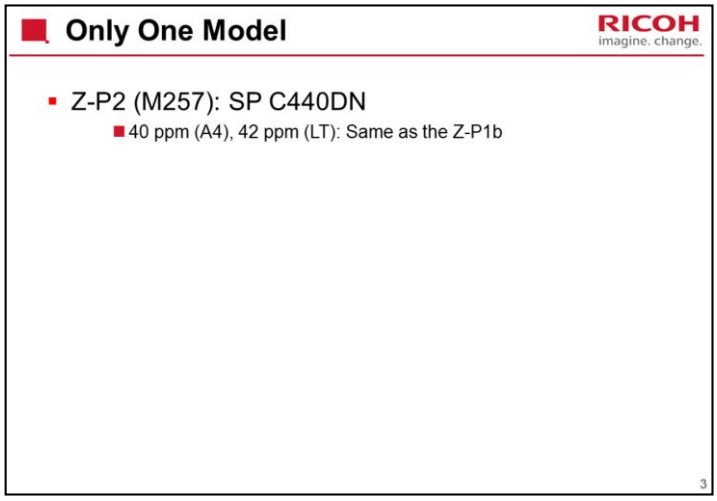
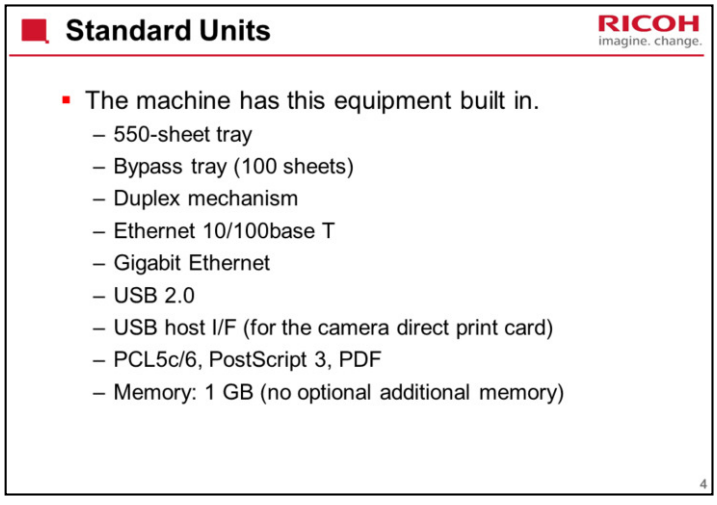
This course explains how to service the Z-P2 color printer. It assumes that you already know the Z-P1. If this is not true, please study the course for the Z-P1 before you start the course for the Z-P2.

To learn about this machine, please study the user's guide and the field service manual in addition to this TTP.

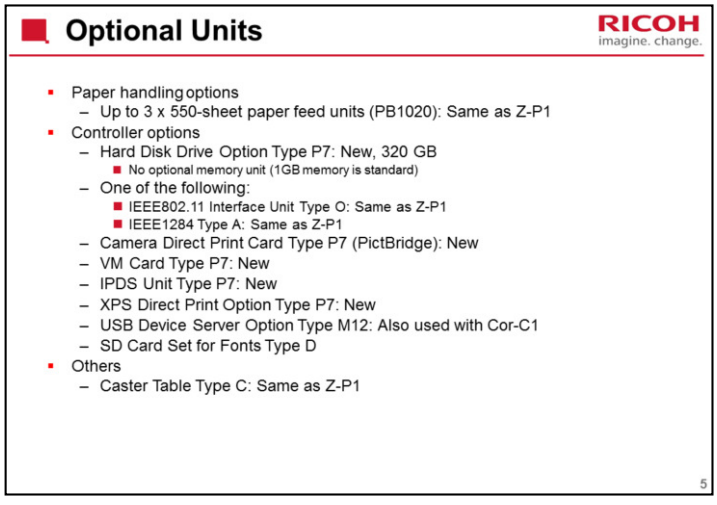
No additional notes



There is no 35 ppm model in this series.



No additional notes

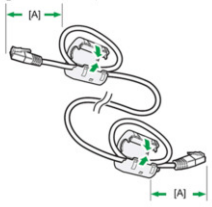


No additional notes

Installation Mostly by the User

RICOH
imagine. change.

- The machine and all options are installed by the customer, except for the following, which must be installed by a technician.
  - USB Device Server Option Type M12
- The Ethernet cable for the USB device server option must have ferrite cores bound 3 cm (about 1.2 inch) [A] from each end, as shown below.
  - NA models: After closing the cores, secure them in place with cable ties.



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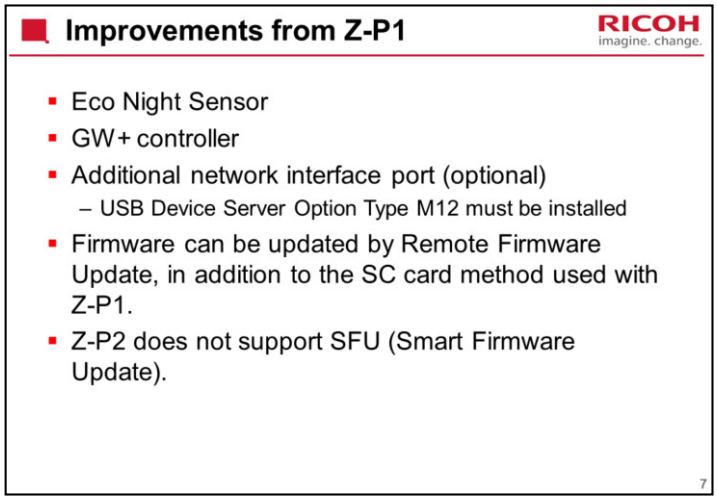
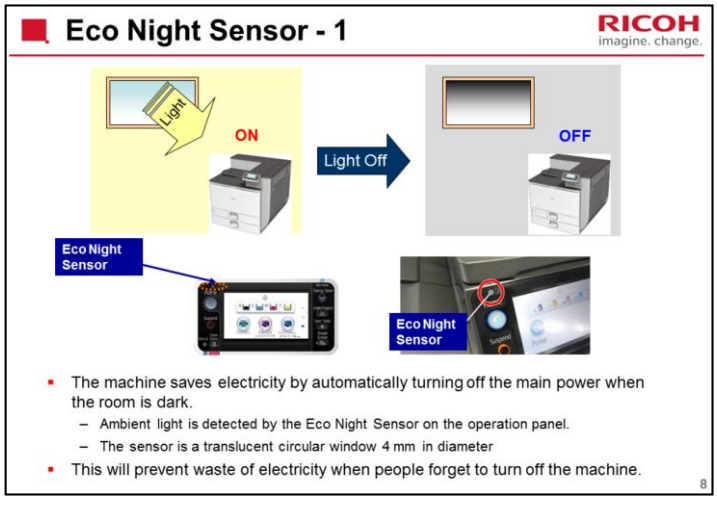
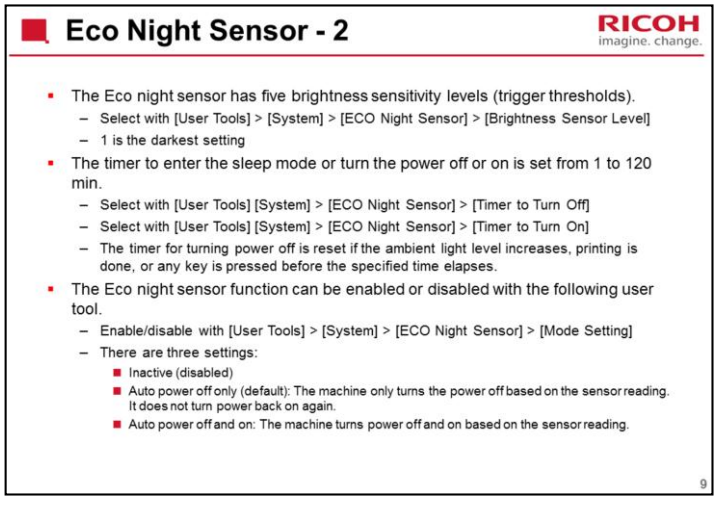
No additional notes



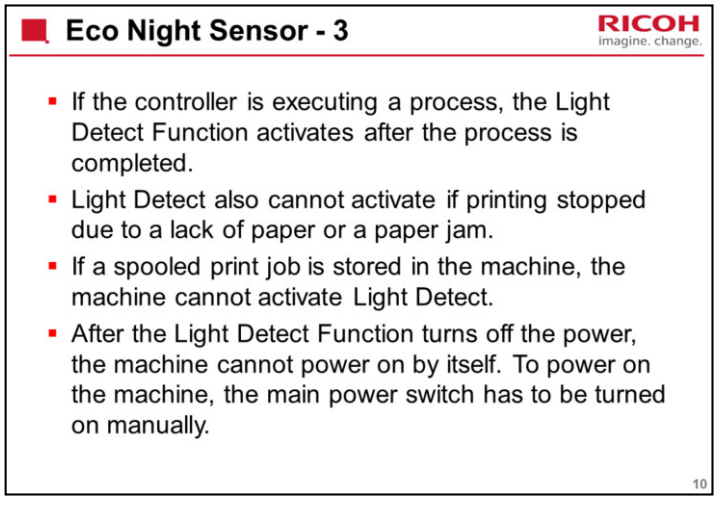
No additional notes



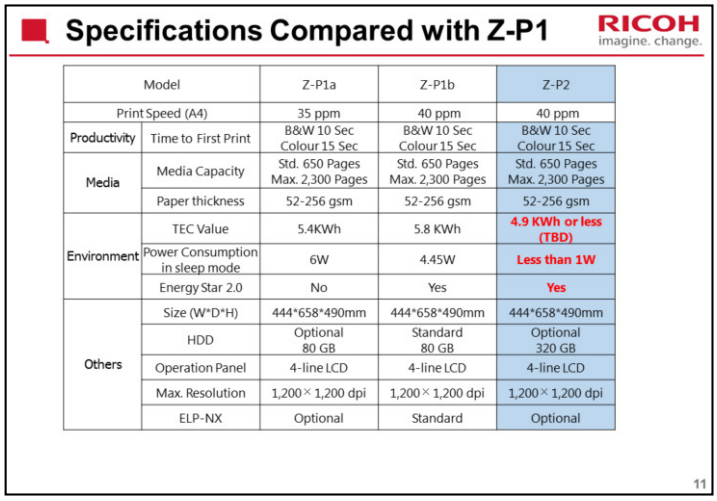
The picture is not the Z-P2, but the function is the same.



No additional notes

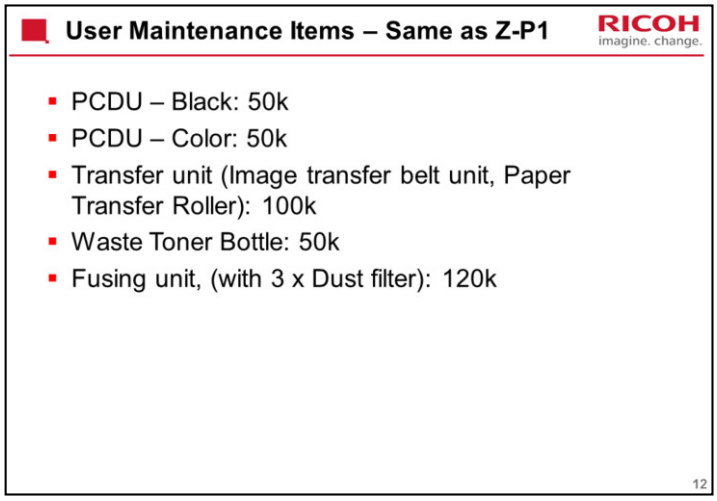


No additional notes

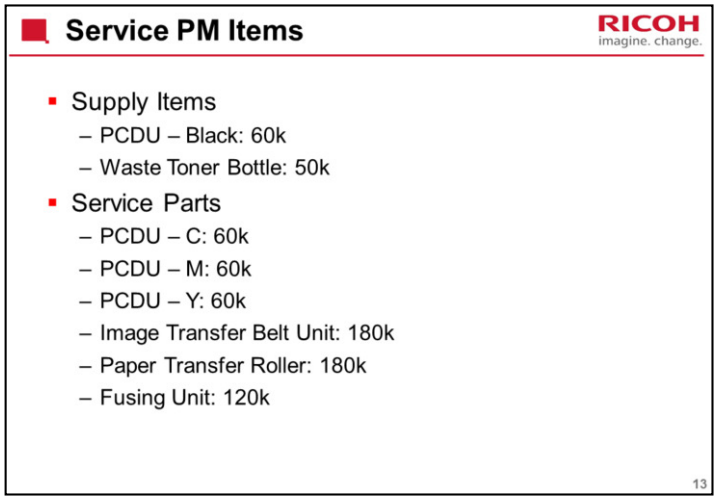


Model		Z-P1a	Z-P1b	Z-P2
Print Speed (A4)		35 ppm	40 ppm	40 ppm
Productivity	Time to First Print	B&W 10 Sec Colour 15 Sec	B&W 10 Sec Colour 15 Sec	B&W 10 Sec Colour 15 Sec
Media	Media Capacity	Std. 650 Pages Max. 2,300 Pages	Std. 650 Pages Max. 2,300 Pages	Std. 650 Pages Max. 2,300 Pages
	Paper thickness	52-256 gsm	52-256 gsm	52-256 gsm
Environment	TEC Value	5.4KWh	5.8 KWh	**4.9 KWh or less (TBD)**
	Power Consumption in sleep mode	6W	4.45W	**Less than 1W**
	Energy Star 2.0	No	Yes	**Yes**
Others	Size (W*D*H)	444*658*490mm	444*658*490mm	444*658*490mm
	HDD	Optional 80 GB	Standard 80 GB	Optional 320 GB
	Operation Panel	4-line LCD	4-line LCD	4-line LCD
	Max. Resolution	1,200×1,200 dpi	1,200×1,200 dpi	1,200×1,200 dpi
	ELP-NX	Optional	Standard	Optional

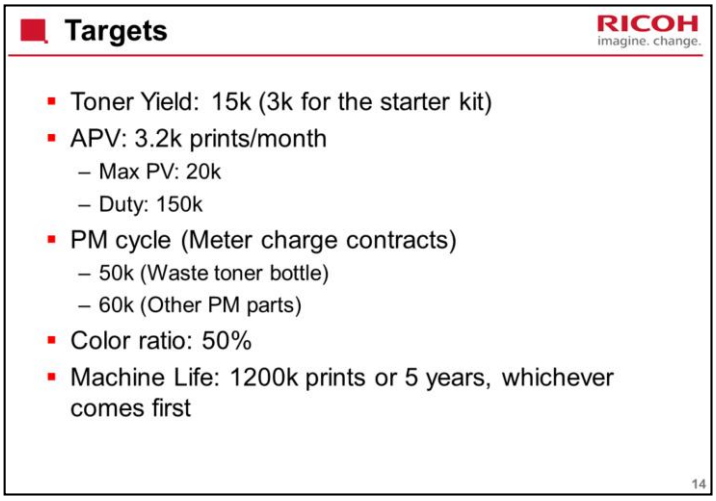
The specs are mostly the same as Z-P1.



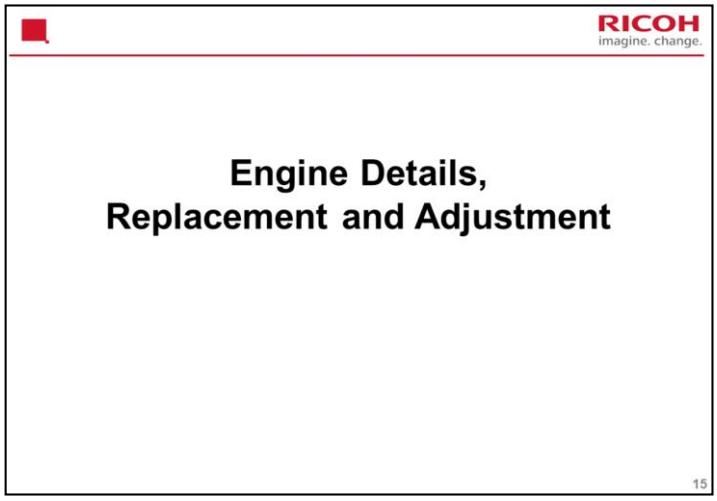
These parts are replaced by the customer, if the customer has a user maintenance contract.



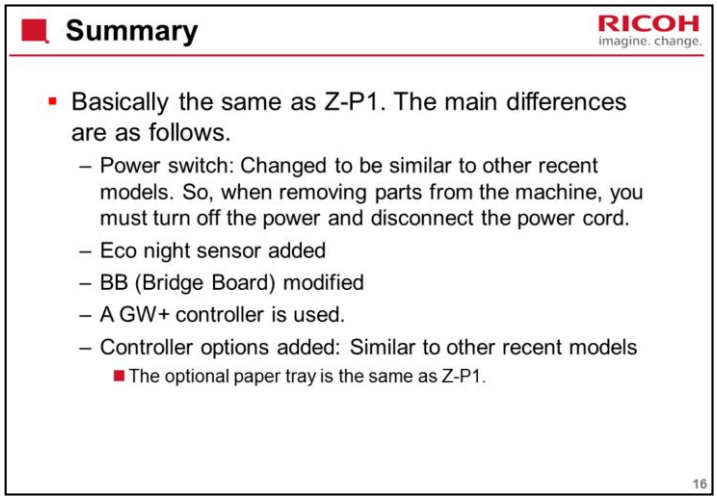
These parts are replaced by the technician, if the customer has a meter charge contract.



This is the same as the Z-P1. Toner and PM kits are the same as the Z-P1.



No additional notes

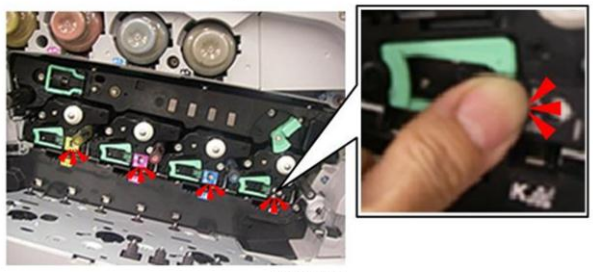


No additional notes

Installing a PCDU - 1

RICOH
imagine. change.

- Some new steps were added to the service manual.
- First of all, after inserting a PCDU, always push the PCDU lever in until you hear it click and lock.



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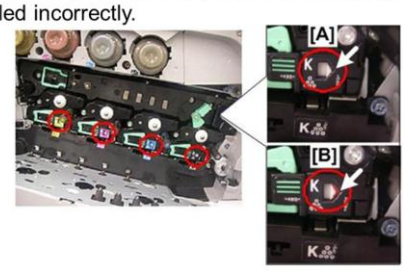
No additional notes

Installing a PCDU - 2

RICOH
imagine. change.

- Check the five-sided window of each PCDU.
  - If the area inside the window is all white [A], the unit is installed correctly.
  - If you see any red color [B] inside the window, the unit is installed incorrectly.



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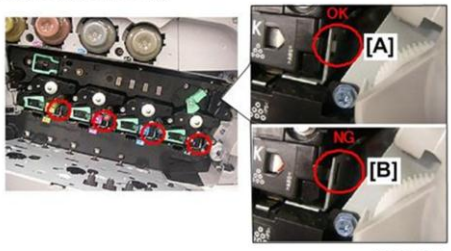
No additional notes

Installing a PCDU - 3

RICOH
imagine. change.

- On each unit, check the slot and bracket alignment.
  - If you see the white lock tab inside its slot [A], the unit is installed correctly.
  - If you do not see the white tab inside the slot [B], the unit is installed incorrectly.



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No additional notes

Installing a PCDU - 4

RICOH
imagine. change.

- Turn the ITB lock lever clockwise to lock it.

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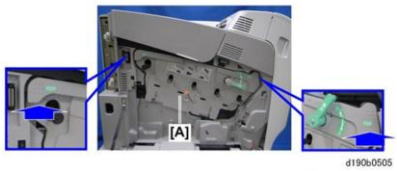
No additional notes

Installing a PCDU - 5

RICOH
imagine. change.

- Use both hands to close the drum securing plate [A].
- Turn the lock lever clockwise to lock it.



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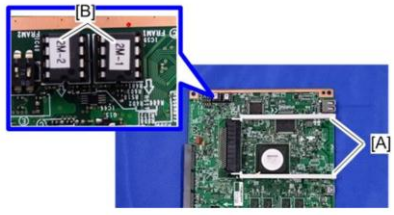
No additional notes

Controller Board NVRAMs

RICOH imagine. change.

- The NVRAMs [B] are a set and must always be removed together and installed on a new board at the correction locations.
  - 2M-2 is inserted into the connector labeled FRAM-2.
  - 2M-1 is inserted into the connector labeled FRAM-1.
  - The semi-circular notch of each NVRAM should be aligned with the white semi-circular notch below it as shown above at the dotted white lines.



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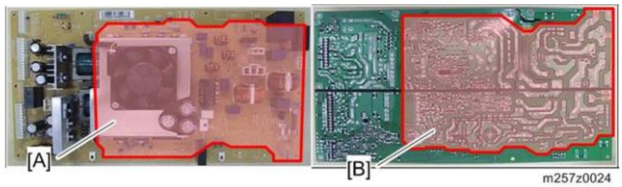
Failure to install the NVRAMs at the correct locations will cause the machine to issue SC195-00.

If the NVRAMs are installed incorrectly, this could cause the board and NVRAMs to short out and cause permanent damage.

Handling the PSU

RICOH
imagine. change.

- The PSU still has residual electrical charge on some parts even if the main power is turned off. Make sure that the power plug is unplugged when you maintain or service the PSU.
- Never touch the areas [A] [B] shown below with bare hands when working with the PSU.



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No additional notes

The End