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DVS-9000/SF Mechanical

DVS-9000/SF Mechanical

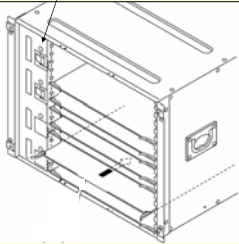
<Mechanical Part>

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

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

2 DVS-9000 Mechanical

The DVS-9000 contains two power supply units as standard configuration. A maximum of four power supply units may be installed.



Front View of the DVS-9000



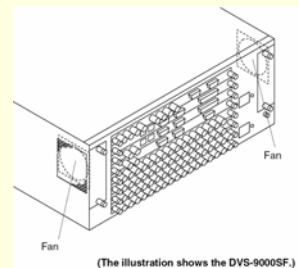
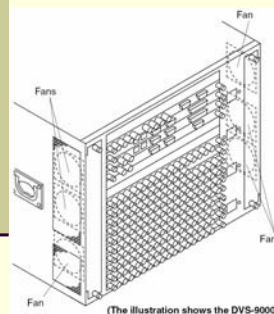
Front View of the DVS-9000SF



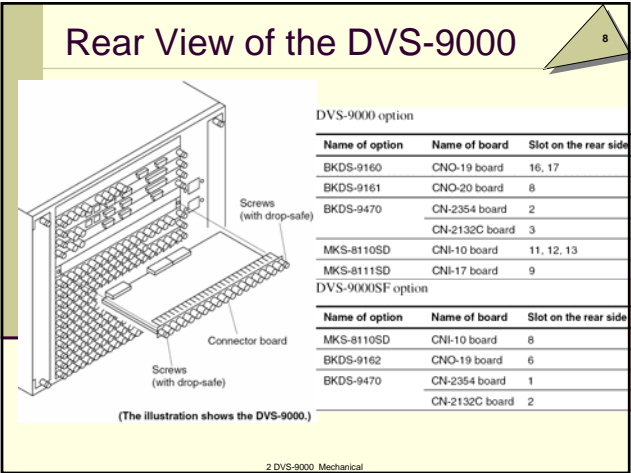
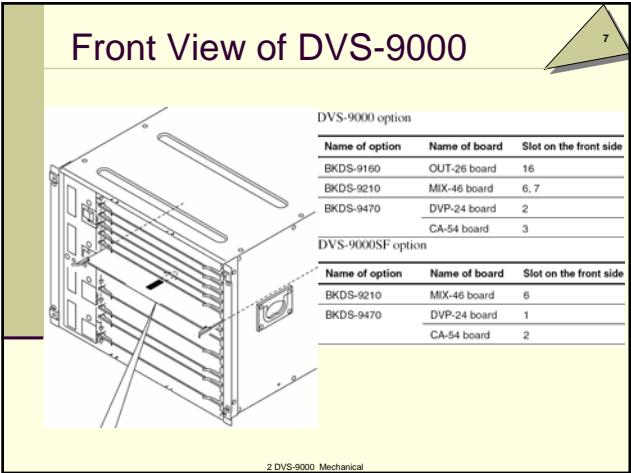
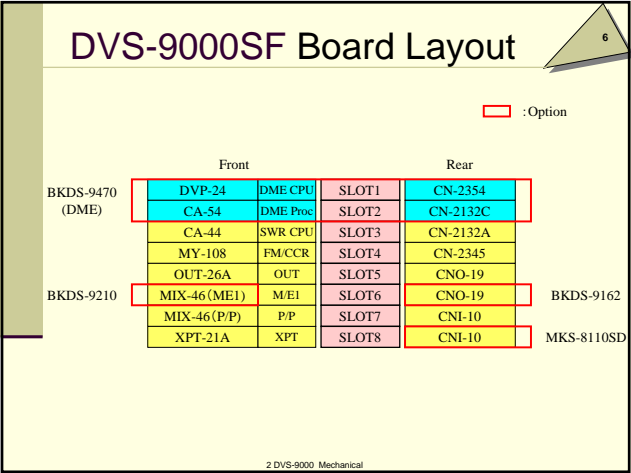
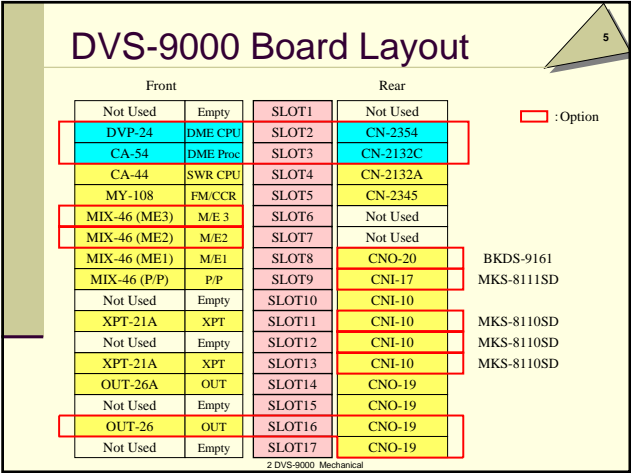
The DVS-9000SF contains a single power supply unit as standard configuration. A maximum of two power supply units may be installed.

2 DVS-9000 Mechanical

Rear View of the DVS-9000A/ASF



2 DVS-9000 Mechanical



Cleaning the Fans

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

DVS-9000/DVS-9000SF 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

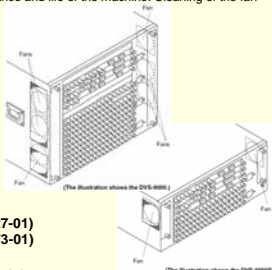
Remove the dust that is attached to the fans and the peripherals with vacuum cleaner.

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)



2 DVS-9000 Mechanical

Cleaning Front Door Assembly (Filter)

Note:

If dust adheres to the filter, ventilation holes are blocked and airflow inside machine is also blocked so the temperature inside unit increases.

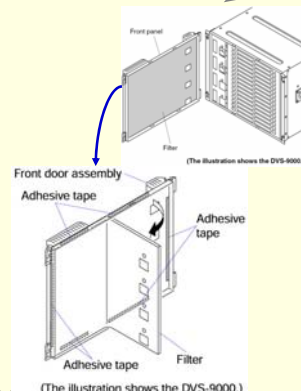
Clean filter periodically once every two months.

1. Remove front door assembly.

2. Remove dust from the filter using a vacuum.

Note:

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

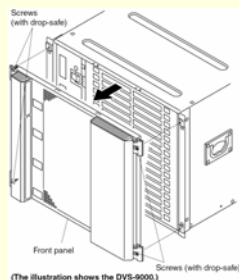


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Taken from, "1-4 Installing Plug-in Boards" DVS-9000/SF Installation Manual.

Removal of front panel

1. Turn off the main power of this unit (DVS-9000 or DVS-9000SF) and disconnect the AC power cord from the wall outlet.
2. Loosen the four screws (with drop-safe) and remove the front panel in the direction of the arrow.

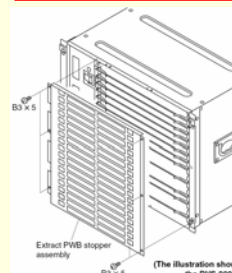


2 DVS-9000 Mechanical

Taken from, "1-4 Installing Plug-in Boards" DVS-9000/SF Installation Manual.

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

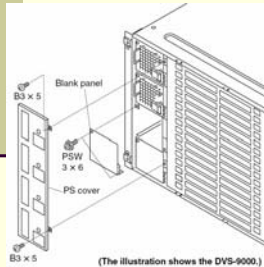
1. Turn off the main power of this unit (DVS-9000 or DVS-9000SF) and disconnect the AC power cord from the wall outlet.
2. Remove the Front Panel.
3. Remove the fixing screws (DVS-9000: 6 screws, DVS-9000SF: 4 screws) and remove the Extract PWB stopper assembly.

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1-4-3. Installing the HK-PSU04

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

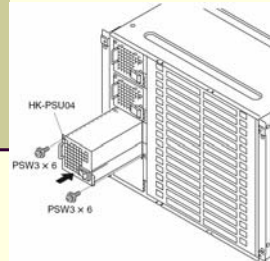
1. Remove the front panel of the DVS-9000/DVS-9000SF. (Refer to Section 1-4-1.)
2. Remove two screws (B3 x 5) fixing PS cover, and remove PS cover.
3. Remove two screws (PSW3 x 6) fixing blank panel to location where HK-PSU04 is going to be installed. Then remove blank panel. Store removed blank panel in a safe place.

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1-4-3. Installing the HK-PSU04

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.

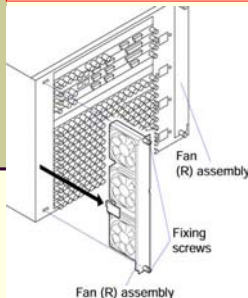
(The illustration shows the DVS-9000.)

Mechanical

Replacing the Fans – taken from HTML Manual

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

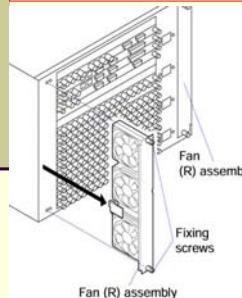
1. Loosen two fixing screws fully and pull out fan (R) assembly.
2. Remove four screws, and remove fan cover. The fan assembly includes fan A, fan B, and fan C. They are removed in different fashions.

1-9000 Mechanical

Replacing the Fans – taken from HTML Manual

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 (cont'd)

Removing the fan assembly

3. Remove screw-B and remove HN-289 board.
4. Disconnect fan harness from connectors (CN1, CN2, CN3) on HN-289 board.

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Replacing the Fans – cont'd

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Removing fans A, B and C

- Remove the four screws and remove the fan retainer A and the fan retainer B.
- Remove the fans A, B and C in the direction of the arrow.

Reassembling the fans

- Place the fans A, B and C by hooking them on the claws of the fan case while aligning the fans with the protrusions of the fan case.

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Reassembling the Fans

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Reassembling the fans

- When installing fan B in fan case, route harness of fan A along the protrusions of the fan case as shown in illustration.
- Install fan retainer A and fan retainer B by reversing removal steps.
- Connect harness of fan A to connector (CN3), fan B to connector (CN2) and fan C to connector (CN1) on HN-289 board.
- Fix HN-289 board with screw-A.
- Fix fan cover with the three screws-B.
- Route the fan harness and tie it with the binding band as shown in the illustration.

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CPU-DK MODULE

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Connector. Be sure to connect it completely.

CPU-DK 1-781-434-11

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CPU-DR MODULE

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Connector. Be sure to connect it completely.

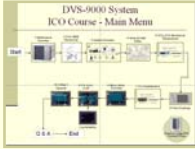
CPU-DR 1-781-435-11

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Questions?

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Back to Main Menu



The screenshot shows a software interface titled "DVS-9000 System ICO Course - Main Menu". It contains several icons representing different parts of the course, such as "Introduction", "Theory", "Practical", and "Assessment". There are also navigation buttons like "Back" and "Exit".

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