

5

SCU Mechanical Replacement

MKS-8010



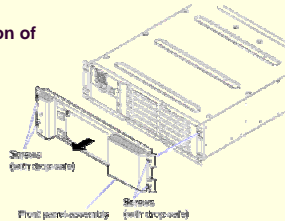
MKS-8010 Material for Mechanical Parts

- ☐ Removing the Front Panel Assembly
- ☐ Replacing the Plug-in Board
- ☐ Replacing the Connector Board
- ☐ Replacing the Power Supply Unit
- ☐ Replacing the Fan
- ☐ Replacing the CPU module

Removing the Front Panel Assembly

Removal

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

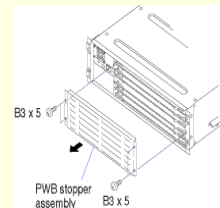


Replacing the Plug-in Boards

1. Plug-in Boards

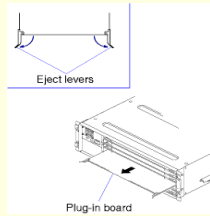
Removal

1. Remove the Front Panel Assembly (Please refer to how to remove the Front Panel Assembly.)
2. Remove six screws and remove the PWB stopper assembly. (Remove four screws in MKS-8700.)



Replacing the Plug-in Boards

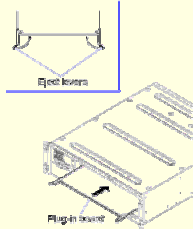
3. Open the eject levers of the Plug-in board for replacement in the direction of the arrow as shown and pull it out.



Replacing the Plug-in Boards

Installation

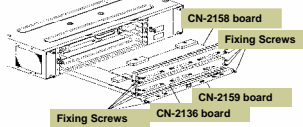
1. While the eject levers are opened, insert it into the plug-in board.
2. While closing the eject levers in the direction of the arrow, push the plug-in board into the slot.
3. Install the PWB stopper assembly and the front door by reversing the steps 1 and 2 of removal.



Replacing the Connector Board

Replacing the Connector Board

MKS-8010 Fully loosen fixing screws of the CN-2136, 2158, 2159 and pull out the board with the fixing screws.



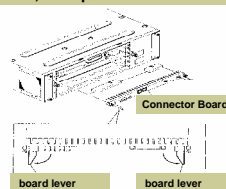
MKS-8700



Replacing the Connector Board

Connector Board (CN-2157) Removal:

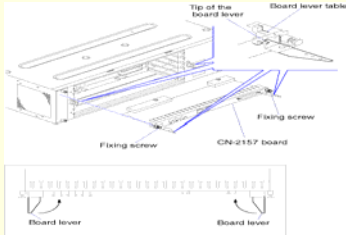
- 1) Fully loosen two fixing screws of the CN-2157 board.
- 2) While the board levers are opened in the direction of the arrow, then pull out the CN-2157 board.



Replacing the Connector Board

Installation

- 1) Insert the new connector board into the third slot and align the tip of the board lever with the hole of the board lever table.
- 2) While closing the board lever in the direction of the arrow, push the connector board into the slot.
- 3) Tighten two fixing screws.



Replacing the Connector Board

CN-2194 board / CN-2195

Removal

Loosen the two screws(with drop-safe) and remove the connector board (CN-2194 board or CN-2195 board).
<NOTE> Please keep the blank panel which has been removed.

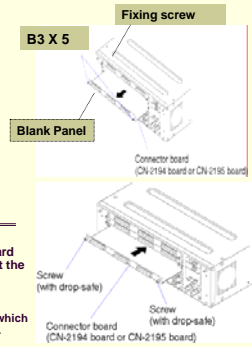
Installation

Insert optional connector board horizontal and tighten two fixing screws.

Board Name(optional name) Rear SLOT

CN-2195(MKS-8701) Insert it into the slot at the rear. It corresponds to the RC-90 board which is inserted into the slot at the front.

CN-2194(MKS-8702) Insert it into the slot at the rear. It corresponds to the IF-848 board which is inserted into the slot at the front.



Replacing the Connector Board

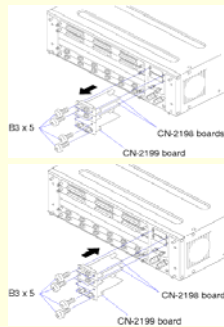
CN-2194 board / CN-2195

Removal

Remove the screws of the slot that you want to replace the board and remove the connector board (CN-2198 board or CN-2199 board.)

Installation

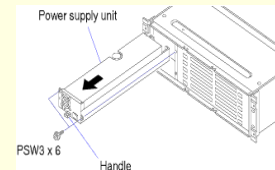
Insert the new connector board(CN-2198 board or CN-2199 board) into the slot and tighten two fixing screws.



Replacing the Power Supply Unit

Removal

- 1.Remove the front panel assembly.
(Please refer to how to remove the Front Panel Assembly.)
- 2.Remove the two screws and pull the power supply unit out by holding the handle.



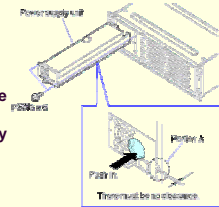
Replacing the Power Supply Unit

Installation

Install the new power supply unit by reversing steps of removal.

Caution!

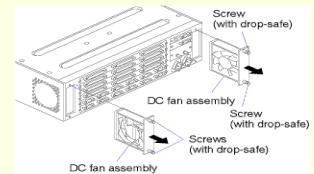
- If installation of the power supply unit is incomplete, the contact resistance of the connector increases that may result in damage of parts and smoke.
- Tighten the fixing screws of the power supply unit securely.
- Do not turn on the power before the power supply unit is firmly secured.



Replacing the Fan

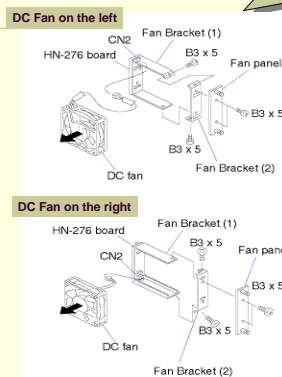
Removal

- 1) Fully loosen two screws (with drop-safe) and pull the DC fan assembly out in the direction of the arrow by holding the fixing screws.
- 2) Remove two screws and remove the fan panel.
- 3) Remove two screws and remove the fan bracket (2).
- 4) Slide the DC fan in the direction of the arrow from the fan bracket(1). Disconnect the harness from the connector (CN2) of the HN-276 board.



Replacing the Fan

DC Fan on the left
&
DC Fan on the right



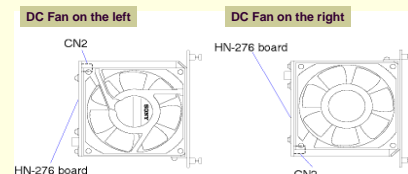
Replacing the Fan

Installation

Install the new fan by reversing the steps of removal.

NOTE

Install the DC fans in the right and left to their specified positions as shown in the illustration.



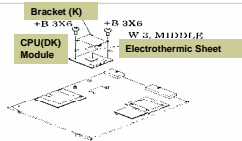
Replacing the CPU module

Replacing the CPU module

CPU(DK) Module

Removal : 1) Remove two screws and the bracket (K).

2) Remove the CPU(DK) module from the connector board



Installation

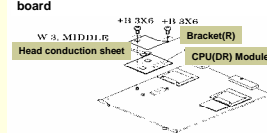
Install the new CPU(DK) module in reversed procedure of removal.

Replacing the CPU module

CPU(DR) Module

Removal : 1) Remove two screws and the bracket(R).

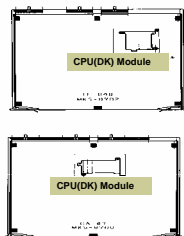
2) Remove the CPU(DR) module from the connector board



Installation

Install the new CPU(DR) module in reversed procedure of removal.

Replacing the CPU module



Questions?

Next:

■ DCU Mechanical Replacement

- Click on the picture of the model that pertains to your system

5A MKS-8700
Mechanical



5B MKS-2700
Mechanical

