

SB Number:	SB 2BZ-001	Issue Date: 24/06/2003
Subject:	Change of System firmware (prevention black band)	
Model:	FS-6020	

- **System Firmware upgrade 91.04:**

F/W has been changed to correct the problem with printer locking when data size received from USB port is integer multiple number of 64 bytes.

- **System Firmware upgrade 91.05:**

Phenomenon

Horizontal black bands may appear on the image (please refer to **page 2.** for print samples).

Cause

The engine firmware, fixed in engine board, contains a bug.
Because of this bug, the main charge remains on after the print job is complete.
As a result, horizontal black band(s) arise on the drum's surface.

Countermeasure

System firmware has been upgraded from 91.04 to **91.05** to solve the bug.
In version 91.05, a set of dummy signals are sent from system to engine F/W that will turn off the main charge.

Field Measure

If the black band phenomenon should arise, please update the system firmware in your machine via CF card to version 91.05. Also, black band may disappear in some cases by way of drum refresh or printing.

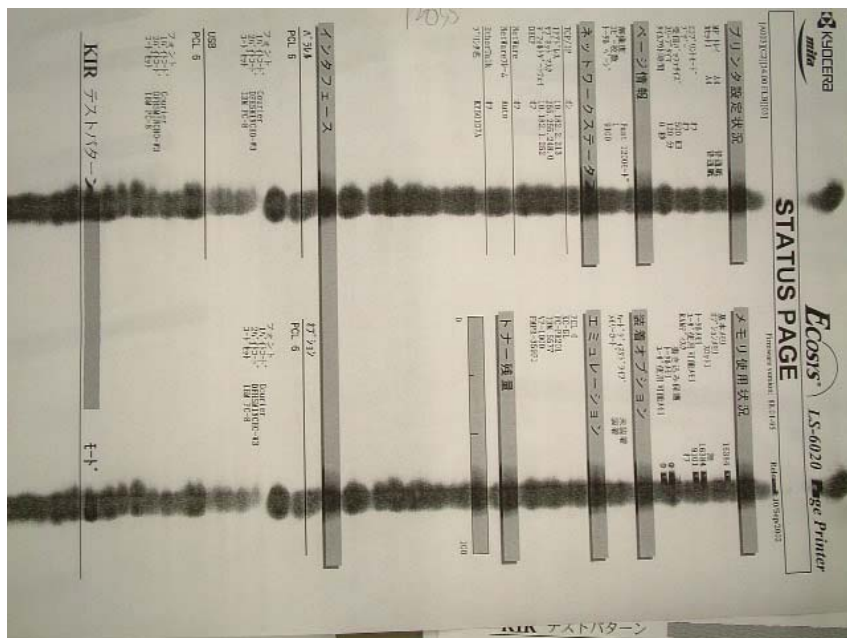
Firmware details

	ROM Ver.	Release Date	Check Sum	Label Name	U-No	Rom Type
System 2 (UG-14)	91.05	2003.5.20	DDF0	S96K9105	YS1	8MB-DIMM

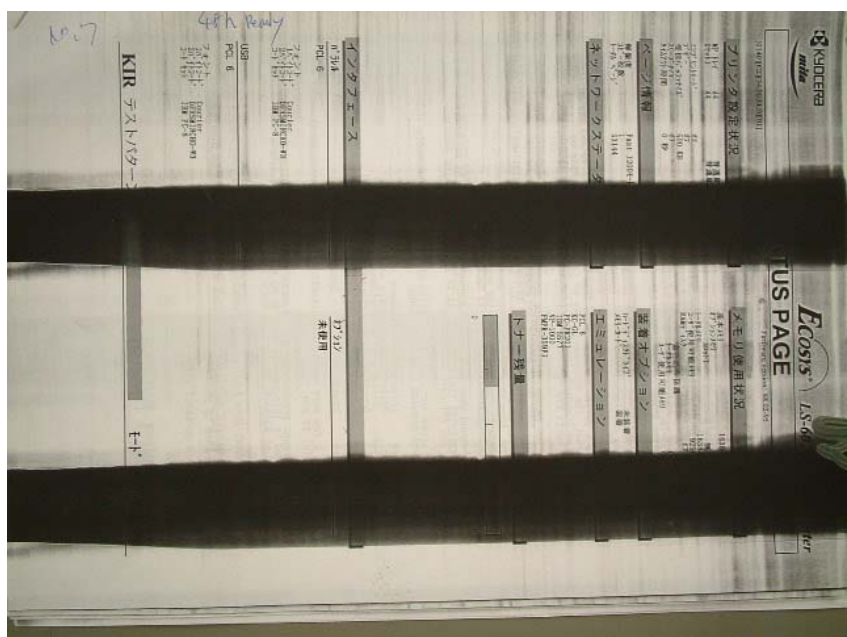
System 2 is shipped to KME as KPDL3 standard.

=> If phenomena appear, please upgrade the firmware to version **91.05**.

Print samples



Light black band



Heavy black band