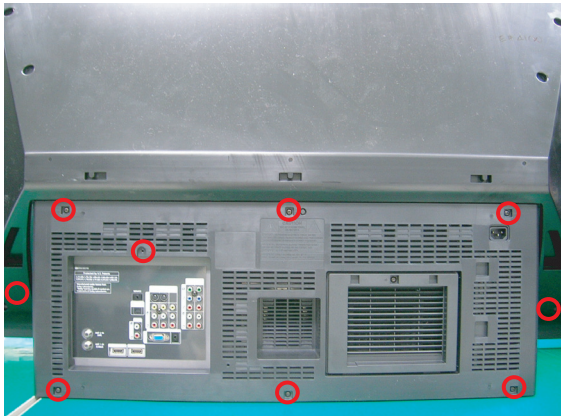
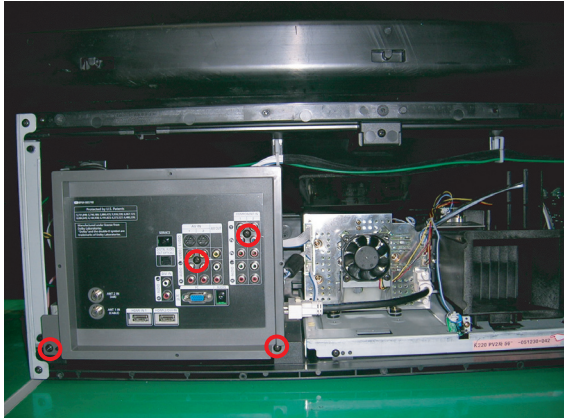
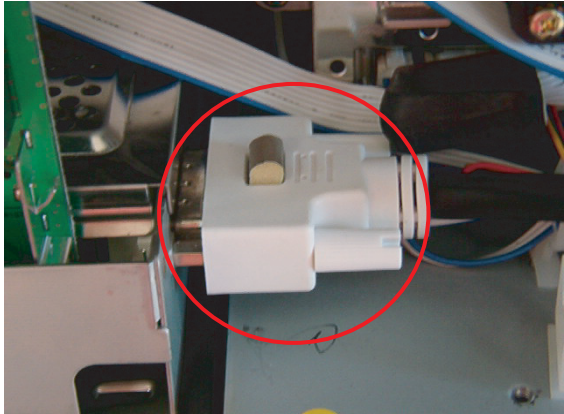
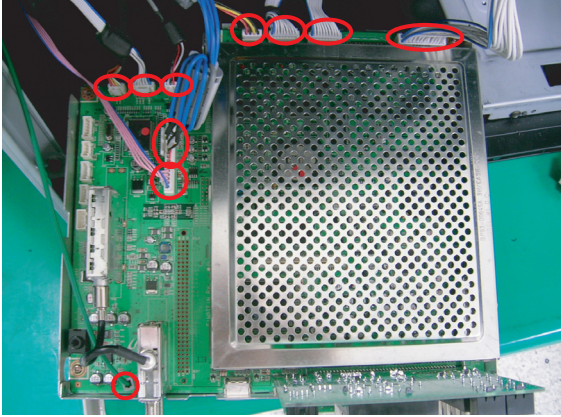


## 12. Disassembly & Reassembly

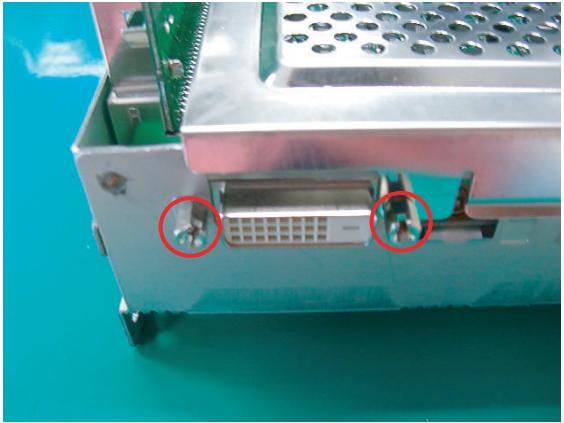
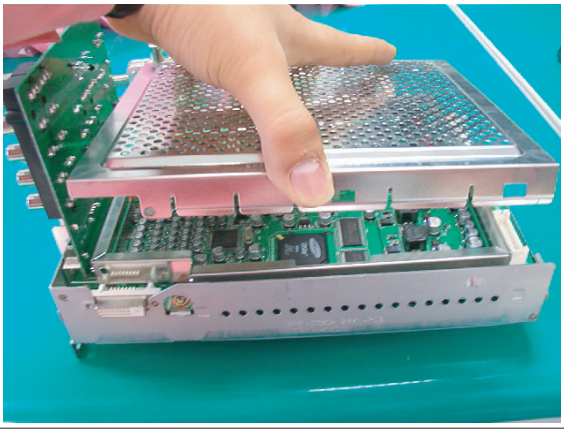
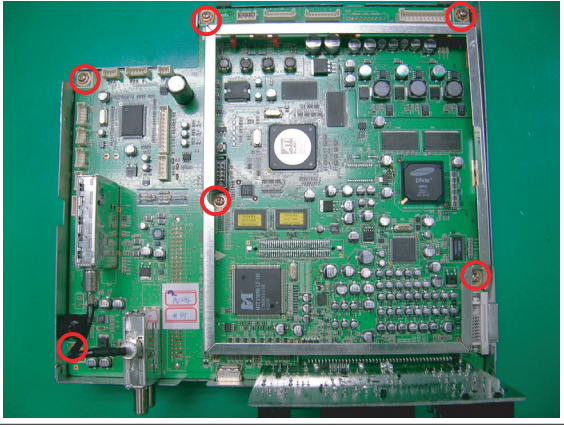
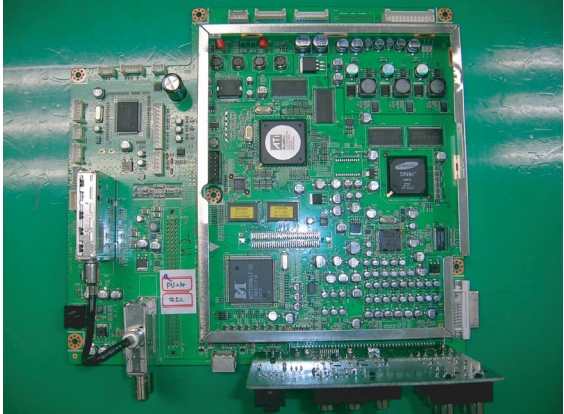
### 12-1 Overhaul Disassembly & Reassembly

#### 12-1-1 Separation of the back cover and the chassis

Part Name	Description	Description Photo
Back Cover	<p>① Remove 9 screws to remove the back bottom cover. : TH,B,M4.L15,BLK,SWRCH18A</p>	
Terminal Board	<p>① Loosen and remove the 4 screws on the terminal board and jack.</p> <p>* The 4 Terminal Board Screws. : TH,B,M4.L15,BLK,SWRCH18A</p>	
Holder Chassis	<p>① Separate the DVI cable.</p> <p>⚠ Notice: The DVI screw is made of soft plastic and may easily break when applying excessive force through a screw driver. Ensure that extreme caution is taken when loosening the screw.</p>	

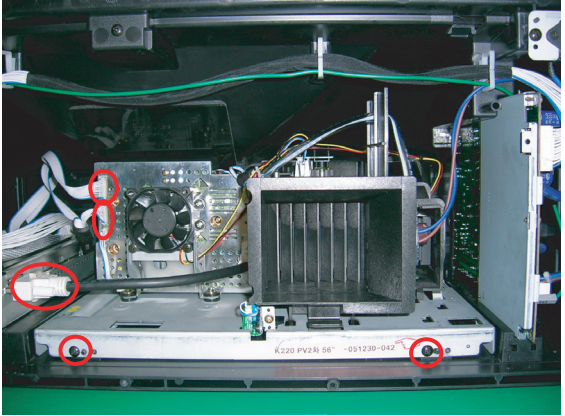
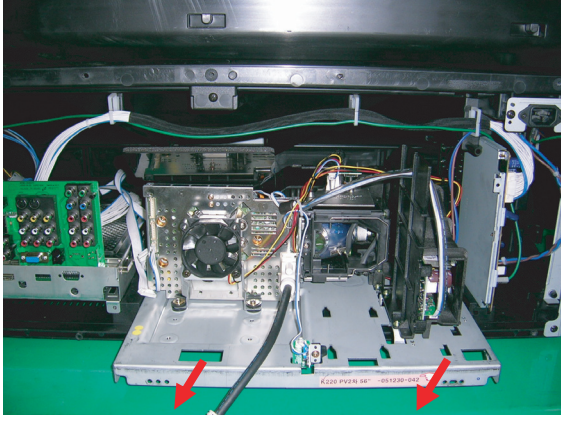
Part Name	Description	Description Photo
Holder Chassis	<ol style="list-style-type: none"><li data-bbox="305 207 529 233">① Seperate the Gt-wires.</li><li data-bbox="305 264 509 289">② Seperate 10 cables.</li></ol>	

## 12-1-2 Separation of the Main Board.

Part Name	Description	Description Photo
Main Board	<p>① Remove the 2 standoffs. StandOff : M3,L5,Ni PLT,SUM24L,#4-40</p> <p>⚠ Notice: The standoff may easily break through applying excessive force. Ensure that extreme caution is taken.</p>	
	<p>① Remove the Top Shield Case.</p>	
	<p>① Remove the 6 screws before removing the shield case at the bottom. : PWH,B,M3,L10,ZPC(YEL),SWRCH18A</p>	
	<p>① Main Board.</p>	

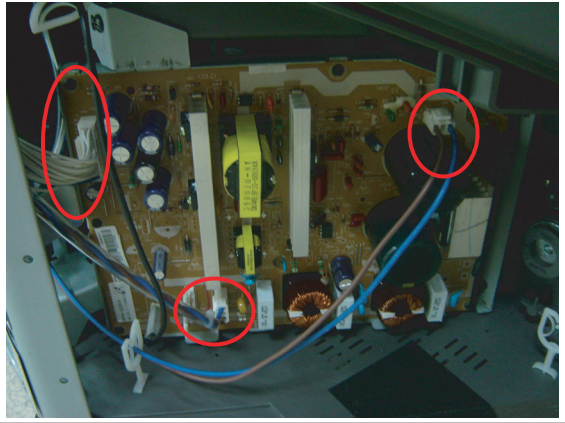
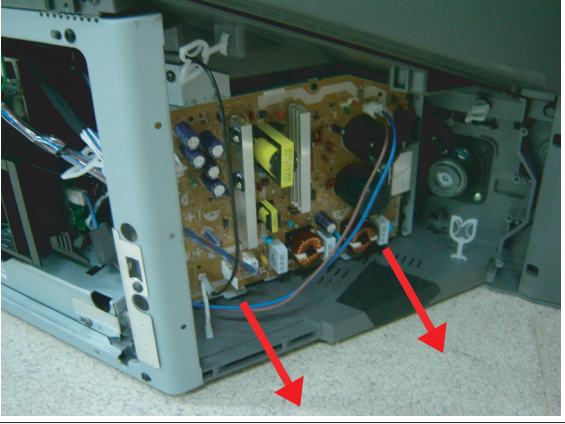
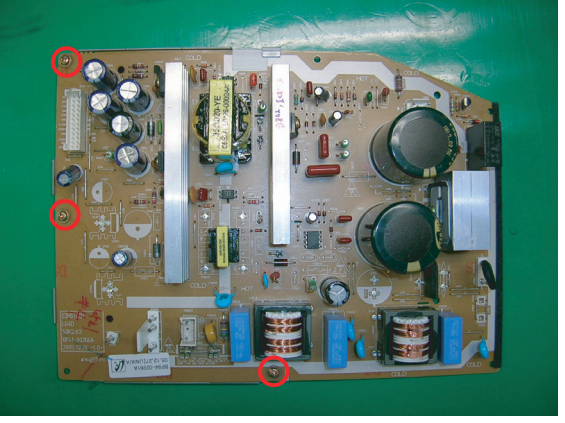
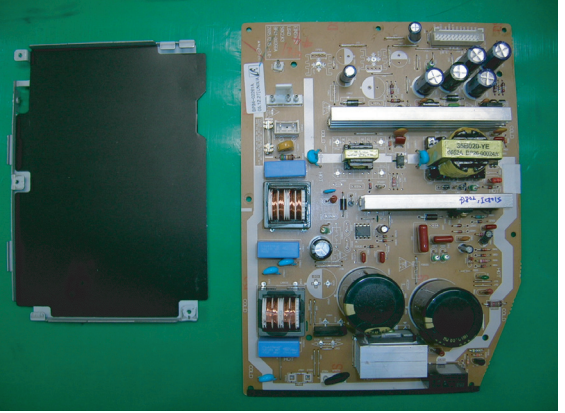


### 12-1-3 Separation of the Optical Engine

Part Name	Description	Description Photo
Optical Engine	<p>① Remove the 3 cables and the 2 screws. : TH,B,M4.L15,BLK,SWRCH18A</p>	
	<p>① Remove the engine by pulling it out of the cabinet.</p> <p>⚠ : Be careful when removing the Light Engine as it may get caught up by the upper cable of the case.</p>	



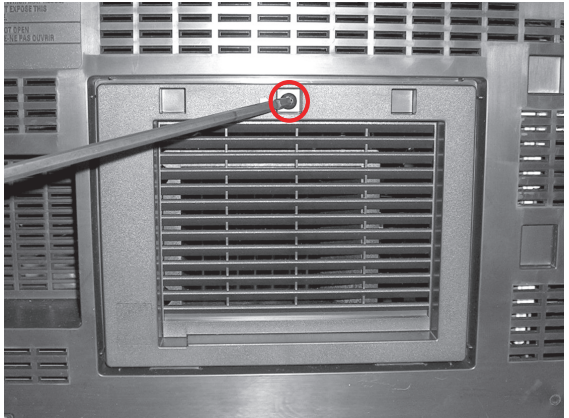
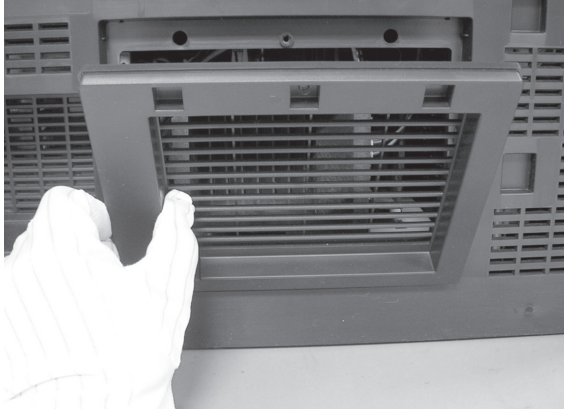
### 12-1-4 Separation of the Power Board

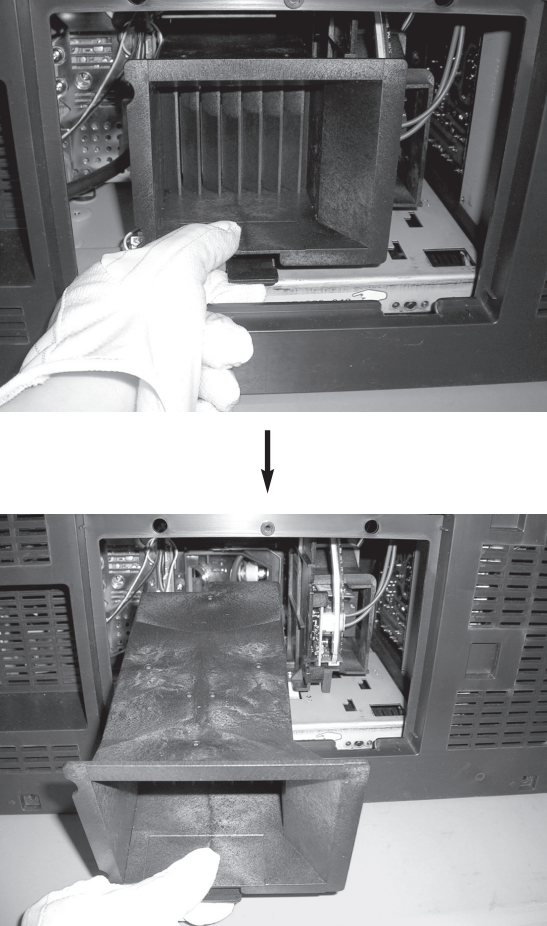
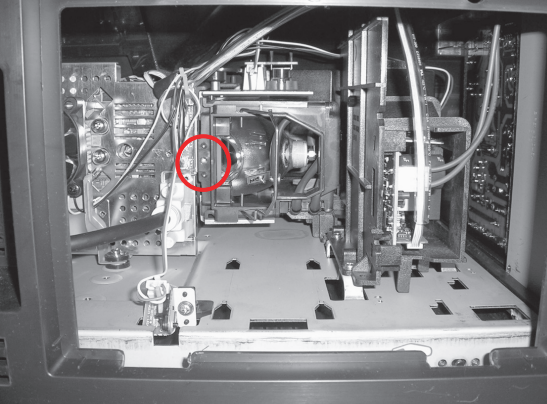
Part Name	Description	Description Photo
Power Board	<p>① Remove the 3 cables at the SMPS.</p>	
	<p>① Pull out the SMPS.</p>	
	<p>① Remove the 3 screws and separate the assy.</p>	 

## 12-1-5 Lamp Replacement

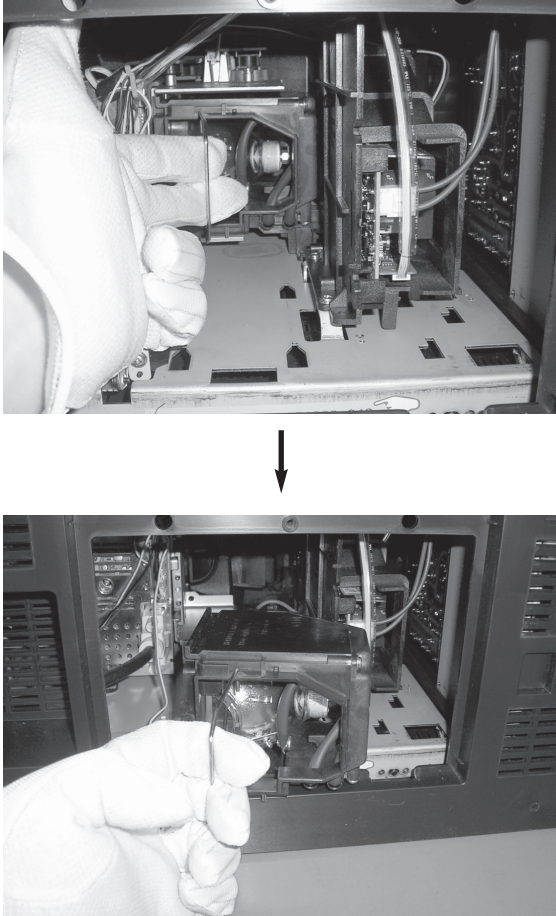
⚠ Notice

1. Replace with the correct code numbered lamp to avoid damage to the TV.
2. Turn the power off and wait for 30 minutes before replacing the lamp as it will be hot.
3. Do not touch the glass part of the lamp with your bare hands nor insert any foreign object inside the cover as it may cause poor screen quality, electric shock or fire.
4. Do not place the old lamp near flammable objects or within the reach of children.
5. Be sure to connect this TV directly to an AC wall outlet. If the TV's AC plug is connected to a cable box or other source, it will not allow for proper cool down time.

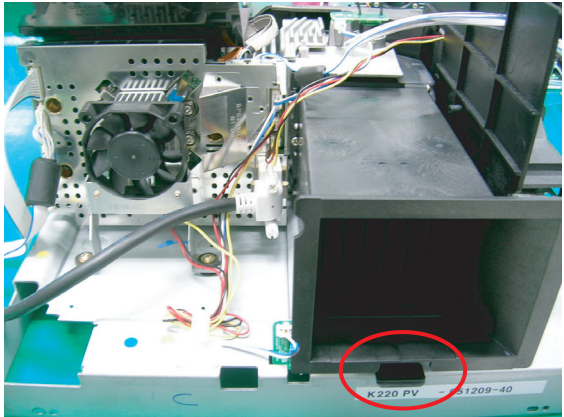
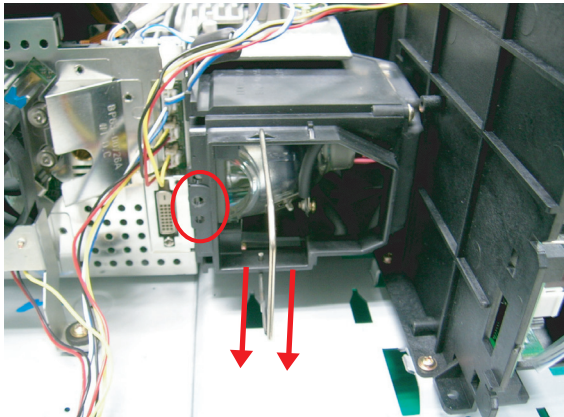
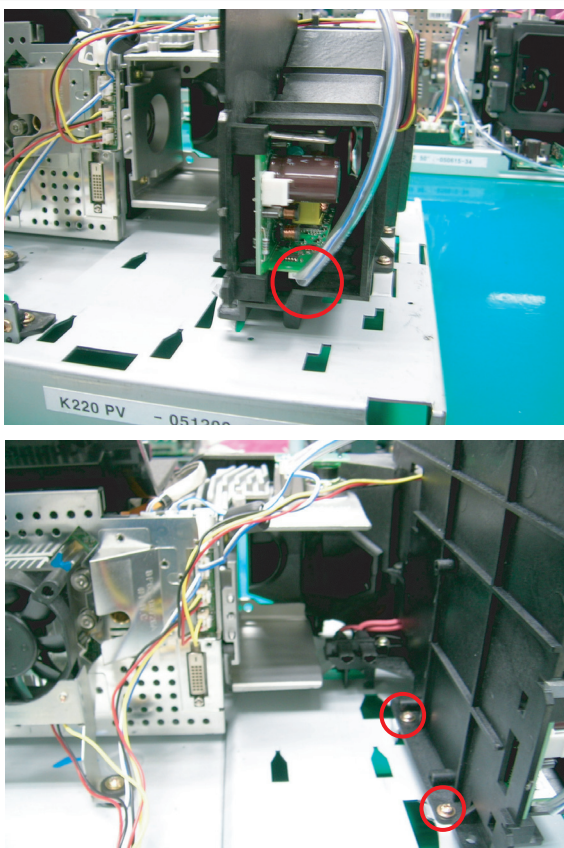
Part Name	Description	Description Photo
Lamp	① Unplug TV, then use a screwdriver to remove the screws.	
	① Remove the Lamp cover.	

Part Name	Description	Description Photo
Lamp	① Remove the Lamp cover duct holding the word clip and pulling it out.	
	① Remove the screw securing the Lamp by using a screwdriver.	



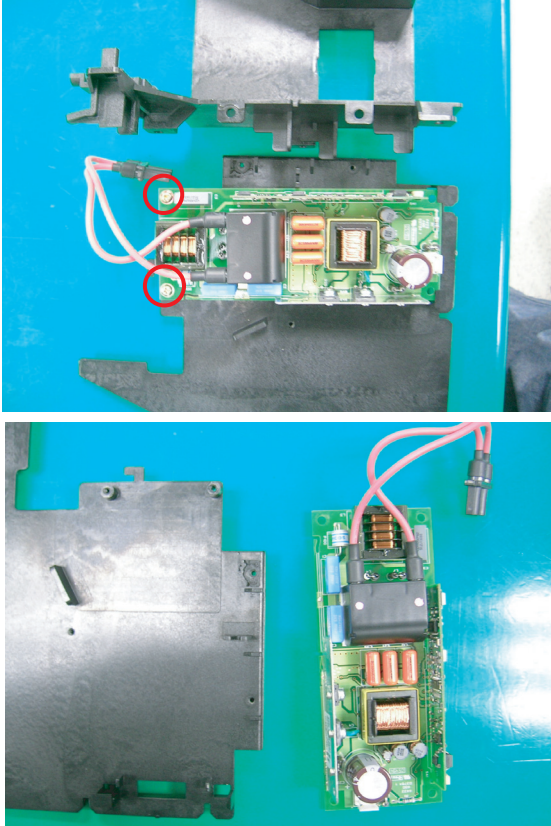
Part Name	Description	Description Photo
Lamp	① Separate the Lamp from the engine by holding the handle and pulling it out.	

### 12-1-6 Ballast Replacement

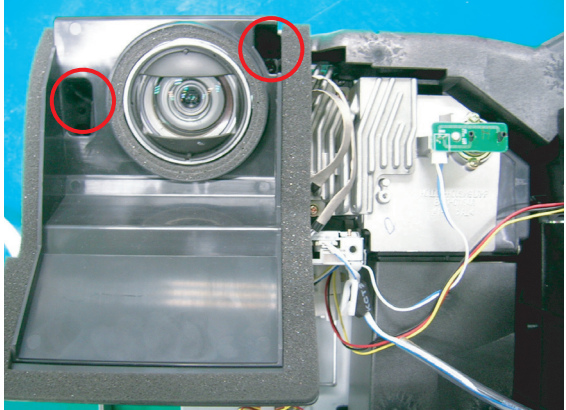
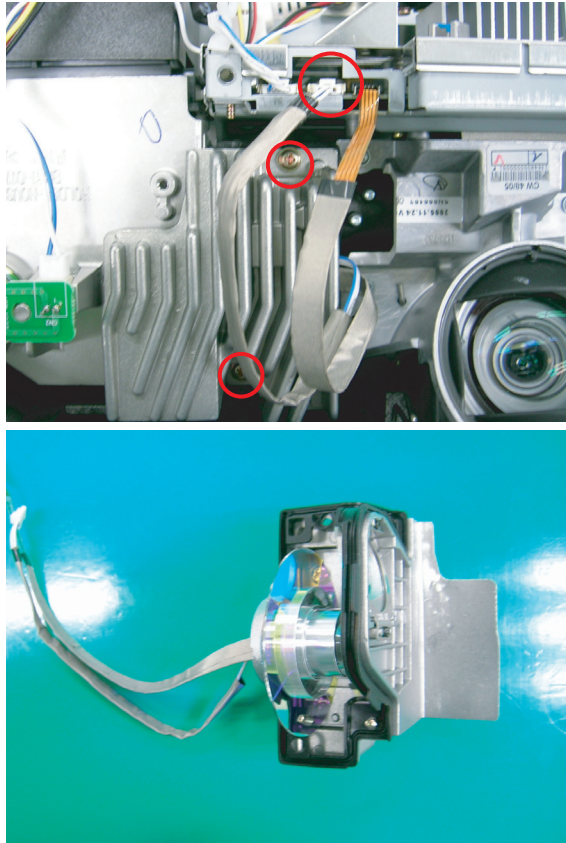
Part Name	Description	Description Photo
Ballast Board	① Remove the lamp cover duct.	
	① Remove 1 screw and pull out the lamp holder.	
	① Remove 1 cable and 4 screws.	

Part Name	Description	Description Photo
Ballast Board		
	<p>① Remove 3 screws and take off the ballast cover.</p>	

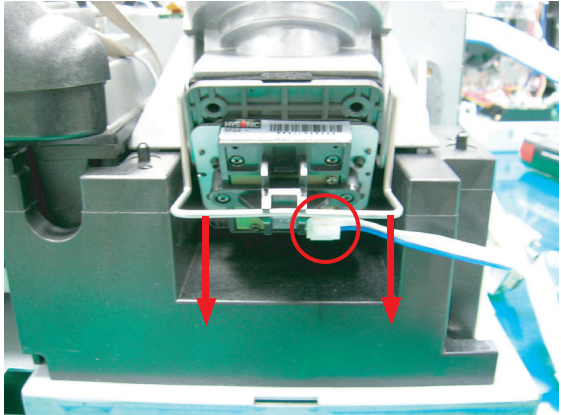


Part Name	Description	Description Photo
Ballast Board	① Remove 2 screws and pull out the assy.	 <p>The top photograph shows a green printed circuit board (PCB) mounted inside a dark metal housing. Two screws are circled in red, indicating they are to be removed. The board features various electronic components, including a transformer, capacitors, and a small black component. A red and white cable is connected to the board. The bottom photograph shows the same green PCB removed from the metal housing, lying on a blue surface. The housing is shown to the left of the board, and the red and white cable is still attached to the board.</p>

### 12-1-7 Color Wheel Ass'y Replacement

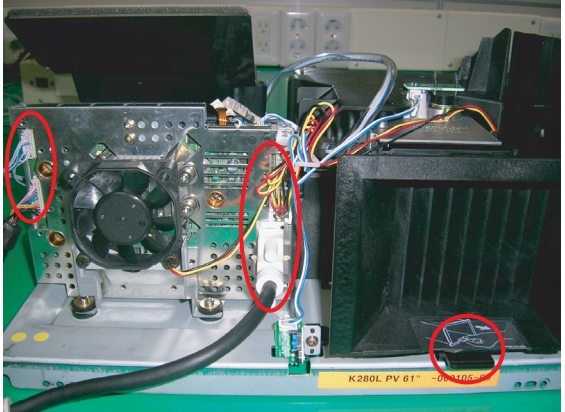
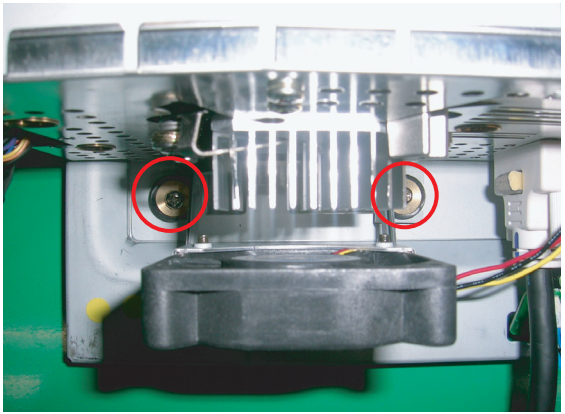
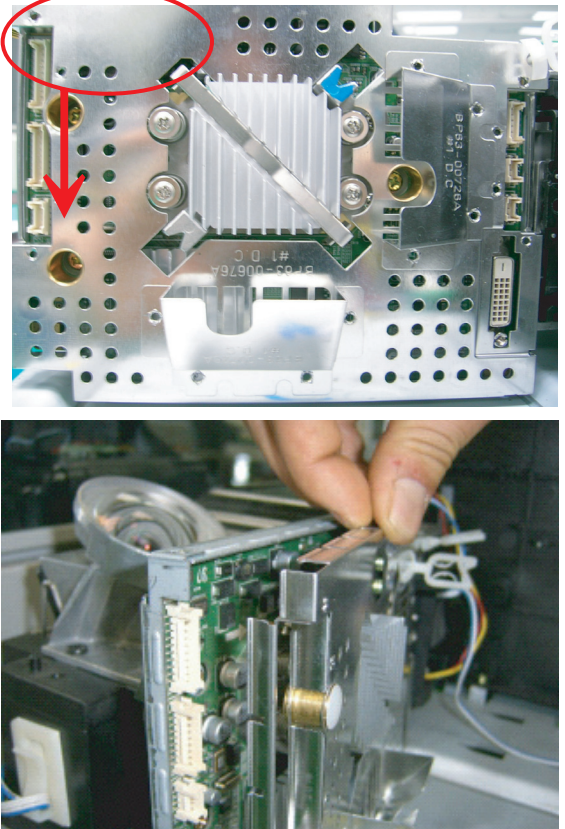
Part Name	Description	Description Photo
Color Wheel	① Remove 2 screws. (L620 doesn't have the cover color wheel.) : WSP,PH,+,M3,L8,ZPC(YEL),SW	
	① Remove 2 cables and 2 screws. And Pull out the color wheel ass'y.	

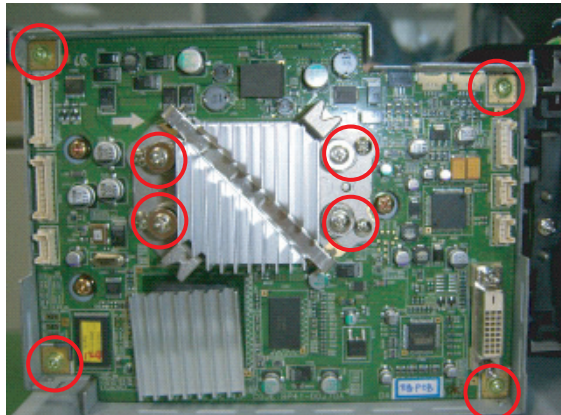
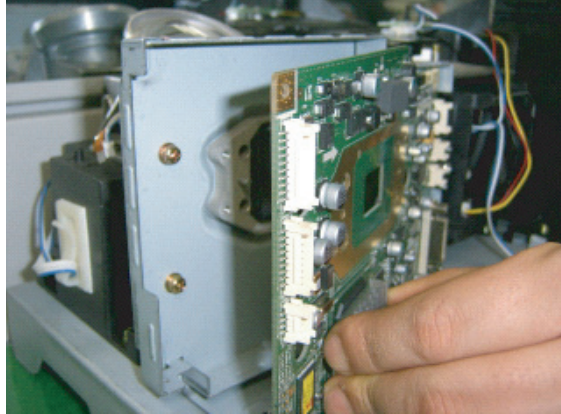
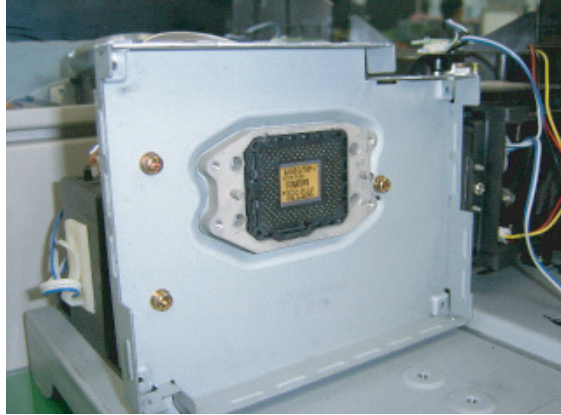
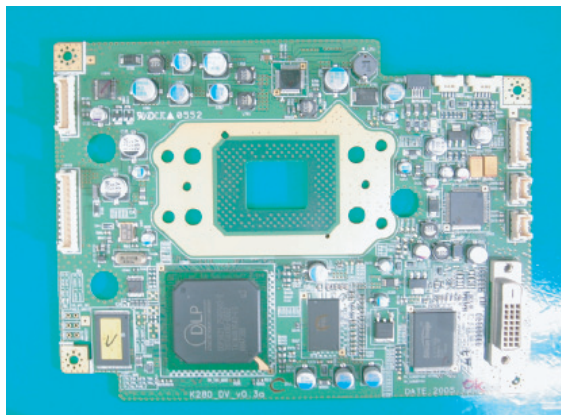
**12-1-8 Actuator(Smooth Picture) Replacement**

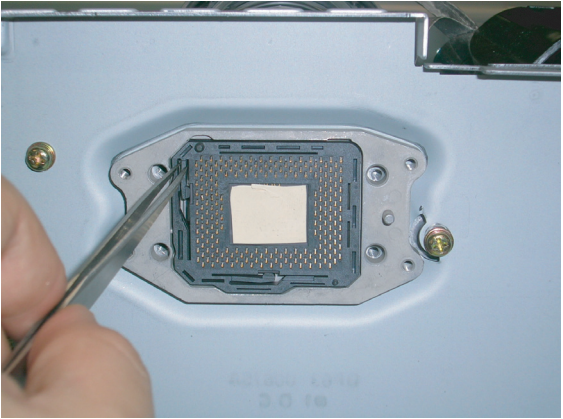
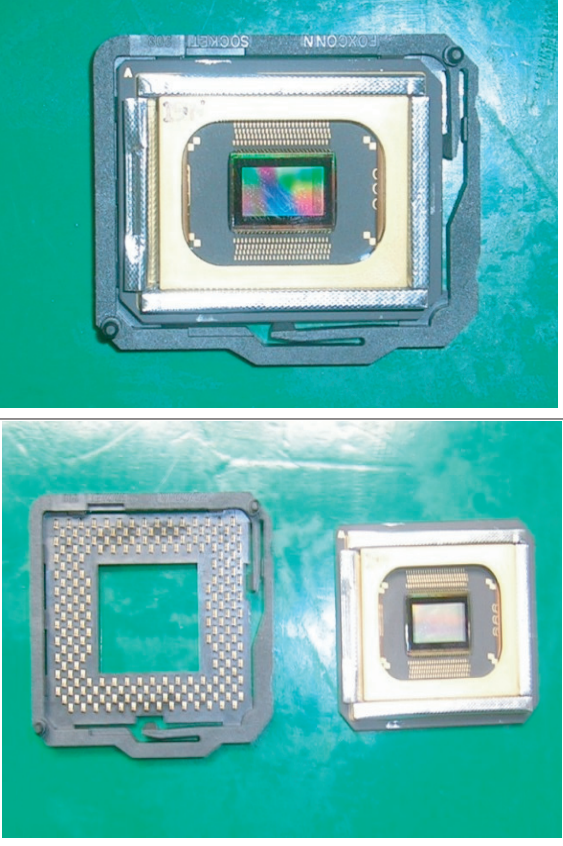
Part Name	Description	Description Photo
Actuator	① Remove the 1 cable and pull down the lever. Take off the Actuator assy.	



### 12-1-9 Separation of the DMD Board




Part Name	Description	Description Photo
DMD Board	① Remove the 7 point cables and lamp cover duct.	 <p>A photograph showing the internal components of a projector. A fan is visible on the left. On the right, a metal duct structure is attached to the main board. Seven specific points where cables and the duct meet are circled in red, indicating they need to be removed.</p>
	① Remove 2 point screws and take off the DMD FAN.	 <p>A close-up photograph of the fan assembly. Two screws that hold the fan to the metal housing are circled in red, indicating they should be removed.</p>
	① Just pull is enough.	 <p>Two photographs showing the final step of disassembly. The top photo shows a hand pulling a metal bracket or fan housing away from the main board; a red circle highlights the connection point, and a red arrow points downwards. The bottom photo shows the DMD board being pulled out of its metal housing, with a hand visible at the top.</p>

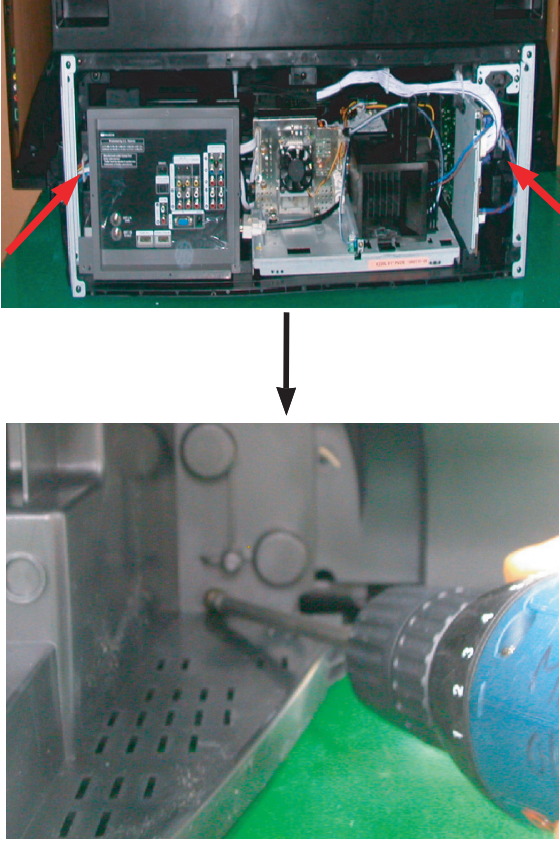
Part Name	Description	Description Photo
DMD Board	① Remove 12 screws.	
	① Pull out the DMD board.	
	① Remove the DMD board.	 

Part Name	Description	Description Photo
DMD Board	<p>① Pull out the DMD panel using by tweezers.</p>	
	<p>① Remove DMD panel carefully.</p>	




## 12-1-10 Separation of the SCREEN


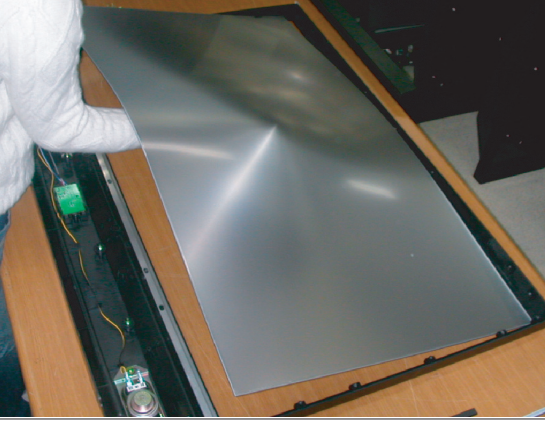
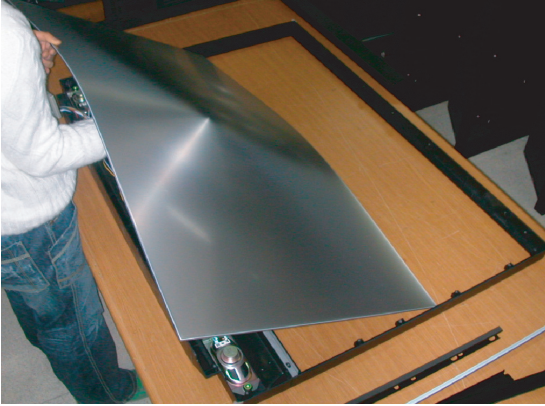
Part Name	Description	Description Photo
Front, Rear	① Set.	
	<p>① Remove 10 screws used for assembling the cover rear, top and cover-front.</p> <p>② Remove 9 screws used for assembling the cover-rear, bot, and cover-main.</p> <p>③ Disassemble the cover-rear and bot.</p>	 

Part Name	Description	Description Photo
	<p>① Disassemble the cover-rear and bot, then remove 2 screws used for assembling the cover-front on the left and right bottom of the cover-main.</p>	

Part Name	Description	Description Photo
Connector	<ol style="list-style-type: none"><li>① Remove 2 screws used for fixing the holder-terminal.</li><li>② Detach the Chassis Assy and disassemble the connector on the part of control.</li></ol>	 <p>The top photograph shows the internal chassis of a device with a terminal block. The bottom photograph shows a hand removing a component from the terminal block.</p>
Front	<ol style="list-style-type: none"><li>① Detach the cover-front from the set.</li></ol>	 <p>The photograph shows the front cover of a device, which is being detached from the set.</p>

Part Name	Description	Description Photo
Brkt-Screen	<p>① Remove the screws used for fixing the brkt. ( 3 on the top, 2 on each left and right, and 5 on the bottom)</p> <p>② Disassemble the brkt. (top, side, and bottom)</p>	 <p>The top photograph shows a person's hands using a blue and black power drill to remove screws from the black metal bracket of a screen. The bracket is attached to a grey screen panel. The bottom photograph shows the person's hands pulling the black metal bracket away from the grey screen panel, demonstrating the disassembly process.</p>



Part Name	Description	Description Photo
Screen	<ol style="list-style-type: none"><li>① Lift up the cover-front and put your hand under the cover-front, then lift up the screen.</li><li>② Put your hand under the screen center and lift up the screen, then pull it toward the front and detach the screen.</li></ol>	 
	<ol style="list-style-type: none"><li>① Detach the screen from the cover-front.</li></ol>	

# MEMO