RACK-200 CHASSIS
USER'S MANUAL

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Chapter 1 Product Information

1.1 General Information

RACK-200 IPC chassis is a rugged PC/AT compatible computer designed for the factory floor and other Industrial harsh environment.RACK-200 features 5 slots Passive Backplanes and high reliability AC Input Power Supply ACE-920A.
The chassis can easily be mounted on panels or walls with the supplied brackets.

1.2 Product Specifications

General specification

- Construction   :   Heavy-duty steel
- Disk Driver   :   One 3.5" FDD Drive and One 3.5" HDD
- Cooling Fan   :   Single Ball bearing fans
- Indicator   :   Two LEDs to monitor the status of HDD and Power Supply
- Dimension   :   431 x 454 x 88 (W x D x H)

Passive Backplanes (Optional)

BP-5S 5-slot ISA bus Backplane
PCI-5SD 5-slot ISA/PCI bus Backplane
PCI-6SR 6-slot ISA/PCI Backplane

Power Supply

Standard equipped power supply for the RACK-200 is : ACE-920A

Working Environment

- Operating Temperature : 0~50°C
- Relative Humidity : 5~95% Relative
- Vibration : 5-17Hz, 0.1" double amplitude displacement
  17-640Hz, 1.5G acceleration peak to peak
- Shock : 10G acceleration peak to peak
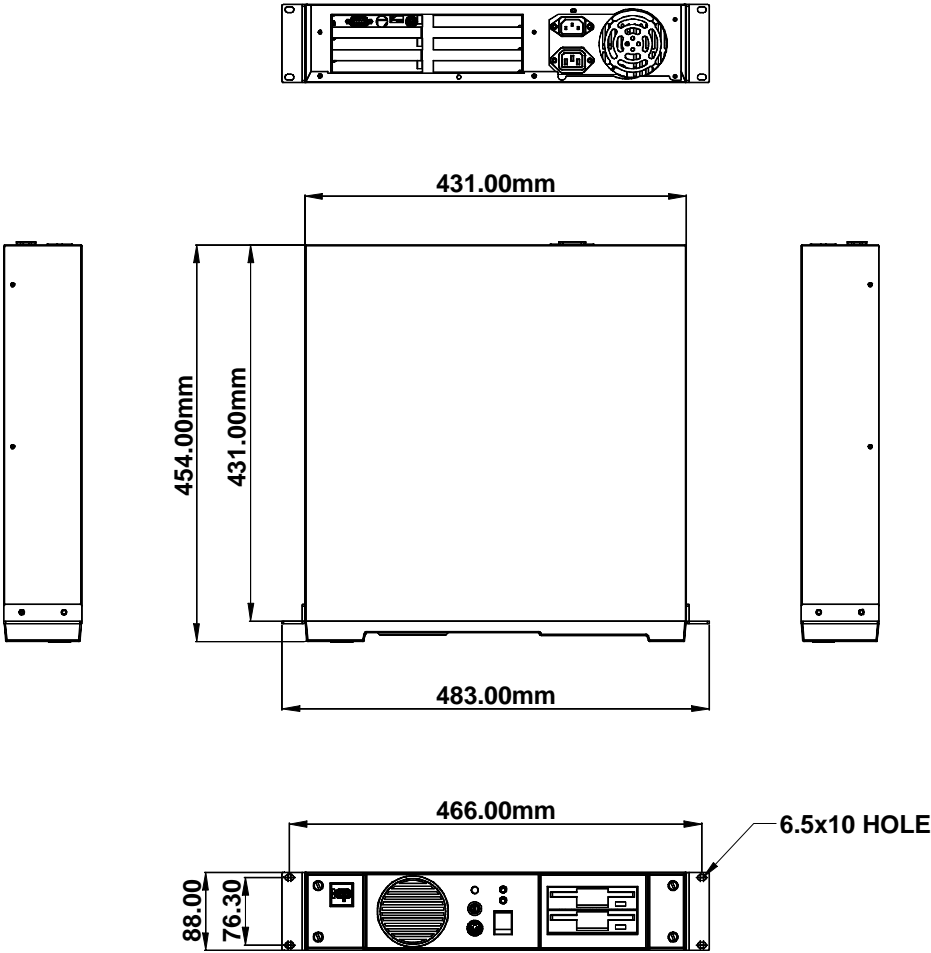- Safety approval : meet CE, FCC

Cooling Fan

Single Ball Bearing Cooling Fan

Drive Capacity
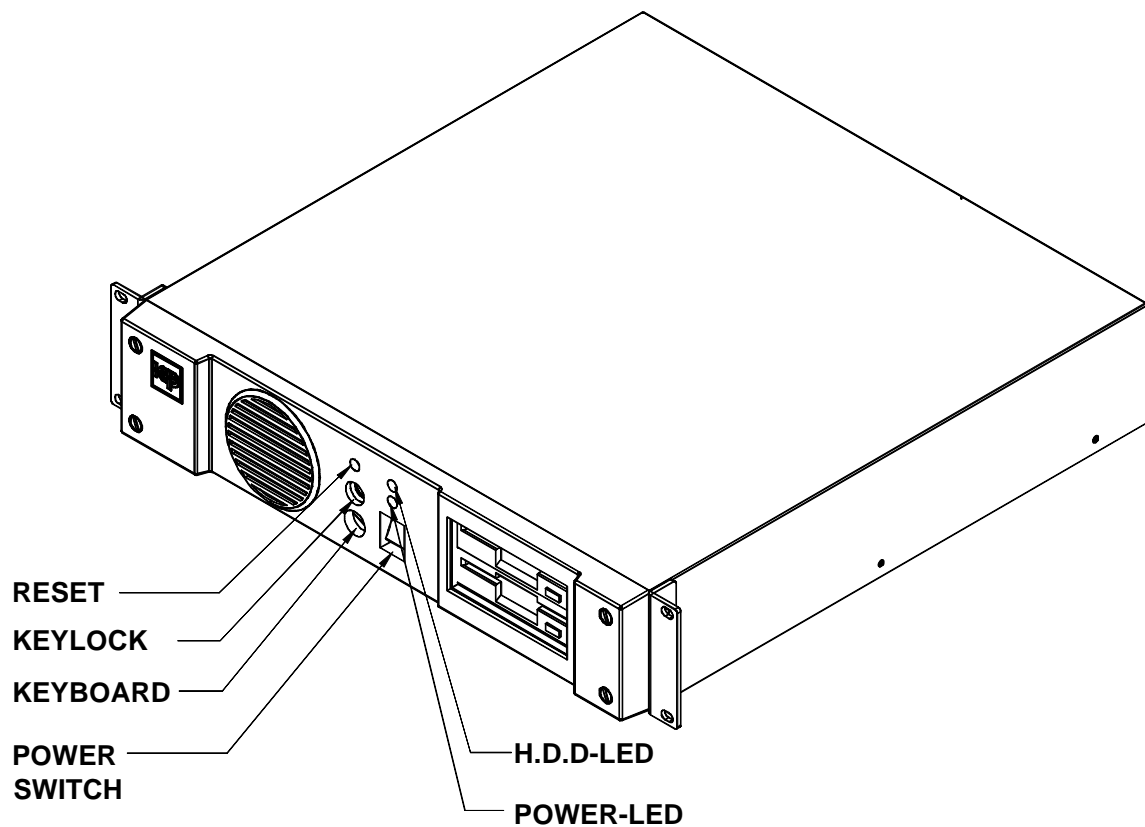
One 3.5" FDD and one 3.5" HDD

1.3 Dimensions

431.00mm

454.00mm

431.00mm

483.00mm

466.00mm

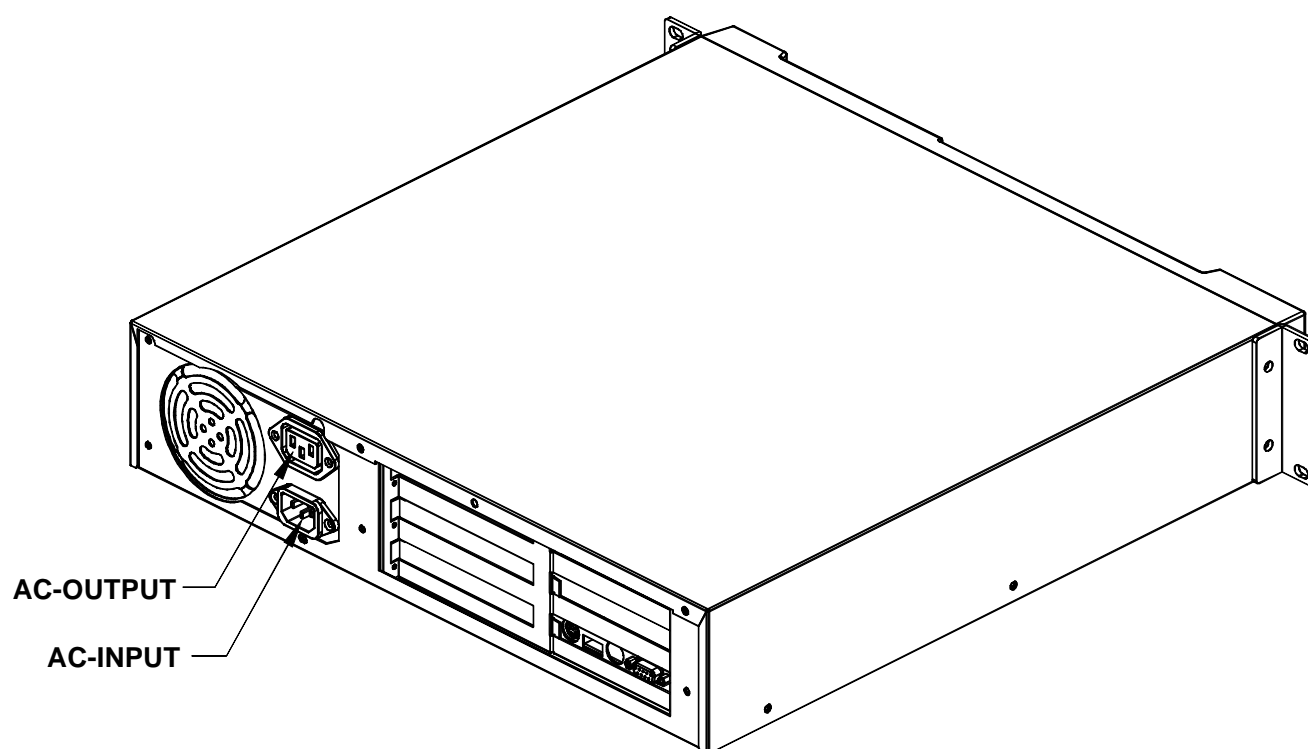**6.5x10 HOLE**

88.00

76.30

Chapter 2 Installation Procedure

The following set up procedures are provided to assist you in installing the system unit, please follow the steps below:
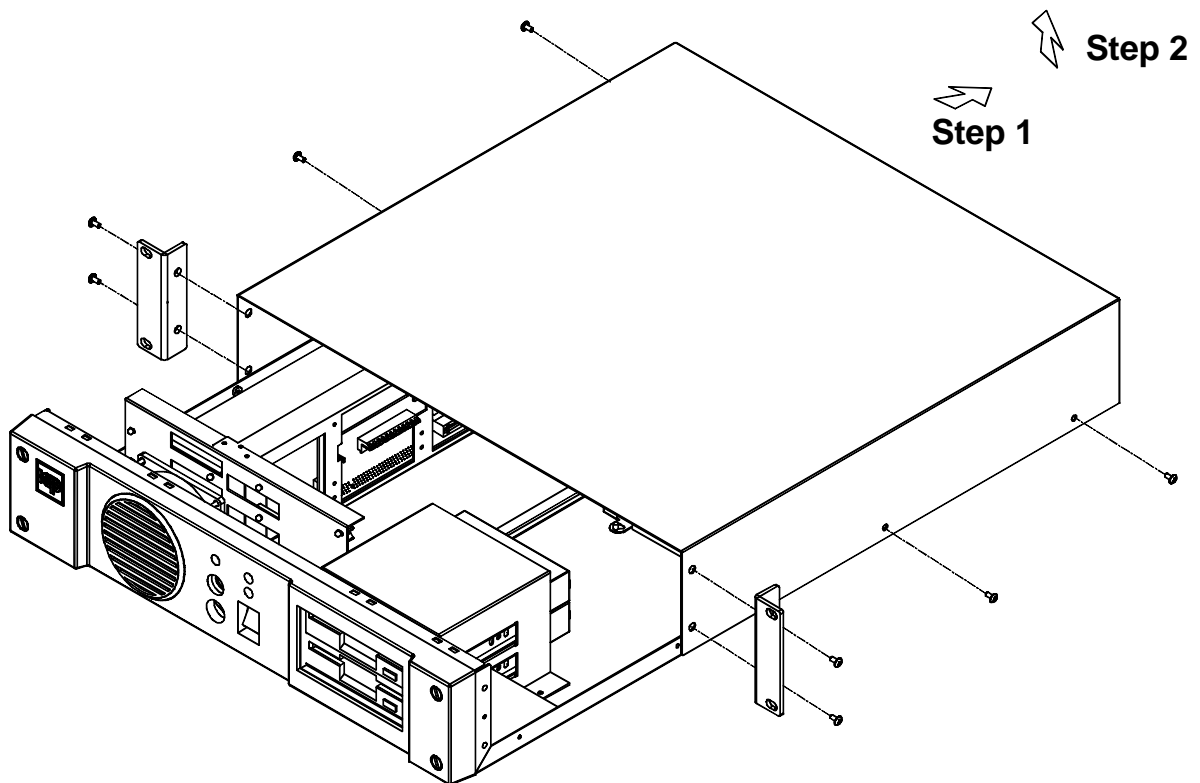
2.1 Front Panel of RACK-200

RESET

KEYLOCK

KEYBOARD

POWER SWITCH

H.D.D-LED

POWER-LED

2.2 Rear Panel of RACK-200
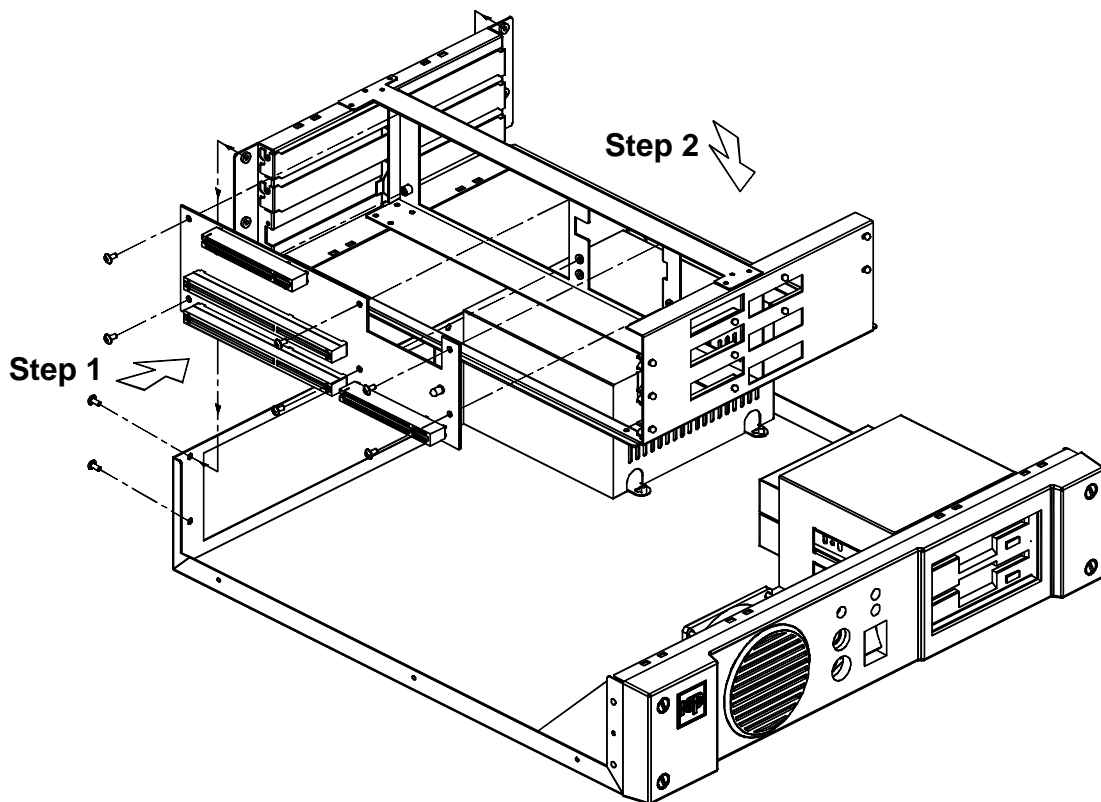
AC-OUTPUT

AC-INPUT

2.3 Removing the chassis cover

The cover is mounted by eight screws on the top of the chassis, remove them and slide the cover to the rear of the chassis. Figure below shows how to remove the chassis cover.

Step 2

Step 1

2.4 Backplane Installation

Figure below illustrates how to install the backplanes on the RACK-200
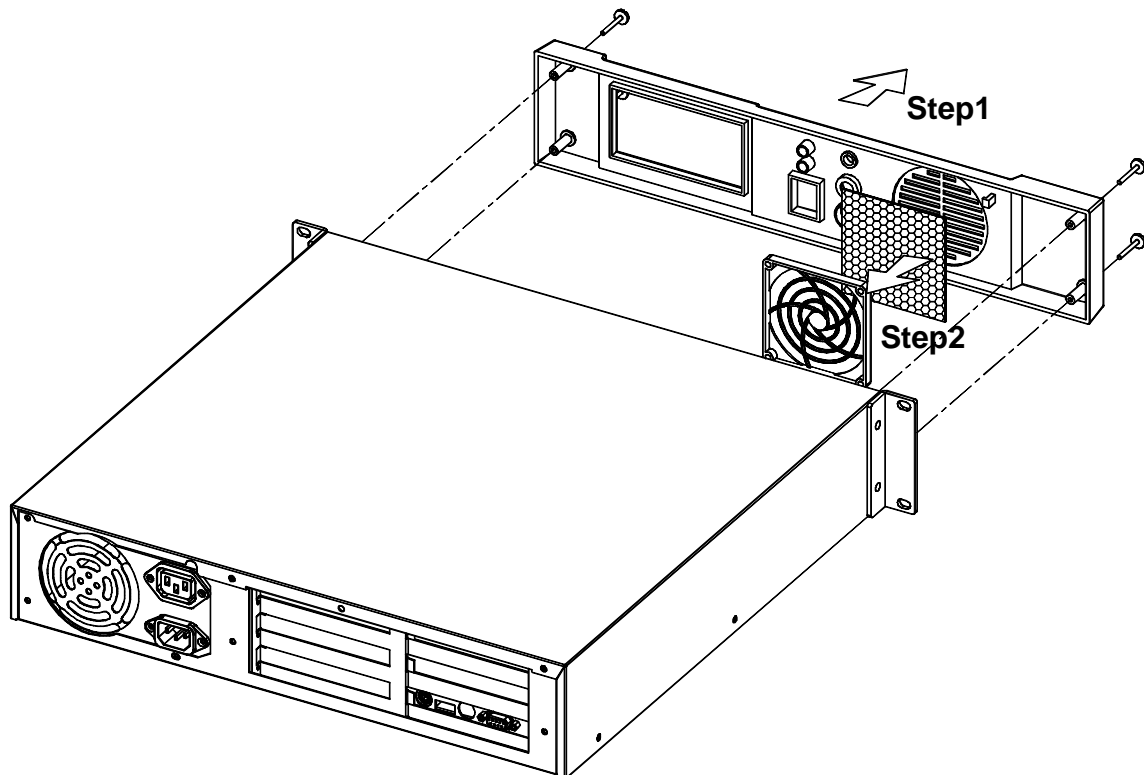
Step 2

Step 1

2.5 Disk Drives Installation

1. Open the disk drive cover in the front panel
2. Mount the drive rails on the side of HDD or FDD
3. Attach the FDD to the bracket with four screws and connect FDD cable & power cable to the FDD.
4. Attach the HDD to the bracket with four screws and connect a 40-pin flat

   Cable & power cable to the HDD.
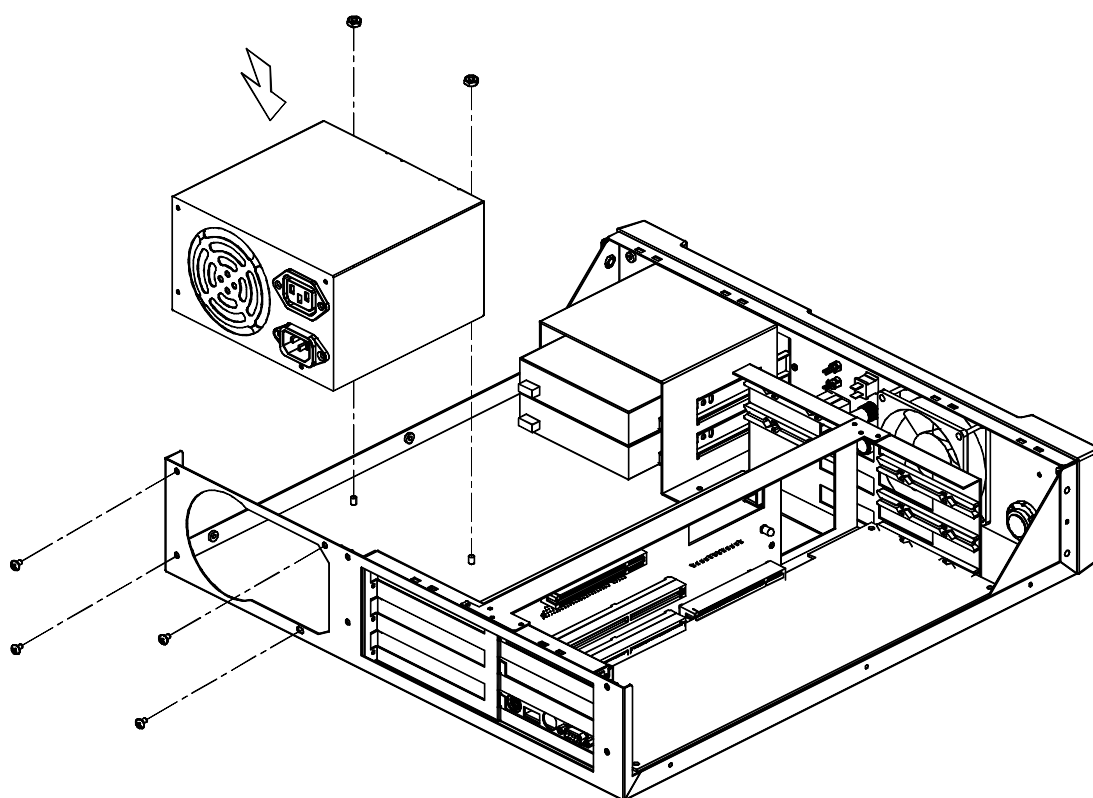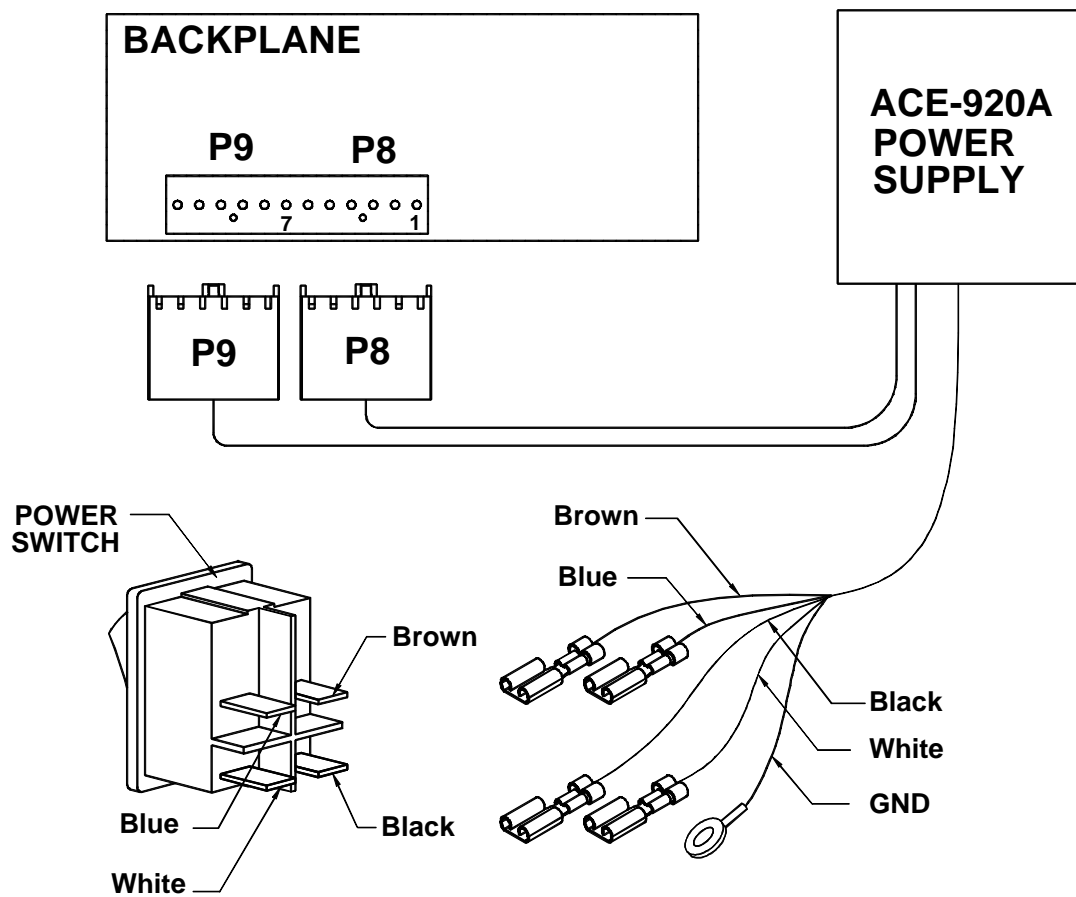
Step 2

Step 1
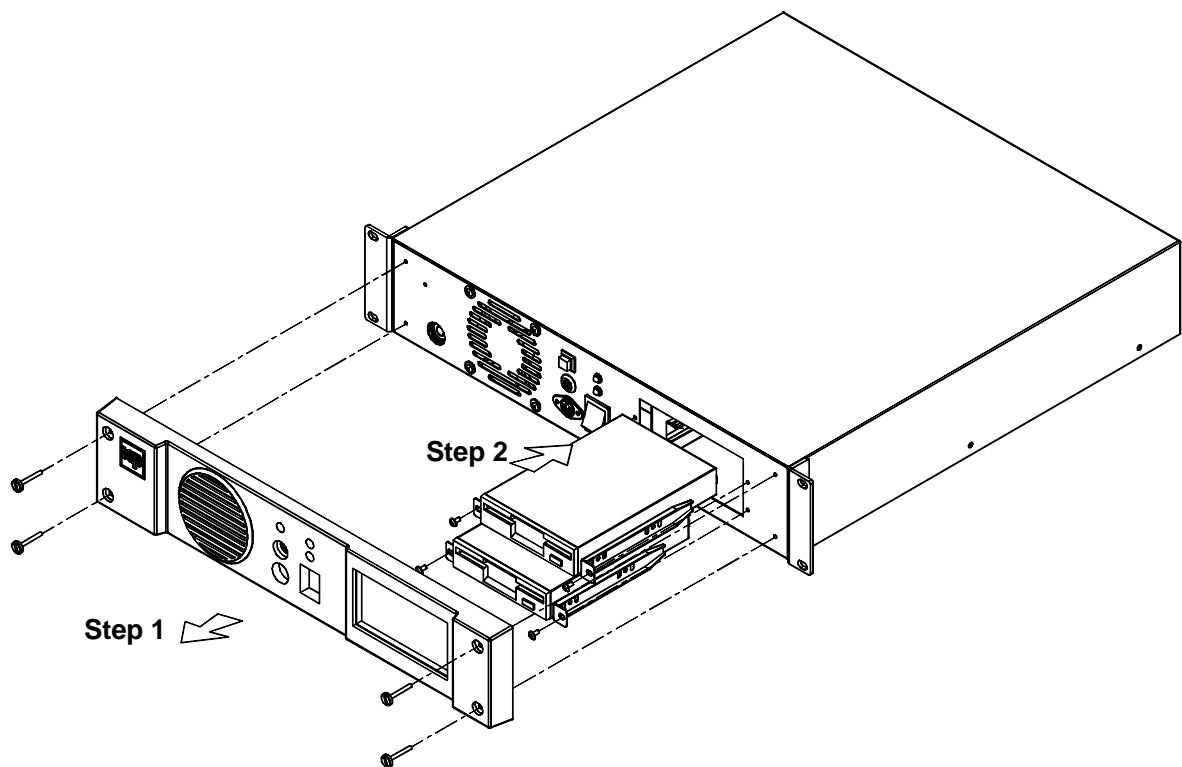
2.6 Replacing the Filter

The filter of the RACK-200 is located at the front end of the chassis. The filter should be removed and cleaned at least once a month to achieve optimum performance. The filter can be removed simply by turn the key-lock to the counter clock-wise direction. Take out the old filter, replace it with the new one if it's already worn out. Then close and lock the filter door.
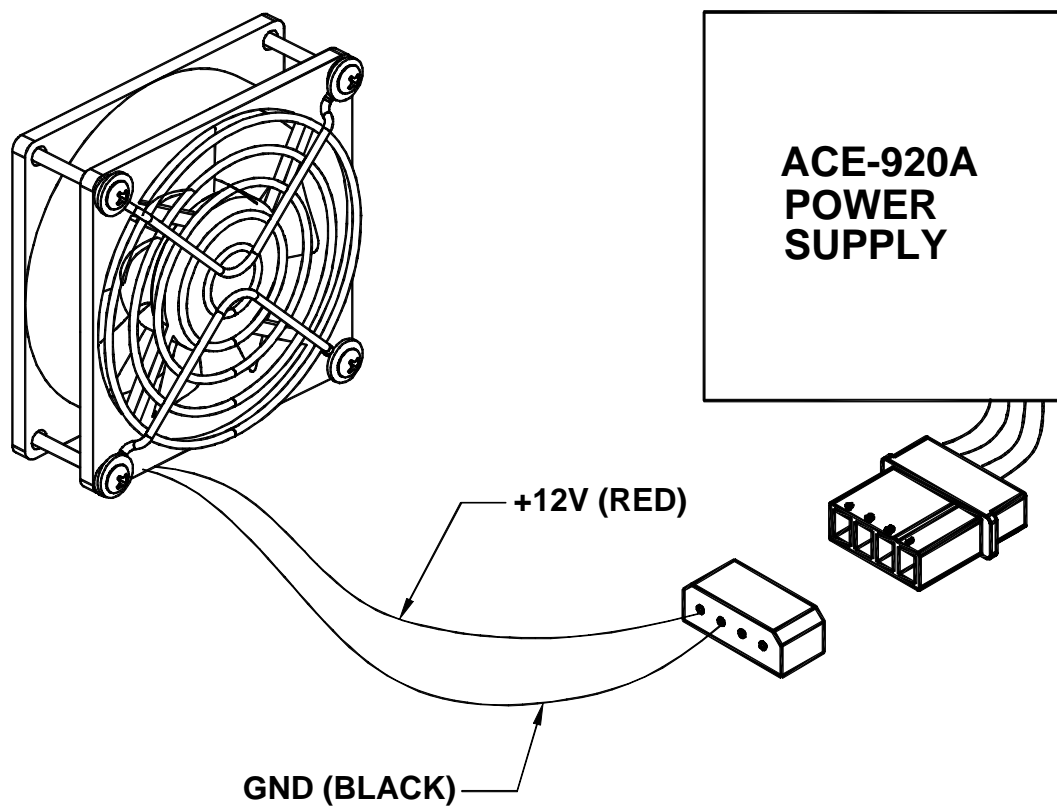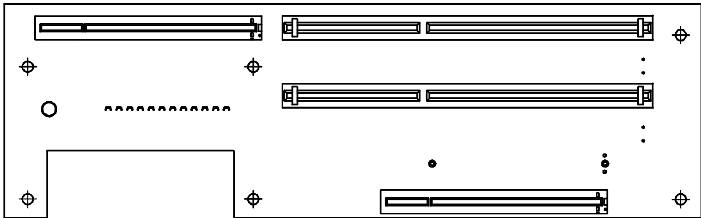
2.7 Power Supply Installation

BACKPLANE

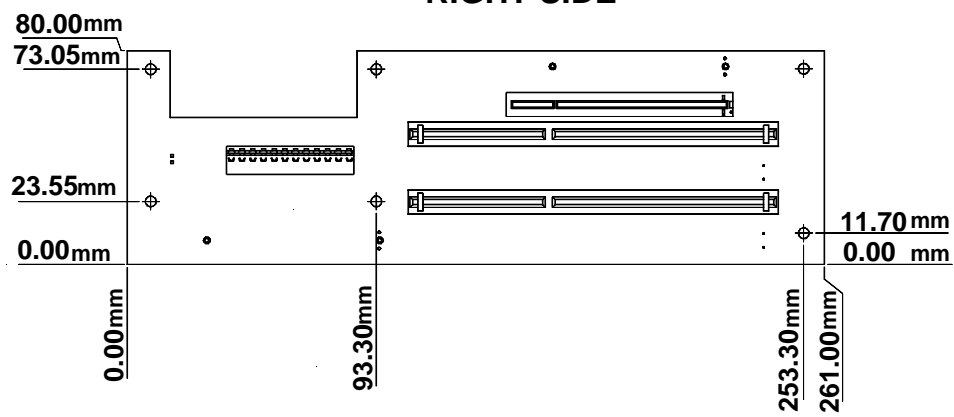**P9**   **P8**

7   1

P9   **P8**

ACE-920A POWER SUPPLY

POWER SWITCH

Brown

Blue

Black

White

Brown

Black

White

GND

2.8 Fan Installation

+12V (RED)

ACE-920A
POWER
SUPPLY

GND (BLACK)

APPENDIX A   PASSIVE BACKPLANES

LEFT SIDE

RIGHT SIDE

80.00mm
73.05mm

23.55mm

0.00mm

11.70 mm
0.00 mm

0.00mm

93.30mm

253.30mm
261.00mm

APPENDIX B   EXPLODED DIAGRAM