

5B

MKS-2700

DCU-2000-C Mechanical Replacement



MKS-2700 Material for Mechanical Parts

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- ☐ Removal of Front Door
- ☐ Cleaning
- ☐ Replacing Connector Board
- ☐ Replacing CPU-DK Module
- ☐ Replacing Plug-in Board
- ☐ Replacing Power Supply Unit
- ☐ Replacing Fan

CAUTION

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

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Removal of Front Door

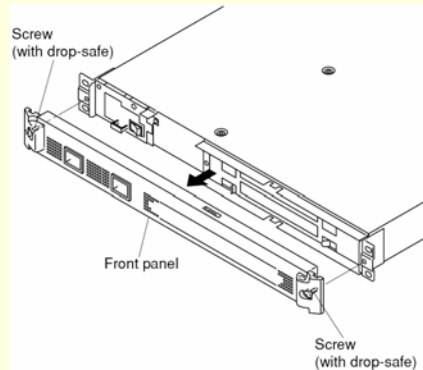
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Removal

Loosen two screws (with drop safe) and remove front panel in direction of arrow as shown.

Installation

Install front panel by reversing steps of removal procedure.



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Cleaning

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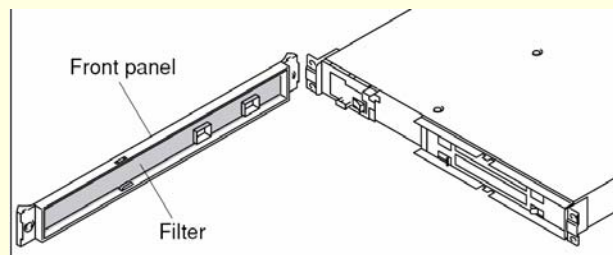
1. Front panel

Filter on rear of front panel can easily accumulate dust. Remove dust by cleaning as follows.

1. Remove front panel.
2. Remove dust accumulated on filter with a vacuum cleaner.

Cleaning filter by washing it in water is recommended when there is a heavy accumulation of dust.

Dry filter completely after it has been washed clean by water.



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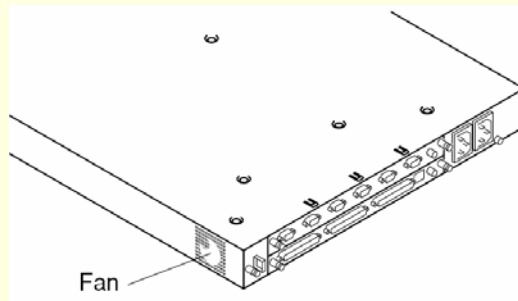
Cleaning

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2. Fan

Inside of DCU-2000-C is cooled by a fan (right side on rear).
If dust has accumulated in intake of fan, air is prevented from flowing smoothly and this may result in a temperature rise inside machine.
This may have an adverse effect on performance and life of machine.

Cleaning of fan every month is recommended.



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Replacing Connector Board

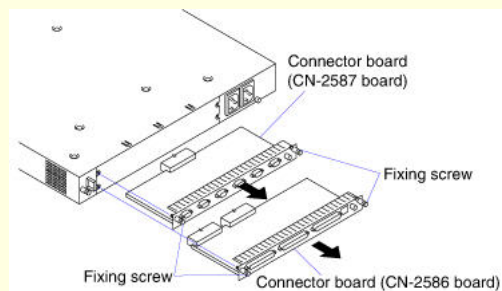
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Removal

1. Loosen two fixing screws.
2. Pull out connector board by holding fixing screws to remove it.

Installation

Insert connector board horizontally into board slot and tighten two fixing screws.



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Replacing Plug-in Board

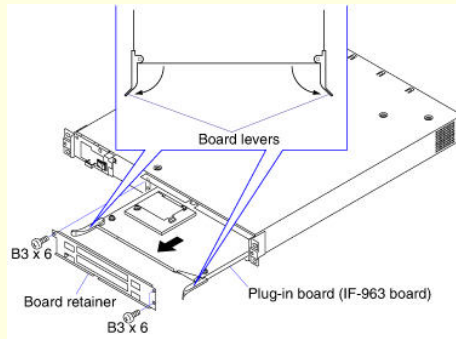
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Removal

1. Remove front door assembly.
[see removal of front door]
2. Remove three screws, and remove board retainer.
3. Open board levers in direction of arrow as shown in figure, and pull out plug-in board.

Installation

1. With board levers open, insert plug-in board into board slot.
2. While closing board levers in opposite direction of arrows, push plug-in board inward to deepest end.
3. Install board retainer and front panel assembly by reversing steps 1 and 2 of removal.



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Replacing CPU-DK Module

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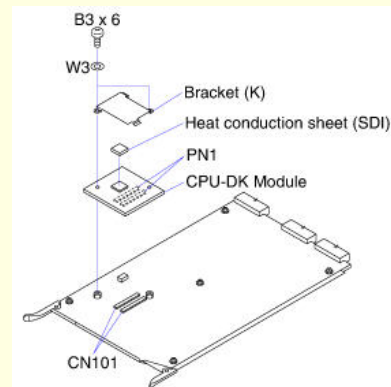
Removal

1. Remove IF-963 board.
2. Remove two screws and two washers. Remove bracket (K).
3. Remove CPU-DK module from connector of board.
4. Peel off heat conduction sheet 1 (SDI) * from removed CPU-DK module.

Installation

1. Attach heat conduction sheet 1 (SDI) removed in step 4 to new CPU-DK module.
2. Confirm that CPU-DK module is placed in correct direction that allows connector (PN1) of CPU-DK module to be connected to CN101 on IF-963 board. **
3. Insert CPU-DK module into connector on IF-963 board.
4. Install IF-963 board by reversing steps of removal.

* Heat conduction sheet 1 (SDI) will be reused.



** Confirm that connection is secure.

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Replacing Power Supply Unit

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CAUTION

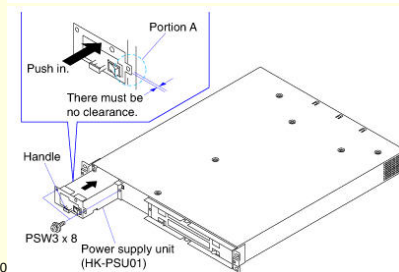
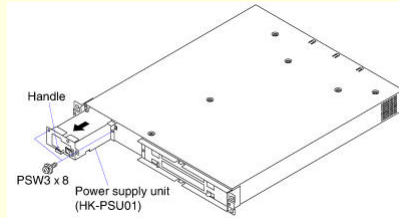
Incomplete connection of power supply unit amplifies connection resistance of connector, which may cause damage to parts or emit of smoke. Securely tighten fixing screws of power supply unit. Do not turn on power until power supply unit is connected securely.

Removal

1. Remove front door assembly.
2. Remove two screws (PSW3 × 8) and pull out power supply unit in direction of arrow by holding handle to remove it.

Installation

1. Push arrowed portion of power supply unit inward until there is no clearance left in portion A as shown in figure.
2. Install power supply unit and front door assembly by reversing steps of removal.



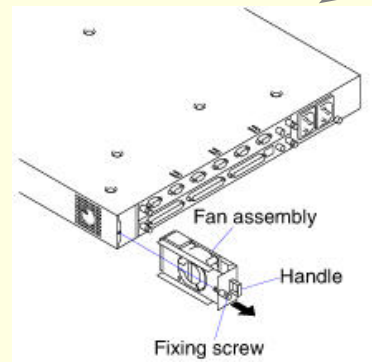
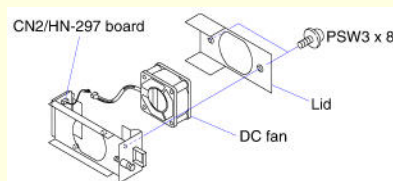
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Replacing Fan

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Removal

1. Tighten fixing screw.
2. Pull out fan assembly in direction of arrow by holding handle to remove it.
3. Remove two screws, and remove lid and DC fan.
4. Disconnect connector (CN2) on HN-297 board.



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Replacing Fan

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Installation

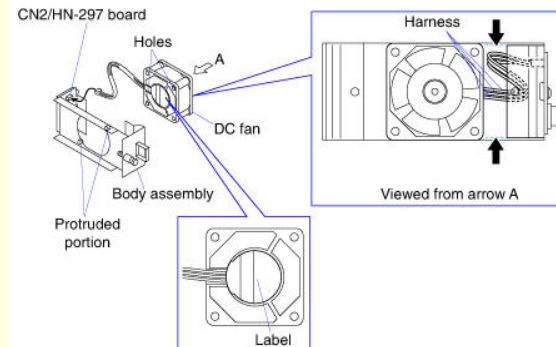
1. Connect connector of new DC fan to CN2 of HN-297 board.
2. Align holes of DC fan with protruded portions of body assembly.

Note

Install DC fan in orientation as shown in figure.

Put harness of DC fan within range between arrows.

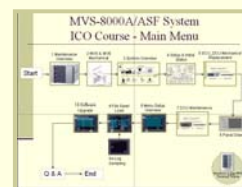
3. Install fan assembly by reversing removal steps



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Questions?

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