

# **6120/6130**

**SYSTEM INSTALLATION**

*First Printing NOV 1984  
Revised MAR 1985*

**WARNING**

This equipment generates, uses, and can radiate radio frequency energy and if not installed and used in accordance with the instruction manual, may cause interference to radio communications. It has been tested and found to comply with the limits for Class A computing devices pursuant to Subpart J of Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference when operated in a commercial environment. Operation of this equipment in a residential area is likely to cause interference in which case the users at their own expense will be required to take whatever measures may be required to correct the interference.

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# **Revision**

## **INFORMATION**


**PRODUCT: 6120/6130 Intelligent Graphics Workstation**

This manual supports the following versions of this product: B010100

REV DATE	DESCRIPTION
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# Safety Summary

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## ***Symbols on Equipment***



ATTENTION — refer to manual.

## ***Terms***

### ***In This Manual***

CAUTION statements identify conditions or practices that can result in damage to equipment or other property.

### ***Marked on Equipment***

CAUTION indicates a personal injury hazard not immediately accessible as one reads the marking, or a hazard to property including the equipment itself.

## ***Use the Proper Power Cord***

Use only the power cord and connector specified for your product.

Use only a power cord that is in good condition.

Refer cord and connector changes to qualified service personnel.

## ***Power Source and Ground***

The 6100 and 6200 Series workstations are designed with a protective ground connection in the Tektronix-supplied power cord. A protective ground connection by way of the grounding connector in the power cord is essential for safe operation. To avoid electrical shock, plug the power cord into a properly wired outlet.

This product is designed to operate from a power source that does not apply more than 250 volts rms between the supply conductors or between either supply conductor and ground.

## ***Use Care When Accessing Back Panel***

When you access the back panel (to change boards, attach connectors, check line voltage or configuration switch settings, or whatever) FOLLOW ALL DIRECTIONS CAREFULLY. Always shutdown and unplug the system at the point and in the manner that the instructions describe.

## ***Do Not Remove Covers or Panels***

To avoid personal injury, do not remove the workstation's covers or panels, unless instructed to do so by the manual. Do not operate the workstation without the cover and panels properly installed.

# General Information

## Introduction

This manual provides the procedure for installing a Tektronix 6120 or 6130 Intelligent Graphics Workstation.

The manual is organized into these sections:

- General Information — A brief overview of the product.
- Specifications — Electrical, mechanical, and environmental specifications for the workstation.
- Preparation for Installation — Criteria for setting up the workstation.
- System Start-up — How to start up the workstation using an RS-232-C terminal.

Allow approximately 30 minutes to complete the installation procedure.

## Product Description

### 6130

The Tektronix 6130 Intelligent Graphics Workstation is a desktop system that provides extended I/O capabilities and extensive mass storage. This system features full UTek (a UNIX-based operating system) with C and supports a variety of programming languages and program development tools. The 6130 comes standard with two RS-232-C ports, one GPIB port (IEEE 488-1978), and one Local Area Network port (IEEE 802.3). A variety of enhancement products are available to increase the I/O capabilities of the workstation. Applications for the 6130 include engineering design tasks such as microprocessor software development, project management, technical computing, documentation, and instrument control.

A typical workstation consists of the standard system enclosure plus an optional 6100 Series display or terminal, as shown in Figure 1-1. The system enclosure comes standard with 1 Mbyte of RAM, a 20 Mbyte Winchester hard disk drive (40 Mbyte and 80 Mbyte hard disks optional), a 360 kbyte flexible disk drive, and a Floating Point Unit for high speed floating point operations. Extensive documentation is included, as well as backup utilities on diskettes for the UTek operating system. The optional display (color or monochrome) includes a monitor, keyboard, and mouse.



## **6120**

The Tektronix 6120 is an advanced scientific desktop workstation. The 6120 uses Tektronix ANSI BASIC language with an underlying mini-UTek operating system. The workstation is normally in BASIC text editing mode, which lets the operator create BASIC programs. This mode can be exited and the operator can use mini-UTek commands. The 6120 comes standard with two RS-232-C ports, one GPIB port (IEEE 488-1978), and one Local Area Network port (IEEE 802.3). A variety of enhancement products are available to increase the I/O capabilities of the workstation. The 6120 has been designed for general purpose applications such as instrument control, statistical analysis, data presentation, and graphics.

A typical workstation consists of the standard system enclosure plus an optional 6100 Series display or terminal, as shown in Figure 1-1. The system enclosure comes standard with 1 Mbyte of RAM, a 10 Mbyte Winchester hard disk drive (20 Mbyte and 40 Mbyte hard disks optional), a 360 kbyte flexible disk drive, and a Floating Point Unit for high speed floating point operations. Extensive documentation is included, as well as backup utilities on diskettes for the UTek operating system. The optional display (color or monochrome) includes a monitor, keyboard, and mouse.

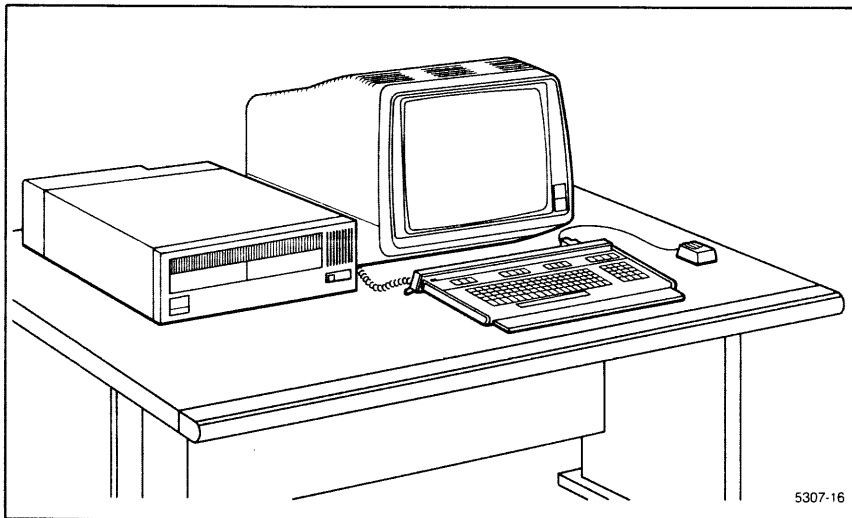


Figure 1-1. 6120/6130 Intelligent Graphics Workstation.

**CAUTION**

*The back panel of the system enclosure is covered by a plastic shroud called the cable management cover. DO NOT LIFT THE SYSTEM ENCLOSURE BY GRASPING THE CABLE MANAGEMENT COVER. The cover may come open accidentally and cause you to drop the workstation.*

## Indicators

The workstation has the following indicators:

- *Start/Stop Switch Light* — The start/stop switch on the front panel has a green light that comes on when the switch is pressed. The light is under software control and indicates that the computer board is operating. When the start/stop switch is released (that is, when the workstation is turned off), the workstation goes through a *soft power-down* sequence, which means that the computer board performs a number of file management tasks before allowing the power supply to disengage. After the start/stop switch is released, the workstation takes several seconds to a few minutes before the power actually goes down. During a soft power-down sequence, the start/stop switch light either stays on or blinks. If the light remains off when the start/stop switch is pressed in, the computer board is not working properly.
- *Computer Board Diagnostic LED* — This seven segment LED on the workstation back panel (see Figure 1-2) displays a diagnostic code when the computer board fails. During normal start-up, the LED shows the following:
  1. The LED initially displays a quick succession of numbers. These correspond to diagnostic tests being done on the internal circuits.
  2. A few seconds later, the LED turns off.
  3. A few seconds later, the LED displays a slow, counterclockwise rotating pattern.
  4. About 60 seconds later, the LED displays a rapidly rotating pattern. This pattern continues until the workstation is shut down.

When a failure occurs, the LED displays a single, unmoving pattern. This pattern can be interpreted by the service technician to help determine the cause of the failure.

- **Display Board Diagnostic LED** — This LED is also on the workstation back panel (see Figure 1-2). It is a single LED that lights up when the display board fails. If your workstation is not equipped with a 6100 Series display, this LED is not present.
- **Line Voltage Indicator** — This yellow plastic indicator is located on the workstation back panel just above the power cord connection (see Figure 1-2). The indicator should match the line voltage setting for the workstation.

**CAUTION**

*Changing the position of the line voltage indicator does not change the line voltage setting for the workstation. Only qualified service personnel should change the line voltage setting. Service personnel should see the 6100 System Enclosure Service manual, Section 3, to change the line voltage setting.*

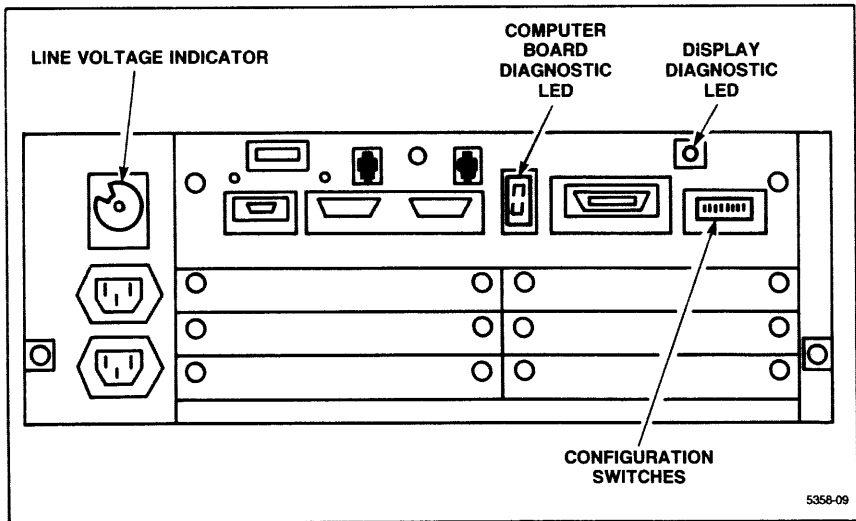


Figure 1-2. Back Panel of the Workstation.

## Controls

The workstation has the following controls:

- *Start/Stop Switch* — The start/stop switch turns the workstation on and off. The switch is actually under software control. It is not directly connected to the power supply and does not directly engage the power supply. Pressing the switch initiates a sequence that turns on the power supply; releasing the switch turns off the power supply. Since the power supply uses a *soft power-down* sequence, it may take several seconds to disengage after the start/stop switch is released.
- *Computer Board Configuration Switches* — The configuration switches are located on the workstation back panel (see Figure 1–2). They are used to set certain test and operating parameters for the computer board. Refer to Section 3 of this document for the typical settings. For more information about the configuration switches, see the *6120 and 6130 System User's Guide*, Section 4 (for both manuals). Service personnel can also refer to the *6100 Series Computer Board Service* manual, Section 6, and the *6100 Series Diagnostics* manual, Sections 3 and 5 for complete information.

# Specifications

This section summarizes the operating specifications for the 6120 and 6130 workstations. The tables do not include information for the 6100 Series displays. See the Display Installation or Service documentation for display specifications.

**Table 2-1**  
**ELECTRICAL SPECIFICATIONS (SYSTEM ENCLOSURE)**

Characteristic	Specification
Input Voltage	115 Vac 230 Vac
Input Frequency	48-66 Hz
Power Draw from wall outlet	445 watts maximum (including Accessory Outlet)
AC Power, Accessory Outlet	200 watts maximum output

**Table 2-2**  
**MECHANICAL SPECIFICATIONS (SYSTEM ENCLOSURE)**

Characteristic	Specification
Height	6.1 inches (15.49 cm)
Width	16.84 inches (42.77 cm)
Depth	23.9 inches (69.7 cm)
Net Weight	20 lbs. (9.09 kg) (approximate)

**Table 2-3**  
**ENVIRONMENTAL SPECIFICATIONS (SYSTEM ENCLOSURE)**

Characteristic	Specification	
Temperature	Nonoperating	-8° to + 117° F (-22° to +47° C)
	Operating	+50° to +109.4° F (+10° to +43° C)
Humidity	Nonoperating	10% to 80% noncondensing
	Operating	20% to 80% noncondensing
Altitude	Nonoperating	to 50,000 feet (15,240 meters)
	Operating	to 15,000 feet (4572 meters)

---

# Preparation for Installation

This section outlines how to prepare a workstation for system start-up. This section includes these headings:

- **Site Criteria** — Considerations for choosing an installation site.
- **Inventory/Inspection** — Making sure all components are included and undamaged.
- **Hardware Preparation** — How to assemble the components and prepare for power-up.



**CAUTION**

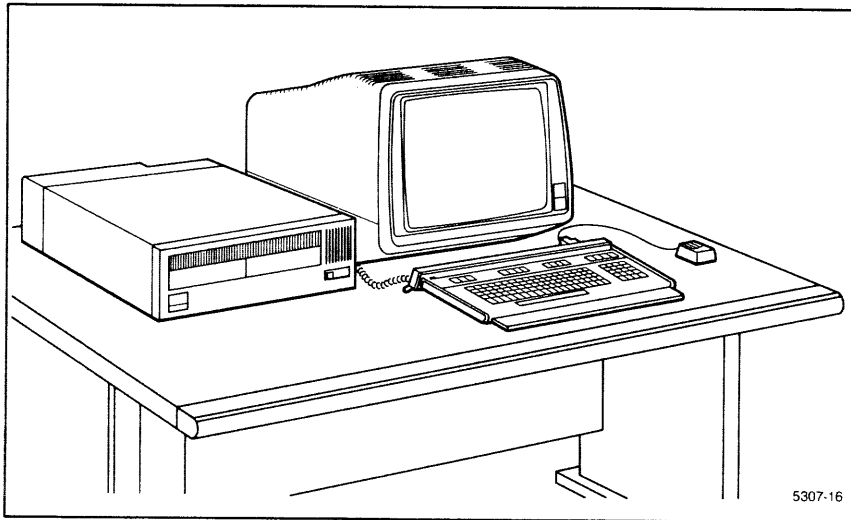
*The back panel of the system enclosure is covered by a plastic shroud called the cable management cover. DO NOT LIFT THE SYSTEM ENCLOSURE BY GRASPING THE CABLE MANAGEMENT COVER. The cover may come open accidentally and cause you to drop the workstation.*

## **Site Criteria**

The workstation has the following choices for displays:

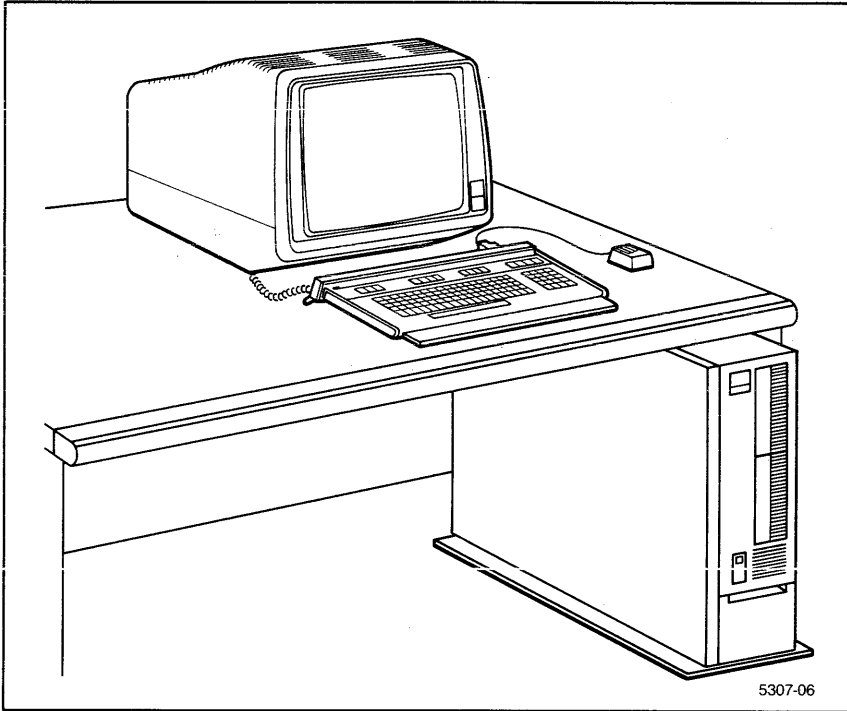
1. A 6100 Series display, which consists of a monitor (color or monochrome), a keyboard, and a mouse.
2. A separate RS-232-C terminal, such as a Tektronix 4105, 4107, or other product.
3. No display.

Section 4 of this manual explains how to start up the workstation using an RS-232-C terminal. The start-up procedure for a workstation with a 6100 Series display is explained in a separate manual included with the display. The workstation and display can be set up a number of ways. Figure 3-1 shows a typical arrangement.



**Figure 3-1. 6120/6130 Desktop Arrangement.**

The 6120 or 6130 can be ordered with an optional floor stand as shown in Figure 3-2. The steps for assembly are found in a separate procedure included with the floor stand kit.



**Figure 3-2. 6120/6130 Optional Floor Stand.**

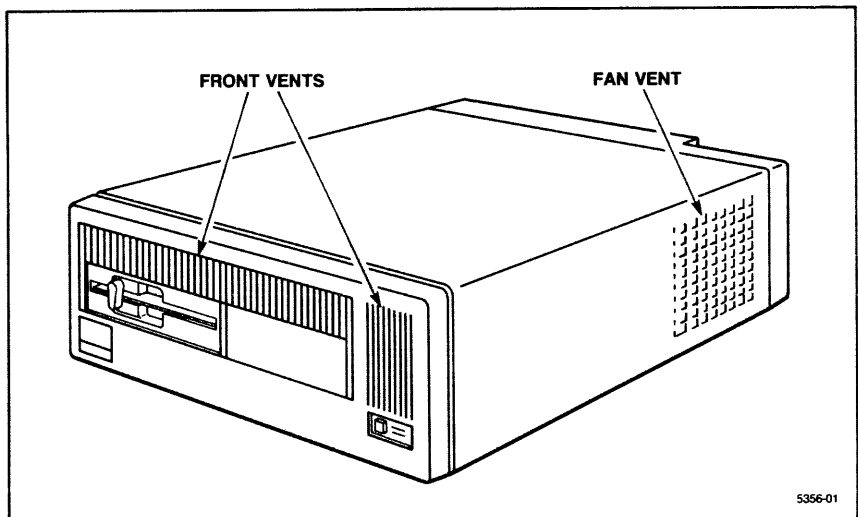


Section 2 of this manual contains the physical dimensions of the workstation. The location chosen for the workstation should have sufficient room to accommodate these dimensions. Other considerations regarding space requirements are:

- **Adequate ventilation** — There must be adequate room for airflow around the workstation. Inadequate airflow could result in the system overheating and could eventually cause a failure. Do not block the front vents. Also, leave at least 6 inches of clearance around the fan vent on the right side of the cabinet (see Figure 3-3).
- **Proximity of peripherals** — The workstation must be close enough to any peripheral devices that attach to the workstation. Some peripheral interfaces, such as GPIB, have a limited maximum cable length.
- **Minimal cable stress** — The workstation should not be situated where attached cables and connectors are under stress.

The following environmental considerations should also be taken into account:

- **Temperature** — Be sure the workstation is not located near a source of high heat (such as a heater) or cold. The environment around the workstation should conform to the limits stated in Table 2-3.
- **Humidity** — Avoid conditions of high humidity. The environment around the workstation should conform to the limits stated in Table 2-3.



**Figure 3-3. Air Vents in the System Enclosure.**

## Inventory/Inspection

Before installing the workstation, first check that no shipping damage has occurred. Inspect the package for the following problems:

- Crushed, torn, or punctured sides
- Water damage

Check the contents of the package for the following problems:

- Dented, misshapen cabinet or housing
- Other obvious signs of damage
- Missing accessories. Figure 3-4 shows the standard components included with a 6120 workstation. Figure 3-5 shows the standard components included with the 6130 workstation. Table 3-1 summarizes the accessories for all of the enhancement products. If your workstation was ordered with enhancements, use this checklist to verify that all components are present. Table 3-2 summarizes miscellaneous accessories that can be ordered with the workstation. Use these figures and tables to verify that all the components for your workstation have been received.

If any components are missing or defective, contact your Tektronix Field Office.

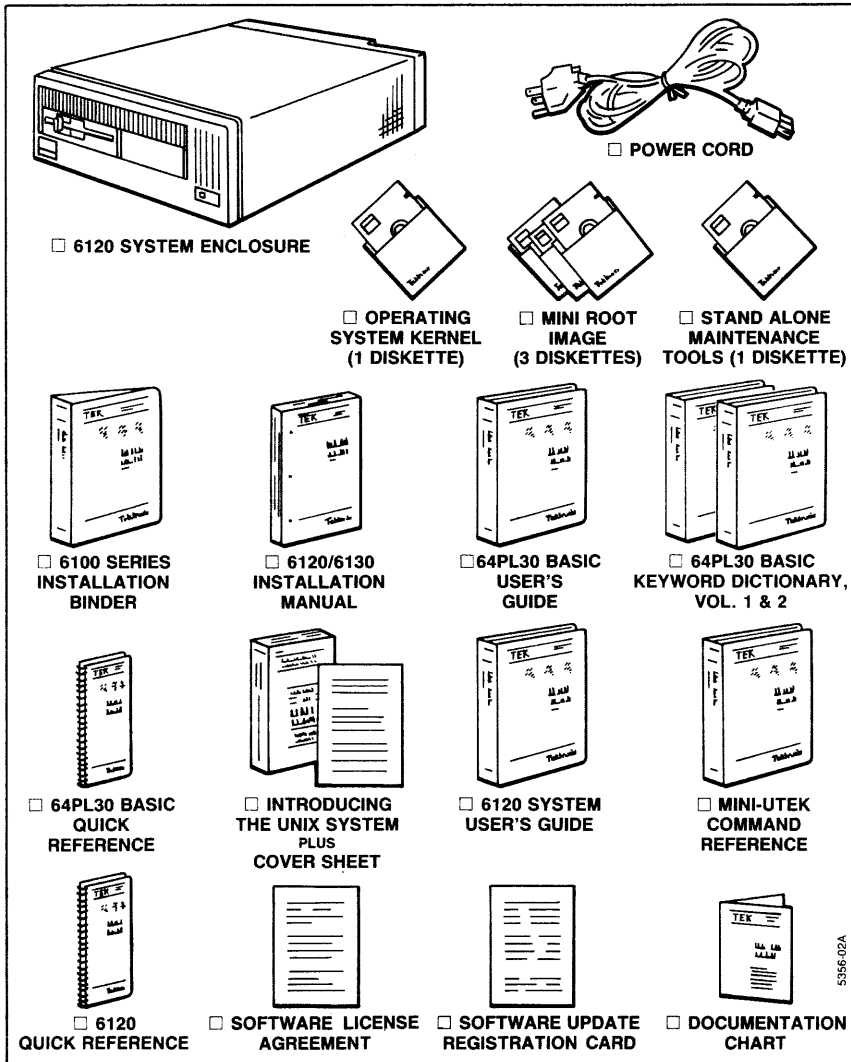
### NOTE

*The five diskettes included in the standard accessories are not needed during normal start-up. These are backup utilities for the UTek operating system. Store them in a safe place. See the 6130 System Administration manual Section 1 for more information.*

Save the packing material in which the workstation was shipped. In case of a system failure, the packing material can be used to ship the workstation to your Tektronix Field Office.



*The workstation contains circuit boards that are static sensitive. If any of the circuit boards are removed from the backplane or the interior, care should be taken to protect the boards from static electricity. Contact your local Tektronix Field Office for assistance. If care is not taken, damage can occur to the circuit boards.*



5356-02A

Figure 3-4. Accessories Included with the 6120 Workstation.

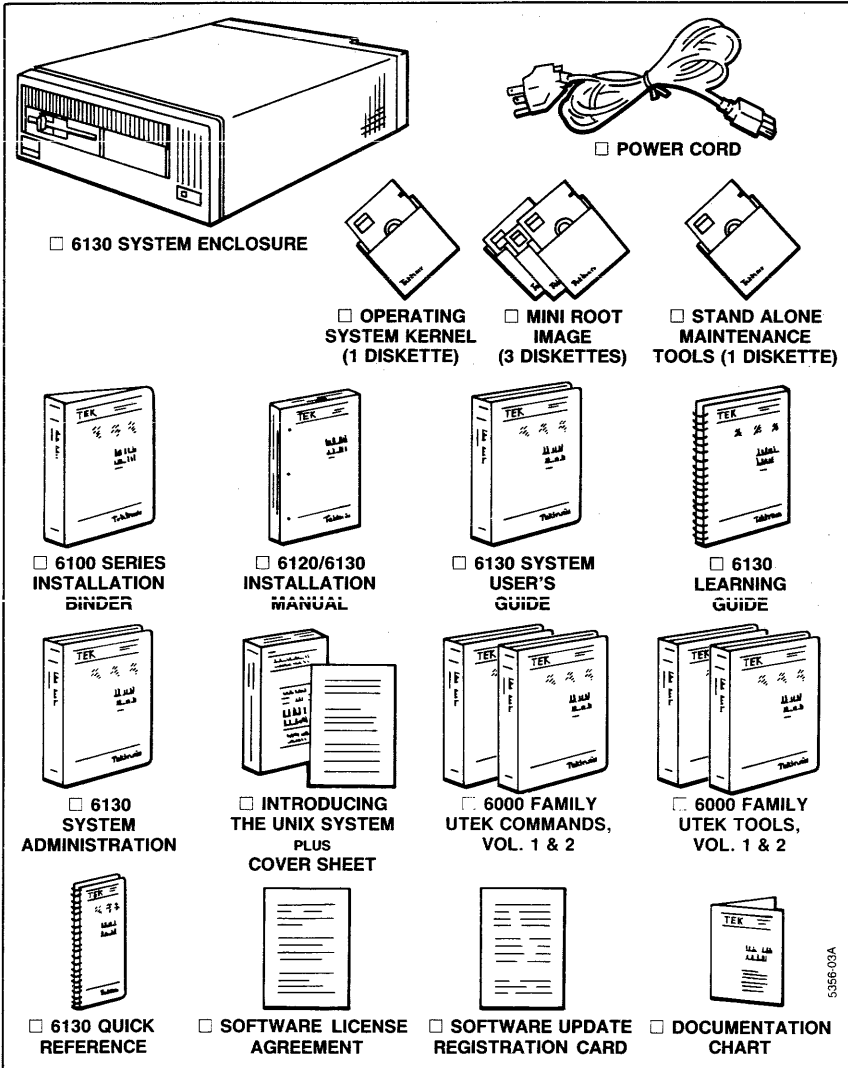


Figure 3-5. Accessories Included with the 6130 Workstation.

**Table 3-1  
ENHANCEMENT ACCESSORIES**

Enhancement	<input type="checkbox"/>	Standard Accessories	<input type="checkbox"/>	Optional Accessories
<b>61MP01 512 kbyte Expansion Memory</b>	<input type="checkbox"/>	070-5358-00 Installation manual	<input type="checkbox"/>	070-5334-0 Service manual
<b>61MP02 1 Mbyte Expansion Memory</b>	<input type="checkbox"/>	070-5358-00 Installation manual	<input type="checkbox"/>	070-5334-0 Service manual
<b>61MP03 2 Mbyte Expansion Memory</b>	<input type="checkbox"/>	070-5358-00 Installation manual	<input type="checkbox"/>	070-5334-0 Service manual
<b>61KP01 Hard Copy Interface</b>	<input type="checkbox"/>	012-1093-00 cable, 20 ft. 070-5359-00 Installation manual	<input type="checkbox"/>	070-5335-00 Service manual
<b>61KP02 General Purpose Parallel Interface</b>	<input type="checkbox"/>	012-1092-00 cable, 10 ft. 070-5360-00 Installation manual	<input type="checkbox"/>	070-5336-00 Service manual
<b>61KP03 High Speed GPIB Interface</b>	<input type="checkbox"/>	070-5361-00 Installation manual	<input type="checkbox"/>	012-1015-00 ½ meter cable 012-0630-01 2 meter cable 012-0630-04 4 meter cable 012-0991-01 1 meter low EMI cable 012-0991-00 2 meter low EMI cable 012-0991-04 4 meter low EMI cable 070-5337-00 Service manual
<b>61KP04 SCSI Mass Storage Interface</b>	<input type="checkbox"/>	012-1092-00 cable, 10 ft. 070-5321-00 Installation manual	<input type="checkbox"/>	070-5338-00 Service manual
<b>61PC01/02 PC Coprocessor (I and II)</b>	<input type="checkbox"/>	070-5325-00 Installation manual	<input type="checkbox"/>	070-5346-00 Service manual
<b>61TC01 Streaming Cartridge Tape Drive</b>	<input type="checkbox"/>	070-5343-00 Instruction manual	<input type="checkbox"/>	070-5343-00 Service manual

**Table 3-2**  
**6100 SERIES ACCESSORIES**

Type of Accessory	✓	Options	
Manuals	<input type="checkbox"/>	070-5330-00	6100 Series OEM System Integration manual
	<input type="checkbox"/>	070-5498-00	6100 Series LAN Planning
	<input type="checkbox"/>	070-5348-00	6100 Series Diagnostics manual
	<input type="checkbox"/>	070-8076-00	6100 Series Service manual
Magnetic Media	<input type="checkbox"/>	119-1583-00	5.25 inch Flexible Diskette (360 kbyte), single
	<input type="checkbox"/>	119-1583-01	5.25 inch Flexible Diskette (360 kbyte), pack of 10
	<input type="checkbox"/>	119-1692-00	5.25 inch Alignment Diskette (360 kbyte)
Miscellaneous Accessories	<input type="checkbox"/>	016-0791-00	Ergonomic Table
	<input type="checkbox"/>	016-0698-00	Ergonomic Chair
	<input type="checkbox"/>	016-0804-00	Floor Stand, 6100 Series
	<input type="checkbox"/>	016-0821-00	Swivel and Tilt Display Stand
	<input type="checkbox"/>	012-1089-00	Display cable, 1.5 m
	<input type="checkbox"/>	012-1091-00	Display cable, 5.0 m

## **Hardware Preparation**

The following paragraphs outline steps for preparing the workstation for installation. The steps for installation are divided into these parts:

- Switch and jumper configuration
- Removal of protective devices
- Optional floor stand assembly

### **Switch and Jumper Configuration**

The workstation has a set of switches on the back panel called Computer Board Configuration Switches (see Figure 3-7). These are used to set certain test and operating parameters for the computer board. You access the switches by raising the cable management cover, which is the plastic shroud covering the workstation back panel. To open the cover, first release the latch as shown in Figure 3-6, then rotate the cover upward.

Figure 3-8 shows the typical switch settings for either a 6100 Series display or an RS-232-C terminal to function as the system console. These switch positions set the baud rate at 9600 for both the 6100 Series display and the RS-232-C terminal. For the RS-232-C terminal setting, the terminal must be connected to port 1 on the workstation back panel (see Figure 3-7).

#### *NOTE*

*The configuration switches resemble the GPIB address switches found on earlier Tektronix instruments. The switches on the back panel relate to the computer board and have no connection with the GPIB port.*

There are no other switches or jumpers to configure.

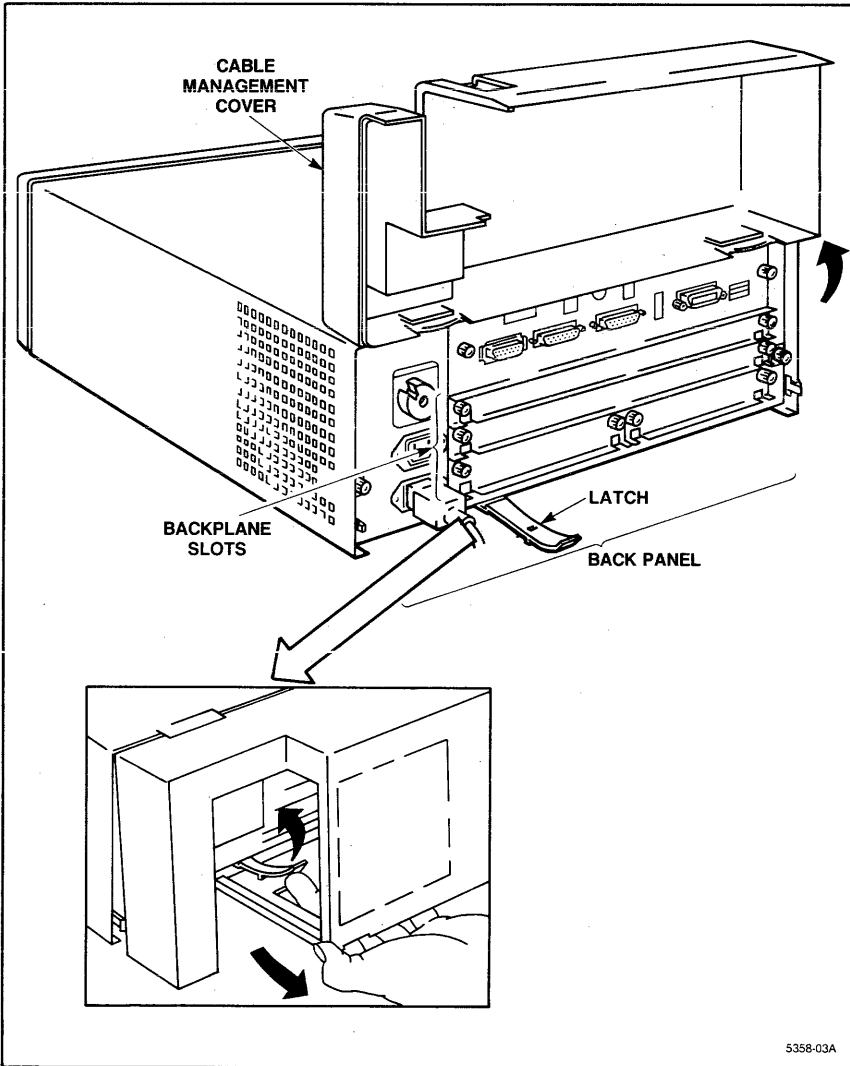


Figure 3-6. Opening Cable Management Cover.



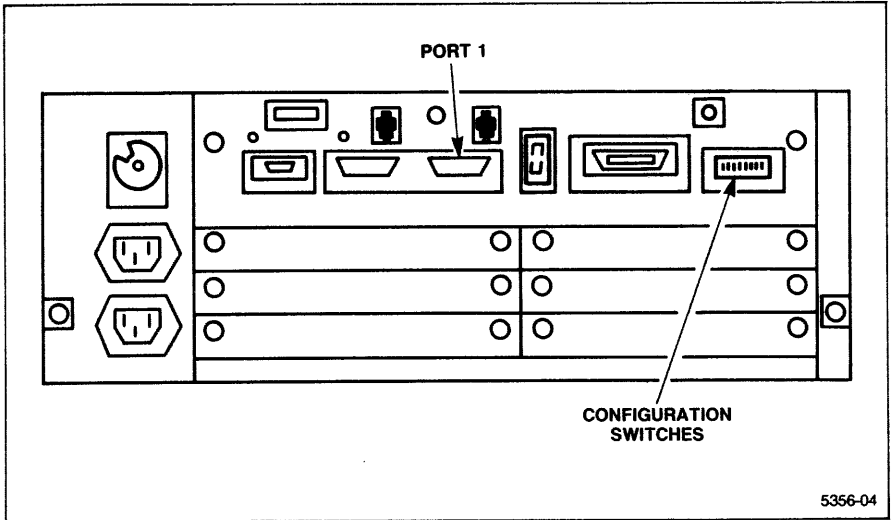


Figure 3-7. Location of Configuration Switches.

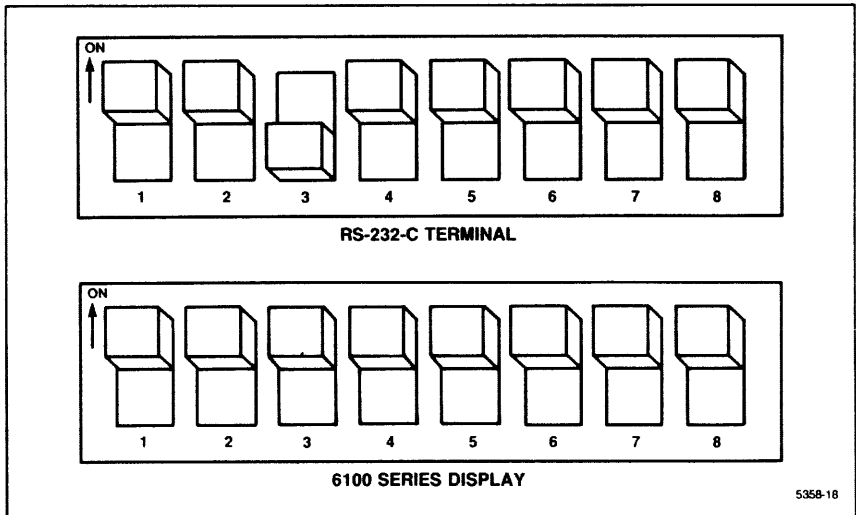


Figure 3-8. Configuration Switch Settings.

## Removal of Protective Devices

The flexible disk drive has a protective card inserted into the slot. This card protects the heads and other parts from damage during shipment. To remove the card, open the latch on the diskette drive on the front panel of the workstation and remove the card as shown in Figure 3-8. Leaving the protective card in the diskette drive does not interfere with the operation of the workstation.

There are no other protective devices to be removed.

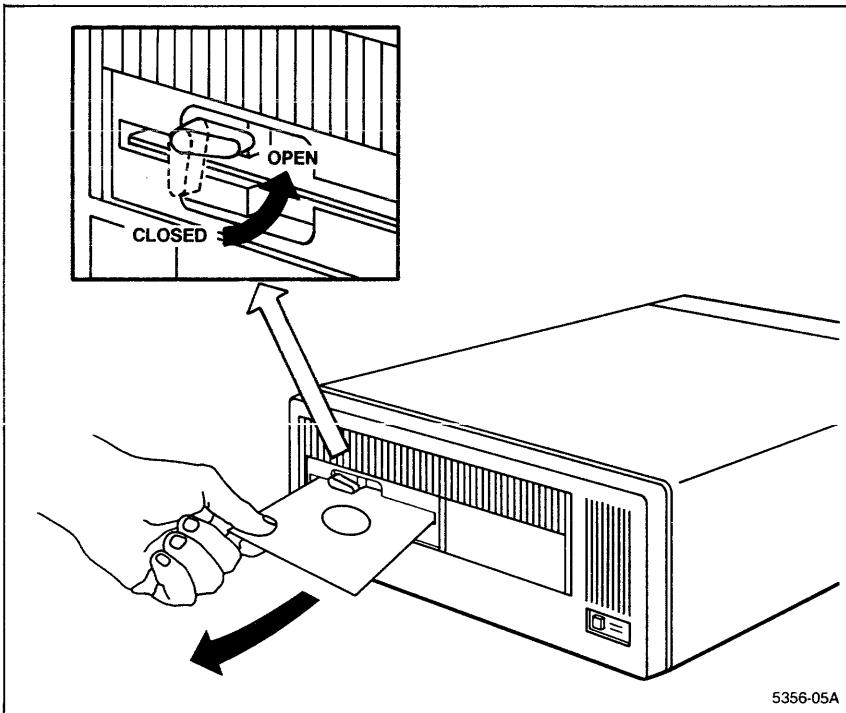


Figure 3-9. Removing Protective Card from Flexible Disk Drive.

## **Optional Floor Stand**

The workstation can come with an optional floor stand (as pictured in Figure 3-2). If you ordered the floor stand and intend to use it now, the stand should be assembled before continuing with the installation procedure. Refer to the procedure included with the floor stand kit.

After the floor stand is assembled (or if no floor stand is to be used), go on to Section 4 to complete the workstation installation.

### *NOTE*

*If your workstation was ordered without any display, you must obtain an RS-232-C terminal and follow the steps listed in Section 4 System Start-up.*

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# System Start-Up

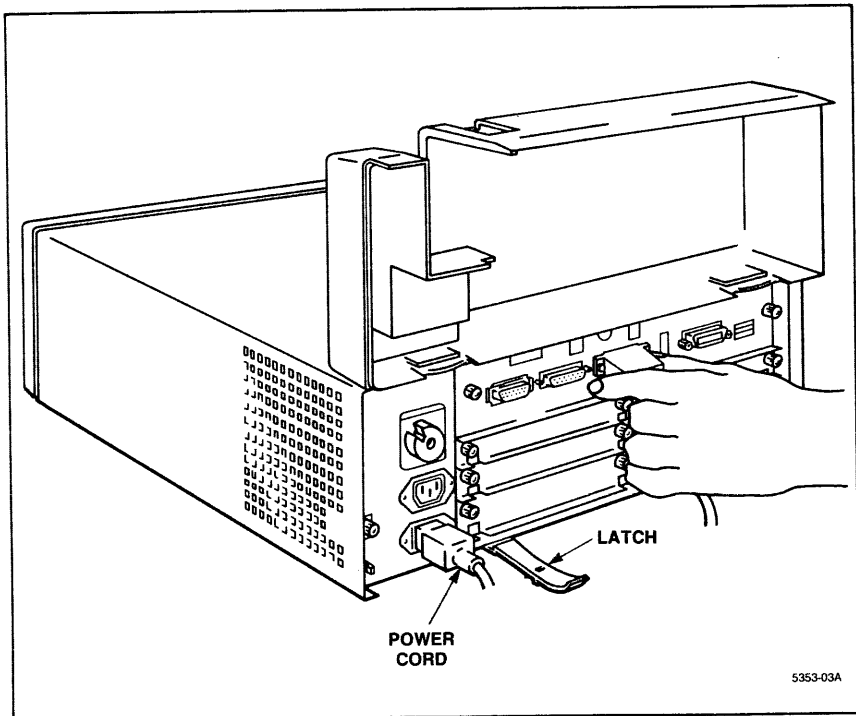
The following steps outline how to install and start up a workstation using a separate RS-232-C terminal as a system console. The steps outlined and the start-up messages described are explained in detail in the *6130 System Administration* manual, Section 2, or the *6120 System User's Guide*, Appendix D. Refer to either of these manuals for more information or if problems occur.

**CAUTION**

*The back panel of the system enclosure is covered by a plastic shroud called the cable management cover. DO NOT LIFT THE SYSTEM ENCLOSURE BY GRASPING THE CABLE MANAGEMENT COVER. The cover may come open accidentally and cause you to drop the workstation.*

## **Cable Connection**

- Position the workstation. The workstation should be easily accessible, yet not in a place where it could be bumped or knocked over. Also, the front panel should be easy to reach (for insertion of diskettes into the flexible disk drive and for access to the start/stop switch).
- Raise the cable management cover on the back panel to expose the peripheral ports. Be sure to release the latch when opening the cover.
- Connect the RS-232-C cable from the terminal to RS-232-C port 1 on the back panel (see Figure 4-1). Be sure the cable connects to the correct port. If connected to port 0, no system messages appear during system start-up. Secure the connector by tightening the mounting screws.
- Connect the power cord to the workstation back panel. Plug the other end into the wall outlet.



**Figure 4-1. Attaching the RS-232-C Cable.**

## System Start-Up

This section explains the start-up procedures for the workstation. During the start-up sequence, the workstation prompts you for two parameters: **hostname** and **internet address**. The hostname is necessary to designate your workstation. The internet address is necessary only if your workstation is to be part of a Local Area Network (LAN). This procedure assumes that your workstation WILL NOT be part of a LAN. If your workstation is to be part of a LAN, or if you want more detail about the first time start-up procedures, refer to the *6130 System Administration* manual, Sections 2 and 3, or the *6120 System User's Guide*, Appendix D. When entering responses from the keyboard, always finish the entry with a carriage return. A carriage return signals the operating system to execute the entry. In the following procedure, a carriage return is designated as **<RETURN>**.

- Turn on the terminal. Wait until the terminal completes its own start-up sequence.
- Set the baud rate on the terminal for 9600. See the operator's manual for your specific terminal.
- Press the start/stop switch on the workstation front panel. The green light on the switch should turn on, and the fan and disk drive should start up. If workstation does not power up, see Checks If No Power-up.

### NOTE

*The five diskettes included in the standard accessories are not needed during normal start-up. These are backup utilities for the UTeK operating system. See the 6130 System Administration manual Section 1 for more information.*

- The workstation first performs a number of diagnostic tests. If your workstation came with enhancements that were not factory-installed (that is, if you installed any boards in the backplane of the workstation), then the diagnostic tests prints the following message on the screen:

```
System configuration has changed since last boot
Update config file to reflect new configuration? [y,n(y)]
```

The workstation then waits for a response from the keyboard. Enter **y<RETURN>**, or simply **<RETURN>** (**y** is a default that automatically enters when just **<RETURN>** is entered). This updates the workstation's list of installed enhancements.

If no enhancements were installed during system installation, this message will not appear.

- After the diagnostics are complete, the workstation loads the UTek operating system into system memory (usually from the Winchester disk drive). Early in the sequence, the following message is shown:

```
Hostnames can be up to 32 characters long. The first
character must be alphanumeric.
Legal characters are:
[A-Z,a-z,0-9,-,_]
Enter hostname [string]...
```

At this time, enter the designated *hostname* (system name) for your workstation. Example: **goliath**

```
Enter hostname [string]...goliath<RETURN>
```

- The workstation responds by repeating the entered hostname, which allows you to check for accuracy.

```
New hostname is 'goliath'
Is it acceptable?[y,n,q(n)]...
```

Type **y**<RETURN> if the repeated hostname is correct, **n**<RETURN> if it is not. Typing **y**<RETURN> moves to the next step in the start-up sequence. Typing **n**<RETURN> returns you to the previous step and lets you reenter the hostname.

- The next message prompting action from the keyboard is:

```
Do you want to enable the Distributed File System?
[y,n,q(n)]...
```

This step asks for Local Area Network information (specifically, the internet address). Since your workstation is not part of a LAN, enter **n**<RETURN>. The procedure moves on to the next step.

- The next message prompting action from the keyboard is:

```
Do you want to enable the regular Network Utilities?  
[y,n,q(n)]...
```

This step also asks for Local Area Network information (again, the internet address). Enter n<RETURN> to move on to the next step.

- The workstation continues its start-up sequence. When the boot operation is complete, the screen shows the following message:

```
goliath login:
```

You should see the hostname you defined earlier. When this message occurs, the initial start-up sequence is complete. Refer to the *6130 System Administration* manual, Section 2, or the *6120 System User's Guide*, Appendix D, for operating procedures after this point.

If the <hostname> login: message does not appear after about three minutes, turn off the workstation and the terminal and begin again the steps under System Start-up. If the <hostname> login: message still does not appear after about three minutes, contact your local Tektronix Field Office.



## Checks If No Power-Up

If the workstation does not power-up when the start/stop switch is pressed, check the following conditions:

1. Did the start/stop switch lock into the *on* position?
2. Is the power cord secure in the wall outlet? Is it secure in the back panel?
3. Does the wall outlet have power (no circuit breakers open, power outages, and so on)?
4. Is the workstation set for the correct line voltage? Lift the cable management cover to expose the back panel. Figure 4-2 shows the location of the line voltage indicator. The indicator only has two settings: 115 Vac (domestic setting) and 230 Vac (European setting). Verify that the indicator shows the correct line voltage for the wall outlet used. If the setting is wrong, contact your local Tektronix Field Office.

### NOTE

*Changing the line voltage indicator DOES NOT change the actual line voltage setting for the workstation. Only qualified service personnel should change the line voltage setting. Service personnel should see the 6100 Series System Enclosure manual, Section 3.*



5. Are the configuration switches on the back panel set properly? Figure 4-2 shows the location of the configuration switches on the back panel. Figure 4-3 shows the typical settings for a workstation with either a 6100 Series display or a separate RS-232-C terminal.
6. Are the diagnostic LEDs on the back panel turned on? Lift the cable management cover and check the LEDs. See Figure 4-2. If the display diagnostic LED is on, or the computer board diagnostic LED shows a constant pattern, there is a hardware failure in the workstation. Contact your local Tektronix Field Office.

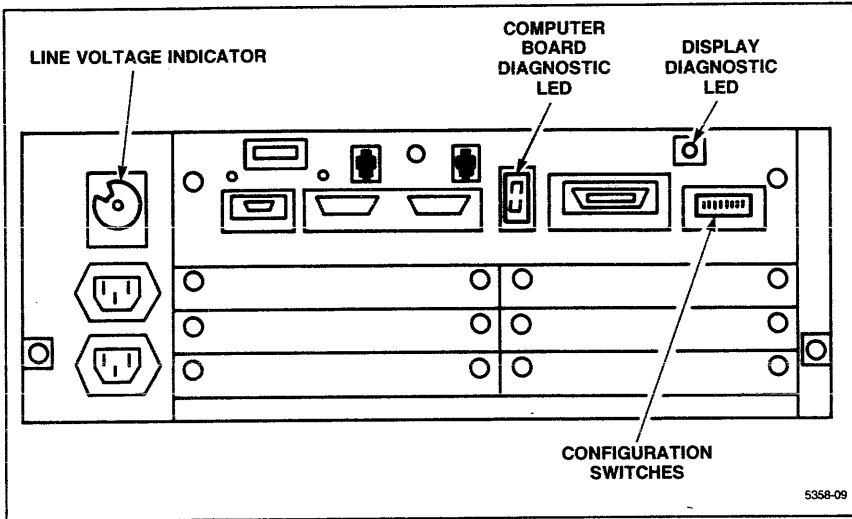


Figure 4-2. Workstation Back Panel.

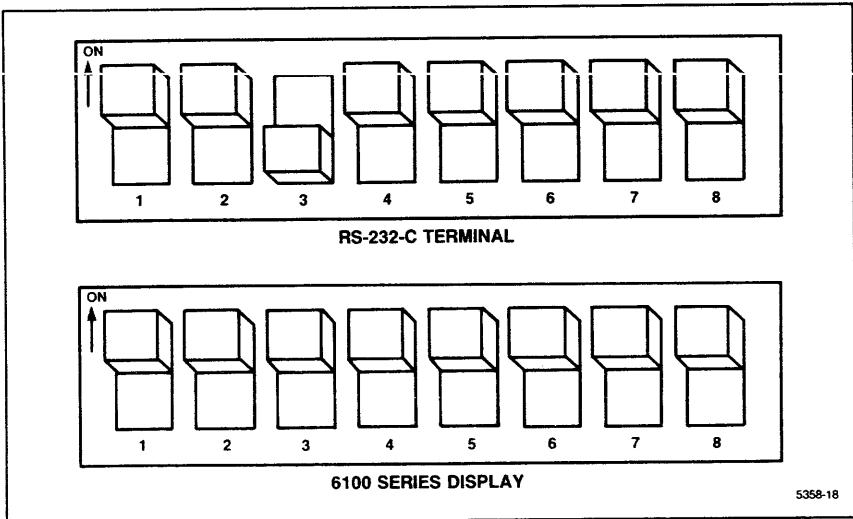


Figure 4-3. Configuration Switch Settings.





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