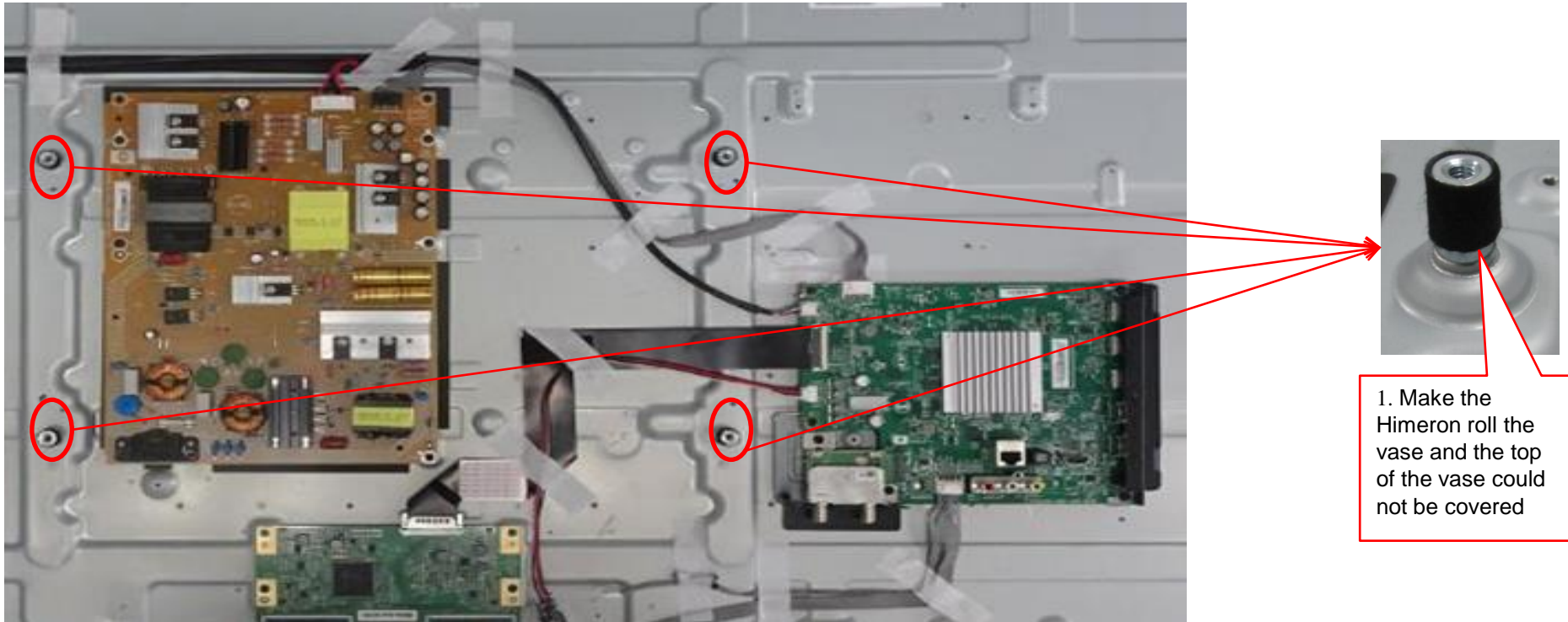


Part Name	SONY PN	DESCRIPTION	Qty	Position
VARISTOR	1-493-499-11	VARISTOR 620V 10%	1	
NTCR		NTCR 1R 20% 3.6W SCK15018MTY503	3	
MOSFET		MOSFET TK10A50D 10A 500V TO-220	2	
POWER BOARD		ADAPTER BOARD NA	1	

**For this portion, Himeron tape will be attached by SONY**

## 1-19. How to assemble the Rattle-Noise Countermeasure(KD-49X SERIES)

1-19-1.Stick HIMERON on the of Hex-screws.

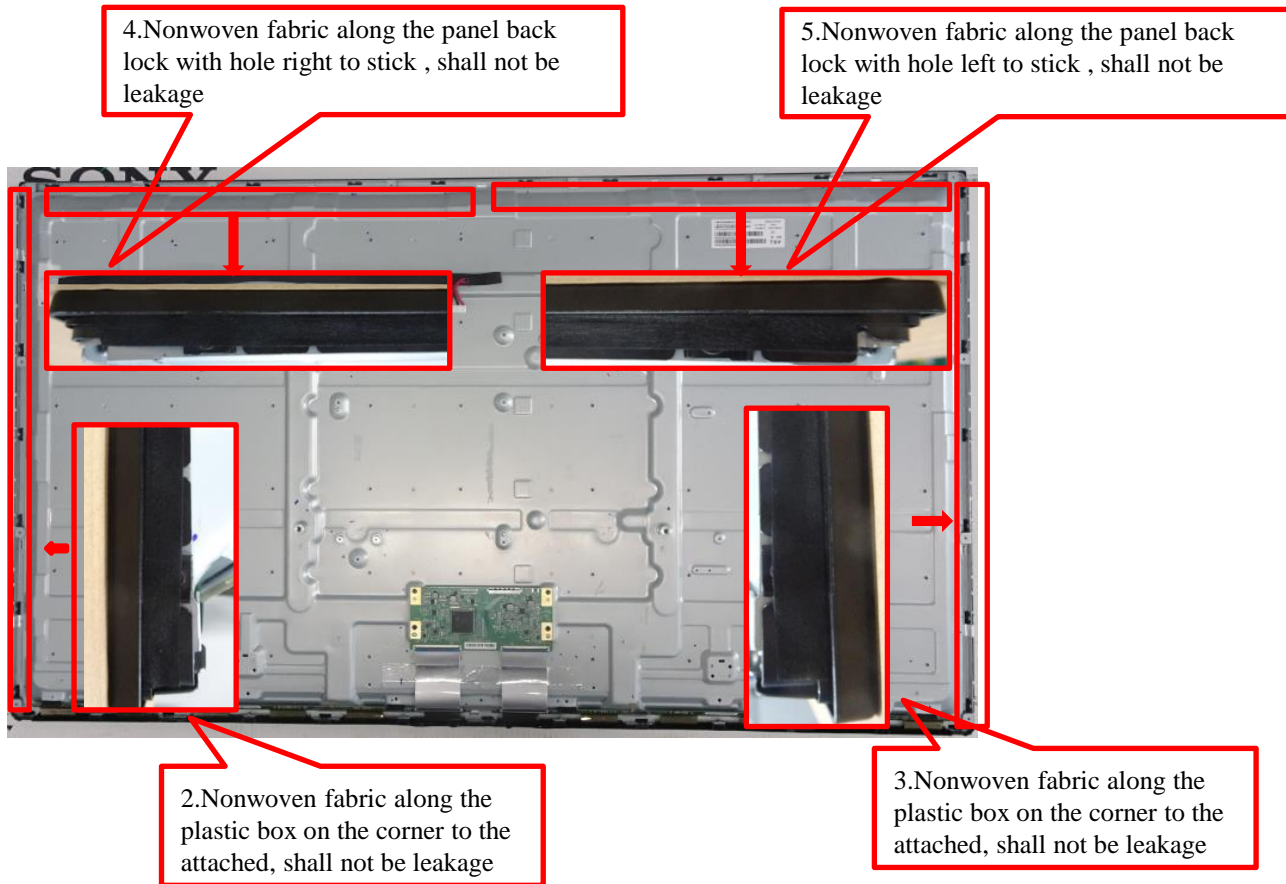


Item	Part number	Description(L*W )(mm)	Qty	Remark	REAMRK
1	4-695-529-01	45mm*10mm*0.25mm	4	Cushion on Hex-screws	BY SONY

**CAUTION: MUST APPLY HIMERON TAPE before assemble Panel if NOT AVAILABLE**

**For this portion, Himeron tape will be attached by SONY**

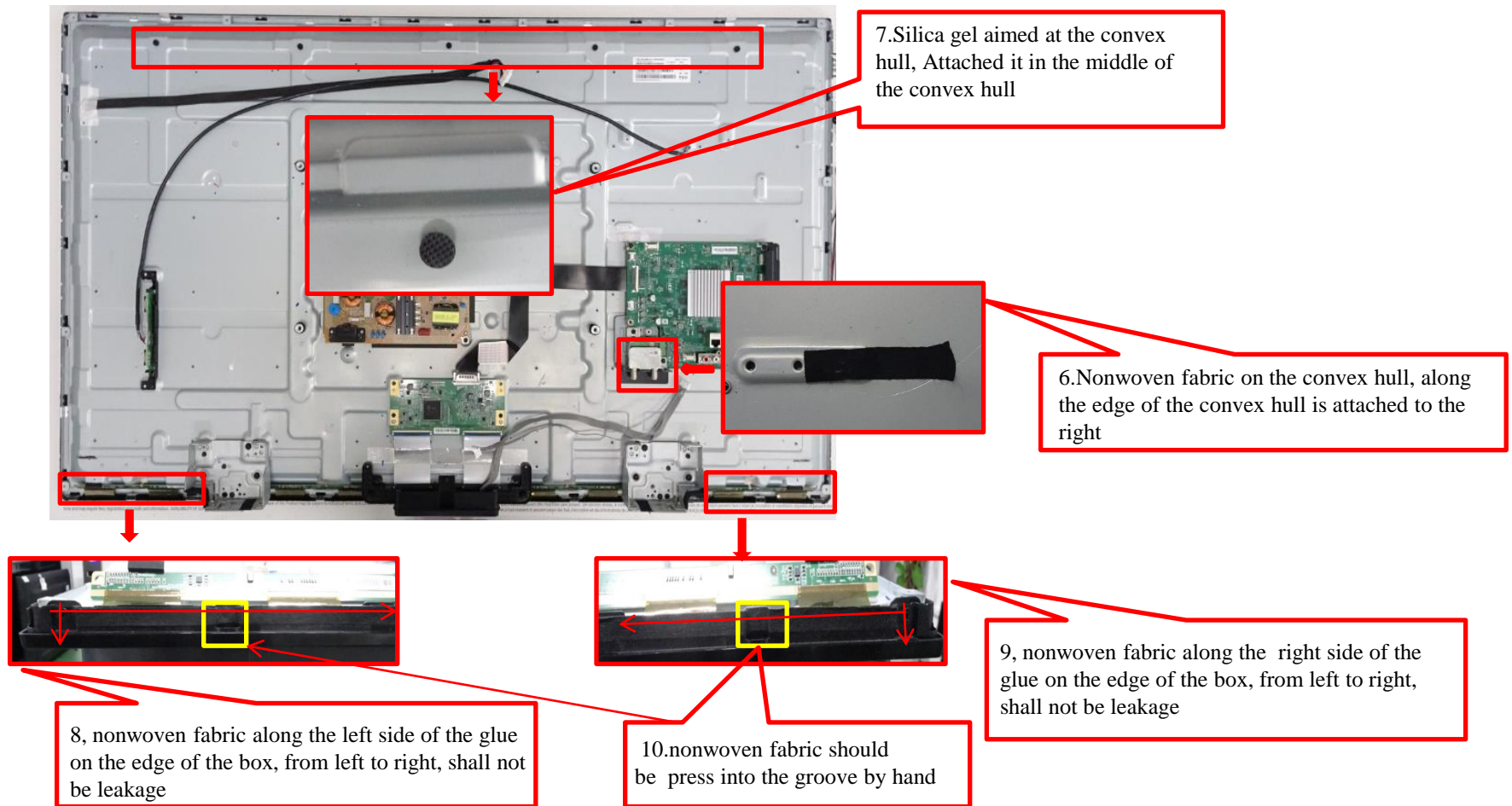
**1-19-2.Stick HIMERON on the Panel.**



Item	Part Name	SONY PN	SPEC(L*W*T)	Qty	Position	REMARK
2/3	HEMIRON	4-739-878-01	620mm*8mm*0.25mm	2	Panel Left & Right Side	BY SONY
4/5	HEMIRON	4-739-879-01	535mm*8mm*0.3mm	2	Panel Top Side	

**For this portion, Himeron tape will be attached by SONY**

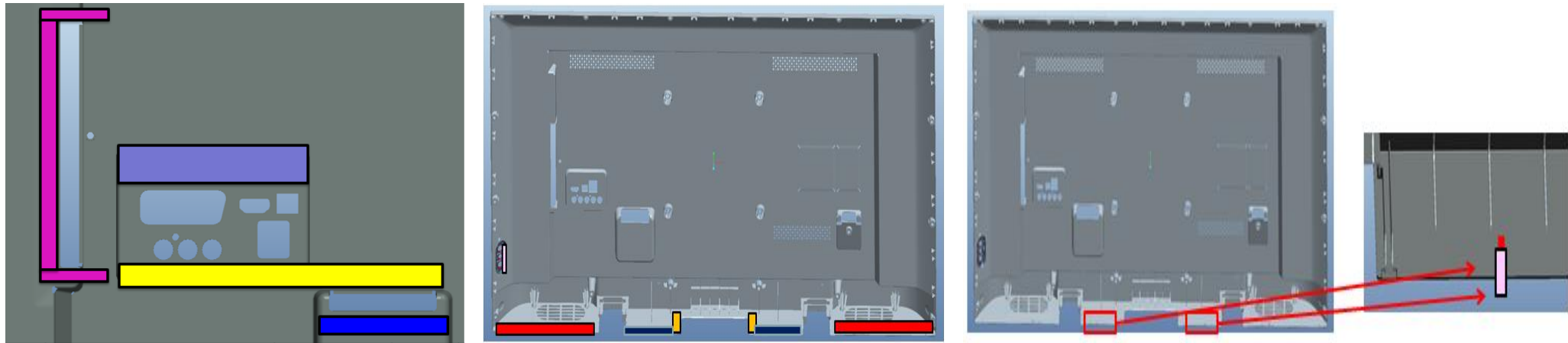
**1-19-2.Stick HIMERON on the Panel.**



Item	Part Name	SONY PN	SPEC(L*W*T)	Qty	Position	REMARK
6	HEMIRON	4-739-877-01	45mm*10mm*0.3mm	1	UNDER IO-BTM	BY SONY
7	RUBBER	4-737-472-01	D7.8mm*T2.5mmmm	5	PANEL TOP	
8/9	HEMIRON	4-739-880-01	250mm*8mm*0.3mm	2	PANEL Bottom	

**For this portion, Himeron tape will be attached by TPV**

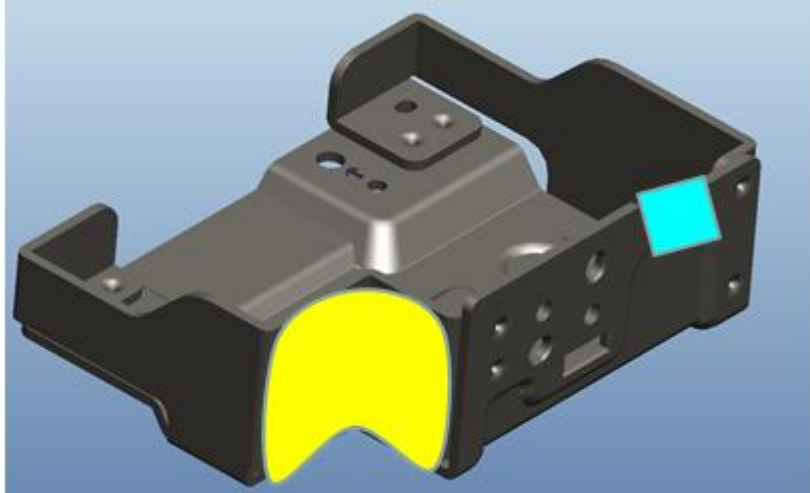
**1-19-3.Stick HIMERON on the Rear Cover.**







Part Name	SONY PN	SPEC(L*W*T)	Qty	Position
 HEMIRON	4-737-480-01	110mm*15mm*0.25mm	1	Rear Cover
 HEMIRON		184mm*10mm*0.25mm	1	Rear Cover
 HEMIRON		80mm*20mm*0.3mm	1	Rear Cover
 EVA		40mm*8mm*1mm	2	Rear Cover
 HEMIRON		220mm*10mm*0.25mm	2	Rear Cover
 HEMIRON		45mm*10mm*0.25mm	2	Rear Cover
 HEMIRON		200mm*8mm*0.3mm	2	Rear Cover
 HEMIRON		32mm*4mm*0.25mm	1	Key 边
REAR COVER			REAR_COVER TV49W-18db-sony1- sony1	1

**For this portion, Himeron tape will be attached by TPV**

**1-19-4.Stick HIMERON on the STAND BKT.**

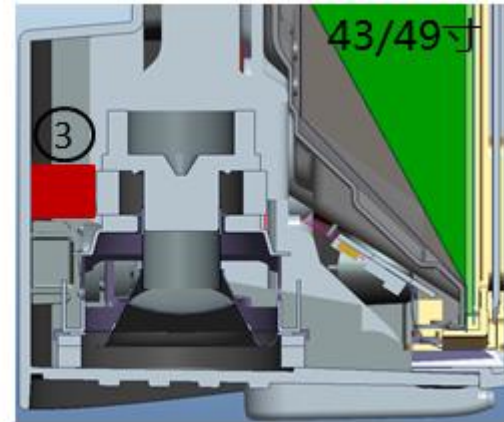
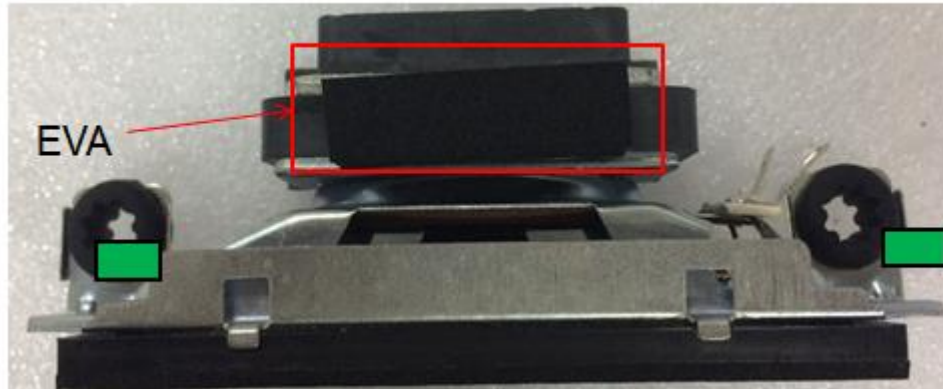


Part Name	SONY PN	SPEC(L*W*T)	Qty	Position	Remark
 HEMIRON	4-737-485-01	45mm*45mm*0.3mm	1	Stand Bkt	
 HEMIRON		40mm*15mm*0.25mm	1	Stand Bkt	
BKT STAND		BKT_STAND_R	1		

Part Name	SONY PN	SPEC(L*W*T)	Qty	Position	Remark
 HEMIRON	4-737-488-01	45mm*45mm*0.3mm	1	Stand Bkt	
 HEMIRON		40mm*15mm*0.25mm	1	Stand Bkt	
BKT STAND		BKT_STAND_L	1		

**For this portion, Himeron tape will be attached by TPV**

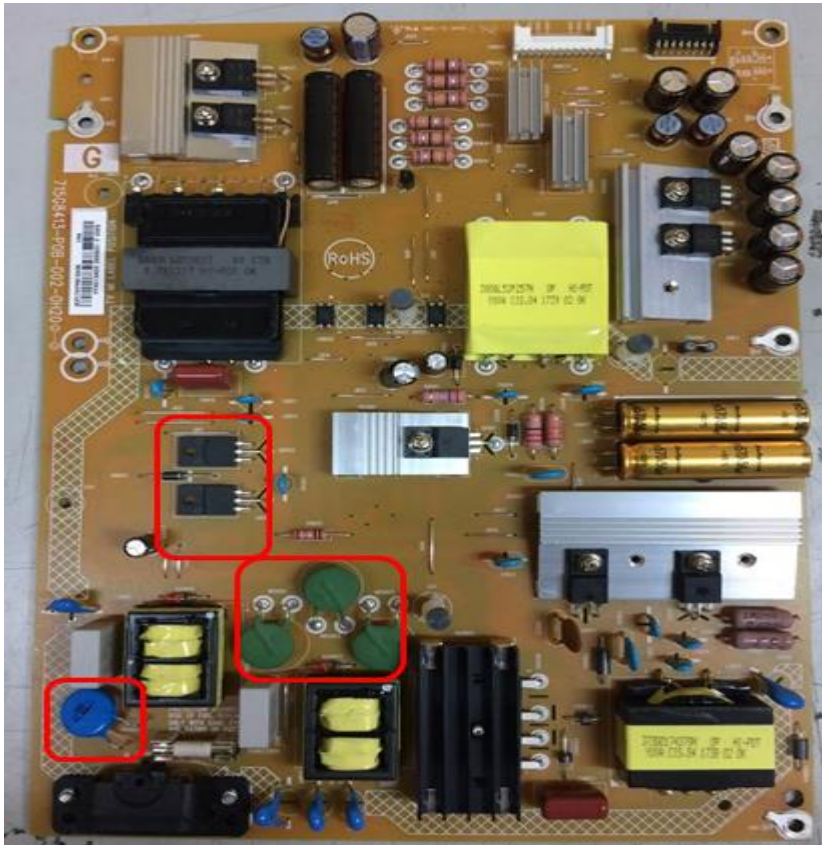
**1-19-5.Stick HIMERON on the SPEAKER.**



Part Name	SONY PN	SPEC(L*W*T)	Qty	Position
 HEMIRON	1-859-300-11	38mm*10mm*14.5mm	1	
 HEMIRON		20mm*12mm*5mm	2	
EVA			1	
SPEAKER		SPEAKER 8 OHM 12W 132x43.6mm NA UNIT	1	

**For this portion, Himeron tape will be attached by TPV**

**1-19-6 .Dispensing fixed strap parts processing.**

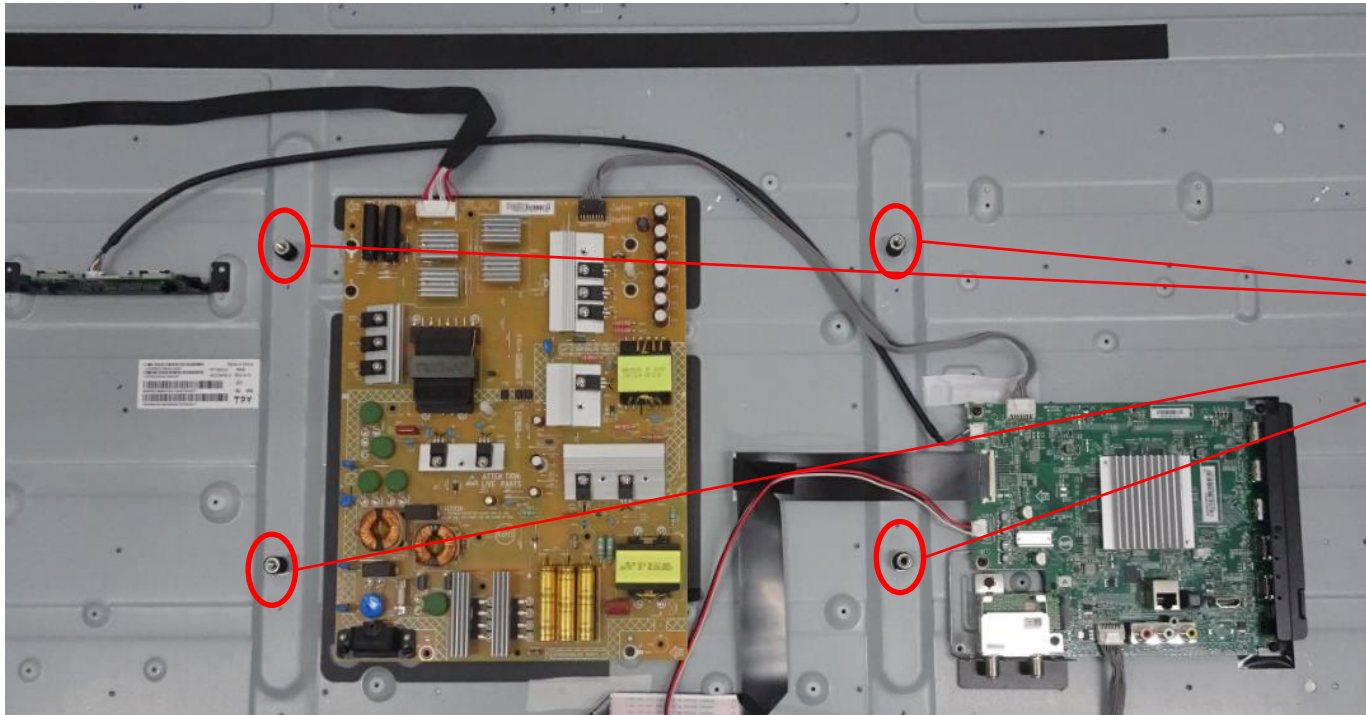


Part Name	SONY PN	DESCRIPTION	Qty	Position
VARISTOR	1-493-498-11	VARISTOR 620V 10%	1	
NTCR		NTCR 1R 20% 3.6W SCK15018MTY503	3	
MOSFET		MOSFET TK10A50D 10A 500V TO-220	2	
POWER BOARD		ADAPTER BOARD NA	1	

**For this portion, Himeron tape will be attached by SONY**

## 1-20. How to assemble the Rattle-Noise Countermeasure(KD-55X SERIES)

1-20-1.Stick HIMERON on the of Hex-screws.



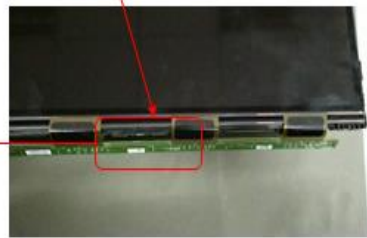
1. Make the Himeron roll the vase and the top of the vase could not be covered

Item	SONY PN	Description(L*W )(mm)	Qty	Part Name	REMARK
1	4-695-529-01	45mm*10mm*0.25mm	4	Cushion on Hex-screws	BY SONY

**CAUTION: MUST APPLY HIMERON TAPE before assemble Panel if NOT AVAILABLE**

**For this portion, Himeron tape will be attached by TPV**

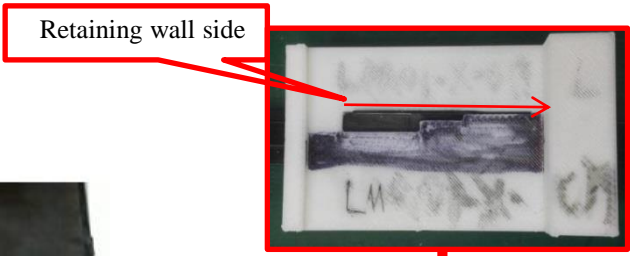
**1-20-2.Stick HIMERON on the Panel.**



Left for the second retaining wall

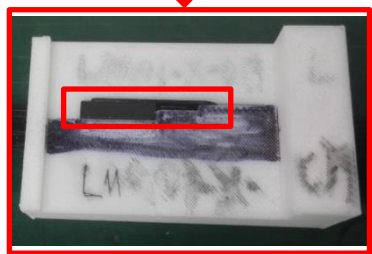
The lateral CELL load CELL surface in the mid frame

Right for the second retaining wall



Retaining wall side

Fixture set into the second retaining wall, at the bottom of the fixture against the mid frame surface is OK



Rubber plastic face down, on the attached to the fixture gap position, need to press to the end, make the rubber with plastic frame



When remove fixtures ,need to press the rubber, avoid rubber be put out, after take the fixture , press the rubber again , and check with plastic frame attached closely

- Note:
- 1.Rubber need to use fixture attached
  2. Rubber shall not skewed attached, posted on the convex.

Part Name	SONY PN	SPEC(L*W*T)	QTY	Position	Remark
RUBBER	A-2207-615-A	20mm*4.1mm*3.04 mm	2	OPPEN CELL	BY TPV
Panel		PANEL TPT550U2-EQYSKM.G S1J XM TPV	1		

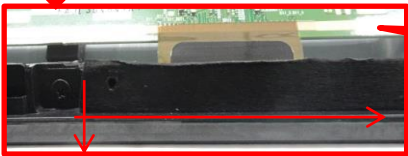
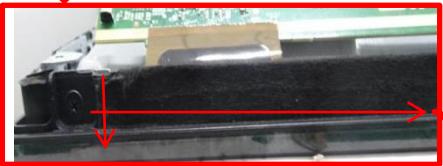
**For this portion, Himeron tape will be attached by SONY**

**1-20-2.Stick HIMERON on the Panel.**



2.Nonwoven fabric along side the lock with folding ear started with, to cover bezel lips, but shall not be leakage

3.Nonwoven fabric along the panel at the bottom of the second from right to left to right attached with a screw groove, shall not be leakage

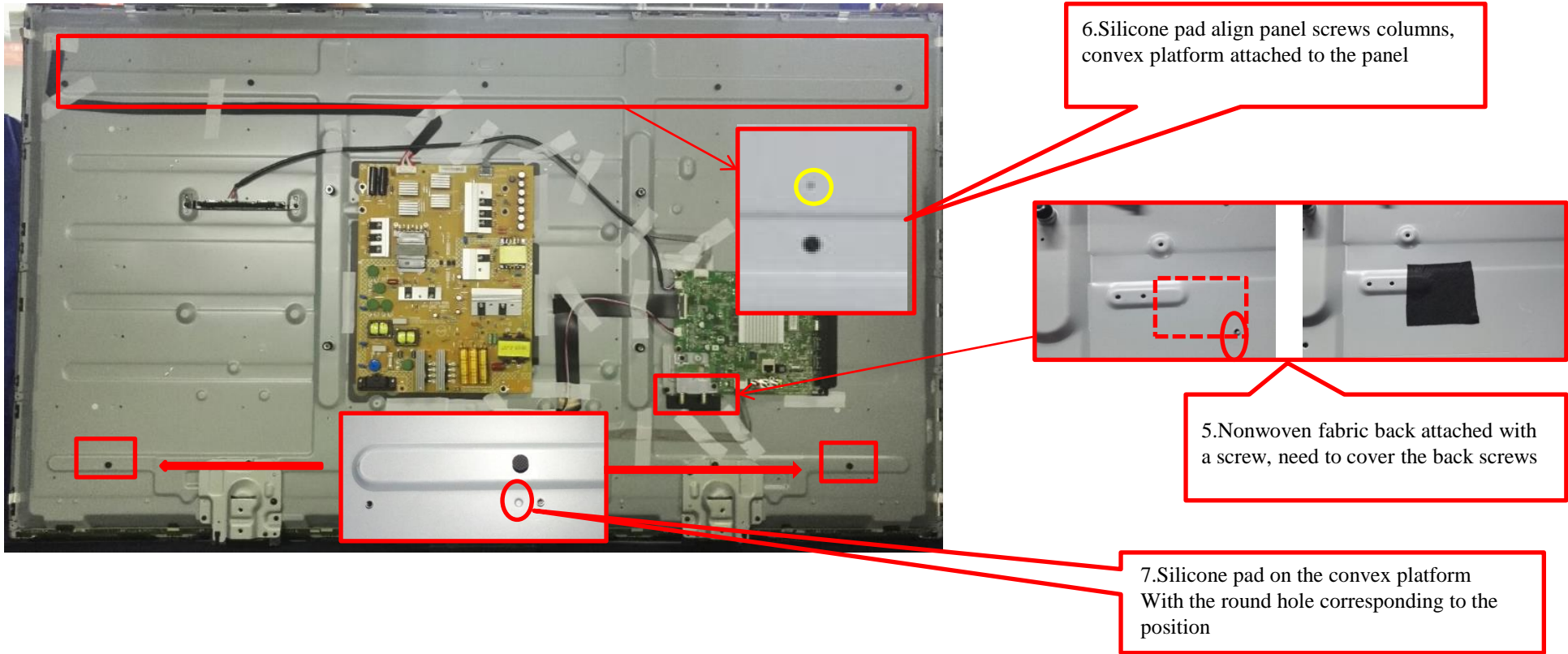


4.Nonwoven fabric along the bottom of the panel from left to right in the first screw groove attached with a right , shall not be leakage

Item	Part Name	SONY PN	SPEC(L*W*T)	QTY	Position	Remark
2	HEMIRON	4-739-878-01	620mm*8mm*0.25mm	2	Panel Left & Right Side	BY SONY
3/4	HEMIRON	4-739-885-01	140mm*7mm*0.25mm	2	PANEL Bottom	

**For this portion, Himeron tape will be attached by SONY**

**1-20-2.Stick HIMERON on the Panel.**



Item	Part Name	SONY PN	SPEC(L*W*T)	QTY	Position	Remark
5	HEMIRON	4-739-884-01	40mm*45mm*0.3mm	1	Under IO BTM	BY SONY
6/7	RUBBER PAD	4-737-472-01	D7.8mm*T2.5mmmm	7	In the top of the Panel	

**For this portion, Himeron tape will be attached by TPV**

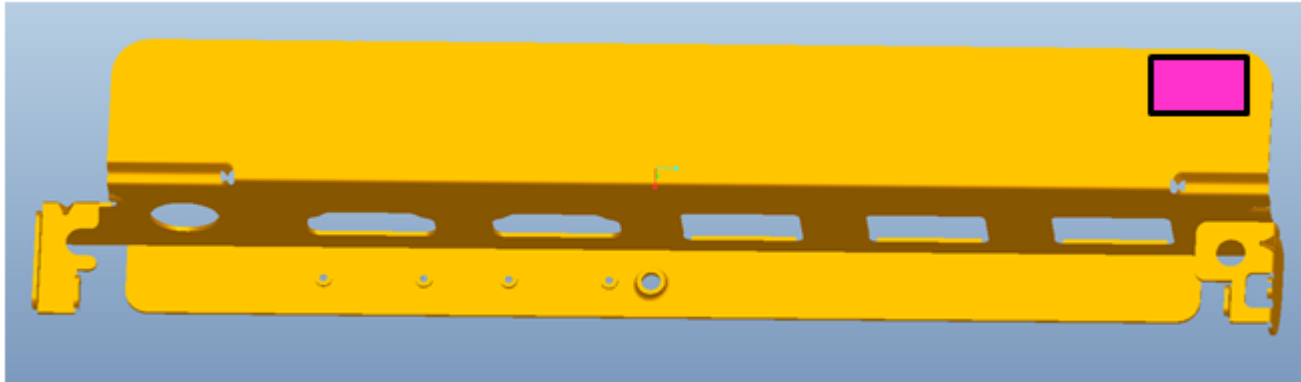
**1-20-3.Stick HIMERON on the Rear Cover.**



Part Name	SONY PN	SPEC(L*W*T)	QTY	Position
 HEMIRON	4-737-481-01	90mm*12mm*0.3 mm	1	Down I/O area of RC
 EVA		40mm*8mm*1mm	2	Side I/O area of RC
 HEMIRON		70mm*10mm*0.25mm	1	Rear I/O area of RC
 HEMIRON		200mm*10mm*0.5mm	1	Rear I/O area of RC
 HEMIRON		200mm*8mm*0.3mm	2	Bottom core side of RC
 HEMIRON		200mm*8mm*0.3mm	2	Bottom core side of RC
 HEMIRON		184mm*10mm*0.25mm	2	Bottom core side of RC
 HEMIRON		32mm*4mm*0.25mm	1	Key of R/C
REAR COVER		REAR_COVER TV55w-14d-sony5-sony5	1	

**For this portion, Himeron tape will be attached by TPV**

**1-20-3.Stick HIMERON on the SIDE IO BKT**



Part Name	SONY PN	SPEC(L*W*T)	QTY	Position	Remark
EVA	4-737-482-01	10mm*10mm*2mm	1	Side IO BKT	
BKT SIDE IO		BKT SIDE IO	1		

**For this portion, Himeron tape will be attached by TPV**

**1-20-4.Stick HIMERON on the WIFI BOARD**



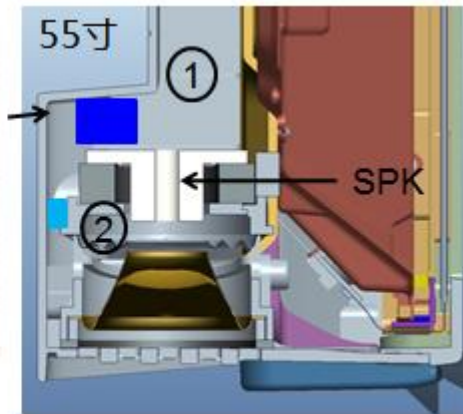
Part Name	SONY PN	SPEC(L*W*T)	QTY	Position	Remark
EVA WASHER	1-897-294-11	120mm*8mm*0.3mm	1	Wifi board	
WIFI BOARD		WIFI USB IEEE 802.11 b/g/n WN4645R	1		

**For this portion, Himeron tape will be attached by TPV**

**1-20-5.Stick HIMERON on the SPEAKER.**



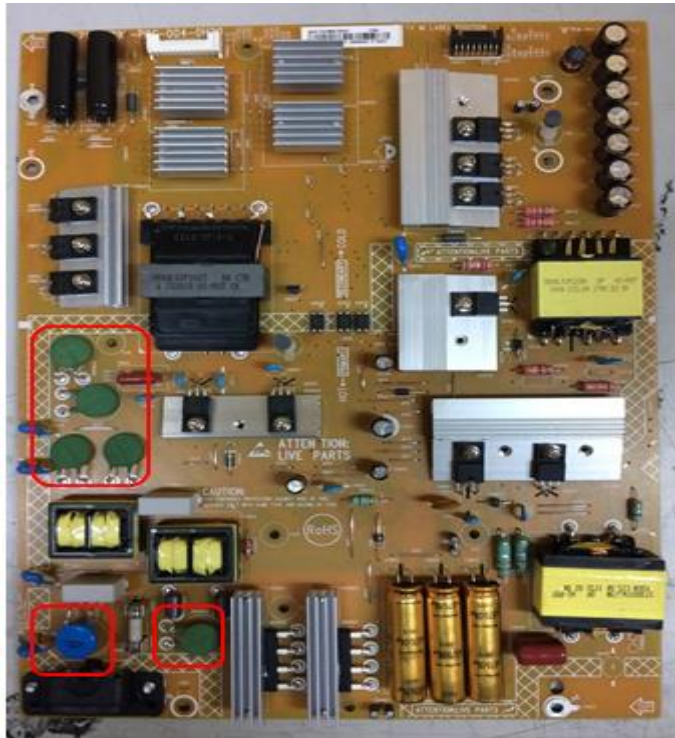
**SPEAKER STICK EVA**



Part Name	SONY PN	SPEC(L*W*T)	Qty	Position
 HEMIRON	1-859-295-11	38mm*10mm*13mm	1	
 HEMIRON		32mm*7mm*8mm	2	
EVA			2	
SPEAKER		SPEAKER 8 OHM 12W 132x43.6mm NA UNIT	1	

**For this portion, Himeron tape will be attached by TPV**

**1-20-6.Dispensing fixed strap parts processing.**



Part Name	SONY PN	DESCRIPTION	Qty	Position
VARISTOR	1-493-497-11	VARISTOR 620V 10%	1	
NTCR		NTCR 1R 20% 3.6W SCK15018MTY503	5	
POWER BOARD		ADAPTER BOARD NA	1	

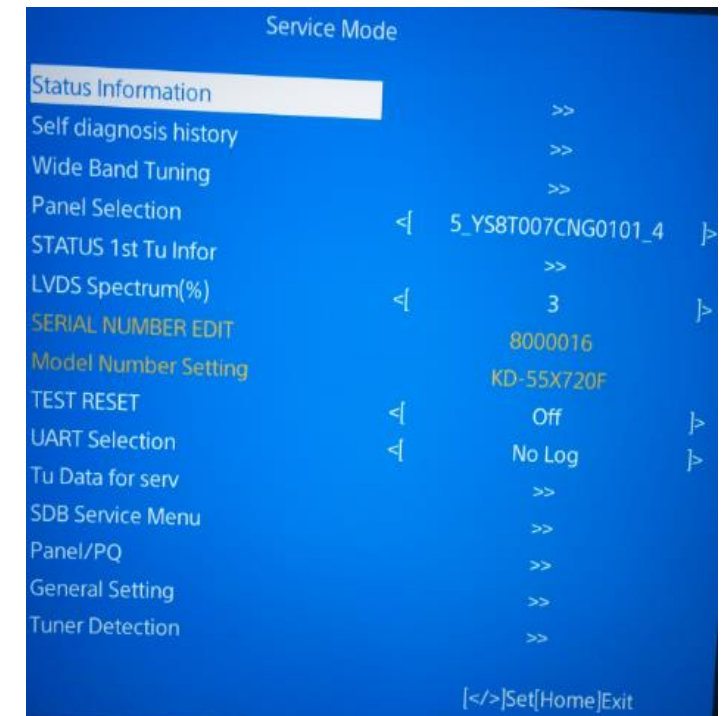
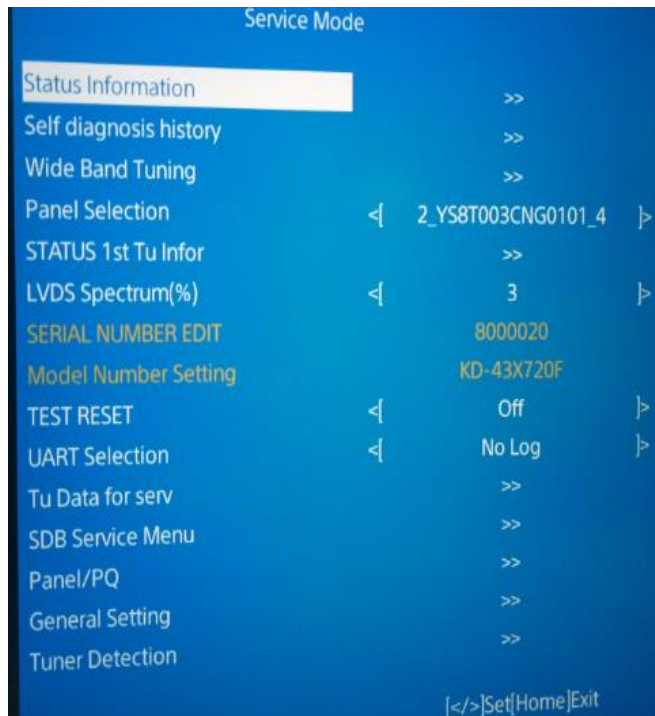
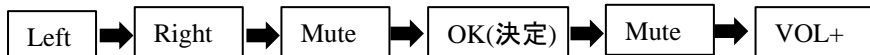
# SEC 2. ADJUSTMENT

## 1. HOW TO ENTERING SERVICE MODE(KD-43/49/55X720F)

power on mode

- Turn on the main power switch to place this set in Power on mode.
- Press the buttons on the remote commander as follows, and entering service mode.

service mode display



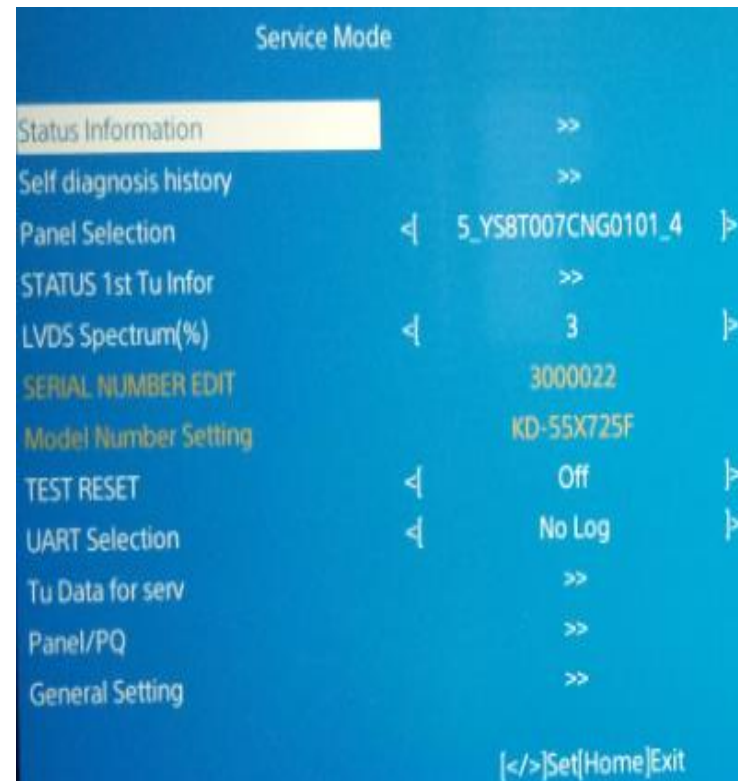
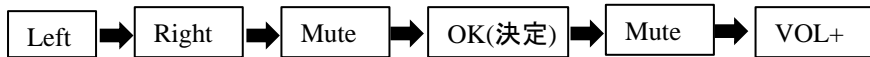
# SEC 2. ADJUSTMENT

## 2.HOW TO ENTERING SERVICE MODE(KD-49/55X725F)

power on mode

- a . Turn on the main power switch to place this set in Power on mode.
- b . Press the buttons on the remote commander as follows, and entering service mode.

service mode display



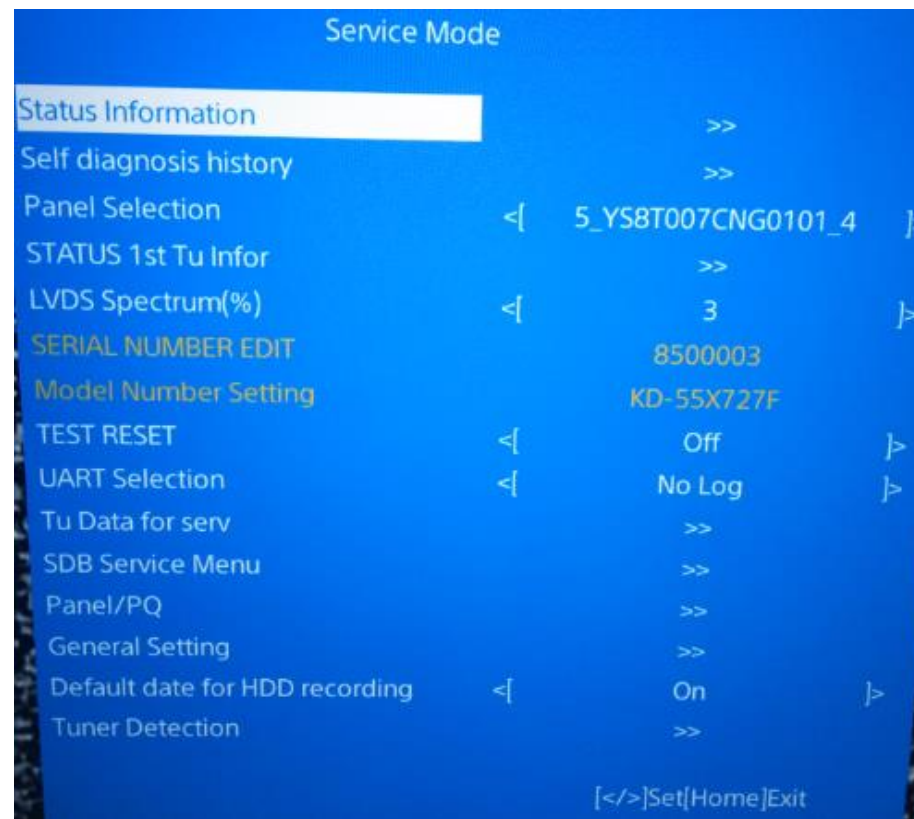
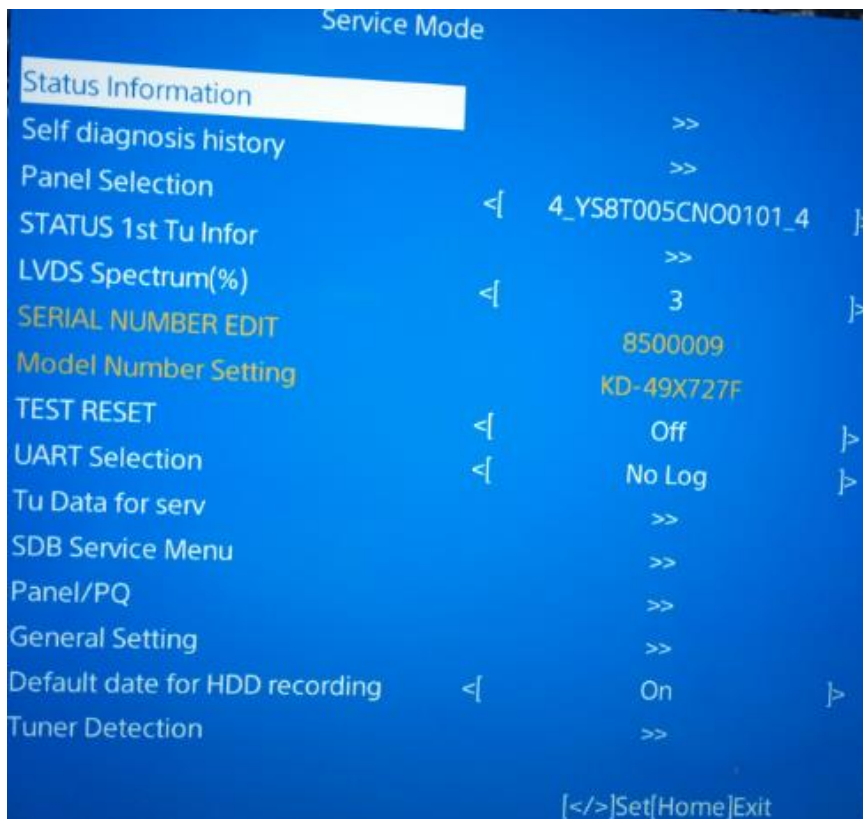
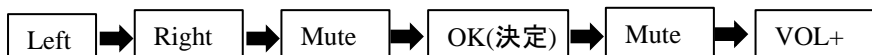
# SEC 2. ADJUSTMENT

## 3.HOW TO ENTERING SERVICE MODE(KD-49/55X727F)

power on mode

- a . Turn on the main power switch to place this set in Power on mode.
- b . Press the buttons on the remote commander as follows, and entering service mode.

service mode display



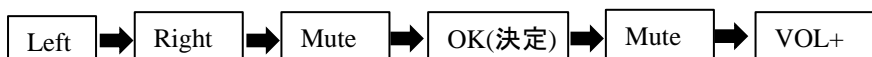
# SEC 2. ADJUSTMENT

## 1. HOW TO ENTERING SERVICE MODE(KD-49/55X727F)

power on mode

- a . Turn on the main power switch to place this set in Power on mode.
- b . Press the buttons on the remote commander as follows, and entering service mode.





### service mode display



Although project model name is same, but s/n are not same for each factory and region. Need to Distinguish S/N by each factory and region

Spec	Product Name	Serial No.	SV No.	Plant
UC2	KD-55X720F UC2	8,000,001-8,400,000	SV-34070	TPV(MX)
UC2	KD-49X720F UC2	8,000,001-8,400,000	SV-34071	TPV(MX)
UC2	KD-43X720F UC2	8,000,001-8,400,000	SV-34072	TPV(MX)
LA1	KD-55X720F LA1	8,400,001-8,500,000	SV-34070	TPV(MX)
LA1	KD-49X720F LA1	8,400,001-8,500,000	SV-34071	TPV(MX)
LA1	KD-43X720F LA1	8,400,001-8,500,000	SV-34072	TPV(MX)
CO1	KD-55X727F CO1	8,500,001-8,600,000	SV-34129	TPV(MX)
CO1	KD-49X727F CO1	8,500,001-8,600,000	SV-34130	TPV(MX)
LA8	KD-55X725F LA8	8,600,001-8,700,000	SV-34472	TPV(MX)
LA8	KD-49X725F LA8	8,600,001-8,700,000	SV-34473	TPV(MX)
LA8	KD-55X725F LA8	3,000,001-3,100,000	SV-34113	TPV(XM)
LA8	KD-49X725F LA8	3,000,001-3,100,000	SV-34114	TPV(XM)
AR4	KD-55X725F AR4	3,100,001-3,200,000	SV-34086	TPV(XM)
AR4	KD-49X725F AR4	3,100,001-3,200,000	SV-34087	TPV(XM)

## 2.How to use the remote commander.

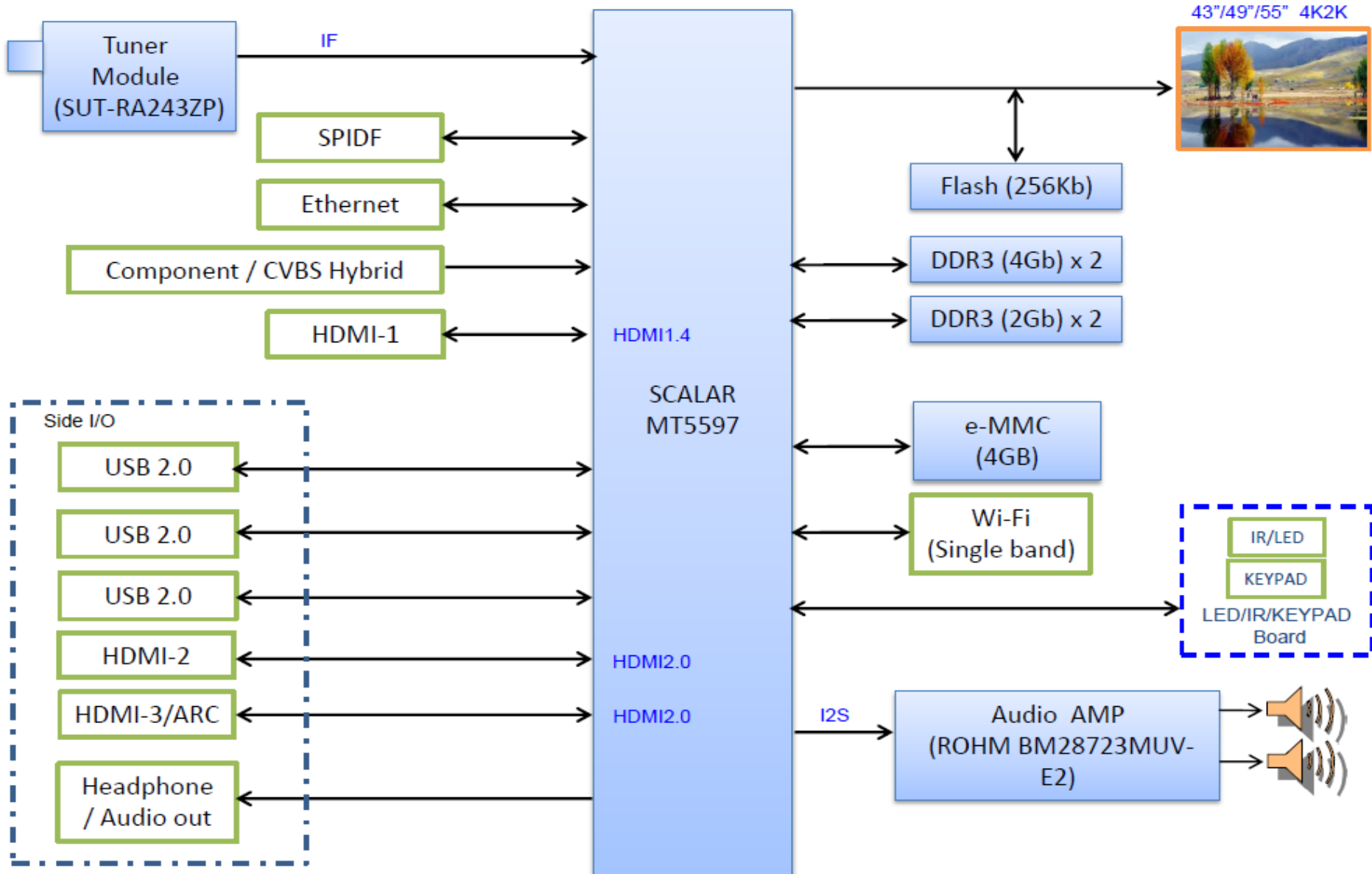
Function	The flow of control
Service mode on	<Left><Right><Mute><Ok(決定)><Mute><VOL+>
Service mode off	<Menu item "Exit">/<Power off-on>
Adjustment Item up / down	/  
Data Value up / down	/  

## 3.After entering service mode, then turn off the power switch.

# SEC 3. DIAGRAMS AND CHASSIS STRUCTURE

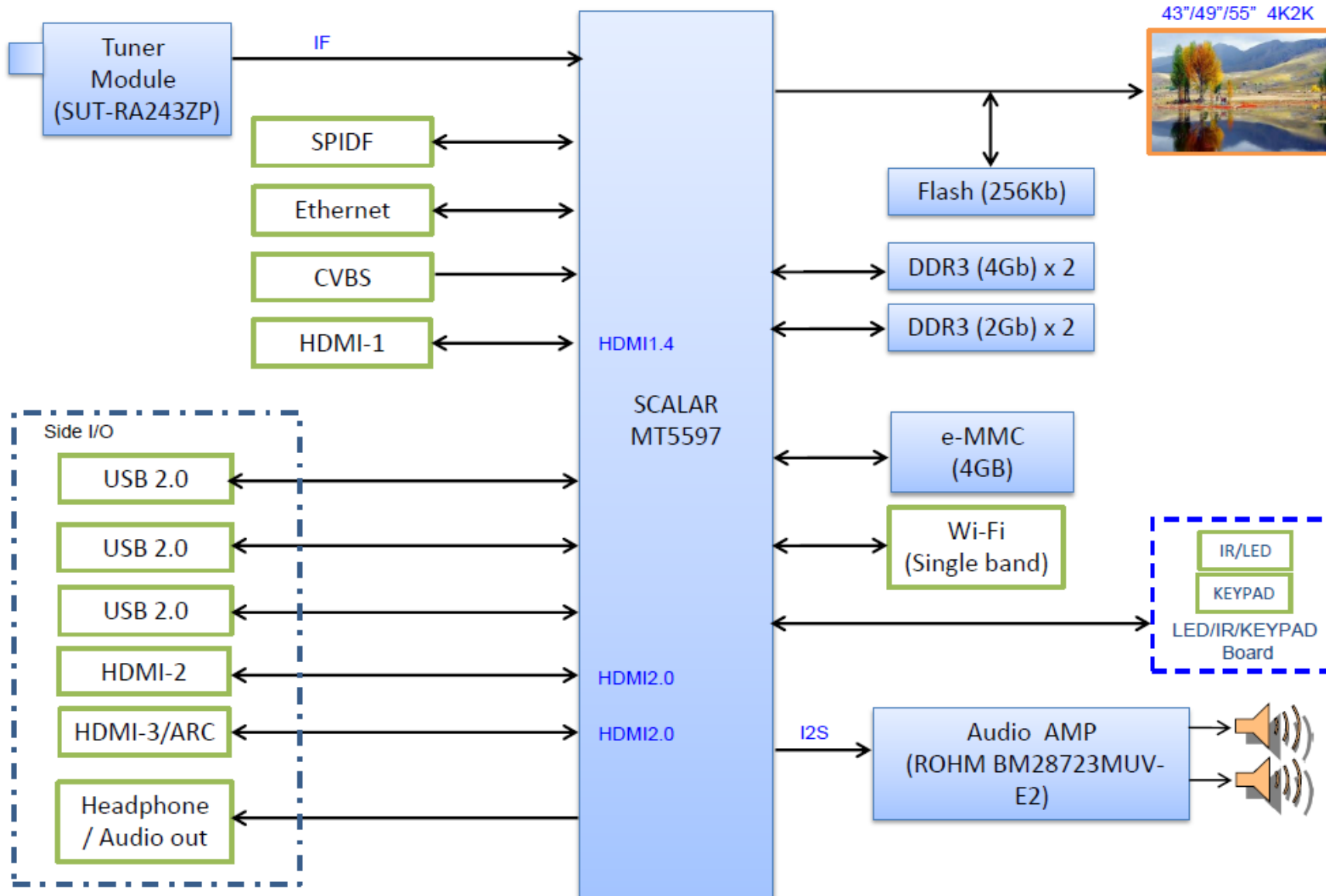
## 3-1. BLOCK DIAGRAM

### 3-1-1. FOR UC2 REGION



# SEC 3. DIAGRAMS AND CHASSIS STRUCTURE

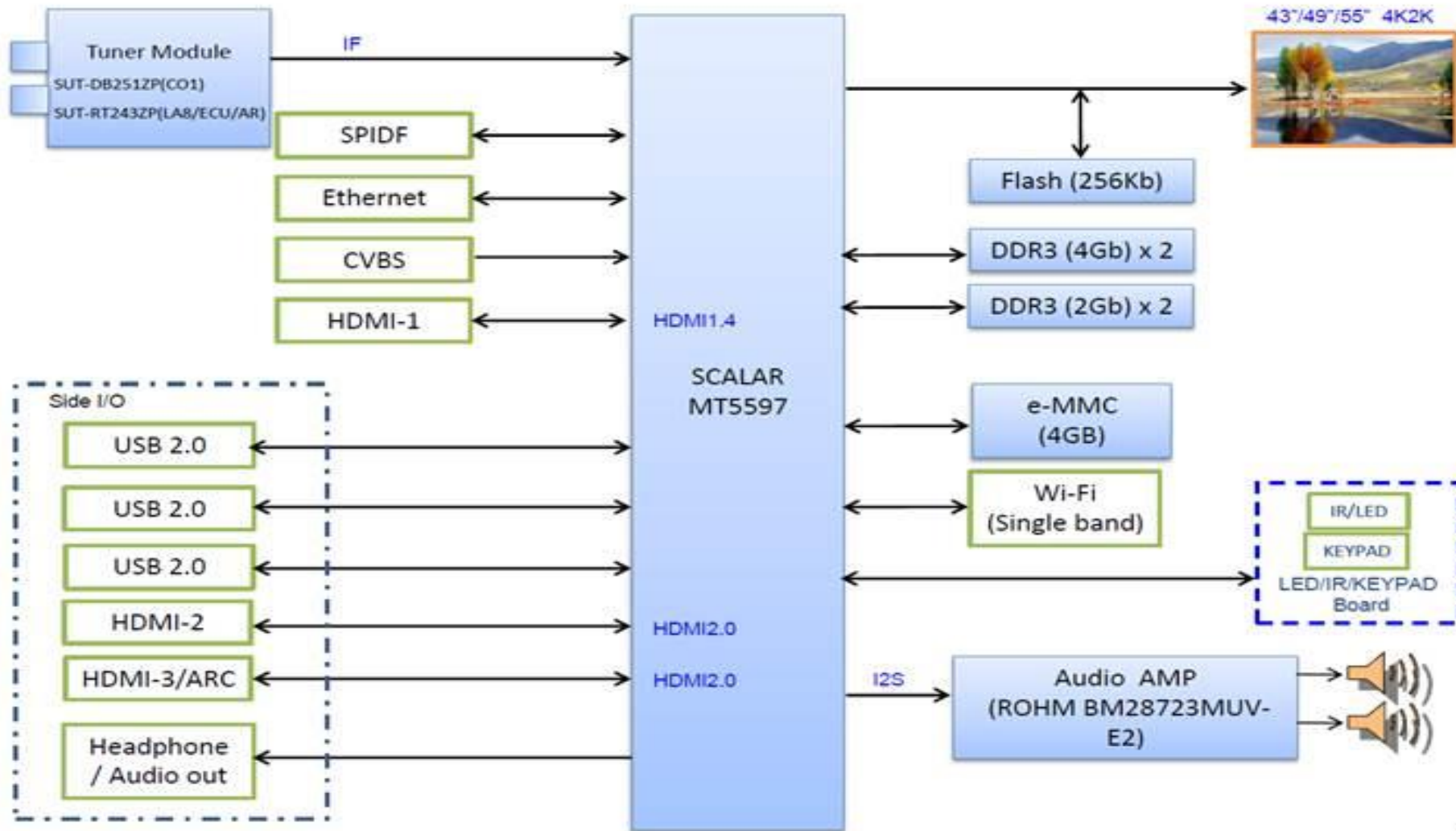
## 3-1. BLOCK DIAGRAM 3-1-2. FOR LA1 REGION



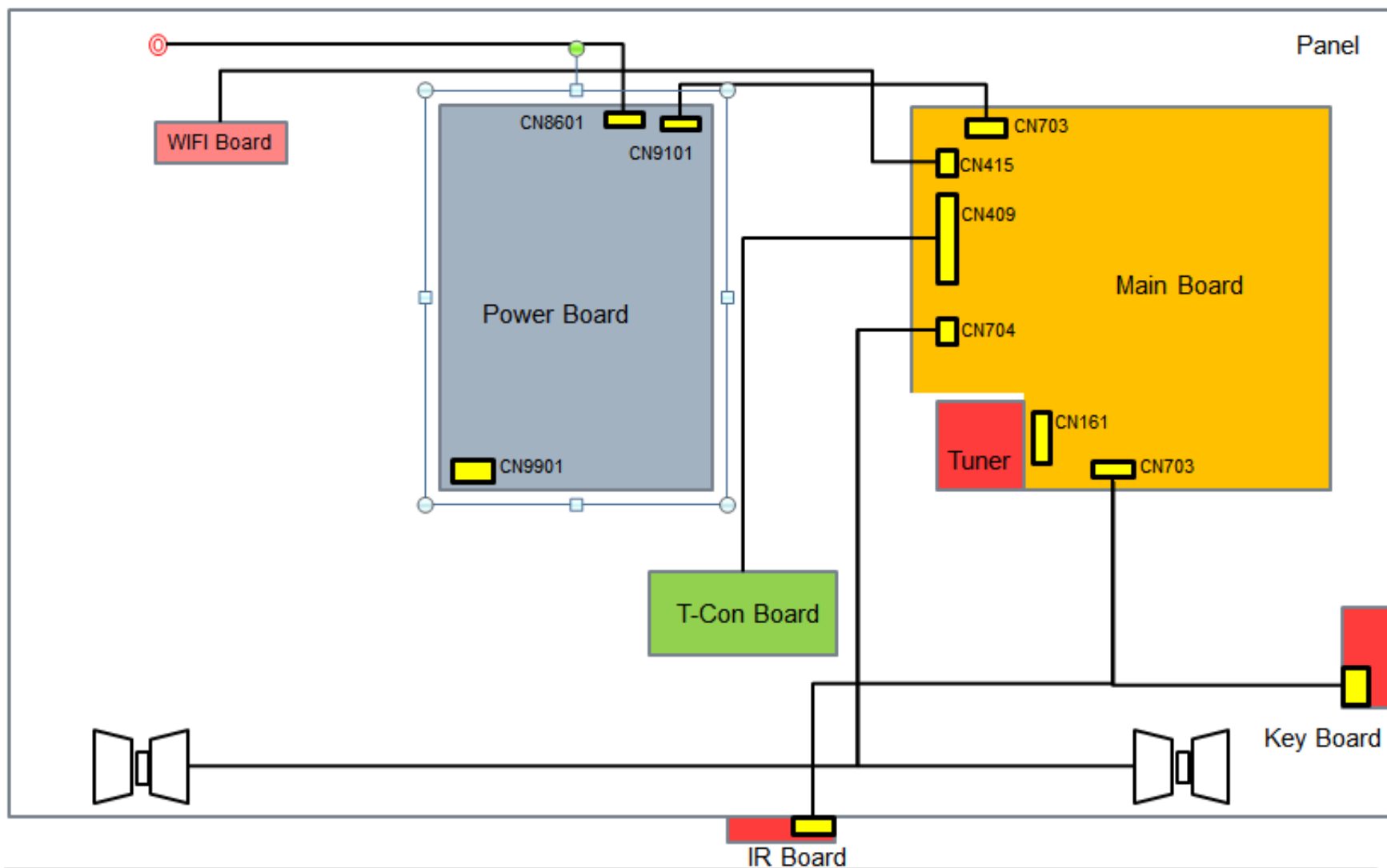
# SEC 3. DIAGRAMS AND CHASSIS STRUCTURE

## 3-1. BLOCK DIAGRAM

### 3-1-3. FOR CO1/LA8/AR4/ECU REGION

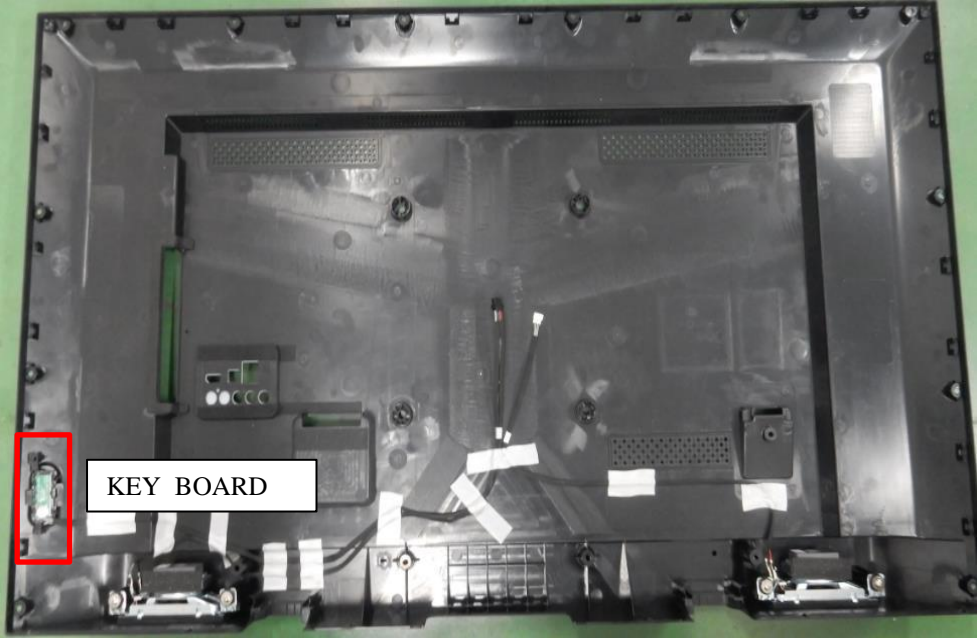
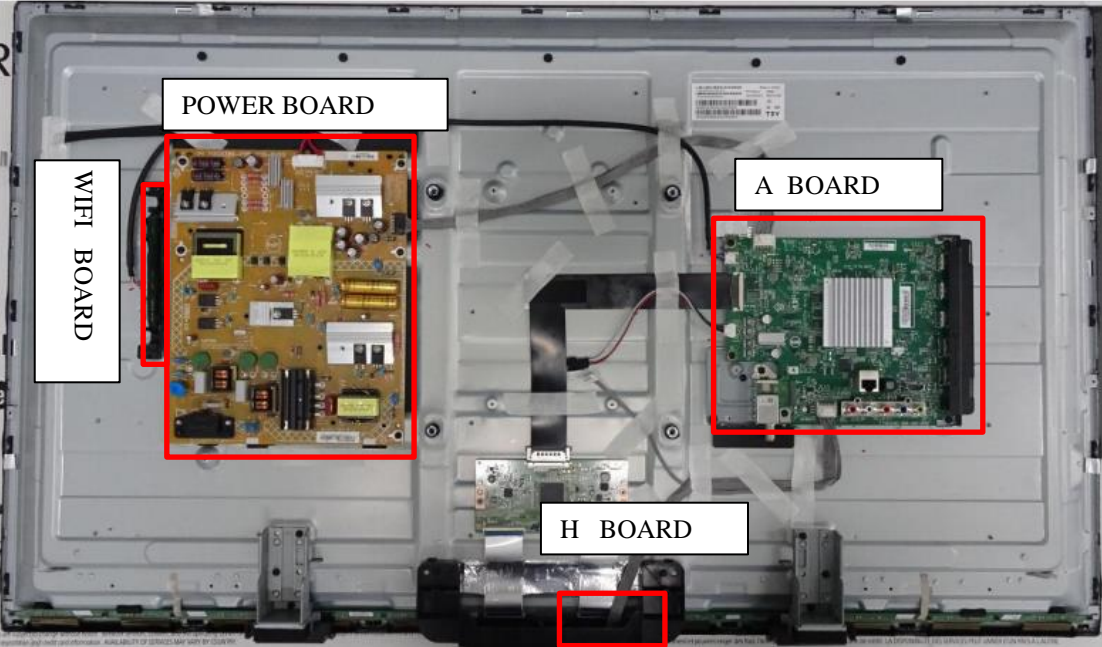


### 3-2. CONNECTOR DIAGRAM



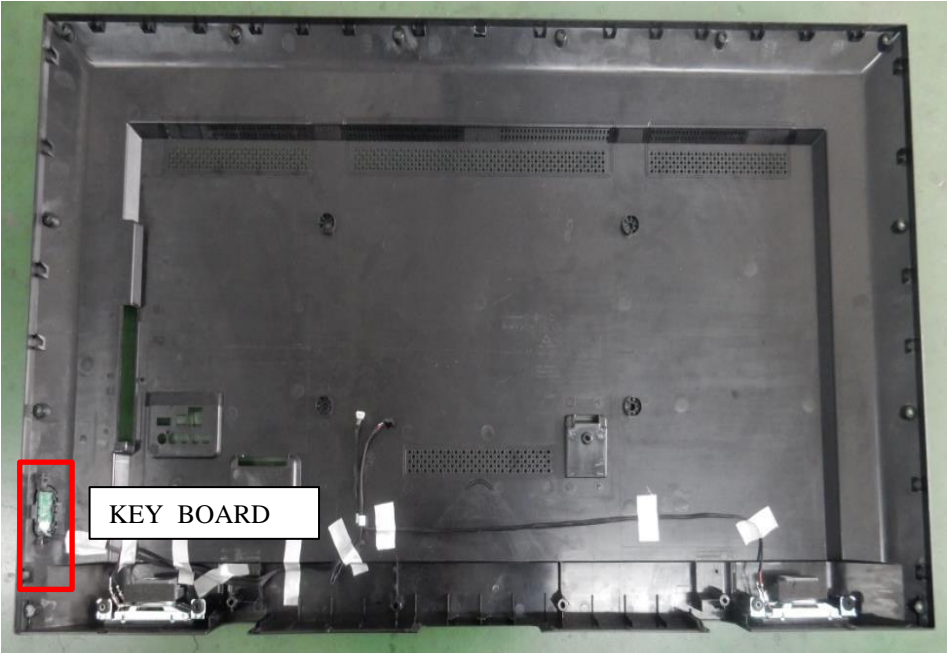
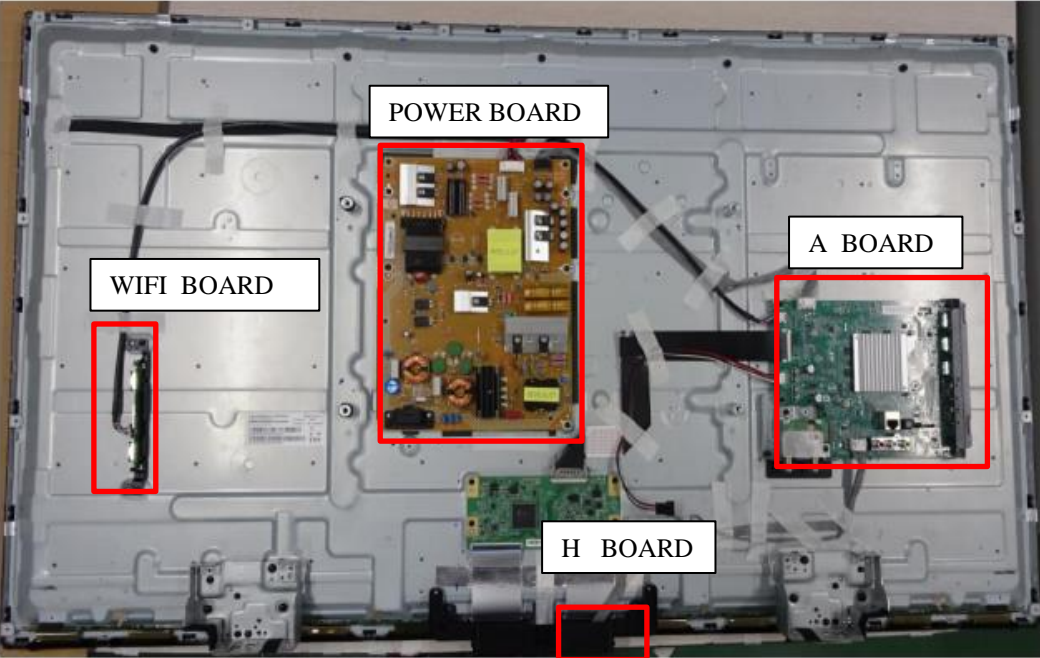
### 3-3. CIRCUIT BOARDS LOCATION

#### 3-3-1. KD-43X SERIES



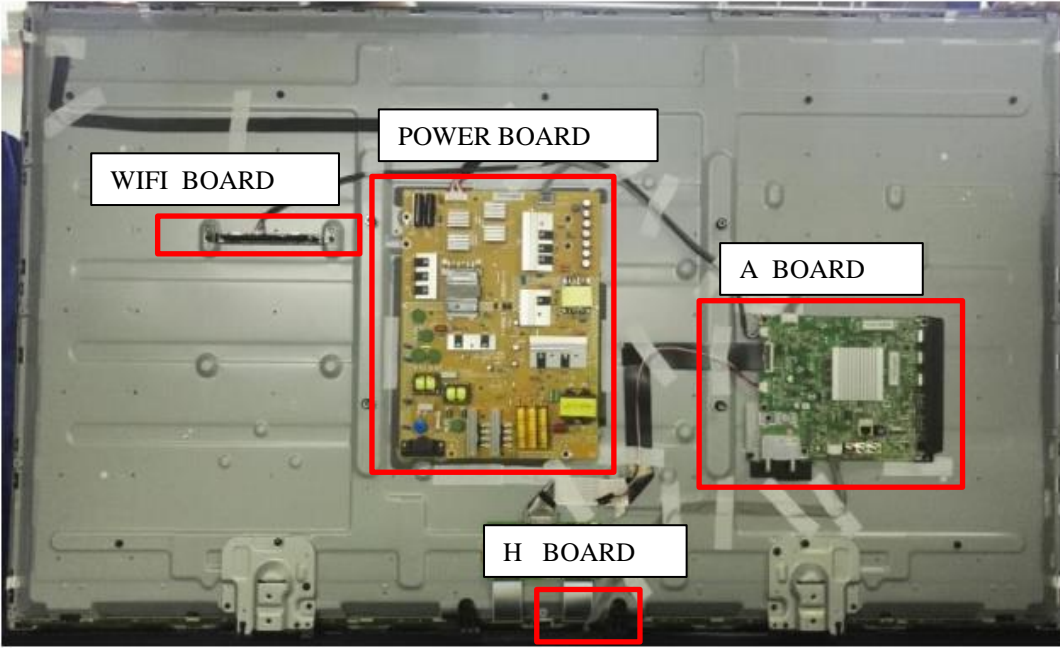
### 3-3. CIRCUIT BOARDS LOCATION

#### 3-3-1. KD-49X SERIES

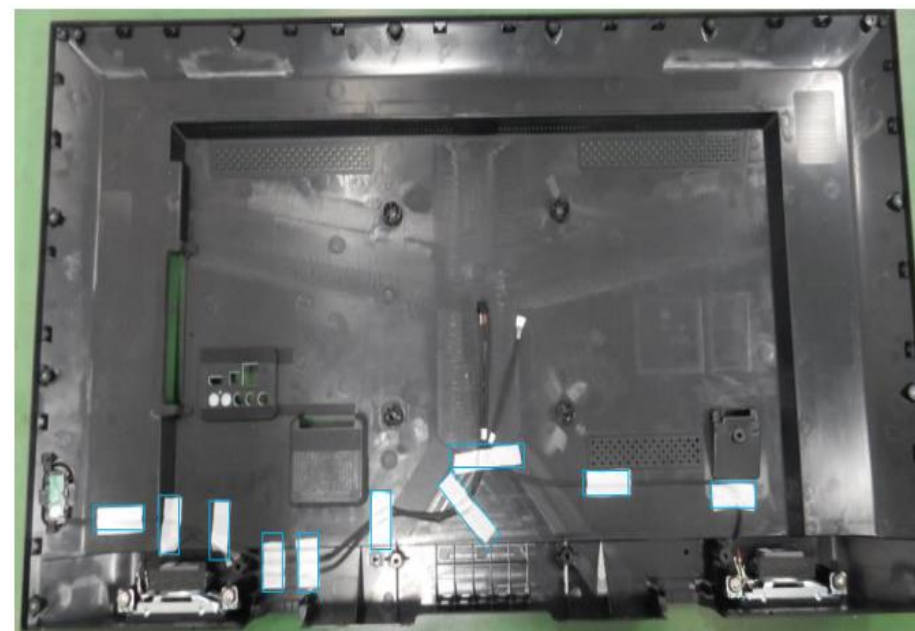
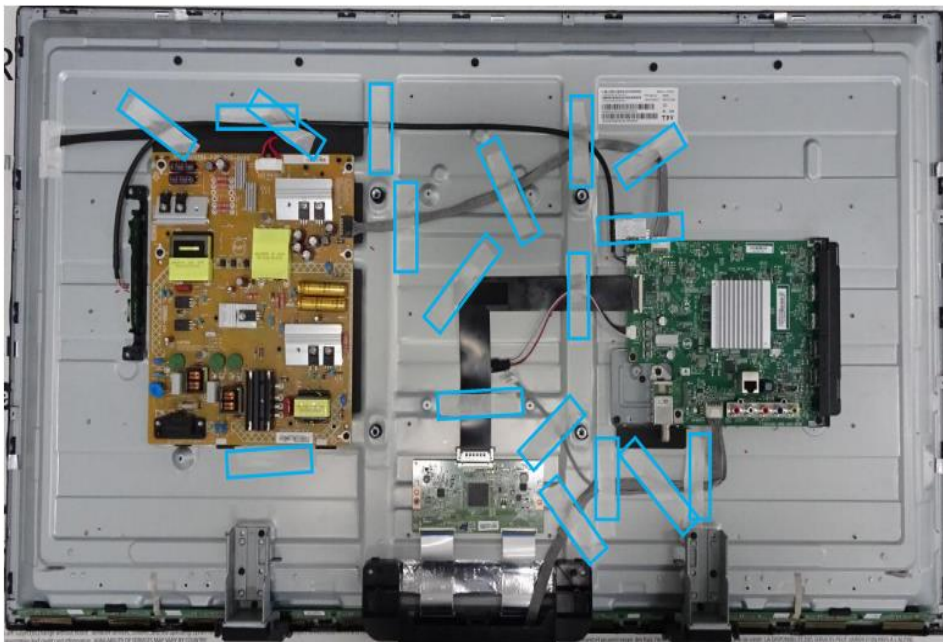


### 3-3. CIRCUIT BOARDS LOCATION

#### 3-3-1. KD-55X SERIES



### 3-4. Tape location FOR KD-43X SERIES

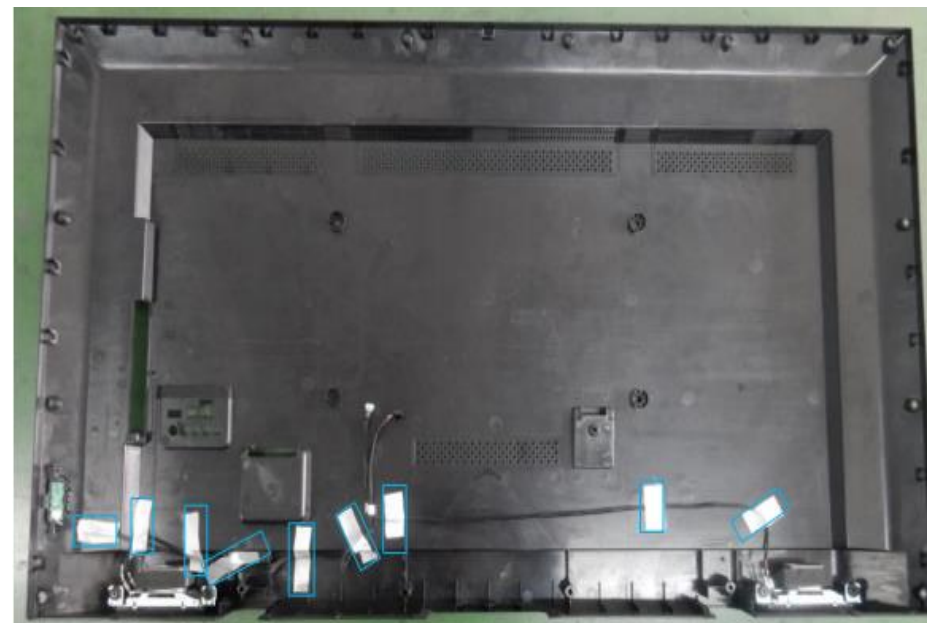
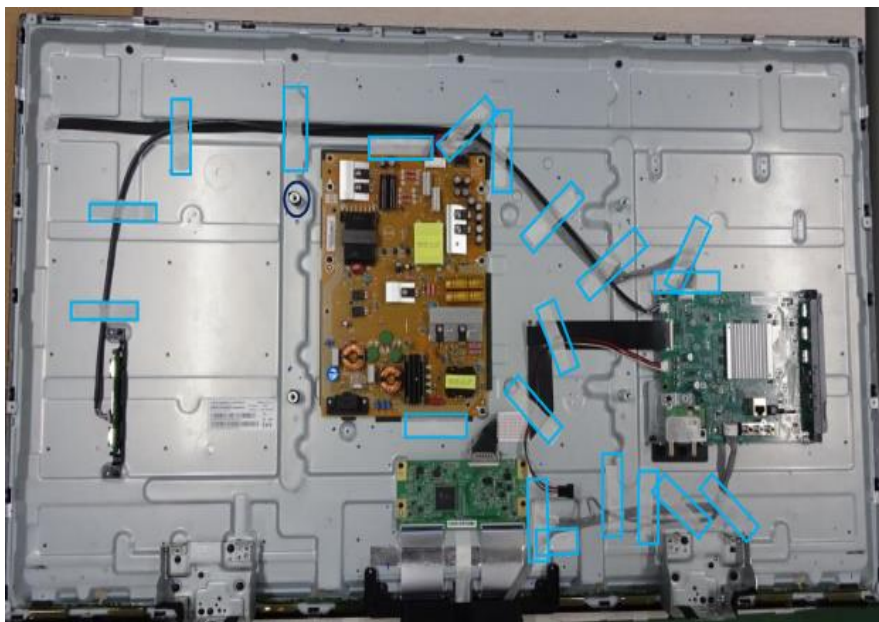


#### TAPE SIZE:

**KD-43X SERIES:**  **80MM\*20MM**

The purpose for the tape stick is to make the cables fixed.

### 3-5. Tape location FOR KD-49X SERIES

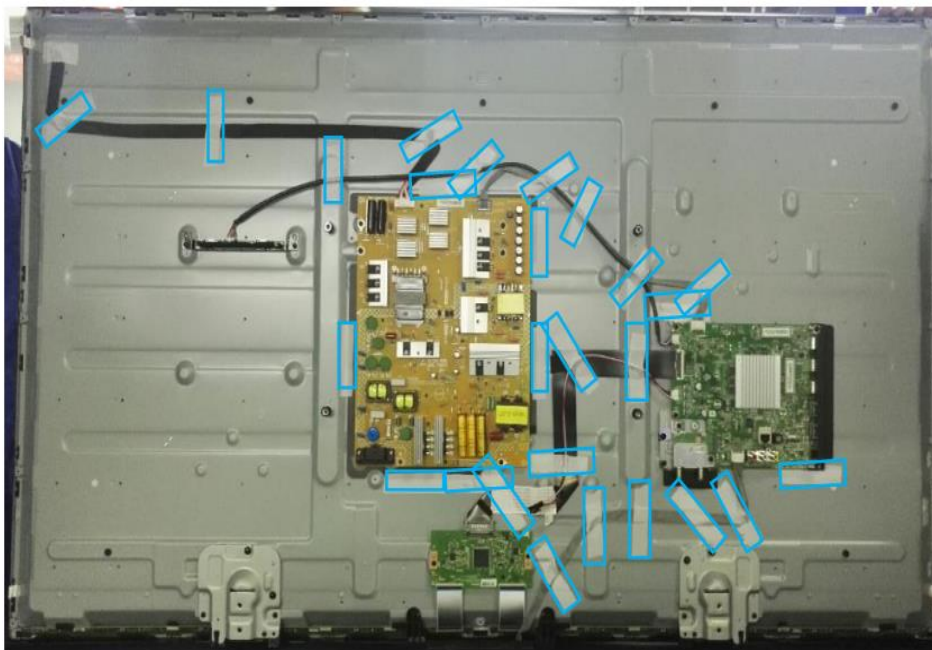


**TAPE SIZE:**

**KD-49X SERIES**  **80MM\*20MM**

The purpose for the tape stick is to make the cables fixed.

### 3-6. Tape location FOR KD-55X SERIES

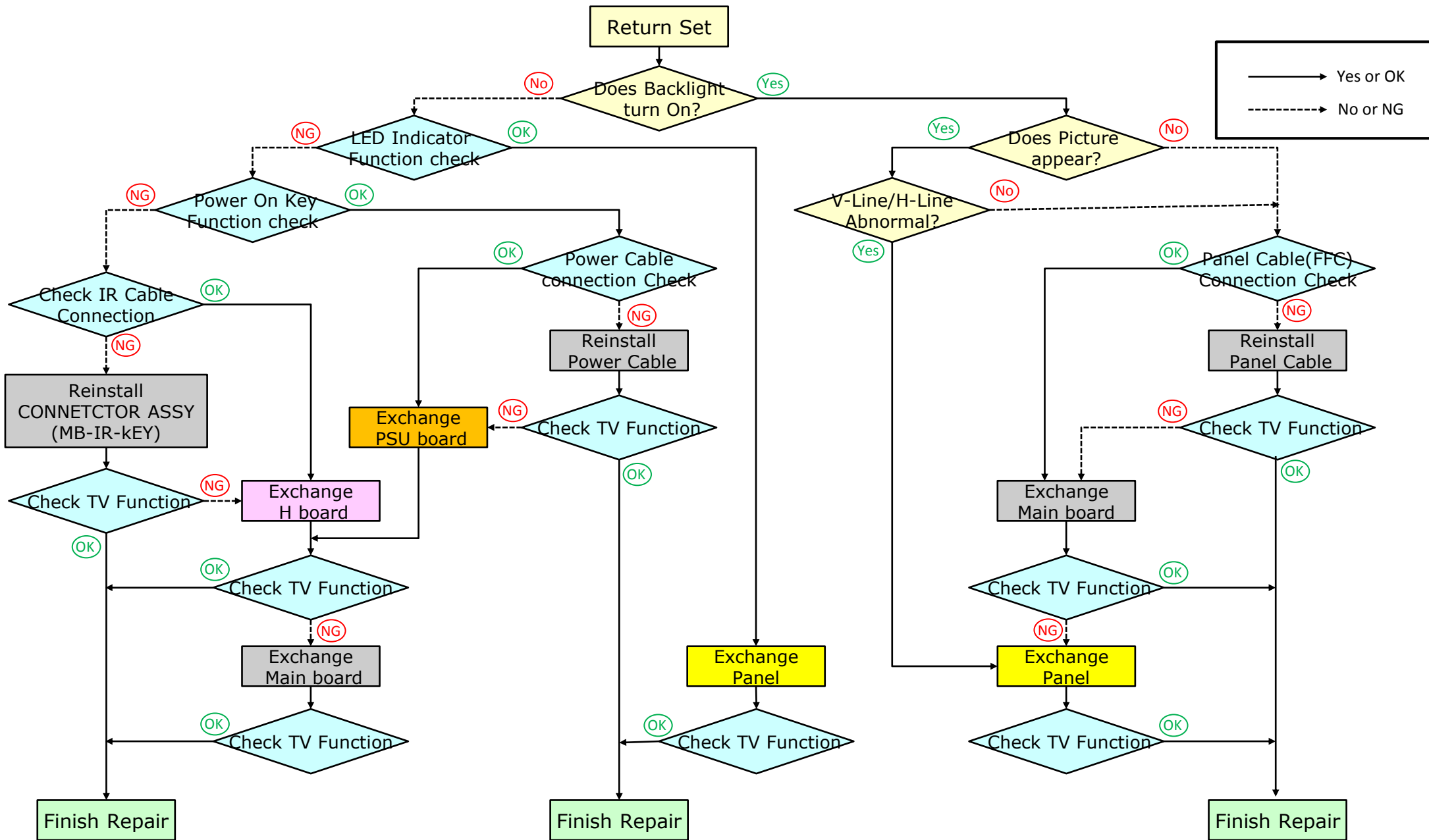


#### TAPE SIZE:

KD-55X SERIES:  80MM\*20MM

The purpose for the tape stick is to make the cables fixed.

# APPENDIX-1 Trouble analysis flow



# APPENDIX-2 Software data update

## Software data update for Engineering PKG

The confirmation of the software version of the TV set.

product information of setting menu.

[ホーム], [設定], [受信機情報表示], [ID表示]

Please use the latest software.

1: KD-43X720F/KD-49X720F/KD-55X720F(UC2/LA1)  
2: V4.000

1. Model Name
2. Software Version

1: KD-49X727F/KD-55X727F(CO1)  
2: V5.000

1. Model Name
2. Software Version

1: KD-49X725F/KD-55X725F(LA8)  
2: V6.000

1. Model Name
2. Software Version

1: KD-49X725F/KD-55X725F(AR4)  
2: V7.000

1. Model Name
2. Software Version

## Software Download

store the software Package to USB memory. (Applicable USB memory : Format by FAT32, USB2.0 type )

If the software file is compressed(.zip), please unzip it.

For USB, please store only the following files for software update.

And recommend to use the USB flash disk with the capacity no more than 8G

sony\_fw\_2018\_4000\_UTUSB.pkg 2017/12/12 19:47 PKG 文件 299,888 KB

sony\_fw\_2018\_6000\_UTCPB.pkg 2017/12/12 19:13 PKG 文件 301,064 KB

sony\_fw\_2018\_5000\_UTCOB.pkg 2017/12/12 21:35 PKG 文件 289,288 KB

sony\_fw\_2018\_7000\_UTBRB.pkg 2017/12/12 19:31 PKG 文件 309,108 KB

# APPENDIX-2 Software data update

## Software update by USB memory

- 1.Prepare USB with update PKG file. Put PKG file in USB.
- 2.Set TV to AC Off
- 3.Insert USB contain PKG file
- 4.Press and hold Power Tact Key for 5s while AC ON TV



5. TV power on.

- 1) Lights up green LED about 6s.



- 2) Orange LED is flashing about 20s and stopping flashing, the Lights up Orange LED.



- 3) Disconnect USB memory.

- 6.Turn OFF the TV (Unplug the AC power cord)
- 7.Turn ON the TV(plug in the AC power cord)

- 1) Then the screen will show the software upgrade hint.

Note: During the upgrade period, please do not disturb or lost power. Or some damage might cause to the unit and can not boot up later.

起動処理中です。

このメッセージが消えるまで電源を切らずにお待ちください。(最大約3分)

このメッセージが消えた後システムを再起動します。

一旦画面が暗くなり、その後視聴画面となります。

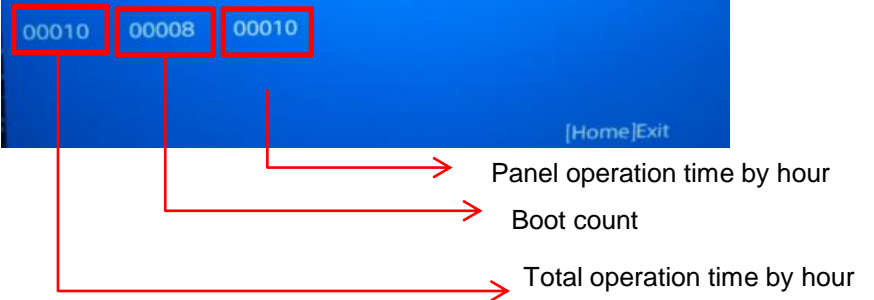
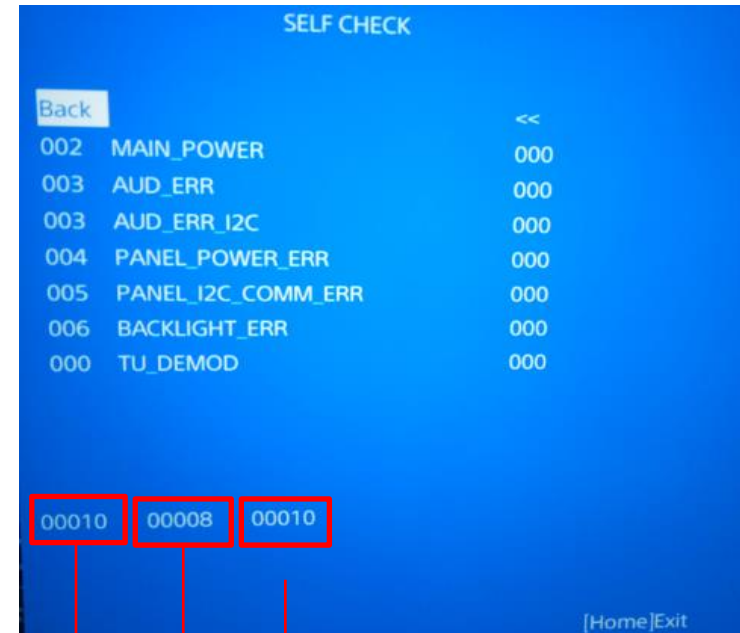
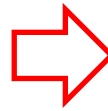
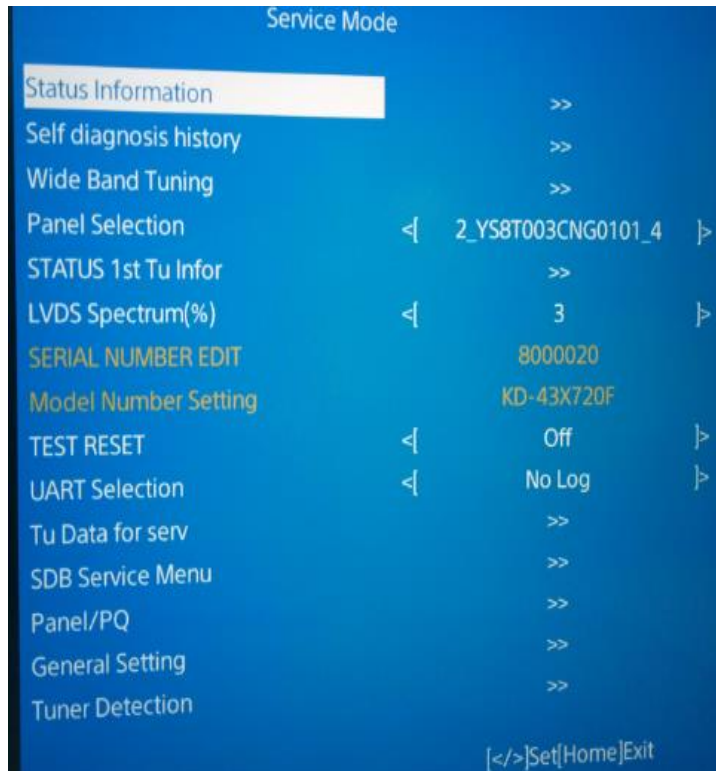
- 2) About 20s, the TV will restart automatically.

## Confirm Software version

**Please confirm whether it is the latest software.  
product information of setting menu.**  
[ホーム], [設定], [受信機情報表示], [ID表示]

# APPENDIX-3 service mode KD-43X720F

Entering service mode as shown below:

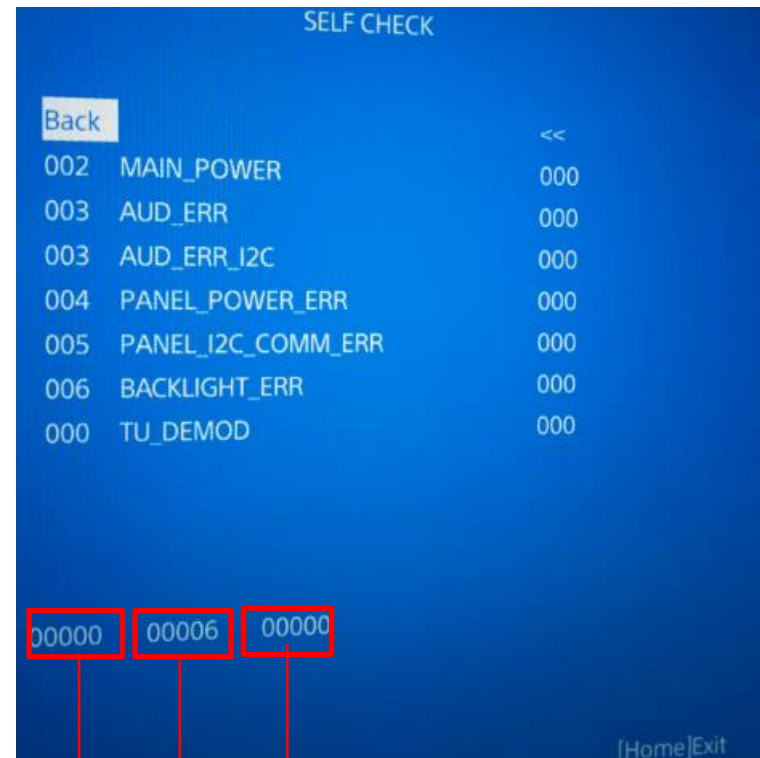
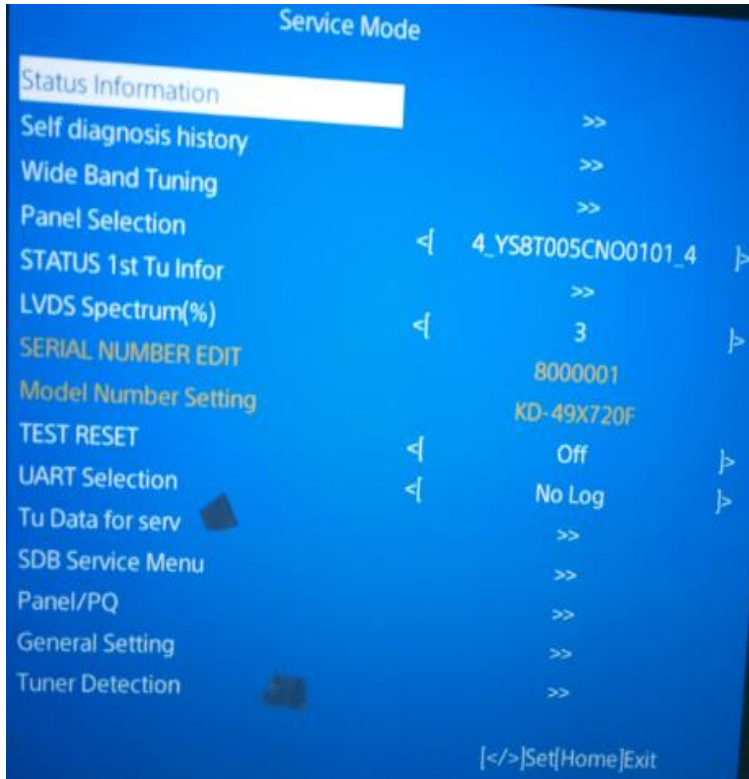


## Exiting the Self-diagnostic screen

To exit the Self Diagnostic screen, turn off the power to the TV by pressing the POWER button on the remote or the POWER button on the TV or Remote Control menu item “Exit” or “8”.

# APPENDIX-3 service mode KD-49X720F

Entering service mode as shown below:



00000 00006 00000

→ Panel operation time by hour

→ Boot count

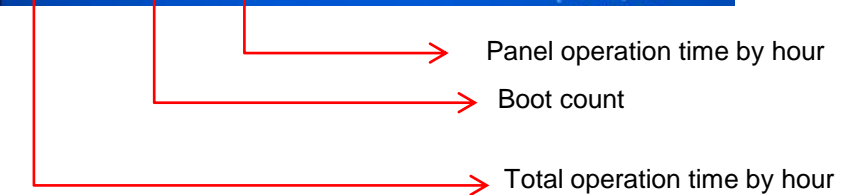
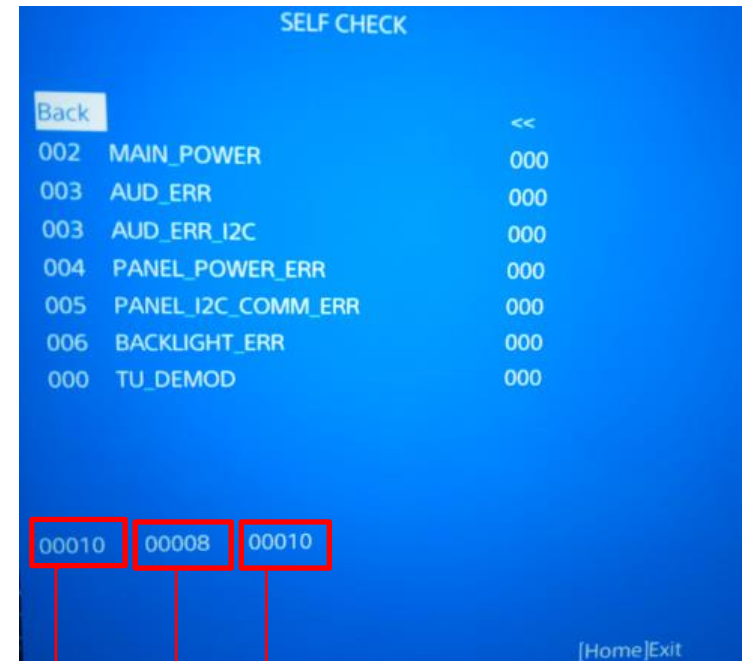
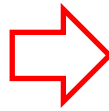
→ Total operation time by hour

## Exiting the Self-diagnostic screen

To exit the Self Diagnostic screen, turn off the power to the TV by pressing the POWER button on the remote or the POWER button on the TV or Remote Control menu item “Exit” or “8”.

# APPENDIX-3 service mode KD-55X720F

Entering service mode as shown below:

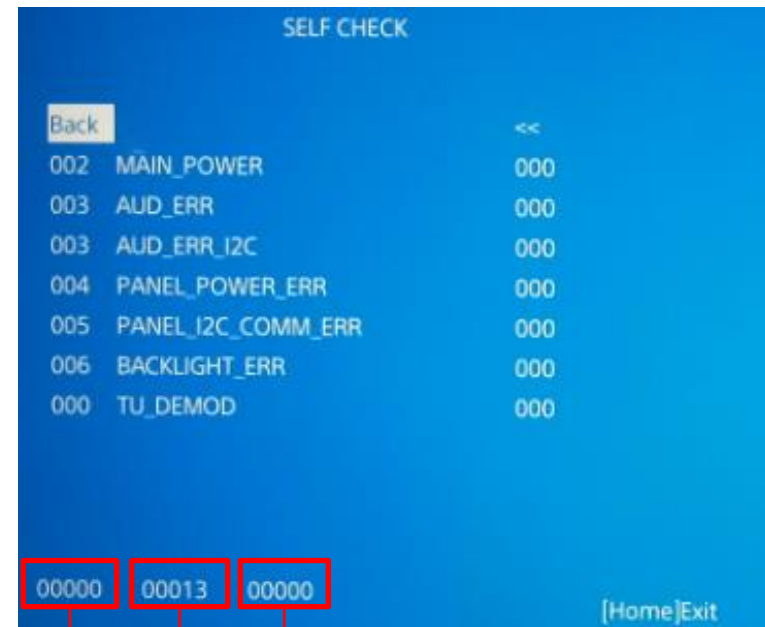
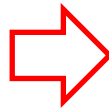
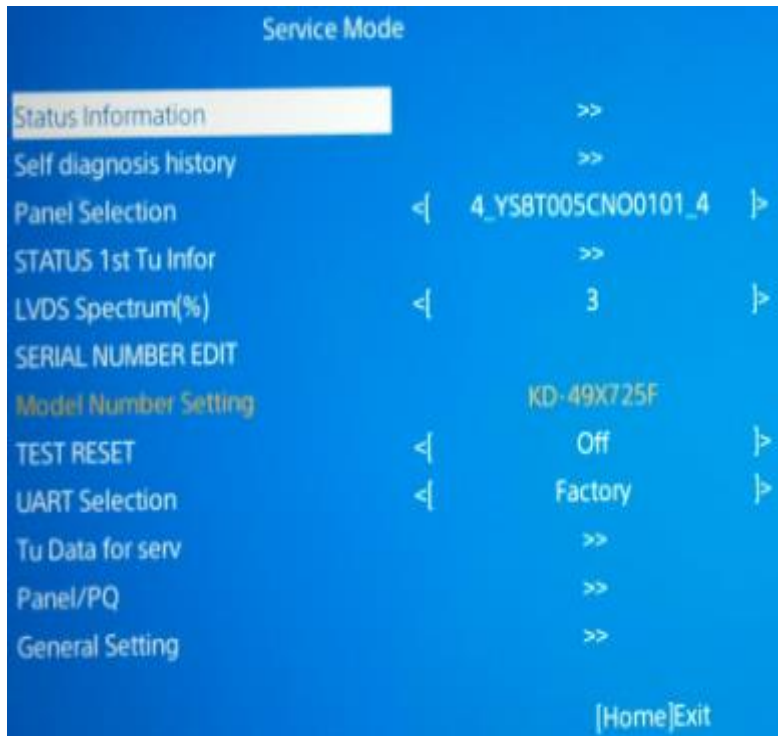


## Exiting the Self-diagnostic screen

To exit the Self Diagnostic screen, turn off the power to the TV by pressing the POWER button on the remote or the POWER button on the TV or Remote Control menu item “Exit” or “8”.

# APPENDIX-3 service mode KD-49X725F

Entering service mode as shown below:



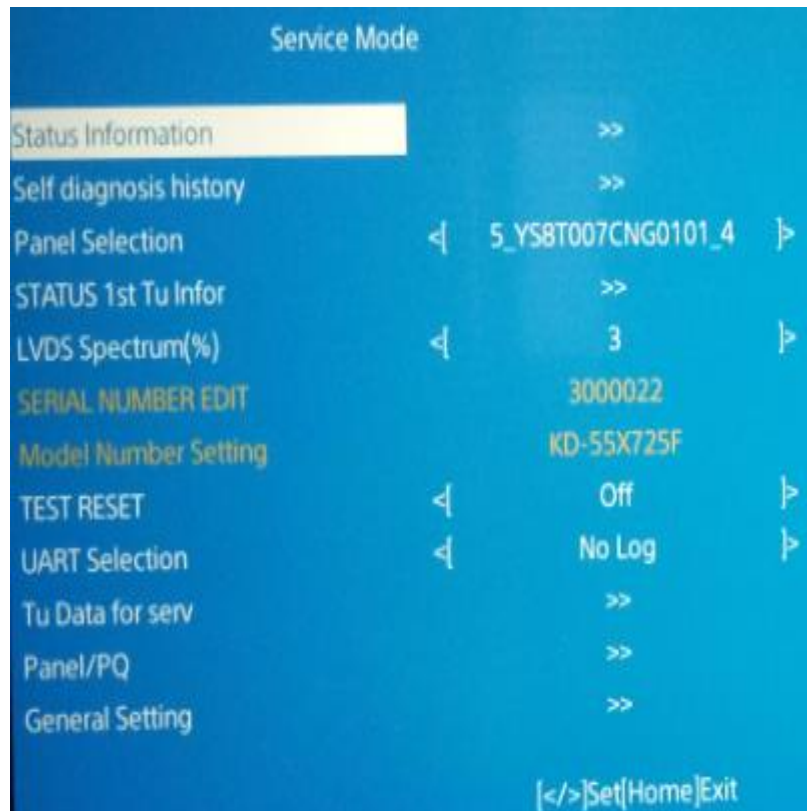
- Panel operation time by hour
- Boot count
- Total operation time by hour

## Exiting the Self-diagnostic screen

To exit the Self Diagnostic screen, turn off the power to the TV by pressing the POWER button on the remote or the POWER button on the TV or Remote Control menu item "Exit" or "8".

# APPENDIX-3 service mode KD-55X725F

Entering service mode as shown below:



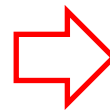
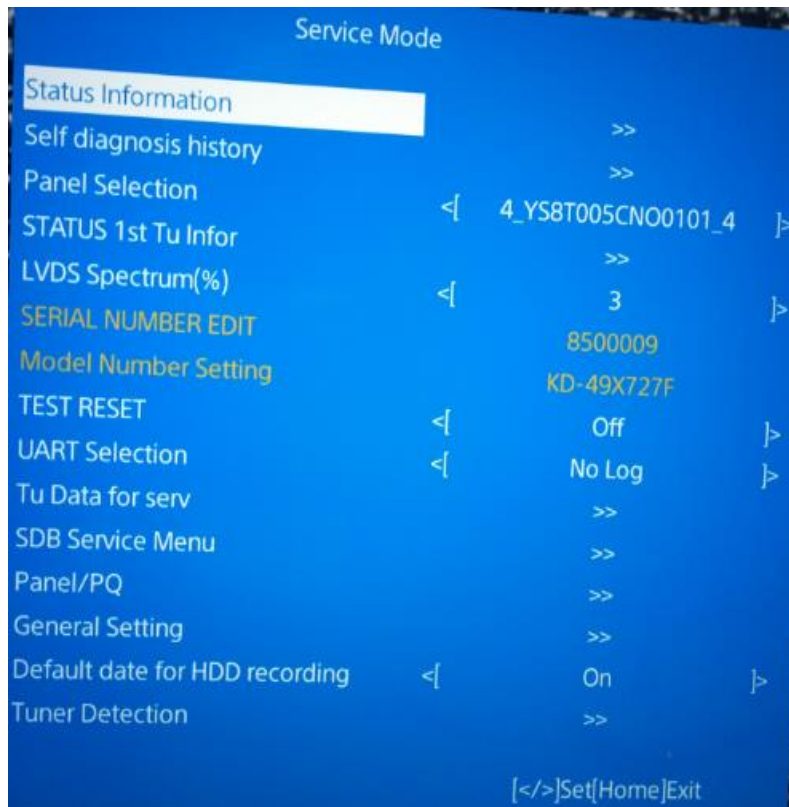
- Panel operation time by hour
- Boot count
- Total operation time by hour

## Exiting the Self-diagnostic screen

To exit the Self Diagnostic screen, turn off the power to the TV by pressing the POWER button on the remote or the POWER button on the TV or Remote Control menu item “Exit” or “8”.

# APPENDIX-3 service mode KD-49X727F

Entering service mode as shown below:



00059

00040

00059

Panel operation time by hour

Boot count

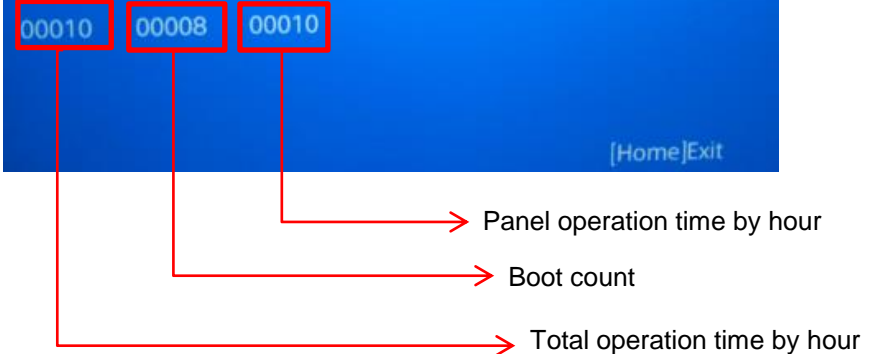
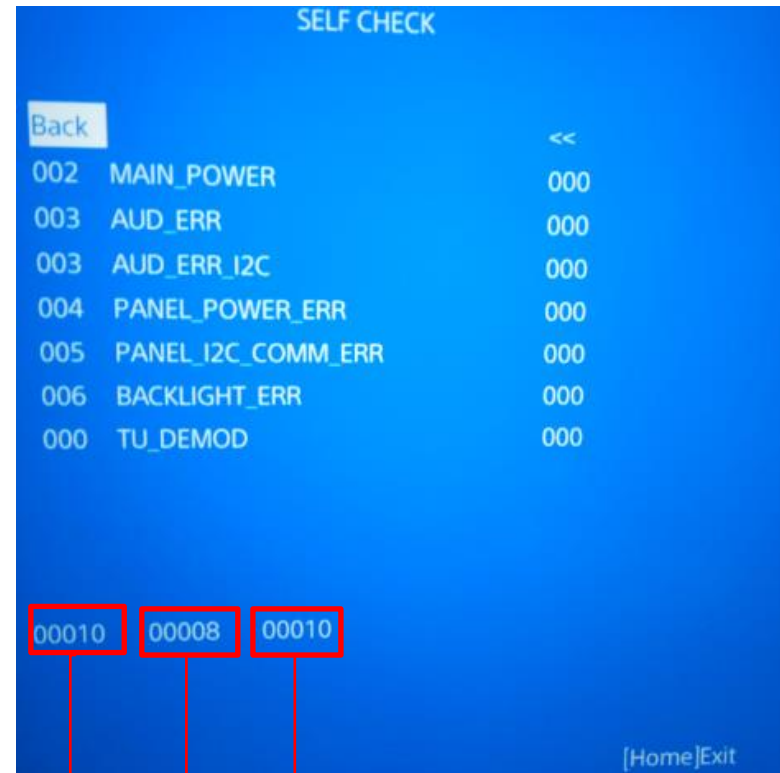
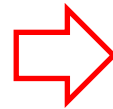
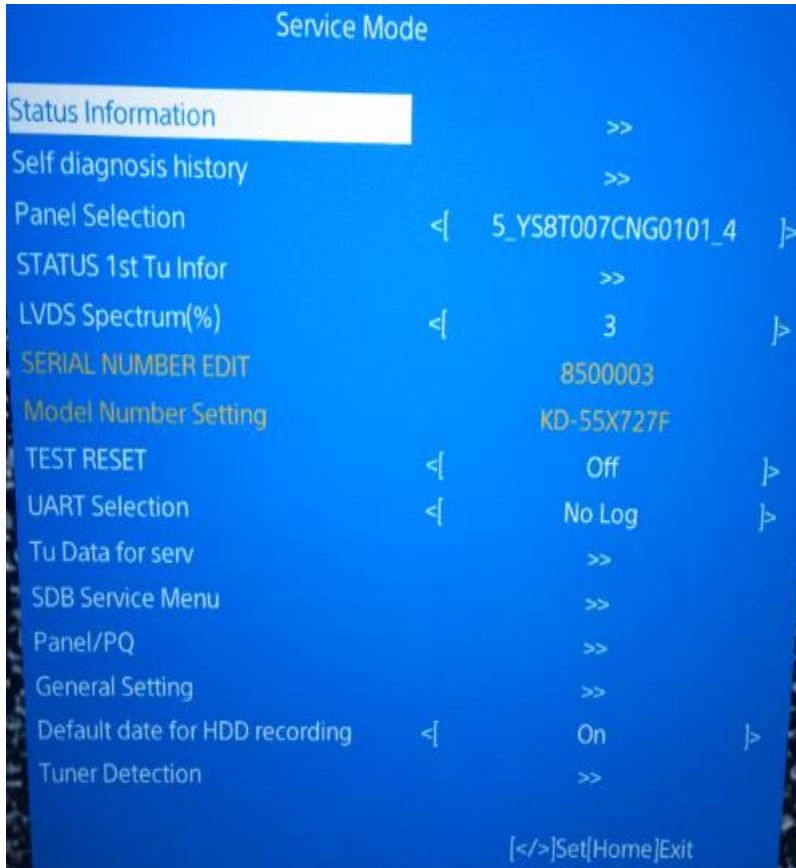
Total operation time by hour

## Exiting the Self-diagnostic screen

To exit the Self Diagnostic screen, turn off the power to the TV by pressing the POWER button on the remote or the POWER button on the TV or Remote Control menu item "Exit" or "8".

# APPENDIX-3 service mode KD-55X727F

Entering service mode as shown below:



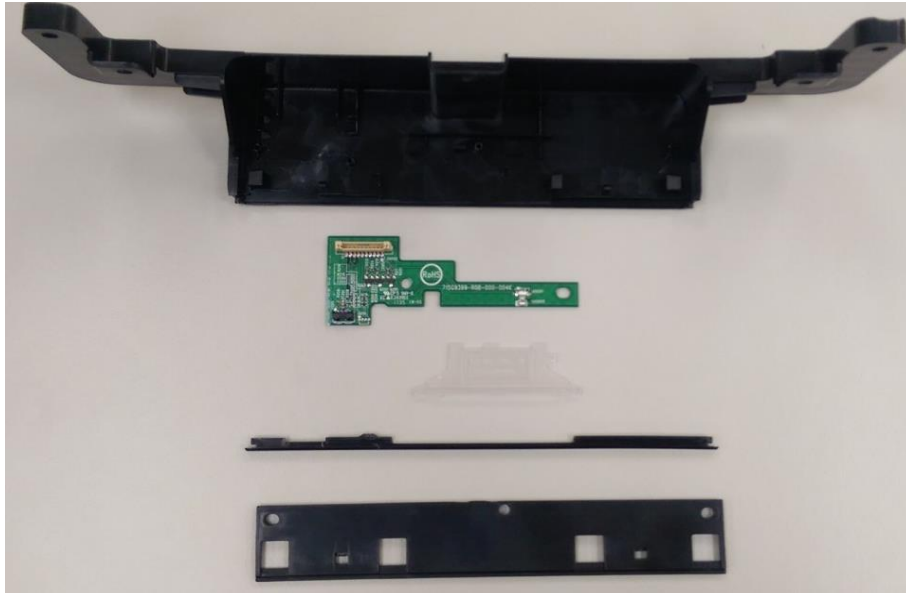
## Exiting the Self-diagnostic screen

To exit the Self Diagnostic screen, turn off the power to the TV by pressing the POWER button on the remote or the POWER button on the TV or Remote Control menu item "Exit" or "8".

# APPENDIX-4 Assembly

For this portion, Himeron tape will be attached by TPV

## 1.Deco ASS'Y .

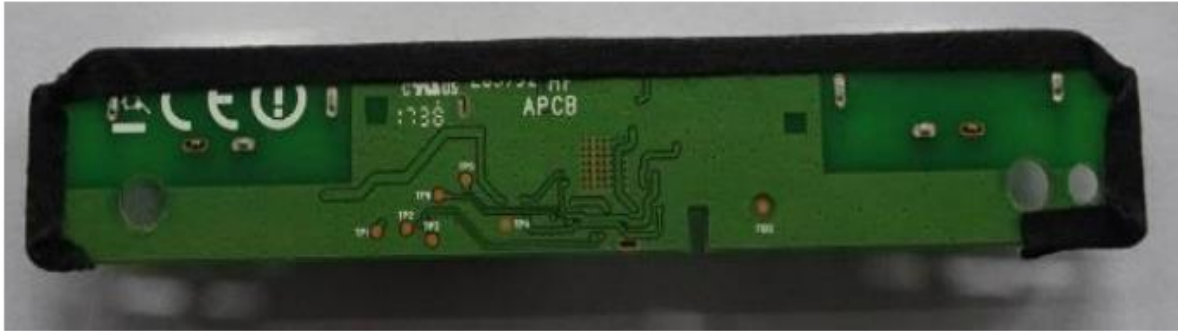


SONY PN	Description	Qty	Remark
4-737-476-01	DECO-COVER	1	For 43 series
4-737-477-01	DECO-COVER	1	For 49 series
4-737-478-01	DECO-COVER	1	For 55 series
1-897-276-11	IR_BOARD	1	
4-737-473-01	LENS	1	
4-737-474-01	DECO	1	
4-737-475-01	DECO_BEZEL	1	

# APPENDIX-4 Assembly parts KD-55X SERIES

For this portion, Himeron tape will be attached by TPV

2.Stick HIMERON on the the WIFI BOARD.

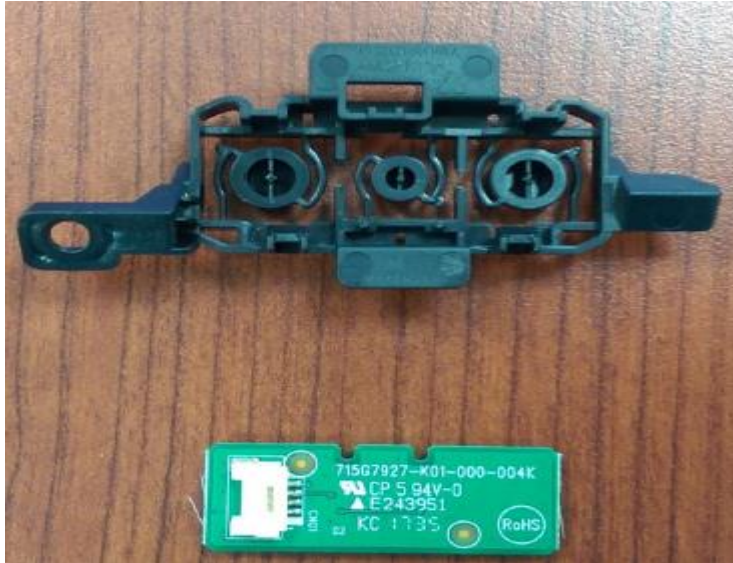


Sony PN	TPV PN	Description(L*W )(mm)	Qty	Remark
1-897-294-11	317GAAWF677LON	WIFI BOARD	1	WIFI Module
	Q36G0600062067GPZA	CUSHION 120mm*8mm*0.3 mm	1	

# APPENDIX-4 Assembly

For this portion, Himeron tape will be attached by TPV

## 3.KEY ASS'Y.



SONY PN	Description	Qty	Remark
1-798-600-11	KEY BOARD	1	KEY MODULE
	KEY, COVER	1	

# APPENDIX-4 Assembly

For this portion, Himeron tape will be attached by TPV

## 4.BASE LEFT ASS'Y AND BASE RIGHT ASS'Y FOR KD-43/49X SERIES.



Part Number	Description	Qty	Remark
A-2216-829-A	BKT_BASE	1	BASE_LEFT ASS'Y
	SCREW 3x8	1	
	CLIP	1	
	BASE_LEFT TV43W-18db-sony1- sony1	1	
	STAND_L TV43W-18db-sony1- sony1	1	
	RUBBER PAD	2	
	RUBBER PAD	2	
	PROTECT BAG 380*350*0.04	1	
	OTHER LABEL	1	

Part Number	Description	Qty	Remark
A-2216-831-A	BKT_BASE	1	BASE_RIGHT ASS'Y
	SCREW 3x8	1	
	CLIP	1	
	BASE_RIGHT TV43W-18db-sony1- sony1	1	
	STAND_R TV43W-18db-sony1- sony1	1	
	RUBBER PAD	2	
	RUBBER PAD	2	
	PROTECT BAG 380*350*0.04	1	
	OTHER LABEL	1	

# APPENDIX-4 Assembly

For this portion, Himeron tape will be attached by TPV

## 4.BASE LEFT ASS'Y AND BASE RIGHT ASS'Y FOR KD-55X SERIES.



Part Number	Description	Qty	Remark
A-2216-830-A	BKT_BASE	1	BASE_LEFT ASS'Y
	SCREW 4x12	2	
	SCREW 3x8	1	
	CLIP	1	
	BASE_LEFT TV43W-18db-sony1- sony1	1	
	STAND_L TV43W-18db-sony1- sony1	1	
	RUBBER PAD	2	
	RUBBER PAD	2	
	BKT_STAND_L	1	
	PROTECT BAG 380*350*0.04	1	
	OTHER LABEL	1	

Part Number	Description	Qty	Remark
A-2216-832-A	BKT_BASE	1	BASE_RIGHT ASS'Y
	SCREW 4x12	2	
	SCREW 3x8	1	
	CLIP	1	
	BASE_RIGHT TV43W-18db-sony1- sony1	1	
	STAND_R TV43W-18db-sony1- sony1	1	
	RUBBER PAD	2	
	RUBBER PAD	2	
	BKT_STAND_R	1	
	PROTECT BAG 380*350*0.04	1	
	OTHER LABEL	1	

**END**

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