

SB Number:	SB 2AV-035	Issue Date: 22/10/2002
Subject:	Firmware upgrade (added media types etc.)	
Model:	KM-1530 / 2030, KM-1525	

Please be informed that the software for the KM-1530 / 2030 and KM-1525 has been upgraded as follows.

CONTENTS OF CHANGES

Item	Remarks																						
1 C011 (= 'Backup memory data problem')	Phenomenon If the power source is turned on, or if initializing (U021) is executed (after executing U002 (= 'Setting factory default'), the count of C011 (= 'Backup memory data problem') is increased with 1. (This problem occurs when using 2AV68220A.)	2AV68221B 2AX68099K 2BV68015G																					
2 Detection of JAM 40	Cause & Correction To prevent detection of JAM40, the software has been changed so that switch detection is not active for 100 msec after the registration switch has turned off by the trailing edge of the paper.	2AV68221B 2AX68099K 2BV68015G 2BV68021B																					
3 Different original paper sizes	Phenomenon Usually if the machine switches to a different paper size, the paper that is in the finisher first needs to be ejected. However, the next paper feed may actually start before the paper in the finisher is ejected. As a result, a paper jam may arise.	2AX6809AL																					
4 Addition of media type Affected printer firmware: Version 66.06.02	Addition of paper 'media types': <table><thead><tr><th>Media type</th><th>Bypass</th><th>Cassette</th></tr></thead><tbody><tr><td>Preprinted</td><td>O</td><td>O</td></tr><tr><td>Bond</td><td>O</td><td>O</td></tr><tr><td>Vellum</td><td>O</td><td>X</td></tr><tr><td>Rough</td><td>O</td><td>O</td></tr><tr><td></td><td>(No change)</td><td></td></tr><tr><td>Prepunched</td><td>O</td><td>O</td></tr></tbody></table>	Media type	Bypass	Cassette	Preprinted	O	O	Bond	O	O	Vellum	O	X	Rough	O	O		(No change)		Prepunched	O	O	2AX6809AL 2AX6802FZ 2AX6804FZ
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Prepunched	O	O																					
5 JAM 14	Phenomenon If machine continues after paper size mismatch has occurred during duplex printing from bypass, JAM14 may arise. Correction Software has been changed so that duplex printing is done normally.	2AX6809AL																					
6 Incorrect image size (different paper sizes)	Phenomenon If different paper sizes are ejected to the finisher in printer mode and the operation of the machine is stopped and restarted just at the moment of paper size change or at 'paper empty' an incorrect image size may be produced.	2AX6809AL																					
7 Printer EURO letters support	Roman-9 and PC-858 are added to the selection of printer menu, emulation and PCL 6 code set.	2AX6802FZ 2AX6804FZ																					

8	Error messages	<p>Phenomenon If in duplex print mode paper is ejected to finisher and the paper feed path is changed from cassette to the bypass with APS (Auto Paper Select) during print interruption, the error messages 'Bypass-duplex is not available' and 'Bypass-finisher ejection is not available' should be indicated. Instead however 'Data processing' is indicated, but printing does not restart.</p> <p>After change The error messages 'Bypass -duplex is not available' and 'Bypass-finisher ejection is not available' will be indicated.</p>	2AX6802FZ 2AX6804FZ
9	RAM problem	<p>Phenomenon When the backup ram is being accessed at the time the main switch is turned off, data may become corrupted, because the voltage to the backup ram is not 5 volts anymore, but much lower. As a result, Backup RAM problem may arise.</p> <p>After change Software has been changed so that backup ram is not accessed with power source OFF detection.</p>	2AX6809BM 2AV68223D 2BV68016H 2BV68031B
10	Fan operation in sleep mode	When printer function is installed in copier main body, fan will turn on at half speed in sleep mode. Software has been changed so that fan stops in sleep mode.	2AX6809BM 2AV68223D

Overview of firmware versions

	MAIN KM-1530	MAIN KM-2030	OPERATION EUR KM-2030	MAIN KM-1525
	2AV6822__	2AX6809__	2AX6804__	2BV6802__
May, 2002	'1B'	'9K'	'EY'	'1B'
June, 2002	'1B'	'9K'	'EY'	'1B'
July, 2002	'1B'	'AL'	'FZ'	'1B'
September, 2002	'3D'	'BM'	'FZ'	'1B'

ROM Table

No.	Part No. OLD	Part No. NEW	Description	Q'ty Old/New		Interchange- ability	
1	2AV68220	2AV68223	IC, ROM MAIN 3 SP	1	1	X	O
2	2AX68098	2AX6809B	IC, ROM MAIN 1 SP	1	1	X	O
3	2AX6804E	2AX6804F	IC, ROM OPERATION UNIT 1 SP EUR	1	1	X	O
4	2BV68021	2BV68021	IC, ROM MAIN 1 SP	1	1	X	O

ROM Details

	Seal No.	Checksum	ROM speed	Notes
MAIN 3	2AV68223D	FBAB	100 ns	For KM-1530
MAIN 1	2AX6809BM	5048	100 ns	For KM-2030
OPERATION EUR)	2AX6804FZ	13A1	100 ns	For KM-2030
MAIN B	2BV68021B	2596	100 ns	For new type of KM-1525 (changes to 'Main PCB' and 'Power Source PCB') => please refer to SB 2AV-032 .
MAIN 1	2BV68016H	0515	100 ns	For old type of KM-1525 (changes to 'Main PCB' and 'Power Source PCB') => please refer to SB 2AV-032 .

Field Measure

If any of the phenomena arises, please upgrade firmware to mentioned versions or later.
In order to enable the added media types (item 4.), please make sure to upgrade printer firmware to version 62.06.02 or later.

Details affected machine serial numbers:

	KM-1530	KM-2030	KM-1525
May, 2002	37039656 and later	37063840 and later	X3017220 and later
June, 2002	↑	↑	↑
July, 2002	↑	37070614 and later	↑
September, 2002	37050968 and later	37082755 and later	↑