Self Diagnosis
Supported model

SERVICE MANUAL

ORIGINAL MANUAL ISSUE DATE: 2023.10

LCD Digital Color TV

SONY ®

9-888-912-U1

TABLE OF CONTENT

MODEL LIST

MODEL	COLOR	COMMANDER	DEST.
KD-32W830K	Black	RMF-TX520U	UC2
KD-55X75K	Black	RMF-TX520U	LA1
KD-55X75K	Black	RMF-TX520U	UC2
KD-65X75K	Black	RMF-TX520U	LA1
KD-65X75K	Black	RMF-TX520U	UC2

WARNINGS AND CAUTIONS

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.

KD-32W830K (UC2),KD-55X75K(LA1/UC2), KD-65X75K(LA1/UC2)

SYS SET

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.

KD-32W830K (UC2),KD-55X75K(LA1/UC2), KD-65X75K(LA1/UC2)

SYS SET
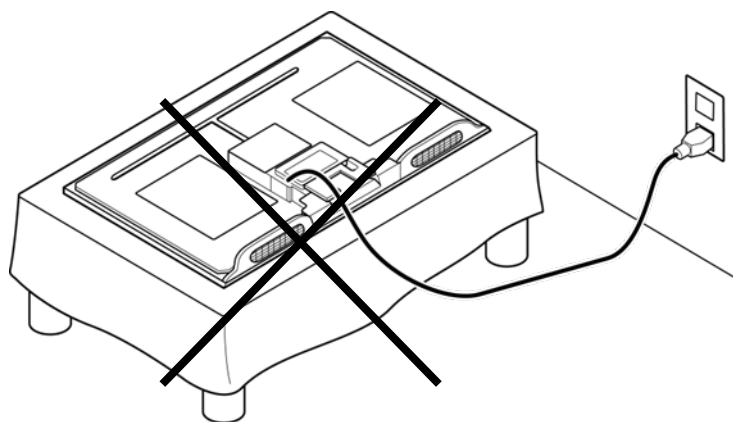
SAFETY CHECK-OUT

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 internal 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 M ohm, Input capacitance < 200 pF, Frequency range: 15 Hz – 1MHz (Refer Figure A). 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 10µArms 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 =√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 350uA peak). Note: including AC adaptor, AC adaptor/DC operated unit combination

Figure A. 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).
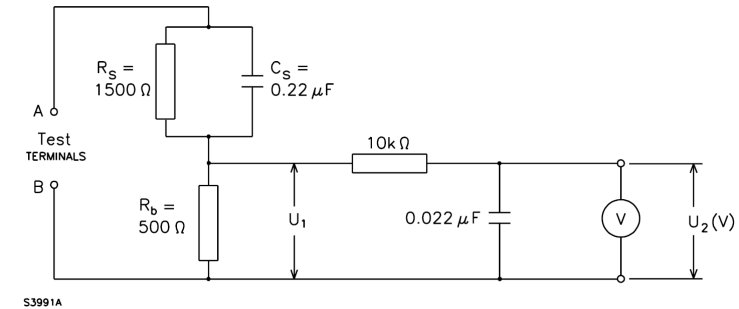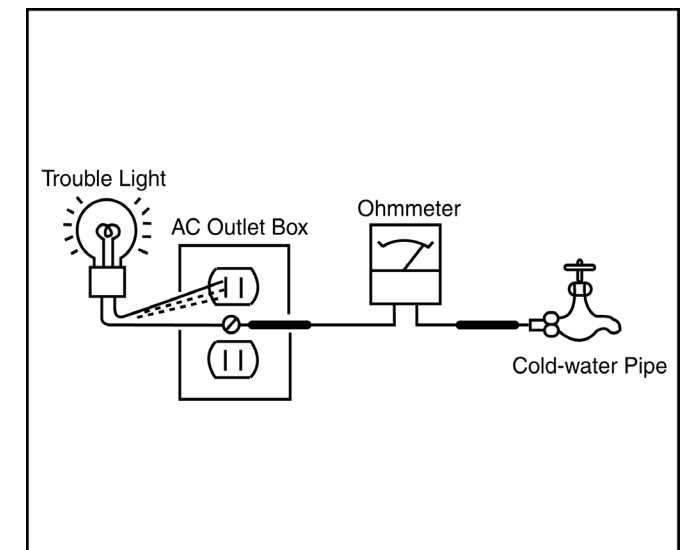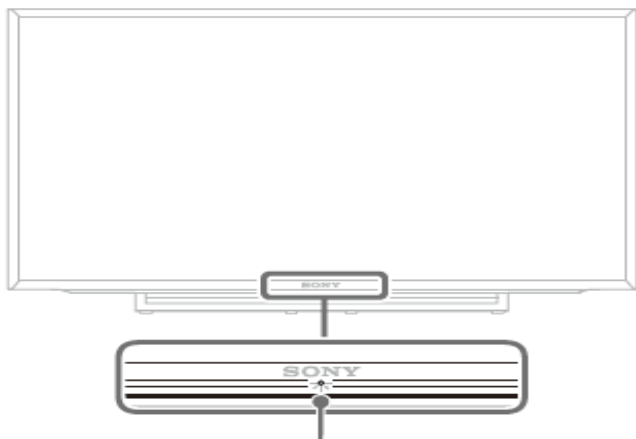
Figure B. Checking for earth ground.

SELF DIAGNOSIS FUNCTION

Status	LED Color	Remarks
Power Off (AC Off and *1)	OFF	*1 power switch off (by Side Key)
Power On	White	
Standby (by remote control off and Side Key off)	OFF	
Picture Off	White	
Failure	Red Blinking	The number of LED blinking indicates cause of failure.
Panel ID mismatch	White / Red Blinking	Blinking:0.5sec White/ 0.5sec Red
Software Updating	White Blinking	
Software Updating failure	White → Red → White Blinking	White: 1sec On / 1sec Off / 1sec On Red : 1sec Off / 1sec On / 1sec Off OSD message will be shown to inform that the update failed and then TV reboots

KD-32W830K (UC2),KD-55X75K(LA1/UC2), KD-65X75K(LA1/UC2)

SYS SET

FAILURE Diagnosis LED Display

Error Item	Number of LED flashing	Description	Error Log String
MAIN_POWER	2	Main power rail monitoring (12V)	Main Power Err
AUD_ERR	3	Audio amp error detection	Audio Amp Err
PANEL_ID_ERR	5	Panel ID read failure	Panel ID Err
BACKLIGHT	6	Backlight error detection.	Backlight Err

[Note]
Please be caution when checking failure board *(if Power ON condition)* due to power is still supplied continuous when error is triggered.

KD-32W830K (UC2),KD-55X75K(LA1/UC2), KD-65X75K(LA1/UC2)

SYS SET

SEC 1. DISASSEMBLY AND PARTS LIST

• 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.

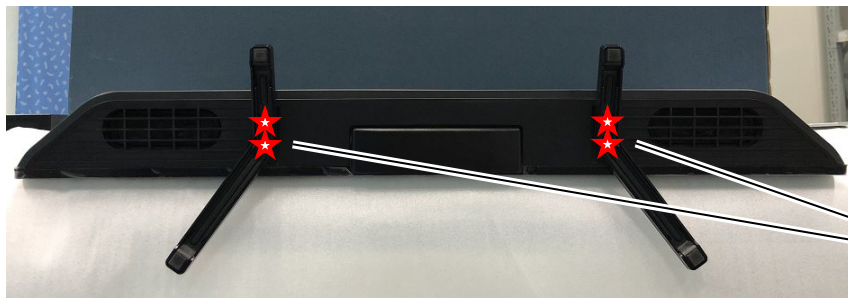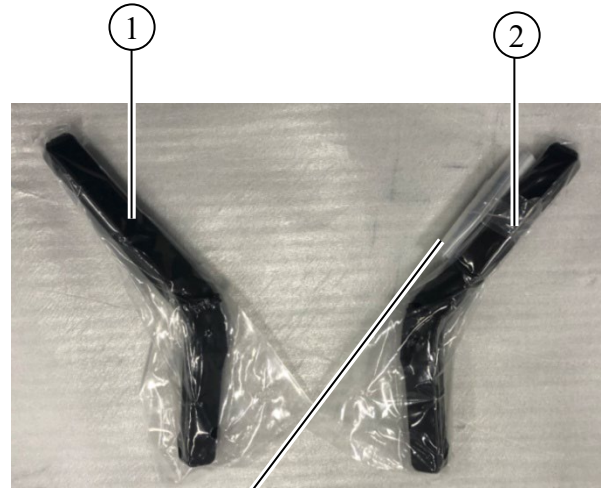> The components identified by mark ⚿ contain confidential information. Strictly follow the instructions whenever the components are repaired and/or replaced.

KD-32W830K (UC2),KD-55X75K(LA1/UC2), KD-65X75K(LA1/UC2)

SYS SET

1-1. KD-32W830K

1-1-1. STAND BLOCK

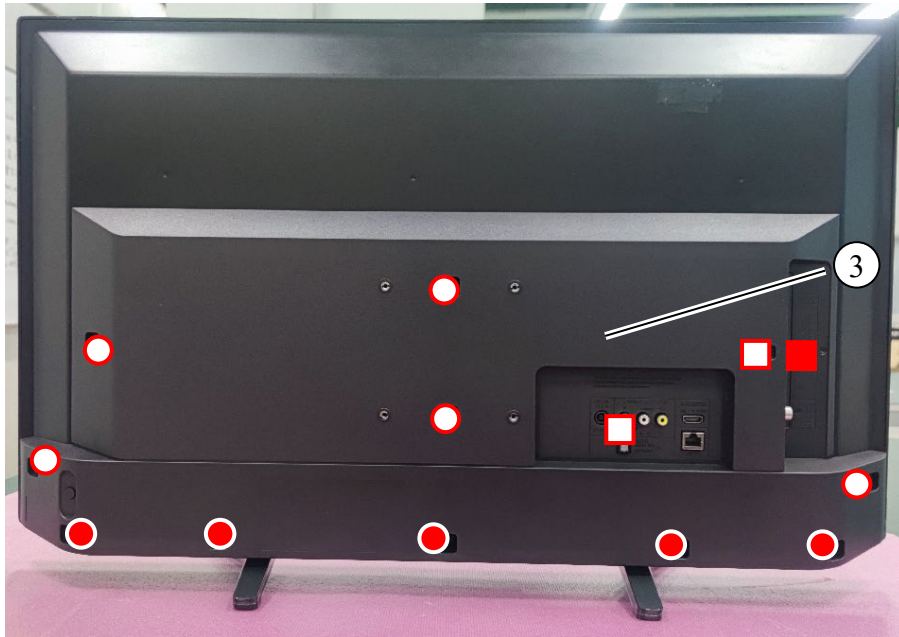| REF.NO.	PART NO.	DESCRIPTION	REMARK
1	A5016968A	ASSY, STAND R 32	
2	A5016967A	ASSY, STAND L 32	

ASSY, SCREW FOR STAND (IN ASSY,STAND L 32)

1-1. KD-32W830K

1-1-2. REAR COVER/ KEY PAD/ AC ADAPTOR

REF.NO.	PART NO.	DESCRIPTION	REMARK
⚠ 3	A5030237A	ASSY, COVER REAR (APA 32)	
4	101172711	MOUNTED PWB KEYPAD 32	
5	502826601	KEY BUTTON (APA 32)	
6	101173811	CONNECTOR ASSY 6P (MB-KEYPAD)	
⚠ 7	149348221	AC ADAPTOR 60W (ACDP-060D01)	Main (UC2)
	149349122	AC ADAPTOR (85W)	Optional (UC2)
⚠ 8	184987611	POWER-SUPPLY CORD SET	UC2
○	472997801	SCREW, +PSW M3X8, W8, BLK	5pcs
□	768564679	SCREW +BVTP 3X8 TYPE2 IT-3	4pcs
●	258063901	SCREW, +BVTP 4X12 TYPE2 IT-3	5pcs
■	501592901	SCREW, P M3*6	1pcs

US 2PIN
(UC2)

*VESA Bracket were assembled by supplier.

1-1. KD-32W830K

1-1-3. OVERALL
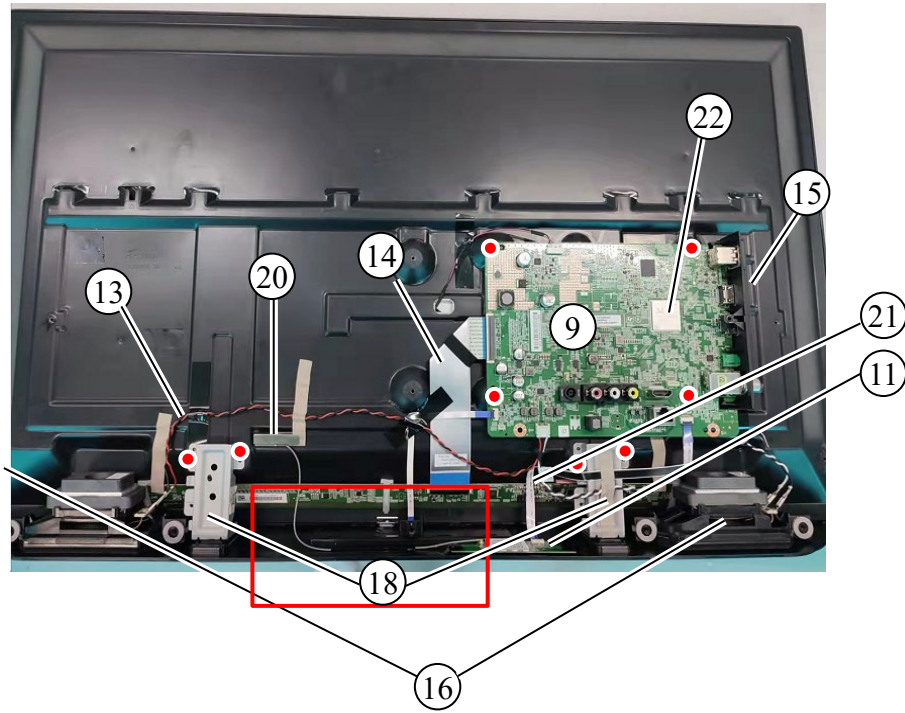
REF.NO.	PART NO.	DESCRIPTION	REMARK
9	A5045698A	MOUNTED PWB A (MB) 32 NA	UC2
10	101172611	MOUNTED PWB H (IR) 32	
11	101505911	MOUNTED PWB WIFI WBUR56	
12	101173711	CONNECTOR ASSY 8P (MB-IR)	
13	101174411	CONNECTOR ASSY 4P (MB-SP)	
14	101173411	LVDS CABLE 30P FFC	
⚠ 15	A5016966A	ASSY, COVER SIDE IO 32/43	
16	185930311	LOUDSPEAKER (12W)	
17	A5030238A	ASSY, ORNAMENTAL PANEL (APA 32	
18	501591601	FRAME BOTTOM 32	2pcs
19	501592301	LIGHT GUIDE 32/43	
20	101175211	BLUETOOTH ANTENNA 32	
21	101174111	CONNECTOR ASSY 10P (MB-WIFI)	
22	502905101	THERMAL PAD 18X18	Under SoC B-side
🔴	299042141	SCREW (+PSW) (M3X6)	8pcs
☀	501592801	SCREW, F T3X6	1pcs

SYS SET

1-1. KD-32W830K

1-1-3. OVERALL_MOUNTED PWB A

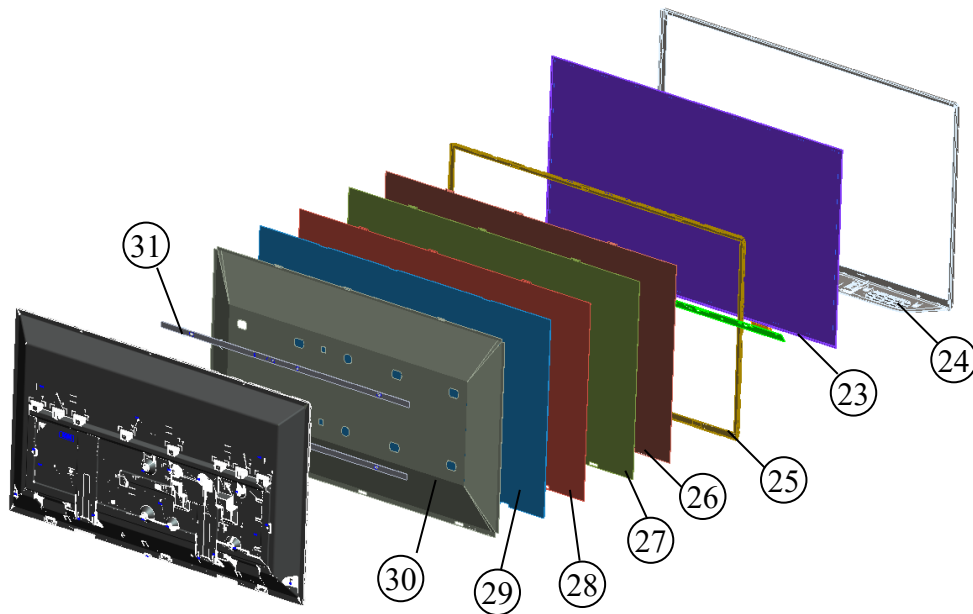| REF.NO.	PART NO.	DESCRIPTION	REMARK
9-1	690200601	IC RTD2873ASS	U1 SoC
9-2	690200801	IC EMMC, H26M51002KPR	U952 EMMC
9-3	690200901	IC EMMC, KLMAG1JETD-B041	U952 EMMC
9-4	690201001	IC AOZ2151EQI-30	U202 Regulator
9-5	690201101	IC AOZ2152PQI-04	U201 Regulator
9-6	690201201	IC AOZ2253TQI-20	U4 Regulator
9-7	690201301	IC AOZ2253TQI-11	U203 Regulator
9-8	690201401	IC APW7408BI-TRG	U209 Regulator
9-9	690201501	IC APW8827ACI-TRG	U205 Regulator
9-10	690201601	IC BD9424MWV-E2	U2 LED Driver
9-11	690201701	IC FP6861C-E1AS5CTR	U954 U955 Switch

REF.NO.	PART NO.	DESCRIPTION	REMARK
9-12	690200701	IC JW5060TTSOTC#TRPBF	U204 Regulator
9-13	690201801	IC FP6183-18X7	U211/U215 Regulator
9-14	690202001	IC RP114K331D-TRB	U212 Regulator
9-15	690202101	IC RT9119GQV	U802 Audio Amp
9-16	690202201	IC PST8628UL	U216 Regulator
9-17	671819401	IC TPA6138A2PWR	U801 Audio Line
9-18	690202301	IC STM8SP103F2MILTR	U1100 MCU
9-19-1	859442700	SILICON TUNER SUT-RA341ZN	TM701 Tuner UC2
9-19-2	859442810	SILICON TUNER SUT-RA351ZN(10)	TM701 Tuner UC2

KD-32W830K (UC2)

1-1. KD-32W830K

1-1-4. LCM Explode View

REF.NO	PART.NO.	DESCRIPTION	REMARK
23	-	LIQUID CRYSTAL ELEMENT(B32WHB)	
	181220022	LIQUID CRYSTAL ELEMENT(B32WHB)	
	-	LIQUID CRYSTAL ELEMENT(B32WHB)	
⚠ 24	A5033708A	ASSY, BEZEL FRONT	
25	A5030240A	MIDDLE CHASSIS ASSY	
26	502827501	DIFFUSER SHEET	
27	502827601	PRISM SHEET 0	
28	502827701	PRISM SHEET 90	
29	501590101	DIFFUSER PLATE	
30	502827401	REFLECTOR SHEET	
31	101173011	LS BAR, LEXTAR LB3209L.0 (32)	

1-1. KD-32W830K

DISASSEMBLY AND PARTS LIST

1-1-4. LCM

REF.NO.	PART No.	DESCRIPTION	REMARK
⚠ -	A5045709A	LCM ASSY (SD320DBA-5)	UC2
23	181220021	LIQUID CRYSTAL ELEMENT(B32WHB)	
	181220022	LIQUID CRYSTAL ELEMENT(B32WHB)	
	181220031	LIQUID CRYSTAL ELEMENT(B32WHB)	
⚠ 24	A5033708A	ASSY, BEZEL FRONT	
●	501590601	SCREW M2.5L4	
○	501590501	THERMAL TAPE 40X20	Can not reuse
○	501783901	LIGHT COVER TAPE	Can not reuse

1-1-4. LCM (W/O BEZEL)

1-1. KD-32W830K

1-1-4. LCM

REF.NO.	PART No.	DESCRIPTION	REMARK
25	A5030240A	MIDDLE CHASSIS ASSY	
26	502827501	DIFFUSER SHEET	Can not reuse
27	502827601	PRISM SHEET 0	Can not reuse
28	502827701	PRISM SHEET 90	Can not reuse
29	501590101	DIFFUSER PLATE	
30	502827401	REFLECTOR SHEET	
31	101173011	LS BAR, LEXTAR LB3209L.0 (32)	Can not reuse
32	101174711	CONNECTOR ASSY (LS BAR WIRE)32	
⭕	501783801	LB SCREW M2.5L1.5	Can not reuse
🔵	501590801	LB CABLE FIXED TAPE	Can not reuse

1-1. KD-32W830K

1-1-5. PACKAGE

Front View

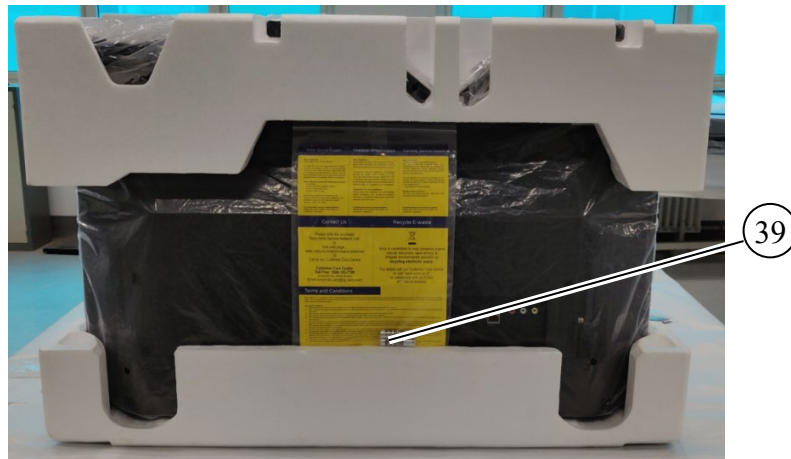| REF.NO.	PART DESCRIPTION	REMARK
33	CUSHION UPPER 32	Not supplied
34	CUSHION LOWER 32	Not supplied
35	STARTUP GUIDE 1 (SG) 2K UCM	Not supplied
36	BAG, PROTECTION TV, 32 NA	Not supplied
37	CARTON, INDIVIDUAL (2S)	Not supplied

ASSESSORY BAG

Back View

KD-32W830K (UC2)

1-1. KD-32W830K

1-1-6. Others

REF.NO.	PART NO.	DESCRIPTION	REMARK
38	100995211	REMOTE COMMANDER (RMF-TX520U)	UC2
⚠39	-	ALKALINE MANGANESE BATTERY	In Accessory Bag. Not supplied

1-2. KD-55X75K

1-2-1. STAND BLOCK

REF.NO.	PART NO.	DESCRIPTION	REMARK
1	504108301	ASSY STAND(L-1)(55)	
2	504108401	ASSY STAND(R-2)(55)	
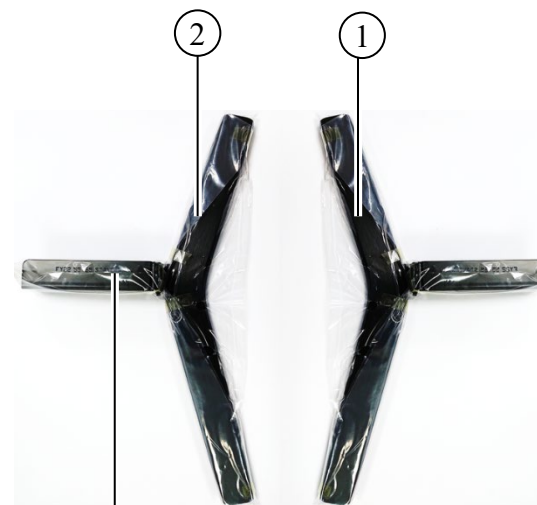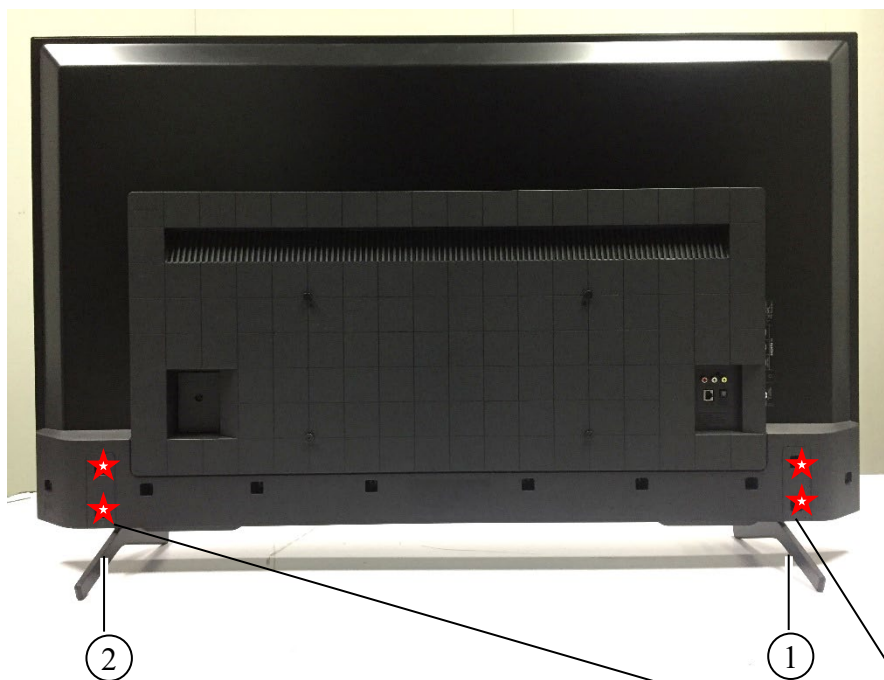
ASSY, SCREW FOR STAND (IN ASSY STAND(L-1)(55))

# 1-2. KD-55X75K

1-2-2. REAR COVER/ SPEAKER/ AC ADAPTOR
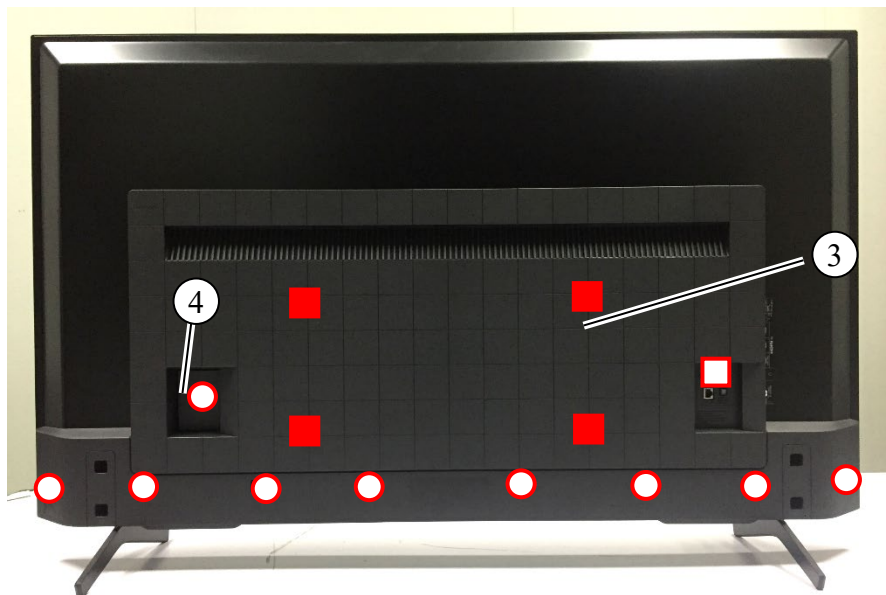
REF.NO.	PART NO.	DESCRIPTION	REMARK
⚠ 3	504108201	ASSY, REAR COVER (55)	
4	504109501	AC COVER (55&65)	
5	101513911	LOUDSPEAKER 12W(55)	
6	101514711	WH AIR TERMINAL TO SPK 4PIN 55	
⚠ 7	100562911	C7L AC POWER CORD SETS (US)	UC2/LA1
○	472997801	SCREW, +PSW M3X8, W8, BLK	9pcs
☐	768564679	SCREW +BVTP 3X8 TYPE2 IT-3	1pcs
■	-	SCREW, M6*12	4pcs, Not supplied
●	504155401	SCREW,+BVTP T4*14 W14	4pcs

US 2PIN
(UC2/LA1)
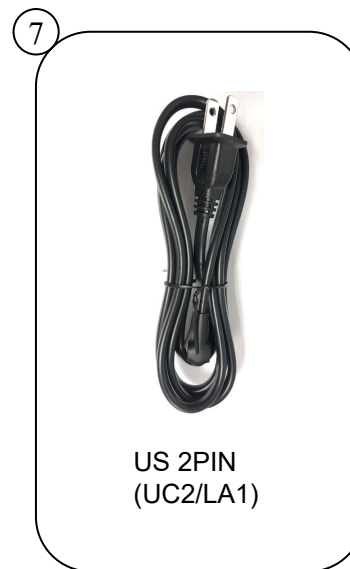
1-2. KD-55X75K

1-2-3. OVERALL
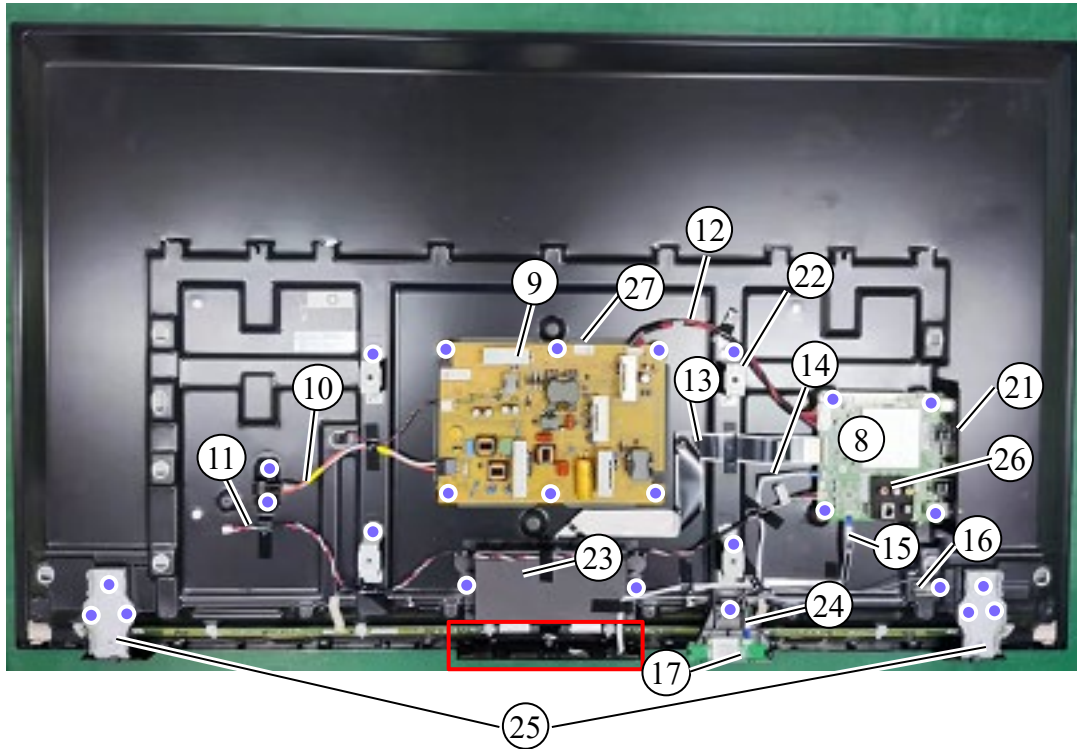
REF.NO.	PART NO.	DESCRIPTION	REMARK
8	A5046315A	MOUNTED PWB A UC BOARD(55/65)	UC2/LA1
⚠ 9	101513811	POWER SUPPLY 55(FSP155-1FS01)	
⚠ 10	101514811	AC INLET,180mm	
11	101514611	WH MB TO AIR TERMINAL 4PIN 55	
12	101514511	WH MB TO PSU 14PIN 55	
13	101514211	FFC MB TO PANEL 51PIN VBO(55)	
14	101514311	FFC MB TO IR-LED 8PIN(55)	
15	101514411	FFC MB TO WIFI MODULE 10PIN 55	
16	101514111	BLUETOOTH ANTENNA(55)	
17	101505911	MOUNTED PWB WIFI WBUR56	
18	101514011	MOUNTED PWB H(IR)(55/65)	
19	504109201	ASSY ORNAMENTAL PANEL (55&65)	
20	502832401	LIGHT GUIDE 43/50	
⚠ 21	504109101	ASSY SIDE I/O COVER (55&65)	
22	-	VESA BKT (55&65)	4PCS, Not supplied
23	504109401	T-CON COVER (55&65)	
24	504109301	WIFI HOLDER (55&65)	
25	-	BOTTOM FRAME (55&65)	2PCS, Not supplied
26	504155501	REAR I/O MYLAR(55/65)	
⚠ 27	504154001	PSU MYLAR(55/65)	
●	299042141	SCREW (+PSW) (M3X6)	26pcs

Include key button

1-2. KD-55X75K

1-2-3. OVERALL_MOUNTED PWB A

REF.NO.	PART NO.	DESCRIPTION	REMARK
8-1	690202401	IC RTD2873ASR	U401 SoC
8-2	-	IC STM8SP103F2MILTR	U301 MCU
8-3	-	IC EMMC, KLMAG1JETD-B041	U500 EMMC
8-4	-	IC AOZ2253TQI-11	U204 Regulator
8-5	671819401	IC TPA6138A2PWR	U801 Audio Line
8-6	-	IC JW7115S-1SOTA#TRPBF	U951/U952/U953/U954 Switch
8-7	-	IC JW5060TTSOTC#TRPBF	U203
8-8	-	IC MP1601NGTF-C734-Z	U211
8-9	-	IC MP1605GTF-C696-Z	U206

REF.NO.	PART NO.	DESCRIPTION	REMARK
8-10	-	IC MP2330GTL-C814-Z	U201,U202,U205 Regulator
8-11	-	IC RP114K251D-TRB	U207 Regulator
8-12	-	IC PST8628UL	U210 Regulator
8-13	-	IC FP6183-18X7	U208 U209 Regulator
8-14	-	IC RT9119GQV	U802 Audio Amp
8-15	-	SILICON TUNER SUT-RA341ZN	TM701 Tuner UC2
8-16	-	SILICON TUNER SUT-RA351ZN	TM701 Tuner UC2
8-17	-	HEATSINK2 TYX-FSK-0204	Between U401 and HS
8-18	-	HEATSINK THERMAL PAD,25*25*0.5	Heat Sink

1-2. KD-55X75K

1-2-4. LCM Explode View

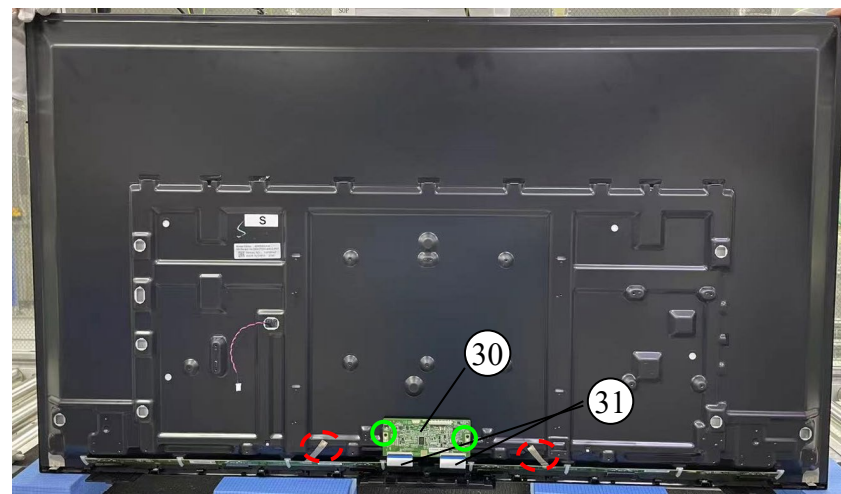| REF.NO	PART.NO.	DESCRIPTION
28	101413611	LIQUID CRYSTAL ELEMENT (LG_LC550EQQ-SQA1)
⚠ 29	504108101	ASSY, BEZEL FRONT(55)
30	101413711	MOUNTED PWB E-T-CON (LG_LC550EQQ-SQA1-T)
31	101516211	T-CON FFC 60PIN(LG)
32	504152701	MIDDLE CHASSIS ASSY_TOP_L(55)
33	504152801	MIDDLE CHASSIS ASSY_TOP_R(55)
34	504152901	MIDDLE CHASSIS ASSY_BTM_L(55)
35	504153001	MIDDLE CHASSIS ASSY_BTM_R(55)
36	504153101	MIDDLE CHASSIS ASSY_LEFT(55)
37	504153201	MIDDLE CHASSIS ASSY_RIGHT(55)
38	504153301	MOP SHEET(55)
39	504153501	DIFFUSER PLATE(55)
40	504153401	REFLECTION SHEET(55)
41	101516111	LS BAR, LEXTAR LB5009Q.0 (55)

1-2. KD-55X75K

DISASSEMBLY AND PARTS LIST

1-2-4. LCM
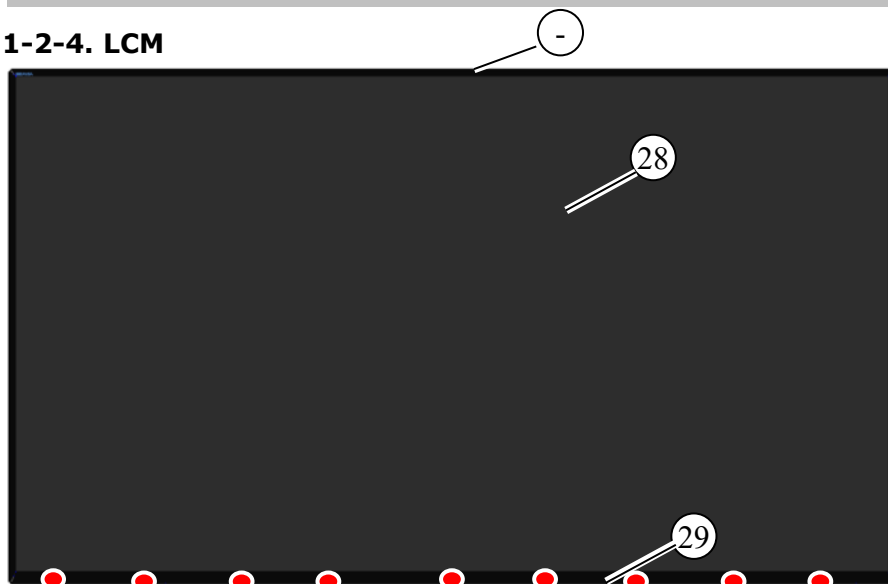
REF.NO.	PART NO.	DESCRIPTION	REMARK
⚠ -	A5046335A	LCM ASSY(SD550DUA-6*)	
28	101413611	LIQUID CRYSTAL ELEMENT (LG_LC550EQQ-SQA1)	
⚠ 29	504108101	ASSY, BEZEL FRONT(55)	
30	101413711	MOUNTED PWB E-T-CON (LG_LC550EQQ-SQA1-T)	
31	101516211	T-CON FFC 60PIN(LG)	
⚪(red dash)	504153901	EMI TAPE_A(55)	Can not reuse
●	501590601	SCREW M2.5L4	
⚪(red)	504153701	THERMAL TAPE (55)	Can not reuse
⚪(blue)	504153601	FILM COVER TAPE B(55/65)	Can not reuse
⚪(green)	299042141	SCREW (+PSW) (M3X6)	

1-5-4. LCM (W/O BEZEL)
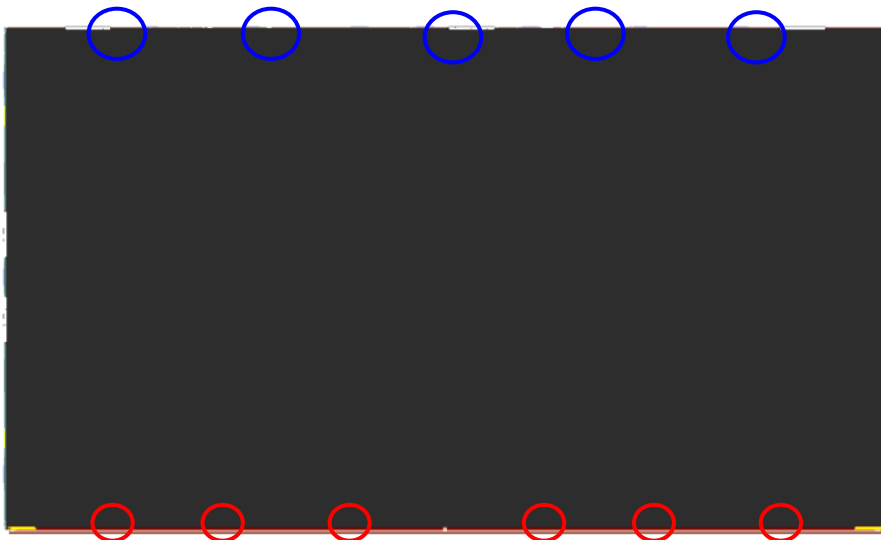
1-5-4. LCM (Back view)

1-2. KD-55X75K

1-2-4. LCM

REF.NO.	PART No.	DESCRIPTION	REMARK
32	504152701	MIDDLE CHASSIS ASSY_TOP_L(55)	
33	504152801	MIDDLE CHASSIS ASSY_TOP_R(55)	
34	504152901	MIDDLE CHASSIS ASSY_BTM_L(55)	
35	504153001	MIDDLE CHASSIS ASSY_BTM_R(55)	
36	504153101	MIDDLE CHASSIS ASSY_LEFT(55)	
37	504153201	MIDDLE CHASSIS ASSY_RIGHT(55)	
38	504153301	MOP SHEET(55)	Can not reuse
39	504153501	DIFFUSER PLATE(55)	
40	504153401	REFLECTION SHEET(55)	
41	101516111	LS BAR, LEXTAR LB5009Q.0 (55)	Can not reuse
42	101516311	LB CABLE(55)	
⭕ (red)	502832001	LB CABLE HOLE TAPE (43/50)	Can not reuse
⭕ (blue)	502831901	LB CABLE FIXED TAPE (43/50)	Can not reuse
⭕ (light blue)	504163901	FIXED_TAPE_B(65)	Can not reuse

1-2. KD-55X75K

1-2-5. PACKAGE

Front View

REF.NO.	PART NO.	DESCRIPTION	REMARK
44	-	CUSHION,UPPER(55)	Not supplied
45	-	CUSHION,SIDE(55)	Not supplied
46	-	CUSHION,LOWER(55)	Not supplied
47	504064701	REFERENCE GUIDE 4K LA1	
	504064601	REFERENCE GUIDE 4K UC2	
	503816201	STARTUP GUIDE 1(SG)4K UCM	
48	-	PROTECTION,BAG(1500X980mm)55NA	Not supplied
49	-	CARTON,TRAY(55)	Not supplied
50	-	CARTON, INDIVIDUAL (L PHN)	Not supplied

ASSESSORY BAG

Back View

KD-55X75K(LA1/UC2)

27

1-2. KD-55X75K

1-2-6. Others

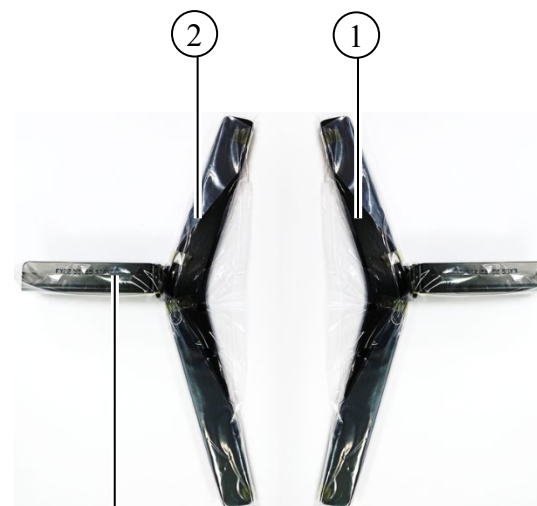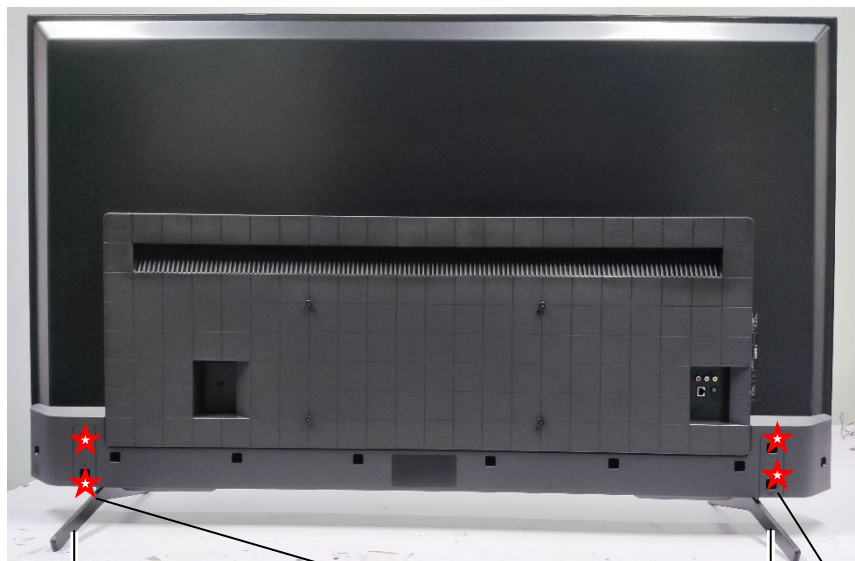| REF.NO.	PART NO.	DESCRIPTION	REMARK
51	100995211	REMOTE COMMANDER (RMF-TX520U)	UC2/LA1
⚠ 52	-	ALKALINE MANGANESE BATTERY	In Accessory Bag, Not supplied
53	504156401	CLAMPER ASSY	In Accessory Bag.

1-3. KD-65X75K

1-3-1. STAND BLOCK

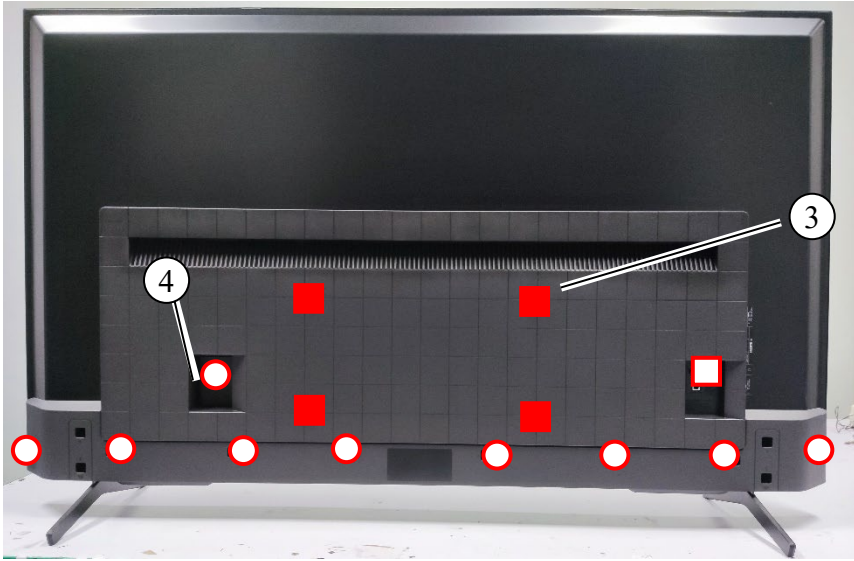| REF.NO.	PART NO.	DESCRIPTION	REMARK
1	504108801	ASSY STAND(L-1)(65)	
2	504108701	ASSY STAND(R-2)(65)	

ASSY, SCREW FOR STAND(IN ASSY STAND(L-1)(65))

1-3. KD-65X75K

1-3-2. REAR COVER/ SPEAKER/ AC ADAPTOR

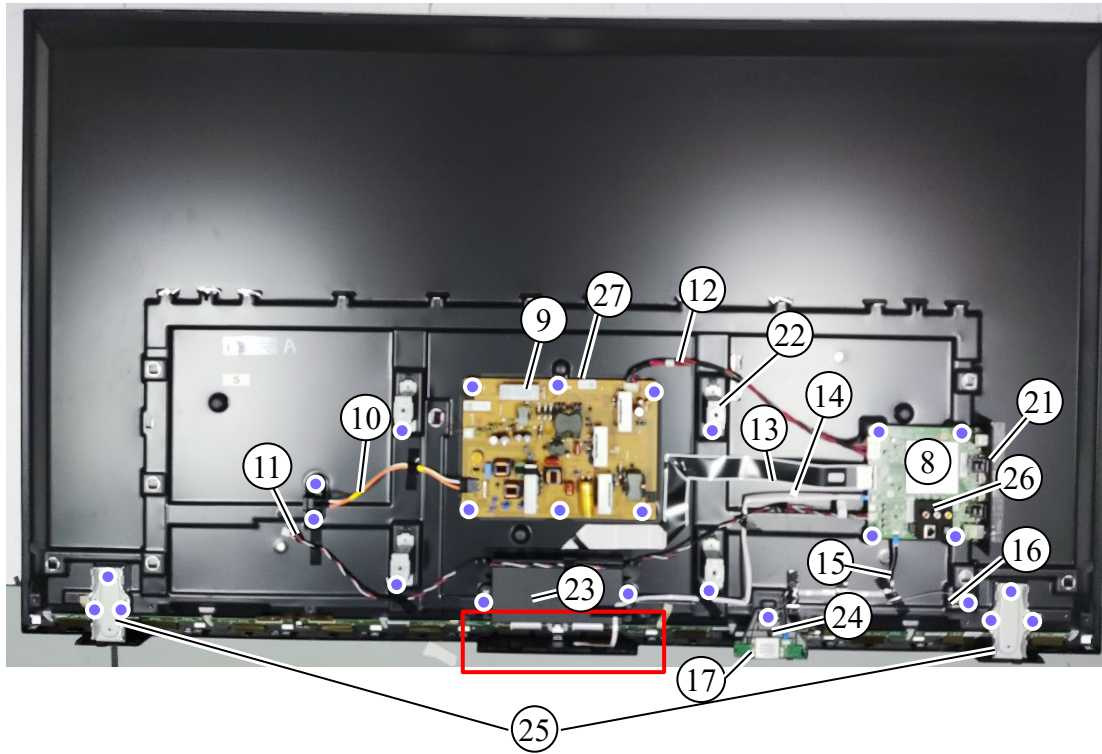| REF.NO.	PART N0.	DESCRIPTION	REMARK
⚠ 3	504108601	ASSY REAR COVER (65)	
4	504109501	AC COVER (55&65)	
5	101515211	LOUDSPEAKER 12W(65)	
6	101515911	WH AIR TERMINAL TO SPK 4PIN 65	
⚠ 7	100562911	C7L AC POWER CORD SETS (US)	UC2/LA1
○	472997801	SCREW, +PSW M3X8, W8, BLK	9pcs
□	768564679	SCREW +BVTP 3X8 TYPE2 IT-3	1pcs
■	-	SCREW, M6*12	4pcs, Not supplied
●	504155401	SCREW,+BVTP T4*14 W14	4pcs

US 2PIN
(UC2/LA1)
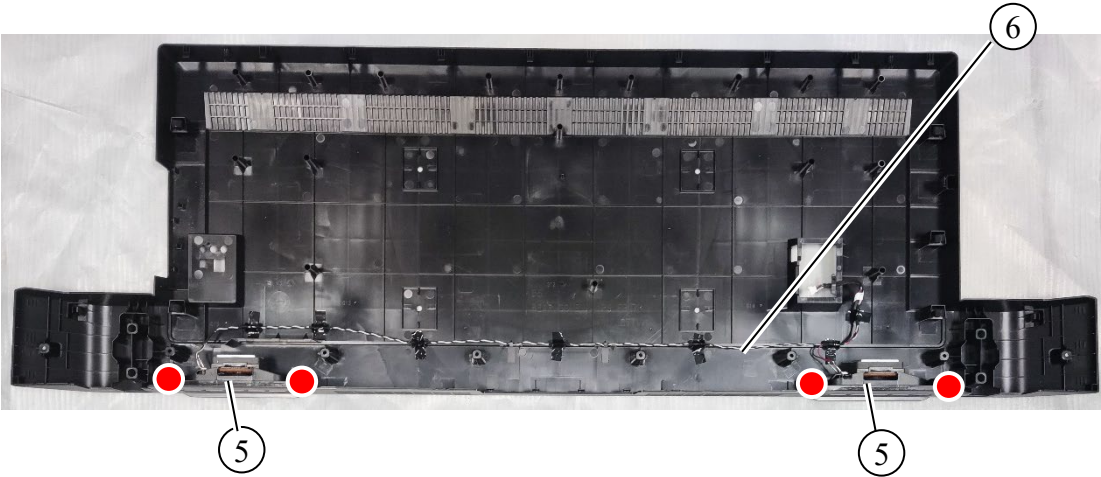
1-3. KD-65X75K

1-3-3. OVERALL

REF.NO.	PART NO.	DESCRIPTION	REMARK
8	A5046315A	MOUNTED PWB A UC BOARD(55/65)	UC2/LA1
⚠ 9	101515111	POWER SUPPLY 65(FSP172-1FS01)	
⚠ 10	101514811	AC INLET,180mm	
11	101515811	WH MB TO AIR TERMINAL 4PIN 65	
12	101515711	WH MB TO PSU 14PIN 65	
13	101515411	FFC MB TO PANEL 51PIN VBO(65)	
14	101515511	FFC MB TO IR-LED 8PIN(65)	
15	101515611	FFC MB TO WIFI MODULE 10PIN 65	
16	101515311	BLUETOOTH ANTENNA(65)	
17	101505911	MOUNTED PWB WIFI WBUR56	
18	101514011	MOUNTED PWB H(IR)(55/65)	
19	504109201	ASSY ORNAMENTAL PANEL (55&65)	
20	502832401	LIGHT GUIDE 43/50	
⚠ 21	504109101	ASSY SIDE I/O COVER (55&65)	
22	-	VESA BKT (55&65)	4PCS, Not supplied
23	504109401	T-CON COVER (55&65)	
24	504109301	WIFI HOLDER (55&65)	
25	-	BOTTOM FRAME (55&65)	2PCS, Not supplied
26	504155501	REAR I/O MYLAR(55/65)	
⚠ 27	504154001	PSU MYLAR(55/65)	
●	299042141	SCREW (+PSW) (M3X6)	26pcs

Include key button

1-3. KD-65X75K

1-3-3. OVERALL_MOUNTED PWB A

REF.NO.	PART NO.	DESCRIPTION	REMARK
8-1	690202401	IC RTD2873ASR	U401 SoC
8-2	-	IC STM8SP103F2MILTR	U301 MCU
8-3	-	IC EMMC, KLMAG1JETD-B041	U500 EMMC
8-4	-	IC AOZ2253TQI-11	U204 Regulator
8-5	671819401	IC TPA6138A2PWR	U801 Audio Line
8-6	-	IC JW7115S-1SOTA#TRPBF	U951/U952/U953/U954 Switch
8-7	-	IC JW5060TTSOTC#TRPBF	U203
8-8	-	IC MP1601NGTF-C734-Z	U211
8-9	-	IC MP1605GTF-C696-Z	U206

REF.NO.	PART NO.	DESCRIPTION	REMARK
8-10	-	IC MP2330GTL-C814-Z	U201,U202,U205 Regulator
8-11	-	IC RP114K251D-TRB	U207 Regulator
8-12	-	IC PST8628UL	U210 Regulator
8-13	-	IC FP6183-18X7	U208 U209 Regulator
8-14	-	IC RT9119GQV	U802 Audio Amp
8-15-1	-	SILICON TUNER SUT-RA351ZN	TM701 Tuner UC2
8-15-2	-	SILICON TUNER SUT-RA341ZN	TM701 Tuner UC2
8-16	-	HEATSINK2 TYX-FSK-0204	Between U401 and HS
8-17	-	HEATSINK THERMAL PAD,25*25*0.5	Heat Sink
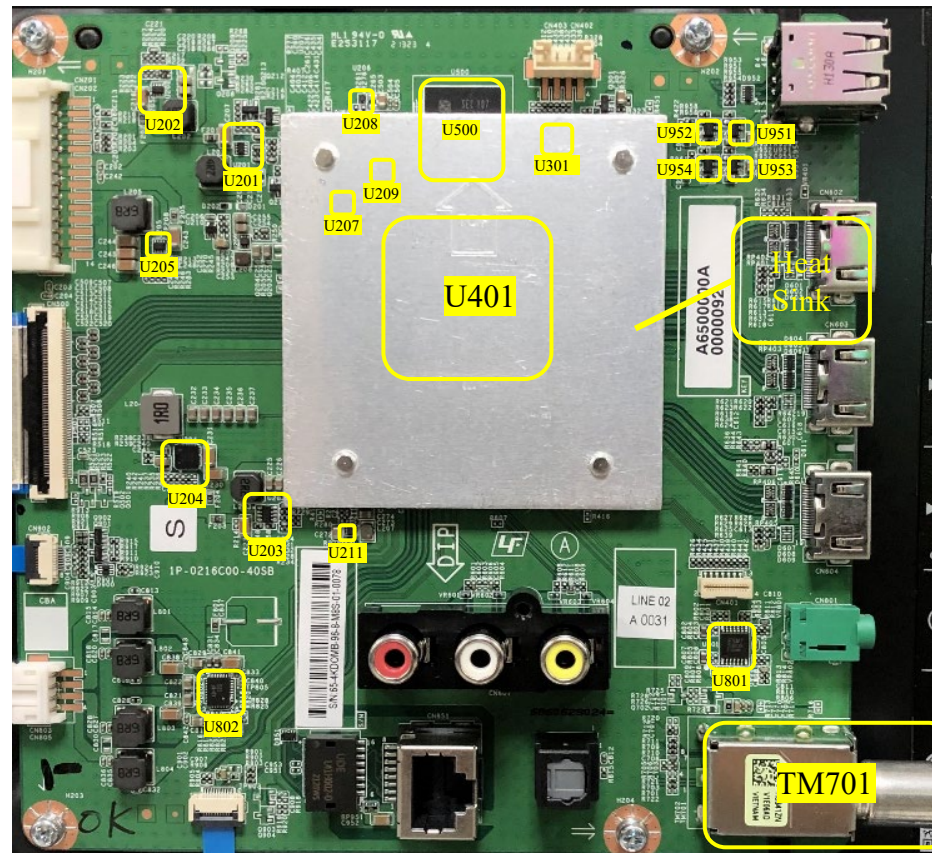
1-3. KD-65X75K

1-3-4. LCM Explode View
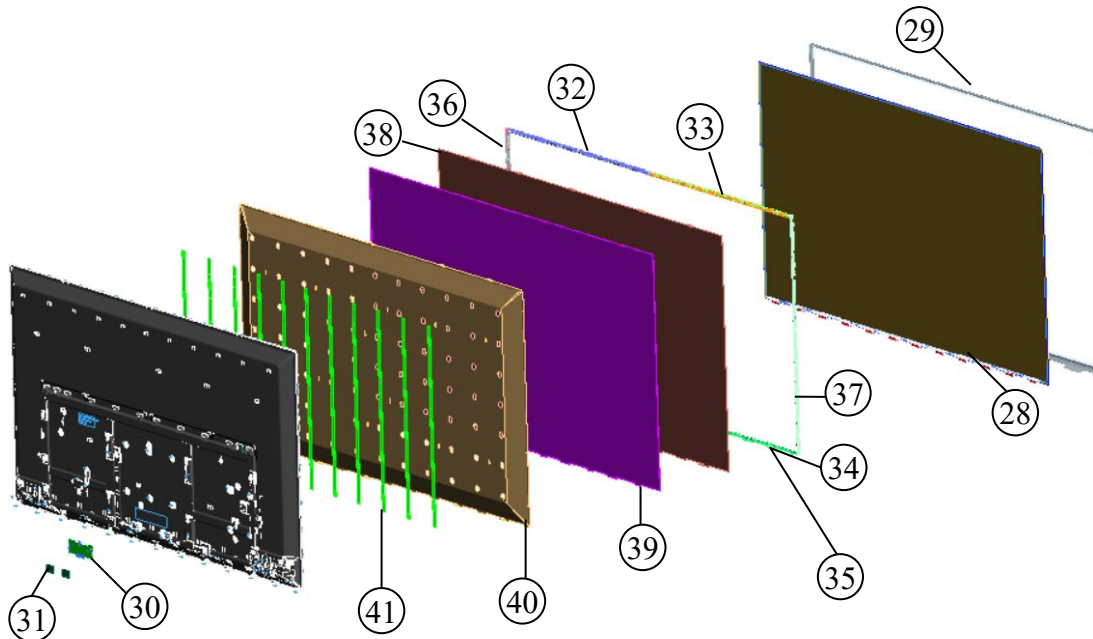
REF.NO	PART NO.	DESCRIPTION
28	100712621	LIQUID CRYSTAL ELEMENT(HV650QUB-N9L)
⚠ 29	504108501	ASSY, BEZEL FRONT(65)
30	100712721	MOUNTED PWB E-T-CON (HV650QUB-N9L)
31	101516811	T-CON FFC 68PIN(BOE)
32	504163001	MIDDLE CHASSIS ASSY_TOP_L(65)
33	504163101	MIDDLE CHASSIS ASSY_TOP_R(65)
34	504163201	MIDDLE CHASSIS ASSY_BTM_L(65)
35	504163301	MIDDLE CHASSIS ASSY_BTM_R(65)
36	504163401	MIDDLE CHASSIS ASSY_LEFT(65)
37	504163501	MIDDLE CHASSIS ASSY_RIGHT(65)
38	504163601	MOP SHEET(65)
39	504163701	DIFFUSER PLATE(65)
40	504163801	REFLECTION SHEET(65)
41	101516511	LS BAR,LEXTAR(65)

1-3. KD-65X75K

1-3-4. LCM
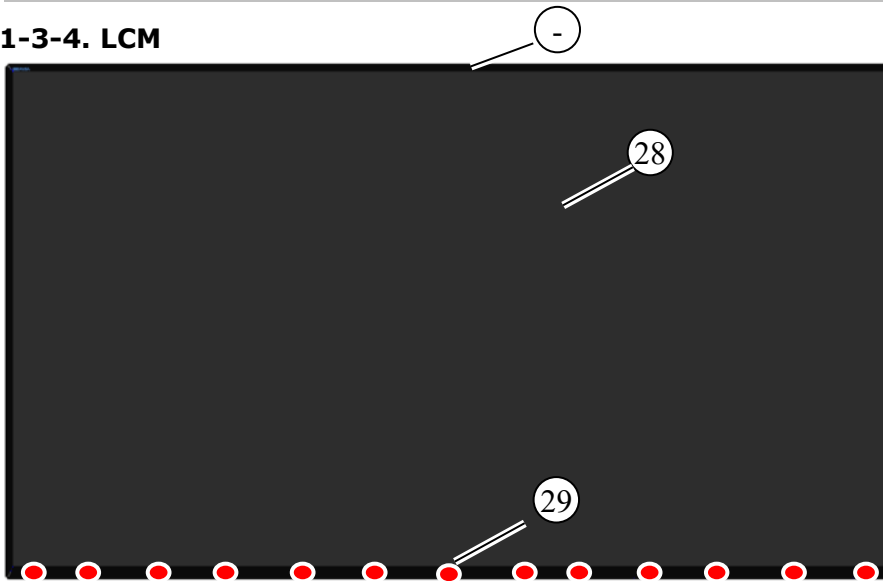
REF.NO.	PART NO.	DESCRIPTION	REMARK
⚠ -	A5046336A	LCM ASSY (SD650DUA-6*)	
28	100712621	LIQUID CRYSTAL ELEMENT(HV650QUB-N9L)	
⚠ 29	504108501	ASSY, BEZEL FRONT(65)	
30	100712721	MOUNTED PWB E-T-CON (HV650QUB-N9L)	
31	101516811	T-CON FFC 68PIN(BOE)	
●	501590601	SCREW M2.5L4	
○	502832201	THERMAL TAPE (43/50)	Can not reuse
○	504153601	FILM COVER TAPE B(55/65)	Can not reuse
⬭	504164101	RATTLE SOUND TAPE(65)	Can not reuse
⬭	504153901	EMI TAPE_A(55)	Can not reuse
●	299042141	SCREW (+PSW) (M3X6)	

1-6-4. LCM (W/O BEZEL)

KD-65X75K(LA1/UC2)

SYS SET
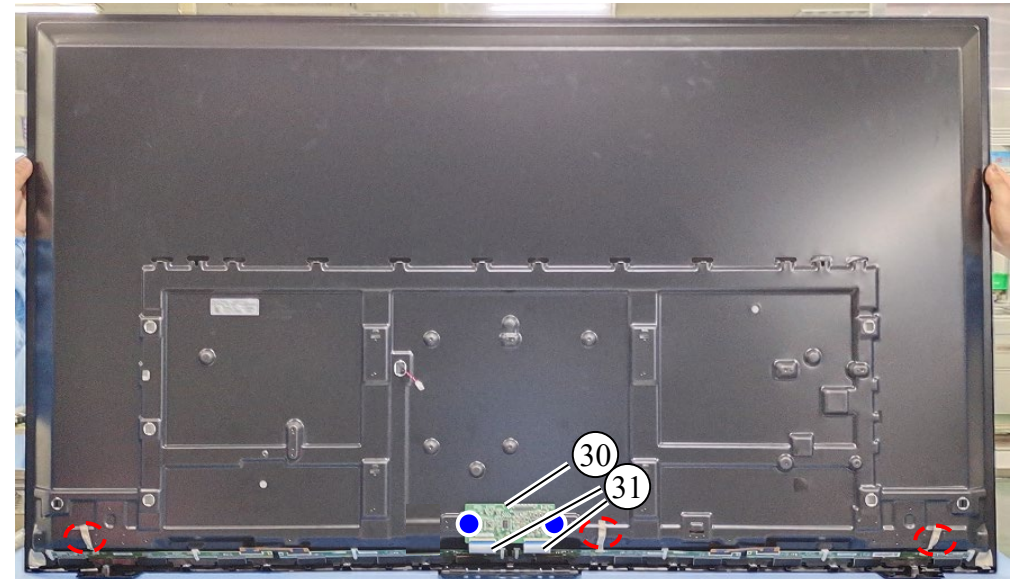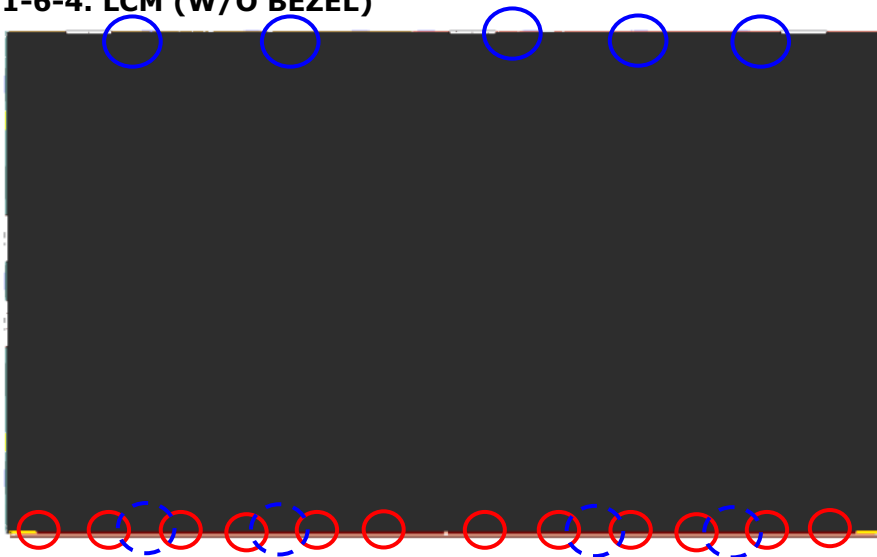
1-3. KD-65X75K

DISASSEMBLY AND PARTS LIST
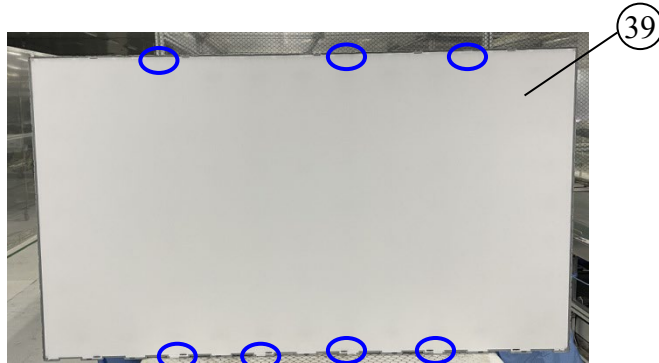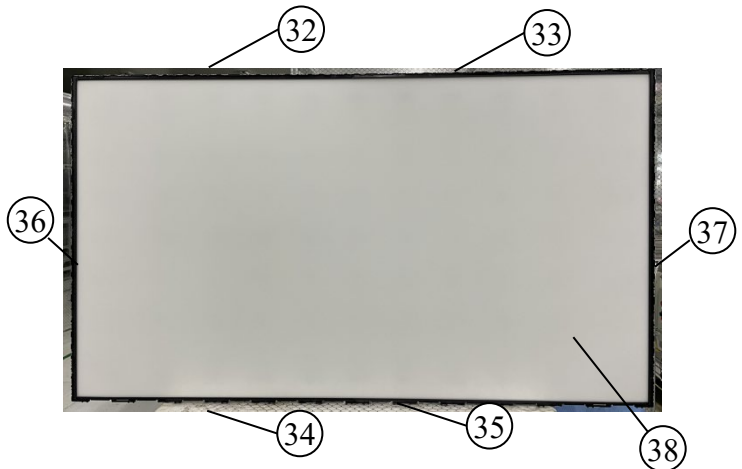
REF.NO.	PART No.	DESCRIPTION	REMARK
32	504163001	MIDDLE CHASSIS ASSY_TOP_L(65)	
33	504163101	MIDDLE CHASSIS ASSY_TOP_R(65)	
34	504163201	MIDDLE CHASSIS ASSY_BTM_L(65)	
35	504163301	MIDDLE CHASSIS ASSY_BTM_R(65)	
36	504163401	MIDDLE CHASSIS ASSY_LEFT(65)	
37	504163501	MIDDLE CHASSIS ASSY_RIGHT(65)	
38	504163601	MOP SHEET(65)	Can not reuse
39	504163701	DIFFUSER PLATE(65)	
40	504163801	REFLECTION SHEET(65)	
41	101516511	LS BAR,LEXTAR(65)	Can not reuse
42	101516411	LB CABLE(65)	
⬭ (blue)	504163901	FIXED_TAPE_B (65)	
⬭ (red)	502831901	LB CABLE FIXED TAPE (43/50)	Can not reuse
⬭ (red dashed)	502832001	LB CABLE HOLE TAPE (43/50)	Can not reuse

1-3. KD-65X75K

1-3-5. PACKAGE

Front View
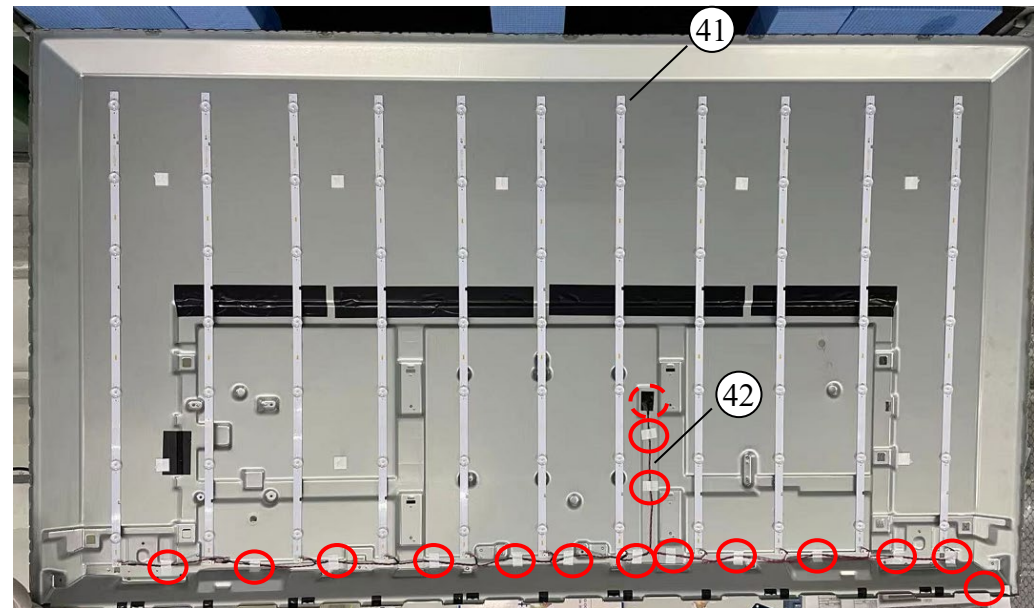
REF.NO.	PART NO.	DESCRIPTION	REMARK
43	-	CUSHION,UPPER(65)	Not supplied
44	-	CUSHION,SIDE(65)	Not supplied
45	-	CUSHION,LOWER(65)	Not supplied
46	-	CUSHION,FRONT(65)	Not supplied
47	504064701	REFERENCE GUIDE 4K LA1	
	504064601	REFERENCE GUIDE 4K UC2	
	503816201	STARTUP GUIDE 1(SG)4K UCM	
48	-	PROTECTION,BAG(1750X1100)65NA	Not supplied
49	-	CARTON,TRAY(65)	Not supplied
50	-	CARTON, INDIVIDUAL (2L PHN)	Not supplied

ASSESSORY BAG

Back View

1-3. KD-65X75K

1-3-6. Others

REF.NO.	PART NO.	DESCRIPTION	REMARK
51	100995211	REMOTE COMMANDER (RMF-TX520U)	UC2/LA1
⚠ 52	-	ALKALINE MANGANESE BATTERY	In Accessory Bag, Not supplied
53	504156401	CLAMPER ASSY	In Accessory Bag.

	O	Repair part, supply code following SPC mtg's info.
	-	Not repair part

1-4. Service Part List (1/8)

DISASSEMBLY AND PARTS LIST

Item	PART NO.	Description	KD-32W830K
1	A5016968A	ASSY, STAND R 32	O
2	A5016967A	ASSY, STAND L 32	O
⚠ 3	A5030237A	ASSY, COVER REAR (APA 32)	O
4	502826601	KEY BUTTON (APA 32)	O
⚠ 5	A5016966A	ASSY, COVER SIDE IO 32/43	O
6	A5030238A	ASSY, ORNAMENTAL PANEL (APA 32)	O
7	501591601	FRAME BOTTOM 32	O
8	501592301	LIGHT GUIDE 32/43	O
9	472997801	SCREW, +PSW M3X8, W8, BLK	O (5pcs)
10	768564679	SCREW +BVTP 3X8 TYPE2 IT-3	O (4pcs)
11	258063901	SCREW, +BVTP 4X12 TYPE2 IT-3	O (5pcs)
12	501592901	SCREW, P M3X6	O
13	299042141	SCREW (+PSW) (M3X6)	O (8pcs)
14	501592801	SCREW, F T3X6	O
15	A5045698A	MOUNTED PWB A NA (MB) 32	O (UC2/LA1 Model)
16	101172611	MOUNTED PWB H (IR) 32	O
17	101172711	MOUNTED PWB KEYPAD (32)	O
18	101505911	MOUNTED PWB WIFI WBUR56	O
19	101173811	CONNECTOR ASSY 6P (MB-KEYPAD)	O
20	101173711	CONNECTOR ASSY 8P (MB-IR)	O
21	101174411	CONNECTOR ASSY 4P (MB-SP)	O
22	101174111	CONNECTOR ASSY 10P (MB-WIFI)	O
23	101173411	LVDS CABLE 30P FFC	O
24	101175211	BLUETOOTH ANTENNA 32	O
⚠ 25	149348221	AC ADAPTOR 60W (ACDP-060D01)	O(UC2)
⚠ 26	149349122	AC ADAPTOR (85W)	O(UC2)
⚠ 27	184987611	POWER SUPPLY CORD SET	O(US 2PIN,UC2)
28	185930311	LOUDSPEAKER (12W)	O
29	100995211	REMOTE COMMANDER (RMF-TX520U)	O(UC2)
⚠ 30	A5045709A	LCM ASSY (SD320DBA-5)	O
31	181220022	LIQUID CRYSTAL ELEMENT(B32WHB)	O
⚠ 32	A5033708A	ASSY, BEZEL FRONT	O
33	501590601	SCREW M2.5L4	O
34	501590501	THERMAL TAPE 40X20	O

O	Repair part, supply code following SPC mtg's info.
-	Not repair part

1-4. Service Part List (2/8)

DISASSEMBLY AND PARTS LIST

Item	Part No.	Description	KD-32W830K
35	501783901	LIGHT COVER TAPE	O
36	A5030240A	MIDDLE CHASSIS ASSY	O
37	502827501	DIFFUSER SHEET	O
38	502827601	PRISM SHEET 0	O
39	502827701	PRISM SHEET 90	O
40	501590101	DIFFUSER PLATE	O
41	502827401	REFLECTOR SHEET	O
42	101173011	LS BAR, LEXTAR LB3209L.0 (32)	O
43	101174711	CONNECTOR ASSY (LS BAR WIRE)32	O
44	501783801	LB SCREW M2.5L1.5	O
45	501590801	LB CABLE FIXED TAPE	O
46	690201001	IC AOZ2151EQI-30	O
47	690201101	IC AOZ2152PQI-04	O
48	690201301	IC AOZ2253TQI-11	O
49	690201201	IC AOZ2253TQI-20	O
50	690201401	IC APW7408BI-TRG	O
51	690201501	IC APW8827ACI-TRG	O
52	690201601	IC BD9424MWV-E2	O
53	690200801	IC EMMC, H26M51002KPR	O
54	690200901	IC EMMC, KLMAG1JETD-B041	O
55	690201801	IC FP6183-18X7	O
56	690201701	IC FP6861C-E1AS5CTR	O
57	690200701	IC JW5060TTSOTC#TRPBF	O
58	690202201	IC PST8628UL	O
59	690202001	IC RP114K331D-TRB	O
60	690202101	IC RT9119GQV	O
61	690200601	IC RTD2873ASS	O
62	690202301	IC STM8SP103F2MILTR	O
63	671819401	IC TPA6138A2PWR	O
64	501592801	SCREW, F T3X6	O
65	501592901	SCREW, P M3*6	O
66	859442700	SILICON TUNER SUT-RA341ZN	O
67	859442810	SILICON TUNER SUT-RA351ZN(10)	O
68	502905101	THERMAL PAD 18X18	O

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	O	Repair part, supply code following SPC mtg's info.
	-	Not repair part

1-4. Service Part List (3/8)

DISASSEMBLY AND PARTS LIST

Item	Part No.	Description	KD-55X75K_FBC Model	KD-65X75K_FBC Model
69	504108301	ASSY STAND(L-1)(55)	O	-
70	504108401	ASSY STAND(R-2)(55)	O	-
71	504108801	ASSY STAND(L-1)(65)	-	O
72	504108701	ASSY STAND(R-2)(65)	-	O
⚠ 73	504108201	ASSY, REAR COVER (55)	O	-
⚠ 74	504108601	ASSY, REAR COVER (65)	-	O
75	504109501	AC COVER (55&65)	O	O
76	504109201	ASSY ORNAMENTAL PANEL (55&65)	O	O
77	502832401	LIGHT GUIDE 43/50	O	O
⚠ 78	504109101	ASSY SIDE I/O COVER (55&65)	O	O
79	504109401	T-CON COVER (55&65)	O	O
80	504109301	WIFI HOLDER (55&65)	O	O
81	504155501	REAR I/O MYLAR(55/65)	O	O
⚠ 82	504154001	PSU MYLAR(55/65)	O	O
83	504155401	SCREW, +BVTP T4*14 W14	O(4)	O(4)
84	299042141	SCREW (+PSW) (M3X6)	O(26)	O(26)
85	472997801	SCREW, +PSW M3X8, W8, BLK	O(9)	O(9)
86	768564679	SCREW +BVTP 3X8 TYPE2 IT-3	O(1)	O(1)
87	501590601	SCREW M2.5L4	O(9)	O(13)
⚠ 88	A5046335A	LCM ASSY(SD550DUA-6*)	O	-
89	101413611	LIQUID CRYSTAL ELEMENT(L550EQQ	O	-
⚠ 90	504108101	ASSY, BEZEL FRONT(55)	O	-
91	101413711	MOUNTED PWB E-T-CON (LG_LC550EQQ-SQA1-T)	O	-
92	101516211	T-CON FFC 60PIN(LG)	O(2)	-
93	504152701	MIDDLE CHASSIS ASSY_TOP_L(55)	O	-
94	504152801	MIDDLE CHASSIS ASSY_TOP_R(55)	O	-
95	504152901	MIDDLE CHASSIS ASSY_BTM_L(55)	O	-
96	504153001	MIDDLE CHASSIS ASSY_BTM_R(55)	O	-
97	504153101	MIDDLE CHASSIS ASSY_LEFT(55)	O	-
98	504153201	MIDDLE CHASSIS ASSY_RIGHT(55)	O	-
99	504153301	MOP SHEET(55)	O	-

KD-55X75K(LA1/UC2), KD-65X75K(LA1/UC2)

SYS SET

O
-

Repair part, supply code following SPC mtg's info.
Not repair part

1-4. Service Part List (4/8)

DISASSEMBLY AND PARTS LIST

Item	Part No.	Description	KD-55X75K_FBC Model	KD-65X75K_FBC Model
100	504153501	DIFFUSER PLATE(55)	O	-
101	504153401	REFLECTION SHEET(55)	O	-
102	101516111	LS BAR,LEXTAR(55)	O(10)	-
103	101516311	LB CABLE(55)	O	-
⚠ 104	A5046336A	LCM ASSY(SD650DUA-6*)	-	O
105	100712621	LIQUID CRYSTAL ELEMENT(B650QUB	-	O
⚠ 106	504108501	ASSY, BEZEL FRONT(65)	-	O
107	100712721	MOUNTED PWB E-T-CON (65)	-	O
108	101516811	T-CON FFC 68PIN(BOE)	-	O(2)
109	504163001	MIDDLE CHASSIS ASSY_TOP_L(65)	-	O
110	504163101	MIDDLE CHASSIS ASSY_TOP_R(65)	-	O
111	504163201	MIDDLE CHASSIS ASSY_BTM_L(65)	-	O
112	504163301	MIDDLE CHASSIS ASSY_BTM_R(65)	-	O
113	504163401	MIDDLE CHASSIS ASSY_LEFT(65)	-	O
114	504163501	MIDDLE CHASSIS ASSY_RIGHT(65)	-	O
115	504163601	MOP SHEET(65)	-	O
116	504163701	DIFFUSER PLATE(65)	-	O
117	504163801	REFLECTION SHEET(65)	-	O
118	101516411	LB CABLE(65)	-	O
119	101516511	LS BAR,LEXTAR(65)		O(11)
120	A5046315A	MOUNTED PWB A NA (MB) 55/65	O	O
121	101514011	MOUNTED PWB H(IR)(55/65)	O	O
122	101505911	MOUNTED PWB WIFI WBUR56	O	O
123	101514311	FFC MB TO IR-LED 8PIN(55)	O	-
124	101515511	FFC MB TO IR-LED 8PIN(65)	-	O
125	101514611	WH MB TO AIR TERMINAL 4PIN 55	O	-
126	101514711	WH AIR TERMINAL TO SPK 4PIN 55	O	-
127	101515811	WH MB TO AIR TERMINAL 4PIN 65	-	O
128	101515911	WH AIR TERMINAL TO SPK 4PIN 65	-	O
129	101514411	FFC MB TO WIFI MODULE 10PIN 55	O	-
130	101515611	FFC MB TO WIFI MODULE 10PIN 65	-	O
131	101514511	WH MB TO PSU 14PIN 55	O	-
132	101515711	WH MB TO PSU 14PIN 65	-	O
133	101514211	FFC MB TO PANEL 51PIN VBO(55)	O	-
134	101515411	FFC MB TO PANEL 51PIN VBO(65)	-	O

KD-55X75K(LA1/UC2), KD-65X75K(LA1/UC2)

SYS SET

O
-

Repair part, supply code following SPC mtg's info.
Not repair part

1-4. Service Part List (5/8)

DISASSEMBLY AND PARTS LIST

Item	Part No.	Description	KD-55X75K_FBC Model	KD-65X75K_FBC Model
135	101514111	BLUETOOTH ANTENNA APL2 55	O	-
136	101515311	BLUETOOTH ANTENNA APL2 65	-	O
⚠ 137	100562911	C7L AC POWER CORD SETS (US)	O(UC2/LA1)	O(UC2/LA1)
138	101515211	LOUDSPEAKER (12W) 55	O	-
139	101513911	LOUDSPEAKER (12W) 65	-	O
140	100995211	REMOTE COMMANDER (RMF-TX520U)	O	O
⚠ 141	101513811	POWER SUPPLY 55(FSP155-1FS01)	O	-
⚠ 142	101515111	POWER SUPPLY 65(FSP172-1FS01)	-	O
143	504064701	REFERENCE GUIDE 4K LA1	O	O
144	504064601	REFERENCE GUIDE 4K UC2	O	O
145	503816201	STARTUP GUIDE 1(SG)4K UCM	O	O
⚠ 146	101514811	AC INLET,180mm	O	O
147	504153901	EMI TAPE_A(55)	O	O
148	504153601	FILM COVER TAPE B(55/65)	O	O
149	504163901	FIXED_TAPE_B (65)	O	O
150	690202401	IC RTD2873ASR	O	O
151	671819401	IC TPA6138A2PWR	O	O
152	502831901	LB CABLE FIXED TAPE (43/50)	O	O
153	502832001	LB CABLE HOLE TAPE (43/50)	O	O
154	504164101	RATTLE SOUND TAPE(65)	-	O
155	299042141	SCREW (+PSW) (M3X6)	O	O
156	502832201	THERMAL TAPE (43/50)	-	O
157	504153701	THERMAL TAPE (55)	O	-

1-5. DISASSEMBLY OF REAR COVER AND SERVICE POSITION

DISASSEMBLY AND PARTS LIST

1-5-1. KD-32W830K

1). LAY DOWN THE SET IN A FLAT TABLE

Make sure no mess things under the front set.

2023/12/21 05:31:40 (GMT +09:00)

DISASSEMBLY AND PARTS LIST

2). UNLOCK SCREWS

	DESCRIPTION	Qty
⭕	SCREW, +PSW M3X8, W8, BLK	5 PCS
⬜	SCREW +BVTP 3X8 TYPE2 IT-3	2 PCS
⬤	SCREW, P M3X6	1 PCS
🔺	SCREW, +BVTP 4X12 TYPE2 IT-3	5 PCS

KD-32W830K (UC2)

SYS SET

3). REMOVE THE REAR COVER

Push this area by force

1.Push both side of the front bezel corner area (show as the picture) and the hook- opening voice can be heard .

2. Pull up the rear cover as picture.

Push this area by force
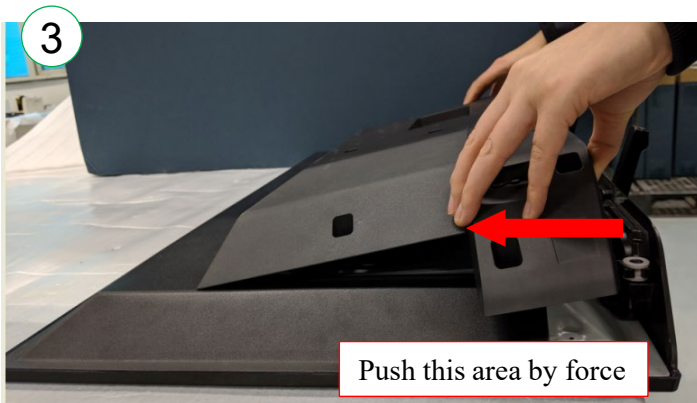
3. Push the rear cover as picture shown to release the hooks. (Be careful the keypad FFC wire)
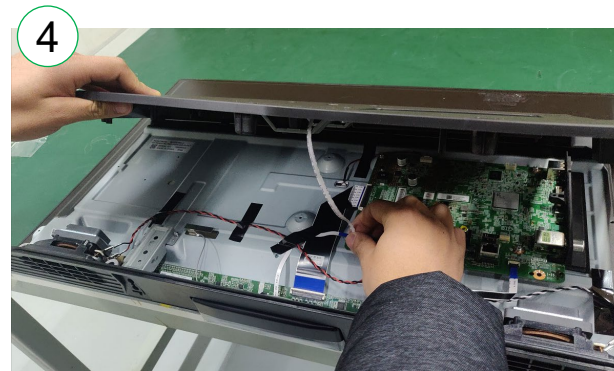
4. Flip up the rear cover as picture, remove keypad FFC wire.

5. The end.

4). SET UP THE SET

HOOK POSITION

KD-32W830K

Bezel, Front

Back Chassis
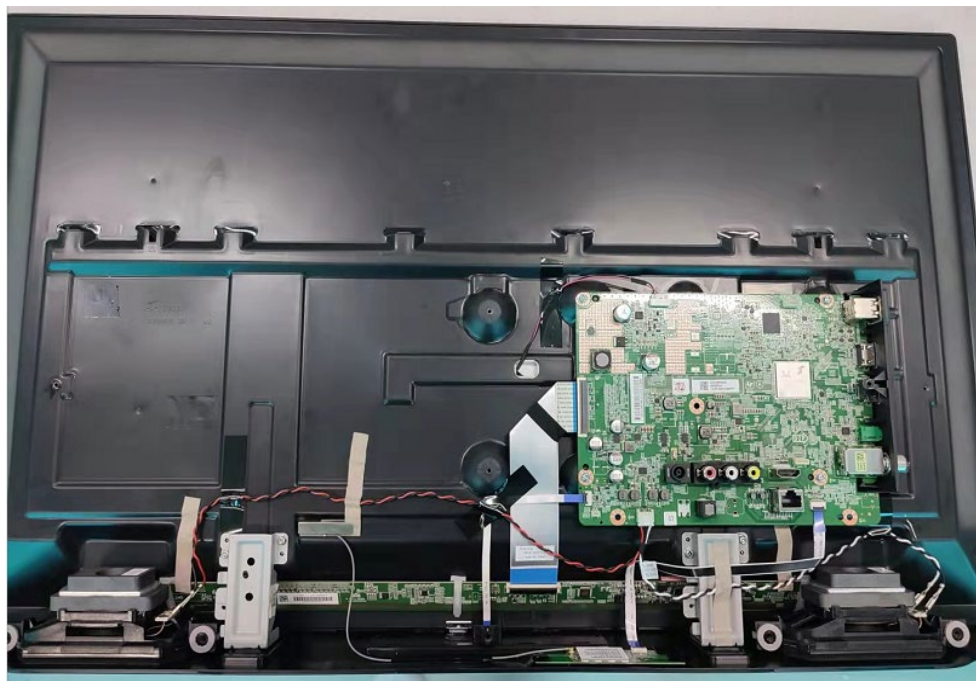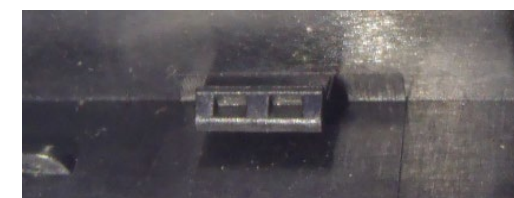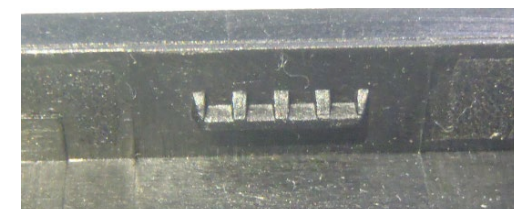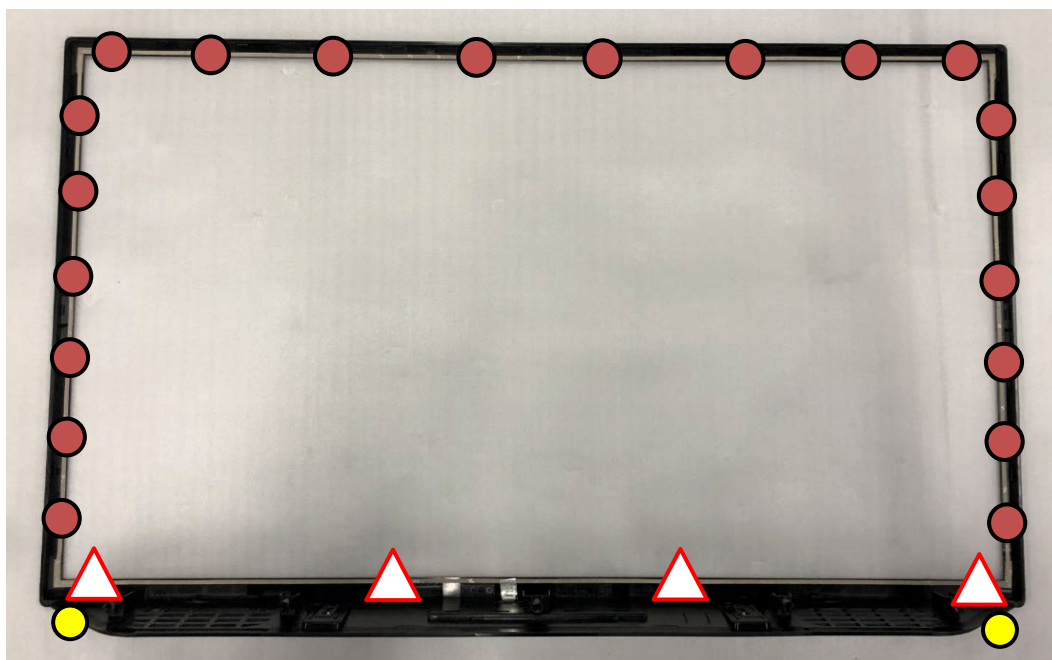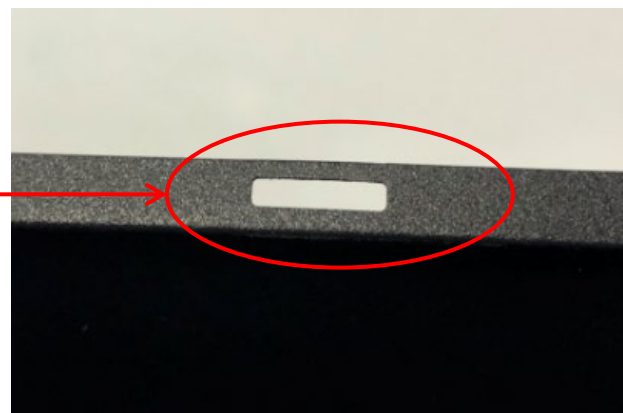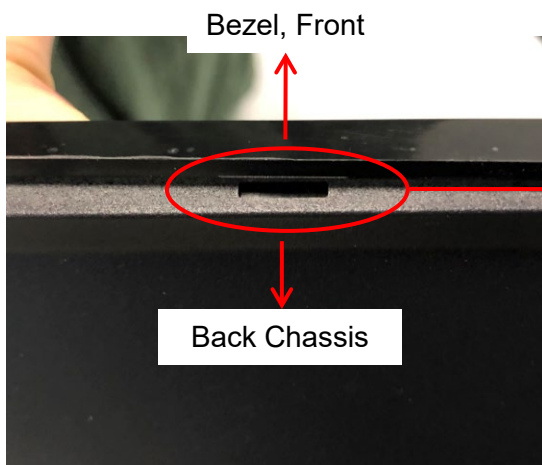
HOOK POSITION

KD-32W830K
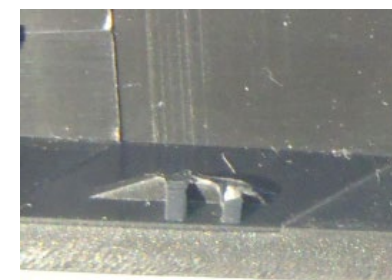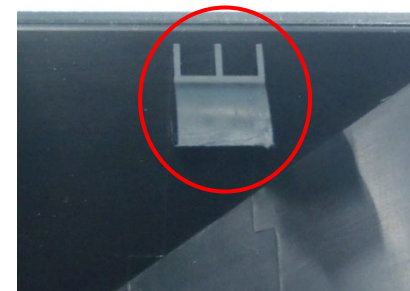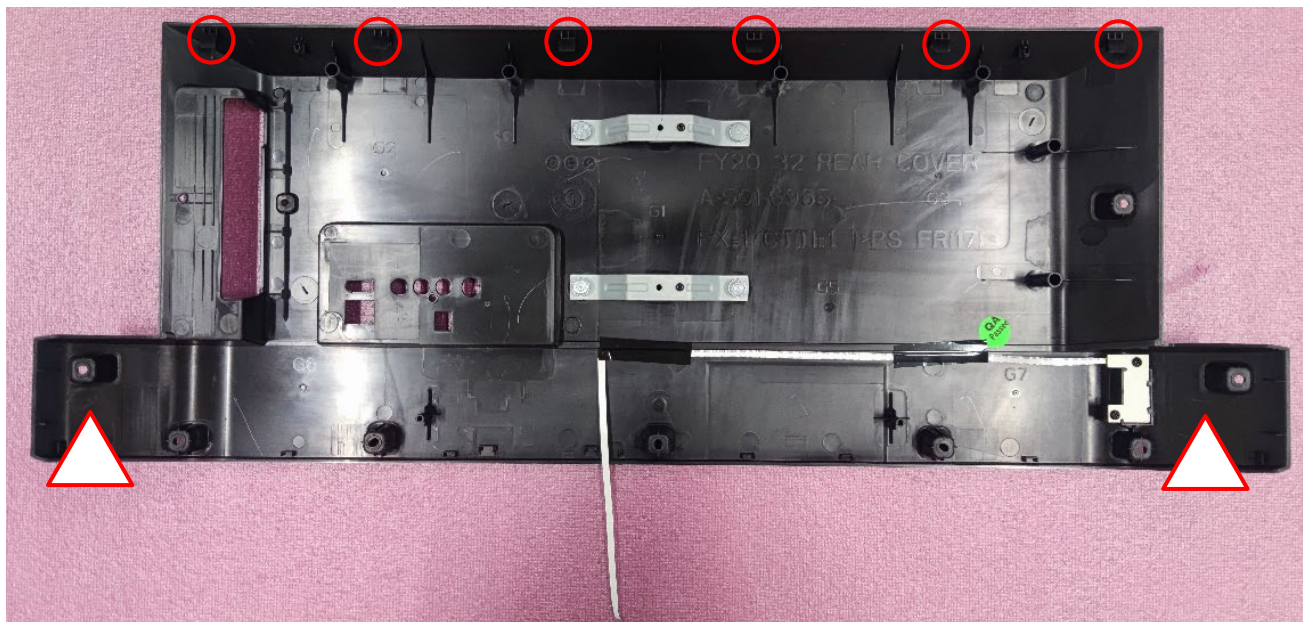
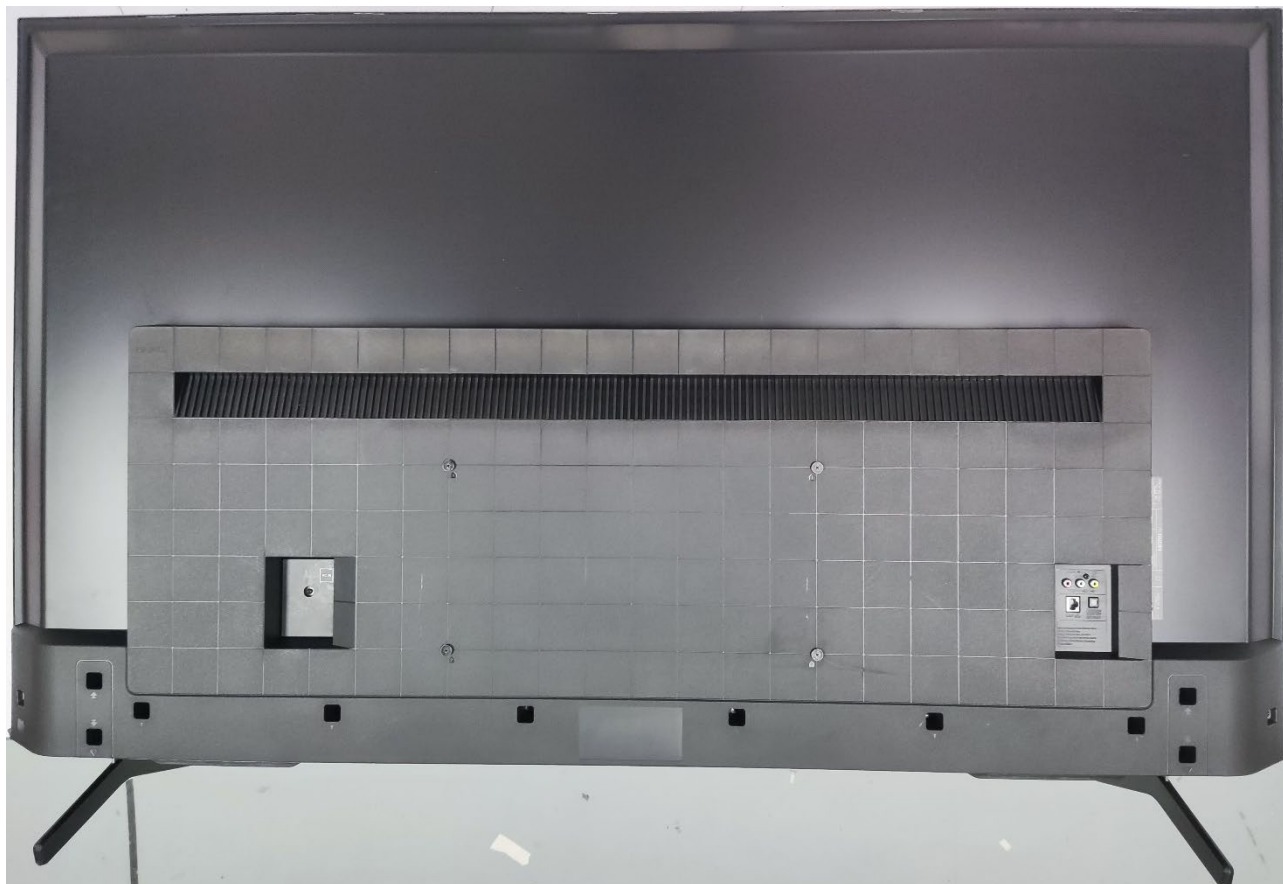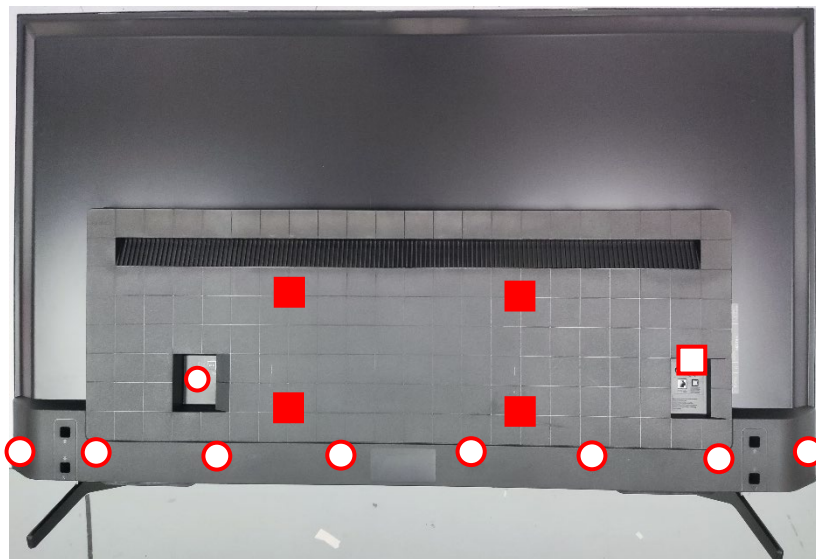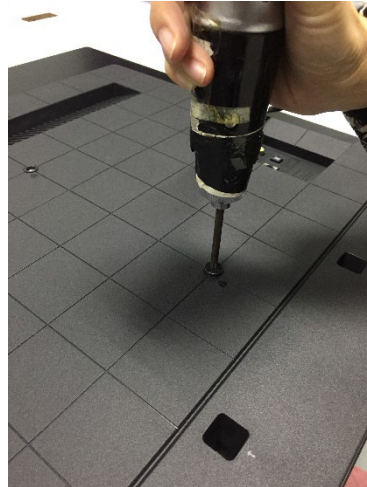# 1-5. DISASSEMBLY OF REAR COVER AND SERVICE POSITION

1-5-2. KD-55X75K

1). LAY DOWN THE SET IN A FLAT TABLE

Make sure no mess things under the front set.

2). UNLOCK SCREWS

⭕	SCREW, +PSW M3X8, W8, BLK		9pcs
⬜	SCREW +BVTP 3X8 TYPE2 IT-3		1pcs
🟥	SCREW, M6*12		4pcs

3). REMOVE THE REAR COVER

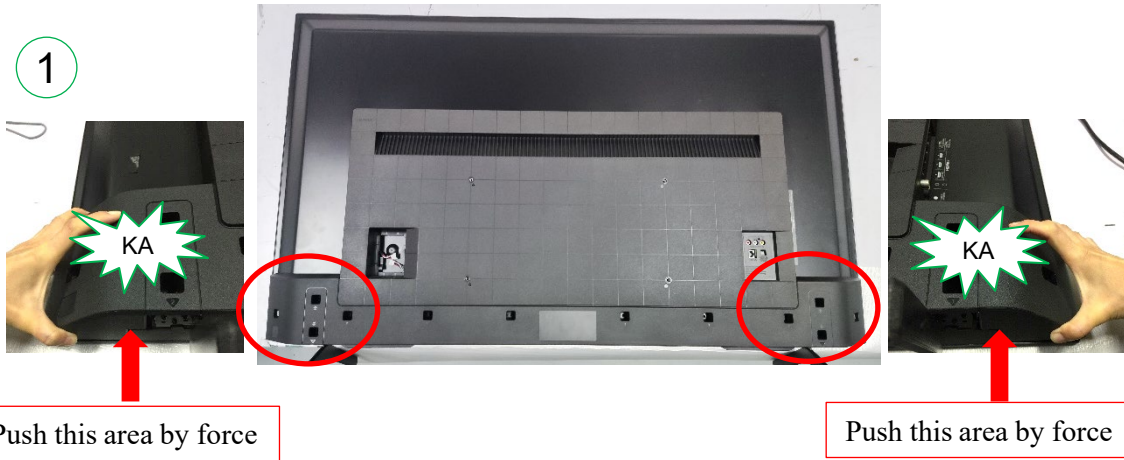
Take off the AC cover first
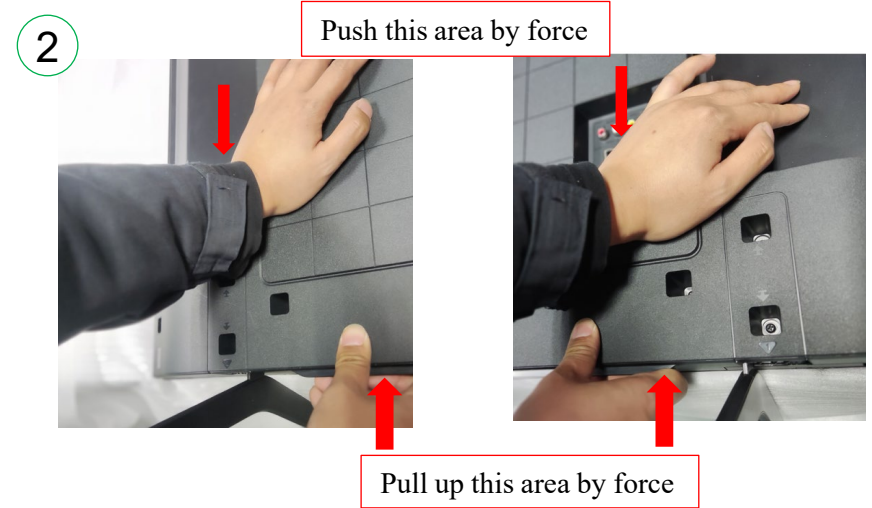

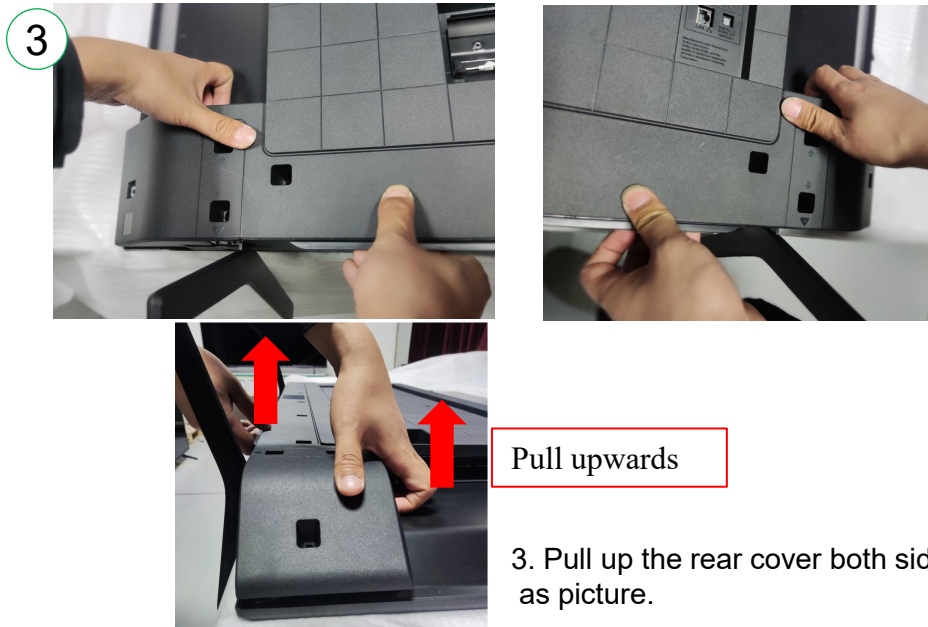Peel off the tape

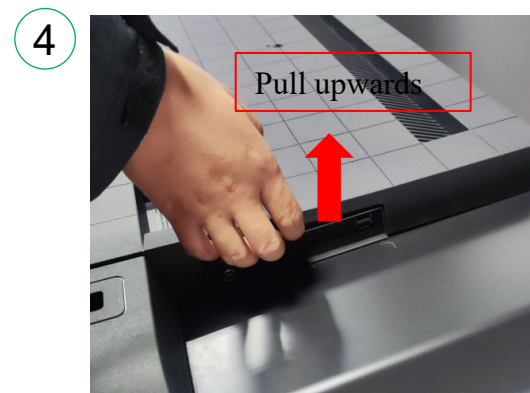Take off the SP connector

SYS SET
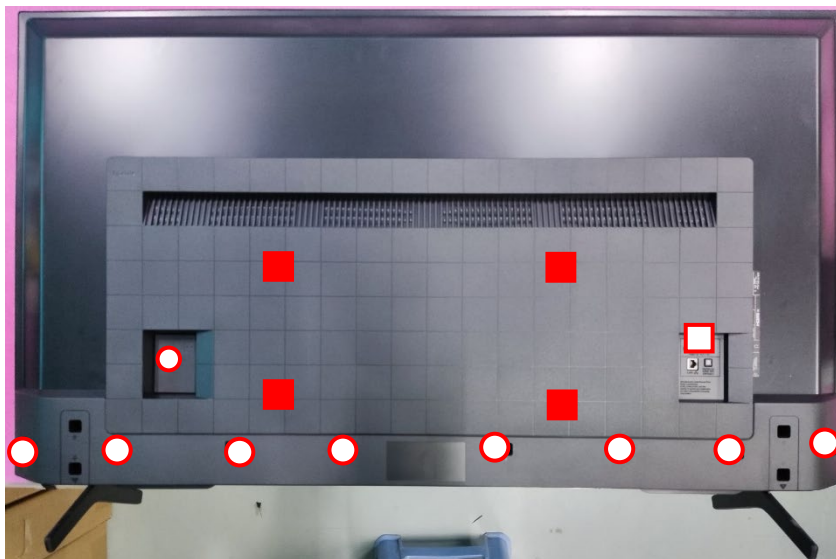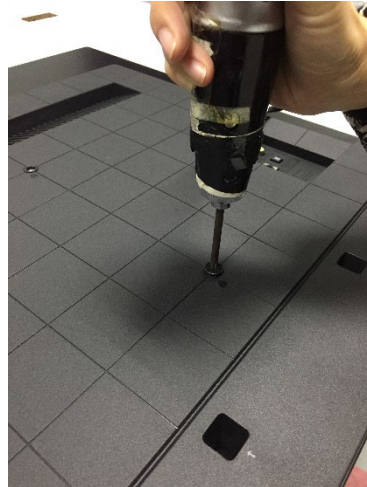
3). REMOVE THE REAR COVER
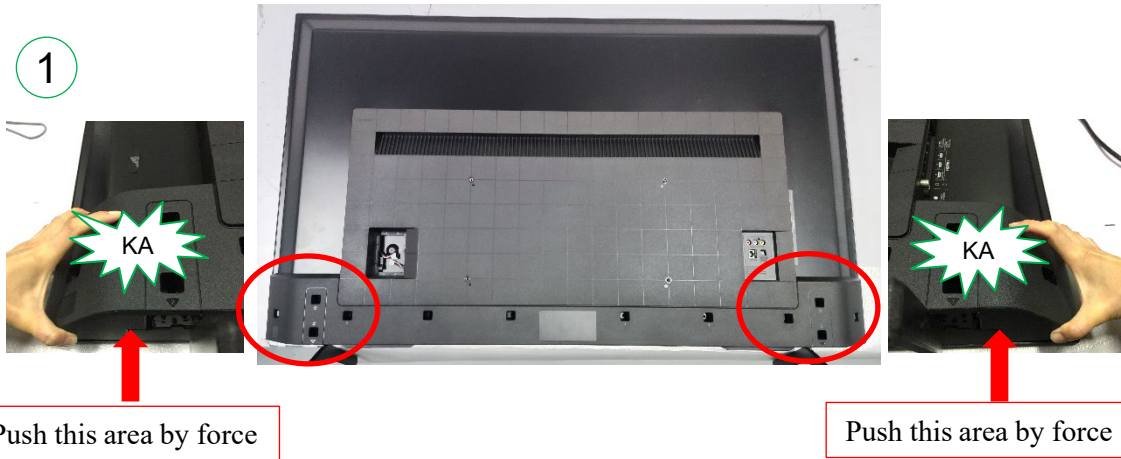
1.Push both sides of the rear cover corner area (show as the picture) and the hook- opening voice can be heard .
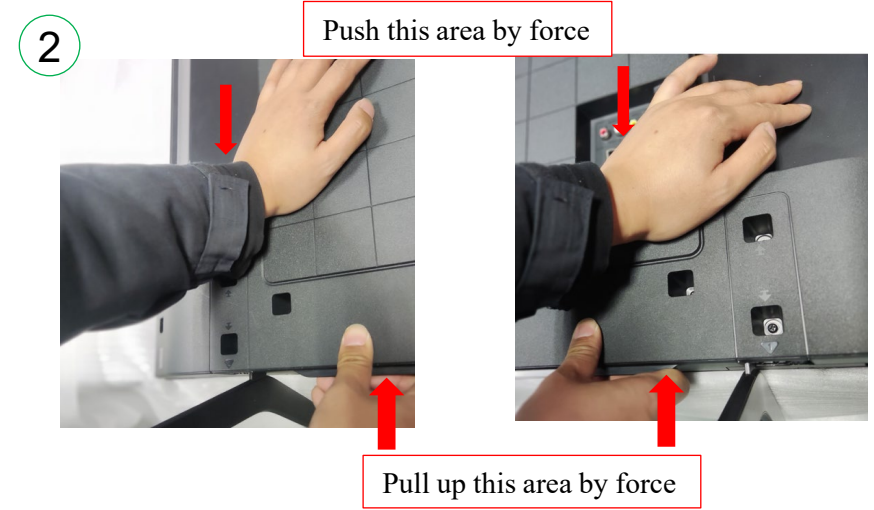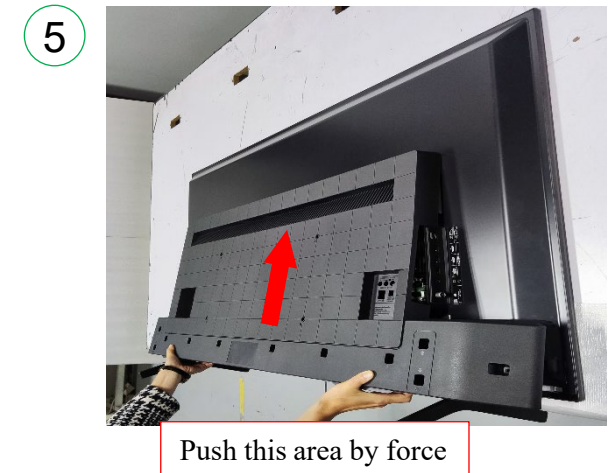
2. Pull up the rear cover both sides as picture.
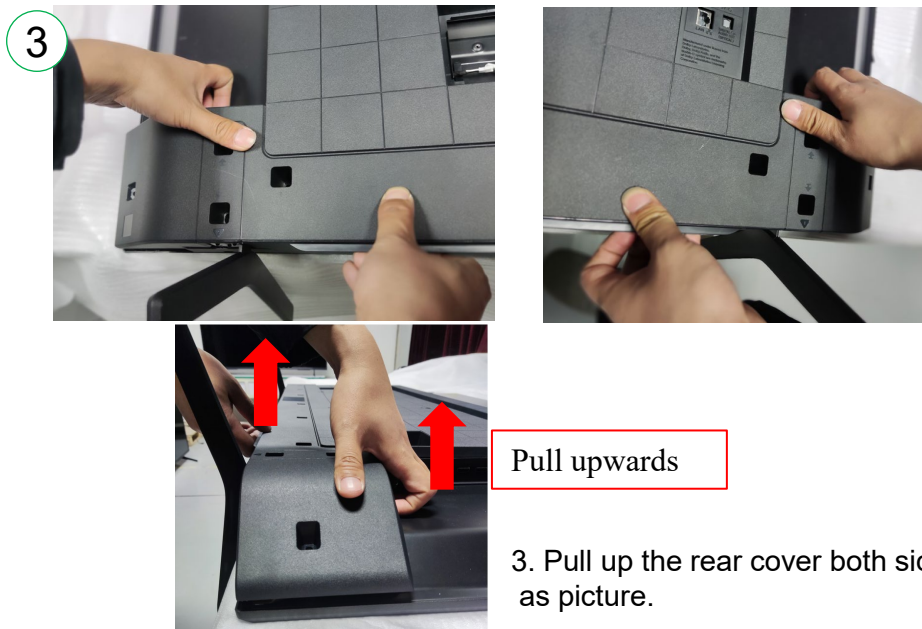
3. Pull up the rear cover both sides as picture.

4. Pull up the rear cover right side as picture.

4). SET UP THE SET

HOOK POSITION

KD-55X75K

Bezel, Front

Back Chassis

HOOK POSITION

KD-55X75K

SYS SET
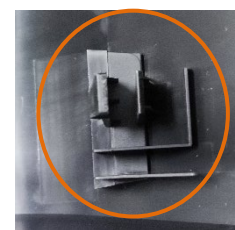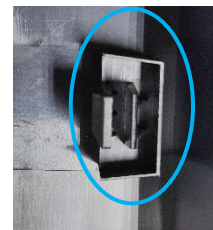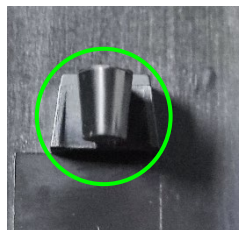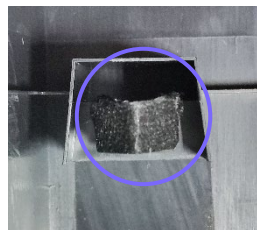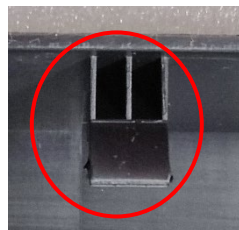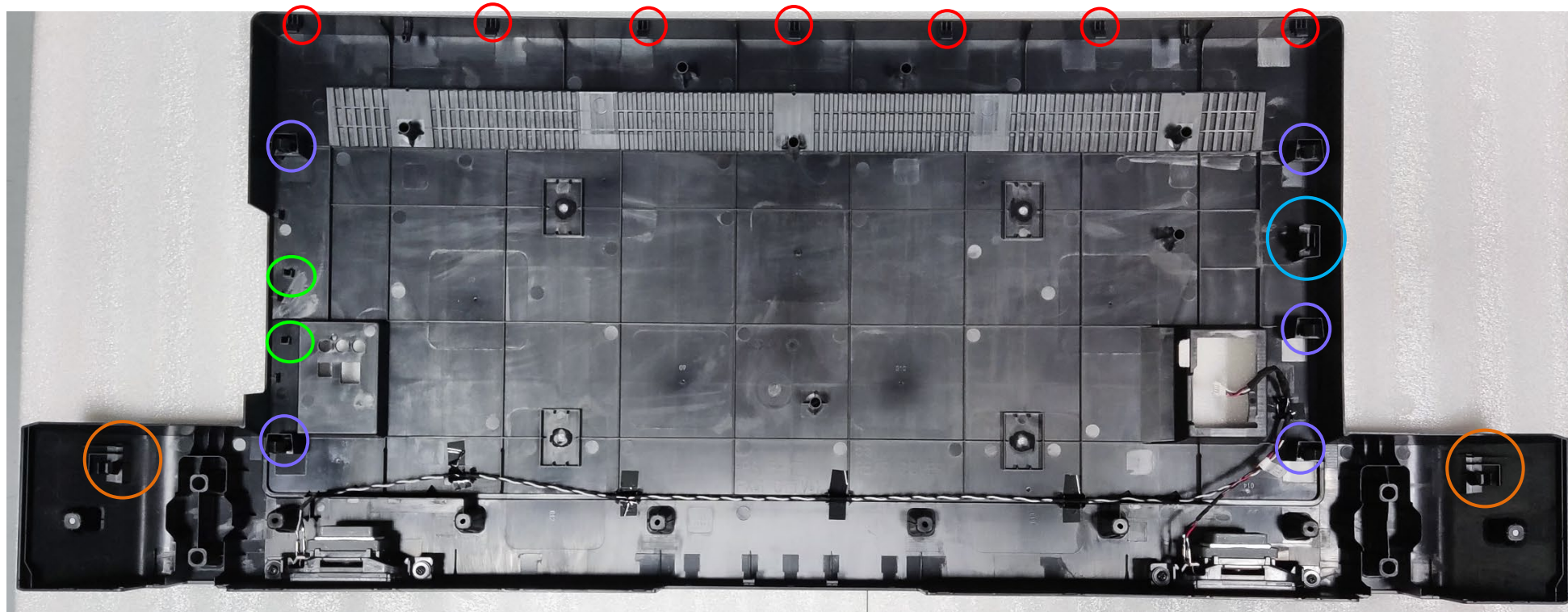
1-5. DISASSEMBLY OF REAR COVER AND SERVICE POSITION

1-5-3. KD-65X75K

1). LAY DOWN THE SET IN A FLAT TABLE

Make sure no mess things under the front set.

2). UNLOCK SCREWS

⭕	SCREW, +PSW M3X8, W8, BLK	9pcs
⬜	SCREW +BVTP 3X8 TYPE2 IT-3	1pcs
🟥	SCREW, M6*12	4pcs

3). REMOVE THE REAR COVER

Take off the AC cover first

Peel off the tape

Take off the SP connector

SYS SET

3). REMOVE THE REAR COVER

① Push this area by force

KA

Push this area by force

1.Push both sides of the rear cover corner area (show as the picture) and the hook- opening voice can be heard .

② Push this area by force

Pull up this area by force

2. Pull up the rear cover both sides as picture.

③ Pull upwards

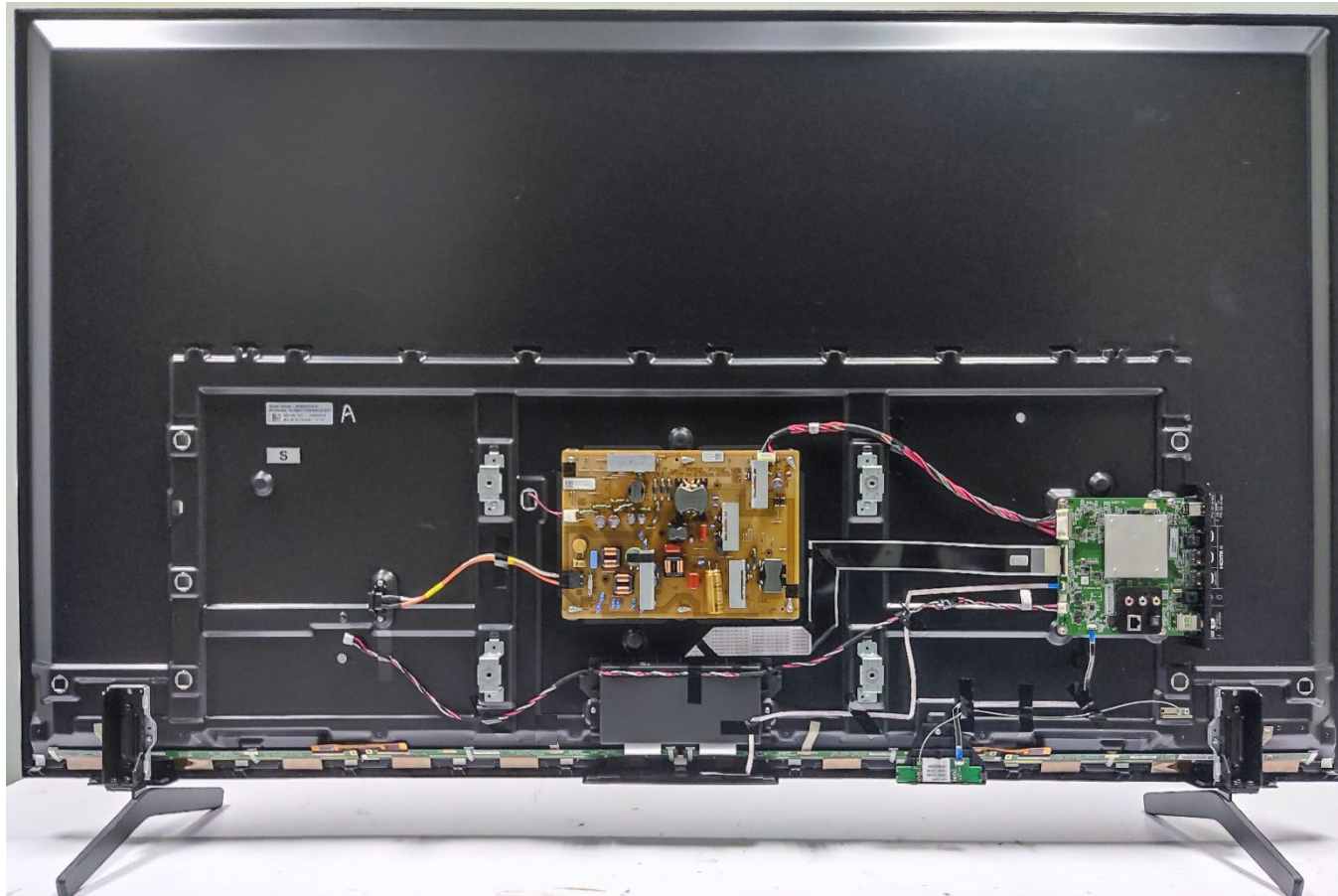3. Pull up the rear cover both sides as picture.

④ Pull upwards

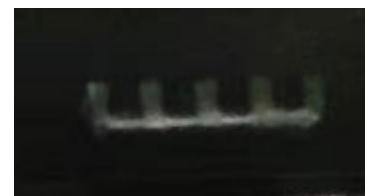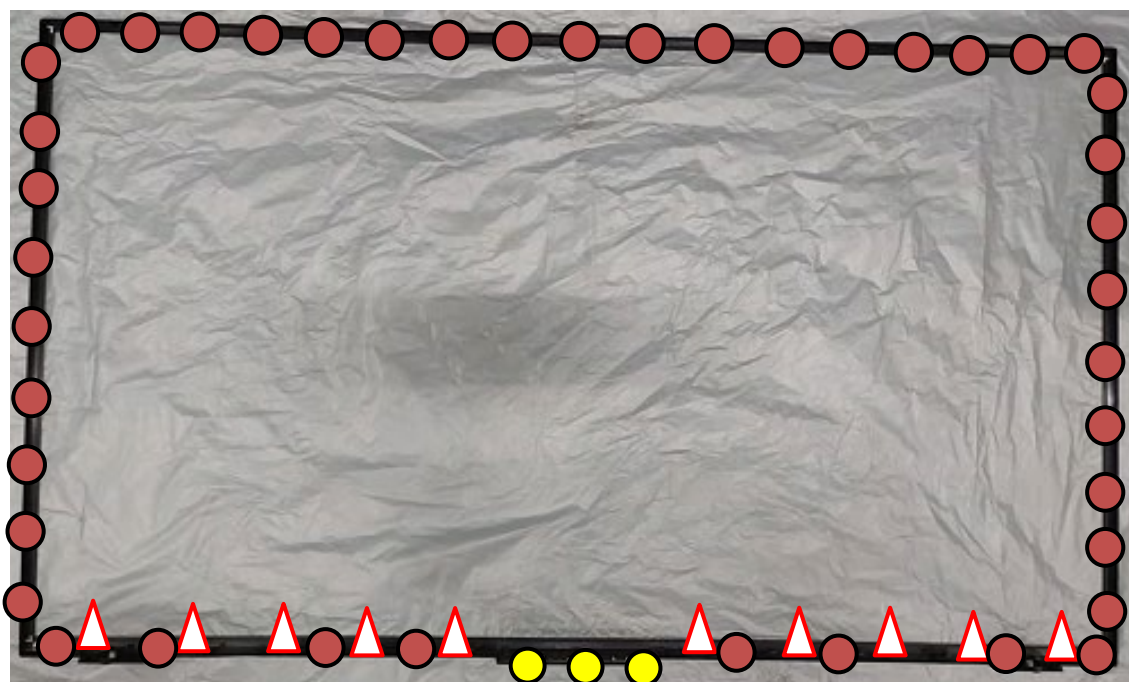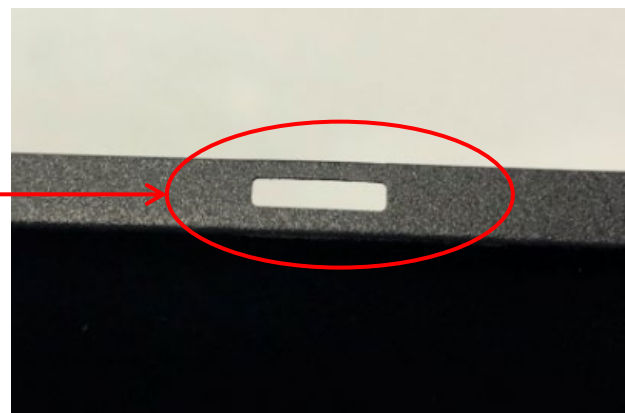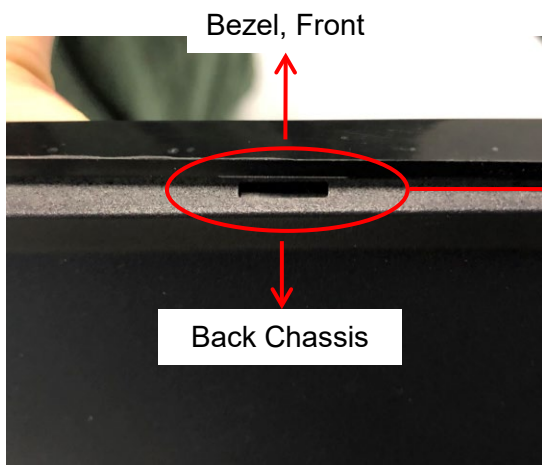4. Pull up the rear cover right side as picture.

⑤ Push this area by force

5. Push the rear cover as picture shown to release the hooks.
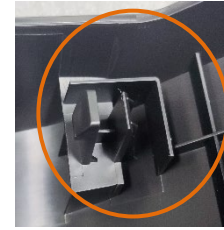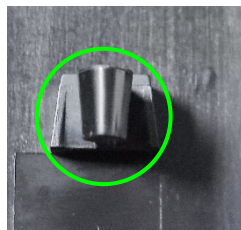
SYS SET

4). SET UP THE SET

HOOK POSITION

KD-65X75K

Bezel, Front

Back Chassis

HOOK POSITION

KD-65X75K

1-6. DISASSEMBLY OF LCM AND SERVICE POSITION

DISASSEMBLY AND PARTS LIST
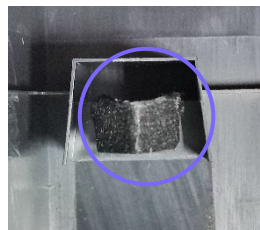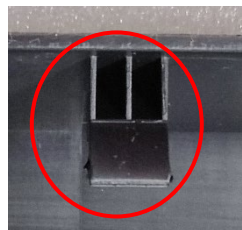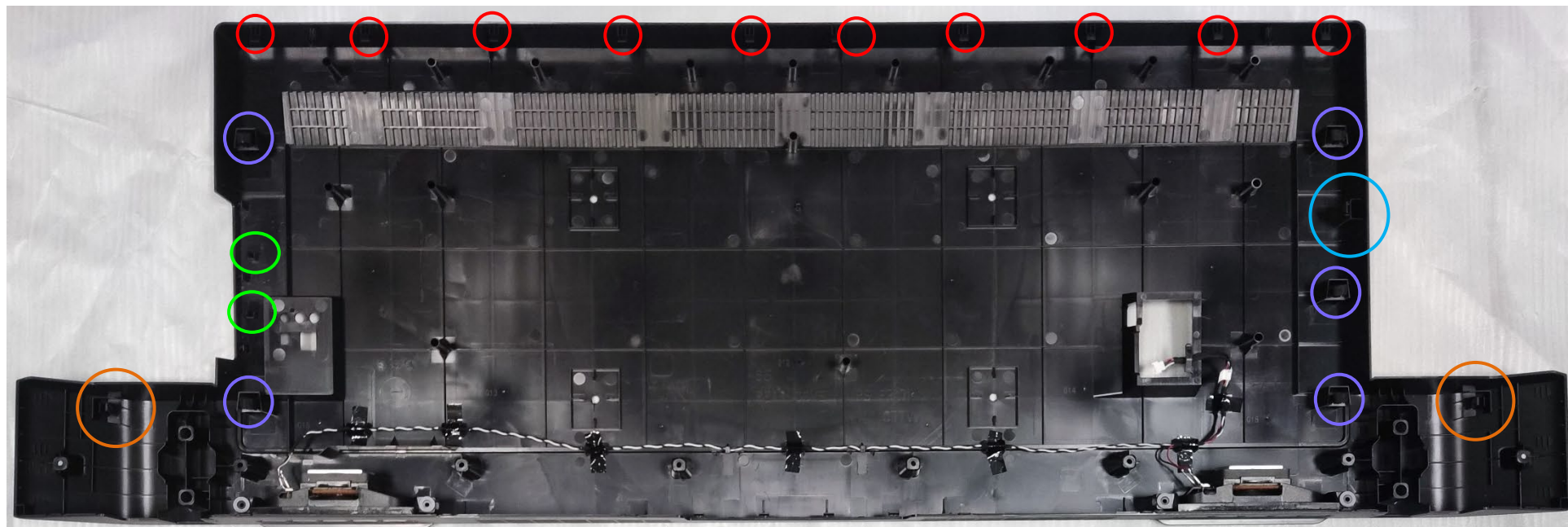
1-6-1. KD-32W830K

1). REMOVE THE STAND

Make sure no mess things under the front set.
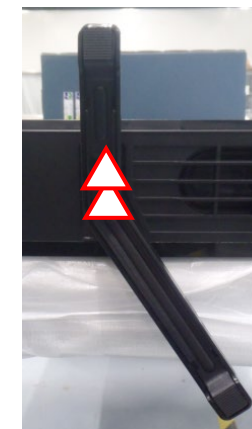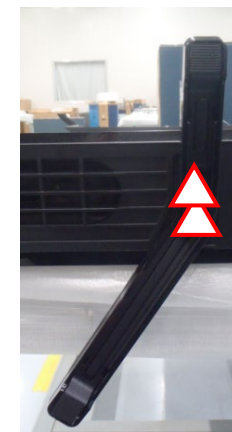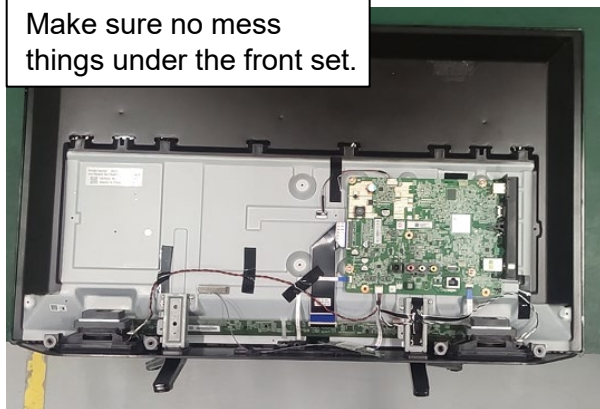
1. Lay down the set.

2. The Stand screws

⚠ SCREW, +PSW M4X16   4PCS
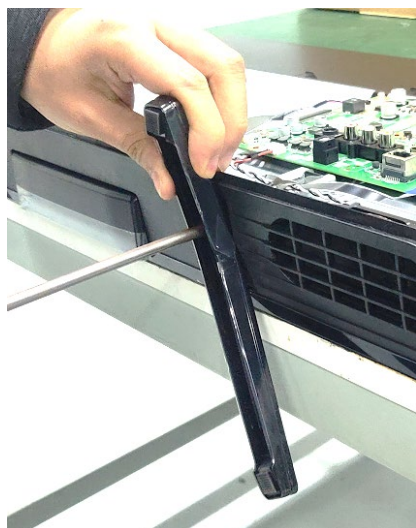
3. Hold the Stand while unscrewing

4. Take off the Stand

2). REMOVE THE SPEAKERS.
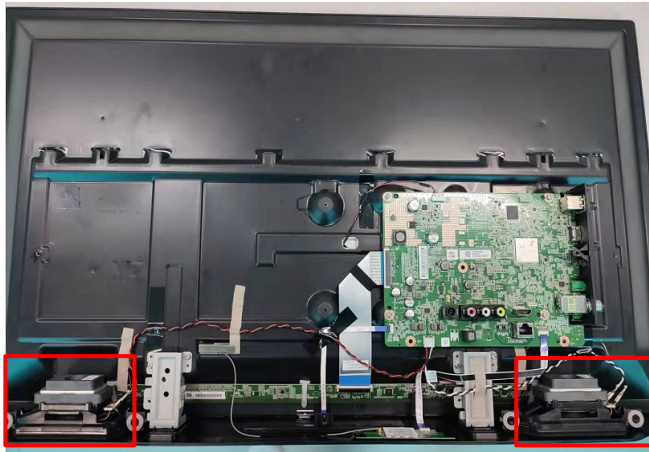
1. Speakers position
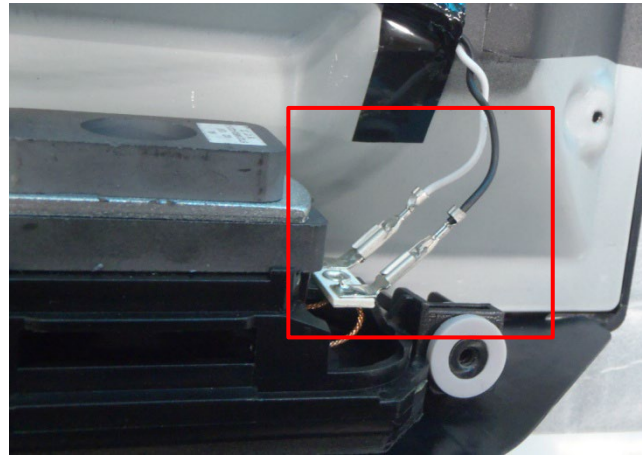
2. Speaker wire connector position
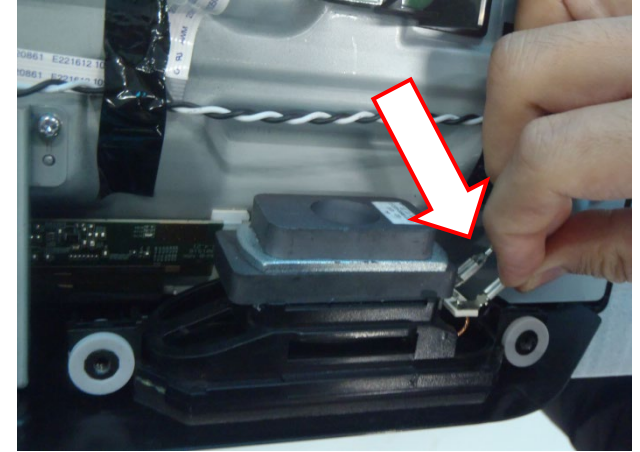
3. Push the button to release the connector
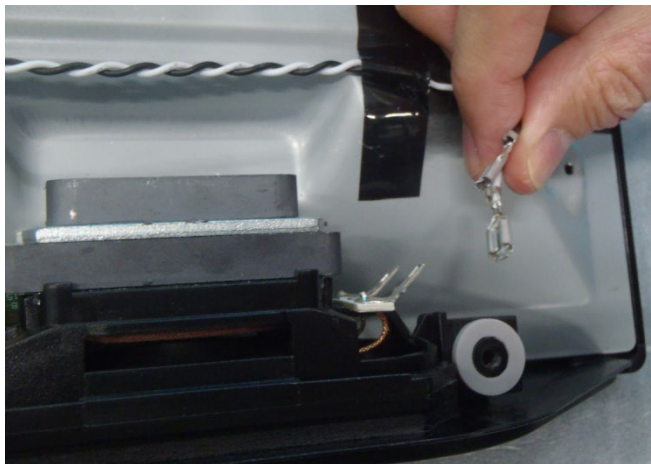
4. Release the speaker wire
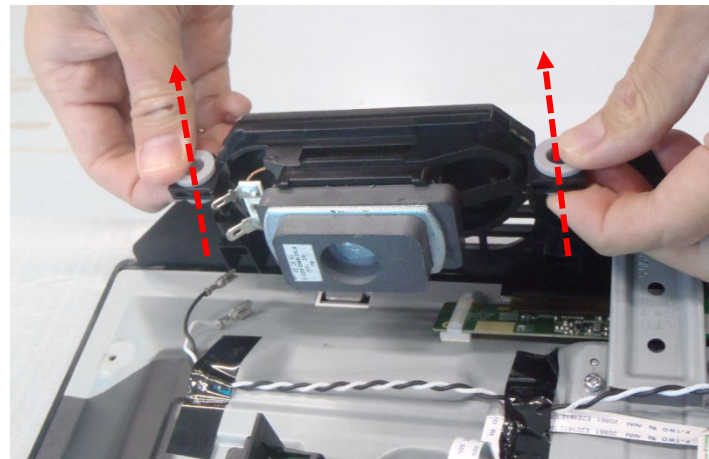
5. Remove the speakers

3). REMOVE THE ORNAMENT PANEL.
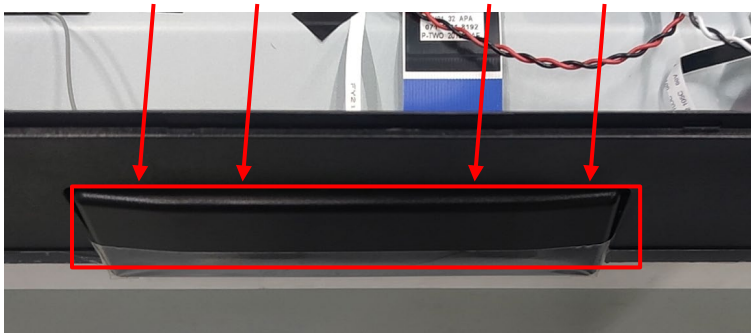
1. Ornament Panel (OP) & Hooks position
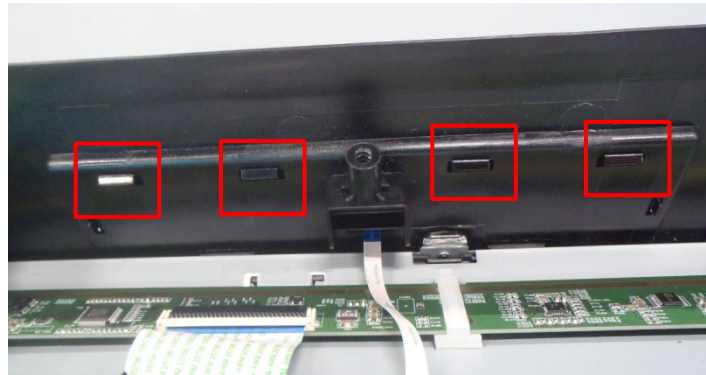
2. Push Hooks to release OP
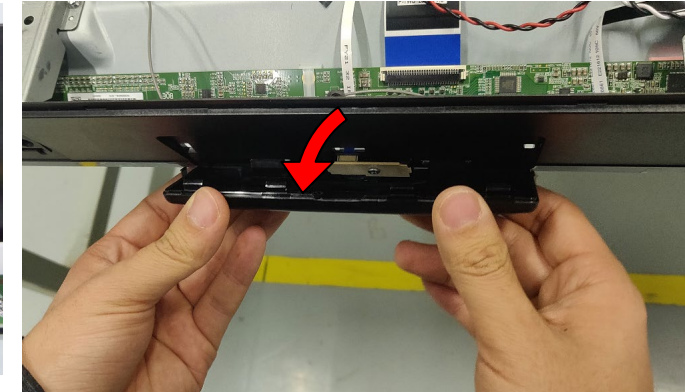
3. Rotate the OP to release
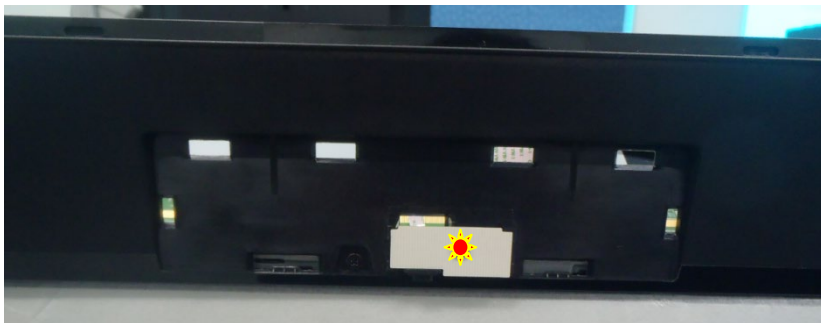
4. Remove the screw ☀ SCREW, F T3X6   1 PCS
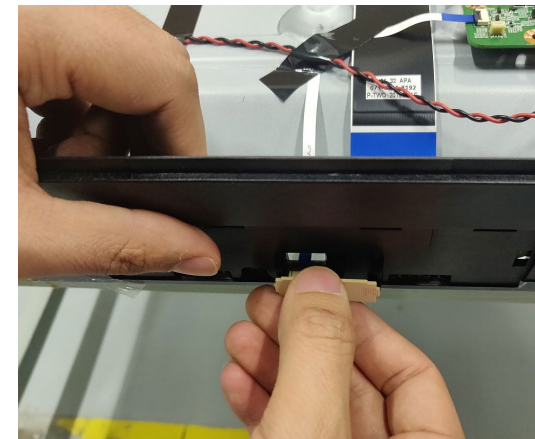
5. Remove IR board from bezel and disassemble IR board clip
*When assemble IR board back to Bezel, insert IR FFC firstly

4). REMOVE the WIFI MODULE

1. Remove tape (2pcs)

2.Take out the WIFI MODULE

5). REMOVE the BOTTOM FRAME
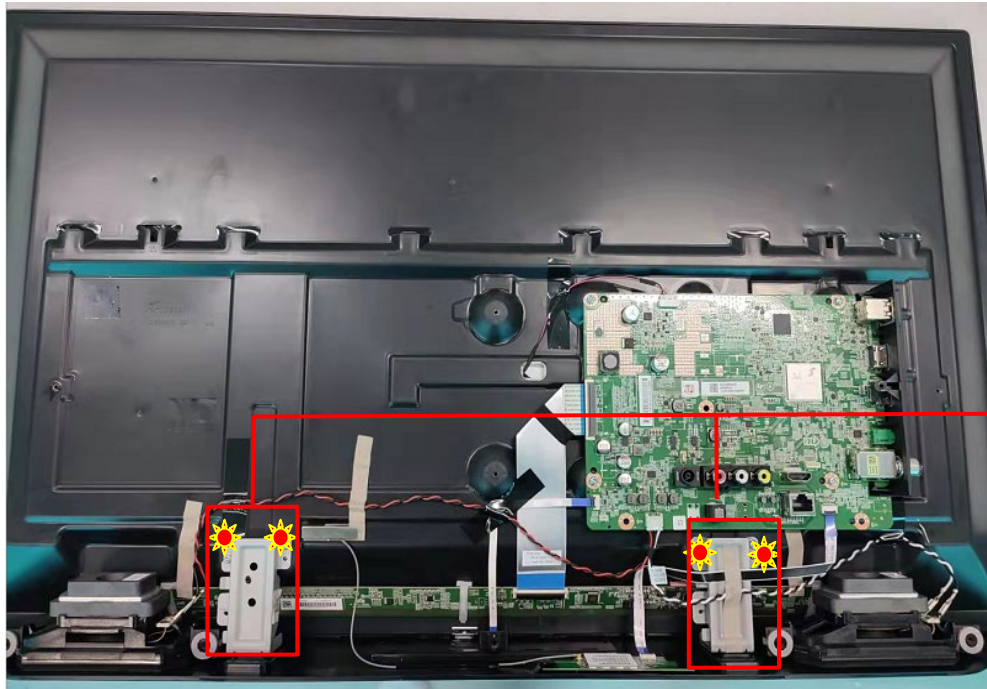
Remove the BOTTOM FRAME

1. Remove the screw ☀ SCREW (+PSW) (M3X6)   4 PCS

2. Remove the 2 PCS FRAME BOTTOM

6). TURN THE SET & REMOVE THE TAPE.

1. Flip the TV
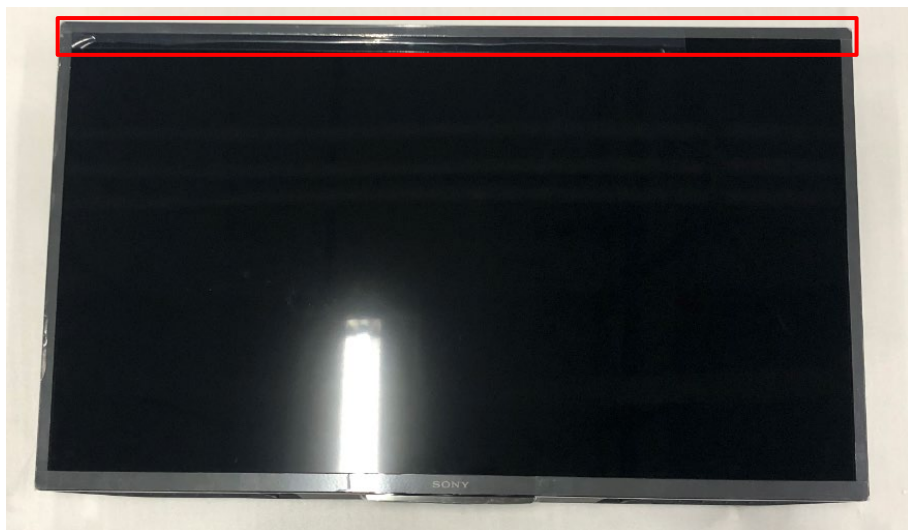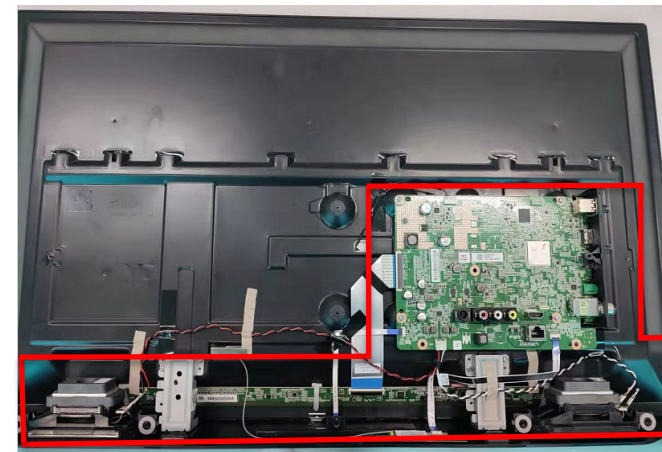
Cushion can't touch this area, the height of cushion must more than 35mm.

2. Remove the tape

7). REMOVE THE BEZEL

Pull off

	DESCRIPTION	Quantity
⚠	ASSY, BEZEL FRONT	1
🔵	SCREW M2.5L4	1

Pull off

Pull off

1. Remove the Bezel Screw.
2. Pull off the T/L/R side of Bezel firstly.

3. Take off Bezel top side, then bottom side.

LCM without Bezel

SYS SET
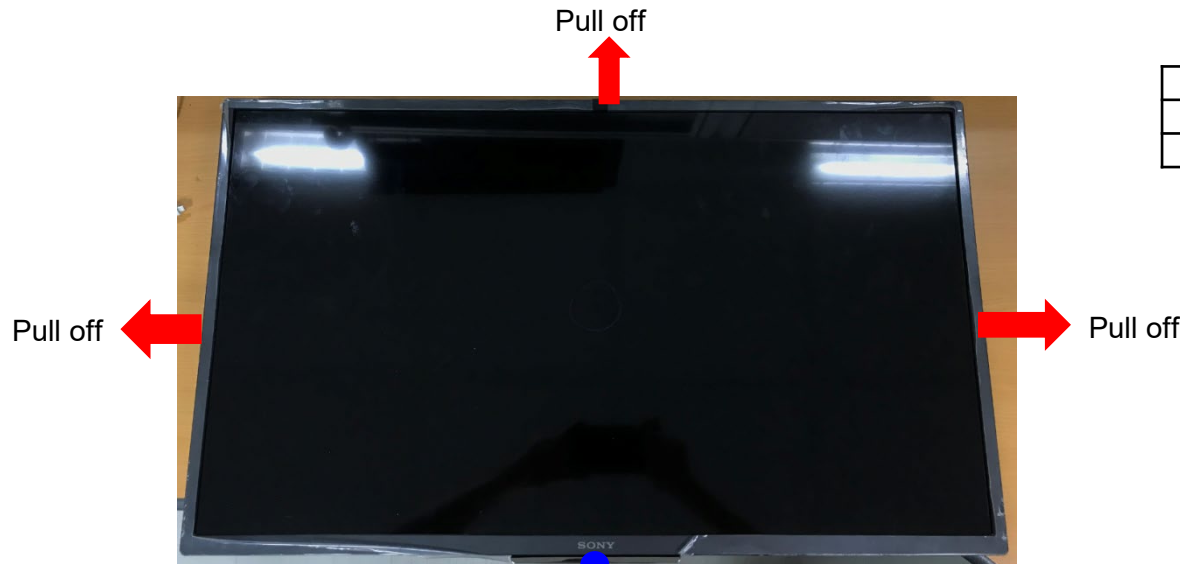
8). TAKE OFF THE O-CELL

DESCRIPTION	Quantity	REMARK
LIQUID CRYSTAL ELEMENT(B32WHB)	1	
⭕ LIGHT COVER TAPE	3	Can not reuse
🔵 THERMAL TAPE 40X20	2	Can not reuse

1.Take off LIGHT COVER TAPE (3pcs).

2. Take off PWB locker firstly (3 position).

9). TAKE OFF THE MIDDLE CHASSIS
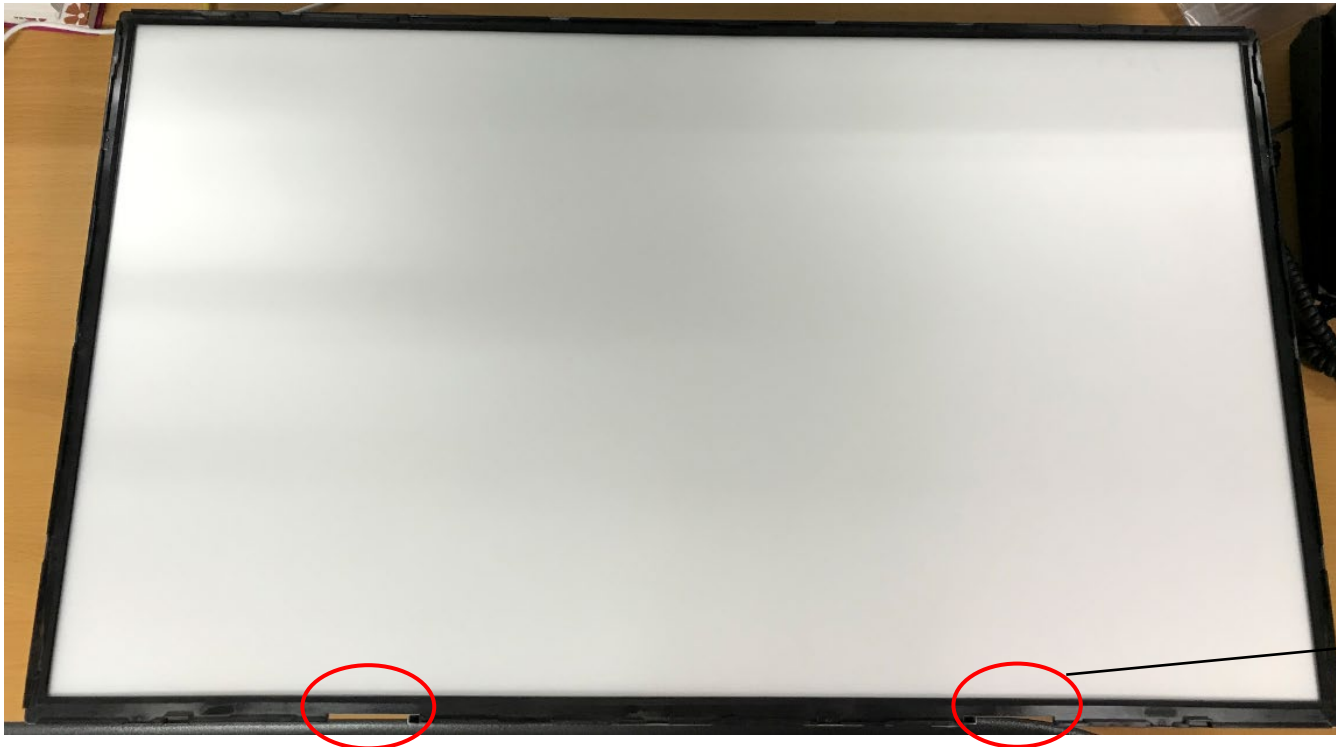
Remove the M/C from the position

External-fixed   Internal-fixed   External-fixed

10). TAKE OFF THE FILM (DIFFUSER SHEET, PRISM SHEET 0, PRISM SHEET 90 , Diffuser plate)

1. Take off the Film(Diffuser Sheet , Prism Sheet 0 , Prism Sheet 90 , Diffuser plate) .

DESCRIPTION	Quantity	REMARK
DIFFUSER SHEET	1	Can not reuse
PRISM SHEET 90	1	Can not reuse
PRISM SHEET 0	1	Can not reuse
DIFFUSER PLATE	1	

11). TAKE OFF THE REFLECTOR SHEET

    1. Take off the Reflector Sheet.

DESCRIPTION	Quantity	REMARK
REFLECTOR SHEET	1	

12). TAKE OFF THE LIGHT BAR AND CABLE
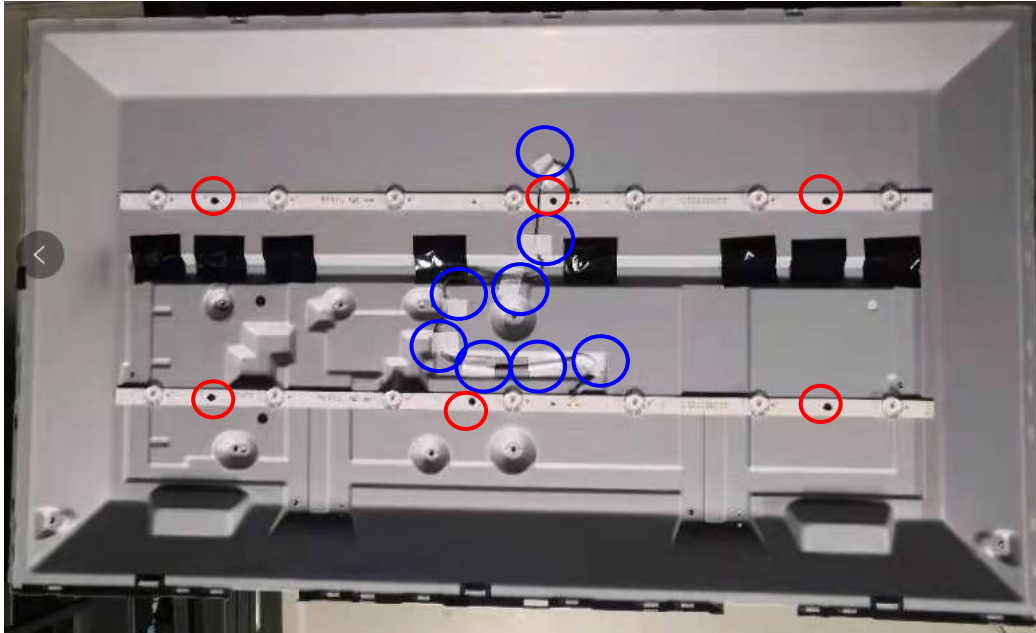
1. Remove LB CABLE FIXED TAPE (8pcs).
2. Remove LB SCREW M2.5L1.5 (6pcs).
3. Remove LS BAR, LEXTAR LB3209L.0 (32) (2pcs)

	DESCRIPTION	Quantity	REMARK
⭕	LS BAR SCREW M2.5*L1.5 /black	6	Can not reuse
🔵	LB SCREW M2.5L1.5	8	Can not reuse
	LS BAR, LEXTAR LB3209L.0 (32)	2	Can not reuse

SYS SET

TAPE LAYOUT

KD-32W830K
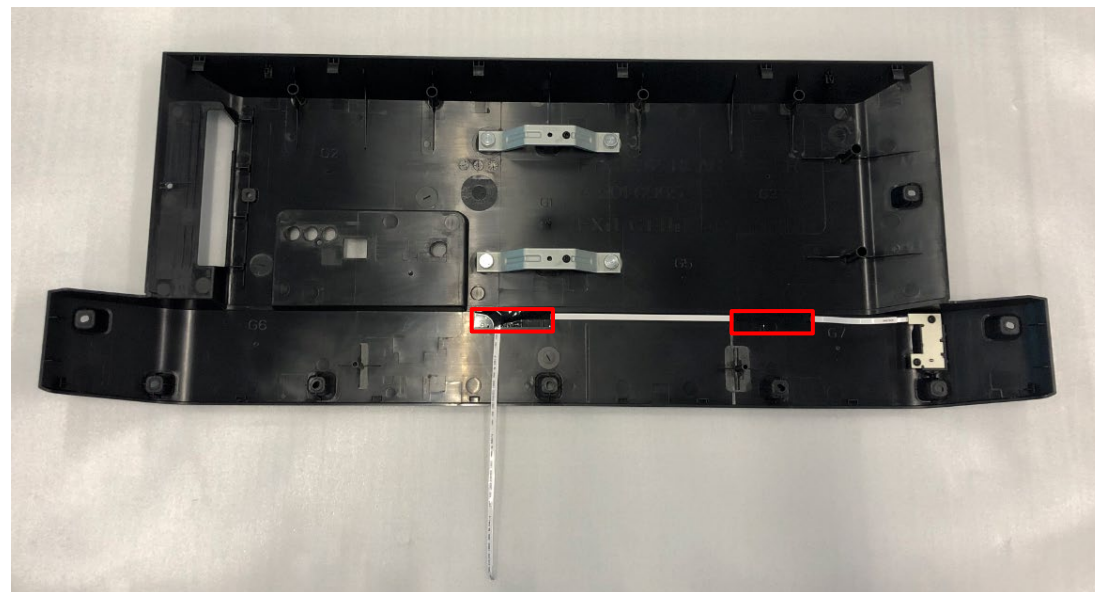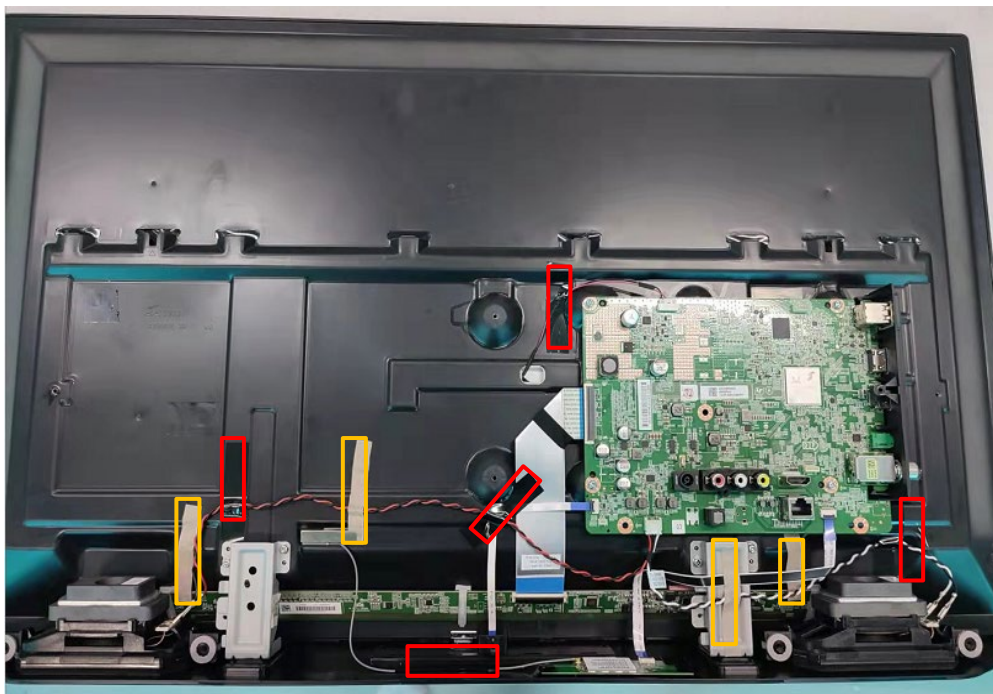
| | 60*15mm/7 PCS |
| | EMI AL TAPE (43)/4 PCS |

DESCRIPTION	REMARK
TAPE (3M 1350FB-1)15MMX66M BLK	Can not reuse
EMI AL TAPE (43)	Can not reuse

SYS SET

1-6. DISASSEMBLY OF LCM AND SERVICE POSITION

1-6-2. KD-55X75K

1). REMOVE THE STAND
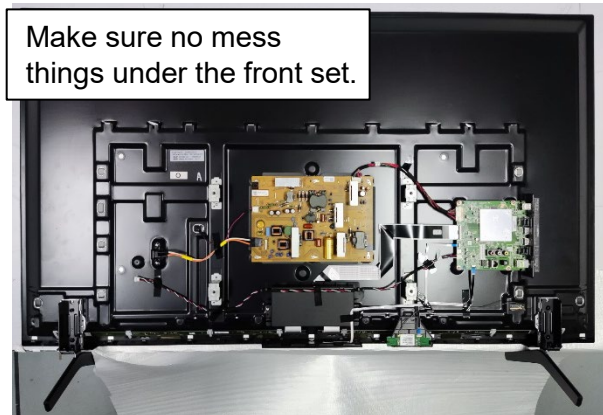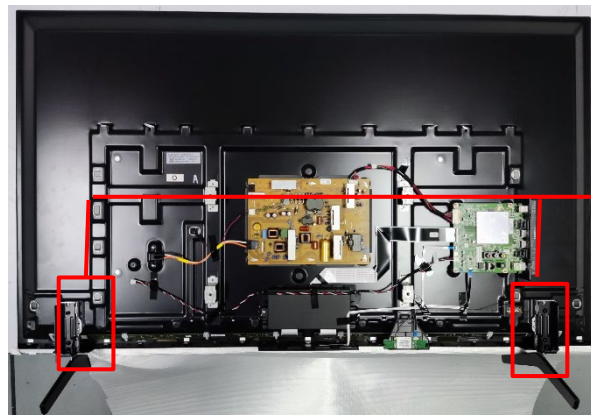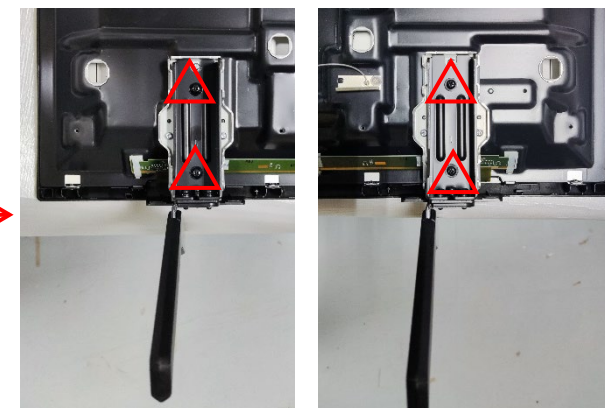
Make sure no mess things under the front set.

1. Lay down the set.

2. The Stand screws

⚠ SCREW, +PSW M4X10   4PCS

3. Hold the Stand while unscrewing

4. Take off the Stand

2). REMOVE THE ORNAMENT PANEL.

1. Remove the tape and double side tape and remove the FFC from main board.

Left

Pull

Push down

Left   Right

2. Ornament Panel (OP) & Hooks position

Right

Pull
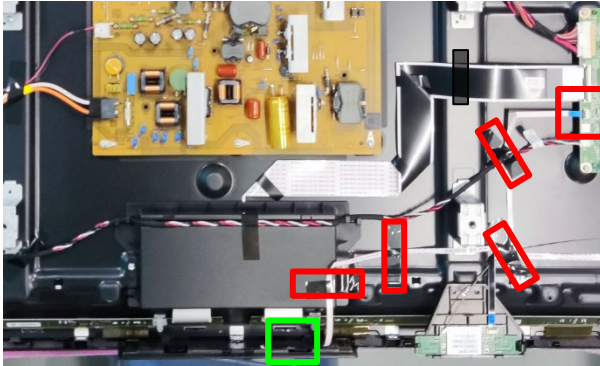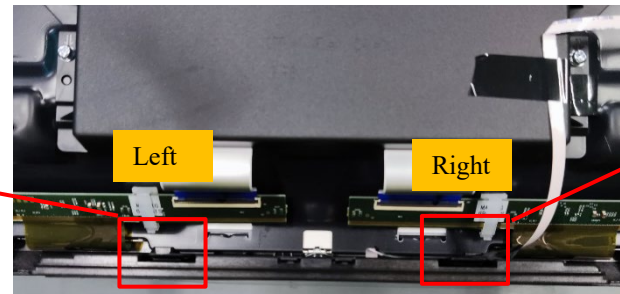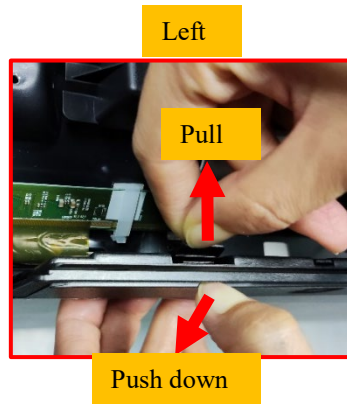
Push down
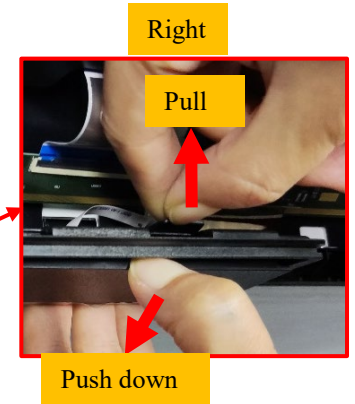
3. Push OP downward to take it out

2). REMOVE THE ORNAMENT PANEL.
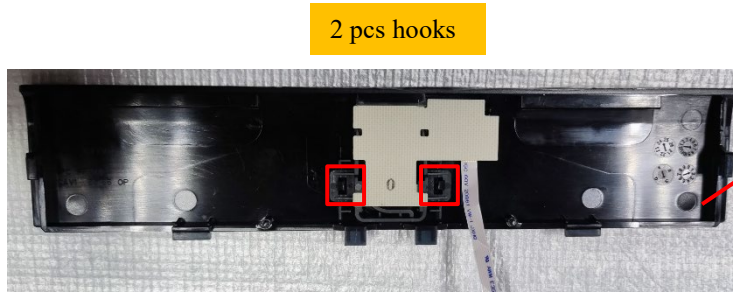
2 pcs hooks

First, push the hook

Second, pull the key button

4. Remove the button and IR board assembly from the OP cover

5. Remove the FFC from the IR board.

2 pcs hooks

2

1
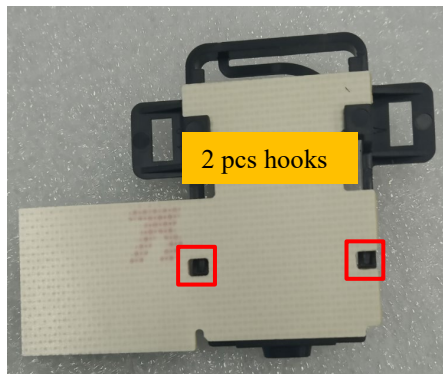
Push

Push

6.Remove the IR board from key button
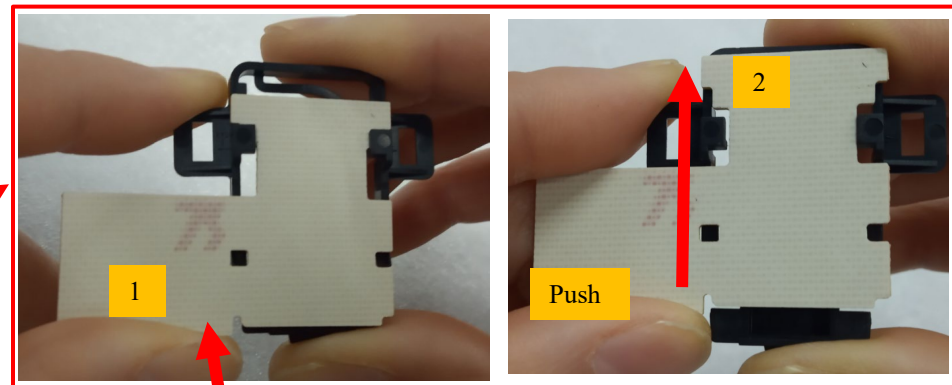
First, lift up IR board to release the hook ,then push forward at the same time to disassemble IR board.
*When assemble IR board back to Bezel, insert FFC firstly
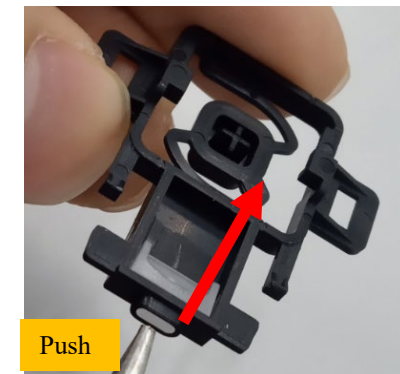
7.Remove the Light Guide from key button

3). REMOVE THE T-CON&T-CON FFC
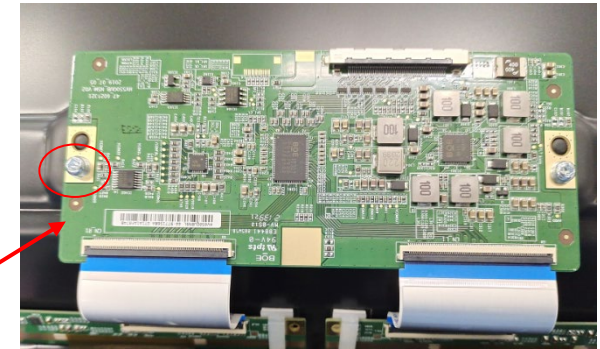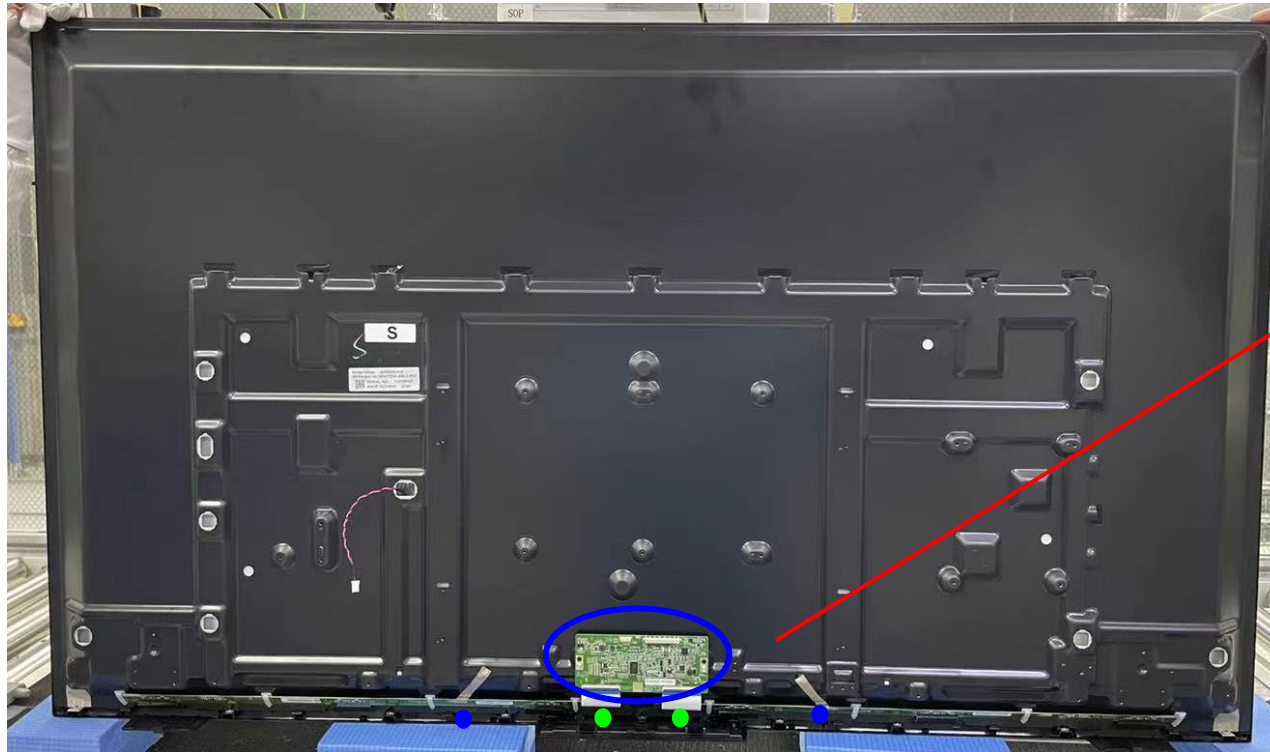
1.Remove the T-CON FFC
LG:60PIN(2pcs)
2.Remove the T-CON SCREW M3*L6(2pcs)
3.MOUNTED PWB E-T-CON
LG:LC550EQQ-SQA1-T

3.Remove the EMI tape_A (55)(2pcs.)
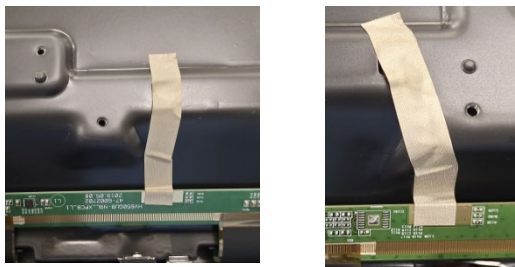
	DESCRIPTION	Quantity	REMARK
⬭ (blue)	MOUNTED PWB E-T-CON (LG_LC550EQQ-SQA1-T)	1	
● (green)	T-CON FFC 60PIN(LG)	2	
● (blue)	EMI TAPE_A(55)	2	
⬭ (red)	SCREW,+PSW M3*L6	2	Can not reuse

4). TURN THE SET & REMOVE THE PROTECTION FILM.

1. Flip the TV

2. Remove the protection film
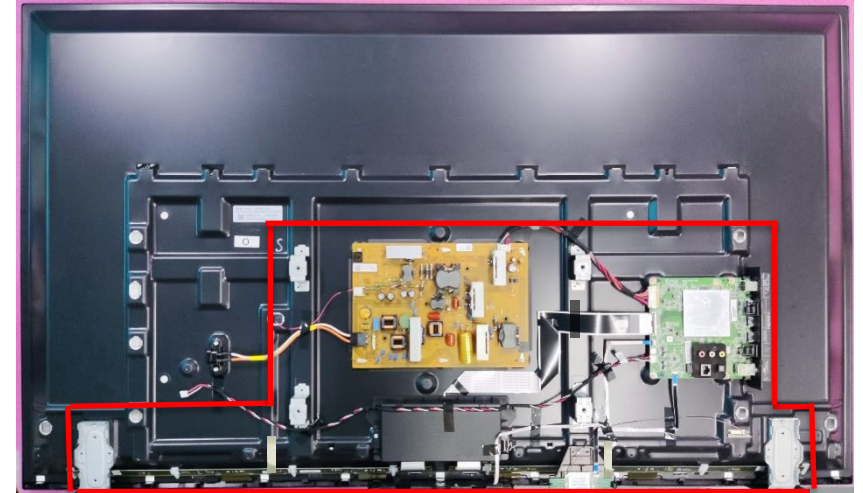
Cushion can't touch this area, the height of cushion must more than 35mm.

5). REMOVE THE BEZEL
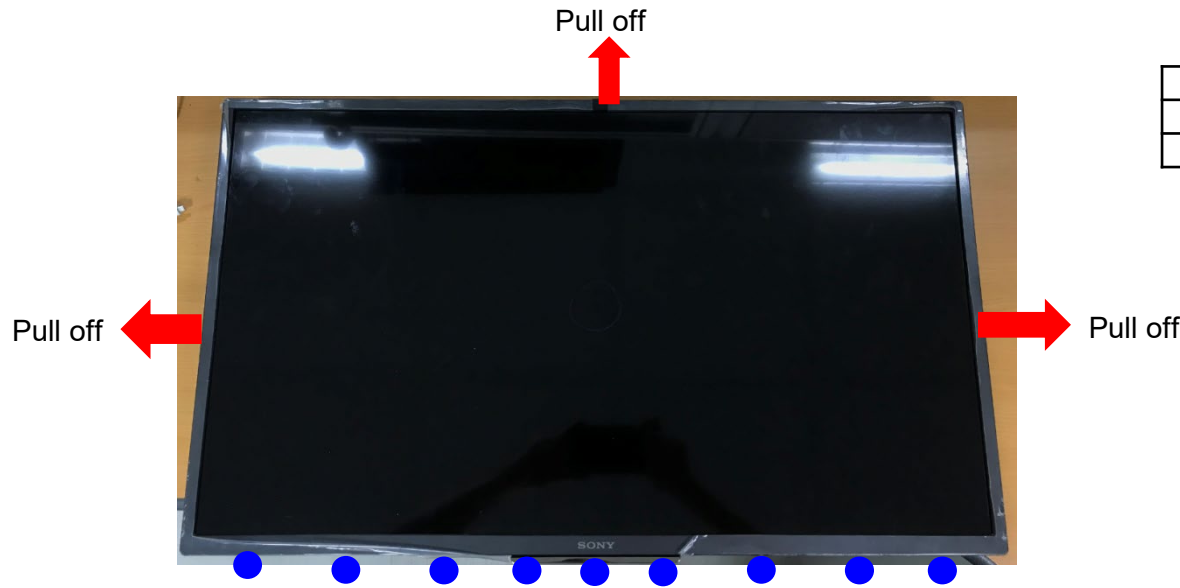
Pull off

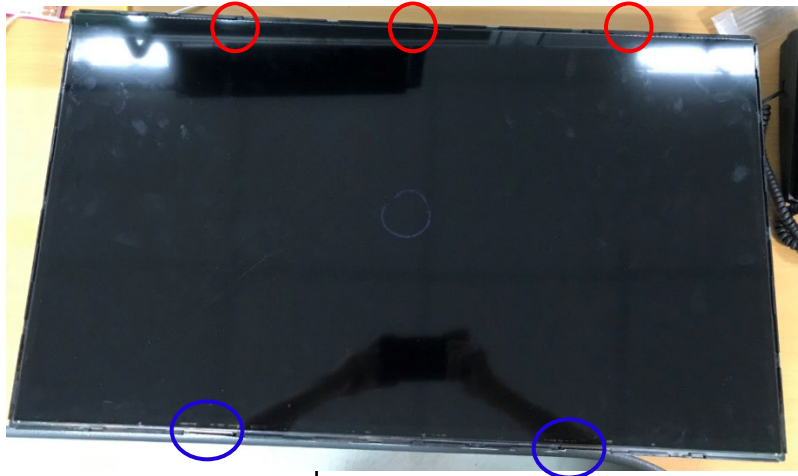|	DESCRIPTION	Quantity
⚠	ASSY, BEZEL FRONT	1
🔵	SCREW M2.5L4	9

Pull off   Pull off

1. Remove the Bezel Screw.
2. Pull off the T/L/R side of Bezel firstly.

3. Take off Bezel top side, then bottom side.

LCM without Bezel

SYS SET

6). TAKE OFF THE O-CELL

	DESCRIPTION	Quantity	REMARK
	LIQUID CRYSTAL ELEMENT (LG_LC550EQQ-SQA1)	1	
⭕	FILM COVER TAPE B (55/65)	5	Can not reuse
⭕	THERMAL TAPE (55)	6	Can not reuse

1.Take off FILM COVER TAPE B (55/65) (5pcs).
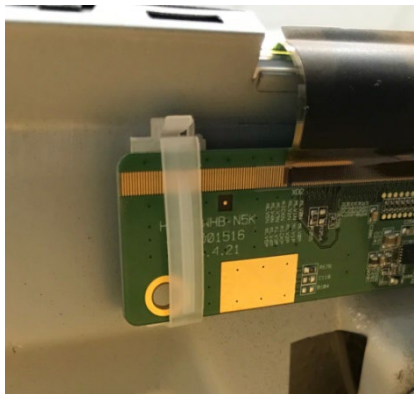
2. Take off PWB locker firstly (8 position).

7). TAKE OFF THE MIDDLE CHASSIS
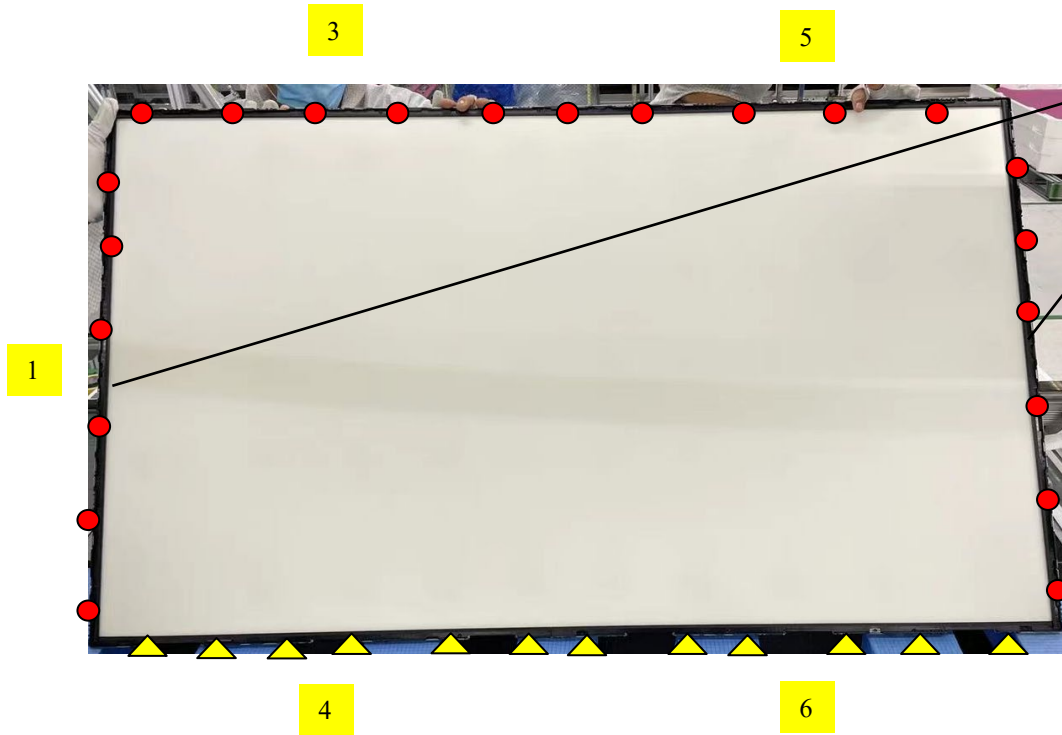
Remove the MIDDLE CHASSIS ASSY_LEFT(55) &MIDDLE CHASSIS ASSY_RIGHT(55) firstly.

	DESCRIPTION	Quantity	REMARK
1	MIDDLE CHASSIS ASSY_LEFT(55)	1	
2	MIDDLE CHASSIS ASSY_RIGHT(55)	1	
3	MIDDLE CHASSIS ASSY_TOP_L(55)	1	
4	MIDDLE CHASSIS ASSY_BTM_L(55)	1	
5	MIDDLE CHASSIS ASSY_TOP_R55)	1	
6	MIDDLE CHASSIS ASSY_BTM_R(55)	1	

1.Remove the MIDDLE CHASSIS ASSY_LEFT(55)&MIDDLE CHASSIS ASSY_RIGHT(55).
2.Remove the MIDDLE CHASSIS ASSY_TOP_L(55)&MIDDLE CHASSIS ASSY_BTM_L(55).
3.Remove the MIDDLE CHASSIS ASSY_TOP_R(55)&MIDDLE CHASSIS ASSY_BTM_R(55).
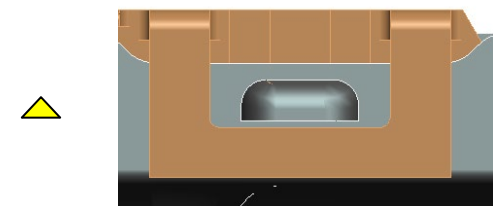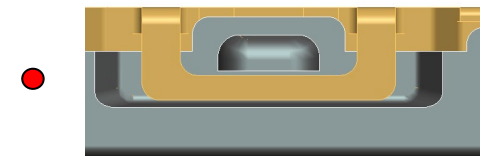
8). TAKE OFF THE FILM (MOP, Diffuser plate)
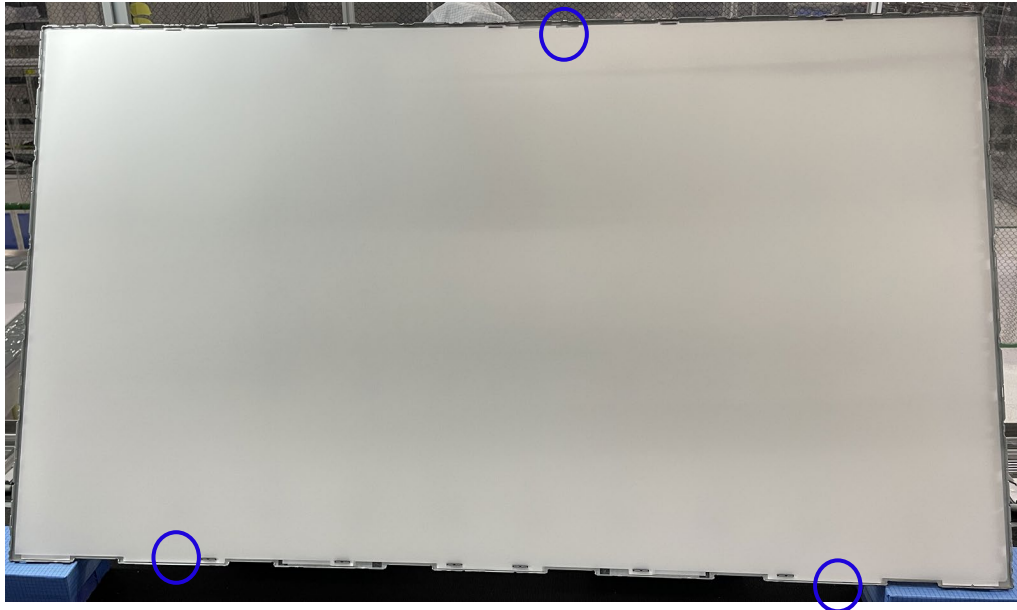
1. Remove the FIXED_TAPE_B(65) on MOP sheet(total 3 pcs).
2. Take off the Film(MOP, Diffuser plate) .

	DESCRIPTION	Quantity	REMARK
	MOP	1	Can not reuse
	DIFFUSER PLATE	1	
◯	FIXED_TAPE_B(65)	3	Can not reuse

9). TAKE OFF THE REFLECTOR SHEET

1. Take off the Reflector Sheet.

DESCRIPTION	Quantity	REMARK
REFLECTOR SHEET	1	

10). TAKE OFF THE LIGHT BAR AND CABLE
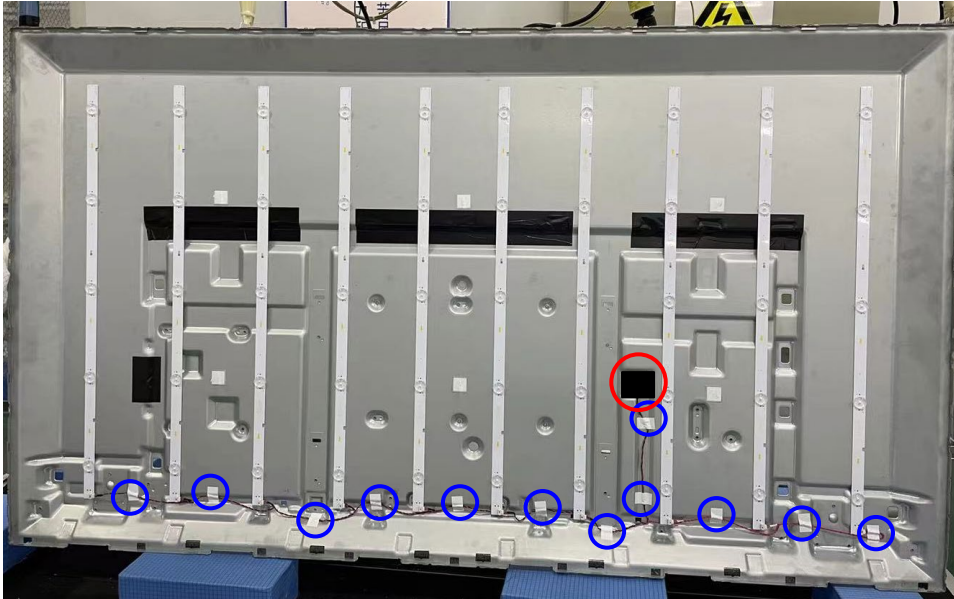
1. LB CABLE FIXED TAPE (43/50) (12pcs).
2. Remove LB CABLE HOLE TAPE (43/50) (1pcs).
3. Remove LS BAR, LEXTAR LB5009Q.0 (55) (10pcs)

	DESCRIPTION	Quantity	REMARK
🔵	LB CABLE FIXED TAPE (43/50)	12	Can not reuse
🔴	LB CABLE HOLE TAPE (43/50)	1	Can not reuse
	LS BAR, LEXTAR LB5009Q.0 (55)	10	Can not reuse

TAPE LAYOUT

KD-55X75K
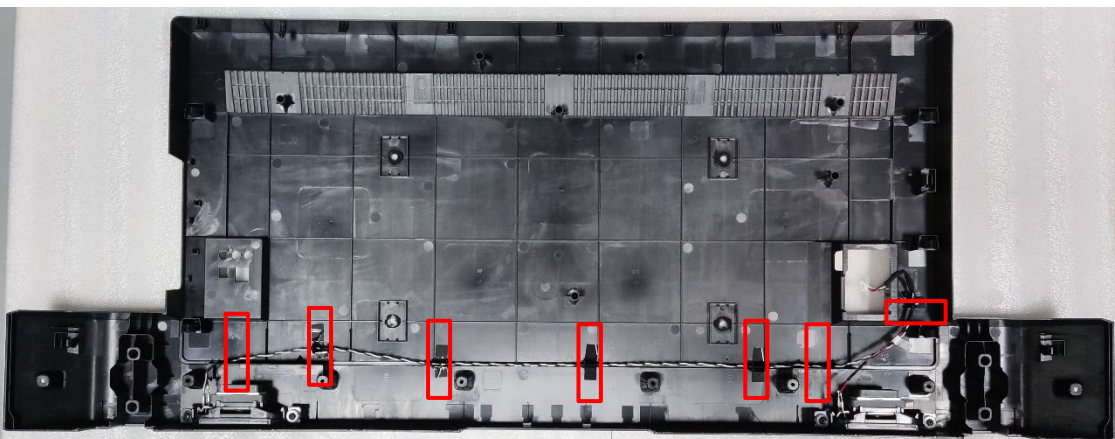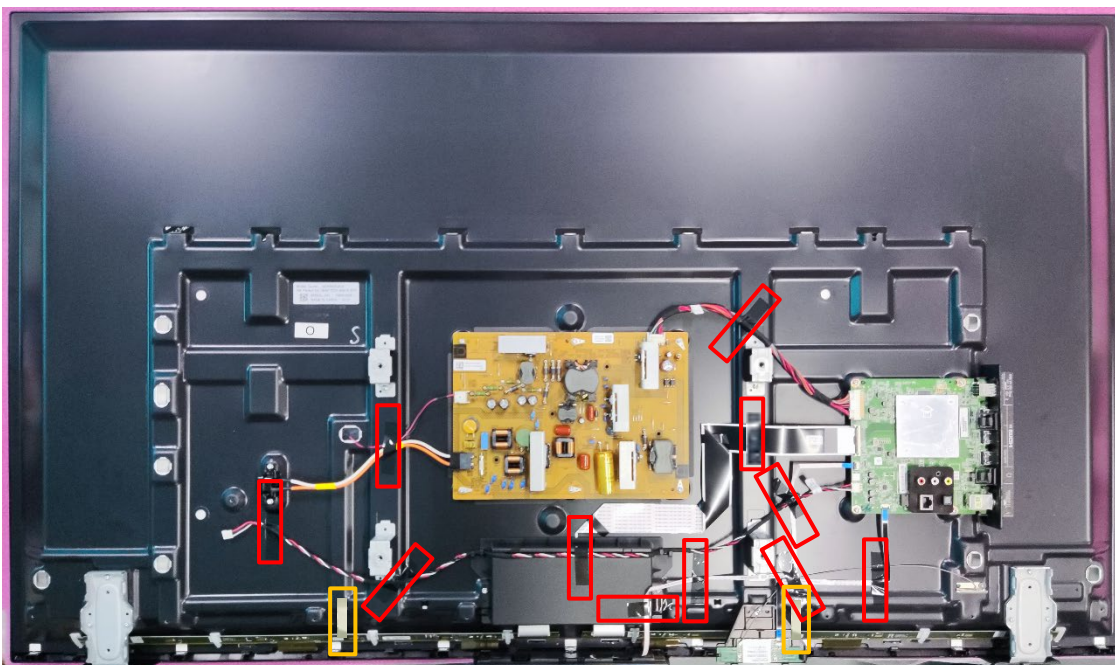
☐ EMI TAPE_A(55) 2PCS

☐ 60*15mm 18PCS

DESCRIPTION	REMARK
TAPE (3M 1350FB-1)15MMX66M BLK	Can not reuse
EMI TAPE_A(55)	Can not reuse

1-6. DISASSEMBLY OF LCM AND SERVICE POSITION

DISASSEMBLY AND PARTS LIST

1-6-3. KD-65X75K

1). REMOVE THE STAND
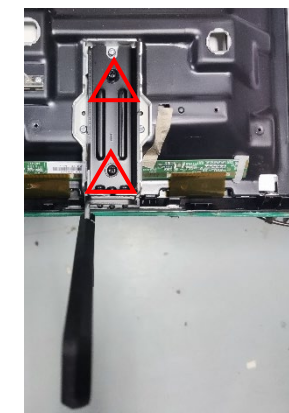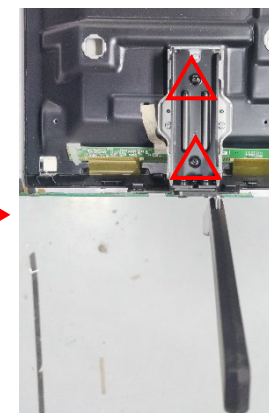
Make sure no mess things under the front set.

1. Lay down the set.

2. The Stand screws

⚠ SCREW, +PSW M4X10   4PCS

3. Hold the Stand while unscrewing

4. Take off the Stand

2). REMOVE THE ORNAMENT PANEL.

1. Remove the tape and double side tape and remove the FFC from main board.

Left
Pull
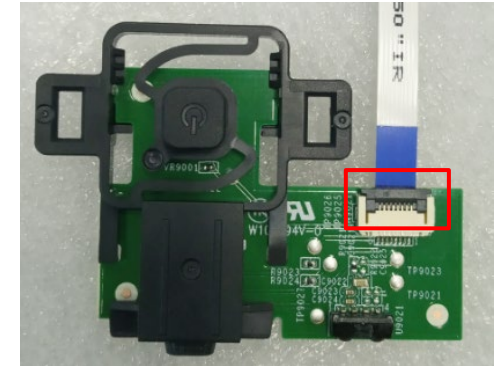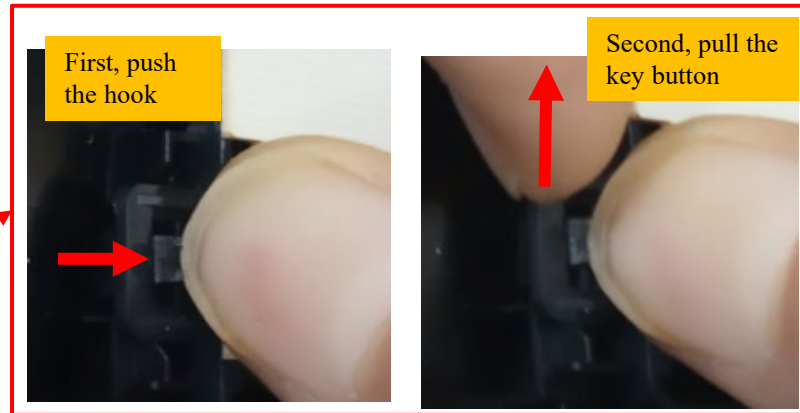Push down

Left
Right

2. Ornament Panel (OP) & Hooks position

Right
Pull
Push down

2). REMOVE THE ORNAMENT PANEL.

2 pcs hooks

First, push the hook

Second, pull the key button

4. Remove the button and IR board assembly from the OP cover

5. Remove the FFC from the IR board.

2 pcs hooks

2

1

Push

Push

6.Remove the IR board from key button

First, lift up IR board to release the hook ,then push forward at the same time to disassemble IR board.
*When assemble IR board back to Bezel, insert FFC firstly

7.Remove the Light Guide from key button
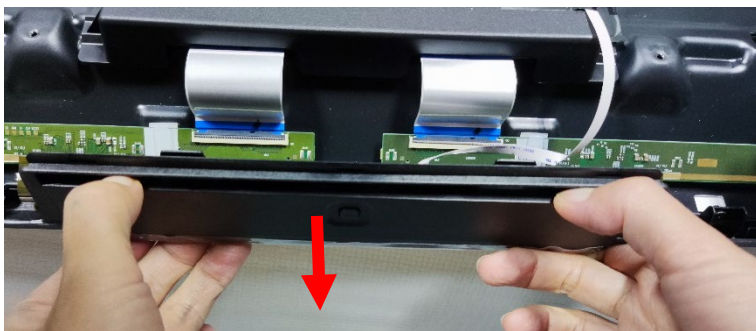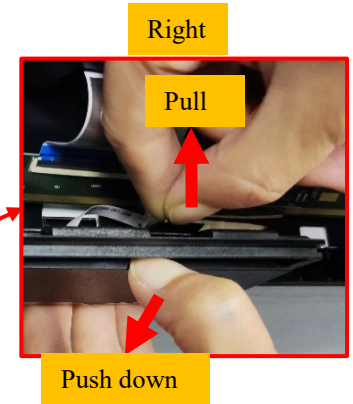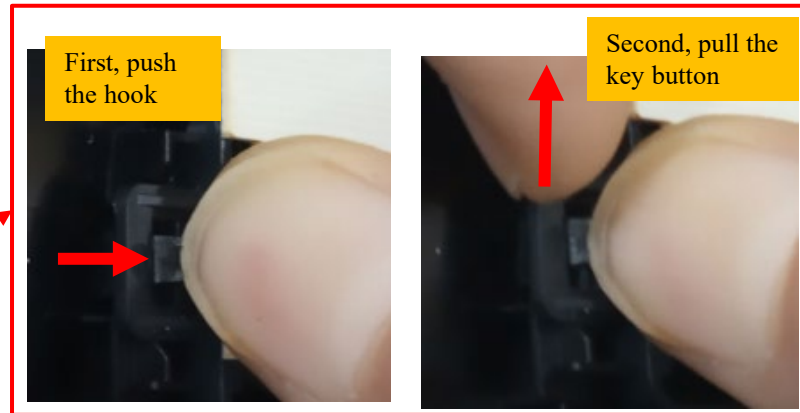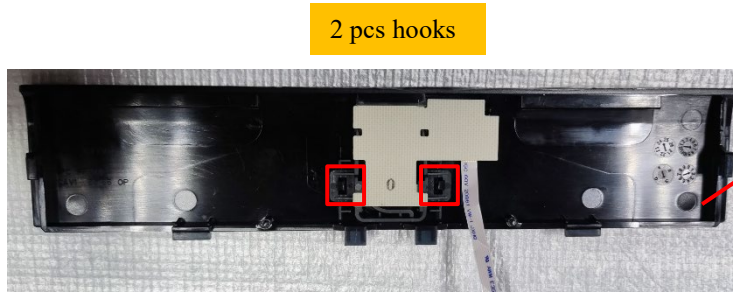
3). REMOVE THE T-CON&T-CON FFC

1.Firstly.remove the T-CON FFC 68PIN(BOE)(2pcs)
2.Second,remove the SCREW,+PSW M3*L6(2pcs)&MOUNTED PWB E-T-CON (HV650QUB-N9L).

3.Third, remove the EMI TAPE_A(55)(3pcs.)

	DESCRIPTION	Quantity	REMARK
	T-CON FFC 68PIN(BOE)	1	
⬭	SCREW,+PSW M3*L6	2	
	MOUNTED PWB E-T-CON (HV650QUB-N9L)	1	
●	EMI TAPE_A(55)	3	Can not reuse

4). TURN THE SET & REMOVE THE PROTECTION FILM.

1. Flip the TV

Cushion can't touch this area, the height of cushion must more than 35mm.

2. Remove the protection film

2023/12/21 05:31:40 (GMT +09:00)

2023/12/21 05:31:40 (GMT +09:00)
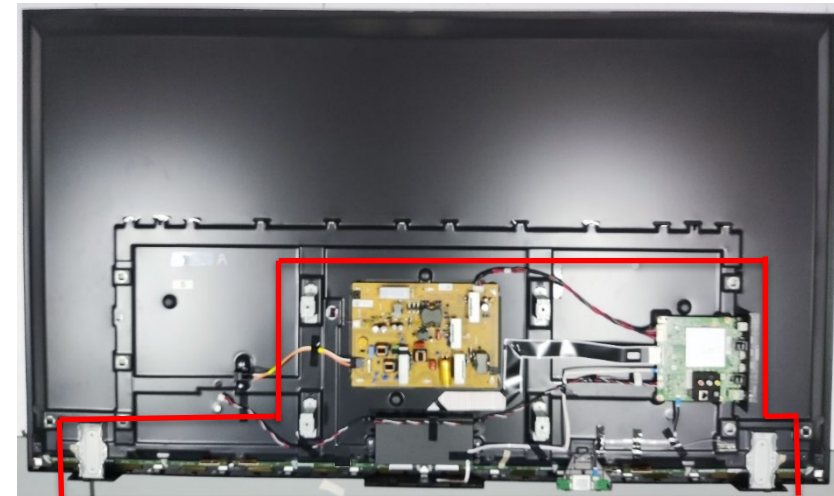
5). REMOVE THE BEZEL

Pull off
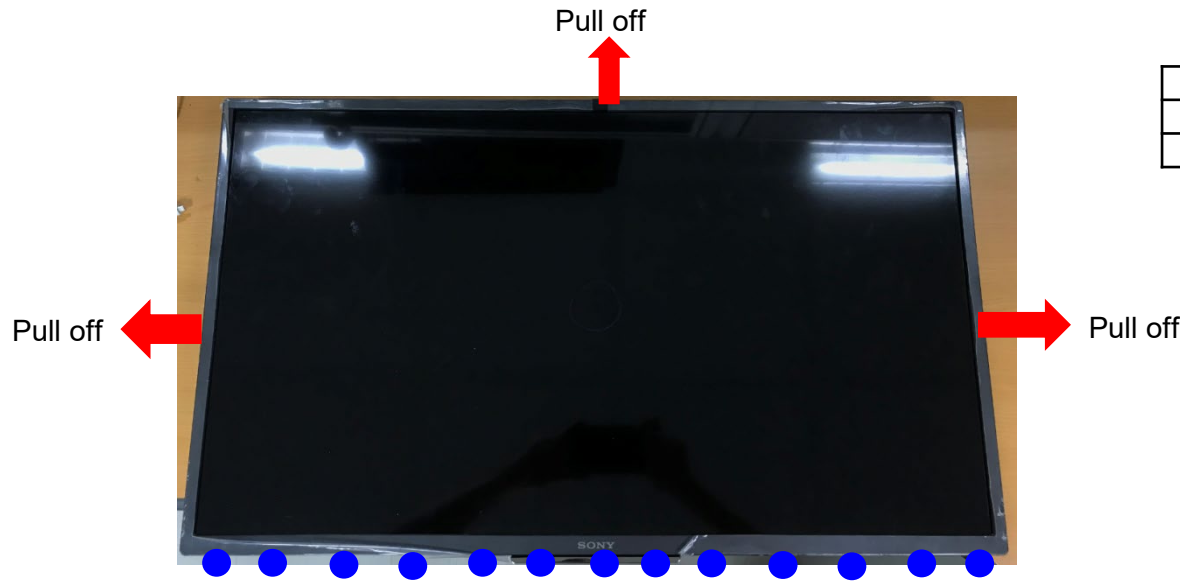
Pull off

Pull off

	DESCRIPTION	Quantity
⚠	ASSY, BEZEL FRONT	1
🔵	SCREW M2.5L4	13

1. Remove the Bezel Screw.
2. Pull off the T/L/R side of Bezel firstly.

3. Take off Bezel top side, then bottom side.

LCM without Bezel

6). TAKE OFF THE O-CELL

	DESCRIPTION	Quantity	REMARK
	LIQUID CRYSTAL ELEMENT(HV650QUB-N9L)	1	
⭕	FILM COVER TAPE B (55/65)	5	Can not reuse
⭕	THERMAL TAPE (43/50)	12	Can not reuse
⭕	RATTLE SOUND TAPE(65)	4	Can not reuse

1.Take off FILM COVER TAPE B (55/65) (5pcs).

2. Take off PWB locker firstly (8 position).

KD-65X75K(LA1/UC2)
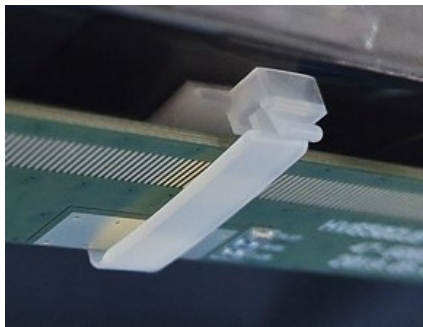
7). TAKE OFF THE MIDDLE CHASSIS
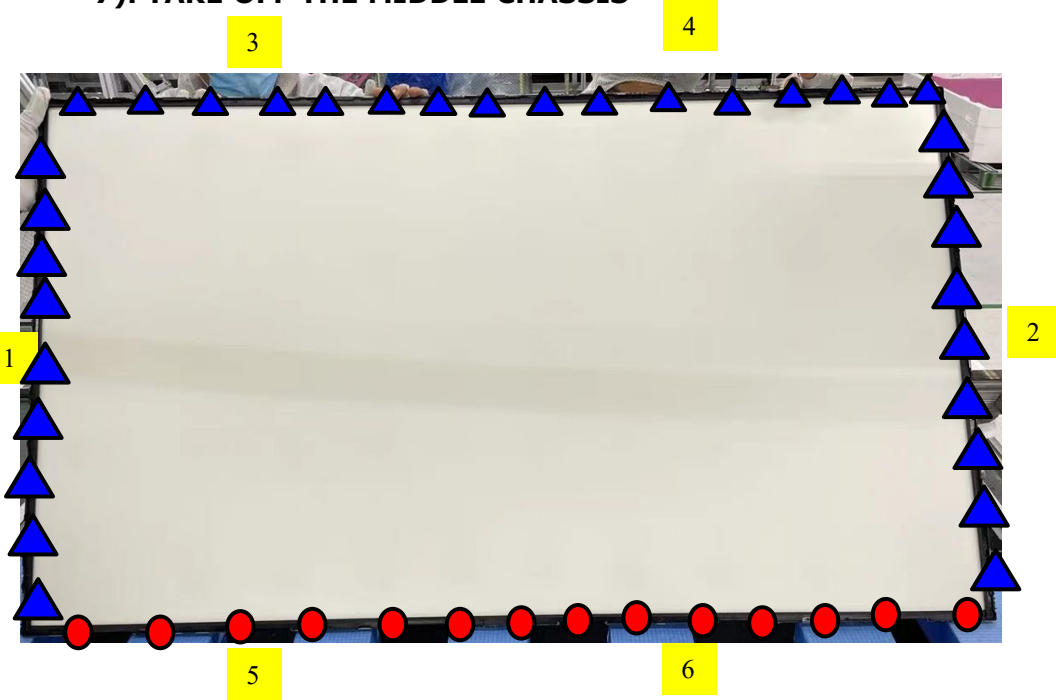
	DESCRIPTION	Quantity	REMARK
1	MIDDLE CHASSIS ASSY_LEFT(65)	1	
2	MIDDLE CHASSIS ASSY_RIGHT(65)	1	
3	MIDDLE CHASSIS ASSY_TOP_L(65)	1	
4	MIDDLE CHASSIS ASSY_TOP_R(65)	1	
5	MIDDLE CHASSIS ASSY_BTM_L(65)	1	
6	MIDDLE CHASSIS ASSY_BTM_R(65)	1	

1.Firstly.remove the MIDDLE CHASSIS ASSY_LEFT(65)&MIDDLE CHASSIS ASSY_RIGHT(65).
2.Second,remove the MIDDLE CHASSIS ASSY_TOP_L(65)&MIDDLE CHASSIS ASSY_BTM_L(65).
3.Third, remove the MIDDLE CHASSIS ASSY_TOP_R(65)&MIDDLE CHASSIS ASSY_BTM_R(65).

SYS SET

8). TAKE OFF THE FILM (MOP, Diffuser plate)

FIXED_TAPE_B

FIXED_TAPE_B on MOP sheet
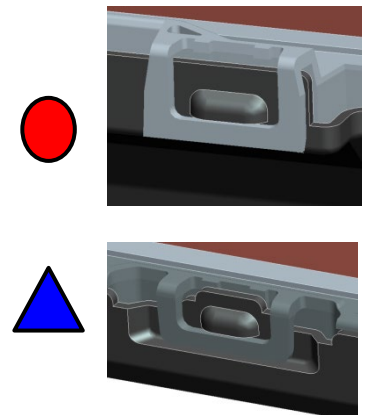
FIXED_TAPE_B on Diffuser plate
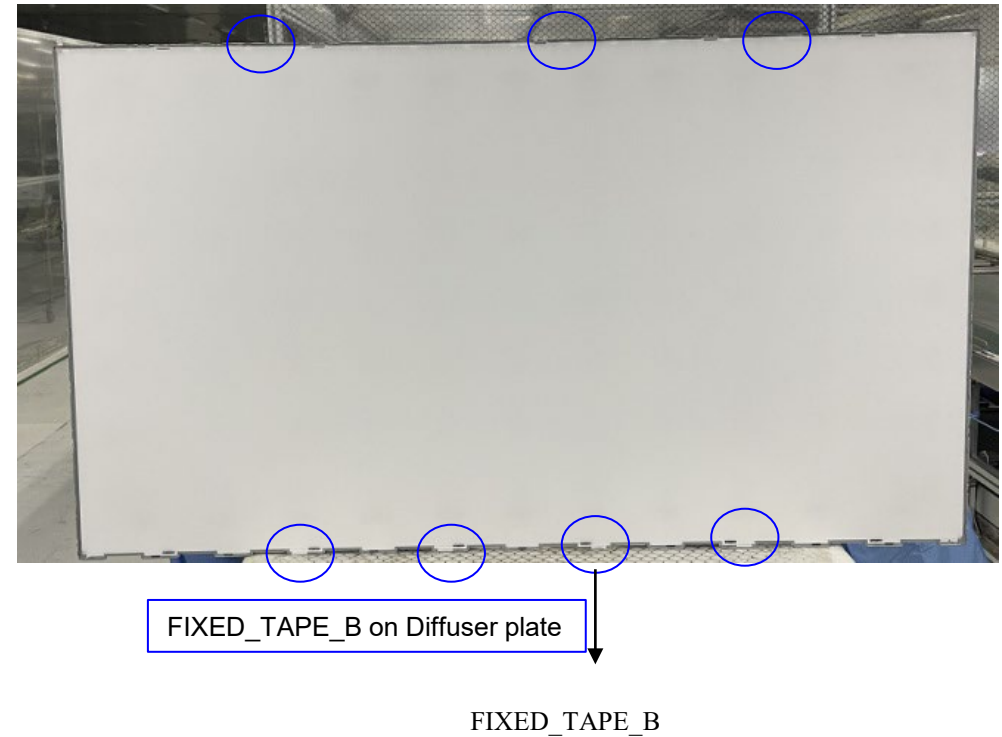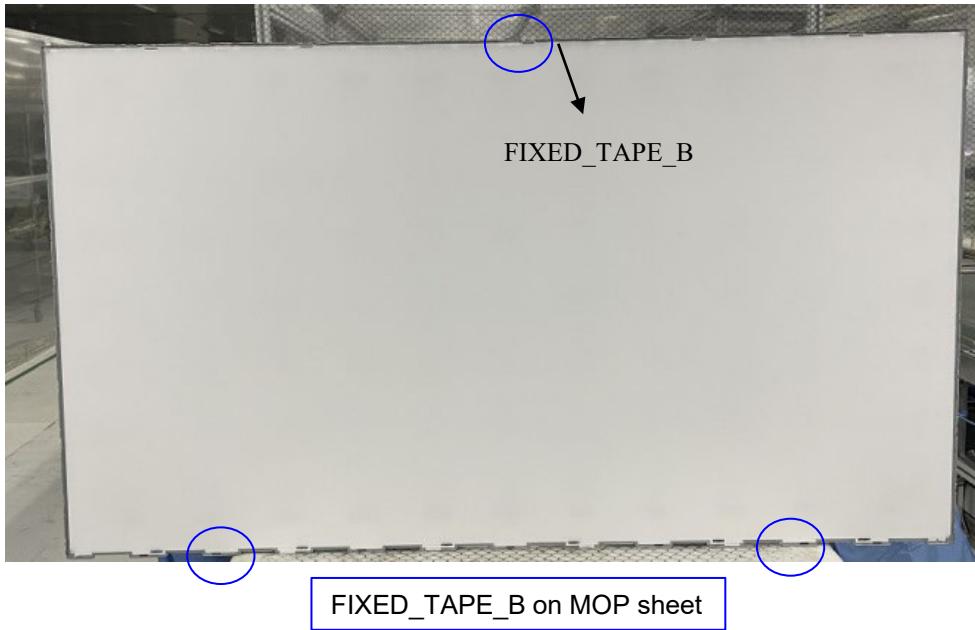
FIXED_TAPE_B

1. Take off the FIXED_TAPE_B on MOP sheet(total 3pcs).
2. Take off the MOP sheet.
3. Take fff the FIXED_TAPE_B on Diffuser plate(total 7pcs).
4. Take off the Diffuser plate.

	DESCRIPTION	Quantity	REMARK
	MOP	1	Can not reuse
	DIFFUSER PLATE	1	
⬯	FIXED_TAPE_B	10	Can not reuse

9). TAKE OFF THE REFLECTOR SHEET
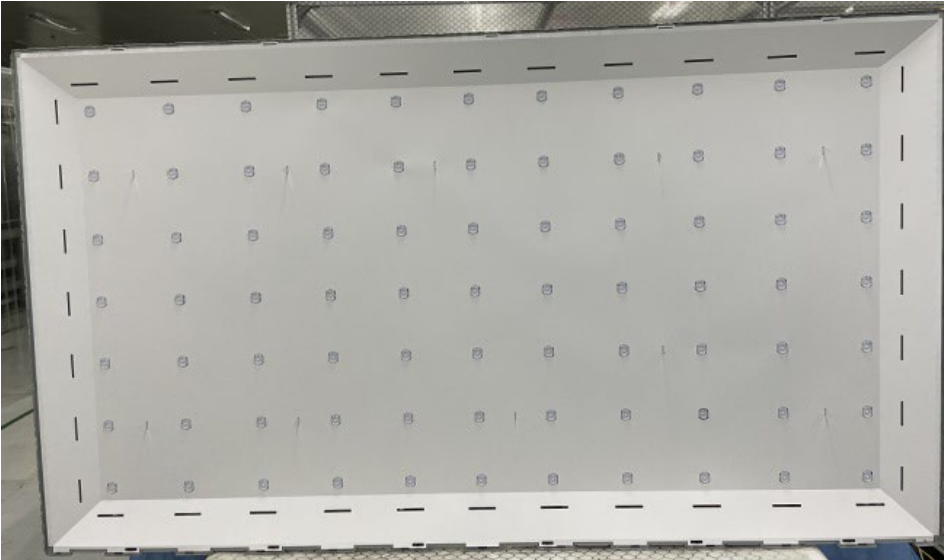
1. Take off the Reflector Sheet.

DESCRIPTION	Quantity	REMARK
REFLECTOR SHEET	1	

10). TAKE OFF THE LIGHT BAR AND CABLE
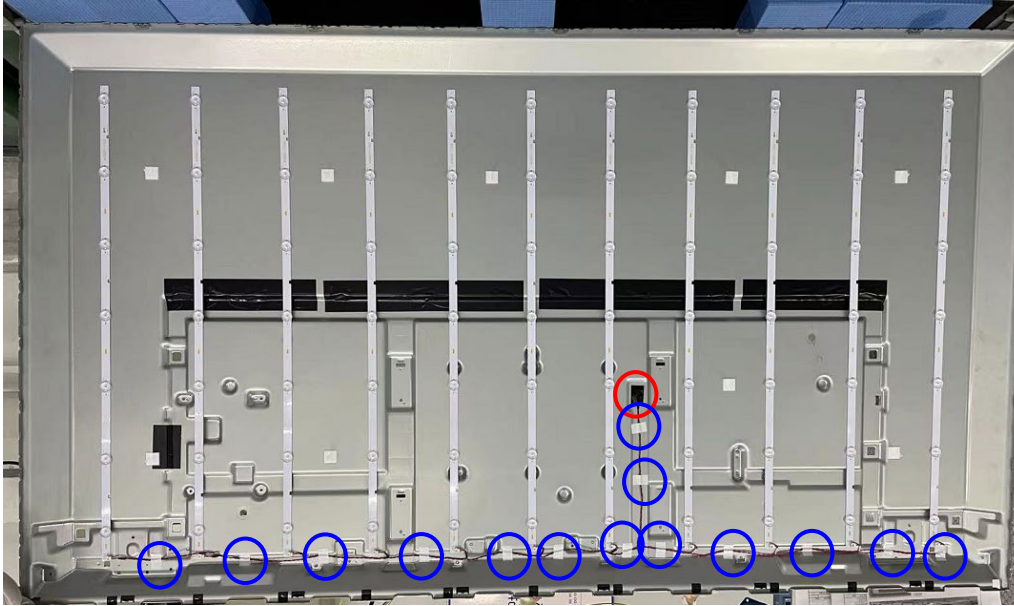
1. Remove LB CABLE FIXED TAPE (14pcs).
2. Remove LB CABLE HOLE TAPE (1pcs).
3. Remove LS BAR, LEXTAR LB5009Q.0 (65) (11pcs)

	DESCRIPTION	Quantity	REMARK
🔵	LB CABLE FIXED TAPE	14	Can not reuse
🔴	LB CABLE HOLE TAPE	1	Can not reuse
	LS BAR, LEXTAR LB5009Q.0 (65)	10	Can not reuse

TAPE LAYOUT

KD-65X75K
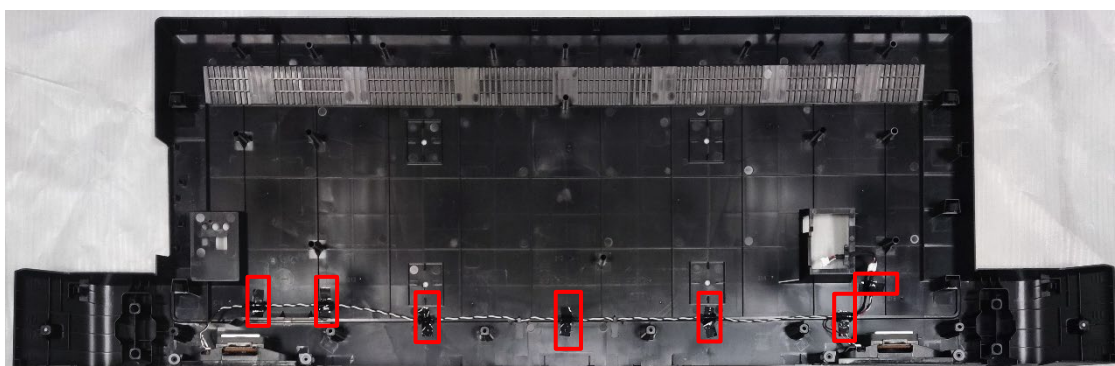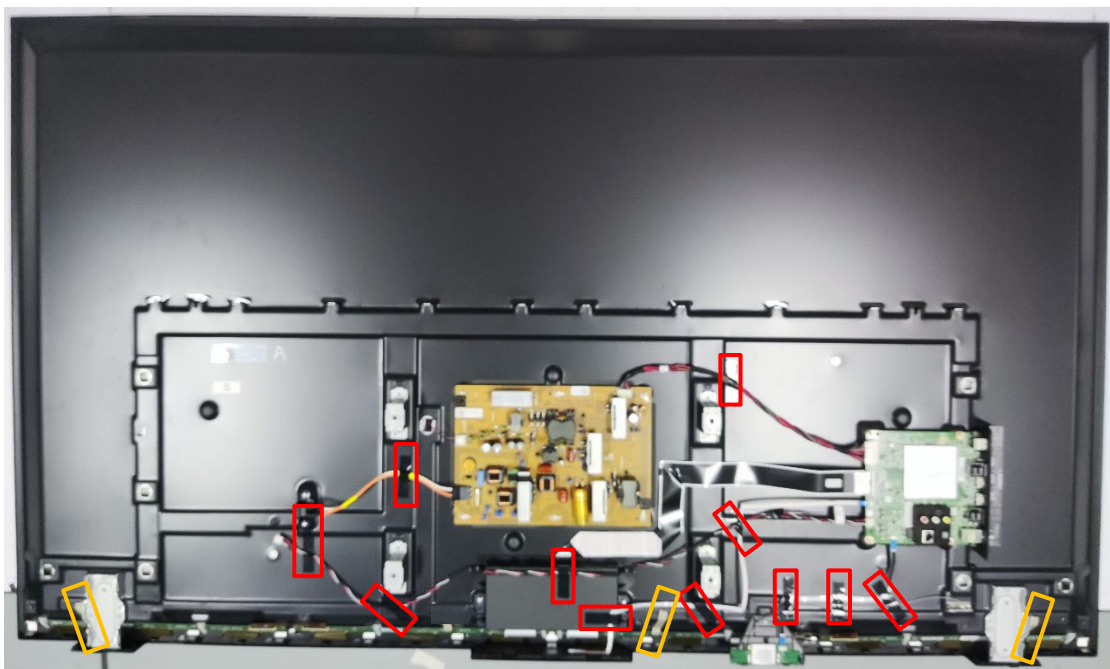
☐ EMI TAPE_A(55) 3PCS

☐ 60*15mm 18PCS

DESCRIPTION	REMARK
TAPE (3M 1350FB-1)15MMX66M BLK	Can not reuse
EMI TAPE_A(55)	Can not reuse

SYS SET

SEC 2. DIAGRAMS AND CHASSIS STRUCTURE *DIAGRAMS AND CHASSIS STRUCTURE*

2-1-1. CONNECTOR DIAGRAM (APA2 32"/APA2 43"/APL2 43"/APL2 50")

Main Board

Panel

| CN500 | 51 Pin FFC for 43"/50"
30pin FFC for 32" |

DC output : 19.5V / 6.2A

CN1

Adaptor

| CN2 | Backlight
8 Pin Wire Harness |

43"/50":
IR/LED
/Keypad
Board

32": IR/LED
Board

| CN901 | 8 Pin FFC |

AC input : 100VAC~ 240VAC

32":
Keypad
Board

| CN903 | 6 Pin FFC |

Wi-Fi
Module

| CN951 | 10 Pin FFC |

Speaker

| CN802 | L/R
4 Pin Wire Harness |
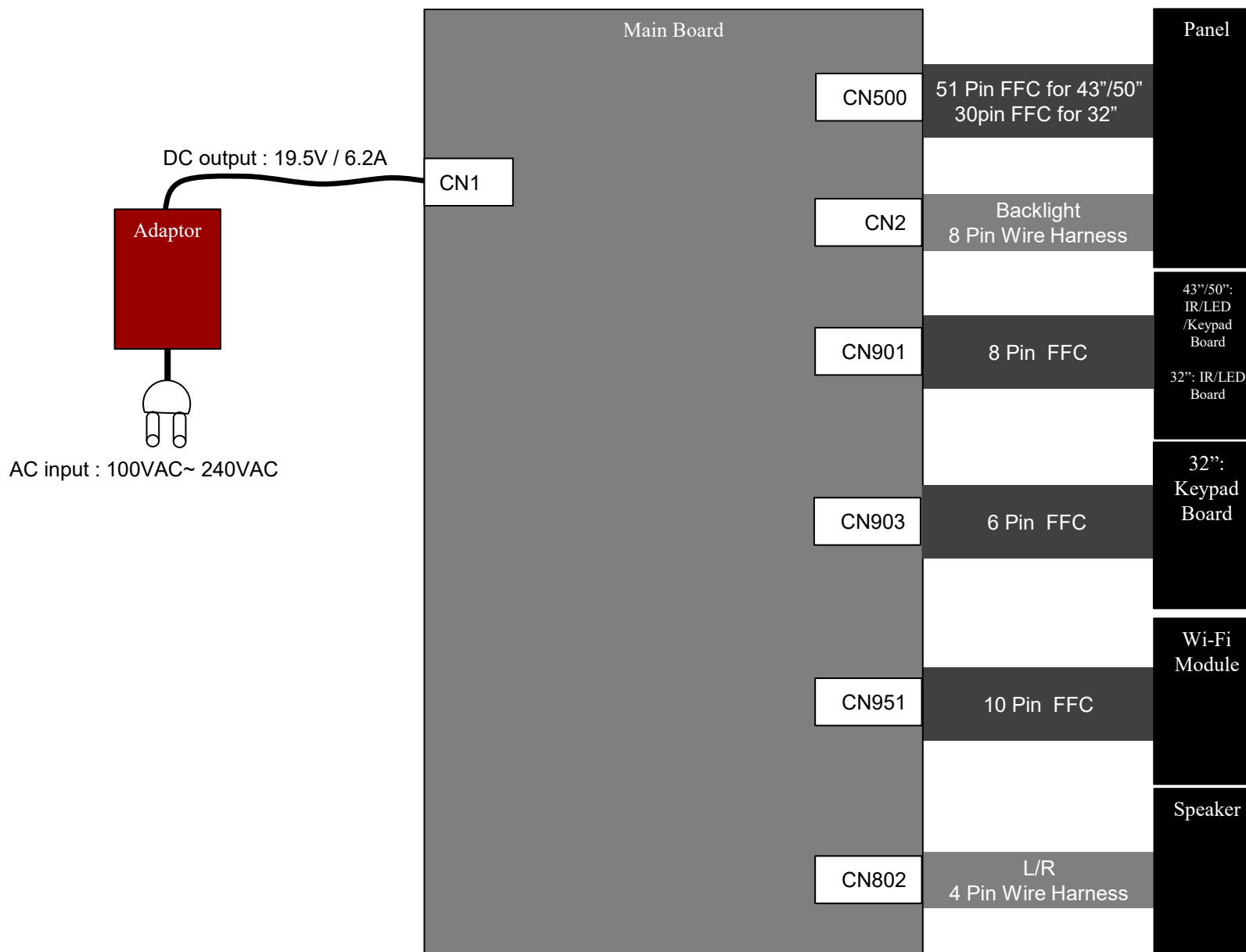
2-1-2. CONNECTOR DIAGRAM (APL2 55"/APL2 65")
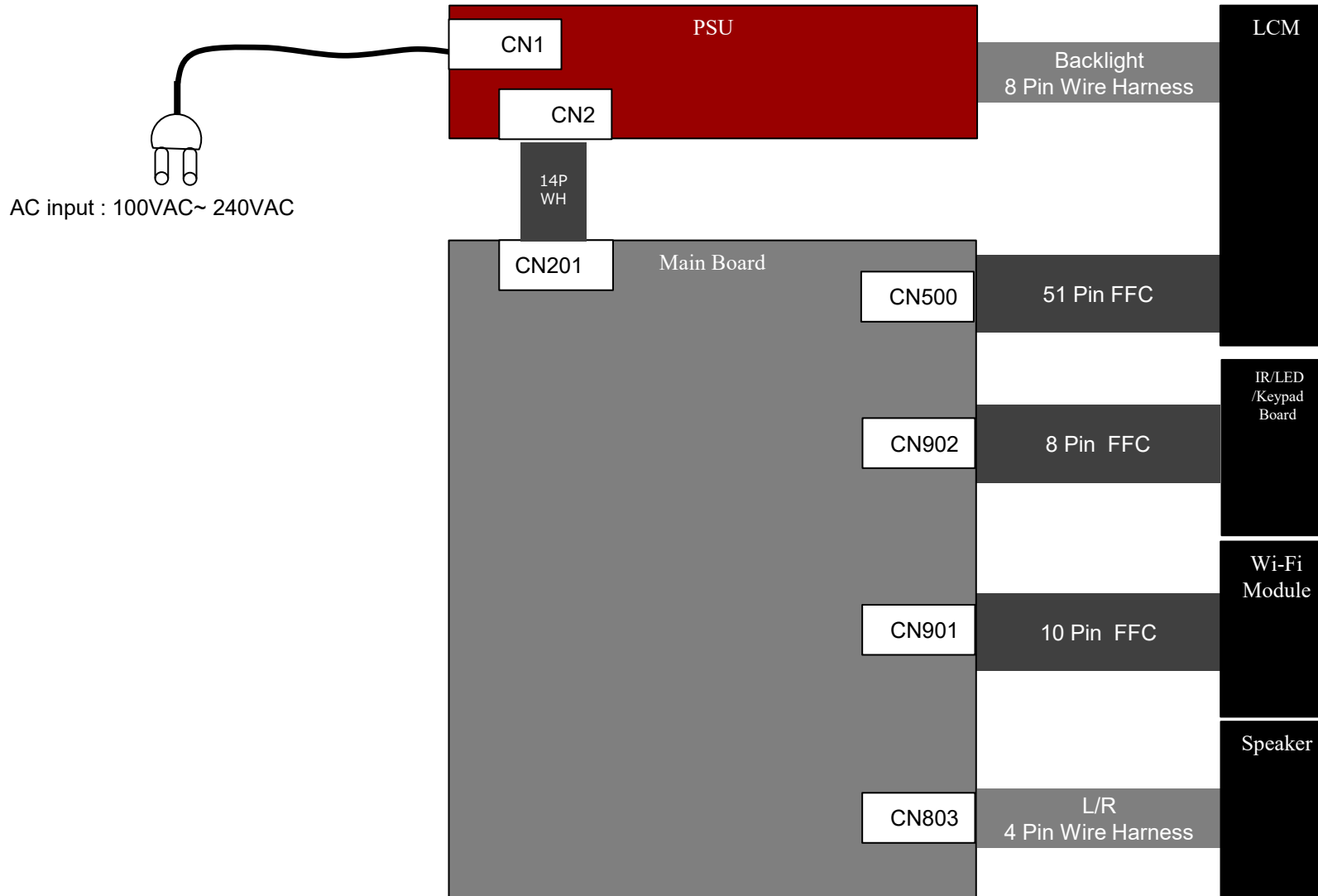
2-2. CIRCUIT BOARDS LOCATION

KD-32W820K/30K/(30K/U)

① PWB A BOARD

② PWB A BOARD
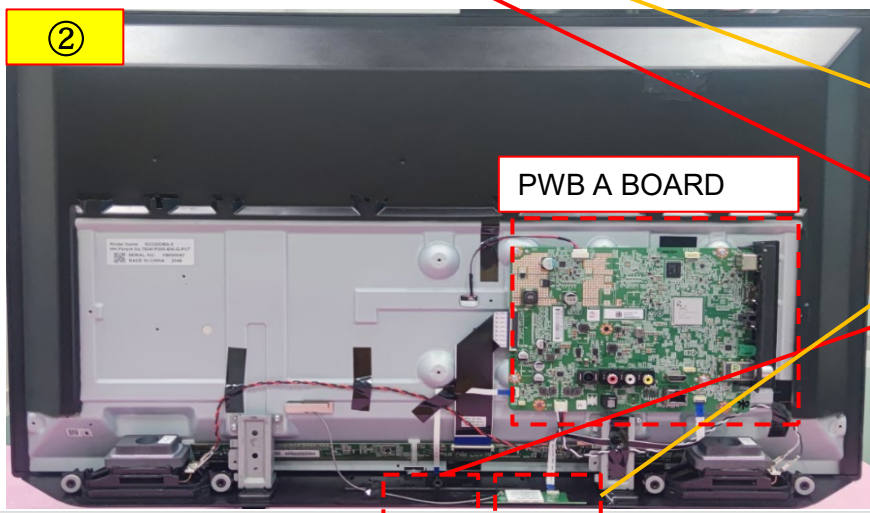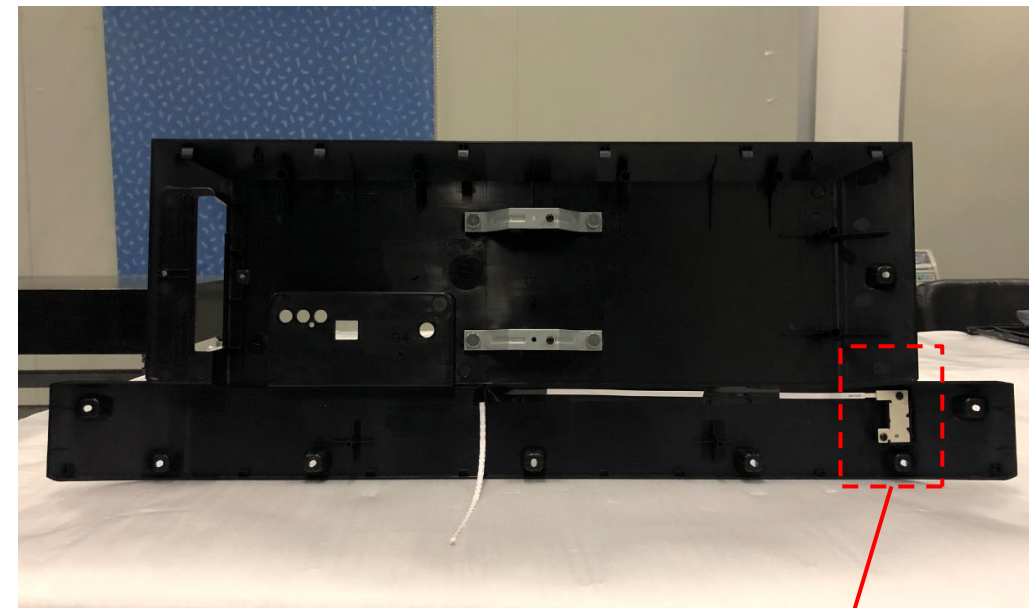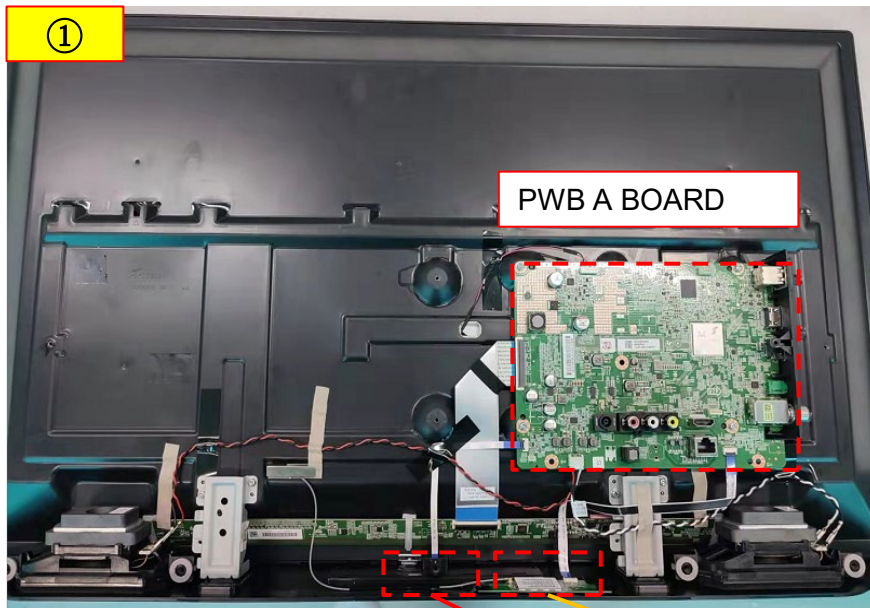
MOUNTED PWB WIFI

MOUNTED PWB H (IR)

MOUNTED PWB KEYPAD

2-2. CIRCUIT BOARDS LOCATION

KD-55X74K/75K/(75K/1)/(75K/U)/75AK/(75AK/1)

PSU PWB G BOARD (55)

MOUNTED PWB A BOARD (55/65)

MOUNTED PWB H (IR) (55/65)

MOUNTED PWB WIFI WBUR56
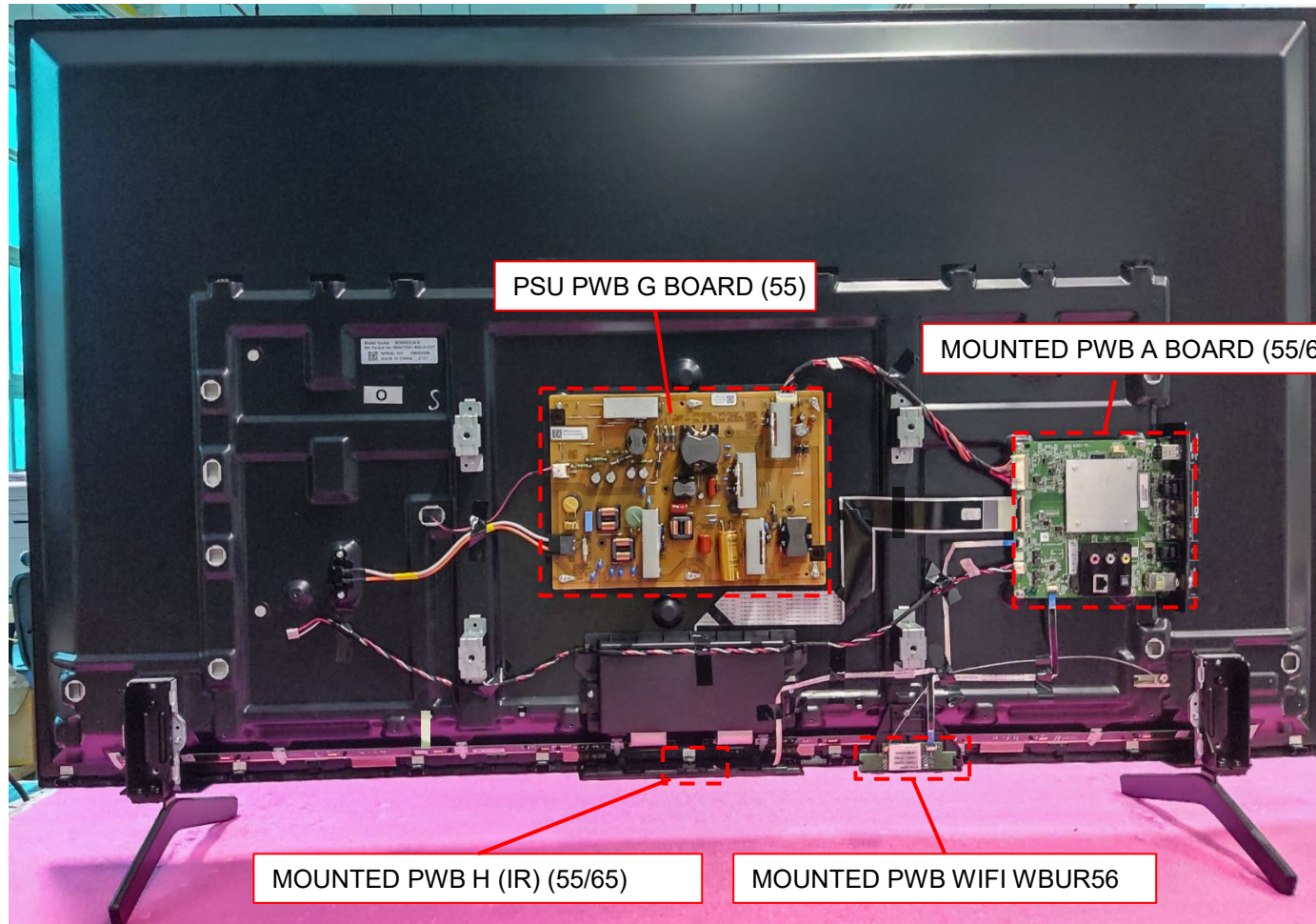
2-2. CIRCUIT BOARDS LOCATION

KD-65X74K/75K/(75K/1)/(75K/U)/75AK/(75AK/1)

PSU PWB G BOARD (65)

MOUNTED PWB A BOARD (55/65)

MOUNTED PWB H (IR) (55/65)

MOUNTED PWB WIFI WBUR56
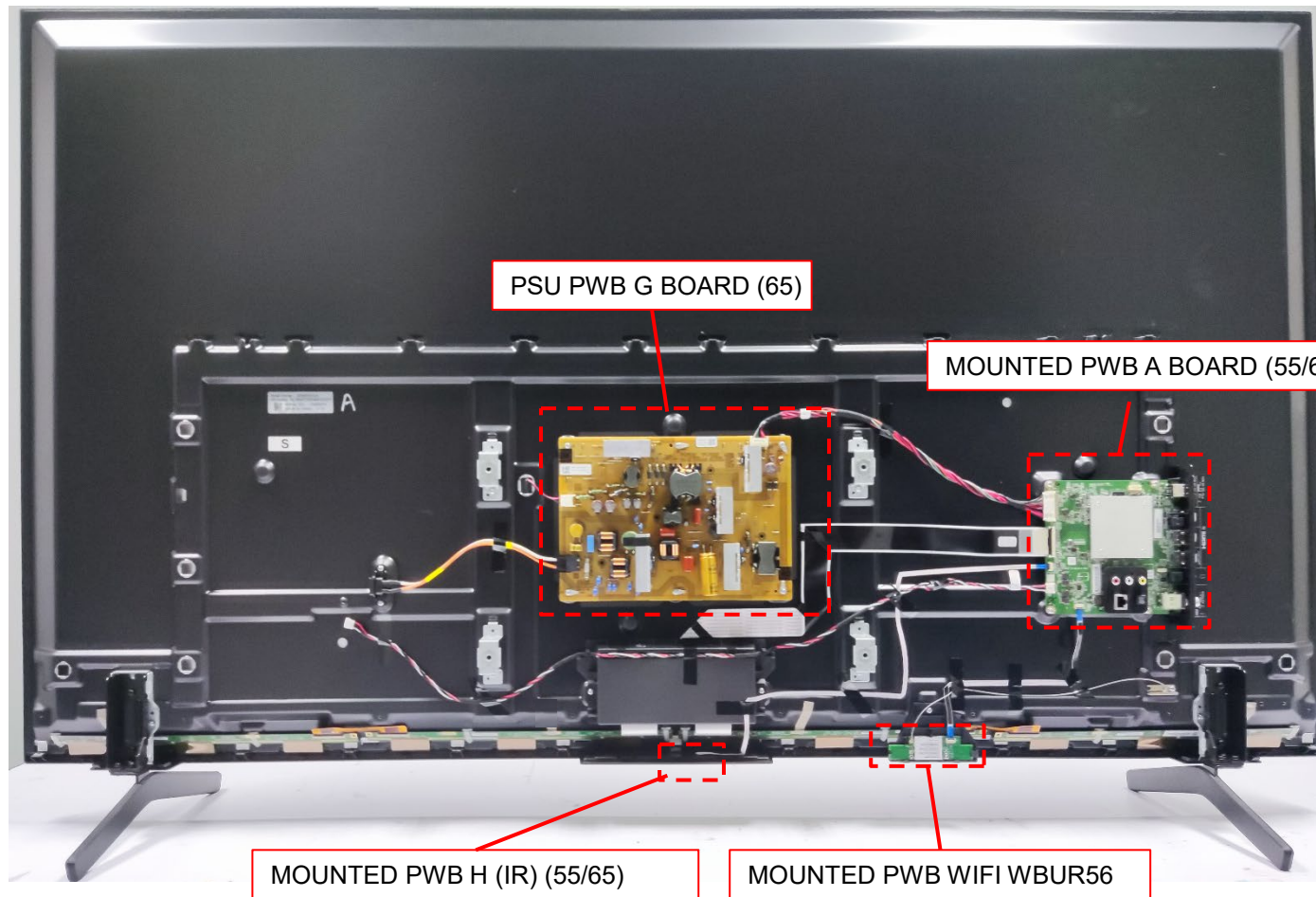
End

APPENDIX-1 Trouble Shooting

➤ 1-1. Main Board IC Defect
1-1-1 32" Main Board

Reference	Input		Output	
	Measure Point	Operating Spec	Measure Point	Operating Spec
F1	FI pin1	18V ~ 20.5V	FI pin2	18V ~ 20.5V
U2/U3 IC (BD9424MWV-E2)	F4/F5 pin1	18V ~ 20.5V	Voltage between TP3&TP2,1 Voltage between TP4&TP5,6	29.8V ~ 35.8V with loading
U4 IC (AOZ2253TQI-20)	F2 pin2	18V ~ 20.5V	Q2 pin1	10.8V ~ 13.2V
U201 IC (AOZ2152PQI-04)	F201 pin2	18V ~ 20.5V	TP201	4.75V ~ 5.25V
U202 IC (AOZ2151EQI-30)	F202 pin1	18V ~ 20.5V	TP202	3.13V ~ 3.46V
U203 IC (AOZ2253TQI-11)	F203 pin1	18V ~ 20.5V	TP203	0.98V ~ 1.03V
U204 IC (JW5060TTSOTC#TRPBF)	F204 pin2	18V ~ 20.5V	TP204	1.04V~1.07V
U205 IC (APW8827ACI-TRG)	TP201	4.75V ~ 5.25V	TP205	1.14V~1.26V
U209 IC (APW7408BI-TRG)	TP207	3.13V ~ 3.46V	TP206	0.95V~1.05V
U801 IC (TPA6138A2PWR)	TP207	3.13V ~ 3.46V	TP804,TP805	Line Out Output Normally
U802 IC (RT9119GQV)	F800 pin2	18V ~ 20.5V	TP808,TP809,TP810,TP811	Speaker Output Normally

SYS SET
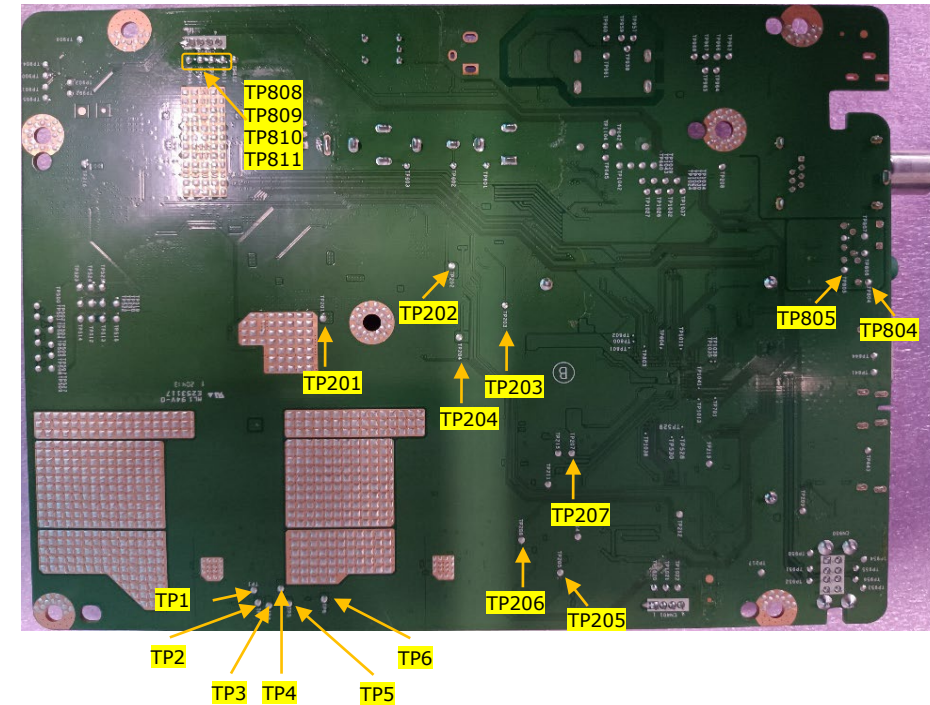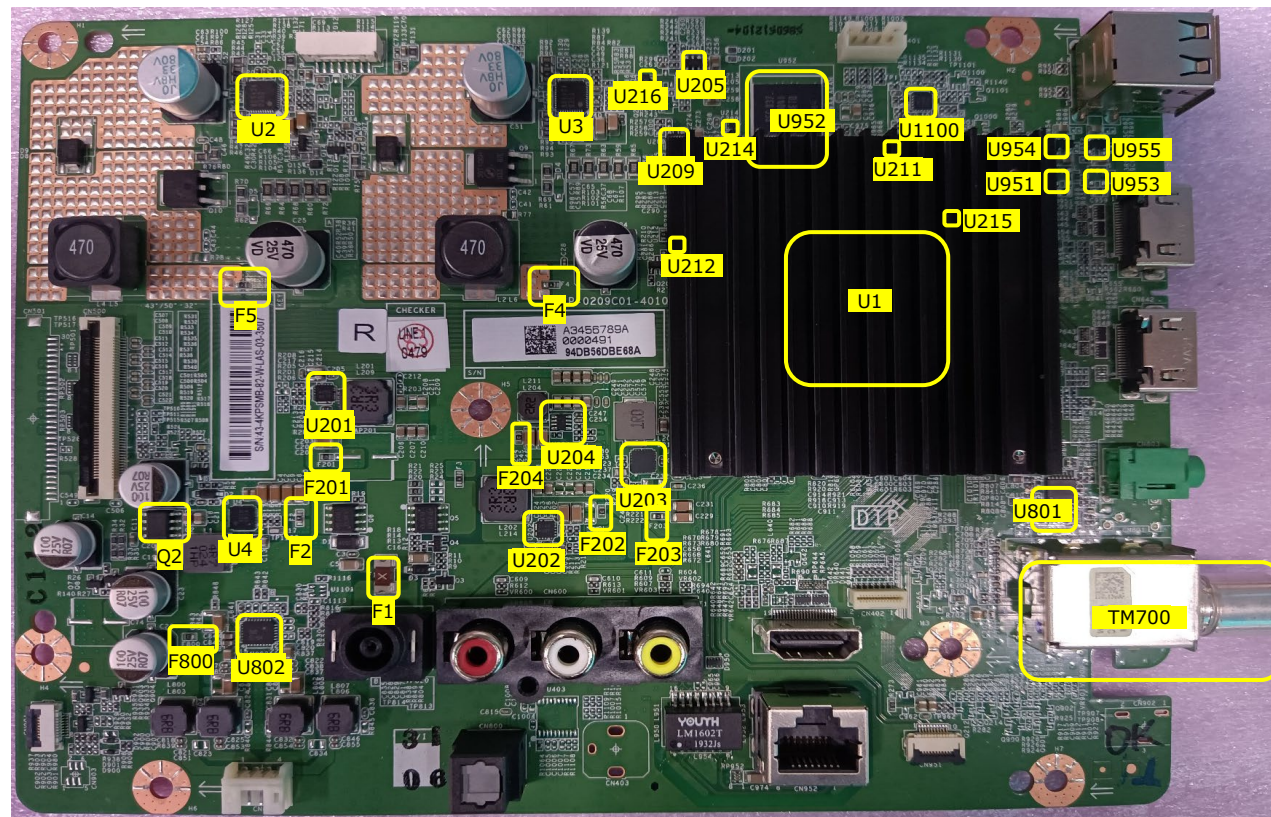
APPENDIX-1 Trouble Shooting

1-1-2 55"/65 Main Board

Sony PN	FXC PN	Reference	Input		Output	
			Measure Point	Operating Spec	Measure Point	Operating Spec
NEW	15-MP2330G-0000	U201 IC MP2330GTL-C814-Z	TP211	18~20.5V	TP217	3.13V ~ 3.46V
NEW	15-MP2330G-0000	U202 IC MP2330GTL-C814-Z	TP211	18~20.5V	TP218	4.9V ~ 5.1V
690200701	15-JW5060T-0000	U203 IC JW5060TTSOTC#TRPBF	TP211	18~20.5V	TP219	1.03V~1.09V
690201301	AOZ2253TQI-11	U204 IC AOZ2253TQI-11	TP211	18~20.5V	TP220	0.95V~1.05V
NEW	15-MP2330G-0000	U202 IC MP2330GTL-C814-Z	TP211	18~20.5V	TP212	11.5V ~ 12.5V
NEW	15-MP1605G-0000	U206 IC MP1605GTF-C696-Z	TP217	3.13V ~ 3.46V	TP222	1.18V~1.25V
690201801	15-MP1601N-0000	U211 IC MP1601NGTF-C734-Z	TP224	3.13V ~ 3.46V	TP202	0.99V~1.05V
NEW	15-RP114K2-0002	U208 IC RP114K181D-TRB	TP226	3.13V ~ 3.46V	TP225	1.75V~1.85V
NEW	15-RP114K2-0002	U209 IC RP114K181D-TRB	TP226	3.13V ~ 3.46V	TP224	1.75V~1.85V
NEW	15-RP114K2-0001	U207 IC RP114K251D-TRB	TP226	3.13V ~ 3.46V	TP223	1.75V~1.85V
671819401	15-TPA6138-0001	U801 IC (TPA6138A2PWR)	TP217	3.13V ~ 3.46V	TP801,TP802	Line Out Output Normally
690202101	15-RT9119G-0000	U802 IC (RT9119GQV)	F800 pin2	18V ~ 20.5V	TP806,TP807,TP808,TP809	Speaker Output Normally

KD-55X75K(LA1/UC2)
KD-65X75K(LA1//UC2)

APPENDIX-1 Trouble Shooting

➢ **1-2. TV**
1-2-1. No Power-Adaptor model

No power

Adaptor 19V F1 Pin1 On MB board — NG → Replace Adaptor

OK ↓

REMOTE or KEYPAD power on — NG → (System power check)

OK ↓

Close

System power check

REG_19V F201 Pin1 On MB board — NG →

OK ↓

+3.3V_STBY TP202 On MB board — NG → Replace U202 On MB board — NG

OK ↓

+1.5V_DDR TP205 On MB board — NG → Replace U205 On MB board — NG

OK ↓

REG_12V Q2 Pin1 On MB board — NG → Replace U4 On MB board — NG

OK ↓

+1.0V_CORE TP203 On MB board — NG → Replace U203 On MB board — NG

OK ↓

+1.0V_SCPU TP204 On MB board — NG → Replace U204 On MB board — NG

OK ↓

+3.3V_MAIN TP207 On MB board — NG

OK ↓

+5.0V_MAIN TP201 / +1.0V_A TP206 / +1.8V_EMMC TP212 / +1.8V_EMMC_SOC TP213 / +2.5V_DDR TP214 On MB board — NG → Replace U201 / Replace U209 / Replace U211 / Replace U215 / Replace U214 On MB board — NG

OK ↓

Update FW — NG → Replace SoC U1 & U952 EMMC &Update FW

OK ↓

Close

Replace MB → Close

KD-32W830K/KD-32W820K(IN5),KD-32W830K/U(AF1),KD-32W830K (HK5/TH8/MY1/E51/AF1/AZ1/VN3/PL1),KD-43X74K(IN5),KD-43X75K/U(AF1),KD-43X75K(TH8/IN5/MY1/E51/AF1/AZ1/VN3/IA2/PL1),KD-50X74K(IN5),KD-50X75K/U(AF1),KD-50X75K(TH8/IN5/MY1/E51/AF1/AZ1/VN3/IA2/PL1),KD-43W870K/KD-43W880K(IN5),KD-55X74K(IN5),KD-55X75K(IN5/TH8/MY1/E51/AF1/AZ1/VN3/IA2/PL1),KD-55X75AK(E51/AF1),KD-55X75AK/1(AF1),KD-55X75K/U(AF1),KD-55X75K/1(AF1),KD-65X74K(IN5),KD-65X75K(IN5/TH8/MY1/E51/AF1/AZ1/VN3/IA2/PL1),KD-65X75AK(E51/AF1),KD-65X75AK/1(AF1),KD-65X75K/U(AF1),KD-65X75K/1(AF1)

SYS SET

APPENDIX-1 Trouble Shooting

➤ 1-2. TV
1-2-1. No Power-PSU model

```
No power
   │
   ▼
PSU19V
CN201 pin 6    ──NG──▶   Replace PSU
On MB board
   │
   OK
   ▼
REMOTE or       ──NG──▶   REG_19V
KEYPAD                    F201/F202/F203
power on                  /F204/F205 Pin2   ──NG──▶
   │                      On MB board
   OK                        │
   ▼                         OK
 Close                       ▼
```

System power check

```
+3.3V_STBY    ──NG──▶  Replace U201 On MB board   ──NG──▶
TP217 On
MB board
   │ OK
   ▼
+5.0V_MAIN    ──NG──▶  Replace U202 On MB board   ──NG──▶
TP218 On
MB board
   │ OK
   ▼
+1.0V_SCPU    ──NG──▶  Replace U203 On MB board   ──NG──▶
TP219 On
MB board
   │ OK
   ▼
+1.0V_CORE    ──NG──▶  Replace U204 On MB board   ──NG──▶
TP220 On
MB board
   │ OK
```

```
Close  ◀──  Replace MB  ◀── 

+1.2V_DDR     ──NG──▶  Replace U206 On MB board   ──NG──▶
TP222 On
MB board
   │ OK
   ▼
+3.3V_MAIN    ──NG──▶
TP224 On
MB board
   │ OK
   ▼
Update FW     ──NG──▶  Replace SoC U401 & U500 EMMC &Update FW
   │ OK                     │ OK
   ▼                        
 Close  ◀────────────────────
```

KD-32W830K/KD-32W820K(IN5),KD-32W830K/U(AF1),KD-32W830K (HK5/TH8/MY1/E51/AF1/AZ1/VN3/PL1),KD-43X74K(IN5),KD-43X75K/U(AF1),KD-43X75K(TH8/IN5/MY1/E51/AF1/AZ1/VN3/IA2/PL1),KD-50X74K(IN5),KD-50X75K/U(AF1),KD-50X75K(TH8/IN5/MY1/E51/AF1/AZ1/VN3/IA2/PL1),KD-43W870K/KD-43W880K(IN5),KD-55X74K(IN5),KD-55X75K(IN5/TH8/MY1/E51/AF1/AZ1/VN3/IA2/PL1),KD-55X75AK(E51/AF1),KD-55X75AK/1(AF1),KD-55X75K/U(AF1),KD-55X75K/1(AF1),KD-65X74K(IN5),KD-65X75K(IN5/TH8/MY1/E51/AF1/AZ1/VN3/IA2/PL1),KD-65X75AK(E51/AF1),KD-65X75AK/1(AF1),KD-65X75K/U(AF1),KD-65X75K/1(AF1)

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SYS SET

APPENDIX-1 Trouble Shooting

1-2-3. No Display – Adaptor model

No power

PSU19V CN201 pin 6 On MB board — NG → Replace PSU

OK

REMOTE or KEYPAD power on — NG → (System power check)

OK

Close

System power check

REG_19V F201/F202/F203 /F204/F205 Pin2 On MB board — NG →

OK

+3.3V_STBY TP217 On MB board — NG → Replace U201 On MB board — NG →

OK

+5.0V_MAIN TP218 On MB board — NG → Replace U202 On MB board — NG →

OK

+1.0V_SCPU TP219 On MB board — NG → Replace U203 On MB board — NG →

OK

+1.0V_CORE TP220 On MB board — NG → Replace U204 On MB board — NG →

OK

Close ← Replace MB ← +1.2V_DDR TP222 On MB board — NG → Replace U206 On MB board — NG →

OK

+3.3V_MAIN TP224 On MB board — NG →

OK

Update FW — NG → Replace SoC U401 & U500 EMMC &Update FW

OK

Close

KD-32W830K/KD-32W820K(IN5),KD-32W830K/U(AF1),KD-32W830K (HK5/TH8/MY1/E51/AF1/AZ1/VN3/PL1),KD-43X74K(IN5),KD-43X75K/U(AF1),KD-43X75K(TH8/IN5/MY1/E51/AF1/AZ1/VN3/IA2/PL1),KD-50X74K(IN5),KD-50X75K/U(AF1),KD-50X75K(TH8/IN5/MY1/E51/AF1/AZ1/VN3/IA2/PL1),KD-43W870K/KD-43W880K(IN5),KD-55X74K(IN5),KD-55X75K(IN5/TH8/MY1/E51/AF1/AZ1/VN3/IA2/PL1),KD-55X75AK(E51/AF1),KD-55X75AK/1(AF1),KD-55X75K/U(AF1),KD-55X75K/1(AF1),KD-65X74K(IN5),KD-65X75K(IN5/TH8/MY1/E51/AF1/AZ1/VN3/IA2/PL1),KD-65X75AK(E51/AF1),KD-65X75AK/1(AF1),KD-65X75K/U(AF1),KD-65X75K/1(AF1)

SYS SET

APPENDIX-1 Trouble Shooting

1-2-4. No Display – PSU model

```
6 Times Blinking
or no backlight
        │
        ▼
REMOTE or                OK
KEYPAD power ──────────────────────────────────────────┐
on                                                      │
        │ NG                                            │
        ▼                                               │
Check backlight    NG   Replace          NG             │
connection &  ───────►  light bar or  ───────►          │
LCM light bar           light bar cable                 │
        │ OK                  │ OK              Replace MB
        │                     │                         │
        ▼                     │                         │
      Close ◄─────────────────┴─────────────────────────┘
```

```
5 Times Blinking
Or no display w/
backlight
        │
        ▼
Check           NG    Replace         OK
TP221 on  ──────────► U205 On     ──────────┐
MB                    MB board              │
        │ OK                                │
        ▼                                   │
Replace              OK                     │
VBO         ──────────────────────┐         │
Cable                             │         │
        │ NG                      │         │
        ▼                         │         │
Replace          NG               │         │
TCON        ──────────► Replace MB │         │
board                             │         │
        │ OK                      │         │
        ▼                         ▼         ▼
      Close ◄───────────────────────────────
```

KD-32W830K/KD-32W820K(IN5),KD-32W830K/U(AF1),KD-32W830K (HK5/TH8/MY1/E51/AF1/AZ1/VN3/PL1),KD-43X74K(IN5),KD-43X75K/U(AF1),KD-43X75K(TH8/IN5/MY1/E51/AF1/AZ1/VN3/IA2/PL1),KD-50X74K(IN5),KD-50X75K/U(AF1),KD-50X75K(TH8/IN5/MY1/E51/AF1/AZ1/VN3/IA2/PL1),KD-43W870K/KD-43W880K(IN5),KD-55X74K(IN5),KD-55X75K(IN5/TH8/MY1/E51/AF1/AZ1/VN3/IA2/PL1),KD-55X75AK(E51/AF1),KD-55X75AK/1(AF1),KD-55X75K/U(AF1),KD-55X75K/1(AF1),KD-65X74K(IN5),KD-65X75K(IN5/TH8/MY1/E51/AF1/AZ1/VN3/IA2/PL1),KD-65X75AK(E51/AF1),KD-65X75AK/1(AF1),KD-65X75K/U(AF1),KD-65X75K/1(AF1)

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SYS SET

APPENDIX-1 Trouble Shooting

1-2-5. No Sound

KD-32W830K/KD-32W820K(IN5),KD-32W830K/U(AF1),KD-32W830K (HK5/TH8/MY1/E51/AF1/AZ1/VN3/PL1),KD-43X74K(IN5),KD-43X75K/U(AF1),KD-43X75K(TH8/IN5/MY1/E51/AF1/AZ1/VN3/IA2/PL1),KD-50X74K(IN5),KD-50X75K/U(AF1),KD-50X75K(TH8/IN5/MY1/E51/AF1/AZ1/VN3/IA2/PL1),KD-43W870K/KD-43W880K(IN5),KD-55X74K(IN5),KD-55X75K(IN5/TH8/MY1/E51/AF1/AZ1/VN3/IA2/PL1),KD-55X75AK(E51/AF1),KD-55X75AK/1(AF1),KD-55X75K/U(AF1),KD-55X75K/1(AF1),KD-65X74K(IN5),KD-65X75K(IN5/TH8/MY1/E51/AF1/AZ1/VN3/IA2/PL1),KD-65X75AK(E51/AF1),KD-65X75AK/1(AF1),KD-65X75K/U(AF1),KD-65X75K/1(AF1)

APPENDIX-1 Trouble Shooting

1-2-6. Remote Control Or Keypad Operating NG

KD-32W830K/KD-32W820K(IN5),KD-32W830K/U(AF1),KD-32W830K (HK5/TH8/MY1/E51/AF1/AZ1/VN3/PL1),KD-43X74K(IN5),KD-43X75K/U(AF1),KD-43X75K(TH8/IN5/MY1/E51/AF1/AZ1/VN3/IA2/PL1),KD-50X74K(IN5),KD-50X75K/U(AF1),KD-50X75K(TH8/IN5/MY1/E51/AF1/AZ1/VN3/IA2/PL1),KD-43W870K/KD-43W880K(IN5),KD-55X74K(IN5),KD-55X75K(IN5/TH8/MY1/E51/AF1/AZ1/VN3/IA2/PL1),KD-55X75AK(E51/AF1),KD-55X75AK/1(AF1),KD-55X75K/U(AF1),KD-55X75K/1(AF1),KD-65X74K(IN5),KD-65X75K(IN5/TH8/MY1/E51/AF1/AZ1/VN3/IA2/PL1),KD-65X75AK(E51/AF1),KD-65X75AK/1(AF1),KD-65X75K/U(AF1),KD-65X75K/1(AF1)

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SYS SET

APPENDIX-1 Trouble Shooting

1-2-7. WiFi/LAN malfunction

```
Wi-Fi Malfunction
      |
      v
Check MB          NG      Replace          OK
to WiFi       -------->   Cable        ------->
cable                                      |
connection                                 | NG
      | OK                                 v
      v                                  Replace MB
Check Wi-       NG                         |
Fi 3.3V on  -------->                      |
TP965                                      |
      | OK                                 v
      v          OK                      Close
Replace WiFi  -------->
Module
```

```
LAN Malfunction
      |
      v
Connection    NG    Check        NG
Results     ----->  Ethernet  ------->
Cable               cable
Connection                              Replace Ethernet
      | OK            | OK               cable
      v               v                    | OK
              Replace MB                    v
                 |                        Close
                 v
              Close
```

KD-32W830K/KD-32W820K(IN5),KD-32W830K/U(AF1),KD-32W830K (HK5/TH8/MY1/E51/AF1/AZ1/VN3/PL1),KD-43X74K(IN5),KD-43X75K/U(AF1),KD-43X75K(TH8/IN5/MY1/E51/AF1/AZ1/VN3/IA2/PL1),KD-50X74K(IN5),KD-50X75K/U(AF1),KD-50X75K(TH8/IN5/MY1/E51/AF1/AZ1/VN3/IA2/PL1),KD-43W870K/KD-43W880K(IN5),KD-55X74K(IN5),KD-55X75K(IN5/TH8/MY1/E51/AF1/AZ1/VN3/IA2/PL1),KD-55X75AK(E51/AF1),KD-55X75AK/1(AF1),KD-55X75K/U(AF1),KD-55X75K/1(AF1),KD-65X74K(IN5),KD-65X75K(IN5/TH8/MY1/E51/AF1/AZ1/VN3/IA2/PL1),KD-65X75AK(E51/AF1),KD-65X75AK/1(AF1),KD-65X75K/U(AF1),KD-65X75K/1(AF1)
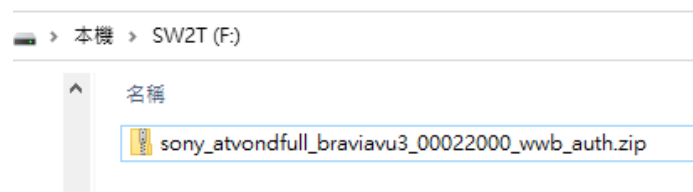
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SYS SET

APPENDIX-2 Software data update

■ SOFTWARE UPDATE BY USB MEMORY

1. Make sure TV already finished boot up and in Home Menu.

2. Insert USB device to TV that contains the new version software.

   ***Be sure only one OND zip file is directly located under ROOT folder of the USB device.

3. A "System Software Update" page will show up.

***For a success of software update, it will take 10~20 min/time. If older software package version is used, TV will display message "Software is up to date".

4. After complete upgrade, TV will display message "The system software update is complete".

5. Select [OK] to exit and then disconnect USB from TV

6. Remember to check the software version is same as the target

version you want to update.

<div style="border:1px solid red; color:red">
WARNING:
During the firmware installation process, do not remove the USB device, or switch off the TV set or remove the power.
</div>

KD-32W830K (UC2),KD-55X75K(LA1/UC2), KD-65X75K(LA1/UC2)