

3. Disassembly & Reassembly

3-1 Overall Disassembly & Reassembly

⚠ Notice

- Be sure to separate the power cord before disassembling the unit.
- Discharge the capacitors first when separating PCB's with high capacity capacitors such as SMPS, X Main Board, Y Main Board, etc. (A spark may be generated by the electric charge, and there is danger of electronic shock.)
- Check that the cables are properly connected referring to the circuit diagram when disassembling or assembling the unit taking care not to damage the cables.
- Take care not to scratch the Glass Filter in the front.
- Assemble the boards in the reverse order of the disassembly.
- The plasma must be layed down on a flat padded surface for disassembly and reassembly.

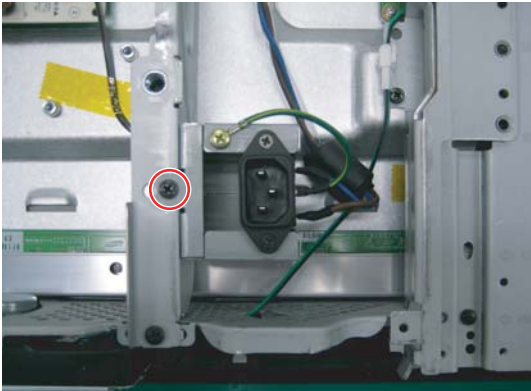

3-1-1 Separation of ASSY COVER P-REAR

Part Name	Description	Description Photo
Cover Rear	<p>① Remove 4 screws. (□) : M8,L16,ZPC(BLK),SWRCH18A,WP</p> <p>② Remove 11 screws. (○) : BH,+,B,M4,L3,ZPC(BLK)</p> <p>③ Remove 6 screws. (○) : PH,+,WSP,S,M4,L35,ZPC(BLK)</p> <p>④ Remove 3 screws. (○) : BH,+,S,M4,L10,ZPC(BLK)</p> <p>⑤ Remove the Cover Rear.</p> <p>⚠: Please lay the PDP unit face down on a soft surface when removing the stand.</p>	





3-1-2 Separation of ASSY PCB MISC-MAIN

Part Name	Description	Description Photo
Main Board	<p>① Detach all connectors from the Main Board.</p> <p>② Remove 6 screws. : PH,+,WWP,M3,L8,NI PLT</p> <p>③ Remove the Main Board.</p>	











3-1-3 Separation of FILTER-EMI AC LINE

Part Name	Description	Description Photo
FILTER-EMI AC LINE	<ol style="list-style-type: none"> ① Detach connector from Main SMPS. ② Remove 1 screws. (○) : BH,+,S,M4,L10,ZPC(BLK) ③ Remove FILTER-EMI AC LINE. 	 

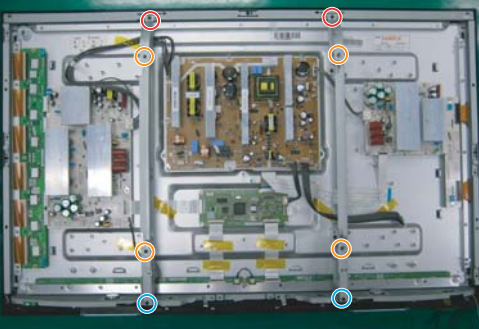



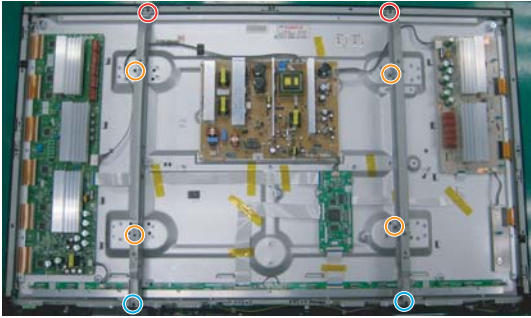



3-1-4 Separation of BRACKET-PCB

Part Name	Description	Description Photo
Bracket PCB	<ol style="list-style-type: none"> ① Remove 2 screw. (○) : BH,+,B,M4,L3,ZPC(BLK) ② Remove 1 screws. (○) : BH,+,S,M4,L10,ZPC(BLK) ③ Remove 1 screws. (○) : BH,+,S,M4,L10,ZPC(BLK) ④ Remove the BRACKET-PCB. 	   

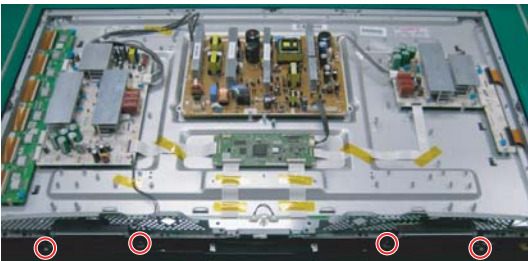

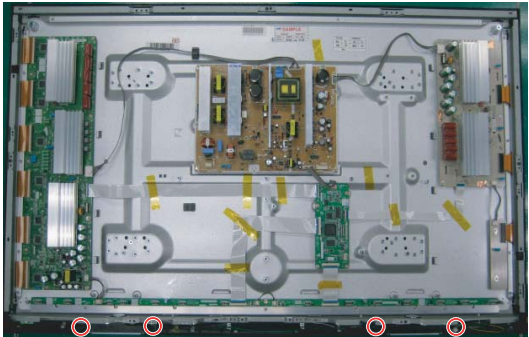
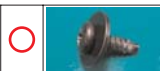
3-1-5 Separation of BRACKET-PCB

Part Name	Description	Description Photo
Bracket PCB	<p>① Remove 2 screw. (○) : BH,+,B,M4,L3,ZPC(BLK)</p> <p>② Remove 2 screws. (○) : BH,+,S,M4,L10,ZPC(BLK)</p>	 <div>   </div> <div>   </div>
	<p>① Remove 2 screws. (○) : BH,+,S,M4,L10,ZPC(BLK)</p> <p>② Remove 2 screws. (○) : BH,+,S,M4,L10,ZPC(BLK)</p>	 <div>   </div> <div>   </div>



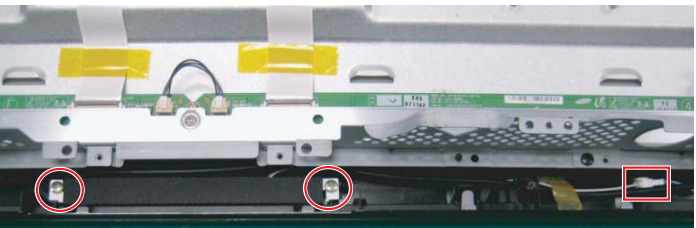

3-1-6 Separation of ASSY BRACKET P-WALL

Part Name	Description	Description Photo
42" Wall Bracket	<p>① Remove 2 screws. (○) : BH,+,B,M4,L3,ZPC(BLK)</p> <p>② Remove 2 screws. (○) : BH,+,S,M4,L10,ZPC(BLK)</p> <p>③ Remove 4 screws. (○) : BH,+,S,M4,L10,ZPC(BLK)</p> <p>④ Remove Wall Bracket.</p> <p>⚠: Please lay the PDP panel face down on a soft surface when separating front cover.</p>	   
50" Wall Bracket	<p>① Remove 2 screws. (○) : BH,+,B,M4,L3,ZPC(BLK)</p> <p>② Remove 2 screws. (○) : BH,+,S,M4,L10,ZPC(BLK)</p> <p>③ Remove 4 screws. (○) : BH,+,S,M4,L10,ZPC(BLK)</p> <p>④ Remove Wall Bracket.</p> <p>⚠: Please lay the PDP panel face down on a soft surface when separating front cover.</p>	   

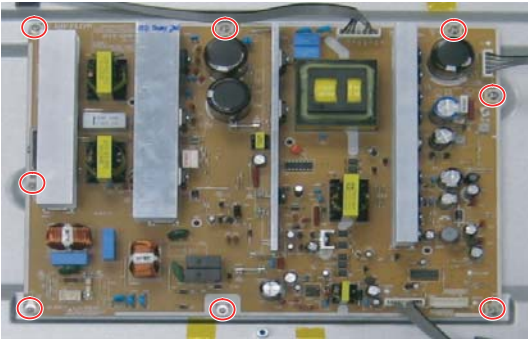

3-1-7 Separation of ASSY SPEAKER P

Part Name	Description	Description Photo
42" Speaker	① Remove 4 screws. : BH,+,WP,B,M4.0,L3,ZPC(BLK), SWRCH18A ② Remove the Speaker.	 
50" Speaker	① Remove 4 screws. : BH,+,WP,B,M4.0,L3,ZPC(BLK), SWRCH18A ② Remove the Speaker.	 



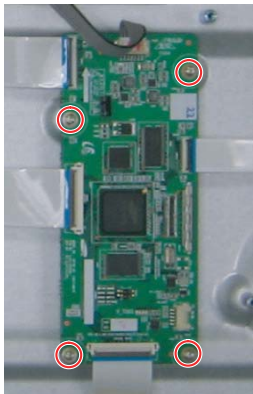

3-1-8 Separation of ASSY BLUE P

Part Name	Description	Description Photo
42"	① Detach all connectors from the Assy Blue p.	 
50"	① Detach all connectors from the Assy Blue p.	 

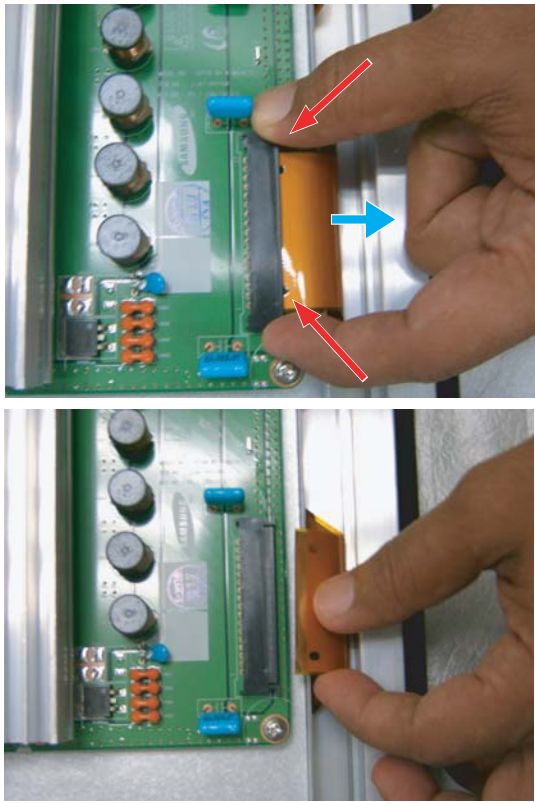
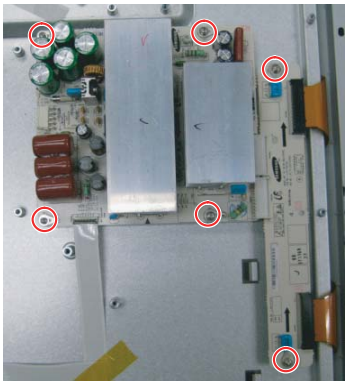
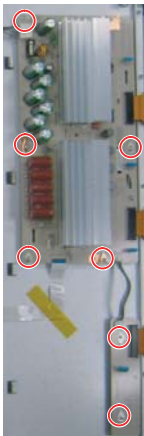
3-1-9 Separation of SMPS-PDP TV

Part Name	Description	Description Photo
42"/50" SMPS	<ol style="list-style-type: none"> ① Detach all connectors from the SMPS. ② Remove 8 screws. : PH,+,WWP,M3,L8,NI PLT ③ Remove the SMPS. <p>⚠: Wear gloves when handling the power board as there may be some remaining electrical charge in the capacitor. Specifically, avoid touching any part of the capacitor.</p>	 

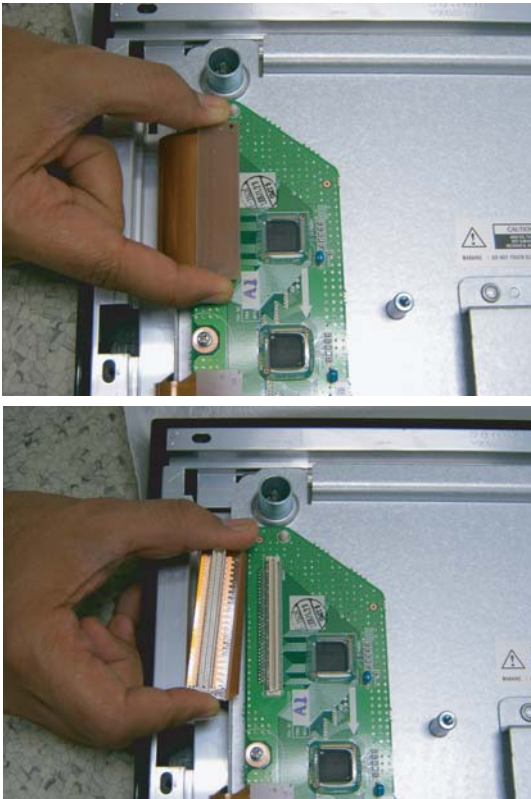


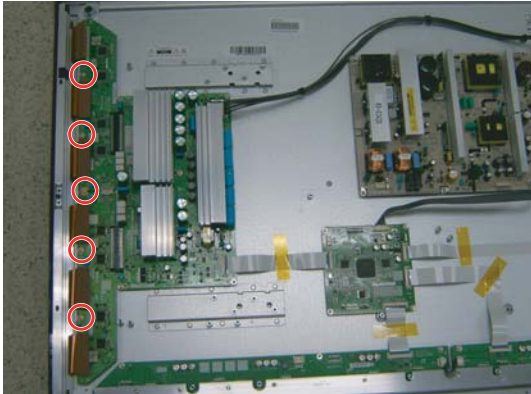

3-1-10 Separation of ASSY PDP MODULE P-LOGIC MAIN BOARD

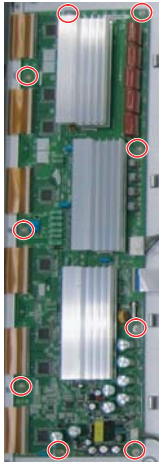

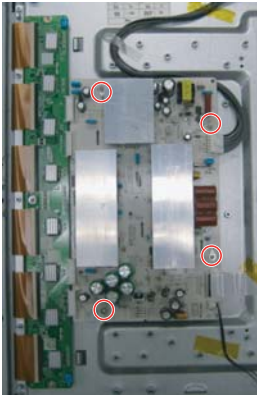

Part Name	Description	Description Photo
42" Logic Board	<ol style="list-style-type: none"> ① Detach all connectors from the Logic Main Board. ② Remove 4 screws. : WSP,PH,+,M3,L8,NI PLT ③ Remove the Logic Main Board. 	 
50" Logic Board	<ol style="list-style-type: none"> ① Detach all connectors from the Logic Main Board. ② Remove 4 screws. : WSP,PH,+,M3,L8,NI PLT ③ Remove the Logic Main Board. 	 

3-1-11 Separation of ASSY PDP MODULE P-X MAIN BOARD

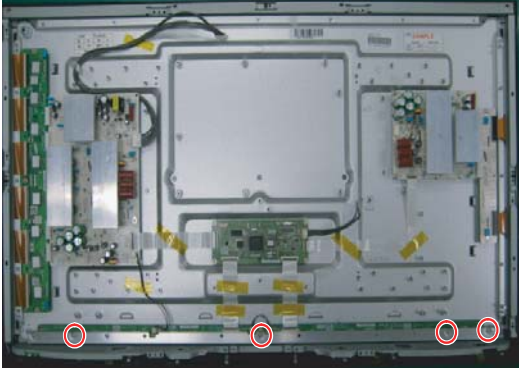

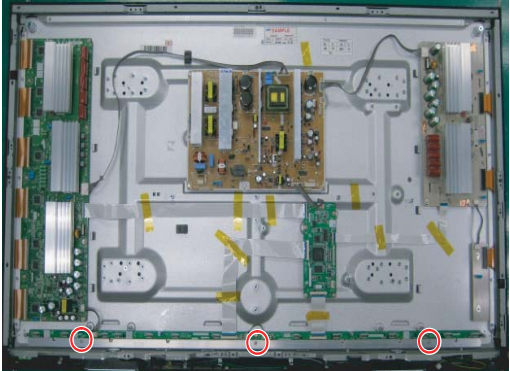

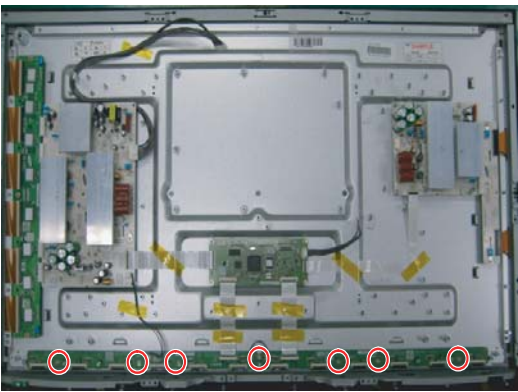

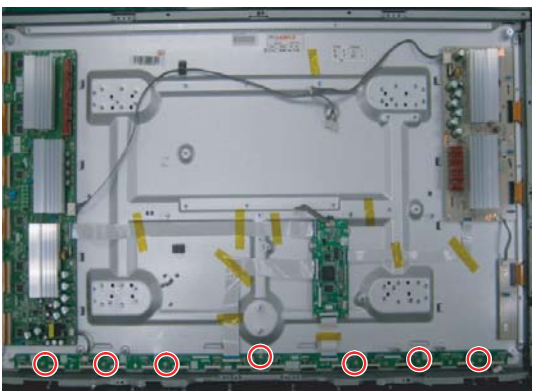

Part Name	Description	Description Photo
Flat Cable	<p>① Detach all Connectors from the X-Main Board.</p> <p>※ To separate the Flat Cable of the X-Board, press the upper and the lower sides of the connector.</p>	
42" X-Main Board	<p>① Remove 6 screws. : PH,+,WWP,M3,L8,NI PLT</p> <p>② Remove the X-Main Board.</p>	
50" X-Main Board	<p>① Remove 7 screws. : PH,+,WWP,M3,L8,NI PLT</p> <p>② Remove the X-Main Board.</p>	

3-1-12 Separation of ASSY PDP MODULE P-Y MAIN BOARD


Part Name	Description	Description Photo
Flat Cable	① Detach the 6 scan board connectors from the panel by pulling the holder from both the top and bottom ends.	
42" Y-Scan Board	① Remove 3 screws. : PH,+,WWP,M3,L8,NI PLT	 
50" Y-Scan Board	① Remove 5 screws. : PH,+,WWP,M3,L8,NI PLT	 

Part Name	Description	Description Photo
50" Y-Main Board	<p>① Remove 9 screws. : PH,+,WWP,M3,L8,NI PLT</p> <p>② Detach all connectors from the Y-Main Board.</p>	 
42" Y-Main Board	<p>① Remove 4 screws. : PH,+,WWP,M3,L8,NI PLT</p> <p>② Detach all connectors from the Y-Main Board.</p>	 

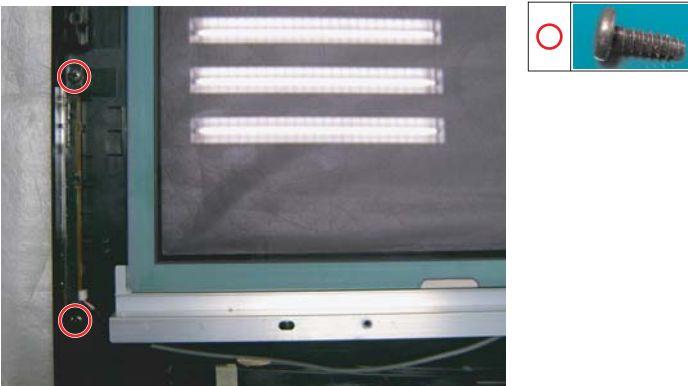
3-1-13 Separation of ASSY PDP MODULE P-ADDRESS BUFFER BOARD

Part Name	Description	Description Photo
42" Still Bar	① Remove 4 screws. : PH,+,WWP,M3,L8,NI PLT ② Remove the Still Bar.	 
50" Still Bar	① Remove 3 screws. : PH,+,WWP,M3,L8,NI PLT ② Remove the Still Bar.	 
42" Buffer Board	① Detach the all connectors from the buffer board. ② Remove 7 screws. : PH,+,WWP,M3,L8,NI PLT ③ Remove the E-Board and F-Board.	 
50" Buffer Board	① Detach the all connectors from the buffer board. ② Remove 7 screws. : PH,+,WWP,M3,L8,NI PLT ③ Remove the E-Board and F-Board.	 

3-1-14 Separation of ASSY PANEL BRACKETS

Part Name	Description	Description Photo
Panel Brackets	<p>① Remove 4 screws. (○) : BH,+,B,M4,L3,ZPC(BLK)</p> <p>② Remove 3 screws. (○) : BH,+,S,M4,L10,ZPC(BLK)</p> <p>③ Remove the Side Panel Brackets.</p>	

3-1-15 Separation of ASSY PCB FUNCTION

Part Name	Description	Description Photo
Function Board	<p>① Remove 2 screws. : BH,+,B,M4,L3,ZPC(BLK)</p> <p>② Remove the Function Board.</p>	

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