Configuring System Board

Pentium Jumpers (P5)

SW1				
Processor / Bus Speed (MHz)	S1	S2	S3	S4
90/60	ON	OFF	OFF	OFF
100/66	OFF	ON	OFF	OFF
100/50	ON	ON	ON	OFF
120/60	ON	OFF	ON	OFF
133/66	OFF	ON	ON	OFF
150/60	ON	OFF	ON	ON
166/66	OFF	ON	ON	ON
200/66	OFF	ON	OFF	ON

Jumpers		
Jumpers	Description	Function
E 8	Clear CMOS	Remove and Replace from 1-2
E 6	Password	Enable 5-6, Disable 6-7
E 9	External Battery Connector	on 9-12

Setting Power-On Password Jumpers

The Power-On Password feature is enabled or disabled by moving the plug on the E6 jumper located on the system board. The E6 jumper has three pins. The Power-On Password comes enabled by default with the plugs on pins 5 and 6. To clear or disable the Power-On Password, move the plug to pins 6 and 7.

NOTE: To set a new password, move the E6 jumper back to pins 5 and 6, restart the computer, and reestablish your password through Security Management.

Clearing Configuration (CMOS)

To clear and reset the configuration perform the following procedure:

1. Remove the E8 jumper from pins 1 and 2 for 60 seconds; then replace the jumper.
2. Turn the computer on.
3. Run the Computer Setup utility to reconfigure the system.

When jumper E8 is removed, the password becomes invalid because the password is stored in the configuration memory. You will need to reset the password.

Changing the Real-Time Clock (RTC) Battery

When installing the replacement RTC Battery, the battery connector is keyed and should be connected to the pins on the E9 battery header connector.

Pentium Pro Jumpers (P6)
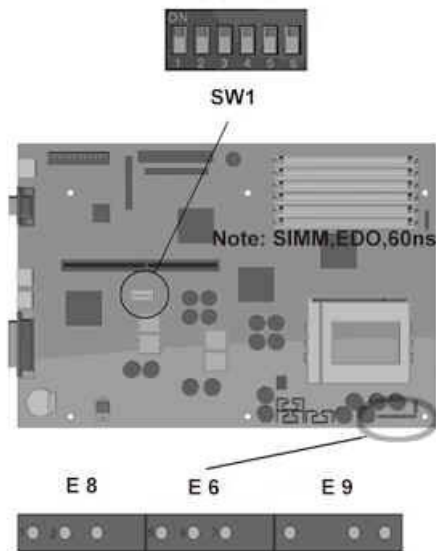
SW1						
Processor / Bus Speed (MHz)	S1	S2	S3	S4	S5	S6
180/60	ON	OFF	ON	ON	OFF	ON
200/66	OFF	ON	ON	ON	OFF	ON

Jumpers		
Jumpers	Description	Function
E 8	Clear CMOS	Remove and Replace from 1-2
E 6	Password	Enable 5-6, Disable 6-7
E 9	External Battery Connector	on 9-12

Setting Power-On Password Jumpers

The Power-On Password feature is enabled or disabled by moving the plug on the E6 jumper located on the system board. The E6 jumper has three pins. The Power-On Password comes enabled by default with the plugs on pins 5 and 6. To clear or disable the Power-On Password, move the plug to pins 6 and 7.

NOTE: To set a new password, move the E6 jumper back to pins 5 and 6, restart the computer, and reestablish your password through Security Management.

Clearing Configuration (CMOS)

To clear and reset the configuration perform the following procedure:

1. Remove the E8 jumper from pins 1 and 2 for 60 seconds; then replace the jumper.
2. Turn the computer on.
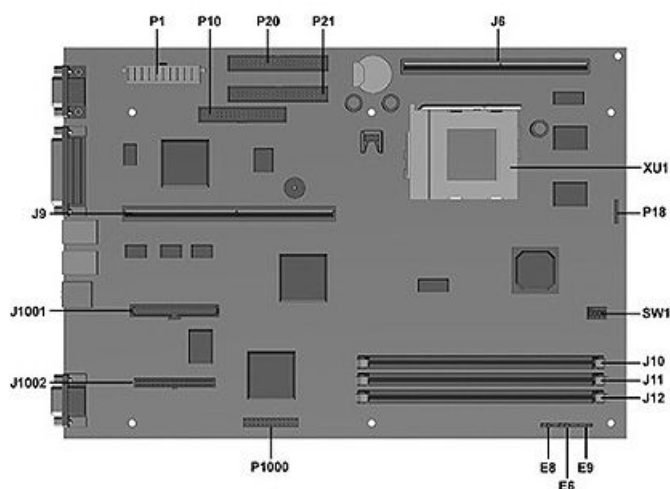3. Run the Computer Setup utility to reconfigure the system.

When jumper E8 is removed, the password becomes invalid because the password is stored in the configuration memory. You will need to reset the password.

Changing the Real-Time Clock (RTC) Battery

When installing the replacement RTC Battery, the battery connector is keyed and should be connected to the pins on the E9 battery header connector.

MMX Jumpers

System Board Connectors, Jumpers, and Switches	
Device	Description
E6	Power-on password enable/disable jumper
E8	Clear CMOS jumper
E9	External (replacement) battery
J6	Cache memory connector
J9	Riser board socket
J10	DIMM #0 socket
J11	DIMM #1 socket
J12	DIMM #2 socket
J1001	Graphics memory upgrade socket (used with J1002)
J1002	Graphics memory upgrade socket (used with J1001)
P1	Power connector
P10	Diskette cable socket
P18	LED socket
P20	Primary IDE/EIDE cable socket
P21	Secondary IDE/EIDE cable socket

	P1000	VESA socket
	SW1	Processor/bus speed selector
	XU1	Microprocessor socket

Switch Settings: The following table identifies the switch settings for each processor frequency for the Pentium-based system boards.

S1	S2	Bus Speed	S3	S4	Processor Speed**
OFF	ON	66*	OFF	OFF	233
OFF	ON	66*	OFF	ON	200
OFF	ON	66*	ON	ON	166

* Standard bus speed for all Compaq Deskpro 2000 Series of Personal Computers.
** With bus speed set to 66 MHz.

Possible Bus Speed Settings

S1	S2	Bus Speed
OFF	OFF	60
OFF	ON	66*
ON	OFF	50
ON	ON	reserved

* Standard bus speed for all Compaq Deskpro 2000 Series of Personal Computers.

System Board Jumpers

This section provides information for setting jumpers for enabling/disabling passwords and clearing the configuration (CMOS). When you change a security feature, you will need to reset a jumper and reconfigure the computer to recognize this change. If the system configuration is incorrect, your computer may not work properly and you may receive error messages on the screen. Setting the system board jumpers is part of the reconfiguration process, along with running the Computer Setup utility.

Setting Power-On Password Jumpers

The power-on password feature is enabled or disabled by moving the plug on the E6 jumper located on the system board. The E6 jumper has three pins. The power-on password comes enabled by default with the plug on pins 5 and 6. To clear or disable the power-on password, move the plug to pins 6 and 7.

To set a new password, move the E6 jumper back to pins 5 and 6, restart the computer, and reestablish your password through Security Management.

Clearing Configuration

The computer's configuration (CMOS) may occasionally be corrupted. If it does, it is necessary to clear the CMOS memory.

To clear and reset the configuration, perform the following procedure:

1. Remove the E8 jumper from pins 1 and 2 for 60 seconds; then replace the jumper.
2. Replace the cover and tighten the thumbscrews on the rear panel.
3. Turn the computer on.
4. Run the Computer Setup utility to reconfigure the system.
5. When jumper E8 is removed, the password becomes invalid because the password is stored in the configuration memory. You will need to reset the password.

### Changing the Real-Time Clock (RTC) Battery

When installing the replacement RTC Battery, the battery connector should be connected to the pins on the E9 battery header connector. The battery connector is keyed for proper installation.

PII Jumpers
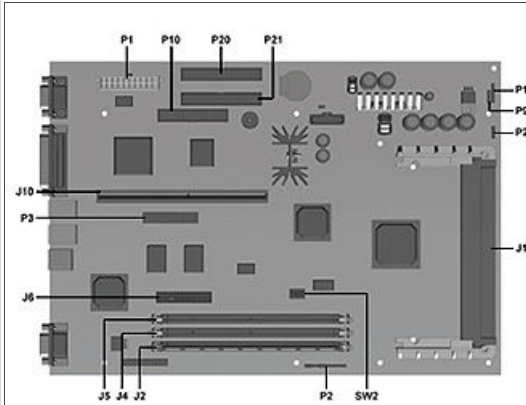
| Pentium II Connectors, Jumpers, and Switches ||
#	Description
J2	DIMM Slot 1
J4	DIMM Slot 2
J5	DIMM Slot 3
J6	Graphics memory upgrade socket (with P3)
J10	Riser board socket
J14	Microprocessor connector
P1	Power connector
P2	Clear CMOS/Power-on password /External battery connector
P3	Graphics memory upgrade socket (with J6)
P9	Fan connector
P10	Diskette cable connector
P11	LED connector
P20	Primary IDE/EIDE cable connector
P21	Secondary IDE/EDIE cable connector
P22	Alternate fan connector (Intel boxed processor)
SW2	Processor speed selector
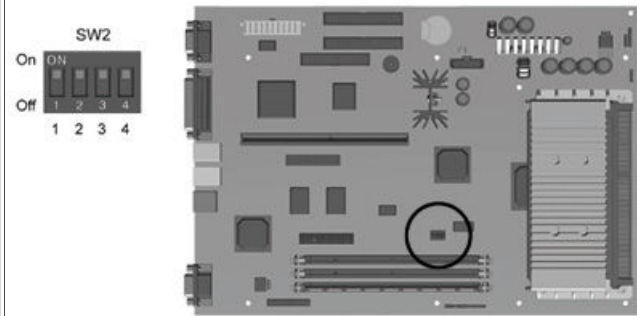
| Pentium II Processor Speed Switch Settings |||||
S1	S2	S3	S4	Processor Speed
ON	ON	OFF	OFF	233
ON	OFF	ON	ON	266
ON	OFF	ON	OFF	300
Note: The bus speed is hard wired to 66 MHz.				

System Board Jumpers

This section provides information for setting jumpers for enabling/disabling passwords and clearing the configuration (CMOS). When you change a security feature, you will need to reset a jumper and reconfigure the computer to recognize this change. If the system configuration is incorrect, your computer may not work properly and you may receive error messages on the screen. Setting the system board jumpers is part of the reconfiguration process, along with running the Computer Setup utility.

Setting Power-On Password Jumpers

The power-on password feature is enabled or disabled by moving the jumper on the password header located on the system board. The password header is labeled "Password" on the Pentium II system board. The password header has three pins. The power-on password comes enabled by default with the jumper on pins 5 and 6. To clear or disable the power-on password, move the jumper to pins 6 and 7.

Password Header Location, Pentium II System Board
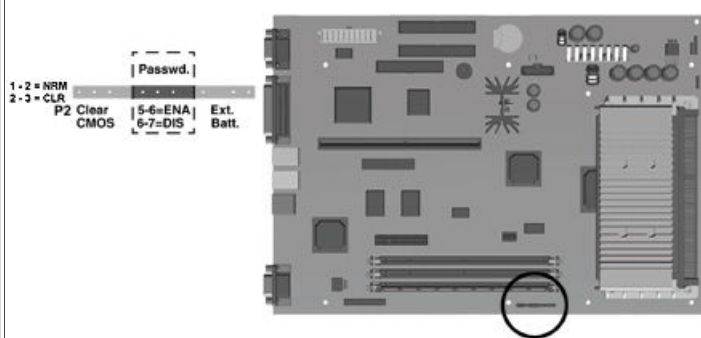
To set a new password, move the password header back to pins 5 and 6, restart the computer, and reestablish your password through Security Management.

Clearing Configuration

The computer's configuration memory (CMOS) may occasionally be corrupted by static electricity. This happens very rarely. When it does occur, it is usually due to software or hardware that is not executing accurately or by adding or removing expansion boards to or from the computer. If the computer's configuration memory becomes corrupted, it is necessary to clear the configuration memory.

To clear and reset the configuration memory:

Be sure the computer is powered off before beginning this procedure.

1. Locate the appropriate jumper. For Pentium systems, this jumper is labeled E8. For Pentium II systems, it is labeled P2.

2. Remove the plug from pins 1 and 2, place it on pins 2 and 3, then return it to pins 1 and 2.

Locating the E8 Jumper on the Pentium System Board Locating the P2 Jumper (Pins 1-3) on the Pentium II System Board

Clear CMOS Header Location, Pentium II System Board
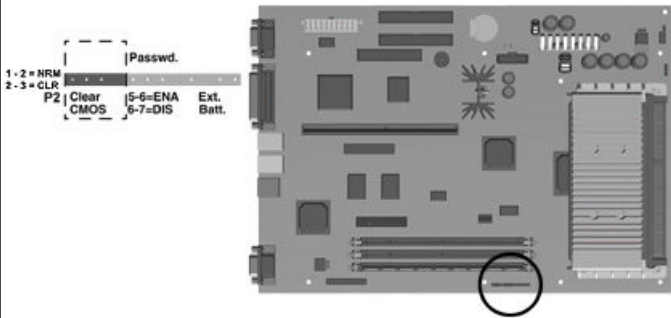
3. Replace the cover and tighten the thumbscrews on the rear panel.

4. Turn the computer on.

5. Run the Computer Setup utility to reconfigure the system.

When jumper on the clear-CMOS header is removed, the password becomes invalid because the password is stored in the configuration memory. You will need to reset the password.

Changing the Real-Time Clock (RTC) Battery

When installing the replacement RTC battery, the battery connector should be connected to the pins of the battery connector on the system board. The battery connector is labeled "Ext. Batt." on the Pentium II system board. The battery connector is keyed for proper installation.

Deskpro 2000 Riser Card

Slots (Riser Card)	
2000 Desktop	2000 Minitower
2 PCI, 1 Combo, and 2 ISA slots.	

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