

SB Number:	SB 2FP-006	Creation Date: 24/02/2005
Subject:	Changing System and Engine firmware	
Model:	FS-1920 / 3820N / 3830N	

Please be informed that the system and engine firmware for FS-1920/3820N/3830N has been upgraded as follows.

FS-1920N SYSTEM FIRMWARE

No.	Contents	Remarks
System version 156.06		
1	Supporting firmware network download function	F/W has been upgraded to support this function.
2	Changing paper feed specifications for PDF direct print (Match the paper feed specification to the specification of other companies.)	F/W has been upgraded to support this function.
3	If printing is performed using macro stored in PCL5E/CF, F030 error code might occur.	F/W has been upgraded to correct this phenomenon.
4	F-030 may occur with PCL-XL.	F/W has been upgraded to correct this phenomenon.
5	The graphic drawing position for PCL image might not be properly done.	F/W has been upgraded to correct this phenomenon.
6	The background color for KPDL might not be properly printed.	F/W has been upgraded to correct this phenomenon.
7	CF data cannot be written properly.	When data size is 1024*N+20 byte, the last 20 byte is not written. F/W has been upgraded to correct this phenomenon.
8	In the case of printing while switching paper feed cassette, the performance might go down.	Eliminate the waiting process when printing using certain kinds of Media Type.
9	Letters might get garbled on PCL-XL.	F/W has been upgraded to correct this phenomenon.
10	White lines might appear on the image.	F/W has been upgraded to correct this phenomenon.
11	The printing might be out of position when outputting data from a specific file.	F/W has been upgraded to correct this phenomenon.
12	Page break is made by inputting back slash.	The change is made so that page break is not made unless page break mark is inserted just before new page.
13	Specific letters cannot be printed in FM symbol set 13J.	F/W has been upgraded to correct this phenomenon.
14	KPDL might be locked.	The variable was not initialized in some parts of AGFA/TrueType font rasterizer. Therefore initialize the parts.

FS-1920

	Version	Checksum	Label Name	U-No	Rom Type
System	156.06	7BA7	SB20K15606	YS01	4MB-DIMM

FS-1920N ENGINE FIRMWARE

✓ Version A006 ⇔ A007 ⇔ A008

No.	Contents	Remarks
Engine A007		
1	Supporting firmware network download function	F/W has been upgraded to support this function.
2	Problem that narrow width paper might slack and jam at paper feed from PF-8E.	F/W has been upgraded to correct this phenomenon.

Engine A008		
3	Correcting overtime of toner installation time.	F/W has been upgraded to correct this phenomenon.
4	Increasing the tolerance of toner supply when printing high density image continuously	F/W has been upgraded.

FS-1920

	Version	Checksum	Label Name
Engine	A007	B26B	EB20KA007
Engine	A008	974C	EB20KA008

ENGINE

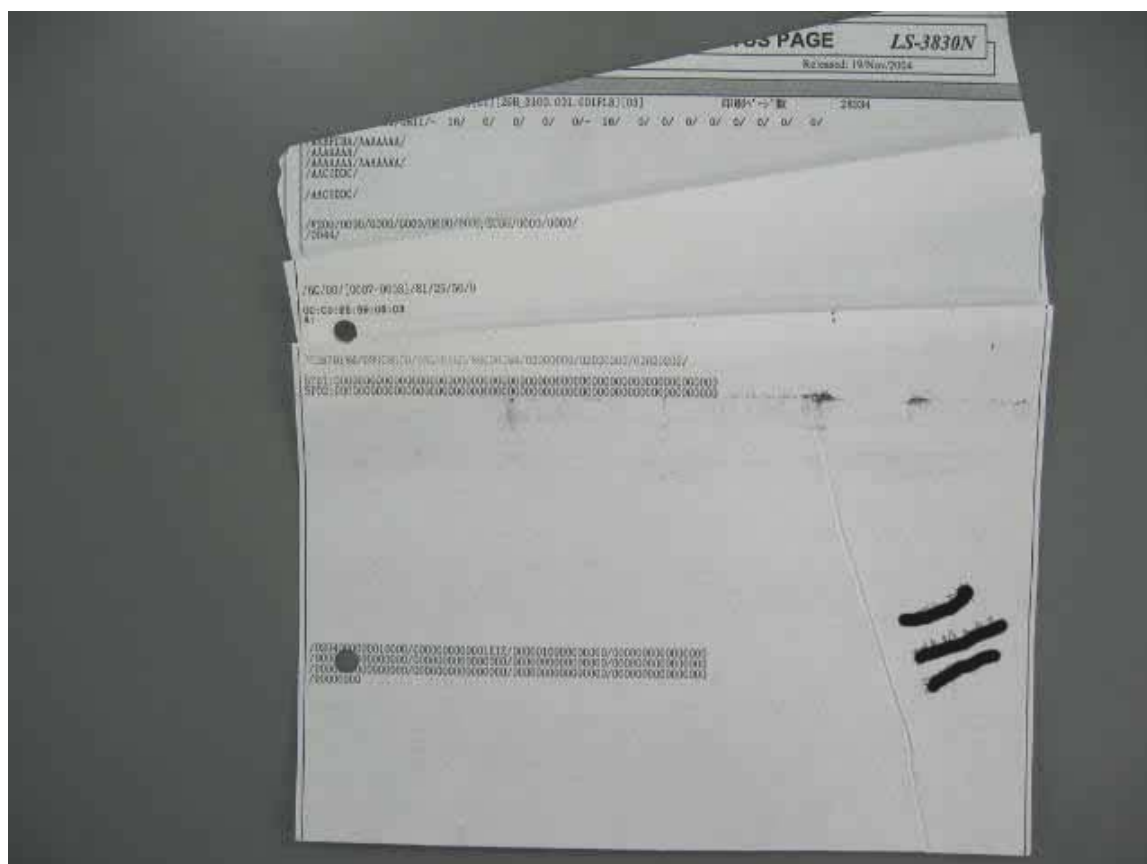
✓ Version A008 → A009

Please be informed that the paper feed timing has been corrected to prevent certain paper jams. If the paper transport control of the printer and PF-60 fails to synchronize, paper might fed from the PF-60 before the printer is ready for print (with the fuser temperature raised to 125 degrees). The paper may then be folded and jams as it is fed by PF-60 only.

The jam may occur if all of following events occur at the same time.

1. Paper feed from PF-60
2. Ambient temperature is 15 degrees or less.
3. Fuser temperature is 80 degrees or less when data is received.
4. 25 seconds or less until fuser temperature comes to 125 degrees after receiving data.
5. Ecofuser mode is ON.

See below for example of jam.



Example JAM

FS-1920

	Version	Checksum	Label Name	U-No	Rom Type
Engine	A009	71B4	EB20KA009	U2	2Mbit-Flash

FS-3820N / 3830N SYSTEM FIRMWARE

✓ Version 158.03 → 158.04

Phenomena

1. Operation for Esc sequence 1Bxx (when 'xx' is high code) has been changed from 'ignoring' to 'print' corresponding to high code character.
2. 2 pages PCL documents are printed in 1 page with overlap. This is due to incorrect modification for S-30108 in the previous firmware version.
3. The character position is not correct when printing rotated character strings by 180 deg. and 270 deg.

FS-3820/3830N

	Version	Checksum	Label Name	U-No	Rom Type
System	158.04	B8D0H	SB21K15804	YS01	4MB-DIMM

SYSTEM

✓ Version 158.04 → 158.05

1. Specific characters may be printed with other incorrect characters.
2. IP address is reset when system firmware is upgraded.
3. F030 error may occur when printing documents with downloading fonts.

FS-3820/3830N

	Version	Checksum	Label Name	U-No	Rom Type
System	158.05	3F75H	SB21K15805	YS01	4MB-DIMM

Affected Machine Serial Numbers:

Version 158.04

FS-3820N: ALD4819964 and later
FS-3830N: ALC4719718 and later

Version 158.04

FS-3820N: ALD4928417 and later
FS-3830N: next production (after ALC4719718)

FS-3820N ENGINE FIRMWARE

✓ **VERSION** **A004** ⇨ **A005** ⇨ **A006**

No.	Contents	Remarks
A005		
1	Supporting firmware network download function	Please use in combination with system firmware Ver.158.05 and later.
2	Measures for the problem that narrow width paper might slack and jam at paper feed from PF-8E.	
A006		
3	Correcting overtime of toner installation time	
4	Increasing the tolerance of toner supply when printing high density image continuously	

FS-3820N

	Version	Checksum	Label Name	U-No	Rom Type
Engine	A005	B277	EB28KA005	U2	2Mbit-Flash
Engine	A006	9758	EB28KA006	U2	2Mbit-Flash

✓ **VERSION** **A006** ⇨ **A007**

Please be informed that the paper feed timing has been corrected to prevent certain paper jams.
If the paper transport control of the printer and PF-60 fails to synchronize, paper might fed from the PF-60 before the printer is ready for print (with the fuser temperature raised to 125 degrees). The paper may then be folded and jams as it is fed by PF-60 only.

The jam may occur if all of following events occur at the same time.

1. Paper feed from PF-60
2. Ambient temperature is 15 degrees or less.
3. Fuser temperature is 80 degrees or less when data is received.
4. 25 seconds or less until fuser temperature comes to 125 degrees after receiving data.
5. Ecofuser mode is ON.

See page 2. for example of jam.

FS-3820N

	Version	Checksum	Label Name	U-No	Rom Type
Engine	A007	71C0	EB28KA007	U2	2Mbit-Flash

FS-3830N ENGINE FIRMWARE

✓ **VERSION** **A007** ⇨ **A008**

No.	Contents	Remarks
1	Displaying service page output status memory in engine parameter 72 on service status page.	
2	Network download support	Please use in combination with system firmware Ver.158.05 and after.
3	Measures for the problem that narrow width paper might slack and jam at paper feed from PF-8E.	
4	Measures for the problem with fixing when continuous printing with 105 x 320 mm / 160g paper	

FS-3830N

	Version	Checksum	Label Name	U-No	Rom Type
Engine	A008	4D14	EB21KA008	U2	2Mbit-Flash

✓ **VERSION** **A008** ⇨ **A009**

Please be informed that the paper feed timing has been corrected to prevent certain paper jams.
If the paper transport control of the printer and PF-60 fails to synchronize, paper might fed from the PF-60 before the printer is ready for print (with the fuser temperature raised to 125 degrees). The paper may then be folded and jams as it is fed by PF-60 only.

The jam may occur if all of following events occur at the same time.

1. Paper feed from PF-60
2. Ambient temperature is 15 degrees or less.
3. Fuser temperature is 80 degrees or less when data is received.
4. 25 seconds or less until fuser temperature comes to 125 degrees after receiving data.
5. Ecofuser mode is ON.

See page 1. for example of jam.

FS-3830N

	Version	Checksum	Label Name	U-No	Rom Type
Engine	A009	4847	EB21KA009	U2	2Mbit-Flash