

# Service Bulletin

<b>SB Number:</b>	<b>SB 2BJ-019</b>	<b>Issue Date: 28/10/2002</b>
<b>Subject:</b>	Firmware upgrade (Main: 2BJ2973E / MMI: 2BJ29284F)	
<b>Model:</b>	<b>KM-2530 / 3530, KM-4030</b>	

Please be informed of the contents of changes of latest firmware upgrades for KM-2530, KM-3530 and KM-4030.

	<b>Seal No.</b>	<b>File name (after decompressing)</b>
<b>MAIN</b>	2BJ29273E	P2BJ2927.3E1
<b>MMI</b>	2BJ29284F	P2BJ2928.4F0
<b>LANGUAGE E</b>	2BJ29302C	P2BJ2930.2C2

## OVERVIEW CONTENTS OF CHANGES

	<b>Item</b>	<b>Remarks</b>	
1	'Printer account system' function added.	Departmental management in Printer mode. Specifies the printer usage for each department. (More details will follow in a later SB!)	Main '2D' MMI '2D' LAN. '1B'
2	'Multiple transmission' function for network scanner. Refer to <a href="#">page 4</a> for more details.	Software has been changed so that after network scanner transmission, retransmission is available with same settings. This function is only for PC transmission and E-mail transmission; 'Database connection' function is not affected.	Main '2D' MMI '2D' LAN. '1B'
3	'File name priority input' for network scanner.	The 'file name input' has been moved from the 'Edit' tab to the 'Basic' tab.	Main '2D' MMI '2D' LAN. '1B'
4	'Sender selection omission' function for network scanner. Refer to <a href="#">page 4</a> for more details.	The scanner operation has been simplified so that if there are only a small number of users and the 'Select sender name' screen is in fact not necessary, it can be omitted. (instead the user registered under 001 is used.)	Main '2D' MMI '2D' LAN. '1B'
5	U506 added. 'Timeout setting' function for network scanner.  Refer to <a href="#">page 4</a> for more details.	When doing 'Scan To E-mail', it may occur that some specific user cannot access SMTP, because timeout of communication with SMTP server is 10 sec. <b>Change</b> U506 (= 'Network scanner connection timeout') has been added so that the timeout of communication is adjustable.	Main '2D' MMI '2D'
6	U967 added. Department control limit number has been changed.	<b>Before change</b> Maximum number of sheets by department is limited to steps / units of 1,000 sheets. (so 1000, 2000, 3000 etc..) (maximum number of sheets = 999,000). <b>Change</b> With the addition of U967 (= 'Setting the max. number of sheets of department control'), the maximum number in units can be set more detailed than 1000 sheets per step. 1 sheet unit (max. 999 sheets) in units of 10 sheets: (max. 9,999 sheets) in units of 100 sheets: (max. 99,900 sheets) in units of 1,000 sheets: (max. 999,000 sheets) (Default setting = by 1,000 sheet)	Main '2D' MMI '2D'
7	U328 added. Printer face-up <u>side ejection</u> function	<b>Change</b> Software has been changed to make side ejection of prints possible even if only AK-70C is installed. The above function is effective only after enabling this function in newly added maintenance mode U328. In addition, firmware for printing system must be version 72.10.03 or later.	Main '2D' MMI '2D'

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8	Maximum number of original scanning through network scanner: 250 sheets to <b>900</b> sheets.	Transmission through network scanner changed from 250 sheets to 900 sheets in the same way as copier.	Main '2D' MMI '2D'
9	Printer locks	<b>Phenomenon</b> If mailbox ejection is changed to finisher ejection continuously, printer may lock while displaying 'Processing'.	Main 2D
10	<b>Booklet copy R</b> (longitudinal) direction	<b>Phenomenon</b> Presently if booklet copying, an R original (longitudinal direction) is out of specification: if R (longitudinal) direction original is copied in booklet mode, 2 in 1 copy is functioning without performing rotation copy => then the image on trailing edge of the original is cut halfway. <b>Correction</b> Software has been changed to enable correct booklet copying with an R original (longitudinal direction).	MMI '2D' LAN. '1B'
11	No error message in multiple scanning setting after setting to '2 in 1' or 'booklet'.	<b>Phenomenon</b> When the setting of multiple scanning is changed to 'ON' after setting '2 in 1' or 'Booklet', rotation copy is prohibited. In such a case an 'error message' should be indicated depending on the direction of original. However, because APS processing (error detection) is not done in above case, the original can simply be scanned without the indication of an error message. As a result, the printing is out of position.	MMI '2D'
12	Priority order of messages at printer toner empty.	<b>Phenomenon</b> When 'toner empty' and 'paper mismatch' occurs during printer output, on copy screen, "Now printing. Please feed toner." is indicated. <b>Cause</b> The indication of 'toner empty' takes priority over the printer error status. <b>Correction</b> Priority order of the message has been changed so that "Printer error occurs" is indicated in above situation.	MMI '2D'
13	Printer interface selection screen	<b>Phenomenon</b> On the screen of interface change in printer menu, the indicated interface does not return even if "Return" button is pressed after changing the interface. <b>Cause</b> The process that restores the indicated data is missing.	MMI '2D'
14	'Next' button is falsely indicated as 'Down'.	<b>Phenomenon</b> When e-MPS quick copy job or personal save data is output, "Next" button on user selection screen is indicated as "Down".	MMI '2D'
15	Malfunction at bypass setting on printer mismatch screen	<b>Phenomenon</b> If bypass setting button is pressed while a 'printer mismatch' screen is shown, 'Now data processing' message is indicated for an instant. <b>Cause</b> Buffer size that is used for bypass undefined size setting is not correct, and a notification of size setting change is sent to controller. <b>Correction</b> Buffer that is used for bypass non-standard size setting is changed from CHAR to SHORT so that the notification of size setting change is not sent to controller.	MMI '2D'
16	Sound of touch panel at printer reset	<b>Phenomenon</b> If printer reset is executed after entering the printer default settings from default setting menu, the touch panel continues to produce a sound. (The sound stops with reset key etc..)	MMI '2D'
17	Printer RAM disk e-MPS support	Software has been changed so that the e-MPS button is indicated on printer screen, and e-MPS can be used when RAM disk 'ON' is set.	MMI '2D'

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18	Bypass non-standard size setting is not released.	<p><b>Phenomenon</b> If the machine outputs print data after a bypass non-standard size setting was executed on the copy screen, and the operation stops due to paper empty etc., the bypass non-standard size setting of the copy job is not released.</p> <p><b>Correction</b> Software has been changed so that bypass non-standard size is released and auto detection is performed.</p>	MMI '2D'
19	NW scanner function does not respond.	<p><b>Phenomenon</b> If the default setting key is pressed if the scanning limit is exceeded, the network scanner function can no longer be used.</p>	MMI '2D'
20	Operation locks (during network scanner transmission).	<p><b>Phenomenon</b> If the LAN cable is pulled out while machine is in the middle of forwarding a transaction report of network scanner, the operation locks and machine indicates the message 'Data forwarding'.</p>	MMI '2D'
21	Network scanner memory overflow	<p><b>Present status</b> If 'memory over' or 'limit over of E-mail transmission size' occurs with original scanning on network scanner, only the 'stop/clear' key or 'cancel' button can be pressed. Thus, in above case, it is in fact only possible to stop scanning.</p> <p><b>After change</b> If 'memory over' or 'limit over of E-mail transmission size' occurs, the following message will be indicated on the operation section: <i>'By pressing 'start key' the scanned data is transmitted.'</i> <i>'To cancel transmission, please press 'stop/clear' key.'</i> If start key is pressed, the image data that has already been scanned is sent.</p> <p>In addition, the message that is indicated when the limit of E-mail transmission data is exceeded has been changed as follows. OLD: "E-mail transmission is unavailable because the limit of data size is exceeded" NEW: "The limit of E-mail transmission is exceeded"</p>	MMI '2D' LAN. '1B'
<b>MMI: 2BJ2928 '2D' → '4F'</b>			
22	Change of copyright year indication on webpage of network scanner.	The indication of copyright year on Web page of scanner has been changed from <2001> to <2001 - 2002>.	
23	If in departmental control mode the energy save key is pressed while engine drives, copy function is not available.	<p><b>Phenomenon</b> If during engine drive, a department code is input in department control mode and the screen changes to copy basic screen and at the same time the energy save key is pressed, the start LED will go off and copying function is not available. (This malfunction can be solved by reset, auto clear or function change)</p> <p><b>Correction</b> Software has been changed so that the energy save key does not function while engine drives.</p>	
24	With 3000 sheets finisher installed, the indication of 'staple empty detection' is missing.	<p><b>Phenomenon</b> On 3,000 sheets finisher, if both staple units at inner and front side are empty, the 'empty status' is not indicated.</p> <p><b>Correction</b> Software has been changed so that the status of staple empty is indicated.</p>	
<b>MAIN: 2BJ2927'2D' → '3E'</b>		<b>MMI: 2BJ2928 '2D' → '4F'      FONT B: 2BJ2930'1B' → '2C'</b>	
25	Detection of cassette lift motor problem <b>C1010:</b> 1st cassette <b>C1020:</b> 2nd cassette <b>C1030:</b> 3rd cassette <b>C1040:</b> 4th cassette	<ol style="list-style-type: none"> <li>The message indicated on operation section when detecting lift motor problem has been changed as follows. <i>'Please set cassette.'</i> =&gt; <i>'Please pull cassette out and check paper status.'</i></li> <li>Software has been changed so that a guidance screen is indicated when the cassette that detects lift motor problem is selected from the 'basic' tab on copy function screen.</li> <li>Software has been changed so that if cassette lift motor problems are detected 4 times in a row, a service call will be indicated. (Before change, this was 2 detections)</li> </ol>	

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26	Preventing <b>cassette lift motor</b> from being damaged	<p>1. Cassette lift motor 'ON' timing has been adjusted as follows.  <i>"The message that instructs to reinsert the cassette is indicated when the upper lift limit switch does not turn on even if cassette lift motor has turned on 3 times for period of 6 sec. Then if cassette has been reinserted and above status does not change, a service call is indicated."</i></p> <p style="text-align: center;">↓</p> <p><i>"The message that instructs to reinsert the cassette is indicated when the upper lift limit switch does not turn on even if cassette lift motor is turned on 2 times for 6 sec each. After cassette is reinserted, if the above status is not changed, service call is indicated."</i></p> <p>2. Lift motor will stop if the machine detects excessive current.          If excessive current detection signal is continuously sent for 500 ms or longer, lift motor will stop and the message that instructs the user to reinsert the cassette is indicated.</p>
27	' <b>Stitching cover insertion</b> ' function has been added for booklet copying Refer to <a href="#">page 5</a> for more details.	<p>The function of cover insertion has been added to booklet copy mode.          Cover sheet can be fed from bypass only.          This is a common function with KM-4530/5530 and KM-6330. The only difference is that on KM-2530/3530/4030, the cover sheet can be fed from bypass only.</p>

**Details item 2.**

**Multiple / Continuous transmission function for network scanner**

Either 'Multiple transmission' (continuous sending) or 'Single transmission' (sending) can be set on the 'Ready to scan' screen. If 'Multiple transmission / continuous sending' is set to ON, the machine scans the image and transmits the data. After that, the same settings remain active and can be used for the next transmission (until auto clear sets in). Default values can be set as 'Single transmission / send (OFF)' or 'Multiple transmission / Continuous send (ON)' in user default settings.

**Note**

In compliance with this new function, 'dual operation' is no longer available. This means that during scanner transmission, it is not possible to use other functions, for example copying or faxing.

**Details item 4.**

**'Sender selection omission' function for network scanner.**

If on the default settings screen, 'Selection of senders (users)' is set to on, the "Select sender name" screen is **not shown** and the user is taken directly to the "Ready to scan" screen to input the destination and scanning conditions. If 'PC transmission' / E-mail transmission' button is pressed, in sender selection omission mode, the screen will change to "Ready to scan" at once. If there is no sender registered under No.1, the error message 'Please register sender.' will be indicated. If a password of the sender has been set, the screen changes to password input. If the password is correct, the screen will change to 'Ready to scan', but if not 're-input' is required.

**Caution:**

"001" is considered as the sender. As a result, 001 must have a sender recorded. (If a password is recorded, the password input screen will be displayed.)

**Note**

\* On the webpage, up to 40 senders can be registered as before. \* Sender selection omission is available in all modes. \* 'Sender selection omission ON/OFF' selection has been added to the user default settings.

**Details item 5.**

**' Timeout setting' function for network scanner.**

When doing 'Scan To E-mail', it may occur that some specific user cannot access SMTP, because timeout of communication with SMTP server is 10 sec.

**U506** (= 'Network scanner connection timeout') has been added so that the timeout of communication is adjustable. Timeout can be fixed as follows.

<b>Connection timeout to network scanner</b> (sets timeout when connecting to server)	
Unit	in seconds
Range	10 to 120 sec. (steps of 10 sec.)
Default value	10 sec.
Affected functions	EMAIL / Logmail / PC transmission, AddressBook, Database link, NW FAX reception

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## User Default Settings

In accordance with the addition of the functions / changes 'Multiple transmission', 'File name priority input' and 'Sender selection omission'. the following selections have been added to the scanner user default settings.

- 'Multiple transmission':

With this setting, you can fix whether to return to "Ready to scan" or to scanner basic screen after scanning and transmission: 'ON' or 'OFF'.

- 'File name priority input':

With this setting, you can fix whether the button for file name input is moved to basic screen or not: 'ON' or 'OFF'.

- 'Sender selection omission'

Omit the sender selection, and use the registered No.1 sender for transmission setting: 'ON' or 'OFF'.

The settings are active as follows. Please change if desired.

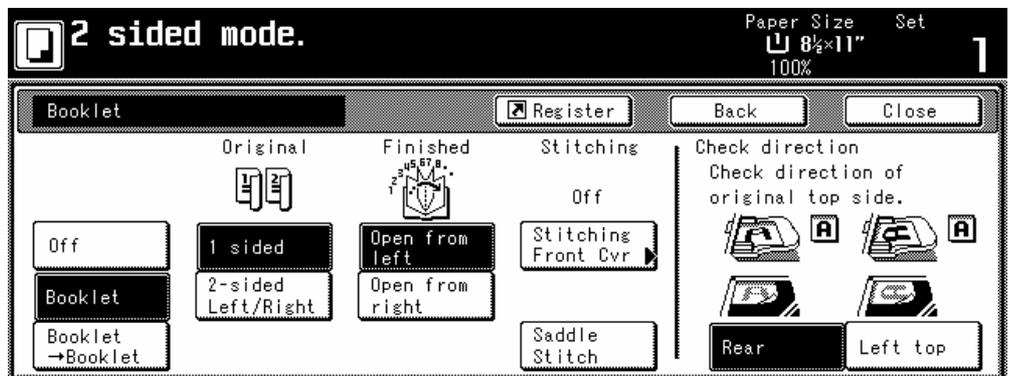
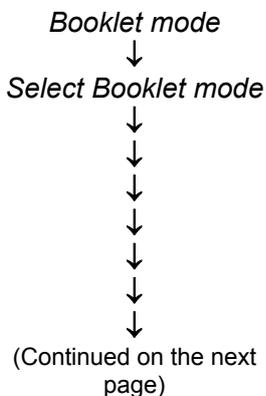
### Factory machine settings (machines already containing firmware level mentioned in this bulletin)

Multiple transmission	ON
File name priority input	ON
Sender selection omission	ON

### Machine settings after upgrading firmware on field machines

Multiple transmission	OFF
File name priority input	OFF
Sender selection omission	OFF

### Details item 27.) Adding the function of stitching cover insertion for booklet copy



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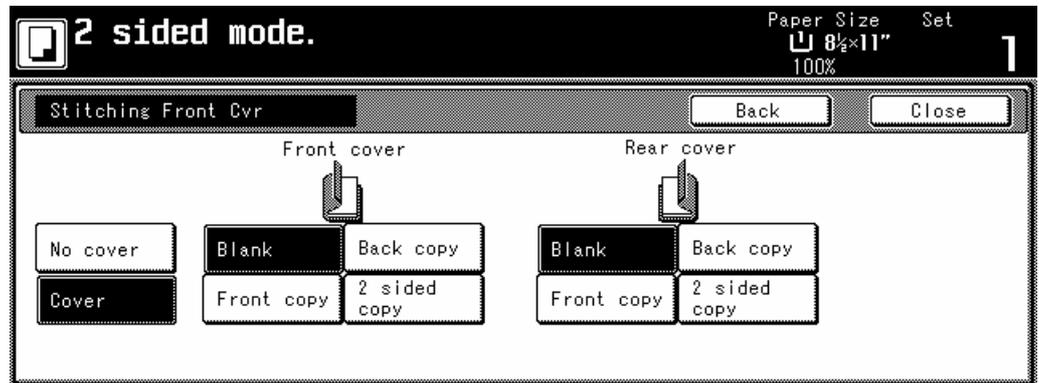
Select *Stitching Front Cover mode*



Select *"Cover"*



Cover paper can be fed from bypass!



## Firmware details

	Seal No.	File name (after decompressing)
MAIN	2BJ29273E	P2BJ2927.3E1
MMI	2BJ29284F	P2BJ2928.4F0
LANGUAGE E	2BJ29302C	P2BJ2930.2C2

## History

	MAIN	MMI	LANGUAGE E
June, 2002	2BJ2913HU	2BJ2914DQ	2BJ29166H
August, 2002	2BJ29271C	2BJ29281C	2BJ29166H
September 2002	2BJ29272D	2BJ29282D	2BJ29301B

### Note:

Please be informed that the **MMI F/W version 2BJ29283E** contained a minor bug. Therefore please make sure to upgrade all ROM's to above versions (Main: '3E' / MMI: '4F' / Language E: '2C') or later as a set.