SB Number:	**SB 2DA-011**	Creation Date: **22/01/2007**
Subject:	***Firmware upgrade, measures against NG message in U130***	
Model:	**KM-1650/2050/2550**	

Contents of changes

	Item	Contents
1	A solid black image appears after canceling low power mode – *For KM-2550*	After ending low power mode, a solid black or gray image may appear. This due to poor fixing or incorrect timing. **CHANGE** After ending low power mode, the machine should wait reach a stable condition in which it can output. Due to a timing error, it sometimes judges itself to be in stable operating condition when ending low power mode. This been adjusted and corrected.
2	Support for the new energy saving standard – *For KM-1650/2050*	To support the Blue Angle and Energy Star standard, changes are made as follows: – Changed the default time of shifting to low power mode 15 minutes → 9 minutes – Changed the default time of shifting to auto sleep mode: 30 minutes → 19 minutes
3	Measures for the 'NG'-message at toner installation. – *For KM-2550*	When performing U130 ("Initial setting for the developing unit") to regulate the flowability factor of toner in a high temperature and high humidity environment, "NG" may be displayed before finishing without finalising your settings within the specified time (10 minutes). This has been changed as follows: **CHANGE** When U130 "Initial setting for the developing unit" is not completed in 10 minutes, the process can be extended to a maximum of 15 minutes. – When finishing within 10 minutes, it is finalized in the first 'window'. – If you cannot finish within 10 minutes, the 'window' is extended to a maximum of 15 minutes. – When finishing in (window 2) 10 -15 minutes, the main motor will be driven for the next 3 minutes. – When the setting cannot be made within 15 minutes, "NG" will be displayed. * When performing "U130", the amount of time left is displayed as usual during the first 10 minutes. After that, the counter will display "0" and will be blinking untill the installation is complete. (In the last situation, it will display if it is finished successfully or failed.) Please do not finish while "0" in the copy quantity display is blinking because it is still processing the initial setting.

Upgraded firmware specifications:

Type	Program number	Check SUM	Version	Remarks
MAIN	2DA29178M	D546	Ver.130	
ENGINE	2FT29107N	85DC	Ver.84	For KM-2550

The following serial numbers represent the machines which are produced with the latest firmware:
KM-2050:   AGJ3098441-
KM-1650:   AGK3085645-
KM-2550:   AKA3059561-