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MODEL PE-P1E TRAINING
Machine Codes: M035/M036
PRINTER ENGINE

UPGRADE COURSE

BASED ON THE PE-P1

Slide 1

This training course explains the main differences between the PE-P1e series and the older PE-P1 series.

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M035 SERIES TRAINING

PRODUCT OVERVIEW

Slide 2

This section explains the differences between the PE-P1e series and the older PE-P1 series.

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What Models are there in the Series?

	Print Speed (A4)	PDL	Duplex	Optional 500-sheet Tray	Optional Memory
Pe-P1Eb (M035)	20/20 ppm	PCL, PS	No	Yes	Yes
Pe-P1Ec (M036)	20/20 ppm	PCL, PS	Yes	Yes	Yes

Slide 3
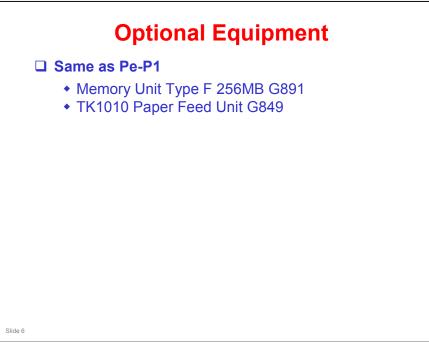
❒ The two print speed figures are for black-and-white/color. No change from Pe-P1.

➢ Duplex: 12 ppm (A4/LT, b/w and color)

❒ Yes: Built-in as standard equipment

❒ No: Not built-in, not available as an option. For the duplex column, 'no' means that manual duplex can be done but not automatic duplexing.

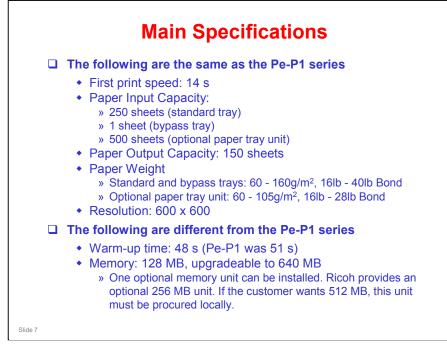❒ For Letter paper, the copy speed is a bit higher, at 21 ppm.

Appearance

Slide 4

No additional notes

Operation Panel

❑ **This is the same operation panel as in the Md-P1 series.**

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❑ The two-line display is new for this series.

Optional Equipment

❑ **Same as Pe-P1**

- ◆ Memory Unit Type F 256MB G891
- ◆ TK1010 Paper Feed Unit G849

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No additional notes

Main Specifications

❑ **The following are the same as the Pe-P1 series**
- First print speed: 14 s
- Paper Input Capacity:
  » 250 sheets (standard tray)
  » 1 sheet (bypass tray)
  » 500 sheets (optional paper tray unit)
- Paper Output Capacity: 150 sheets
- Paper Weight
  » Standard and bypass trays: 60 - 160g/m^2, 16lb - 40lb Bond
  » Optional paper tray unit: 60 - 105g/m^2, 16lb - 28lb Bond
- Resolution: 600 x 600

❑ **The following are different from the Pe-P1 series**
- Warm-up time: 48 s (Pe-P1 was 51 s)
- Memory: 128 MB, upgradeable to 640 MB
  » One optional memory unit can be installed. Ricoh provides an optional 256 MB unit. If the customer wants 512 MB, this unit must be procured locally.

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❐ Duplex printing cannot be done for thick paper (more than 105 g/m^2, 28 lb Bond).

❐ Printing on OHP transparencies is not possible.

❐ Resolution settings: There are three settings (600 x 600 1-bit, 600 x 600 2-bit [also called 1200 x 600], 600 x 600 4-bit [also called 2400 x 600 dpi])

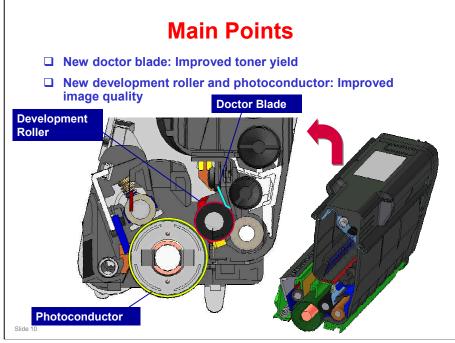➢ Without extra memory, 2400 x 600 dpi duplex LG size cannot be printed.

Yield

- ❑ **AIO cartridges**
  - ◆ Starter: 1k prints
  - ◆ Short life: 2.5k prints
  - ◆ Long life: 6.5k prints (black), 6k prints (color)
  - ◆ The long life cartridge is new for this series (but the same as for Pe-MF2 and Md-P1)
- ❑ **Waste toner bottle: 25k prints**
  - ◆ 5%, 3P/J, 50% color ratio
- ❑ **Transfer unit, fusing unit: Lasts for the machine life if the estimated APV is kept.**
  - ◆ Estimated machine life: 5 years or 90k prints

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- ❑ All consumables can be replaced by users.
- ❑ AIO: Compatible with Pe-MF2 and Md-P1
  - ➢ The next section of the course shows the changes to the AIO since the Pe-P1.
- ❑ Waste toner bottle: Compatible with Pe-P1, Pe-MF1, Pe-MF2, and Md-P1

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AIO

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This section explains the main points about the new AIO.

Main Points

❑ **New doctor blade: Improved toner yield**

❑ **New development roller and photoconductor: Improved image quality**

Doctor Blade

Development Roller

Photoconductor

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No additional notes

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SERVICE PROCEDURES

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This section explains the changes to replacement and adjustment and other procedures.

Changes to Procedures

❑ **AIO motors: Small changes (an additional gear must be removed in each procedure)**

Slide 12

No additional notes

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Entering Service Mode

❑ **To enter SP mode from the operation panel, do the following:**

  ◆ Press both the Start/Stop key and the Escape key, and turn on the printer.
  ◆ Keep pressing these keys for more than 10 seconds, then you can access SP mode.
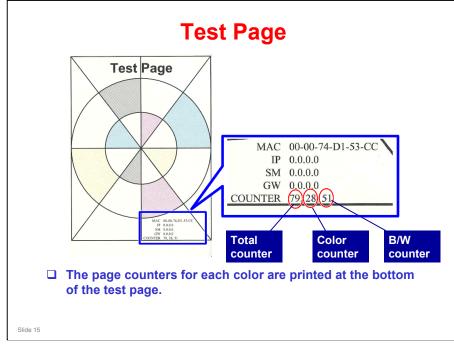
Slide 13

❑ This is a new way to access service mode.

This slide shows the changes to the configuration page.

Service Manual, System Maintenance Reference, Configuration and Test Page Information

❐ This is a new page.

❐ To print this page, follow the procedures in the service manual.