Issued by Canon Europa N.V.

Model : Finisher-D1
Finisher-E1

No.: Acc-150 Rev. 1
(FF-T01-W-000058-02)

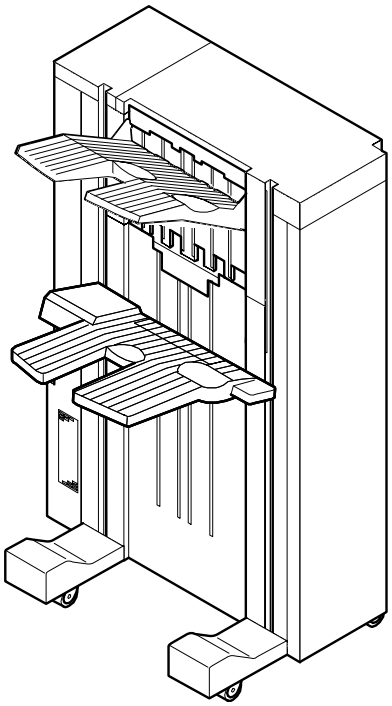
DATE: 10.09.99

Location : INTRODUCING A NEW TOOL

Subject : DOWNLOADING USING FINISHER DOWNLOADER PCB

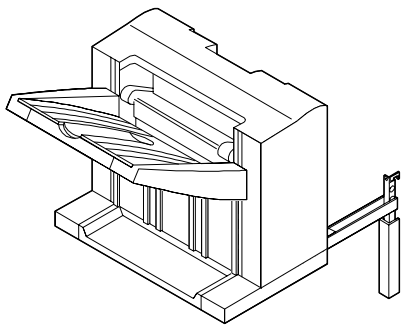
Reason : This bulletin communicates how to download from a computer (PC) through a downloader PCB as a means of upgrading the ROM of a finisher.

Details : 1. Applicable Models
May be used for the following two models:



Finisher-D1

Figure 1-1



Finisher-E1

Figure 1-2

2. Components of the Downloader PCB (FY8-2034-000)

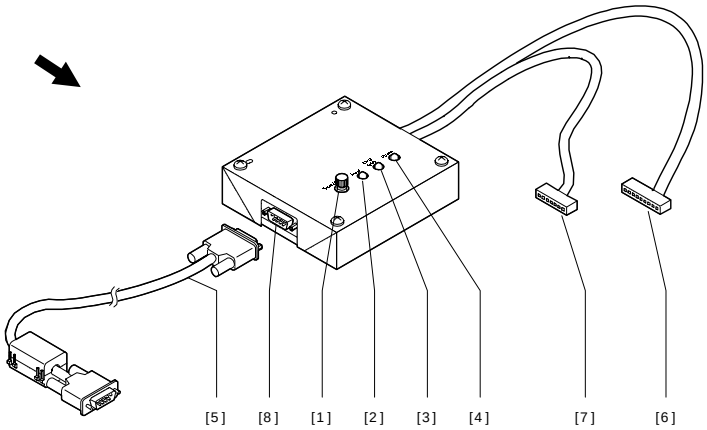


Figure 2-1

Names and Functions of the Parts

Ref.	Name	Remarks
[1]	START/STOP button	Press it to start/stop downloading.
[2]	LOAD LED	Remains on when downloading is ready.
[3]	Model indicator LED	Remains on when the Finisher-D1 is connected.
[4]	Power indicator LED	Remains on when the downloader PCB is supplied with power by the finisher.
[5]	RS-232C cable (straight, full connection; 9-pin)	Use it to connect the downloader PCB to a computer. Be sure to make a connection so that the ferrite core of the cable is on the computer side.
[6]	Cable A (9-pin; about 70 cm in length)	Use it to connect the PCB to the Finisher-D1.
[7]	Cable B (7-pin; about 50 cm in length)	Use it to connect the PCB to the Finisher-E1.
[8]	RS-232C connector	Use it to connect the RS-232C cable to the PCB.

Table 2-1

3. Related Tool

For downloading, you must obtain the following item:

¥ Computer (PC)
Requirements.

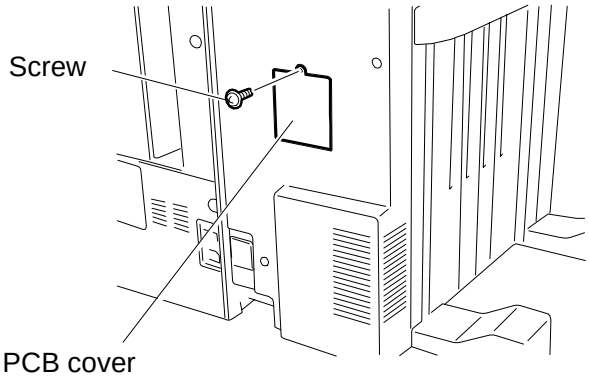
OS	Windows95 or 98
Processor	Pentium 75 MHz or better
Available memory	16 MB or more
External connection connector	RS-232C connector (9-pin, male)

Table 3-1

4. Downloading Procedure

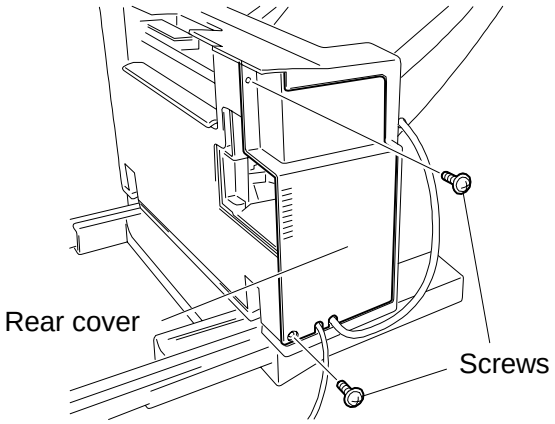
A. Connecting to the Finisher

1) Turn off the copier.
2) Detach the PCB cover of the finisher (1 screw for the Finisher-D1) or the rear cover (2 screws for the Finisher-E1).



Finisher-D1

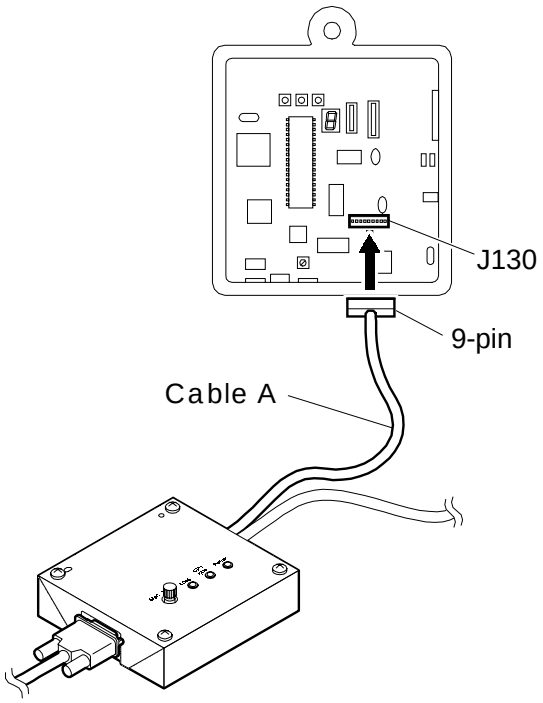
Figure 4-1



Finisher-E1

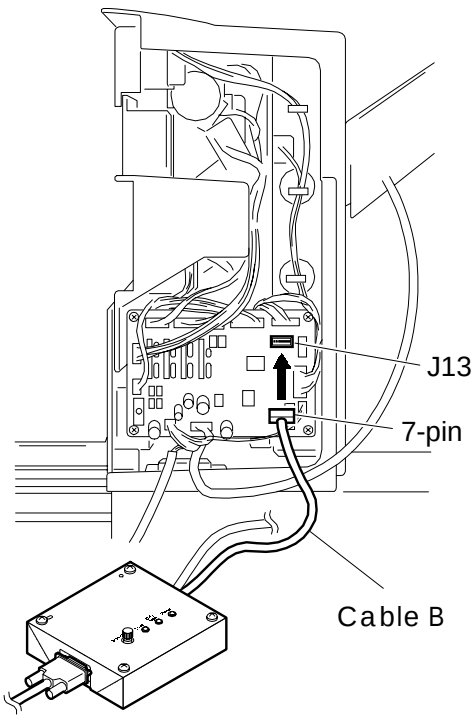
Figure 4-2

3) Connect the cable A to J130 of the finisher controller PCB (for the Finisher-D1). Or, connect the cable B to J13 of the finisher controller PCB (for the Finisher-E1).



Finisher-D1

Figure 4-3



Finisher-E1

Figure 4-4

4) For the Finisher-D1, shift bit 6 of the DIP switch SW107 to ON.

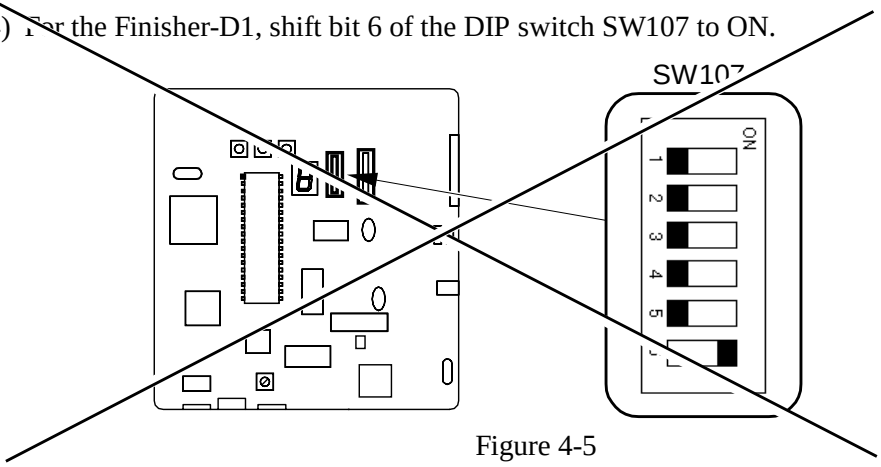


Figure 4-5

4) Connect the RS-232C cable to the PCB and the RS-232C connector of the computer.
~~5)~~ Make sure that the ferrite core of the RS-232C cable is on the computer side.
5) Turn on the copier.
~~6)~~ The power indicator LED on the PCB turns on. If the connection is to a Finisher-D1, the model indicator LED will also turn on.

B. Adding ROM Data

1) Put the ROM data you want into the folder "C\ServTool\NewROM."
2) Start the service support tool.
C:\ ProgramFiles \ Service Support Tool \ bpchost.exe
3) Select "Controlling Data."

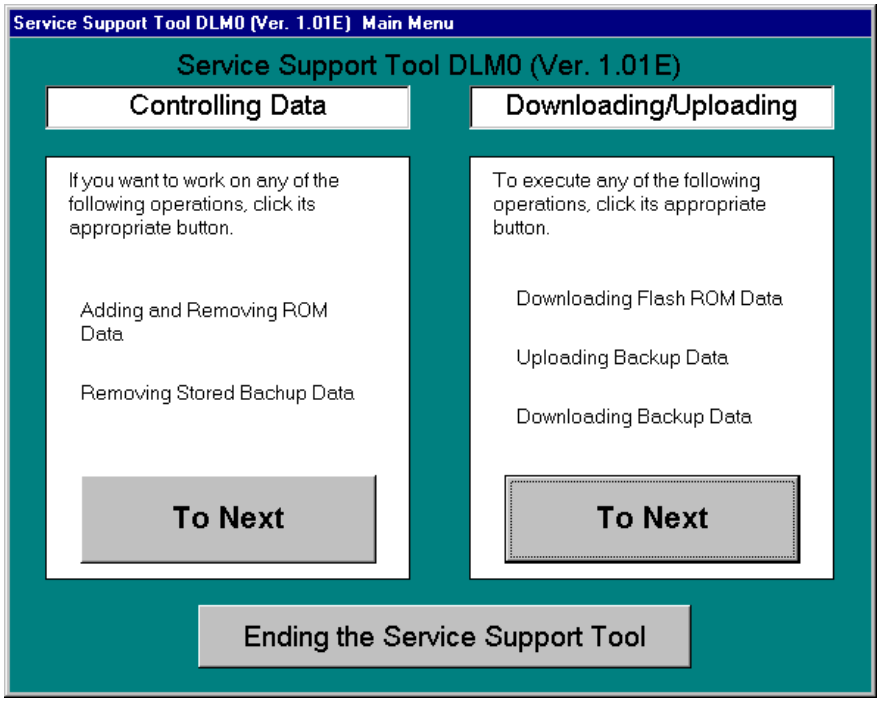
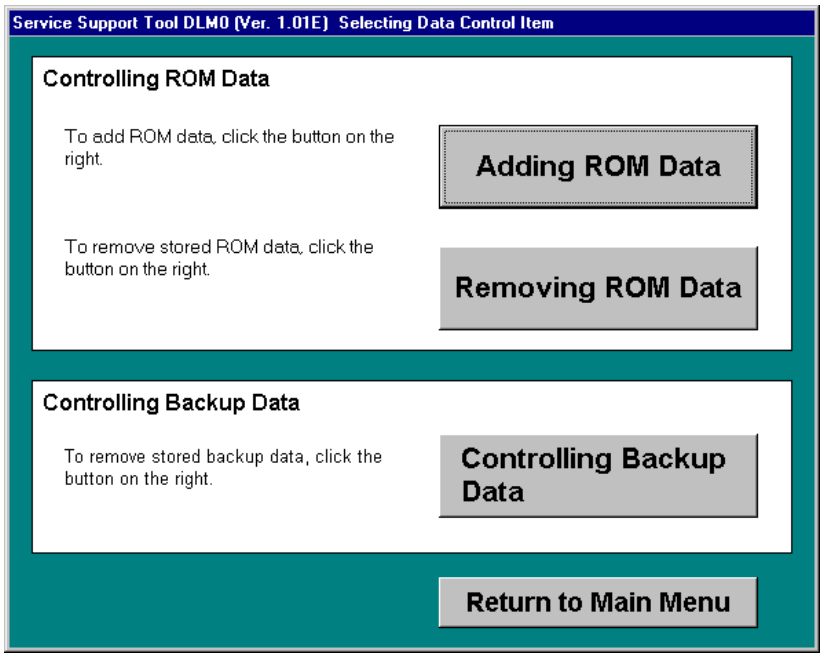


Figure 4-5

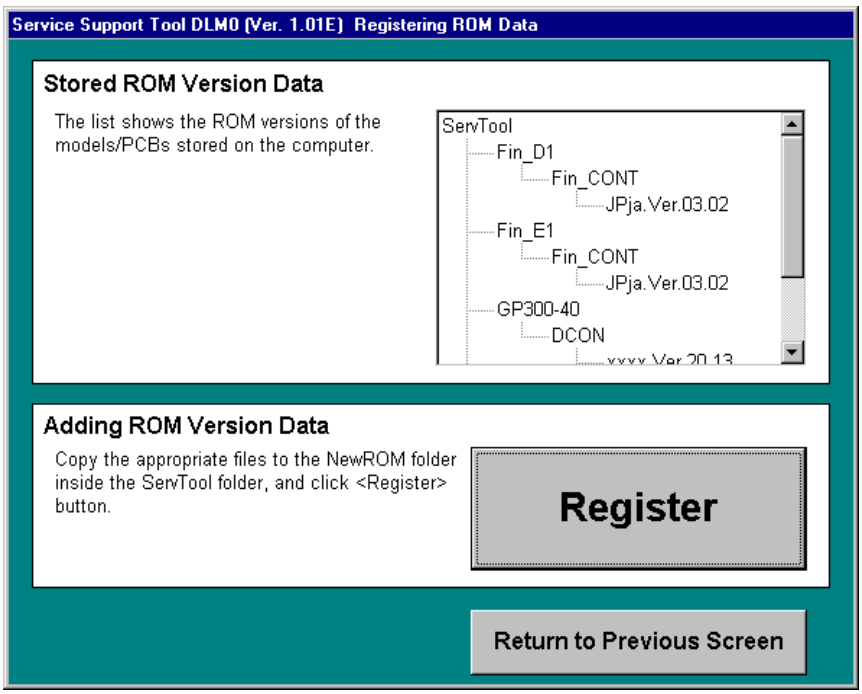
~~4-6~~

4) Select "Adding ROM Data."



➡ Figure 4-6
~~4-5~~

5) Select "Register."
The data will be stored in hard disk. The data found in the folder "NewROM" will be deleted.

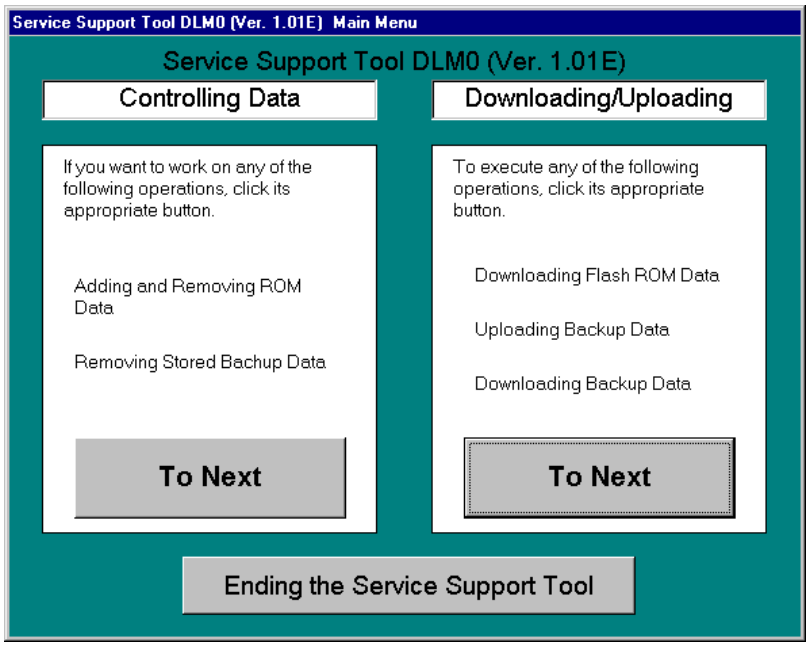


➡ Figure 4-7
~~4-8~~

C. Downloading

➡ ***Caution:*** *In the case of the Finisher-D1, 'E500' or 'E501' can occur during downloading operation. Such, however, will not affect the results of the work.*

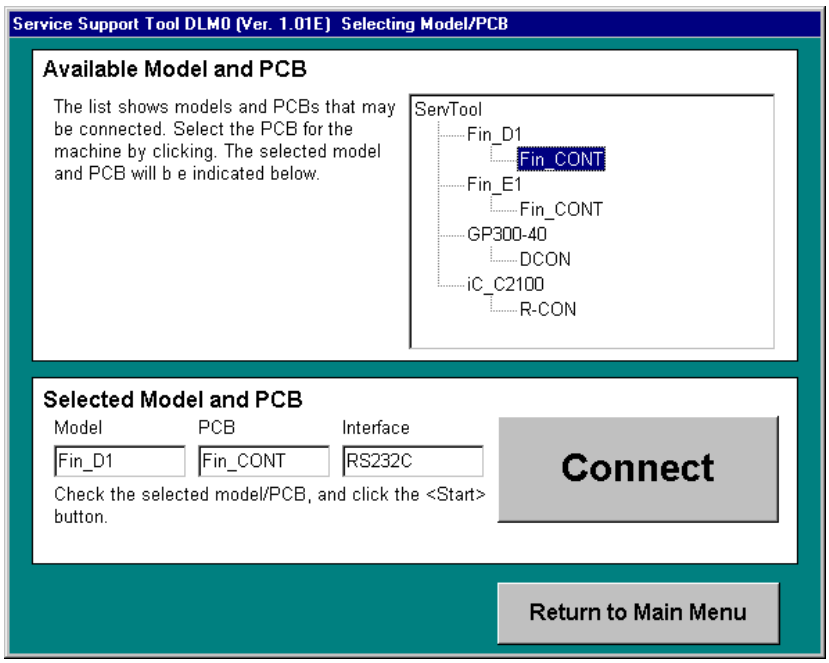
1) Start service support tool.
   C: \ ProgramFiles \ ServiceSupportTool \ bpchost.exe
2) Select "Downloading/Uploading."



➡ Figure 4-8

~~4-9~~

3) Press the START/STOP button.
   The LOAD LED will turn on.
4) Select the model for downloading.
   Select the name of the model to highlight, and press the Connect button.



➡ Figure 4-9

~~4-10~~

5) According to the instructions on the screen, make preparations for downloading. Press the OK button on the screen to move to the next screen.

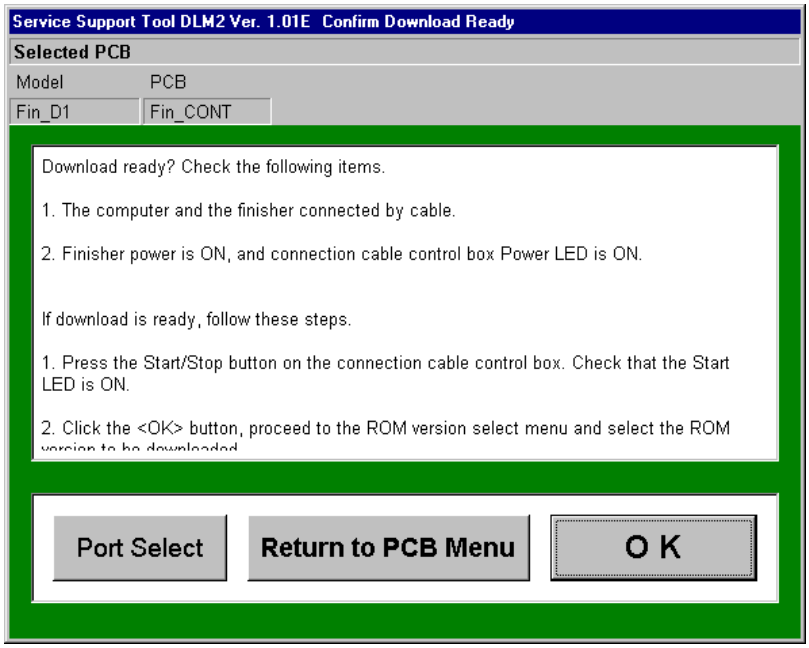


Figure 4-10

~~4-11~~

6) Select the version of the ROM you want to download.

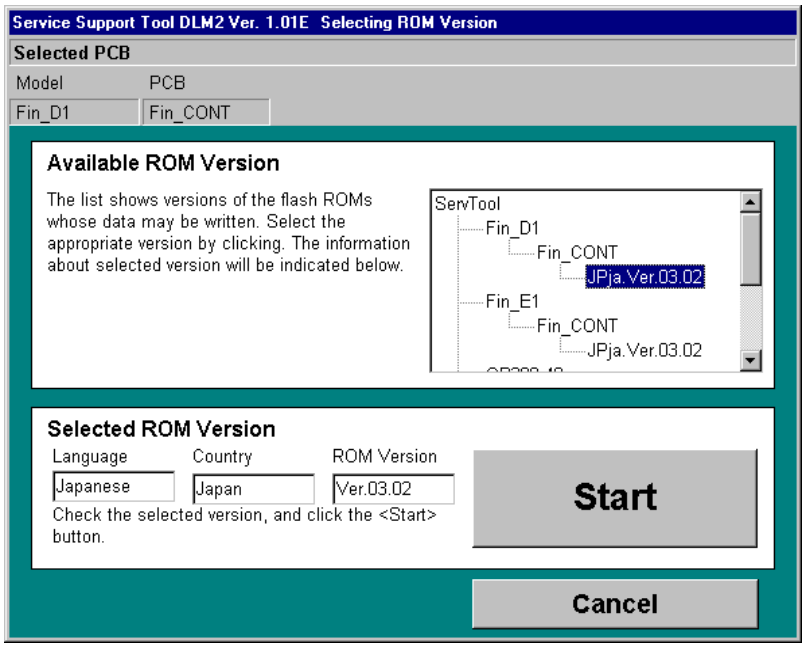


Figure 4-11

~~4-12~~

7) Press the Connect button so that the computer and the PCB will download the program.

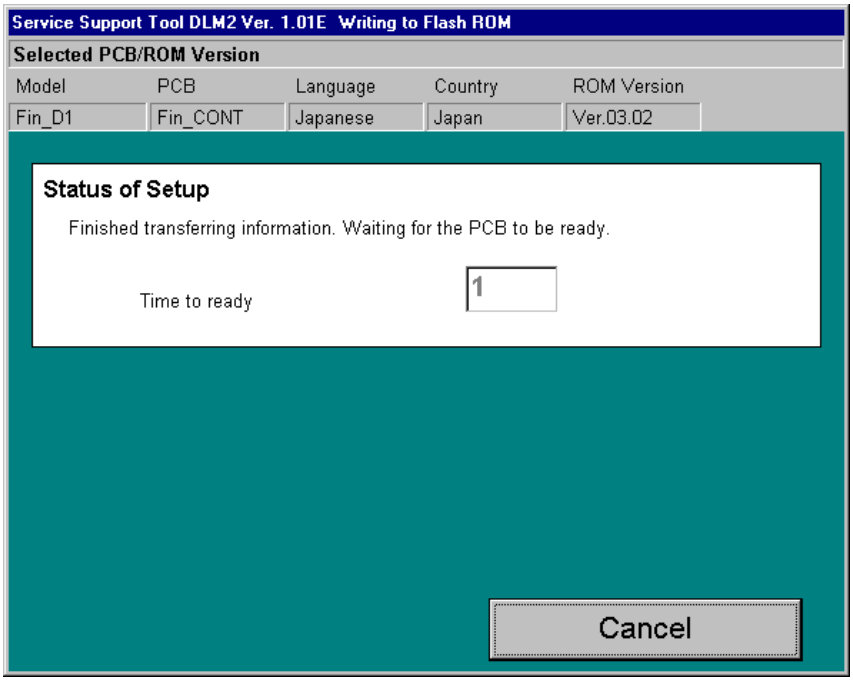


Figure 4-12

~~4-13~~

8) When downloading has ended normally, press the OK button.

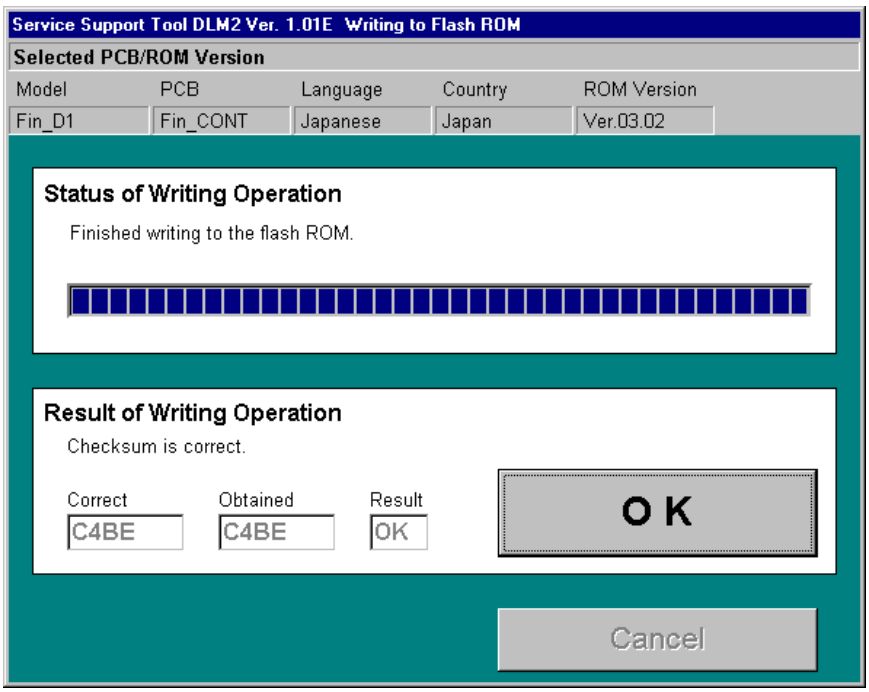


Figure 4-13

~~4-14~~

9) Follow the instructions on the screen to end the work.

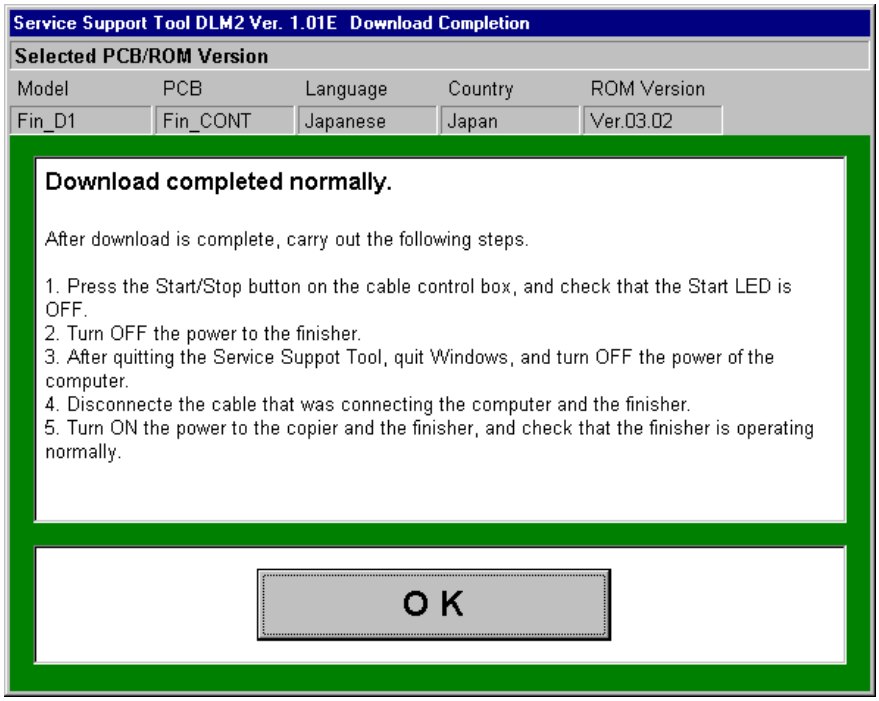


Figure 4-14

~~4-15~~

5. Disconnecting

1) Press the START/STOP button.
   The LOAD LED will turn off.
2) Disconnect the cable A or B from the finisher.
3) Turn off the host copier.

~~For the Finisher-D1, shift bit 6 of SW107 to OFF.~~

4) Mount the PCB cover of the finisher (for the Finisher-D1) or the rear cover (for the Finisher-E1).

6. Service Parts

FIGURE & KEY No.	Part number	Q'ty	Description	Remarks
-	FY9-2034-000	1	DOWN LOADER PCB ASSEMBLY	