

3. Disassembly and Reassemble

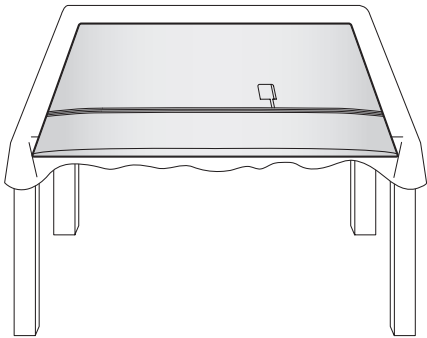
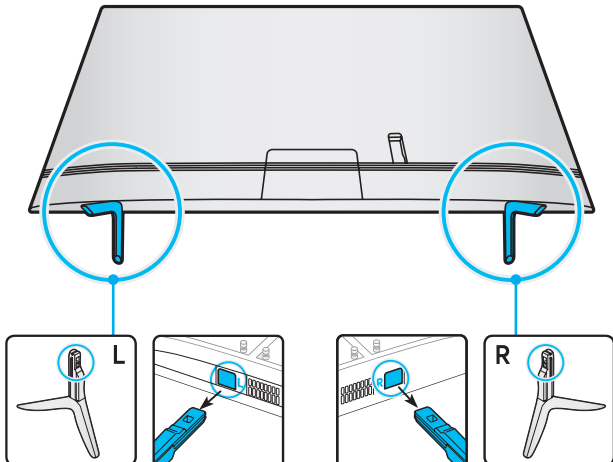
This section of the service manual describes the disassembly and reassembly procedures for the LED TV.

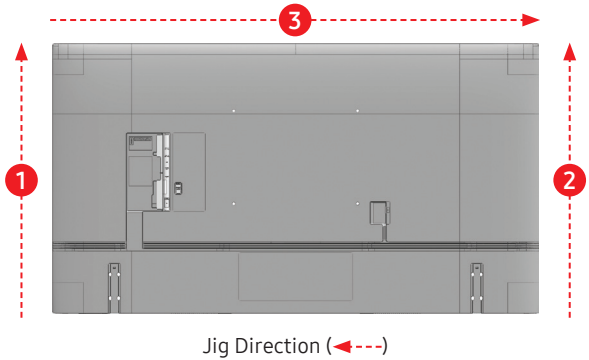
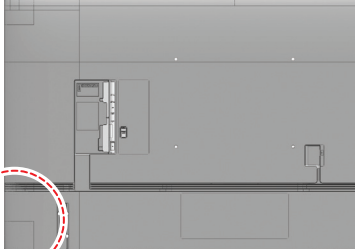
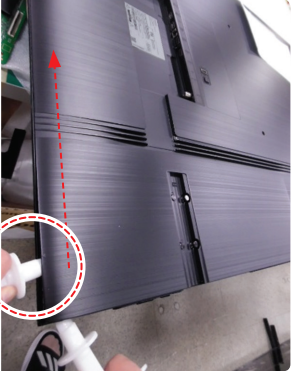
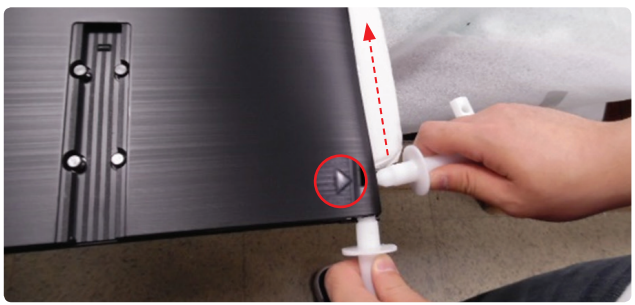


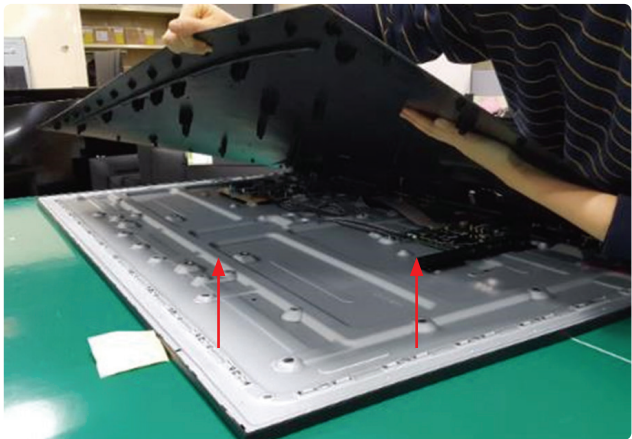
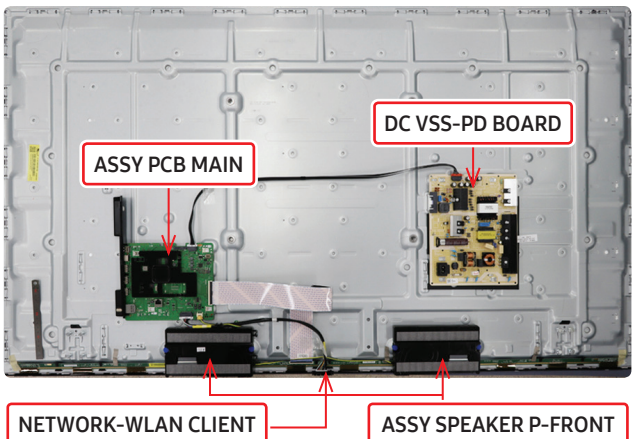
1. Disconnect the LED TV from the power source before disassembly.
2. Follow these directions carefully.
 - Use the Samsung Open Jig and Cushion to remove the Rear Cover.
 - Open Jig Tool, Protection Cushion (curved models Only)
 - Recommended Torque for Cabinet/Stand screws : 10 ~ 12kgf
 - A strength of Torque can be changed depending on the situation.

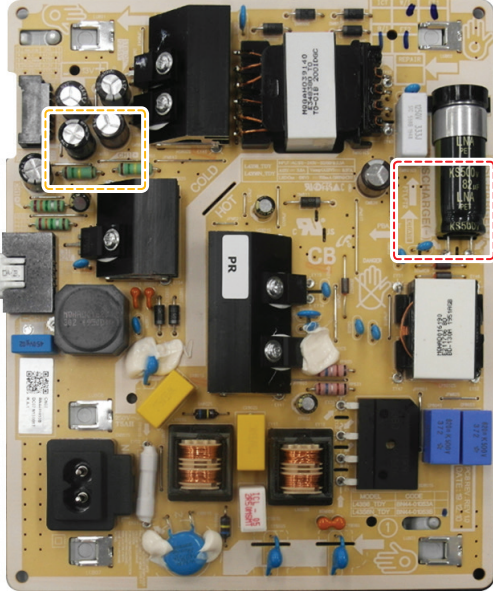
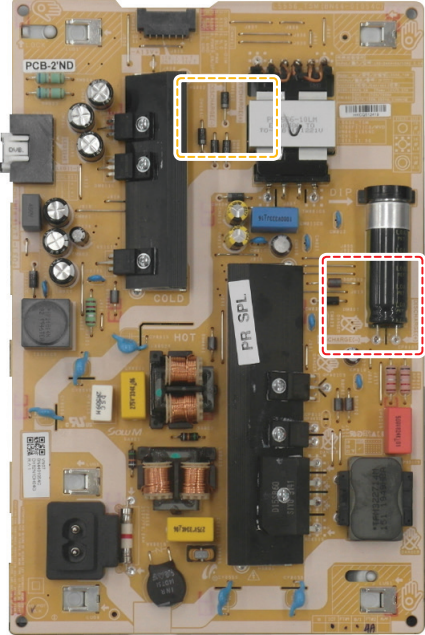
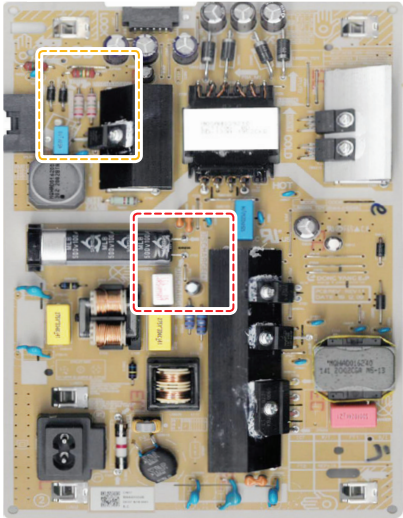
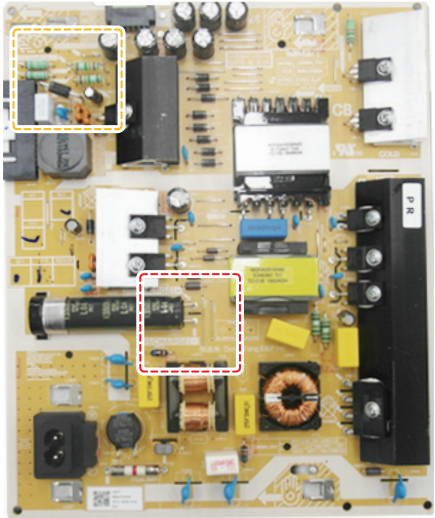
		
Assembly Misc P-jig-2017 (BN81-14946A)	Assembly Misc P-jig-2017 TV OCB Models (BN81-14946B)	Service Jig-Capacitor Discharge (BN81-16292A)

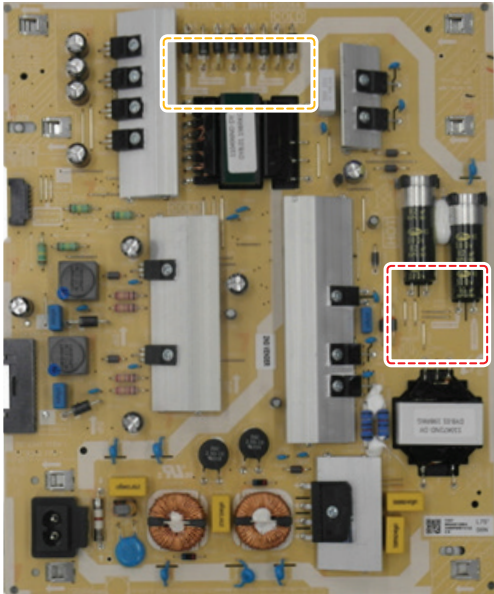
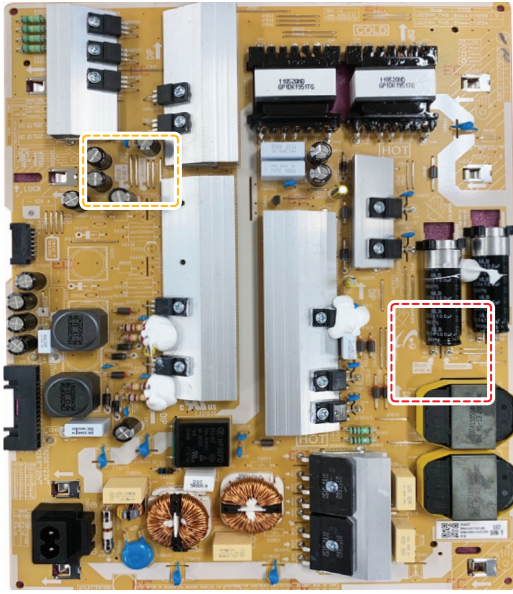
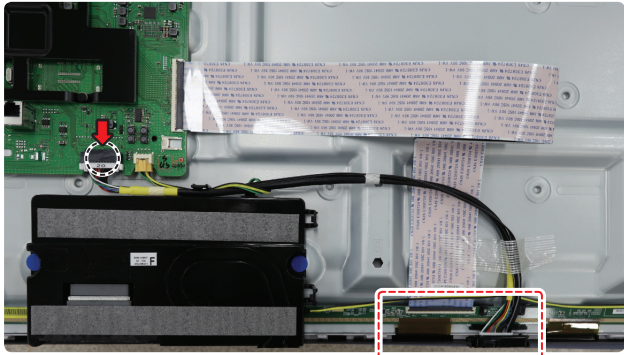
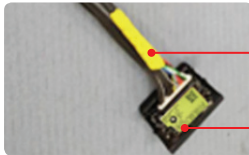
3-1. TV Disassembly

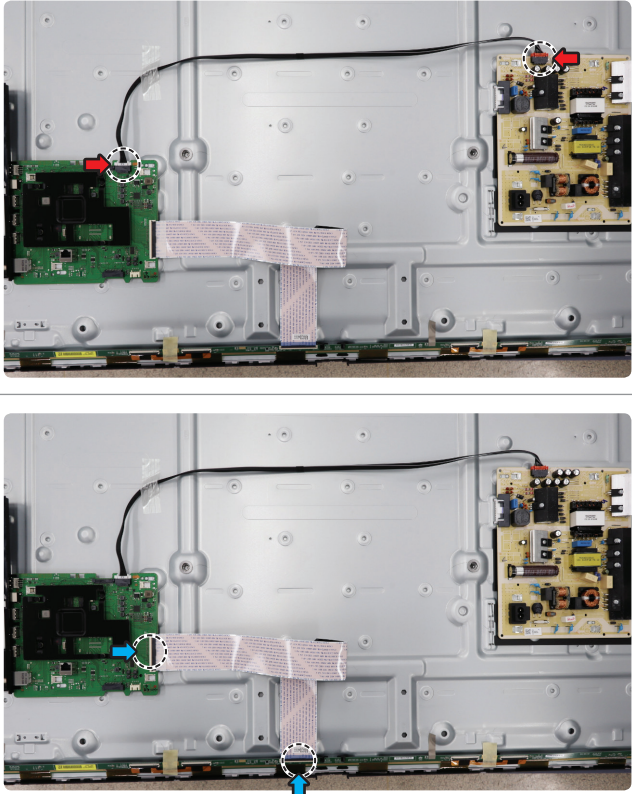
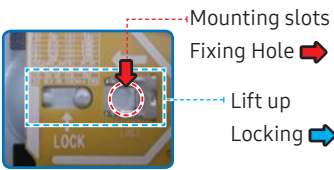
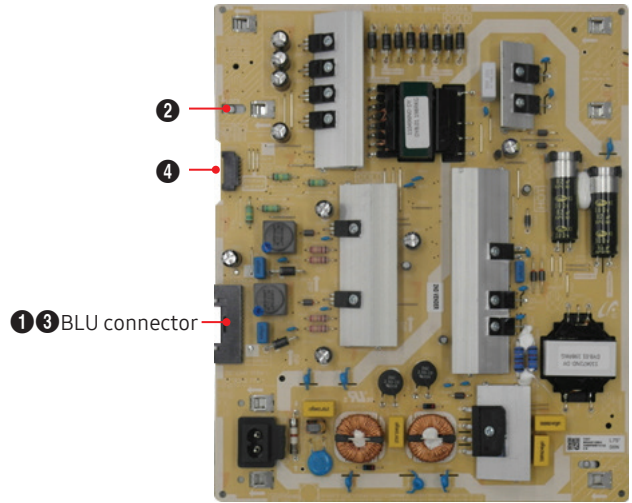
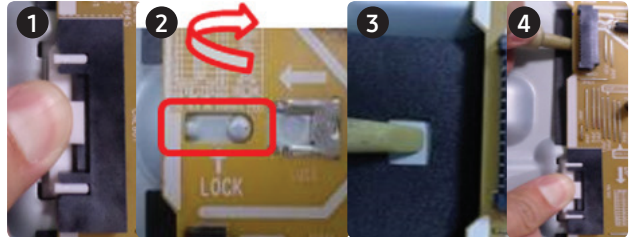
Description & Screws	Picture Description
1 Remove power cord and connections and place the TV down onto a protected surface.	
2 [ASSY STAND > ASSY STAND P-COVER TOP (R/L)] Remove the ASSY STAND P-COVER TOP (R/L). 1 Remove by pulling in the direction of the arrow.	

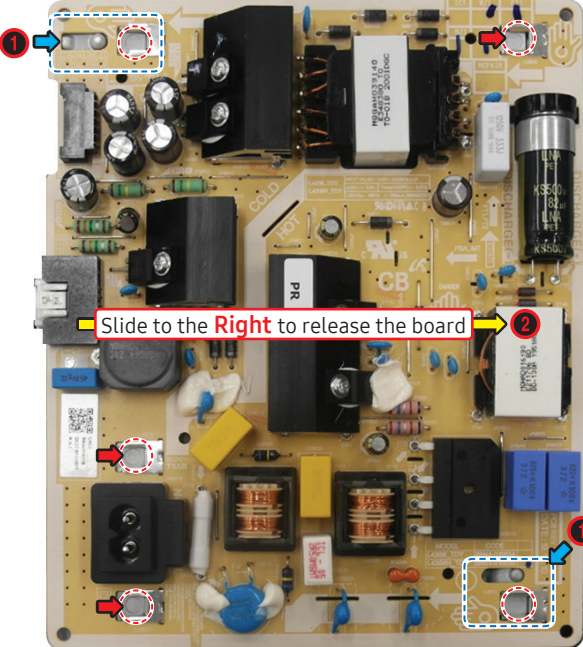
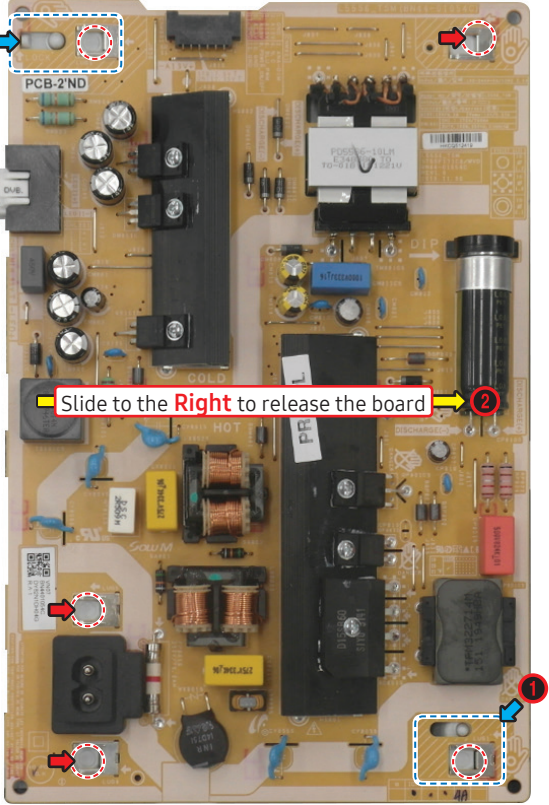
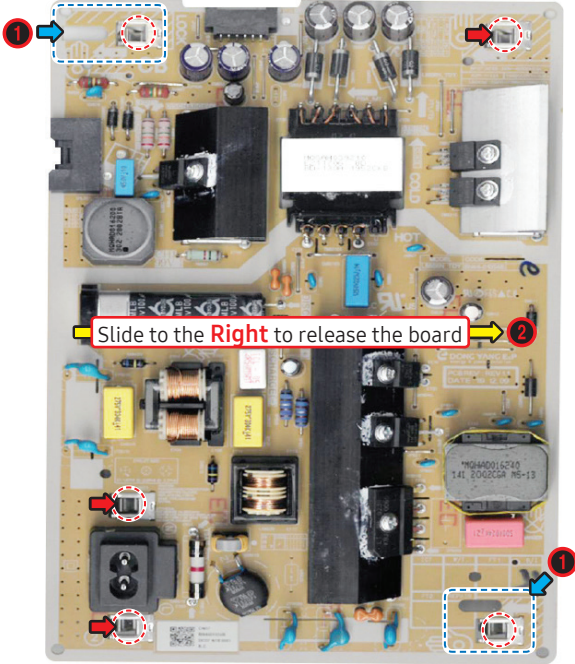
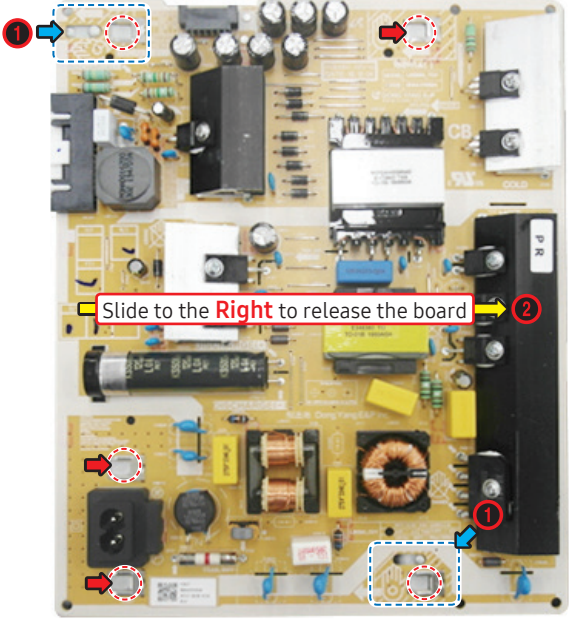
Description & Screws	Picture Description
3 [ASSY COVER REAR] Remove the ASSY COVER P-REAR. Open Jig: Direction and order Assembly Misc P-jig-2017  BN81-14946A 1 Insert the Open Jig completely into the tab (slot) of the rear cover's left side bottom corner to release. 2 Insert new longer Tip second tool on bottom left side at designated (●) about 2 inches from the bottom, then insert fully while angling tool and proceeding to open cover up left side to the Top. 3 Insert Open Tool in bottom right corner tab (slot) to release. 4 Insert second tool on bottom right side designated (●) while angling tool and proceeding to open cover up right and across the top.	Picture Description  Jig Direction (←---)      

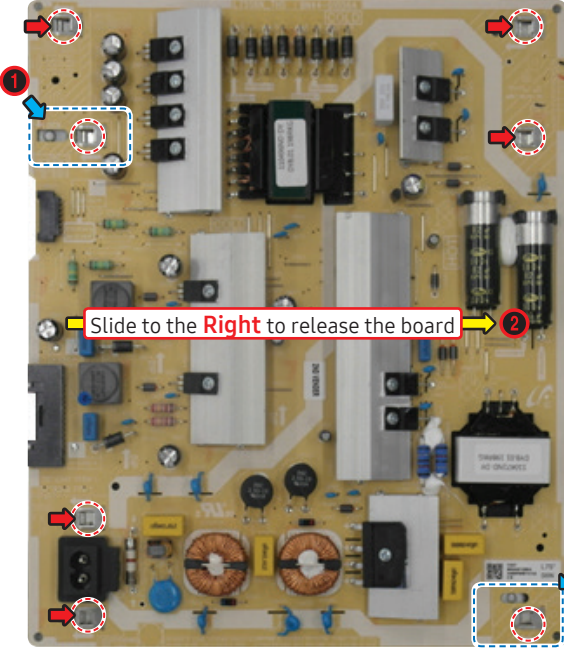
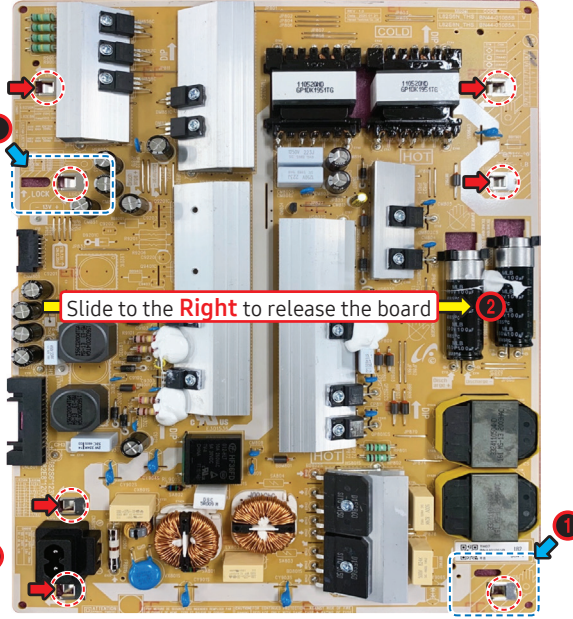
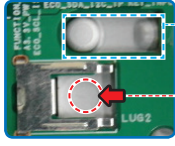
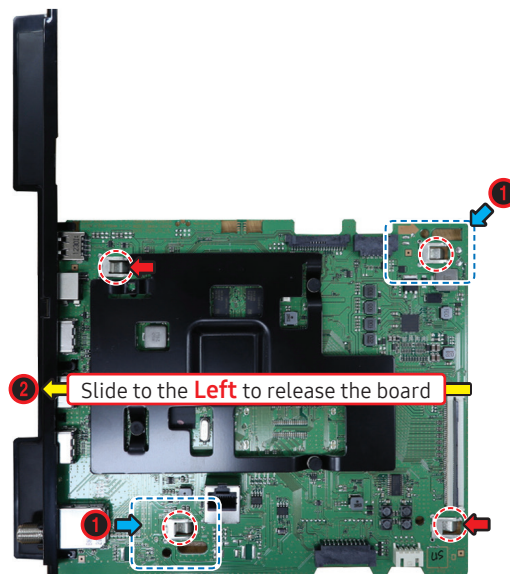
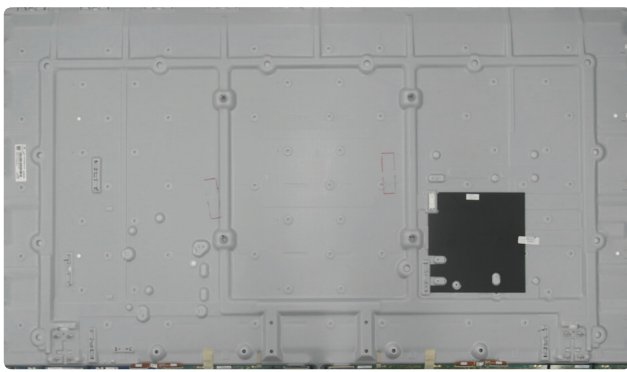
Description & Screws	Picture Description
5 Gently lift up the rear cover from the top middle. 6 Gently lift up the Rear Cover starting at the top being careful of function assembly at the bottom.	 
4 For safety reasons, discharge the SMPS before disassembling the TV. 1 You have to discharge the SMPS by using service JIG across leads of Large Capacitors as pictured. Service Jig-Capacitor Discharge  BN81-16292A  NOTE The DC VSS-PD BOARD specification depends on the model and region. 2 If LED ON ➤ LED OFF discharge is completed. Then verify voltage is less than 5 Vdc across leads with Volt Meter.	  <Before discharging> <After discharging>

Description & Screws	Picture Description
Measurement point	
 A photograph of a yellow printed circuit board (PCB) with various electronic components. A yellow dashed rectangle highlights a group of three electrolytic capacitors in the upper left quadrant. A red dashed rectangle highlights a large black electrolytic capacitor in the upper right quadrant.	 A photograph of a yellow PCB, similar to the one on the left. A yellow dashed rectangle highlights a group of three electrolytic capacitors in the upper left quadrant. A red dashed rectangle highlights a large black electrolytic capacitor in the upper right quadrant.
43 inches	50/55 inches
 A photograph of a yellow PCB. A yellow dashed rectangle highlights a group of three electrolytic capacitors in the upper left quadrant. A red dashed rectangle highlights a large black electrolytic capacitor in the upper right quadrant.	 A photograph of a yellow PCB. A yellow dashed rectangle highlights a group of three electrolytic capacitors in the upper left quadrant. A red dashed rectangle highlights a large black electrolytic capacitor in the upper right quadrant.
58 inches	65 inches

Description & Screws	Picture Description
 70/75 inches	 82/85 inches
5 [ASSY SHIELD > ASSY SHIELD-CONNECTOR/FUNCTION] Remove the ASSY SHIELD-CONNECTOR/FUNCTION. ➡ LEAD CONNECTOR-SUB ASSY (20 Pin)	  LEAD CONNECTOR-SUB ASSY (20 Pin) NETWORK-WLAN CLIENT
6 [ASSY SHIELD > ASSY SPEAKER P-FRONT] Remove the ASSY SPEAKER P-FRONT. ❶ Remove the cable from ASSY PCB MAIN. ❷ Remove from the displayed Panel Hole. ● : Assy SPK to Panel Hole 4 Points	 Panel Hole 4 point

Description & Screws	Picture Description
7 [ASSY SHIELD > CABLES] Remove the Cables. ➡ LEAD CONNECTOR-POWER (12 Pin) ➡ FFC CABLE (96 Pin)	
8 [ASSY SHIELD > DC VSS-PD BOARD] Remove the DC VSS-PD BOARD. ❶ Push and hold down BLU connector tab to release it's panel lock connection. ❷ Lift to release the lock tab on upper left side of Board. (Step 4 will assist) Gently lift the edge to unlock the SMPS board.  ❸ Locate a notch in insulation sheet. (not all models) ❹ Use Open Jig in notch to help release & smoothly slide SMPS to the Right. (While pushing BLU Tab & Releasing Lock Tab).	 

Description & Screws	Picture Description
1  Lift up  Mounting slots / 2  Sliding direction	
 Slide to the Right to release the board 	 Slide to the Right to release the board 
43 inches	50/55 inches
 Slide to the Right to release the board 	 Slide to the Right to release the board 
58 inches	65 inches

Description & Screws	Picture Description
 Slide to the Right to release the board 70/75 inches	 Slide to the Right to release the board 82/85 inches
9 [ASSY CHASSIS > ASSY PCB MAIN] Remove the ASSY PCB MAIN. 1 Gently lift up to release the lock.  1 Lift up (2EA) Locking ← 1 Mounting slots (4EA) Fixing Hole → 2 Use both hands to hold the board and slide to the Left to release the board.	 Slide to the Left to release the board
10 Completed the disassembly.	



NOTE

- Reassembly procedures are in the reverse order of disassembly procedures.