

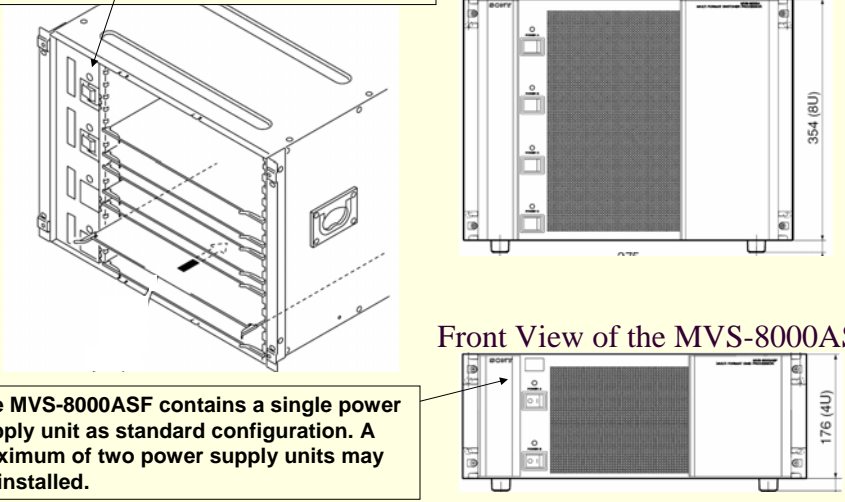
3

The MVS-8000A contains two power supply units as standard configuration. A maximum of four power supply units may be installed.

Front View of the MVS-8000A

Front View of the MVS-8000ASF

The MVS-8000ASF contains a single power supply unit as standard configuration. A maximum of two power supply units may be installed.



4

Rear View of the MVS-8000A/ASF

Fans

Fan

Fans

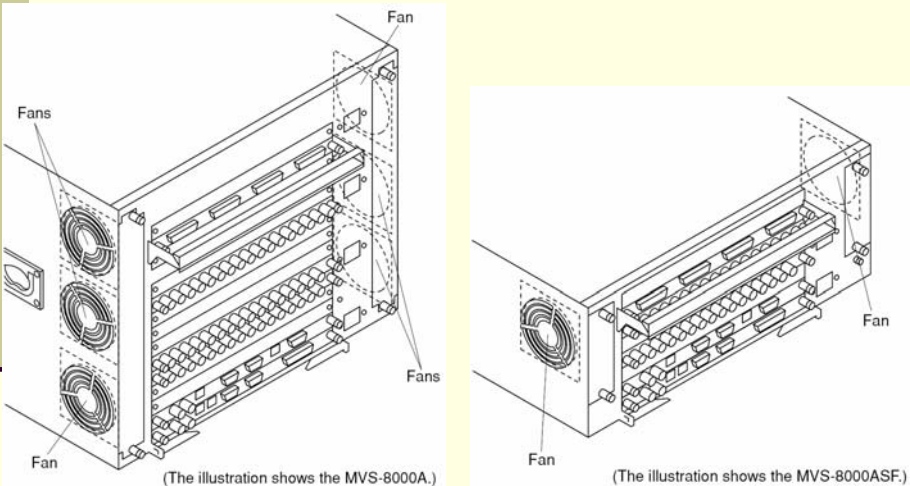
Fan

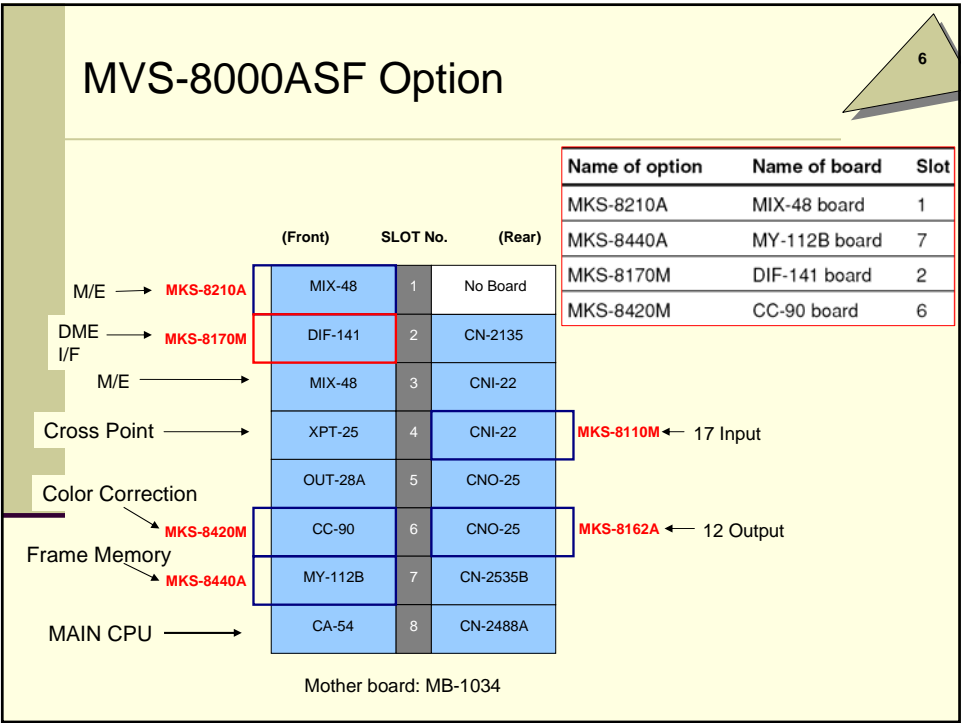
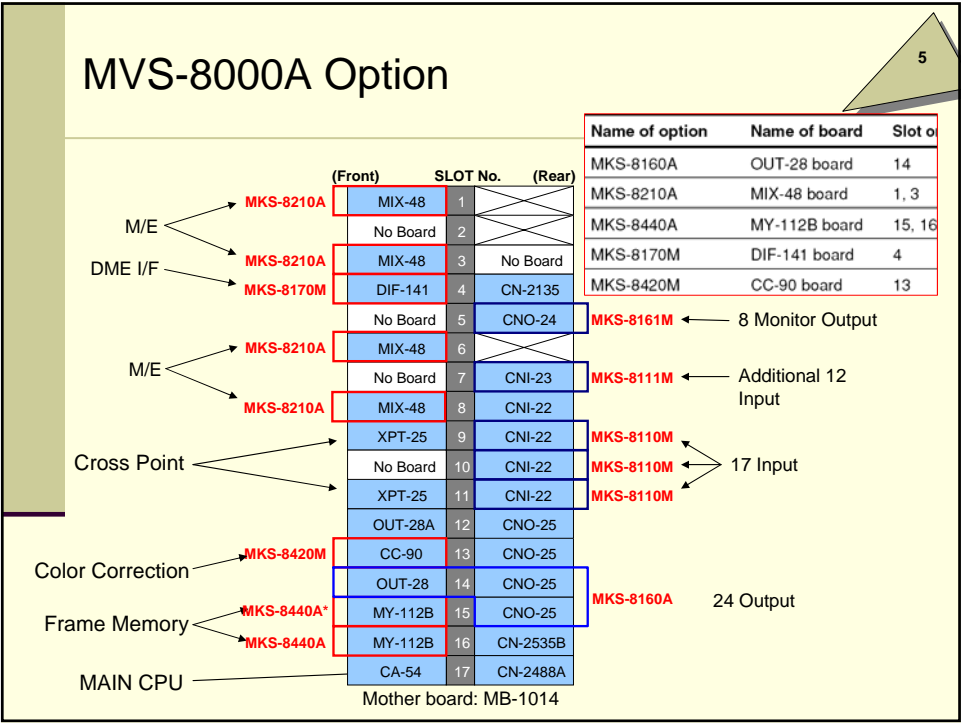
(The illustration shows the MVS-8000A.)

Fan

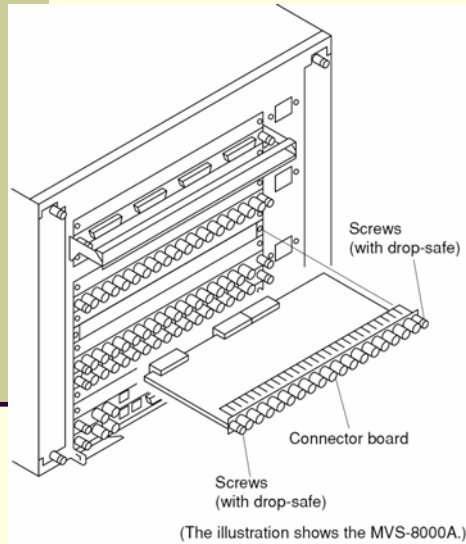
Fan

(The illustration shows the MVS-8000ASF.)





## Rear View of the MVS-8000A



### MVS-8000A option

Name of option	Name of board	Slot on the rear side
MKS-8160A	CNO-25 board	14, 15
MKS-8161M	CNO-24 board	5
MKS-8110M	CNI-22 board	9, 10, 11
MKS-8111M	CNI-23 board	7

### MVS-8000ASF option

Name of option	Name of board	Slot on the rear side
MKS-8162A	CNO-25 board	6
MKS-8110M	CNI-22 board	4

## Reminder at servicing

- Installation of the MKS-8440A (Frame Memory Board)**  
 When installing the MKS-8440A to the slot 15 on the MVS-8000A, **be sure to remove the CPU module (CPU\_DR) and two IF-937 boards.** Only the MY-112 in slot 16 has CPU-DR installed. Instruct users to keep the removed CPU module and IF-937.
- Reminder when installing the CN-2135 Board**  
 The CN-2135 board is supplied in separate package and has not been inserted in the main unit. This board might be hard to place because of its structure.  
**Be careful not to scratch the CN-2135 while inserting it.**  
 It might be helpful to remove the blank panel, which is above the installation position of the CN-2135 before inserting the CN-2135. The packing materials of MVS-8000A & ASF are under re-designing currently. (The CN-2135 board will be supplied after it is installed in the main unit.)

### Reminder at servicing (cont)

9

- **Installation of the CPU-DT module (Lead Free)** is used instead of the DR module. The DT module can only be used with Software V4.20 and higher. DO NOT mix DT and DR on a single board, but you can have mixture of Boards containing the DR module with boards containing the DT module.
- **It is necessary to use the DT module**  
When using BZS-8200 for Multi-Program 2, it is necessary to have DT module only on the Main CPU CA board.

### Reminder at servicing (cont)

10

- **Serial number control**  
In the MVS-8000A/SF, EEPROM on the mother board is used to control the serial number of the main unit.  
**There is no need to write the serial number, even when the CA-54 board is replaced.**  
However, the repair in the main unit is required when the EEPROM on the mother board become defective.

Mother board:

MVS-8000A	MB-1014 board
MVS-8000ASF	MB-1034 board

## Reminder at servicing (cont.)

11

- How to set the “Number of power supply units setting” switch (S403) on the CA-54 board.

The switches are set as follows when shipped from the factory.

**MVS-8000A: Serial No.: 10001 to 10010**

S403-1: OFF

S403-2: OFF

S403-3: ON

S403-4: OFF

\* The minimum required number of power units: 2 units

**Others (MVS-8000A: from serial No.10011, MVS-8000ASF: from 10001)**

S403-1: ON

S403-2: ON

S403-3: OFF

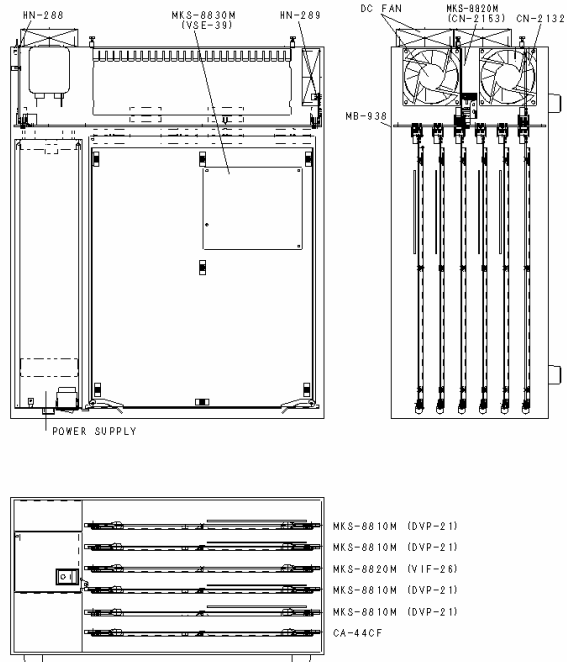
S403-4: OFF

\* Automatic identification

There is typographical error in the Installation Manual, **but there is no problem if the switch is set as described.** This will be corrected when the revised version is published.

## MKS-8800

12



## Cleaning the Fans

13

### CAUTION

Be sure to set the POWER switch to OFF and unplug the power cord before starting cleaning of the fans to protect inside of the machine from damage. If replacement work is attempted with power ON, this may result in electric shock or damage of circuits.

### Note

MVS-8000A/MVS-8000ASF equipment is air-cooled by the fans (on both sides). If dust is accumulated in the intake of the fan, air is prevented from flowing smoothly. Result is rise of temperature inside the machine. It may result in adverse effects on performance and life of the machine. Cleaning of the fan every month is recommended.

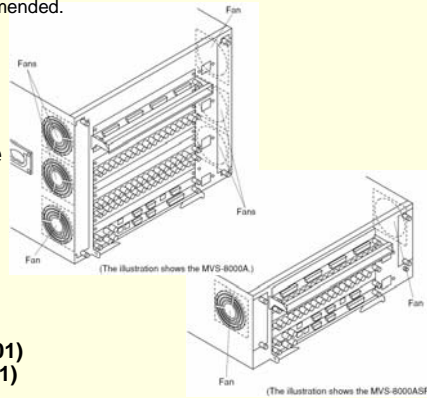
#### 1. Ordinary cleaning

Remove the dust that is attached to the fans and the peripherals with vacuum cleaner.

#### 2. When dust is difficult to remove or equipment is heavily stained

- (1) Remove the fans referring to the replacement procedure of each fan.
- (2) Clean the fan frame and blades with the cleaning cloth moistened with cleaning fluid.

Cleaning cloth (Sony part number 3-184-527-01)  
Cleaning fluid (Sony part number 9-919-573-01)



## Cleaning Front Door Assembly (Filter)

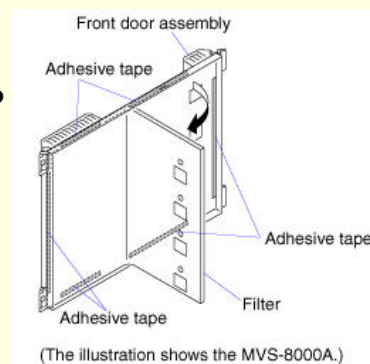
14

### Note:

If dust adheres to the filter, the ventilation holes are blocked and airflow inside the machine is also blocked so that the temperature inside the unit increases. Clean the filter periodically once every two months.

1. Remove the front door assembly.
2. Remove the dust from the filter using a vacuum.

Note-If the filter is very dusty, it is recommended to remove the filter from adhesive tape and wash it in water.  
-If the filter is washed in water, dry it completely.

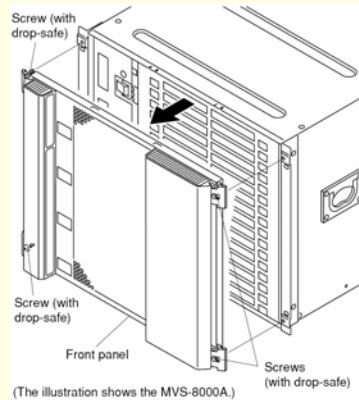


Taken from, "1-4 Installing Plug-in Boards" MVS-8000A/ASF Installation Manual.

15

### Removal of front panel

1. Turn off the main power of this unit (MVS-8000A or MVS-8000ASF) and disconnect the AC power cord from the wall outlet.
2. Loosen the four screws (with drop-safe) and remove the front panel to the arrow.

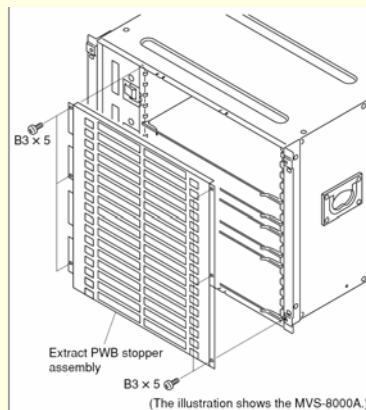


Taken from, "1-4 Installing Plug-in Boards" MVS-8000A/ASF Installation Manual.

16

### CAUTION

Be sure to set the POWER switch to OFF and unplug the power cord before starting any of the replacement work to protect inside of the machine from damage. If the replacement work is attempted with the power ON, this may result in electric shock or damage of circuits.



### Removal

1. Turn off the main power of this unit (MVS-8000A or MVS-8000ASF) and disconnect the AC power cord from the wall outlet.
2. Loosen the four screws (with drop-safe) and remove the front panel to the arrow.
3. Remove the fixing screws (MVS-8000A: 6 screws, MVS-8000ASF: 4 screws) and remove the Extract PWB stopper assembly.

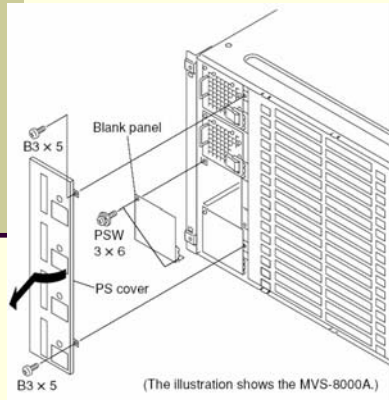


### 1-4-3. Installing the HK-PSU04

17

#### CAUTION

If installation of the power supply unit is incomplete, the contact resistance of the connector increases that may result in damage of parts and smoke. Tighten the fixing screws of the power supply unit securely. Do not turn on the power before the power supply unit is firmly secured.



#### Installation procedure

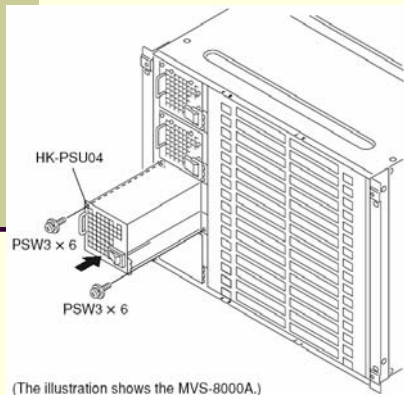
1. Remove the front panel of the MVS-8000A/8000ASF. (Refer to Section 1-4-1.)
2. Remove the two screws (B3 x 5) fixing the PS cover, and remove the PS cover.
3. Remove the two screws (PSW3 x 6) fixing the blank panel to the location where the HK-PSU04 is going to be installed. Then remove the blank panel. Store the removed blank panel in a safe place.

### 1-4-3. Installing the HK-PSU04

18

#### CAUTION

If installation of the power supply unit is incomplete, the contact resistance of the connector increases that may result in damage of parts and smoke. Tighten the fixing screws of the power supply unit securely. Do not turn on the power before the power supply unit is firmly secured.



#### Installation procedure (cont'd)

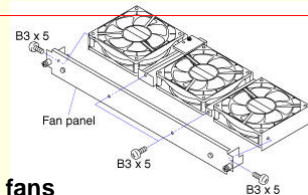
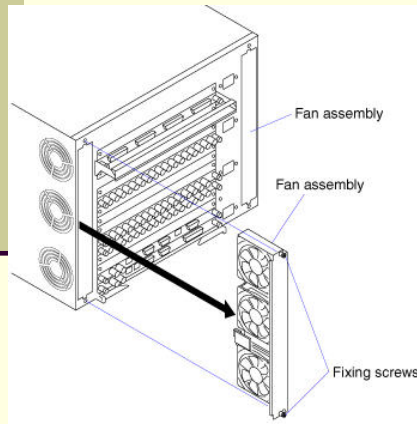
4. Push the portion of the HK-PSU04 marked by the arrow and insert the HK-PSU04 into deep end as far as it will go.
5. Secure the HK-PSU04 with the two screws removed in step 3.
6. Attach the PS cover and the front panel by reversing the installation steps of 1, 2.

## Replacing the Fans – taken from HTML Manual

19

### CAUTION

Be sure to set the POWER switch to OFF and unplug the power cord before starting any of the replacement work to protect inside of the machine from damage. If the replacement work is attempted with the power ON, this may result in electric shock or damage of circuits.



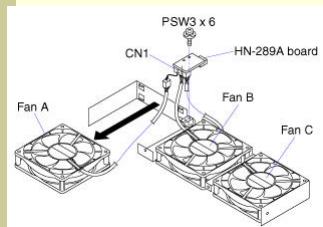
### • Rear side fans

#### Removing the fan assembly

1. Loosen the two fixing screws fully and pull out the fan (R) assembly.
2. Remove the four screws, and remove the fan panel. The fan assembly includes fan A, fan B, and fan C. They are removed in different fashions.

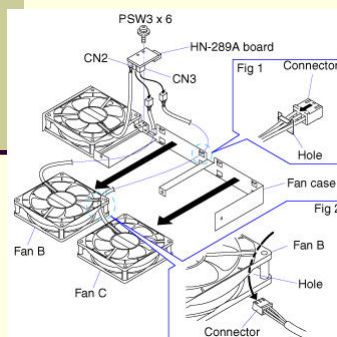
## Replacing the Fans – cont'd

20



### • Removing the fan A

1. Remove the screw, and remove the HN-289A board.
2. Disconnect the connector (CN1) of the HN-289A board, and remove the fan A.



### • Removing the fan B and the fan C

1. Remove the screw, and remove the HN-289A board.
2. Disconnect the connectors (CN2, CN3) of the HN-289A board.
3. While pulling the fan B and the fan C in the direction of the arrows, pull out the connector of the fan C from the hole on the case. (Fig.1)
4. Pull out the connector of the fan C from the hole on the fan B. (Fig.2)

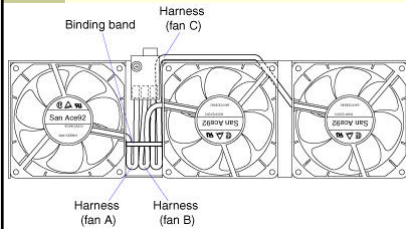
## Reassembling the Fans

21

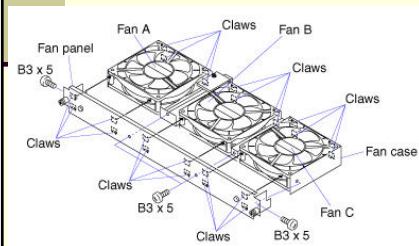
### Reassembling the fans

#### Note

- Route the harnesses of the fans as shown in the figure, and tie them together with a bonding band.
- Install the fans in the orientations shown in the figure.

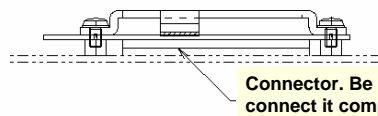
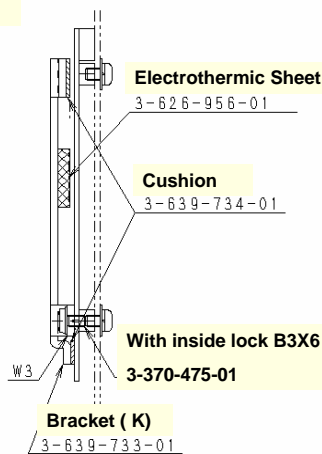
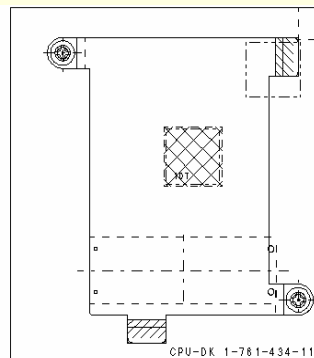


1. Check that the fan A, the fan B, and the fan C are properly fit with the claws on the fan cases.
2. Fit the claws on the fan panel with the fan A, the fan B, and the fan C. Then fix them with the four screws.
3. Install the fan assembly into the main unit by reversing the fan assembly removal step 1.



## CPU-DK MODULE

22



Connector. Be sure to connect it completely.

