

HISTORY INFORMATION FOR THE FOLLOWING MANUAL:

SERVICE MANUAL

ORIGINAL MANUAL ISSUE DATE: 04/2015

GN1G CHASSIS
Segment: XM-A

Version	Date	Subject
1.0	04/2015	Original manual issue.
2.0	05/2015	Part Information Addition due to KDL-55W800C, 805C model addition (P. 20~24, P. 76, P. 77, P. 84~92)

LCD TV

SONY®

SERVICE MANUAL

GN1G CHASSIS
Segment: XM-A

LCD TV

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MODEL LIST

<i>MODEL</i>	<i>COLOR</i>	<i>COMMANDER</i>	<i>DEST.</i>
KDL-50W800C	<i>Silver</i>	<i>RMT-TX100U</i>	(LA1) MX
	<i>Black</i>	<i>RMT-TX100U</i>	(UC2) US, CND
KDL-50W805C	<i>Silver</i>	<i>RMT-TX100B</i>	(BR6) BRAZIL (CR1) COSTA RICA (LA8) CHILE, PERU, VENEZUELA (AR4) ARGENTINA
KDL-50W807C	<i>Silver</i>	<i>RMT-TX100B</i>	(CO1) COLOMBIA
KDL-50W809C	<i>Silver</i>	<i>RMT-TX100B</i>	(ECU) ECUADOR

<i>MODEL</i>	<i>COLOR</i>	<i>COMMANDER</i>	<i>DEST.</i>
KDL-55W800C	<i>Silver</i>	<i>RMT-TX100U</i>	(LA1) MX
	<i>Black</i>	<i>RMT-TX100U</i>	(UC2) US, CND
KDL-55W805C	<i>Silver</i>	<i>RMT-TX100B</i>	(BR6) BRAZIL (LA8) CHILE, PERU, VENEZUELA

WARNINGS AND CAUTIONS - ENGLISH

CAUTION

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

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

WARNING!!

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

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

CARRYING THE TV

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

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

SAFETY-RELATED COMPONENT WARNING!!

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

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

CAUTION ABOUT THE LITHIUM BATTERY

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

WARNINGS AND CAUTIONS - FRENCH

ATTENTION!!

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

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

WARNING!!

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

POUR TRANSPORTER LE TÉLÉVISEUR

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

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

ALERTE!!

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

ATTENTION AUX COMPOSANTS RELATIFS A LA SECURITE!!

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

AVERTISSEMENT CONCERNANT LA BATTERIE AU LITHIUM

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

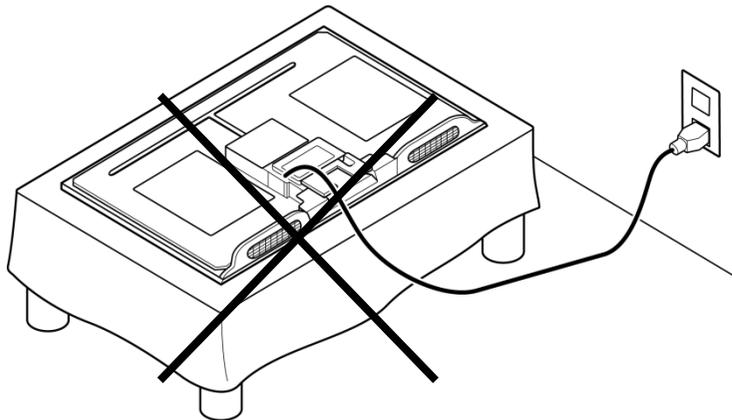
USE CAUTION WHEN HANDLING THE LCD PANEL

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

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

- 1) Do not press on the panel or frame edge to avoid the risk of electric shock.
- 2) Do not scratch or press on the panel with any sharp objects.
- 3) Do not leave the module in high temperatures or in areas of high humidity for an extended period of time.
- 4) Do not expose the LCD panel to direct sunlight.
- 5) Avoid contact with water. It may cause a short circuit within the module.
- 6) Disconnect the AC power when replacing the backlight (CCFL) or inverter circuit. (High voltage occurs at the inverter circuit at 650Vrms.)
- 7) Always clean the LCD panel with a soft cloth material.
- 8) Use care when handling the wires or connectors of the inverter circuit. Damaging the wires may cause a short.
- 9) Protect the panel from ESD to avoid damaging the electronic circuit (C-MOS).

- 10) It is recommended not to exceed 1 hour of Power-On nor Burn-in period with LCD panel face down condition, in repair activity.



SAFETY CHECK-OUT

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

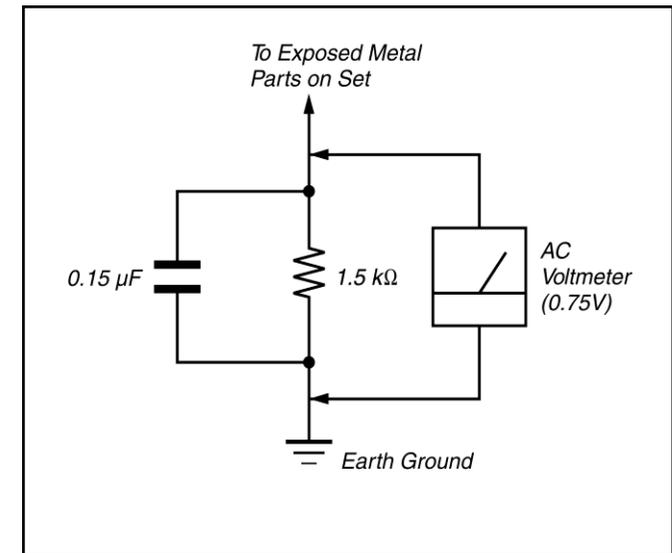
1. Check the area of your repair for unsoldered or poorly soldered connections. Check the entire board surface for solder splashes and bridges.
2. Check the interboard wiring to ensure that no wires are “pinched” or touching high-wattage resistors.
3. Check that all control knobs, shields, covers, ground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

Leakage Test

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microamperes).

Leakage current can be measured by any one of three methods.

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



FigureA. Using an AC voltmeter to check AC leakage.

How to Find a Good Earth Ground

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

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

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

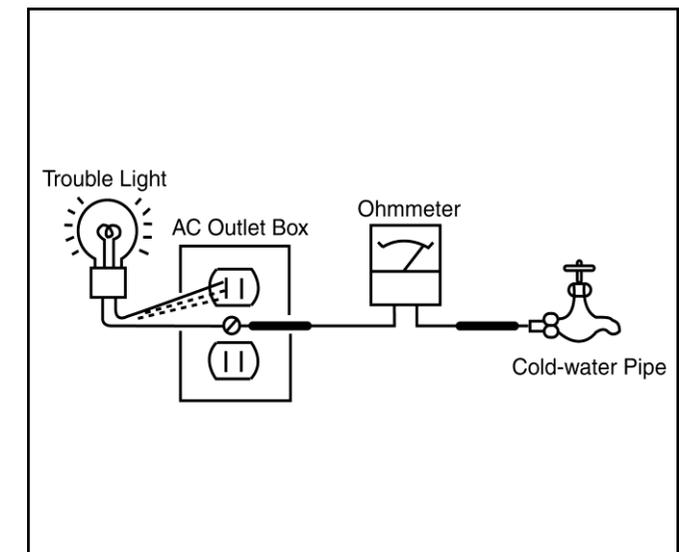


Figure B. Checking for earth ground.

Lead Free Information

The circuit boards used in these models have been processed using Lead Free Solder. The boards are identified by the LF logo located close to the board designation.



Figure 4: LF Logo

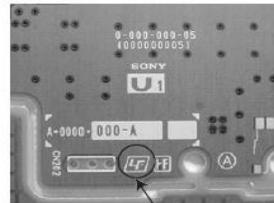


Figure 5: LF logo on circuit board

Handling the FLEXIBLE FLAT CABLE (FFC)

When you insert / pull out FFC, please grasp a reinforcement board and main body of FFC

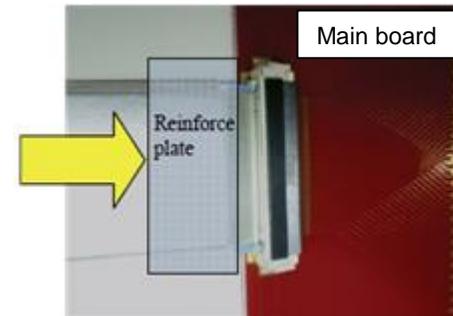


<GOOD>



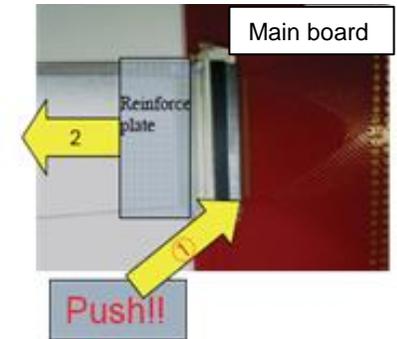
<NG>

Please hold reinforcement board and plunge it to depths.

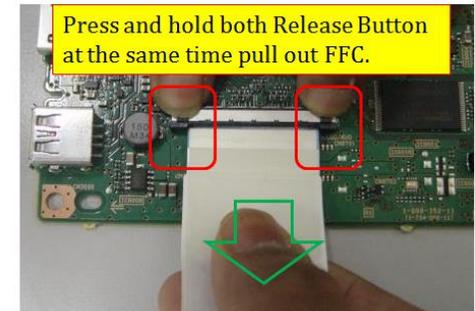
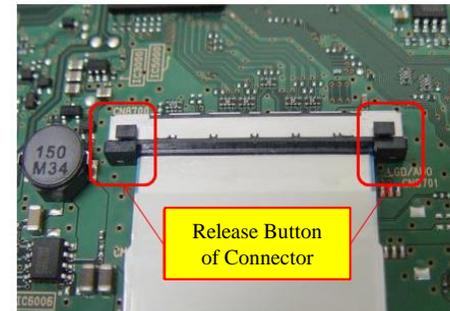


< Insertion >

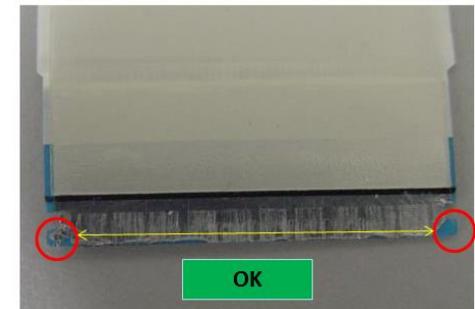
Please pull out FFC while pushing the button of both ends at the same time.



< Pull out >



FFC connector broken if pull out FFC without press and hold both Release Button of connector. Symptom 5X blinking will appear due to improperly seated.



SELF DIAGNOSIS FUNCTION

OUTLINE OF SELF DIAGNOSIS FUNCTION

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

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

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

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

ABOUT ILLUMINATION LED

Status	White Center LED	Side RGB LED	Side Amber LED	Remarks
Power Off (by power saving switch off and *1)	Off	Off	Off	*1 power switch off (by side key)
Power On	White	Off	Off	
STBY/i.LINK STBY/PC STBY (by remote control off only)	Off	Off	Off	
Picture Off	White looping	White one shot	Off	
Device Connection	White	Cyan one shot	Off	
Power ON Animation	White	White one shot	Off	
Sleep Timer/On Timer/Reminder/REC Timer/Photo Frame (Power On)	White	Amber One shot -> Lit*2	Off	*2 One Shot is only user action.
On Timer/Reminder/REC Timer (Deep Standby)	Off	Off	Amber	After 5 minutes, side amber LED On
Self Diagnosis	Off	Red Blinking	Off	The number of LED blinking indicates cause of failure (refer to Led Error / Triage chart)
Aging mode	White	Green Blinking	Off	Blinking:0.5sec On / 0.5sec Off
Software Updating	white blinking	white blinking	off	
Software Updating finish	White	Blue lit	off	
Test Reset	White	white blinking	Amber blinking	
Error of panel ID	White	Green /Amber Blinking	Off	Blinking:0.5sec On / 0.5sec Off
REC (SCART REC & HDD REC/LIVE PAUSE) [AEP/J only]	White	Red(Pink) One shot -> Lit*2	Off	*2 One Shot is only user action.
ePOP/ Shop Illumination	White	Cyan loop	Off	One shot Center White when feature change

DIAGNOSTIC TEST INDICATORS

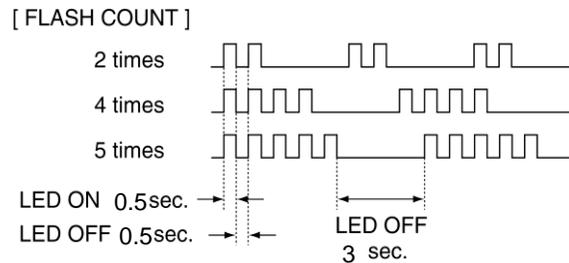
When an error occurs, the STANDBY LED will flash a set number of times to indicate the possible cause of the problem.

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

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

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

DISPLAY OF STANDBY LED FLASH COUNT



Note: One flash counts is not self-diagnostic.

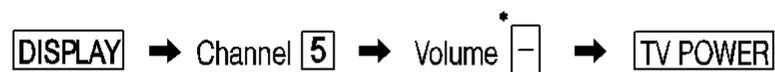
STANDBY LED blinking count	Detection Items	Board Error Item
2x	Main 19.5V overvoltage [MAIN_POWE] * This failure is not saved	<ul style="list-style-type: none"> ▪ Power Adapter ▪ BMX Board Error
3x	Main 5.0V failure [DC_ALERT]	<ul style="list-style-type: none"> ▪ BMX Board Error
	Audio amp. protection [AUD_ERR]	<ul style="list-style-type: none"> ▪ BMX Board Error ▪ Speaker
5x	Panel ID EEPROM I2C No ACK (Also panel power failure is a suspect) [P_ID_ERR] - detect at startup sequence only	<ul style="list-style-type: none"> ▪ Panel module ▪ Tcon board ▪ BMX Board Error
	-FRC device I2C No ACK [FRCTC_I2C] -FRC device Initialization failure [FRCTC_I2C] -detect at startup sequence only	<ul style="list-style-type: none"> ▪ Tcon board
6x	LED driver [BACKLIGHT]	<ul style="list-style-type: none"> ▪ LED driver (LD) board
7x	Over temperature protection [TEMP_ERR] Temp. sensor I2C NACK [TEMP_ERR]	<ul style="list-style-type: none"> ▪ BMX Board Error

SELF-DIAGNOSTIC SCREEN DISPLAY

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

[To Bring Up Screen Test]

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



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

Since the diagnostic results displayed on the screen are not automatically cleared, always check the self-diagnostic screen.

After you have completed the repairs, clear the result display to “0”.

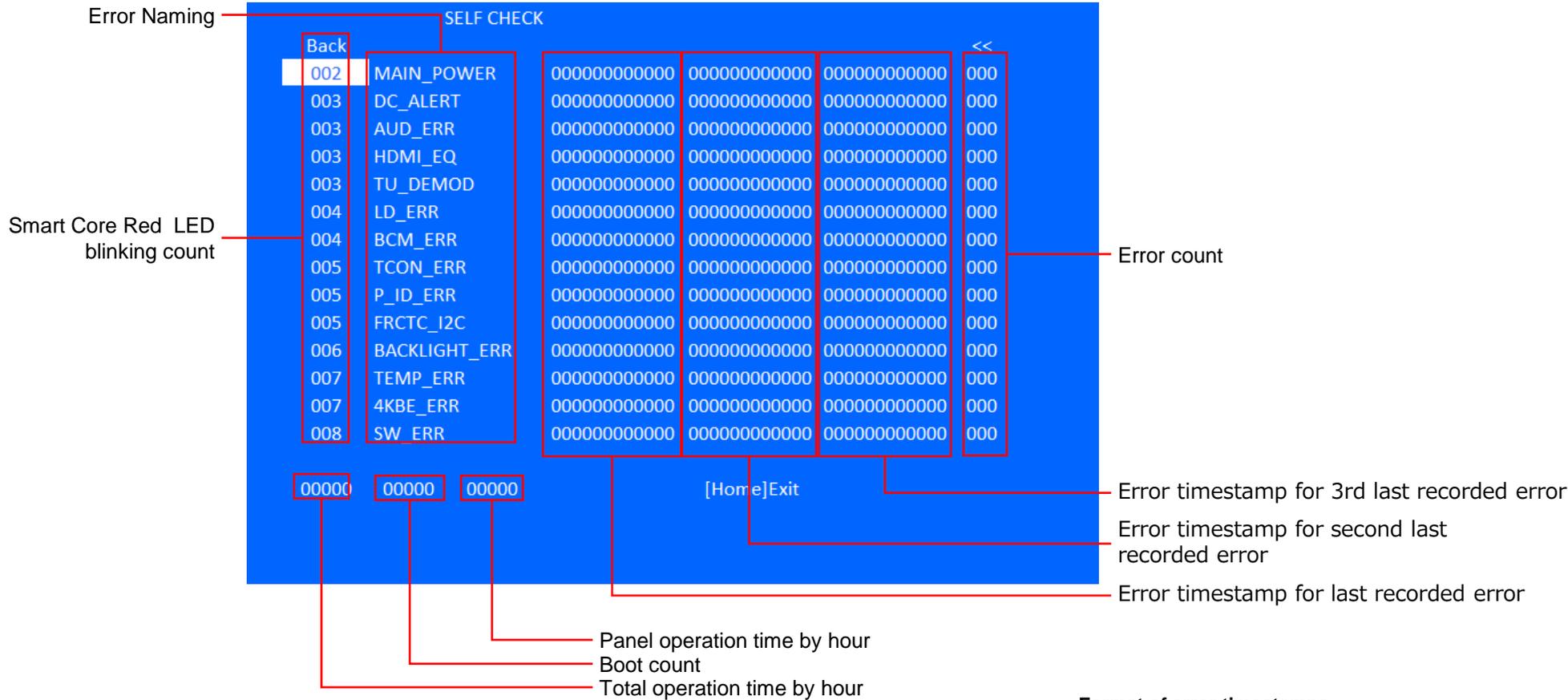
Clearing the Self Check Diagnostic List

Panel operation time : Press the Channel 7 => Channel 0 .

Exiting the Self-diagnostic screen

To exit the Self Diagnostic screen, turn off the power to the TV by pressing the POWER button on the remote or the POWER button on the TV.

[SELF DIAGNOSTIC SAMPLE SCREEN DISPLAY]



Format of error timestamps
 YYMMDDhhmmss (in UTC)
 Example:120823132523 -> Aug 23 2012 13:25:23 UTC
 * Only when time is set, an error timestamp is saved.

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

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.

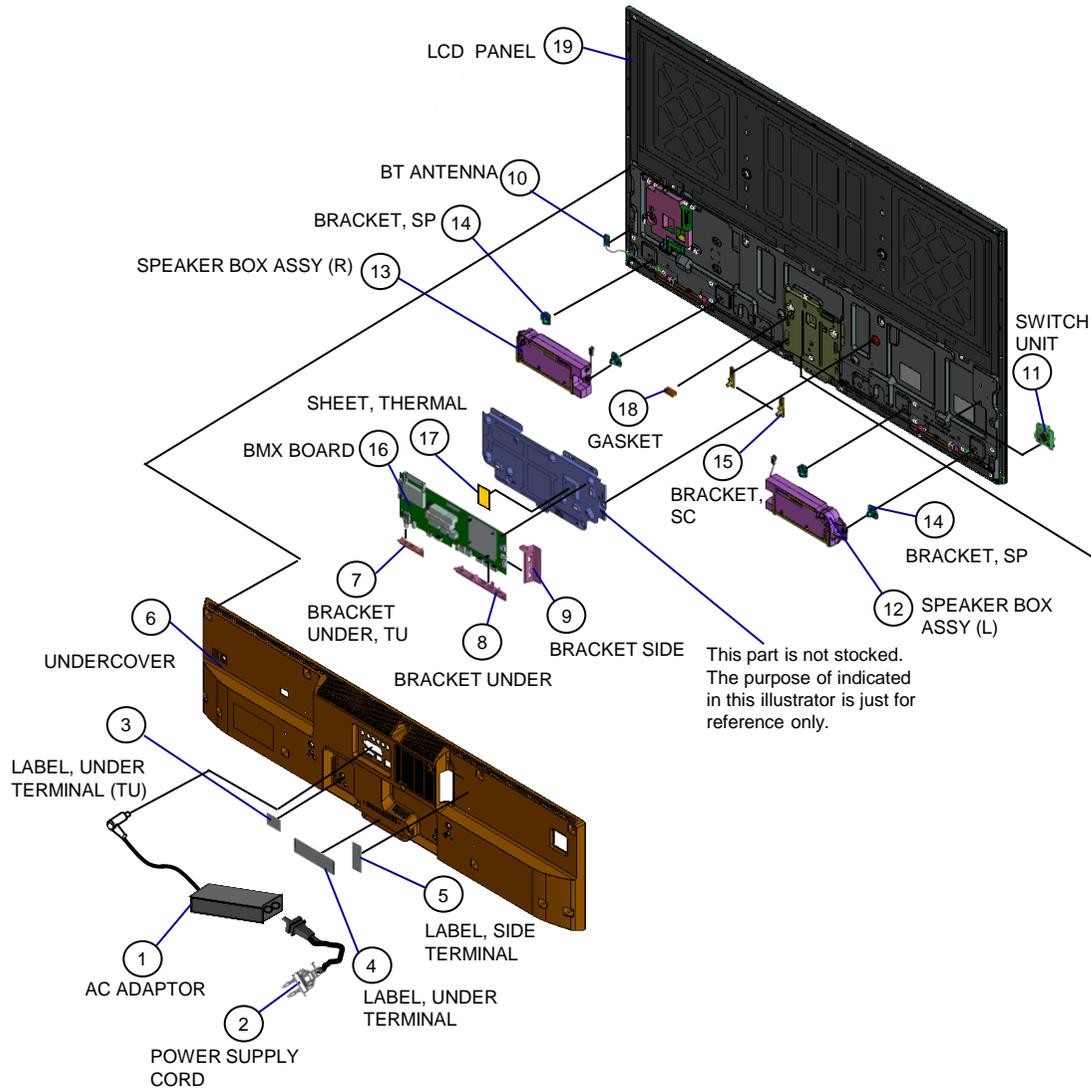
The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

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

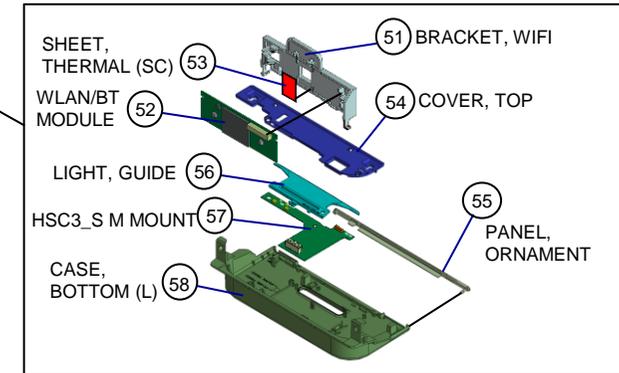
Note: About the procedure to disassemble under cover(standing position), please refer to “APPENDIX-1”.

1-1. KDL-50W800C/805C/807C/809C

1-1-1. Disassembly, Exploded View

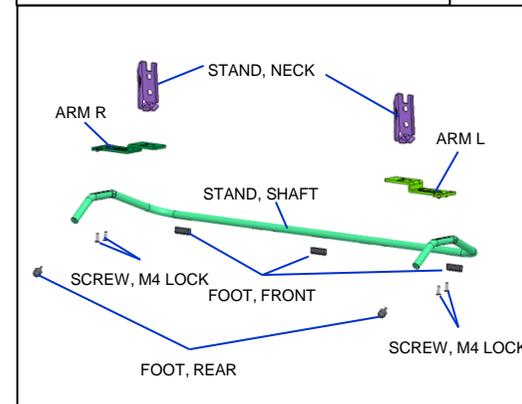
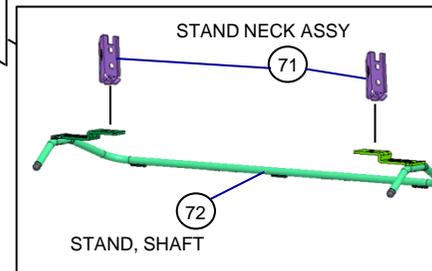


SMART CORE BLOCK



Stand exploded view are for reference purpose. (Child parts are UNSTOCKED unless specified at 1-1-2: Screws)

STAND BLOCK



1-1. KDL-50W800C/805C/807C/809C**1-1-1. Disassembly, Exploded View**

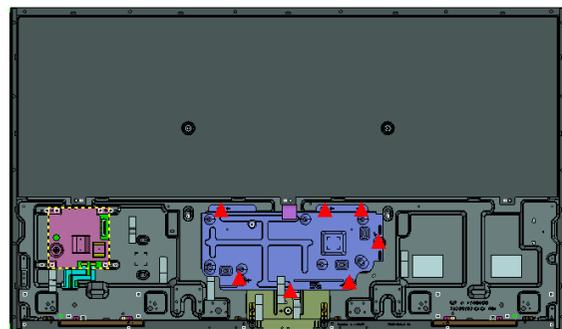
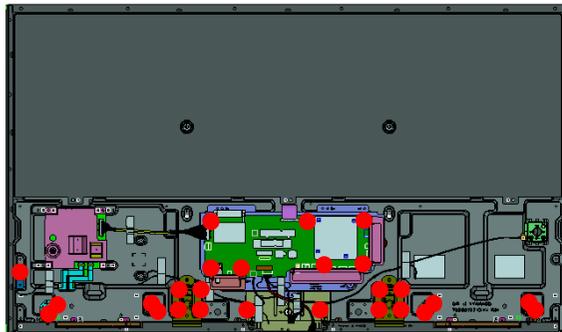
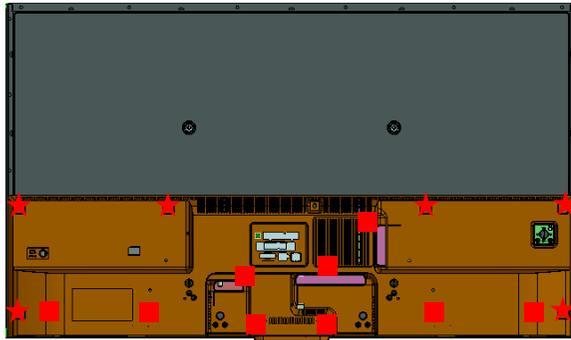
REF. No.	PART No.	DESCRIPTION	MARK	REF. No.	PART No.	DESCRIPTION	MARK
1	▲ 1-493-003-12	AC ADAPTOR (120W)	CO1/LA1/UC2/ LA8/CR1	9	4-545-087-01	BRACKET, SIDE (MOLD)	CO1/LA1/UC2/ LA8/CR1
1	▲ 1-493-004-11	AC ADAPTOR (120W)	BR6	9	4-545-087-11	BRACKET, SIDE (MOLD)	BR6
1	▲ A-2077-271-A	ACC-280 (AR)	AR4	9	4-566-677-01	BRACKET, SIDE (MOLD)	ECU
2	▲ 1-846-090-31	CORD SET, POWER-SUPPLY	CO1/LA1/UC2 /ECU	9	4-566-677-11	BRACKET, SIDE (MOLD)	AR4
2	▲ 1-846-420-11	CORD SET, POWER-SUPPLY	LA8/CR1	10	1-754-950-11	BT ANTENNA	CO1/LA1/UC2/ LA8/CR1
2	▲ 1-846-607-11	POWER-SUPPLY CORD (SET)	BR6	10	1-754-955-11	BT ANTENNA	BR6/AR4
2	▲ 1-846-716-21	POWER SUPPLY CORD SET	AR4	11	1-798-510-31	SWITCH UNIT (SM-G-WW)	CO1/LA1/UC2/ LA8/CR1/ECU
3	4-563-190-02	LABEL, UNDER TERMINAL (TU)	LA1	11	1-798-510-41	SWITCH UNIT (SM-G-KIT)	BR6
3	4-563-190-12	LABEL, UNDER TERMINAL (TU)	BR6/CO1/LA8/ CR1/AR4/ECU	11	A-1993-236-A	SWITCH UNIT (SM-WW)	AR4
3	4-563-190-22	LABEL, UNDER TERMINAL (TU)	UC2	12	1-859-100-11	SPEAKER BOX ASSY	
4	4-563-273-01	LABEL, UNDER TERMINAL	UC2	13	1-859-100-21	SPEAKER BOX ASSY	
4	4-563-273-11	LABEL, UNDER TERMINAL	Except UC2	14	4-547-988-01	BRACKET, SP (LAK)	
5	4-563-252-01	LABEL, SIDE TERMINAL		15	4-547-989-01	BRACKET, SC (LAK)	
6	A-2077-616-B	UNDER COVER (ML LAK) A	AR4	16	🔒 A-2069-652-A	COMPL SVC BMX_XMA_BR GINGA	BR6/CR1/ECU
6	4-558-774-62	UNDER COVER (ML LAK) A	ECU	16	🔒 A-2069-653-A	COMPL SVC BMX_XMA_COL	CO1
6	4-566-274-51	UNDER COVER (ML LAK) A	UC2	16	🔒 A-2069-654-A	COMPL SVC BMX_XMA_UC	UC2
6	4-566-274-61	UNDER COVER (ML LAK) A	LA1/LA8/CR1	16	🔒 A-2069-655-A	COMPL SVC BMX_XMA_MX	LA1
6	4-566-274-91	UNDER COVER (ML LAK) A	CO1	16	🔒 A-2073-260-A	COMPL SVC BMX_XMA_BR	LA8
6	A-2070-158-A	UNDER COVER (ML LAK) A	BR6	16	🔒 A-2077-627-A	COMPL SVC BMX_XMA_AR4 GINGA	AR4
7	4-546-909-02	BRACKET, UNDER TU (MOLD)	LA1	17	4-549-186-01	SHEET, THERMAL (BM)	
7	4-546-909-12	BRACKET, UNDER TU (MOLD)	CO1/LA8/CR1	18	4-569-179-01	GASKET (LAK)	
7	4-546-909-32	BRACKET, UNDER TU (MOLD)	UC2	19	▲ 1-812-086-11	LCD PANEL (W50HFWS)	Except UC2
7	4-546-909-42	BRACKET, UNDER TU (MOLD)	BR6	19	▲ 1-812-087-11	LCD PANEL (W50HFWB)	UC2
7	4-566-679-11	BRACKET, UNDER TU (MOLD)	ECU				
7	4-566-679-41	BRACKET, UNDER TU (MOLD)	AR4				
8	4-545-088-11	BRACKET, UNDER (MOLD)	CO1/LA1/UC2/ LA8/CR1				
8	4-545-088-41	BRACKET, UNDER (MOLD)	BR6				
8	4-566-678-11	BRACKET, UNDER (MOLD)	ECU				
8	4-566-678-41	BRACKET, UNDER (MOLD)	AR4				

1-1. KDL-50W800C/805C/807C/809C**1-1-1. Disassembly, Exploded View**

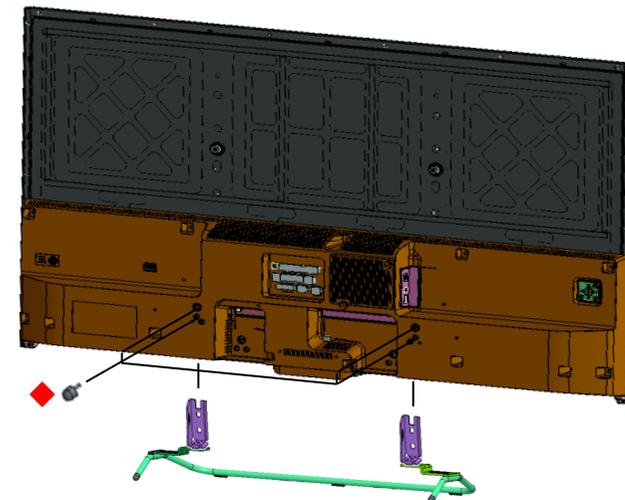
REF. No.	PART No.	DESCRIPTION	MARK
51	4-547-397-02	BRACKET, WIFI	BR6/AR4/ECU
51	4-564-318-01	BRACKET, WIFI	UC2/LA1/LA8/ CR1/CO1
52	1-458-854-11	WLAN/BT MODULE (11N)	Except BR6
52	1-458-854-21	WLAN/BT MODULE (11N) BRZ	BR6
53	4-549-528-11	SHEET, THERMAL (SC)	
54	4-547-395-01	COVER, TOP	BR6/AR4/ECU
54	4-564-317-01	COVER, TOP	UC2/LA1/LA8/ CR1/CO1
55	4-547-389-01	PANEL, ORNAMENT	BR6/AR4/ECU
55	4-564-312-01	PANEL, ORNAMENT	UC2/LA1/LA8/ CR1/CO1
56	4-547-390-01	LIGHT, GUIDE	BR6/AR4/ECU
56	4-564-313-02	LIGHT, GUIDE	UC2/LA1/LA8/ CR1/CO1
57	A-2066-088-A	HSC3_S_M MOUNT	UC2/LA1/LA8/ CR1/CO1/BR6
57	A-2074-616-A	HSC3_S_M MOUNT KIT	AR4/ECU
58	4-547-392-01	CASE, BOTTOM (M)	BR6/AR4/ECU
58	4-564-315-01	CASE, BOTTOM (M)	UC2/LA1/LA8/ CR1/CO1
71	4-559-310-01	STAND NECK ASSY (LAK)	UC2/LA1/LA8/ CR1/CO1/ECU
71	A-2070-161-A	STAND, NECK ASSY (LAK) SBR	BR6
71	A-2076-425-A	STAND, NECK ASSY (LAK)	AR4
72	4-559-316-01	STAND, SHAFT (ML LAK) A	UC2/LA1/LA8/ CR1/CO1/ECU
72	A-2070-160-A	STAND, SHAFT (ML LAK) A SBR	BR6
72	A-2076-424-A	STAND, SHAFT (ML LAK) A AR	AR4

1-1. KDL-50W800C/805C/807C/809C

1-1-2. Screws

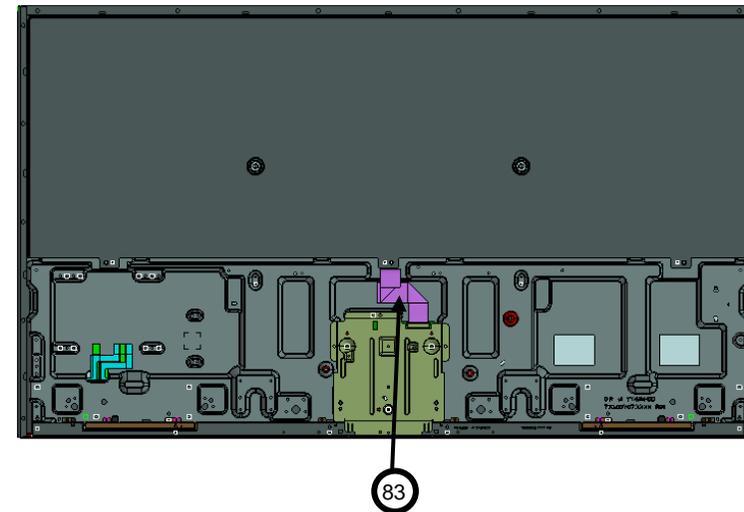
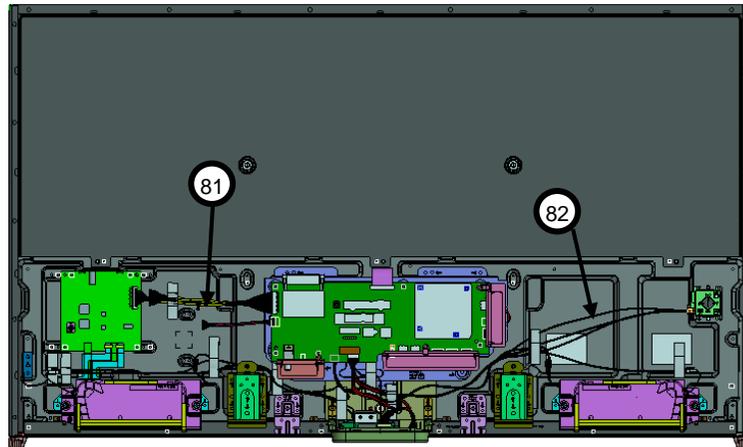


Ref	Part No	Description
■	2-580-639-01	SCREW, +BVTP 4X12 TYPE2 IT-3
●	2-990-421-41	SCREW (+PSW) (M3X6)
▲	4-256-393-11	SCREW, +PSW M3X6 W12
★	4-452-935-11	SCREW , +PWH M3X6
◆	4-449-743-01	SCREW, +PSW M5X16



1-1. KDL-50W800C/805C/807C/809C

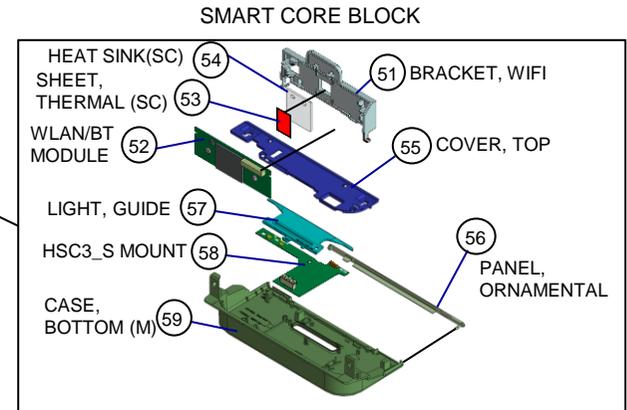
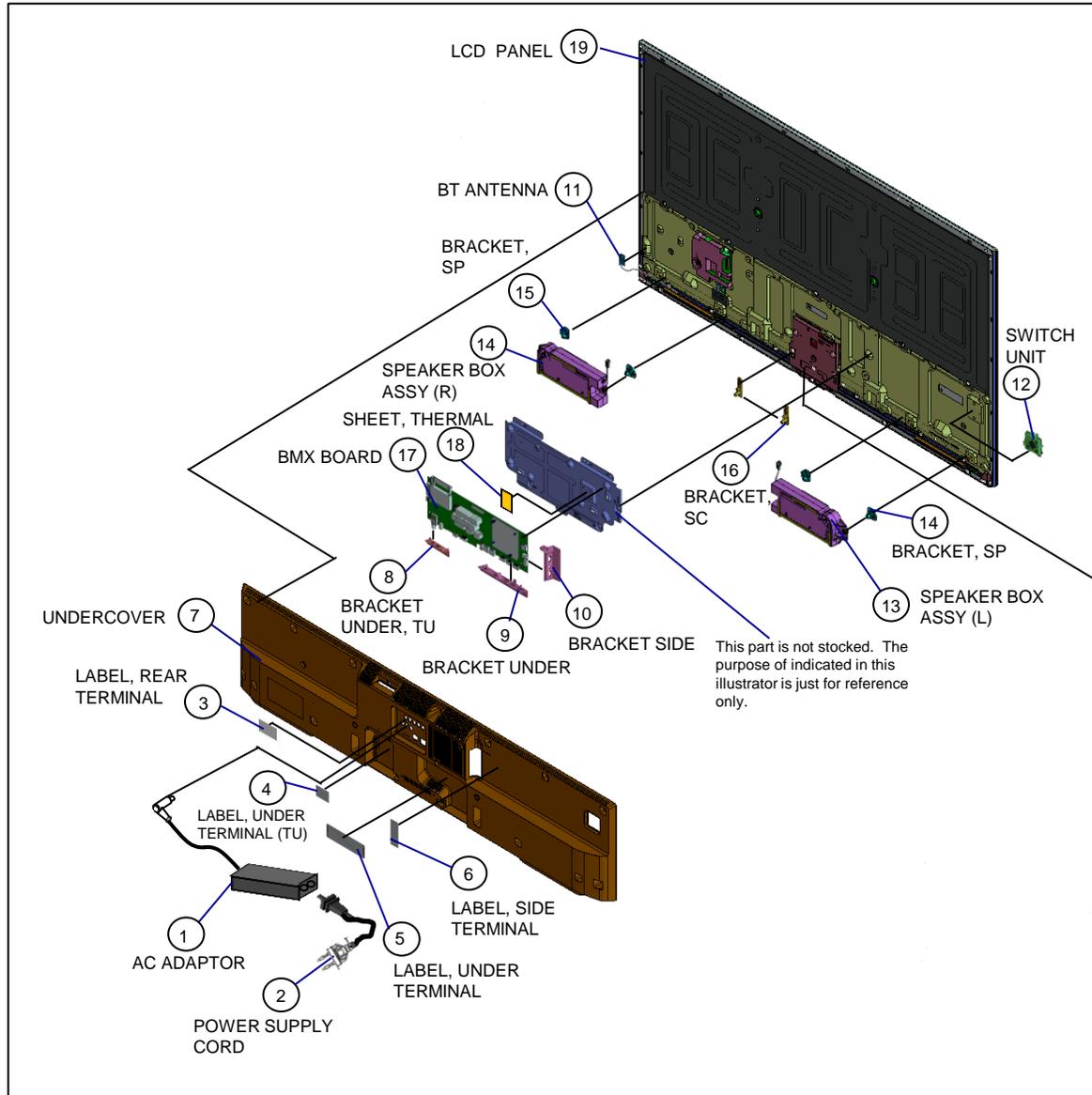
1-1-3. Connectors



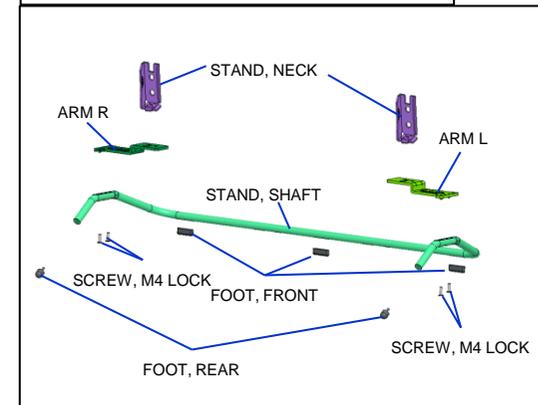
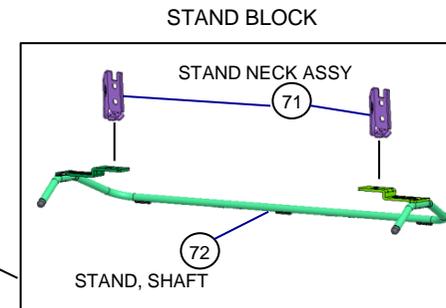
REF. No.	PART No.	DESCRIPTION	MARK
81	1-910-805-05	CONNECTOR ASSY 30P (UC2/LA1/LA8/CR1/CO1/BR6)	CN9000 (BMX) -CN4001 (LDB3B) (1)
81	1-910-805-07	CONNECTOR ASSY 30P (ECU)	CN9000 (BMX) -CN4001 (LDB3B) (1)
81	1-910-805-43	CONNECTOR ASSY 30P (AR4)	CN9000 (BMX) -CN4001 (LDB3B) (1)
82	1-910-805-03	HARNESS ASSY (UC2/LA1/LA8/CR1/CO1/BR6)	CN1000 (BMX) -CN203 (SM) -CN101 (HSC3-S-M) - (WIFI/BT) / CN7751 (BMX) -SP (1)
82	1-910-805-06	HARNESS ASSY (ECU)	CN1000 (BMX) -CN203 (SM) -CN101 (HSC3-S-M) - (WIFI/BT) / CN7751 (BMX) -SP (1)
82	1-910-805-42	HARNESS ASSY (AR4)	CN1000 (BMX) -CN203 (SM) -CN101 (HSC3-S-M) - (WIFI/BT) / CN7751 (BMX) -SP (1)
83	1-910-805-04	FLEXIBLE FLAT CABLE 51P (UC2/LA1/LA8/CR1/CO1/BR6)	CN8400 (BMX) -T-CON (1)
83	1-848-900-11	FLEXIBLE FLAT CABLE 51P (AR4/ECU)	CN8400 (BMX) -T-CON (1)

1-2. KDL-55W800C/805C

1-2-1. Disassembly, Exploded View



Stand exploded view are for reference purpose. (Child parts are UNSTOCKED unless specified at 3-3-2: Screws & 3-3-4: Other Parts)



1-2. KDL-55W800C/805C

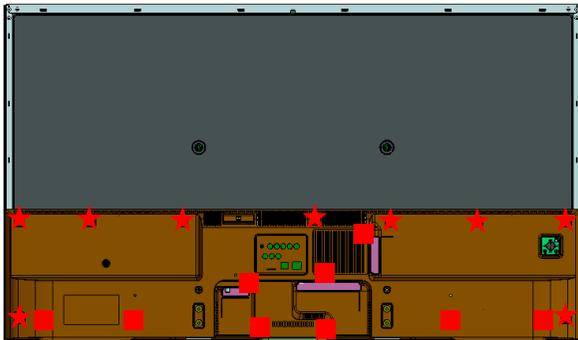
1-2-1. Disassembly, Exploded View

REF. No.	PART No.	DESCRIPTION	MARK
1	 1-493-003-12	AC ADAPTOR (120W)	LA8/LA1/UC2
1	 1-493-004-12	AC ADAPTOR (120W)	BR6
2	 1-846-090-31	CORD SET, POWER-SUPPLY	LA1/UC2
2	 1-846-420-11	CORD SET, POWER-SUPPLY	LA8
2	 1-846-607-12	POWER-SUPPLY CORD (SET)	BR6
3	N/A	LABEL, REAR TERMINAL	
4	4-563-190-02	LABEL, UNDER TERMINAL (TU)	LA1
4	4-563-190-12	LABEL, UNDER TERMINAL (TU)	LA8/BR6
4	4-563-190-22	LABEL, UNDER TERMINAL (TU)	UC2
5	4-563-273-01	LABEL, UNDER TERMINAL	UC2
5	4-563-273-11	LABEL, UNDER TERMINAL	LA8/LA1
5	4-563-273-41	LABEL, UNDER TERMINAL	BR6
6	4-563-252-01	LABEL, SIDE TERMINAL	
7	4-566-276-51	UNDER COVER (L LAK) A	UC2
7	4-566-276-61	UNDER COVER (L LAK) A	LA8/LA1
7	A-2074-370-A	UNDER COVER (L LAK) A	BR6
8	4-546-909-02	BRACKET, UNDER TU (MOLD)	LA1
8	4-546-909-12	BRACKET, UNDER TU (MOLD)	LA8
8	4-546-909-32	BRACKET, UNDER TU (MOLD)	UC2
8	4-546-909-42	BRACKET, UNDER TU (MOLD)	BR6
9	4-545-088-11	BRACKET, UNDER (MOLD)	LA8/LA1/UC2
9	4-545-088-41	BRACKET, UNDER (MOLD)	BR6
10	4-545-087-01	BRACKET, SIDE (MOLD)	LA8/LA1/UC2
10	4-545-087-11	BRACKET, SIDE (MOLD)	BR6
11	1-754-952-11	BT ANTENNA	LA8/LA1/UC2
11	1-754-954-11	BT ANTENNA	BR6
12	1-798-510-31	SWITCH UNIT (SM-G-WW)	LA8/LA1/UC2
12	1-798-510-41	SWITCH UNIT (SM-G-KIT)	BR6
13	1-859-100-11	SPEAKER BOX ASSY	
14	1-859-100-21	SPEAKER BOX ASSY	
15	4-547-988-01	BRACKET, SP (LAK)	
16	4-547-989-01	BRACKET, SC (LAK)	

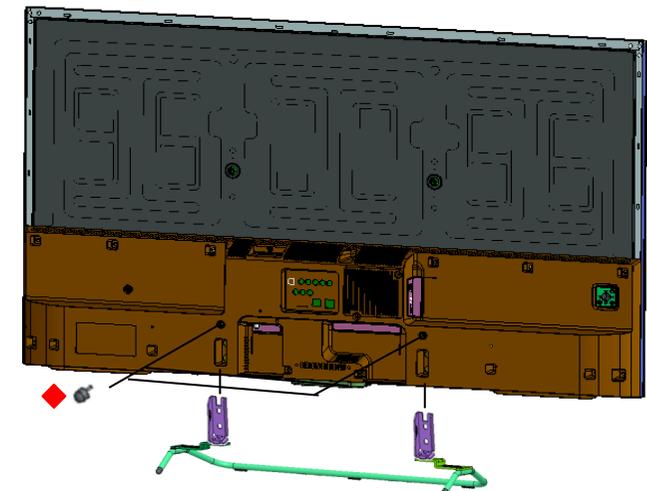
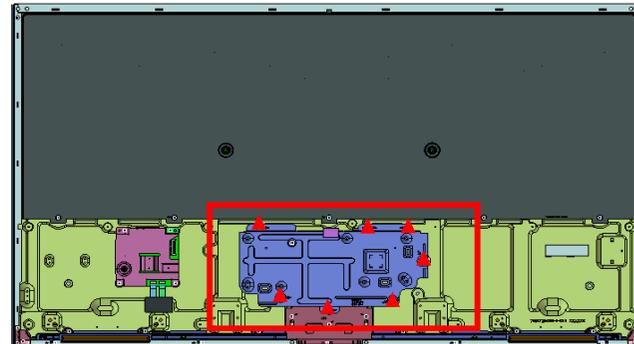
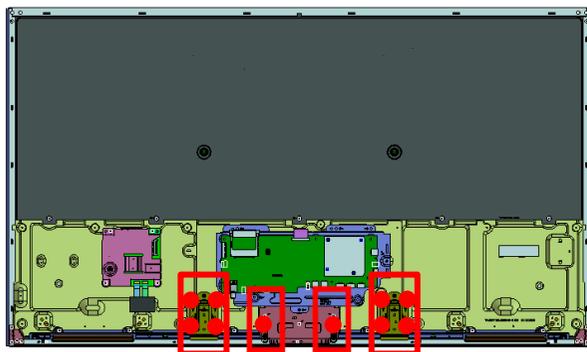
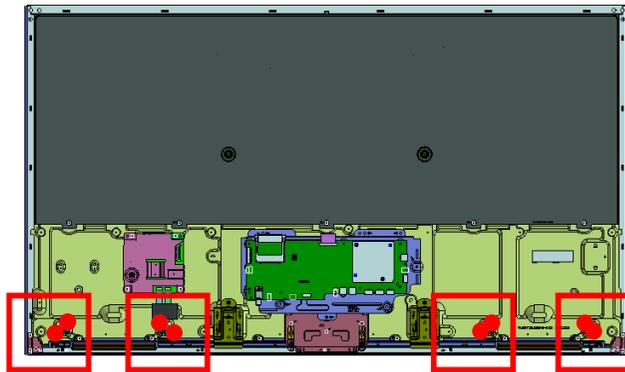
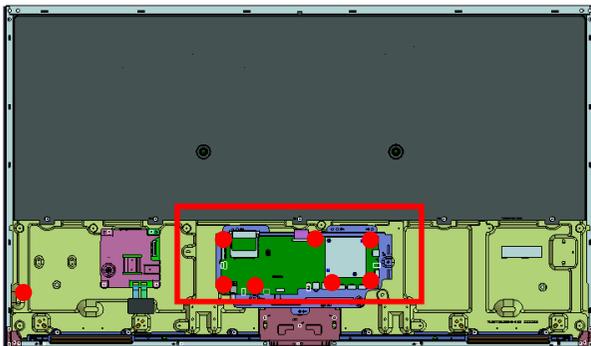
REF. No.	PART No.	DESCRIPTION	MARK
17	 A-2069-652-A	COMPL SVC BMX_XMA_BR GINGA	BR6
17	 A-2069-654-A	COMPL SVC BMX_XMA_UC	UC2
17	 A-2069-655-A	COMPL SVC BMX_XMA_MX	LA1
17	 A-2073-260-A	COMPL SVC BMX_XMA_BR	LA8
18	4-549-186-01	SHEET, THERMAL (BM)	
19	 1-812-088-11	LCD PANEL (A55HVF6S)	LA8/LA1/BR6
19	 1-812-089-31	LCD PANEL (A55HVF6B)	UC2
51	4-547-397-02	BRACKET, WIFI	BR6
51	4-564-318-02	BRACKET, WIFI	LA8/LA1/UC2
52	1-458-854-11	WLAN/BT MODULE (11N)	LA8/LA1/UC2
52	1-458-854-21	WLAN/BT MODULE (11N) BRZ	BR6
53	4-549-528-11	SHEET, THERMAL (SC)	
54	4-547-207-01	HEAT SINK(SC)	
55	4-547-395-01	COVER, TOP	BR6
55	4-564-317-01	COVER, TOP	LA8/LA1/UC2
56	4-547-389-01	PANEL, ORNAMENT	BR6
56	4-564-312-01	PANEL, ORNAMENT	LA8/LA1/UC2
57	4-547-390-02	LIGHT, GUIDE	BR6
57	4-564-313-01	LIGHT, GUIDE	LA8/LA1/UC2
58	A-2066-088-A	HSC3_S_M MOUNT	
59	4-547-392-01	CASE, BOTTOM (M)	BR6
59	4-564-315-01	CASE, BOTTOM (M)	LA8/LA1/UC2
71	4-559-310-01	STAND NECK ASSY (LAK)	LA8/LA1/UC2
71	A-2070-161-A	STAND, NECK ASSY (LAK) SBR	BR6
72	4-559-320-01	STAND, SHAFT (L LAK) A	LA8/LA1/UC2
72	A-2074-369-A	STAND, SHAFT (L LAK) A SBR	BR6

1-2. KDL-55W800C/805C

1-2-2. Screws

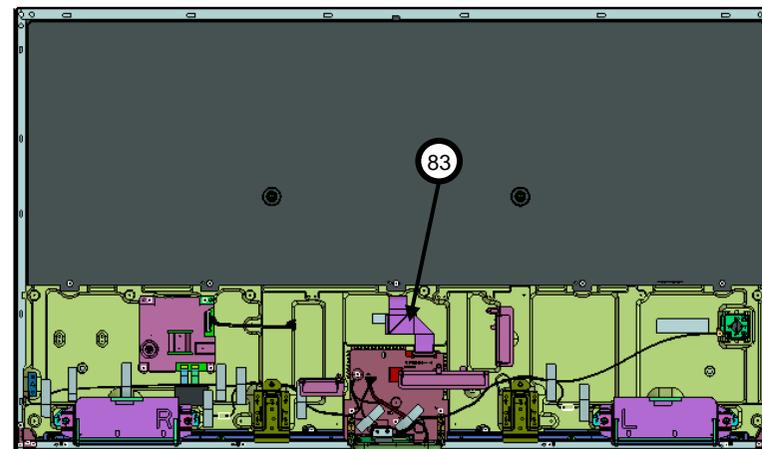
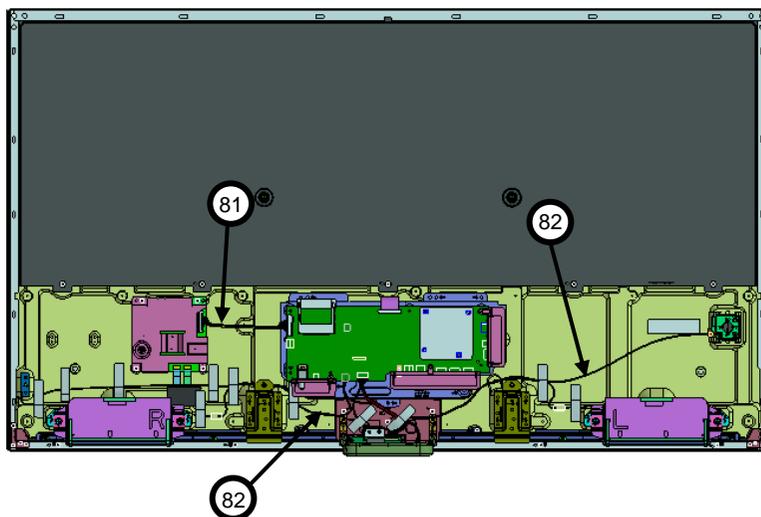


Ref	Part No	Description
■	2-580-639-01	SCREW, +BVTP 4X12 TYPE2 IT-3
●	2-990-421-41	SCREW (+PSW) (M3X6)
▲	4-256-393-11	SCREW, +PSW M3X6 W12
★	4-452-935-11	SCREW, +PWH M3X6
◆	4-449-743-01	SCREW, +PSW M5X16



1-2. KDL-55W800C/805C

1-2-3. Connectors



REF. No.	PART No.	DESCRIPTION	MARK
81	1-910-805-37	CONNECTOR ASSY 30P	CN9000 (BMX) -CN4001 (LDB3B) (1)
82	1-910-805-36	HARNESS ASSY (BR6)	CN1000 (BMX) -CN203 (SM) -CN101 (HSC3-S-M) - (WIFI/BT) / CN7751 (BMX) -SP (1)
82	1-910-805-48	HARNESS ASSY (Except BR6)	CN1000 (BMX) -CN203 (SM) -CN101 (HSC3-S-M) - (WIFI/BT) / CN7751 (BMX) -SP (1)
83	1-848-833-11	FLEXIBLE FLAT CABLE 51P (BR)	CN8400 (BMX) -T-CON (1)
83	1-848-834-11	FLEXIBLE FLAT CABLE 51P (Except BR6)	CN8400 (BMX) -T-CON (1)

1-3. OTHER PARTS

1-3-1. MISCELLANEOUS

PART No.	DESCRIPTION	MARK
3-876-036-71	UNI-LABEL, BLANK	Except BR6, ECU
4-262-708-04	CLAMPER, CABLE	
4-298-004-01	SPACER (B)	
7-600-031-97	TAPE (3M 1350FB-1) 15MMX66M BLK	Except BR6, AR4, ECU
7-600-031-96	TAPE (3M 1350FW-1) 15MMX66M WHT	Except BR6, AR4, ECU
4-450-388-02	TIE, HARNESS (S)	50"
4-100-136-01	SHEET (CORE), C	ECU
4-569-179-01	GASKET (LAK)	55"

1-3-2. ACCESSORIES

PART No.	DESCRIPTION	MARK
1-492-975-21	REMOTE COMMANDER (RMT-TX100B)	CO1/LA8/CR1/ ECU/AR4
1-492-975-31	REMOTE COMMANDER (RMT-TX100B)	BR6
1-492-978-21	REMOTE COMMANDER (RMT-TX100U)	LA1/UC2
1-785-504-21	▲ ADAPTOR, CONVERSION	LA8/CR1/ECU
* 1-848-803-11	RCA CONVERSION CABLE	50": Except UC2/ 55": LA1, LA8
* 4-562-065-13	REFERENCE GUIDE	UC2
* 4-562-066-32	REFERENCE GUIDE	LA1
* 4-562-067-32	REFERENCE GUIDE	CO1/LA8
* 4-562-068-12	REFERENCE GUIDE	BR6
* 4-562-069-31	REFERENCE GUIDE	AR4
* 4-569-675-31	REFERENCE GUIDE	CR1/ECU
* 4-563-892-02	ATTACHMENT, WALL MOUNT A (LAK)	50": ECU/ 55": UC2, LA1, LA8
* A-2070-163-A	ATTACHMENT, WALLMOUNT A (LAK)	BR6
A-2076-427-A	ATTACHMENT, WALLMOUNT A (LAK)	AR4
A-2070-159-A	STAND (ML LAK) A SBR	50": BR6
A-2074-368-A	STAND (L LAK) A SBR	55": BR6
4-563-896-01	WALL MOUNT BKT ASSY (LAK)	CO1/LA1/LA8/CR1/ECU
* A-2070-162-A	WALL MOUNT BKT ASSY (LAK) SBR	BR6
A-2076-426-A	WALL MOUNT BKT ASSY (LAK)	AR4
4-449-743-01	SCREW, +PSW M5X16	50": AR4, ECU/55"
4-563-195-01	SCREW, +PSW M8X12	50": Except UC2 55": LA1, LA8, BR6
4-479-543-01	SCREW, M4 LOCK	55"

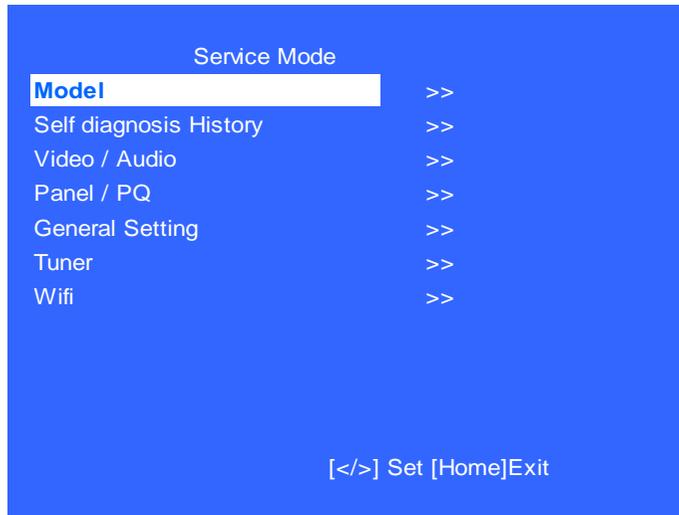
SEC 2. ADJUSTMENT

ACCESSING SERVICE MODE

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

DISPLAY → Channel 5 → Volume + → TV POWER

- 3) Service mode display.



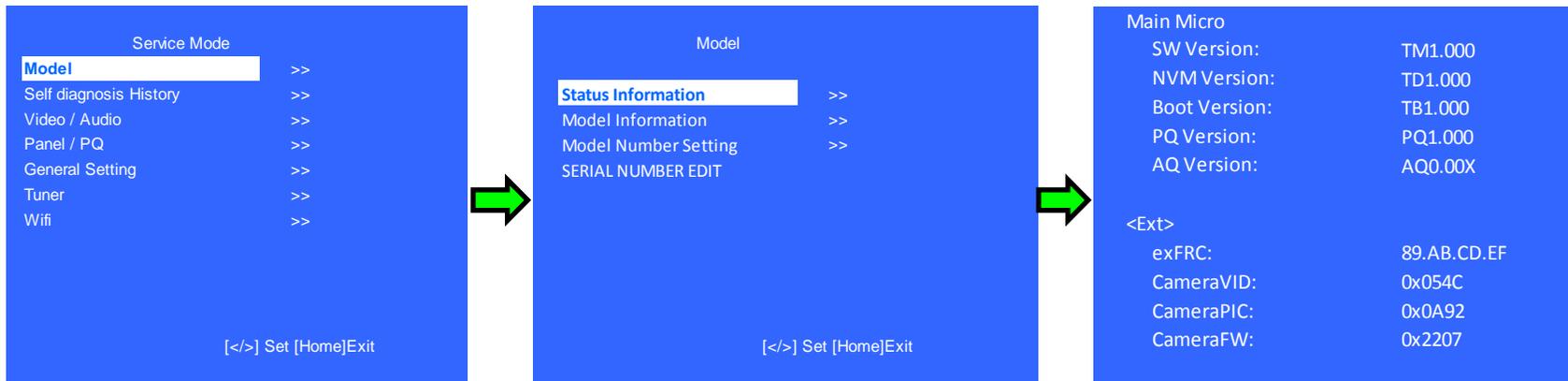
- 4) How to use the remote commander.

Function	The flow of control
Service mode on	<Test>+<TV>/ <Display><5><Vol Up><Power>
Service mode off	<MENU>/<HOME>
Item up / down	<↑>/ <↓>
Execute	<OK>

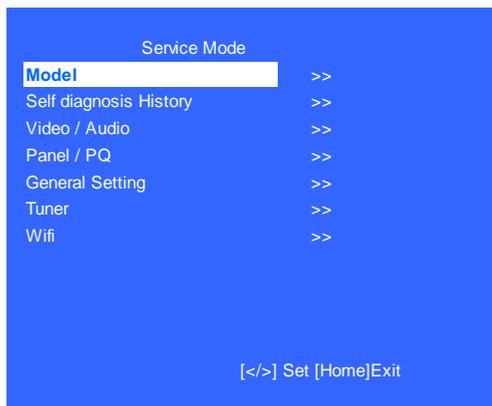
- 5) After entering service mode, then turn off the power switch.

ACCESSING SOFTWARE VERSION

- 1) In Service Mode, select “Model Information “ Press ⊕ (Enter) or ➡ button on Remote to enter status information.

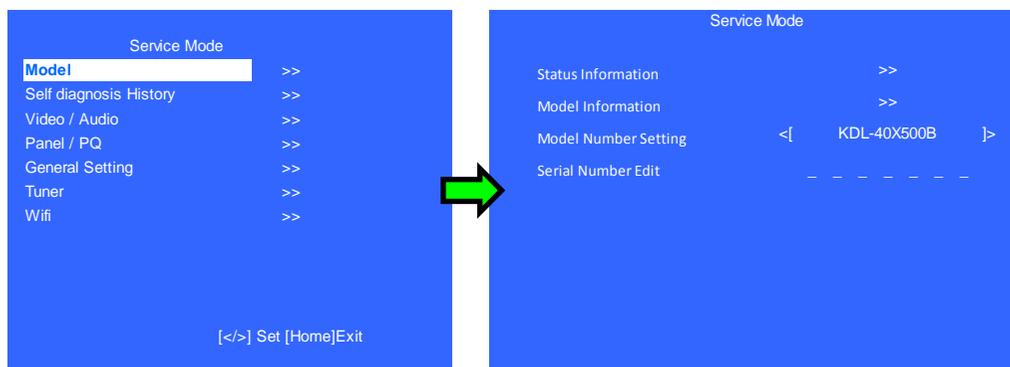


- 2) Press ⊕ (Enter) or “Return” button on Remote to back to Service Mode.



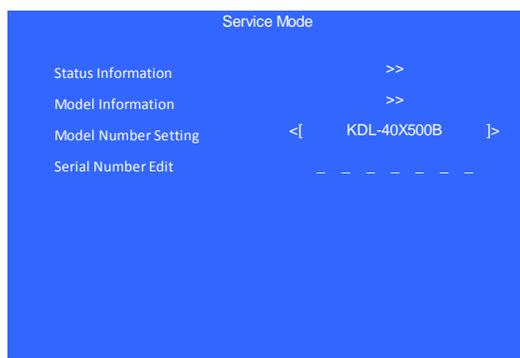
ACCESSING SERIAL NUMBER EDIT

- 1) In Service Mode, select "Model" pressing **➡** button. Select "Serial Number Edit" pressing **➡** button.



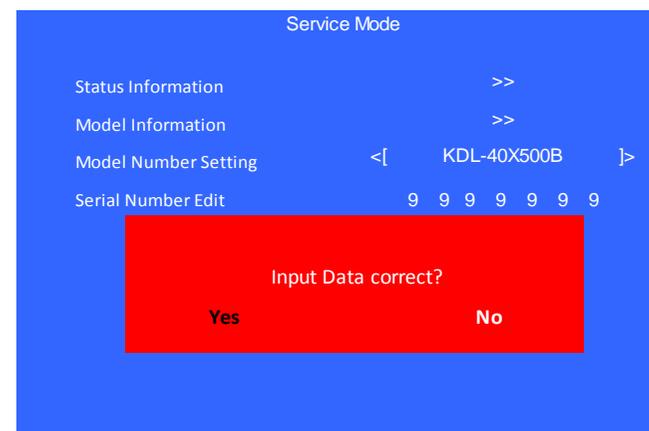
- 2) Press **↑** or **↓** button to select number.

* The font color of "Yes" is change to black when it is selected.



- 3) Serial Number can be set **ONLY ONCE**.

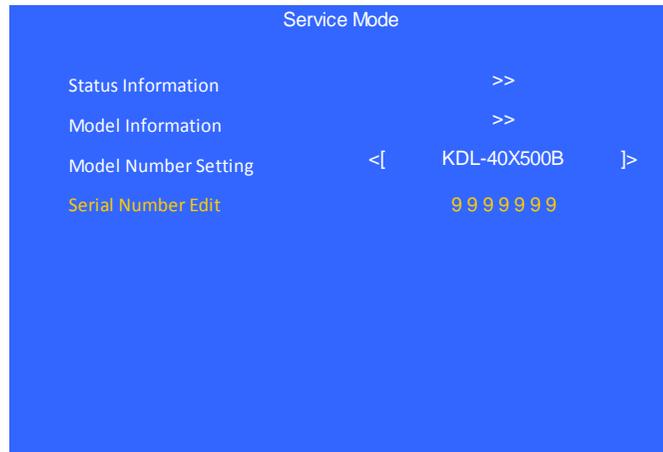
- After user input data , press <Enter>.
- Pop dialog will appear to inform user to confirm data.
- Press **➡** or **⬅** button to select "Yes" or "No" .
- Select "Yes" if input data is correct.
- Select "No" if input data is incorrect.
- Press <Enter> to save answer.



Note: * The font color of "Yes" is change to black when it is selected.

4) If **“Yes” is selected**, the input data is saved into EEPROM.

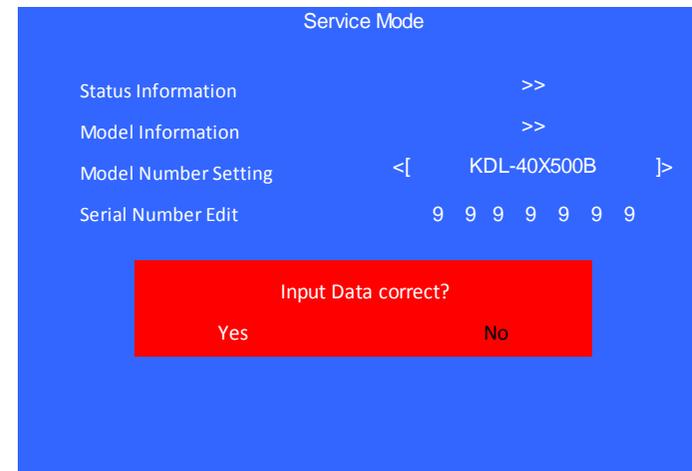
- “Serial Number Edit” is grayed out and the serial number that has been input is displayed.
- User will **not able to edit** anymore.



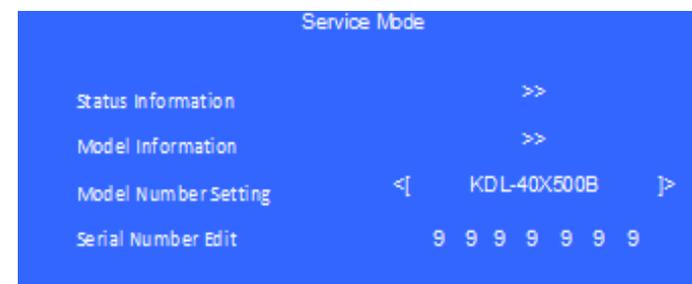
Note: * The font color of “Serial Number Edit” is change to orange after “Yes” is selected.

5) If **“No” is selected**, the input data is not saved into EEPROM.

- The serial number that has been input is displayed.
- User can still edit the Serial Number.



Note: * The font color of **“No”** is change to black when it is selected.



Note: * The font color of “Serial Number Edit” is white after “No” is selected.

ACCESSING MODEL NUMBER SETTING

1) In Service Mode, select “Model” pressing  button. Select “Model Number Setting” pressing  button.

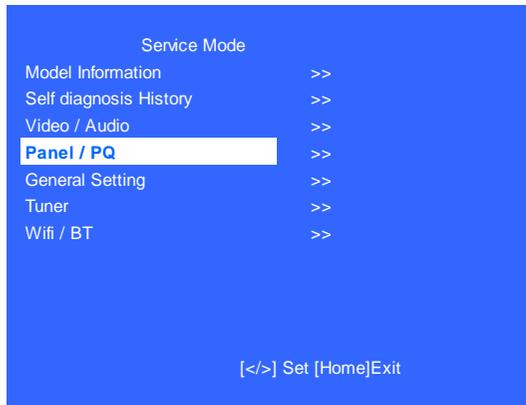


- 2) Press  or  button on Remote to input numbers.
- 3) Press  or  arrow key to Product Name Candidate. (e.g. KDL-40X500B CO1, KDL-40X500C BR6)
- 4) Select one Product Name from the LIST, press  (Enter) will pop dialog to inform user to confirm data.
- 5) Press “OK” button to select YES or No.
 - Select OK if input data is correct.
 - Select NO if input data is incorrect.
 - Press <Enter> to save answer.
 - Model dependent settings will be overwritten into EEPROM.

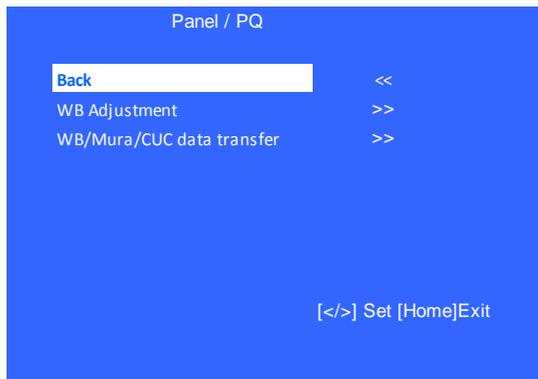
W/B ADJUSTMENT VIA SERVICE MODE

Apply when B* board or Panel is replaced.

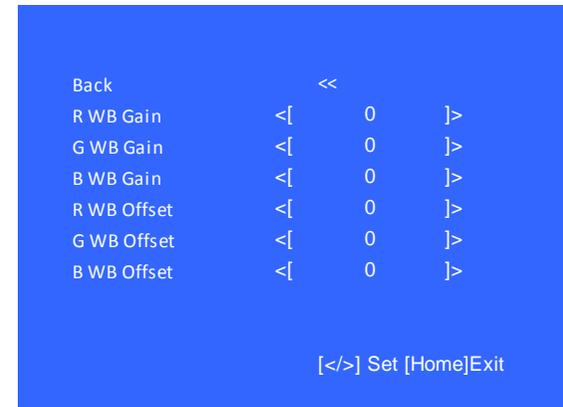
1) In Service Mode, select "Panel/PQ" pressing **➡** button.



2) Go to "WB Adjustment", category by **⬆** or **⬇** button. To select "WB Adjustment", press **➡** button.



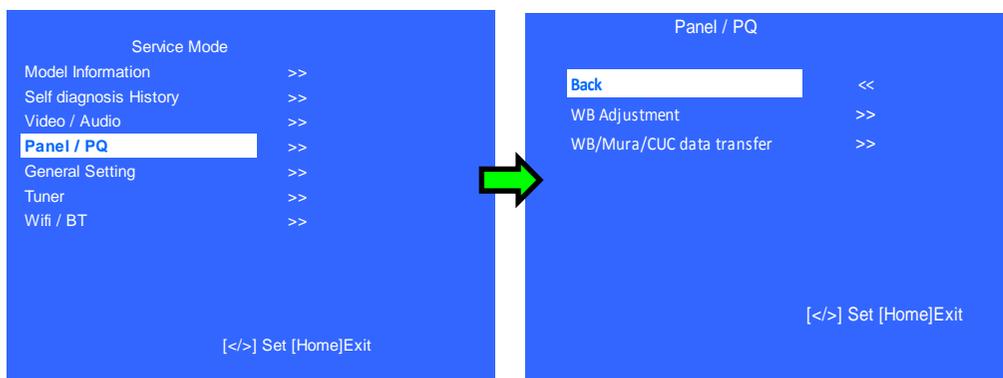
3) To change data, press **⬅** or **➡** button.



WB/MURA/CUC DATA TRANSFER VIA SERVICE MODE

Apply when B* board or Panel is replaced.

1) In Service Mode, select "Panel/PQ" pressing  button.



2) Go to "WB/Mura/CUC data transfer", category by  or  button.
To select "WB/Mura/CUC data transfer", press  button.

3) To change data, press  or  button.

4) In "WB/Mura/CUC data transfer:

a) Select "**WB/Gamma data transfer**" by pressing  or  on remote commander until cursor is on "**WB/Gamma data transfer**".

Selectable items are:

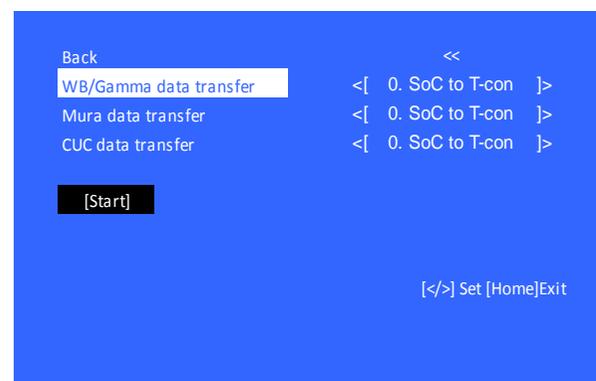
→ 0. SoC to T-con

→ T-con to SoC

→ Initialize data

b) To change the items, press  or  on remote commander.

c) Select "[Start]" and press "Enter" button to start transfer.



SEC 3. TROUBLE SHOOTING

3-1. TRIAGE CHART

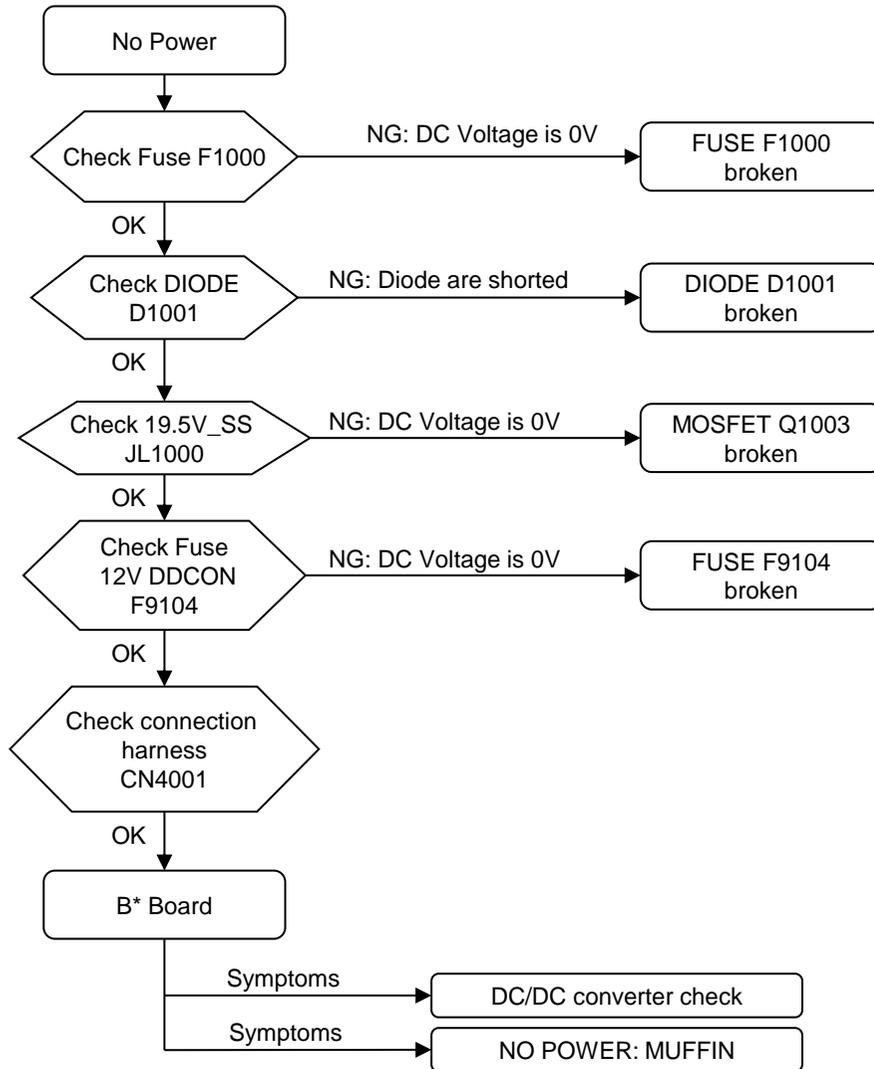
Reference	Symptoms - Shutdown. Power LED blinking red diagnostics sequences									No Power	Video - missing or distorted			Remote	Network	Audio	Skype	Smart Core	Bluetooth (BT)
	2	3	4	5	6	7	8	9	10	No White Power LED & does not response to remote (Dead Set)	Stationary coloured lines or dots	No video One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

- Most likely defective part
- ▲ Secondary possible defective part
- Not Applicable

Size	B* Board	G* Board	H* Board
50"	BMX	Not applicable	HSC3
55"	BMX	Not applicable	HSC3

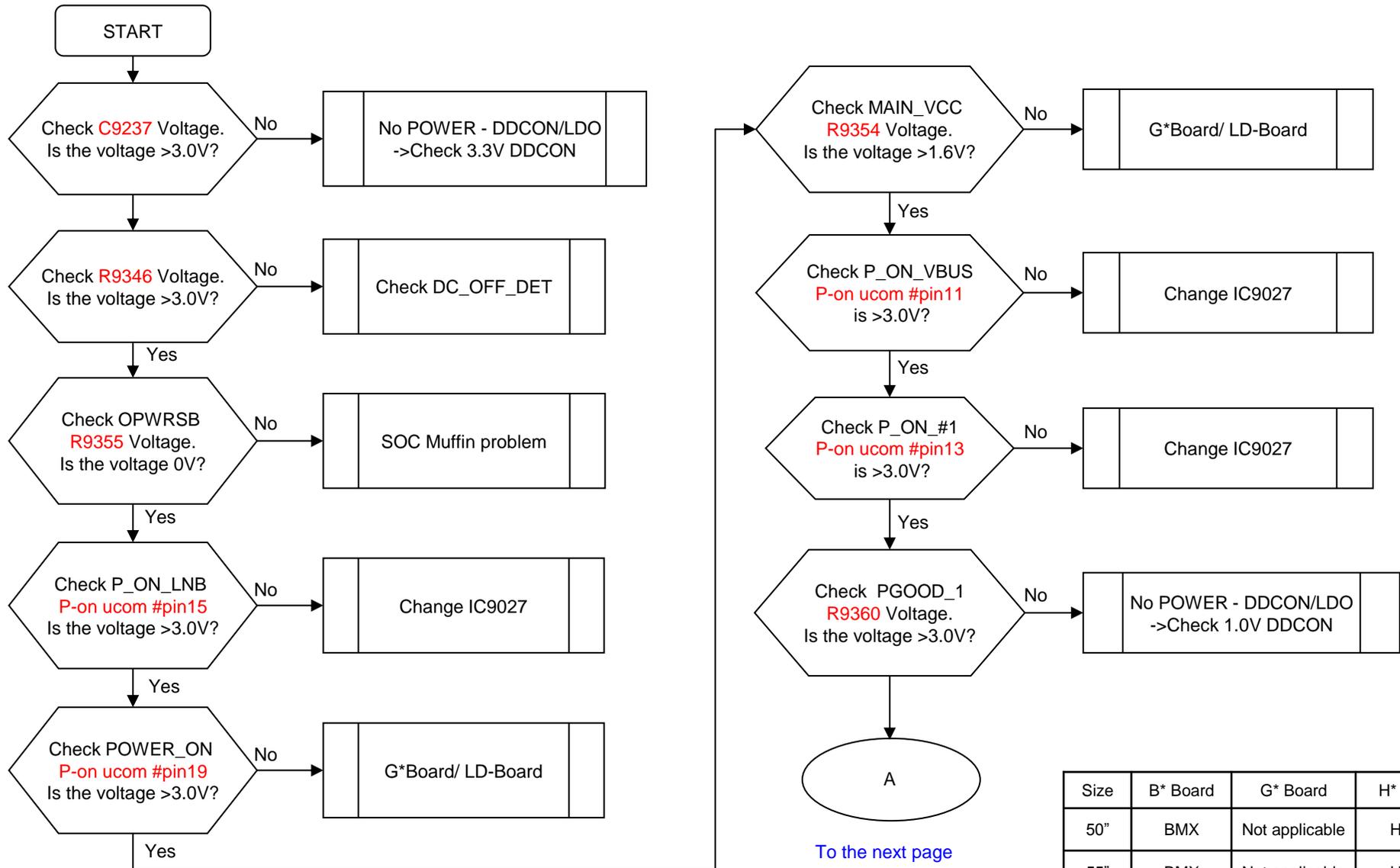
3-2. NO POWER

3-2-1. No Power (LD Board)



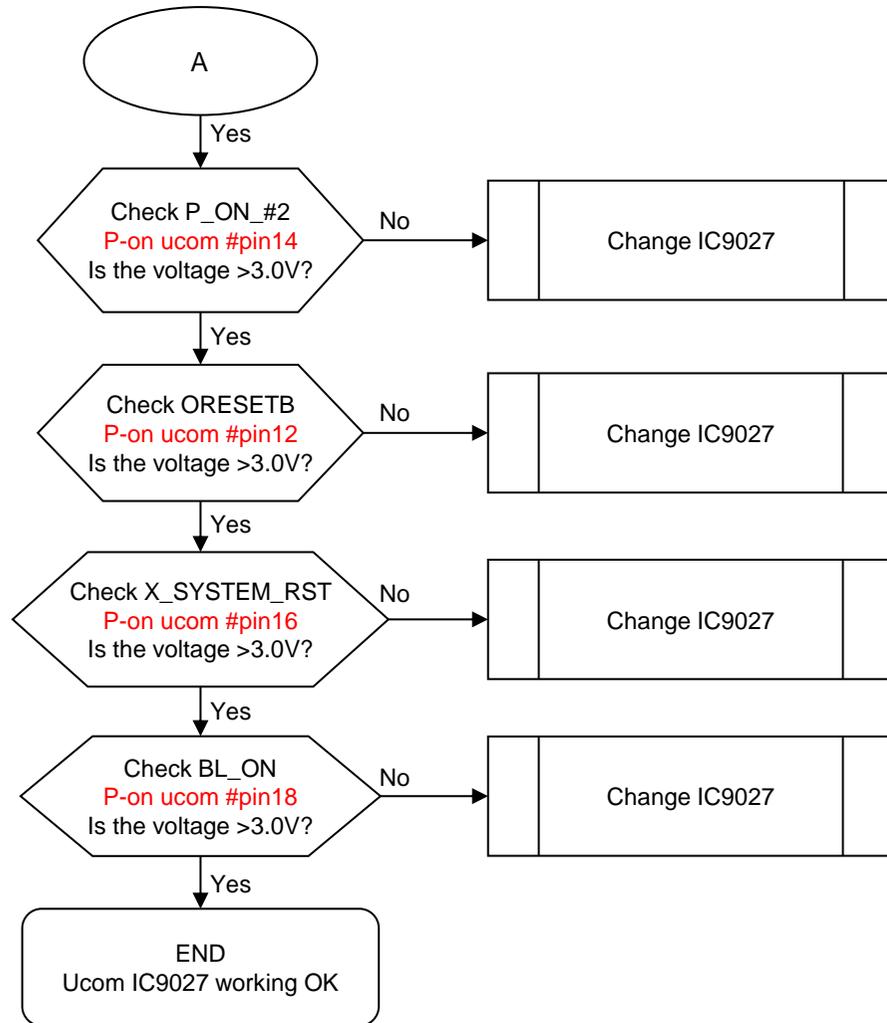
Size	B* Board	G* Board	H* Board
50"	BMX	Not applicable	HSC3
55"	BMX	Not applicable	HSC3

3-2-2. NO Power (U-Com Failure)



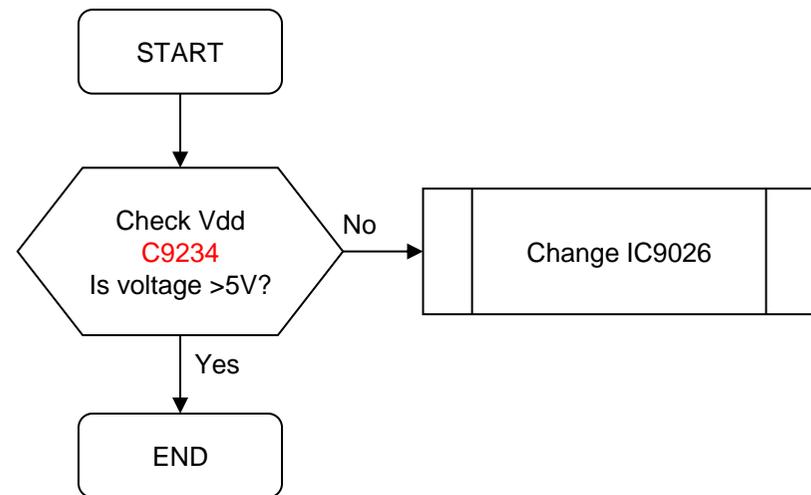
Size	B* Board	G* Board	H* Board
50"	BMX	Not applicable	HSC3
55"	BMX	Not applicable	HSC3

From previous page

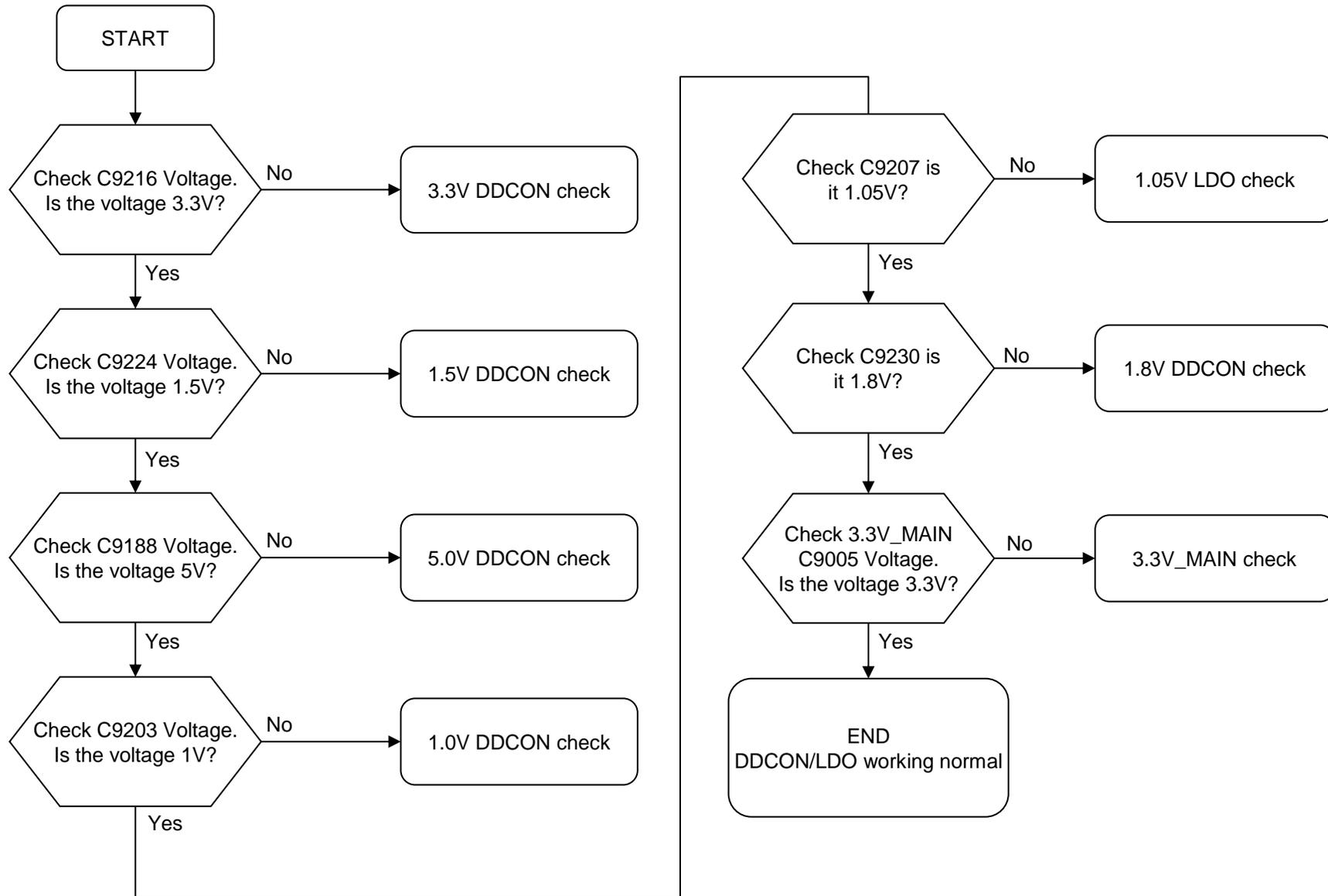


3-2-3. NO Power (U-Com Failure)

a) DC_OFF_DET check

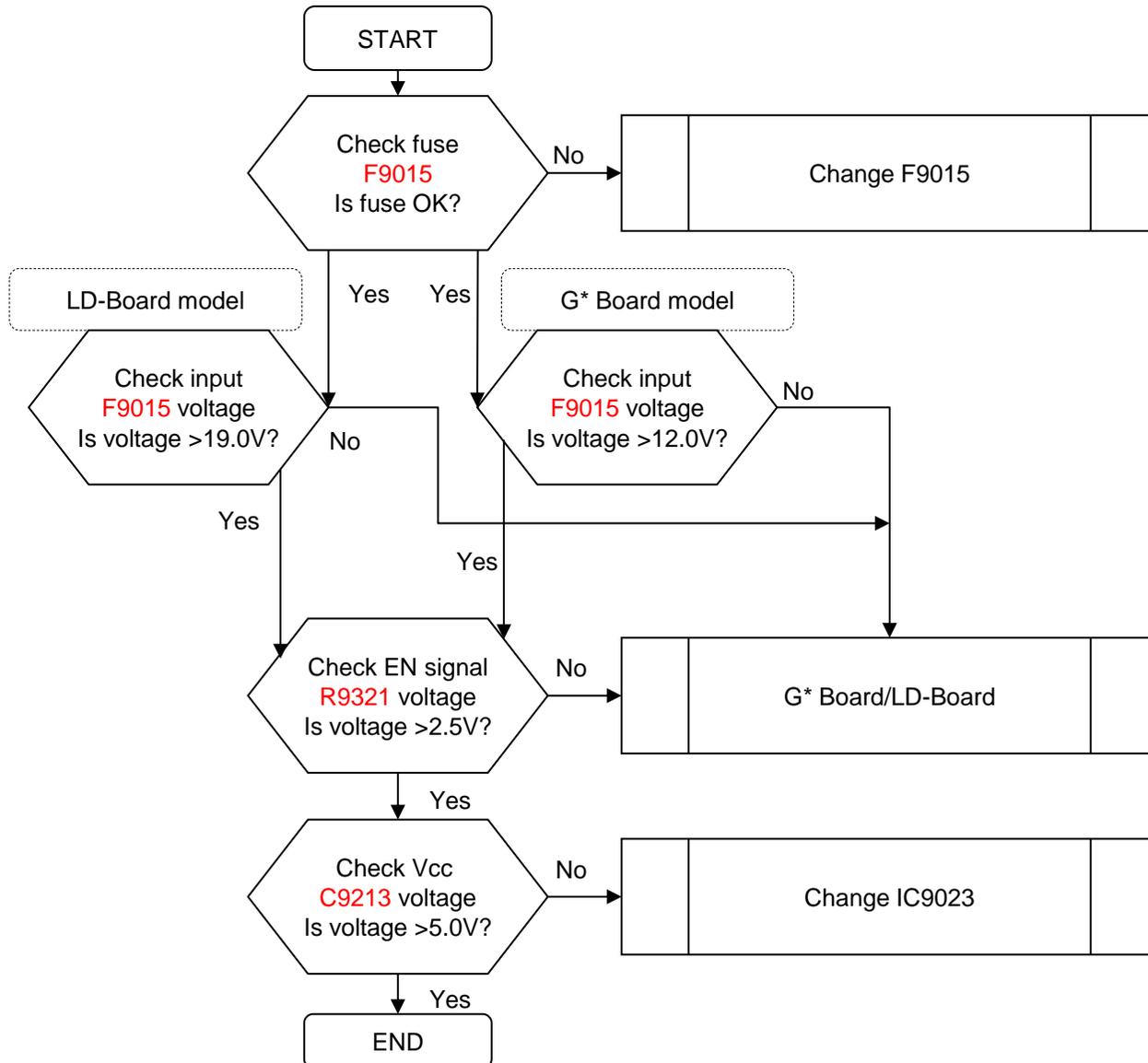


3-2-4. NO Power (DC/DC converter check)



3-2-4. NO Power (DC/DC converter check)

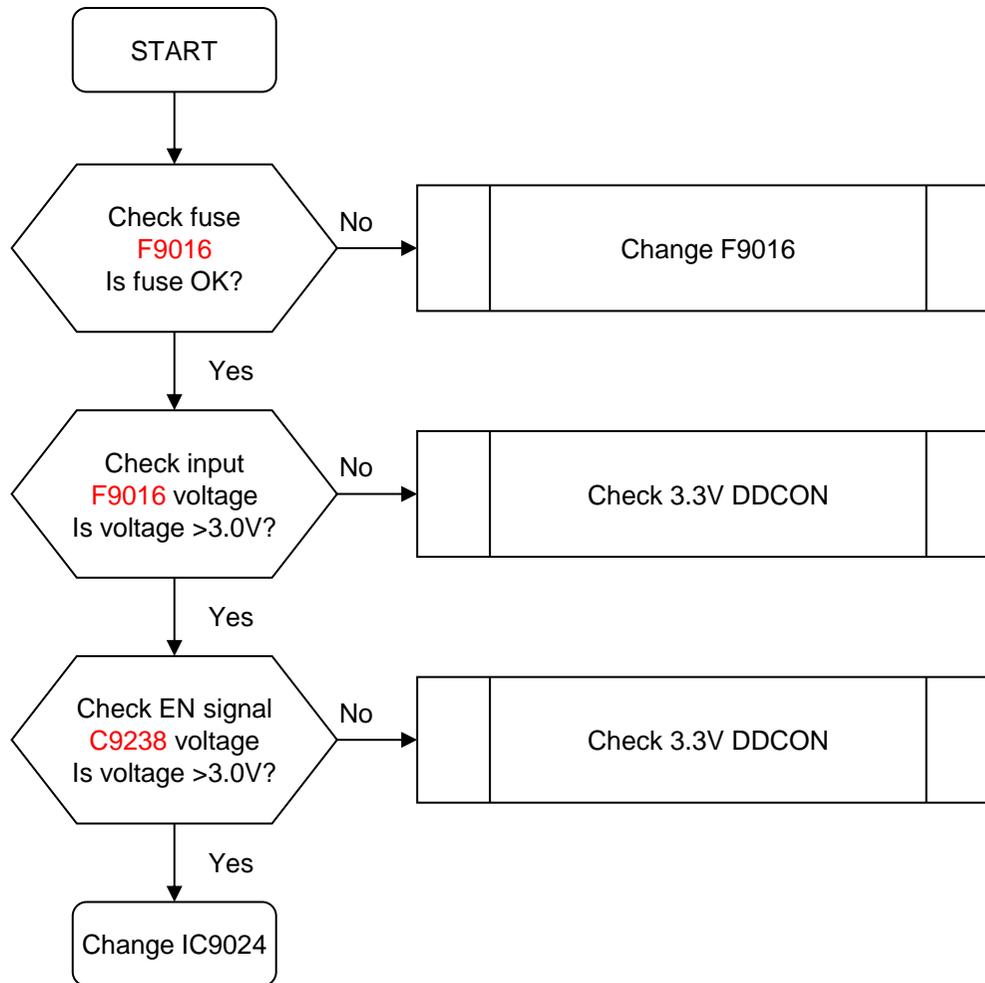
a) 3.3V DDCON check



Size	B* Board	G* Board	H* Board
50"	BMX	Not applicable	HSC3
55"	BMX	Not applicable	HSC3

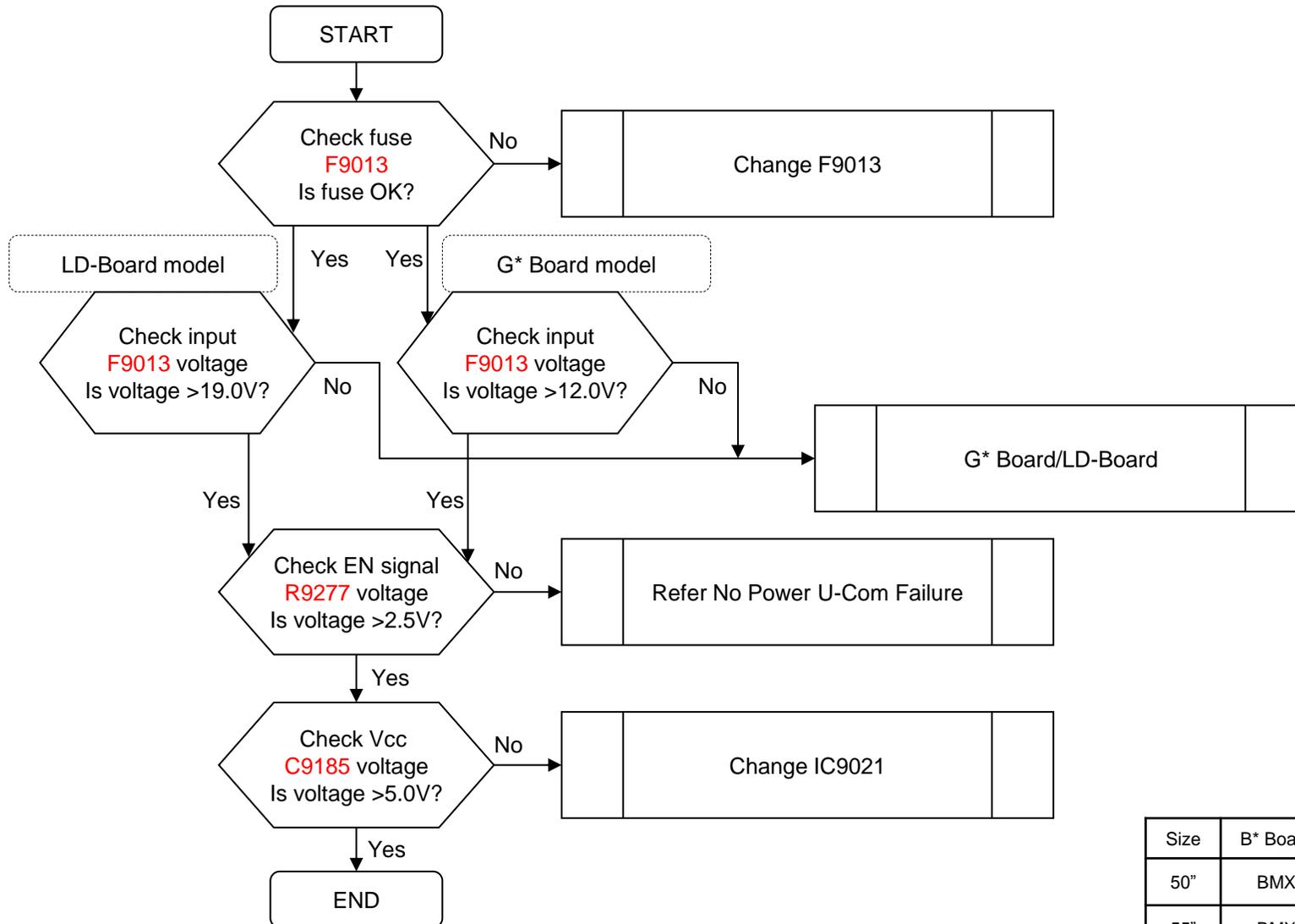
3-2-4. NO Power (DC/DC converter check)

b) 1.5V DDCON check



3-2-4. NO Power (DC/DC converter check)

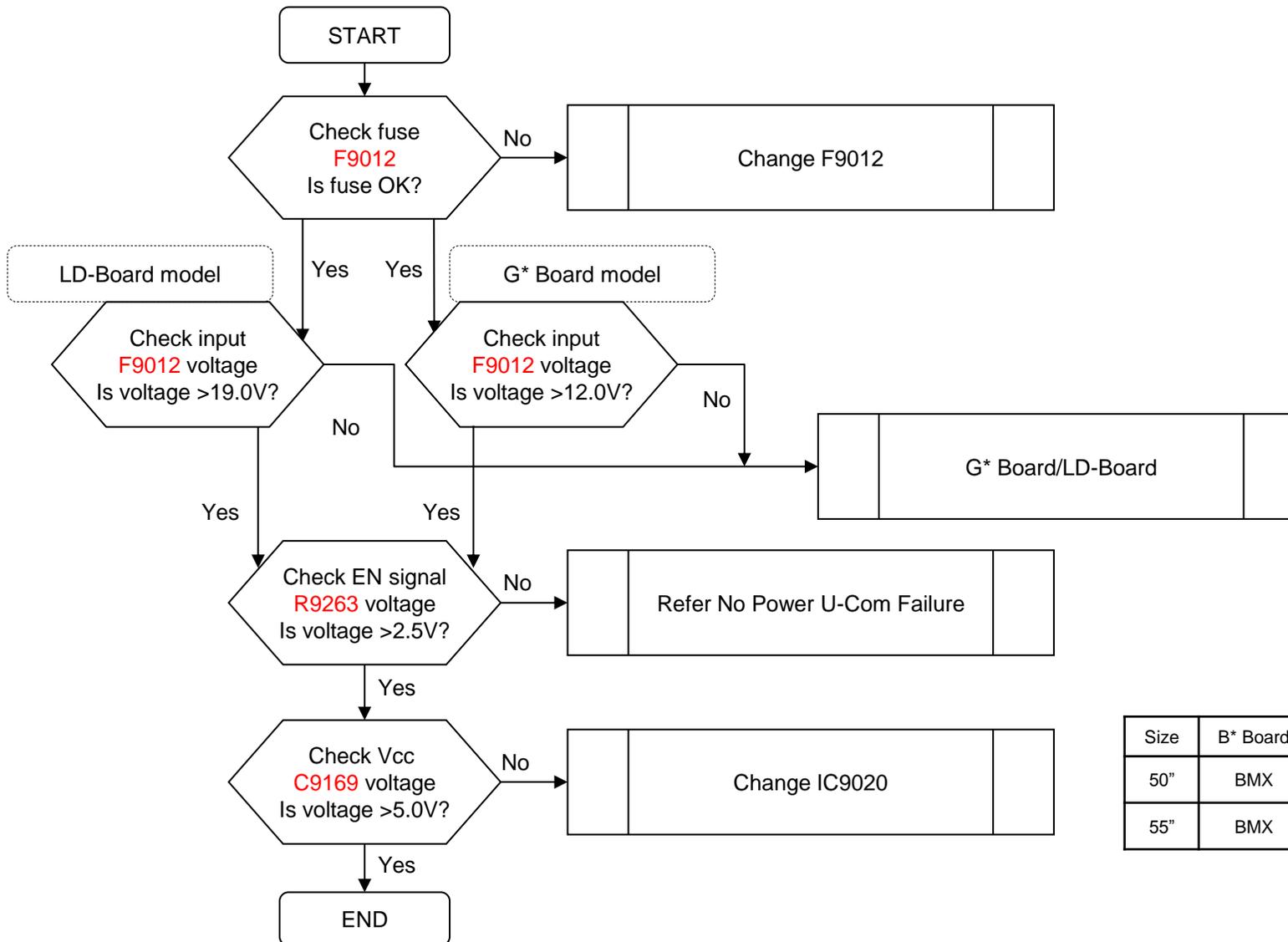
c) 5.0V DDCON check



Size	B* Board	G* Board	H* Board
50"	BMX	Not applicable	HSC3
55"	BMX	Not applicable	HSC3

3-2-4. NO Power (DC/DC converter check)

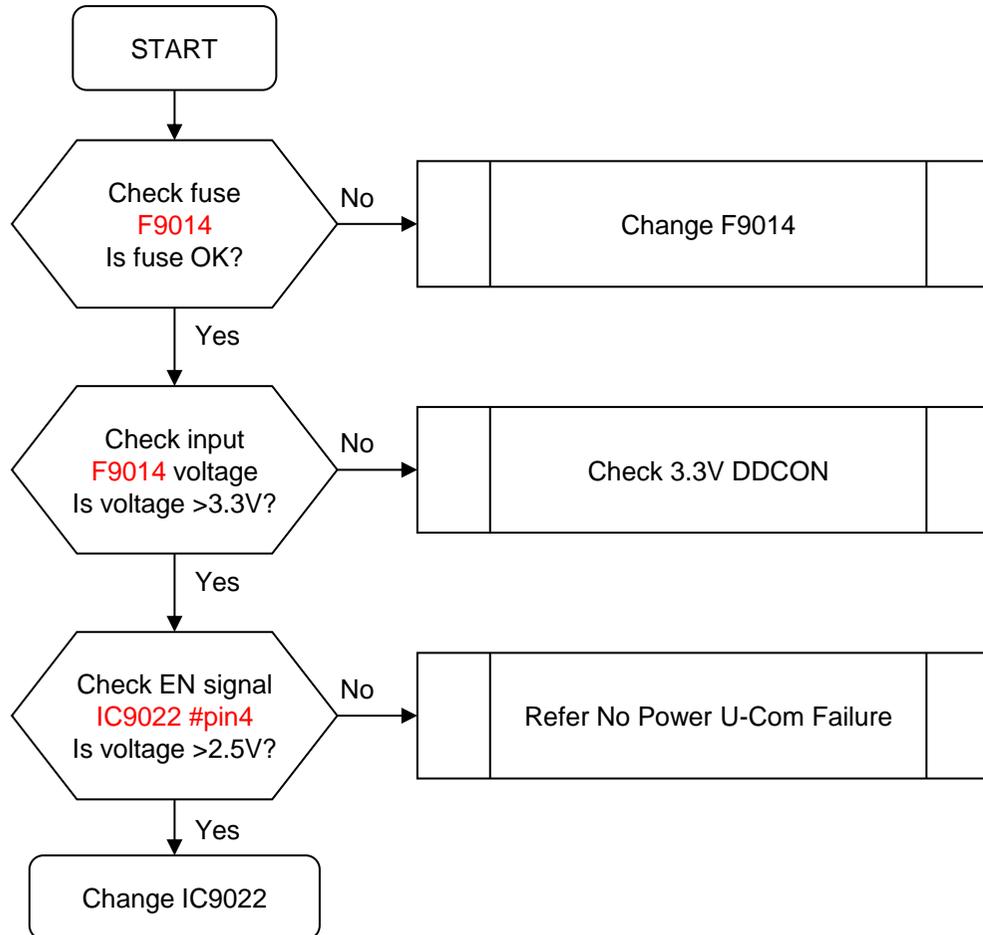
d) 1.0V DDCON check



Size	B* Board	G* Board	H* Board
50"	BMX	Not applicable	HSC3
55"	BMX	Not applicable	HSC3

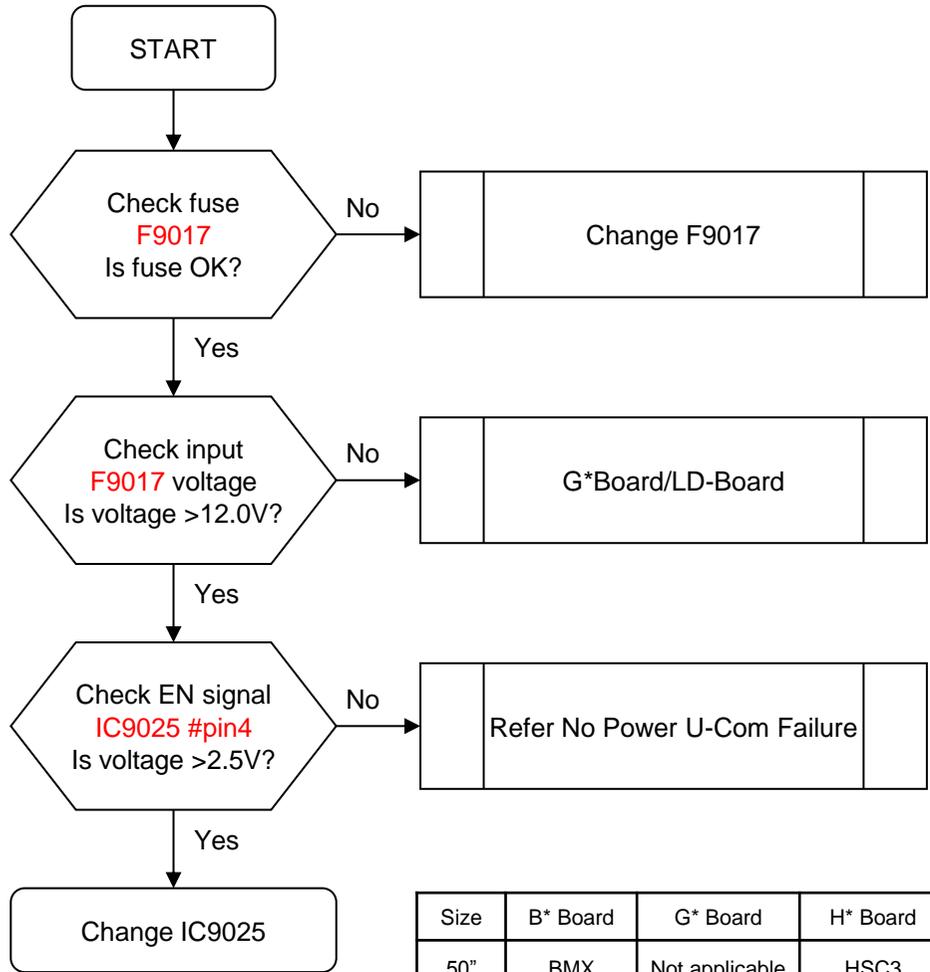
3-2-4. NO Power (DC/DC converter check)

e) 1.05V LDO check



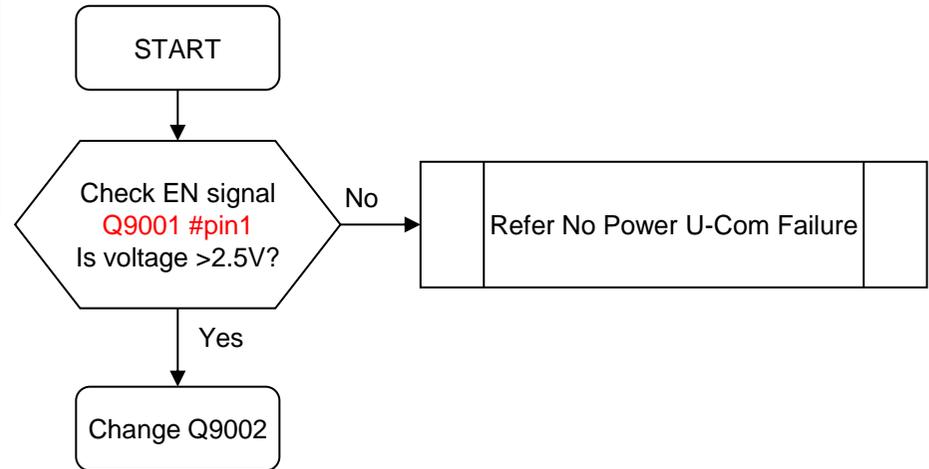
3-2-4. NO Power (DC/DC converter check)

f) 1.8V DDCON check

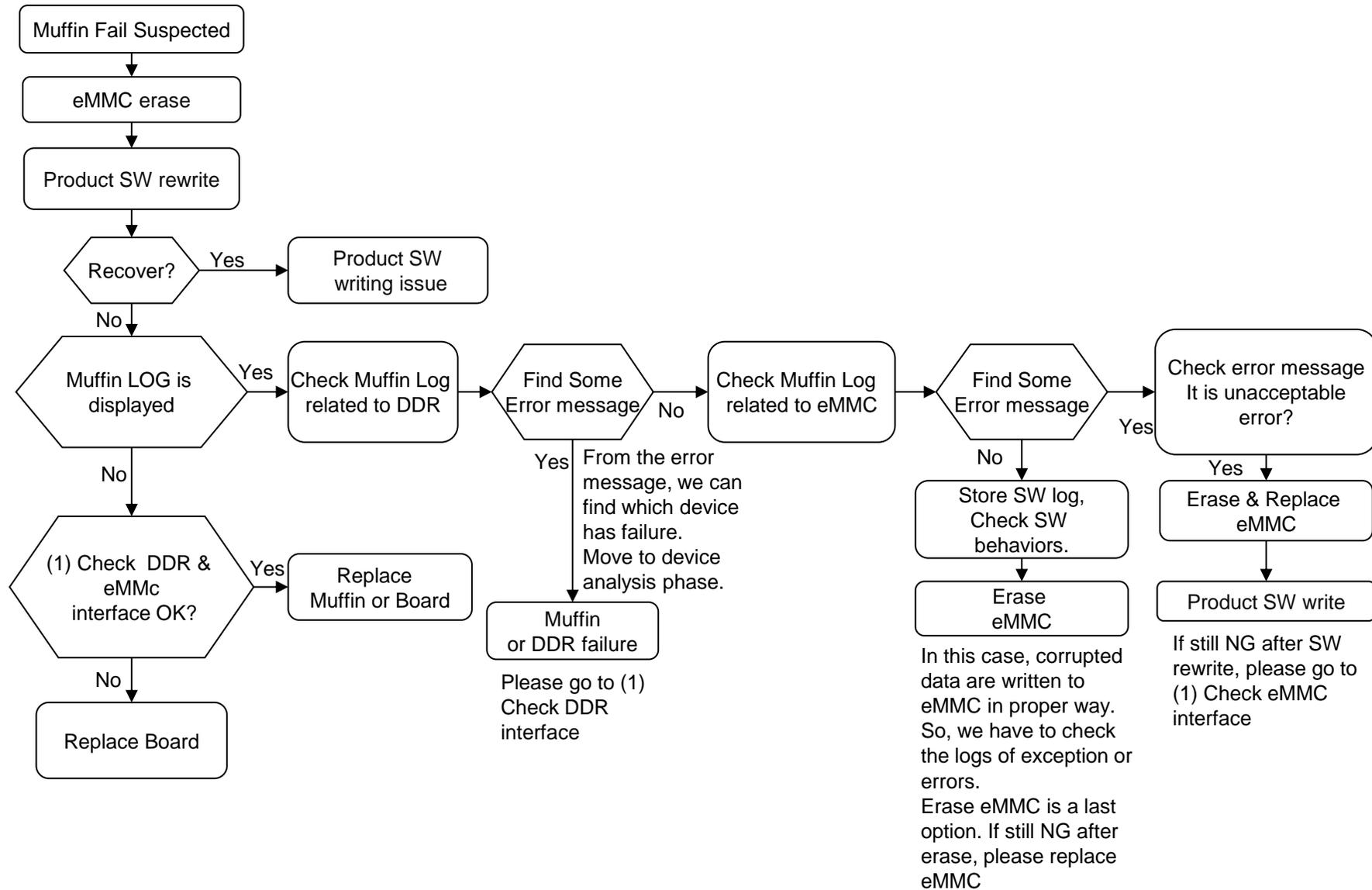


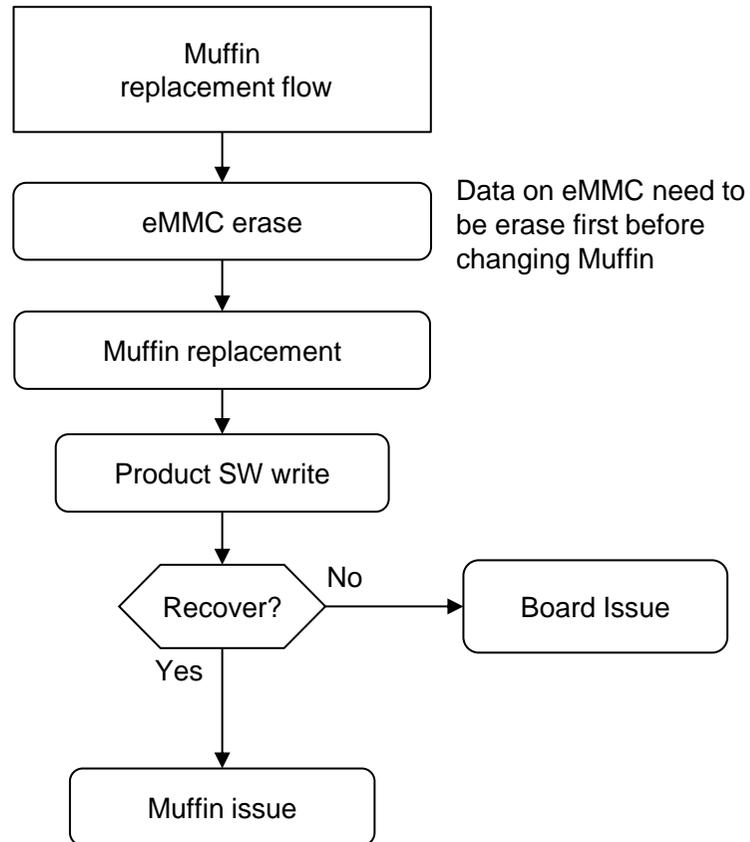
Size	B* Board	G* Board	H* Board
50"	BMX	Not applicable	HSC3
55"	BMX	Not applicable	HSC3

g) 3.3V_MAIN check



3-2-5. NO Power (Muffin failure (Main Device))

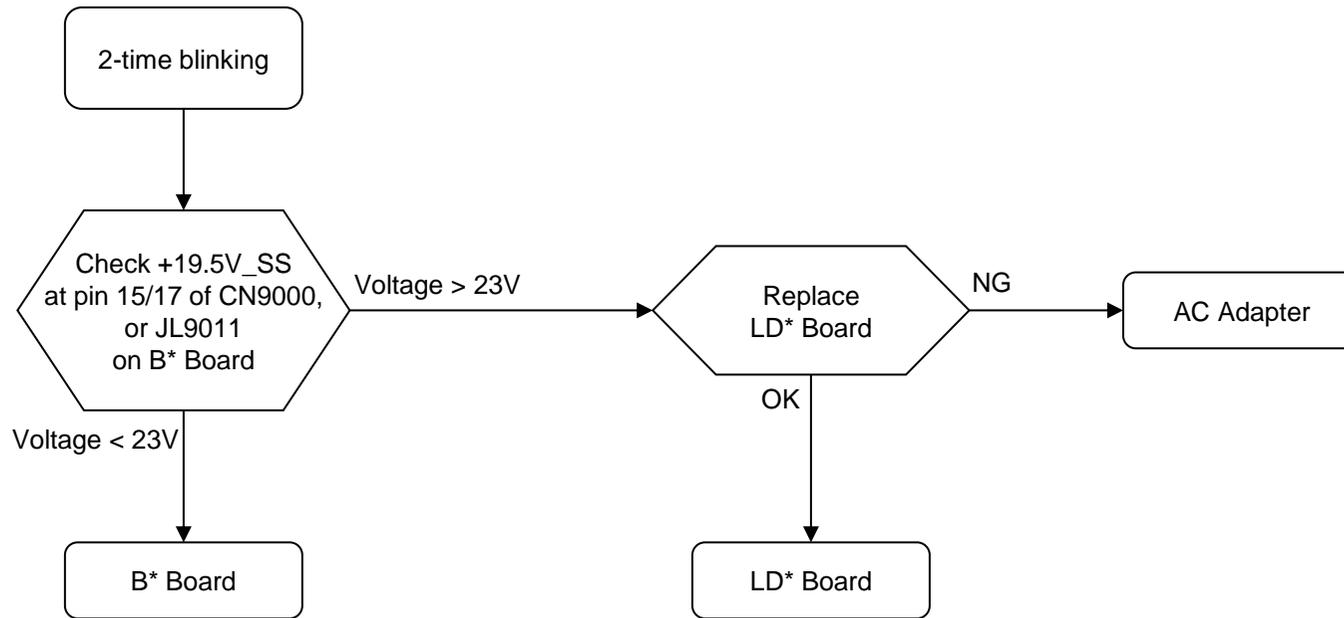


3-2-6. NO Power (Muffin Replacement (Main Device))

3-3. LED BLINKING

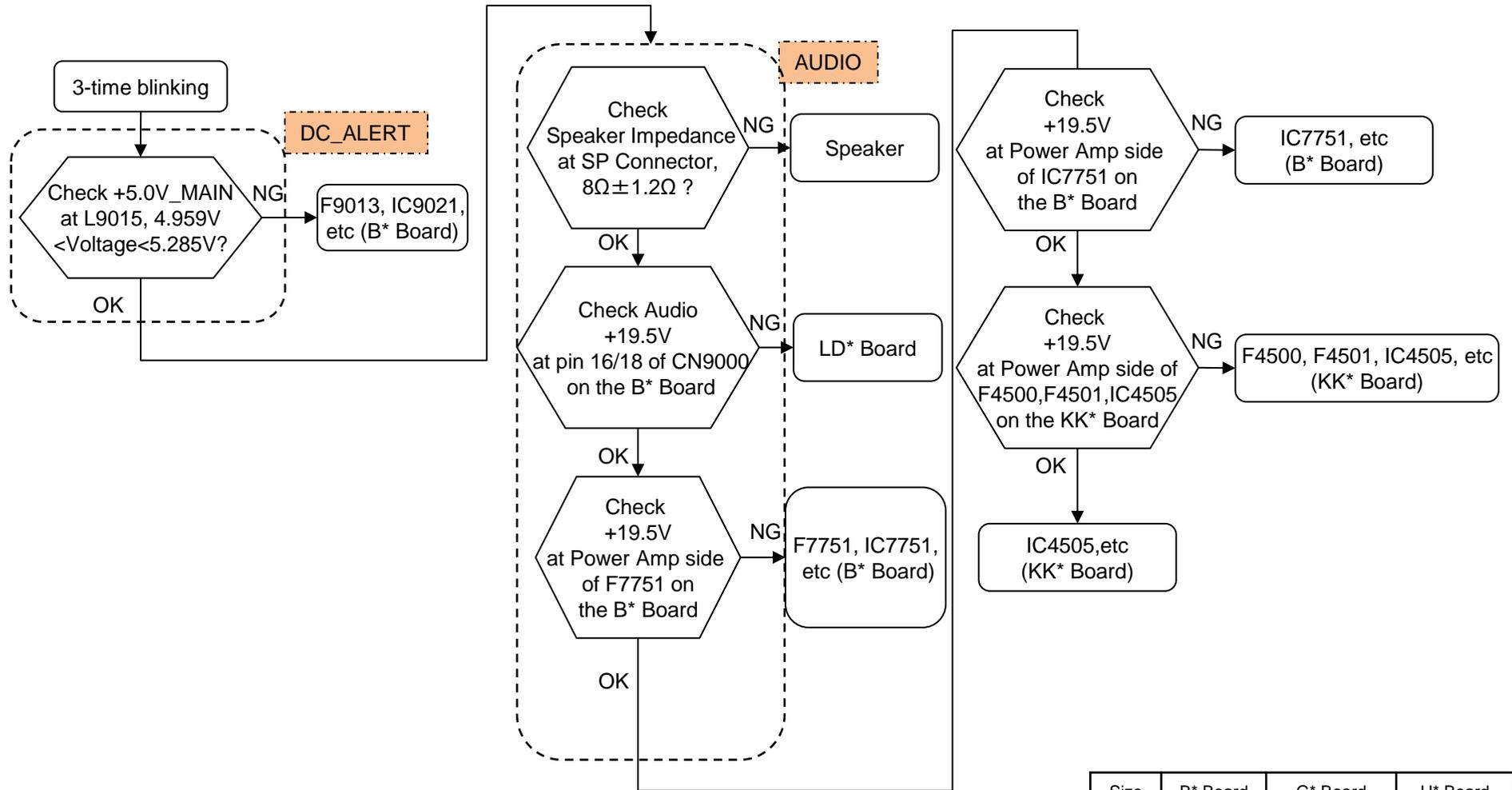
1) 2 times blinking (Main Power Error)

BMX board (XM-A, XM-AT and XM-DT) only → AC Adapter



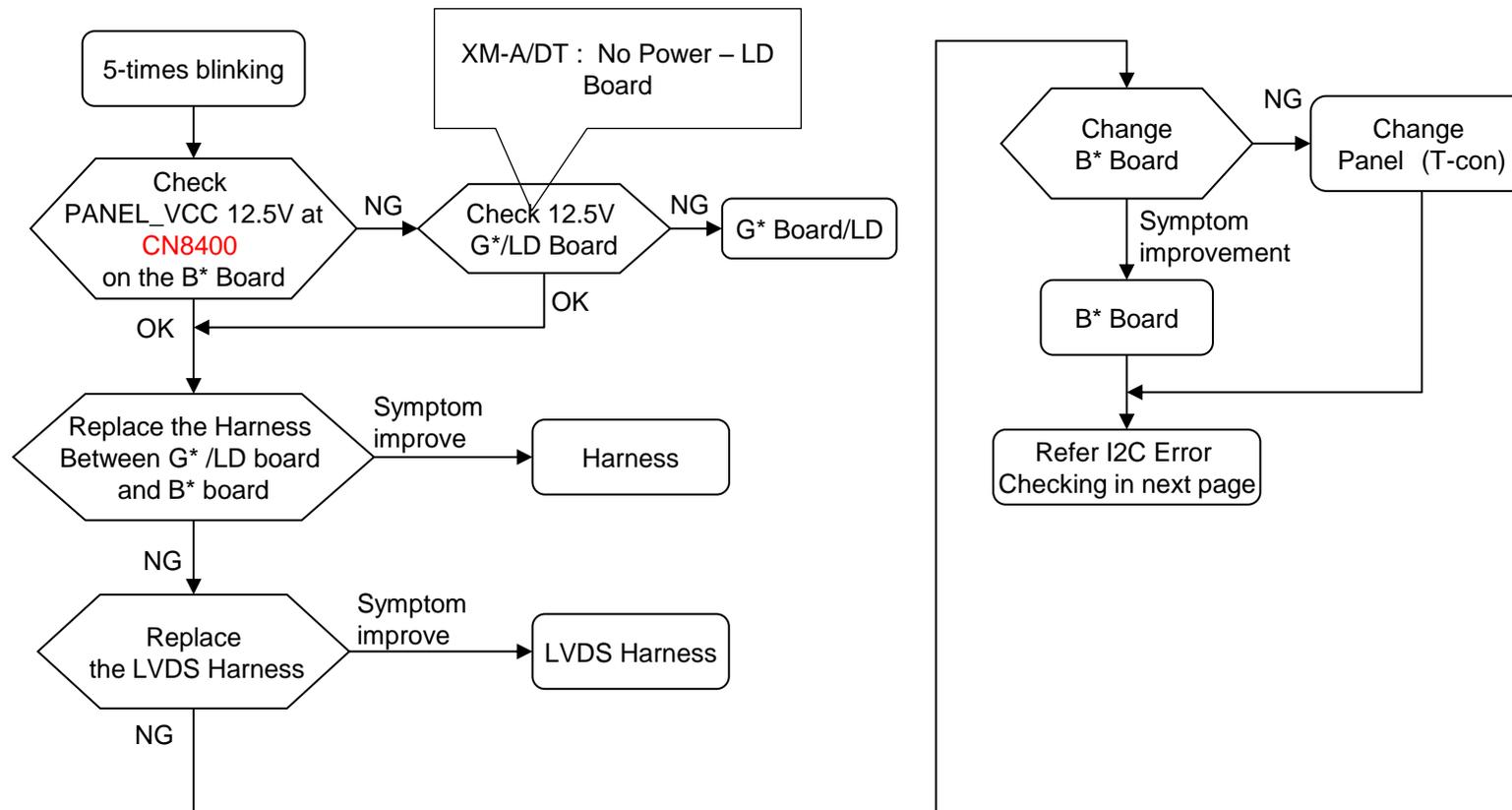
Size	B* Board	G* Board	H* Board
50"	BMX	Not applicable	HSC3
55"	BMX	Not applicable	HSC3

2) 3 times blinking (DC Alert & Communication Error)



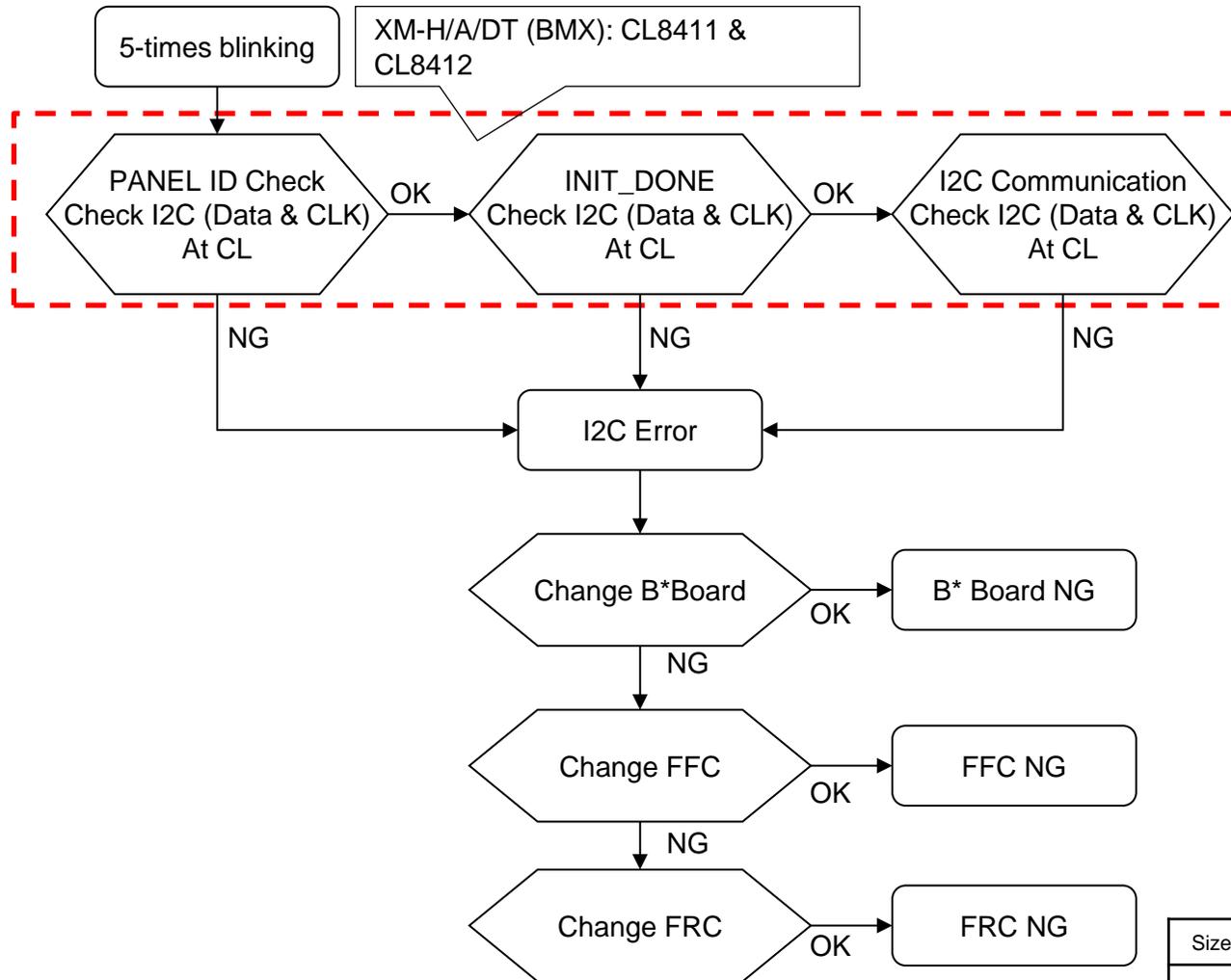
Size	B* Board	G* Board	H* Board
50"	BMX	Not applicable	HSC3
55"	BMX	Not applicable	HSC3

3) 5 times blinking (Panel Communication Error (12.5V NG))



Size	B* Board	G* Board	H* Board
50"	BMX	Not applicable	HSC3
55"	BMX	Not applicable	HSC3

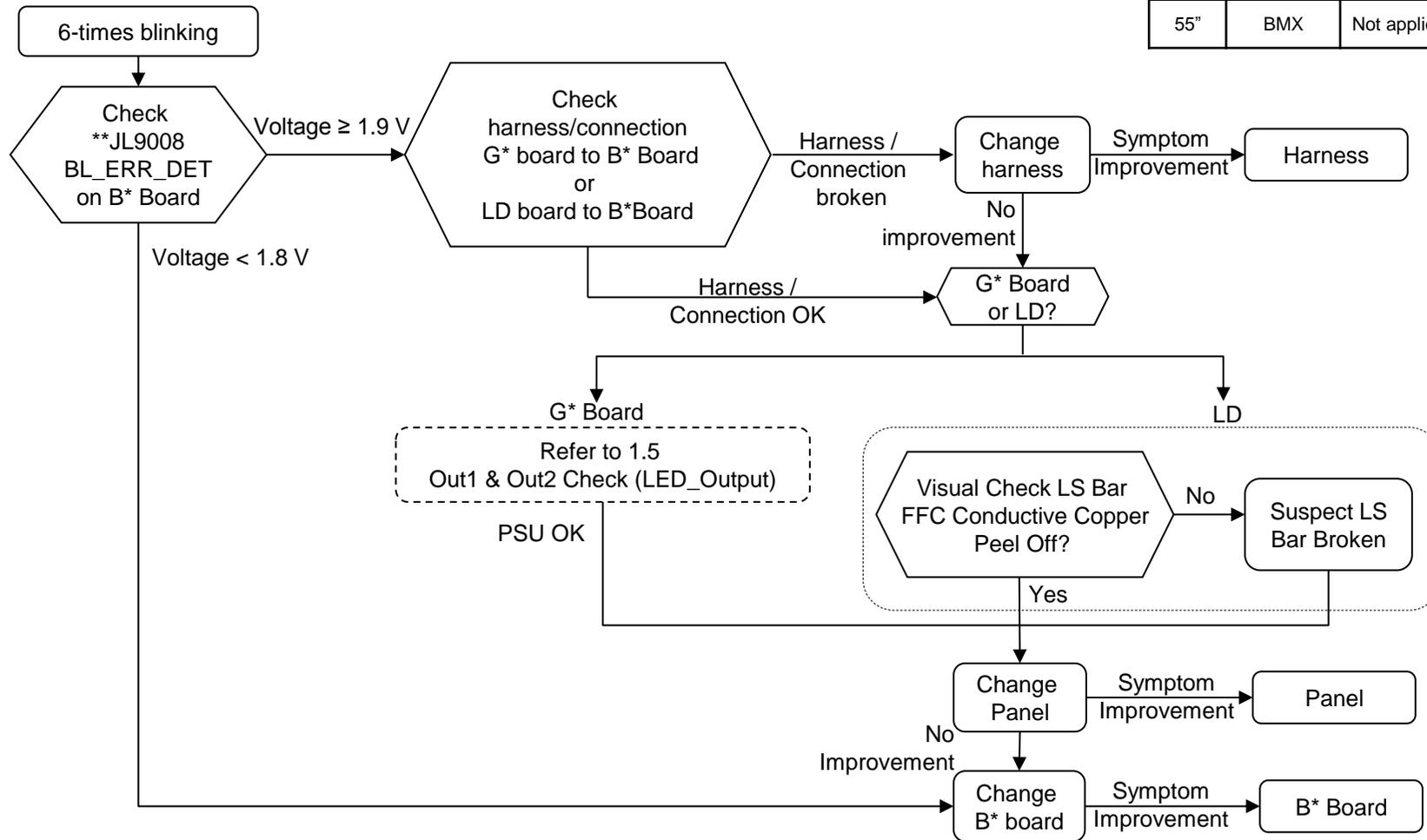
4) 5 times blinking (Panel Communication Error (I2C Error))



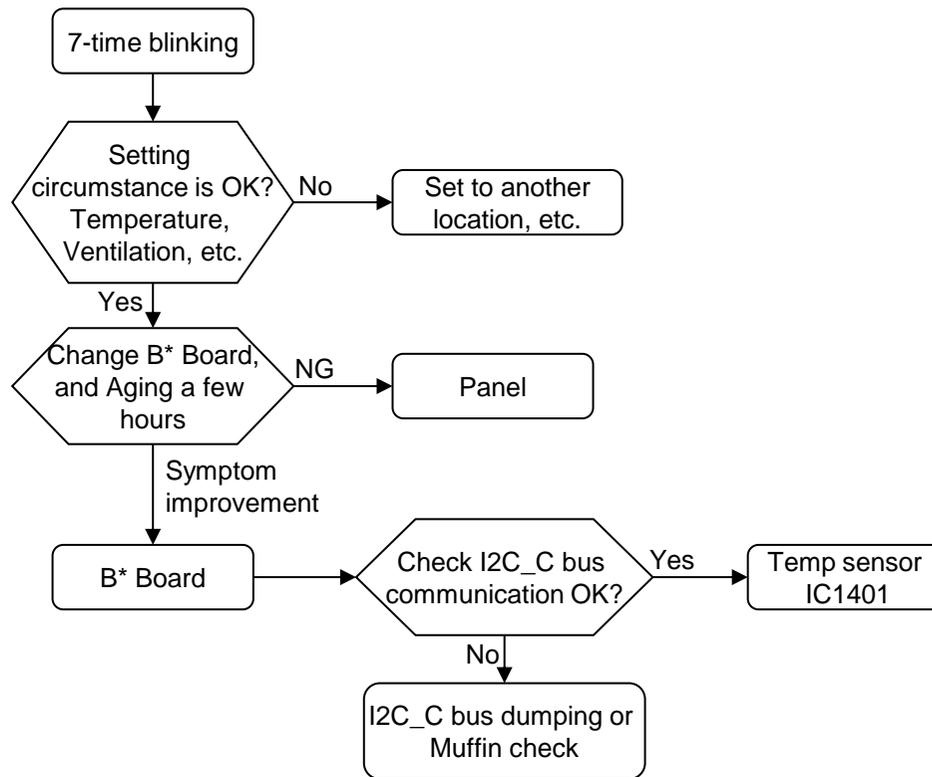
Size	B* Board	G* Board	H* Board
50"	BMX	Not applicable	HSC3
55"	BMX	Not applicable	HSC3

5) 6 times blinking (Backlight Error)

Size	B* Board	G* Board	H* Board
50"	BMX	Not applicable	HSC3
55"	BMX	Not applicable	HSC3

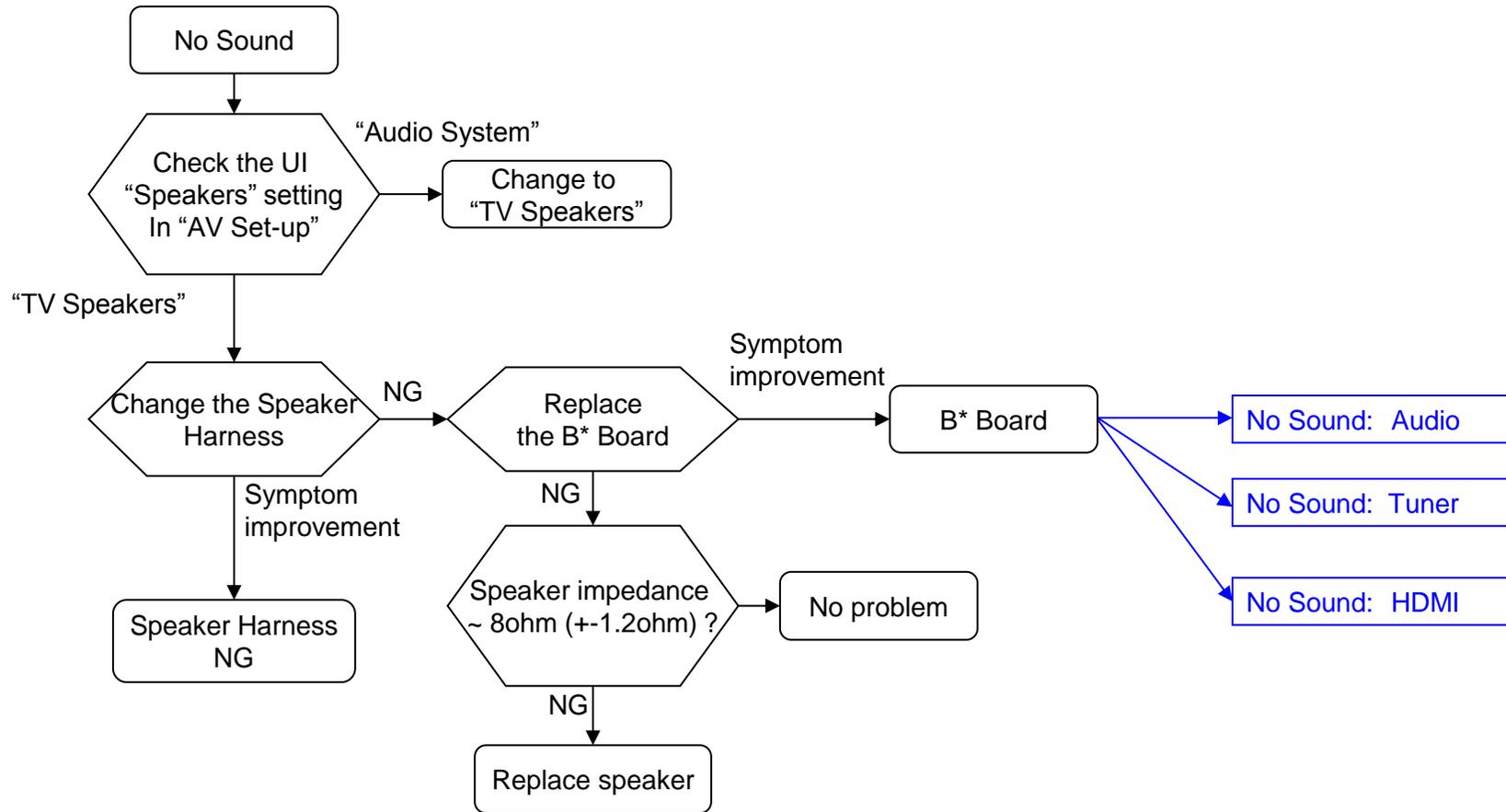


6) 7 times blinking (Temperature Error)



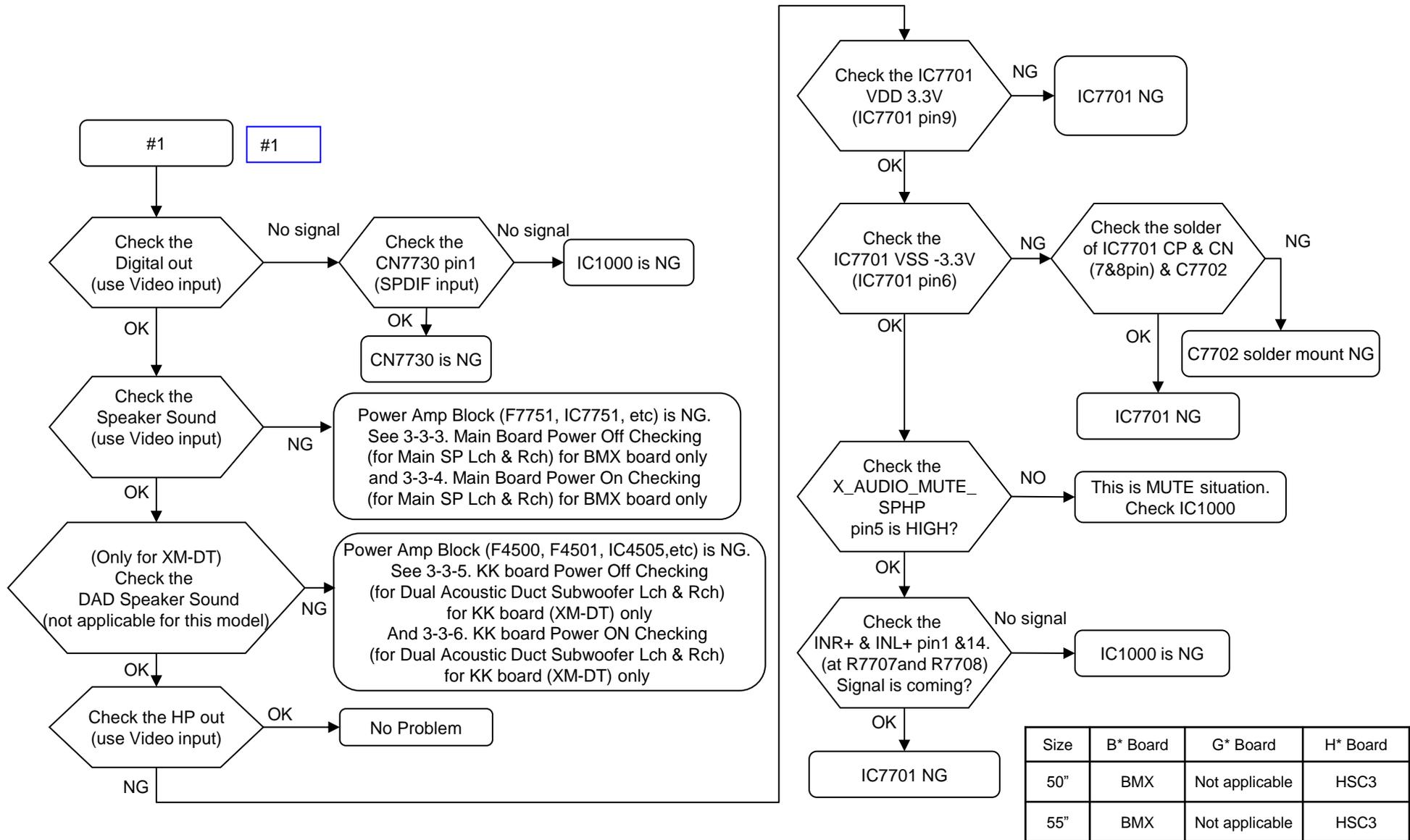
Size	B* Board	G* Board	H* Board
50"	BMX	Not applicable	HSC3
55"	BMX	Not applicable	HSC3

3-4. NO SOUND



Size	B* Board	G* Board	H* Board
50"	BMX	Not applicable	HSC3
55"	BMX	Not applicable	HSC3

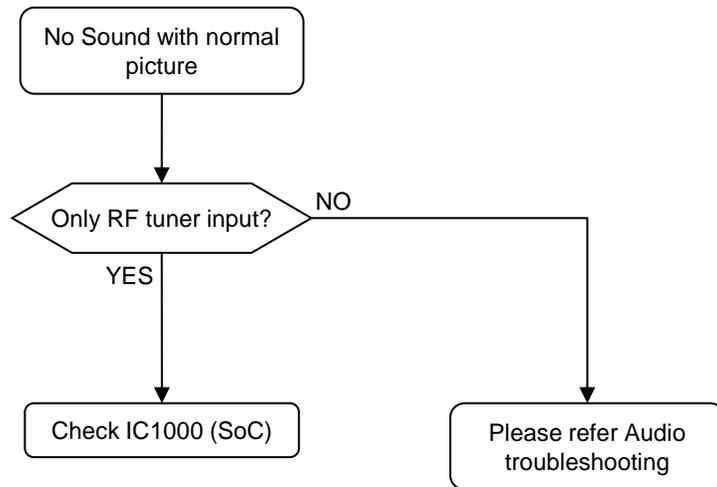
3-4-1. NO SOUND: Audio



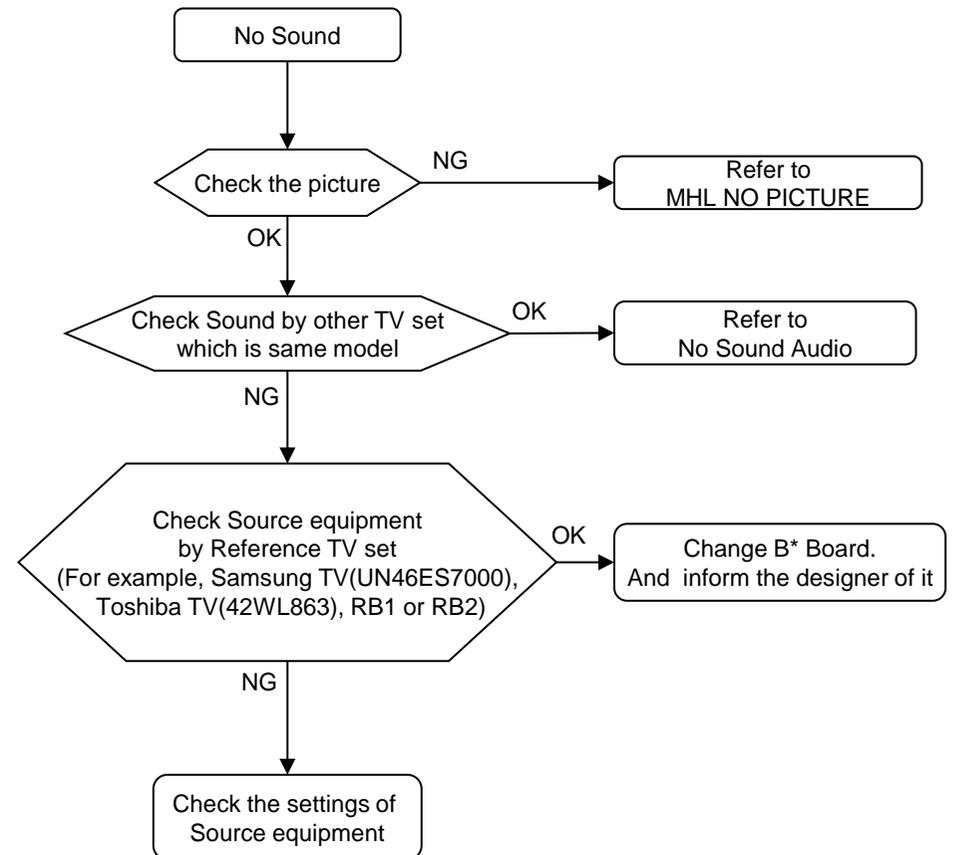
Size	B* Board	G* Board	H* Board
50"	BMX	Not applicable	HSC3
55"	BMX	Not applicable	HSC3

3-4-2. NO SOUND: TUNER

This troubleshooting is only for Analog

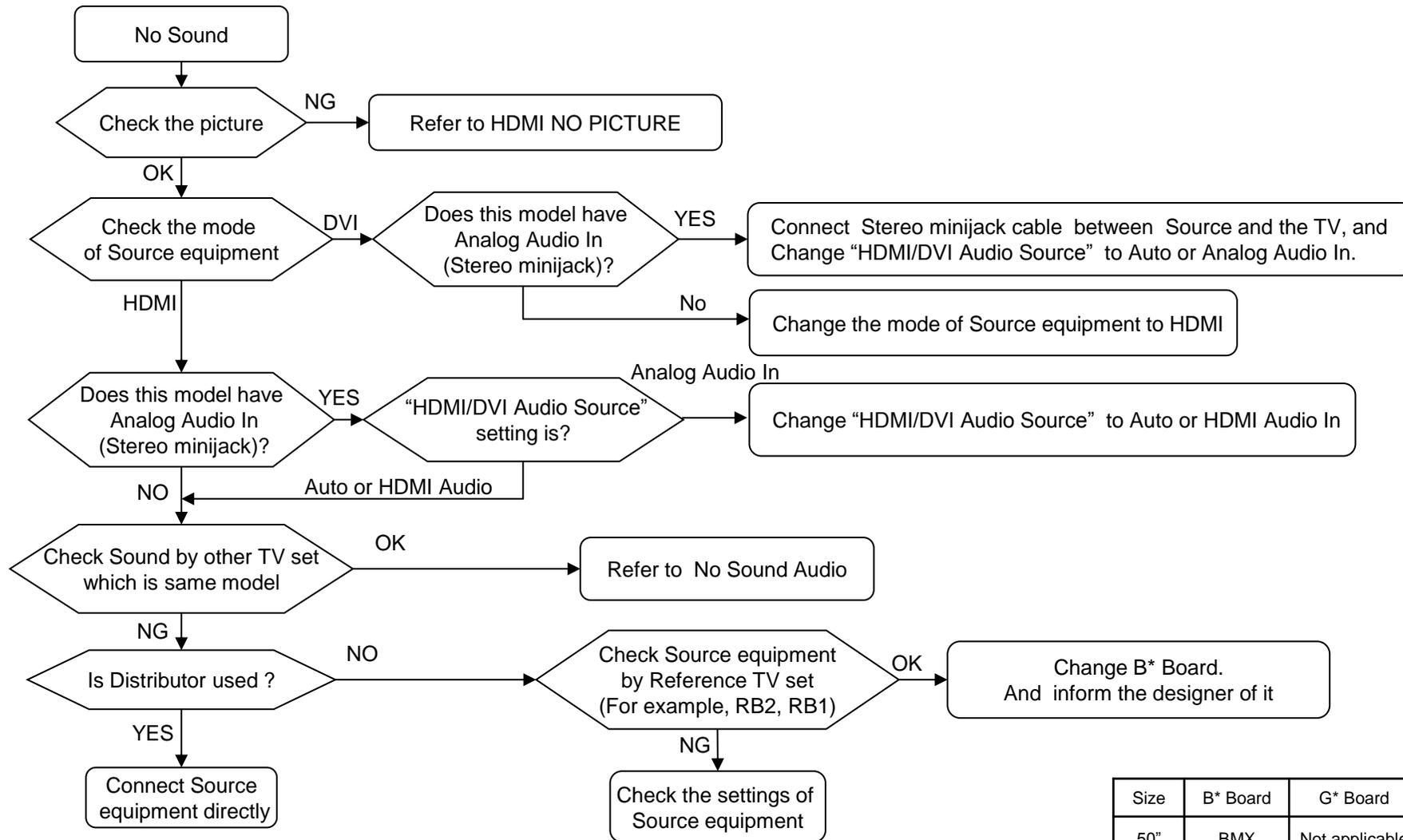


3-4-3. NO SOUND: MHL



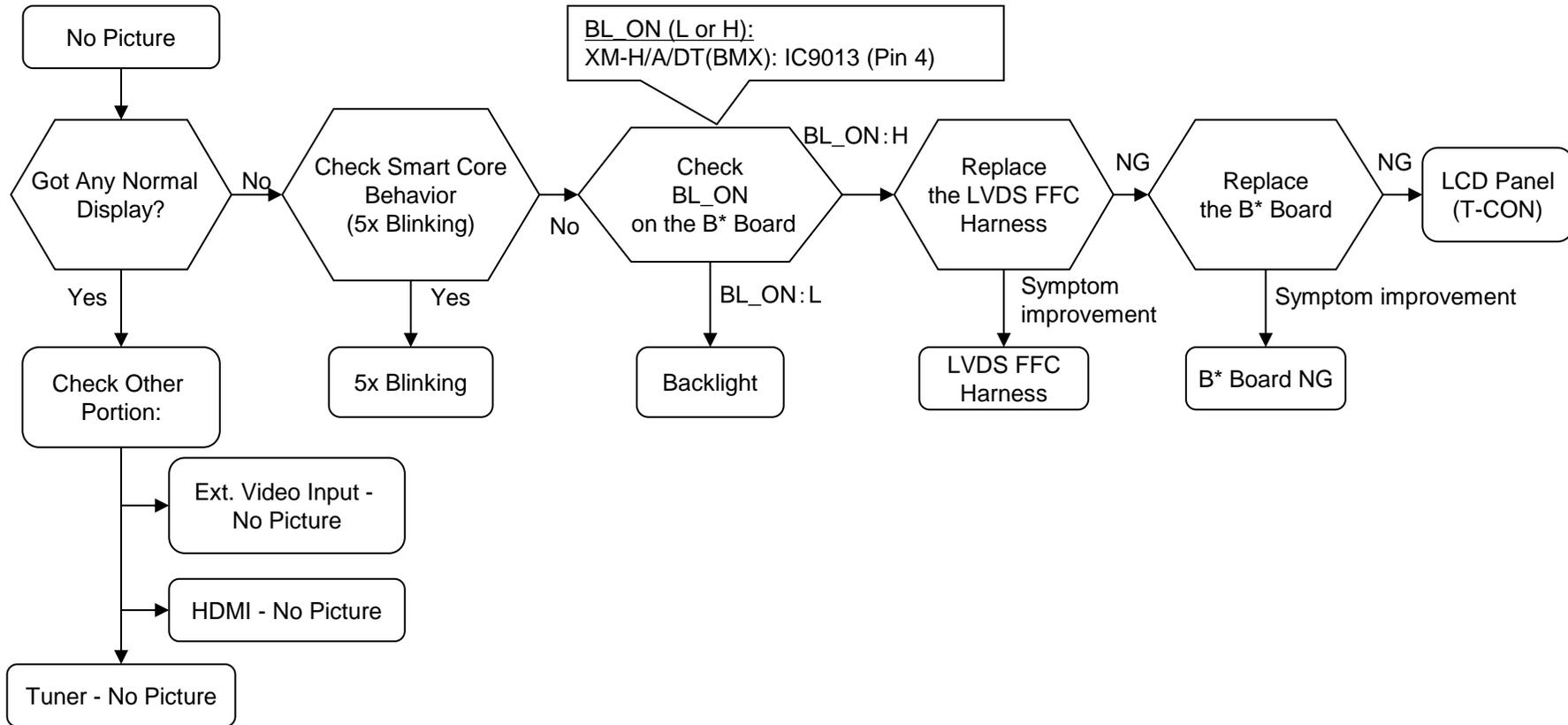
Size	B* Board	G* Board	H* Board
50"	BMX	Not applicable	HSC3
55"	BMX	Not applicable	HSC3

3-4-4. NO SOUND: HDMI1/2/3/4



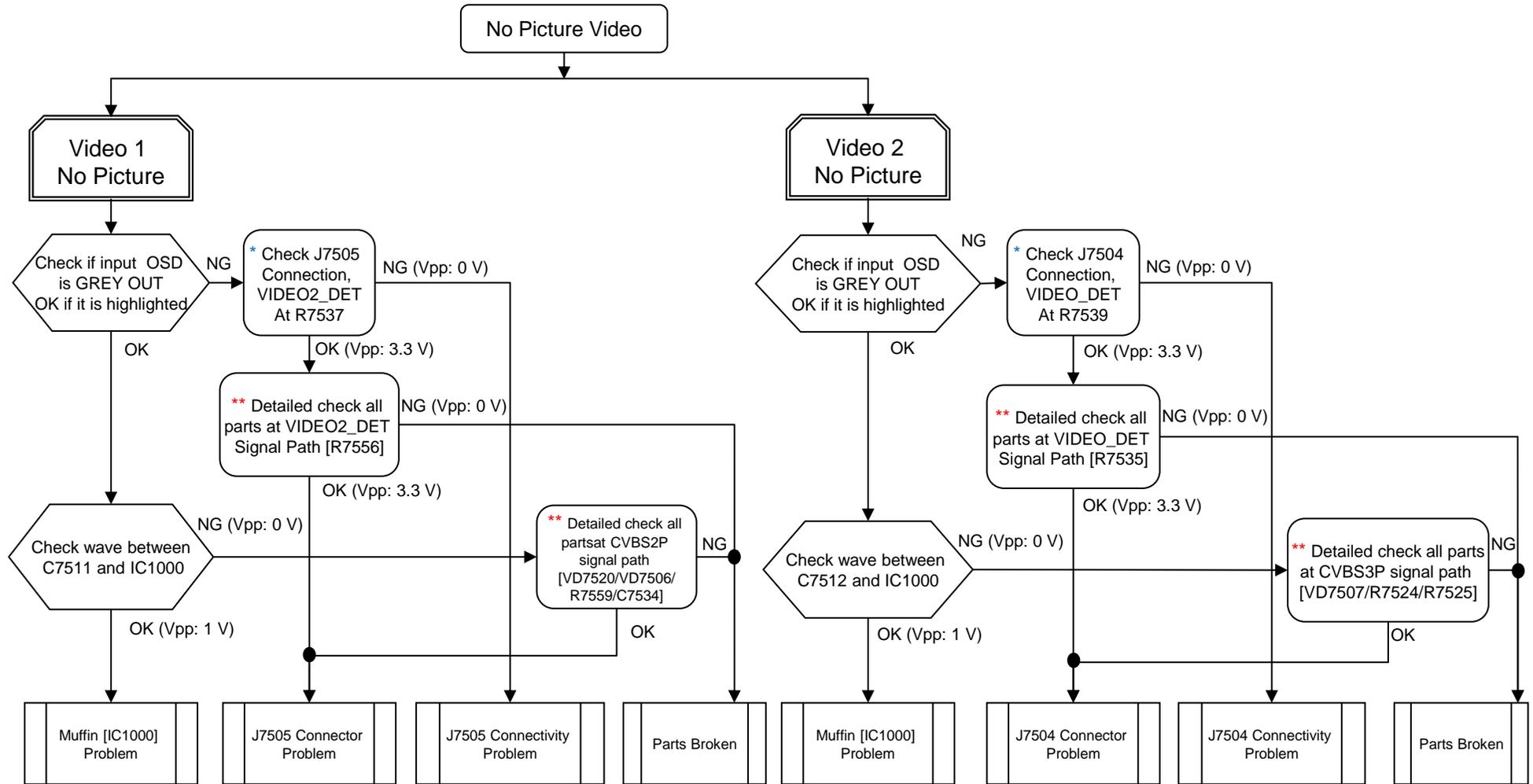
Size	B* Board	G* Board	H* Board
50"	BMX	Not applicable	HSC3
55"	BMX	Not applicable	HSC3

3-5. NO PICTURE



Size	B* Board	G* Board	H* Board
50"	BMX	Not applicable	HSC3
55"	BMX	Not applicable	HSC3

3-5-1. No Picture (BMX) (a)

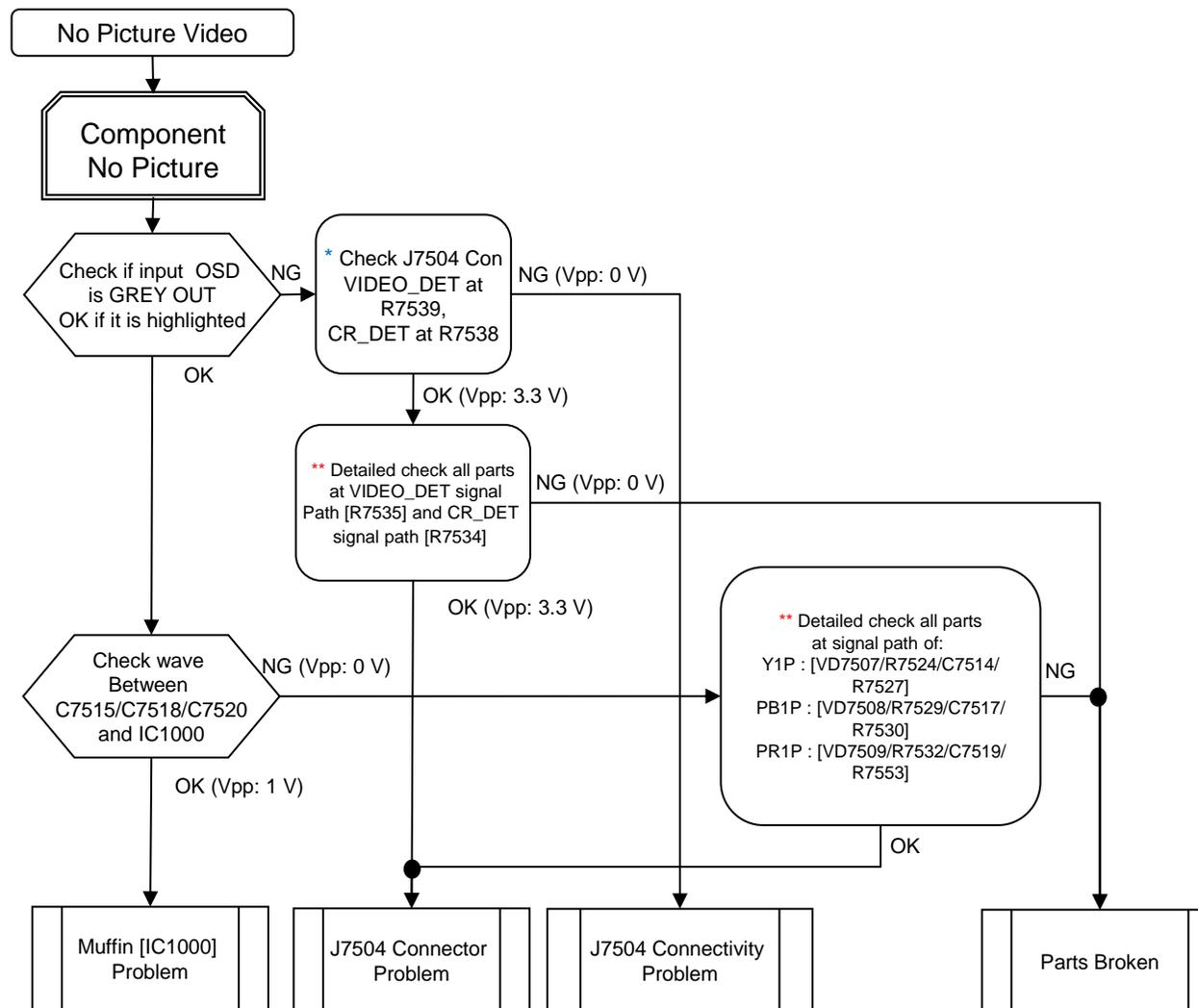


[All voltage measurement using Oscilloscope]

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

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

3-5-2. No Picture (BMX) (b)

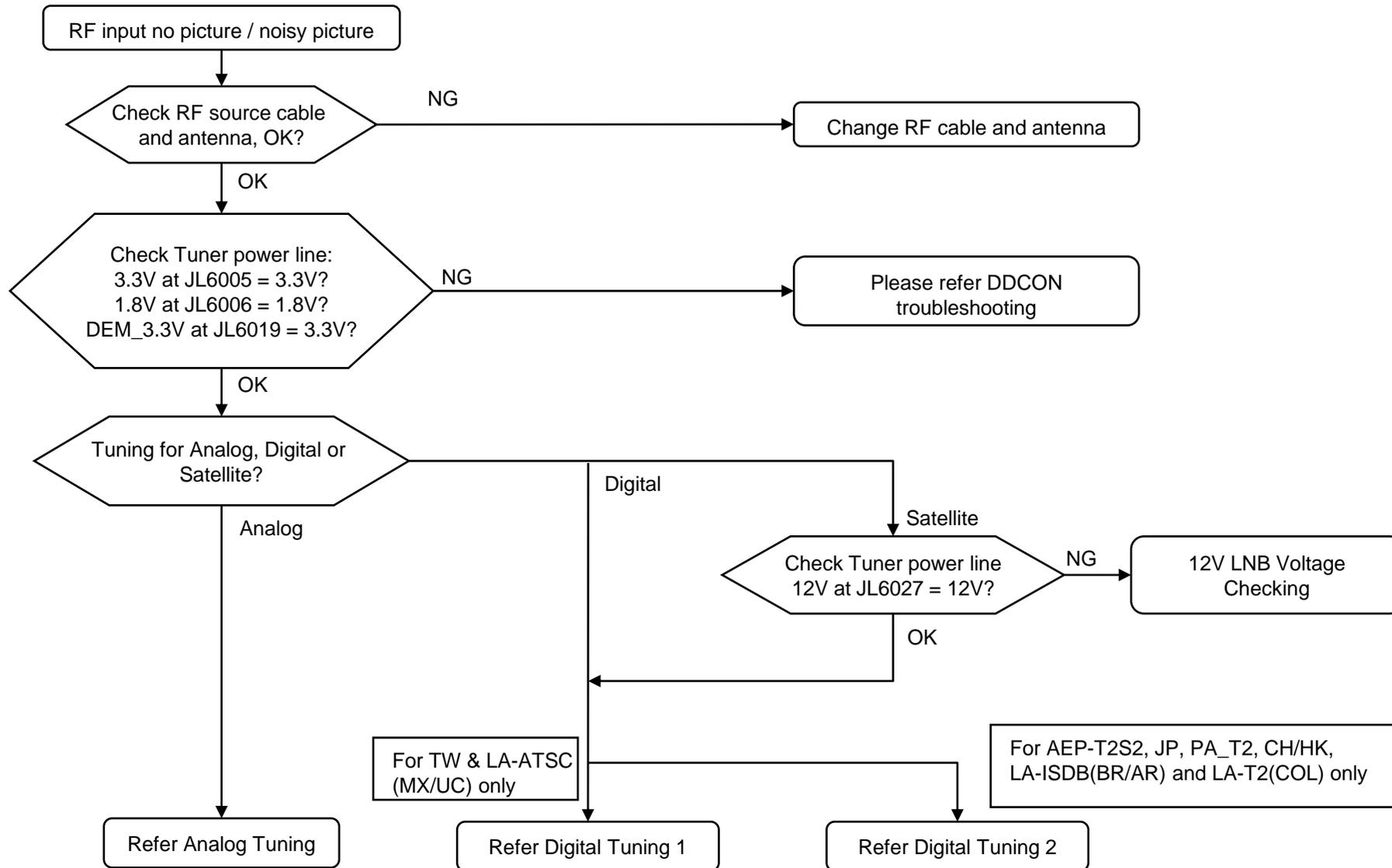


[All voltage measurement using Oscilloscope]

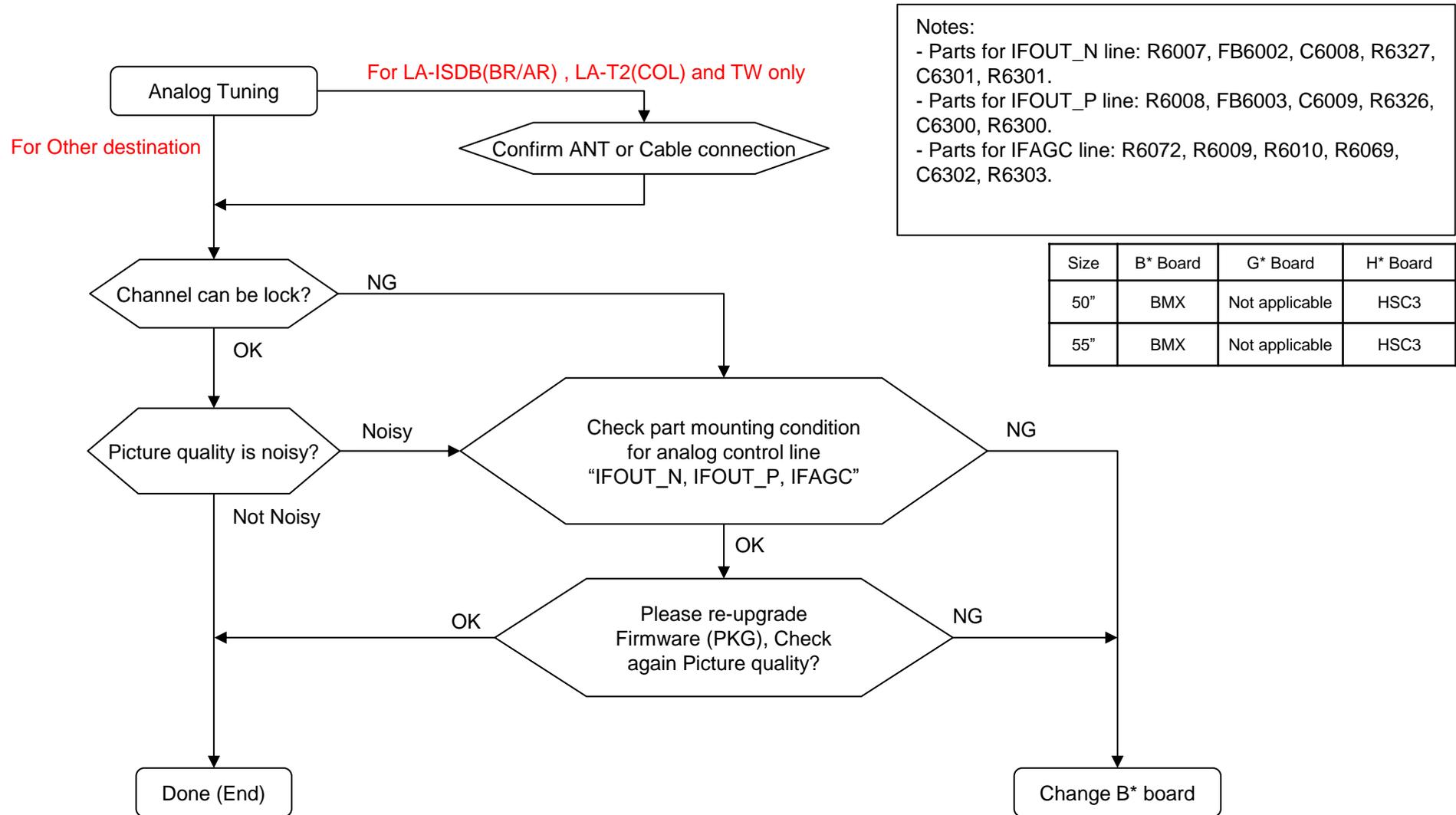
* → OK Condition : No solder splash can be seen
→ NG Condition : Solder splash can be seen

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

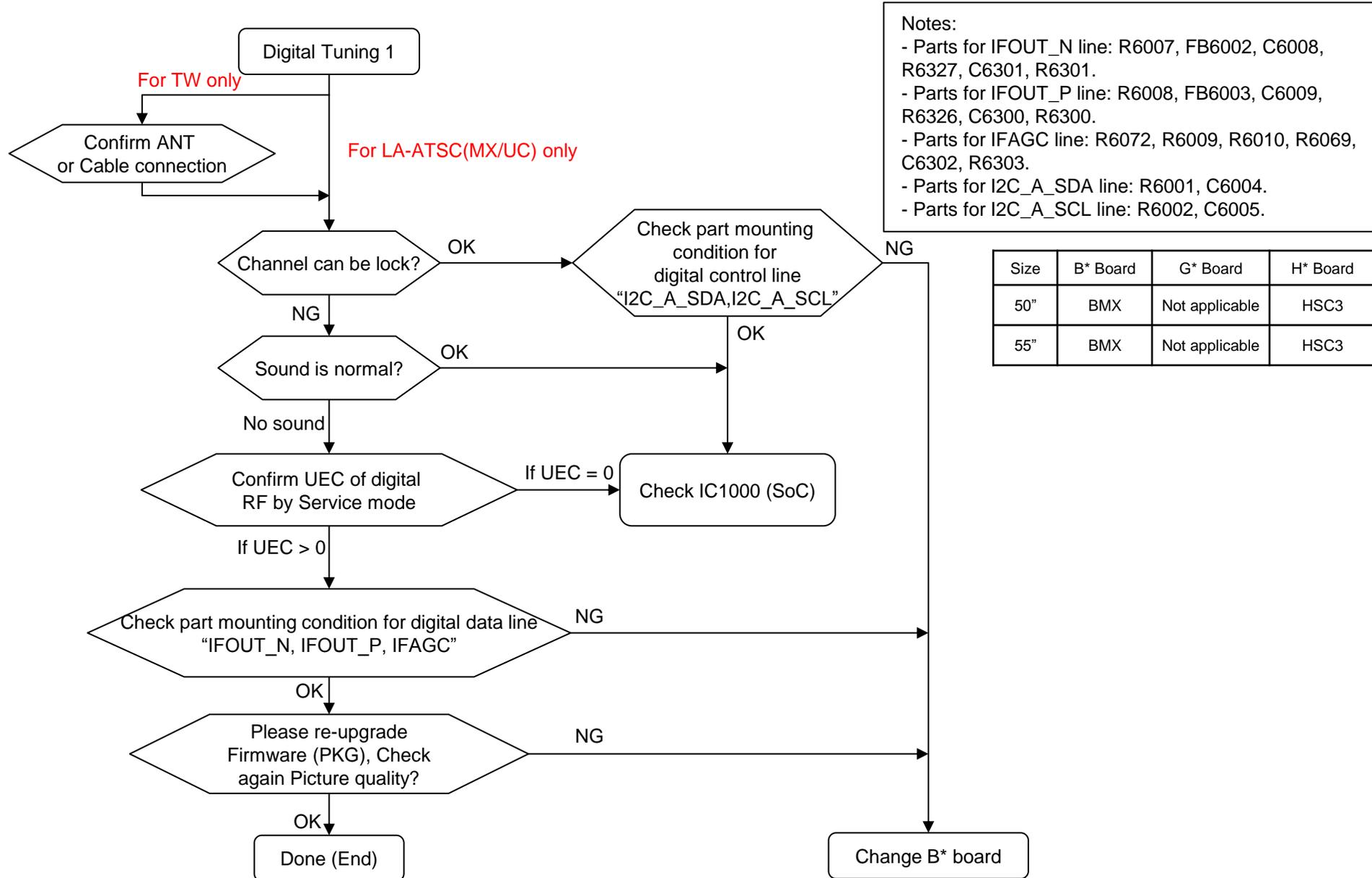
3-5-3. NO PICTURE: @ TUNER



3-5-4. FOR ANALOG TUNING



3-5-5.FOR DIGITAL TUNING 1

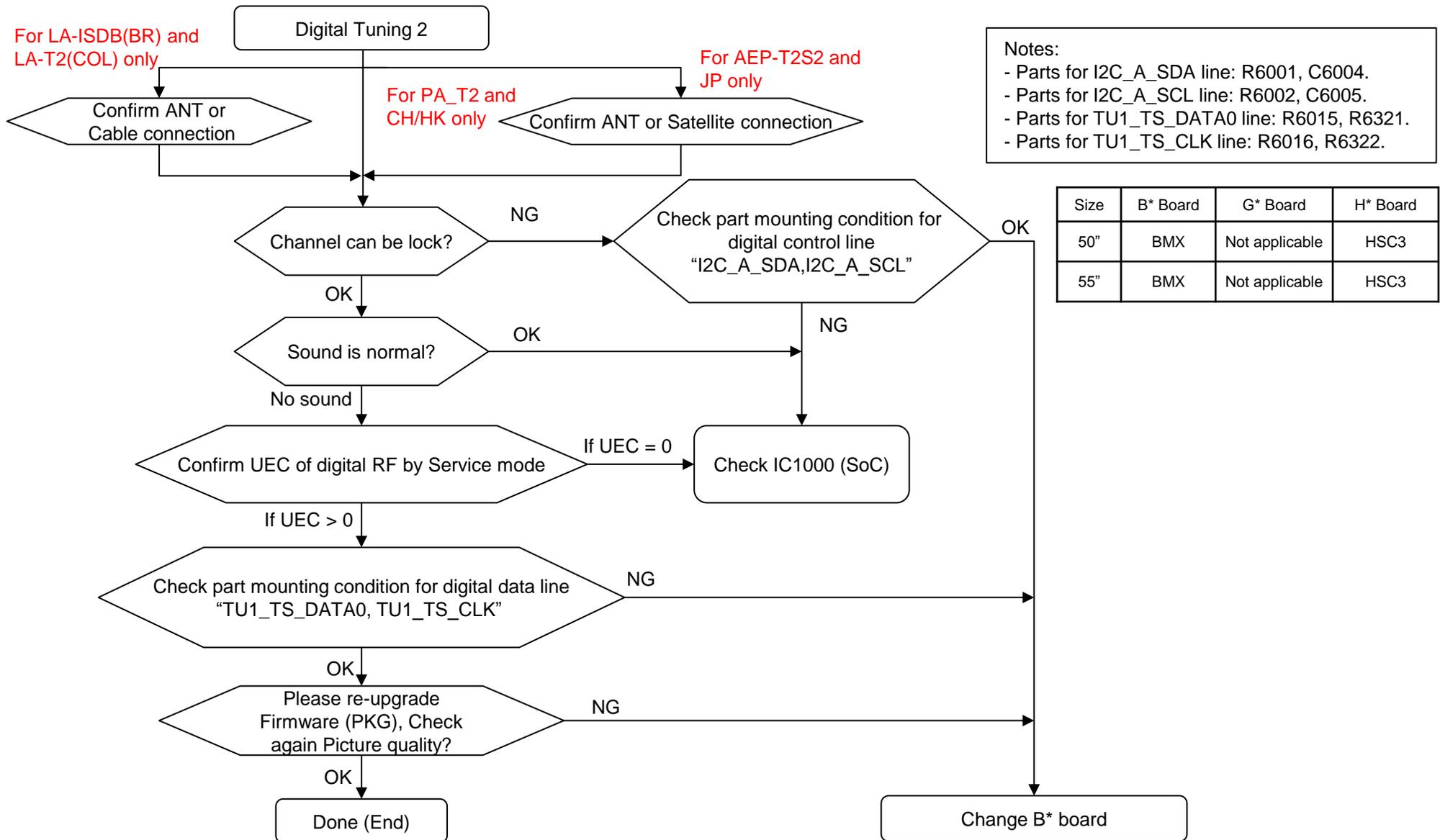


Notes:

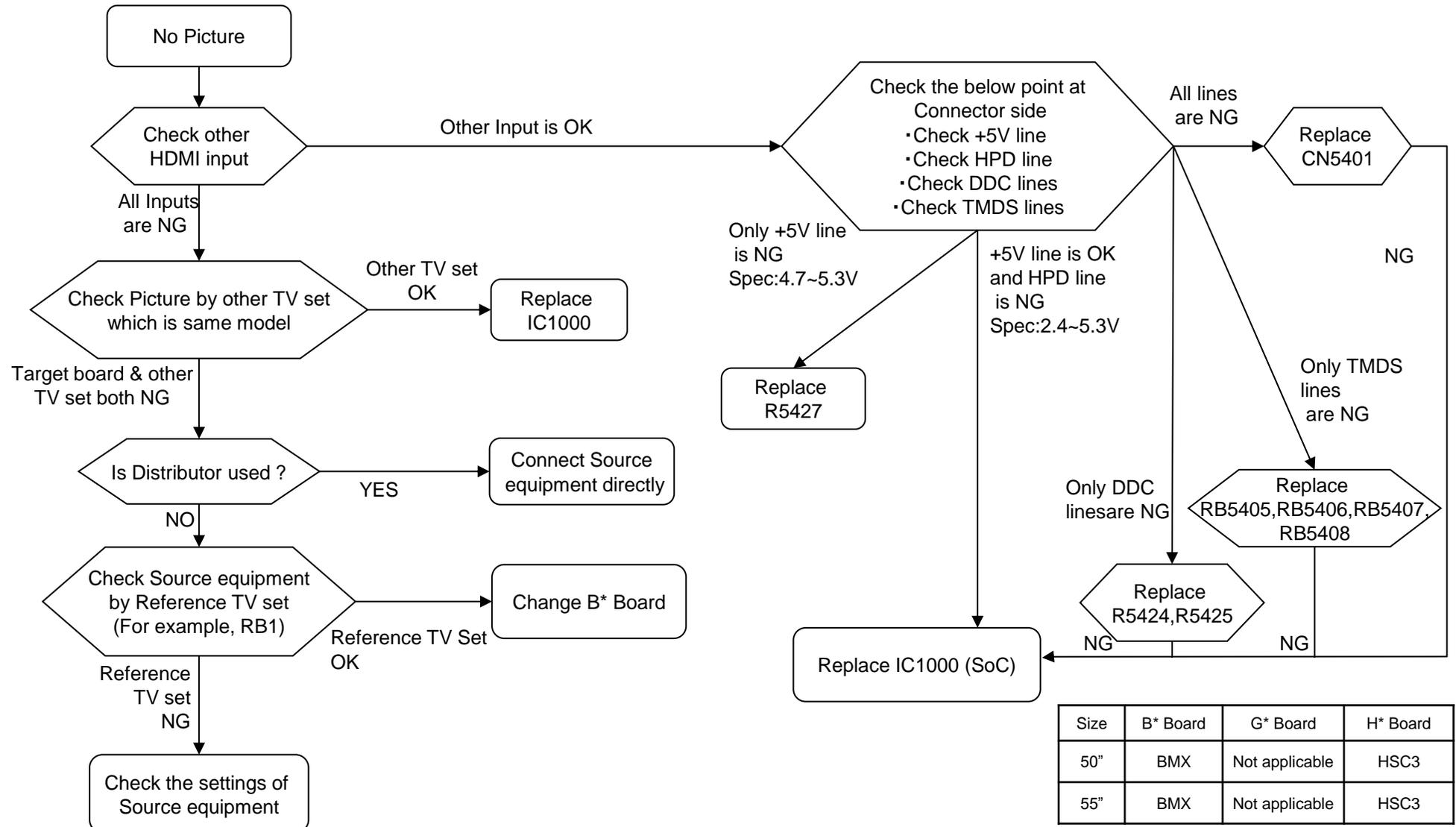
- Parts for IFOUT_N line: R6007, FB6002, C6008, R6327, C6301, R6301.
- Parts for IFOUT_P line: R6008, FB6003, C6009, R6326, C6300, R6300.
- Parts for IFAGC line: R6072, R6009, R6010, R6069, C6302, R6303.
- Parts for I2C_A_SDA line: R6001, C6004.
- Parts for I2C_A_SCL line: R6002, C6005.

Size	B* Board	G* Board	H* Board
50"	BMX	Not applicable	HSC3
55"	BMX	Not applicable	HSC3

3-5-6.FOR DIGITAL TUNING 2

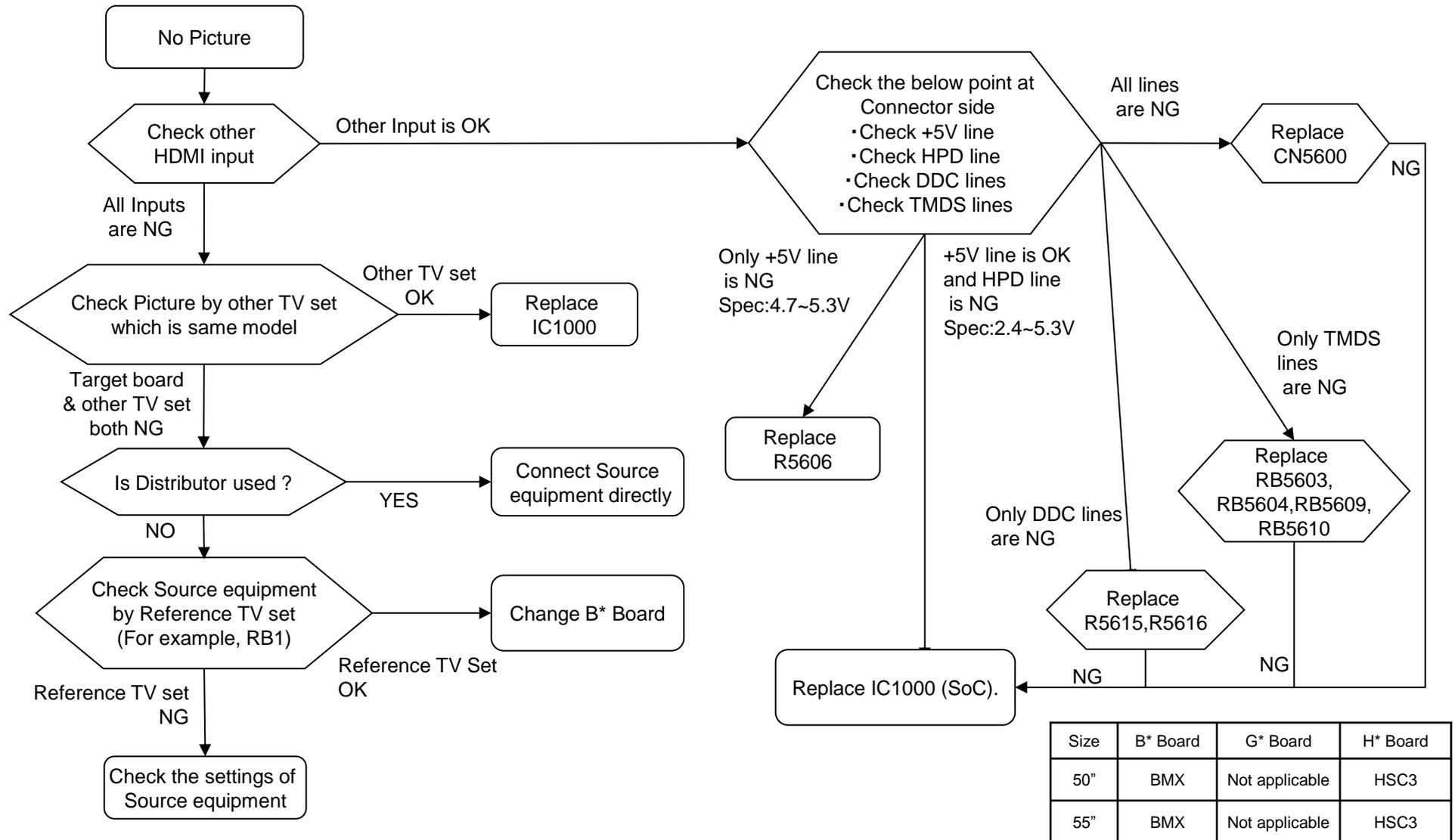


3-5-7. NO PICTURE: HDMI1



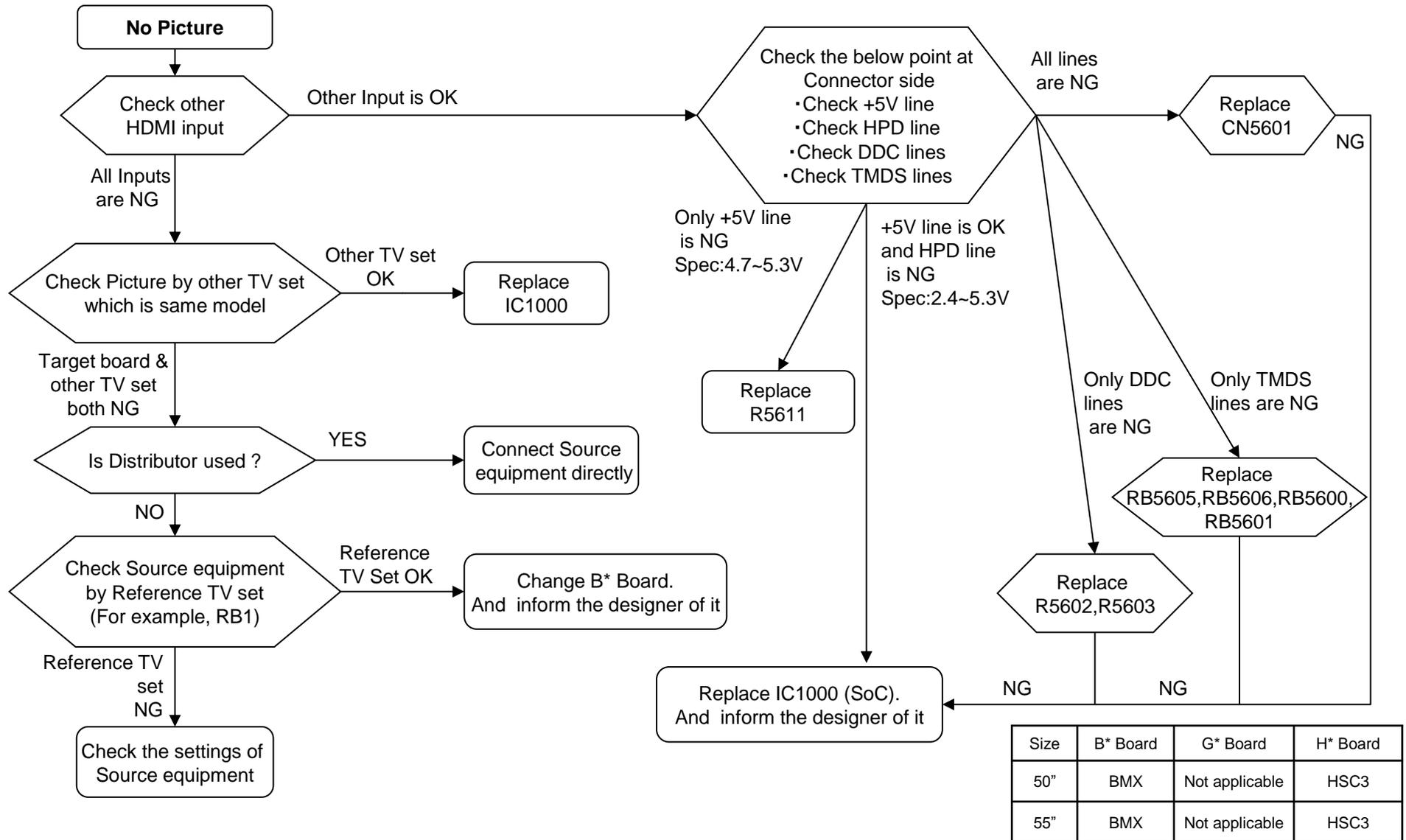
Size	B* Board	G* Board	H* Board
50"	BMX	Not applicable	HSC3
55"	BMX	Not applicable	HSC3

3-5-8. NO PICTURE: HDMI2



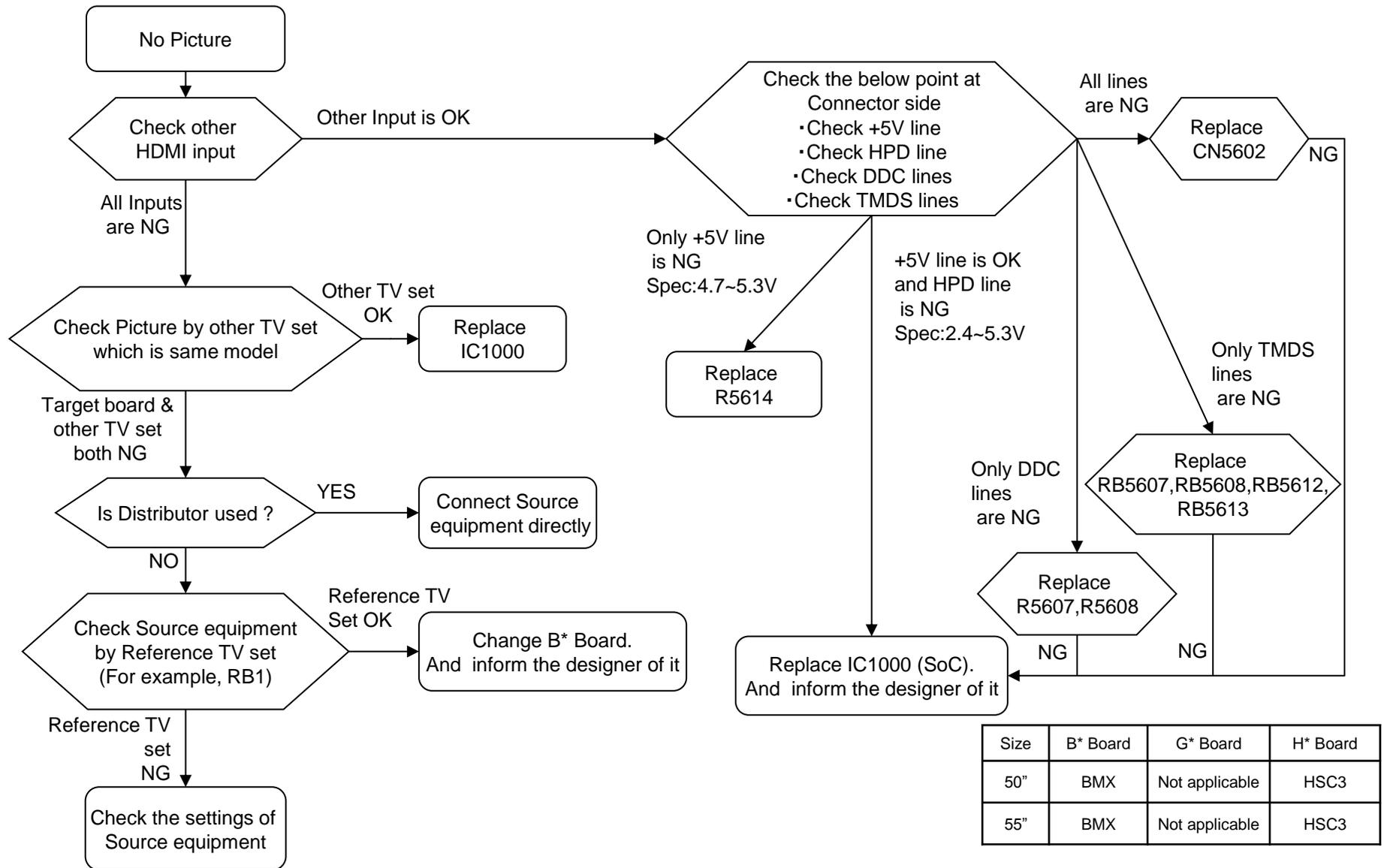
Size	B* Board	G* Board	H* Board
50"	BMX	Not applicable	HSC3
55"	BMX	Not applicable	HSC3

3-5-9. NO PICTURE: HDMI3



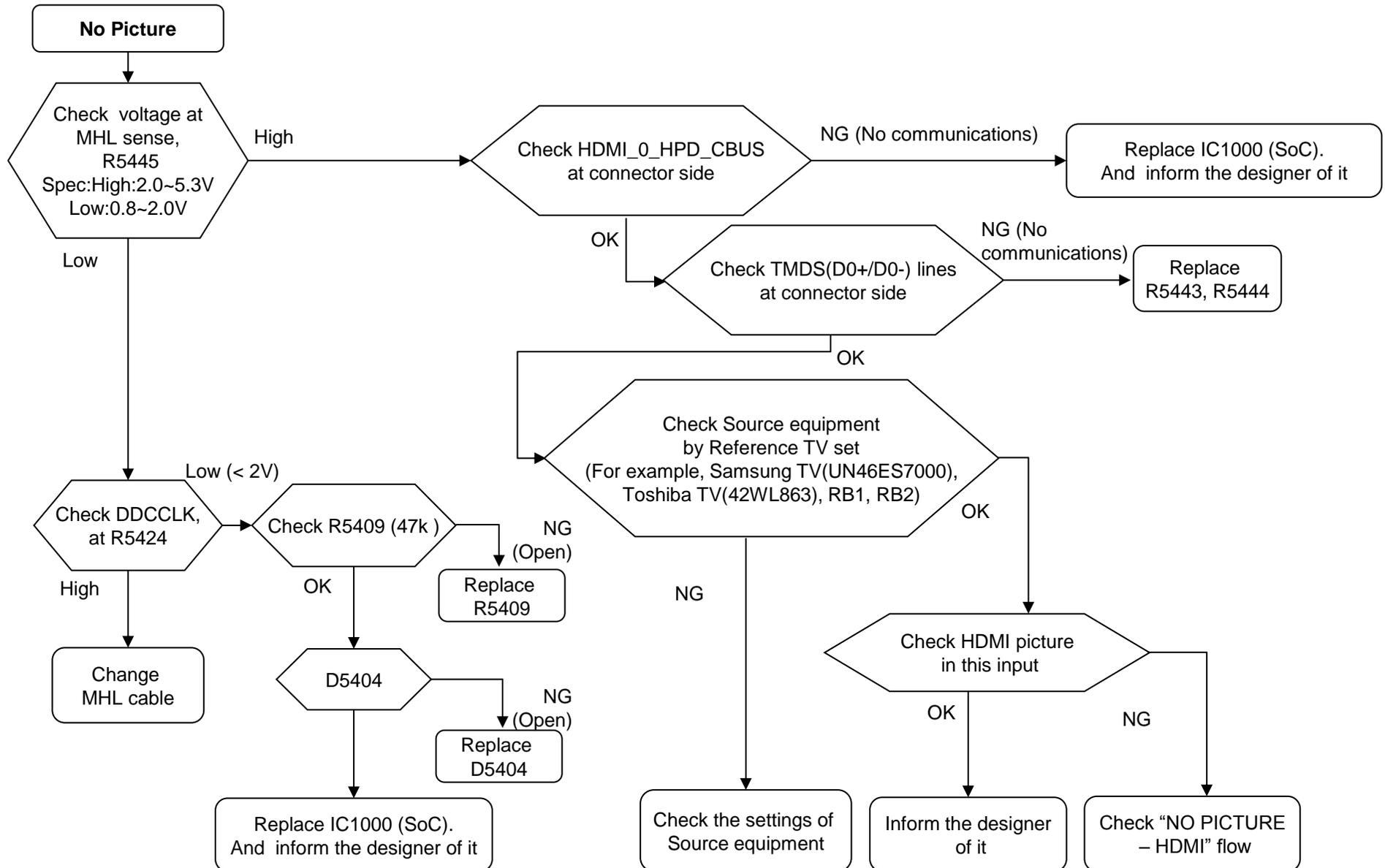
Size	B* Board	G* Board	H* Board
50"	BMX	Not applicable	HSC3
55"	BMX	Not applicable	HSC3

3-5-10. NO PICTURE: HDMI4

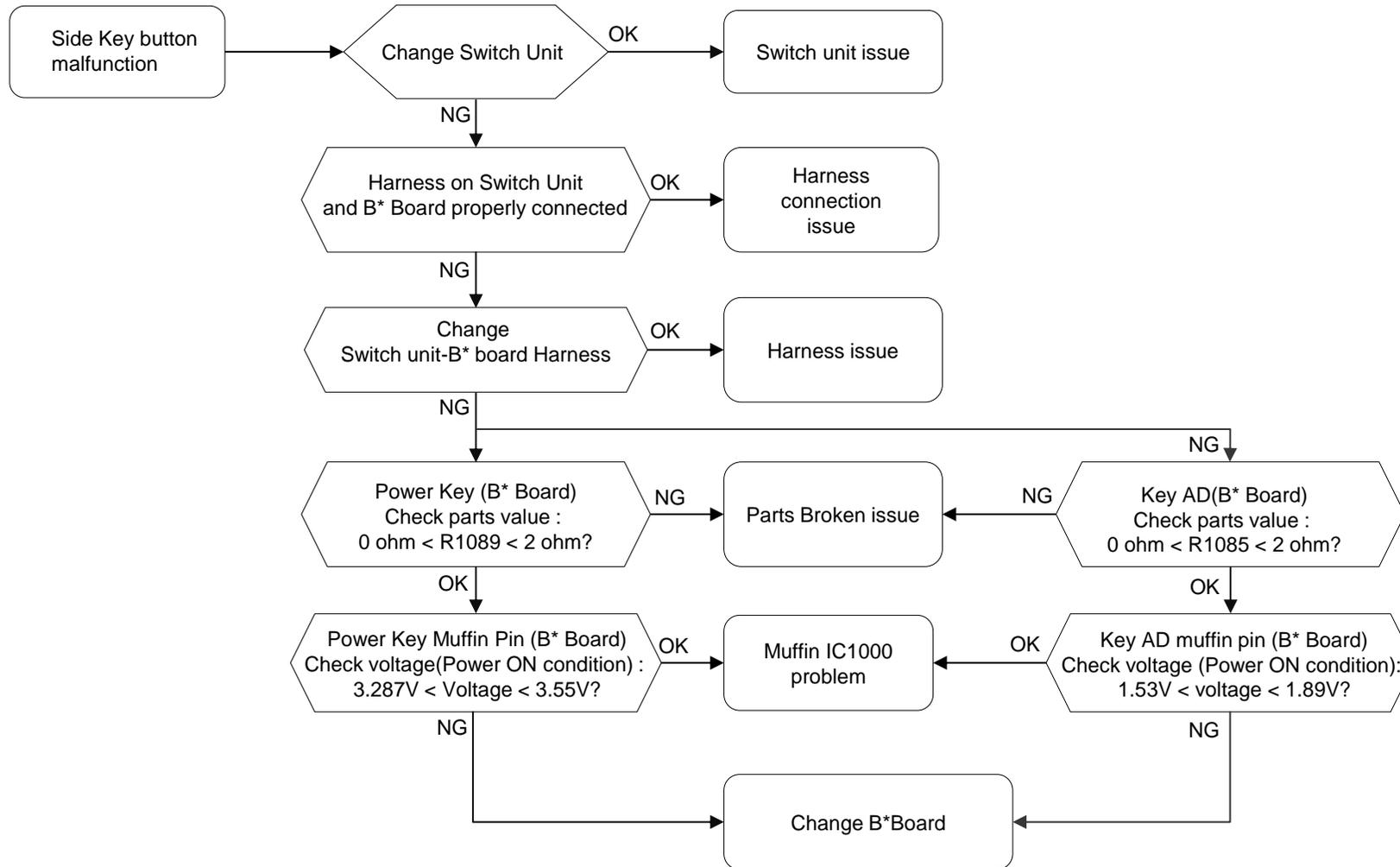


Size	B* Board	G* Board	H* Board
50"	BMX	Not applicable	HSC3
55"	BMX	Not applicable	HSC3

3-5-11. NO PICTURE: MHL (BMX)

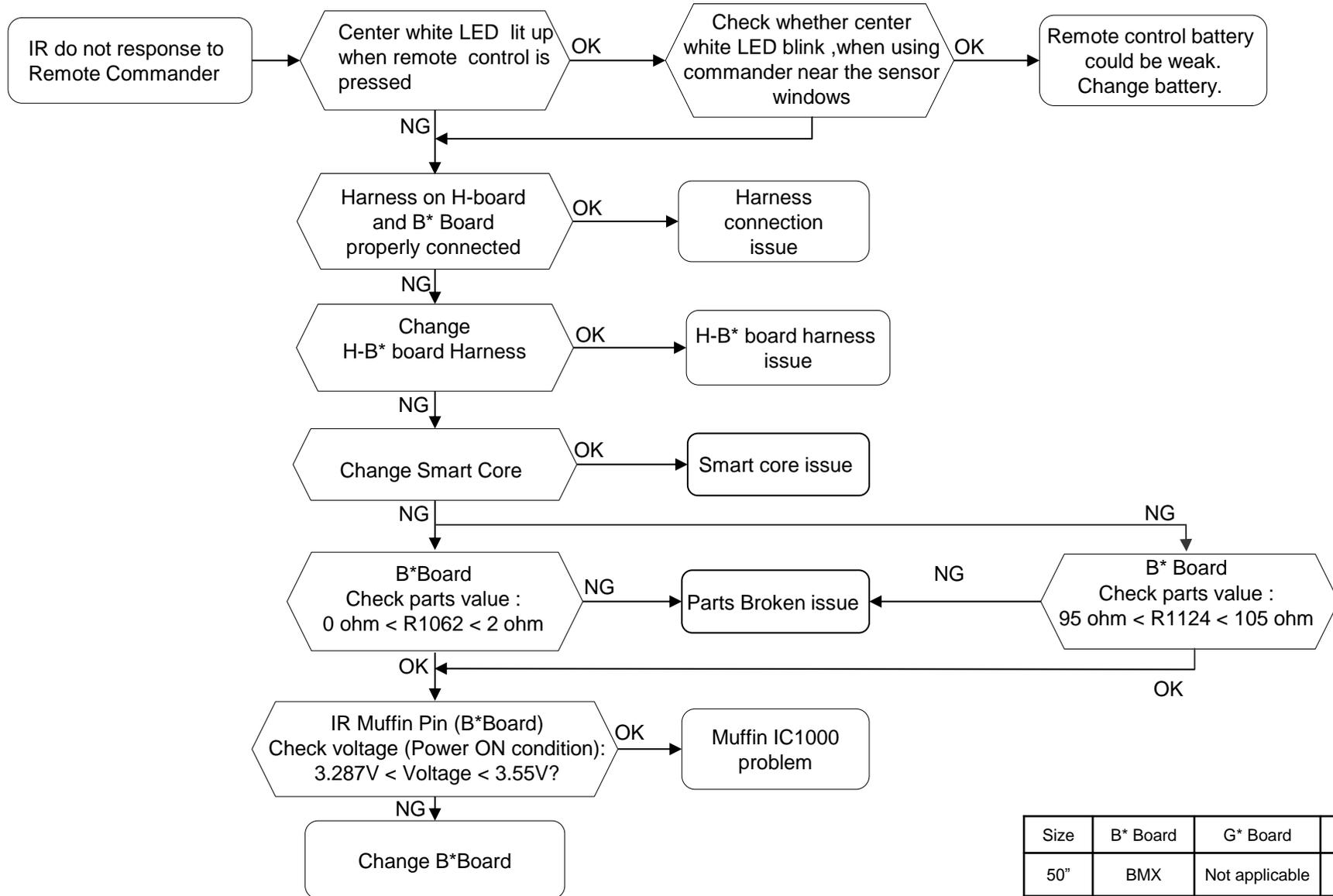


3-6. SIDE BUTTONS MALFUNCTION



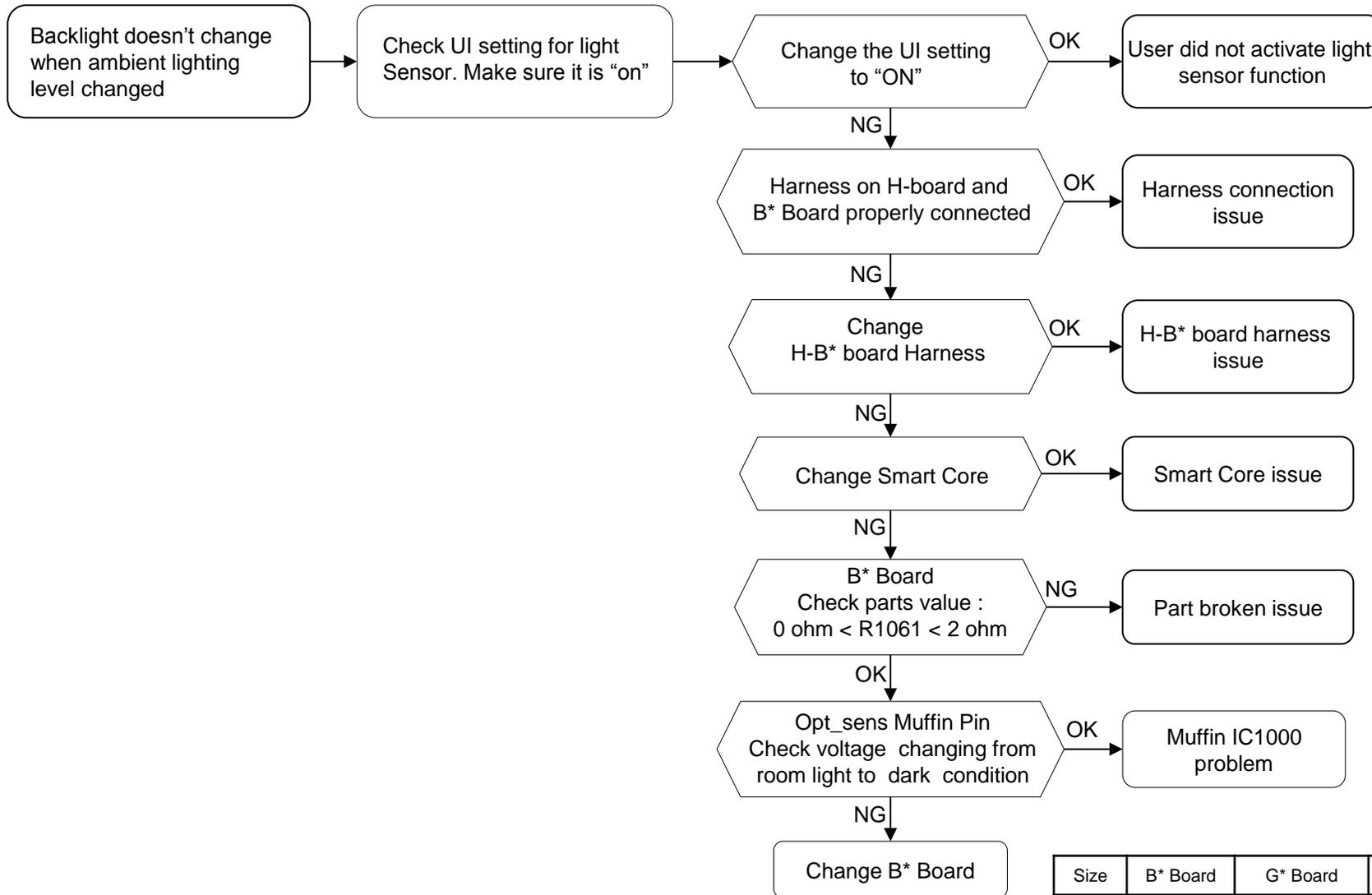
Size	B* Board	G* Board	H* Board
50"	BMX	Not applicable	HSC3
55"	BMX	Not applicable	HSC3

3-7. IR REMOTE COMMANDER MALFUNCTION



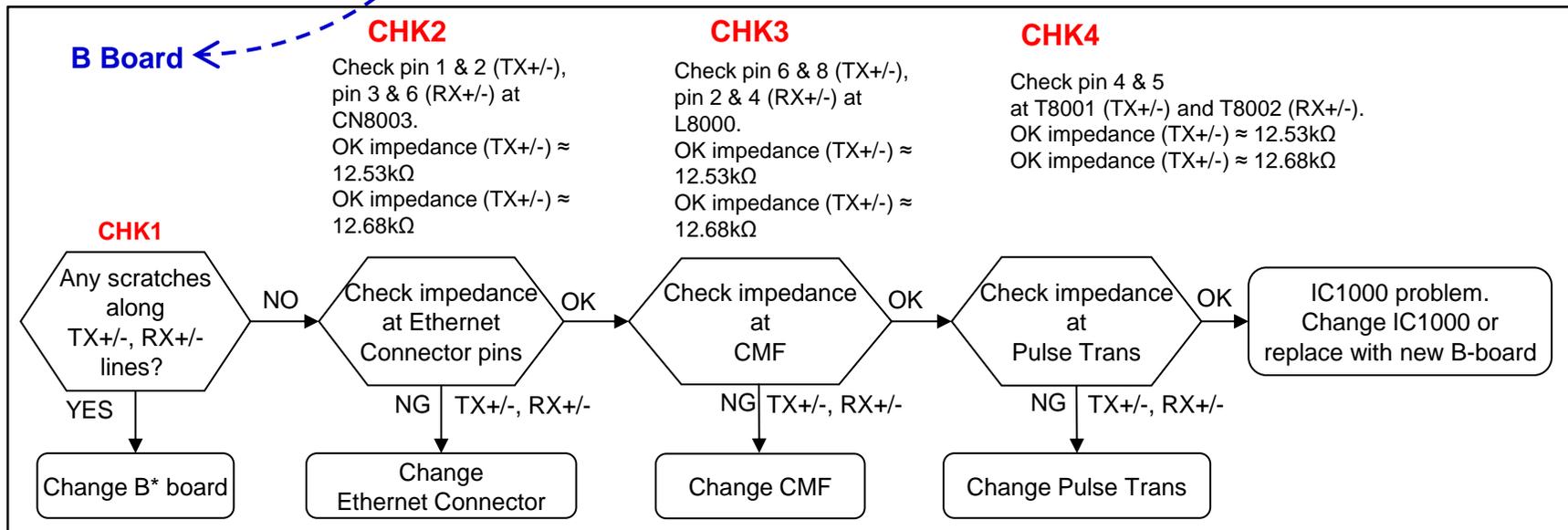
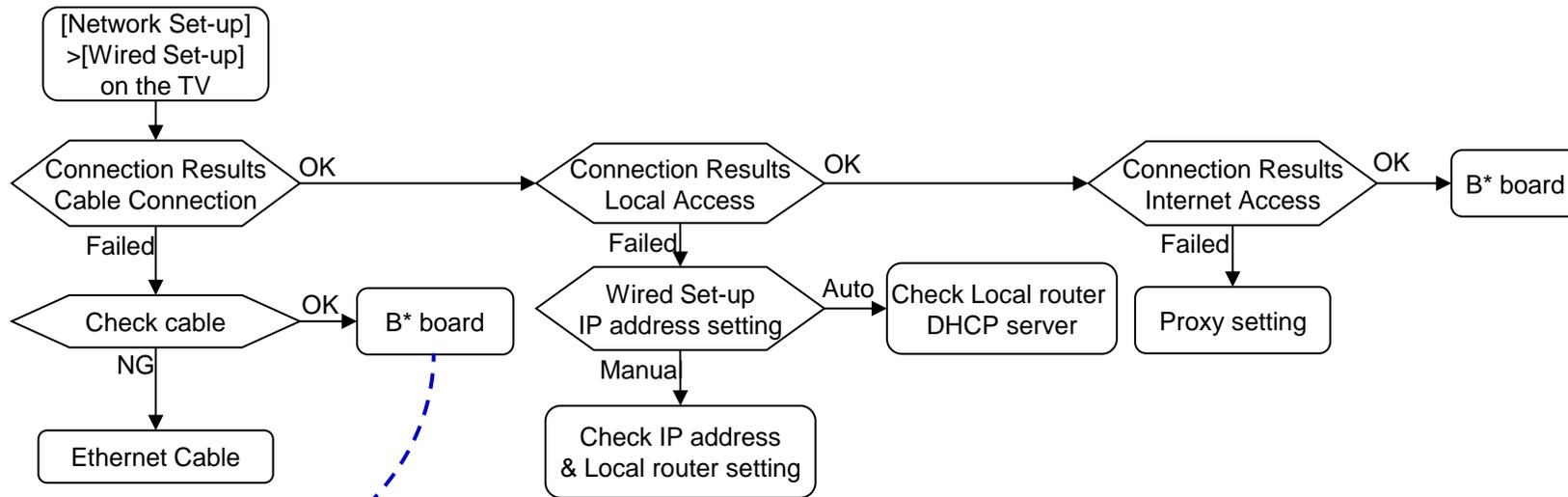
Size	B* Board	G* Board	H* Board
50"	BMX	Not applicable	HSC3
55"	BMX	Not applicable	HSC3

3-8. LIGHT SENSOR ERROR



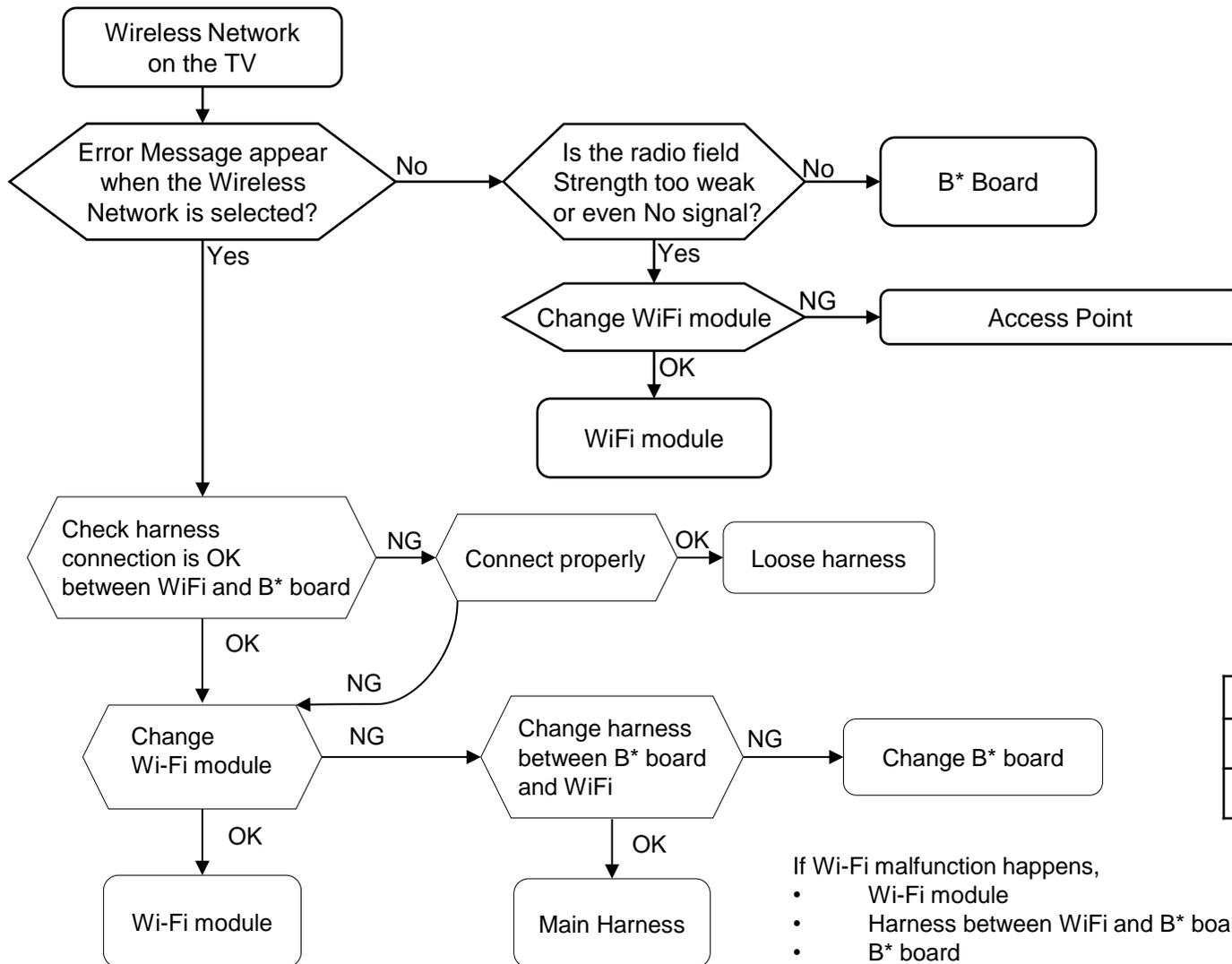
Size	B* Board	G* Board	H* Board
50"	BMX	Not applicable	HSC3
55"	BMX	Not applicable	HSC3

3-9. NETWORK MALFUNCTION(Ethernet (Wired))



3-10. WIRELESS NETWORK MALFUNCTION

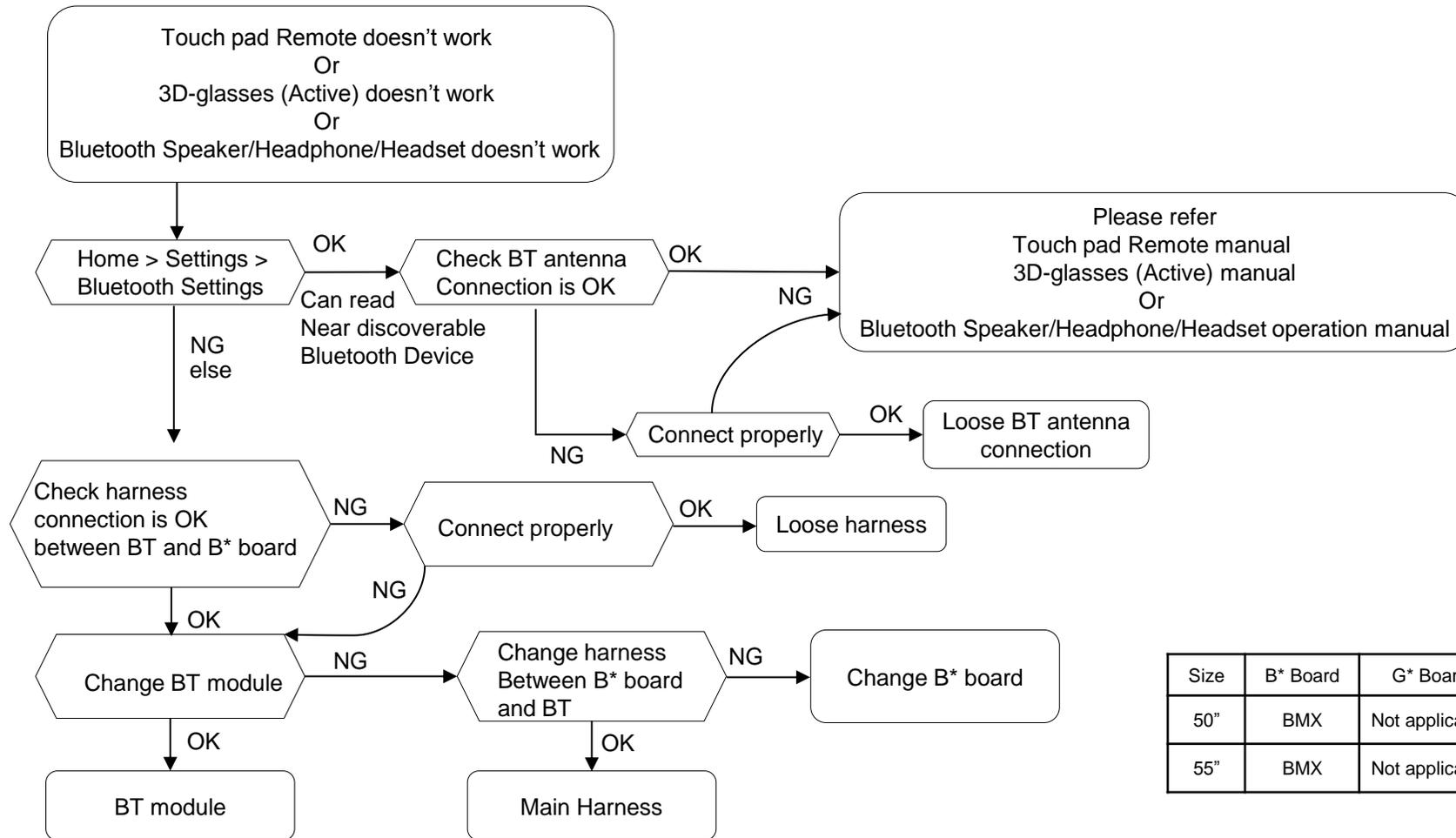
1) Internal Wireless Network malfunction



Size	B* Board	G* Board	H* Board
50"	BMX	Not applicable	HSC3
55"	BMX	Not applicable	HSC3

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

3-11. BLUETOOTH MALFUNCTION

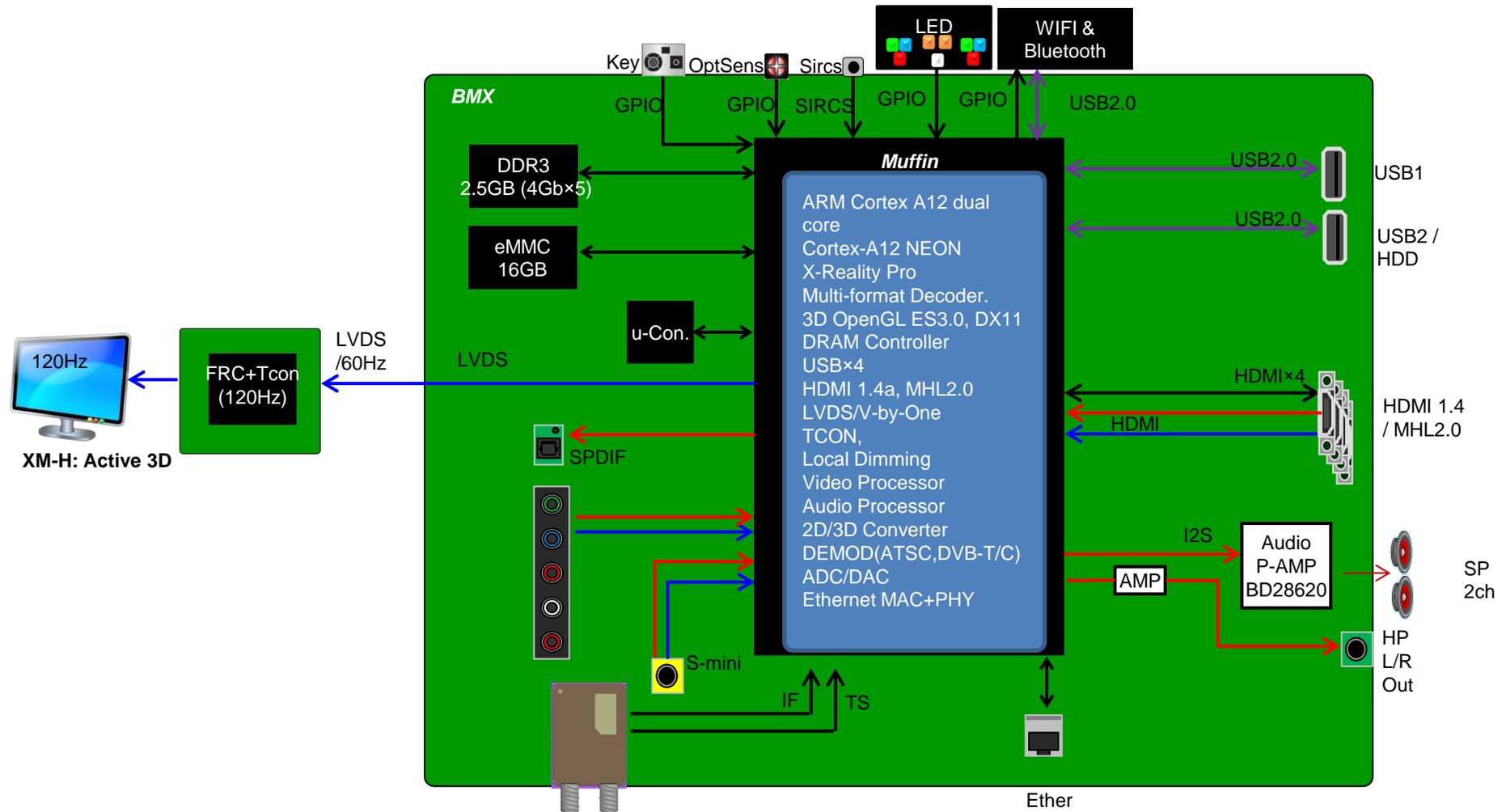


Size	B* Board	G* Board	H* Board
50"	BMX	Not applicable	HSC3
55"	BMX	Not applicable	HSC3

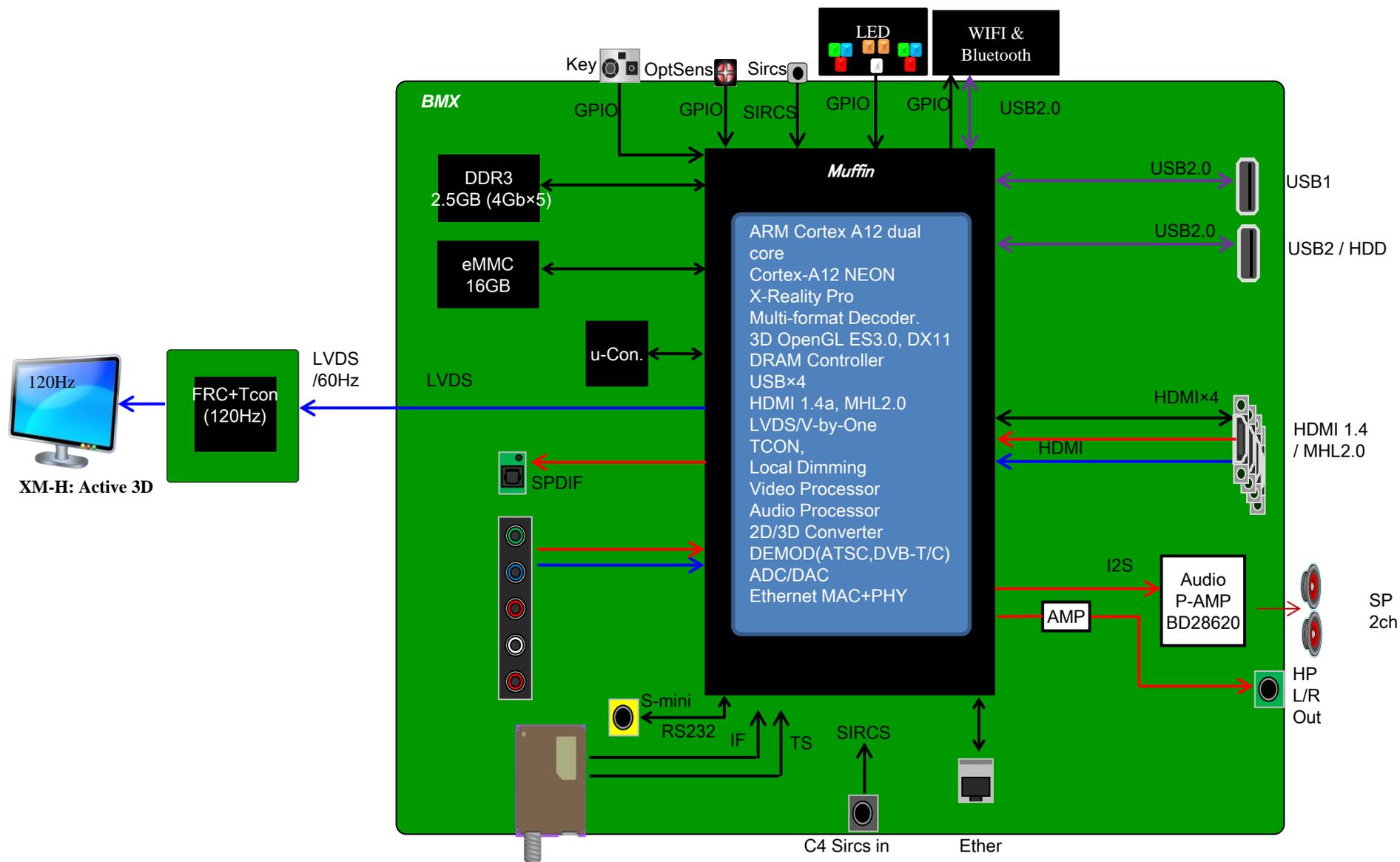
SEC 4. DIAGRAMS

4-1. BLOCK DIAGRAM

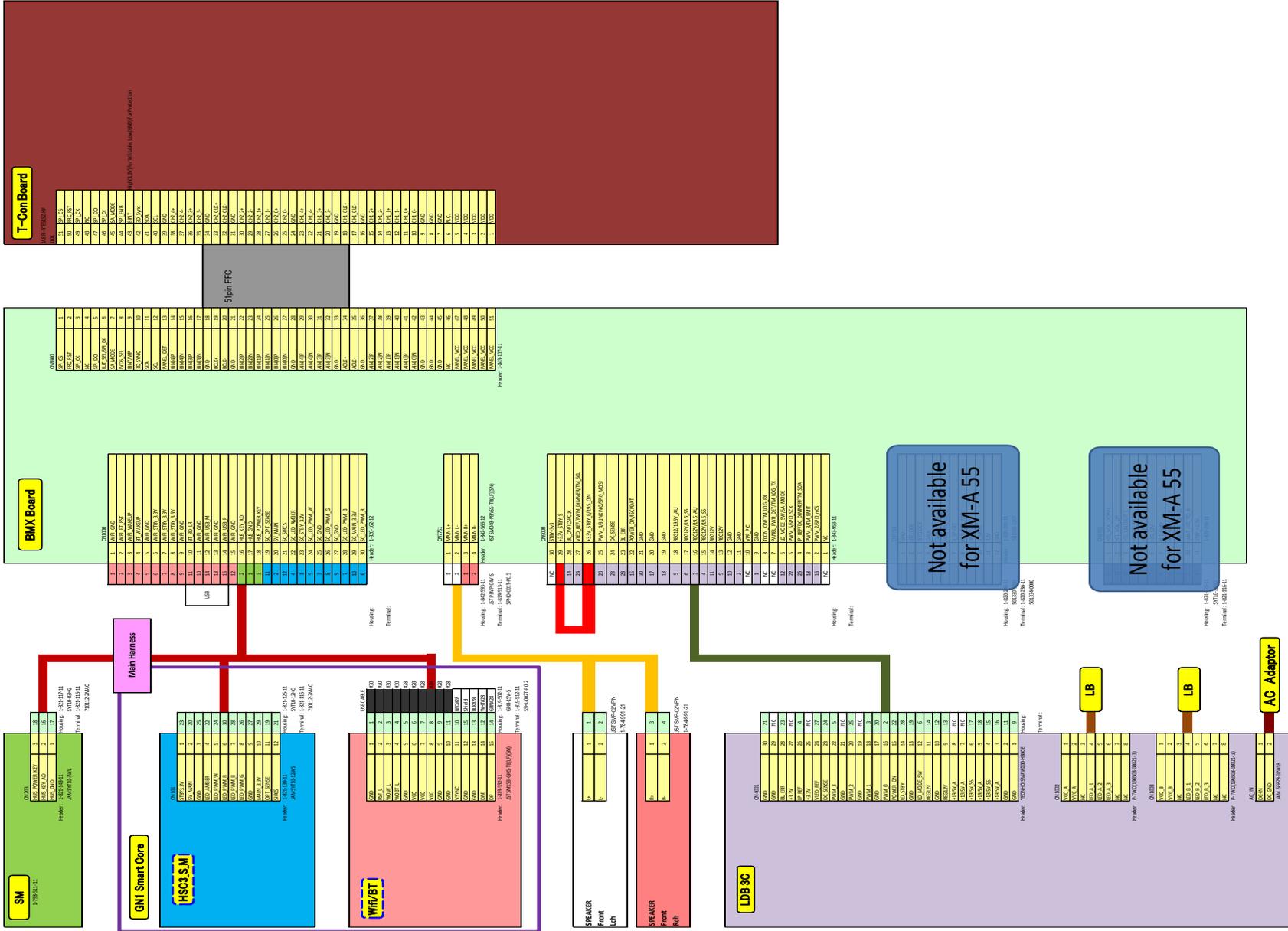
4-1-1. XM-A model (BR,AR,LA_ISDB)



4-1-2. XM-A model (UC)

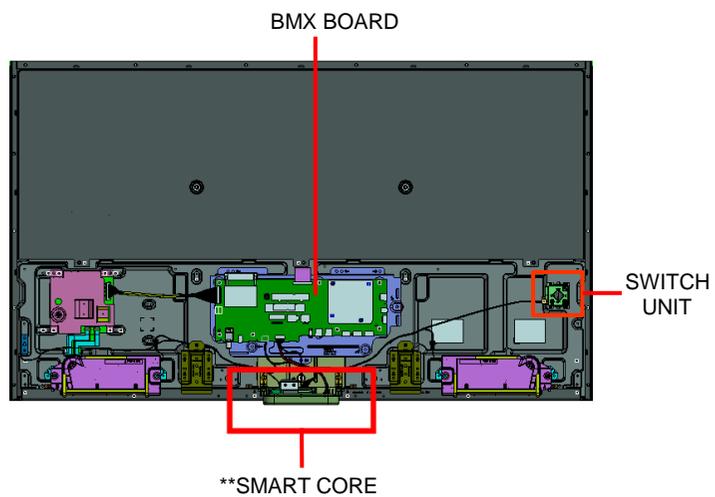


4-2-2. 55 Inch Model

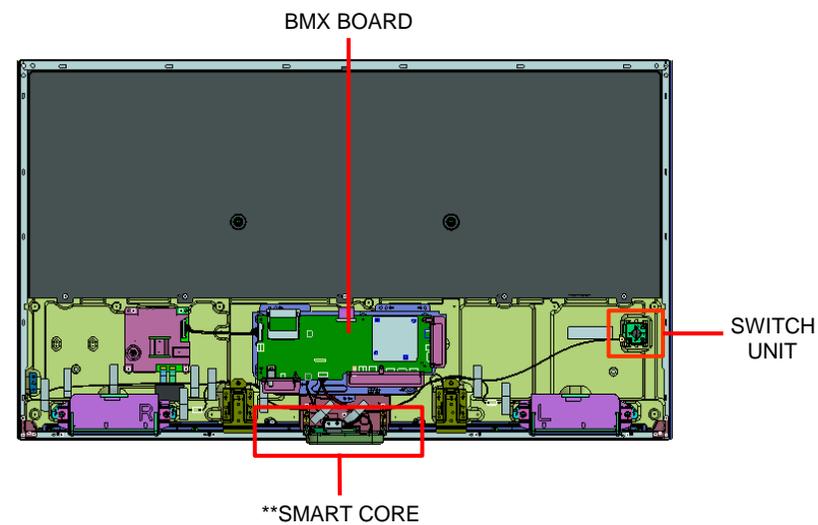


4-3. CIRCUIT BOARDS LOCATION

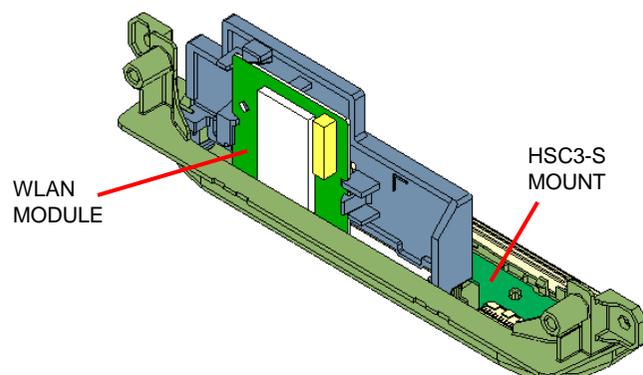
4-3-1. KDL-50W800C/805C/807C/809C



4-3-2. KDL-55W800C/805C



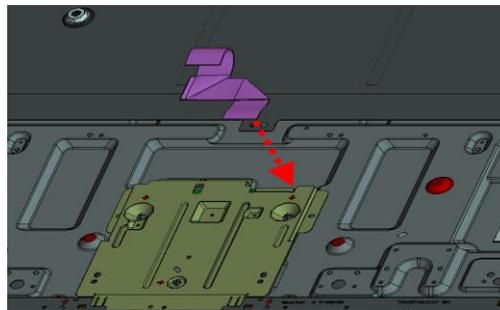
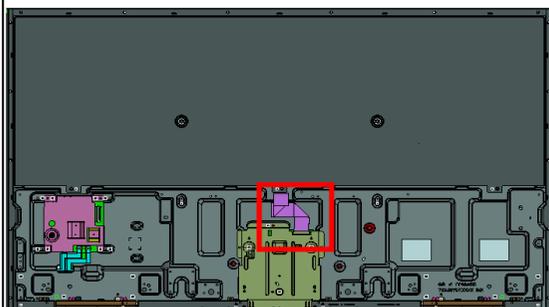
< ** SMART CORE BLOCK >



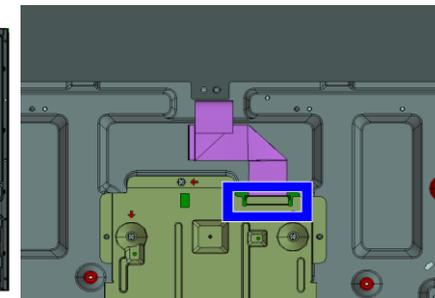
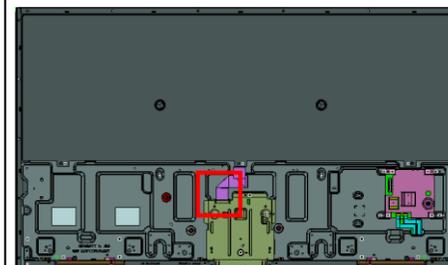
4-4. Wire Dressing

4-4-1. KDL-50W800C/805C/807C/809C

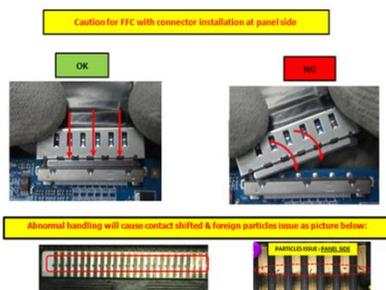
Flexible Flat Cable 51P



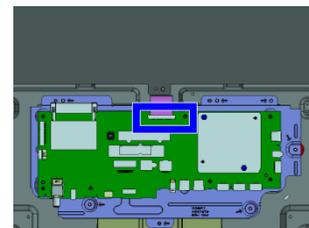
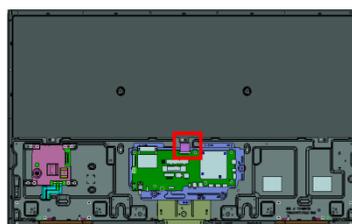
Insert Connector



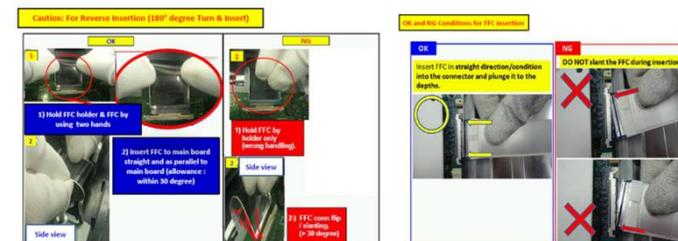
Connector Information



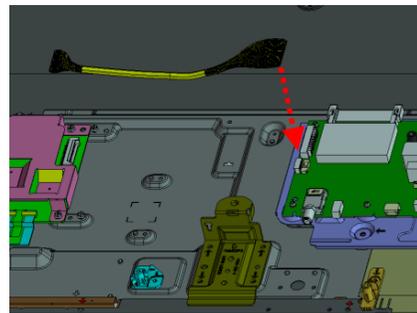
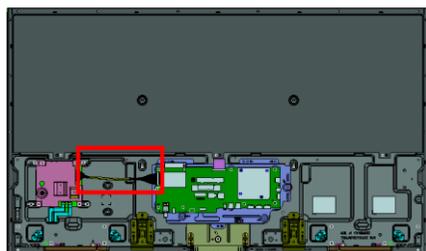
Insert Connector



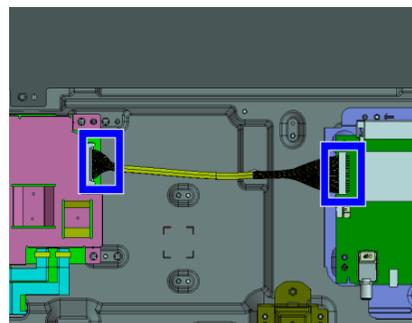
Connector Information



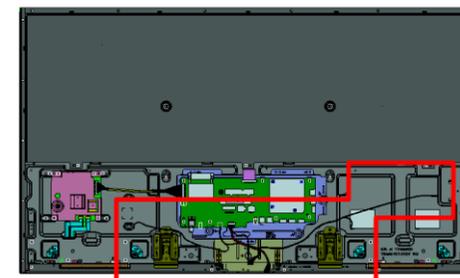
Connector Assy 30P



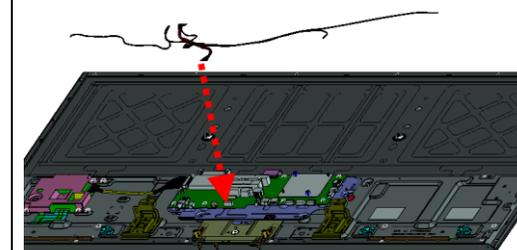
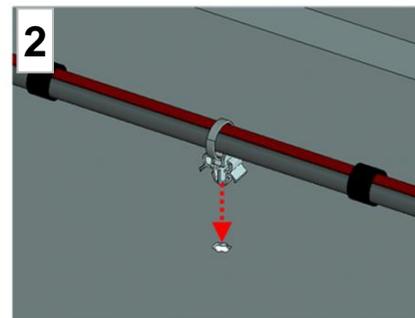
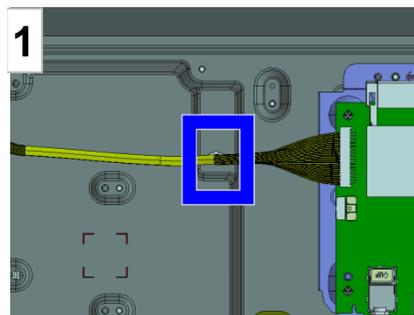
Insert Connector



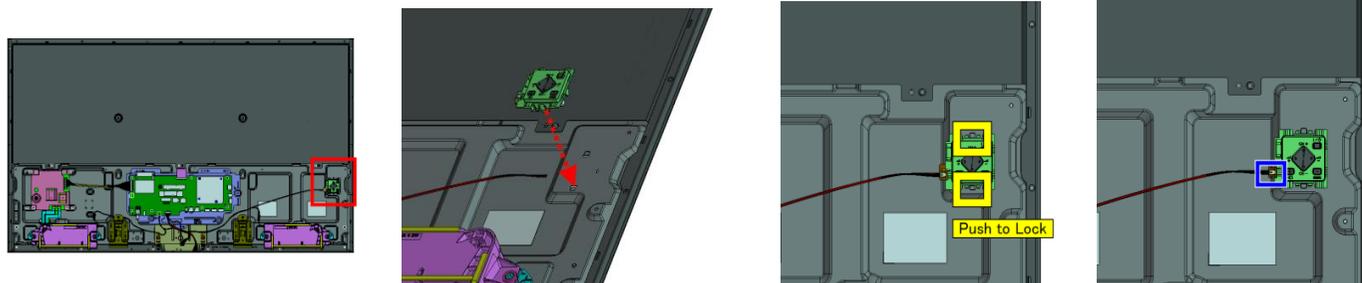
Harness Assy



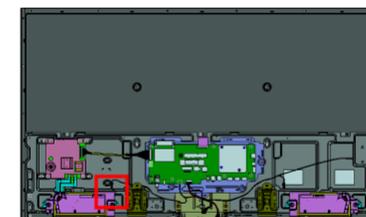
Wire Dressing



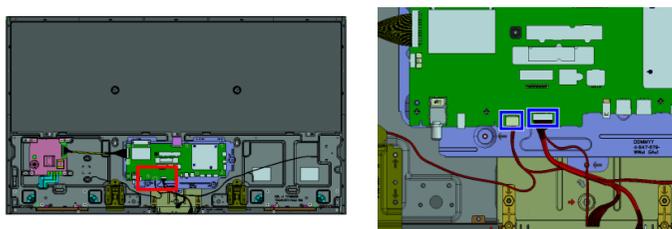
Switch Unit (SM-GMWW)



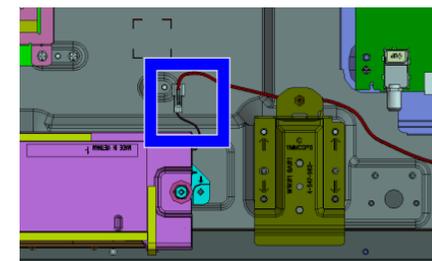
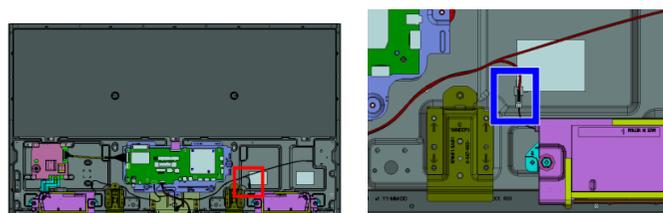
Insert Connector



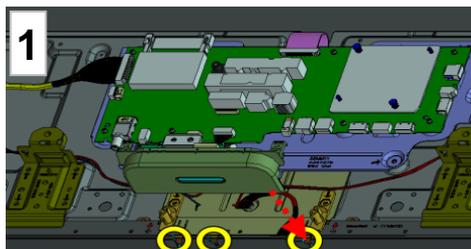
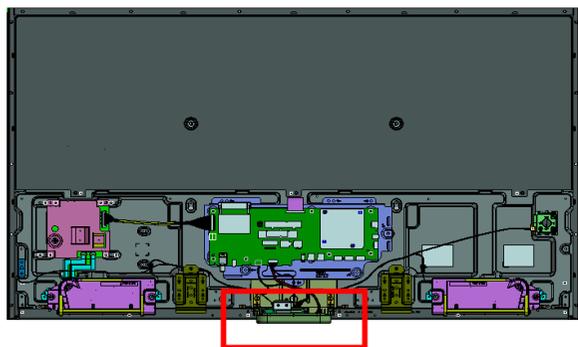
Insert Connector



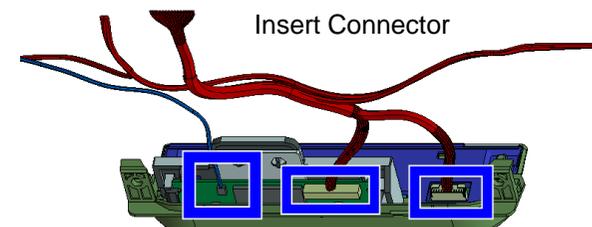
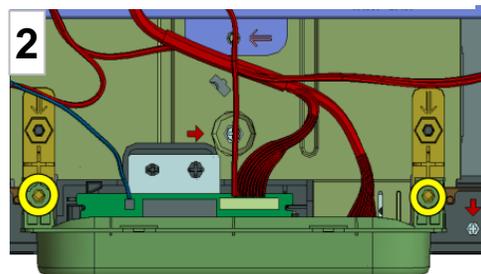
Insert Connector



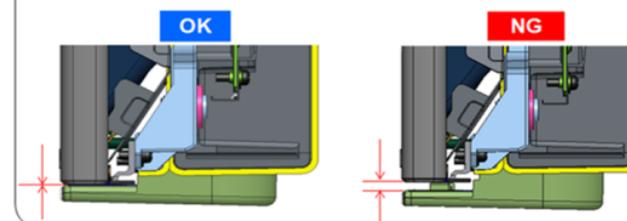
Smart Core Assy



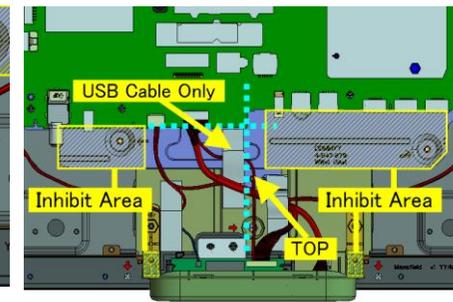
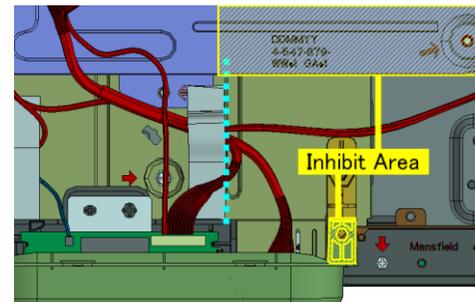
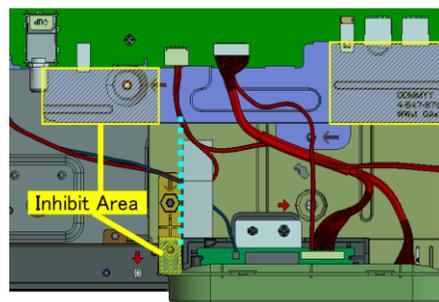
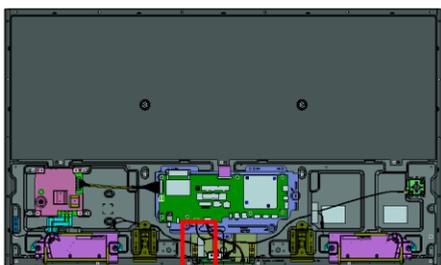
1
Dont Scratch OP with Bezel during install

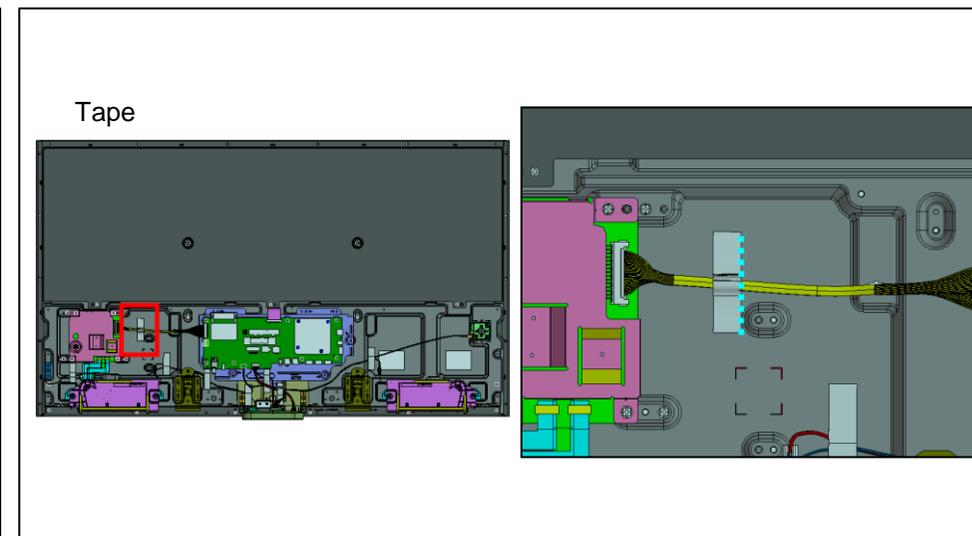
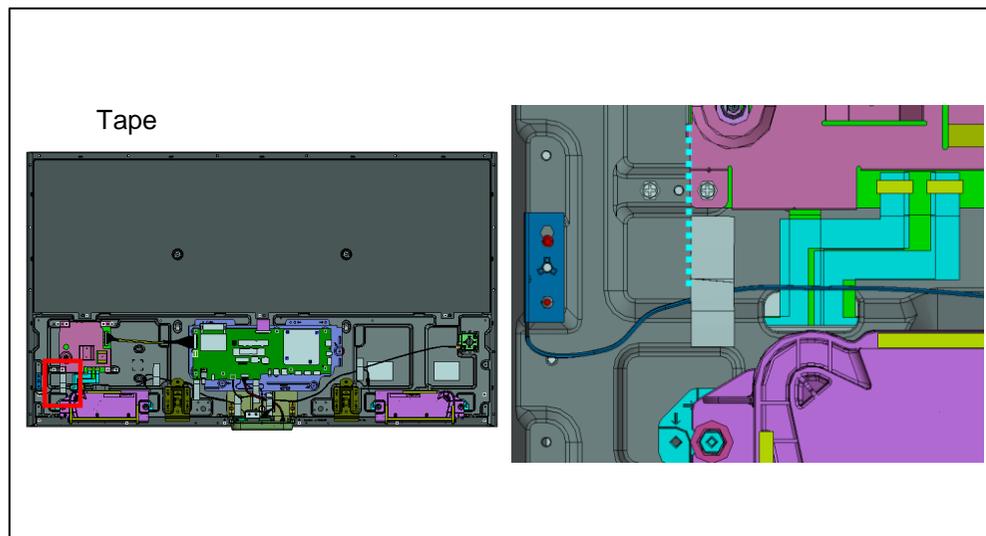
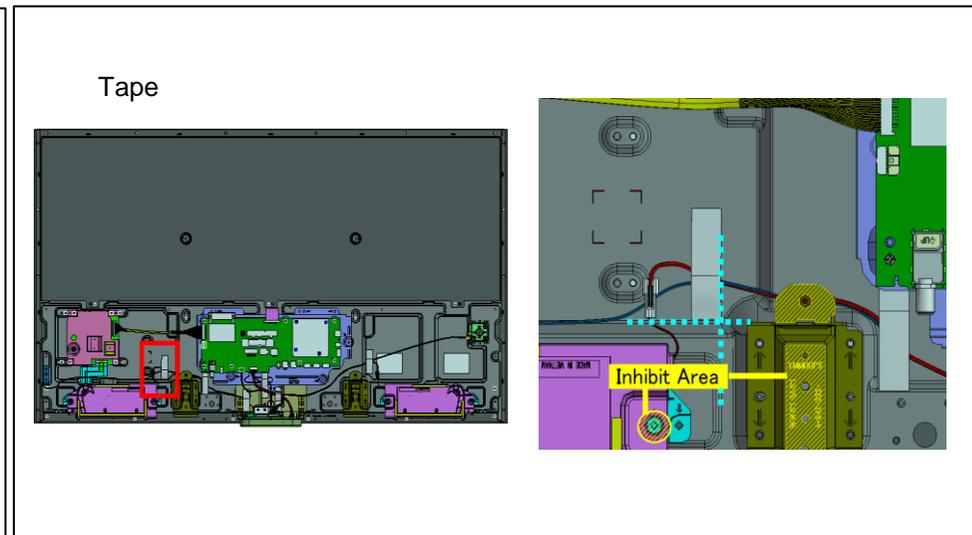
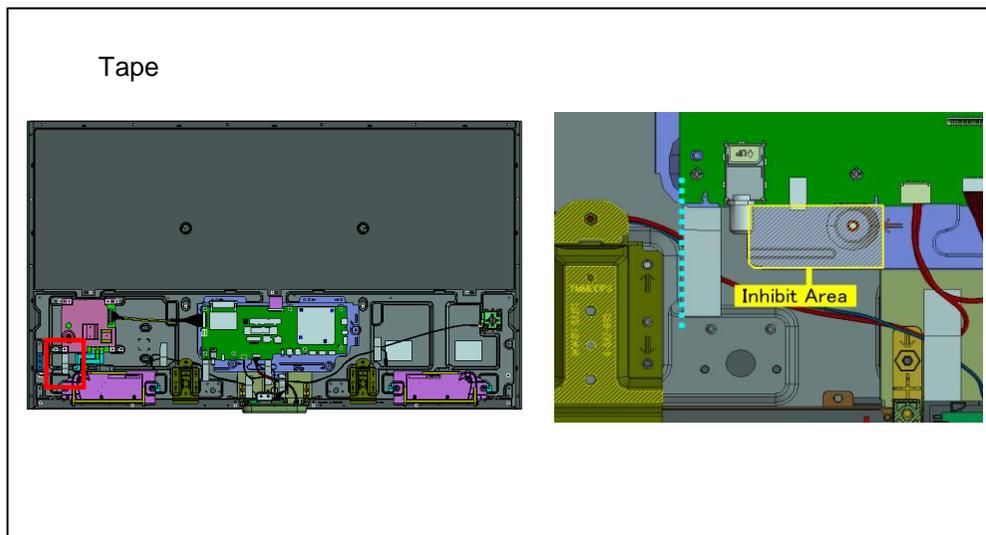


No gap between the Smart Core and AL Bezel

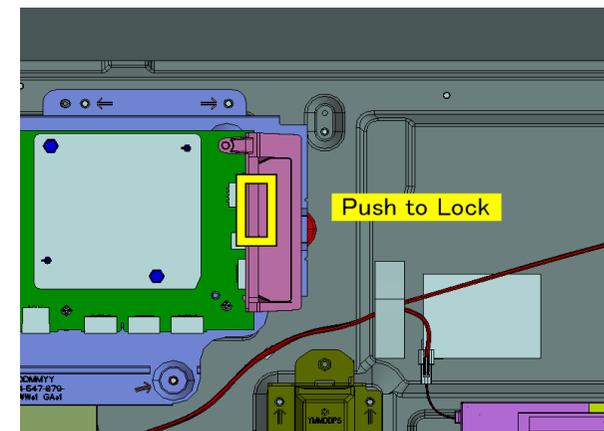
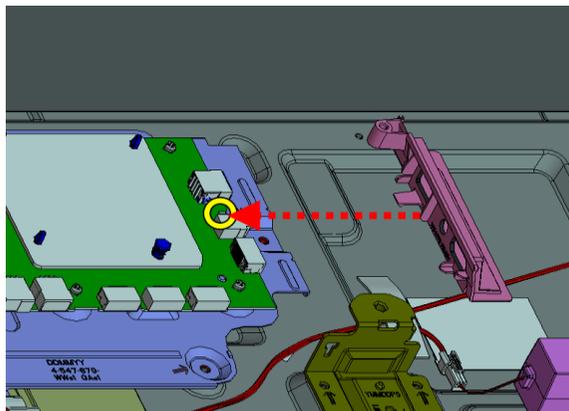
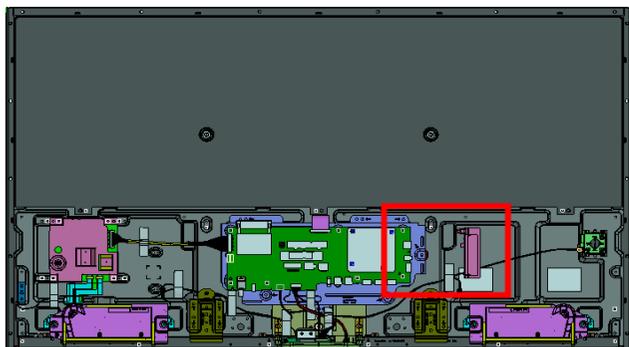


Tape

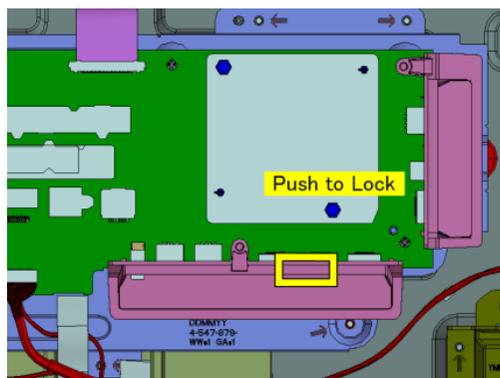
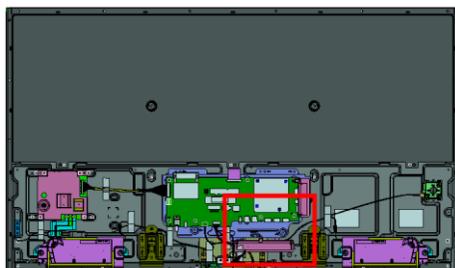




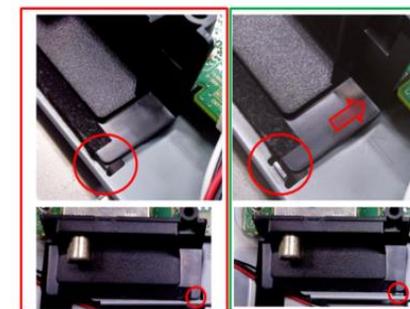
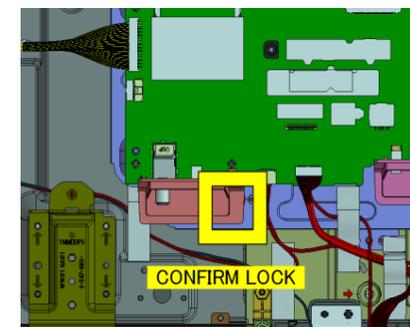
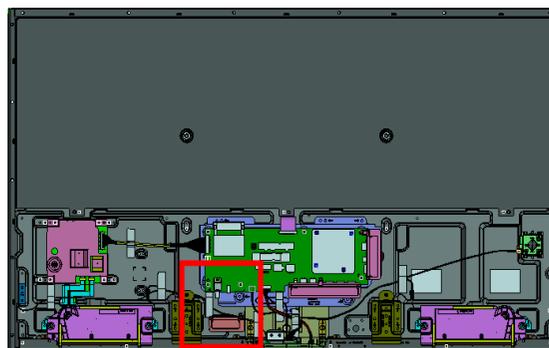
Bracket Side (Mold)



Bracket Under (Mold)



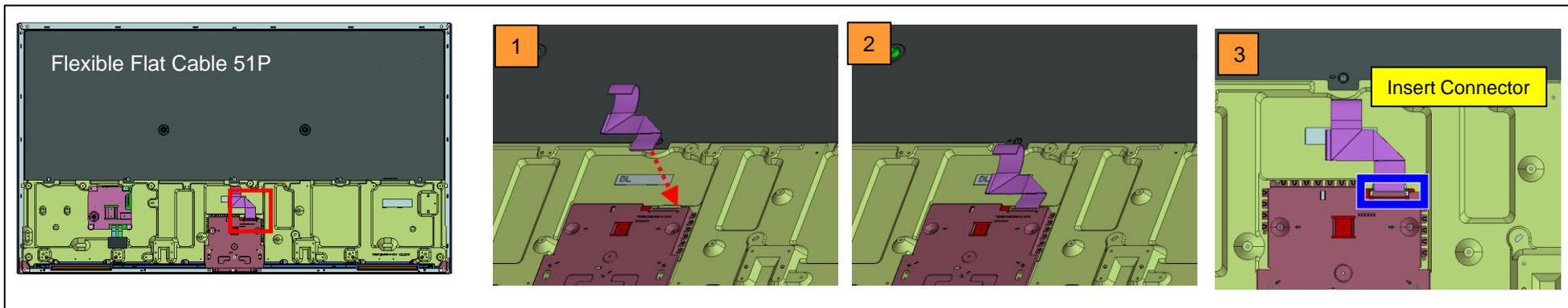
Bracket Under TU (Mold)



NG - half locked

OK - fully locked

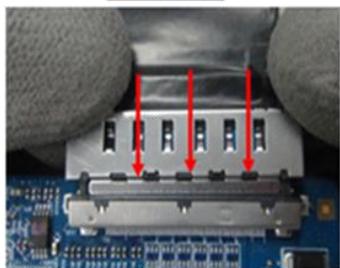
4-4-2. KDL-55W800C/805C



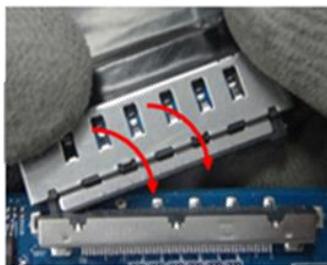
Caution during handling Flexible Flat Cable

Caution for FFC with connector installation at panel side

OK

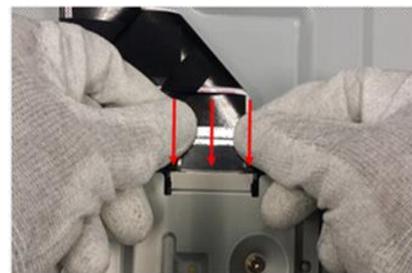


NG



Caution for FFC Insertion with connector at panel side

OK

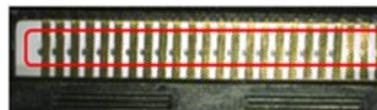


NG

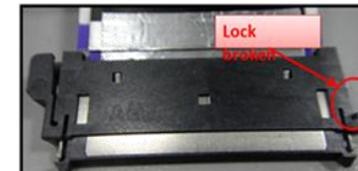
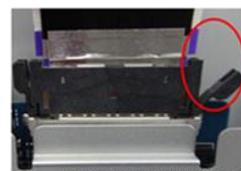


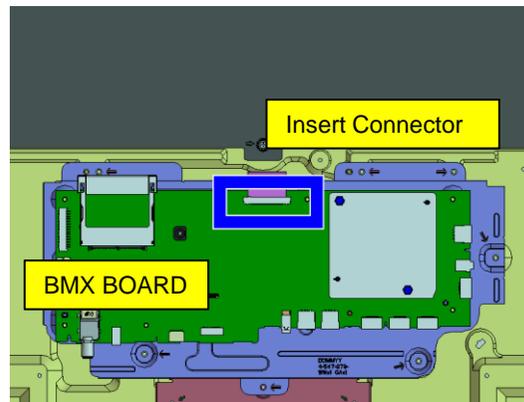
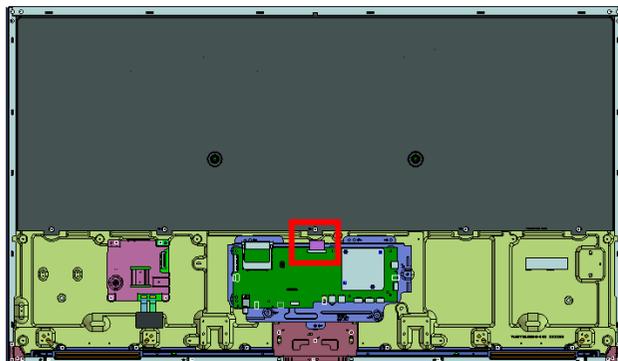
Do not bend the ear lock during FFC insertion. Rough handling will cause ear lock at connector broken as in picture below:

Abnormal handling will cause contact shifted & foreign particles issue as picture below:



PARTICLES ISSUE : PANEL SIDE





Caution during handling Flexible Flat Cable

OK and NG Conditions for FFC insertion

Caution: For Reverse Insertion (180° degree Turn & Insert)

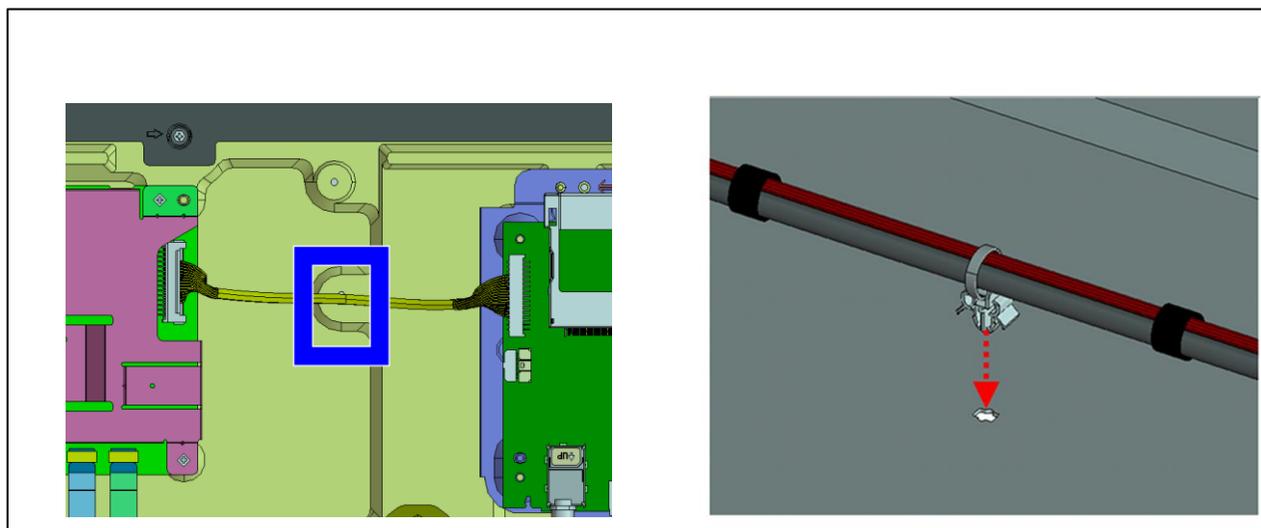
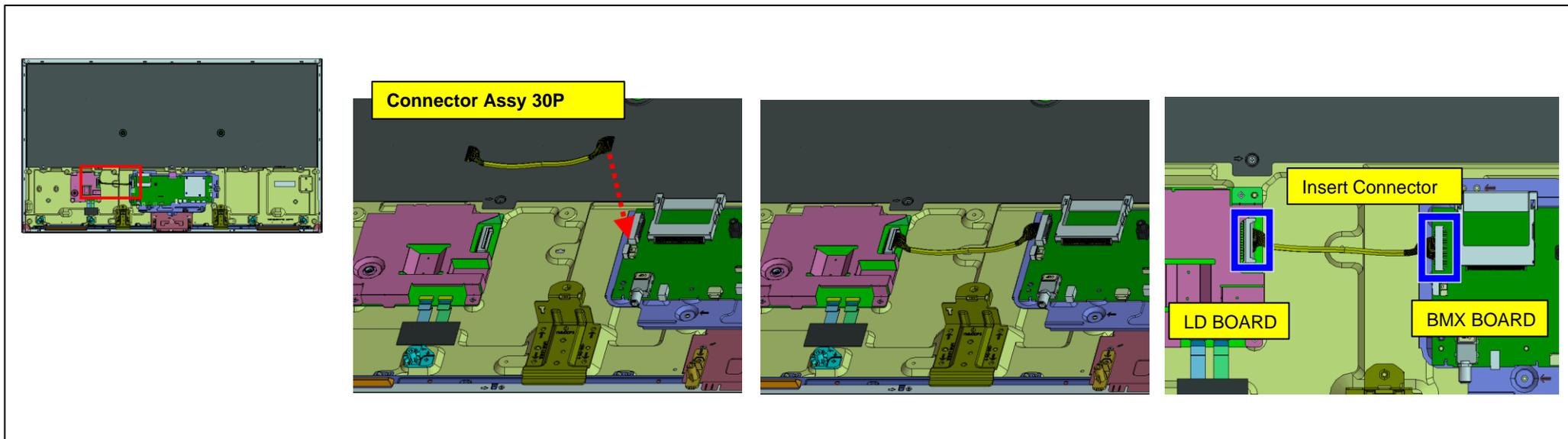
OK	NG
<p>1) Hold FFC holder & FFC by using two hands</p> <p>2) Insert FFC to main board straight and as parallel to main board (allowance : within 30 degree)</p> <p>Side view</p>	<p>1) Hold FFC by holder only (wrong handling).</p> <p>2) Side view</p> <p>2) FFC conn flip / slanting. (> 30 degree)</p>

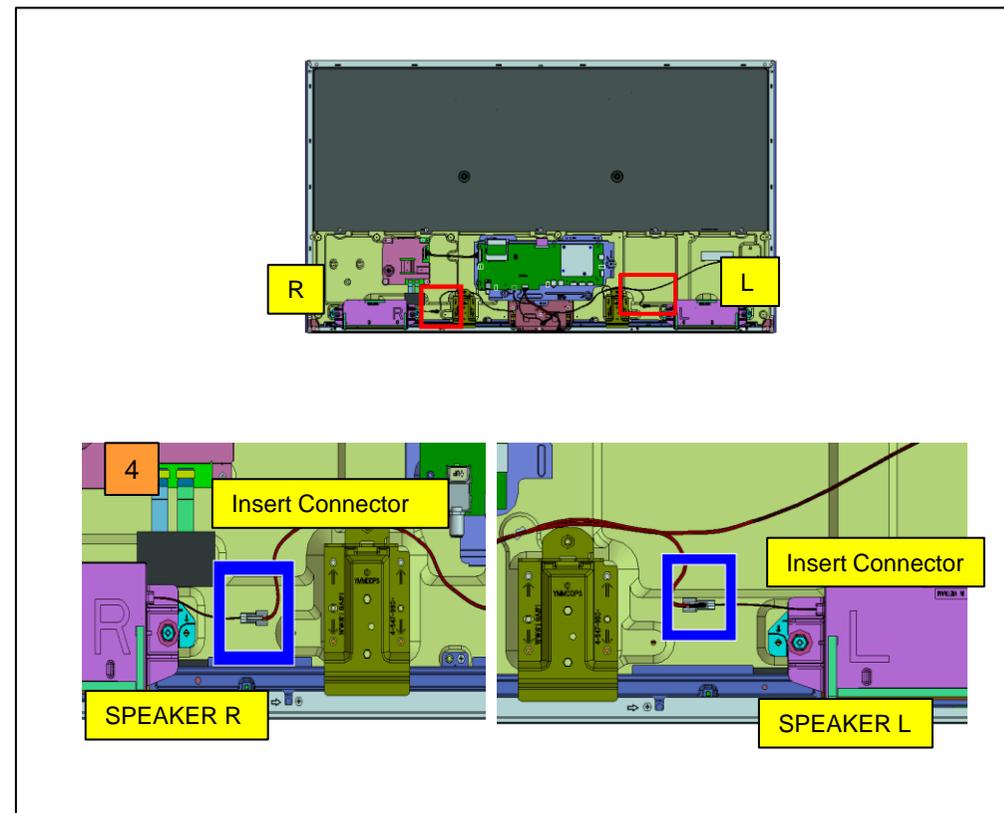
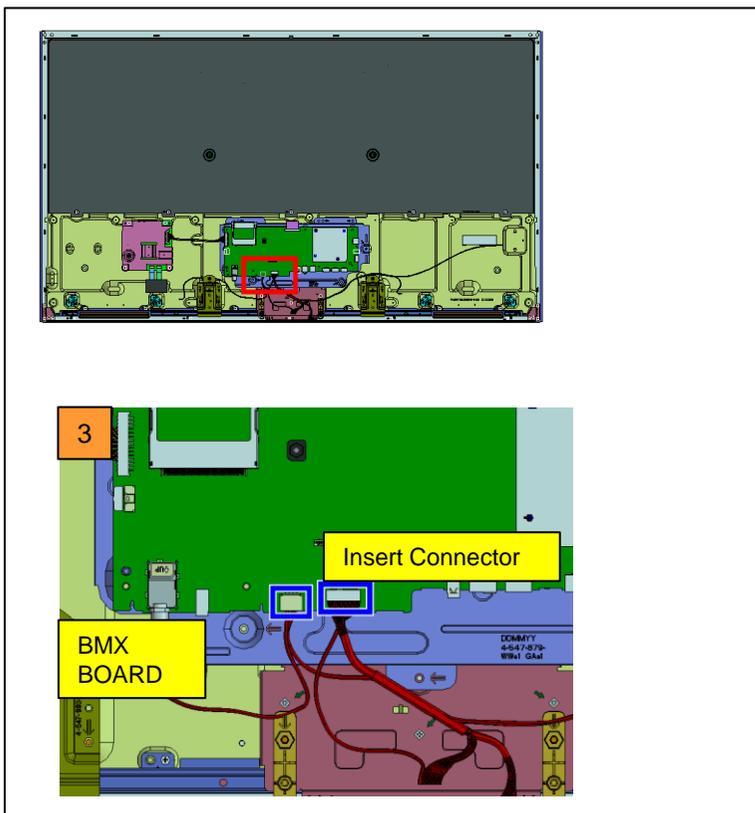
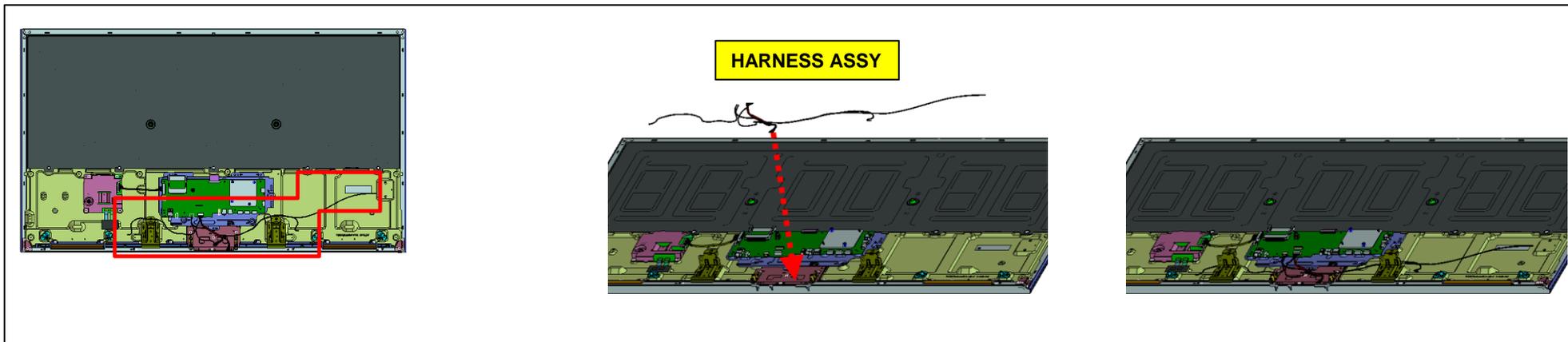
OK

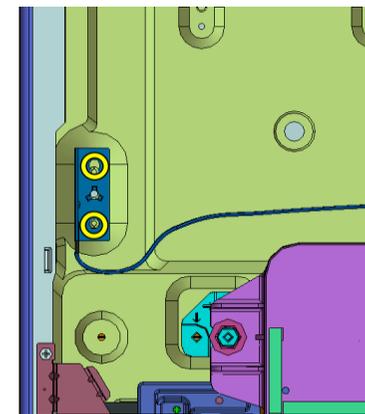
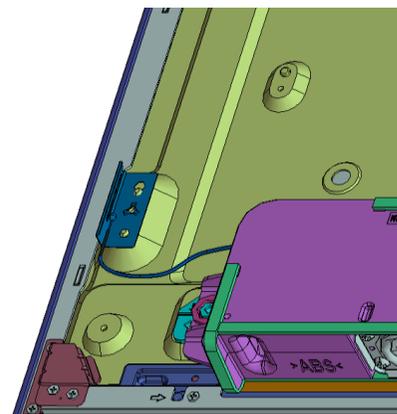
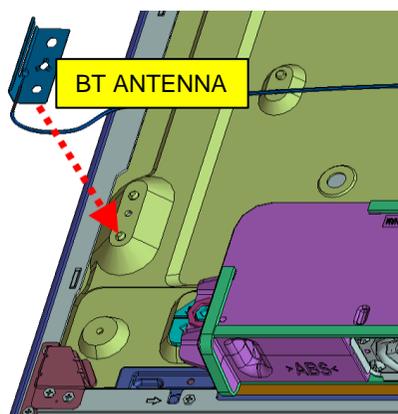
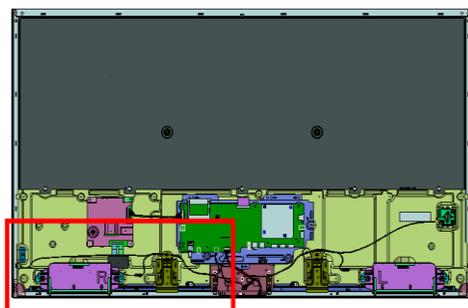
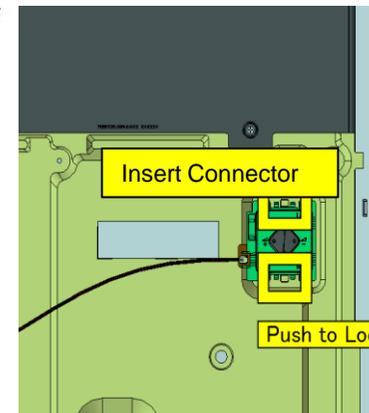
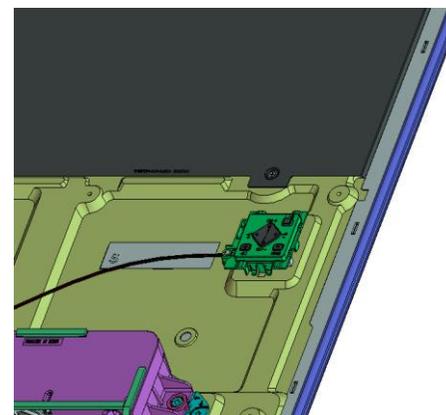
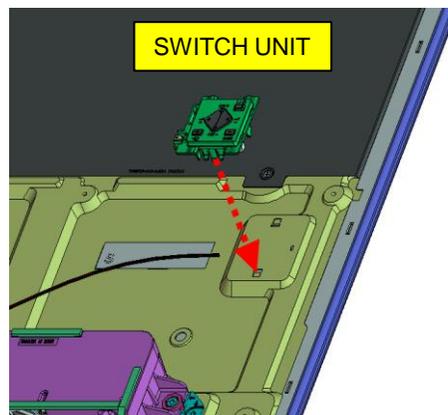
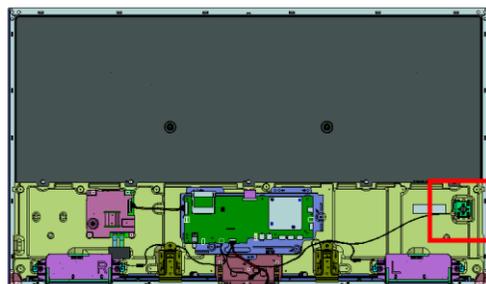
Insert FFC in straight direction/condition into the connector and plunge it to the depths.

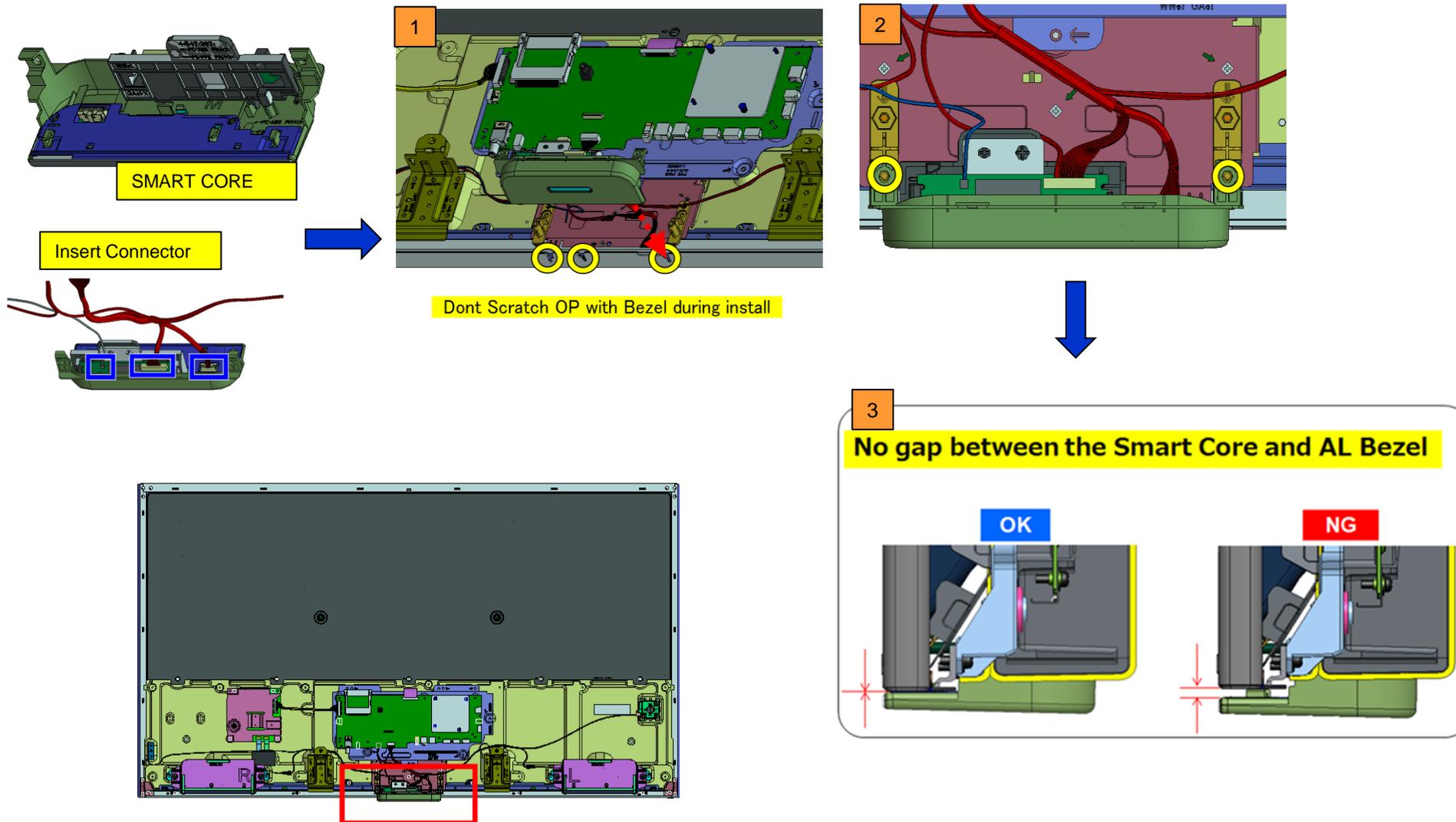
NG

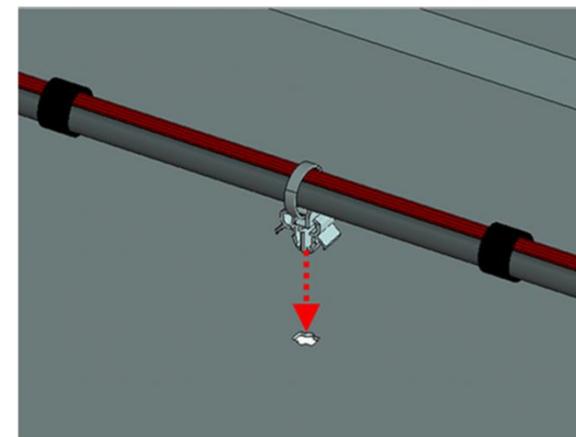
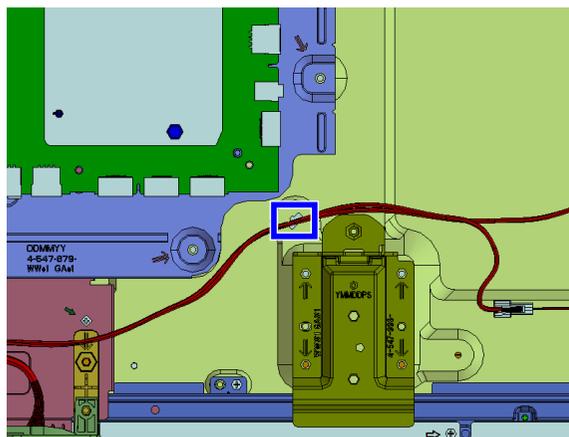
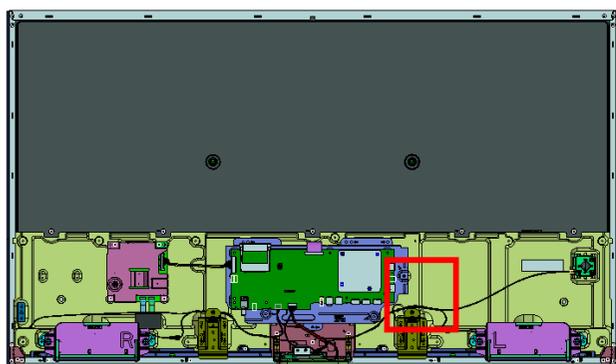
DO NOT slant the FFC during insertion.



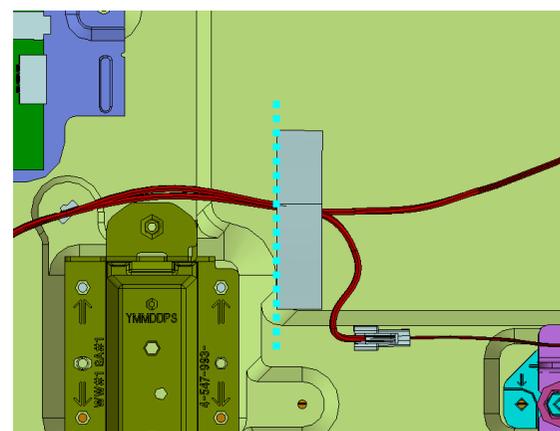
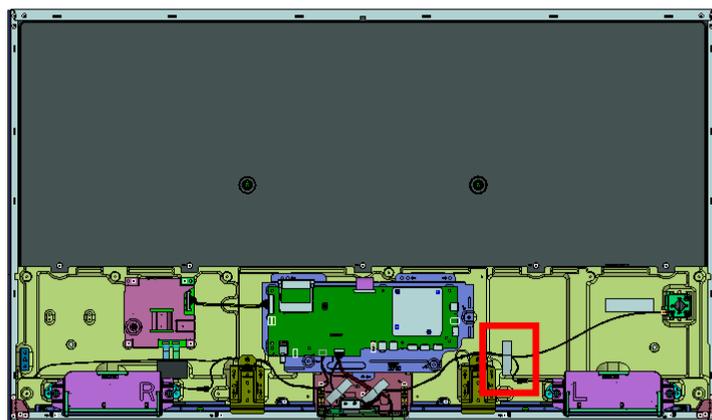




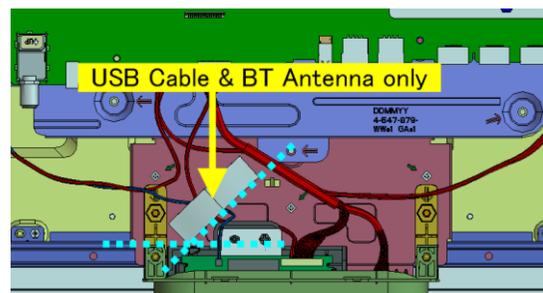
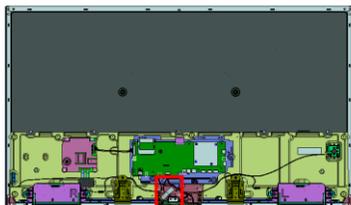




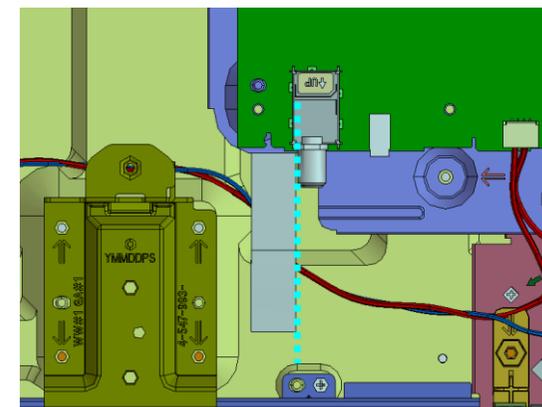
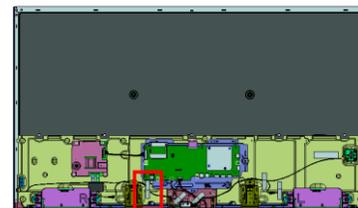
Tape



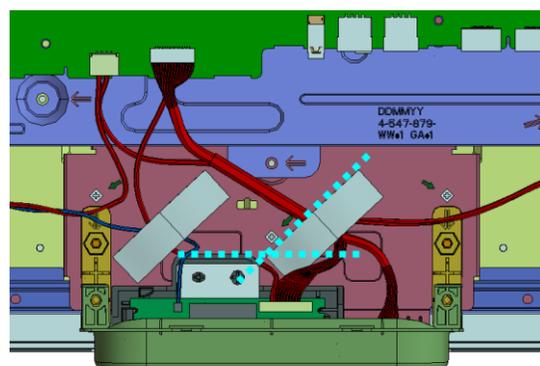
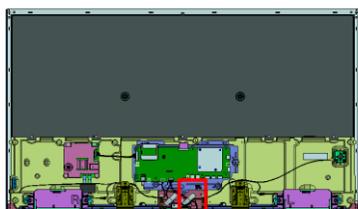
Tape



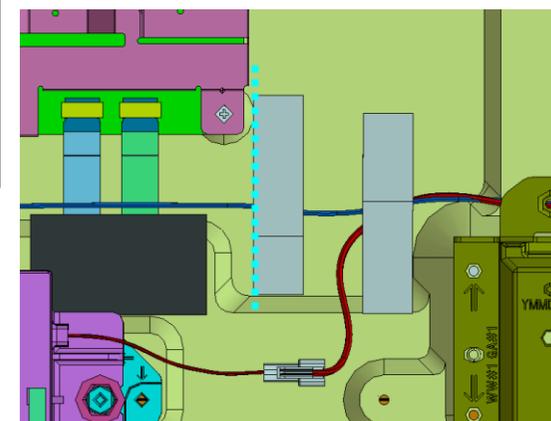
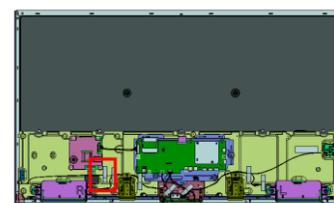
Tape



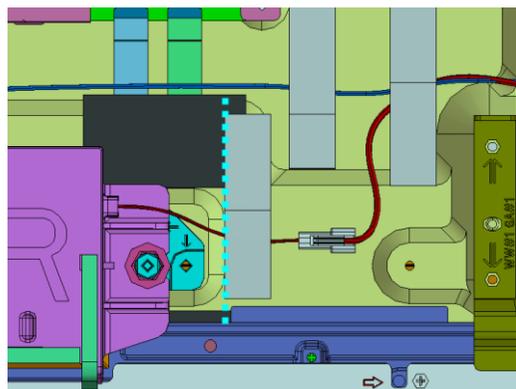
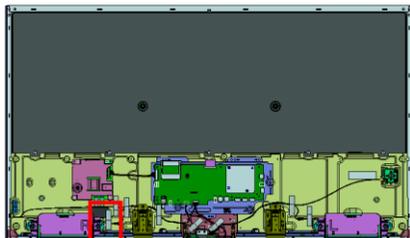
Tape



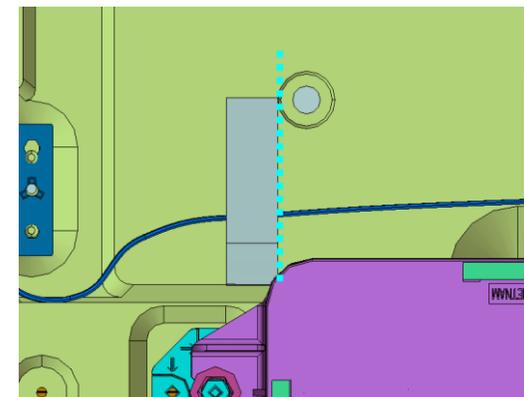
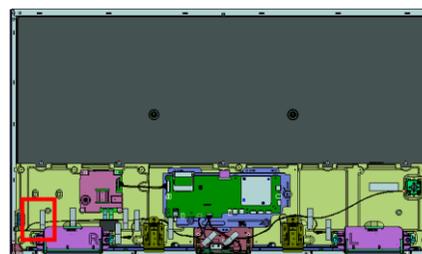
Tape



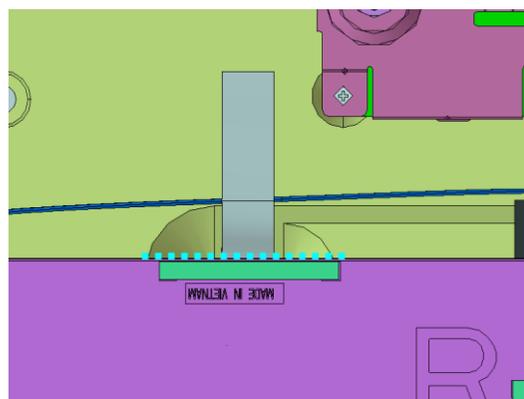
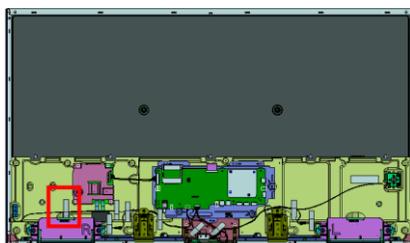
Tape



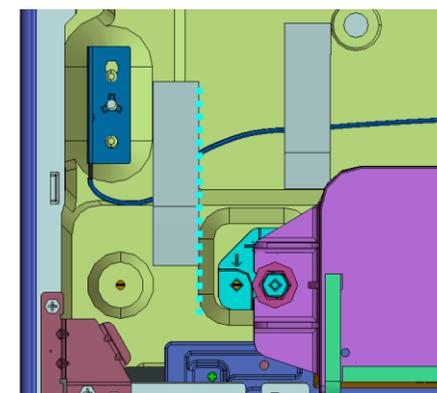
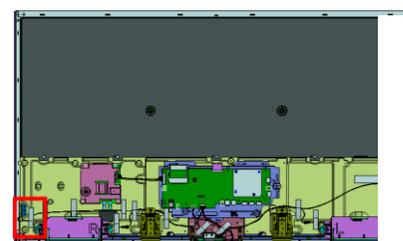
Tape



Tape



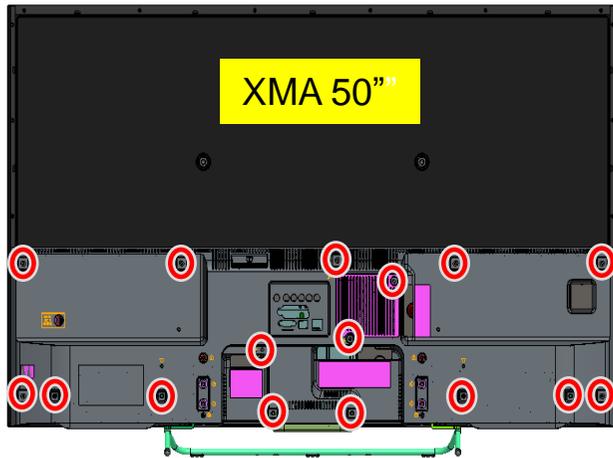
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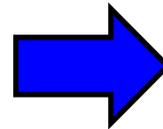
END

APPENDIX-1

1-1. Procedure To Disassemble Under Cover (Standing position)



○ X 16



Step 1: Ensure all screws is removed.



Step 2: Take out the UC

1-2. Procedure To Disassemble Smart Core

1-2-1. General

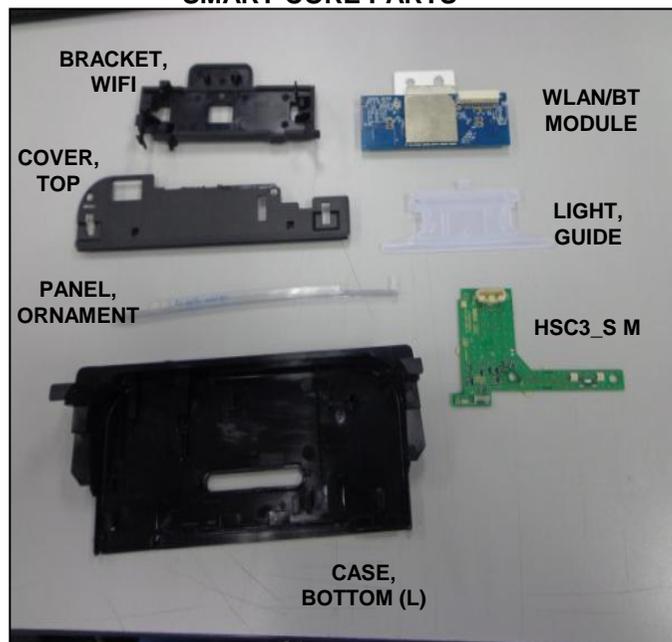


FRONT VIEW

BACK VIEW

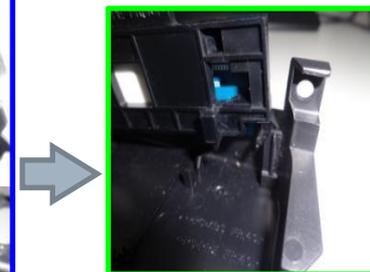
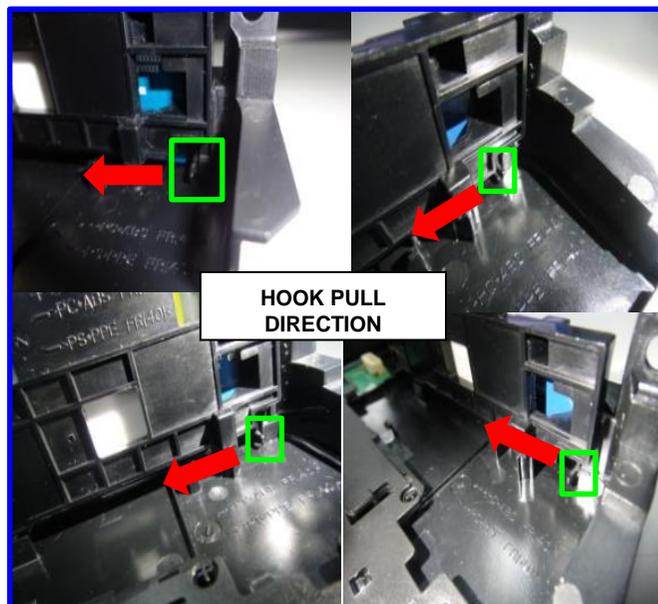


SMART CORE PARTS

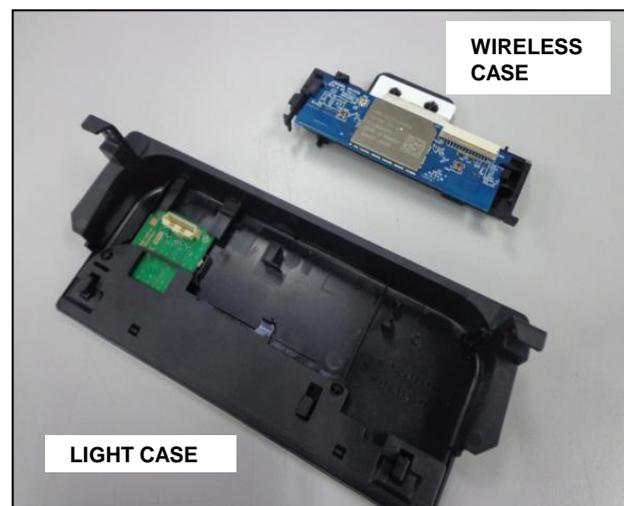


1-2-2. Smart Core Disassembly

Step 1 : Remove WIRELESS CASE by pulling the hook in the direction as shown

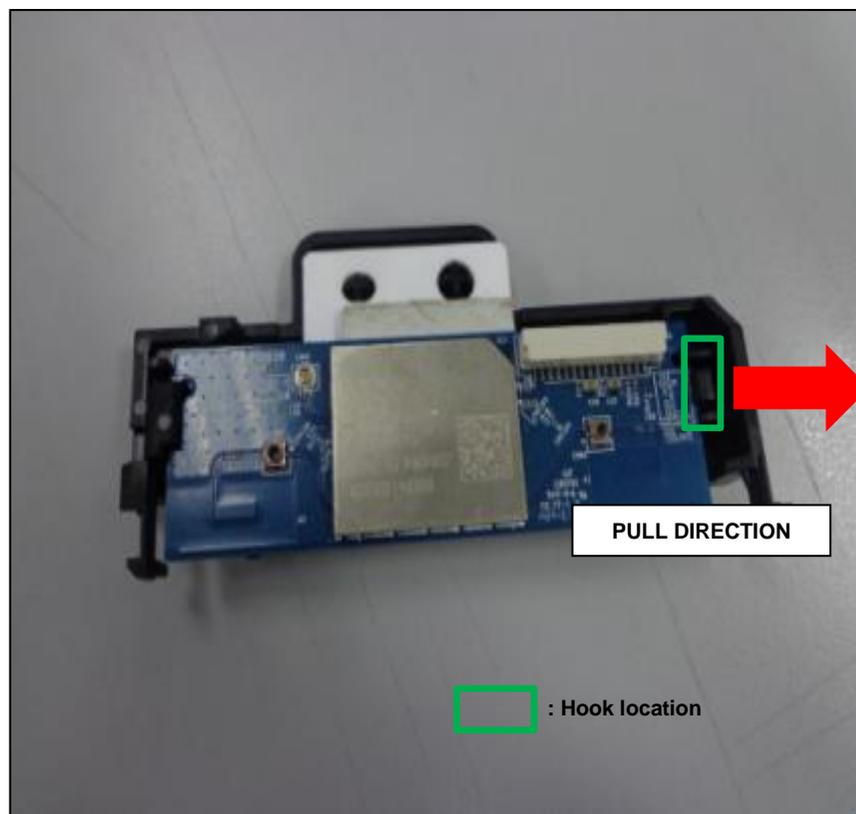


□ : Hook location

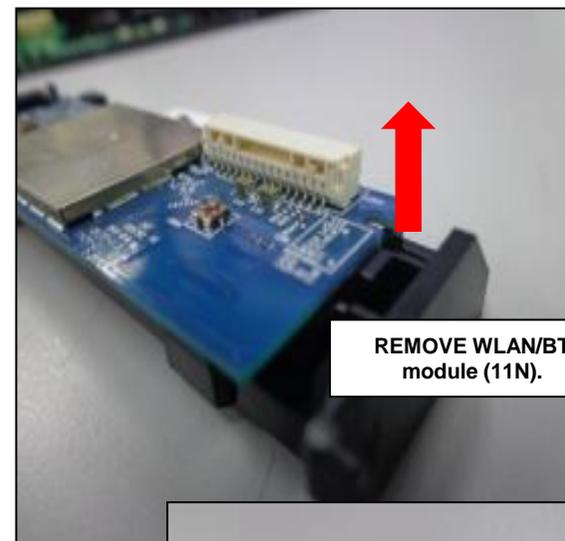


1-2-3. Wireless Case Disassembly

Step 1 : Detach from hook (1 location)



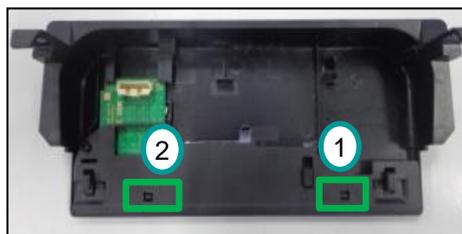
Step 2 : Remove WLAN/BT module (11N).



1-2-4. Light Case Disassembly

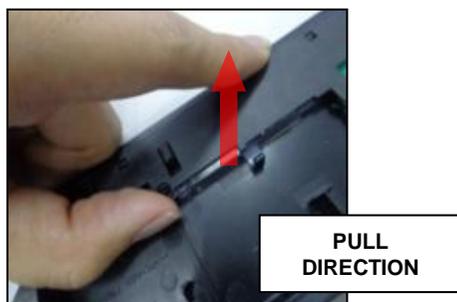
a) Disassembly of "COVER, TOP"

Take out from hook (2 location) *take out hook from "No.1" to "No.2".

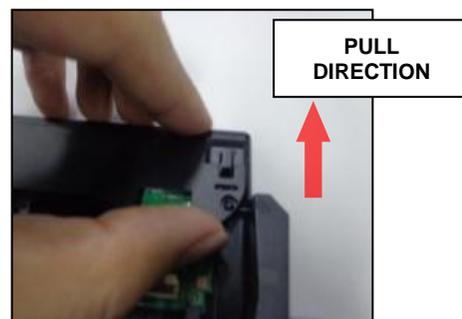


 : Hook location

Take out hook at No.1 area



Take out hook at No.2 area

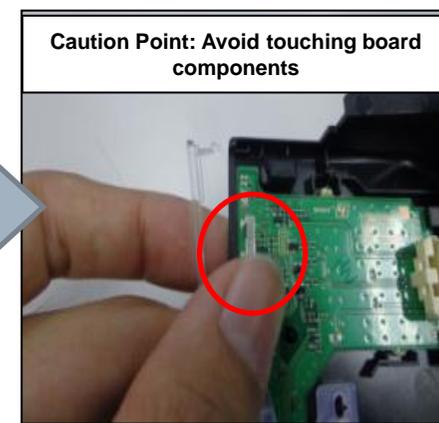
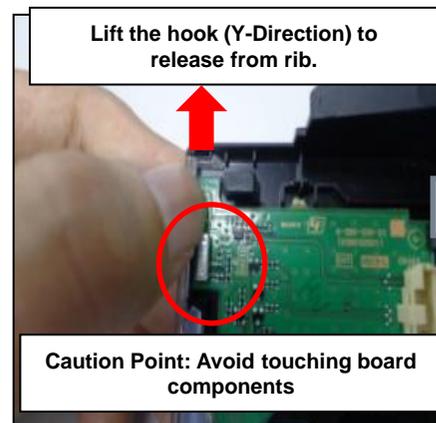


After detach No.1 hook, Detach No.2 hook.



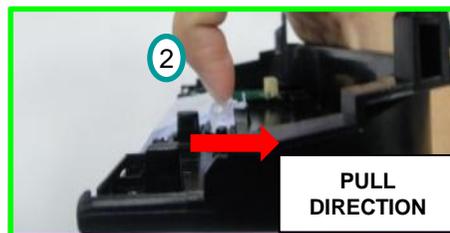
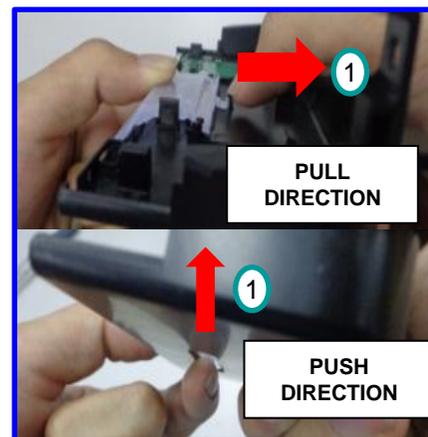
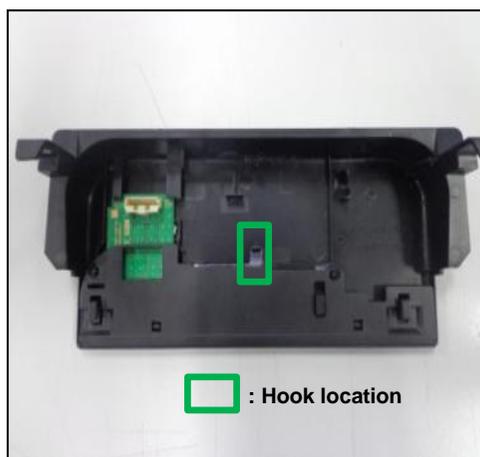
b) Disassembly of "Panel, Ornament"

Detach "PANEL, ORNAMENT" as shown below



c) Disassembly of "Light, Guide"

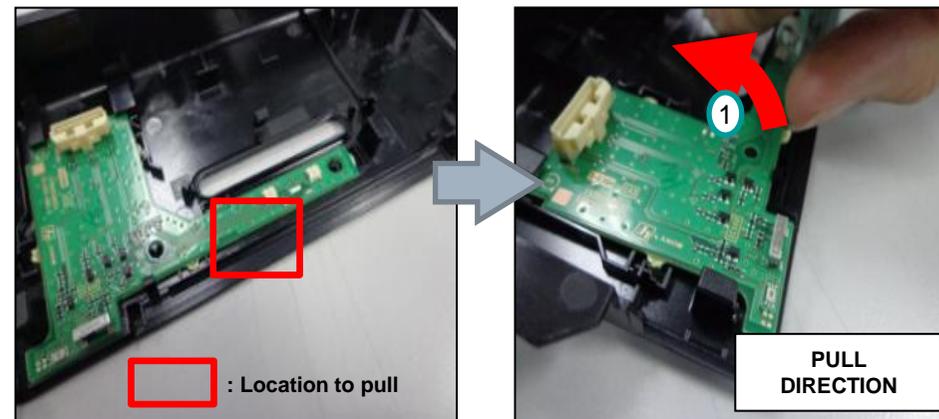
Detach LIGHT, GUIDE from hook and push LIGHT, GUIDE from bottom simultaneously



Step 3.2 : Pull the LIGHT, GUIDE inwards to remove it

Remarks:
Step 2 is important to avoid hook broken from Case, Bottom and Light, Guide.

d) Disassembly of "HSC3_S M Mount "



Remarks:
Do not pull on any components on HSC3_S M MOUNT!

