

# VT 220

---

Installation Guide

**digital**

# VT 220

---

## Installation Guide

1st Edition, August 1983  
2nd Edition, August 1984

Copyright © 1983, 1984 by Digital Equipment Corporation.  
All Rights Reserved. Printed in U.S.A.

The reproduction of this material, in part or whole, is strictly prohibited. For copy information, contact the Educational Services Department, Digital Equipment Corporation, Maynard, Massachusetts 01754.

The information in this document is subject to change without notice. Digital Equipment Corporation assumes no responsibility for any errors that may appear in this document.

This equipment generates and uses radio frequency energy and if not installed and used properly, that is, in strict accordance with the manufacturer's instructions, may cause interference to radio and television reception. It has been type tested and found to comply with the limits for a Class B computing device in accordance with the specifications in Subpart J of part 15 of FCC Rules, which are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following methods:

- reorient the receiving antenna
- relocate the computer with respect to the receiver
- move the computer away from the receiver
- plug the computer into a different outlet so that computer and receiver are on different branch circuits.

If necessary, the user should consult the dealer or an experienced radio/television technician for additional suggestions. The user may find the booklet *How to Identify and Resolve Radio/TV Interference Problems*, prepared by the Federal Communications Commission helpful. This booklet is available from the U.S. Government Printing Office, Washington, DC 20402, Stock No. 004-000-00345-4.

The following are trademarks of Digital Equipment Corporation, Maynard, Massachusetts.

**digital**

DEC	DECUS	P/OS	UNIBUS
DECmate	DECwriter	Professional	VAX
DECnet	DIBOL	Rainbow	VMS
DECsystem-10	LA	RSTS	VT
DESYSTEM-20	MASSBUS	RSX	Work Processor
	PDP		

# CONTENTS

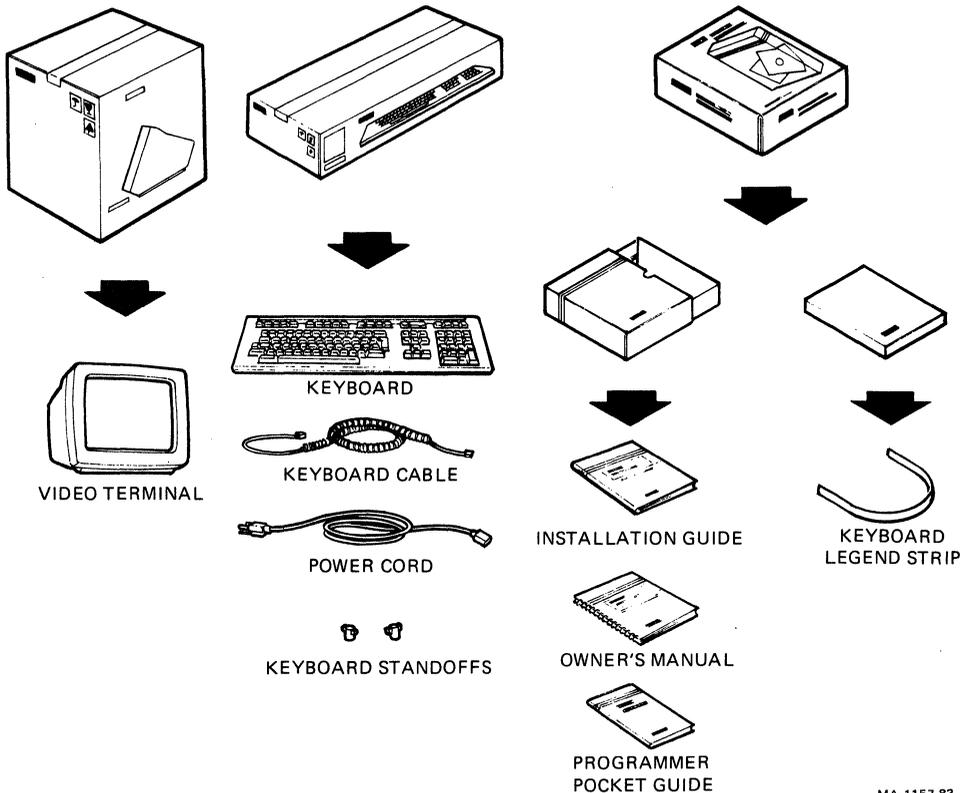
---

Unpacking .....	1
Connectors .....	2
Installation .....	3
Problem Solving .....	12
Specifications .....	13



# UNPACKING

Unpack and check the contents of each carton.



MA-1157-83

## Missing Items?

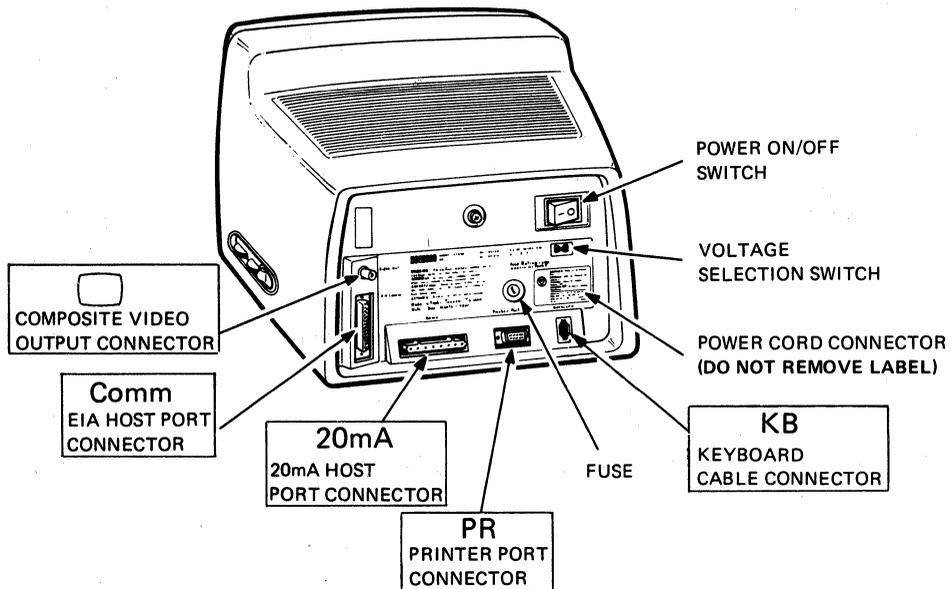
- Identify item(s).
- Contact your sales representative and delivery agent.

## Damage?

- Stop unpacking.
- Contact your sales representative and delivery agent.

# CONNECTORS

Identify the connectors on the rear panel of the terminal.

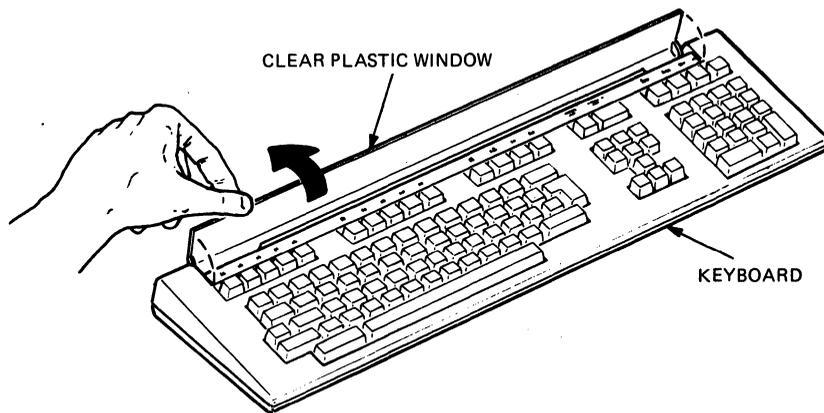


MA-0713-84

# INSTALLATION

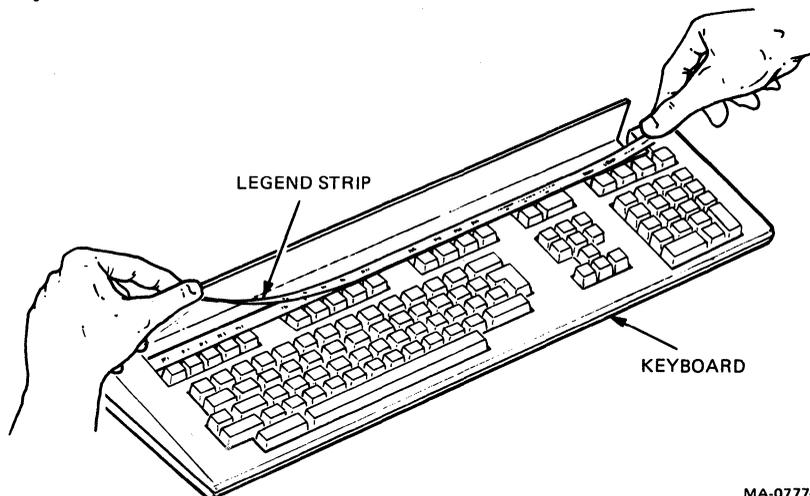
## Install the legend strip.

1. Open the clear plastic window.



MA-0776-83

2. Insert the new legend strip directly over the one already on the keyboard.

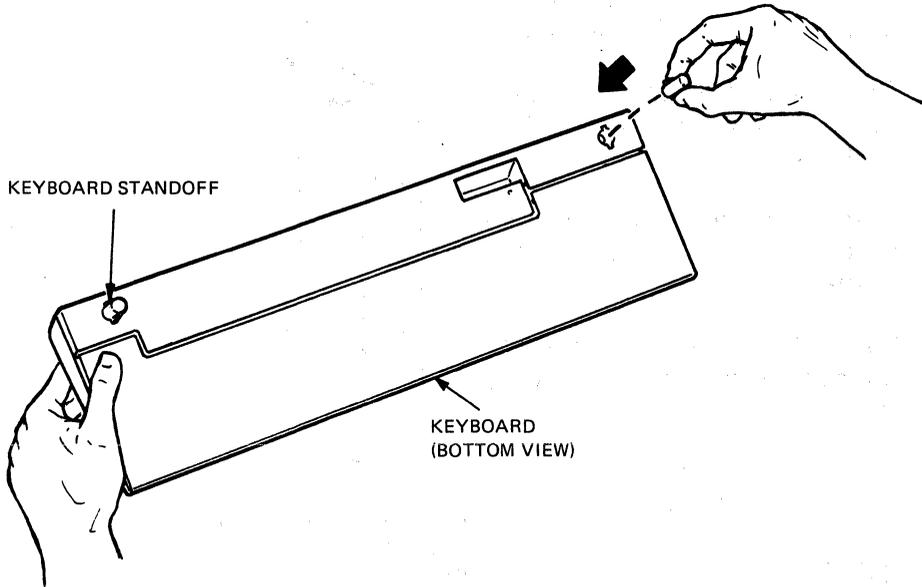


MA-0777-83

3. Close the clear plastic window.

---

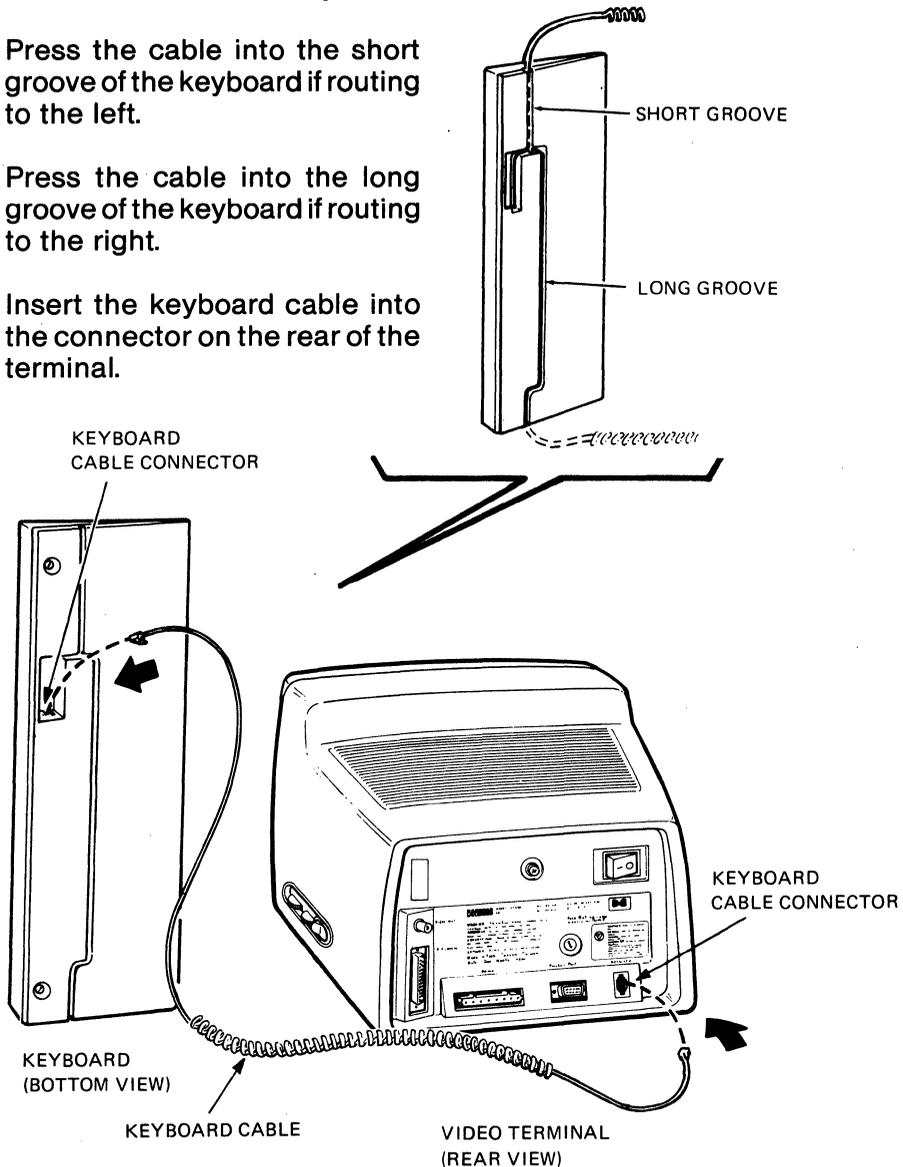
## Install the keyboard standoffs.



MA-0778-83

## Connect the keyboard to the video terminal.

1. Insert the longer end of the keyboard cable into the connector on the bottom of the keyboard.
2. Press the cable into the short groove of the keyboard if routing to the left.
3. Press the cable into the long groove of the keyboard if routing to the right.
4. Insert the keyboard cable into the connector on the rear of the terminal.



MA-0712-84

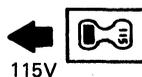
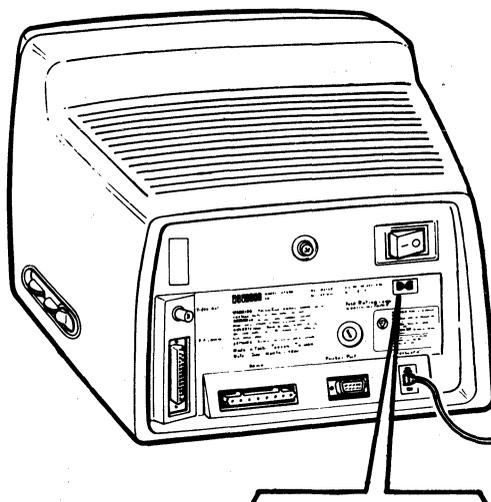
---

## Check the voltage selection switch setting.

Check the voltage selection switch setting to make sure it matches the source voltage that will power the terminal.

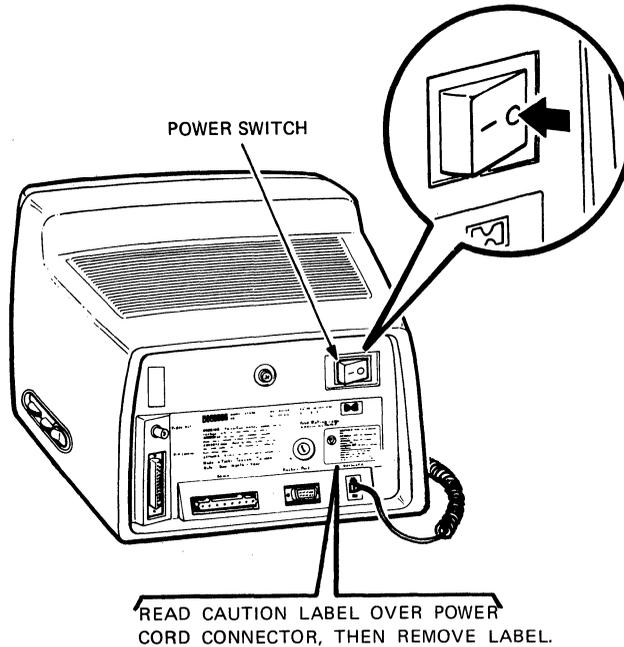
**NOTE:** Digital presets the voltage selection switch on your terminal for the country where the terminal will be installed. If the switch is not set to match the source voltage you use, call Digital Field Service to change the switch setting and the fuse.

**CAUTION:** Your terminal can be damaged if the voltage selection switch is set incorrectly.

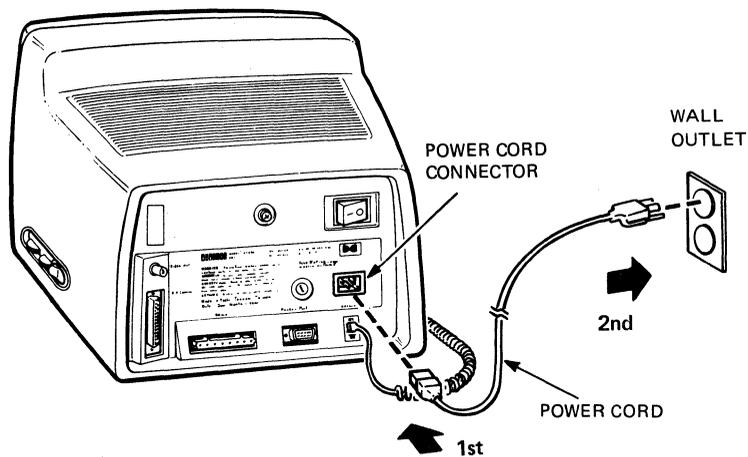


MA-0599-84

**Make sure the power switch is in the 0 (off) position.**

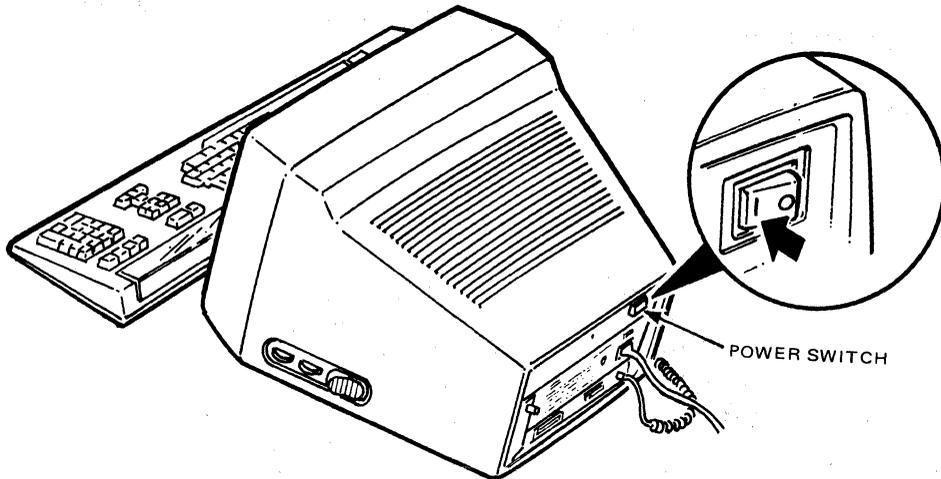


**Plug the power cord into the power cord connector on the video terminal and into the wall outlet.**



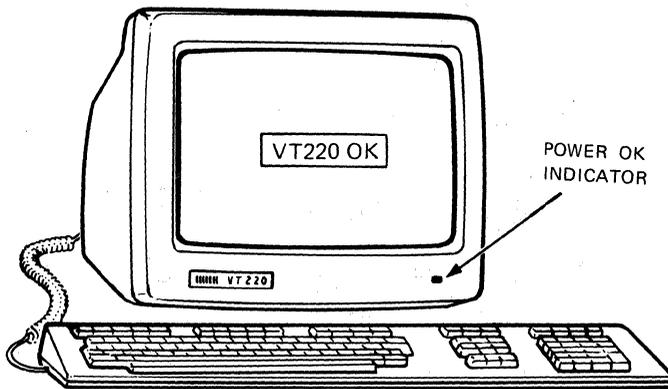
## Start up your terminal.

1. Set the power switch to 1 (on position).



MA-0717-84

2. Make sure the power OK indicator, the small green light on the front of your terminal, is on.



MA-0715-84

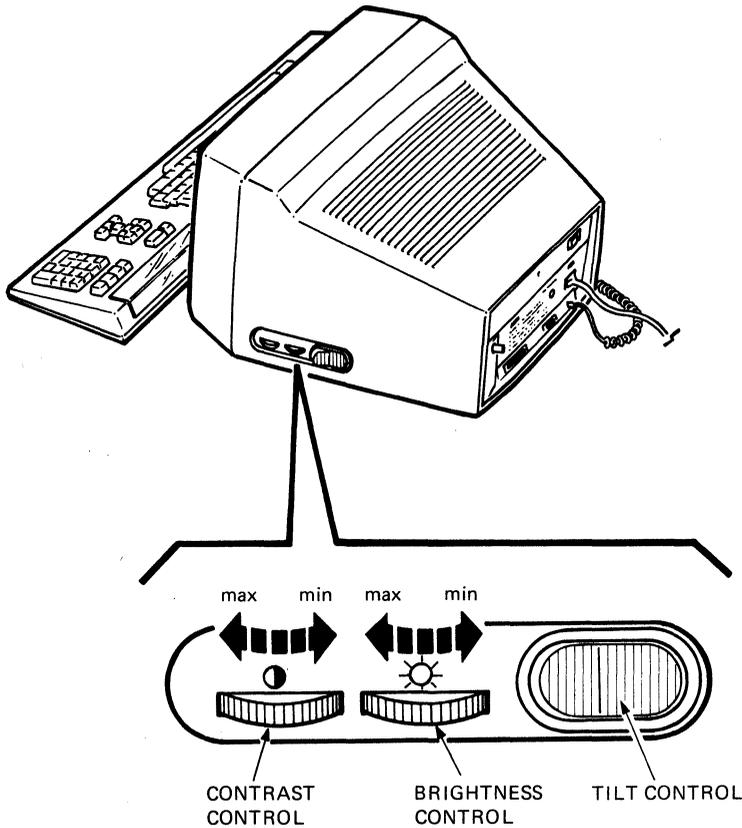
3. Listen for a bell tone from the keyboard.
4. Wait about 30 seconds for the display shown above to appear on the screen.

**NOTE:** If you had problems, refer to the "Problem Solving" section.

---

## Set the brightness and contrast controls.

1. Increase both the brightness and contrast to maximum.
2. Decrease the brightness until the white diagonal lines just disappear.
3. Decrease the contrast to the desired intensity.

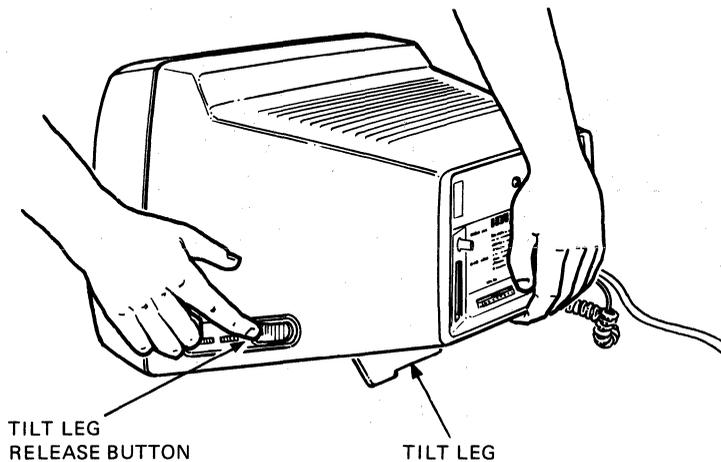


MA-0843-83

---

## Adjust the viewing angle.

1. Rest the front of the monitor on a flat surface.
2. Raise the rear of the monitor until the screen is at the desired viewing angle.
3. Press the tilt leg release button to release the tilt leg.

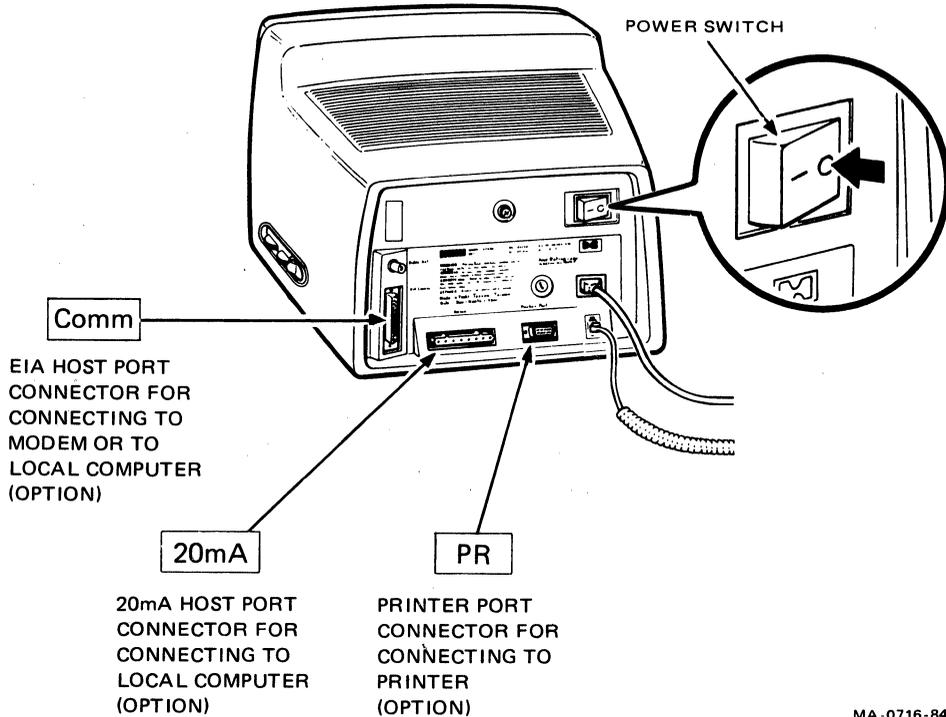


MA-0799-83

---

**Refer to the following illustration for connecting the optional EIA, 20 mA, or printer cables to your terminal.**

**CAUTION:** Set the power switch to 0 (off position) before connecting cables.



MA-0716-84

**Set the power switch to 1 (on position) after connecting cables.**

You have installed your video interterminal successfully. Refer to your owner's manual for information to get you started on your new VT220 terminal.

# PROBLEM SOLVING

## Problem

## Corrective Action

Power OK indicator is off.

Check the wall outlet. Make sure power cord connections are secure.

Power OK indicator is on.  
Keyboard bell tone heard.  
No screen display.

Adjust brightness and contrast until "VT220 OK" appears on the screen. (See page 9.)

Other

Call your local Digital Field Service office for assistance.

# SPECIFICATIONS

## Site Planning

Video terminal weight	11.8 kg (26 lbs)
Keyboard weight	2 kg (4.5 lbs)
Electrical requirements	90 Vac to 128 Vac 47 Hz to 63 Hz or 180 Vac to 268 Vac 47 Hz to 63 Hz

## Operating Conditions

Relative humidity	10% to 90%
Temperature	10° C to 40° C (50° F to 104° F)







Your comments and suggestions will help us in our continuous effort to improve the quality and usefulness of our publications.

What is your general reaction to this manual?

	Excellent	Very Good	Good	Fair	Poor
Accuracy	<input type="checkbox"/>				
Completeness	<input type="checkbox"/>				
Organization	<input type="checkbox"/>				
Format	<input type="checkbox"/>				

What features are most useful?  
(Notes, Tables, Illustrations, etc.) \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Does the publication satisfy your needs?       Yes       No

What errors have you found?  
(Ref. page no., table no., figure no.) \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Additional Comments \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Name \_\_\_\_\_ Street \_\_\_\_\_  
Title \_\_\_\_\_ City \_\_\_\_\_  
Company \_\_\_\_\_ State/Country \_\_\_\_\_  
Department \_\_\_\_\_ Zip \_\_\_\_\_

The Documentation Products Directory and the DECdirect Guide contain information on the remainder of DIGITAL's technical documentation.

Copies of the above Directory and Guide, as well as additional copies of this document, are available by writing or calling:

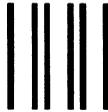
Digital Equipment Corporation  
Accessories and Supplies Group  
P.O. Box CS2008  
Nashua, New Hampshire 03061

Attention: Documentation Products  
Telephone: 1-800-258-1710

Order No.   EK-VT220-IN-002

DO NOT TEAR – FOLD HERE AND TAPE

**digital**



No Postage  
Necessary  
if Mailed in the  
United States

**BUSINESS REPLY MAIL**

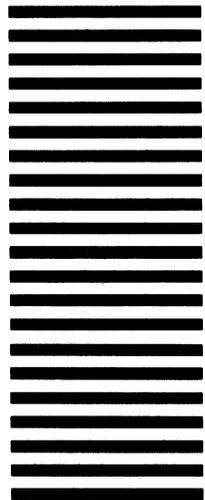
FIRST CLASS

PERMIT NO. 33

MAYNARD, MA.

POSTAGE WILL BE PAID BY ADDRESSEE

DIGITAL EQUIPMENT CORPORATION  
EDUCATIONAL SERVICES/QUALITY ASSURANCE  
12 CROSBY DRIVE, BU/E08  
BEDFORD, MA 01730



Printed in U.S.A.

EK-VT220-IN-002