

## Accessing the System

---

This chapter describes how to power on and power off the Netra t 1400/1405 and access the system.

---

### 6.1 System ON/STBY Switch

The system switch of the Netra t 1400/1405 is a rocker, momentary switch which functions as a standby device only, controlling logic circuits which enable power module output.

#### ▼ To Power On the System

**1400**

1. **Prior to powering on, inspect the supply conductors for correct polarity and mechanical security, and ensure that they are wired correctly (see the *Netra t 1400/1405 Installation and User's Guide*).**

**1405**

2. **Activate the external circuit breaker(s), or plug it into the mains supply.**
3. **Set the front panel ON/STBY system switch to the ON | position and hold it until the system starts to power up, or use the LOMlite `poweron` command.**

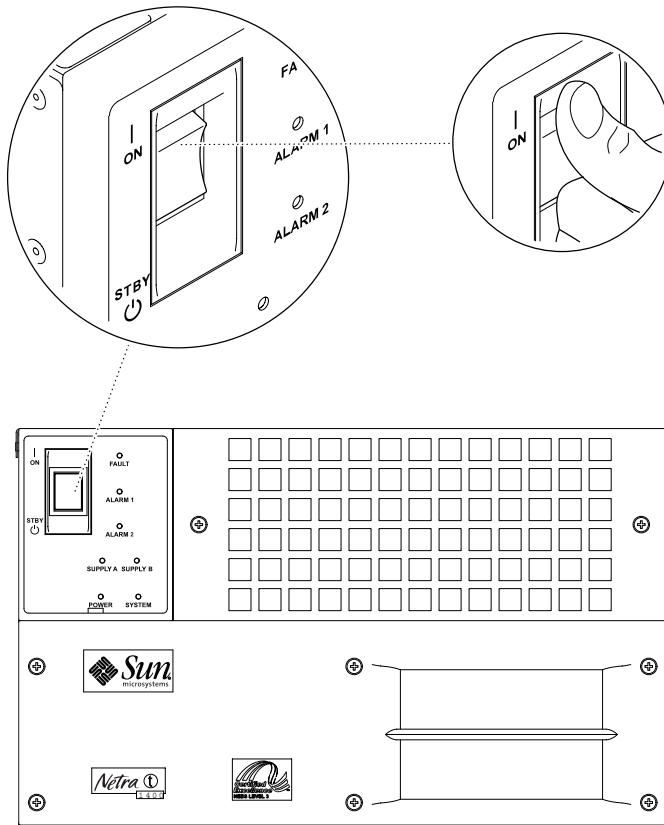



FIGURE 6-1 System Power-On (Front Panel)


## ▼ To Power Off the System



**Caution** – Prior to turning off system power, exit from the operating system. Failure to do so may result in data loss.

1. Where necessary, notify the users that the system is going down.
2. Back up system files and data.
3. Continue with step a. or b., as appropriate.
  - a. Set the ON/STBY switch at the front of the system to the STBY  position and release it immediately to initiate a clean shut down followed by a power off.

**b. Halt the operating system.**

Set the ON/STBY switch at the front of the system to the STBY  position and hold it until the system shuts down (this can take several seconds) or use the LOMlite `poweroff` command.

**4. Verify that the Power LED is off.**

**5. Disconnect the AC or DC power connector(s) from the rear of the system, or open the external circuit breaker(s).**



**1400**

---

**Caution –**

Regardless of the position of the ON/STBY switch, when a DC power cord remains connected to the system, DC voltage is always present within the power supply.

**1405**

Regardless of the position of the ON/STBY switch, when an AC power cord remains connected to the system, hazardous voltage is always present within the power supply.

---

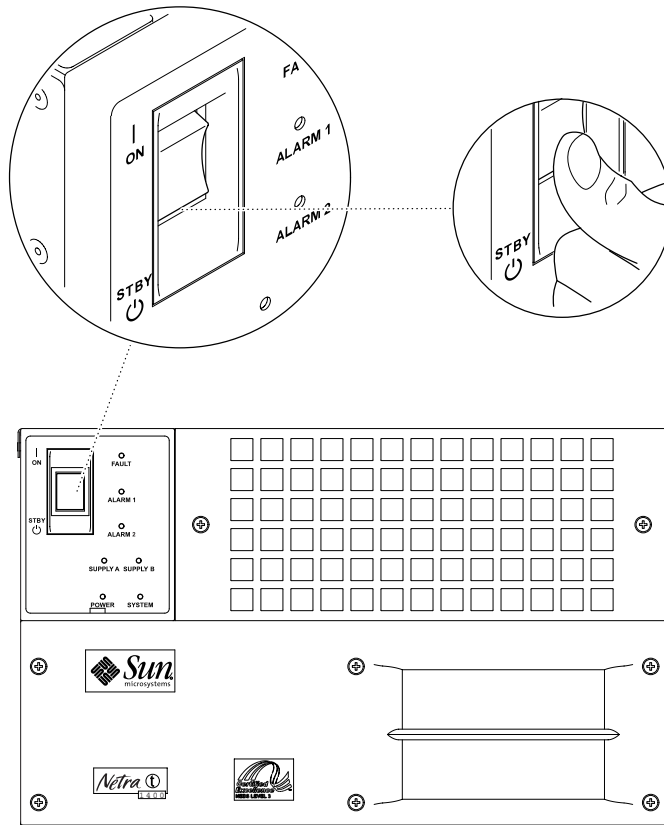


FIGURE 6-2 System Power-off (Front Panel)

## 6.2 Antistatic Wrist Strap



**Caution** – Wear an antistatic wrist strap and use an ESD-protected mat when handling components. When servicing or removing system unit components, use an antistatic wrist strap with a 10mm press stud connection and attach the antistatic wrist strap to the press stud at the front or rear of the chassis. This should be performed before the top access cover is removed.

## ▼ To Attach the Antistatic Wrist Strap

1. To attach the antistatic wrist strap to the front of the chassis, remove the front panels by turning the captive quarter-turn Phillips screws anticlockwise through 90° and connect the strap as shown in FIGURE 6-3.

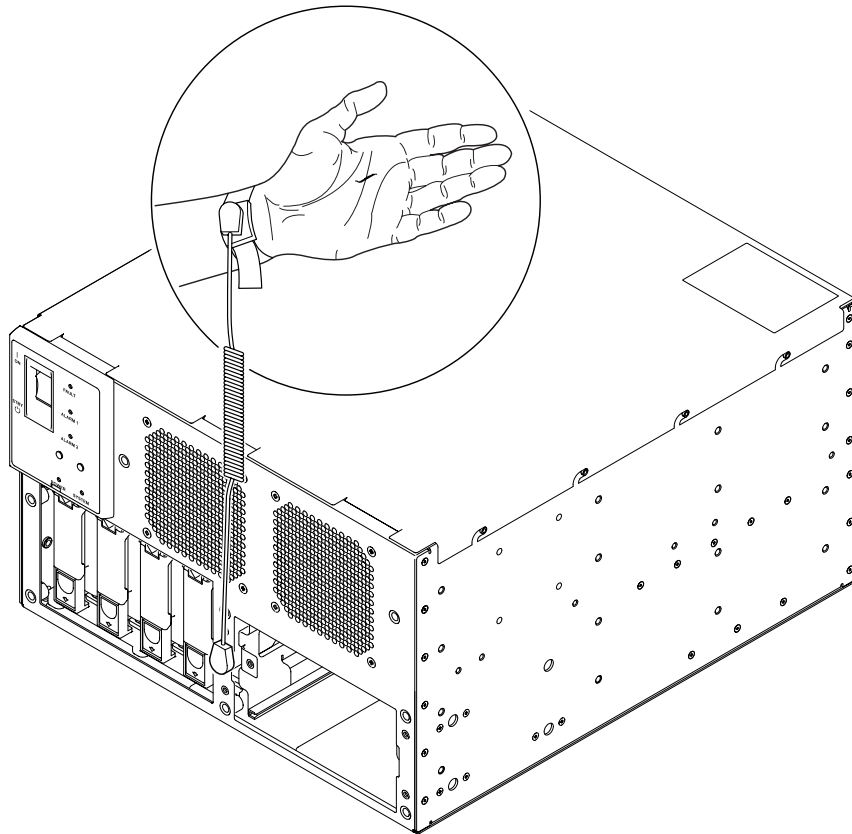
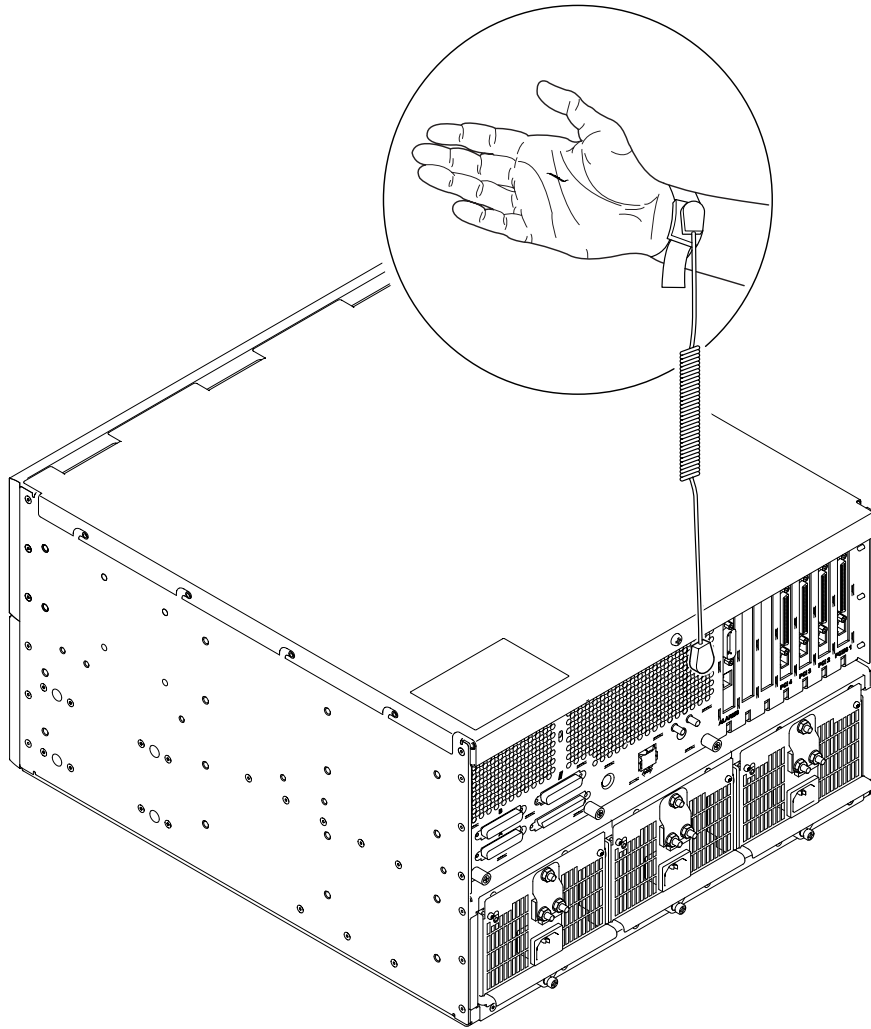


FIGURE 6-3 Attaching the Antistatic Wrist Strap to the Front of the Chassis

2. To attach the antistatic wrist strap to the rear of the chassis, connect the strap as shown in FIGURE 6-4 on page 6-6.



**FIGURE 6-4** Attaching the Antistatic Wrist Strap to the Rear of the Chassis

---

## 6.3 Top Access Cover

### ▼ To Remove the Top Access Cover



---

**Caution** – Wear an antistatic wrist strap and use an ESD-protected mat when handling components. When servicing or removing system unit components, an ESD Strap should be attached to the wrist, then to one of the connection points provided on the system, and then the power connectors should be removed from the system unit. Following this caution equalizes all electrical potentials with the system unit.

---

**1. Power off the system.**

See "To Power Off the System" on page 6-2.

**2. Disconnect all power cords.**

**3. Attach the antistatic wrist strap to the rear of the system.**

See "To Attach the Antistatic Wrist Strap" on page 6-5.

**4. Release the single captive screw from the rear of the top access cover pulling the cover towards you, and lift off the cover.**

### ▼ To Replace the Top Access Cover



---

**Caution** – Wear an antistatic wrist strap and use an ESD-protected mat when handling components. When servicing or removing system unit components, an ESD Strap should be attached to the wrist, then to one of the connection points provided on the system, and then the power connectors should be removed from the system unit. Following this caution equalizes all electrical potentials with the system unit.

---

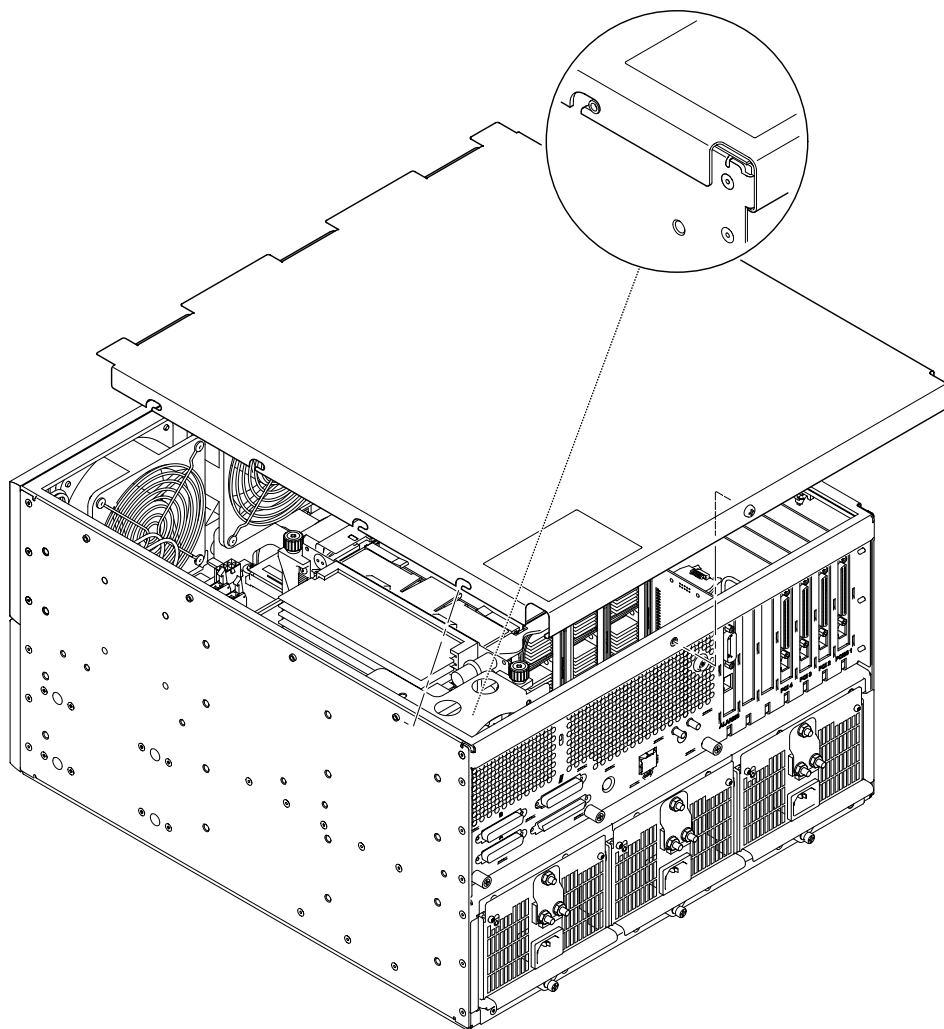
**1. Attach the antistatic wrist strap to the rear of the system.**

See "To Attach the Antistatic Wrist Strap" on page 6-5.

**2. Position the top access cover.**

See FIGURE 6-5.

**3. Push the cover forwards and tighten the captive retaining screw.**



**FIGURE 6-5** Top Access Cover