

SB Number:	SB 2FG-035	Creation Date: 04/08/2006
Subject:	White line on output caused by developing section	
Model:	KM-3035/4035/5035, KM-2530/3530/4030	

Phenomenon:

When excessive stress is put on the DU there is a possibility that a white line will appear on image. This stress can be caused by a temperature increase inside the machine or repeatedly outputting an image from a low coverage original.

Cause:

If the toner in the developing unit is too agitated or thermal stress is put on it, because the flow of toner will decrease, the toner sits on the developing spiral. This will cause the toner-conveying ability to go down.

This will accelerate the toner accumulation around the developing magnet roller and eventually causes a toner clog in the blade section, which damages the developing magnet roller causing a white line to appear on the image.

Contents of change:

- To prevent the toner-conveying ability from going down, a sheet of film has been added which will brush the toner sitting on the left developing spiral off;
- A few wings have been cut off of the right developing spiral. This will weaken the toner-conveying ability at the back of the toner sensor. This will result in the toner staying near the toner sensor and will cause excess toner replenishment.

No.	Old part number	New part number	Description	Q'ty		Interchange ability	
				Old	New	Old	New
1	302BJ93014 2BJ93014	302BJ93015 2BJ93015	PARTS,DEVELOPER ASS'Y	1	1	X	O
2	302BL93014 2BL93014	302BL93015 2BL93015	DV-700	1	1	X	O

Field Measure:

When the phenomenon occurs, please do the following:

- Replace PARTS, DEVELOPER ASSY (No.1) and DV-700 (No.2) with new ones.
- Clean the inner cooling fan filters with a brush or a water-wet cloth regularly.
- Upgrade MAIN firmware to the latest version. (This is only for KM-3035/4035/5035.)

Affected machine Serial numbers:

DEVELOPING UNIT:

Developing unit for KM-2530/3530/4030	AN63202375 on
Developing unit for KM-3035/4035/5035	KBN6424875 on
Developing unit for FS-9100DN, FS-9500DN	WHH6354347 on
Developing unit for FS-9120DN, FS9520DN	KBY6429605 on

MK-KIT

MK-700	GAJ6405543 and higher
MK-701	GAL6408757 and higher
MK-702	KQB6401141 and higher
MK-703	KQE6402779 and higher
MK-705	BA635111 and higher
MK-706	BX008321 and higher
MK-707	BY011857 and higher

COPIERS:

KM-3035	K3121784 and higher
KM-5035	M3040458 and higher
KM-4035	L3053643 and higher

PRINTERS:

FS-9120DN/ FS-9520DN: From the next production