

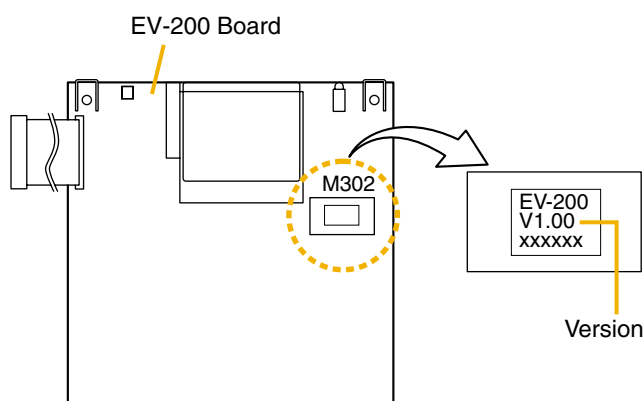
VOICE ANNOUNCEMENT BOARD

EV-200

1. FIRMWARE VERSION

The EV-200 Voice Announcement Board installed with firmware of Ver. 3.00 or later can use CF cards in Windows format. However, EV-200 boards with firmware earlier than Ver.3.00 can also be made compatible with the Windows-formatted cards by updating the firmware to the latest version. The EV-200 boards of Ver.3.00 or later can play back the CF cards recorded using the EV-200 Data Edit Software Program.

Confirm the version number on the label attached to the EV-200 board's M302.



2. PREPARATION

Prepare the following to upgrade the firmware version:

- CompactFlash (CF) card*¹
- PC that can be used to write to the CF card. (OS: Windows 2000)
- Firmware file (Filename: EV2xxx.MOT)*²

*¹ Cards that can be used to update the firmware version.

Maker	Capacity	Firmware Version		
		Ver. 1.00	Ver. 2.00	Ver. 3.00
Sandisk* ³	10 Mbyte	✓	✓	✓
	16 Mbyte	✓	✓	✓
	32 Mbyte	x	x	✓
	48 Mbyte	x	x	✓
	64 Mbyte	✓	✓	✓
	96 Mbyte	✓	✓	✓
	128 Mbyte	✓	✓	✓
HAGIWARA SYS-COM	16 Mbyte	x	✓	✓
	32 Mbyte	x	x	✓
	128 Mbyte	x	✓	✓
HITACHI	16 Mbyte	x	✓	✓
	32 Mbyte	x	x	✓
FUJISOKU	16 Mbyte	✓	✓	✓
	32 Mbyte	x	x	✓
	48 Mbyte	x	x	✓
	64 Mbyte	✓	✓	✓

✓ : Usable
x : Unusable

*² The part "xxx" in the filename shows the version number; for example, in the case of Ver. 3.00, the filename is "EV2300.MOT."

*³ The Sandisk cards of a recent production lot may not operate correctly. If this occurs, consult your TOA dealer.

3. UPDATING VERSION

To update the EV-200 firmware, install the EV-200 board inside the VX-2000 or VM-2000.
When two EV-200 boards are already installed in the VX-2000, remove one in the update procedure.
For mounting or removing the EV-200, refer to the instruction manual supplied with the VX-2000 or VM-2000.

Important

Turn off the VX-2000 or VM-2000 before mounting or removing the EV-200.
Failure to do so may cause the EV-200 breakdown.

Step 1. Insert the CF card into the PC card slot.

Step 2. Format the CF card by way of Windows Explorer.

Notes

- To format the card, select "FAT*" from the File System pull-down menu.
The EV-200 unit will not recognize the card formatted using "NTFS" or "FAT32."
* Automatically performs FAT12 or FAT16 format according to the card capacity.
- Execute "Normal" formatting without selecting "Quick" formatting.
- Perform formatting in the Windows environment without using command prompts. The EV-200 unit's firmware version may not be correctly updated if formatted by way of the command prompts.

Step 3. Copy the firmware file to the CF card.

Note

Do not change the filename. If the filename differs, the EV-200's firmware version update cannot be correctly performed.

Step 4. Switch OFF the power supply to the EV-200 unit.

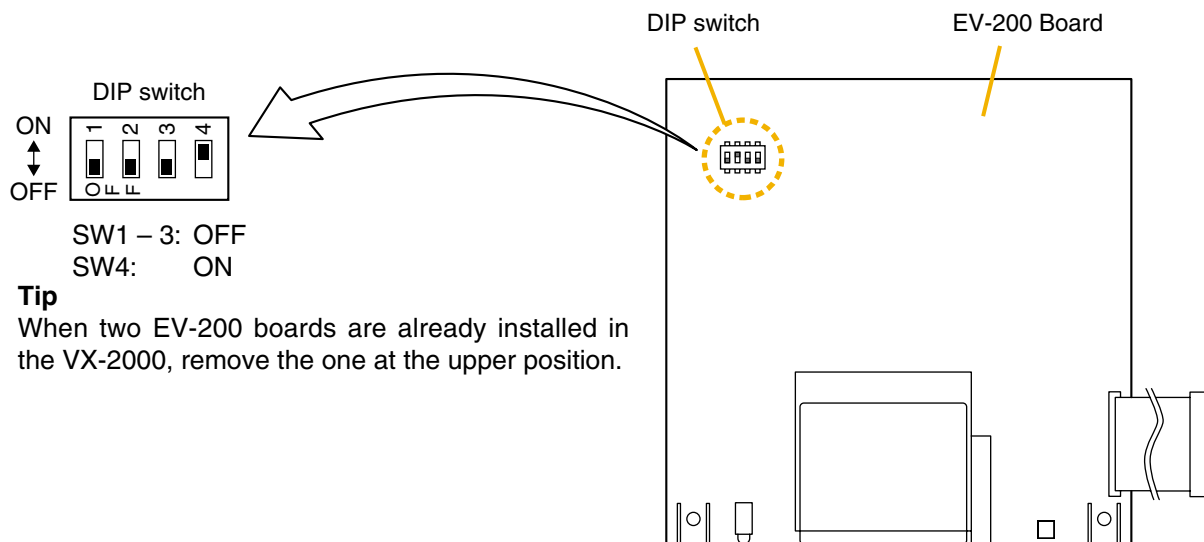
Notes

- When the EV-200 is installed in the VM-2000, the EV-200's power remains still on even when turning the VM-2000's power switch to OFF. To shut down the EV-200's power, unplug the VM-2000's power cord.
- When the EV-200 is installed in the VX-2000, refer to the VX-2000 instruction manual for turning off the EV-200.

Step 5. Make a memo of the position of the DIP switches on the EV-200 board, then set the switch as shown in the figure below.

Note

Return the DIP switch to the original position after firmware update completion.



Tip

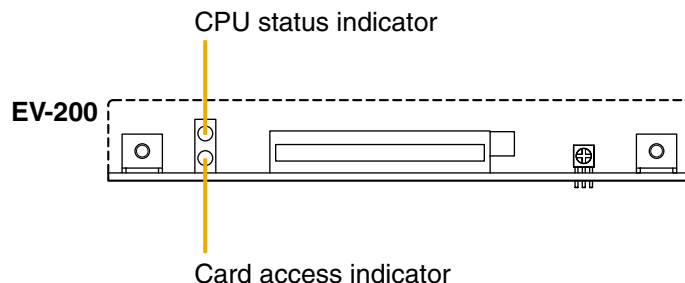
When two EV-200 boards are already installed in the VX-2000, remove the one at the upper position.

Step 6. Insert the CF card onto which the firmware file was written in **Step 3** into the EV-200 board and switch ON the power to the EV-200.*

* When the EV-200 is not installed in the VX-2000 or VM-2000, install it.

The EV-200's firmware update begins.

During the update, the CPU status indicator (upper LED), located on the left side of the EV-200 unit's CF card slot, flashes at 0.5-second intervals, while the Card access indicator (lower LED) flashes irregularly.



Firmware rewrite is completed in about 8 – 10 minutes.

After completion, the CPU status indicator (upper LED) shows the following depending on the pre-rewrite firmware versions:

Pre-rewrite firmware Ver. 1.00: Flashes at 1-second intervals

Ver. 2.00: Extinguishes

The card access indicator (lower LED) extinguishes in both versions.

Step 7. After completion of firmware rewrite, switch OFF the power to the EV-200 board, and remove the CF card from the EV-200. Then return the DIP switch set in **Step 5** to its previous position.

Windows-formatted CF cards edited using the EV-200 Data Edit Software Program can now be used with the EV-200 board.