

Note: Refer to Faxback Doc. # 1513 for Video Board Layout.

#### Video Upgrade:

Note: Video Upgrade Cat. # 25-1082A is available through your Radio Shack Store. You must use the 25-1082A kit that is 70ns. Instruction on how to install this kit is included in the Video Upgrade.

#### Setting the Video Board Jumpers:

This section explains how to change the operation of the VGA 1024 NI Adapter by re-installing the jumpers and changing the settings of the DIP switches.

Note: A jumper is a cover that contains metal contacts. A jumper is installed when placed over two jumper pins on a circuit board to connect or bypass a circuit. A jumper can also be parked or removed.

Note: If you experience screen data loss, you might need to remove Jumper W2. Some computers do not support zero wait states.

Jumper settings and their functions are listed in the following table:

Jumper	Setting	Function
W1	Installed*	512KB of video memory installed.
	Not Installed	1024KB of video memory installed.
W2	Installed*	Generate zero wait state for high performance.
	Not Installed	Do not generate zero wait state

\* Indicates factory setting.

#### Dip Switch Settings:

Note: Refer to Faxback Doc. # 1599 for Main Logic Board Layout.

Five DIP switches are located below the video connector on the adapter, where they are easily accessible from the rear of the computer when the adapter is installed.

A switch is off when in the left position, on when in the right position.

CAUTION: Incorrect settings can cause a computer malfunction or a decrease in performance.

Some switches are sensed only when you turn on the computer, so always turn off the computer before changing switch settings. To change a switch setting, use a pencil or other pointed instrument to push the switch to the left or right. The switch will snap into position.

Dip switch settings and their functions are listed in the following tables.

Switches 1 AND 2 (Maximum Resolution 800 X 600)

Switch 1	Switch 2	Maximum Monitor Frequency
OFF*	OFF*	56 Hz
ON	OFF	72 Hz
OFF	ON	60 Hz
ON	ON	56 Hz (Same as OFF,OFF)

\* Indicates factory setting

Switches 3 and 4 (Maximum Resolution 1024 X 768)

Switch 3	Switch 4	Maximum Monitor Frequency
OFF*	OFF*	Interlaced
ON	OFF	70 Hz
OFF	ON	60 Hz
ON	ON	Interlaced (same as OFF,OFF)

\* Indicates factory setting

SWITCH 5 (TIMING FOR STANDARD MODES, 0 TO 13)

OFF*	31.5 KHz horizontal scan rate
ON	40 KHz horizontal scan rate

\* Indicates factory setting

Settings for the Video on the Main Logic Board:

Note: Refer to Faxback Doc. # 1599 for Main Logic Board Layout.

The main logic board of your computer has a set of four switches. Use a pen or other pointed object to set the switches.

Switches 1 and 2 indicate the type of processor installed and switch 3 is used to indicate the type of video display adapter installed (monochrome or color). The default setting is ON (color). Change the setting to OFF only if you install a monochrome display adapter as the primary video display adapter. Use a pen or other pointed object to set the switch.

Switch 4 is reserved.

Switch settings are shown in the following tables:

Processor	SWITCH 1	SWITCH 2	SOCKET
486SX	OFF	OFF	U54
486DX	ON	OFF	U54
487SX	ON	ON	U54
486 Overdrive	ON	ON	U54
486DX2/ODPR*	ON	OFF	U54

* Indicates default setting.	
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Video switch settings on the Main Logic Board are shown in the following table:

SWITCH 3	DISPLAY ADAPTER TYPE
ON	color*
OFF	monochrome
* Indicates default setting.	

Serial Port Address Information:

COM A (Serial Port A):

Port Select	Port Address	Interrupts
COM1	3F8-3FF	IRQ4
COM3	3E8-3EF	IRQ4 or IRQ11

COM B (Serial Port B):

Port Select	Port Address	Interrupts
COM2	2F8-2FF	IRQ3
COM4	2E8-2EF	IRQ3 or IRQ10

(jjs-11/07/94)