

This course explains how to service the Spica-PJ1 projector. This is a high-end projector, currently at the top of the range.



One Model Spica-PJ1 cwu (Y092): PJ KU12000 WUXGA model This is a DLP projector with network function, and interchangeable lenses for short throw, long throw, and standard throw Y136: Replacement Lens Type B1 (short throw) Y137: Replacement Lens Type B2 (short throw) Y138: Replacement Lens Type B3 (short throw) Y139: Replacement Lens Type B4 (standard throw) Y140: Replacement Lens Type B5 (long throw) Y141: Replacement Lens Type B6 (long throw)

Main Points about This Model

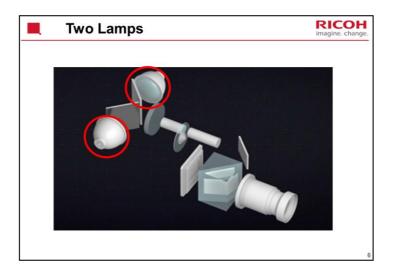


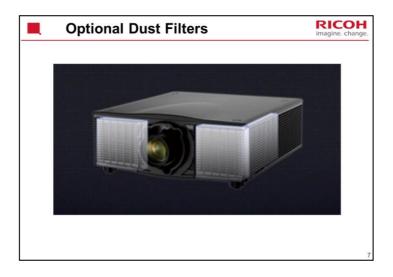
- High brightness (12,000lm)
- Two mercury lamps
 - This avoids interruptions if a lamp fails
- 6 types of lens
 - Overall throw ratio: 0.84 7.2
- Compatible with HDBaseT and 3G-SDI
- 360 degrees tilt, portrait mode, curve blending, vertical/horizontal keystone, vertical/horizontal lens shift
- Two interchangeable color wheels
 - The standard color wheel is RGBCYM.
 - Can change to an RGBRGB color wheel as an option.

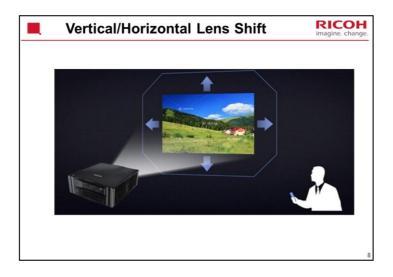
Curve blending: Spica can project images which will look square on cylindrical, spherical or other shapes of screen without distortion. Vertical / horizontal lens shift changes projection without moving the projector.

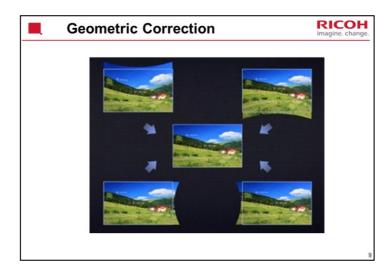


The procedure is in the Parts Replacement section of the service manual. Users can also do this procedure.

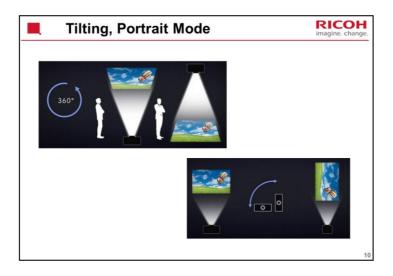


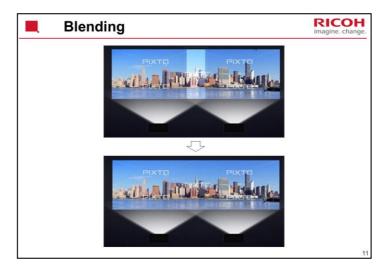






This allows projection on a curved surface without distorting the image.

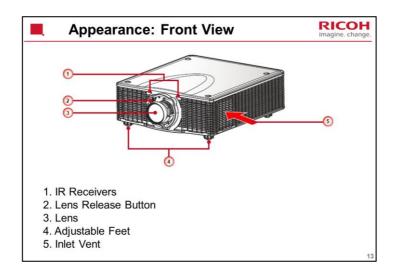


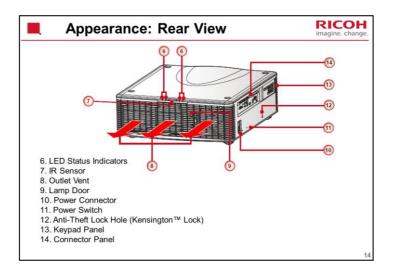


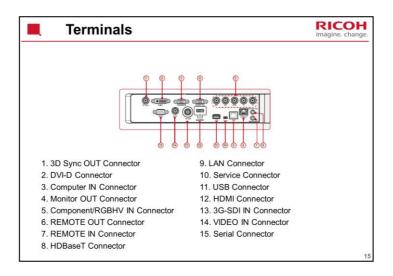


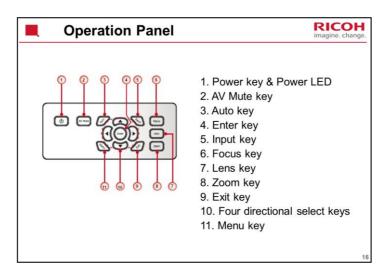
PIP: Picture in Picture – two pictures can be seen at the same time, one as an inset inside the other (see the left side of the slide)

PBP: Picture by Picture – two pictures shown side by side (see the right side of the slide)

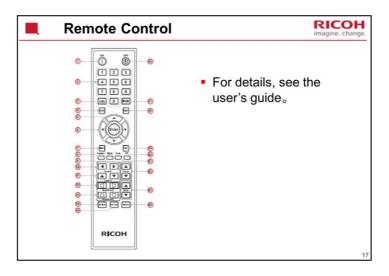


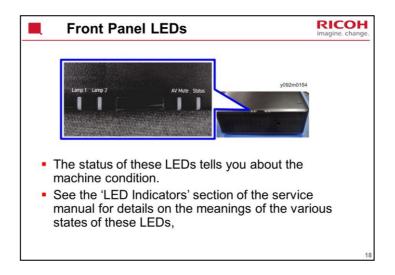


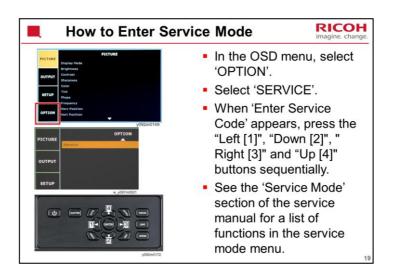


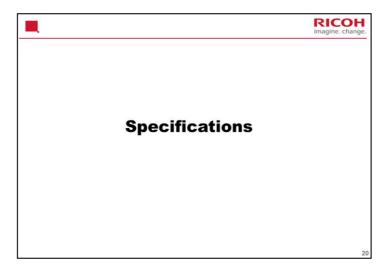


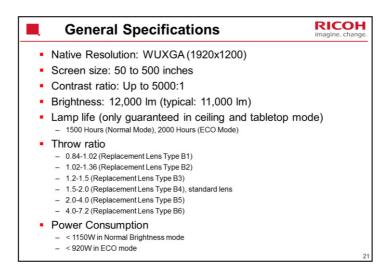
Press the Menu button to access the On-Screen Display (OSD) menu, which is sometimes mentioned in the service manual.











For more details, see the field service manual.



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.

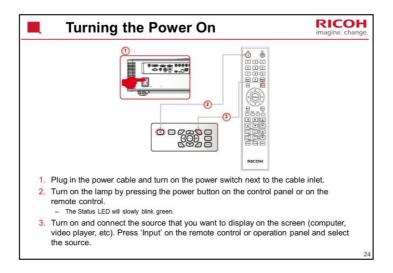
This section is basically the same as the Deneb-PJ1.

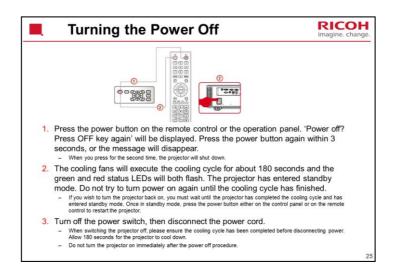
Installation by the Customer

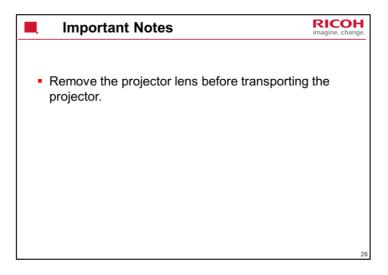


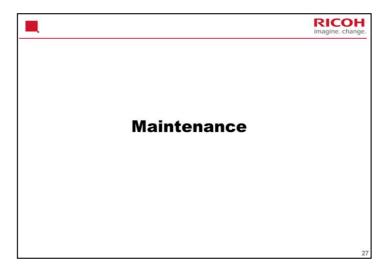
- This projector is installed by the customer.
- However, please study the installation procedure in the user's guide to be familiar with the procedure, because some customers may need help.
- Keep 25.4 cm (10 inches) clear around the vents to allow air circulation through the machine.

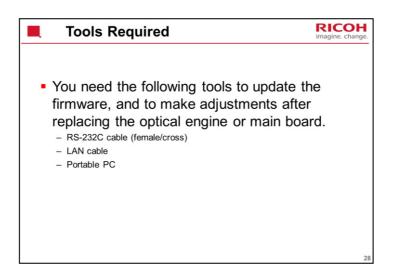
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- Operators should wear straps for discharging static electricity when disassembling the machine.
- When removing or disassembling the optical engine, please note that specific environmental conditions (clean room) are required.

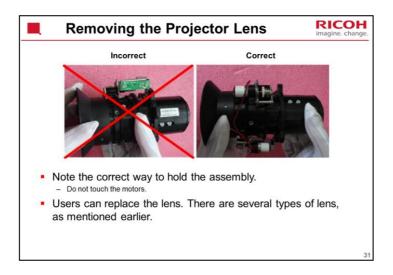
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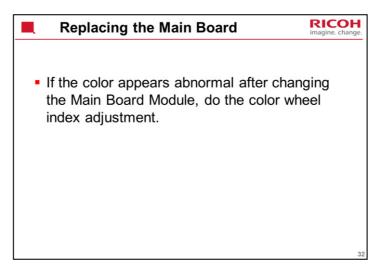
After Replacing Components



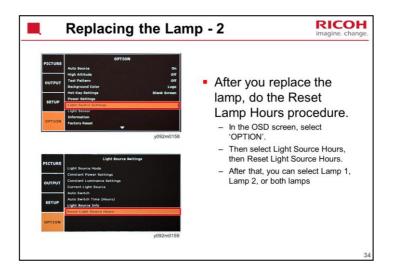
- After replacing certain parts, some adjustment procedures must be performed.
- This training course only explains the main points, so see the table in the "Required Action After Replacing Parts" section for which adjustments are required and where to find them in the manual.
 - Whenever you replace 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.

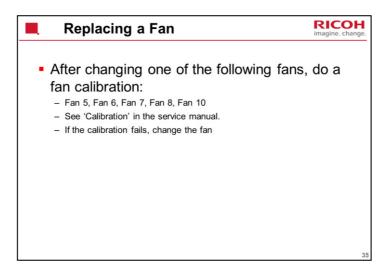
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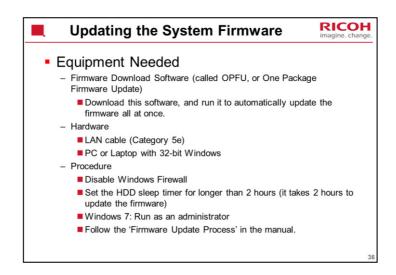




Replacing the Lamp - 1 When the lamp reaches its end of life, 'Lamp Warning, lamp life exceeded' is displayed. Replace the lamp as soon as possible. Allow the projector to cool for at least 30 minutes before you open the lamp cover. Replace with a lamp of the same type. Replacement Lamp Type 25







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



The End