

Notice for field support to effect of the earthquake in Eastern Japan on products

As of September 15th,2011
OP Support Dept., KMBT CS Headquarters

Due to effects from the earthquake taken place at Japan on March 11, part of electronic components (microprocessors) are in current use cannot be procured and our production will be performed using microprocessors with different model codes. This measure produces an effect on FW compatibility that requires attention during field support activities.

Details are described from next page, but divided into two parts by model groups as follows.

A. Amur / Donau / Donau DS / Donau BK / Taiga · · · · P.2 – P.23

Amur:	bizhub C360/C280/C220
Donau:	bizhub C652/C552/C452
Donau DS:	bizhub C652DS/C552DS
Donau BK:	bizhub 602/502
Taiga:	bizhub 423/363/283/223
	FS-526

B. Picasso-m / Gauguin / La-Plata-M/ FS-521 · · · · · P.24 – P.37

Picasso-m:	bizhub PRO 950
Gauguin:	bizhub PROC6000/C7000/C7000P/70hc
LaPlata-M:	bizhub 601/751
	FS-521

A. Amur / Donau / DonauDS / Donau BK / Taiga

1. Electronic components requiring change

No. 1: Change in model of microprocessor (IC400:H8S) to one with a different model code mounted on MFP board (PWB-MFP)

Use of a model with a different model code is temporarily necessary for the scanner IRC control microprocessor (H8S/2324) mounted on the MFP board (PWB-MFP). To respond to this change in the model, FW requires modification.

Applicable machine models and change implementing time:

Amur 1	For production lots from Aug. to Nov.
Amur 2	
Amur 3	
Taiga 0	For production lots from Aug to Sep.
Taiga 1	
Taiga 2	H8S/2424: For production lots on Aug. and Feb.
Taiga 3	H8S/2425: For production lots from Aug. to Jan.

No. 2: Change in model of microprocessor (IC1:H8S) to one with a different model code mounted on FS-526 FNS control board

Use of a model with a different model code is temporarily necessary for the microprocessor (H8S/2378) mounted on the FS-526 FNS control board. To respond to this change in the model, FW requires modification.

Applicable models and change implementing time:

H8S/2426: For production lots from around late Jul. to Aug.

H8S/2427: For production lots from Sep. to the beginning of Dec.

* FS-526 is a finisher optional for Donau, DonauDS, and DonauBK.

No. 3: Revision up of CPU (IC100:MPC8533) mounted on MFP board (PWB-MFP)

A revision up representing corrections of two errata by the manufacturer will be implemented on the CPU (MPC8533) mounted on the MFP board (PWB-MFP). It is now known that this change results in a hang-up during a procedure to exit from the sleep mode. The current version will be discontinued and FW requires modification.

Applicable machine models and change implementing time:

Amur 1	For production lots produced at the end of Sep. and onward
Amur 2	For production lots produced at the end of Sep. and onward
Amur 3	For production lots produced at the end of Sep. and onward
Taiga 0	For production lots produced at the end of Sep. and onward
Taiga 1	For production lots produced at the end of Sep. and onward
Taiga 2	For production lots produced at the end of Sep. and onward
Taiga 3	For production lots produced at the end of Sep. and onward
Donau0 BK	For production lots produced at the end of Sep. and onward
Donau1 BK	For production lots produced at the end of Sep. and onward

2. Detailed description of each change

No. 1) Change in model of microprocessor (IC400:H8S) to one with a different model code mounted on MFP board

1) Electronic components to be changed and applicable board

Components to be changed:

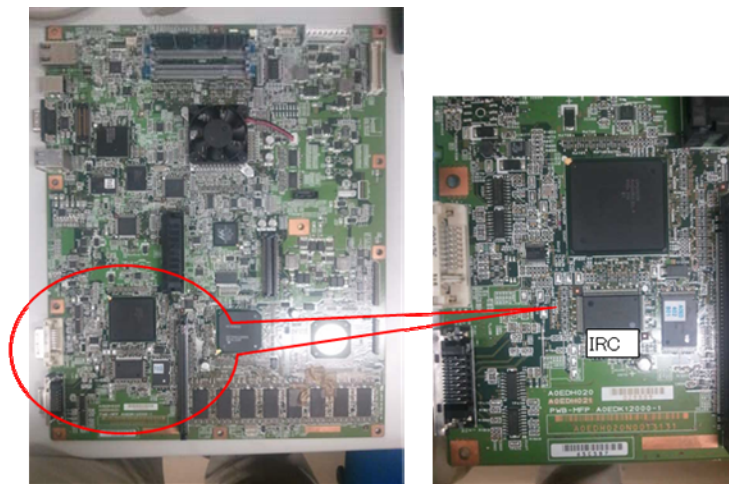
HD6412324SVF25V [H8S/2324] → R4F24248NVFPV/R4F24249DVFPV [H8S/2424] (Amur 1/2/3)

HD6412324SVF25V [H8S/2324] → D13006DF13V [H8S/3006] (Taiga 0/1)

HD6412324SVF25V [H8S/2324] → R4F24255NVFPU [H8S/2425] and R4F24248 [H8S/2424] (Taiga 2/3)

Applicable board: MFP board (PWB-MFP)

	Board number
Amur1/2	A0EDH020
Amur3	A0EDH021
Taiga0/1	A1UDH021 [A0UDH023 (GSA)]
Taiga2/3	A1UDH020 [A0UDH022 (GSA)]



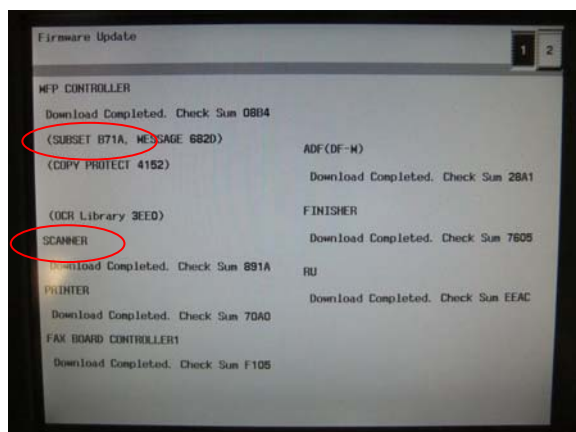
2) Compatibility affected FW (FW requiring change)

Following FW modules included in the MFP FW.

Scanner

MFP Controller subset (The FW module that controls writing of individual FW module)

* These firmware modules are not currently released individually and are included in the MFP FW.



3) FW compatibility

○: compatible; ×: incompatible

	Current microprocessor (H8S/2324)	Microprocessor after change
Current MFP FW (for H8S/2324)	○	×
New MFP FW (Note 1)	○	○

(Note 1)

The MFP FW to be released in the future contains the subset that automatically detects the type of the microprocessor mounted and writes the correct Scanner FW regardless of whether the MFP board (PWB-MFP) with current microprocessor is mounted (H8S/2324) or the MFP board with the substitute microprocessor. To support all types of microprocessors, the firmware will contain multiple necessary Scanner modules, for current microprocessor and substitute microprocessors. For more details, see “FW release from KMBT”.

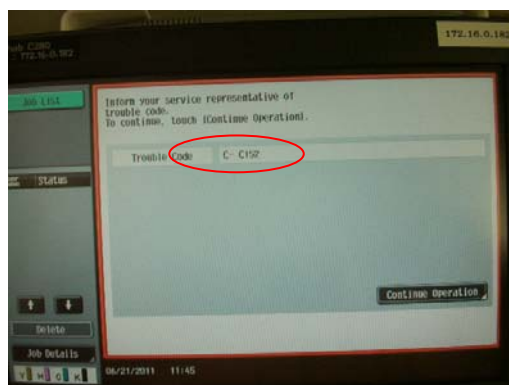
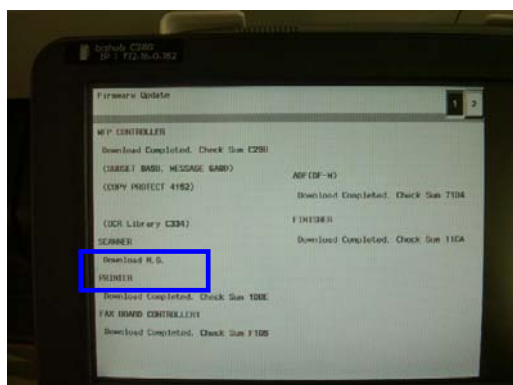
4) Compatibility

- Even when new MFP board is mounted in MFP, it is possible to start firmware update with using current MFP FW.

The installation of the firmware will complete without error except Scanner module. On the update screen, “Download N.G.” will be indicated for the Scanner update

This is because the current MFP FW does not contain the scanner FW that is compatible with substitute microprocessor.

The “C-C152” error occurs thereafter when the main power switch is turned OFF and ON, causing the panel to hang up. The “C-C152” error cannot be reset using the service mode. The error persists until the correct FW is written.

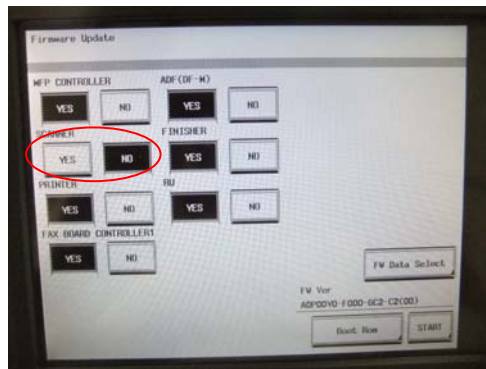


* The current MFP FW (that which includes one for H8S/2324) is applicable to the following.

	Applicable Card Ver.
Amur	Gxx-12, Gxx-22, Gxx-31, Gxx-50, Gxx-54, Gxx-57, Gxx-58, Gxx-59, Gxx-88, Gxx-90, Gxx-B4, Gxx-B6, Gxx-B8, Gxx-C2, Gxx-C4
Taiga	Gxx-24, Gxx-26, Gxx-B5, Gxx-B6, Gxx-C0, Gxx-C2, Gxx-C4

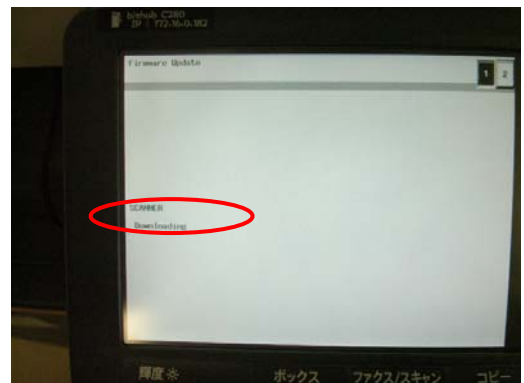
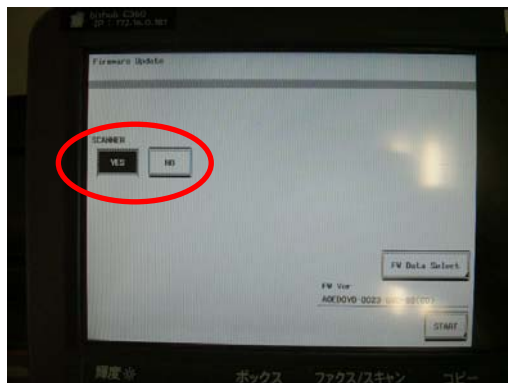
5) Applicable field procedures and precautions

- When downloading the current MFP FW to the MFP board mounted with substitute microprocessor, select “NO” for the Scanner FW.

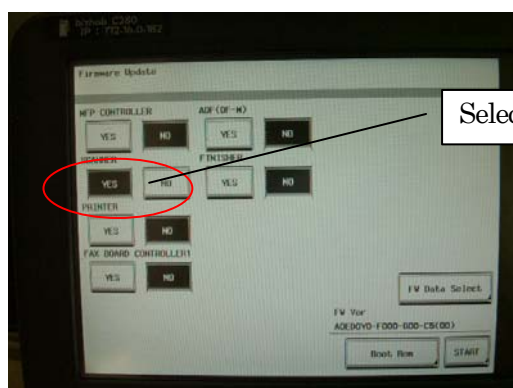


- If the installation is mistakenly performed with the resultant “C-C152” error occurring, rewrite the program for only the scanner FW module using the new MFP FW described in “6) FW release from KMBT”. Install the FW again by following the procedure given below.

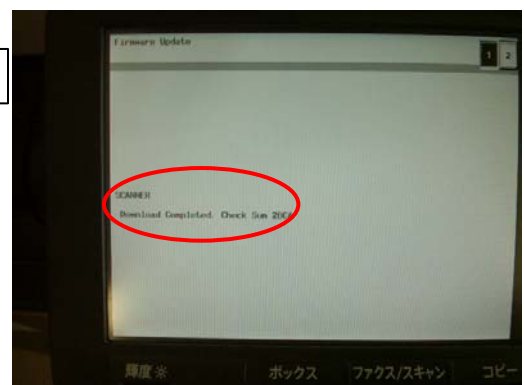
How to rewrite the scanner FW with Scanner-only FW.



Procedure: Use the new MFP FW to rewrite only the scanner FW.



Select 'YES'



6) FW release from KMBT

• MFP FW

The MFP FW will be released that contains the subset that automatically determines whether the current microprocessor (H8S/2324) or one of substitute microprocessor is mounted to thereby download the appropriate Scanner FW module. The firmware will contain multiple Scanner FW modules to support those microprocessors (CPU) below.

	Corresponding CPU model code	Card Ver.	CSES DL number	Remarks
Amur	H8S/2324 H8S/2424	G00-C6 Scanner: A0ED0Y0-0023-G00-85 (for H8S/2324) A0ED0Y0-0023-G80-85 (for H8S/2424) Subset: A0ED0Y0-1F00-G00-14	Common:DLBT1101476EN* Multi-Language:DLBT1101477EN* Generic:DLBT1101478EN* Aurora: DLBT1101522EN*	Production effective 7/21 onward
Taiga	H8S/2324 H8S/2424 H8S/2425 H8S/3006	G00-C8 Scanner: (*1) A1UD0Y0-0023-G00-09 (for H8S/2324) A1UD0Y0-0023-G82-09 (for H8S/2424) A1UD0Y0-0023-G80-09 (for H8S/2425) A1UD0Y0-0023-G81-09 (for H8S/3006) Subset: A1UD0Y0-1F00-G00-03	Common:DLBT1101670* Multi-Language:DLBT1101670* Generic : DLBT1101740*	Production effective 8/1 onward

• Scanner-only FW

The scanner-only FW will be released on the assumption that the Scanner FW only is to be rewritten under the following conditions:

- Case in which the scanner-only FW for substitute microprocessor is to be overwritten, when a "C-C152" error occurs after the FW is downloaded with the current MFP FW to the MFP board mounted with the substitute microprocessor:

Note that it has been verified that the system is fully operational in the combination of FW modules other than the scanner contained in the current MFP FW and the Scanner FW for the substitute microprocessor.

	Card Ver.	CSES DL number	Remarks
Amur	A0ED0Y0-0023-G80-85	Common:DLBT1101476EN* Multi-Language:DLBT1101477EN* Generic:DLBT1101478EN* Aurora: DLBT1101522EN*	
Taiga	A1UD0Y0-0023-G8X-09 (*1)	Common:DLBT1101670* Multi-Language:DLBT1101670* Generic : DLBT1101740*	

->Refer to the revised (*1): It automatically detects CPU and shows each Version.

7) How to identify the MFP board with substitute microprocessor mounted:

<Boards> Model codes for boards will be changed as follows.

	CPU model code	Board number
Amur1/2	H8S/2424	A0EDH02X
Amur3	H8S/2424	A0EDH02Y
Taiga0/1	H8/3006	A1UDH02W
Taiga2/3	H8S/2425	A1UDH02X
	H8S/2424	A1UDH02Y

* All replacement parts will be shipped with current microprocessor (mounting H8S/2324).

<Machine>

Amur1/2	Current board (A0EDH020)		Replacement board (A0EDH02X)	
	Machine ID	Packaging box	Machine ID	Packaging box
	None	None	■ Blue label affixed	■ Blue label affixed

Amur3	Current board (A0EDH021)		Replacement board (A0EDH02Y)	
	Machine ID	Packaging box	Machine ID	Packaging box
	None	None	■ Blue label affixed	■ Blue label affixed

Taiga0/1	Current board (A1UDH021)		Replacement board (A1UDH02W)	
	Machine ID	Packaging box	Machine ID	Packaging box
	None	None	■ Blue label affixed	■ Blue label affixed

Taiga2/3	Current board (A1UDH020)		Replacement board (A1UDH02X)	
	Machine ID	Packaging box	Machine ID	Packaging box
	None	None	■ Black label affixed	■ Black label affixed
Taiga2/3	Current board (A1UDH020)		Replacement board (A1UDH02Y)	
	Machine ID	Packaging box	Machine ID	Packaging box
	None	None	■ Blue label affixed	■ Blue label affixed

<FW>

	CPU Model code	Scanner FW
Amur1/2/3	H8S/2324 (current)	XXXXXXXX-XXXX- G00 -XX
	H8S/2424	XXXXXXXX-XXXX- G80 -XX
Taiga0/1/2/3	H8S/2324 (current)	XXXXXXXX-XXXX- G00 -XX
	H8S/2424	XXXXXXXX-XXXX- G82 -XX
	H8S/2425	XXXXXXXX-XXXX- G80 -XX
	H8S/3006	XXXXXXXX-XXXX- G81 -XX

<Amur>

<Machine>



<Amur>

A0EDH02X

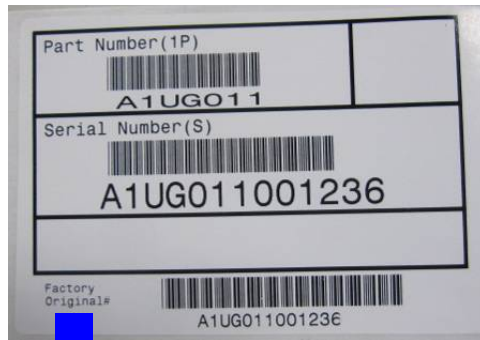


A0EDH02Y

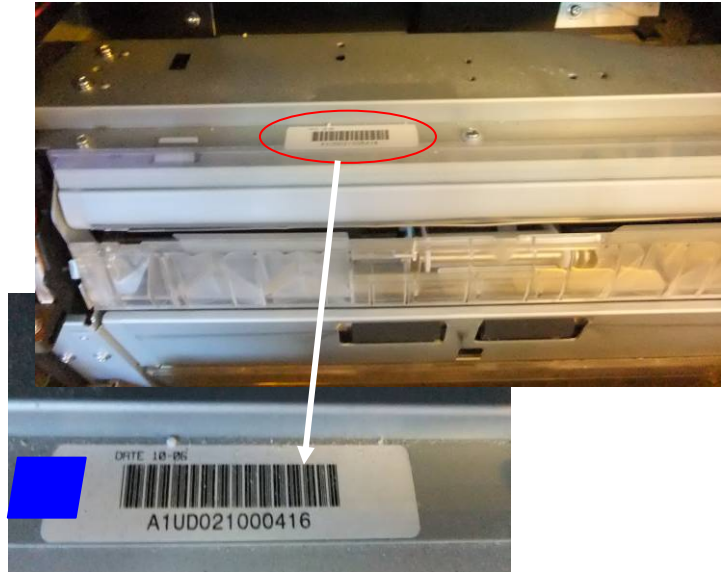


<Taiga>

< Packaging box >

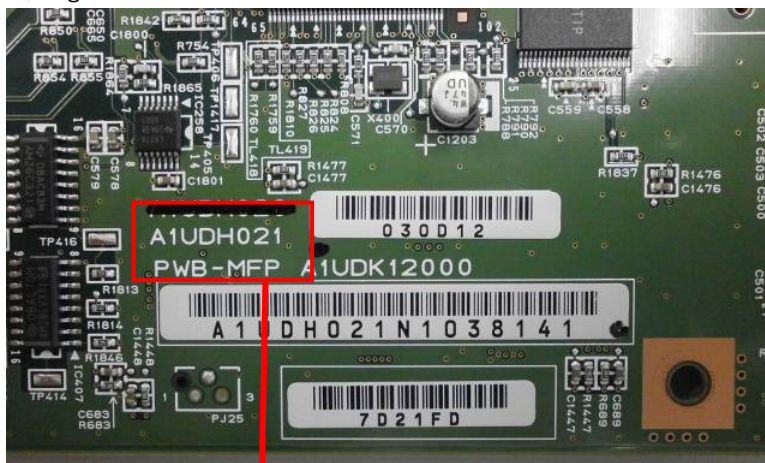


<Machine>



* Model codes for boards will be changed

<Taiga>

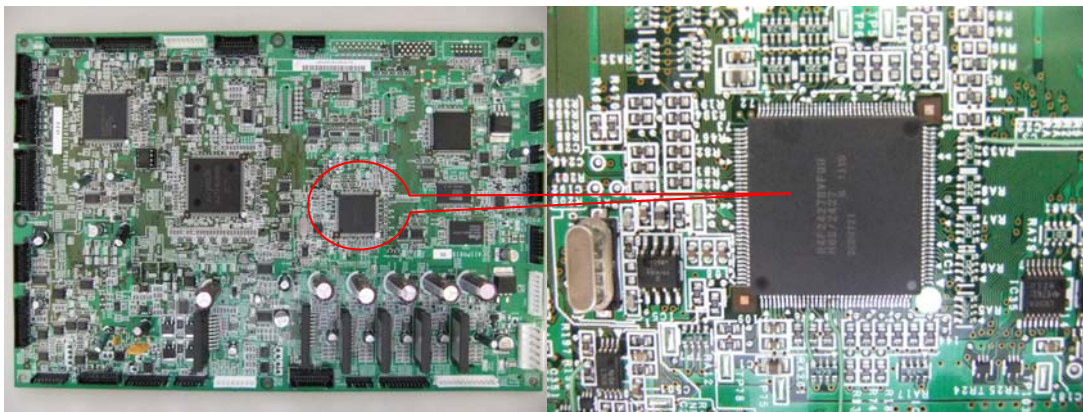


No. 2) Change in model of microprocessor (IC1:H8S) to one with a different model code mounted on FS-526 FNS control board

1) Electronic components to be changed and applicable board

Components to be changed: HD64F2378BVFQ35V [H8S/2378] → To R4F24278 [H8S/2427] or R4F24269 [H8S/2426]

Applicable board: A11PH010E (FS-526 FNS control board)

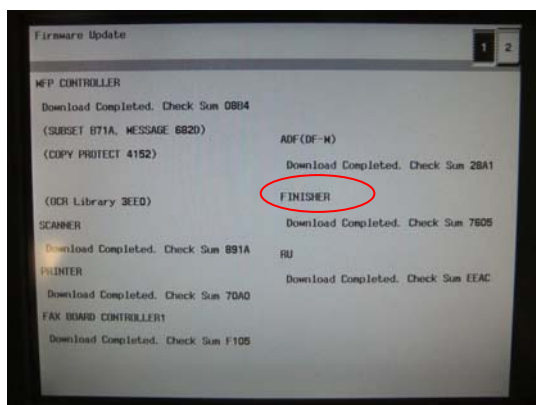


2) Compatibility affected FW (FW requiring change)

Following FW module included in the MFP FW.

Finisher (FS-526)

* The Finisher FW for FS-526 is not currently released individually and is included in the MFP FW.



3) FW compatibility

○: compatible; ×: incompatible

	Current FS-526 (mounting H8S/2378)	Modified FS-526 (mounting H8S/2427)	Modified FS-526 (mounting H8S/2426)
Finisher (for FS-526) FW for current (H8S/2378)	○	×	×
FS-526 Finisher Program for All microprocessor	○	○	○

(Note 1)

FS-526 Finisher Program for All microprocessor contains the subset that automatically detects the type of the microprocessor mounted and writes the correct Finisher FW for FS-526 regardless of whether the FS-526 FNS control board with current microprocessor is mounted (H8S/2378) or the FS-526 FNS control board with the microprocessor newly adopted (H8S/2427 and H8S/2426). To support all types of microprocessors, the FS-526 Finisher Program for All microprocessor contains multiple necessary Finisher FW modules, for current microprocessor and new adopted microprocessors. For more details, see "FW release from KMBT".

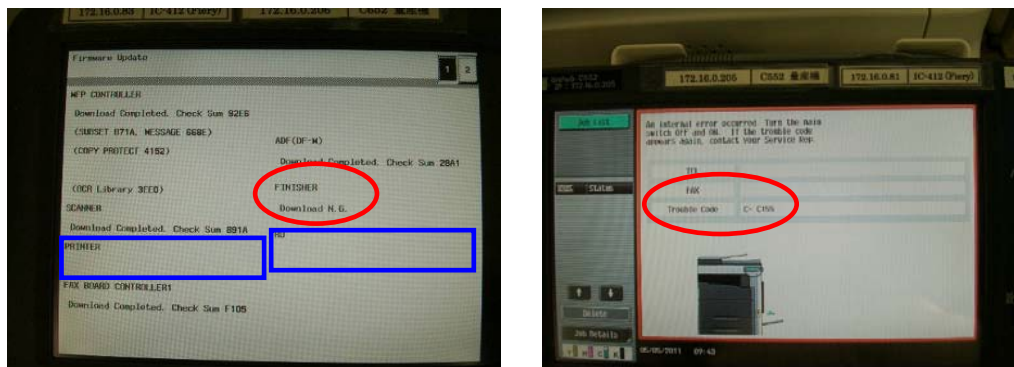
4) Compatibility

If the condition of the combination marked with x in the table shown in “FW compatibility” occurs, writing of the finisher (for FS-526) FW fails (Finisher FW is not written). When the main power switch is then turned OFF and ON, the malfunction code “C-C155” appears.

<Situation where you may encounter the error>

When you try to install the current MFP FW of the firmware in the MFP with FS-526 connected, it may happen if substitute microprocessor (H8S/2427 or H8S/2426) is mounted on the controller board of FS-526.

Performing updating with “Yes” selected for all modules will result in the updating of Finisher FW failing, which stops the updating procedure. As a result, FW of the printer and RU to be subsequently updated will not be installed. If the main power switch is turned OFF and ON under this condition, the malfunction code “C-C155” appears because of the Finisher FW not written.



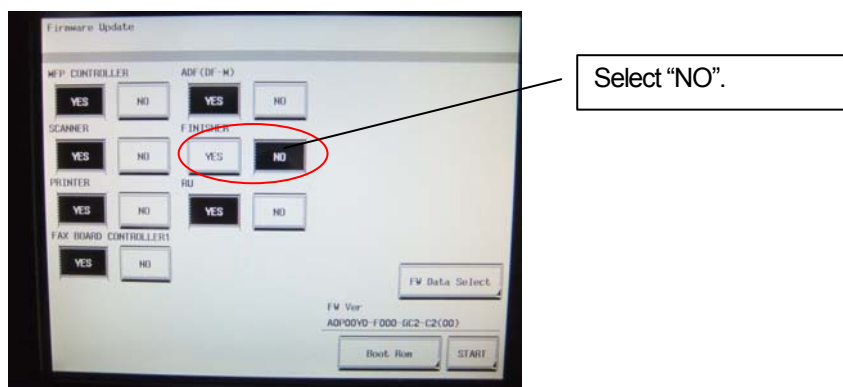
C-C155 appears after main power is turned OFF and ON

* The current MFP FW (that which includes the Finisher FW for the current FS-526 FNS control board (for H8S/2378) is applicable to the following.

	Applicable Card Ver.
Donau	Gxx-04, Gxx-12, Gxx-20, Gxx-22, Gxx-23, Gxx-24, Gxx-26, Gxx-31, Gxx-54, Gxx-57, Gxx-58, Gxx-59, Gxx-88, Gxx-90, Gxx-B4, Gxx-B8, Gxx-C2, Gxx-C4
DonauDS	Gxx-22, Gxx-88, Gxx-90, Gxx-B4, Gxx-B8, Gxx-C2, Gxx-C4
DonauBK	Gxx-00, Gxx-F2, Gxx-F3, Gxx-F4, Gxx-F6

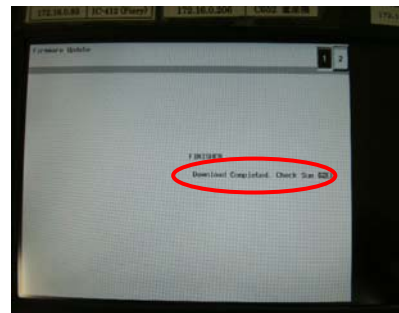
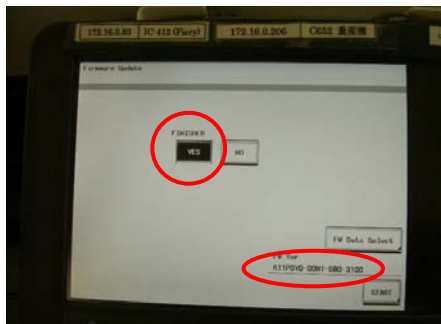
5) Applicable field procedures and precautions:

- To rewrite the older Card Ver. with the current MFP FW for the MFP that uses the FS-526 mounted with a substitute microprocessor (H8S/2427 or H8S/2426), be sure to select “NO” for the Finisher FW.

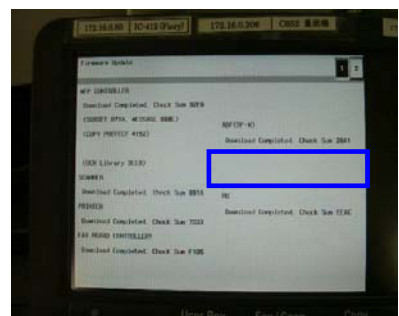
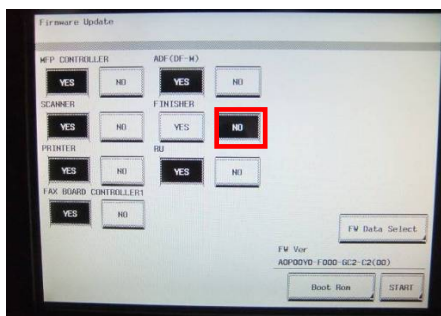


If the installation is performed mistakenly and a “C-C155” occurs, install the FW again by using the finisher-only FW to be released separately and following the procedure given below.

Step 1) Rewrite the Finisher FW only by using FS-526 Finisher Program for All microprocessor.



Step 2) Using the current MFP FW perform updating with "NO" selected for the Finisher FW only.



Message "Download Completed" appears when the procedure is completed.
(Result of Finisher FW is not shown)

6) FW release from KMBT

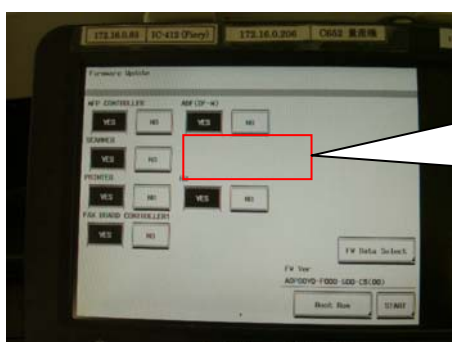
• MFP FW

For Card Ver. C5 or later of Donau/DonauDS and Card Ver. F7 or later of DonauBK, the FW will be released without including the Finisher FW for FS-526.

This is done to prevent a fault from occurring due to incompatible FW being downloaded.

FW for finisher models other than FS-526 is included in the MFP FW.

	Card Ver.	CSES DL number	Remarks
Donau	G00-C5	Common:DLBT1101470EN* Multi-Language:DLBT1101471EN* Generic:DLBT1101472EN*	Production effective 7/11 onward
DonauDS	G00-C5	Common:DLBT1101473EN* Multi-Language:DLBT1101474EN* Generic:DLBT1101475EN*	Production effective 7/11 onward
DonauBK	G00-F7	Common: DLBT1101428EN* Multi-Language: DLBT1101429EN* Generic:DLBT1101430EN*	Production effective 7/4 onward



When an attempt is made to download the above MFP FW on the MFP connected with the FS-526, the finisher FW portion is blank to show no selection screen. (The conventional selection screen appears on an MFP connected with a finisher other than FS-526.)

- Finisher FW for specific use

FS-526 Finisher Program for All microprocessor will be separately released for using it in case of the finisher related problem ("C-C155"). Update FS-526 Finisher Program for All microprocessor with it.

Donau/DonauDS

	Version	CSES DL number
All microprocessor -Current FS-526(mounting H8S/2378) -Modified FS-526(mounting H8S/2427) -Modified FS-526(mounting H8S/2426)	Finisher(FS-526) FW: A11P0Y0-00N1-G8X-31(A0P0) Subset: A0P00Y0-1F00-G00-14	<Donau> Common:DLBT1101470EN* Multi-Language:DLBT1101471EN* Generic:DLBT1101472EN* <DonauDS> Common:DLBT1101473EN* Multi-Language:DLBT1101474EN* Generic:DLBT1101475EN*

Donau BK

	Version	CSES DL number
All microprocessor -Current FS-526(mounting H8S/2378) -Modified FS-526(mounting H8S/2427) -Modified FS-526(mounting H8S/2426)	Finisher(FS-526) FW: A11P0Y0-00N1-G8X-31(A2WU) Subset: A2WU0Y0-1F00-G00-02	Common: DLBT1101428EN* Multi-Language: DLBT1101429EN* Generic:DLBT1101430EN*

FS-526 Finisher Program for All microprocessor contains the subset that automatically detects the type of the microprocessor mounted and writes the correct Finisher FW for FS-526 regardless of whether the FS-526 FNS control board with current microprocessor is mounted (H8S/2378) or the FS-526 FNS control board with the microprocessor newly adopted (H8S/2427 and H8S/2426). To support all types of microprocessors, the FS-526 Finisher Program for All microprocessor contains multiple necessary Finisher FW modules, for current microprocessor and new adopted microprocessors.

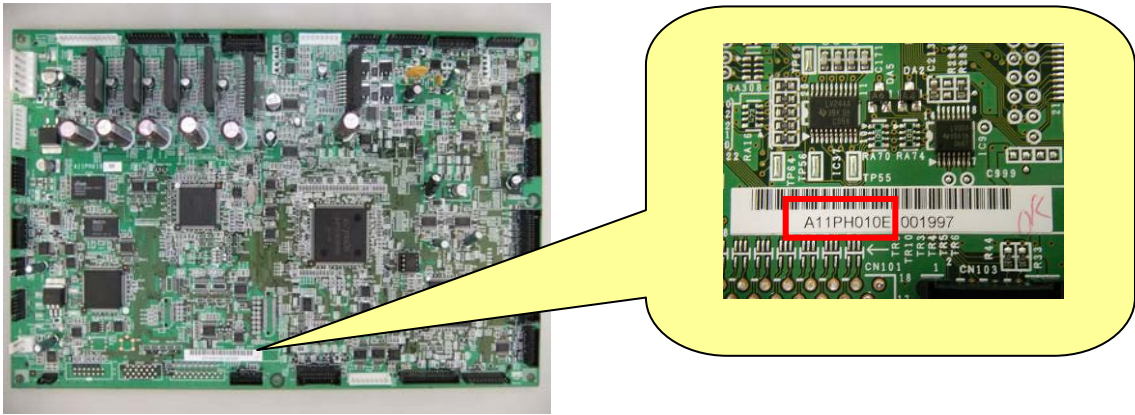
It is necessary to use FW with New subset (Donau/DS: A0P00Y0-1F00-G00-14, DonauBK: A2WU0Y0-1F00-G00-02) to identify FS-526 FNS control board mounted with the new adopted microprocessor (H8S/2427 or H8S/2426) and the current microprocessor (H8S/2378).

Please use USB memory and store FS-526 Finisher Program for All microprocessor in the root directory when install FS-526 Finisher Program for All microprocessor to FS-526 FNS control board mounted with the new adopted microprocessor (H8S/2427 or H8S/2426).

7) How to identify the MFP board with substitute microprocessor mounted:
<Boards> Model codes for boards will be changed as follows.

CPU model code	Board number
H8S/2427	A11PH810E
H8S/2426	A11PH811E

* All replacement parts will be shipped as the current microprocessor (mounting H8S/2378).



How to check model code

<FS-526 main unit>

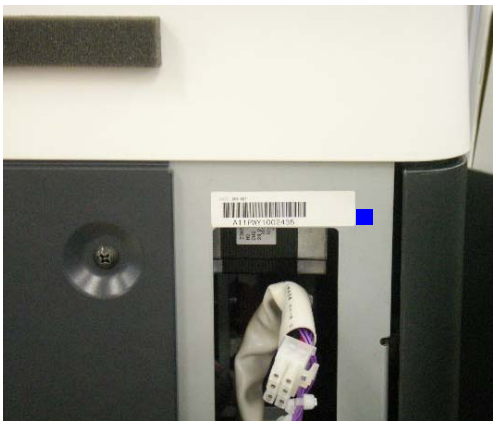
	CPU model code	Board number	Main unit (Se/No. label)	Packaging box (control label at two places)
FS-526	H8S/2427	A11PH810E	■ Blue label affixed	■ Blue label affixed
FS-526	H8S/2426	A11PH811E	■ Black label affixed	■ Black label affixed

Label affixing position

< Packaging box >



<Machine>



<FW>

CPU model code	Finisher FW Version
H8S/2378 (current)	XXXXXXXX-XXXX- G00 -XX
H8S/2427	XXXXXXXX-XXXX- G80 -XX
H8S/2426	XXXXXXXX-XXXX- G81 -XX

No. 3) Revision up of CPU (IC100:MPC8533)

1) Electronic components to be changed and applicable board

Components to be changed: CPU (MPC8533) Revision 1.1 → Revision = 2.1

Applicable board: MFP board (PWB-MFP)

Machine model	Board number
Amur1/2	A0EDH020
Amur3	A0EDH021
Taiga0/1	A1UDH021 [A0UDH023 (GSA)]
Taiga2/3	A1UDH020 [A0UDH022 (GSA)]
Donau1 BK	A2WUH020
Donau2 BK	A2WVH020

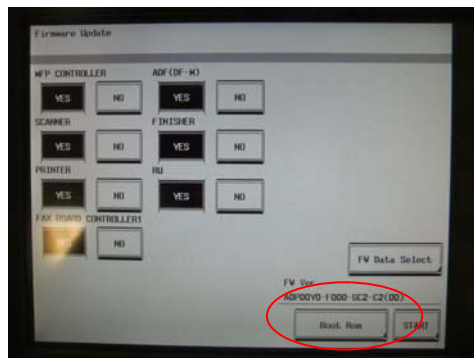
2) Compatibility affected FW (FW requiring change)

Following FW module included in the MFP FW.

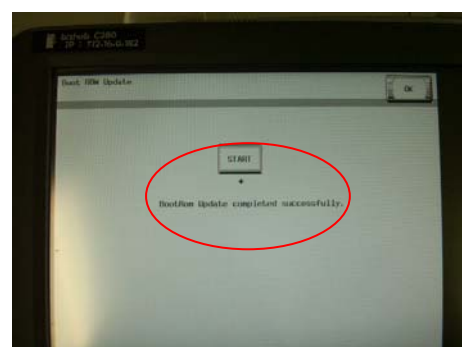
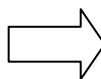
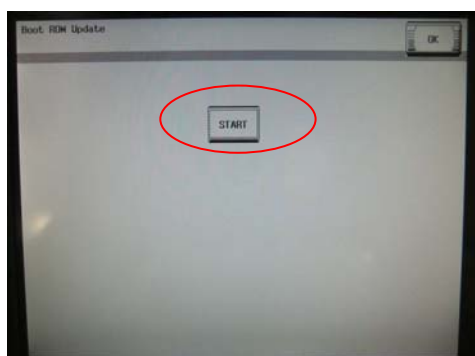
Boot Rom

- * The Boot Rom have not been not released individually separated from the special FW or production firmware but it is included in those firmware.
- * The Boot Rom does not normally require updating and to update the Boot ROM, the update manually has to be done with the procedure below. The Boot Rom update does not performed with normal firmware update procedure. No problem occurs with this modification unless the Boot ROM is updated incorrectly.

Boot Rom screen during FW updating



Boot Rom button - The press of the start button will download Boot Rom individually.



3) FW (Boot Rom) compatibility

○: compatible; ×: incompatible

	Current CPU (Rev. 1.1)	Modified CPU (Rev. 2.1)
Boot Rom for current CPU (Rev. 1.1)	○	×
New Boot Rom (Note 1)	○	○

(Note 1)

The new Boot Rom is applicable to both the MFP board (PWB-MFP) mounted with the current CPU (Rev. 1.1) and that mounted with the modified CPU (Rev. 2.1). The MFP FW to be released in the future contains the new Boot Rom. For details, see “6) FW release from KMBT”.

4) Compatibility

When Rev2.1 CPU is booted with current Boot ROM, the following symptom will be appeared. Hang-up will invariably occur during a procedure to exit from the sleep mode (*1) or when the sub-power switch is turned OFF and ON.

- *1
- A hang-up occurs at 6:00 a.m. in the morning at which time the system is reset.
 - A hang-up occurs during a procedure to exit from the sleep mode and the low power consumption mode.

<Conditions of the machine when the hang-up occurs>

- The LCD backlight is OFF.
- The start button is lit up red.
- The panel is inactive.



* The current MFP FW. (that which includes the Boot Rom for the current CPU (Rev. 1.1)) is applicable to the following.

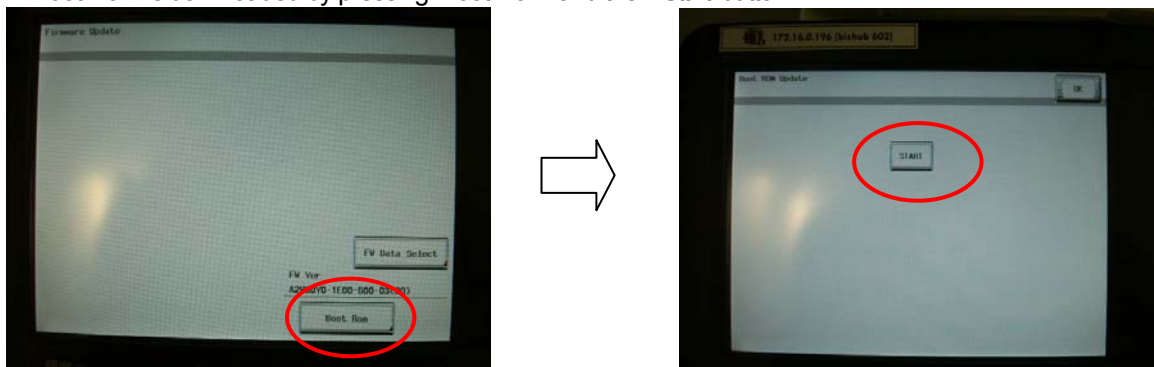
	Applicable Card Ver.
Amur	Gxx-12, Gxx-22, Gxx-31, Gxx-50, Gxx-54, Gxx-57, Gxx-58, Gxx-59, Gxx-88, Gxx-90, Gxx-B4, Gxx-B6, Gxx-B8, Gxx-C2, Gxx-C4
Taiga	Gxx-24, Gxx-26, Gxx-B5, Gxx-B6, Gxx-C0, Gxx-C2, Gxx-C4
DonauBK	Gxx-00, Gxx-F2, Gxx-F3, Gxx-F4, Gxx-F6

5) Applicable field procedures and precautions:

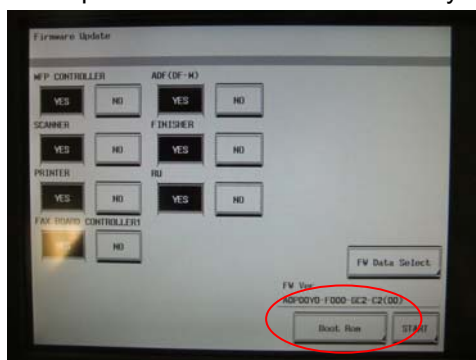
- Please do not update or install the Boot ROM supplied with the firmware listed before. If modified CPU is used in the machine, the symptom will occur after updating the boot rom. To recover it, new boot firmware has to be overwritten and new boot firmware will be released with future released MFP FW and it will be released individually separated from MFP FW as well.

How to rewrite the scanner FW with Boot Rom-only FW.

Boot Rom is downloaded by pressing 'Boot Rom' and then 'Start' button.



It is also possible to rewrite the Boot Rom by using new MFP FW as follows.



6) FW release from KMBT

• MFP FW

The following MFP FW containing the new Boot Rom will be released.

	Card Ver.	CSES DL number	Remarks
Amur	G00-C6	Common:DLBT1101476EN* Multi-Language:DLBT1101477EN* Generic:DLBT1101478EN* Aurora: DLBT1101522EN*	Production effective 7/21 onward
Taiga	G00-C8	Common:DLBT1101670* Multi-Language:DLBT1101670* Generic : DLBT1101740*	Production effective 8/1 onward
DonauBK	G00-F7	Common: DLBT1101428EN* Multi-Language: DLBT1101429EN* Generic:DLBT1101430EN*	Production effective 7/4 onward

* The MFP FW to be released after the above ones contains the same measures.

• Boot Rom –only FW for specific use

The new Boot Rom for specific use will be released individually that will become necessary under the following cases:

- The Boot Rom for the current CPU (Rev. 1.1) is written to the MFP board mounted with CPU (Rev 2.1).
- When a defective MFP board is replaced with a replacement MFP board mounted with the CPU (Rev. 2.1), the Boot Rom for the current CPU (Rev. 1.1) included in the current MFP FW is written; thereafter, only the new Boot Rom is overwritten.

Note that it has been verified that the system is fully operational in the combination of FW modules other than the Boot Rom contained in the current MFP FW and the new Boot Rom.

	Ver.	CSES DL number	Remarks
Amur	A0ED0Y0-1E00-G00-02	Common:DLBT1101476EN* Multi-Language:DLBT1101477EN* Generic:DLBT1101478EN* Aurora: DLBT1101522EN*	
Taiga	A1UD0Y0-1E00-G00-02	Common:DLBT1101670* Multi-Language:DLBT1101670* Generic : DLBT1101740*	
DonauBK	A2WU0Y0-1E00-G00-03	Common: DLBT1101428EN* Multi-Language: DLBT1101429EN* Generic:DLBT1101430EN*	

7) How to identify the modified component:

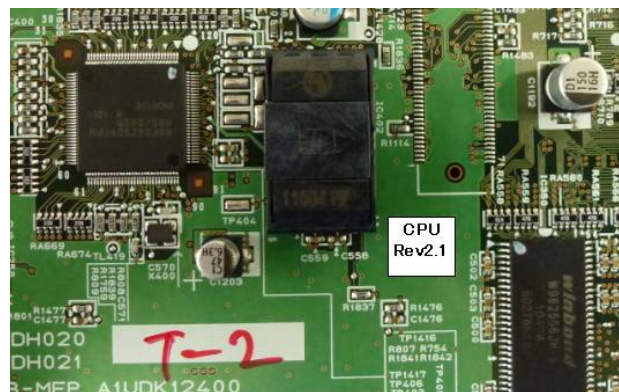
<Board>

The board mounted with the CPU Rev. 2.1 will be marked with the identification of "CPU Rev. 2.1" as shown below.
(The board number is not to be changed in conjunction with the current revision up of the microprocessor.)

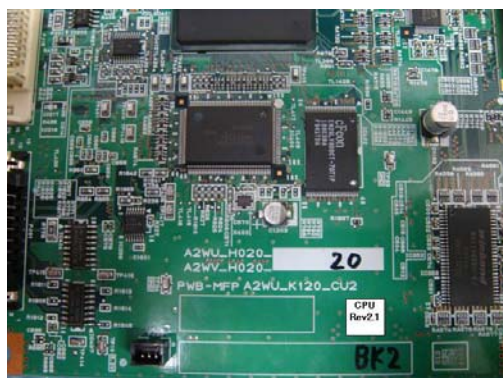
Amur



Taiga



Donau BK



<Machine>

The outer housing and packaging box will not be marked for identification.

<FW Version>

		Version marking
Amur	Boot Rom for current CPU (Rev. 1.1)	A0ED0Y0-1E00-G00-00
	New Boot Rom	A0ED0Y0-1E00-G00-02
Taiga	Boot Rom for current CPU (Rev. 1.1)	A1UD0Y0-1E00-G00-00
	New Boot Rom	A1UD0Y0-1E00-G00-02
DonauBK	Boot Rom for current CPU (Rev. 1.1)	A2WU0Y0-1E00-G00-01
	New Boot Rom	A2WU0Y0-1E00-G00-03

4. Summary of programs contained in MFP FW and effects from the change

Amur

Card Ver.	Gxx-12, Gxx-22, Gxx-31, Gxx-50, Gxx-54, Gxx-57, Gxx-58, Gxx-59, Gxx-88, Gxx-90, Gxx-B4, Gxx-B6, Gxx-B8, Gxx-C2, Gxx-C4	Gxx-C6 or later
BOOT	Only for CPU(MPC8533) Revision 1.1	For both of CPU(MPC8533) Revision 1.1 and Revision 2.1
MFP controller subset	Only for MFP board(PEB-MFP) with H8S/2324	For MFP board(PEB-MFP) with H8S/2324 andH8S/2424
MFP controller		
MFP controller system		
MFP controller print controller		
MFP controller print controller font		
MFP controller print controller Demo Page		
MFP controller MIO		
MFP controller PSWC		
MFP controller MIB IF		
MFP controller IPP IF		
MFP controller Outside controller IF		
MFP controller TCP/Socket		
MFP controller OPEN API		
MFP controller operation panel		
MFP controller PIC		
MFP controller CSRC control Body		
Scanner	Only for MFP board(PEB-MFP) with H8S/2324	For MFP board(PEB-MFP) with H8S/2324 andH8S/2424
Printer		
FAX board controller		
Operation panel message data		
ADF		
Finisher (FS-527)		
Finisher (FS-529)		
JS-505		
SD		
COPY PROTECT		
Movie Data		
Dictionary Data		

Taiga

Card Ver.	Gxx-24, Gxx-26, Gxx-B5, Gxx-B6, Gxx-C0, Gxx-C2, Gxx-C4	Gxx-C8 or later
BOOT	Only for CPU(MPC8533) Revision 1.1	For both of CPU(MPC8533) Revision 1.1 and Revision 2.1
MFP controller subset	Only for MFP board(PEB-MFP) with H8S/2324	For MFP board(PEB-MFP) with H8S/2324,H8S/2424, H8S/2425 and H8S/3006 (all type)
MFP controller		
MFP controller system		
MFP controller print controller		
MFP controller print controller font		
MFP controller print controller Demo Page		
MFP controller MIO		
MFP controller PSWC		
MFP controller MIB IF		
MFP controller IPP IF		
MFP controller Outside controller IF(*4)		
MFP controller TCP/Socket		
MFP controller OPEN API		
MFP controller operation panel		
MFP controller PIC		
MFP controller CSRC control Body		
Scanner	Only for MFP board(PEB-MFP) with Scanner H8S/2324	For MFP board(PEB-MFP) with H8S/2324,H8S/2424, H8S/2425 and H8S/3006 (all type)
DSC1(*2)		
DSC2(*2)		
Printer		
FAX board controller 1(*2)		
FAX board controller 2(*2)		
Operation panel message data		
Operation panel message data		
Operation panel message data		
Operation panel message data		
Operation panel message data		
ADF(*2)		
Finisher (FS-527)(*2)		
Finisher (FS-529)(*2)		
JS-505(*2)		
SD(*2)		
OCR Library		
COPY PROTECT(*3)		
Movie Data		
Voice Data		
Dictionary Data		

Donau

Card Ver.	Gxx-04, Gxx-12, Gxx-20, Gxx-22, Gxx-23, Gxx-24, Gxx-26, Gxx-31, Gxx-54, Gxx-57, Gxx-58, Gxx-59, Gxx-88, Gxx-90, Gxx-B4, Gxx-B8, Gxx-C2, Gxx-C4	Gxx-C5 or later
BOOT		
MFP controller subset		
MFP controller		
MFP controller system		
MFP controller print controller		
MFP controller print controller font		
MFP controller print controller Demo Page		
MFP controller MIO		
MFP controller PSWC		
MFP controller MIB IF		
MFP controller IPP IF		
MFP controller Outside controller IF		
MFP controller TCP/Socket		
MFP controller OPEN API		
MFP controller operation panel		
MFP controller PIC		
MFP controller CSRC control Body		
Scanner		
Printer		
FAX board controller		
Operation panel message data		
ADF		
Finisher (FS-526)	Only for FS-526 mounted with H8S/2378	Finisher FW for FS-526 not contained
Finisher (FS-527)		
Finisher (JS-504)		
RU		
ZU		
SD		
COPY PROTECT		
Movie Data		
Dictionary Data		

Donau DS

Card Ver.	Gxx-22, Gxx-88, Gxx-90, Gxx-B4, Gxx-B8, Gxx-C2, Gxx-C4	Gxx-C5 or later
BOOT		
MFP controller subset		
MFP controller		
MFP controller system		
MFP controller print controller		
MFP controller print controller font		
MFP controller print controller Demo Page		
MFP controller MIO		
MFP controller PSWC		
MFP controller MIB IF		
MFP controller IPP IF		
MFP controller Outside controller IF		
MFP controller TCP/Socket		
MFP controller OPEN API		
MFP controller operation panel		
MFP controller PIC		
MFP controller CSRC control Body		
Scanner		
Printer		
FAX board controller		
Operation panel message data		
ADF		
Finisher (FS-526)	Only for FS-526 mounted with H8S/2378	Finisher FW for FS-526 not contained
Finisher (FS-527)		
RU		
ZU		
SD		
COPY PROTECT		
Movie Data		
Dictionary Data		

Donau BK

Card Ver.	Gxx-00, Gxx-F2, Gxx-F3, Gxx-F4, Gxx-F6	Gxx-F7 or later
BOOT	Only for CPU(MPC8533) Revision 1.1	For both of CPU(MPC8533) Revision 1.1 and Revision 2.1
MFP controller subset		
MFP controller		
MFP controller system		
MFP controller print controller		
MFP controller print controller font		
MFP controller print controller Demo Page		
MFP controller MIO		
MFP controller PSWC		
MFP controller MIB IF		
MFP controller IPP IF		
MFP controller TCP/Socket		
MFP controller OPEN API		
MFP controller operation panel		
MFP controller PIC		
MFP controller CSRC control Body		
Scanner		
Printer		
FAX board controller		
Operation panel message data		
Operation panel message data		
Operation panel message data		
ADF		
Finisher (FS-526)	Only for FS-526 mounted with H8S/2378	Finisher FW for FS-526 not contained
Finisher (FS-527)		
RU		
ZU		
SD		
COPY PROTECT		
Movie Data		
Dictionary Data		

B. Picasso-m / Gauguin / LaPlata-M/ FS-521

Summary of notice:

1. When updating Printer control (Cx) firmware, be sure to check and identify whether the control board on the machine is mounting substitute microcomputer or original microcomputer. And load the correct firmware version. Otherwise, error code will be indicated on the panel, and the machine will not work till correct firmware version is reloaded.
2. Spare parts provision of control boards are generally original ones only. If market demand is more than our demand forecast, KMBT may supply control board with substitute microcomputer, and part number is announced with Part Modification Notice.
3. If control board with substitute microcomputer gets defective, we recommend checking and identifying whether the new control board for the replacement is mounting original one or substitute one. And load the correct firmware version when installing it. If loading the original firmware, take identification label off from the machine in order for other engineers to indicate that the machine has control board with original microcomputer.

Applicable control boards:










Product	Product code	Original	
		Applicable control board	Part number
C6000/C7000	A1DV/A1DU	Printer control board	A1DUR70400
FS-521	A0GY	FS control board	A0GYH01001
bh 950	A0Y5	Printer control board	A0Y5H02003
bh 601/751	A0PP/A0PN	Printer control board	57AA-9021J

Manufacturing period and DL No. for substitute firmware




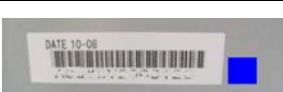
	Substitute 1 Manufacturing period	Substitute 2 Manufacturing period	Time to be back to original ones	DL No. for substitute FW
C6000/C7000	Late July to late August 2011	September to late December 2011	January 2012	DLBT1101604EN*
FS-521	Late July to late August 2011	-	September 2011	DLBT1101653EN*
bh950	Late September to late November 2011	-	December 2011	DLBT1101922EN*
bh601/751	Late July to late August 2011	-	September 2011	DLBT1101672EN*



Identification marks:

<Control board> Identify with the number printed on the board





Product	Original microcomputer		Substitute microcomputer 1		Substitute microcomputer 2	
	Indication on the board	Picture	Indication on the board	Picture	Indication on the board	Picture
bhPress C6000 C7000	A1DUH030		A1DUH830		A1DUH831	
FS-521	A0GYH010		A0GYH810		-	-
bh950	A0Y5H020		A0Y5H820		-	-
bh601/751	57AA-902		A0PNH820		-	-

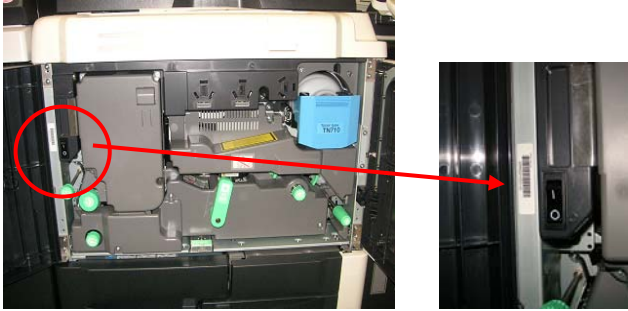
<Print engine: common to all products> Identification labels

	Original microcomputer	Substitute microcomputer 1	Substitute microcomputer 2 (in case second one is used)
Carton box	 No color label	 ■ Blue square labels are under Factory Original #.	■ Black square labels are under Factory Original #.
Nearby bar code label (Serial No.) on the print engine	 In case of horizontal type label	 ■ Blue square label is at right side	■ Black square labels are under Factory Original #.

	Original microcomputer	Substitute microcomputer 1	Substitute microcomputer 2 (in case second one is used)
	 In case of vertical type label No color label	of serial number label.  ■ Blue square label is under serial number label.	

Place at where bar code label (Serial No.) is:

	Place at where the label is	Picture
C6000/C7000	Open the front door, and it is on the left side of frame.	
FS-521	Open the front door, and it is on the left bottom side of frame.	 
950	Open the front door, and it is on the left bottom side of frame.	

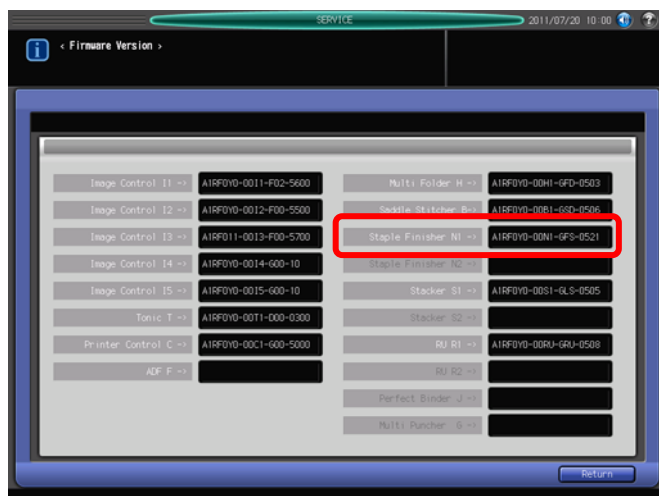
	Place at where the label is	Picture
601/751	Open the front door, and it is on the left side of frame.	

Notice when loading firmware to control board with substitute microcomputer:

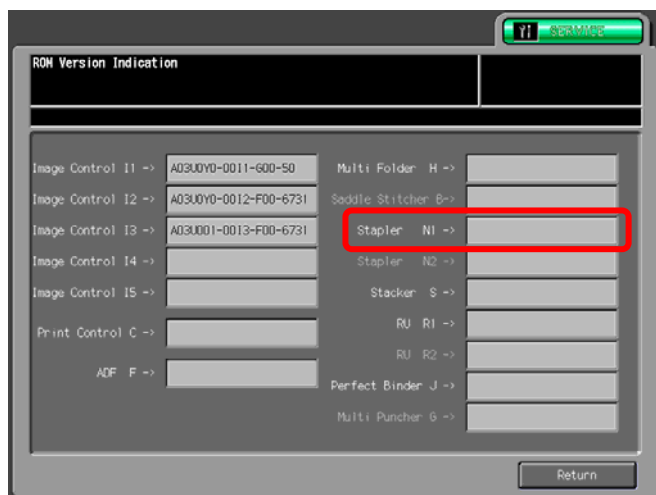
<FS-521>

The following are firmware modules, which can be incompatible depending on combination with control board type.

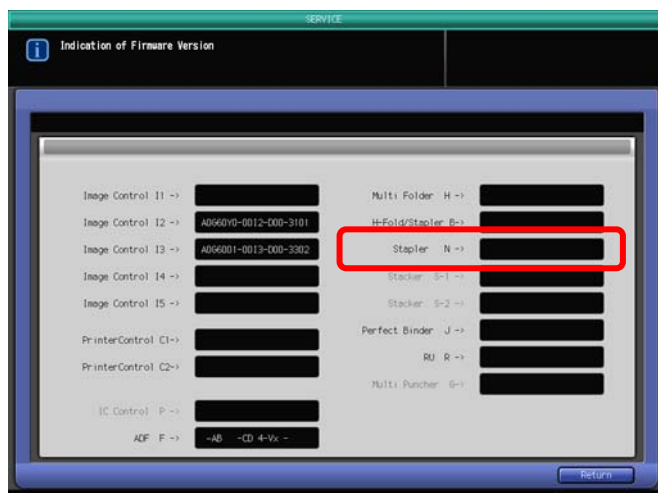
C8000, C7000/6000 series: Staple Finisher N1



C6501/5501 series: Stapler N1






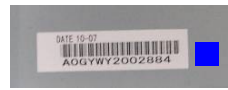
1200/1051 series: Stapler N



Control board in corresponding to firmware:

The difference between original firmware version and substitute firmware version is either G00 or G80.

The difference between original control board and substitute control board is either xxxxx010 or xxxxx810, and it can be identified also by the blue square label on the print engine.

	Original microcomputer		Substitute microcomputer 1	
	Indication on the board	Indication on the print engine	Indication on the board	Indication on the print engine
FS-521	A0GYH 010 	No color label 	A0GYH 810 	With blue square label  Nearby bar code label (Serial No. label)
Applicable firmware version	A0GY0Y0-00N1- G00 -5500 and before (including special firmware)		A0GY0Y0-00N1- G80 -5500 and onwards.	

Error code in case of wrong firmware is loaded:

In case of wrong firmware is loaded, C-C109 is indicated to all print engines.

Print engine: C8000, C7000/6000, C6501/5501, 1200/1051

The error is caused by wrong writing area or wrong interface. If error is indicated, the machine cannot be recovered unless right firmware is reloaded.

	Original firmware A0GY0Y0-00N1- G00 -5500	Substitute firmware A0GY0Y0-00N1- G80 -5500
A0GYH 010 Control board with <u>original</u> microcomputer	Works	Complete ISW, but C-C109 is indicated after initialization.
A0GYH 810 Control board with <u>substitute</u> microcomputer	ISW error is indicated during loading firmware. Error indication according to the print engine is as follows. C8000: [Download error occurred <246>] C7000/6000: [Download error occurred <246>] C6501/5501: [Download error occurred <224>] 1200/1051: [ISW system error <E2>] After that, although right firmware is loaded, ISW error is indicated again as long as sub- switch is turned OFF/ON. After sub-switch is turned OFF/ON, C-C109 is indicated. Follow the next chapter that explains the recovery procedure.	Works

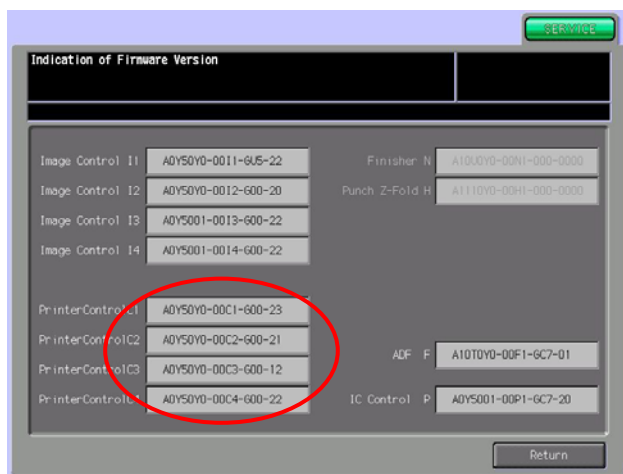
Recovery procedure in case of loading wrong firmware:

1. Turn OFF the sub-switch (SW2), and turn ON the sub-switch with keep press the "UTILITY" key.
2. Check the firmware version after going into the service mode. Verify the firmware version in accordance with service manual.
[2222222-2222-**222**-2222]: in case of loading substitute firmware on the control board with original microcomputer
[2222222-2222-**G80**-0000]: in case of loading original firmware on the control board with substitute microcomputer
3. Load correct firmware according to the usual ISW procedure. See the service manual.
[2222222-2222-**222**-2222] : Load A0GY0Y0_00N1_ **G00** _xxxx.bin (original version)
[2222222-2222-**G80**-0000] : Load A0GY0Y0_00N1_ **G80** _xxxx.bin (substitute version)
4. Verify the firmware version on the display through service mode.

<950>

The following is firmware modules, which can be incompatible depending on combination with control board type.





Printer control program (C-ROM)



Control board in corresponding to firmware:

The difference between original firmware version and substitute firmware version is either Gxx or G8x.

The difference between original control board and substitute control board is either xxxxx020 or xxxxx820, and it can be identified also by the blue square label on the print engine.

	Original microcomputer		Substitute microcomputer 1	
	Indication on the board	Indication on the print engine	Indication on the board	Indication on the print engine
950	A0Y5H 020 	No color label 	A0Y5H 820 	With blue square label 
Applicable firmware version	A0Y50Y0-00C0- G00 -23 and before (latest original mass production version)		A0Y50Y0-00C0- G80 -23 and onwards (substitute firmware version equivalent to latest original mass production version)	

* The following are the latest original firmware version

- C1: A0Y50Y0-00C1-G00-23
- C2: A0Y50Y0-00C2-G00-21
- C3: A0Y50Y0-00C3-G00-12
- C4: A0Y50Y0-00C4-G00-22

* The following are the latest substitute firmware version.

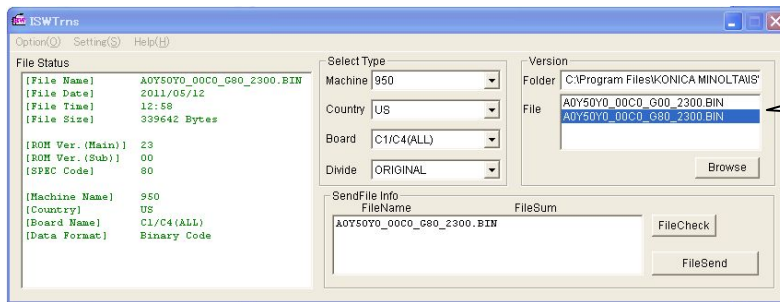
- C1: A0Y50Y0-00C1-G80-23
- C2: A0Y50Y0-00C2-G80-21
- C3: A0Y50Y0-00C3-G80-12
- C4: A0Y50Y0-00C4-G80-22

NOTE:

No compatibility between original firmware version and substitute firmware version even though between individual C-ROM versions. For instance, there is no compatibility between C2-ROM.

Procedure to load substitute firmware:

You can load substitute firmware onto the control board with substitute microcomputer by usual ISWTms. Nevertheless, services engineers need to choose the right firmware in correspond to the control board.

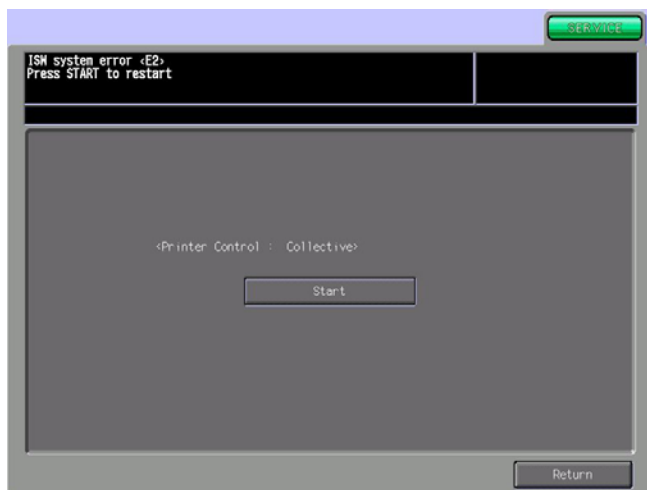


Choose right firmware here.
A0Y50Y0_00C0_**G80**_2300.BIN

* Internet ISW is not recommended it is because of once wrong firmware is loaded, the print engine does not work unless correct firmware is reloaded.

Error code in case of wrong firmware is loaded:

In case of wrong firmware is loaded, system error “E2” is indicated as a writing error. When the error code is indicated, the entire program inner flash memory is erased already, and the print engine will not work unless right firmware is reloaded.



Recovery procedure in case of loading wrong firmware:

You need to reload right firmware, but C-C104 is indicated just turn OFF/ON the power switch. Turn OFF the sub-switch, and turn ON the sub-switch with keep press the “UTILITY” key in order to go into the service mode, which is usual way to load firmware after installing new printer control board.



* In this time, the firmware version indicated on the display is previous version before error code happens.
After going into service mode, reload right firmware by ISWTms.

<C6000/C7000>


The following are firmware modules, which can be incompatible depending on combination with control board type.

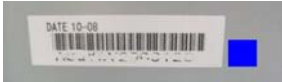

Printer control program(C-ROM)

Control board in corresponding to firmware: (There are two substitute microcomputers)

The difference between original firmware version and substitute firmware version is either G00 or G80 or G81.

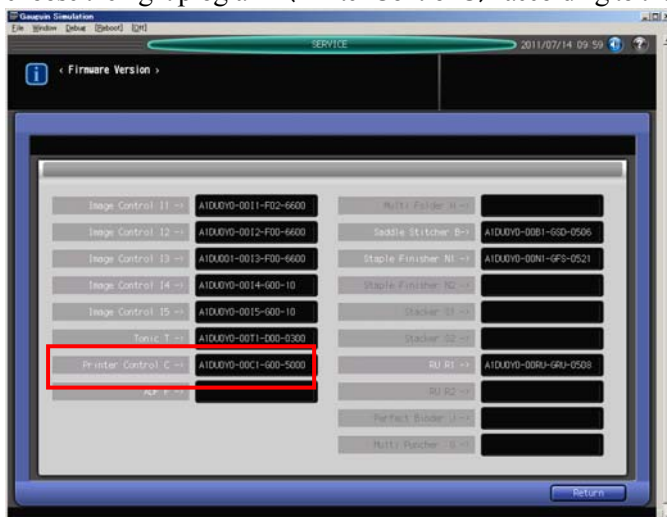
The difference between original control board and substitute control board is either xxxxx030 or xxxxx830 or xxxxx831, and it can be identified also by either blue square label or black square label on the print engine.

C6000/C7000	Original microcomputer	
	Indication on the board	Indication on the print engine
	A1DUH 030	No label 
Applicable firmware version	A1DU0Y0-00C1- G00 -32 and before	

C6000/C7000	Substitute microcomputer 1		Substitute microcomputer 2	
	Indication on the board	Indication on the print engine	Indication on the board	Indication on the print engine
	A1DUH 830	With blue square label 	A1DUH 831	With black square label 
Applicable firmware version	A1DU0Y0-00C1- G80 -32 and before		A1DU0Y0-00C1- G81 -32 and onwards	

Procedure to load substitute firmware:

Procedure is same as usual firmware loading. Go into the service mode, and choose the [08 Firmware version]. You can choose the right program (Printer Control C) according to the printer control board.



Error code in case of wrong firmware is loaded and Recovery:

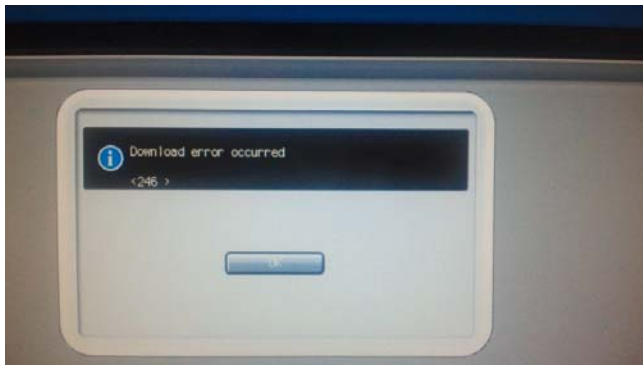
	Original firmware A1DU0Y0-00C1- G00 -32	Substitute firmware 1 A1DU0Y0-00C1- G80 -32	Substitute firmware 2 A1DU0Y0-00C1- G81 -32
A1DUH 030 Control board with original microcomputer	Works	NG—B	NG—A
A1DUH 830 Control board With substitute microcomputer 1	NG—A	Works	NG—B
A1DUH 831 Control board With substitute microcomputer 2	NG—A	NG—B	Works

<NG-A>

ISW does not complete, and downloading is maintained. In this case, it cannot be distinguished whether or not it is an error or just on the way to downloading. Therefore if downloading does not complete within 5 minutes, it must be NG-A. Usually, downloading completes about 1 minute. When sub-switch is turned OFF/ON, print engine is recovered with the previous firmware version. Reload the correct firmware version by usual firmware loading.

<NG-B>

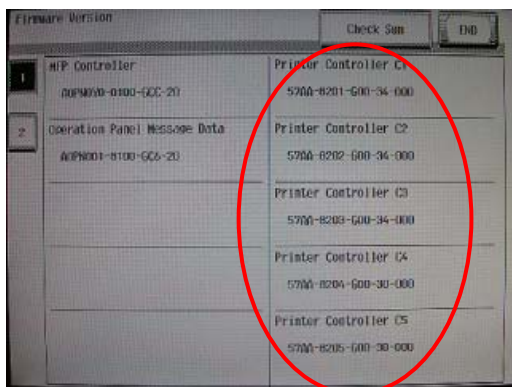
Either error code **246** or **247** is indicated on the display. When sub-switch is turned OFF/ON, print engine is recovered with the previous firmware version. Reload the correct firmware version by usual firmware loading.



<601/751>

The following is firmware modules, which can be incompatible depending on combination with control board type.





Printer control program (C-ROM)



Control board in corresponding to firmware:

The difference between original firmware version and substitute firmware version is the last digits either 00 or 80.

The difference between original control board and substitute control board is obvious as shown below, and it can be identified also by the blue square label on the print engine.

	Original microcomputer		Substitute microcomputer 1	
	Indication on the board	Indication on the print engine	Indication on the board	Indication on the print engine
	57AA-902 	No color label 	A0PNH820 	With blue square label 
751/601				
Applicable firmware version	751: 57aa000c0g3400 00 601: 57ba000c0g3500 00 (latest original mass production version)		751: 57aa000c0g3400 80 601: 57ba000c0g3500 80 (substitute firmware version equivalent to latest original mass production version)	

* The following are the latest original firmware version

751

- C1 : 57AA-8201-G00-34-000
- C2 : 57AA-8202-G00-34-000
- C3 : 57AA-8203-G00-34-000
- C4 : 57AA-8204-G00-30-000
- C5 : 57AA-8205-G00-30-000

601

- C1 : 57AA-8201-G00-34-000
- C2 : 57AA-8202-G00-34-000
- C3 : 57AA-8203-G00-35-000
- C4 : 57AA-8204-G00-30-000
- C5 : 57AA-8205-G00-30-000

* The following are the latest substitute firmware version.

751

C1 : 57AA-8201-G80-34-000

C2 : 57AA-8202-G80-34-000

C3 : 57AA-8203-G80-34-000

C4 : 57AA-8204-G80-30-000

C5 : 57AA-8205-G80-30-000

601

C1 : 57AA-8201-G80-34-000

C2 : 57AA-8202-G80-34-000

C3 : 57AA-8203-G80-35-000

C4 : 57AA-8204-G80-30-000

C5 : 57AA-8205-G80-30-000

NOTE:

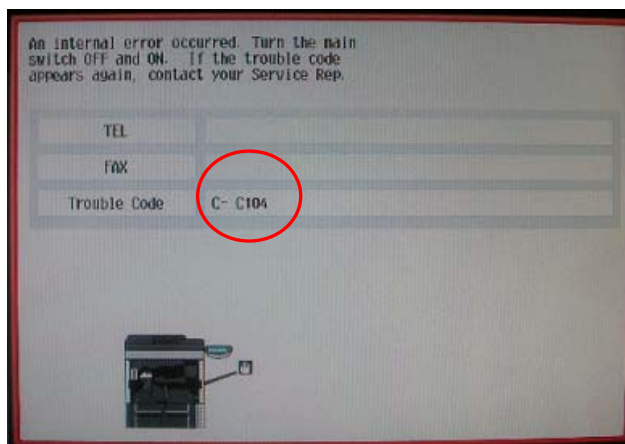
No compatibility between original firmware version and substitute firmware version even though between individual C-ROM versions. For instance, there is no compatibility between C2-ROM.

Procedure to load substitute firmware:

Procedure is same as usual way. Nevertheless, services engineers need to choose the right firmware in correspond to the control board.

Error code in case of wrong firmware is loaded:

In case of wrong firmware is loaded, ISW itself is completed at that time. However, C-C104 is indicated on the display after initialization of the print engine. The error code cannot be recovered unless right firmware is reloaded.



Recovery procedure in case of loading wrong firmware:

- 1) Turn OFF the sub-switch, but main switch must be keep ON.
- 2) Keep press UTILITY, and turn ON the main switch in order to go into the service mode.
- 3) Press “trouble reset”, and then press “OK”.
- 4) Go into the service mode, and reload right firmware.
- 5) Turn OFF/ON the main switch, and verify the firmware version just reloaded.

NOTE:

After the error code C-C104 is indicated, previous firmware version is not indicated on the display. Last five digits are being all zero. Consequently, you cannot identify what firmware was loaded out of the display after C-C104 was indicated. You need to verify the label nearby the bar code label on the frame.

Firmware Version		Check Sum	END
1	MFP Controller AOPN0Y0-0100-GCC-20	Printer Controller C1 57AA-8201-G00-00-000	
2	Operation Panel Message Data AOPN001-8100-GC6-20	Printer Controller C2 57AA-8202-G00-00-000	
		Printer Controller C3 57AA-8203-G00-00-000	
		Printer Controller C4 57AA-8204-G00-00-000	
		Printer Controller C5 57AA-8205-	