

Service Bulletin

SB Number:	SB 2AV-009	Issue Date: 22/06/2001
Subject:	Details about firmware upgrade version for Scan system (A)	
Model:	KM-2030	

As mentioned in **SB 2AV-005**, it is necessary to install the following ROM versions or later at the same time, when installing the Scan system (A) to the KM-2030.

ROM MAIN: 2AX68091B
ROM OPERATION: 2AX68048S

This service bulletin describes more details about the additional changes in this latest software version.

Contents of Changes

CHANGES IN RELATION TO THE NETWORK SCAN SYSTEM (A):

The following maintenance modes and C calls have been added.

Maintenance modes

U025: 'Scanner NIC firmware upload'
U338: 'Set E-mail size limit'
U502: 'Set continue scan mode'
U991: '(Clearing) scanner counter'

C calls


C004: 'Abnormality with Scanner NIC'
C025: 'Abnormal Scanner NIC communication'

Details about added maintenance modes:

U025 = 'Scanner NIC firmware upload'

This maintenance mode can be used if the usual way of uploading scanner NIC fails.

Usage of U025

1. Disconnect the power plug from the socket and change the position of the Scanner NIC's jumper SW1 as indicated in following figure.

2. Insert the power plug again and enter simulation mode U025.
3. Select [EXECUTE] with the cursor keys and then press the 'START' key. (Now scanner NIC firmware updating function is enabled.)
4. Use the firmware upload tool to upgrade the NIC's firmware on a with a network cable connected PC.
5. Switch the power source off after the uploading is completed, disconnect the power plug and restore the NIC's DIP SW1 back to its original position.
6. Then insert the power plug again and check the following 2 items.
 - Browse via the PC to the NIC's webpage and confirm the firmware version.
 - Confirm that the C call C004 is not being displayed on the machine's operation panel.

Service Bulletin

U338 = 'Set E-mail size limit'

Setting with which it is possible to control the number of original pages sent out as E-mail.

Setting method

1. Select one of the following settings by using the cursor keys.

Indication	Setting contents
LITTLE	small size (512 kb) = Default value!
MEDIUM	middle size (1024 kb)
LARGE	large size (2048 kb)
UNLIMITED	no limit in size

2. Press the 'START' key to validate a setting.

Note:

The actual size control is independant from the original's compression rate, but relates to the mode (text or mixed), resolution and original size. The control works with average guidelines.

For Example:

A4 size, Text mode, 300 dpi => LITTLE = 4 pages, MEDIUM = 10 pages, LARGE = 20 pages.

U502 = 'Set continue scan mode'

User setting to set the default value for the scanner functionality continuous scanning.

Setting method

1. Select the desired setting with the cursor keys.

indication	Setting contents
ON	'Continuous scanning' will be set as default.
OFF	'Continuous scanning' is not set as default. * = Factory setting

2. Validate by pressing the 'START' key.

U991 = '(Clearing) scanner counter'

Setting / confirmation of number of scanned originals (total value of copy / fax / scanner mode)

Setting method

1. Select [COUNT] by using the cursor keys.
2. Enter a value up to 6 digits.
3. Press the 'START' key and the total counter will be set.

Clearing method

1. Select [CLEAR] by using the cursor keys.
2. Press the 'START' key and the total counter value will be cleared.

Service Bulletin

CORRECTIONS OF OTHER ITEMS

1.

Phenomenon

Machines equipped with both the printer and fax functionality should not receive print jobs while the machine is in sleep mode. This is according to specifications.

There is however one exception, namely; a print job can be received by the machine when the fax is outputting. However if after that the main switch is turned on, a misdetection of a jam will arise.

Correction

Software has been corrected so that no print job can be received by the machine while it is in sleep mode.

2.

Phenomenon

The machine will lock if the 'START' key is pressed and immediately after that (within 0.5 sec.) the 'stop/clear' key at the time of DF jam recovery. (Turning the main switch off and on solves this phenomenon).

Correction

Software has been upgraded so that the machine will not lock even if the 'stop/clear' key is pressed just after DF jam recovery has started.

3.

Phenomenon

A machine equipped with both fax and printer functionalities will lock (directly after completion of fax output) if the main switch is turned off while the machine is receiving a print job and at the same time is outputting a fax. (By pulling the power plug from the outlet, this phenomenon can be solved.)

Correction

Software has been corrected so that in the above situation the machine will not lock.

ROM Table

Item No.	Parts No. OLD	Parts No. NEW	Description	Q'ty old-new	Interchangeability
1	2AX68090	2AX68091	IC, ROM MAIN 1 SP	1 / 1	O / O
2	2AX68047	2AX68048	IC, ROM OPERATION UNIT 1 SP (EUR)	1 / 1	O / O

ROM Details

Item No.	Type	Seal No.	Checksum (gang / pecker)	ROM speed
1	IC, ROM MAIN 1 SP	2AX68091B	D36F	100 ns
2	IC, ROM OPERATION UNIT 1 SP (EUR)	2AX68048S	AB5B	

KM-2030

(2AX68091B AND 2AX68048S installed in the machines)

37016921 and later

(Production of april 2001)