Service Bulletin

SB Number:	**SB 2B0-006**	*Issue Date:* **29/04/2003**
Subject:	Engine ROM upgrade	
Model:	**FS-1800+ / FS-1800(N)**	

ENGINE ROM UPGRADE   FS-1800+

- **Version A004 to A005**

Change:

EXTP command 5,1 has been added to prevent multiple paper feed jams.
System default setting = EXTP 5,0;
Multiple paper feed jams may arise if the feed roller and the registration roller are at the time of paper feeding not moving simultaneously. If setting EXTP 5,1 is enabled, multiple paper feed jams are prevented as much as possible, especially with label paper.

	Version	Checksum	Label Name	U-No	Rom Type
Engine	A005	EB25	EB01KA005	U3	2Mbit-Flash ROM

> *Affected Machine Serial Numbers ver. A005:*
>
> **FS-1800+**:   VAK2641858 and later

- **Version A005 to A006**

Change:

Supporting new values for engine parameter to activate the drum refresh mode.
EXTP 1.8; drum refresh mode is activated at 65% RH or more until total count is 120K.
          => after 120K, drum refresh mode is activated at 55% RH or more.
EXTP 1.9; drum refresh mode is activated regardless of humidity situation.
Factory Default Setting = EXTP 1.8: drum refresh mode is activated at 65%RH or more.

	Version	Checksum	Label Name	U-No	Rom Type
Engine	A006	D3D7	EB01KA006	U3	2Mbit-Flash ROM

> *Affected Machine Serial Numbers ver. A006:*
>
> **FS-1800+**:   AAK2743828 and later

KYOCERA mita

Service Bulletin

- **Version A006 to A007**

Change:

When implementing the toner refresh mode, a black band is developed in between pages printed and can be executed as a measures for faint image at low coverage printing. This toner refresh mode process results however in an increase of waste toner and involves more frequent replacement of waste toner bottles. The engine firmware has been upgraded to reduce the number of times it is needed to replace the waste toner bottles when using toner refresh mode. The actual amount of waste toner disposed of at the toner refresh mode has been reduced. Therefore, the replacement of the waste toner bottle is less frequent than before and quantity of pages that can be printed until the replacement of the waste toner bottle has been increased.

	Version	Checksum	Label Name	U-No	Rom Type
Engine	A007	8996	EB01KA007	U3	2Mbit-Flash ROM

> ***Affected Machine Serial Numbers ver. A007:***
>
> **FS-1800+**:   VAK2Y57833 and later

ENGINE ROM UPGRADE   **FS-1800(N)**

- **Version A011 to A012**

Change:

When implementing the toner refresh mode, a black band is developed in between pages printed and can be executed as a measures for faint image at low coverage printing. This toner refresh mode process results however in an increase of waste toner and involves more frequent replacement of waste toner bottles. The engine firmware has been upgraded to reduce the number of times it is needed to replace the waste toner bottles when using toner refresh mode. The actual amount of waste toner disposed of at the toner refresh mode has been reduced. Therefore, the replacement of the waste toner bottle is less frequent than before and quantity of pages that can be printed until the replacement of the waste toner bottle has been increased.

	Version	Checksum	Label Name	U-No	Rom Type
Engine	A012	AC95	E37KA012	U3	2Mbit-Flash ROM

> ***Affected Machine Serial Numbers ver. A012:***
>
> **FS-1800(N)**:   October 2002 production and later