

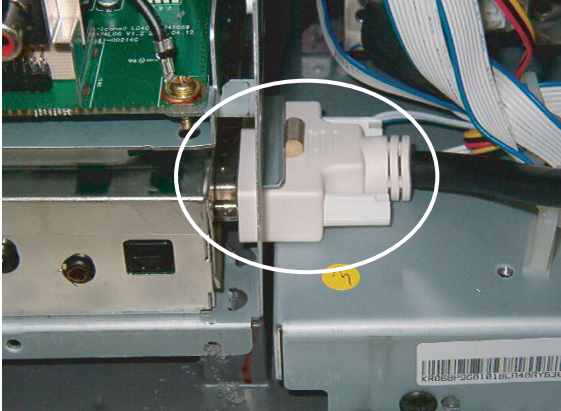
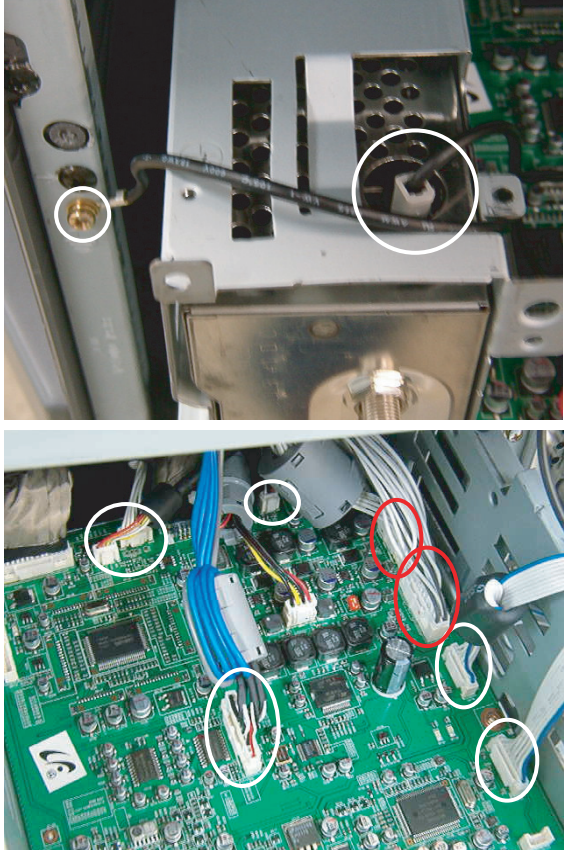


## 12. Disassembly & Reassembly

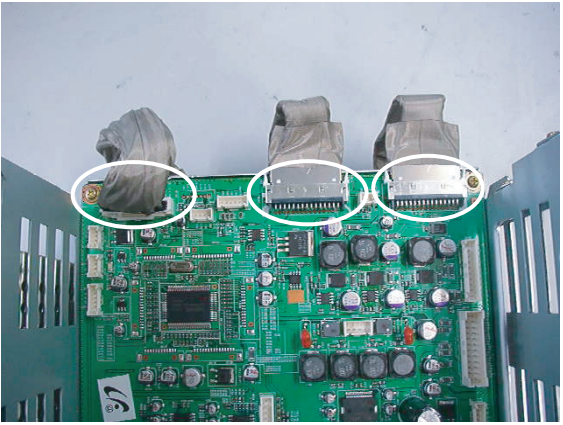
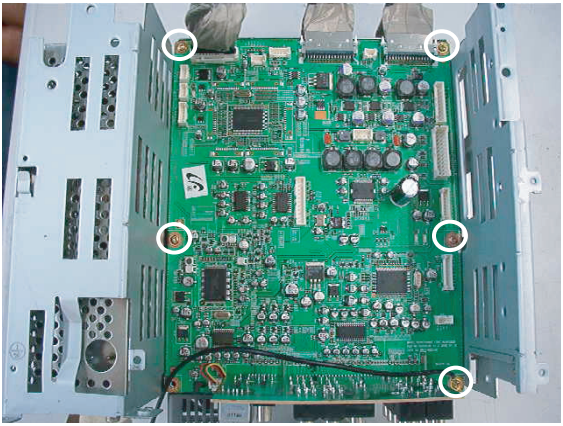
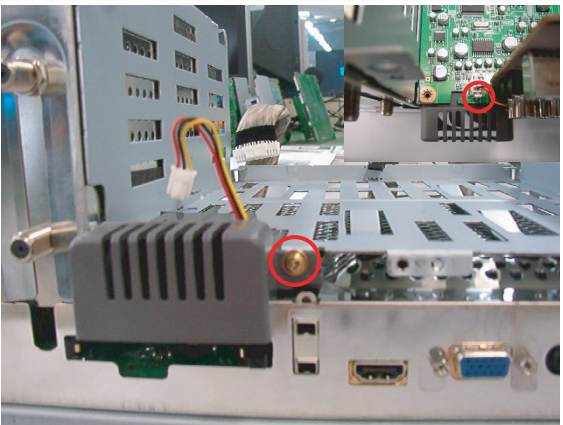
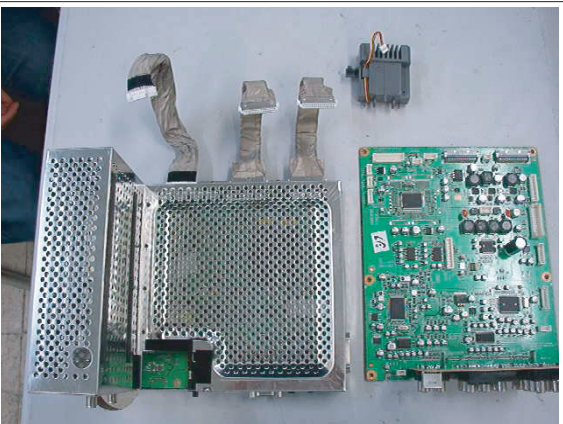
### 12-1 Overhaul Disassembly & Reassembly


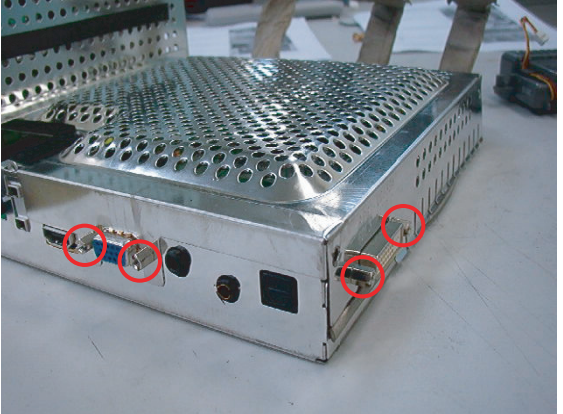
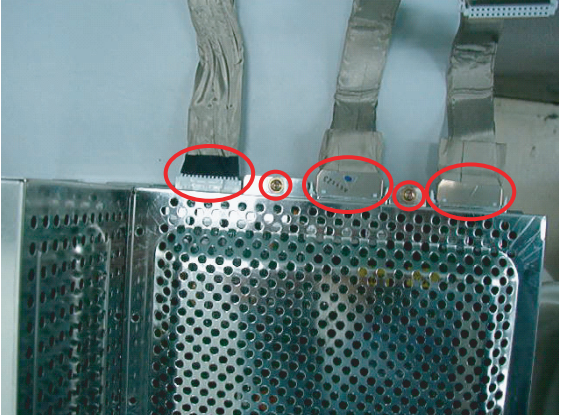
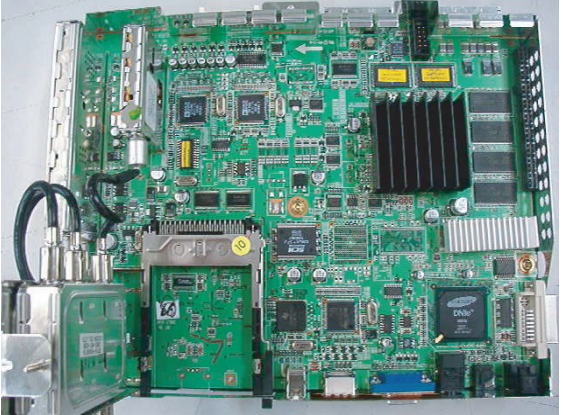
#### 12-1-1 Separation of the back cover and the chassis

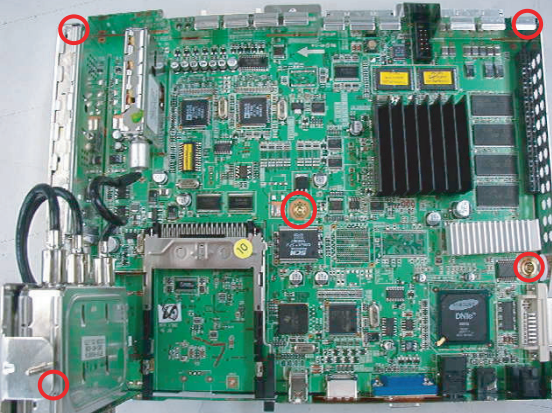
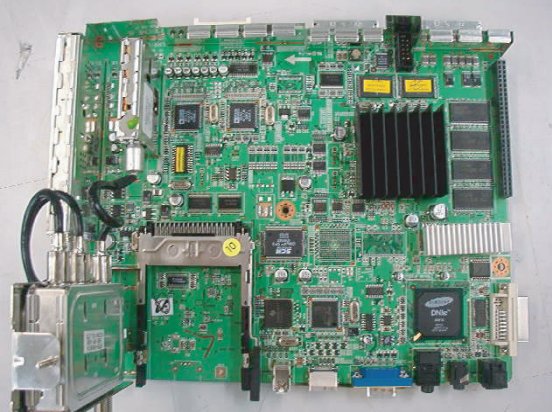
Part Name	Description	Description Photo
Back Cover	① Remove 12 screws to remove the back bottom cover. : TH,B,M4.L15,BLK,SWRCH18A	
Terminal Board	① Loosen and remove the 5 screws on the terminal board and jack. : TH,B,M4.L15,BLK,SWRCH18A	
Holder Chassis	① Separate the DVI cable. ⚠ : The DVI screw is 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.	

Part Name	Description	Description Photo
Holder Chassis	<p>① Separate the Gt-wires.</p> <p>② Separate the cables.</p>	

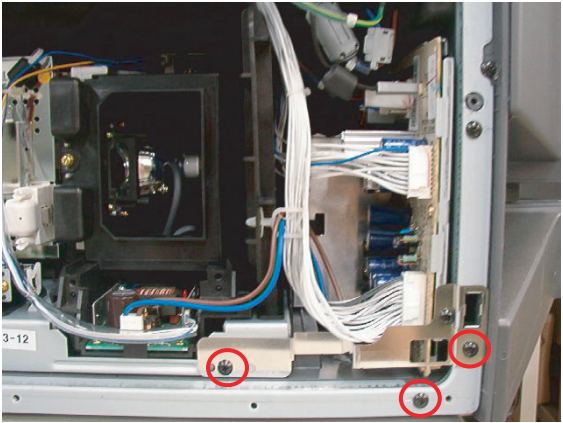
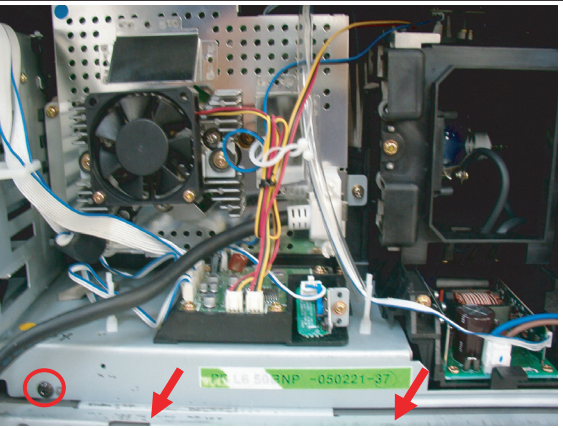
### 12-1-2 Separation of the Analog and Digital Board

Part Name	Description	Description Photo
Analog Board	<p>① Separate the cables.</p> <p>⚠: The 30 pin shield cable should be removed by holding the two lock ends of the cable, as failing to do so, could damage the connector.</p>	
	<p>① Remove the 5 screws : PWH,B,M3,L10,ZPC(YEL),SWRCH18A</p>	
Fan	<p>① Remove both the connector and the screws before removing the fan. Then remove the fan from the holder chassis. : PWH,B,M3,L10,ZPC(YEL),SWRCH18A</p>	
Analog Board/ Digital Board/ Fan	<p>① Analog, Digital Board and Fan.</p>	

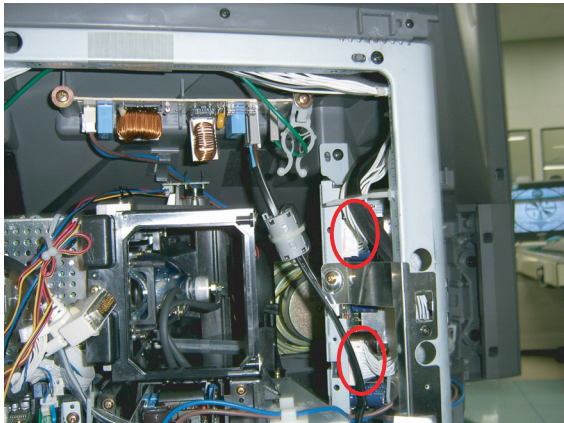
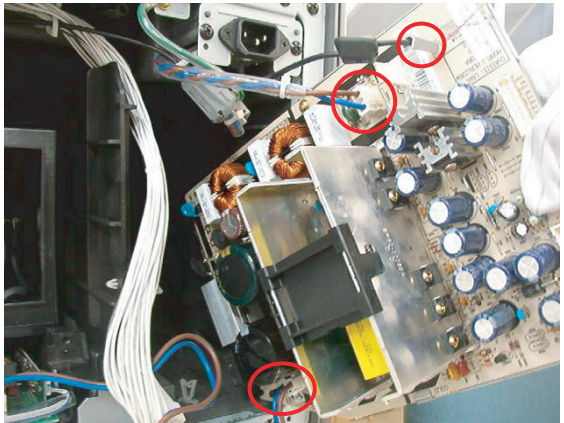
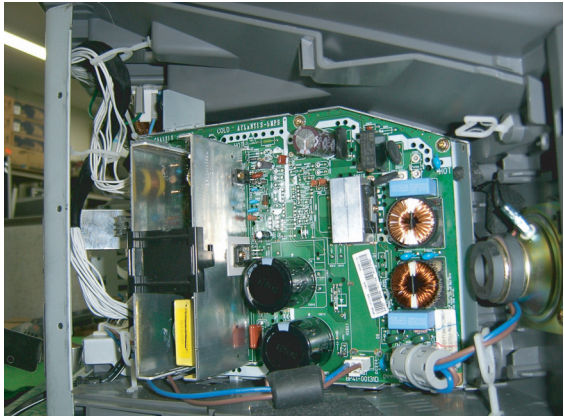
Part Name	Description	Description Photo
Digital Board	<p>① Use the long-nosed pliers to remove the hex nuts. Nut-Hexagon : -,M3/8X32,ZPC(WHT),MBSBD</p>	
	<p>① Remove the 4 standoffs. StandOff : M3,L5,Ni PLT,SUM24L,#4-40</p> <p>⚠ : The standoff may easily break through applying excessive force. Ensure that extreme caution is taken.</p>	
	<p>① Remove the 2 screws and 3 cables. : PWH,B,M3,L10,ZPC(YEL),SWRCH18A</p> <p>⚠ : The 30 pin shield cable should be removed by holding the two lock ends of the cable, as failing to do so, could damage the connector.</p>	
	<p>① After Removing the Top Shield Case.</p> <p>⚠ : Use the two lock holes on either side of the shield case when removing it.</p>	

Part Name	Description	Description Photo
Digital Board	<p>① Remove the 5 screws before removing the shield case at the bottom. : PWH,B,M3,L10,ZPC(YEL),SWRCH18A</p>	
	<p>① Digital Board.</p>	

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

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


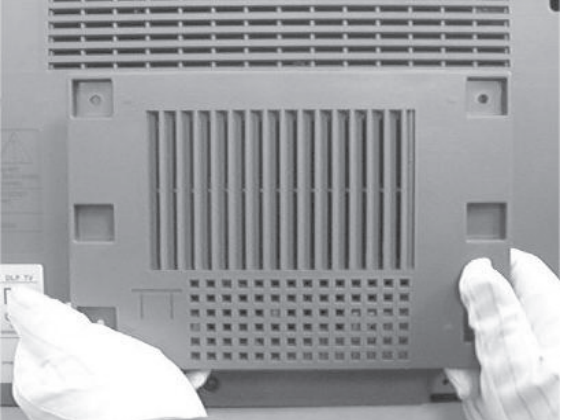
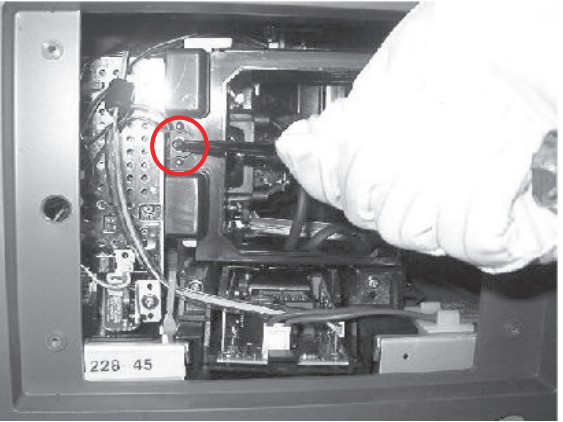
## 12-1-4 Separation of the Power Board

Part Name	Description	Description Photo
Power Board	<p>① Separate the 2 cables.</p>	
	<p>① Remove the power board carefully before disconnecting the cables.</p> <p>⚠ : Wear gloves when handling the power board as there may be some remaining electrical charge in the capacitors. Specifically, avoid touching any part of the capacitors.</p>	
	<p>① After removing the 3 screws, separate the bottom power bracket. : PWH,B,M3,L10,ZPC(YEL),SWRCH18A</p>	

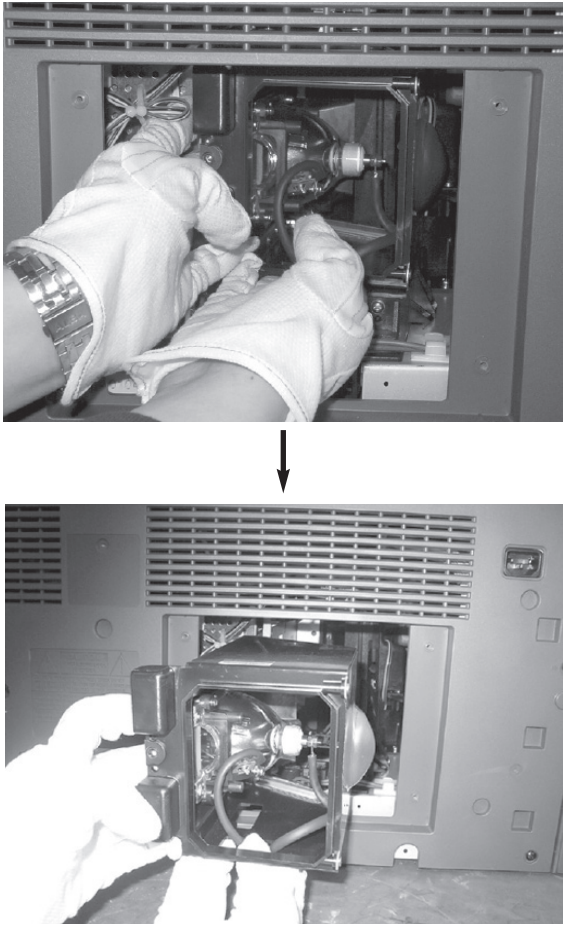
## 12-1-5 Lamp Replacement

⚠ Notice

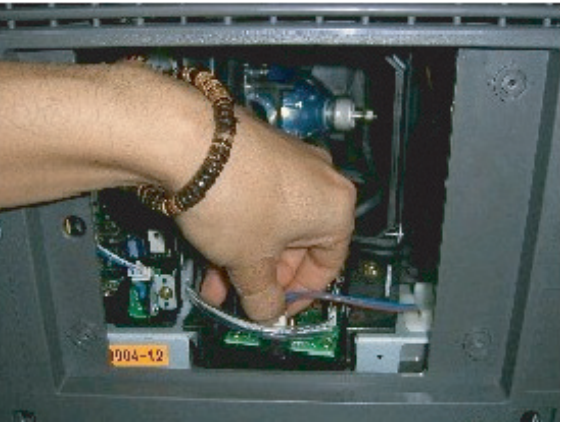
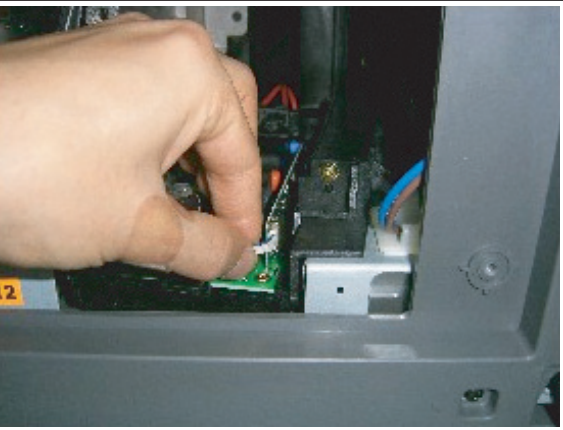
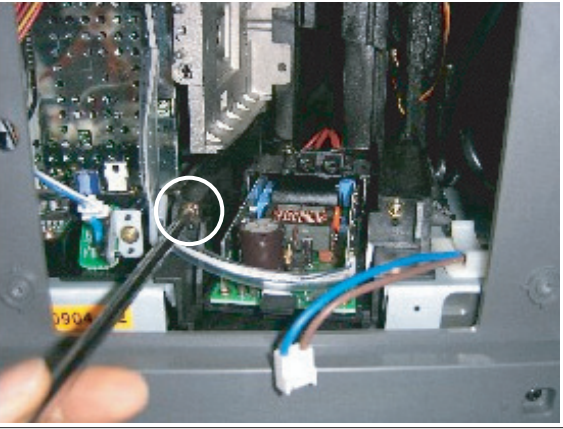
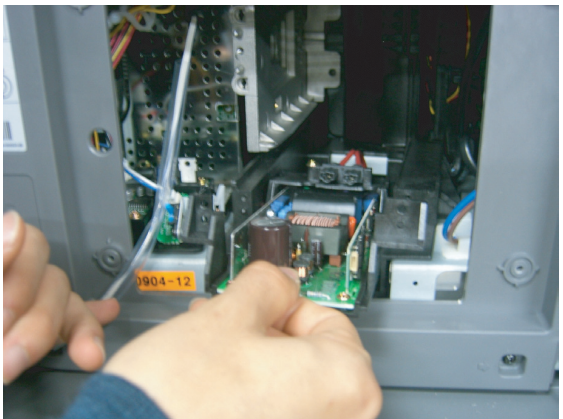
1. Replace with the correct code numbered lamp to avoid damage to the TV.
2. Turn the power off and wait for 30 minutes before replacing the lamp as it will be hot.
3. Do not touch the glass part of the lamp with your bare hands nor insert any foreign object inside the cover as it may cause poor screen 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 the TV, then use a screwdriver to remove the 4 screws. : WSP,PH,+,M4,L12,ZPC(YEL),SM10C	
	① Remove the Lamp cover.	
	① Remove the screw securing the Lamp by using a screwdriver. : WSP,PH,+,M4,L12,ZPC(YEL),SM10C	

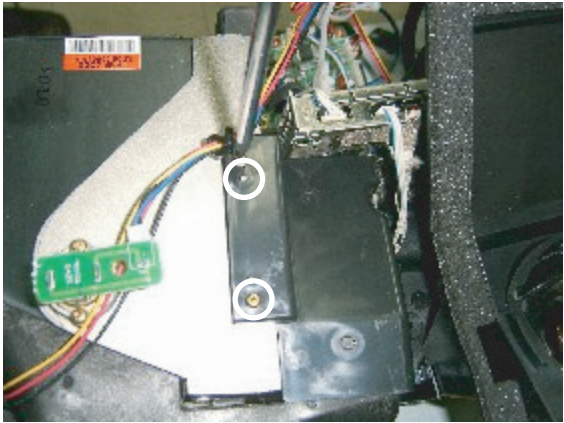
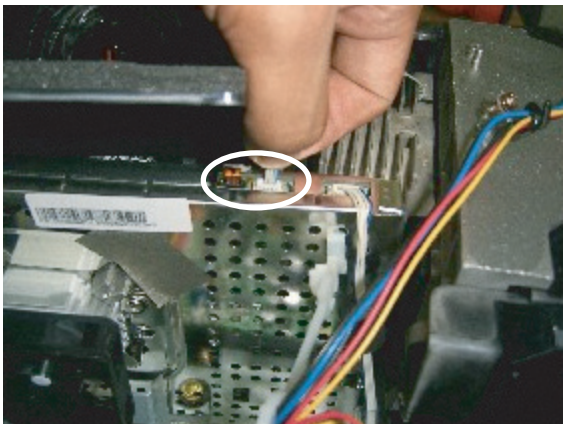

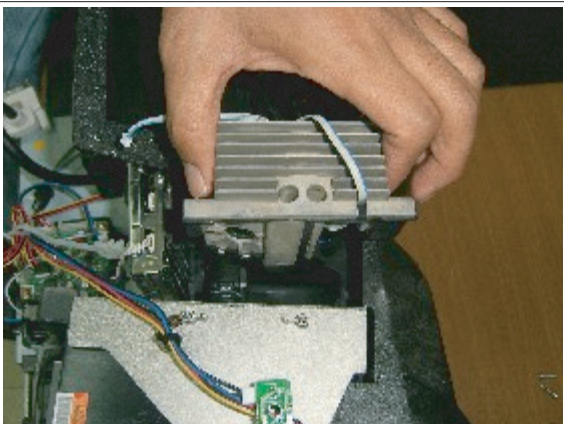


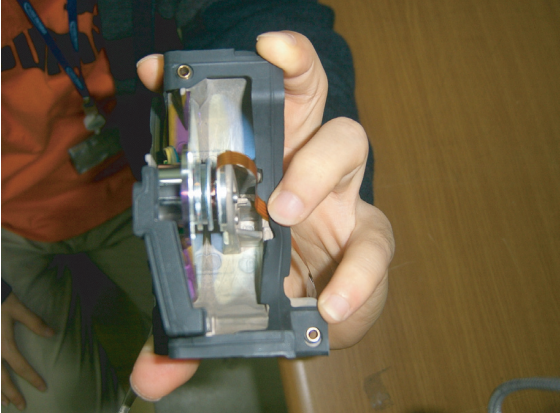
Part Name	Description	Description Photo
Lamp	<p data-bbox="302 205 841 260">① Separate the Lamp from the engine by holding the handle and pulling it out.</p> <p data-bbox="302 294 834 321">② To reinstall the Lamp, follow these steps in reverse order.</p>	

### 12-1-6 Ballast Replacement


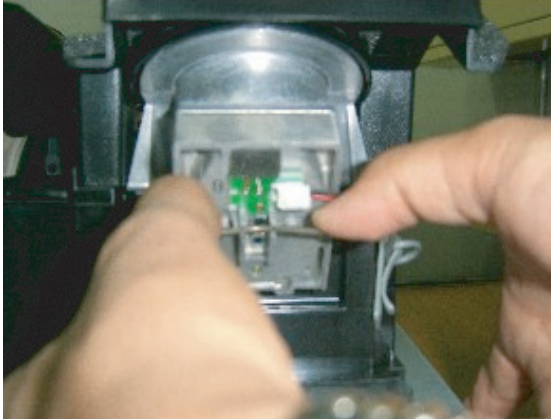

Part Name	Description	Description Photo
Ballast Board	① Remove the lamp, referring to lamp replacement.(12-8page) Remove the ballast power cable.	
	① Remove the Ballast SCI cable.	
	① Remove the two screws at the Holder Ballast. : PWH,+ ,B,M3,L10,ZPC(YEL),SWRCH18A,-	
	① Pull out the Ballast assembly.  ② Replace it with a new one and re-assemble it in the reverse order.	

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

Part Name	Description	Description Photo
Color Wheel	① Remove 2 screws to remove the color wheel cover. (L620 doesn't have the cover color wheel.) : WSP,PH,+,M3,L8,ZPC(YEL),SW	
	① Remove two cables at the DMD Board.	
	① Remove 2 screws. : PWH,+,B,M3,L10,ZPC(YEL),SWRCH18A,-	
	① Disassemble the color wheel assembly.	

Part Name	Description	Description Photo
Color Wheel	<p>① Replace it with a new color wheel and rubber assembly.</p> <p>⚠ : Never touch the color wheel. Touch only the cover assembly.</p>	 A photograph showing a person's hand holding a disassembled printer component. The component is a dark grey plastic housing with a clear window revealing internal mechanical parts, including a color wheel and a rubber assembly. The person is wearing a dark blue long-sleeved shirt and green pants. The background is a wooden floor.

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

Part Name	Description	Description Photo
Actuator	① Remove the cable at the Actuator.	
	① Push the steel spring wire to bottom of the Actuator Assy.	
	① Replace it with a new actuator.	

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