

Hardware

This chapter describes hardware features and reprogramming of security procedures.

1.1 Flash PROM

Sun Enterprise™ 6x00/5x00/4x00/3x00 systems conform to the Sun-4u architecture and use flash PROMs. Flash PROMs enable the following:

- Reprogramming of specific code blocks
- Remote reprogramming of the PROM chip by a system administrator over a local area network

1.2 Reprogramming Security Features

To provide flash PROM reprogramming security, the system flash PROMs cannot be reprogrammed while the key switch is in the locked position. This feature can be augmented by removing jumper P0601 on the system clock board.

- With the jumper *installed*, the flash PROM *can* be reprogrammed.
- With the jumper *removed*, the flash PROM *cannot* be reprogrammed.

1.2.1 Checking for the Jumper

Note – FIGURE 1-2 shows a 16-slot system. Systems also come in 4-, 5- and 8-slot configurations.

1. Turn the key switch to the Standby position. (FIGURE 1-1).

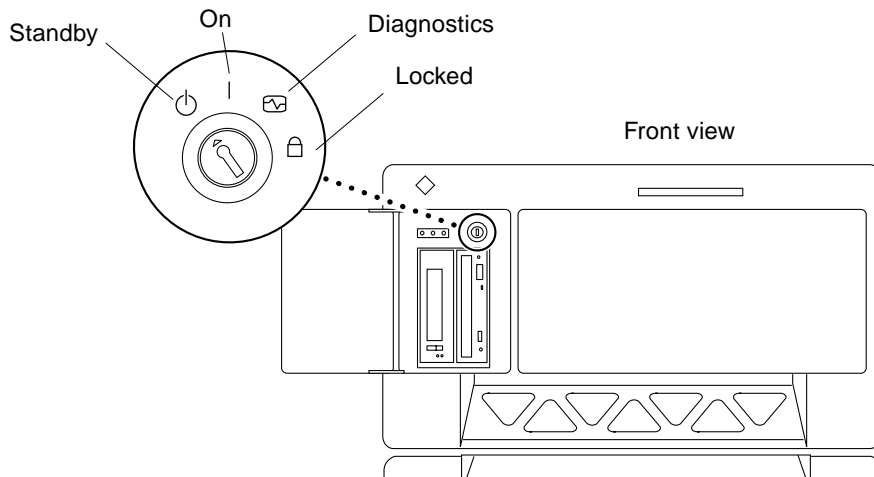


FIGURE 1-1 Key Switch Location

2. Locate the clock board in the system.

In 8- and 16-slot systems, it is the top board in the system (FIGURE 1-2). In 4- or 5-slot systems, it is the first slot on the right.



Caution – The clock board is not hot-pluggable. Do not remove the clock board until the system has been halted and powered off.



Caution – Use a grounding wrist strap to prevent static damage.

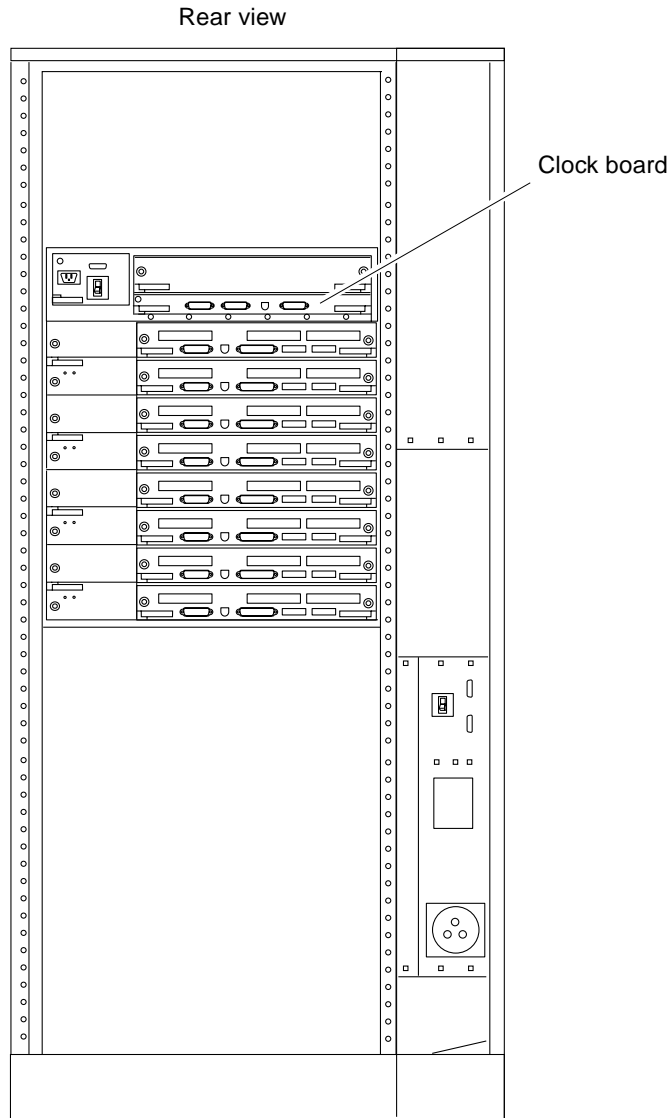


FIGURE 1-2 Sun Enterprise System

3. Remove the clock board from the system (FIGURE 1-3).

Refer to the clock board chapter in your systems reference manual for the detailed procedure.

4. **Locate and check the status of the P0601 jumper (FIGURE 1-3) on the clock board.**

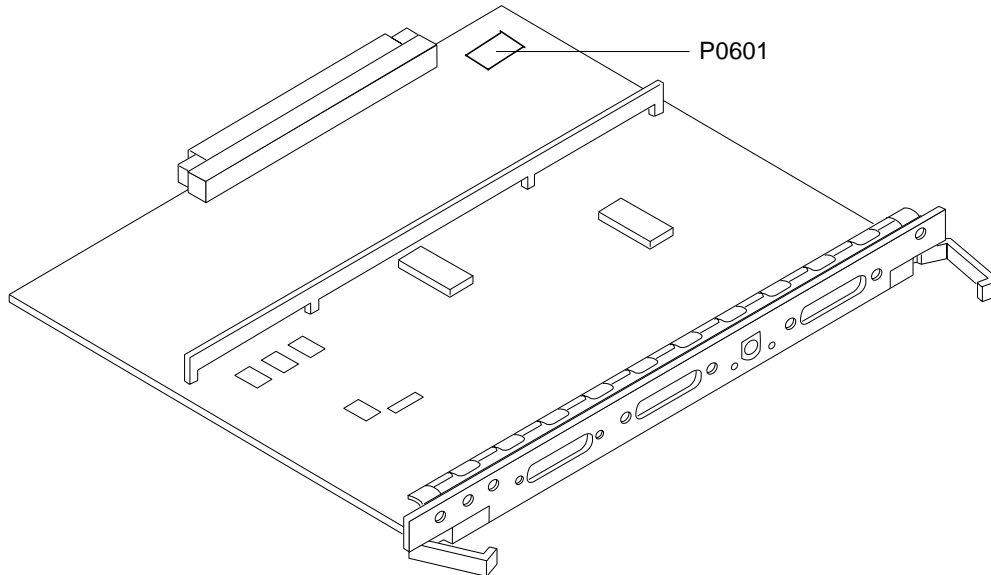


FIGURE 1-3 Jumper Location on Clock Board

- a. **If the jumper is in place, replace the clock board in the system.**
 - b. **If the jumper is not in place, install the P0601 jumper on to the clock board.**
Refer to your systems reference manual for the detailed procedure.
5. **Turn the key switch to the On or Diagnostics position (FIGURE 1-1).**
The system flash PROM can now be reprogrammed.