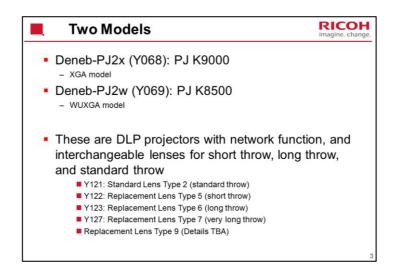
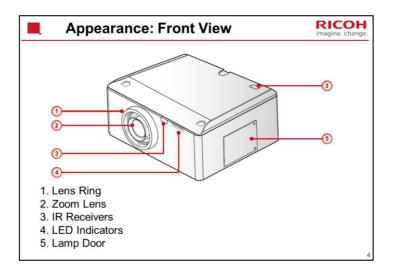


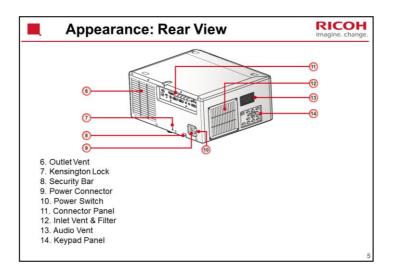
This course explains how to service the Deneb-PJ2 projector.

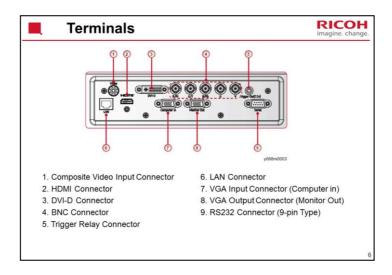




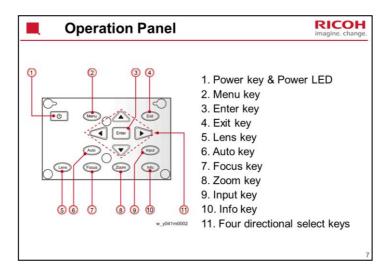
There is no GEO Board for the Deneb-PJ2 series.



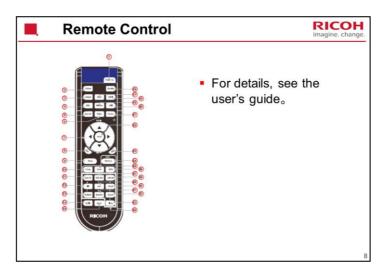


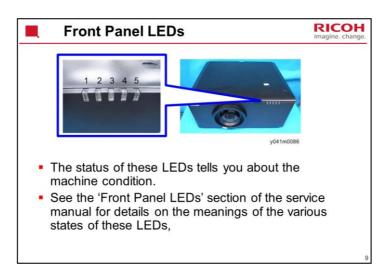


This is different from the Deneb-PJ1.

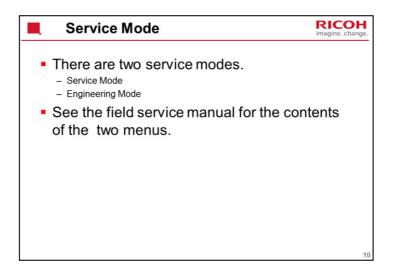


Press the Menu button to access the On-Screen Display (OSD) menu, which is sometimes mentioned in the service manual.

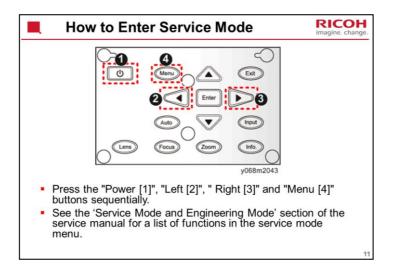


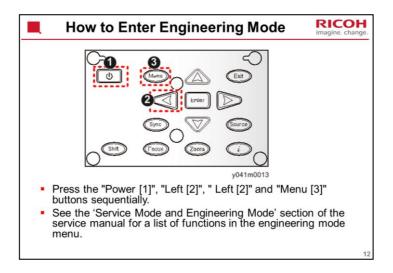


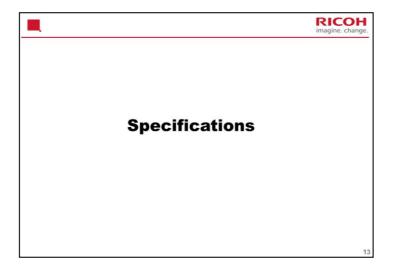
- 1. Filter LED
- 2. Error LED
- 3. Temp LED
- 4. Lamp LED
- 5. Power LED

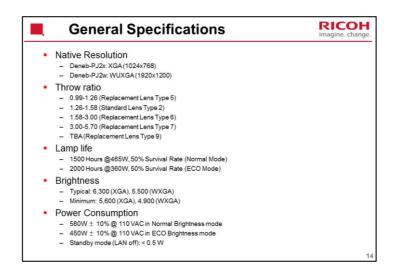


Deneb-PJ1 only has one service mode.

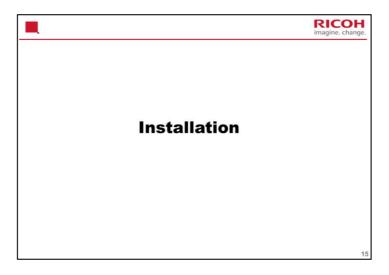








For more details, see the field service manual. Lens types 7 and 9 have been added since the Deneb-PJ1.

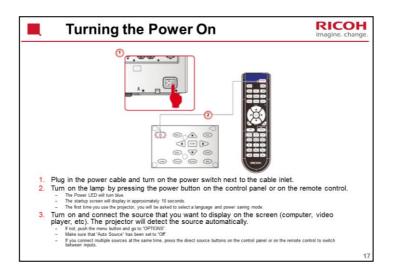


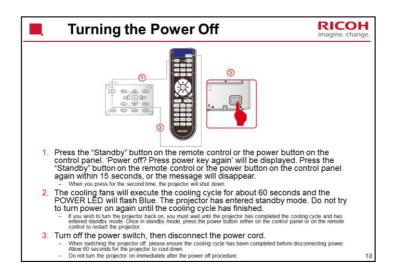
This projector is installed by the customer. However, please study the installation procedure in the user's guide to be familiar with the procedure, because some customers may need help.

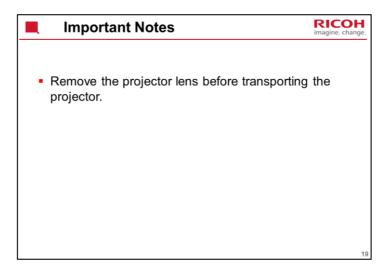
This section is basically the same as the Deneb-PJ1.

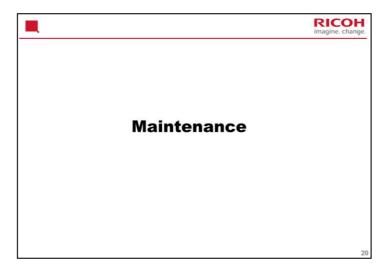
RICOH imagine. change. Installation by the Customer

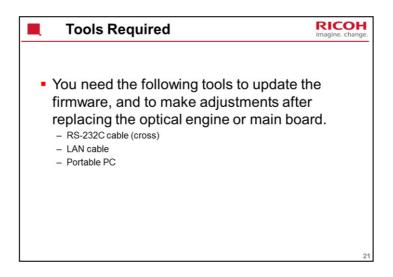
- This projector is installed by the customer.
- However, please study the installation procedure in the user's guide to be familiar with the procedure, because some customers may need help.













- Operators should wear straps for discharging static electricity when disassembling the machine.
- When removing or disassembling the optical engine, please note that specific environmental conditions (clean room) are required.

22

After Replacing Components



- After replacing certain parts, some adjustment procedures must be performed.
- This training course only explains the main points, so see the table in the "Required Action After Replacing Parts" section for which adjustments are required and where to find them in the manual.
 - Whenever you replace a component, check this table to see if you
 have to do any of these procedures. The text in the Replacement and
 Adjustments procedures does not always refer to this table.
 - The table says that we must rewrite the serial number after updating firmware. This is not true.

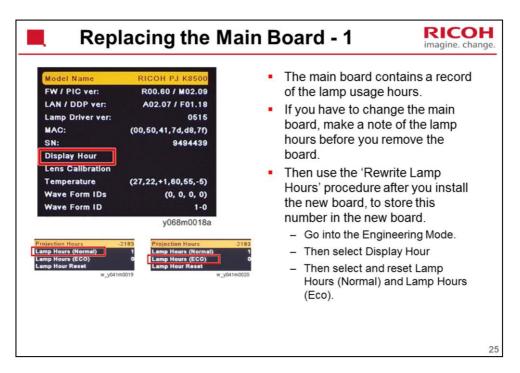
23

The focus adjustment is different from the Deneb-PJ1.

A column for the lamp was added to the table since Deneb-PJ1.



This is the same as Deneb-PJ1.



Replacing the Main Board - 2



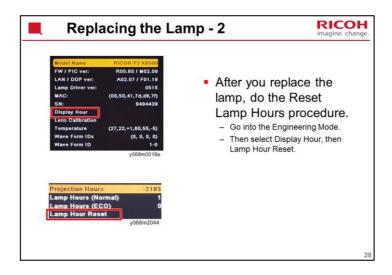
- The machine's serial number must be stored in the new main board after it has been installed.
 - First, connect the projector to a PC with an RS232C cable.
 - Download and install the rewrite serial number tool.
 - Use this tool to input the serial number to the new board.
 - Use service mode to check that the serial number was stored correctly.
 - See the 'Rewrite SN' procedure in the service manual for full details of these procedures.
- Other procedures must be done after changing the main board. See the table in the "Required Action After Replacing Parts" section of the manual.

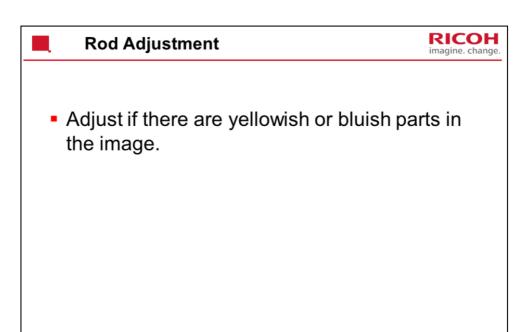
The Rewrite Serial Number Tool will be available on the firmware download page.

The service manual says that we must rewrite the serial number after updating firmware. This is not true.

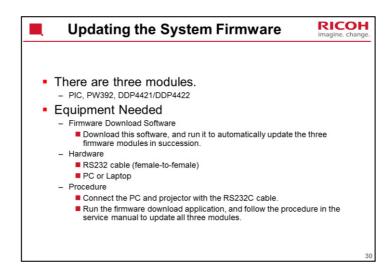
Replacing the Lamp - 1 When the lamp reaches its end of life, 'Lamp Warning, lamp life exceeded' is displayed. Replace the lamp as soon as possible. Allow the projector to cool for at least 30 minutes before you open the lamp cover. Replace with a lamp of the same type. Replacement Lamp Type 19 (service part only)

The lamp is a different type from the Deneb-PJ1.





This is the same as Deneb-PJ1.

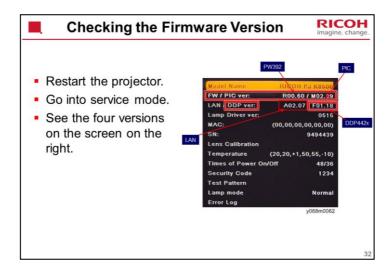


The detailed procedure is in the System Maintenance – PIC/PW392/DDP4421/DDP4422 FW Update section of the service manual. The procedure is basically the same as the Deneb-PJ1.

Updating the Network Firmware Equipment Needed Software Network firmware file (*.bin) Hardware LAN cable PC or Laptop Procedure Set up the projector and your computer. Your browser must not be set up to use a proxy server. The IP addresses of the projector and the PC must not be the same. Use a web browser on your computer to update the firmware. The procedure takes about 1 minute.

The detailed procedure is in the System Maintenance – LAN Firmware Update section of the service manual.

The procedure is basically the same as the Deneb-PJ1.





The End