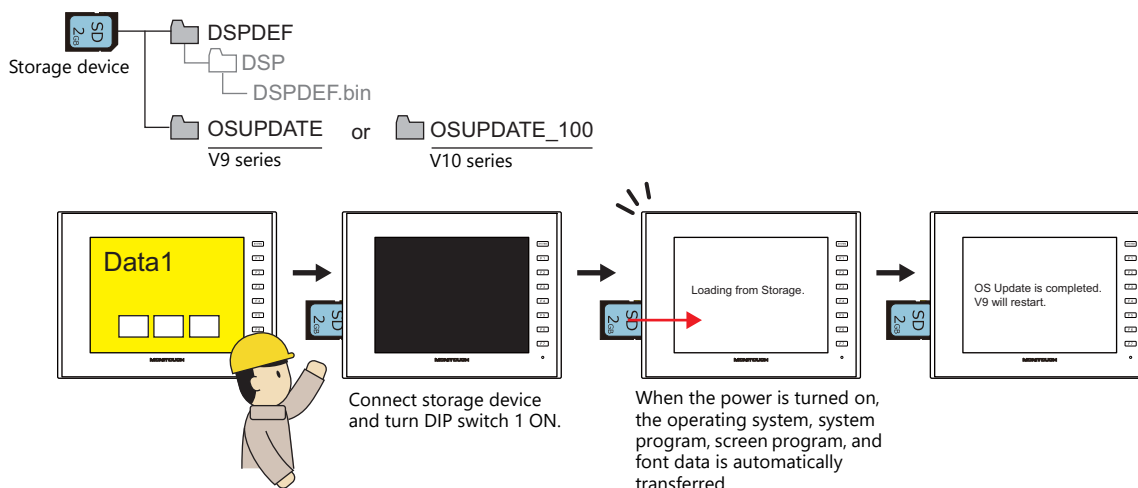


## 8.3.5 Automatically Updating the Operating System

This section describes the procedure for automatically updating the operating system for operating the V10/V9 series unit. The operating system and system program can be updated automatically by connecting a storage device to the V10/V9 series unit and turning the power on.

The operating system version can be checked from the System Information screen in Local mode on the V10/V9 series unit.

 For the recommended capacity of a storage device, refer to ["8.1.2 Storage Device Specifications" page 8-1](#).

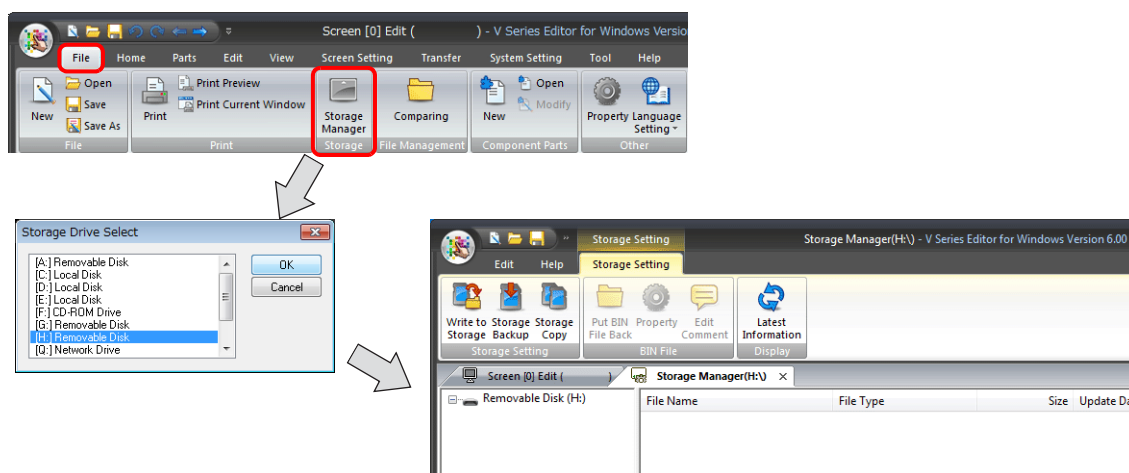


### Notes

- Before updating the operating system, creating a backup of the screen program and other data such as SRAM data is recommended to guard against data loss.
- When the operating system is updated the system program is automatically updated as well.
- It takes approximately a few minutes to update the operating system. During the update, never turn off the power of the V10/V9 series unit or remove the storage device.
- When both an SD card and a USB flash drive are connected to the V10/V9 series unit, the SD card takes priority.
- If the storage device is removed with DIP switch 1 left ON after automatic updating and the power is turned off and on again, the message "Insert Storage in V10 (or V9)." is displayed and the V10/V9 series unit does not start correctly. If the storage device is left connected with DIP switch 1 left ON and the power is turned off and on again, automatic updating is performed again. Be sure to set DIP switch 1 to OFF after updating and then turn on the power.

### PC → Storage Device Writing

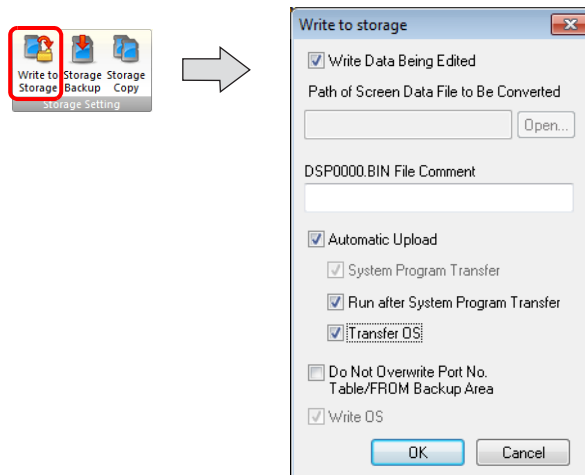
1. Start V-SFT.
2. Click [File] → [Storage Manager]. The window for specifying a drive is displayed.
3. Specify the drive where the storage device is inserted and click [OK]. The [Storage Manager] window <sup>\*1</sup> is displayed.



\*1 Storage manager

The storage manager is an application that facilitates writing of V10/V9 screen programs to a storage device, and importing of data from a storage device for conversion into other file formats. For details, refer to ["8.4 Storage Manager" page 8-31](#).

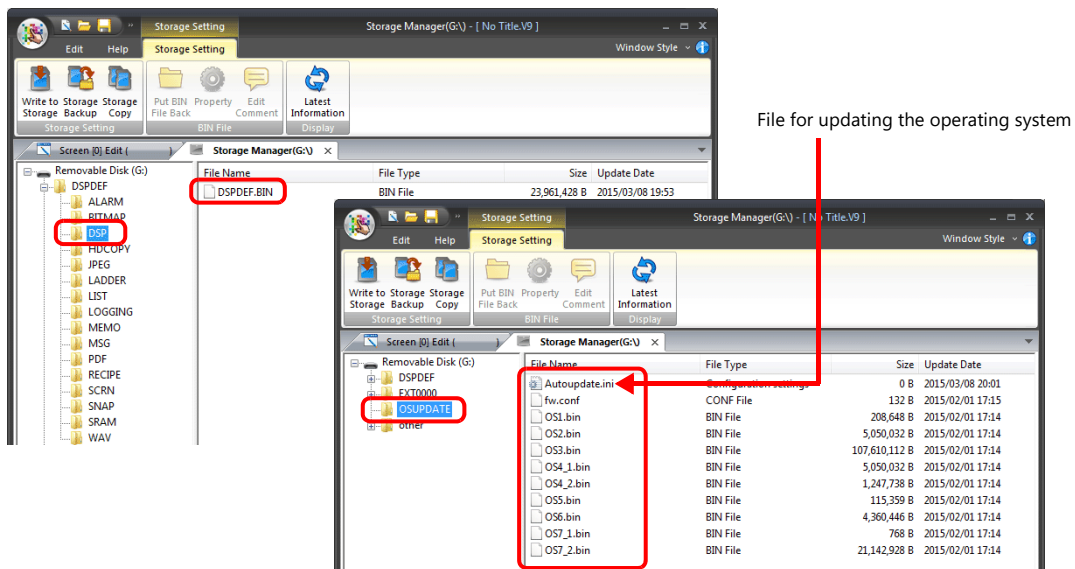
- Click [Storage Setting] → [Write to Storage]. The [Write to storage] window is displayed. Configure the following settings.



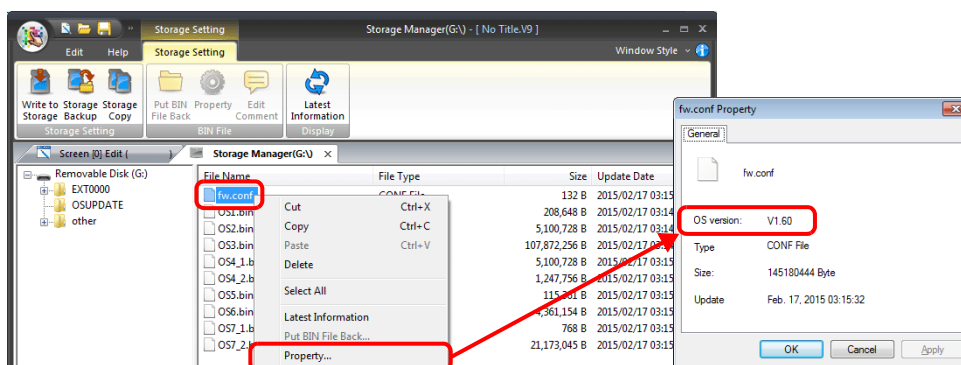
Item	Description
Write Data Being Edited *1	Write the screen program that is open (being edited) in V-SFT.
Path of Screen Data File to Be Converted *1	Select the screen program for writing to the storage device from the [Open] button. [Screen Data File (*.V10)], [Screen Data File (*.V9)]
Automatic Upload	Create an automatic upload file.
Transfer OS	Select this checkbox when transferring the operating system together with the screen program. The system program is transferred as well.

\*1 Selection of a screen program is necessary. Operating system data can only be written together with a screen program.

- When the settings are complete, click [OK]. A "DSPDEF.BIN" file is saved to "DSPDEF\DSP". The "DSPDEF.BIN" file contains the screen program, system program, fonts, I/F driver etc. The following files are saved to the "OSUPDATE" folder.



Click on [Property] on the right-click menu of the "fw.conf" file to view the operating system version.



## Operation on the V10/V9 Series

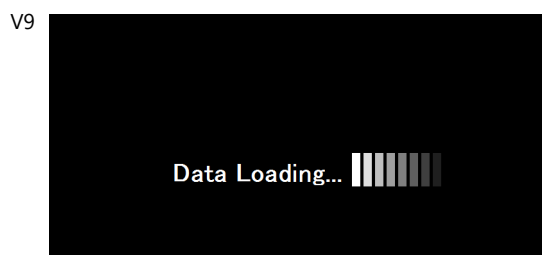
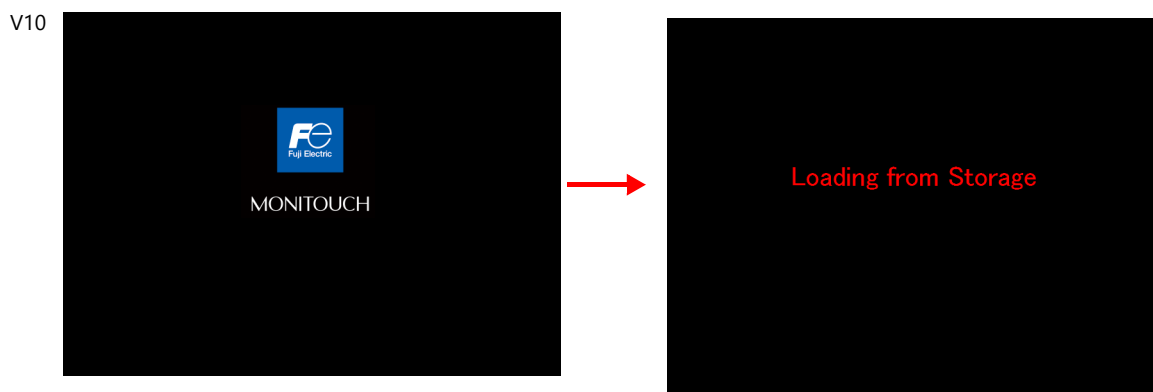
After writing the data on a storage device, update the operating system according to the following procedure.

1. Turn off the V10/V9 series unit.
2. Connect the storage device to the V10/V9 series unit.
3. Set DIPSW1 on the V10/V9 series unit to ON.
4. Turn on power to the V10/V9 series unit. The following message is displayed.

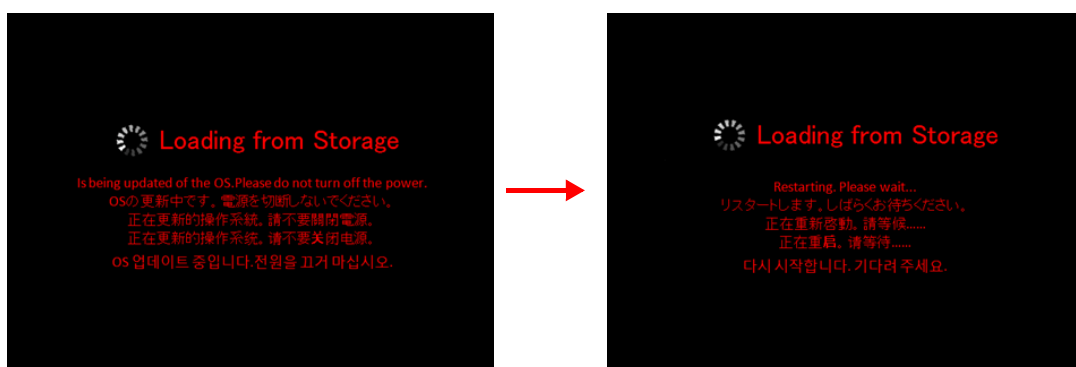
\* The "Loading from Storage" message may be displayed.



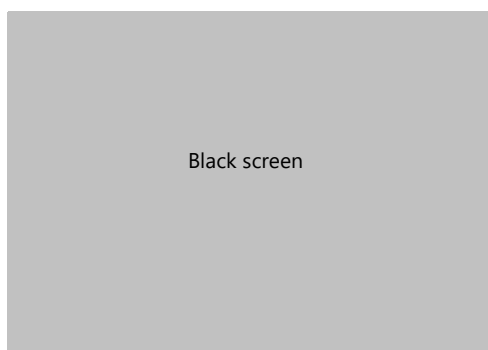
While update is in progress, never turn off the power of the V10/V9 series unit or remove the storage device.



5. The following message appears.



6. The screen turns black for a short while.



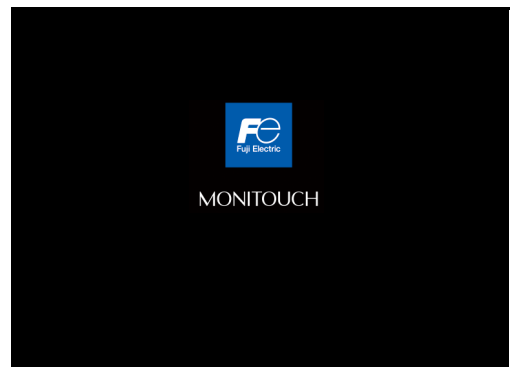
7. The following screen is displayed while the operating system is being updated.



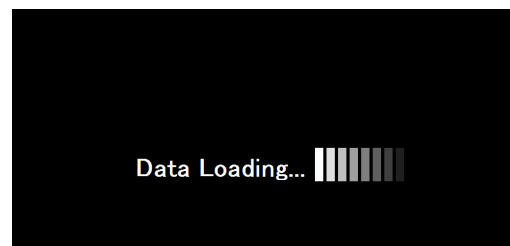
8. When the update completes without any errors, the following screen is displayed and the V10/V9 series unit automatically reboots.



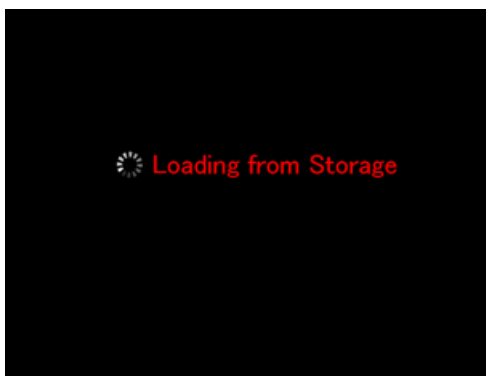
V10



V9



9. The "Loading from Storage" message is displayed again, and then the screen program saved to the storage device is written. When transfer is complete, the V10/V9 series unit automatically switches to RUN mode.



10. Switch to Local mode from the system menu. Check that the [Program Ver.] and [OSVer] have respectively been updated.

