

Service Bulletin

SB Number:	SB 2AV-021	Issue Date: 28/11/2001
Subject:	Firmware upgrades	
Model:	KM-1530 / 2030, KM-1525	

Please be informed of the following 2 firmware upgrades for the KM-1530 / 2030 and KM-1525 and its contents.

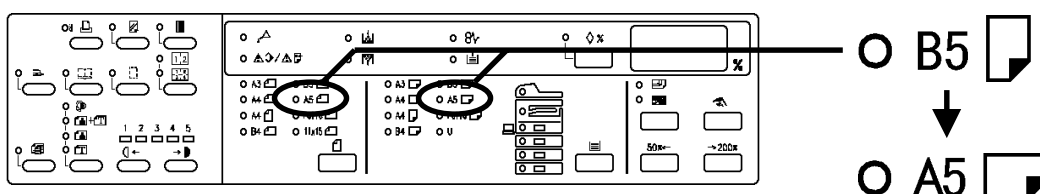
F/W UPGRADE 1. (for KM-1530 only)

ROM MAIN: 2AV6806B → 2AV6806C

Contents of changes

1. Change of an indication on the operation section

In order to meet the demand from the field, the 'B5 size' indication and original size LED on operation section has been changed to A5R.



2. Addition of U991 (= 'Scanner counter') for KM-1530 only

The maintenance mode U991 has been added so that the quantity (total number of copy / fax mode) of scanned originals can be checked and set.

Method

- Move to the indication lamp of copy density by using the density adjustment keys and select this setting.
- Change the setting value by using the magnification up/down keys.

Density indication	Description	Setting range
Exp.1	First 3 digits	000 ~ 999
Exp.2	Last 3 digits	000 ~ 999
Exp.3	Clear	----

- Press the start key. The value is set.

3. Correction of a malfunction

Phenomenon

If recovery process has started after the occurrence of a paper jam on DF and the start key is pressed within 0.5 sec from the recovery and immediately after the stop key is pressed again, the machine may lock.

Correction

Software is changed so that the machine is not locked even if the stop key is pressed just after the recovery is started.

Field Measure

If any of the mentioned phenomena arise, please upgrade the F/W to below version or later.
In order to make change no. 1 (change of indication on operation section) effective, the 'LEFT SHEET, OPERATION UNIT (METRIC)' needs to be replaced at the same time. See following table.

Parts / ROM Table F/W UPGRADE 1.

No.	Parts No. OLD	Parts No. NEW	Description	Q'ty old-new	Interchange- ability		
1	2AV6806B	2AV6806C	IC, ROM MAIN 1 SP	1 / 1	X	X	2AV6806CU, Checksum: 039D, 100 ns
2	2AV25230	2AV25231	LEFT SHEET, OPERATION UNIT (METRIC)	1 / 1	X	X	

Affected Machine Serial Numbers F/W UPGRADE 1.:

- **KM-1530:** 37020289 and later

F/W UPGRADE 2.

ROM MAIN: 2AV6806C → 2AV6806D

Contents of changes

1. Addition of U882 (= 'Fax software switch') for KM-2030 only

U882 has been added so that the software switches of fax board can be changed if necessary.

Note: For the actual operation of U882, the firmware of the fax board needs to be upgraded to Ver. 2.10 or later. More details about the usage of software SW will follow in a later Service Bulletin.

2. Addition of U991 (= 'Scanner counter') for KM-1525 only

Addition of U991 for **KM-1525** => for contents of U991, please refer to page 1, point 2. of this bulletin.

Addition of U991 for **KM-1530** => refer to page 1, point 2 of this bulletin.

Addition of U991 for the **KM-2030**, please refer to Service Bulletin **2AV-009**.

3. Reducing fixing offset / Preventing severe change in temperature

Fixing offset

Phenomenon

Fixing offset

Cause

So-called 'overshoot' of fixing temperature.

Measure

The timing that the lamplight turns on has been put forward during machine stabilization.

Preventing changes in temperature

To prevent an abrupt change in temperature and its consequences, the interval that the heater turns on has been reduced so that the change in temperature during the control becomes milder.

4. Change of J97 to C043

J97 is displayed if an error arises on the memory copy board.

⇒ Software has been changed so that instead of J97, C043 is displayed as a system error.

Service Bulletin

5. Change of display of J95/J98

If J95 arises regularly during printer output, sometimes the machine does not restore from it naturally. Therefore the following indication has been added to instruct the user to turn the power source off & on again if J95 or J98 is arising continuously.

7-segment display: 'A000'
LDC indication: 'Turn on/off power source' or
'Pull out and insert the power source plug.' (if fax is installed)

A leaflet including the above indication will be packed together with the machine.

Page 4 of this bulletin is this explanation leaflet.

Parts / ROM Table F/W UPGRADE 2.

No.	Parts No. OLD	Parts No. NEW	Description	Q'ty old-new	Interchange- ability		Notes
1	2AV6806C	2AV6806D	IC, ROM MAIN 1 SP	1 / 1	X	O	For KM-1530
2	2AX68092	2AX68093	IC, ROM MAIN 1 SP	1 / 1	X	O	For KM-2030
3	2AX68049	2AX6804A	IC,ROM OPERATION UNIT 1 SP (EUR)	1 / 1	X	O	For KM-2030
4	2BV68010	2BV68011	IC,ROM MAIN 1 SP	1 / 1	X	O	For KM-1525

ROM Details F/W UPGRADE 2.

	ROM type	Seal No.	Checksum (Gang / Pecker)	ROM speed	Notes
No.1	Main 1	2AV6806DV	C5D6	100 ns	For KM-1530
No.2	Main 1	2AX68093D	9374		For KM-2030
No.3	Operation (EUR)	2AX6804AU	6444		For KM-2030
No.4	Main 1	2BV68011C	0B17		For KM-1525

Affected Machine Serial Numbers F/W UPGRADE 2.:

- **KM-1530 / 2030, KM-1525:** from production of July, 2001 and later

Troubleshooting

1. If “J95”, “J96” or “J98” appear on the operation panel

Check for any paper misfeeds and remove the jammed paper.

2. If “J00” appears on the operation panel

The jammed paper still remains inside the copier.

Remove all jammed paper remaining inside the copier.

3. If system error message and “A000”, “C005” or “C006” appear on the operation panel

They may appear due to the following reasons.

*A problem occurred during performance of the communication with peripheral equipment, such as Fax or Printer.

* The copier could not function properly due to the noise emission.

Implement the following procedure

3-1 If machine is equipped with Fax

Remove the power plug from the outlet. Make “printer resetting” from your computer (if the machine is used as a Printer) while it is printing out text. Connect the power plug to the outlet after you wait at least for 5 seconds. For the interrupted job, perform the printing out procedure again.

3-2 If machine is not equipped with Fax

Turn the main switch OFF and turn the main switch ON again after you have waited for at least 5 seconds.

Implement the same procedure as mentioned above if the machine is used as a Printer.

お願い

1. “J95”、“J96”、“J98” 表示発生時の処理方法

上記が表示された場合は、紙が詰まっていないか確認し、紙が詰まっていた場合は、取り除いてください。

2. “J00” 表示発生時の処理方法

紙詰まりの紙が残っていますので、紙を取り除いてください。

3. システムエラー表示、または “A 000”、“C 005”、“C 006” 表示発生時の処理方法

ノイズ等による誤動作や、FAX、プリンタ等々、周辺機器との通信異常時に上記表示が発生する場合があります。下の手順に従って処理してください。

3 - 1 【FAX機能付きコピー機の場合】

電源プラグを抜き、プリンター出力時はリセットをPC側で行って下さい。5秒以上待って、再度電源プラグを入れて下さい。プリンター出力は再出力をお願いします。

3 - 2 【FAX機能が無いコピー機の場合】

メインスイッチを一度OFFにしてください。5秒以上待って、再度ONしてください。プリンター出力時は上記と同じ方法で、再度出力してください。