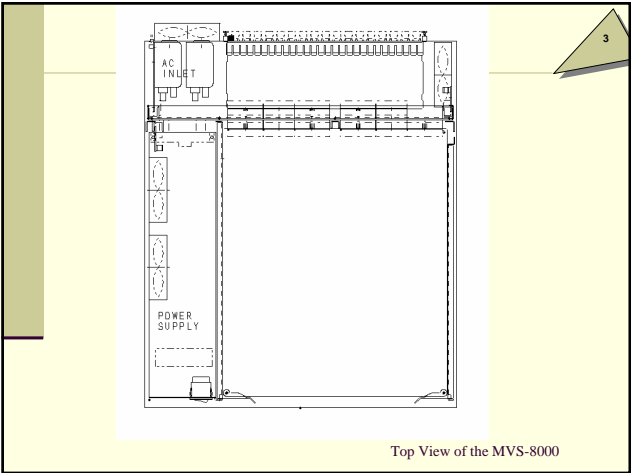


MVS-8000/MKS-8800

<Mechanical Part>

1. Location of Main Parts  
2. How to replace maintenance parts and cautions.

- Power Supply Unit
- FAN
- CPU-DK MODULE/CPU-DR MODULE



Power Supply Units (4 pieces). 3 pieces of power supply unit are provided as standard

HD		SD		
1	RA-44	CA-44		CPU&G
2	DO-41	DO-42		SPARE
3	MIX-45	MIX-45	MKS-8210SD	N/E 3
4	KPC-16	KPC-16		
5	D1-40	D1-41		
6	DO-42	DO-42		N/E 2
7	MIX-45	MIX-45	MKS-8210SD	
8	KPC-16	KPC-16		MVE 1/F
9	D1-40	D1-41		
10	DIF-118MKS-8170HD	DIF-122MKS-8170SD		N/E 1
11	DO-41	DO-42		
12	MIX-45	MIX-45	MKS-8210SD	N/E 4
13	KPC-16	KPC-16		
14	D1-40	D1-41		
15	DO-42	DO-42		
16	MIX-45	MIX-45	MKS-8210SD	
17	KPC-16	KPC-16		
18	D1-40	D1-41		
19				
20				
21	XPT-16	XPT-16		CROSS POINT
22				
23	XPT-16	XPT-16		
24	OUT-25 MKS-8160HD	OUT-24 MKS-8160SD		OUTPUT PROCESS
25	OUT-25 MKS-8160HD	OUT-24 MKS-8160SD		
26	OUT-25 MKS-8160HD	OUT-24 MKS-8160SD		
27	OUT-25 MKS-8160HD	OUT-24 MKS-8160SD		
28	OUT-25 MKS-8160HD	OUT-24 MKS-8160SD		
29	OUT-25 MKS-8160HD	OUT-24 MKS-8160SD		
30				SPARE
31	DIO-85	DIO-85	MKS-8440SD	FRAME MEMORY
32	MY-102	MY-102		

POWER SUPPLY UNIT EX-P2004

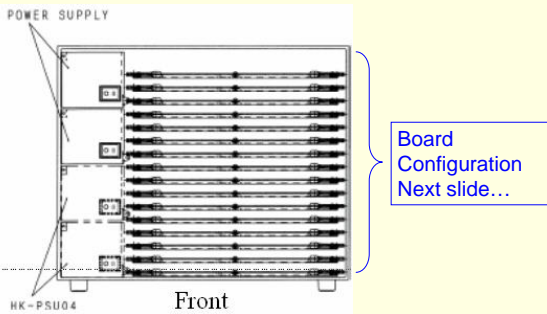
ADC FAN

No.1,21 and 23 are provided as standard.

Compare with Multi Format...



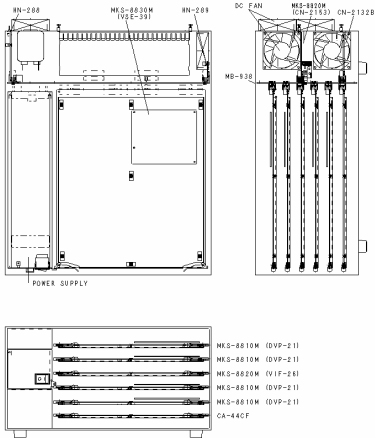
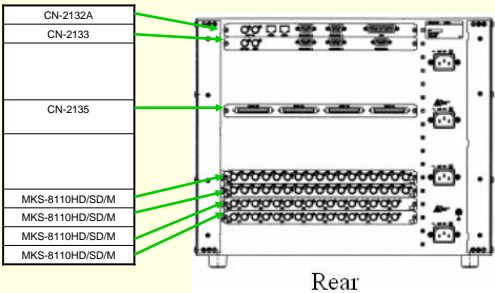
MVS-8000SF – FRONT VIEW



MVS-8000SF – Board Configuration

	HD	SD	Multi Format	
1	--	--	--	
2	CA-44	CA-44	CA-44	--- CPU & SG
3	DO-41	DO-42	DO-44	M/E
4	MIX-45	MIX-45	MIX-45	
5	KPC-16	KPC-16	KPC-16	
6	DI-40	DI-41	DI-43	MVE I/F
7	DIF-119	DIF-122	DIF-141	
8	DO-41	DO-42	DO-44	M/E
9	MIX-45	MIX-45	MIX-45	
10	KPC-16	KPC-16	KPC-16	
11	DI-40	DI-41	DI-43	
12	--	--	--	
13	XPT-21	XPT-21	XPT-21	CROSS POINT
14	OUT-23	OUT-24	OUT-27	OUTPUT PROCESS
15	OUT-23	OUT-24	OUT-27	
16	DIO-62	DIO-63	DIO-74	FRAME MEMORY
17	MY-102	MY-102	MY-102	

MVS-8000 SF - REAR VIEW

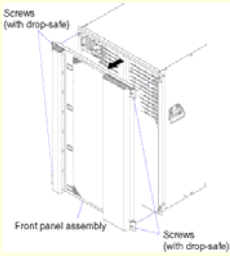


## 1-2 Removing Equipments

### 1-2-1 Removing the Front Door Assembly

#### Removal

1. Fully loosen four screws (with drop-safe).
2. Remove the front door assembly in the direction of the arrow.



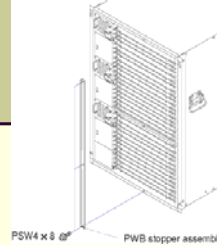
MVS-8000(1/10)

## 1-3 Replacing Main Parts

### 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.

### 1-3-1 Plug-in Board



#### Removal

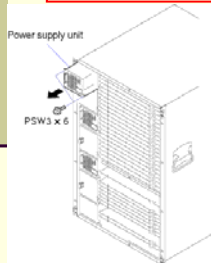
1. Remove the front door assembly. (Ref. 1-2-1)
2. Remove three screws and remove the PWB stopper assembly.

MVS-8000(2/10)

### 1-3-3 Power Supply Unit

#### 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.



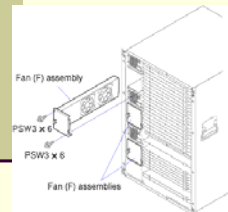
#### Removal

1. Remove the front door assembly. (Ref. 1-2-1)
2. Remove two screws and extract the power supply unit in the direction of the arrow by holding a handle.

MVS-8000(3/10)

### 1-3-4 Replacing the Fan

<Fan on the side front panel>



#### Removal

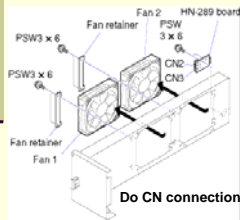
1. Remove the front door assembly. (Ref. 1-2-1)
2. Extract the fan(F) assembly in the direction of the arrow by holding a handle.

MVS-8000(4/10)

## 1-3-4 Replacing the Fan

(cont'd)

3. Disconnect the harness from the connector (CN2) on the HN-289 board.
4. Remove two screws and remove the fan retainer.
5. Remove the fan 2 in the direction of the arrow.
6. Disconnect the harness from the connector (CN3) of the HN-289 board.
7. Remove two screws and remove the fan retainer.
8. Remove the fan 1 in the direction of the arrow.



FAN 2 -> CN 2  
FAN 1 -> CN 3

Do CN connection properly in order to make FAN Error appeared.

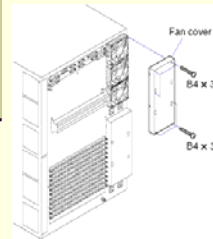
MVS-8000(5/10)

## <Fan on the rear>

(cont'd)

### NOTE

Two fans are provided on the rear. One is installed in the upper and the other is installed in the lower part on the rear. The procedure to replace the fan in the upper part is described below. The fan in the lower part can be replaced in the same way.



### Removal

1. Remove six screws and remove the fan cover.

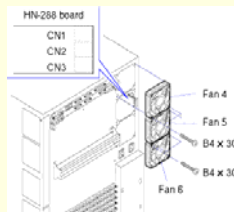
MVS-8000(6/10)

## 1-3-4 Replacing the Fan

(cont'd)

2. Disconnect fan harnesses from connectors (CN1, CN2, CN3) on the HN-288 board.
3. Remove six screws and remove fan 4, fan 5 and fan 6.

FAN  
Top ->  
Middle ->  
Bottom ->



Do CN connection properly in order to make FAN Error appeared.

MVS-8000(7/10)

## 1-3-4 Replacing the Fan

(cont'd)

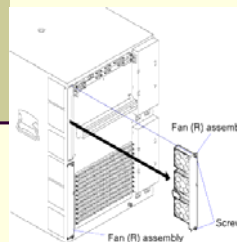
### <Fan on the side rear>

### Removal

1. Fully loosen two screws and extract the fan (R) assembly to remove it.

### NOTE

Two fans ( R ) assembly on the side rear are installed in the upper and the lower part. In this chapter, the procedure to replace the fan in the upper part is described below. The fan in the lower part can be replaced in the same way.



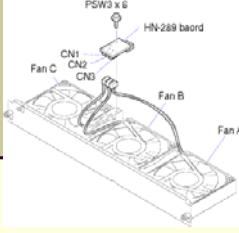
MVS-8000(8/10)

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## 1-3-4 Replacing the Fan

(cont'd)

2. Remove the screw from the fan (R) assembly and remove the HN-289 board.
3. Disconnect fan harnesses from connectors (CN1, CN2, CN3) on the HN-289 board.



FAN A → CN 3  
FAN B → CN 2  
FAN C → CN 1

Do CN connection properly in order to make FAN Error appeared.

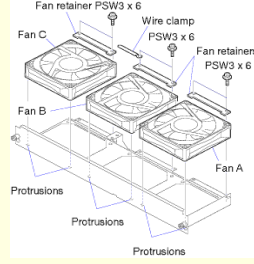
MVS-8000(9/10)

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## 1-3-4 Replacing the Fan

(cont'd)

4. Remove six screws and remove the fan retainer and the wire clamp.
5. Remove fan A, fan B and fan C.



MVS-8000(10/10)

23

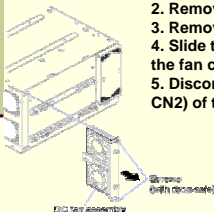
## 1-3-4. DC Fan

**NOTE**  
4 DC Fans are provided in the MKS-8700.

<Replacing the DC fan on the side panel>

**Removal**

1. Fully loosen two fixing screws (with drop-safe) and extract the DC fan assembly in the direction of the arrow by holding screws.
2. Remove two screws and the fan retainer.
3. Remove the screw and the HN-289 board.
4. Slide two DC fans in the direction of the arrow from the fan case.
5. Disconnect two harnesses from the connectors (CN1, CN2) of the HN-289 board.



FAN (TOP) → CN 1  
FAN (BOTTOM) → CN 2

Do CN connection properly in order to make FAN Error appeared.

MKS-8800(1/2)

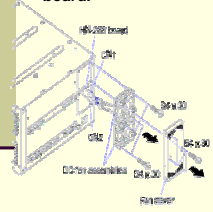
24

## <Replacing the DC fan on the rear panel>

**Removal**

1. Remove four screws and the fan cover.
2. Remove four screws and the DC fan.

Disconnect the harness from the connectors (CN1, CN2) of the HN-288 board.



FAN (TOP) → CN 1  
FAN (BOTTOM) → CN 2

**Installation**  
Install the new DC Fan by reversing steps of removal.

Do CN connection properly in order to make FAN Error appeared.

MKS-8800(2/2)

# MVS-8000 Maintenance Training - 1A & 4A

