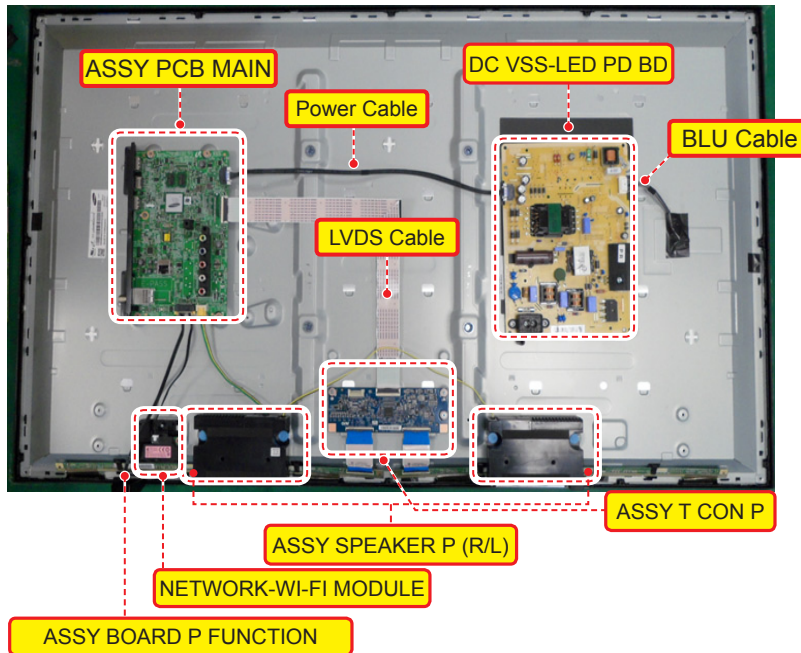


4. Troubleshooting

4-1. Troubleshooting

■ Previous Check

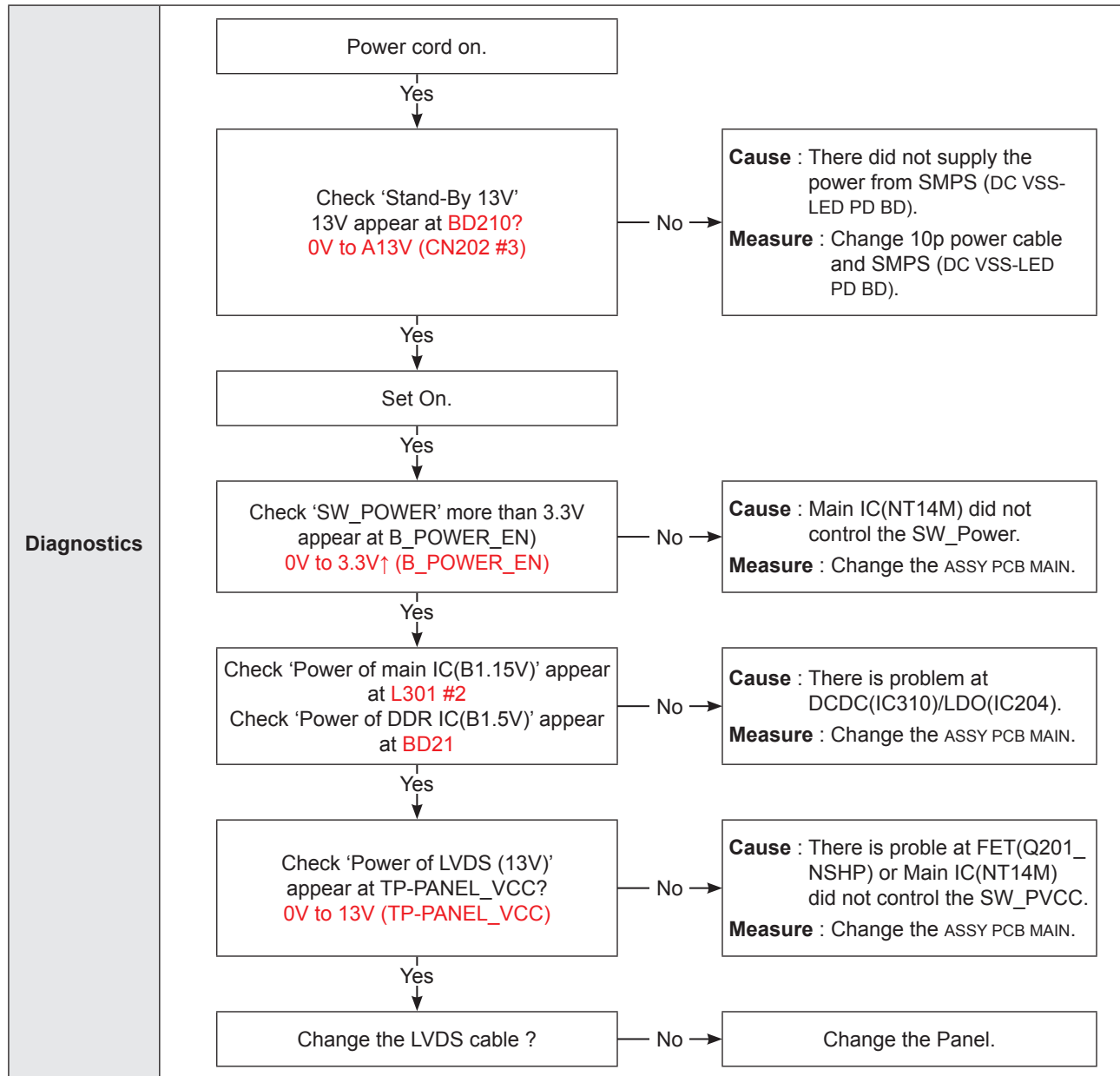
1. Check the various cable connections first.
 - Check to see if there is a burnt or damaged cable.
 - Check to see if there is a disconnected or loose cable connection.
 - Check to see if the cables are connected according to the connection diagram.
2. Check the power input to the ASSY PCB MAIN.



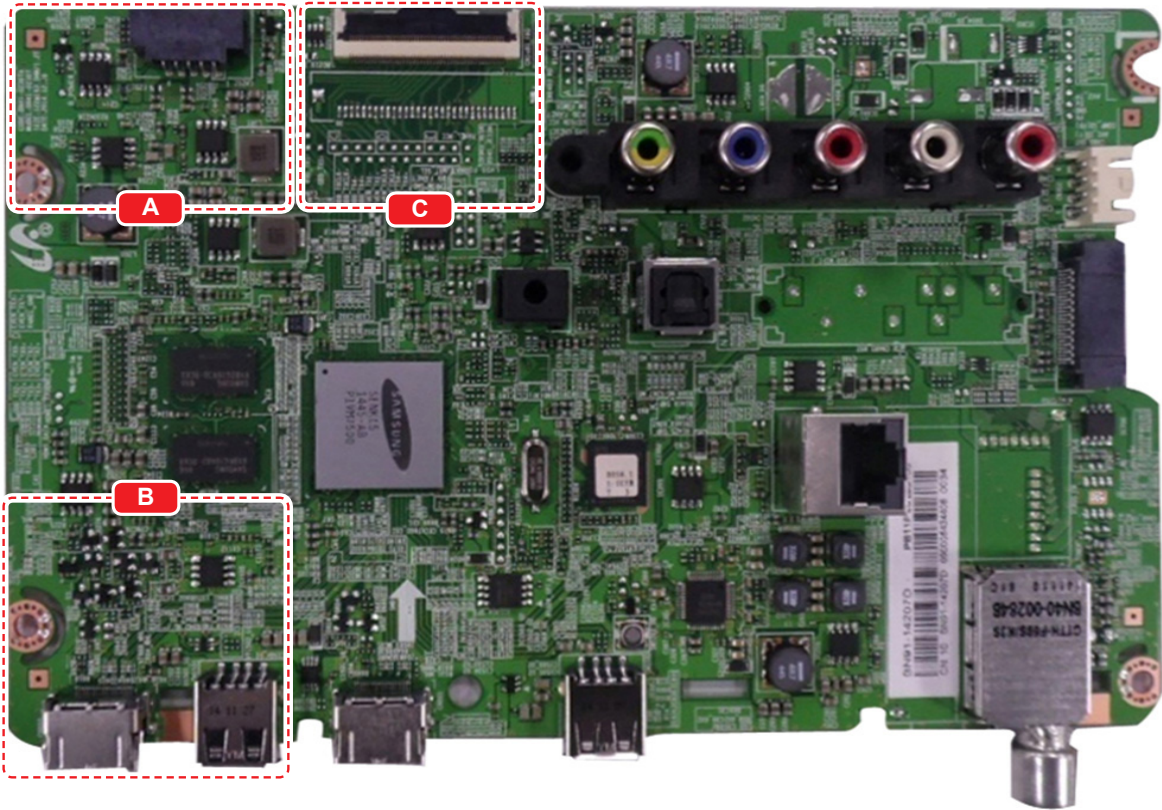
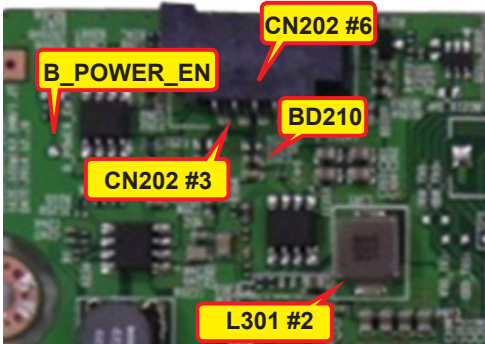
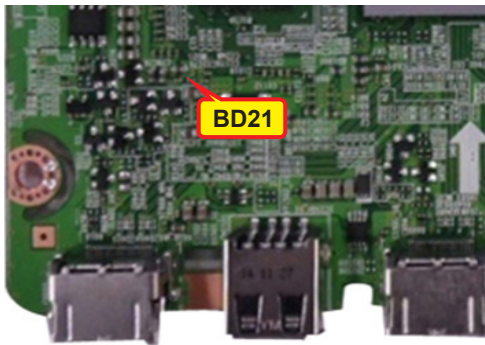
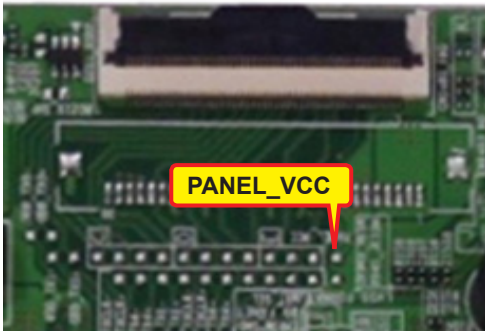
ASSY PCB MAIN (CN202)			
9	A13V	10	UNDER_DRIVER
7	A13V	8	PWM_DIM
5	A13V	6	SW_POWER_TO_SMPS
3	A13V	4	GND
1	GND	2	GND

3. Check the power in & output between DC VSS-LED PD BD (SMPS) & ASSY PCB MAIN, ASSY PCB MAIN & Panel, IP & Panel.

4-2. How to Check Fault Symptom



■ Location of Parts

ASSY PCB MAIN Board_Front	
	
Detail	
A	
	
C	

4-3. Factory Mode Adjustments

4-3-1. Detail Factory Option



NOTE

If you replace the main board with new one, please change the factory option as well.
The options you must change are "Type".

■ UN40J5200AGXZD

Model Name		40"
Panel	Vendor	INX
	Code	BN95-02347E
	Spec.	CY-JJ040BGNV1G
SMPS (PD Board)	Vendor	HANSOE
	Code	BN44-00851A
	Spec.	L40MSF_FHS
MAIN ASSY	Chassis Ass'y	BN91-17172B
	PBA Ass'y code	BN94-10700F
Byte	Item	
0	Factory Reset	-
1	Type	40D6AF0JJ
2	SW Model	UJ5200
3	BOM Model	5200
4	Local Set	BRA_DTV
5	Tuner	AUTO

■ UN43J5200AGXZD

Model Name		43"	
		DD02	AD03
Panel	Vendor	AUO	AUO
	Code	BN07-01449A	BN95-02333C
	Spec.	CY-JJ043BGAB1V	CY-JJ043BGAV1G
SMPS (PD Board)	Vendor	DYREL	DYREL
	Code	BN44-00852A	BN44-00852A
	Spec.	L48MSF_FDY	L48MSF_FDY
MAIN ASSY	Chassis Ass'y	BN91-15848P	BN91-14720L
	PBA Ass'y code	BN94-09599B	BN94-09536H
Byte	Item		
0	Factory Reset	-	
1	Type	43L6AF0JJ	43L6AF0JJ
2	SW Model	UJ5200	
3	BOM Model	5200	
4	Local Set	BRA_DTV	
5	Tuner	AUTO	

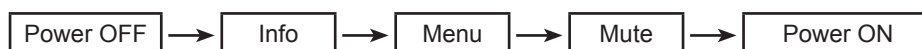
■ UN48J5200AGXZD

Model Name		48"
Panel	Vendor	SDC
	Code	BN95-02334B
	Spec.	CY-JJ048BGLV1G
SMPS (PD Board)	Vendor	DYREL
	Code	BN44-00852A
	Spec.	L48MSF_FDY
MAIN ASSY	Chassis Ass'y	BN91-14720K
	PBA Ass'y code	BN94-09536D
Byte	Item	
0	Factory Reset	-
1	Type	48A6AF0JJ
2	SW Model	UJ5200
3	BOM Model	5200
4	Local Set	BRA_DTV
5	Tuner	AUTO

4-3-2. Entering Factory Mode

o enter 'Service Mode' Press the remote -control keys in this sequence :

- If you do not have Factory remote control



- If you have Factory remote control



- If you don't have Factory remote control, can't control some menus.

Option	T-N14MJUABC-xxxx.x T-N14MJDEUS-xxxx BT Version: **** E-Manual : NMISDBH-xxxx EDID SUCCESS CALIB : AV/COMP/PC/HDMI/ Option : *****,****,5200,**** RFS:"NT14M xxxx" K/1 20xx-xx-xx KERNEL:xxx.xxxx,/Onboot: xxxx DTP-DTVTD-xxxx TCON Version:----
Control	
Debug	
SVC	
ADC/WB	
Advanced	Model: UN32J5200 Wired MAC ---- Wireless MAC ---- WIFI: ATH6KL(****_****) CO Nf/ W/ M/ D/ H2 PO AO/ S/ N/ SC/ Factory Data Ver:xxx / EERC Version: xxx SmartControl: **** DTP-BP-HAL-xxxx DTP-BP-MW-xxxx DTP-BP-APP-xxxx-xx-Hijack POP-PNG-xx-xxxx Date of purchase:-/-----

4-3-3. Factory Data

■ Option

Factory Menu Name	Data	Range
Factory Reset	-	
Type	48A6AF0JJ / 43L6AF0JJ/ 40D6AF0JJ.....	
Local Set	-	Select Local
SW Model	UJ5200	UH5100
BOM Model	5200	4200
TUNER	(Auto detect, Depending on the country)	
Ch Table	NONE	

4-4. White Balance

4-4-1. Calibration

1. Into the Factory Mode.
2. Select **SVC** Menu.
3. Select **ADC/WB** menu.
4. Select **ADC** menu.

Option
Control
Debug
SVC
ADC/WB
Advanced

ADC

AV Calibration
Comp Calibration
PC Calibration
HDMI Calibration

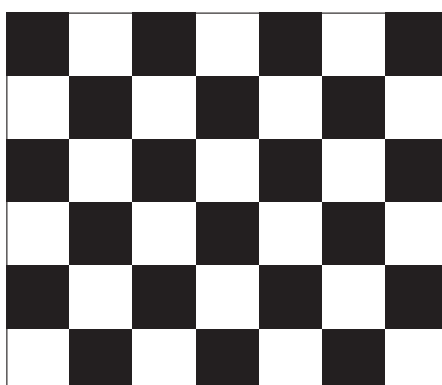
4-4-2. Service Adjustment

You must perform Calibration in the Lattice Pattern before adjusting the White Balance.

■ Color Calibration

- Adjust Specification

Source	Setting Mode	Pattern	Use Equipment
HDMI	1280 x 720@60 Hz	Pattern #24 (Chess Pattern)	CA210 & Master MSPG925 Generator



(Chess Pattern)

- Use other equipment only after comparing the result with that of the Master equipment.

Input mode	Calibration	Pattern
CVBS IN (Model_#1)	Perform in NTSC B&W Pattern #24	Lattice
Component IN (Model_#6)	Perform in 720p B&W Pattern #24	Lattice
PC Analog IN (Model_#21)	Perform in VESA XGA (1024x768) B&W Pattern #24	Lattice
HDMI IN	Perform in 720p B&W Pattern #24	Lattice

■ Method of Color Calibration (AV)

1. Apply the NTSC Lattice (N0. 3) pattern signal to the AV IN 1 port.
2. Press the Source key to switch to "AV1" mode.
3. Enter Service mode.
4. Select the "ADC" menu.
5. Select the "AV Calibration" menu.
6. In "AV Calibration Off" status, press the "▶" key to perform Calibration.
7. When Calibration is complete, it returns to the high-level menu.
8. You can see the change of the "AV Calibration" status from Failure to Success.

■ Method of Color Calibration (Component)

1. Apply the 720p Lattice (N0. 6) pattern signal to the Component IN 1 port.
2. Press the Source key to switch to "Component1" mode.
3. Enter Service mode.
4. Select the "ADC" menu.
5. Select the "Comp Calibration" menu.
6. In "Comp Calibration Off" status, press the "▶" key to perform Calibration.
7. When Calibration is complete, it returns to the high-level menu.
8. You can see the change of the "Comp Calibration" status from Failure to Success.

■ Method of Color Calibration (PC)

1. Apply the VESA XGA Lattice (N0. 21) pattern signal to the PC IN port.
2. Press the Source key to switch to "PC" mode.
3. Enter Service mode.
4. Select the "ADC" menu.
5. Select the "PC Calibration" menu.
6. In "PC Calibration Off" status, press the "▶" key to perform Calibration.
7. When Calibration is complete, it returns to the high-level menu.
8. You can see the change of the "PC Calibration" status from Failure to Success.

■ Method of Color Calibration (HDMI)

1. Apply the 720p Lattice (N0. 6) pattern signal to the HDMI1/DVI IN port.
2. Press the Source key to switch to "HDMI1" mode.
3. Enter Service mode.
4. Select the "ADC" menu.
5. Select the "HDMI Calibration" menu.
6. In "HDMI Calibration Off" status, press the "▶" key to perform Calibration.
7. When Calibration is complete, it returns to the high-level menu.
8. You can see the change of the "HDMI Calibration" status from Failure to Success.

4-4-3. Adjustment

1. Into the Factory Mode.
2. Select **SVC** Menu.
3. Select **ADC/WB** menu.
4. Select **WB** menu.

Option			
Control			
Debug			
SVC		(Low light)	(High light)
ADC/WB	White Balance	Sub Bright R offset G offset B offset	Sub Contrast R gain G gain B gain
Advanced			

4-5. Software Upgrade

Software Upgrade can be performed by downloading the latest firmware from samsung.com to a USB memory device.

- Current Version - The software already installed in the TV.

Software is represented as 'Year/Month/Day_Version'.

4-5-1. How to Check the Software Version

■ Use the Main Menu

1. Click the "MENU" key in remote controller.
2. Select "Support" menu.
3. Locate the menu cursor "Software Upgrade" menu.
4. Click the "INFO" key.
 - Check the Main SW and Micom version.



■ Use the Factory Mode

Option	T-N14MJUABC-xxxx.x T-N14MJDEUS-xxxx
Control	BT Version: ****
Debug	E-Manual : NMISDBH-xxxx
SVC	EDID SUCCESS
ADC/WB	CALIB : AV/COMP/PC/HDMI/ Option : *****,****,5200,****
Advanced	RFS:"NT14M xxxx" K/1 20xx-xx-xx KERNEL:xxx.xxxx,/Onboot: xxxx DTP-DTVTD-xxxx TCON Version:----
	Model: UN32J5200 Wired MAC ---- Wireless MAC ---- WIFI: ATH6KL(xxxx_xxxx) CO Nf/ W/ M/ D/ H2 PO AO/ S/ N/ SC/ Factory Data Ver:xxx / EERC Version: xxx
	SmartControl: **** DTP-BP-HAL-xxxx DTP-BP-MW-xxxx DTP-BP-APP-xxxx-xx-Hijack POP-PNG-xx-xxxx Date of purchase:-/-----

4-5-2. How to Upgrade Software and Micom

Insert a USB drive containing the firmware upgrade downloaded from samsung.com into the TV. Please be careful not to disconnect the power or remove the USB drive while upgrades are being applied. The TV will turn off and turn on automatically after completing the firmware upgrade. Please check the firmware version after the upgrades are complete (the new version will have a higher number than the older version). When software is upgraded, video and audio settings you have made will return to their default (factory) settings. We recommend you write down your settings before beginning firmware update. After update is completed, restore your previous settings.

■ Main Software Upgrade

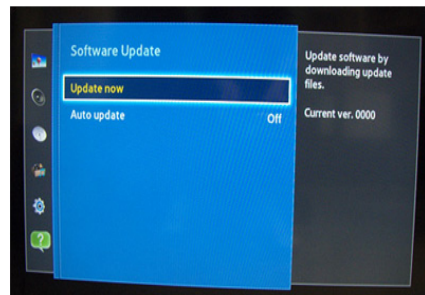
1. Store the sw program named "T-N14MJUABC" in USB memory stick.
 - Connect the USB.



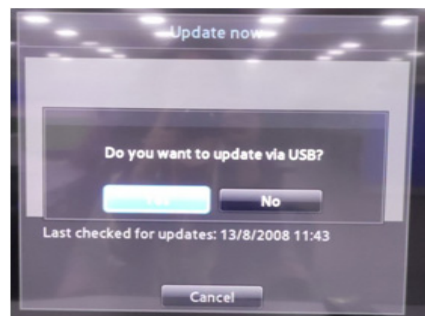
2. Click the "MENU" key in Remote Controller.
3. Select "Support" menu.
 - Locate the menu cursor "Software Update" menu.



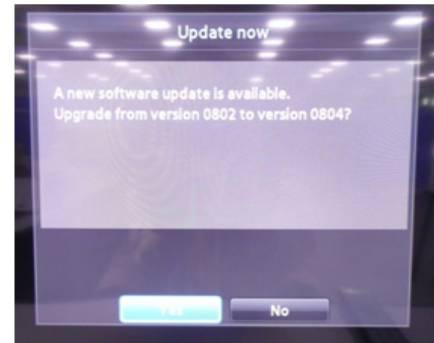
4. Locate the menu cursor "Update now" menu.



5. Click the "ENTER" key.



6. Click the "ENTER" key.
 - Wait for upgrade complete.
 - Check the Software Version.



4-6. The Dimension of J5200 Models

Item	39.5"	43"	48"	50"
WALL MOUNT (A X B)	200.0 X 200.0	200.0 X 200.0	200.0 X 200.0	200.0 X 200.0
C	361	392.8	449	470
D	158.4	182.8	212.3	224.3

