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| SB Number: | SB 2AV-022 | Issue Date: 29/11/2001 |
| Subject: | Firmware upgrades (U341 = 'setting paper drawer for printer output' etc..) | |
| Model: | KM-2030 | |

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

Firmware Upgrade 1.

2AX68091 → 2AX68092

Contents of changes

A.

Addition of U341 (= 'Setting paper drawer for printer')

The maintenance mode U341 has been added to meet the demand from the field. With this mode, an exclusive drawer for the printer can be allocated. This exclusive drawer will after that not be used for copy or fax, but only for printer output.

Setting method

- Select the paper drawer by using the up/down keys and press the start key.

| Display | Description |
|---------|------------------------|
| 1st | 1 st drawer |
| 2nd | 2 nd drawer |
| 3rd | 3 rd drawer |
| 4th | 4 th drawer |

- Select the setting for the exclusive paper drawer for prints by using the right/left keys.

| Display | Description |
|---------|----------------------------------|
| 0 | Normal setting |
| 1 | Setting paper drawer for printer |

- Press the start key. The setting is now fixed.

B.

Malfunctions with inner tray

- If a sheet of paper is output from the printer and it jams while it is being ejected from the finisher tray to the main tray, the next page printing may start before the re-initialization of the finisher has completed (after the jammed paper has been removed). As a result, another paper jam arises on the finisher.
- If a print job is output continuously, the printing of the next job in line may start before the initialization of the finisher has ended. As a result, a paper jam may arise on the finisher. This malfunction tends to arise if a small size 1 page job is printed.

→ Software has been corrected so that the next print will not be done if the initialization of the finisher is not completed.

ROM Table F/W upgrade 1.

| No. | Part No. OLD | Part No. NEW | Description | Q'ty old-new | | Interchange- ability | | Remarks |
|-----|-----------------|-----------------|--------------------------------------|-----------------|---|-------------------------|---|--|
| 1 | 2AX68091 | 2AX68092 | IC, ROM MAIN 1 SP | 1 | 1 | X | O | Seal No.: 2AX68092C Checksum: E9E9 ROM speed: 100 ns |
| 2 | 2AX68048 | 2AX68049 | IC, ROM OPERATION UNIT 1 SP (EUR) | 1 | 1 | X | O | Seal No.: 2AX68049T Checksum: 4A0B ROM speed: 100 ns |

Affected machines F/W Upgrade 1.:

KM-2030: Production of May 2001 and later

Firmware Upgrade 2.

2AX68092 → 2AX68093 → 2AX68094

Contents of changes

A.

The 'Scanner count' (= number of scanned originals) has been added to the 'Toner Coverage Report'.

B.

PHENOMENON & CAUSE

If the exposure lamp is lighting up continuously, in time the light quantity may decrease. As a result, image fog / a blurry image may appear.

MEASURE

Software has been changed so that a scanning value correction will be implemented after the exposure lamp has continuously lit at 20 sec. and at 60 sec.

C.

If during printer output, the maximum number of sheets for the finisher's main tray stack control (determined by setting value in U237 = 'adjusting number of sheets on finisher'), has been exceeded, the machine will temporary stop completely.

➔ Software has been corrected so that the same procedure as in copy mode will be implemented for printer output as well. (copy mode => if the max. quantity on finisher is exceeded, the display will give a message; "please remove paper from finisher and press start key to continue")

D.

Software has been corrected so that even if the key card / key counter is disconnected, the network scanner's send setting, original size selection and send size selection can be set normally.

E.

Software has been corrected so that [Delete] and [Format] in the printer menu items will not be indicated if CF card or RAM disc writing is prohibited. These 2 items used to be indicated even when CF card or RAM disc writing was prohibited.

The above correction is implemented in machines with printer firmware version **66.04.07** and later.

ROM Table F/W upgrade 2.

| No. | Part No. OLD | Part No. NEW | Description | Q'ty old-new | | Interchange- ability | | Remarks |
|-----|-----------------|-----------------|--------------------------------------|-----------------|---|-------------------------|---|--|
| 1 | 2AX68093 | 2AX68094 | IC, ROM MAIN 1 SP | 1 | 1 | X | O | Seal No.: 2AX68094E Checksum: E501 ROM speed: 100 ns |
| 2 | 2AX6804A | 2AX6804B | IC, ROM OPERATION UNIT 1 SP (EUR) | 1 | 1 | X | O | Seal No.: 2AX6804BV Checksum: 9616 ROM speed: 100 ns |

Affected machines F/W Upgrade 2.:

KM-2030: Production of August 2001 and later