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# Chapter 1-Safety Information and Technical Specifications

## 1-1 Electrical Safety Guidelines



Warning: To avoid electrical shock, check the power cords as follows:

#### Checking the Power Cords

- •Use the exact type of power cords as required.
- •Be sure to use power cord(s) that came with safety certifications.

•The power cord(s) must be compliant with the AC voltage requirements in your region.

•The power cord plug cap must have an electrical current rating that is at least 125% of the electrical current rating of this product.

•The power cord plug cap that plugs into the AC receptacle on the power supply must be an IEC 320, sheet C13, type female connector.

•Be sure to disconnect the power supply before accessing the SC933 or its components.

•Plug the Power cord(s) into a socket that is properly grounded before turning on the power.



*Warning:* Follow the guidelines below to avoid possible damages to the system or injury to yourself:

#### General Electrical Safety Guidelines

- Be aware of the locations of the power switches on the chassis and in the room, so you can disconnect the power supply if an accident occurs.
- Take extra precautionary measures when working with high voltage components. It is not recommended to work alone.
- Before removing or installing main system components, be sure to disconnect the power first. Turn off the system before you disconnect the PS.
- Use only one hand when working with powered-on electrical equipment to avoid possible electrical shock.

- Use rubber mats specifically designed as electrical insulators when working with computer systems.
- The power supply or power cord must include a grounding plug and must be plugged into grounded outlets.
- Motherboard Battery: CAUTION -Make sure not to install the onboard battery upside down to avoid possible explosion. Make sure that the positive side should be facing up on the motherboard. This battery must be replaced only with the same or an equivalent type recommended by the manufacturer. Dispose of used batteries according to the manufacturer's instructions.
- CD-ROM Laser: CAUTION Do not open the enclosures of power supplies or CD ROM to avoid injury.

## 1-2 General Safety Guidelines



Warning: Follow these rules to ensure general safety:

- Keep the area around the SC933 clean and free of clutter.
- To avoid injuries to the back, be sure to use your leg muscles, keep your back straight, and bend your knees, when lifting the system.
- After removing the components or chassis covers from the system, place them on a table for safeguard.
- Avoid wearing loose clothing to preventing it from coming into contact with electrical circuits or being pulled into a cooling fan.
- Be sure to remove any jewelry or metal objects before working on the chassis to avoid short circuits should these objects come into contact with power circuits.
- After accessing the interior of the chassis, be sure to close the chassis with chassis covers and secure the chassis to the racks with screws.

## 1-3 ESD Safety Guidelines

Electric Static Discharge (ESD) can damage electronic components. To prevent damage to your system board, it is important to handle it very carefully. The following measures are generally sufficient to protect your equipment from ESD.

- Use a grounded wrist strap designed to prevent static discharge.
- Keep all components and printed circuit boards (PCBs) in their antistatic bags until ready for use.
- Touch a grounded metal object before removing the board from the antistatic bag.
- Do not let components or PCBs come into contact with your clothing, which may retain a charge even if you are wearing a wrist strap.
- Touch a grounded metal object before removing the board from the antistatic bag.
- Handle a board by its edges only; do not touch its components, peripheral chips, memory modules or contacts.
- When handling chips or modules, avoid touching their pins.
- Put the motherboard and peripherals back into their antistatic bags when not in use.
- For grounding purposes, make sure your computer chassis provides excellent conductivity between the power supply, the case, the mounting fasteners and the motherboard.

## 1-4 Operation Safety Guidelines

Warning: For proper cooling, make sure to install all chassis covers before turning on the system. If this rule is not strictly followed, warranty may become void. Do not open the casing of a power supply. Power supplies can only be accessed and serviced by a qualified technician of the manufacturer.



To avoid personal injury and property damage, please carefully follow all the safety steps listed below:

#### Before accessing the chassis:

- 1. Turn off all peripheral devices connected to the SC933.
- 2. Press the power button to power off the system.
- 3. Unplug all power cords from the system or the wall outlets.
- 4. Disconnect all the cables and label the cables for easy identification.
- 5. Use a grounded wrist strap designed to prevent static discharge when handling components.

#### Removing the chassis covers:

After completing the above steps, you can remove the covers and install components/peripheral devices into the chassis as described in Chapter 2.

- 1. Unlock and remove the screws and fasteners to remove the cover or components.
- 2. Save all the screws and fasteners for later use. (If necessary, label these screws or fasteners for easy identification.)
- 3. Follow the instruction given in Chapter 3 to remove the chassis covers.

#### Reinstalling the chassis covers:

To maintain proper system cooling and airflow, do not operate the system without installing all chassis covers back to the chassis. To reinstall the chassis covers, please follow the steps listed below:

1. Make sure that all components and devices are securely fastened

on the chassis and there are no loose parts/screws inside the chassis.

- 2. Make sure that all cables are properly connected to the connectors and ports.
- 3. Use the original screws or fasteners to install the covers to the chassis.
- 4. Be sure to lock to the chassis or the system to prevent unauthorized access.
- 5. For proper cooling, enclose the chassis with covers before operating the system.

#### Before installing the chassis into a rack:

1. Make sure that the rack is securely anchored onto a unmovable surface or structure before installing the chassis into the rack.

2. Unplug the power cord(s) of the rack before installing the chassis into the rack.

3. Make sure that the system is adequately supported. Make sure that all the components are securely fastened to the chassis toprevent components falling off from the chassis.

- 4. Be sure to install an AC Power Disconnect for the entire rack assembly and this Power Disconnect must be clearly marked.
- 5. The rack assembly shall be properly grounded to avoid electric shock.
- 6. The rack assembly must provide sufficient airflow to the chassis for proper cooling.

## 1-5 Product Compliance Information

The SC933 Chassis is compliant with the following safety standards/ requirements:

#### Product Safety

\*Canada/USA--UL60 950-CSA60 950

\*European Union--EN 60 950

\*International--IEC 60 950

#### Electromagnetic Compatibility (EMC)-Emissions

\*European Union--EN55022: 1994 \*International--CISPR 22 \*USA--Title 47 CFR, Part 15

#### Electromagnetic Compatibility-Immunity

\*European Union--EN55024: 1998 \*International--CISPR 24

#### Power Line Harmonics/Voltage Flicker

\*European Union--EN61000-3-2/EN61000-3-3 \*International--IEC61000-3-2

## 1-6 The SC933S Series: Packing List and the Chassis Specifications

#### A. The SC933S chassis contains the following:

#### The SC933S chassis contains:

Component	Qty	Part Number
SCA 1" Drive Trays	14	CSEPT39(B)
92mm Hot-Swap Chassis Fan	4	FAN-0064
80mm Rear Chassis Fan	2	FAN-0062
760W Triple Redundant (2+1) Power	1	PWS-0050
Power Supply Power Distributor	1	CSE-PT933-PD382
14-port SCSI Single-Channel w/SAF-TE Backplane (SC933S1)	1	CSE-SCA 933S1
14-port SCSI Dual-Channel w/SAF-TE Backplane (SC933S2)	1	CSE-SCA 933S2
Front-Access USB/COM Port Tray	1	CSE-PT49(B)
Fan Shroud	1	CSE-PT44(SC933S1)
	1	CSE-PT45(SC933S2)
SCSI Cable (20") (SC933S1)	1	CBL-0063
SCSI Cable (29") (SC933S2)	1	CBL-0028
SCSI Cable (9") (SC933S2)	1	CBL-0033-U320

#### B. The SC933S Accessory Box contains:

Component	Quantity
AC Power Cords	3
Motherboard Screws and Standoffs	1 set
HDD Screws	1 set
Wrench	1

#### C. The SC933S Rail Packing contains:

Component	Quantity
Rack Rail Assembly	2 sets
Front Brackets for Mounting Rack Rail	2
Rear Brackets for Mounting Rack Rail	2
Mounting Screws	1 set

(\*Note: Please refer to Page 1-11 for the Power Supply Specifica-tions.)

## 1-7 The SC933T Series: Packing List and the Chassis Specifications

#### A. The SC933T chassis contains the following:

#### The SC933T chassis contains:

Component	Qty	Part Number
SCA 1" Drive Trays	15	CSEPT39(B)
92mm Hot-Swap Chassis Fan	4	FAN-0064
80mm Rear Chassis Fan	2	FAN-0062
760W Triple Redundant (2+1) Power	1	PWS-0050
Power Supply Power Distributor	1	CSE-PT933-PD382
15-port SATA Backplane	1	CSE-SATA 933
Fan Shroud	1	CSE-PT44
	1	CSE-PT45

#### **B. The SC933T Accessory Box contains:**

Component	Quantity
AC Power Cords	3
Motherboard Screws and Standoffs	1 set
HDD Screws	1 set
Wrench	1
SATA Cable (CBL-0044)	4
SATA LED Cable (CBL-0056)	2

#### C. The SC933T Rail Packing contains:

Component	Quantity
Rack Rail Assembly	2 sets
Front Brackets for Mounting Rack Rail	2
Rear Brackets for Mounting Rack Rail	2
Mounting Screws	1 set

(\*Note: Please refer to the next page for the Power Supply Specifications.)

Power supply spec	SC933 series
Mfr. model #	SP762-TS(3xSP382-TS Models)
Mfr. part #	PWS-0050
Rated AC input voltage	100-240V AC
Rated input frequency	50-60 Hz
Rated input current	14A (115V)
	7A (230V)
Rated output power	760W
Maximum rated BTU	4350 BUTs/Hr
Nominal DC output	
+3.3V	36A
+5V	36A
+12V	50A combined
-12V	1A

#### D. The SC933S/T Power Supply Specifications

(\*Note: When connecting the 760W Power Supply to the Drive Backplane, be sure to connect the power supply to the connectors labelled "PD", "PE" and "PH" (with yellow/green stripes), and then, to the connector labelled "PJ", colored in yellow/blue stripes.)

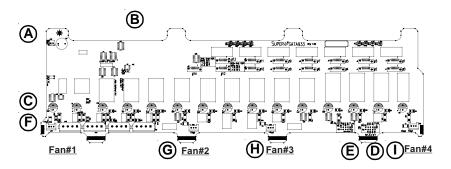
## E. The Serial ATA Back Panel (\*SC933T Only)

SATA	Jumpers	Default Settings	Notes	
Α	JP18	Open	Buzzer Reset (*Note Below)	
В	JP25	1-2	Overheat Temperature#1 50 <sup>o</sup> C	
С	JP45	1-2	Overheat Temperature#2 50°C	
D	JP26	Open	Common Act In and Act#0-#7 In	
E	JP47	Open	Common Act In and Act#8-#14 In	
F	JP61	Closed	Fan #1 Enabled	
G	JP62	Closed	Fan #2 Enabled	
H JP63 Closed Fan #3 Enabled			Fan #3 Enabled	
I	I JP64 Closed Fan #4 Enabled			
(*Note: Press the button on the front panel once to disable the buzzer. If the				
buzzer has been disabled, please be sure to press the button once again to				

#### E-1 Jumper Settings and Pin Definitions

E-2 Jumper Setting Locations

re-enable the buzzer.)



Note1: By default, we connect four chassis fans to the drive backpanel.

Note2: When connecting the 760W Power Supply to the Drive Backplane, be sure to connect the power supply to the connectors labelled "PD", "PE" and "PH" (with yellow/green stripes), and then, to the connector labelled "PJ", colored in yellow/blue stripes.

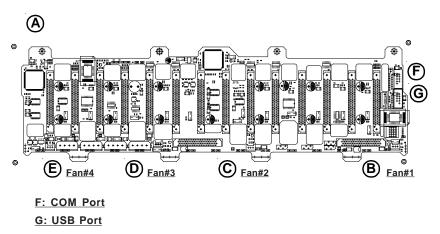
## F. The SCSI Back Panel (\*SC933S Only)

#### F-1 Jumper Settings and Pin Definitions

SCSI	Jumpers	Default Settings	Notes	
Α	JP19	Open	Buzzer Reset (*Note Below)	
В	JP41	Closed	Fan #1 Enabled	
С	JP42	Closed	Fan #2 Enabled	
D	JP43	Closed	Fan #3 Enabled	
E	JP44	Closed	Fan #4 Enabled	
(*Note: Press the button on the front panel once to disable the buzzer. If the buzzer has been disabled, please be sure to press the button once again to re-enable the buzzer.)				

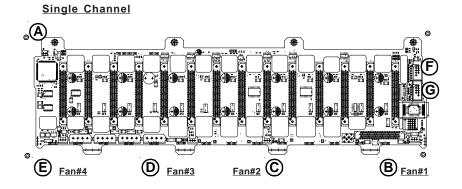
#### F-2 Jumper Setting Locations

#### Dual Channel



Note1: By default, we connect four chassis fans to the drive backpanel.

Note2: When connecting the 760W Power Supply to the Drive Backplane, be sure to connect the power supply to the connectors labelled "PD", "PE" and "PH" (with yellow/green stripes), and then, to the connector labelled "PJ", colored in yellow/blue stripes.



F: COM Port

G: USB Port

Note1: If Chassis Fan1 is not connected to the Fan 1 header, please disable JP41; otherwise, the Fan1 Fail LED will be activated. When JP41 is "disabled", you can connect a motherboard fan to the Fan1 header. If a motherboard fan is connected to the Fan1 header, the Fan1 Fail LED will be activated if the motherboard fan should fail. This applies to all the fan headers and their correspondent jumpers listed above.

Note2: When connecting the 760W Power Supply to the Drive Backplane, be sure to use the connectors marked "PD" and "PG", colored in yellow/green stripes.

#### F-3 SCSI (Super) GEM Driver Installation (\*for Windows OS)

(\*Note: This driver is not necessary for other Operating Systems. If you have two SCA backplanes, you will need to install the driver twice.)

The driver is located on the Super Micro motherboard driver CD or is available for download from our FTP site: <a href="http://ftp.supermicro.com/driver/Qlogic/">http://ftp.supermicro.com/driver/Qlogic/</a>

Follow the procedure below to install this driver to your system.

#### Installing the driver:

1) Right click on "My Computer" and choose "Property".

2) Select "Hardware" tab and click on "Device Manager".

3) Open "Other Devices" or wherever "GEM318" is on.

4) Right click on this device and choose "Property".

5) Click on "Driver" tab and choose "Update Driver".

6) Click "Next" 2 times, uncheck both "Floppy disk drives" and "CD-ROM drives". Then, select the item- "Specify a location," and choose "Next".
7) Click on "Browse" and choose D drive or wherever Supermicro Setup CD is in.

8) Choose "Qlogic" folder and click on "Open".

9) System will automatically detect GEM318 and install the drive from this point on.

or,

1) Right click the "My Computer" icon on your desktop and choose Properties.

2) Click on the Hardware tab and click on "Device Manager" to bring up the list of system devices.

3) You may see one or two yellow question marks (?) that read QLogic GEM354 or GEM318 SCSI Processor Device. Right click on these, and choose to uninstall. If two such question marks are present, uninstall both.

4) Click on Action tab and choose "Scan for Hardware Changes". The Hardware Wizard program should start up. Click "Next".

5) At the first prompt, choose "Display a list of known device drivers for the device so that I can choose a specific driver" and click "Next".

6) Choose "Other Devices" and click Next.

7) Choose "Have Disk", and specify your floppy drive location in the options box. Then, click "Next".

8) Highlight "Enclosure Services Device" and click "Next".

9) Ignore the warning prompt by clicking "Yes".

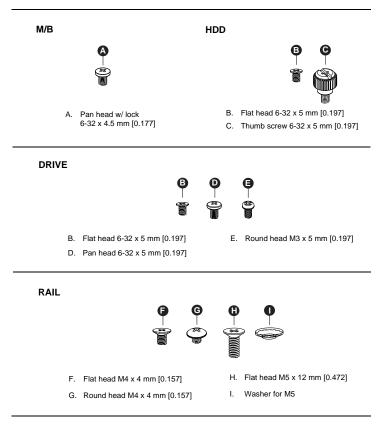
NOTES

## Chapter 2: Chassis Description and Installation Procedures

## 2-1 Chassis Description

### A. Contents of the Accessory Kit:

The following items are included in the Accessory Kit:



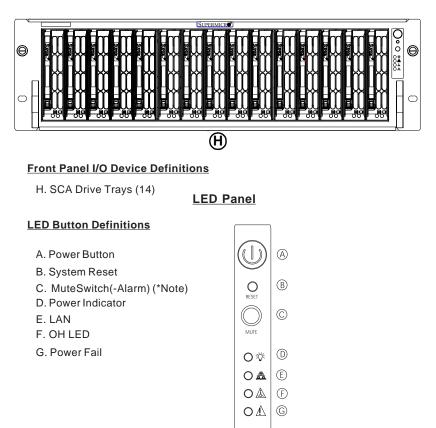
#### **M/B STANDOFF**



- J. M/B standoff, 6-32 to 6-32
- K. M/B (CPU) standoff, M5 to 6-32

## **B. Chassis Front View and the Front Control Panel**

#### Chassis Front Panel



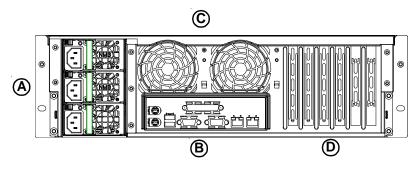
#### <u>(\*Note:</u>

<u>Reset LED: After the Alarm goes off, please press the Alarm Reset</u> button to reactivate the function.)

LED Button	Color	Condition	Description
Power	Green	On	System On
		Off	System Off
HDD	Amber	Blink	HDD Activity
		Off	No Activity
LAN1	Green	On	Linked
		Blink	LAN Activity
		Off	Disconnected
Overheat	Red	On	System Overheat
		Off	System Normal
System Alert/	Red	On	1 or more PWR modules failure
Power Failure		Off	System Normal

#### LED Button Descriptions

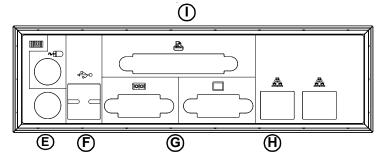
#### C. Chassis Rear View and the Back Panel



SC933 Chassis Rear View

#### **Back Panel Devices**

- A. Power Supply Modules (3)
- B. Back Panel I/O Ports
- C. Rear System Fans
- D. Full-size PCI Expansion Slots (6)



\*I/O Back Panel

#### **Back Panel I/O Port Definitions**

- E. Keyboard & Mouse
- F. USB Ports
- G. COM/Video Ports
- H. LAN1 & LAN2
- I. Parallel Port

(\*Note: The actual I/O Configuration of your system might be different from the one shown above.)

#### Power Module LED Descriptions

Power Module	Color Condition	Description
LED	Green	Power Supply DC On
	Amber	Power Supply Standby
	Off	No AC Power to the system

## 2-2 Chassis Installation

#### A. Important Safety Guidelines



This product shall only be accessed, assembled and serviced by technically qualified personnel or technicians.

To avoid personal injury and property damage, please read all the information provided in Chapter 1, and carefully follow all the Safety Guidelines listed before accessing or servicing the SC933 or its components. For your convenience, some Safety Steps are also listed below:

#### Safety Steps

#### Before accessing the chassis:

- 1. Turn off all peripheral devices and turn off the power supply connected to the SC933.
- 2. Unplug all power cords from the system or the wall outlets.
- 3. Disconnect all the cables and label the cables for easy identification.
- 4. Use a grounded wrist strap designed to prevent static discharge when handling components.

#### Removing the chassis covers:

After completing the above steps, you can remove the chassis covers and install components and devices into the chassis as described in this chapter.

- 1. Unlock and remove the screws and fasteners to remove the cover or components.
- 2. Save all the screws and fasteners for later use. (If necessary, label these screws
- or fasteners for easy identification.)
- 3. Follow the instructions given in this chapter to remove the chassis covers.

#### B. Tools needed

- 1. Fillips Screw Driver
- 2. Antistatic Strap (recommended)

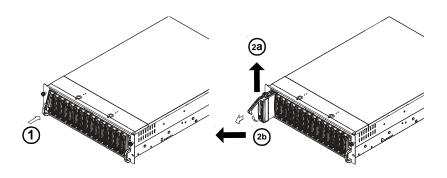
## C. Accessing the SCA Drive Tray and Installing a HDD

To install the SCA drive into the chassis, you need to first remove the SCA drive tray from the chassis.

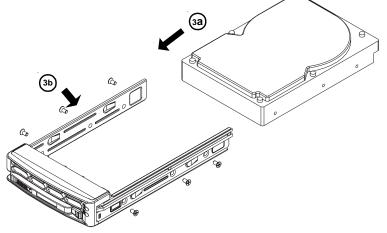
#### **Procedures**

1. Press the release tab located on the drive tray door to release the drive tray from its locking position as shown below:

2. Pull the drive tray door upward and then pull the SCA drive tray out from the chassis.



3. Mount a hard drive in the drive tray and make sure that all the screws are securely fastened.

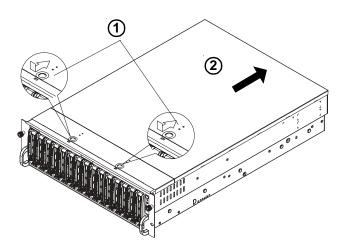


#### D. Removing the Top Cover of the SC933 Chassis

Before installing any components, replacing chassis fans or accessing the motherboard, you will first need to remove the top cover.

#### **Procedures**

1. Press the release tabs to release the cover from its locking position.

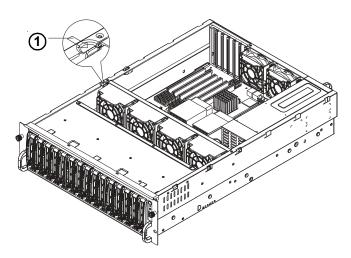


2. Once the top cover is released from its locking position, push the cover toward the rear side and slide it out from the chassis.

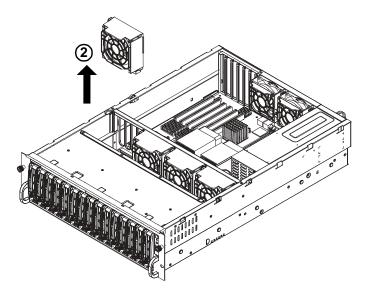
### E-1. Accessing the Front Chassis Fans

#### **Procedures**

1. Press the release tab located on the left side of the front chassis fan (when facing the front side of the fan) to release the chassis fan from its locking position as shown in the picture below:



2. Once you've unlocked the front chassis fan, you can pull the fan out.



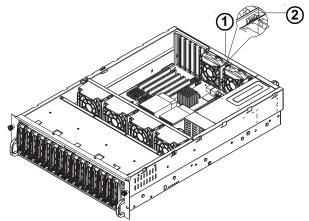
#### E-2. Accessing the Rear Chassis Fans

Before installing the motherboard in the chassis or accessing the motherboard, you will need to remove the rear chassis fans from the chassis.

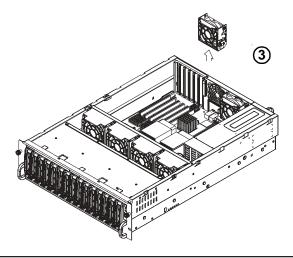
#### **Procedures**

1. Locate the release tab on the left side of the rear chassis fan (when facing the front side of the back panel).

2. Push the release tab to the right to release the rear chassis fan from its locking position as shown below:



3. Once the rear chassis fan is unlocked, you can remove the fan from the chassis as shown below:



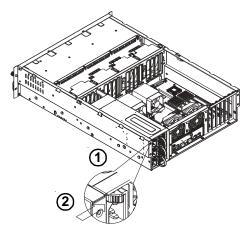
#### F. Accessing the 760W Power Supply (\*For Triple Redundant Power Supply-3xPWS-0050M)

## (\*Caution: Unplug the Power Cord before removing the Power Supply!!)

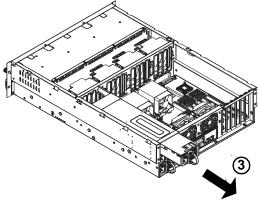
#### Procedures

1. Locate the release tab on the left side of the power supply.

2. Push the release tab to the right to release the power supply from its locking position as shown below:



3. Once the power supply module is released from its locking position, remove it from the chassis.





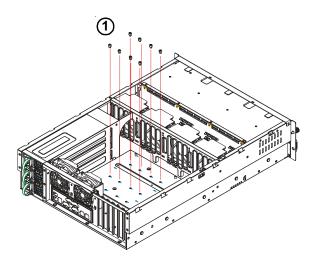
*Warning:* Do not open the casing of a power supply. Power supplies can only be accessed and serviced by a qualified technician from the manufacturer.

#### G. Installing the Motherboard

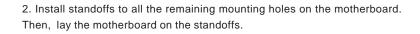
Be sure to disconnect the power supply before accessing or installing the motherboard into the chassis. However, you will need to, first, identify the CPU locations, and then, install the correct type of standoffs under the CPUs before installing the motherboard into the chassis. (Refer to Chapter 1 for Safety Guidelines.)

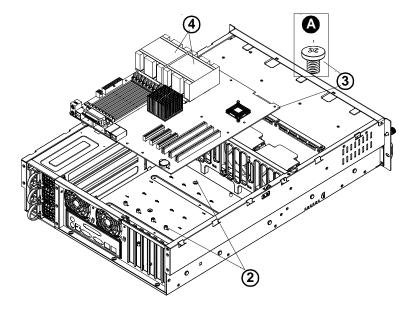
#### Procedures

1. Lay the chassis on a flat surface. Locate the eight (8) holes on the chassis and install eight (8) standoffs through the holes on the chassis.



(\*\*Note: the motherboard shown above is for reference only!! The motherboard is not included in the SC933 shipping package.)





3. Secure the motherboard to the chassis with Type A(6-32) screws as shown above. (\*Please refer to Page 2-1 MB kit for the Type A screw.)

4. Secure the CPU heatsink mechanism to the motherboard.

(\*\*Note: the CPUs and Heatsinks shown above are for reference only!! The motherboard is not included in the SC933 shipping package.)



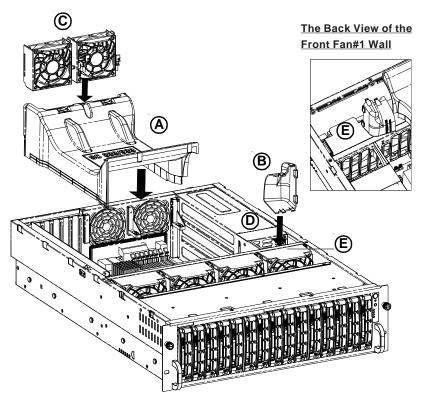
*Warning:* For proper cooling, please make sure that the air shroud and all the chassis covers are installed before you operate the system. Out -of -warranty damage can occur if this rule is not strictly followed. Please refer to the next page for Air Shroud Installation.

#### H. Installing the Air Shrouds

 Warning: For proper cooling, please be sure to install the air shroud

 Image: showing in the image of the system in the system in the system.

The SC933 chassis and the locations of Large and Small Air Shrouds



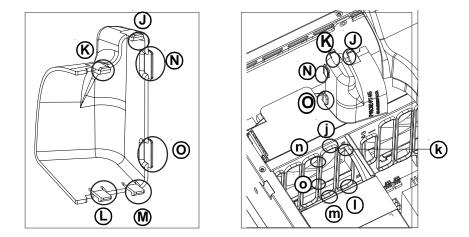
- A. Large Air Shroud
- B. Small Air Shroud
- C. Rear Fans
- D. Power Supply
- E. Front Fan#1

#### I. Installing the Small Air Shroud

#### **Procedures**

1. Identify the location for the small shroud which is between the back side of Front Fan#1 (labelled "E" on the previous page) and the Power Supply (labelled "D"). The Small Air Shroud is to be installed on the back wall of the Front Fan1(E) and in front of the Power Supply (D).

2. Locate the six tabs (labelled as J, K, L, M, N, and O) on the Small Air Shroud and the six corresponding holes (marked as j, k, l, m, n, and o) on the chassis as shown on the pictures below.



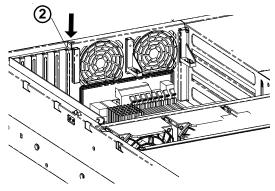
3.Align each tab on the Small Air Shroud with its corresponding hole on the chassis, and insert the tab into its corresponding hole. Make sure that the Small Air Shroud is securely installed in the proper place as shown on the picture.

#### II. Installing theLarge Air Shroud

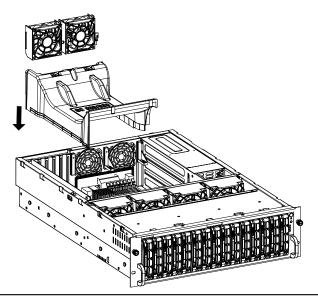
#### **Procedures**

1. Remove all the rear fans from the chassis if you have not done so. You can remove a rear fan from the chassis by pressing the release tab on the upright corner of the fan and pulling the fan out of the chassis.

2. Align the Large Air Shroud against the rear fan stem (labelled as 2) and gently push the air shroud into the chassis.



3. Slide the rear fans into the fan slots. Make sure that the fans are securely fastened on the chassis.



## I. Installing Chassis Rails

Please make sure that the chassis covers and chassis rails are installed on the chassis before you install the chassis into the rack.



To avoid personal injury and property damage, please carefully follow all the safety steps listed below:

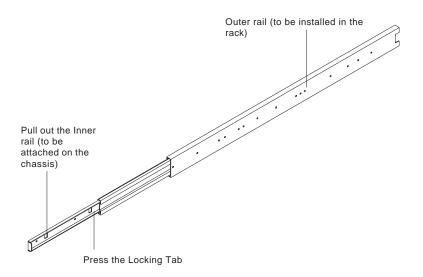
#### Before installing the Chassis rails:

- 1. Enclose the chassis with chassis covers.
- 2. Unplug the AC power cord(s).
- 3. Remove all external devices and connectors.

#### Procedures to Install Chassis Rails

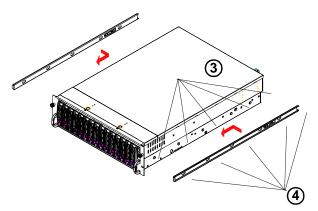
1. Included in the shipping package are a pair of rail assemblies. In each rail assembly, locate the inner rail and the outer rail.

2. Press the locking tab to release the inner rail from its locking position and pull out the inner rail from the rail assembly. (\*The inner rails are to be attached to the chassis and the outer rails are to be installed in the rack.)



3. Locate the five rail buttons on each side of the chassis and locate the five corresponding holes on each of the inner rail.

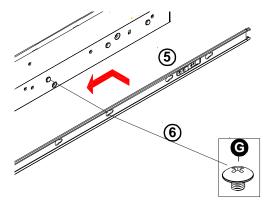
(\*Please note that one end of the hole is larger than the other end of the hole.)



4. Align the larger end of each hole against its corresponding button. Once all aligned, push the holes toward their corresponding buttons and the rail is placed on the chassis.

5. Once the rail is placed on the chassis, pull the rail forward until the rail buttons lock in the small ends of the corresponding holes.

6. Secure the rail to the chassis with a Type G screw (Refer to Page 2-1 for the Type G screw.) Repeat the above steps to install other rail on the chassis.



## J. Rack Installation

After you have installed the inner rails on the chassis, you are ready to install the outer rails of rail assemblies to the rack.

#### (\* The rails are designed to fit in the racks with the depth of 28" to 33".)

#### Procedures

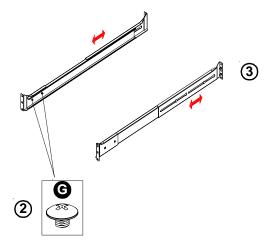
1. In the package, locate a pair of front (-short) and rear (-long) brackets. Please note that the brackets are marked with Up/Front Arrows (-front) and Up/Rear arrows (-rear).

2. Secure the front (-short) bracket (marked with the Up/Front arrows) to the outer rail with two Type G screws.

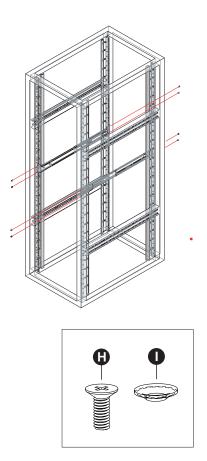
3. Locate the two buttons on the outer rail and attach the rear (-long) bracket to it by sliding the opening of the rear rail through the button.

4. Measure the depth of your rack and adjust the length of the rails accordingly.

5. Repeat the same steps install the other outer rail on the chassis.

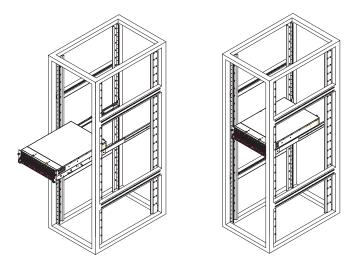


6. Secure both outer rail assemblies to the rack with Type H screws and Type I Washers.

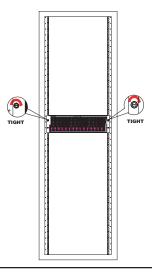


7. Once the rail assemblies are securely installed on the rack, slide the SC933 into the assemblies as shown below:

(The SC933 may not slide into the rack smoothly or easily when installed the first time. However, some adjustment to the slide assemblies might be needed for easy installation.)



9. Secure the SC933 on the rack by tightening the screws on the front sides of the SC933 as shown below:



### Notes