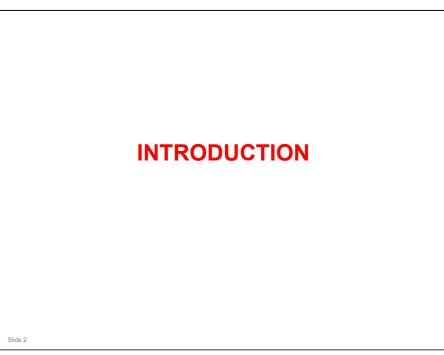
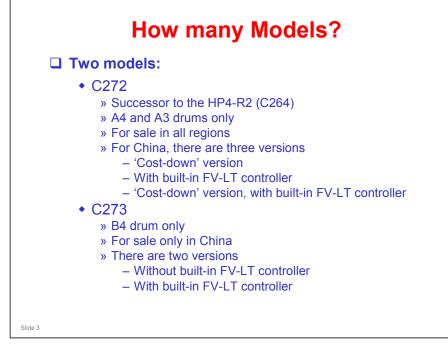


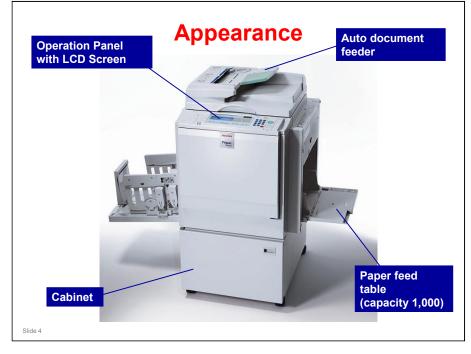
□ This course explains the differences between this model and the HP4R2.



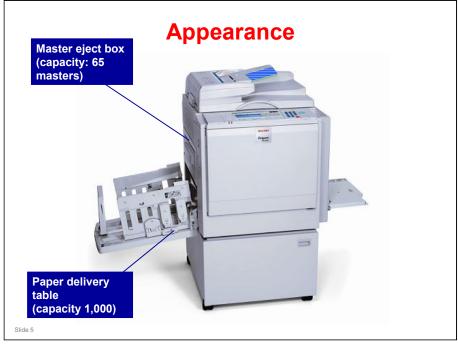




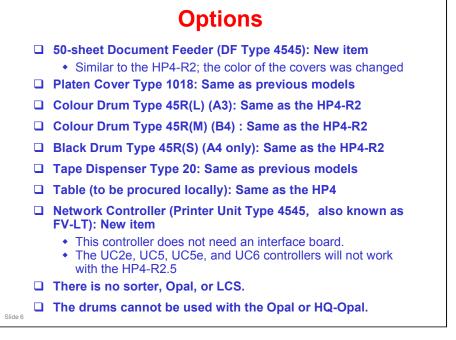




- □ The LCD is not a touch-panel.
- □ The ADF is similar to the previous model. The only difference is the change of colour.



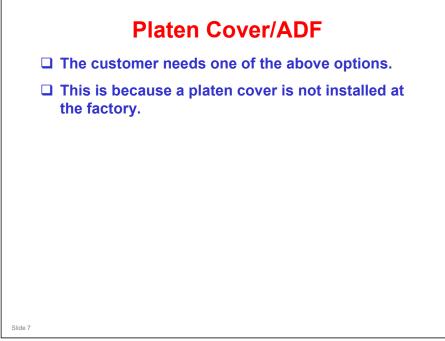
□ Here is a view of the paper exit side of the machine.



Document feeders

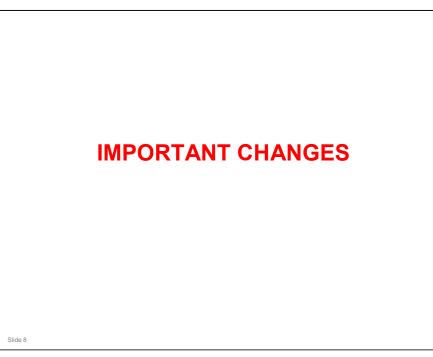
- □ The old DF (type 85) can theoretically be installed on the HP4R2.5.
- Also, the new document feeder (type 4545) can be used on the HP4 and HP4R2, and PinkGold

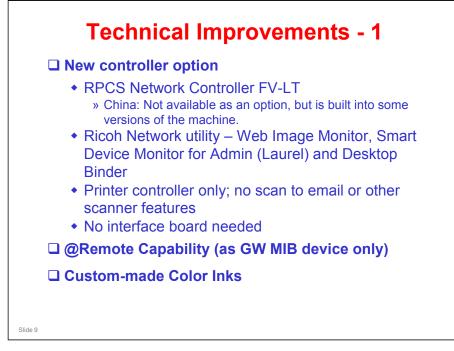




□ This is the same as the HP4R2.



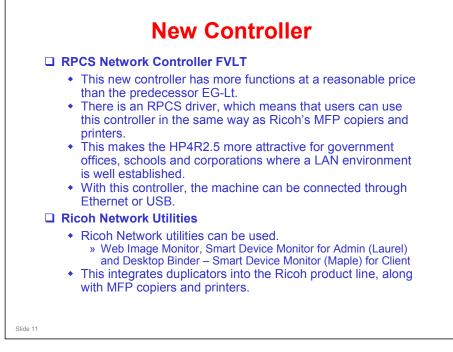


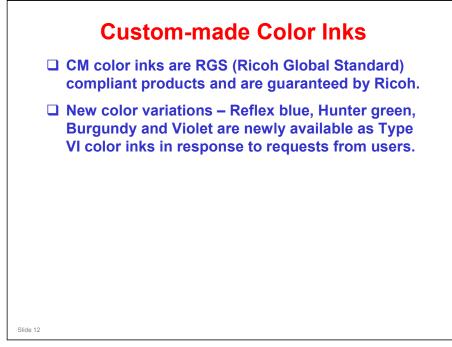


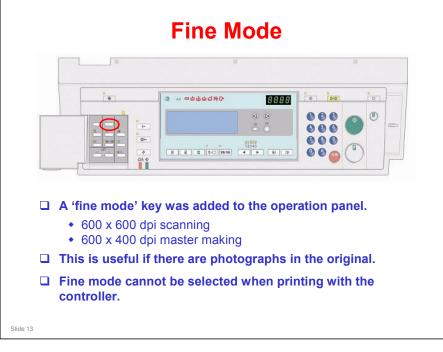


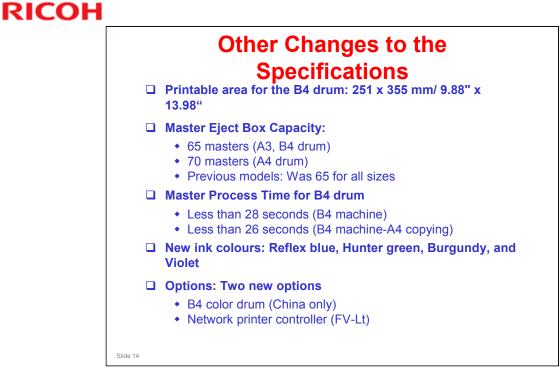
New SP mode (2-101)

- If a used master is kept wrapped around the drum for a long time, a negative image of the old master is transferred to the first few prints that are made from the next master.
- This is because ink in the holes in the old master dry out on the drum, and when a new master is wrapped around the drum, these holes are still blocked. So a negative image of the previous master appears on the first few prints with the new master, because ink cannot get through to the paper.
- □ This negative image will disappear gradually during the first few prints.
- □ The new SP mode (SP2-101) prevents this problem.
- The SP mode activates a special keypad operation to remove the old master from the drum after the end of printing (push the Mode Clear key for more than three seconds).
- However, if there is no master on the surface of the drum for a long time, the ink dries out; therefore, the user must wrap a new blank master. (Push the Master Making key while pushing the # key).
- The new SP mode enables these operations, but the user must do them. Wrapping a blank master adds to the user's costs, so this cannot be done without the user's permission.

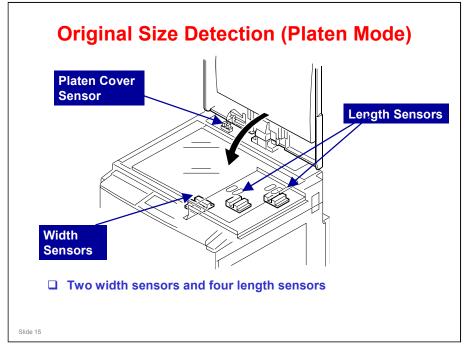








- □ Master process time specs are for normal resolution, not fine mode.
- Master process time for other drum sizes are the same as for the previous model.



- □ This is new for the HP4/Pink Gold series.
- □ The size is detected at these times:
 - Immediately after the platen cover sensor detects that the cover was just closed
 - > When the start key is pushed while the platen cover sensor is open.
- The platen cover sensor or the DF position sensor in the optional ADF informs the main CPU of the original size when the platen is about 15 cm above the exposure glass. At this time, only the sensors located underneath the original receive the reflected light and switch on. The other sensors remain off. The main CPU can recognize the original size from the number of activated sensors.







□ These are all the same as the HP4-R2.



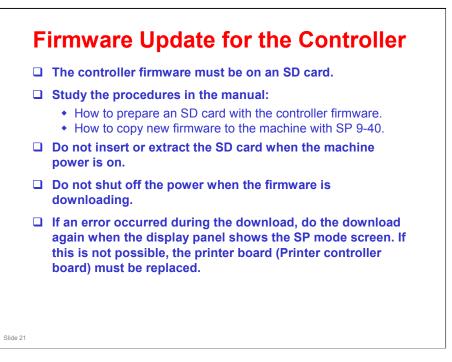
HP4-R2

- □ Maximum copies per master
 - ≻ 4,000
- Monthly Print Volume
 - > Average: 50k
 - Maximum: 170k
- Estimated Unit Life
 - > 10,000k prints, 30k masters, or 5 years
- PM Cycle
 - > 1200k or 6 months
- □ MCBC
 - ≻ 240k

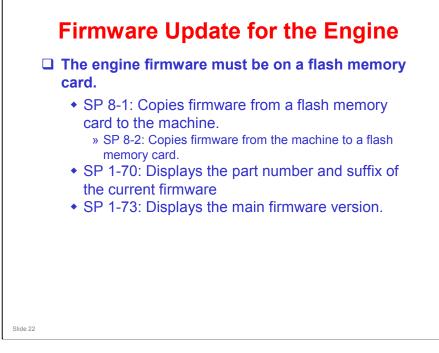




C272 service manual, Installation, Network Printer Controller (Printer Unit Type 4545)



C272 service manual, System Maintenance Reference, Firmware Update



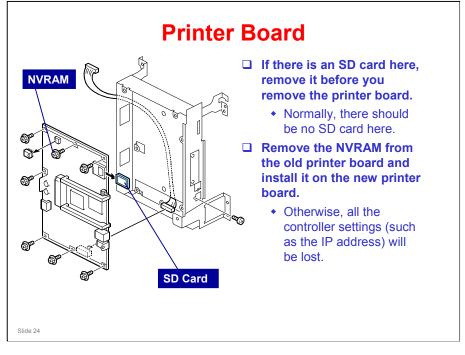
C272 service manual, System Maintenance Reference, Firmware Update



□ This section explains new replacement procedures for this model.

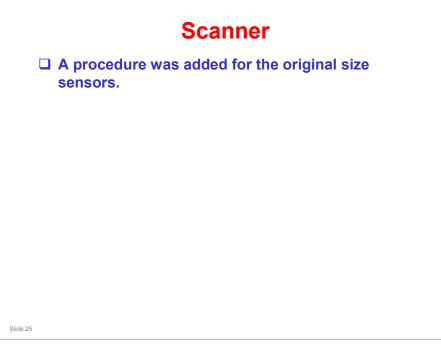
HP4R2.5 Training

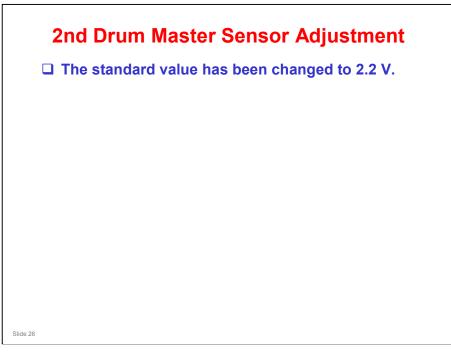
RICOH



C272 Service Manual, Replacement and Adjustment, Network Printer Controller

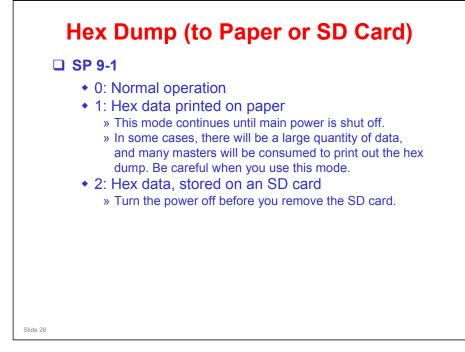








□ This section explains new troubleshooting tools for this model.



C272 Service Manual, Appendix, Service Tables

□ This feature is available on some other duplicator models, but it is the first time for this series.