

Setting  
Up  
Your  
Computer

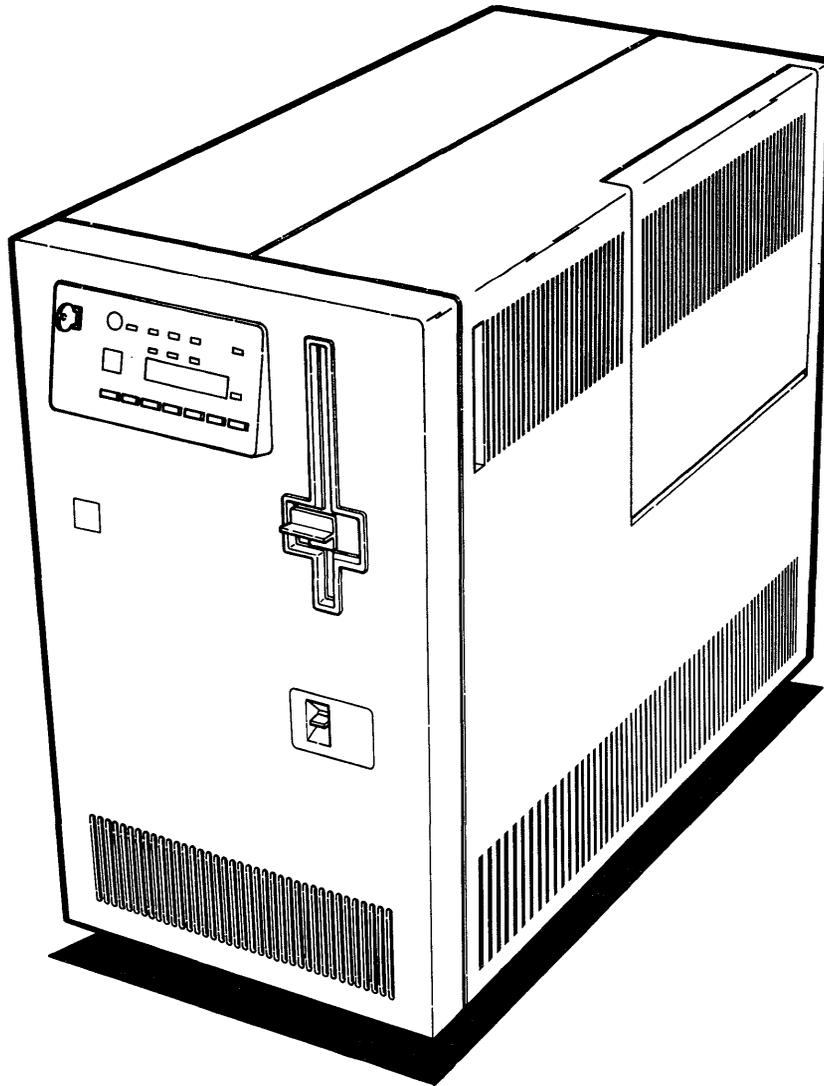
5362



System/36

**IBM** System/36

**Setting Up Your Computer — 5362**



File Number  
S36-00

Order Number  
SA21-9487-3

**Warning:** *This equipment generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the instruction manuals, may cause interference to radio communications. It has been tested and found to comply with the limits for a Class A computing device 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 user at his own expense will be required to take whatever measures may be required to correct the interference.*

## **Fourth Edition (October 1986)**

This major revision makes obsolete SA21-9487-2 and TNL SN21-3020.

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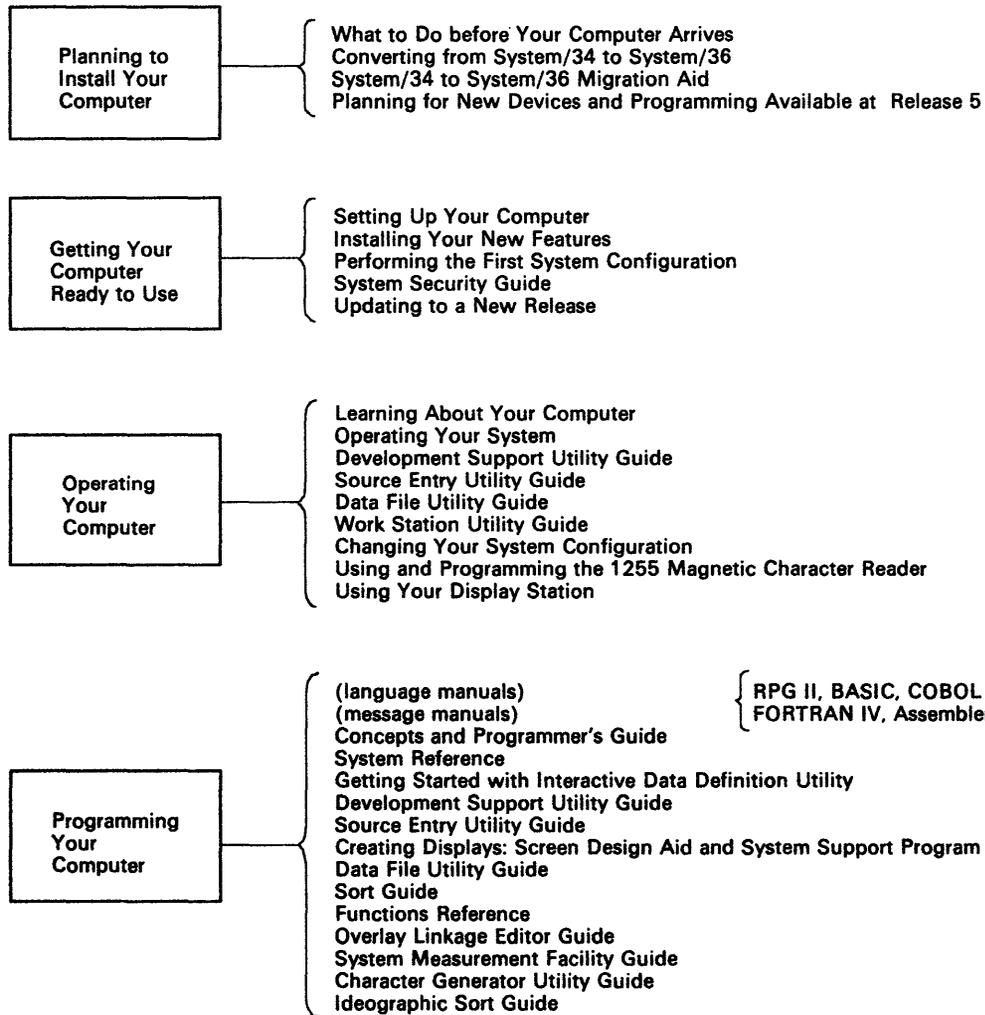
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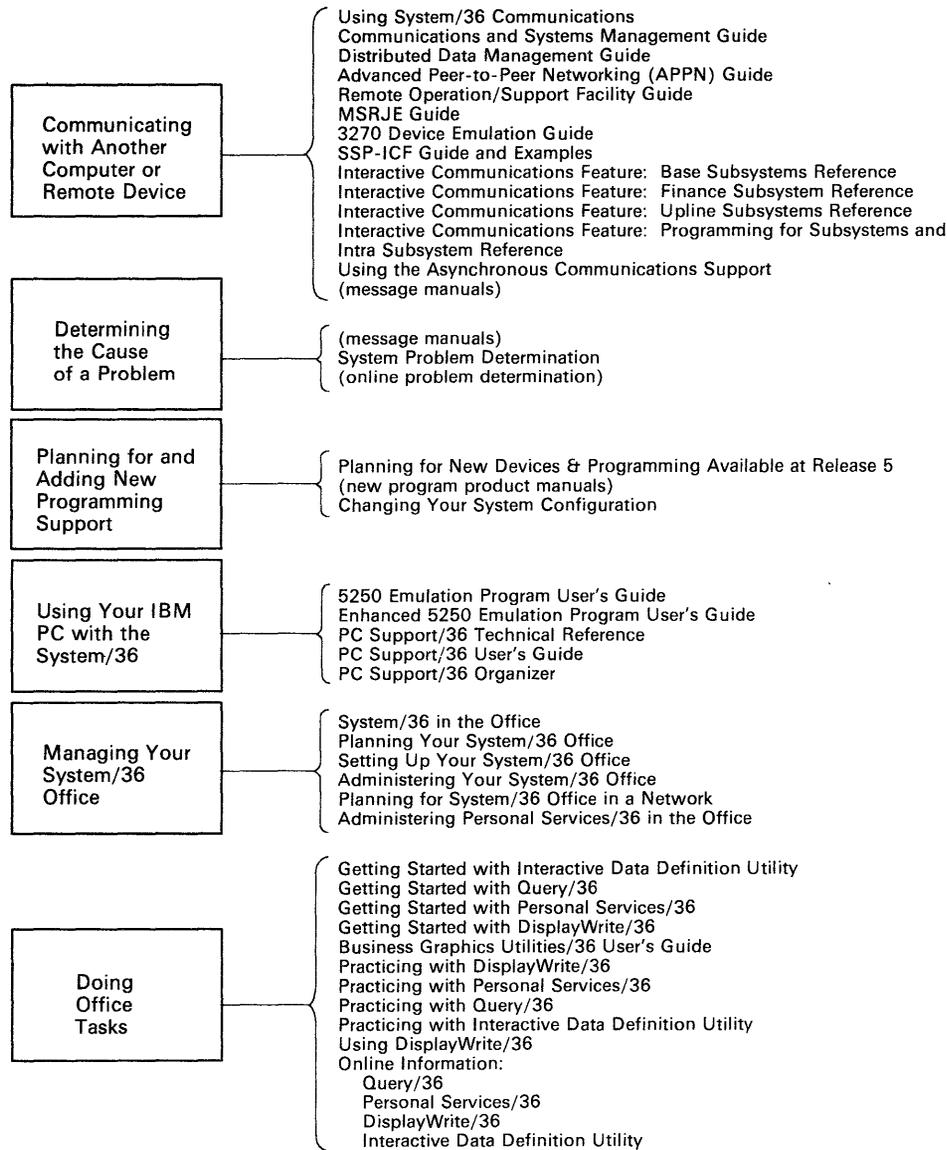
**When You Are:**

**You Can Find Information In:**



**When You Are:**

**You Can Find Information In:**



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# About This Manual

## Who should use this manual . . .

This manual contains the step-by-step procedures needed by the person responsible for both setting up and checking out the System/36. These steps enable the user to connect all the cables, to set the necessary switches, and then to test operations. No tools or special skills are required.

## How this manual is arranged . . .

Sections 1 through 10 present the steps required to set up and configure System/36. Section 11 contains information for relocating the system. Section 12 lists the instructions for responding to system reference codes and indicators during setup and checkout. Section 13 presents basic computer operating information for using keyboards and displays.

**Note:** This publication follows the convention that *he* means *he* or *she*.

## What you should know . . .

No previous data processing or computer experience is required to set up System/36. When you have completed setup of your system, read *Performing the First System Configuration for Your System*, SC21-9067.

**Note:** This manual may refer to products that are announced, but are not yet available. Such information is for planning purposes only and is subject to change before general availability.

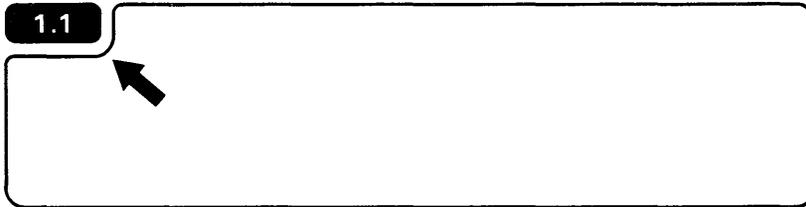
## If you need more information . . .

If you need more information about setting up your computer, see *What To Do Before Your Computer Arrives*, SBOF-4778.

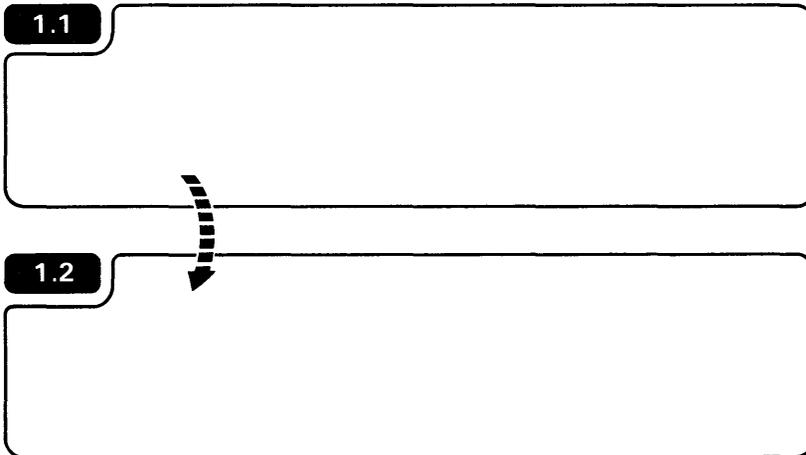


## How to Use This Manual

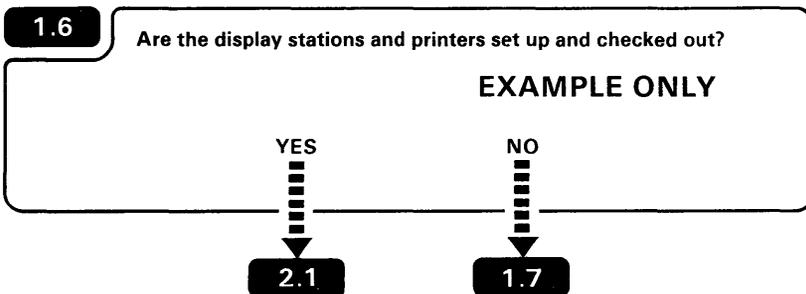
Each step that you perform is identified with two numbers. The first number identifies the section and the second number identifies the step within that section.



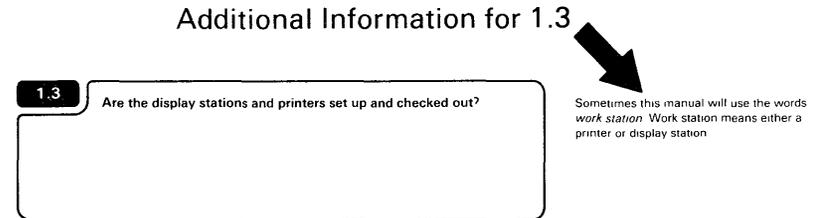
When you complete a step, go to the next step.



Some steps will ask you questions. Depending on how you answer the question, you might not always go to the next step, as shown in the example.



Sometimes you might need additional information to complete a step. Always read the information in the step first and then the additional information.



A symbol that appears like **3.2** is pointing toward another step.

This means go to Section 3, step 2.

An arrow like  is used to point out or locate something on the art.

A broken arrow like  is used to show action such as push, pull, turn, go to, and so on.

A small hand like  is used to show location and a pressing action.

**Note:** To avoid problems during setup, you should follow the instructions in this manual step-by-step. If you encounter a problem, instructions outside the steps tell you what to do.



## Section 1. What Must Be Done Before Setup

1.1

Make sure you have read *How to Use This Manual* on page vii.

1.2

### Safety Precautions

- Your computer weighs about 79 kilograms (175 pounds); **NEVER ATTEMPT TO LIFT OR MOVE IT BY YOURSELF.**
- Avoid connecting cables during an electrical storm.

The power plug on your computer is approved for use with this device and meets the laboratory or test-house standards. For your safety, the power cord plug must be connected to a properly wired and grounded outlet. An improperly wired outlet can place hazardous voltages on accessible metal parts of this computer. The customer is responsible for the outlet wiring.

1.3

Before you begin to set up your computer, check with the system manager to make sure items **1.4** through **1.9** were completed.

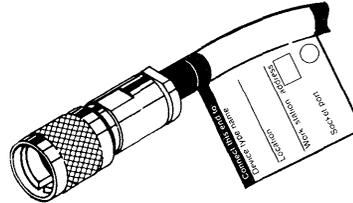
The system manager is the person responsible for planning the setup of your computer.

1.4

Are the grounded electrical outlets installed?

1.5

- Are the work station cables uncoiled and placed where they will be connected to the computer and work stations?
- Are all the cables labeled?



Sometimes this manual will use the words *work station*. Work station means either a printer or display station.

For information on labeling cables, the person responsible for planning the setup of System/36 should read *Planning To Receive Your Computer*, SA21-9477.

1.6

- Do you have completed copies of Forms C4, D, and F?

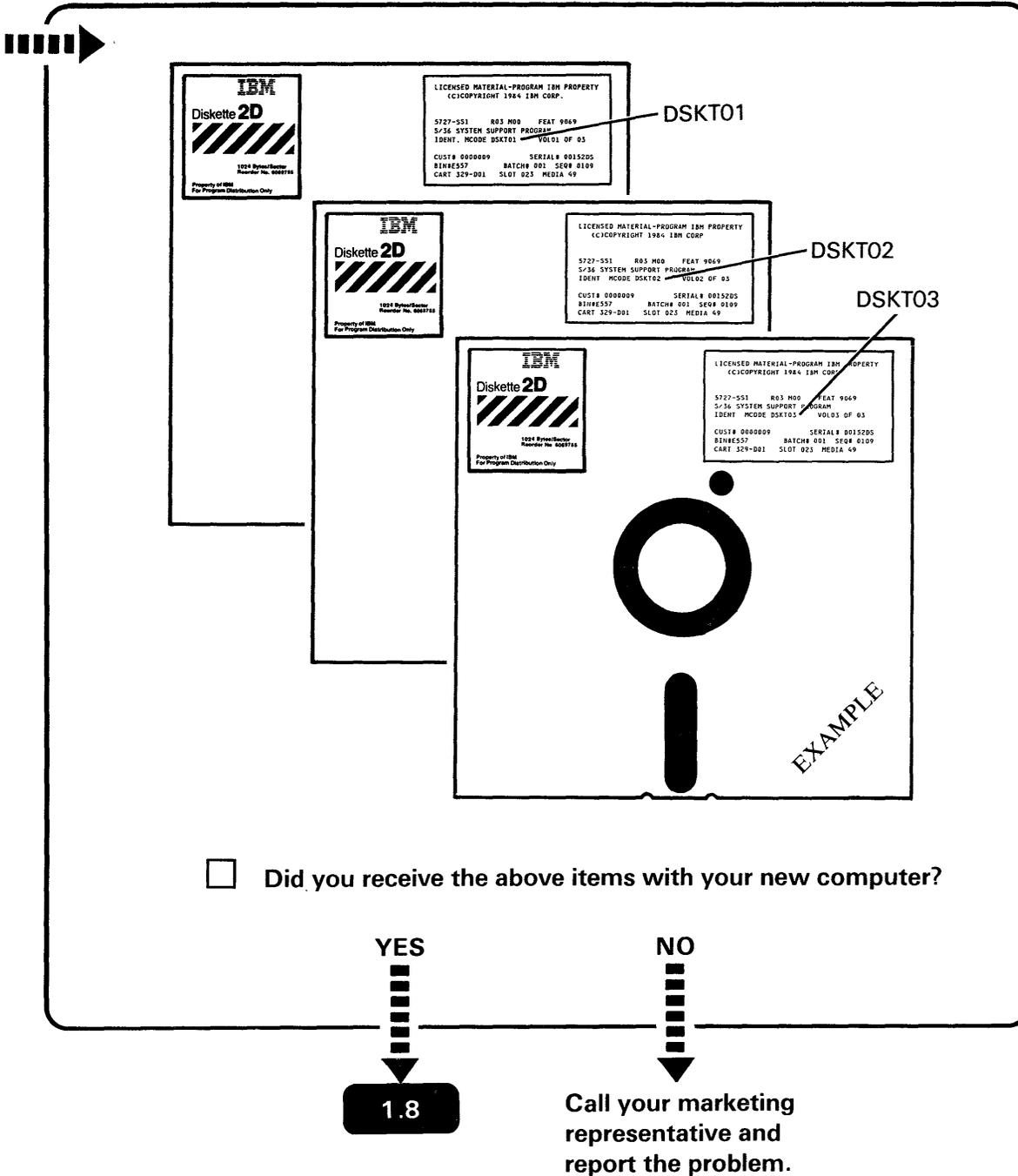
**C4 Configuration List** Workbook 3 Customer Name \_\_\_\_\_  
Customer Number \_\_\_\_\_

**D Local Floor Plan** Customer Name \_\_\_\_\_  
Customer Number \_\_\_\_\_

**F Local Work Station Diagram** Workbooks 3 and 5 Customer Name \_\_\_\_\_  
Customer Number \_\_\_\_\_

Forms C4, D, and F are part of the *Forms for Planning*, SA21-9480. The forms should have been completed using *Planning to Set Up Your Computer: Workbook 3*, SA21-9476.





In addition to the setup box, you also need diskettes 1, 2, and 3. These diskettes are in the storage box.

You can identify diskettes 1, 2, and 3 by looking at the highlighted area of the diskette label, as shown on the diskettes on the left of this page.

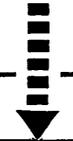
DSKT01 is diskette 1, DSKT02 is diskette 2, and DSKT03 is diskette 3.

**IMPORTANT:** When you are finished using diskettes 01, 02, and 03, make sure that you store these diskettes in a safe, accessible place. They may be needed for diagnostic use by your service representative.

1.8

Are you familiar with data processing and computers?

YES



1.9

NO

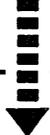


Go to *Section 13:*  
*Basic Computer*  
*Operating Information.*

1.9

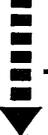
Are the display stations and printers set up according to the special instructions in Workbook 8?

YES



2.1

NO



1.10

NOT SURE



1.10

For special instructions on setting up the display stations and printers, see Workbook 8 in the planning packet, *What to Do Before Your Computer Arrives*, SB0F-4778.

This page is intentionally left blank.

## 1.10

- **Unpack the display stations and printers and place them where they will be used. (Unpacking instructions come with each device.)**
- **Set up the display stations and printers one at a time.**
- **To set up a display station or printer, use the setup manual for that device. (The manual is packed inside the carton on top of the display station or printer.)**

### Notes:

1. When you set up a display station or printer (using the setup manual for that device), perform only the *basic setup* task for that device. *Basic setup* means connect the keyboard cable to the display station, plug in the power cord plug, and so on.

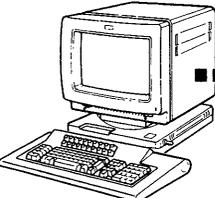
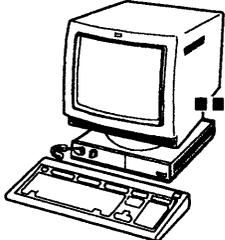
*Do not perform any of the four setup tasks (listed below) in the display station or printer setup manual:*

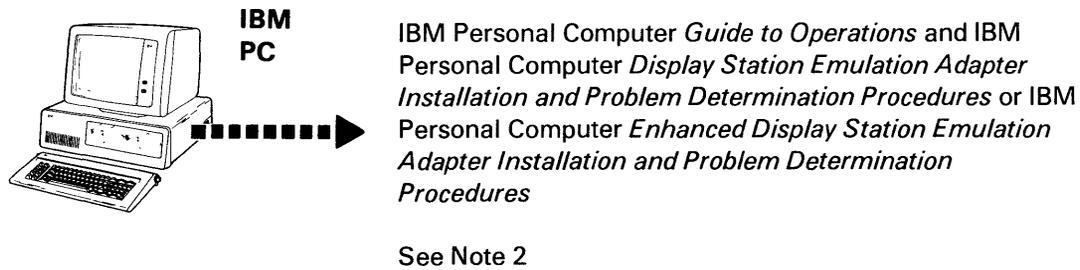
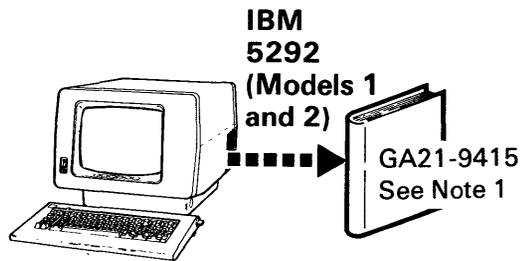
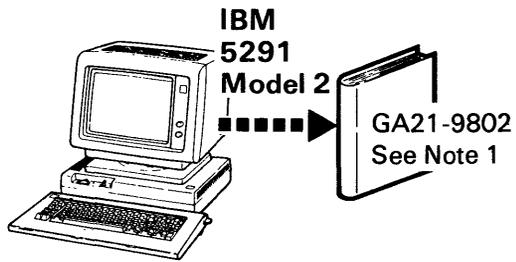
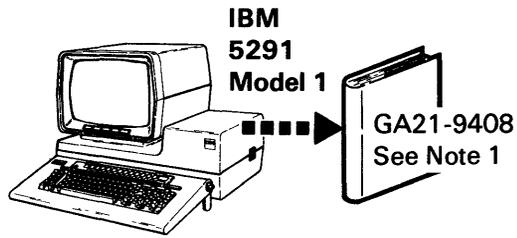
- Set the address switches
- Set the Terminator switch
- Connect any work station cables
- Perform any test with the display station or printer connected to the computer.

The above four tasks will be performed by you later *in this manual*.

2. The personal computer must be set up and the Display Station Emulation Adapter or Enhanced Display Station Emulation Adapter installed before you can attach the personal computer to the 5362 Computer.
3. The 5551 System Unit and 5555 Display are set up together using the manual *5550 System Setup Instructions*, N: GA18-2166.
4. The IBM 3812 Pageprinter is set up using the IBM Pageprinter 3812 Hardware Reference Library manual *Setup Instructions* S544-3266.
5. The IBM 4245 Printer is set up by the Customer Service Representative (CSR).

- **When you have set up all of your display stations and printer(s), return to this manual, and go to **2.1** .**

Device	Manual/Tasks to Complete
	<b>IBM 3179 Model 2</b>  GC31-2552 See Note 1
	<b>IBM 3180 Model 2</b>  GA21-9469 See Note 1
	<b>IBM 3196</b>  GA18-2488 See Note 1
	<b>IBM 5251 Model 11</b>  GA21-9286 See Note 1



1.10 Continued

- **Unpack the display stations and printers and place them where they will be used. (Unpacking instructions come with each device.)**
- **Set up the display stations and printers one at a time.**
- **To set up a display station or printer, use the setup manual for that device. (The manual is packed inside the carton on top of the display station or printer.)**

**Notes:**

1. When you set up a display station or printer (using the setup manual for that device), perform only the *basic setup* task for that device. *Basic setup* means connect the keyboard cable to the display station, plug in the power cord plug, and so on.

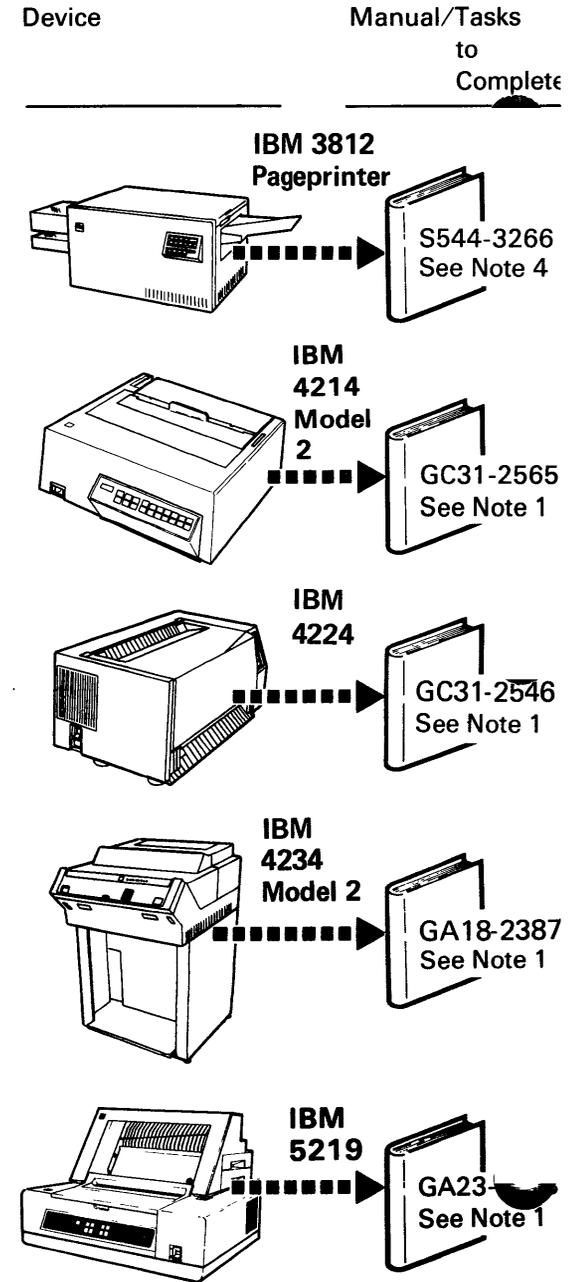
*Do not* perform any of the four setup tasks (listed below) in the display station or printer setup manual:

- Set the address switches
- Set the Terminator switch
- Connect any work station cables
- Perform any test with the display station or printer connected to the computer.

The above four tasks will be performed by you later *in this manual*.

2. The personal computer must be set up and the Display Station Emulation Adapter or Enhanced Display Station Emulation Adapter installed before you can attach the personal computer to the 5362 Computer.
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- **When you have set up all of your display stations and printer(s), return to this manual, and go to **2.1**.**

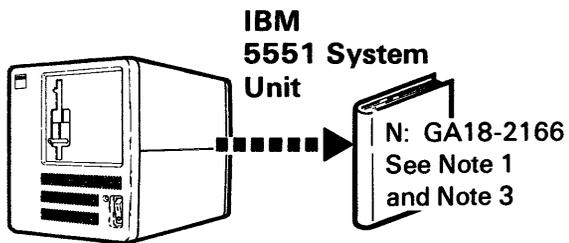
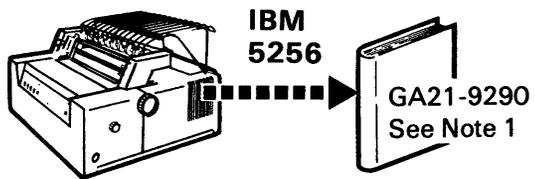
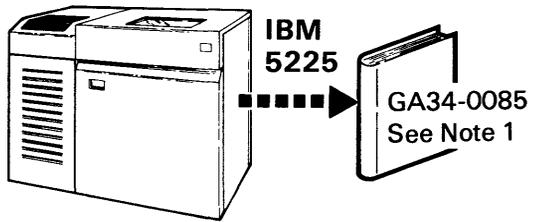
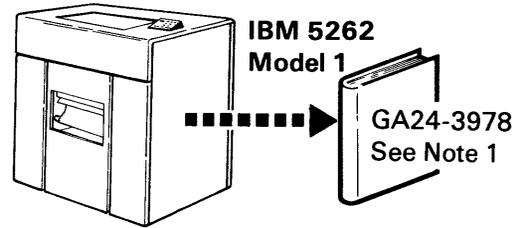
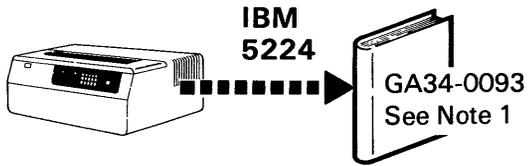


Device

Manual/Tasks  
to  
Complete

Device

Manual/Tasks  
to  
Complete





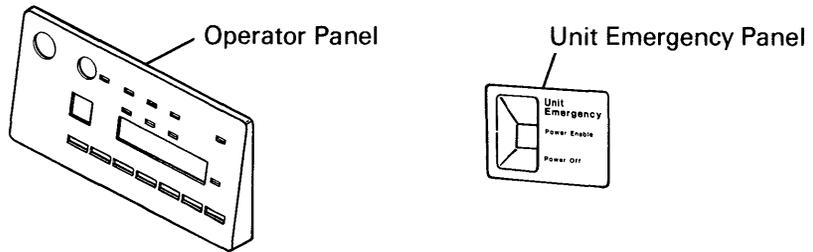
## Section 2. Setting Up Your Computer

Before you begin Section 2, make sure you have:

- Read the information about *How to Use This Manual*
- Completed *Section 1: What Must Be Done Before Setup*

2.1

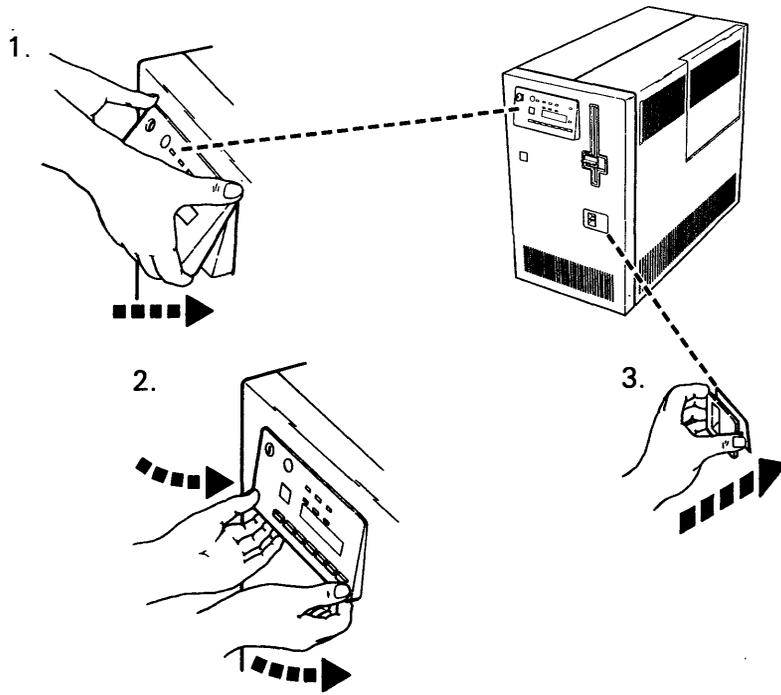
Find the panels.



The panels are in the setup box.

2.2

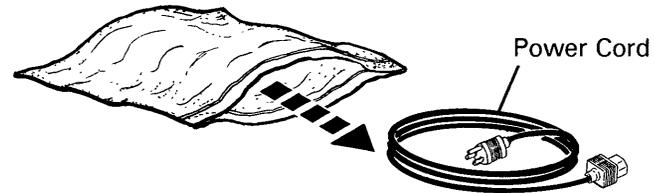
Remove the security keys. Push the panels in place. Return the security keys to the security lock. Turn the security lock to the Service position.



During this setup procedure you will be looking at different views of the computer. If you do not immediately recognize a view, walk around the computer.

2.3

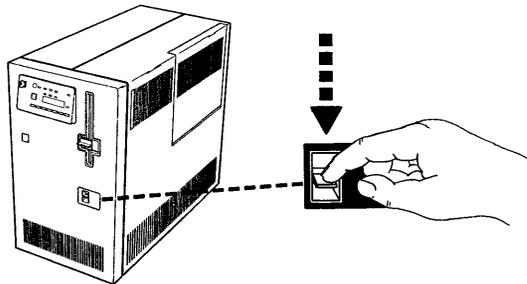
Remove the power cord.



2

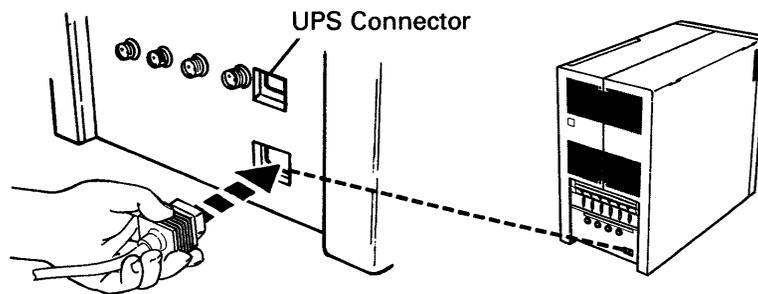
2.4

Before you insert the power cord into the computer, make sure the Unit Emergency switch is set to the Power Off position.



2.5

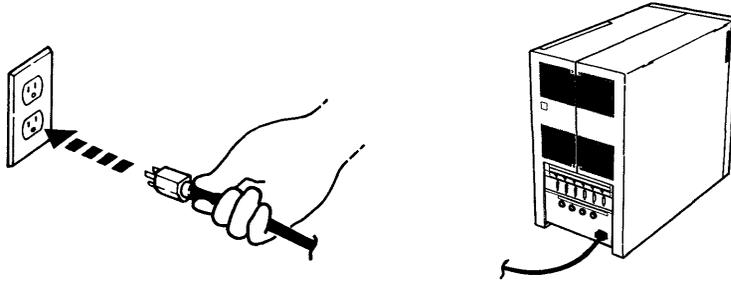
Insert the power cord into the computer.



The UPS connector is used for the uninterruptible power supply. For more information, see *Planning for an Uninterruptible Power Supply — 5362, GA21-9801*.

2.6

Plug in the power cord.

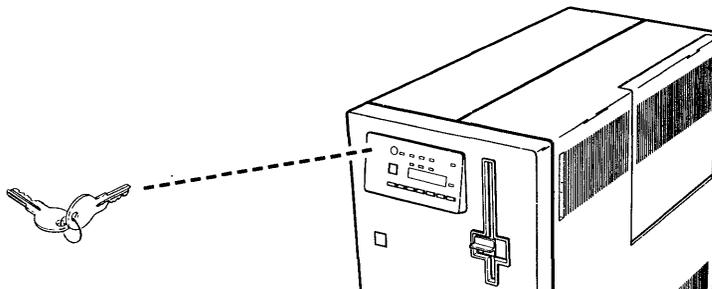


**For World Trade Countries:**

If the power cord does not fit the socket, do the necessary electrical changes required by your local safety regulations.

2.7

Find the security keys. (A spare is provided.)

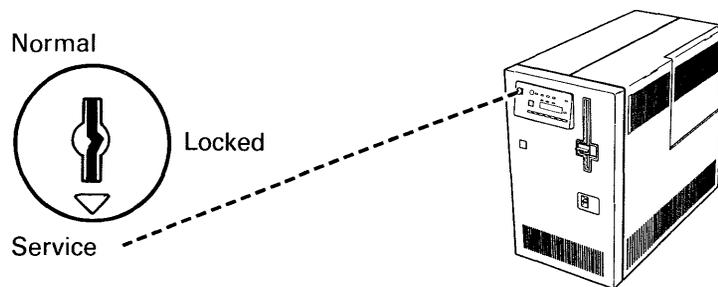


IMPORTANT: Record the key number here

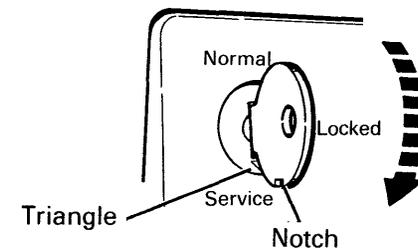
Be sure to separate the keys. Store one key in a safe place.

2.8

Make sure the security lock is in the Service position.



If the security lock is not in the Service position, turn it to the Service position as shown in **2.8**. The security lock is in the Service position when the triangle  $\nabla$  and the notch in the key are pointing toward the Service position.



2.9

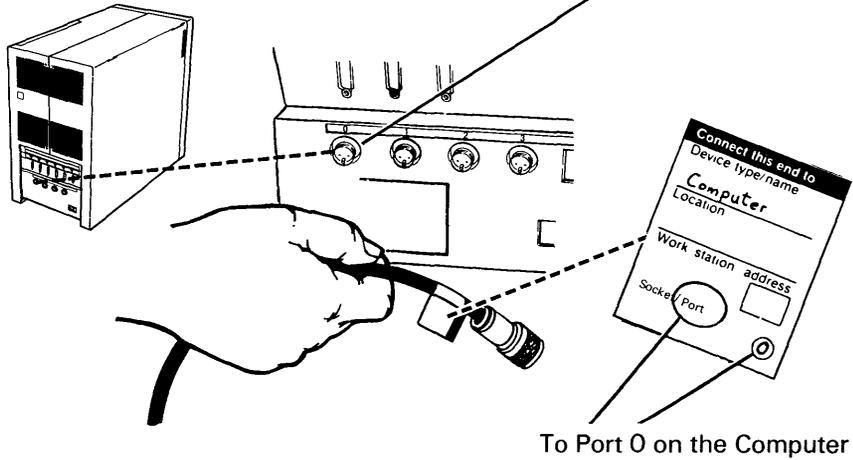
Go to Section 3, *Connecting the Cables to the Computer*.



## Section 3. Connecting the Cables to the Computer

3.1

Find the workstation cable that connects to port 0 on the computer.

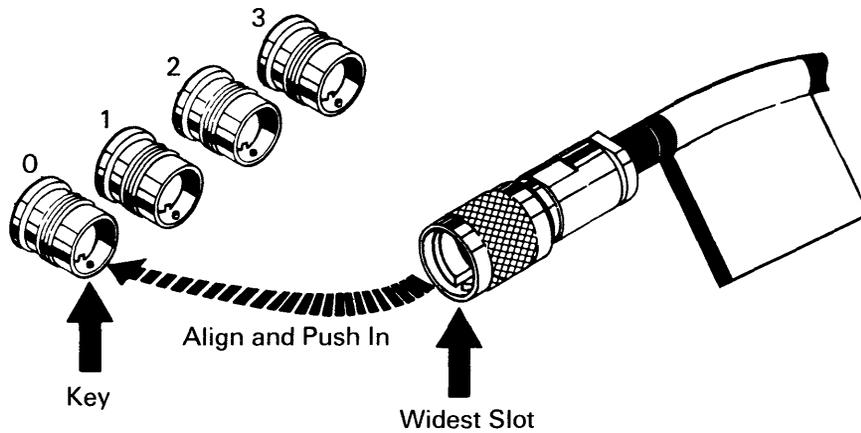


**CAUTION**

The cables and cable connectors are durable, but can be damaged if stepped on or thrown.

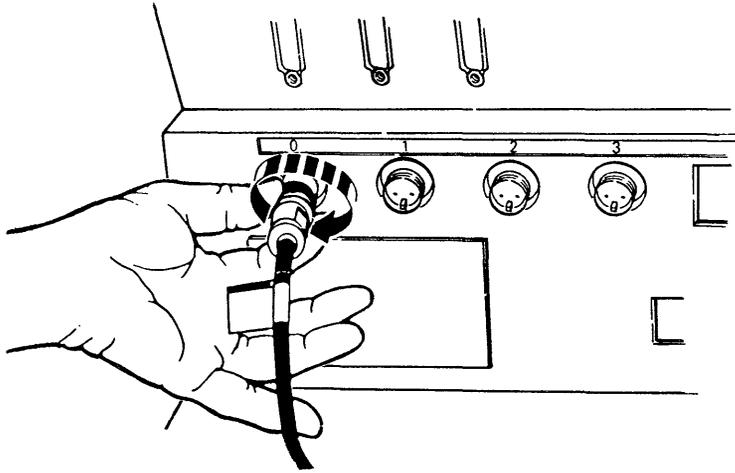
3.2

Align the widest slot in the cable connector to the key in the port.

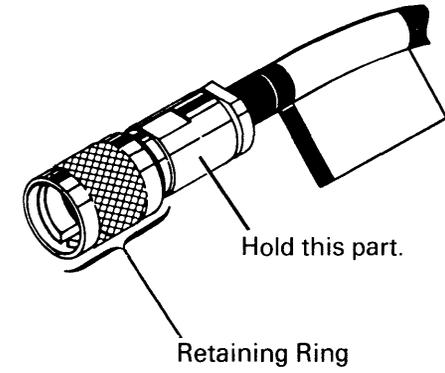


3.3

Push in, hold, and turn the retaining ring until it is tight.



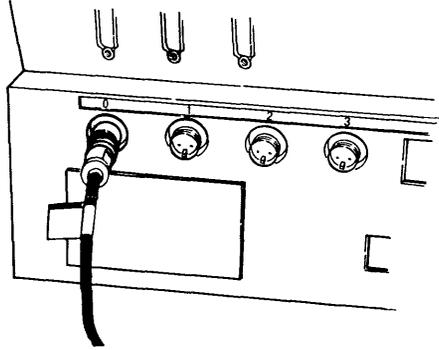
The part of the cable connector that turns is the retaining ring.



3

3.4

Do you have a cable to attach to port 1, 2, or 3?



YES



3.5

NO



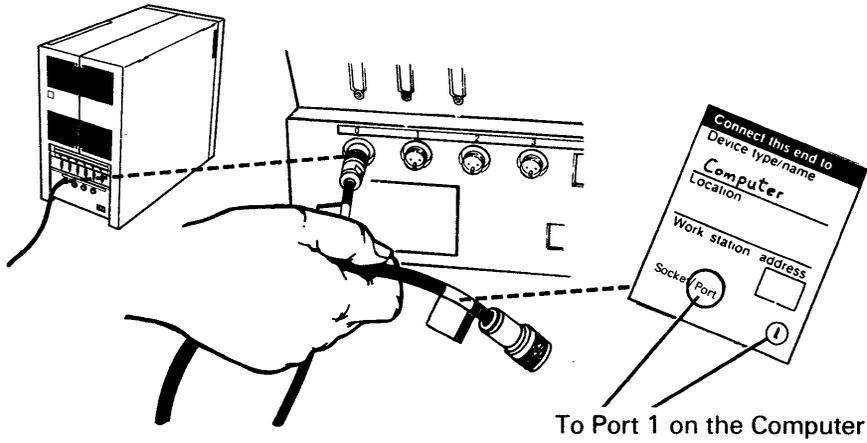
3.9

You can have as many as four work station cables attached to your computer. Use Form D or Form F to determine which cables connect to the ports.

Also, the sockets on the computer are called ports. Sockets on the display stations and printers are exactly the same as the ports on the computer.

3.5

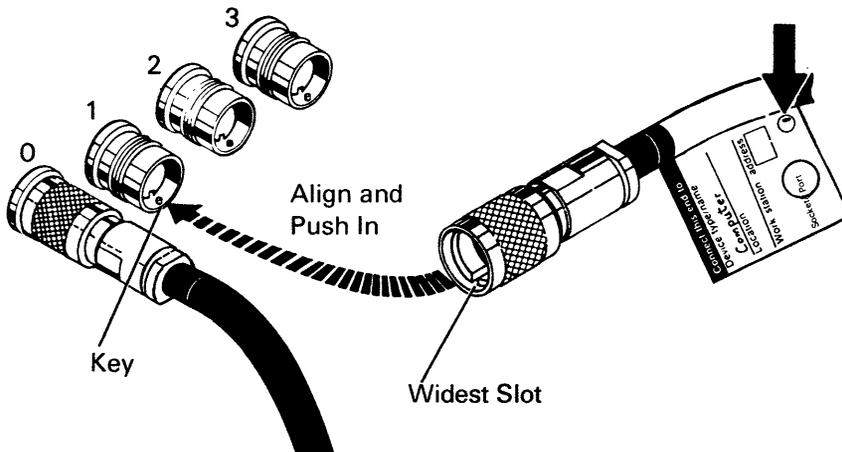
Find the work station cable that connects to port 1, 2, or 3 on the computer.



3

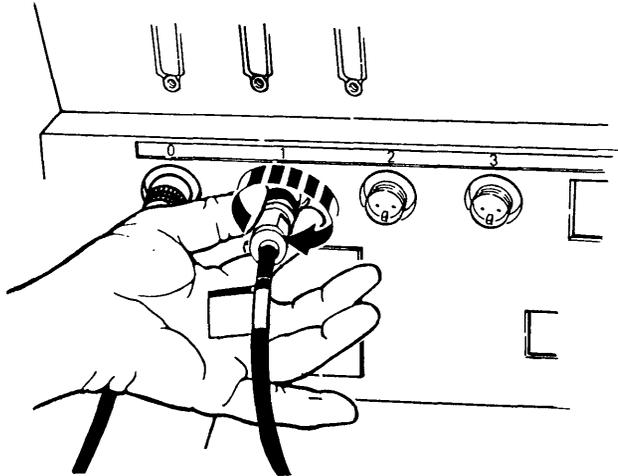
3.6

Align the widest slot in the cable connector to the key in the port.

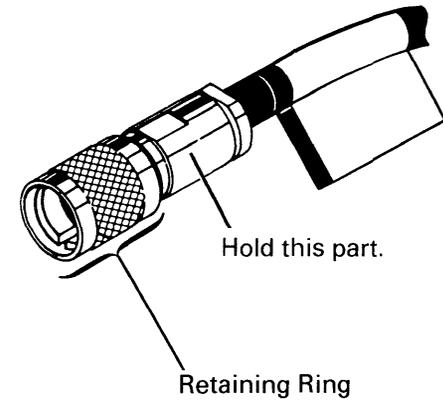


3.7

Push in, hold, and turn the retaining ring until it is tight.

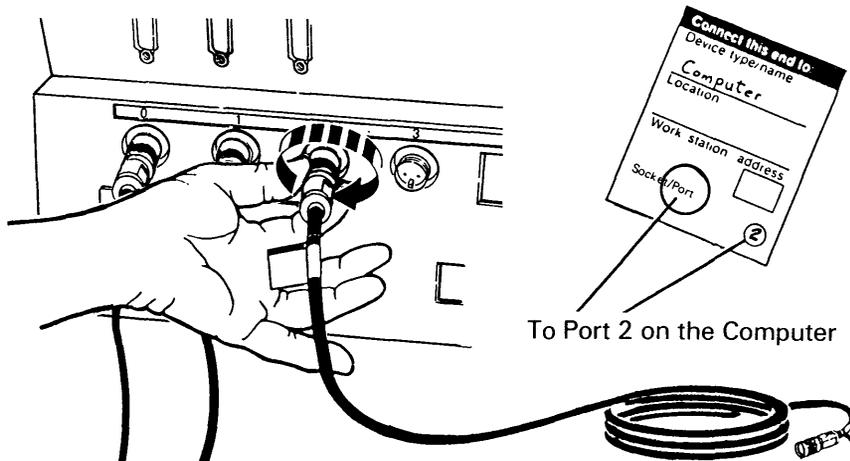


The part of the cable connector that turns is the retaining ring.



3.8

Continue connecting work station cables to the computer until all of the cables are connected.



The opposite end of each cable will be connected later in the setup procedure.

### 3.9

Do you have a 6157 Tape Drive to connect to your computer?

Note: If you are not sure, check the features section of Form C4.

YES

NO

3.19

### 3.10

#### 6157 TAPE DRIVE

You will receive boxes that contain equipment that is necessary for the 6157 Tape Drive to be installed.

Use the contents of these boxes during setup and feature installation.

**C4** Configuration List 5282  
Workbook 3

Customer Name \_\_\_\_\_  
Customer Number \_\_\_\_\_

Documentation Group \_\_\_\_\_  
Main storage size (128 2944) \_\_\_\_\_ (7K segments)

Work stations supported  1 6  1 38  
Communications Type  SICA<sup>1</sup>  MLCA<sup>2</sup>

Line 1 \_\_\_\_\_  
Line 2 \_\_\_\_\_  
Line 3 \_\_\_\_\_  
Line 4 \_\_\_\_\_  
Line 5 \_\_\_\_\_  
Line 10 \_\_\_\_\_

Internal disk storage size (38 120) \_\_\_\_\_  
External disk storage size (18 405) \_\_\_\_\_

Keyboard share \_\_\_\_\_  Yes  No  
Multitasking \_\_\_\_\_  Yes  No  
Counter \_\_\_\_\_  Yes  No  
RPG is \_\_\_\_\_  Yes  No  
Extends \_\_\_\_\_  Yes  No

Features

The features cards to be installed are checked (✓)

More storage  SICA  
 Work station expansion  MLCA  
 6157 Tape Drive  EIA/CCITT  
Communications  DBCA  
 V 21  
 V 35  
 Autocall

Communications Type	Cable Part Number
EIA/CCITT	2453129
SICA	2453130
X 21	2453143
X 25 with SIA	2453139
X 25 with X 21	2453143
V 35	2462200
Autocall	2453129
LAN	4179451

Autocall Ordered For

Line A	Yes	No	Cable Part Number
Line A	<input type="checkbox"/>	<input type="checkbox"/>	2453129
Line B	<input type="checkbox"/>	<input type="checkbox"/>	2453129

<sup>1</sup> SICA means single line communications adapter/attachment  
<sup>2</sup> MLCA means multiline communications adapter/attachment

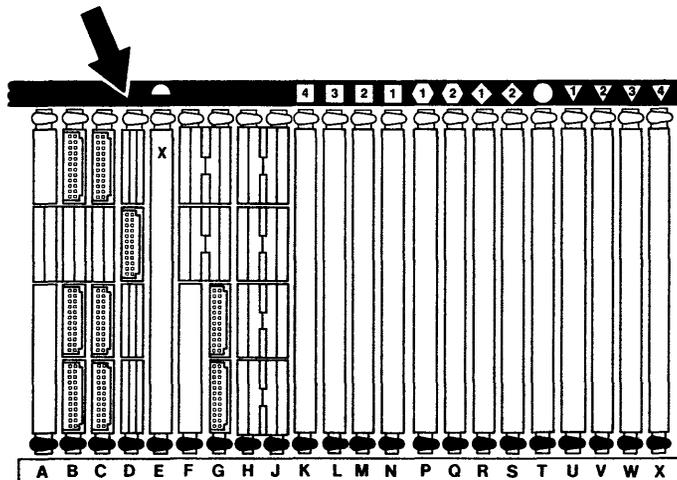
Diagram showing Cable Part Number connections to ports A, B, A, B, A, B.

RX480004-18

### 3.11

In addition to receiving the equipment, you also need to make sure that:

- The Work Station Expansion feature will be installed. (Check Form C4.)
- The Main Storage Memory feature is at least 256K bytes. (Check Form C4.)
- Your computer has at least 60MB of disk storage. (Check Form C4.)
- At least Release 4 IBM Software Distribution (hereafter called ISD) diskettes 01, 02, and 03 are used when installing the 6157 Tape Drive.



If slots D and E do not look like the above diagram, stop setup of the 6157 Tape Drive and call your sales representative.

**C4 Configuration List** 5362  
Workbook 3

Customer Name \_\_\_\_\_  
Customer Number \_\_\_\_\_

Documentation Group \_\_\_\_\_  
Main storage size (128 264) \_\_\_\_\_ (2K segments)  
Work stations supported  14  28  
Communications Type  SICA<sup>1</sup>  MICA<sup>2</sup>

Line 1 \_\_\_\_\_  
Line 2 \_\_\_\_\_  
Line 3 \_\_\_\_\_  
Line 4 \_\_\_\_\_  
Line 5 \_\_\_\_\_  
Line 10 \_\_\_\_\_

Internal disk storage size (38 128) \_\_\_\_\_  
External disk storage size (8 48) \_\_\_\_\_

Keyboard character set  Yes  No  
Country location of the computer  Yes  No  
EPC to be installed  Yes  No  
Extended report holds  Yes  No

**Features**  
The feature cards to be installed are checked (✓):  
 Main storage  SICA  
 Work station expansion  MICA  
 6157 Tape Drive  SIA/CITT  
Communications  DDSA  
 A-21  
 V-35  
 Autocall

Communications Type	Cable Part Number
SIA/CITT	2453129
DDSA	2453145
A-21	2453142
A-21 with EIA	2453129
A-21 with X-11	2453142
V-35	2452228
Autocall	2453129
LAN	2129551

Autocall Order For: Line A  Yes  No 2453129  
Line B  Yes  No 2453129

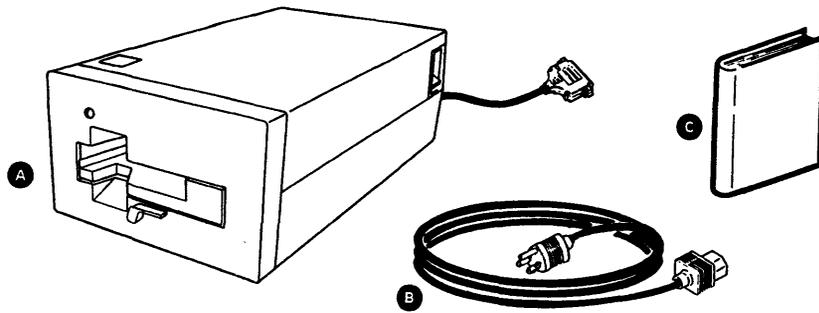
<sup>1</sup> SICA means single line communications adapter/attachment  
<sup>2</sup> MICA means multiple communications adapter/attachment

RX480004-10

3.12

Locate the box that contains:

- a. The 6157 Tape Drive
- b. Power cord
- c. *IBM 6157 Streaming Tape Drive Setup and Operating Instructions, SA23-1045*; hereafter referred to as the operator's manual

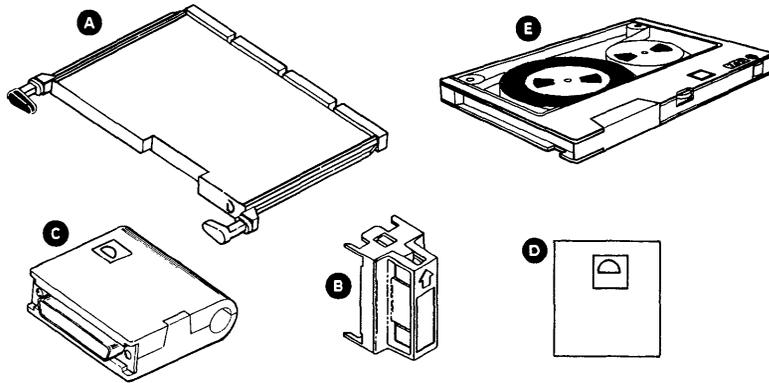


**Do not use the operator's manual for setup.**

3.13

Locate the box that contains:

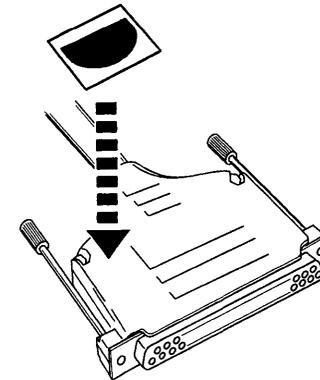
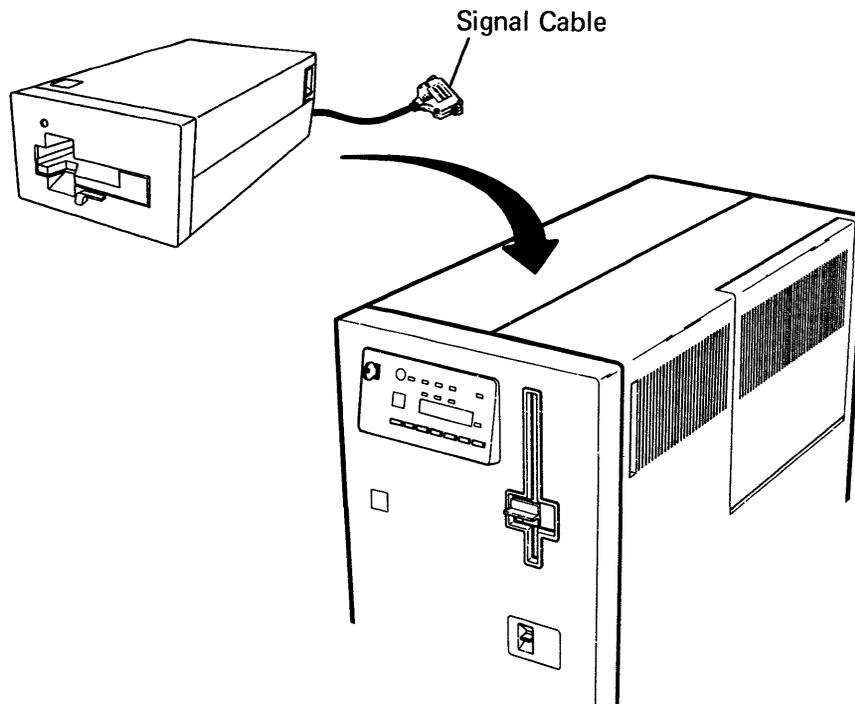
- a. The 6157 Tape Drive feature card
- b. Top card connector
- c. Wrap connector
- d. One purple, half-circle label
- e. One scratch tape cartridge



Attach the purple half-circle label to the plug end of the 6157 Tape Drive signal cable.

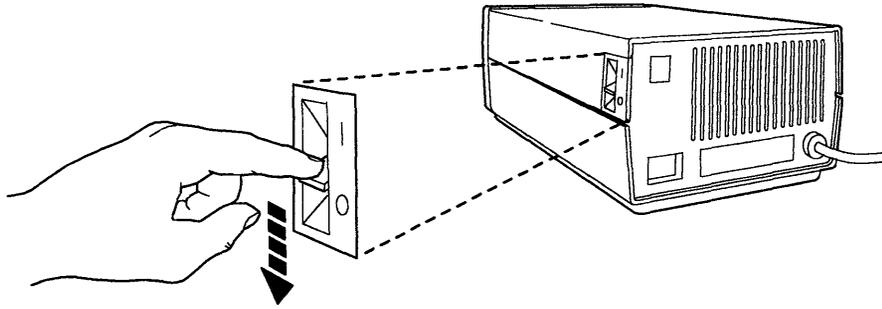
Place the 6157 Tape Drive on the top of the computer or on a piece of furniture that is close enough so that the 6157 Tape Drive signal cable will reach the back of the computer.

**DO NOT** connect the signal cable to the computer!



**3.15**

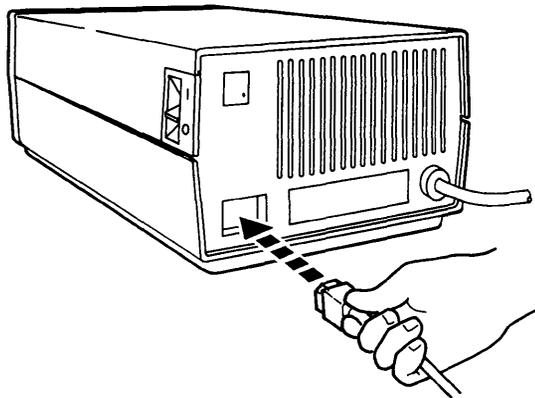
Be sure the power switch is set to the Off position on the 6157 Tape Drive you are connecting.



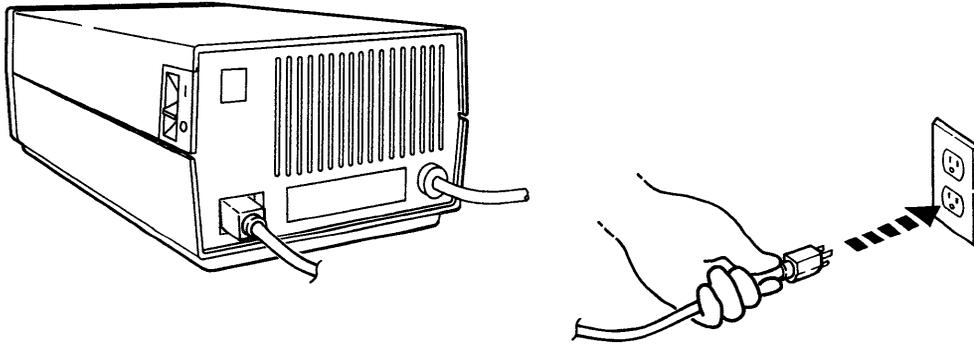
**3.16**

Plug the power cord into the 6157 Tape Drive.

**DO NOT** turn the 6157 Tape Drive on.



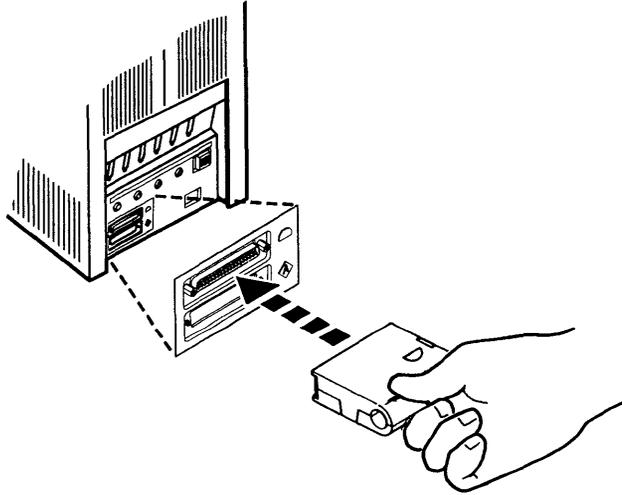
Plug the power cord into an electrical outlet near your system unit.



**3.18**

Locate the wrap connector.

Attach the wrap connector to the multi-pin outlet located on the rear of the computer as shown in the diagram below.



**3.19**

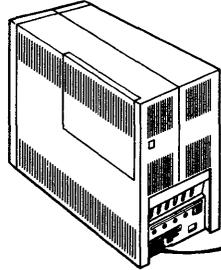
If connecting the Local Area Network to your computer, go to Section 4, otherwise go to Section 5. *Connecting the Cables to Your Display Stations and Printers.*

## Section 4. Connecting the Local Area Network (LAN) To Your Computer

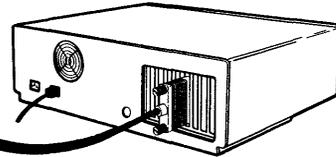
**4.1**

The cable to the IBM Personal Computer AT® is called a signal cable. When installed, it extends from the back of your 5362 System Unit to the Personal Computer AT.

5362 System Unit



Personal Computer AT



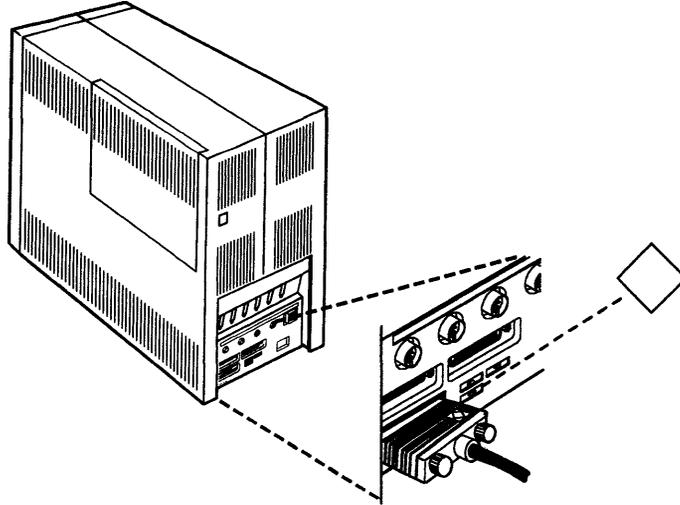
Signal Cable

Go to **4.2** .

4.2

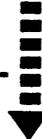
Check the back of your 5362 System Unit for an outlet labeled with a gray diamond.

If a cable is connected to this outlet, the signal cable is installed.



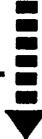
Has the signal cable already been installed?

YES



4.7

NO

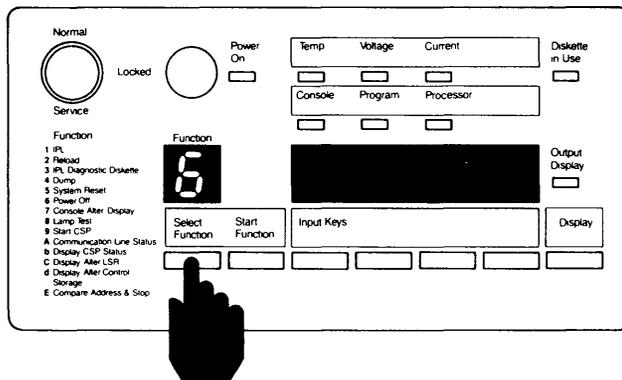


4.3

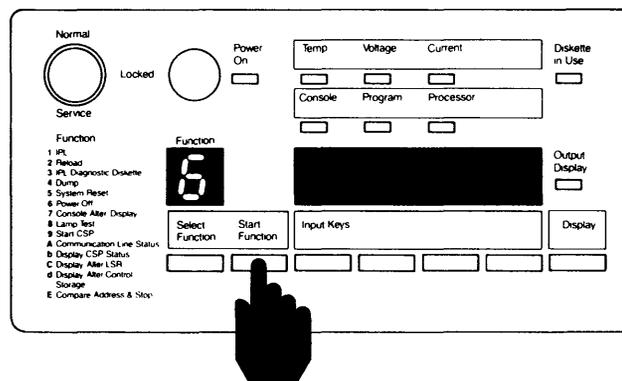
### 4.3

Turn off the computer using the following steps.

1. Press the Select Function key until **6** appears.



2. Press the Start Function key.



4.4

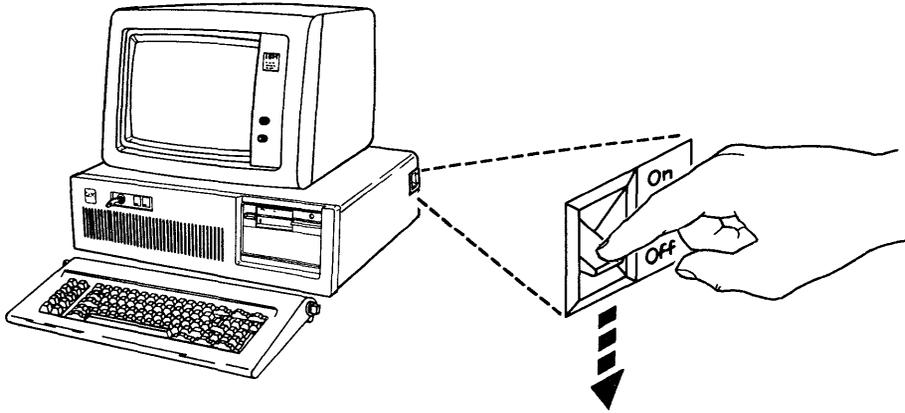
**Note:** The Select Function key automatically advances the numbers (1 through 9) and letters (A through E) until you release the key.

If you go beyond the number 6, just keep pressing the Select Function key until 6 shows up again.

The **6** will flash to indicate that the computer is turning off.

4.4

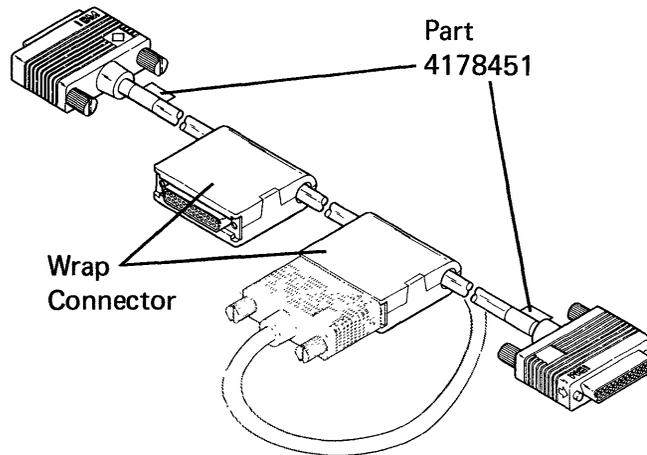
Power off the Personal Computer AT that will be used to communicate over the local area network.



An IBM Personal Computer AT (5170) must be used to connect the System/36 to the local area network.

4.5

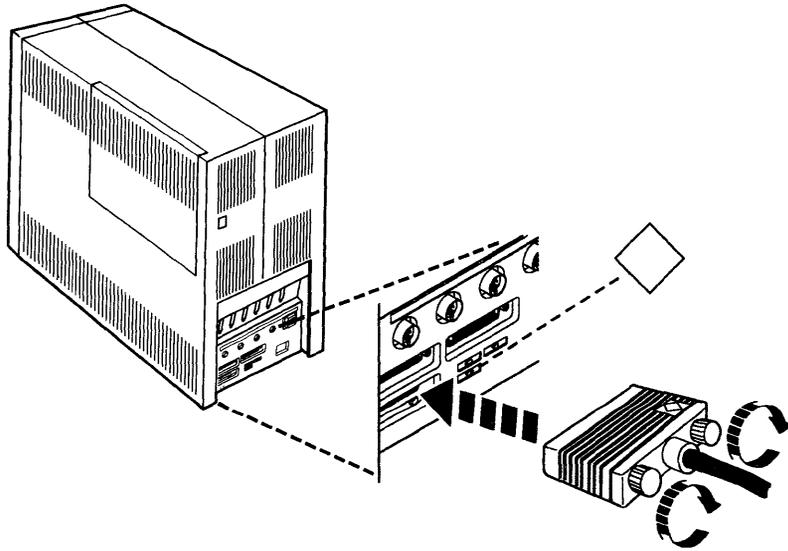
Locate the Local Area Network signal cable.



4

**4.6**

Connect the signal cable to the 5362 System Unit as follows:

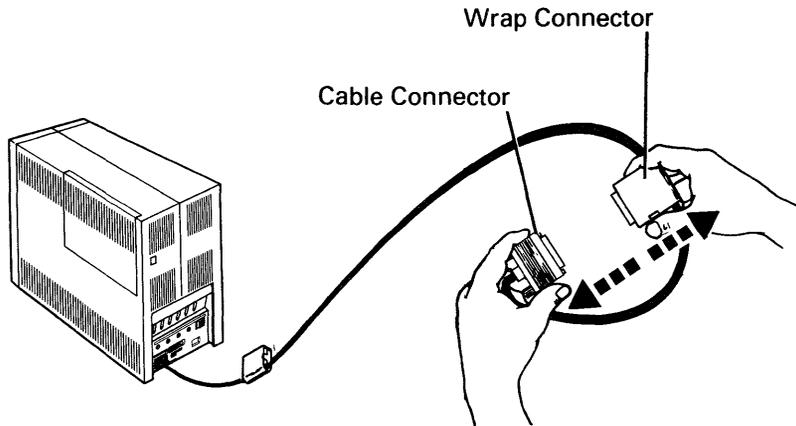


1. Match the gray diamond labeled cable connector to the port labeled with a gray diamond.
2. Align and push in the cable connector.
3. Tighten the screws.

**CAUTION:**  
Avoid connecting cables during an electrical storm.

4.7

Take the other end of the signal cable and pull the cable connector out from the wrap connector.



The Personal Computer AT must be within 8 feet of the 5362 System Unit.

4.8

Verify that the PC Token-Ring Adapter II switches are set as follows:

- For line 9, to primary adapter and interrupt level 2.
- For line 10, to alternate adapter and interrupt level 3.

Refer to the chapter, "Setting the Switches" in the manual, *Guide to Operations, SY27-3617* in the IBM Token-Ring Network PC Adapter Hardware Reference Library for information on how to do this.

4

#### 4.9

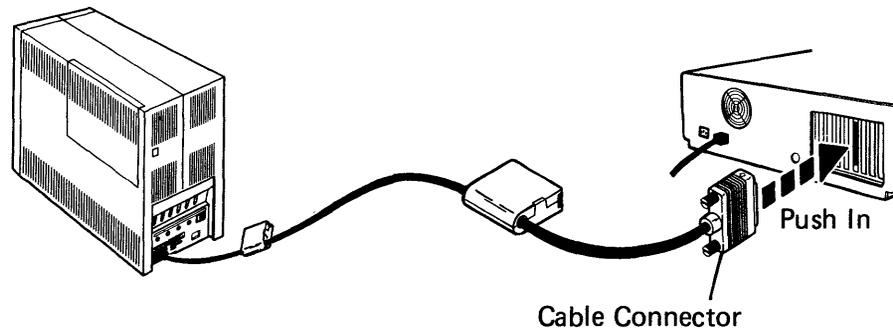
Verify that the following adapters have been installed in the Personal Computer AT and checked out:

- the System/36 LAN attachment adapter
- the IBM Token-Ring Network PC Adapter(s) II

The set up instructions and check out procedures are packaged with each device.

#### 4.10

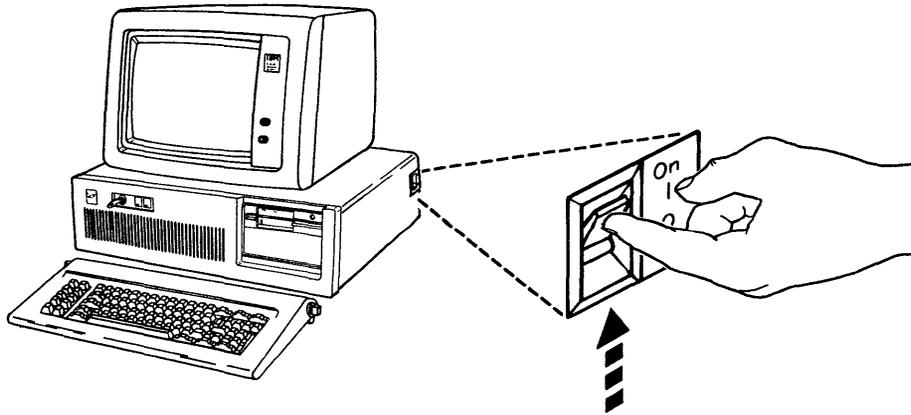
Connect the signal cable to the System/36 LAN Attachment Adapter (that you installed in the Personal Computer AT) as follows:



1. Align and push in the connector.
2. Tighten the screws.

4.11

Power on the Personal Computer AT. Do not use any diskettes in the diskette drive.



4.12

You have completed LAN setup. Go to Section 5, *Connecting the Cables to Your Display Stations and Printers*.



## Section 5. Connecting the Cables to Your Display Stations and Printers

**5.1**

Select the device you are going to connect.

- Start with the system console.
- Work with only one device at a time.

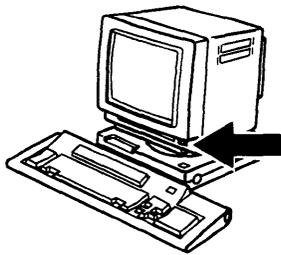
Use Forms D and F to guide you when selecting a device (a system console, display station, or printer).

You can identify a device by the picture shown in **5.2**, or by the machine number located on each device. See the IBM 5291 in **5.2** for an example.

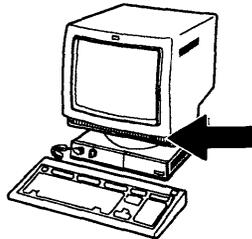
**5.2**

Set the Power switch to O (Off) on the device you are connecting.

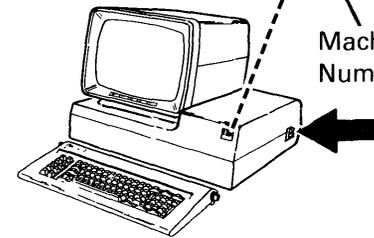
IBM 3179 Model 2



IBM 3196

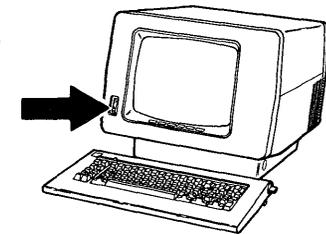


IBM 5291

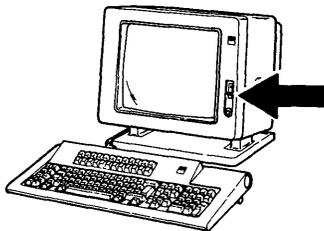


Machine Number

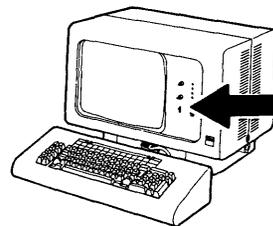
IBM 5292



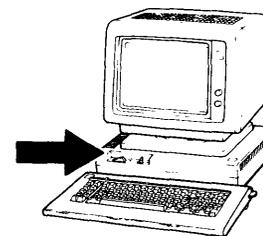
IBM 3180 Model 2



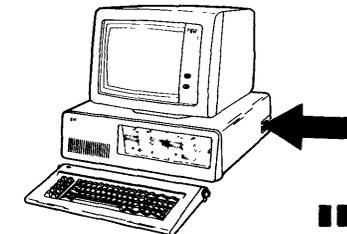
IBM 5251 Model 11



IBM 5291 Model 2



IBM Personal Computer  
(See Note 2)

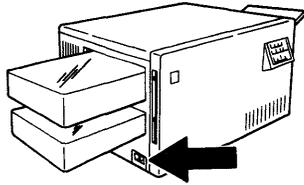
**Notes:**

1. The IBM 5551 System Unit is the device used to connect the 5555 Display Station, 5553 Printer, and 5557 Printer to the computer.
2. See Section 6 in this manual for information on how to connect the Personal Computer cables to your System/36.

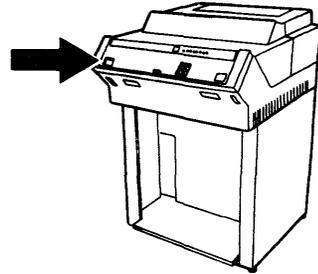
The Power switch on most work stations has two positions. The O equals off and the I equals on. Do not confuse the O and I on the Power switch with the addresses found on Form F.



**IBM 3812 Pageprinter**



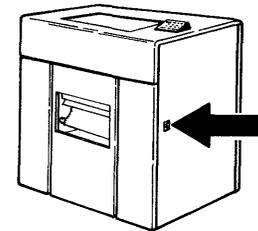
**IBM 4234 Model 2**



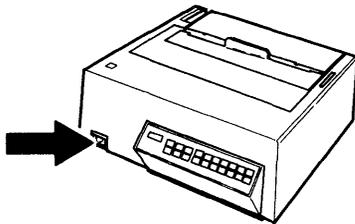
**IBM 5224**



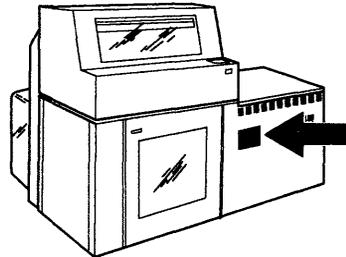
**IBM 5262 Model 1**



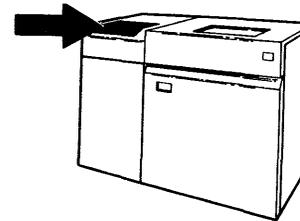
**IBM 4214 Model 2**



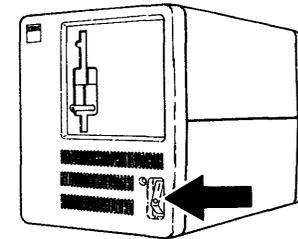
**IBM 4245**



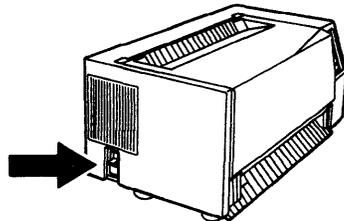
**IBM 5225**



**IBM 5551 System Unit  
(See Note 1)**



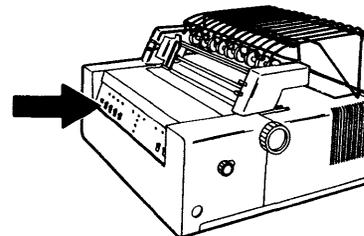
**IBM 4224**



**IBM 5219**



**IBM 5256**



Find socket 1 on the device you are working with.

Socket 1 is where you will connect the cable.

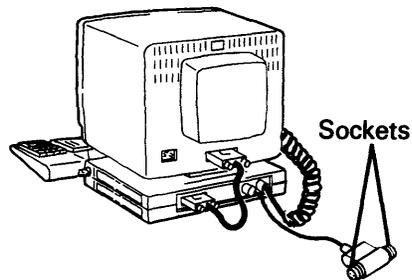
**Notes:**

1. The IBM 4214 Model 2, 5224, 5225, 5256, and 5262 Model 1 Printers have arrows instead of numbers to indicate sockets 1 and 2.
2. The IBM 3179 Model 2, 3196, and 4224 sockets are interchangeable.

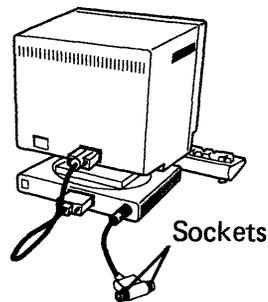
**CAUTION**

Avoid connecting cables during an electrical storm.

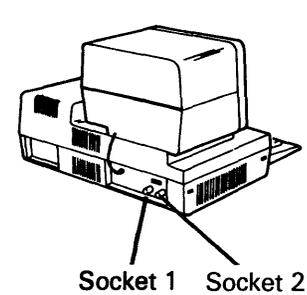
**IBM 3179 Model 2**



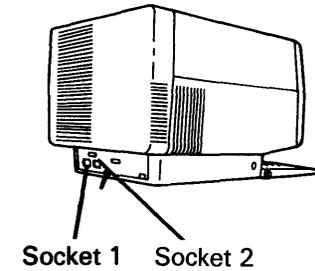
**IBM 3196**



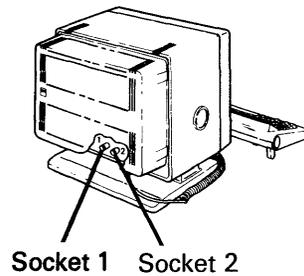
**IBM 5291**



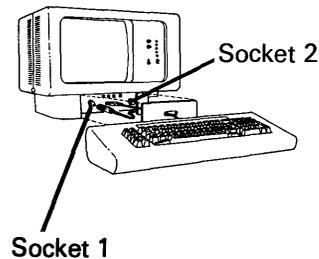
**IBM 5292**



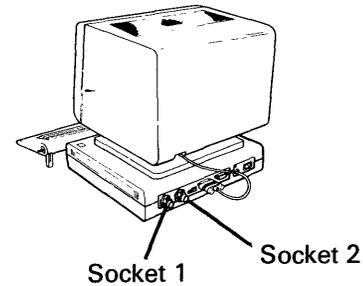
**IBM 3180 Model 2**



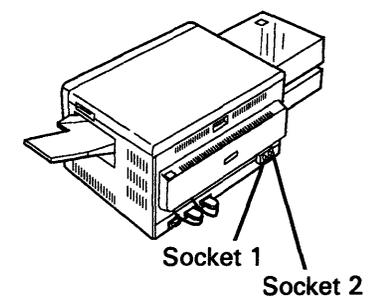
**IBM 5251 Model 11**



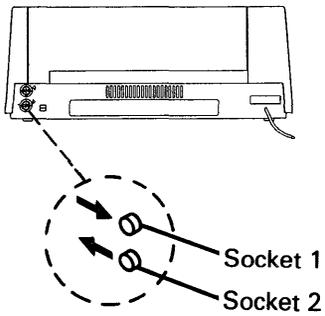
**IBM 5291 Model 2**



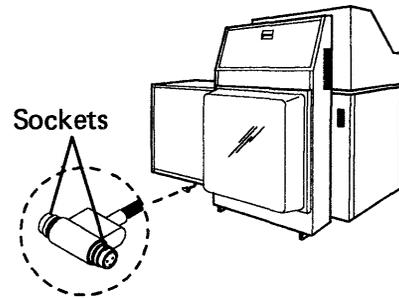
**IBM 3812 Pageprinter**



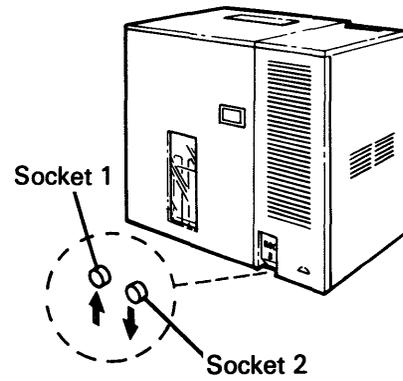
**IBM 4214 Model 2**



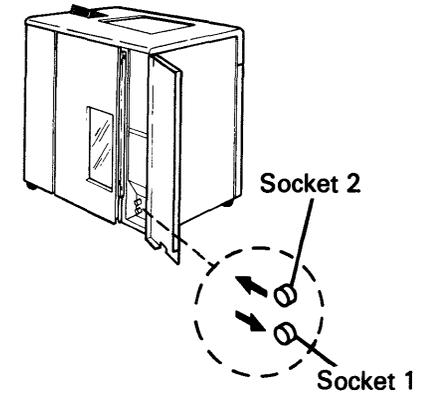
**IBM 4245**



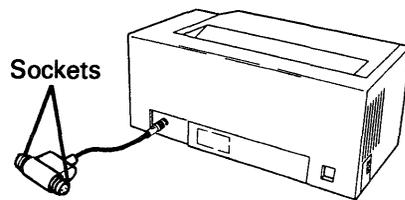
**IBM 5225**



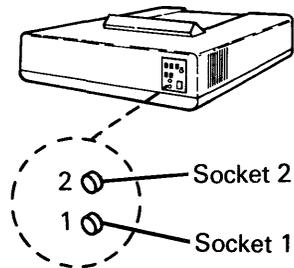
**IBM 5262 Model 1**



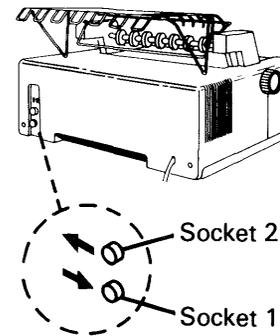
**IBM 4224**



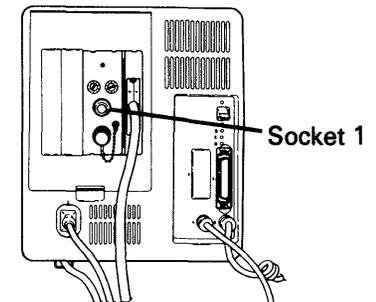
**IBM 5219**



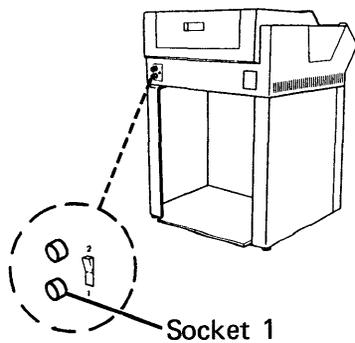
**IBM 5256**



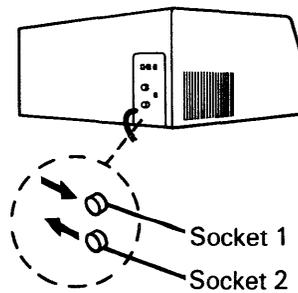
**IBM 5551 System Unit**



**IBM 4234 Model 2**

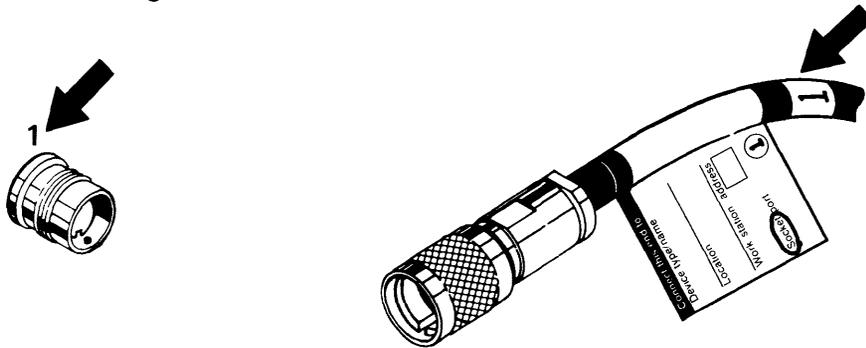


**IBM 5224**



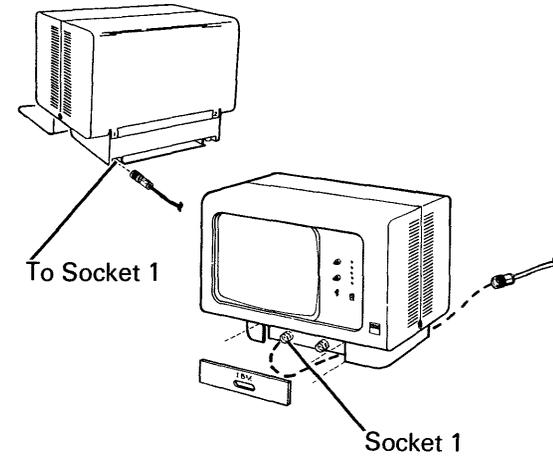
5.4

Find the cable that will connect to socket 1 on the device you are working with.



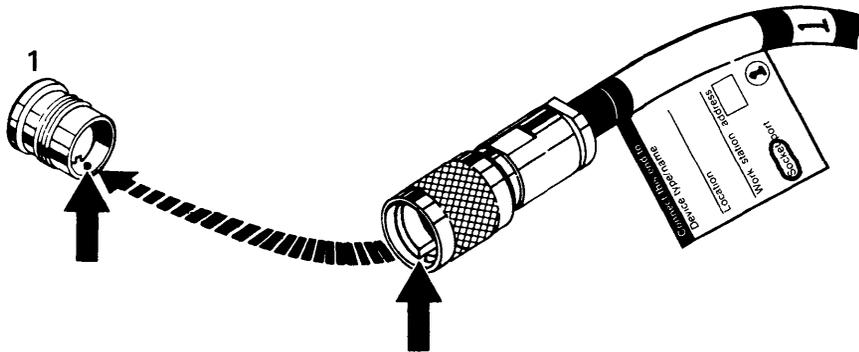
**IMPORTANT:** If you are working with a 5251 Model 11 display station, see the additional information.

On the 5251 Model 11 Display Station, the cable that attaches to socket 1 passes *under* the machine from the back to the front.



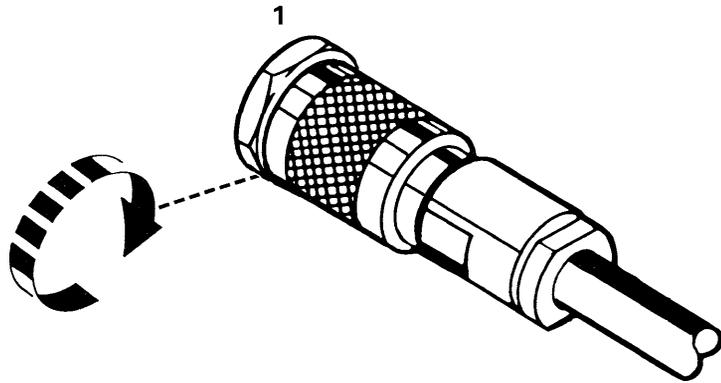
5.5

Align the widest slot in the cable to the key in socket 1.



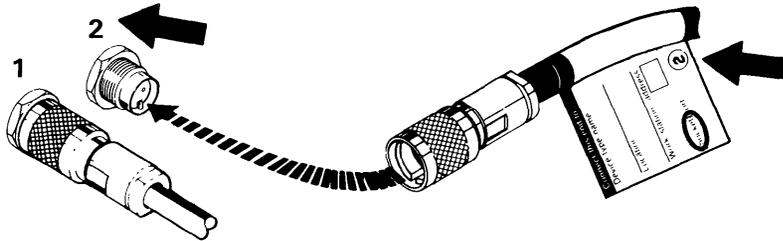
5.6

Push in, hold, and turn the retaining ring until it is tight.



5.7

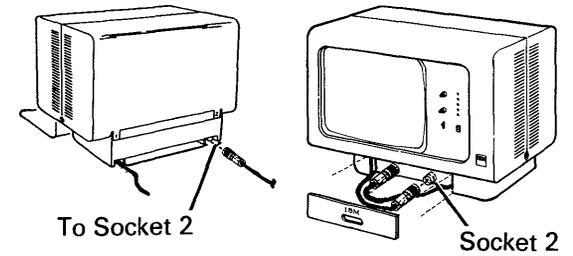
If you have a second cable to attach to the same display station or printer, connect it to socket 2.



On the 5551 System Unit, remove the Terminator connector before attaching the cable.

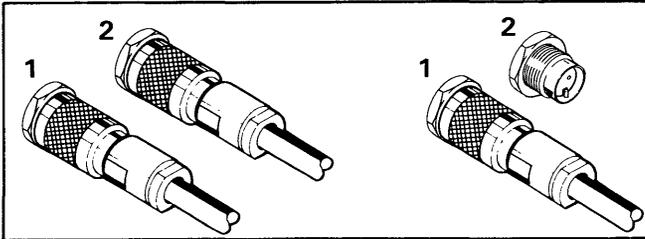


On the 5251 Display Station Model 11, the cable that attaches to socket 2 passes under the machine from the back to the front.

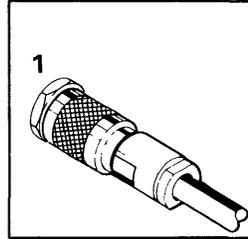


**5.8**

Count the number of sockets on the device you are working with.



OR

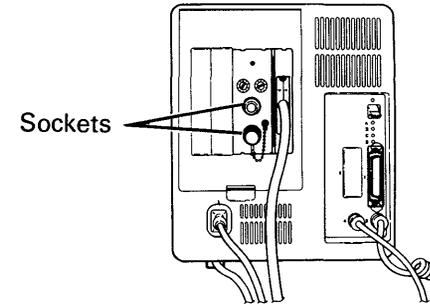


If the device  
has two sockets

**5.9**

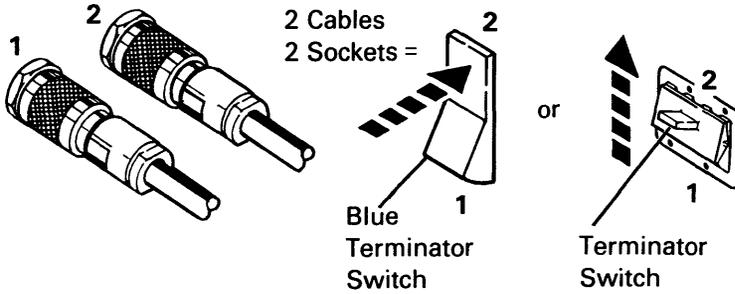
If the device  
has one socket

**5.10**

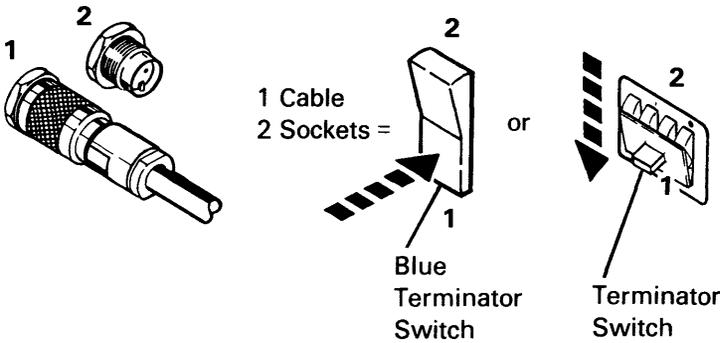


The 5551 System Unit always has two sockets. Go to **5.9**.

- Set the Terminator switch to 2 if two cables are connected.



- Set the Terminator switch to 1 if one cable is connected.

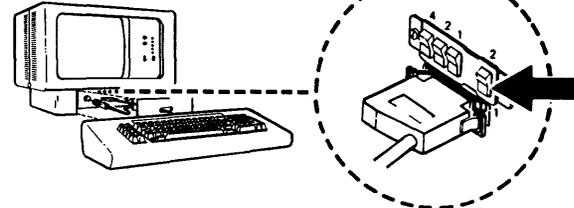


- See 5551 System Unit on a following page.

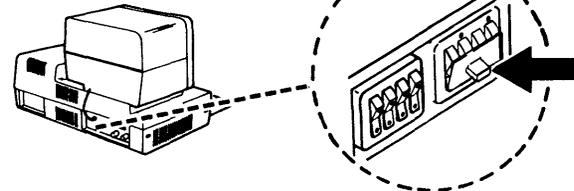
### Terminator Switch Location

On the 5251 Model 11, 5219, 5224, 5225, and 5256 Work Stations, the Terminator switch is blue and is located near the sockets.

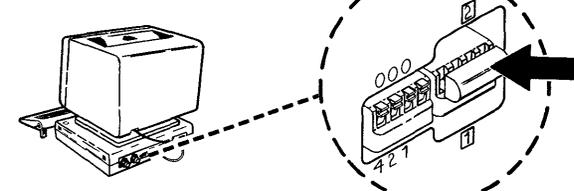
#### IBM 5251 Model 11



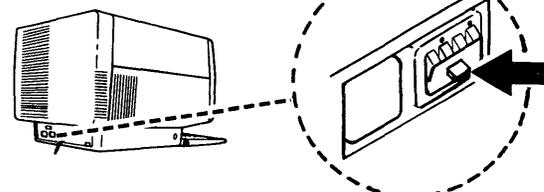
#### IBM 5291 Model 1



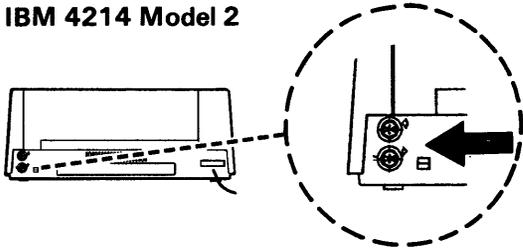
#### IBM 5291 Model 2



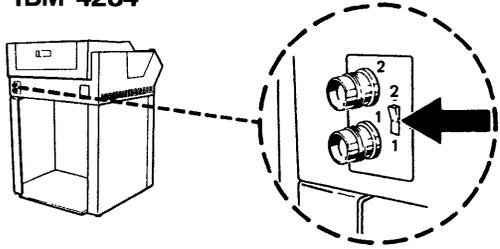
#### IBM 5292



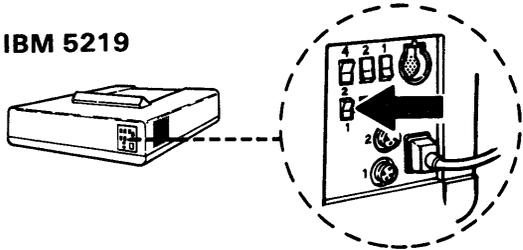
**IBM 4214 Model 2**



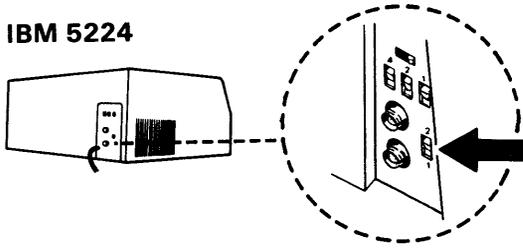
**IBM 4234**



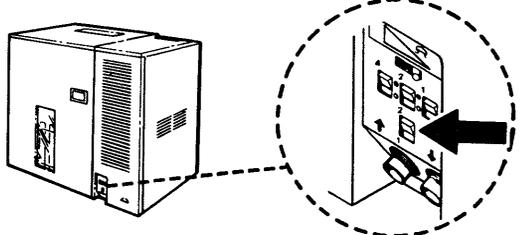
**IBM 5219**



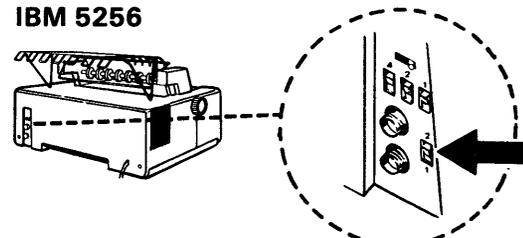
**IBM 5224**



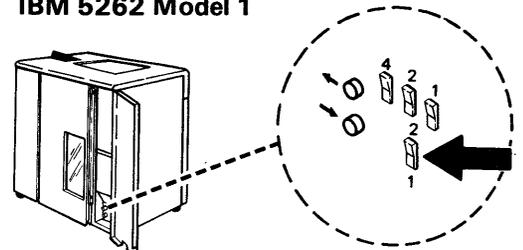
**IBM 5225**



**IBM 5256**

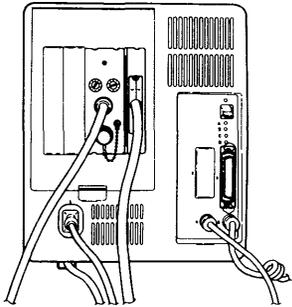


**IBM 5262 Model 1**



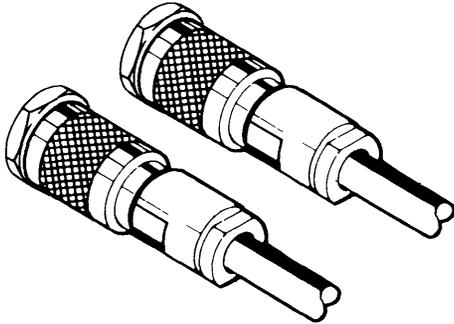
The IBM 3179 Model 2, 3180 Model 2, 3196, 3812, 4224, and 4245 do not have a Terminator switch. Termination is done automatically when you connect the cables.

## IBM 5551 System Unit

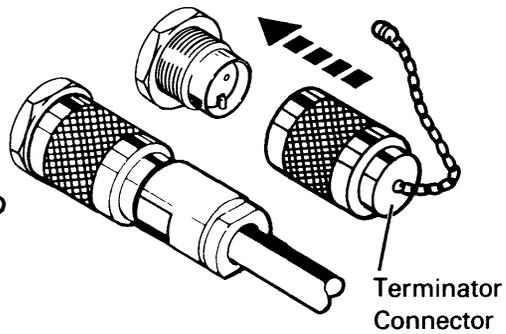


The 5555 Display and 5553 Printer do not have Address or Terminator switches. Addressing and termination are done on the 5551 System Unit.

If two cables are connected, no further step is necessary.



If one cable is connected, connect the Terminator connector.

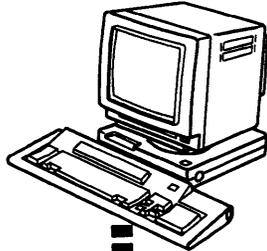


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**5.10.**

**Find the display station or printer that matches the one you are working with, and go to the appropriate step.**

**IBM 3179 Model 2**



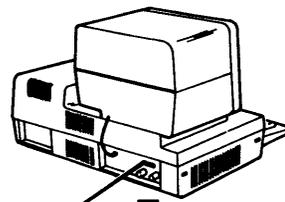
**5.54**

**IBM 3196**



**5.80**

**IBM 5291 Model 1**



Address  
Switches

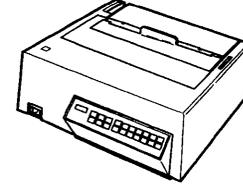
**5.17**

**IBM 5292**



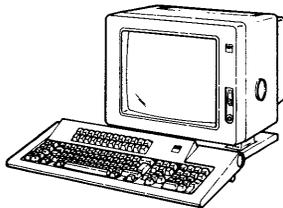
**5.23**

**IBM 4214 Model 2**



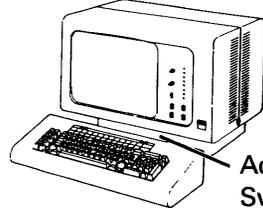
**5.47**

**IBM 3180 Model 2**



**5.35**

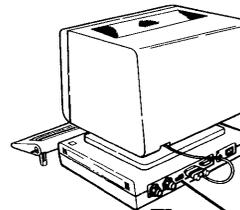
**IBM 5251 Model 11**



Address  
Switches

**5.11**

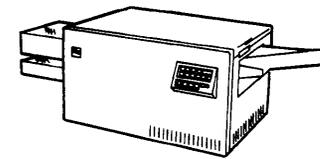
**IBM 5291 Model 2**



Address  
Switches

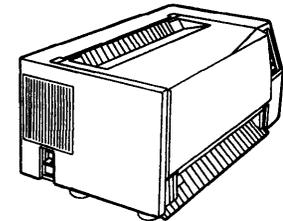
**5.42**

**IBM 3812 Pageprinter**



**5.103**

**IBM 4224**



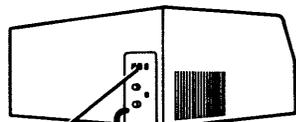
**5.71**

IBM 4234 Model 2



5.96

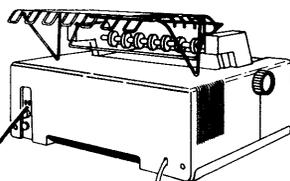
IBM 5224



Address Switches

5.13

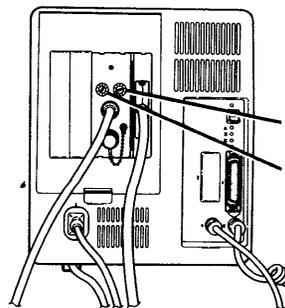
IBM 5256



Address Switches

5.12

IBM 5551 System Unit



Address Dial for the 5553 Printer

Address Dial for the 5555 Display

5.31

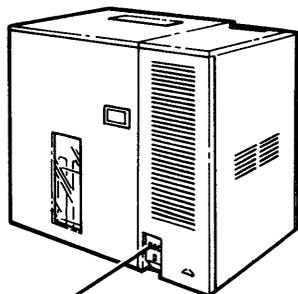
IBM 5219



Address Switches

5.13

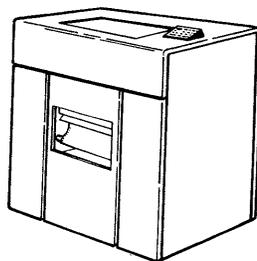
IBM 5225



Address Switches

5.12

IBM 5262 Model 1



5.13

Each display station and printer must be assigned an address. All display stations and printers, except the IBM 3179 Model 2, 3180 Model 2, 3196, and 5292 Display Stations, 4224 and 4245 Printers, are assigned addresses by setting address switches.

The address on the IBM 3179 Model 2, 3180 Model 2, 3196, and 5292 Display Stations is assigned by entering the address from the display station keyboard.

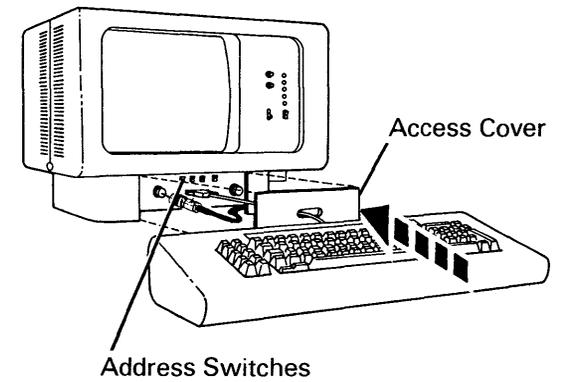
The address on the 4224 Printer is assigned by entering the address from the printer operator panel.

The address for the IBM 4245 Printer is set by the Customer Service Representative (CSR).

## 5.11

- If the IBM 5251 Display Station Model 11 has address switches, go to **5.13** .
- If the IBM 5251 Display Station does not have address switches, replace the access cover and set the Power switch to I (On). Select one of the following paths:
  - If you have another display station or printer to connect, return to **5.1** .
  - If you have connected all of the display stations and printers, go to *Section 8: Checking Out and Configuring Your Computer*.

5251 Model 11



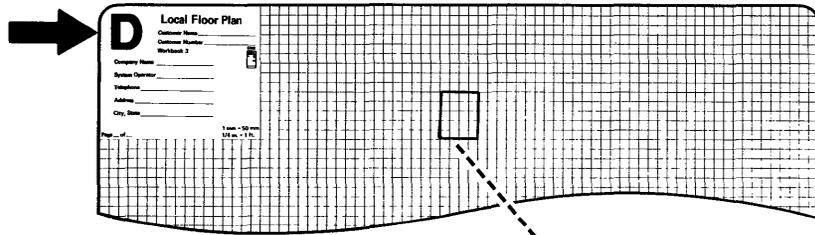
If a work station does not have address switches, the address is automatically set to 0 by the computer.

## 5.12

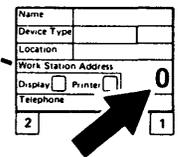
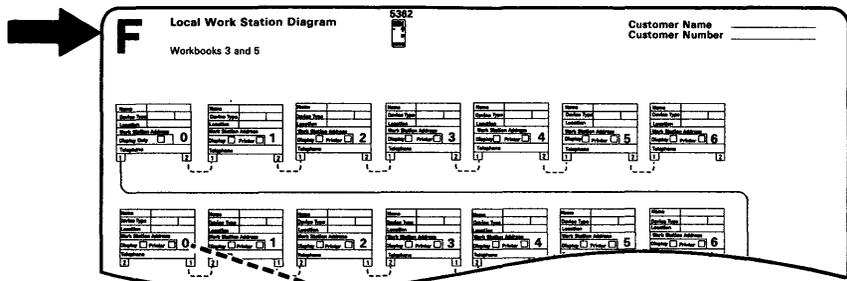
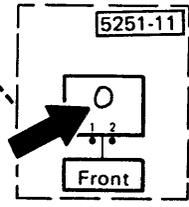
- If the 5256 or the 5225 Printer that you are working with has address switches, go to **5.13** .
- If the 5256 or 5225 Printer does not have address switches, set the Power switch to I (On). Select one of the following paths:
  - If you have another display station or printer to connect, return to **5.1** .
  - If you have connected all of the display stations and printers, go to *Section 8: Checking Out and Configuring Your Computer*.

5.13

Look at Form D or F and find the address for the display station or printer you are working on; it is a number 0 through 6.

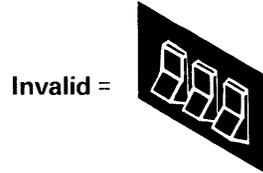
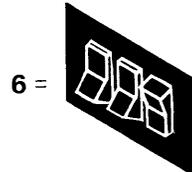
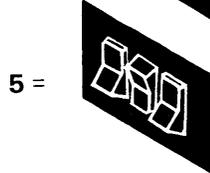
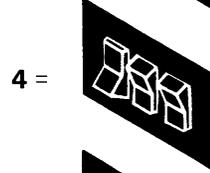
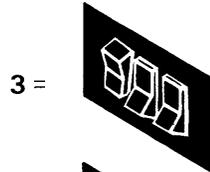
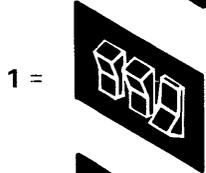
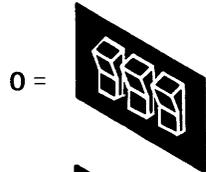


EXAMPLE

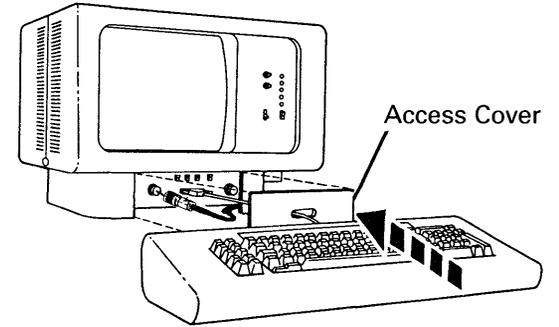


5.14

Match the work station address number to one of the following switch settings:



On the 5251 Display Station Model 11, replace the access cover after you set the address switches.



5.15

Set the Power switch to I (On).

5.16

Have you connected all of the display stations and printers?

YES



*Section 8: Checking  
Out and Configuring  
Your Computer.*

NO



5.1

If you are unsure, ask the person who planned the setup.

5.17

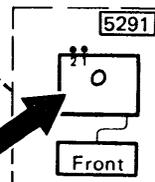
Look at Form D or F and find the address for the 5291 Display Station Model 1; it is a number 0 through 6.

**D** Local Floor Plan  
 Customer Name \_\_\_\_\_  
 Customer Number \_\_\_\_\_  
 Workbook 1

Company Name \_\_\_\_\_  
 System Operator \_\_\_\_\_  
 Telephone \_\_\_\_\_  
 Address \_\_\_\_\_  
 City State \_\_\_\_\_

Scale: 1" = 50' (H)  
 1/8" = 10' (V)

EXAMPLE



**F** Local Work Station Diagram  
 Workbooks 3 and 5

Customer Name \_\_\_\_\_  
 Customer Number \_\_\_\_\_

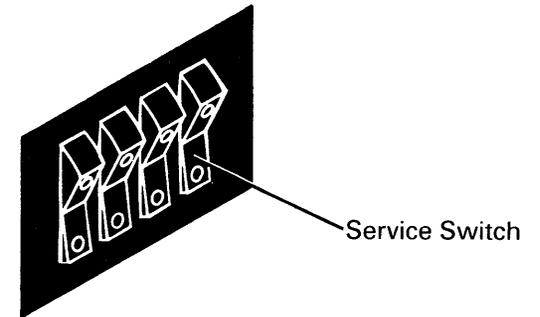
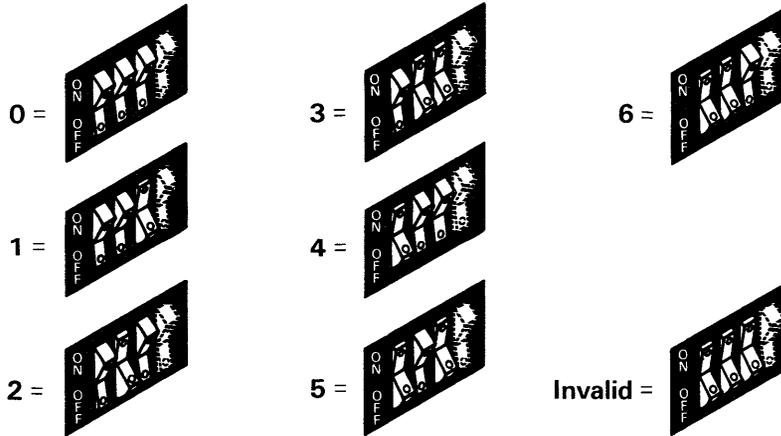
5382

Name	Device Type	Location	Work Station Address
0			
1			
2			
3			
4			
5			
6			

Name	
Device Type	
Location	
Work Station Address	0
Display	<input type="checkbox"/>
Printer	<input type="checkbox"/>
Telephone	
2	1

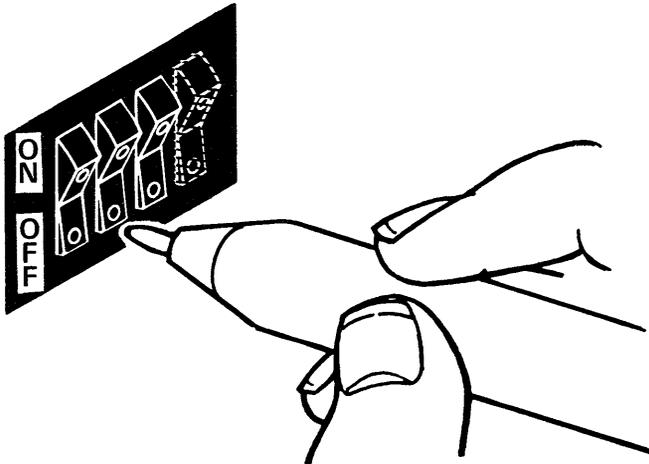
5.18

Match the work station address number to one of the following switch settings; then set the switches.



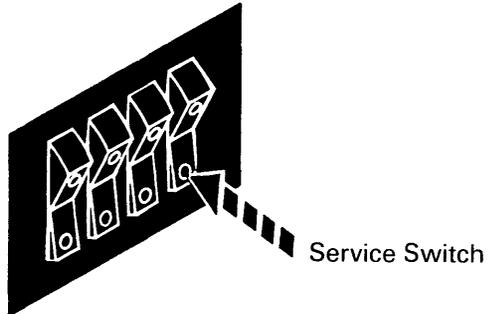
5.19

Using the switch setting in the above chart as a guide, use a ball-point pen or pencil to set the switches.



5.20

Set the Service switch to Off.



The Service switch is used by your hardware service representative.

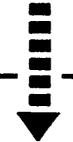
5.21

Set the Power switch to I (On).

5.22

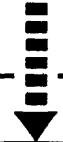
Have you connected all of the display stations and printers?

YES



*Section 8: Checking Out and Configuring Your Computer*

NO

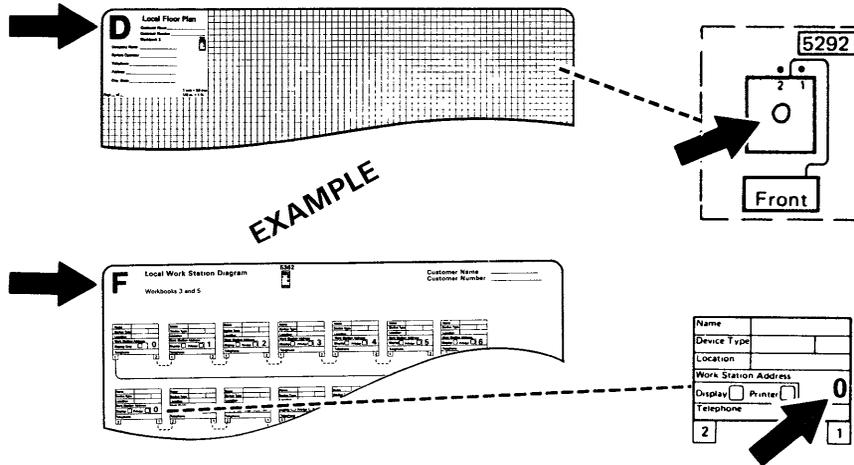


5.1

If you are unsure, ask the person who planned the setup.

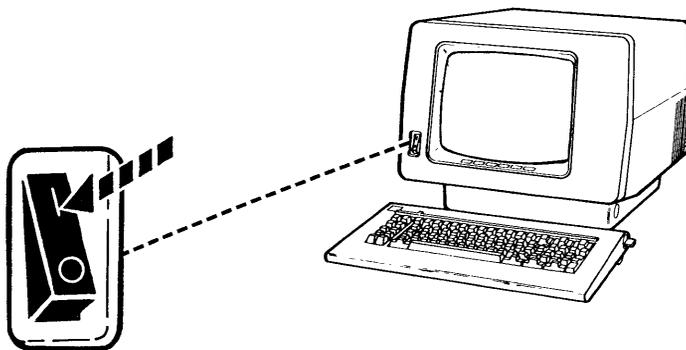
5.23

Look at Form D or F and find the address for the 5292 Display Station; it is a number 0 through 6.



5.24

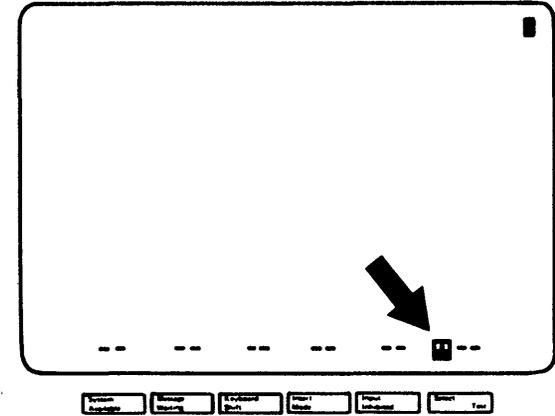
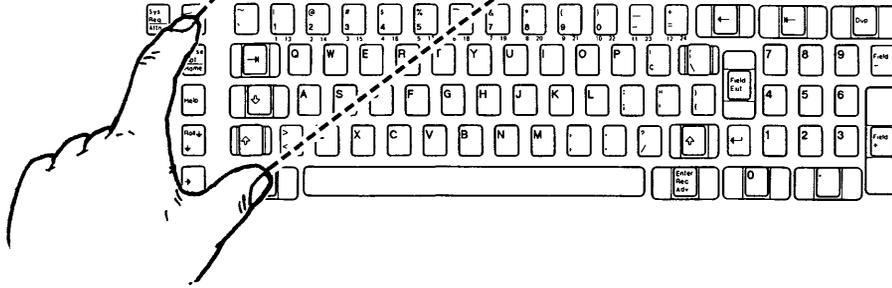
Set the 5292 Display Station Power switch to I (On).



Make sure there are no objects resting on the keyboard.

5.25

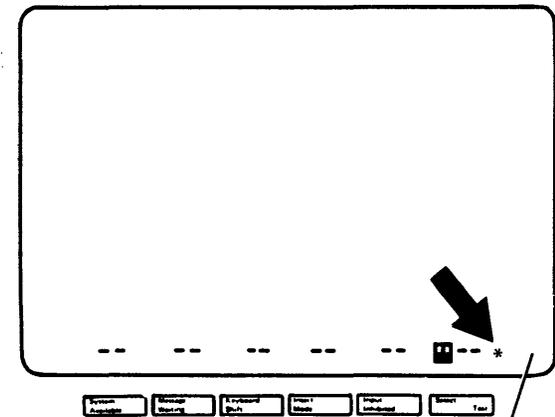
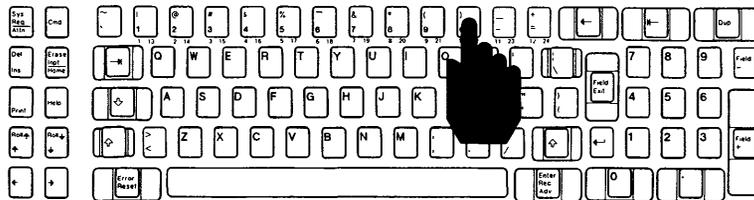
Press and hold **Cmd** key; then press **Error Reset** key. Now release the keys.



The above display appears. The Select Option indicator goes on.

5.26

Press the **0** key.

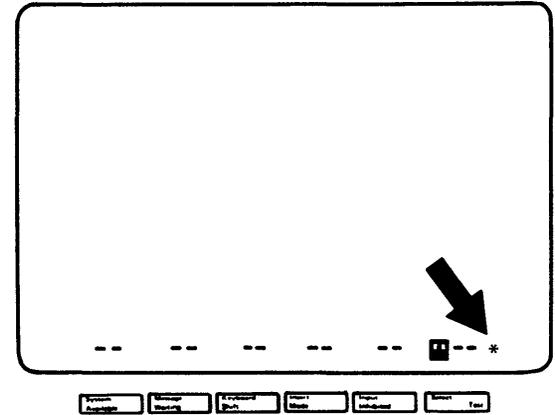
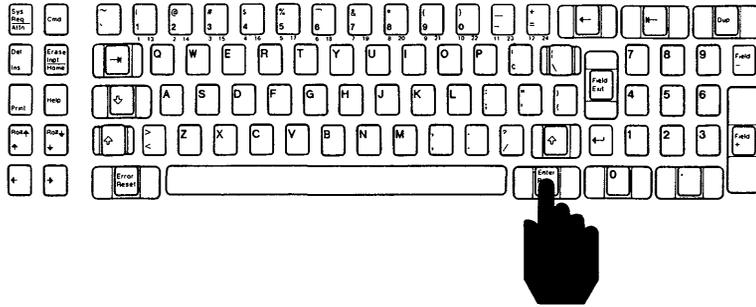


The Caution (\*) indicator appears.

Ignore the numbers that might appear here.

5.27

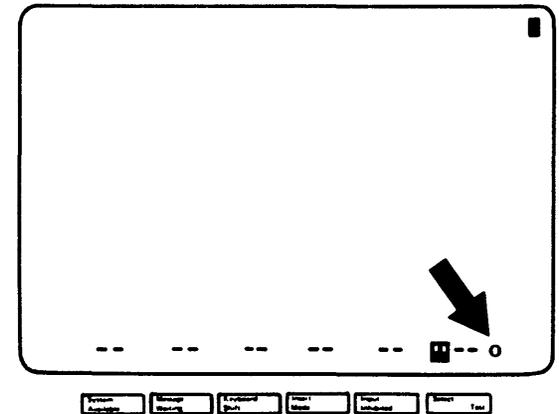
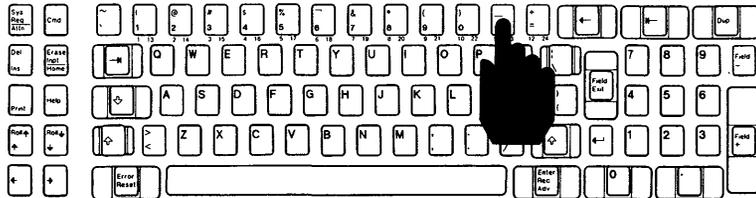
Press the  key.



The address appears in place of the Caution (\*) indicator.

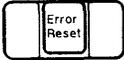
5.28

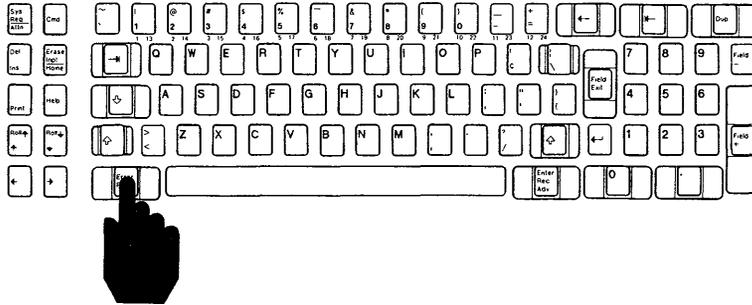
Keep pressing the  key until the address you want appears in the lower right corner of the display screen.



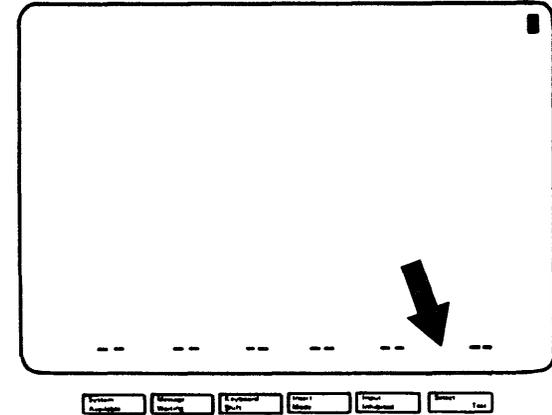
The address you want is a number 0 through 6 (as shown on Form F).

5.29

Press the  key to enter the address.



The address is now entered and saved.



The Select Option indicator (  ) goes off.

5.30

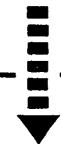
Have you connected all of the display stations and printers?

YES



*Section 8: Checking Out and Configuring Your Computer*

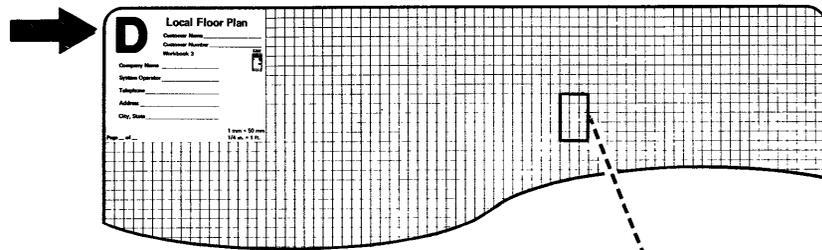
NO



5.1

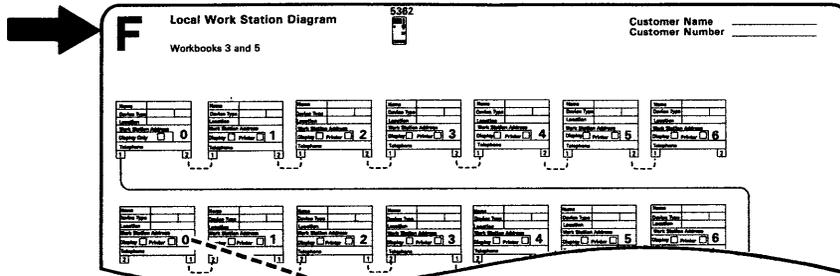
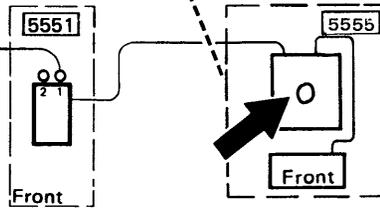
If you are unsure, ask the person who planned the setup.

Look at Form D or F and find the address for the 5555 Display Station or 5553 Printer; it is a number 0 through 6.



To a Port on the Computer

EXAMPLE

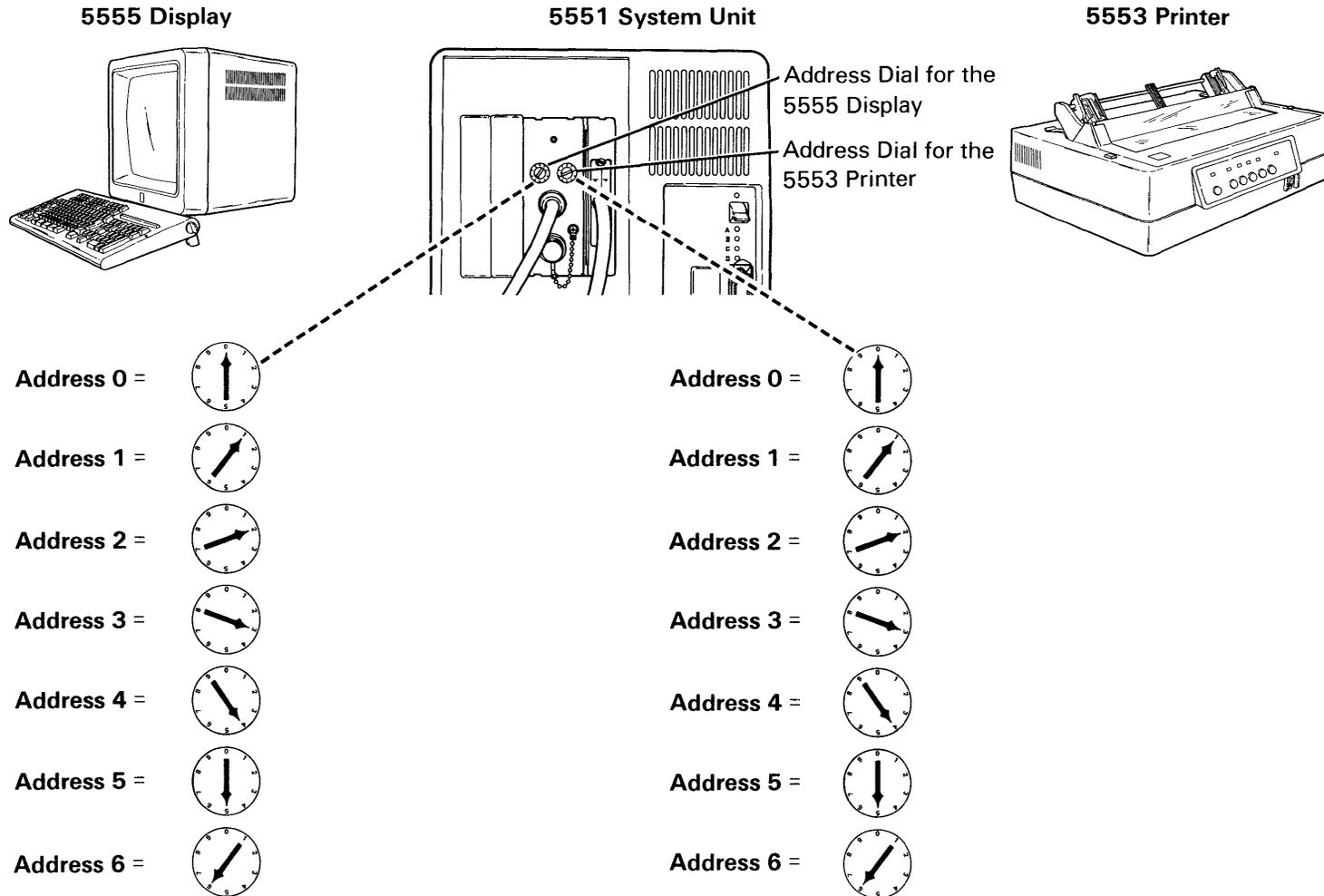


Name	Yutaka
Device Type	5555
Location	ACCOUNTING
Work Station Address	0
Display	<input checked="" type="checkbox"/>
Printer	<input type="checkbox"/>
Telephone	2 1

5.32

- Turn the left dial on the 5551 System Unit to match the address of the 5555 Display.
- If you have a 5553 Printer attached to the same system unit, turn the right address dial to match the address of the 5553 Printer.

**Note:** If you do not have a 5553 Printer attached to the same system unit, set the address dial to 9.



**5.33**

Set the Power switch on the 5551 System Unit and the 5553 Printer (if you have one) to the I (On) position.

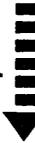
The 5555 Display does not have a Power switch.

**5.34**

Have you connected all the 5551 System Units?

If you are unsure, ask the person who planned the setup.

YES



*Section 8: Checking Out and Configuring Your Computer*

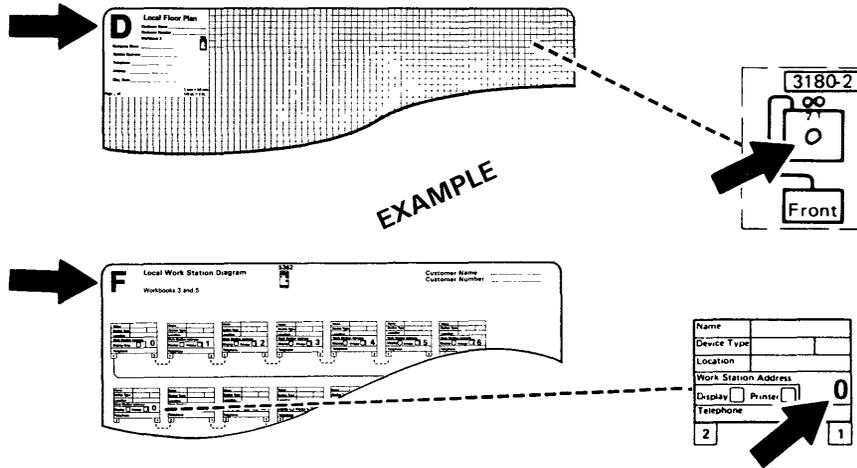
NO



**5.1**

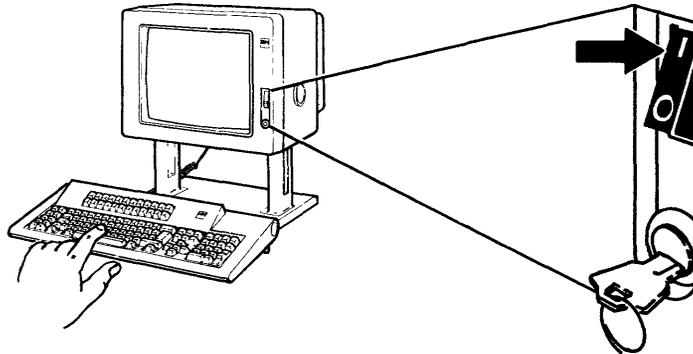
5.35

Look at Form D or F and find the address for the 3180 Display Station Model 2; it is a number 0 through 6.

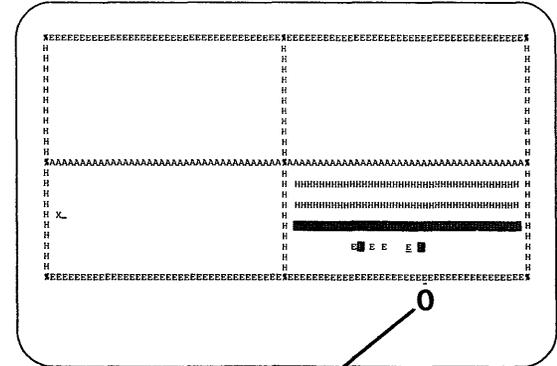


5.36

Press and hold any key on the keyboard and set the Power switch to I (On).



**Note:** If a 9012 error code appears on the bottom of the display, set the Power switch to O (Off) and begin again.

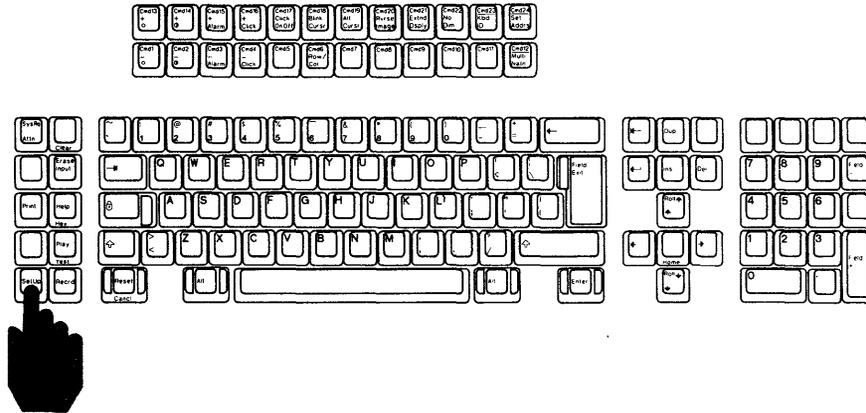


Display Station Address

For an explanation of the 9012 error code, see the setup manual for the 3180 Model 2.

5.37

Press the **Setup** key.

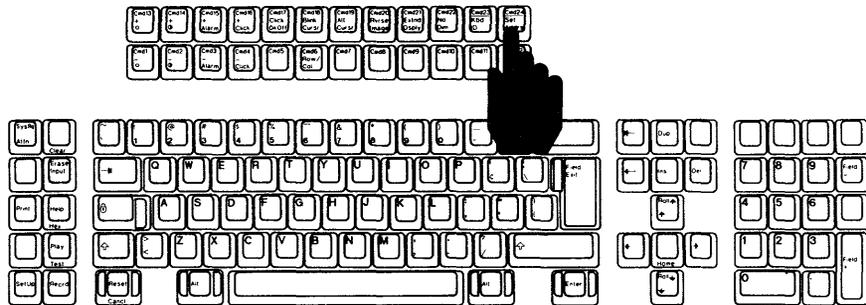


A blinking diamond appears on the bottom of the display.



5.38

Press the **Cmd24 Set Addr** key.



The display station address on the bottom of the display increases. (If the key is pressed when a 6 is displayed, the number changes to 0 and the cycle starts over.)



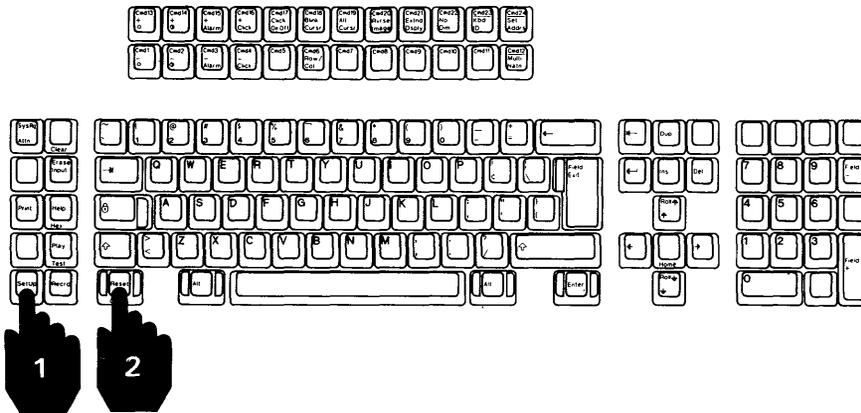
5.39

Keep pressing the Set Address key until the display station address (a number 0 through 6) assigned to your display station appears on the bottom of the display.



5.40

Your display station address is now on the display. You must now (1) press the Set Up key and then (2) press the Reset key.

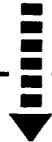


The address is now entered.

5.41

Have you connected all of the display stations and printers?

YES



*Section 8: Checking Out and Configuring Your Computer*

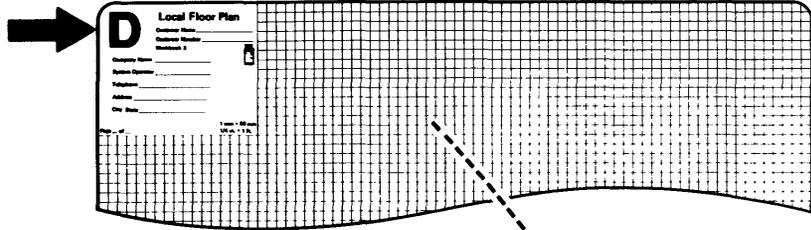
NO



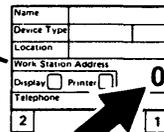
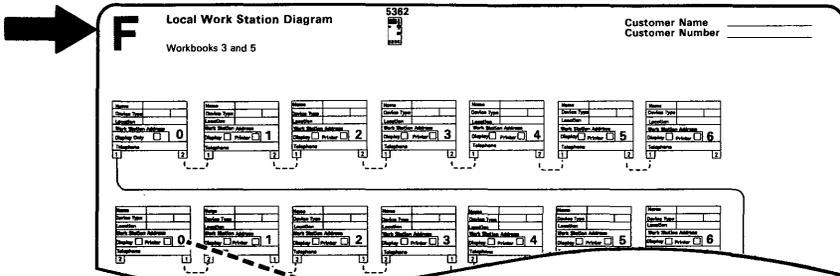
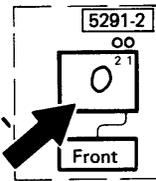
5.1

5.42

Look at Form D or F and find the address for the 5291 Display Station Model 2; it is a number 0 through 6.

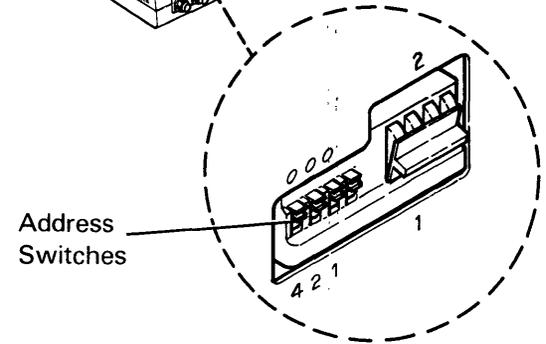
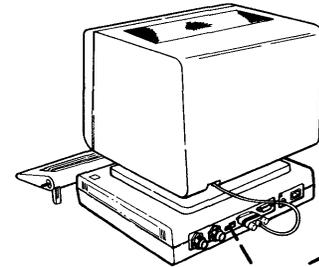


EXAMPLE



Each 5291 Display Station Model 2 must be assigned an address. The 5291 Display Station Model 2 is assigned an address by setting address switches.

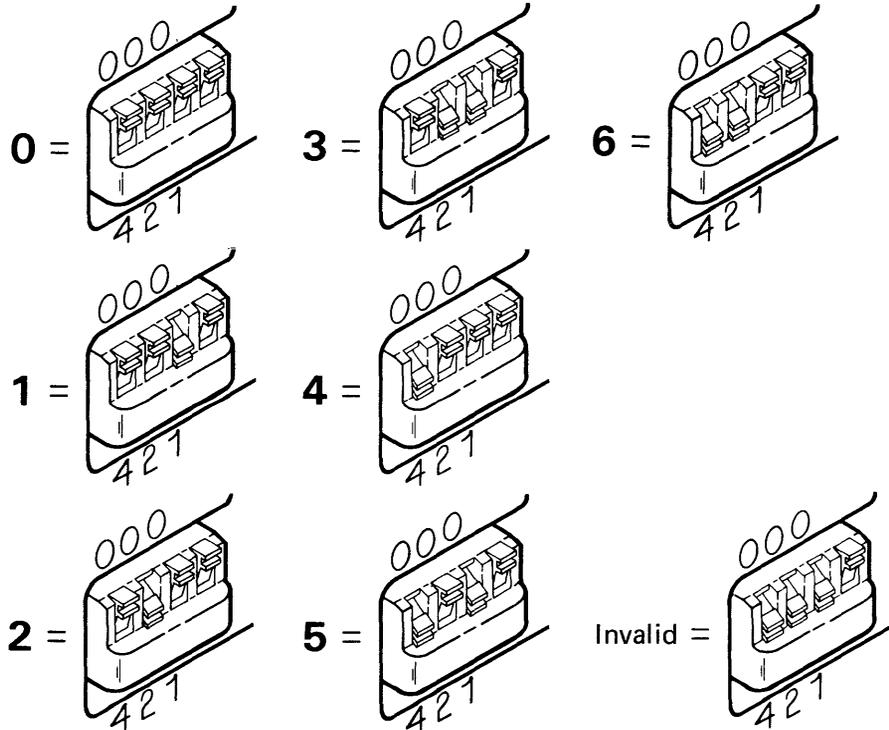
IBM 5291 Model 2



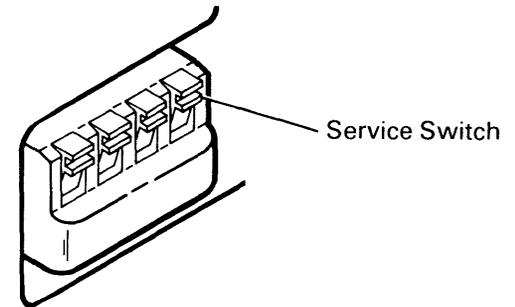
Address Switches

**5.43**

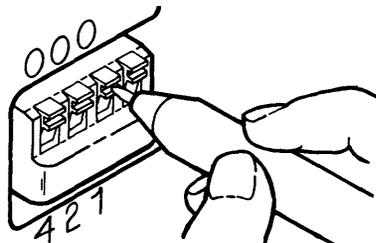
Match the work station address number to one of the following switch settings:



The Service switch is used by the hardware service representative. It has nothing to do with setup. Make sure the Service switch is set to Off.

**5.44**

Using the switch setting in the above chart as a guide, use a ball-point pen or a pencil to set the switches.



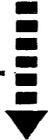
5.45

Set the Power switch to I (On).

5.46

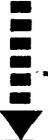
Have you connected all of the display stations and printers?

YES



*Section 8: Checking Out and  
Configuring Your Computer*

NO



5.1

If you are unsure, ask the person who planned the setup.

5.47

Look at Form D or F and find the address for the 4214 Printer Model 2; it is a number 0 through 6.

**D** Local Floor Plan

Customer Name \_\_\_\_\_  
Address \_\_\_\_\_  
Workbook 1

Display Type \_\_\_\_\_  
Printer \_\_\_\_\_  
Telephone \_\_\_\_\_

EXAMPLE

4214-2

OO

2 1

Front

**F** Local Work Station Diagram

5382

Customer Name \_\_\_\_\_  
Customer Number \_\_\_\_\_

Workbooks 3 and 5

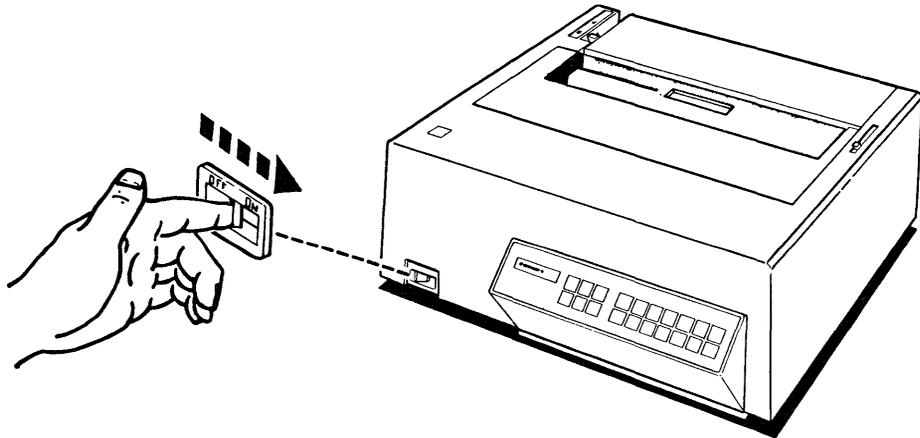
Name	Device Type	Location	Work Station Address
0	1	2	3
4	5	6	

Name	Device Type	Location	Work Station Address
0	1	2	3
4	5	6	8

Name	Device Type	Location	Work Station Address
Display	Printer		0
Telephone		2	1

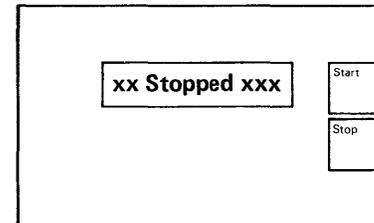
5.48

Set the Power switch on the 4214 Printer Model 2 to the I (On) position.



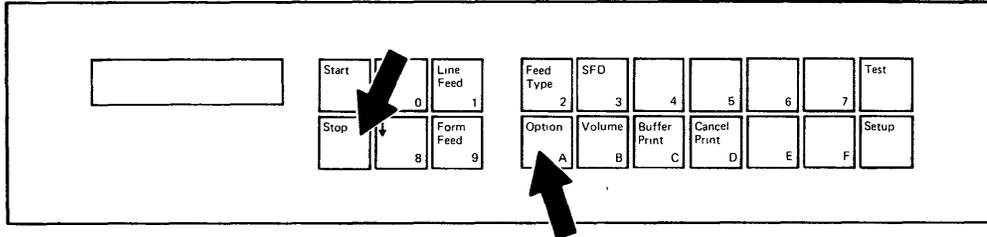
After approximately 1 minute:

*11 Stopped CTF (continuous form), 11 stopped DOD (document on demand), or 11 stopped MSF (manual sheet feed) will appear on the 4214 Printer Model 2 output display. For more information, refer to the manual 4214 Printer Model 2 Operator Guide, GC31-2581.*

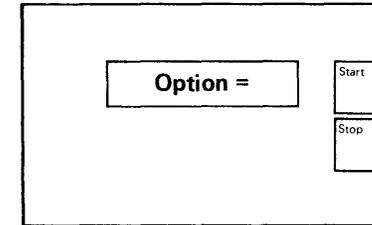


5.49

Press the **Stop** key, then press the **Option** key.

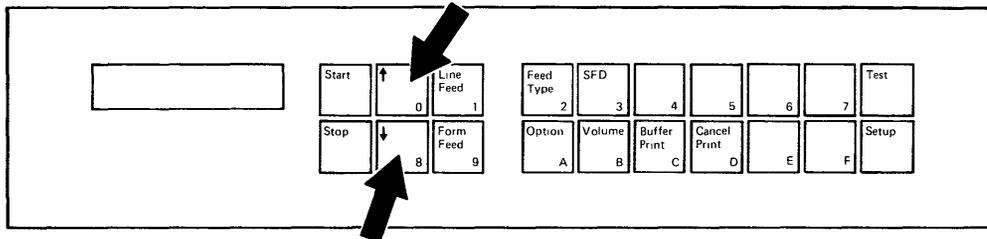


*Option* = appears on the 4214 Printer Model 2 output display:

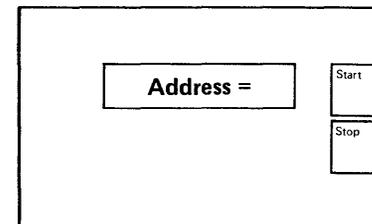


5.50

Press the **↑** key and the **↓** key.

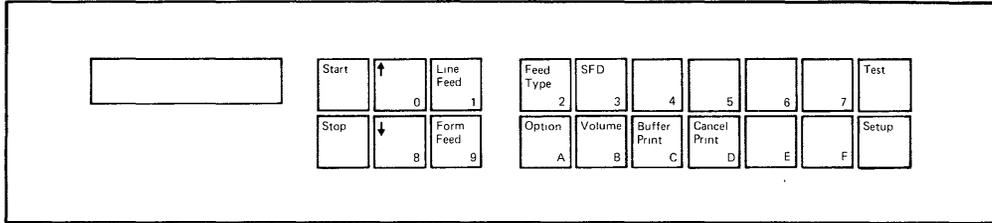


*Address* = appears on the 4214 Printer Model 2 output display:



**5.51**

Press the number (0 through 6) for the address you assigned the 4214 Printer Model 2:



If you enter an incorrect number, press

the  key and start again from

step **5.47**

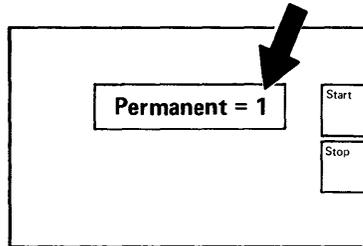
5.52

To permanently save the address you assigned, do the following:

a. Press the  key.

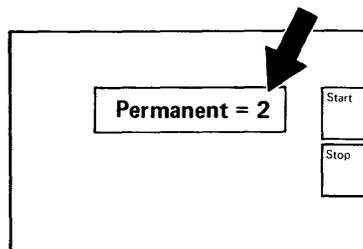
b. Press the  key twice.

*Permanent = 1* appears on the 4214 Printer Model 2 output display:



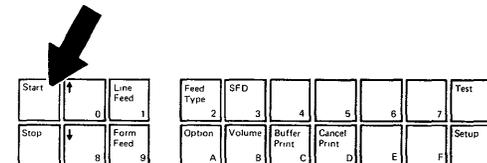
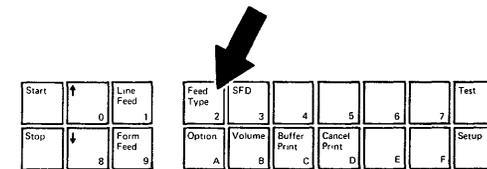
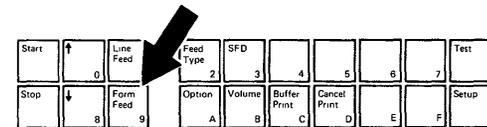
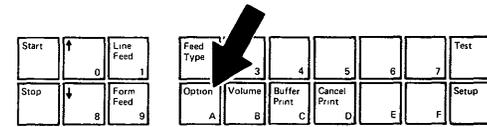
c. Press the  key.

*Permanent = 2* appears on the 4214 Printer Model 2 output display:



d. When you see the message *Permanent = 2*, press the  key to save the address you assigned.

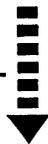
**Note:** The 2 means that you can choose to save the address; it is not necessarily the address you assigned.



5.53

Have you connected all the display stations and printers?

YES



*Section 8: Checking Out and Configuring Your Computer*

NO

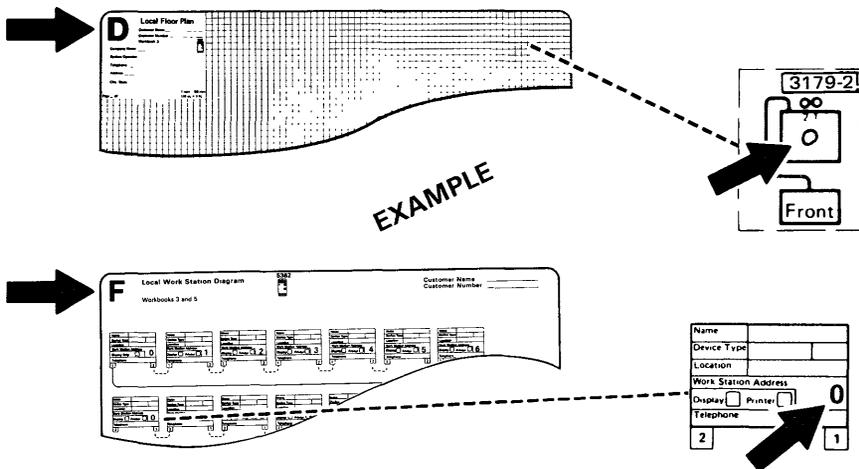


5.1

If you are unsure, ask the person who planned the setup.

5.54

Look at Form D or F and find the address for the 3179 Display Station Model 2; it is a number 0 through 6.



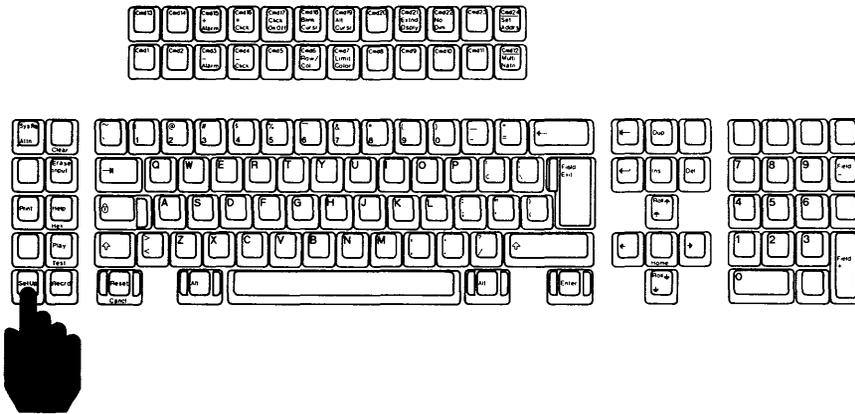
5



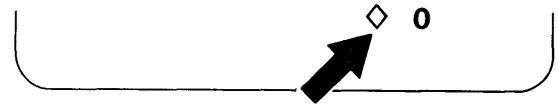


5.57

Press the  key.

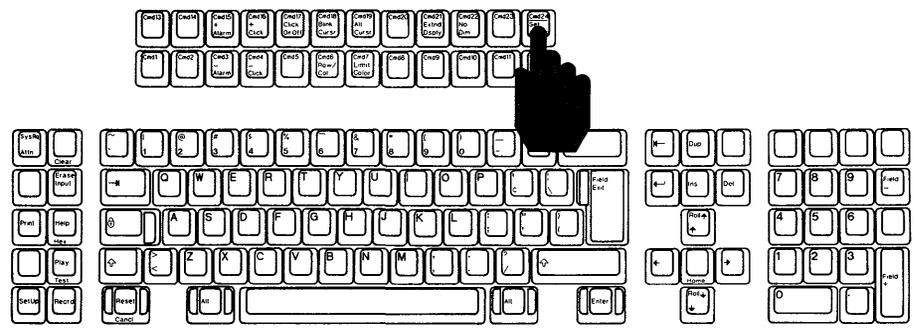


A blinking diamond appears on the bottom of the display.

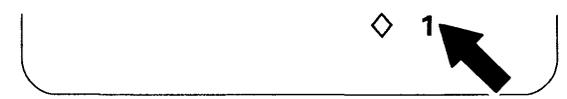


5.58

Press the  key.



The display station address on the bottom of the display increases. (If the key is pressed when a 6 is displayed, the number changes to 0 and the cycle starts over.)



**Note:** If 9012 appears on the bottom of the display, repeat step **5.58**.

5.59

Keep pressing the  key until the display station address (a number 0 through 6) assigned to your display station appears on the bottom of the display.



5.60

Do you have the Multinational Character Set feature on your system?

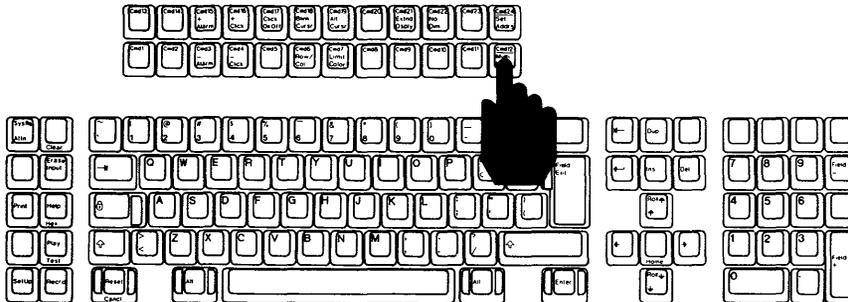
YES

NO

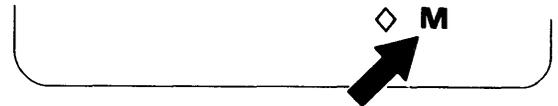
5.62

5.61

Press the Multinational Character Set  key.

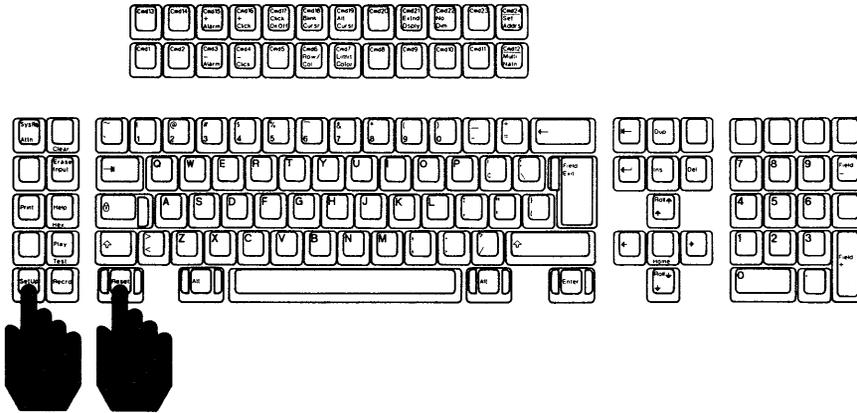


The Multinational Character Set indicator appears on the bottom of the display.



5.62

Press the  key. Press the  key.



5.63

Have you connected all of the display stations and printers?

YES



*Section 8: Checking Out and Configuring Your Computer*

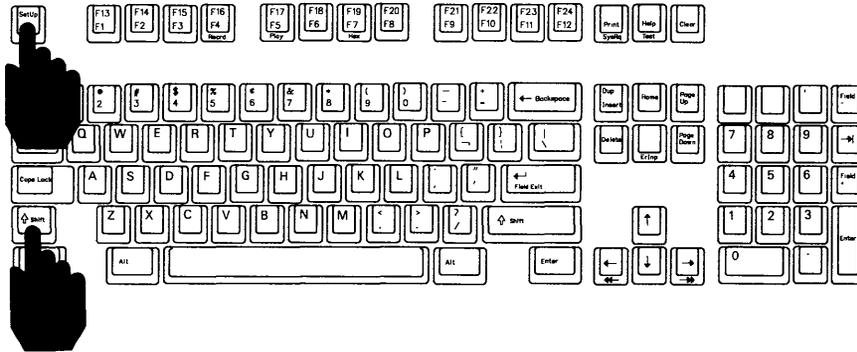
NO



5.1

5.64

Press and hold the  Shift key, then press the  key.

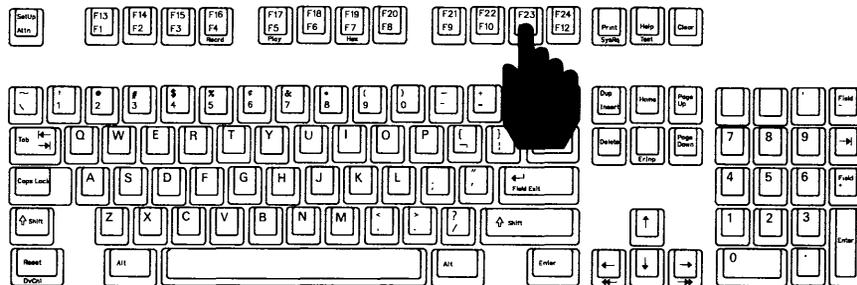


A blinking diamond appears on the bottom of the display.



5.65

Press the  key.



The display station address (a number 0 through 6) appears beside the blinking diamond on the bottom of your display.



**Note:** If 9012 appears on the bottom of the display, repeat step **5.65**.

5.66

Keep pressing the  key until the display station address (a number 0 through 6) assigned to your display station appears on the bottom of the display.



5.67

Do you have the Multinational Character Set feature on your system?

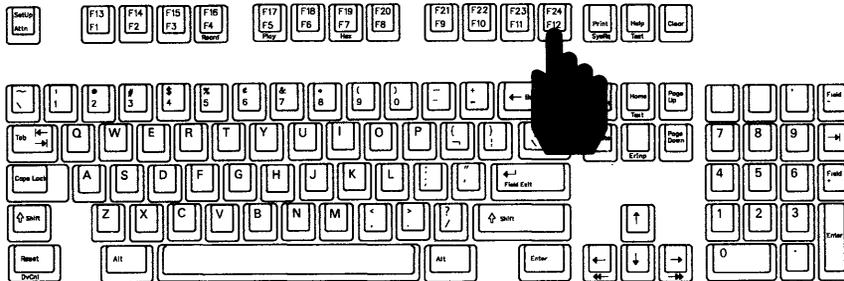
YES

NO

5.69

5.68

Press the Multinational Character Set  key.



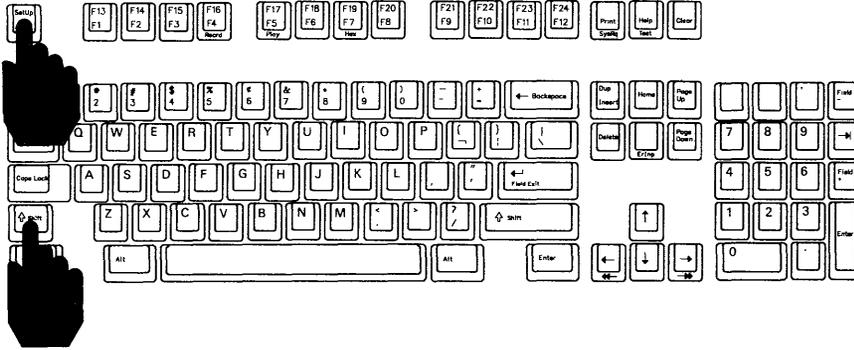
The Multinational Character Set indicator appears on the bottom of the display.



5

5.69

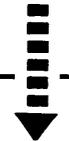
Press the  key and the  key. Press the  key.



5.70

Have you connected all of the display stations and printers?

YES



*Section 8: Checking Out and Configuring Your Computer*

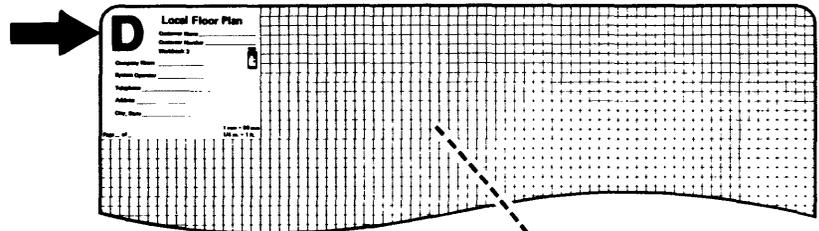
NO



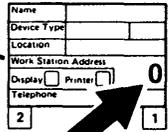
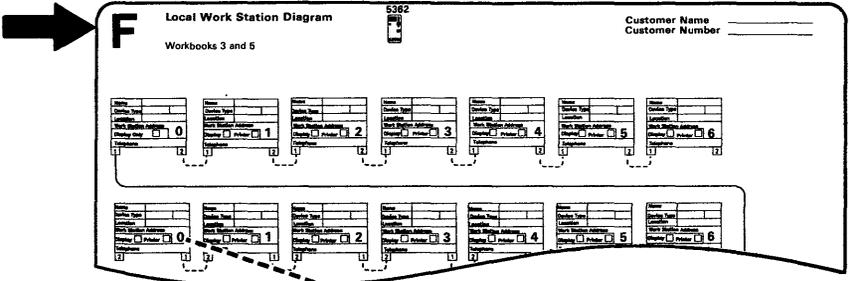
5.1

5.71

Look at Form D or F and find the address for the 4224 Printer; it is a number 0 through 6.

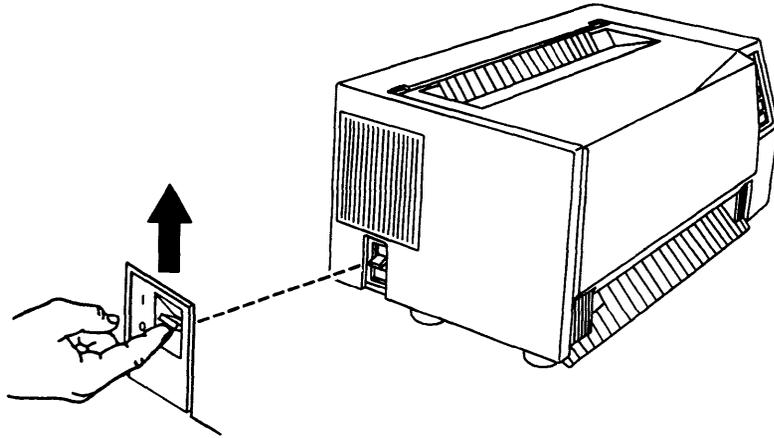


EXAMPLE



5.72

Set the Power switch on the 4224 Printer to the I (On) position.



5.73

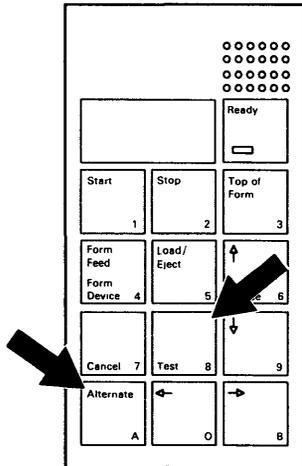
Press and hold the



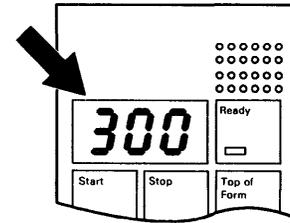
key, then press the



key.

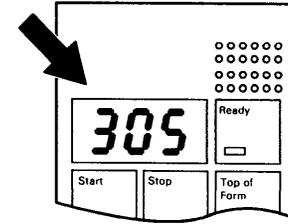
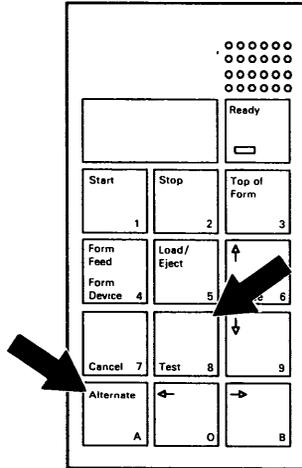


300 appears on the 4224 Printer operator panel display:



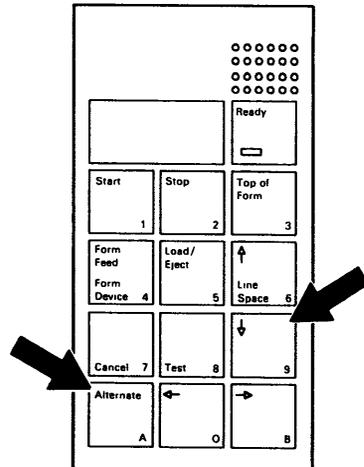
5.74

Press and hold the  key; keep pressing the  key until 305 appears on the 4224 Printer operator panel display:

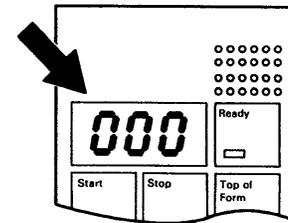


5.75

Press and hold the  key, then press the  key.



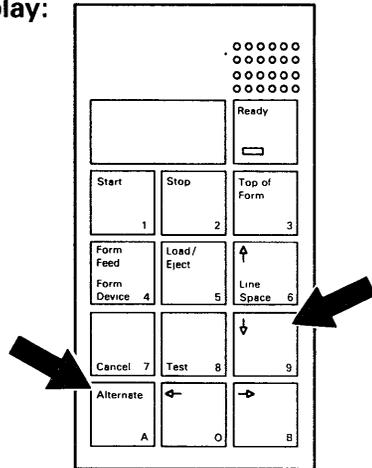
000 appears on the 4224 Printer operator panel display:



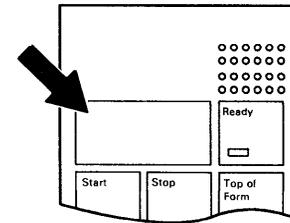
5.76

Press and hold the  key; keep pressing the  key

until the address you want appears on the 4224 Printer operator panel display:

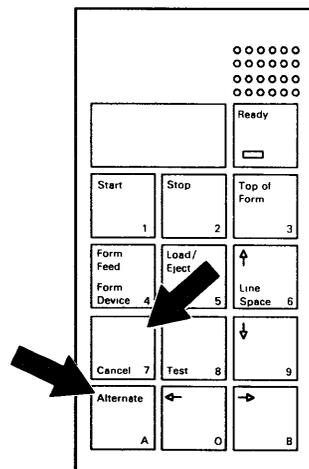


Valid addresses are 000 through 006 (0 through 6):



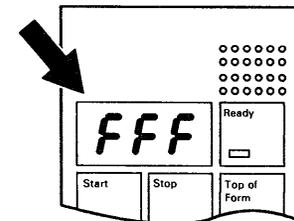
5.77

Press and hold the  key, then press the  key.

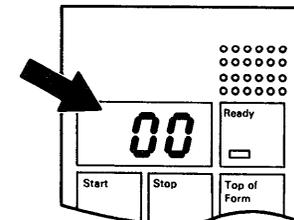


The following occurs:

1. FFF appears on the 4224 Printer operator panel display:

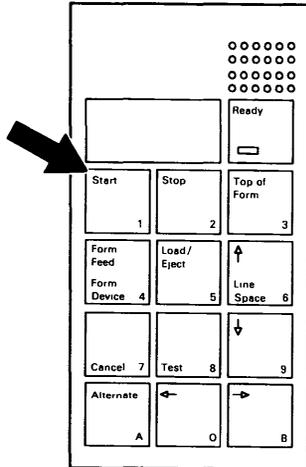


2. The printer goes through some diagnostic tests and the address is stored when 00 appears:

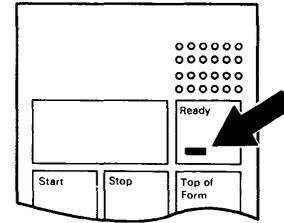


5.78

Press the  key.



The Ready light comes on:



5.79

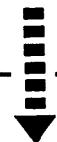
Have you connected all the display stations and printers?

YES



*Section 8: Checking Out and Configuring Your Computer*

NO

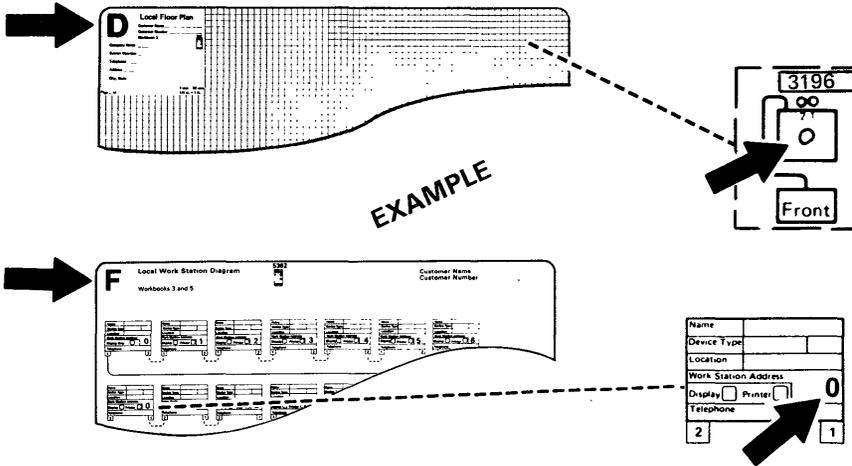


5.1

If you are unsure, ask the person who planned the setup.

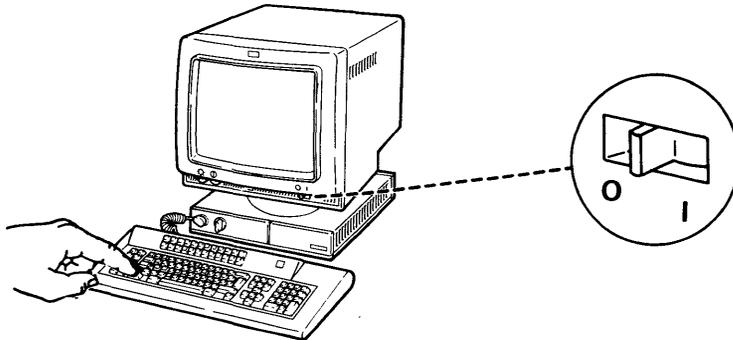
5.80

Look at Form D or F and find the address for the 3196 Display Station; it is a number 0 through 6.



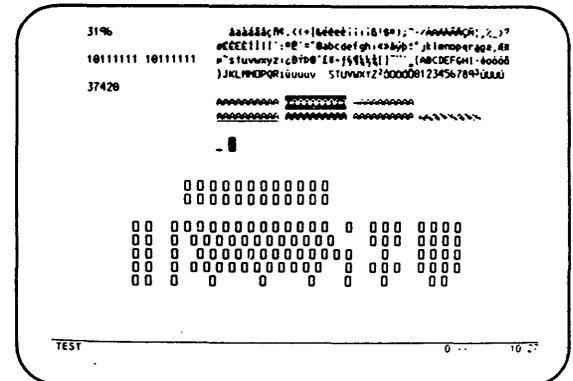
5.81

Press and hold any key on the keyboard and set the Power switch to I (On).



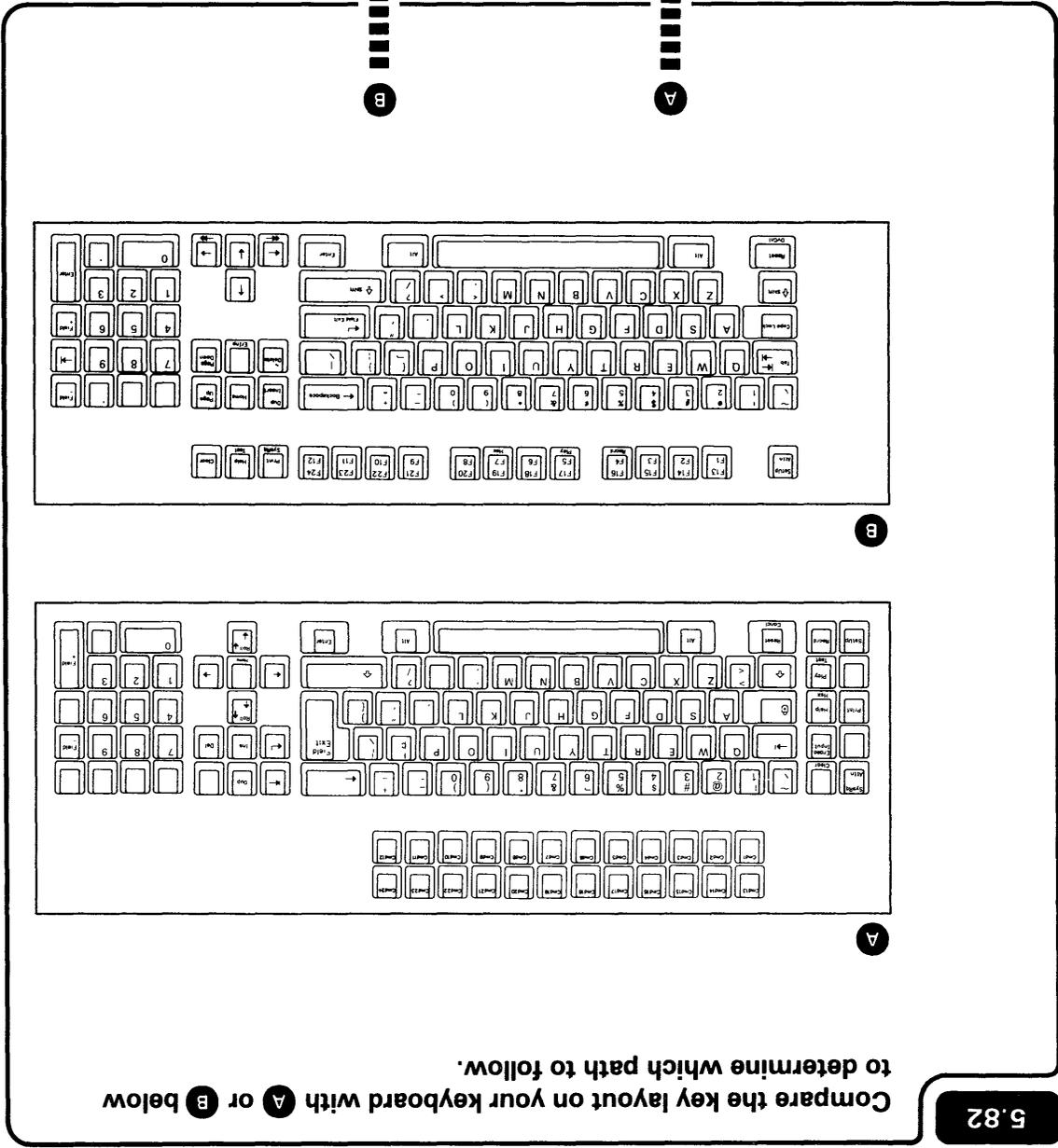
**Note:** If a 9012 error code appears on the bottom of the display, set the Power switch to O (off) and repeat step 5.80.

Hold the key until a display like this appears:



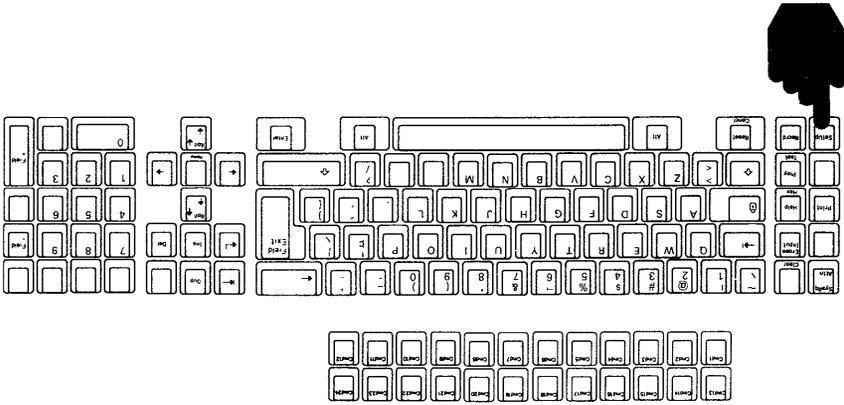
For an explanation of the 9012 error code, see the setup manual for the 3196.

Compare the key layout on your keyboard with **A** or **B** below to determine which path to follow.



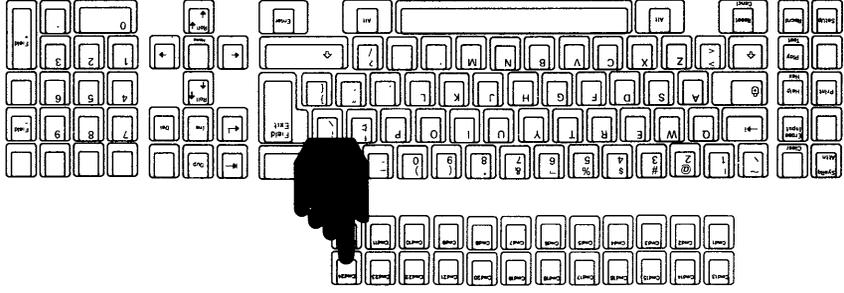
5.83

Press the  key.

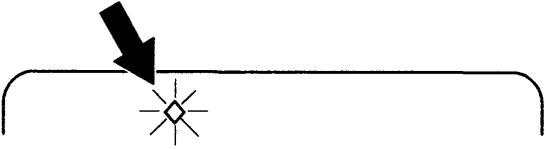


5.84

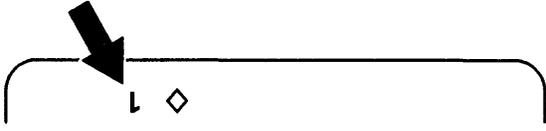
Press the  key.



A blinking diamond appears on the bottom of the display.



The display station address (a number 0 through 6) appears beside the blinking diamond on the bottom of the display.



**Note:** If 9012 appears on the bottom of the display, repeat step **5.83**.

5.85

Keep pressing the  key until the display station address (a number 0 through 6) assigned to your display station appears on the bottom of the display.



5.86

Do you have the Multinational Character Set feature on your system?

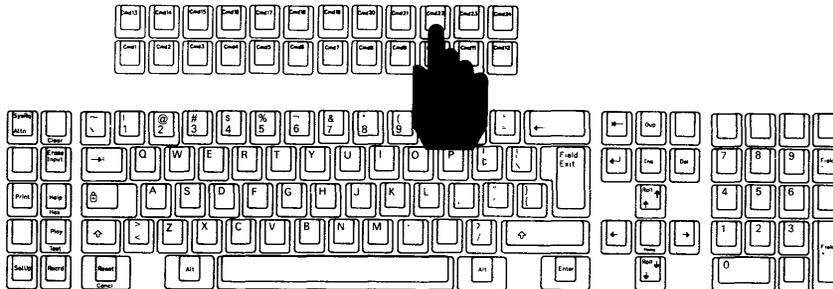
YES

NO

5.88

5.87

Press the Multinational Character Set  key.

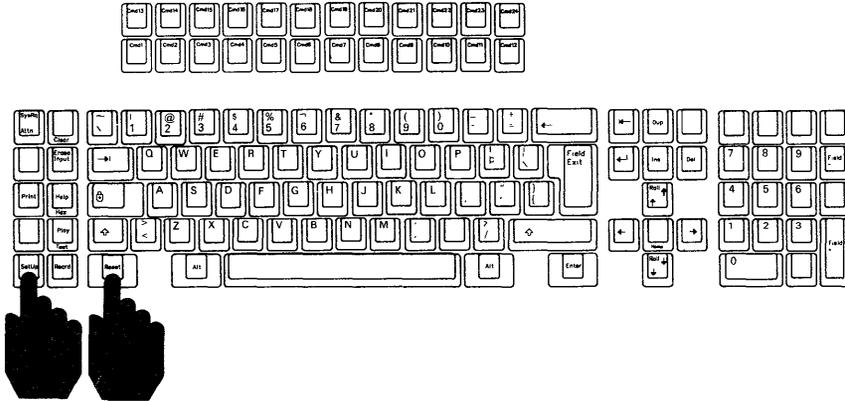


The Multinational Character Set indicator appears on the bottom of the display.



5.88

Press the  key. Press the  key.



5.89

Have you connected all of the display stations and printers?

YES



*Section 8: Checking Out and Configuring Your Computer*

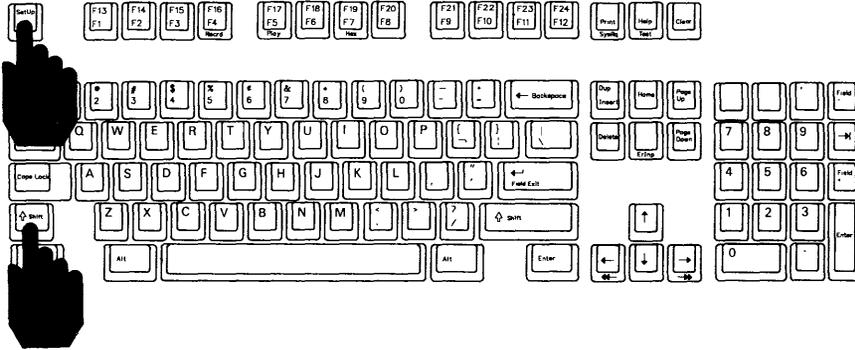
NO



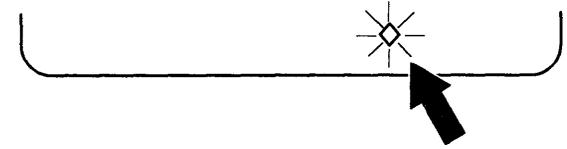
5.1

5.90

Press and hold the  Shift key, then press the  key.

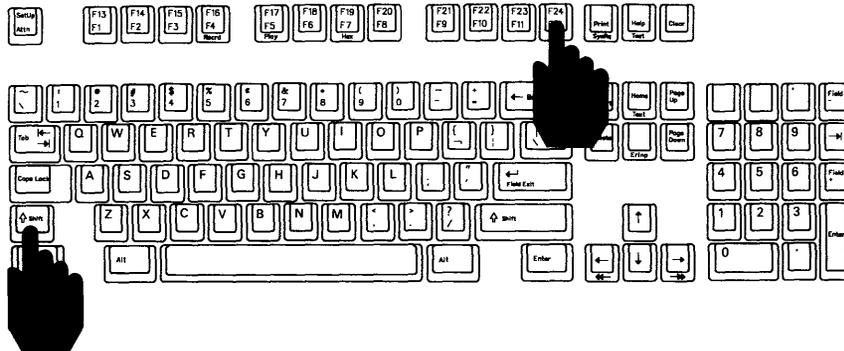


A blinking diamond appears on the bottom of the display.



5.91

Press and hold both the  Shift key and the  key.



The display station address (a number 0 through 6) appears beside the blinking diamond on the bottom of your display.



**Note:** If 9012 appears on the bottom of the display, repeat step **5.90**.

5.92

Do you have the Multinational Character Set feature on your system?

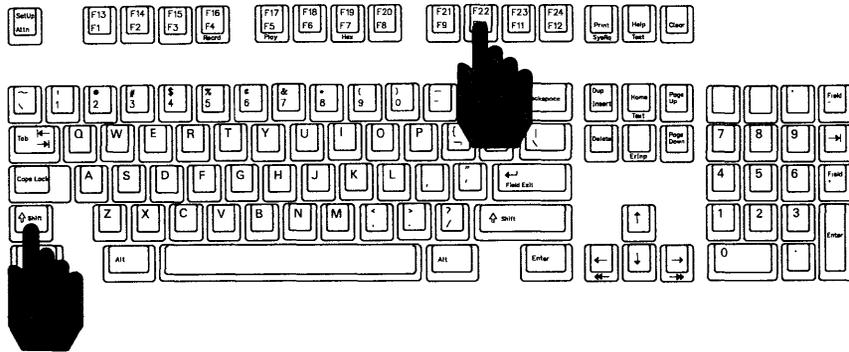
YES

NO

5.94

5.93

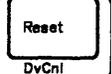
Press the  key and the Multinational Character Set key.

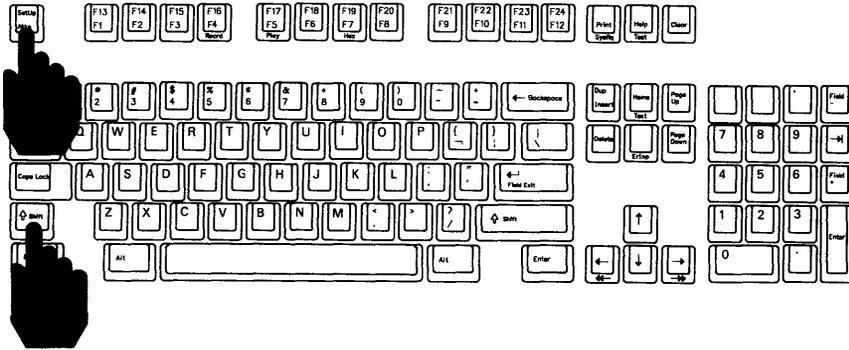


The Multinational Character Set indicator appears on the bottom of the display.



5.94

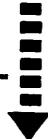
Press the  key and the  key. Press the  key.



5.95

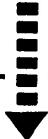
Have you connected all of the display stations and printers?

YES



**Section 8: Checking Out and Configuring Your Computer**

NO



**5.1**

5.96

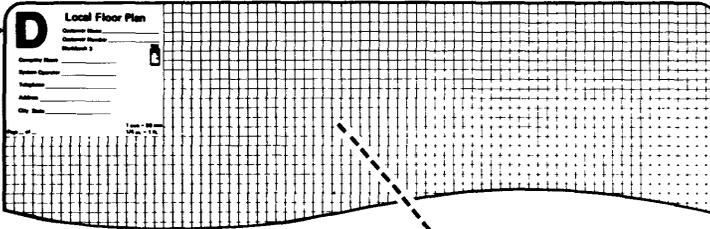
Look at Form D or F and find the address for the 4234 Model 2 Printer; it is a number 0 through 6.

**D** Local Floor Plan

Customer Name \_\_\_\_\_  
Customer Number \_\_\_\_\_  
Workbook 1

Display Name \_\_\_\_\_  
Device Name \_\_\_\_\_  
Location \_\_\_\_\_  
Address \_\_\_\_\_  
City/State \_\_\_\_\_

Form 100  
Rev. 11-75



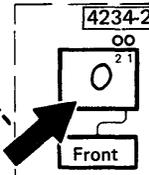
EXAMPLE

4234-2

oo

2 1

Front

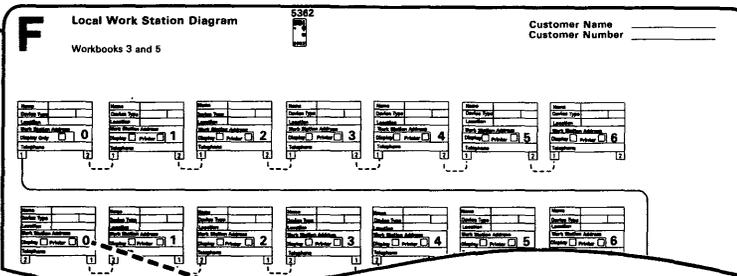


**F** Local Work Station Diagram 5382

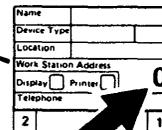
Customer Name \_\_\_\_\_  
Customer Number \_\_\_\_\_

Workbooks 3 and 5

Name	Device Type	Location	Address	City/State	Name	Device Type	Location	Address	City/State
Display 0	Printer 1				Display 2	Printer 3			
Display 4	Printer 5				Display 6	Printer 6			

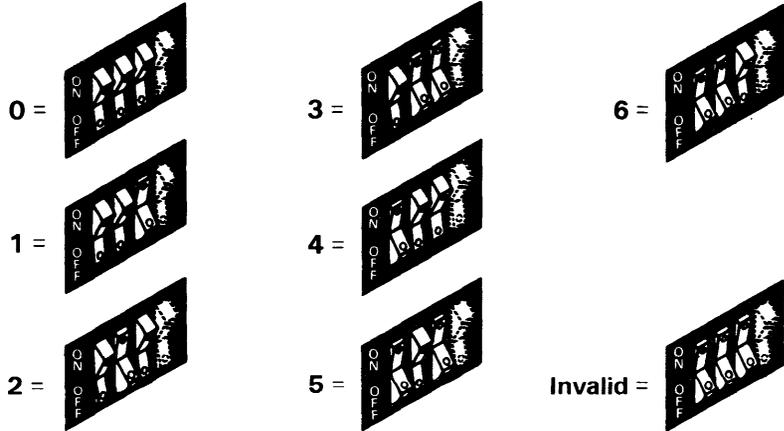


Name	
Device Type	
Location	
Address	
City/State	
Work Station Address	
Display	Printer
2	1

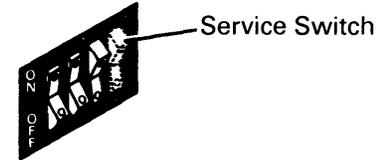


5.97

Match the work station address number to one of the following switch settings:

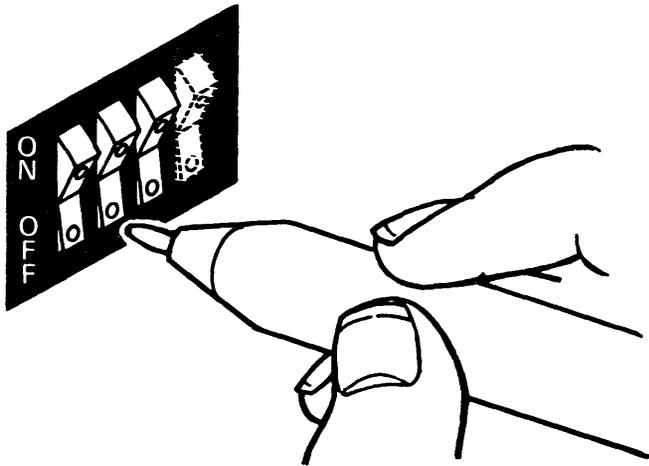


The Service switch is used by the hardware service representative. It has nothing to do with setup. You will set the Service switch to Off in step **5.99**.



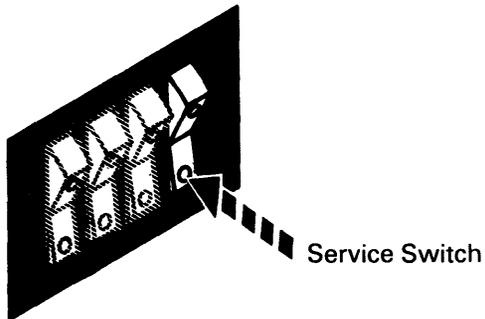
5.98

Using the switch setting in the above chart as a guide, use a ballpoint pen or a pencil to set the switches.



5.99

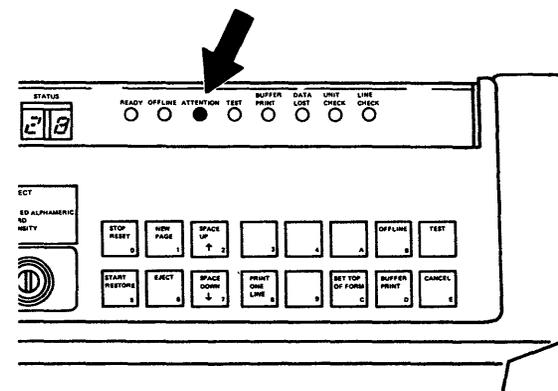
Set the Service switch to Off.



5.100

Set the Power switch to I (On).

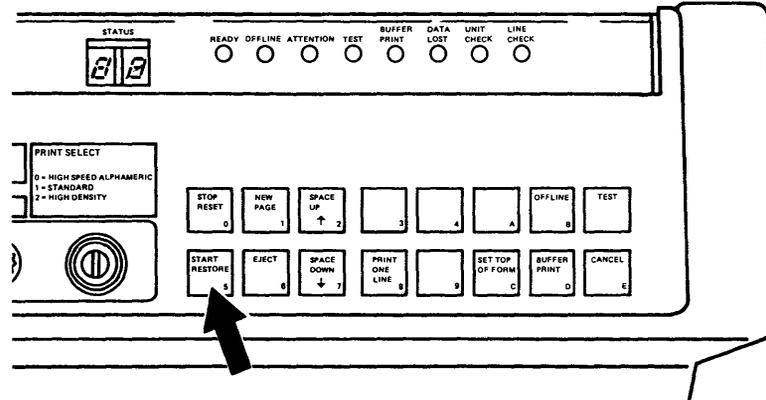
When you power on the 4234 Model 2 Printer, the printer goes through some diagnostic tests. When the printer completes the diagnostic tests, the Attention light comes on.



5

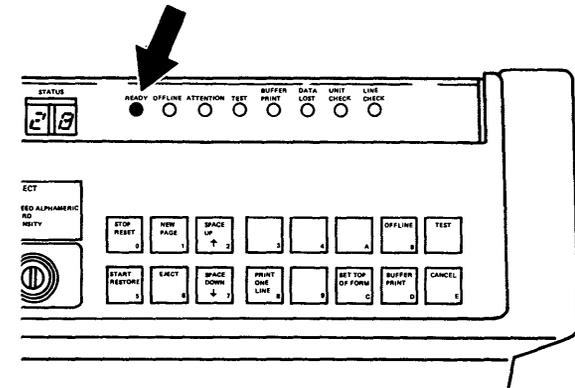
**5.101**

Wait for the 4234 Model 2 Printer diagnostic tests to complete; then press the  key.



The address is now saved.

After you press the  key, the Ready light comes on and the Attention light goes off.



**5.102**

Have you connected all of the display stations and printers?

YES



*Section 8: Checking Out and Configuring Your Computer*

NO

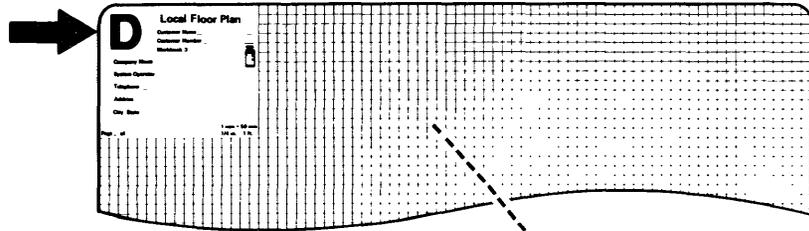


**5.1**

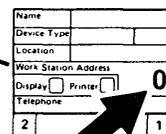
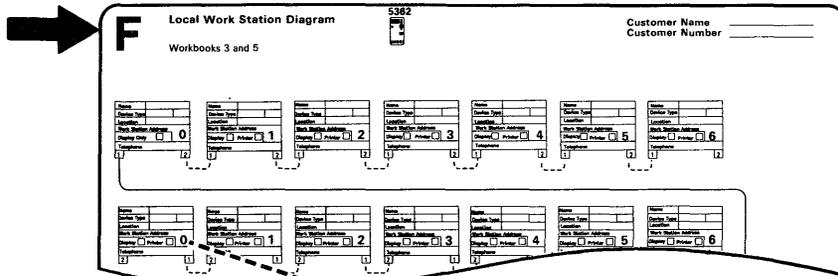
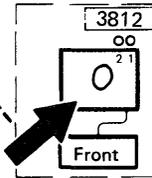
If you are unsure, ask the person who planned the setup.

5.103

Look at Form D or F and find the address for the 3812 Pageprinter; it is a number 0 through 6.



EXAMPLE



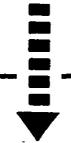
**5.104**

To set the address on your 3812 Pageprinter, go to the manual *System/36/38 Attachment Feature Installation Instructions*.

**5.105**

Have you connected all the display stations and printers?

**YES**



*Section 8: Checking Out and Configuring Your Computer*

**NO**



**5.1**

If you are unsure, ask the person who planned the setup.

## Section 6. Connecting the Personal Computer Cables to Your System/36

## 6.1

### Make sure of the following:

1. The personal computer was set up according to the instructions in the IBM Personal Computer *Guide to Operations*.
2. The Display Station Emulation Adapter or Enhanced Display Station Emulation Adapter was installed according to the instructions in the IBM Personal Computer *Display Station Emulation Adapter Installation and Problem Determination Procedures* or the IBM Personal Computer *Enhanced Display Station Emulation Adapter Installation and Problem Determination Procedures*.
3. You are familiar with the steps necessary to load the 5250 Emulation Program. See the IBM Personal Computer *5250 Emulation Program User's Guide* or the IBM Personal Computer *Enhanced 5250 Emulation Program User's Guide* for instructions on what must be done to load the 5250 Emulation Program.

This section explains how to attach an IBM Personal Computer to the System/36 as a work station.

To attach an IBM Personal Computer AT to the System/36 as a local area network, see Section 4.

6.2

Do one of the following:

If you have the  
Display Station  
Emulation  
Adapter



6.3

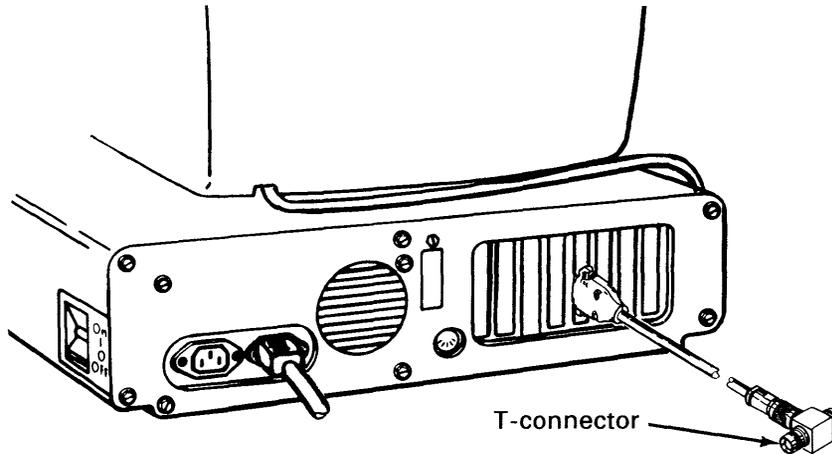
If you have the  
Enhanced Display  
Station Emulation  
Adapter



6.13

6.3

Find the T-connector that is attached to the personal computer.



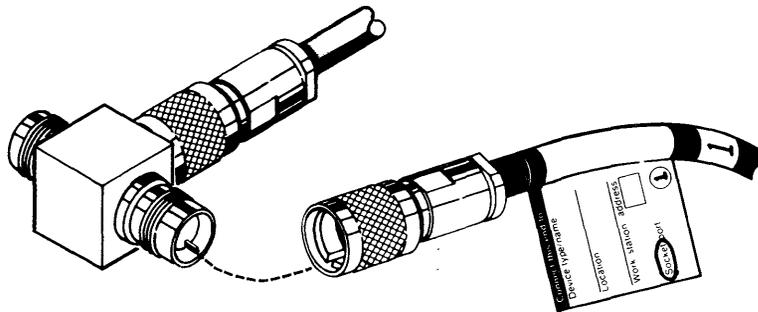
The T-connector (Part 6851167, Amphenol Part 82-5677) is where you will connect the cable.

**Note:** Amphenol is the name of the manufacturer.

**CAUTION**  
Avoid connecting cables during an electrical storm.

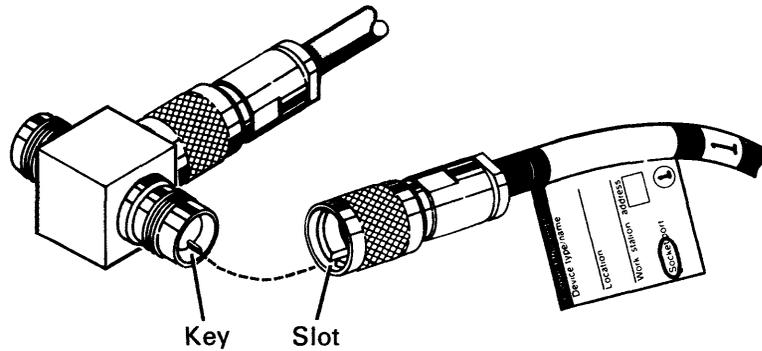
6.4

Find the cable that will connect to the T-connector.



6.5

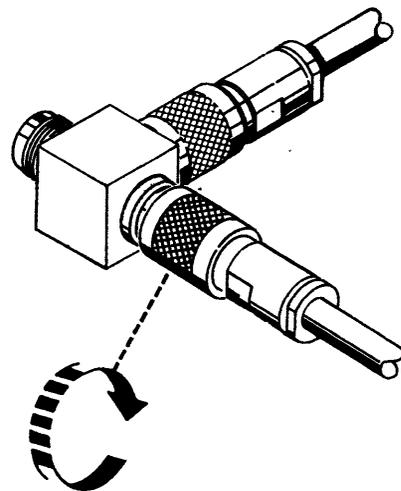
Align the widest slot in the cable to the key in the T-connector.



You can attach the cable to either side of the T-connector.

6.6

Push in, hold, and turn the retaining ring until it is tight.



6.7

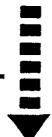
Do you have another cable to connect to the T-connector?

YES



6.8

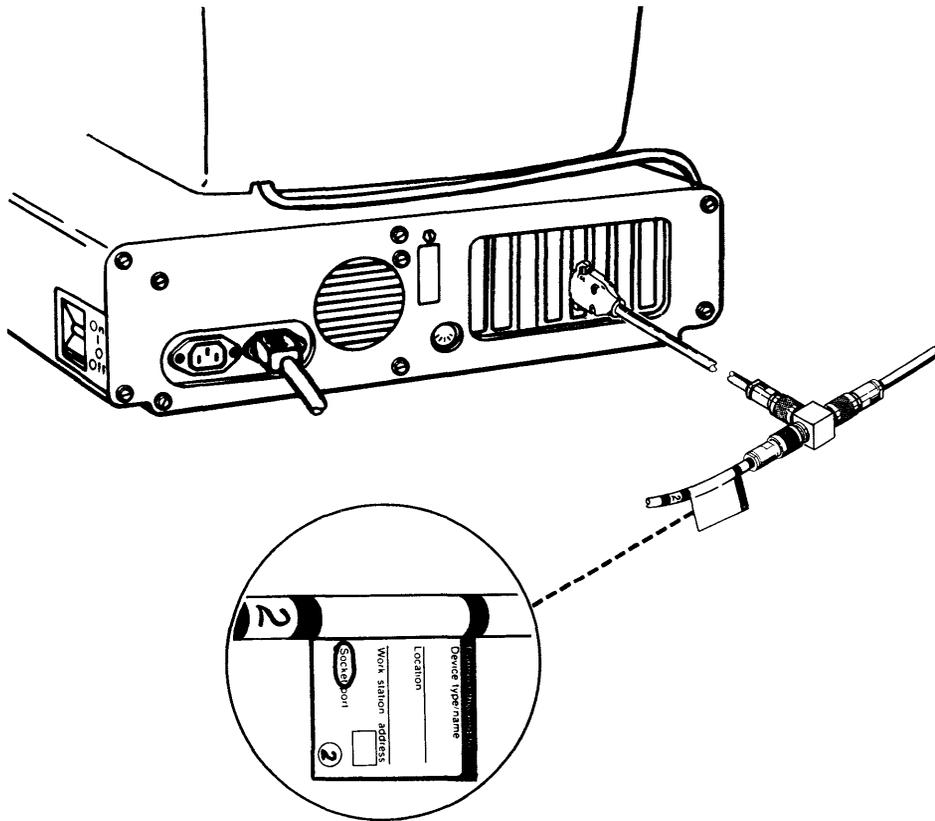
NO



6.9

6.8

Connect the cable to the T-connector, then go to **6.10** .

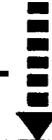


6.9

Do you have a terminator?

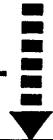


YES



6.10

NO



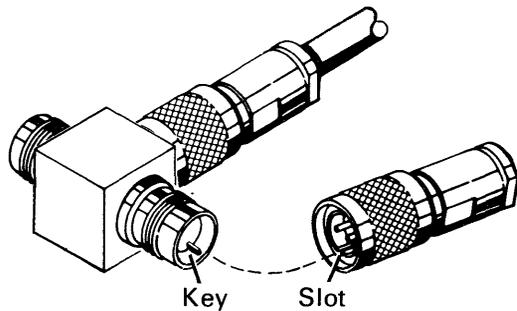
6.11

The terminator (Part 7362188, Amphenol Part 82-5587) is optional; it does not come with the Personal Computer Convenience Kit.

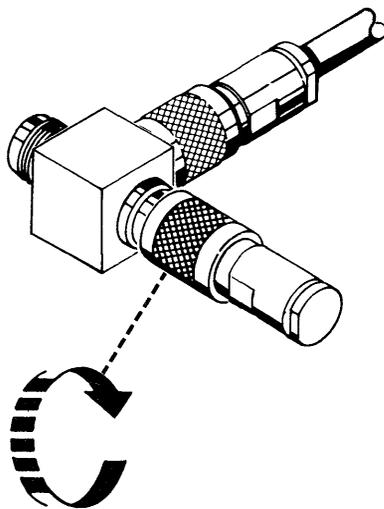
## 6.10

### Attach the terminator:

1. Align the widest slot in the terminator to the key in the T-connector.



2. Push in, hold, and turn the retaining ring until it is tight.

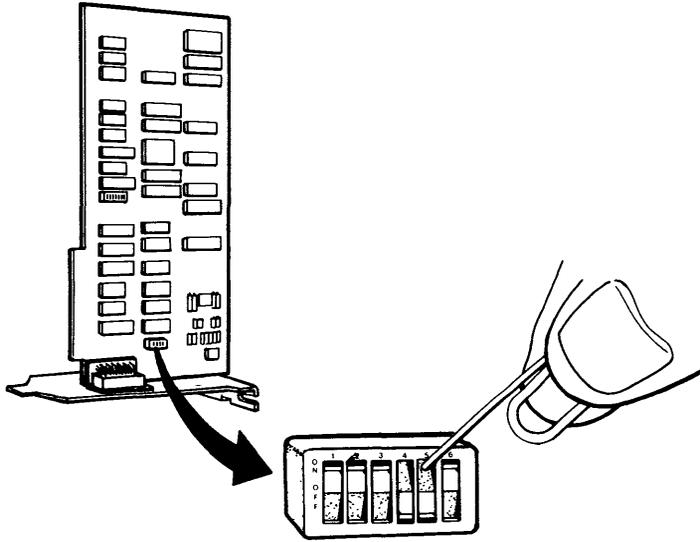


If you use a terminator, make sure switches 4 and 5 of the 6-position switch assembly are set to the Off position. Setting the switches Off will let you attach another cable at a later time without taking the personal computer apart.

**Note:** Switches 4 and 5 were set when you installed the Display Station Emulation Adapter.

6.11

Make sure switches 4 and 5 of the 6-position switch assembly are set to the On position.



Switches 4 and 5 were set when you installed the Display Station Emulation Adapter.

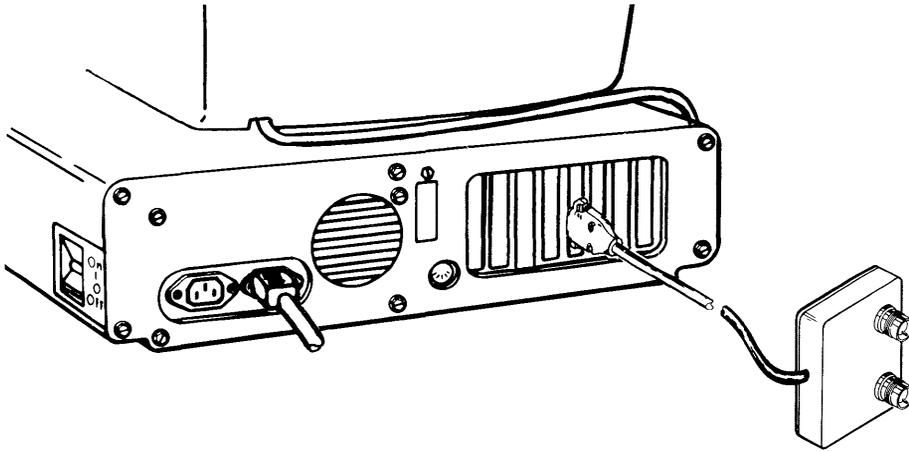
For instructions on how to set switches on a switch assembly, see the IBM Personal Computer *Display Station Emulation Adapter Installation and Problem Determination Procedures*.

6.12

Go to **6.18** .

6.13

Find the integrated attachment cable that is attached to the personal computer.

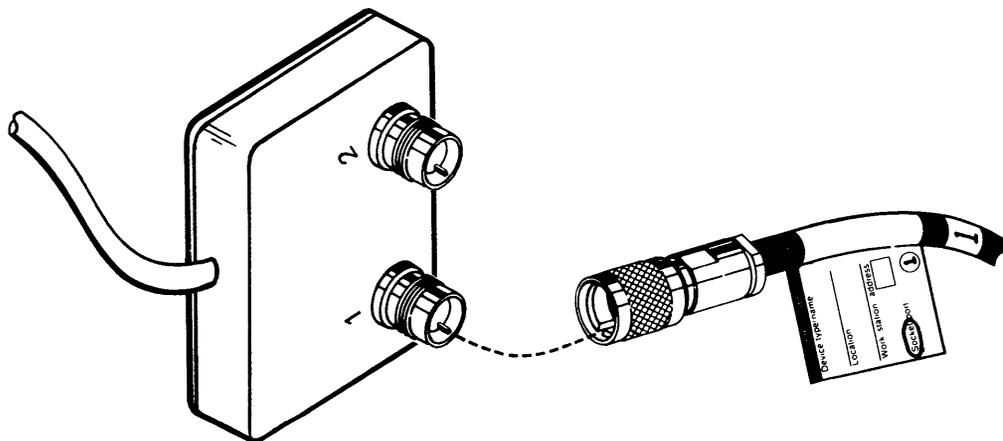


The integrated attachment cable (Part 6403635) is where you will connect the cable.

**CAUTION**  
Avoid connecting cables during an electrical storm.

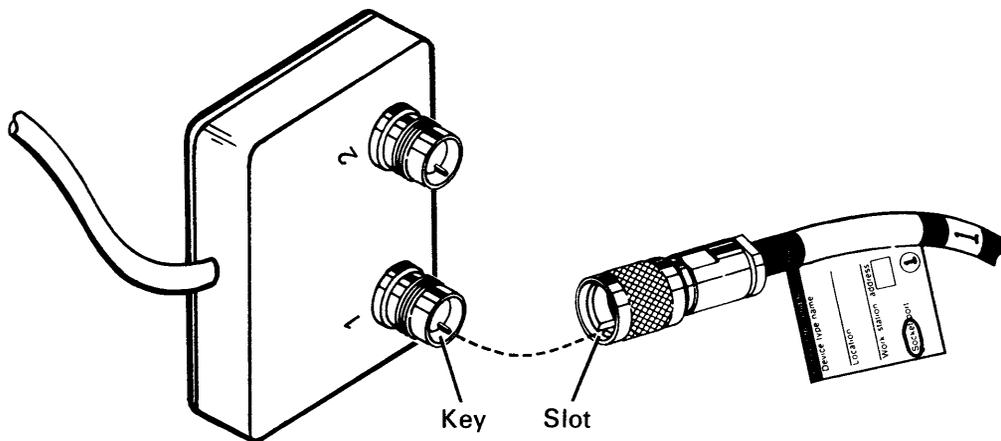
6.14

Find the cable that will connect to socket 1 of the integrated attachment cable.



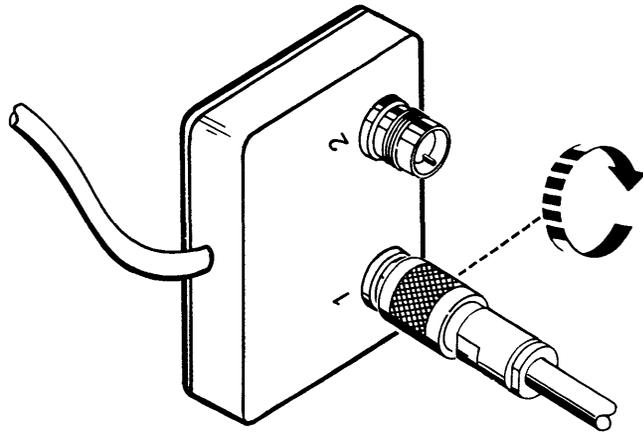
6.15

Align the widest slot in the cable to the key in socket 1.



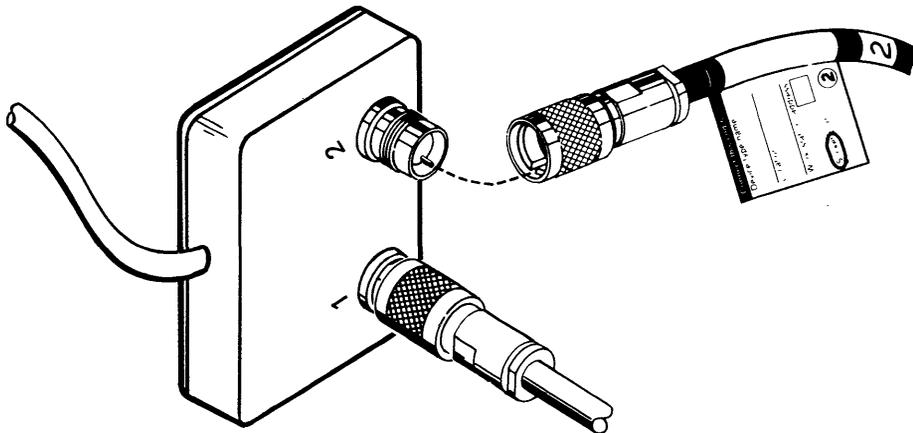
6.16

Push in, hold, and turn the retaining ring until it is tight.



6.17

If you have a second cable to attach to the integrated attachment cable, connect it to socket 2. If not, go to **6.18**.



The Enhanced Display Station Emulation Adapter has automatic termination built into socket 2 instead of a termination switch.

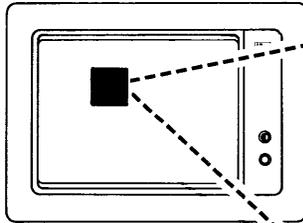
6.18

Load the 5250 Emulation Program; then go to **6.19** in this manual.

For instructions about the steps necessary to load the 5250 Emulation Program, see the IBM Personal Computer *5250 Emulation Program User's Guide* or the IBM Personal Computer *Enhanced 5250 Emulation Program User's Guide*.

6.19

Is the following information similar to that displayed on the personal computer?



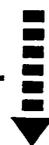
Enhanced PC/5250 Emulator  
EC 02.000 1/14/85  
Copyright IBM 1985  
1) 5291 Display at station address = 6  
2) 5256 Printer at station address = 0  
Press any key to continue

If you have the 5250 Emulation Program, the information displayed on the personal computer should be similar to the following:

5250/5291 EMULATOR  
ECXX.YY MM/DD/YY  
COPYRIGHT IBM 1983

PRESS ENTER TO START

YES

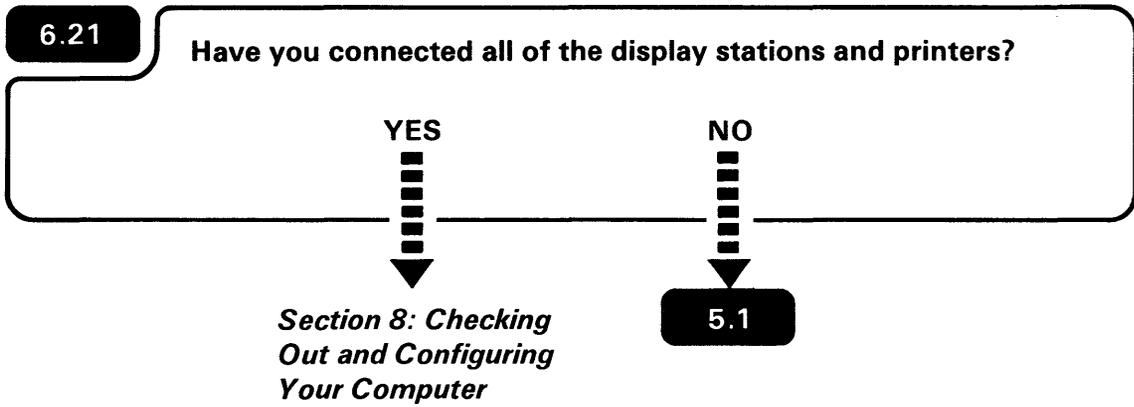
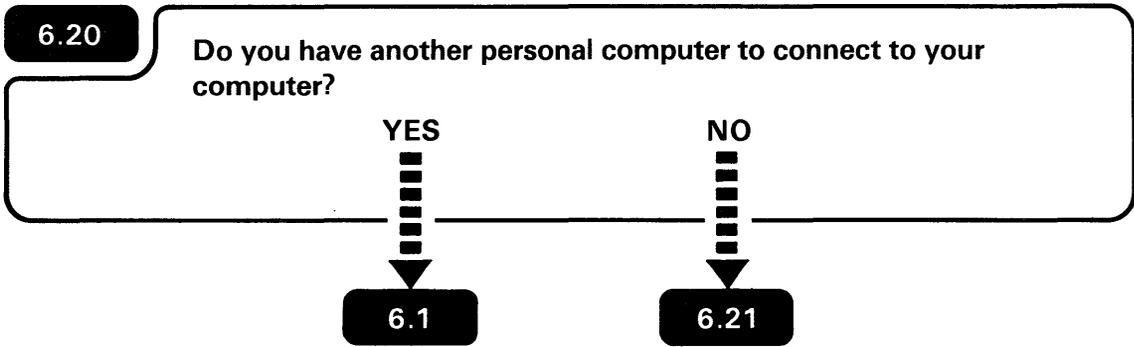


6.20

NO



See the IBM Personal Computer *5250 Emulation Program User's Guide* or the IBM Personal Computer *Enhanced 5250 Emulation Program User's Guide* and refer to the problem determination procedures.



If you are unsure, ask the person who planned the setup.



## Section 7. Installing and Removing the 9332 Disk Unit

**7.1**

Select the appropriate path.

You are installing  
the first 9332  
Disk Unit on your  
computer.

You are installing  
an additional  
9332 Disk Unit on  
your computer.

You are removing  
a 9332 Disk Unit  
from your  
computer.

7.2

7.19

7.34

**Notes:**

1. In this manual and during the Configure-Customize Program, you will see the terms 9332 Disk Unit and external disk drive. They are the same thing.
2. The 9332 Disk Unit address and the drive # are always the same.

## INSTALLING THE FIRST 9332 DISK UNIT

**7.2**

### 9332 Disk Unit set up

You will receive boxes that contain equipment necessary for installing the 9332 Disk Unit.

You will use the contents of these boxes during setup.



**7.3**

In addition to receiving the equipment, you also need to make sure that you have the following:

- The Feature 6267 External Disk support diskette.
- The Release 5 IBM Software Distribution diskettes 01, 02, and 03.

These diskettes must be used when installing the 9332 Disk Unit.

Go to **7.4** .

## 7.4

Use the manual *Installing IBM 9332 Disk Unit, SA21-9804*, to do the following:

- Unlock the shock mounts
- Install the front cover

When you have completed that, return to this manual to do the following:

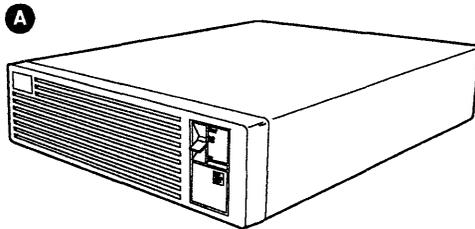
- Connect the terminator
- Label and connect cables
- Set the address
- Check out the device

Go to **7.5** .

**7.5**

Locate the following:

- A** 9332 Disk Unit
- B** Power cord
- C** Signal cable
- D** Signal cable labels
- E** Manuals



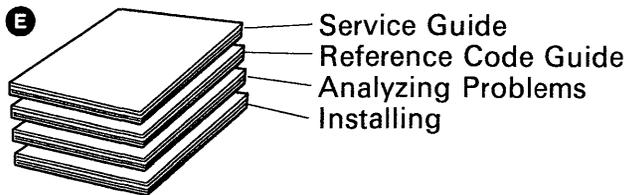
Power Cord



Signal Cable



Signal Cable Labels



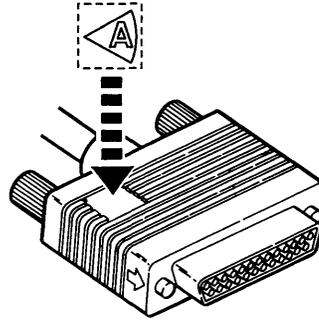
9332 Manuals

Go to **7.6** .

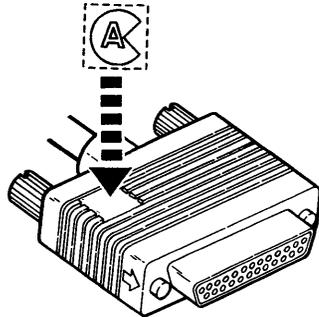
**Note:** The signal cable labels are shipped with the system unit.

**7.6****Label the 9332 signal cable:**

1. **Attach the red pie-shaped label on the cable connector that has pins.**



2. **Attach the incomplete-circle label on the cable connector that has holes.**



Go to **7.7** .

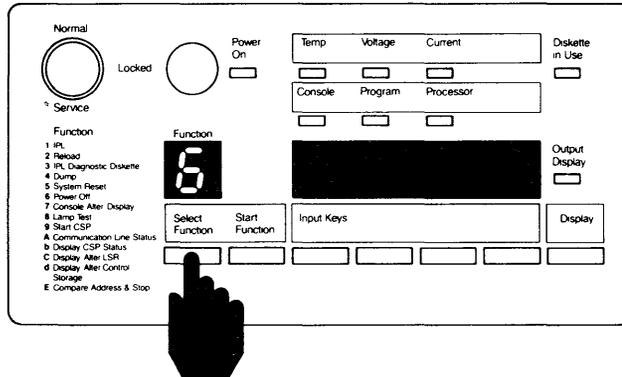
**Note:** If the 9332 signal cable plugs are connected, turn the thumbscrews counterclockwise to loosen them and separate the plugs.

**7.7**

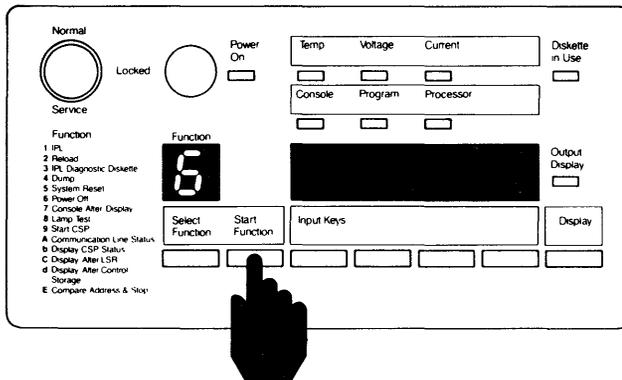
If you are installing the 9332 Disk Unit on an operating system, check to make sure that all jobs have been completed before turning off the computer.

Turn off the computer using the following steps.

- a. Press the Select Function key until **6** appears.



- b. Press the Start Function key.



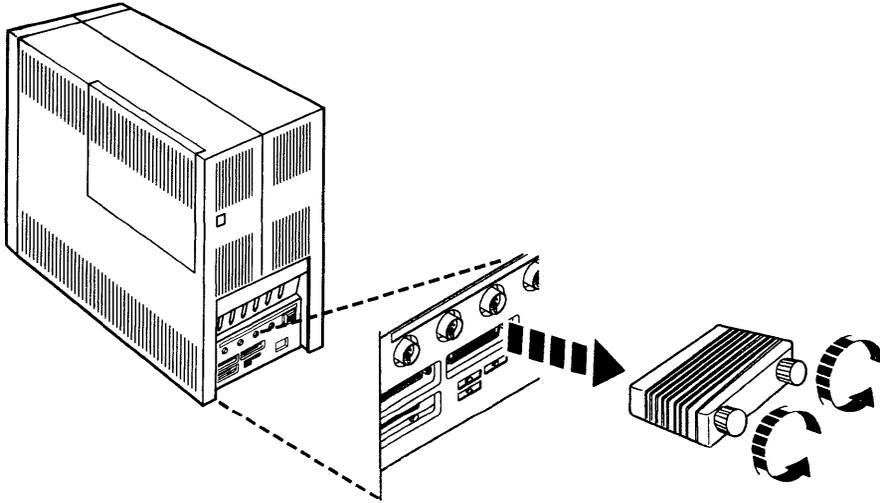
- c. Leave the system console turned on.

Go to **7.8**.

The **6** will flash to indicate that the computer is turning off.

**7.8**

**Remove the terminator from the rear of your 5362 System Unit.**

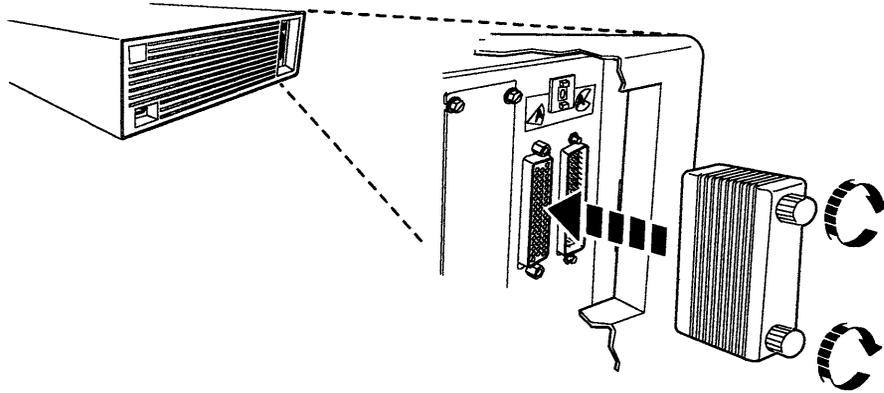


**Turn the thumbscrews counterclockwise to loosen and remove the terminator.**

**Go to **7.9** .**

7.9

Connect the terminator to the outlet labeled with a pie shape on the rear of the 9332 Disk Unit.

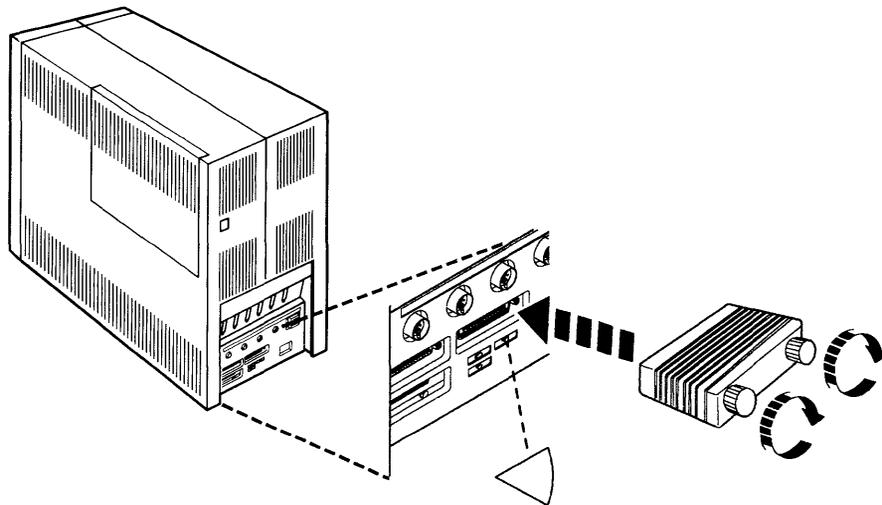


Turn the thumbscrews clockwise until they are tight.

Go to **7.10** .

**7.10**

Connect the 9332 Disk Unit signal cable as follows:

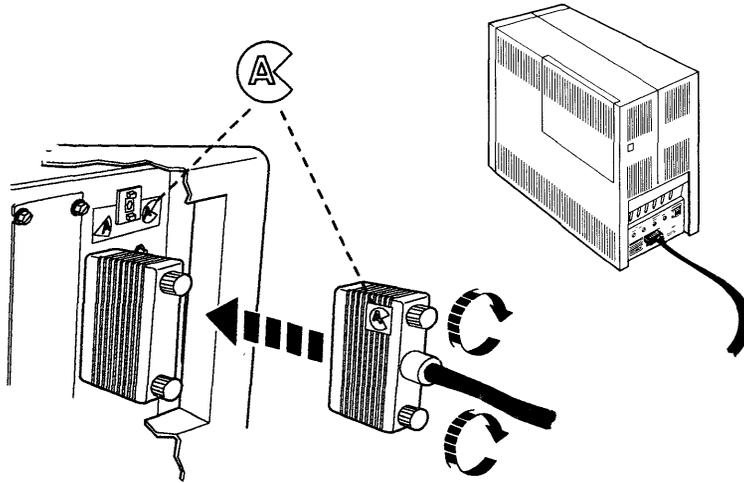


1. Match the pie-shaped labeled connector to the computer outlet labeled with a pie shape.
2. Align and push in the connector.
3. Tighten the screws.

Go to **7.11** .

**7.11**

Connect the other end of the 9332 Disk Unit signal cable to the 9332 Disk Unit, as follows:

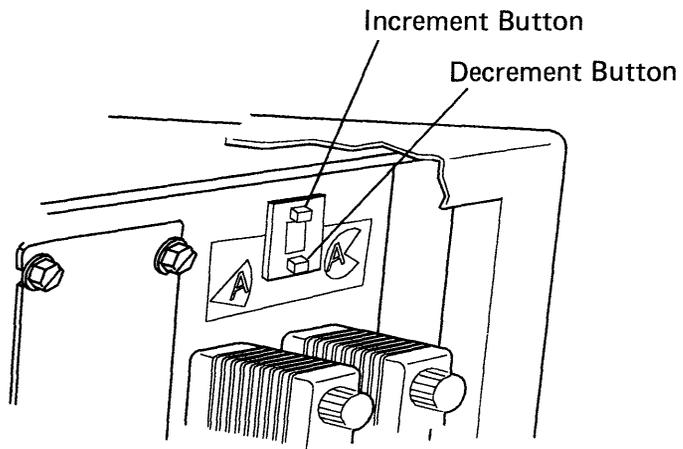


1. Match the incomplete-circle labeled connector to the 9332 outlet labeled with an incomplete circle.
2. Align and push in the connector.
3. Tighten the screws.

Go to **7.12** .

**7.12**

**Set the address number for the 9332 Disk Unit.**



**On the rear of the unit, press the address switch increment button or the decrement button until a zero is displayed.**

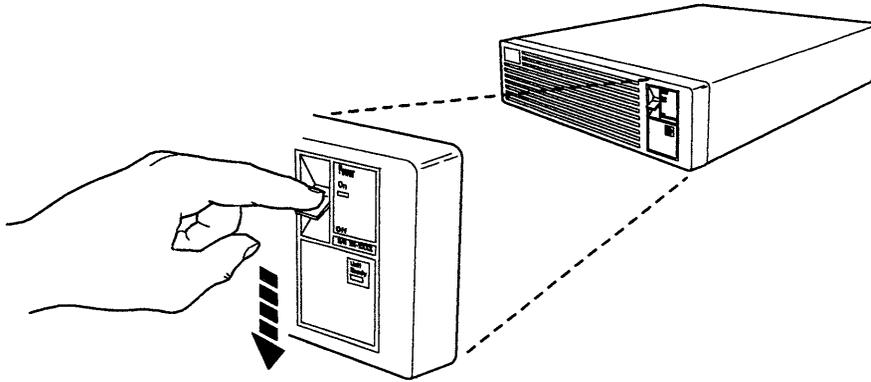
**Go to **7.13** .**

**Notes:**

1. The first 9332 Disk Unit installed on your computer must have an address of zero.
2. The 9332 Disk Unit address and the drive # are the same.

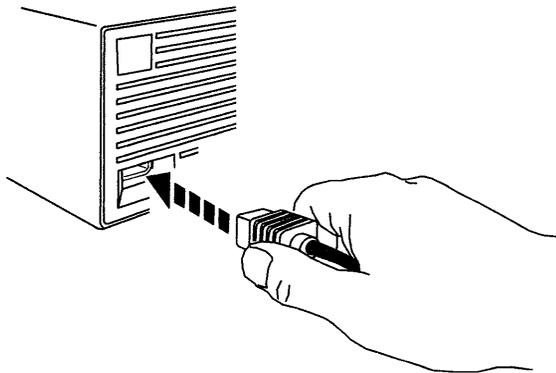
**7.13**

Be sure the Power switch is set to the Off position on the 9332 Disk Unit.



**7.14**

Plug the power cord into the 9332 Disk Unit.

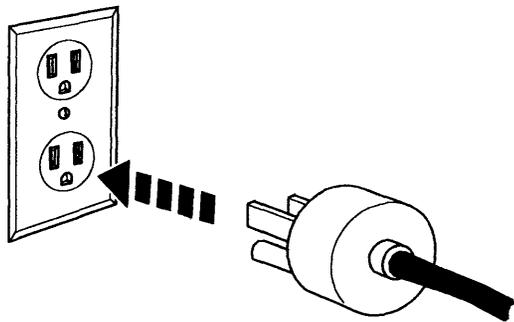


Do NOT turn the disk unit on.

Go to **7.15** .

7.15

Plug the power cord into an electrical outlet.



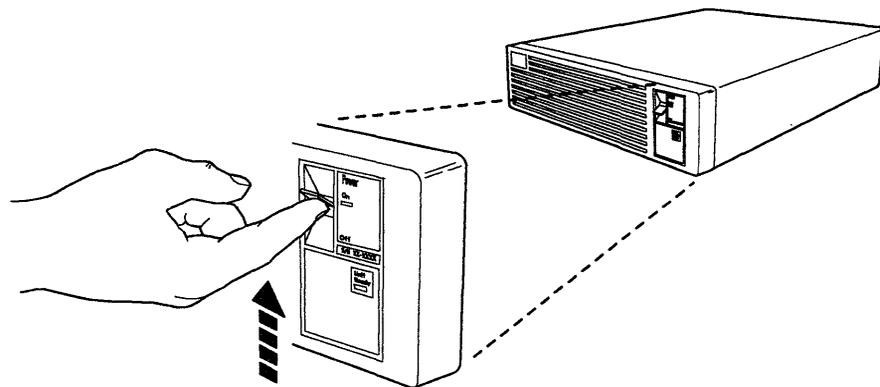
Go to **7.16** .

**Note:** Shape of plug may vary.

## CHECKING OUT YOUR 9332 DISK UNIT

7.16

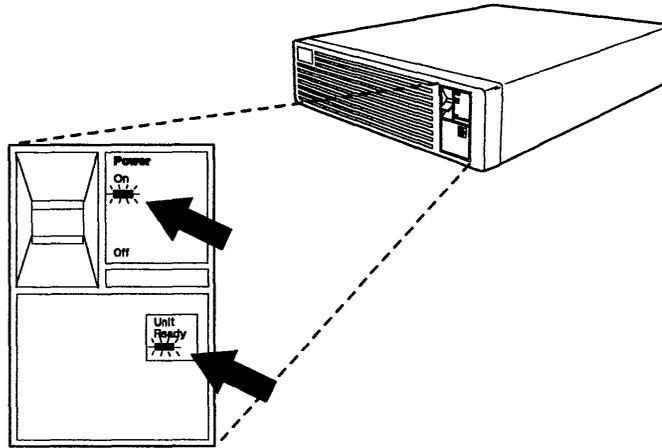
Set the power switch to the On position.



Go to **7.17** .

**7.17**

The 9332 Disk Unit check out is complete when both the Power Ready and Unit Ready lights remain on. This should occur in approximately 90 seconds.



If any other lights are on or if any lights are flashing, see the manual *Analyzing Problems IBM 9332 Disk Unit, GA21-9837*.



**7.18**

Do you have another 9332 Disk Unit to install?

YES



**7.19**

NO



**7.33**

## INSTALLING AN ADDITIONAL 9332 DISK UNIT

### 7.19

Use the manual *Installing IBM 9332 Disk Unit, SA21-9804*, to do the following:

- Unlock the shock mounts
- Install the front cover

When you have completed that, return to this manual to do the following:

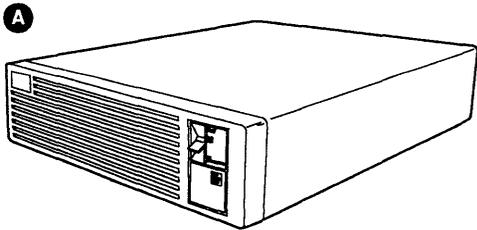
- Connect the terminator
- Label and connect cables
- Set the address
- Check out the device

Go to **7.20** .

**7.20**

Locate the following:

- A** 9332 Disk Unit
- B** Power cord
- C** Signal cable
- D** Signal cable labels
- E** Manuals



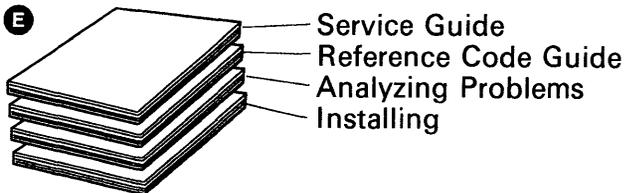
Power Cord



Signal Cable



Signal Cable Labels



9332 Manuals

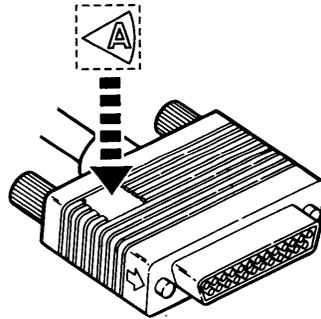
Go to **7.21** .

**Note:** The signal cable labels are shipped with the system unit.

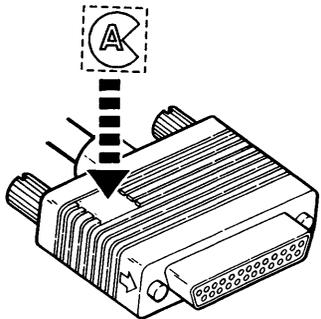
**7.21**

Label the 9332 signal cable:

1. Attach the red pie-shaped label on the cable connector that has pins.



2. Attach the incomplete-circle label on the cable connector that has holes.



Go to **7.22** .

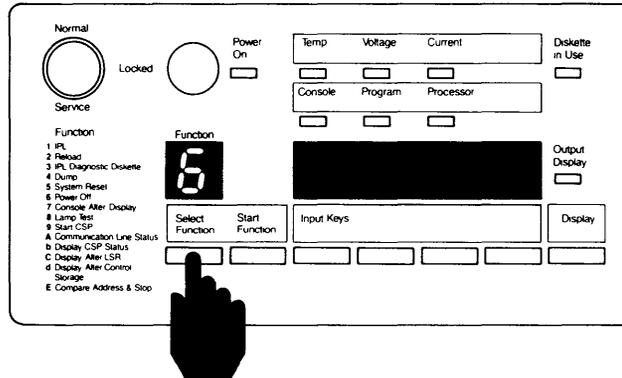
**Note:** If the 9332 signal cable plugs are connected, turn the thumbscrews counterclockwise to loosen them and separate the plugs.

## 7.22

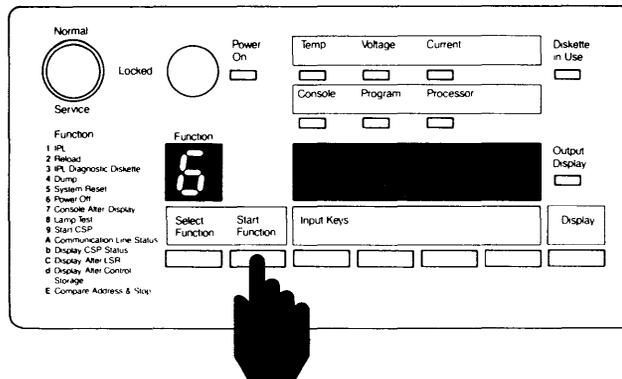
If you are installing the 9332 Disk Unit on an operating system, check to make sure that all jobs have been completed before turning off the computer.

Turn off the computer using the following steps.

- a. Press the Select Function key until **6** appears.



- b. Press the Start Function key.



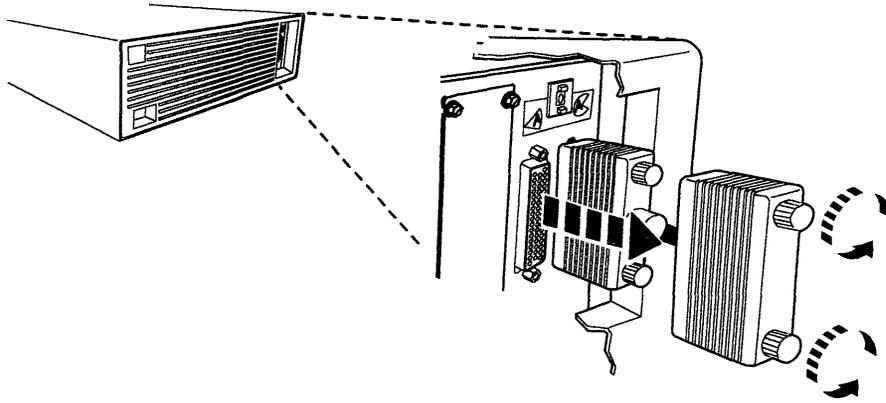
- c. Leave the system console turned on.

Go to **7.23** .

The **6** will flash to indicate that the computer is turning off.

**7.23**

**Remove the terminator from the installed 9332 Disk Unit.**



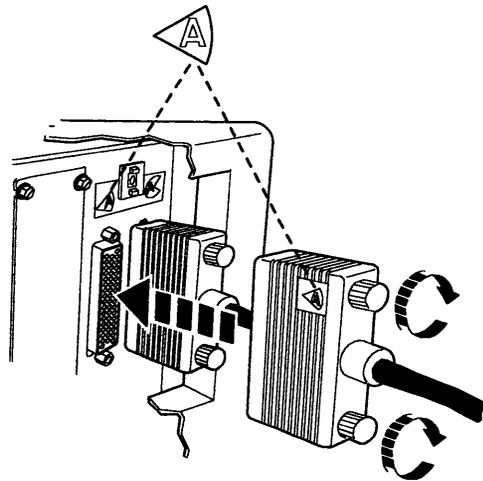
**Turn the thumbscrews counterclockwise to loosen and remove the terminator.**

**Go to **7.24** .**

**Note:** The terminator will be used later in this procedure.

7.24

Connect the 9332 Disk Unit signal cable as follows:

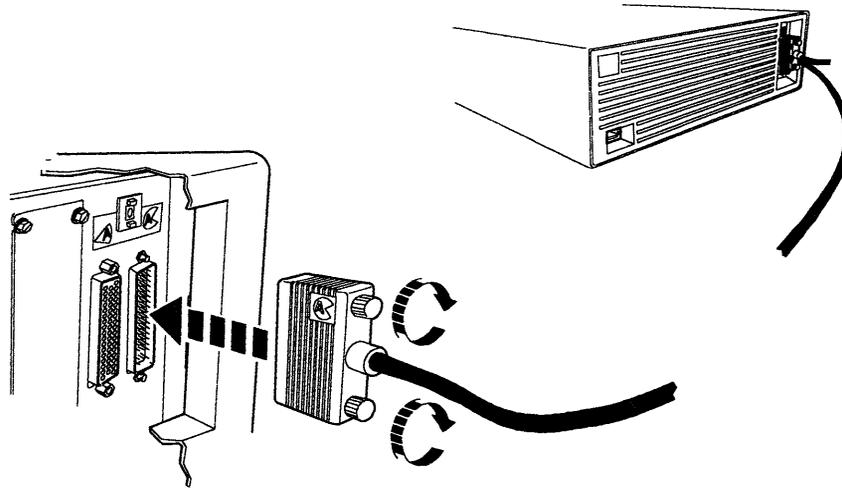


1. Match the pie-shaped labeled connector to the outlet labeled with a pie shape on the installed 9332 Disk Unit (the outlet that the terminator was removed from in **7.23** ).
2. Align and push in the connector.
3. Tighten the screws.

Go to **7.25** .

7.25

Connect the other end of the 9332 Disk Unit signal cable to the 9332 Disk Unit being installed, as follows:

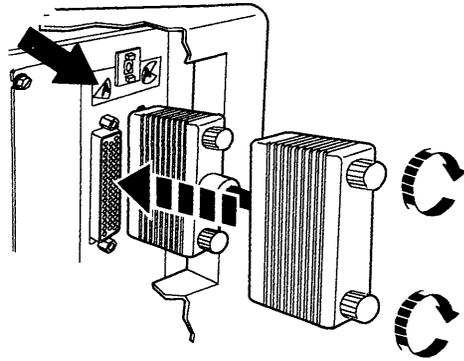


1. Match the incomplete-circle labeled connector to the 9332 outlet labeled with an incomplete circle.
2. Align and push in the connector.
3. Tighten the screws.

Go to **7.26** .

7.26

Connect the terminator to the outlet labeled with a pie shape on the rear of the 9332 Disk Unit being installed.

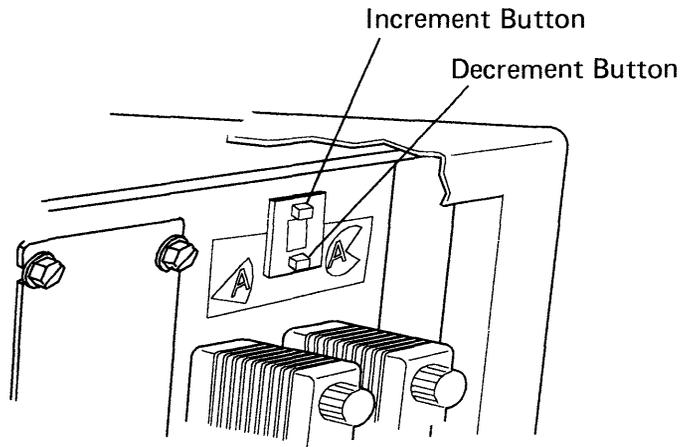


Turn the thumbscrews clockwise until they are tight.

Go to **7.27** .

**7.27**

**Set the address number for the second 9332 Disk Unit.**



**On the rear of the unit, press the address switch increment button or the decrement button until a 1 is displayed.**

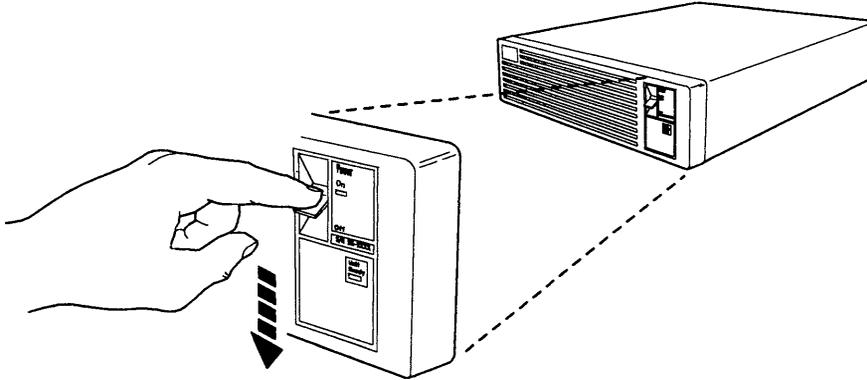
**Go to **7.28** .**

**Notes:**

1. The second 9332 Disk Unit installed on your computer must have an address of one.
2. The 9332 Disk Unit address and the drive # are the same.

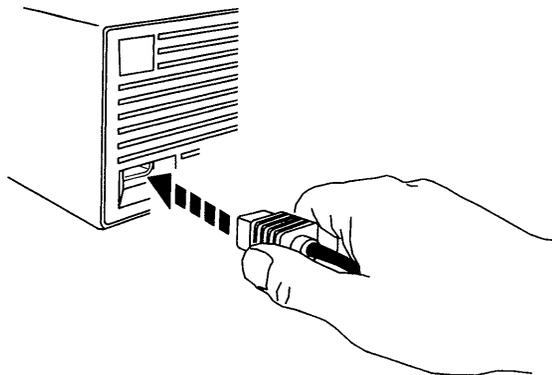
**7.28**

Be sure the Power switch is set to the Off position on the 9332 Disk Unit.



**7.29**

Plug the power cord into the second 9332 Disk Unit.

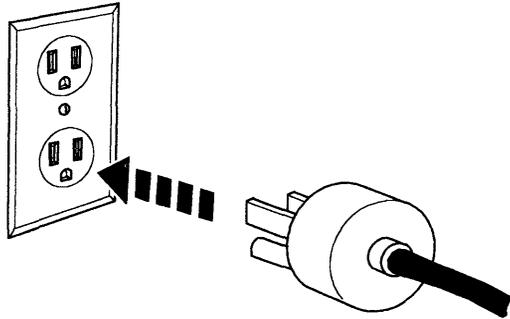


Do NOT turn the second 9332 Disk Unit on.

Go to **7.30** .

7.30

Plug the power cord into an electrical outlet.



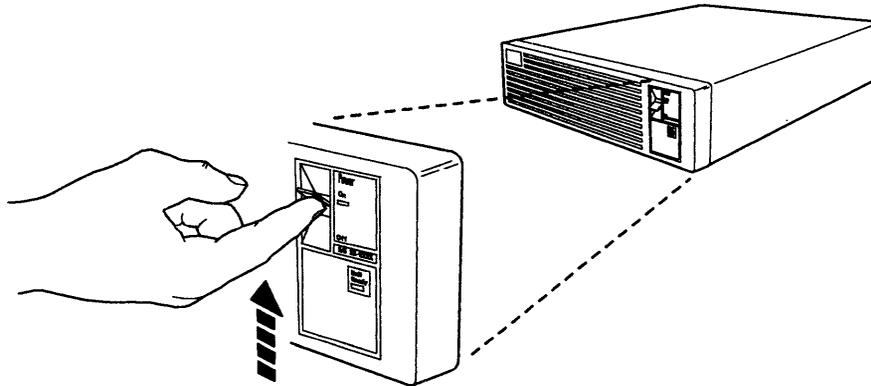
Go to **7.31** .

**Note:** Shape of plug may vary.

## CHECKING OUT YOUR SECOND 9332 DISK UNIT

7.31

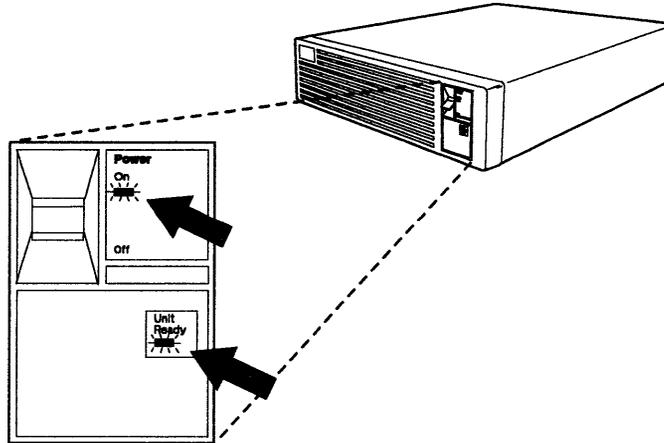
Set the power switch to the On position.



Go to **7.32** .

7.32

The 9332 Disk Unit check out is complete when both the Power Ready and Unit Ready lights remain on. This should occur in approximately 90 seconds.



If any other lights are on or if any lights are flashing, see the manual *Analyzing Problems IBM 9332 Disk Unit, GA21-9837*.



7.33

The computer will not recognize the new 9332 Disk Unit(s) until information about the unit is loaded into the computer. This process is called configure-customize.

To perform configure-customize, you will need the Release 5 IBM Software Distribution diskettes. Go to Section 8. *Checking Out and Configuring Your Computer*.

## REMOVING A 9332 DISK UNIT(S)

### 7.34

This section takes you through the steps necessary to remove a 9332 Disk Unit(s) from your computer.

The steps *must* be done in the indicated order:

1. Save the information that is now on the 9332 Disk Unit(s).
2. Delete the information from the 9332 Disk Unit(s).
3. Run the configure-customize program to delete the 9332 Disk Unit from the disk configuration.

Only one drive can be deleted from the configuration at a time.

4. Physically remove the 9332 Disk Unit from the computer.

Repeat steps 1 through 4 to remove a second drive.



### 7.35

9332 Disk Units are removed one at a time starting at the end of the logical chain. The end of the logical chain is the 9332 Disk Unit with the terminator installed.

To remove a 9332 Disk Unit that is not at the end of the logical chain (a drive #0), you must remove drive #1, remove drive #0, then reinstall drive #1 (making it the new drive #0).

Only previously configured-customized disk units can be removed.

Go to **7.36** .

Take the following steps to save the information that is on the 9332 Disk Unit(s), then delete the information from the disk(s):

1. Run the CATALOG procedure using the LOCATION parameter to get a list of the files, folders, and libraries on your computer. For more information, see the manual *System Reference*.
2. Determine what files, folders, and libraries are on the disk unit to be removed. For information on placement by block number location, see the manual *Concepts & Programmer's Guide*.

**Note:** A file, folder or library may span from the disk to be removed to another 9332 Disk Unit or the internal disk. If so, it must be saved also.

3. If history files, spool files, and job queues are on the disk unit: print out any history information and spool file information needed; allow jobs on the job queue to finish.
4. If user disk files are on the disk, run the SAVE procedure to save them. For more information, see the manual *System Reference*.
5. If user folders are on the disk unit, run the SAVEFLDR procedure to save them. For more information, see the manual *System Reference*.
6. If user libraries are on the disk unit, run the SAVELIBR procedure to save them. For more information, see the manual *System Reference*.
7. If any program products are on the disk unit, run the appropriate procedures to save them. For more information, see "Task 5 Saving the Information" in the manual *Changing Your System Configuration*.

■■■■■■▶ Step 7.36 Continued

- 
8. Delete the files, folders, and libraries from the disk unit by using the DELETE command. If you've deleted sensitive data, run the INIT9332 procedure to initialize the disk unit when all deletions are complete. For more information, see the manual *System Reference*.



**7.37**

Go to **8.1** in Section 8: *Checking Out and Configuring Your Computer* in this manual. When prompted by the Configure-Customize program, you must delete the external drive(s) (9332 Disk Unit(s)) you will be removing.

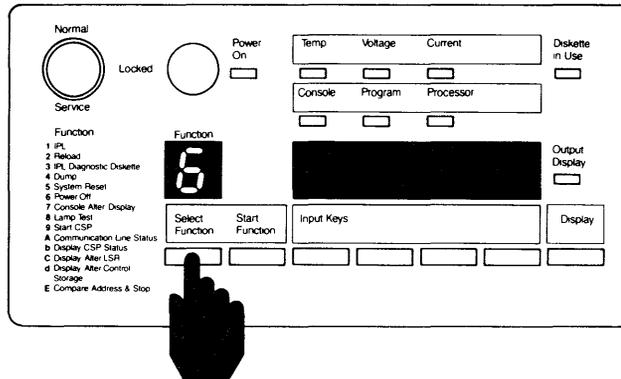
When you have completed Section 8, go to step **7.38** .

7.38

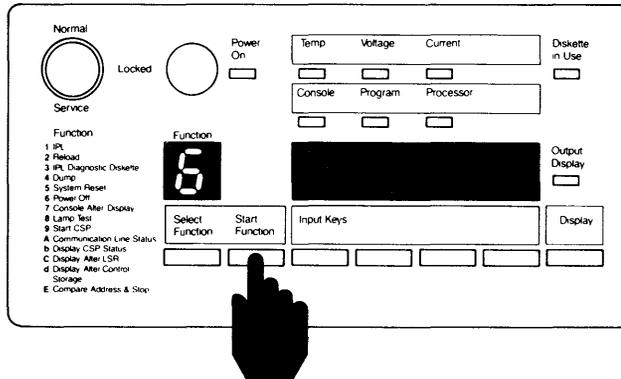
Check to make sure that all jobs have been completed before turning off the computer.

Turn off the computer using the following steps.

- a. Press the Select Function key until **5** appears.



- b. Press the Start Function key.



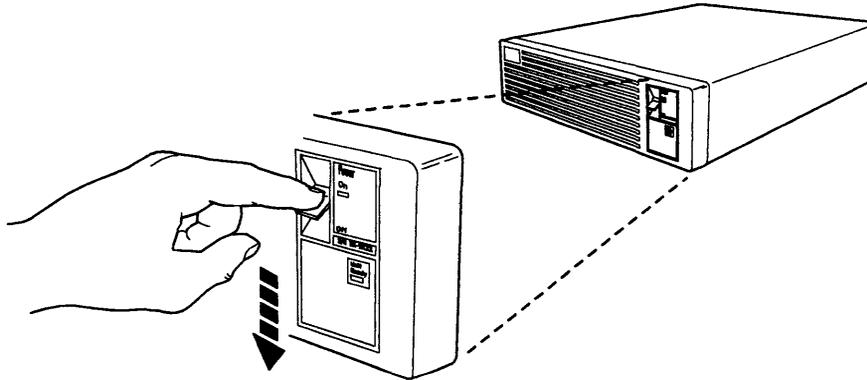
- c. Leave the system console turned on.

Go to **7.39** .

The **5** will flash to indicate that the computer is turning off.

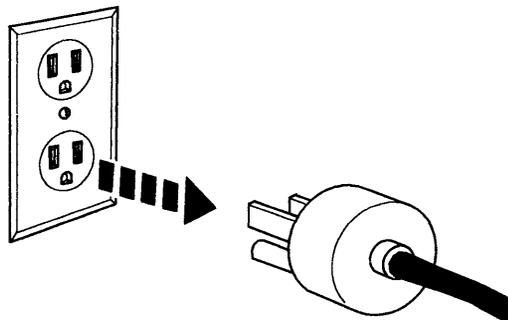
7.39

Set the Power switch to Off on the 9332 Disk Unit you are removing.



7.40

Disconnect the power cord from the electrical outlet.

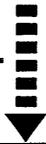
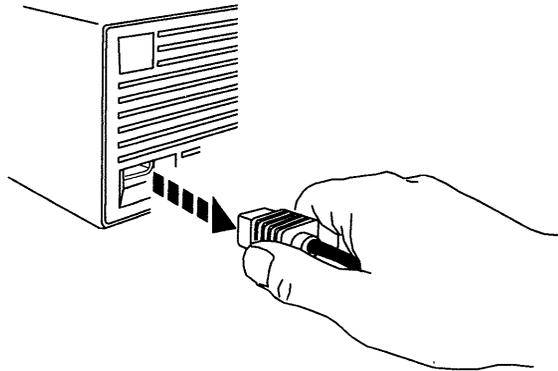


Go to **7.41** .

Note: Shape of plug may vary.

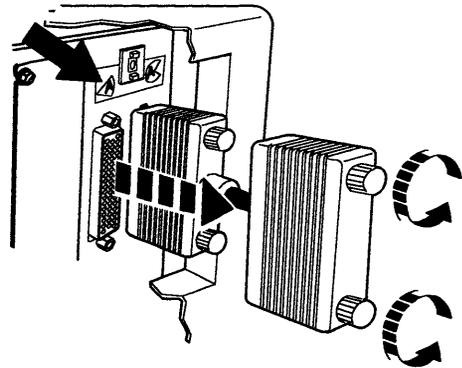
7.41

Disconnect the power cable from the 9332 Disk Unit.



7.42

Remove the terminator from the outlet labeled with a pie shape on the rear of the 9332 Disk Unit.



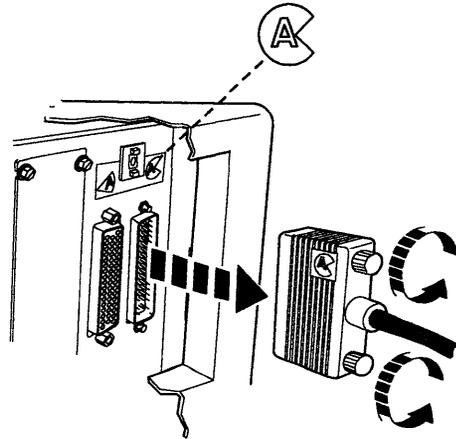
Turn the thumbscrews counterclockwise to loosen and remove the terminator.

Go to **7.43** .

**Note:** The terminator will be used later in this procedure.

7.43

Remove the 9332 Disk Unit signal cable from the outlet labeled with an incomplete circle on the rear of the 9332 Disk Unit.



Turn the thumbscrews counterclockwise to loosen and remove the cable connector.

Do NOT pull on the cable. Pulling on the cable, instead of the connector, can damage the cable.

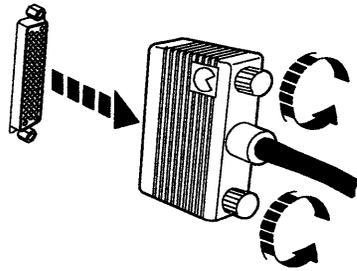
**CAUTION:**

If you plan to move or ship the 9332 Disk Unit, failure to lock the shock mounts could result in damage to the disk. Refer to the manual *Installing IBM 9332 Disk Unit, SA21-9804* for information on how to do this. After locking the shock mount, go to **7.44** in this manual.

Go to **7.44** .

7.44

Remove the other end of the 9332 Disk Unit signal cable from the next unit on the cable path (another 9332 Disk Unit or the 5362 System Unit).

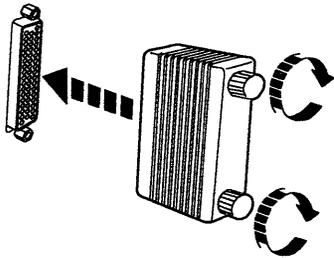


Turn the thumbscrews counterclockwise to loosen and remove the cable connector.



7.45

Connect the terminator to the next unit. (The unit that the 9332 Disk Unit signal cable was removed from in **7.44** .)



Turn the thumbscrews clockwise until they are tight.

Go to **7.46** .

**Note:** If your system now has no 9332 disk units installed, the terminator must be connected to the system unit.

7.46

Do you want to remove another 9332 Disk Unit?

YES



7.36

NO



You have completed the removal of a 9332 Disk Unit(s).

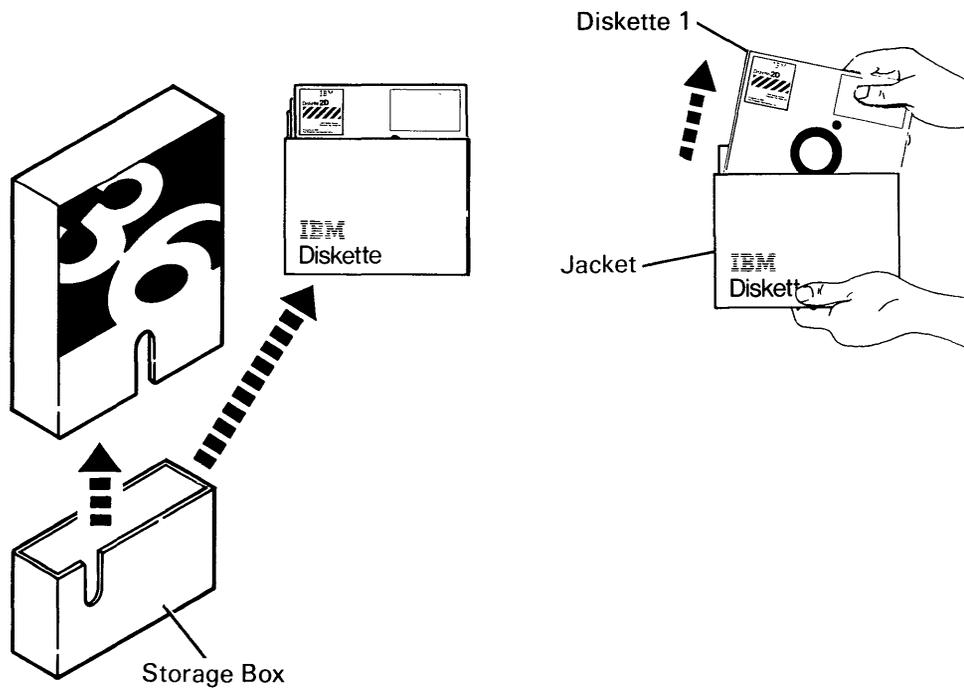
## Section 8. Checking Out and Configuring Your Computer

8.1

**IMPORTANT:** You must use only diskettes 1, 2, and 3 that come with this computer.

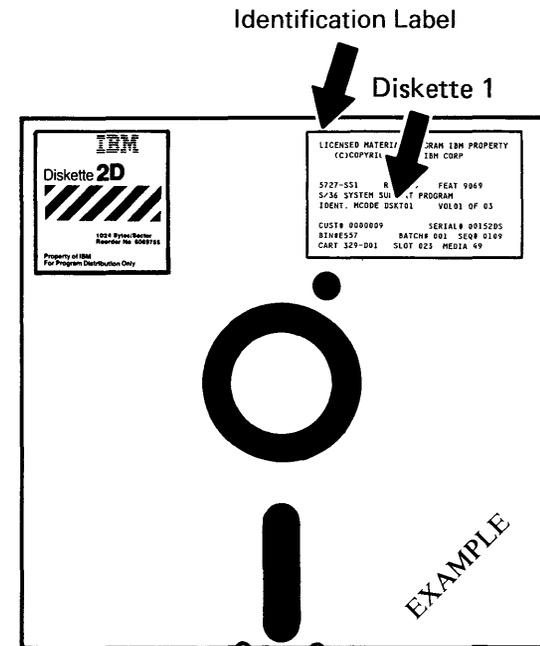
8.2

Find diskette 1.



## CHECKING OUT YOUR COMPUTER

Carefully check the identification label to make sure you have diskette 1.

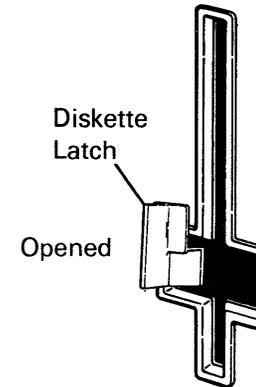
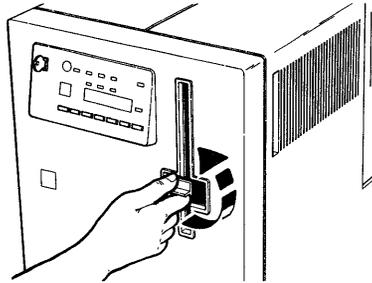


### CAUTION

- Always handle the diskette by the identification label area to avoid touching the recording surface. Fingerprints on the recording surface can cause diskette errors.
- Keep magnets away from the diskette.
- Always return the diskette to its jacket when not being used.

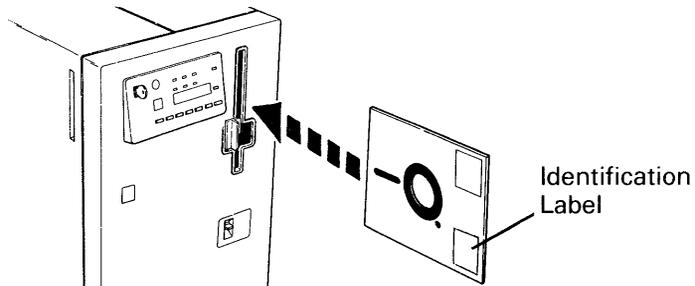
8.3

Open the diskette latch.



8.4

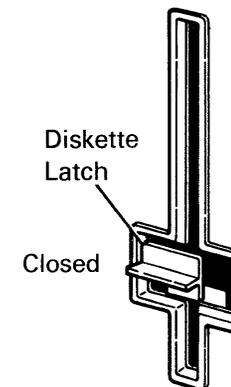
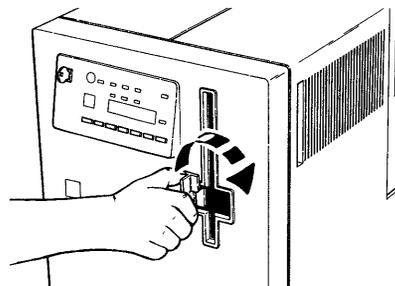
Insert diskette 1 with the identification label positioned as shown.



**Note:** Make sure that you insert the diskette correctly. If a system reference code of 210A appears on the operator panel after you press the Power key, you probably have the diskette inserted wrong.

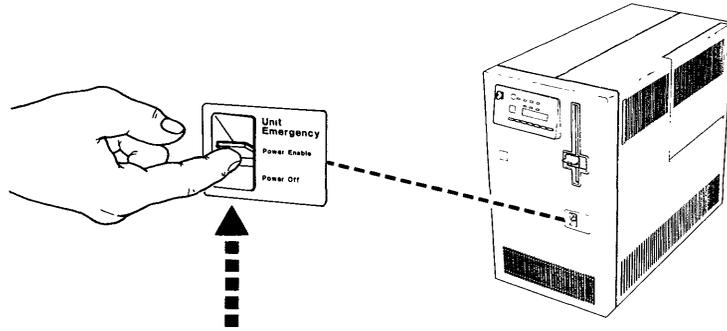
8.5

Close the diskette latch.



8.6

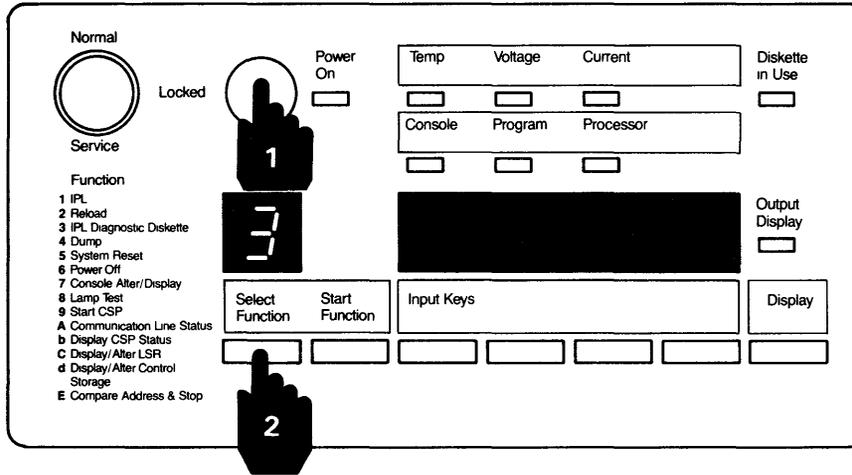
**Make sure that the Unit Emergency switch is set to the Power Enable position. Do NOT power off, then power on the system.**



After the Unit Emergency switch is set to the Power Enable position, use this switch only during an emergency to turn off the computer.

8.7

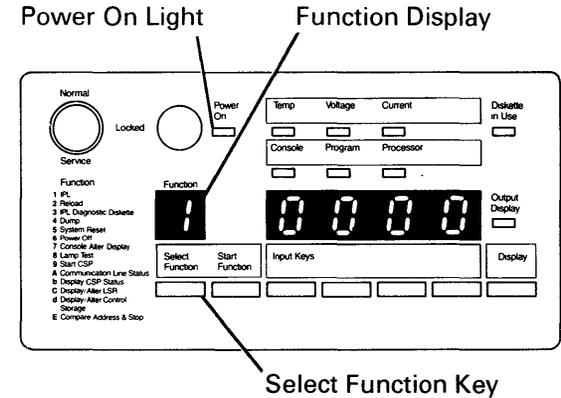
Make sure the security lock is in the Service position. If the security lock is not in the service position, turn it to the Service position as shown in Step 2.8 in this manual.



Press the Power key (1) to turn on the computer.

Press the Select Function (2) key until 3 appears in the Select Function display.

If the Power On light does not come on, go to 12.A in the back of this manual.

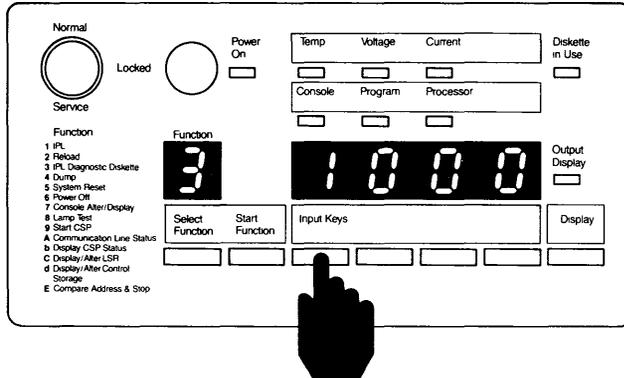


A 1 should be displayed in the function display when you turn on the computer.

If you go beyond the number 3, just keep pressing the Select Function key until it appears again.

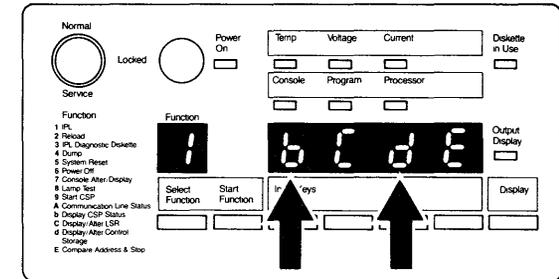
8.8

Enter 1000 by pressing the first Input key.



An input key automatically advances the numbers (1 through 9) and letters (A through E) until you release the key.

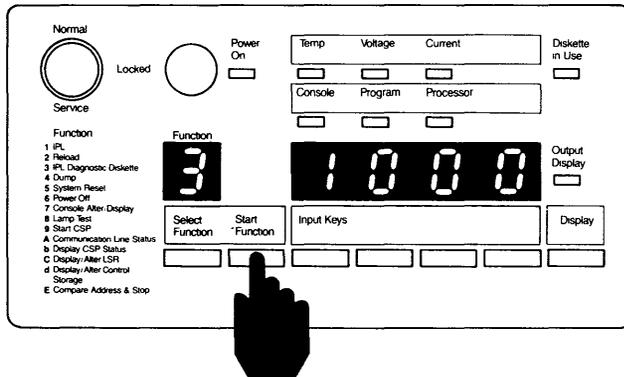
**Note:** Letters b and d are displayed in lower case, as shown:



If you go beyond the number 1, just keep pressing the input key until it shows up again.

8.9

Press the Start Function key.



When you press the Start Function key, the computer takes from 10 to 20 minutes to check itself to make sure it is ready to operate.

1000 is a special code that the computer uses when the security key is in the Service position. The code remains displayed on the operator panel during checkout or until a system reference code is displayed in its place.

During system checkout, a number will continue to appear, then disappear on your system console in 30-second to 3-minute intervals until system checkout is complete.

**8.10**

Go to the system console. Display 01 appears in about 10 to 20 minutes.

```

01          SYSTEM/36 CONFIGURE-CUSTOMIZE PROGRAM
          DOCUMENTATION GROUP SELECTION MENU

SELECT ONE OF THE FOLLOWING OPTIONS AND PRESS THE ENTER KEY.

1. \STERREICH/DEUTSCHLAND      10. pt (pt )
2. BELGIE (VLAAMS)            11. NEDERLAND
3. BELGIQUE (FRANCAIS)        12. NORGE
4. CANADA (FRANCAIS)          13. PORTUGAL
5. DANMARK                    14. ESPAÑA
6. SUOMI                      15. HABLA ESOA#OLA
7. FRANCE                     16. SVERIGE
8. ITALIA                     17. UNITED KINGDOM
9. JAPAN (ENGLISH)           18. UNITED STATES

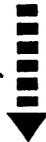
OPTION: _
    
```

*EXAMPLE*

The Configure-Customize Program display number is always in the upper left corner of the display.

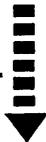
Is display 01 displayed on the system console?

YES



**8.14**

NO



**8.11**

```

01          SYSTEM/36 CONFIGURE-CUSTOMIZE PROGRAM
          DOCUMENTATION GROUP SELECTION MENU

SELECT ONE OF THE FOLLOWING OPTIONS AND PRESS THE ENTER KEY.

1. \STERREICH/DEUTSCHLAND      10. pt (pt )
2. BELGIE (VLAAMS)            11. NEDERLAND
3. BELGIQUE (FRANCAIS)        12. NORGE
4. CANADA (FRANCAIS)          13. PORTUGAL
5. DANMARK                    14. ESPAÑA
6. SUOMI                      15. HABLA ESOA#OLA
7. FRANCE                     16. SVERIGE
8. ITALIA                     17. UNITED KINGDOM
9. JAPAN (ENGLISH)           18. UNITED STATES

OPTION: _

XXXX 01-01
    
```

*EXAMPLE*

On some display stations, these four numbers identify the cursor position on the screen. They change when the cursor moves to a new position. Do not confuse these numbers with the system reference code (also four numbers).

A system reference code (if one is displayed) appears here in the first four positions. A system reference code is a 4-digit number that tells you something about the operation of the computer. The meaning of each code is explained in **12.F**.

**Note:** Some system reference codes have an alphabetic prefix. If one of those system reference codes appear, the cursor position numbers (if device has them) move to the right.

**Note:** You must complete the Configure-Customize Program. Any changes made during Configure-Customize do not take affect until the Configure-Customize Program is completed and your computer is IPLd.

**8.11**

```
02          SYSTEM/36 CONFIGURE-CUSTOMIZE PROGRAM
          Configuration Verification
Is the following configuration list correct ? (1 = Yes, 2 = No)
          See Note 1

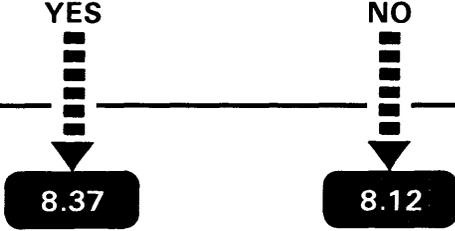
Documentation group . . . . . United States
Keyboard Character Set . . . . . United States
Multinational Character Set . . . . . No
Computer Location . . . . . Other (See Note 2)
RPQ to be installed . . . . . No
Extended input fields . . . . . No
Internal Disk storage size . . . . . 60M bytes
External Disk storage size . . . . . 200M

Option: _

Note 1: Features installed will appear when option 1 is chosen.
Note 2: Country other than Canada, Japan, or United States.
```

EXAMPLE

Is display 02 displayed on the system console?



41

SYSTEM/36 CONFIGURE-CUSTOMIZE PROGRAM  
External Disk Configuration Verification

Following is what is currently configured and what has been detected. Newly detected disk drives must be added before they are available for system use.

Drive #	S/N	Current	Detected
0	87654321	200MB	200MB
1	00000000		200MB

Note: Serial numbers will appear only for the devices that have been previously configured/customized.

Select one of the following options and press the Enter key.

1. The current configuration is correct.
2. ADD an external disk to what is currently configured.
3. DELETE an external disk from what is currently configured.

Option:  
Disk drives must be detected before they can be configured.

EXAMPLE

Is display 41 displayed on the system console?

YES



8.19

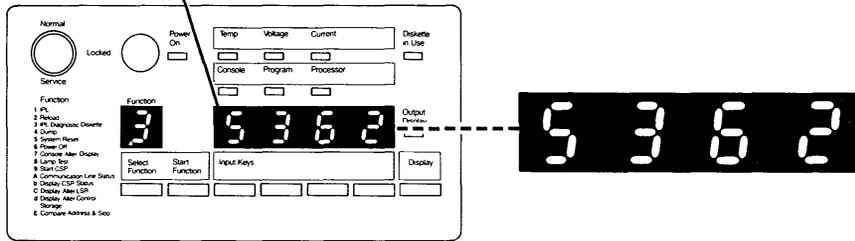
NO



8.13

8.13

Output Display



A number appearing on the computer output display is a system reference code.

Did 5362 appear on the computer output display?

YES

12.C

NO

12.B

8.14

Look on Form C4, select the option number for your documentation group on display 01, and then press the Enter key.

```

01          SYSTEM/36 CONFIGURE-CUSTOMIZE PROGRAM
          DOCUMENTATION GROUP SELECTION MENU

SELECT ONE OF THE FOLLOWING OPTIONS AND PRESS THE ENTER KEY.

1. \STERREICH/DEUTSCHLAND      10. pt (pt )
2. BELGIE (VLAAMS)            11. NEDERLAND
3. BELGIQUE (FRANCAIS)       12. NORGE
4. CANADA (FRANCAIS)         13. PORTUGAL
5. DANMARK                    14. ESPA#A
6. SUOMI                      15. HABLA ESOA#OLA
7. FRANCE                    16. SVERIGE
8. ITALIA                    17. UNITED KINGDOM
9. JAPAN (ENGLISH)          18. UNITED STATES

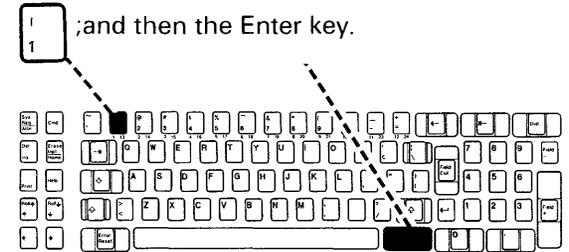
OPTION: _
    
```

EXAMPLE

**IMPORTANT:** Because additional help is included in the manual, follow the instructions in the manual and not on the display.

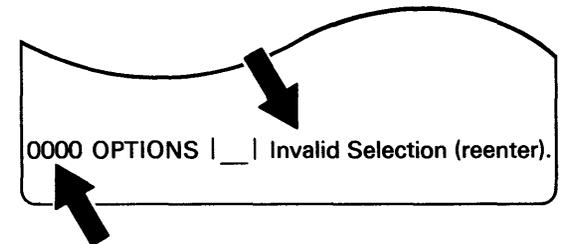
CONFIGURING YOUR COMPUTER

When selecting an option number, always press a number key first, such as



If you are unsure about which option (documentation group) to select, see Form C4. Form C4 (configuration list) should have been completed in *Planning to Set Up Your Computer: Workbook 3, SA21-9476*.

If you select the wrong option and see Invalid Input or Invalid Selection displayed at the bottom of your display, enter the correct option and press the Enter key.



If you see a flashing 4-digit number, press the Error Reset key or go to **12.F**.

If you have trouble selecting an option, go to **12.E**.

8.15

Select the step that matches the display on the system console.

08 SYSTEM/36 CONFIGURE-CUSTOMIZE PROGRAM  
Keyboard Character Set Selection  
Select one of the following options and press the Enter key.

1. Austria/Germany	14. Japanese (Katakana)
2. Belgium	15. Norway
3. Canadian French	16. Portugal
4. Denmark	17. Spain
5. Finland	18. Spanish Speaking
6. France (AZERTY)	19. Sweden
7. France (QWERTY)	20. Swiss (French)
8. International	21. Swiss (German)
9. Italy	22. United Kingdom
10. Japan (English)	23. United States
11. Japanese Kanji	24. West DBCS
12. Japanese Kanji	25. Netherlands
13. Japanese (Katakana)	26. Special Character Set (RPG)

Option: \_

EXAMPLE

31 SYSTEM/36 CONFIGURE-CUSTOMIZE PROGRAM  
Microcode Level Mismatch  
The operating system microcode is currently at release level x.  
The diskette is at release level y.  
Select one of the following options and press the Enter key.

1. Do not change the microcode release level.
2. Change the operating system microcode from release level x to release level y.

Option: \_

EXAMPLE

8.16

Go to the manual  
*Installing Your  
New Features-*  
5362 Appendix B.

08

SYSTEM/36 CONFIGURE-CUSTOMIZE PROGRAM

## Keyboard Character Set Selection

Select one of the following options and press the Enter key.

- |  |                                 |
|--|---------------------------------|
| 1. Austria/Germany                             | 14. Japanese (Katakana)         |
| 2. Belgium                                     | (with Enhanced Keyboard)        |
| 3. Canadian French                             | 15. Norway                      |
| 4. Denmark                                     | 16. Portugal                    |
| 5. Finland                                     | 17. Spain                       |
| 6. France (AZERTY)                             | 18. Spanish Speaking            |
| 7. France (QWERTY)                             | 19. Sweden                      |
| 8. International                               | 20. Swiss (French)              |
| 9. Italy                                       | 21. Swiss (German)              |
| 10. Japan (English)                            | 22. United Kingdom              |
| 11. Japanese Kanji                             | 23. United States               |
| 12. Japanese Kanji<br>(with Enhanced Keyboard) | 24. Sear DBCS                   |
| 13. Japanese (Katakana)                        | 25. Netherlands                 |
|  | 26. Special Character Set (RPQ) |

Option: \_

EXAMPLE

Look on Form C4, select the keyboard character set on display 08, and then press the Enter key. Display 10 appears.

The keyboard character set is a predefined set of alphabetic, numeric, and special characters on a keyboard used for a given country.

8.17

10 SYSTEM/36 CONFIGURE-CUSTOMIZE PROGRAM

Computer Location

Select one of the following options and press the Enter key.

- 1. Canada
- 2. Japan
- 3. United States
- 4. Any other country

Option: \_

EXAMPLE

Look on Form C4, select one of the four options on display 10, then press the Enter key.

8.18

Select the step that matches the display on the system console.

02

SYSTEM/36 CONFIGURE-CUSTOMIZE PROGRAM

Configuration Verification

Is the following configuration list correct ? (1 = Yes, 2 = No) See Note 1

```

Documentation group . . . . . United States
Keyboard Character Set . . . . . United States
Multinational Character Set . . . . . No
Computer Location . . . . . Other (See Note 2)
RPG to be installed . . . . . No
Extended Input Facids . . . . . No
Internal disk storage size . . . . . 30M bytes
External Disk storage size . . . . . 200M (See Note 3)

```

Option: \_

Note 1: Features installed will appear when option 1 is chosen.  
 Note 2: Country other than Canada, Japan, or United States.  
 Note 3: External disk requires a minimum of 60MB internal disk.

EXAMPLE

41

SYSTEM/36 CONFIGURE-CUSTOMIZE PROGRAM  
External Disk Configuration Verification

Following is what is currently configured and what has been detected. Newly detected disk drives must be added before they are available for system use.

Drive #	S/N	Current	Detected
0	87654321	200MB	200MB
1	00000000		200MB

Note: Serial numbers will appear only for the devices that have been previously configured/customized

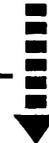
Select one of the following options and press the Enter key.

- 1. The current configuration is correct.
- 2. ADD an external disk to what is currently configured.
- 3. DELETE an external disk from what is currently configured.

Option: \_

Disk drives must be detected before they can be configured.

EXAMPLE



8.37



8.19

## Compare display 41 to Form C4.

Go to the appropriate step.

**41**

SYSTEM/36 CONFIGURE-CUSTOMIZE PROGRAM  
External Disk Configuration Verification

Following is what is currently configured and what has been detected. Newly detected disk drives must be added before they are available for system use.

Drive #	S/N	Current	Detected
0	87654321	200MB	200MB
1	00000000		200MB

Note: Serial numbers will appear only for the devices that have been previously configured/customized.

Select one of the following options and press the Enter key.

1. The current configuration is correct.
2. ADD an external disk to what is currently configured.
3. DELETE an external disk from what is currently configured.

Option:  
Disk drives must be detected before they can be configured.

EXAMPLE

Disk Configuration  
is correct

8.36

Add an  
external disk

8.20

Delete an  
external disk

8.26

Disk Configuration  
is wrong

12.1

Note: Drive #1 is detected but not configured.

To add an external disk drive to your system, Display 41 must list the drive as detected. Detected means that the system senses the installed drive. If the drive is detected, but nothing is shown under Current, the drive has not been added to the system's configuration. Selecting option 2 will begin the procedure to add the (detected) drive to the configuration.

```

41          SYSTEM/36 CONFIGURE-CUSTOMIZE PROGRAM
          External Disk Configuration Verification

Following is what is currently configured and what has been
detected. Newly detected disk drives must be added before they
are available for system use.

  Drive #   S/N       Current   Detected
    0       87654321   200MB   200MB
    1       00000000           200MB

Note: Serial numbers will appear only for the devices that
have been previously configured/customized.

Select one of the following options and press the Enter key.

1. The current configuration is correct.
2. ADD an external disk to what is currently configured.
3. DELETE an external disk from what is currently configured.

Option: _
Disk drives must be detected before they can be configured.

```

EXAMPLE

Do you want to add an external disk drive to the system configuration?

YES



8.21

NO



8.19

41

SYSTEM/36 CONFIGURE-CUSTOMIZE PROGRAM  
External Disk Configuration Verification

Following is what is currently configured and what has been detected. Newly detected disk drives must be added before they are available for system use.

Drive #	S/N	Current	Detected
0	87654321	200MB	200MB
1	00000000		200MB

Note: Serial numbers will appear only for the devices that have been previously configured/customized.

Select one of the following options and press the Enter key.

1. The current configuration is correct.
2. ADD an external disk to what is currently configured.
3. DELETE an external disk from what is currently configured.

Option: \_  
Disk drives must be detected before they can be configured.

EXAMPLE

Select option 2 on display 41, and press the Enter key. Display 42 appears.

8.22

```
42          SYSTEM/36 CONFIGURE-CUSTOMIZE PROGRAM
          Add an External Disk

The addition of external disk(s) have been detected on
your system. This addition would make your system
configuration to be as follows:

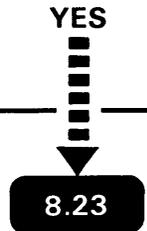
    Drive 0 = 200MB
    Drive 1 = 200MB

Note: External disks are added in logical order. To change
that order, you must first delete from the current
configuration and then re-add the disk.

Do you wish to continue with this request? (1=Yes, 2=No)
Option: _
Press Enter to continue.
```

EXAMPLE

Is the configuration correct?



8.23

Select option 1 on display 42, and press the Enter key. Display 41 appears.

**41** SYSTEM/36 CONFIGURE-CUSTOMIZE PROGRAM  
External Disk Configuration Verification

Following is what is currently configured and what has been detected. Newly detected disk drives must be added before they are available for system use.

Drive #	S/N	Current	Detected
0	87654321	200MB	200MB
1	00000000	200MB	200MB

Note: Serial numbers will appear only for the devices that have been previously configured/customized.

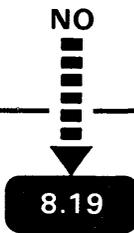
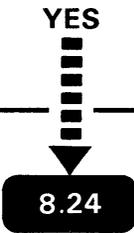
Select one of the following options and press the Enter key.

1. The current configuration is correct.
2. ADD an external disk to what is currently configured.
3. DELETE an external disk from what is currently configured.

Option: \_  
Disk drives must be detected before they can be configured.

*EXAMPLE*

Is the disk configuration correct?



8

**8.24**

Select option 1 on display 41, and press the Enter key.

```
41          SYSTEM/36 CONFIGURE-CUSTOMIZE PROGRAM
          External Disk Configuration Verification

Following is what is currently configured and what has been
detected. Newly detected disk drives must be added before they
are available for system use.

      Drive #      S/N      Current      Detected
         0      87654321      200MB      200MB
         1      00000000      200MB      200MB

Note: Serial numbers will appear only for the devices that
have been previously configured/customized.

Select one of the following options and press the Enter key.

  1. The current configuration is correct.
  2. ADD an external disk to what is currently configured.
  3. DELETE an external disk from what is currently configured.

Option: _
Disk drives must be detected before they can be configured.
```

EXAMPLE

Display 02 appears.

Go to **8.37** .

**8.25**

If the configuration is not correct, select option 2 on display 42 and press the Enter key. No change is made to the system configuration. Display 41 appears.

Go to step **8.19** and select the appropriate path.

To remove an external disk drive from your system, Display 41 must list the drive as current. Current means that the drive had been added to the system's configuration at an earlier time. Only one drive can be deleted from the configuration at a time.

With more than one configured drive, the last (logical) drive will be deleted first.

41

SYSTEM/36 CONFIGURE-CUSTOMIZE PROGRAM  
External Disk Configuration Verification

Following is what is currently configured and what has been detected. Newly detected disk drives must be added before they are available for system use.

Drive #	S/N	Current	Detected
0	87654321	200MB	200MB
1	12345678	200MB	200MB

Note: Serial numbers will appear only for the devices that have been previously configured/customized.

Select one of the following options and press the Enter key.

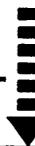
1. The current configuration is correct.
2. ADD an external disk to what is currently configured.
3. DELETE an external disk from what is currently configured.

Option: \_  
Disk drives must be detected before they can be configured.

EXAMPLE

Do you want to delete an external disk drive?

YES



8.27

NO



8.19

**41**SYSTEM/36 CONFIGURE-CUSTOMIZE PROGRAM  
External Disk Configuration Verification

Following is what is currently configured and what has been detected. Newly detected disk drives must be added before they are available for system use.

Drive #	S/N	Current	Detected
0	87654321	200MB	200MB
1	12345678	200MB	200MB

Note: Serial numbers will appear only for the devices that have been previously configured/customized.

Select one of the following options and press the Enter key.

1. The current configuration is correct.
2. ADD an external disk to what is currently configured.
3. DELETE an external disk from what is currently configured.

Option: \_  
Disk drives must be detected before they can be configured.

**EXAMPLE**

Select option 3 on display 41, and press the Enter key. Display 43 appears.

Go to **8.28** .

**Confirm that the external disk drive listed should be removed from your system.**

```
43          SYSTEM/36 CONFIGURE-CUSTOMIZE PROGRAM
          Delete an External Disk

External disks are deleted one by one starting at the end
of the logical chain. The information following is that
of the external disk that will be deleted.

          Drive 1  S/N 12345678  200MB

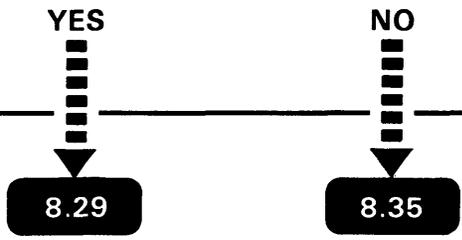
Do you wish to continue with this deletion request? (1=Yes, 2=No)

Option:  _

Press Enter to continue.
```

EXAMPLE

**Do you want to continue with this deletion request?**



8.29

Select option 1 on display 43 and press the Enter key. Display 44 appears.

**44**

SYSTEM/36 CONFIGURE-CUSTOMIZE PROGRAM

Delete an External Disk

You are requesting to delete the following external disk drive.

Drive 1 S/N 12345678 200MB

THIS DRIVE WILL BE UNACCESSABLE AND ALL DATA ON IT WILL BE  
LOST IF YOU CONTINUE WITH THIS DELETION REQUEST.

Do you want to delete this drive? (1=Yes, 2=No)

Option: \_

Press Enter to continue.

EXAMPLE

8.30

Display 44 is a second check of the requested deletion. If you continue with the disk deletion, the disk will not be accessible and all data on the disk will be lost.

```
44          SYSTEM/36 CONFIGURE-CUSTOMIZE PROGRAM
          Delete an External Disk

You are requesting to delete the following external disk drive.

          Drive 1  S/N 12345678  200MB

THIS DRIVE WILL BE UNACCESSABLE AND ALL DATA ON IT WILL BE
LOST IF YOU CONTINUE WITH THIS DELETION REQUEST.
Do you want to delete this drive? (1=Yes, 2=No)
Option:  _

Press Enter to continue.
```



EXAMPLE

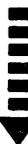
Are you **POSITIVE** you want to delete the disk?

YES



8.31

NO



8.33

**8.31****44**

SYSTEM/36 CONFIGURE-CUSTOMIZE PROGRAM

Delete an External Disk

You are requesting to delete the following external disk drive.

Drive 1 S/N 12345678 200MB

THIS DRIVE WILL BE UNACCESSABLE AND ALL DATA ON IT WILL BE  
LOST IF YOU CONTINUE WITH THIS DELETION REQUEST.

Do you want to delete this drive? (1=Yes, 2=No)

Option: \_

Press Enter to continue.

*EXAMPLE*

**Select option 1 on display 44 and press the Enter key. Display 41 appears.**

**Go to **8.32** .**

```

41          SYSTEM/36 CONFIGURE-CUSTOMIZE PROGRAM
          External Disk Configuration Verification

Following is what is currently configured and what has been
detected. Newly detected disk drives must be added before they
are available for system use.

  Drive #   S/N       Current   Detected
    0       87654321   200MB    200MB

Note: Serial numbers will appear only for the devices that
have been previously configured/customized.

Select one of the following options and press the Enter key.

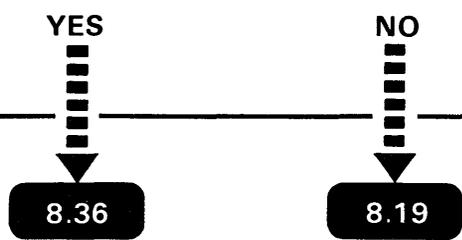
1. The current configuration is correct.
2. ADD an external disk to what is currently configured.
3. DELETE an external disk from what is currently configured.

Option:
Disk drives must be detected before they can be configured.

```

EXAMPLE

Is the disk configuration correct?



8.33

44

SYSTEM/36 CONFIGURE-CUSTOMIZE PROGRAM

Delete an External Disk

You are requesting to delete the following external disk drive.

Drive 1 S/N 12345678 200MB

THIS DRIVE WILL BE UNACCESSABLE AND ALL DATA ON IT WILL BE  
LOST IF YOU CONTINUE WITH THIS DELETION REQUEST.

Do you want to delete this drive? (1=Yes, 2=No)

Option: \_

Press Enter to continue.

EXAMPLE

Select option 2 on display 44 and press the Enter key. The drive is not deleted. Display 41 appears.

Go to **8.34** .

41

SYSTEM/36 CONFIGURE-CUSTOMIZE PROGRAM  
External Disk Configuration Verification

Following is what is currently configured and what has been detected. Newly detected disk drives must be added before they are available for system use.

Drive #	S/N	Current	Detected
0	87654321	200MB	200MB
1	12345678	200MB	200MB

Note: Serial numbers will appear only for the devices that have been previously configured/customized.

Select one of the following options and press the Enter key.

1. The current configuration is correct.
2. ADD an external disk to what is currently configured.
3. DELETE an external disk from what is currently configured.

Option: \_  
Disk drives must be detected before they can be configured.

EXAMPLE

Is the disk configuration correct?

YES



8.36

NO



8.19

8.35

Select option 2 on display 43 and press the Enter key.

```
43          SYSTEM/36 CONFIGURE-CUSTOMIZE PROGRAM
          Delete an External Disk

External disks are deleted one by one starting at the end
of the logical chain. The information following is that
of the external disk that will be deleted.

          Drive 1  S/N 12345678  200MB

Do you wish to continue with this deletion request? (1=Yes, 2=No)

Option:  _

Press Enter to continue.
```

EXAMPLE

Display 41 appears.

Go to **8.19** .

**Current configuration is correct.****41**SYSTEM/36 CONFIGURE-CUSTOMIZE PROGRAM  
External Disk Configuration Verification

Following is what is currently configured and what has been detected. Newly detected disk drives must be added before they are available for system use.

Drive #	S/N	Current	Detected
0	87654321	200MB	200MB
1	12345678	200MB	200MB

Note: Serial numbers will appear only for the devices that have been previously configured/customized.

Select one of the following options and press the Enter key.

1. The current configuration is correct.
2. ADD an external disk to what is currently configured.
3. DELETE an external disk from what is currently configured.

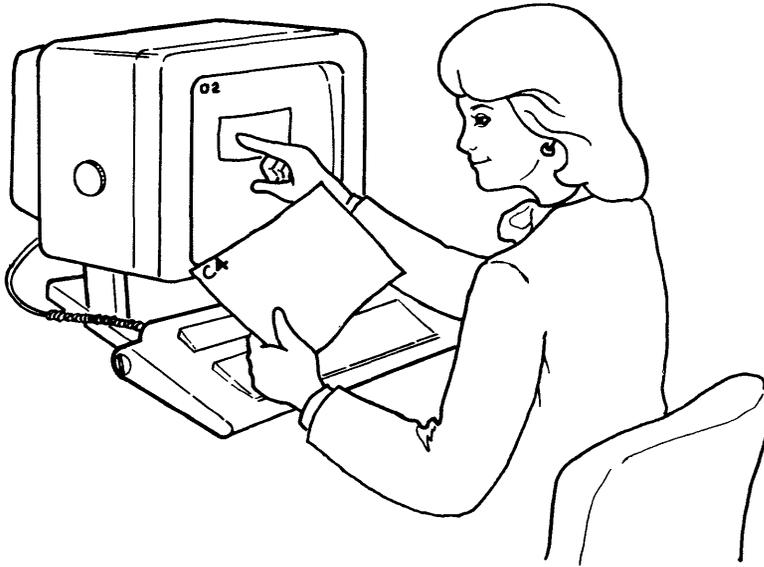
Option: \_  
Disk drives must be detected before they can be configured.

EXAMPLE

**Select option 1 on display 41 and press the Enter key. Display 02 appears.**

8.37

Compare the seven items on display 02 to those same seven items recorded on Form C4.



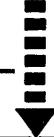
Do those items on display 02 match those items recorded on Form C4?

YES



8.38

NO



8.53

The seven items to be compared are:

```
02          SYSTEM/36 CONFIGURE-CUSTOMIZE PROGRAM
          Configuration Verification
Is the following configuration list correct ? (1 = Yes, 2 = No)
See Note 1
Documentation group . . . . . United States
Keyboard Character Set . . . . . United States
Multinational Character Set . . . . . No
Computer Location . . . . . Other (See Note 2)
IBM GC 55 available . . . . . NO
Extended input fields . . . . . NO
Internal Disk storage size . . . . . 60M bytes
External Disk storage size . . . . . 200M

Option: _
Note 1: Features installed will appear when option 1 is chosen.
Note 2: Country other than Canada, Japan, or United States.
```

EXAMPLE

**Notes:**

1. Configuration items Multinational Character Set and Extended Input fields default to NO.
2. Configuration item External disk storage size will only appear if the 9332 Disk Unit support is installed in your system.

```
02          SYSTEM/36 CONFIGURE-CUSTOMIZE PROGRAM
          Configuration Verification
Is the following configuration list correct ? (1 = Yes, 2 = No)
          See Note 1

Documentation group . . . . . United States
Keyboard Character Set . . . . . United States
Multinational Character Set . . . . . No
Computer Location . . . . . Other (See Note 2)
RPQ to be installed . . . . . No
Extended input fields . . . . . No
Internal Disk storage size . . . . . 60M bytes
External Disk storage size . . . . . 200M

Option: _

Note 1: Features installed will appear when option 1 is chosen.
Note 2: Country other than Canada, Japan, or United States.
```

EXAMPLE

Select option 1 on display 02, and press the Enter key. Display 35 appears.

8.39

```
35          SYSTEM/36 CONFIGURE-CUSTOMIZE PROGRAM
          Configuration Verification Features Installed

Is the following configuration list correct (1 = Yes, 2 = No)?

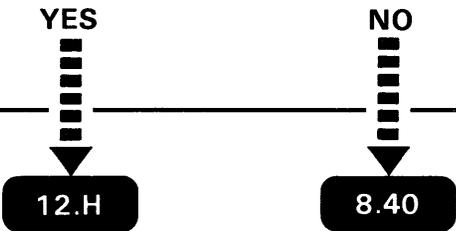
Main storage size (total) . . . . 1024K bytes (See Note 1)
Maximum Work stations supported . . 28
Communications type . . . . .MLCA
Line 1 . . . . .EIA/CCITT with Autocall
Line 2 . . . . .DDSA
Line 3 . . . . .EIA/CCITT
Line 4 . . . . .Not installed
6157 Tape Drive supported . . . . .Yes
LAN Lines supported
Line 9. . . . .IBM Token-Ring
Line 10. . . . .IBM Token-Ring

Option: _
Note 1: 4 2K segments of main storage are not available.
```

EXAMPLE

Message Line

Do you see a message line (for Note 1) displayed on display 35?



If your computer has the Autocall feature, it will appear on display 35 as shown in the example.

```
35          SYSTEM/36 CONFIGURE-CUSTOMIZE PROGRAM
          Configuration Verification Features Installed

Is the following configuration list correct (1 = Yes, 2 = No)?
```

```
Main storage size (total) . . . . 1024K bytes
Maximum Work stations supported . . 28
Communications type . . . . . MLCA
Line 1 . . . . . EIA/CCITT with Autocall
Line 2 . . . . . DDSA
Line 3 . . . . . EIA/CCITT
Line 4 . . . . . Not installed
6157 Tape Drive supported . . . . . Yes
LAN Lines supported
Line 9. . . . . IBM Token-Ring
Line 10. . . . . IBM Token-Ring
```

```
Option: _
```

EXAMPLE

Select option 1 from display 35 and press the Enter key.  
Display 03 appears.

8.41

Do you have a main storage, work station expansion, communications, or 6157 Tape Drive feature to install? (See Form C4.)

YES

NO

8.45

8.42

03

SYSTEM/36 CONFIGURE-CUSTOMIZE PROGRAM  
Feature Installation

Select one of the following options and press the Enter key.

1. No feature will be installed
2. No more features will be installed
3. More features will be installed
4. Return to Configuration List display

Option: \_

EXAMPLE

Select option 3 on display 03, and press the Enter key. Display 04 appears. Go to 8.43 .

You might have one or more than one feature to install. Form C4 tells you what features to install, if any.

**C4** Configuration List Customer Name \_\_\_\_\_  
Customer Number \_\_\_\_\_

Workbook 3

Documentation Group \_\_\_\_\_ (EX segments)  
Main storage size (128-2048) \_\_\_\_\_

Work stations supported  1 6  1 28

Communications Type  SLCA<sup>1</sup>  MLCA<sup>2</sup>

Line 1 \_\_\_\_\_ Cable Part Number \_\_\_\_\_  
Line 2 \_\_\_\_\_  
Line 3 \_\_\_\_\_  
Line 4 \_\_\_\_\_  
Line 5 \_\_\_\_\_  
Line 10 \_\_\_\_\_

Internal disk storage size (30-120) \_\_\_\_\_  
External disk storage size (0-400) \_\_\_\_\_

Keyboard character set \_\_\_\_\_  
Multilingual character set  Yes  No

Country location of the computer \_\_\_\_\_  
RPG to be installed  Yes  No  
Expanded report table  Yes  No

**Features**

The feature cards to be installed are checked (✓):

<input type="checkbox"/> Main storage	<input type="checkbox"/> SLCA	Communications Type	Cable Part Number	Autocall Ordered For	Cable Part Number
<input type="checkbox"/> Work station expansion	<input type="checkbox"/> MLCA	EIA/CCITT	2453129	Line A <input type="checkbox"/> Yes <input type="checkbox"/> No	2453129
<input type="checkbox"/> 6157 Tape Drive	<input type="checkbox"/> EIA/CCITT	DDSA	2453145	Line B <input type="checkbox"/> Yes <input type="checkbox"/> No	2453129
	<input type="checkbox"/> DDSA	X 21	2453142		
	<input type="checkbox"/> X 21	X 25 with EIA	2453129		
	<input type="checkbox"/> V 35	X 25 with X 21	2453142		
	<input type="checkbox"/> Autocall	X 25	2453129		
		Autocall	2453129		
		LAN	4174651		

<sup>1</sup>SLCA means single line communications adapter/attach. <sup>2</sup>MLCA means multiple communications adapter/attach.

RX480004-10

Features

The feature cards to be installed are checked (✓):

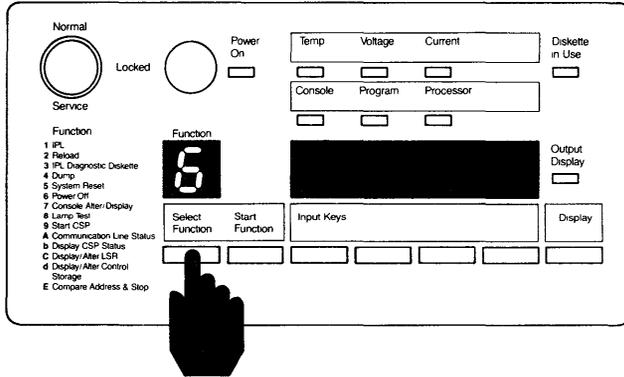
<input type="checkbox"/> Main storage	<input type="checkbox"/> SLCA
<input type="checkbox"/> Work station expansion	<input type="checkbox"/> MLCA
<input type="checkbox"/> 6157 Tape Drive	<input type="checkbox"/> EIA/CCITT
	<input type="checkbox"/> DDSA
	<input type="checkbox"/> X.21
	<input type="checkbox"/> V.35
	<input type="checkbox"/> Autocall

EXAMPLE

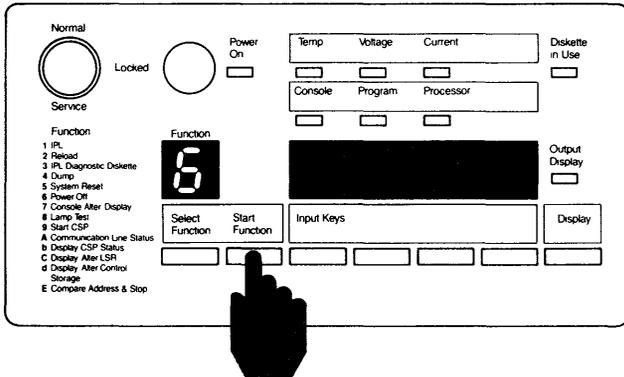
8.43

Turn off the computer using the following steps.

- a. Press the Selection Function key until **6** appears.



- b. Press the Start Function key.



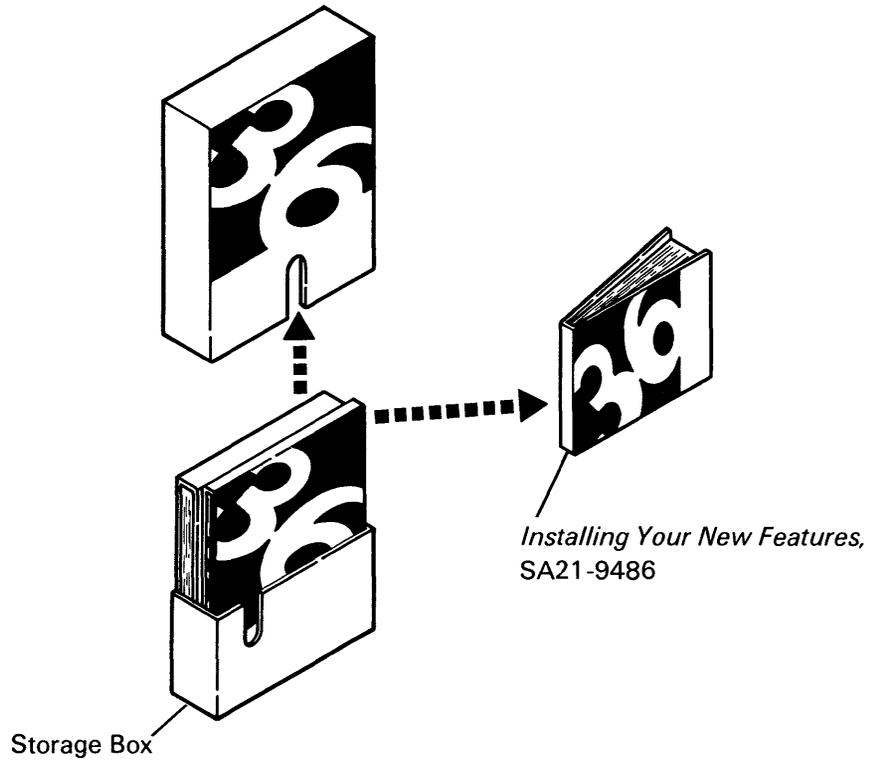
Go to **8.44**.

Leave the system console turned on.

The **6** will flash to indicate that the computer is turning off.

8.44

Go to the manual *Installing Your New Features*. Do not go to 8.45 .



Use the manual *Installing Your New Features* to install the feature(s). The manual will send you back to this manual after you have completed feature installation.

8.45

Do you have a 9332 Disk Unit(s) to install? (See Form C4.)

YES

NO

Go to **7.1** in  
*Section 7:  
Attaching and  
Removing the  
9332 Disk Unit* in  
this manual.

8.46

03

SYSTEM/36 CONFIGURE-CUSTOMIZE PROGRAM

Feature Installation

Select one of the following options and press the Enter key.

1. No feature will be installed
2. No more features will be installed
3. More features will be installed
4. Return to Configuration List display

Option: \_

EXAMPLE

Select option 1 on display 03 and press the Enter key. Display 16 appears.

```

16          SYSTEM/36 CONFIGURE-CUSTOMIZE PROGRAM
          Diskette 2

Do the following.

  Insert diskette 2.
  Press the Enter key.
    
```

EXAMPLE

Remove diskette 1 and insert diskette 2. Go to the system console and press the Enter key. Display 20 appears.

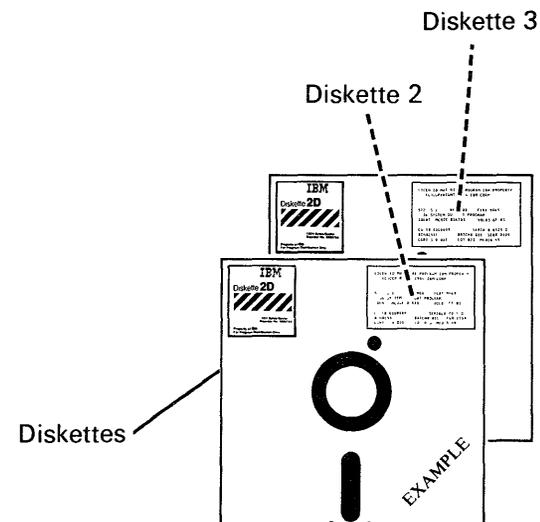
```

20          SYSTEM/36 CONFIGURE-CUSTOMIZE PROGRAM
          Program in Process

The program is processing.
    
```

EXAMPLE

When the information loaded from diskette 2 is processed, display 17 appears.



Because of the way the computer processes the information, you will be removing and inserting diskettes 2 and 3 twice.

```
17          SYSTEM/36 CONFIGURE-CUSTOMIZE PROGRAM
          Diskette 3

Do the following.
  Insert diskette 3.
  Press the Enter key.
```

EXAMPLE

Insert diskette 3 and press the Enter key. Display 20 appears.

```
20          SYSTEM/36 CONFIGURE-CUSTOMIZE PROGRAM
          Program in Process

The program is processing.
```

EXAMPLE

When the information loaded from diskette 3 is processed, display 16 appears.

16

SYSTEM/36 CONFIGURE-CUSTOMIZE PROGRAM

Diskette 2

Do the following.

Insert diskette 2.  
Press the Enter key.

EXAMPLE

Insert diskette 2 and press the Enter key. Display 20 appears.

20

SYSTEM/36 CONFIGURE-CUSTOMIZE PROGRAM

Program in Process

The program is processing.

EXAMPLE

When the information loaded from diskette 2 is processed, display 17 appears.

17

SYSTEM/36 CONFIGURE-CUSTOMIZE PROGRAM

Diskette 3

Do the following.

Insert diskette 3.  
Press the Enter key.

EXAMPLE

Insert diskette 3 and press the Enter key. Display 20 appears.

20

SYSTEM/36 CONFIGURE-CUSTOMIZE PROGRAM

Program in Process

The program is processing.

EXAMPLE

When the information loaded from diskette 3 is processed, display 18 appears.

18

SYSTEM/36 CONFIGURE-CUSTOMIZE PROGRAM

Configure-Customize Completion

You have completed Configure-Customize.

Note: Any patches or MPTF's that were applied to the disk  
have been destroyed. MPTF's must be reapplied.

Insert diskette 1

Press the Enter key to  
start the CHECKOUT program.

EXAMPLE

**Insert diskette 1 and press the Enter key. Display 51 appears.**

51

SYSTEM/36 CHECKOUT PROGRAM  
Device Checkout Selection Menu

Select one of the following options and press the Enter key:

1. Work station
2. Communications
3. 6157 Tape Drive
4. End checkout

Option: \_

EXAMPLE

If you installed a work station, communications or a 6157 Tape Drive, go to **9.1** in Section 9: *Checking Out Your System* in this manual.

If you installed a 9332 Disk Unit(s) go to **9.46** in Section 9: *Checking Out Your System* in this manual.

Display 51 on the system console displays the options you select to run the checkout program. Only those options you have on your computer are displayed. You might see two or three options displayed such as:

1. Work station
2. Communications
3. End checkout

## DISPLAY 02 DOES NOT MATCH FORM C4

8.53

02 SYSTEM/36 CONFIGURE-CUSTOMIZE PROGRAM

Configuration Verification

Is the following configuration list correct ? (1 = Yes, 2 = No)  
See Note 1

Documentation group . . . . . United States  
Keyboard Character Set . . . . . United States  
Multinational Character Set . . . . . No  
Computer Location . . . . . Other (See Note 2)  
RPQ to be installed . . . . . No  
Extended input fields . . . . . No  
Internal Disk storage size . . . . . 60M bytes  
External Disk storage size . . . . . 200M

Option: \_

Note 1: Features installed will appear when option 1 is chosen.  
Note 2: Country other than Canada, Japan, or United States.

EXAMPLE

Select option 2 on display 02 and press the Enter key. Display 19 appears.

```

19          SYSTEM/36 CONFIGURE-CUSTOMIZE PROGRAM
          Incorrect Configuration
Select an item to be corrected.

1. Documentation group . . . . . United States
2. Keyboard Character Set . . . . . United States
3. Multinational Character Set . . . . . No
4. Computer Location . . . . . Other (See Note 2)
5. RPQ to be installed . . . . . No
6. Extended input fields . . . . . No
7. Internal disk storage size. . . . . 60M bytes
8. External disk storage size. . . . . 200M bytes

```

Option: \_

Note 2: Country other than Canada, Japan, or United States.

EXAMPLE

1. **Select the option indicating a mistake on display 19 and press the Enter key.**
2. Go to the appropriate step in this section by using the following chart.

<u>Configuration Item</u>	<u>Step</u>
Documentation Group	<b>8.55</b>
Keyboard Character Set	<b>8.56</b>
Multinational Character Set	<b>8.57</b>
Computer Location	<b>8.58</b>
Extended Input Fields	<b>8.59</b>
Internal Disk storage size	<b>8.60</b>
External Disk storage size	<b>8.61</b>

If you come here again after attempting to correct the option, call your hardware service representative.

8.55

**01** SYSTEM/36 CONFIGURE-CUSTOMIZE PROGRAM  
DOCUMENTATION GROUP SELECTION MENU

SELECT ONE OF THE FOLLOWING OPTIONS AND PRESS THE ENTER KEY.

- |                           |                    |
|---------------------------|--------------------|
| 1. \STERREICH/DEUTSCHLAND | 10. pt (pt )       |
| 2. BELGIE (VLAAMS)        | 11. NEDERLAND      |
| 3. BELGIQUE (FRANCAIS)    | 12. NORGE          |
| 4. CANADA (FRANCAIS)      | 13. PORTUGAL       |
| 5. DANMARK                | 14. ESPAÑA         |
| 6. SUOMI                  | 15. HABLA ESOA#OLA |
| 7. FRANCE                 | 16. SVERIGE        |
| 8. ITALIA                 | 17. UNITED KINGDOM |
| 9. JAPAN (ENGLISH)        | 18. UNITED STATES  |

OPTION: \_

EXAMPLE

Select the correct option on display 01 and press the Enter key.  
Display 02 appears. Go to **8.62** .

8.56

**08** SYSTEM/36 CONFIGURE-CUSTOMIZE PROGRAM  
Keyboard Character Set Selection

Select one of the following options and press the Enter key.

- |                          |                                 |
|--------------------------|---------------------------------|
| 1. Austria/Germany       | 14. Japanese (Katakana)         |
| 2. Belgium               | (with Enhanced Keyboard)        |
| 3. Canadian French       | 15. Norway                      |
| 4. Denmark               | 16. Portugal                    |
| 5. Finland               | 17. Spain                       |
| 6. France (AZERTY)       | 18. Spanish Speaking            |
| 7. France (QWERTY)       | 19. Sweden                      |
| 8. International         | 20. Swiss (French)              |
| 9. Italy                 | 21. Swiss (German)              |
| 10. Japan (English)      | 22. United Kingdom              |
| 11. Japanese Kanji       | 23. United States               |
| 12. Japanese Kanji       | 24. Sear DECS                   |
| (with Enhanced Keyboard) | 25. Netherlands                 |
| 13. Japanese (Katakana)  | 26. Special Character Set (RPQ) |

Option: \_

EXAMPLE

Select the correct option on display 08 and press the Enter key.  
Display 02 appears. Go to **8.62** .

8.57

The computer automatically updated display 02 when you press the Enter key in **8.54** . Go to **8.62** .

8.58

```
10          SYSTEM/36 CONFIGURE-CUSTOMIZE PROGRAM
          Computer Location

Select one of the following options and press the Enter key.

1. Canada
2. Japan
3. United States
4. Any other country

Option: _
```

EXAMPLE

Select the correct option on display 10 and press the Enter key. Display 02 appears. Go to **8.62** .

8.59

The computer automatically updated display 02 when you pressed the Enter key in **8.54** . Go to **8.62** .

**Note:** If extended input fields are to be used, the number of work stations that your system supports decreases. If you do not have the Work Station Expansion feature (check Form C4), it will decrease from 6 to 3. If the expansion feature is installed, it will decrease from 28 to 18.

**8.60**

Display 07 will appear. Call your hardware service representative to report the problem.

**8.61**

Display 07 will appear. Ask the person who planned the external disk setup. If the external disk storage size indicates a mistake, go to **12.1** .

```

02          SYSTEM/36 CONFIGURE-CUSTOMIZE PROGRAM
          Configuration Verification
Is the following configuration list correct ? (1 = Yes, 2 = No)
          See Note 1

Documentation group . . . . . United States
Keyboard Character Set . . . . . United States
Multinational Character Set . . . . . No
Computer Location . . . . . Other (See Note 2)
RPQ to be installed . . . . . No
Extended input fields . . . . . No
Internal Disk storage size . . . . . 60M bytes
External Disk storage size . . . . . 200M

Option: _

Note 1: Features installed will appear when option 1 is chosen.
Note 2: Country other than Canada, Japan, or United States.

```

EXAMPLE

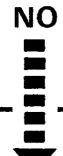
Compare the corrected item on display 02 to Form C4.

Does the corrected item on display 02 now match that item recorded on Form C4?



8.53

Do you have additional items on display 02 to be corrected?



8.53

8.38

If you cannot correctly update an item on display 02, call your service representative.



# Section 9. Checking Out Your System

9.1

Before you begin this procedure, make sure you have a copy of Form F. You will use the form later in the procedure.

This section leads you through a series of steps that tell you if each part of the system was set up correctly and is operating as it should.

9.2

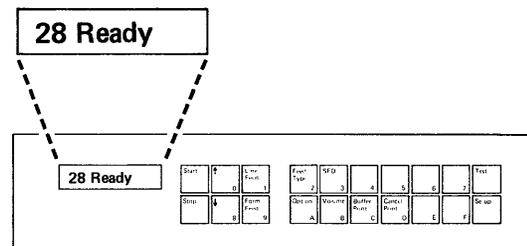
The following devices must be prepared for system checkout:

- If you have an IBM 3812, 4214 Model 2, 4234 Model 2, 4224, 5219, 5224, 5225, 5256, or 5262 Printer Model 1, go to **12.G** for instructions on how to prepare the printer(s) for system checkout.
- If you have an IBM Personal Computer, make sure:
  - The Display Station Emulation Adapter or Enhanced Display Station Emulation Adapter is installed.
  - The 5250 Emulation Program or Enhanced 5250 Emulation Program is loaded and online.

For instructions, see Section 6.

The 5553 Printer should be turned on and made ready by following the instructions that came with the printer. Also, the 5551 System Unit must be turned on to operate both the 5555 Display and 5553 Printer.

The 4214 Printer Model 2 is ready for checkout when the following printer display appears on the printer operator's panel; this should be displayed now.



The 4245 Printer should be turned on and made ready by following the instructions that came with the printer.

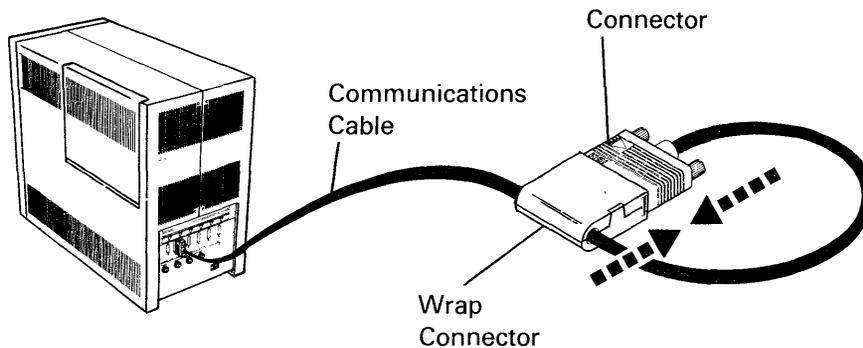
**9.3****Make sure of the following:**

- All Power switches on all display stations and printers in your system are set to the I (On) position.
- The printers are in Ready mode.
- The Unit Emergency switch on your computer is set to the Power Enable position.
- Diskette 1 is in the computer.
- The security key on your computer is in the Service position.
- The security key on each display station is turned to the On position (see the setup manual for that device).

Depending on what you ordered from IBM, your display stations might not have the Keylock feature.

**9.4**

If you have communications cables, look at the opposite end of each cable. If you see a wrap connector at the end of the cable, plug the connector into the wrap connector.



A wrap connector is used to test the communications circuits in the computer.

The communications cable, connector, and wrap connector shown in **9.4** might look different from the one on your computer. Also, some communications cables do not have wrap connectors. If your communications cable does not have a wrap connector, skip **9.4**.

9.5

```
51          SYSTEM/36 CHECKOUT PROGRAM
          Device Checkout Selection Menu

Select one of the following options and press the Enter key:

1. Work station
2. Communications
3. 6157 Tape Drive
4. End checkout

Option: _
```

EXAMPLE

Is display 51 displayed on the system console?

YES



9.17

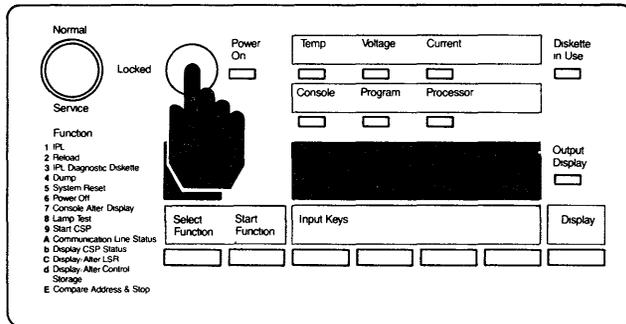
NO



9.6

9.6

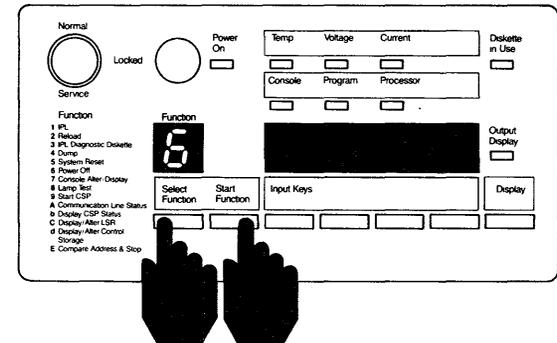
Press the Power key to turn on the computer.



The Power light should come on when you press the Power key. If it does not, go to **12.A**.

**Note:** If at some point within this procedure you think you made a mistake, or if you become unsure about what to do next, do the following.

1. Turn off the computer.



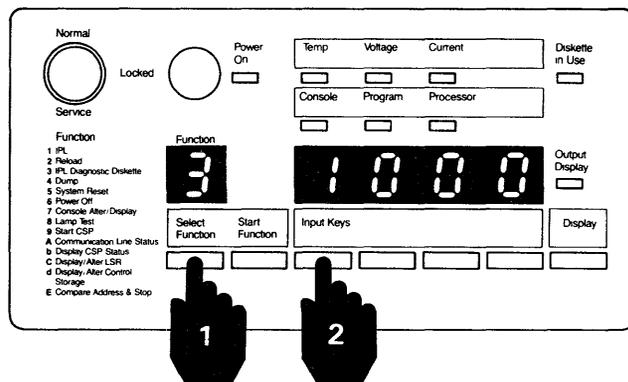
2. Return to **9.6** and start again.

A **!** should be displayed in the Function display when you turn on the computer.

9.7

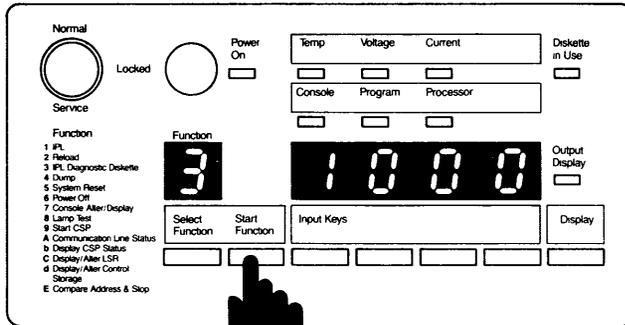
Press the Select Function key (1) until **3** appears in the Select Function display.

Enter 1000 in the Output display (2) by pressing the correct input keys.



9.8

Press the Start Function key.



When you press the Start Function key, the computer takes 10 to 20 minutes to check itself to make sure it is ready to operate.

During system checkout, a number will continue to appear, then disappear on your system console in 30-second to 3-minute intervals until system checkout is complete.

Select the step that matches the display on the system console.

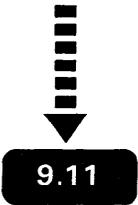
**02** SYSTEM/36 CONFIGURE-CUSTOMIZE PROGRAM  
 Configuration Verification  
 Is the following configuration list correct? (1 = Yes, 2 = No)  
 See Note 1

Documentation group . . . . .	United States
Keyboard Character Set . . . . .	United States
Multinational Character Set . . . . .	No
Computer Location . . . . .	Other (See Note 2)
RFQ to be installed . . . . .	No
Extended input fields . . . . .	No
Internal Disk storage size . . . . .	60M bytes
External Disk storage size . . . . .	200M

Option: \_

Note 1: Features installed will appear when option 1 is chosen.  
 Note 2: Country other than Canada, Japan, or United States.

EXAMPLE



9.11

**31** SYSTEM/36 CONFIGURE-CUSTOMIZE PROGRAM  
 Microcode Level Mismatch

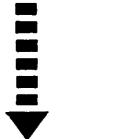
The operating system microcode is currently at release level x  
 The diskette is at release level y.

Select one of the following options and press the Enter key.

- 1 Do not change the microcode release level.
- 2 Change the operating system microcode from release level x to release level y.

Option: \_

EXAMPLE



Go to the manual  
*Installing Your  
 New Features-*  
 5362 Appendix B.

**41** SYSTEM/36 CONFIGURE-CUSTOMIZE PROGRAM  
 External Disk Configuration Verification

Following is what is currently configured and what has been detected. Newly detected disk drives must be added before they are available for system use.

Drive #	S/N	Current	Detected
0	87654321	200MB	200MB
1	00000000	200MB	200MB

Note: Serial numbers will appear only for the devices that have been previously configured/customized.

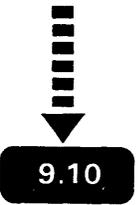
Select one of the following options and press the Enter key.

1. The current configuration is correct.
2. ADD an external disk to what is currently configured.
3. DELETE an external disk from what is currently configured.

Option: \_

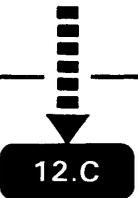
Disk drives must be detected before they can be configured.

EXAMPLE



9.10

Blank display and  
 5362 as system  
 reference code  
 (SRC) on the  
 operator panel of  
 the system unit.



12.C

Blank display and  
 a system  
 reference code  
 (SRC) other than  
 5362 on the  
 operator panel of  
 the system unit.



12.B

41

SYSTEM/36 CONFIGURE-CUSTOMIZE PROGRAM  
External Disk Configuration Verification

Following is what is currently configured and what has been detected. Newly detected disk drives must be added before they are available for system use.

Drive #	S/N	Current	Detected
0	87654321	200MB	200MB
1	12345678	200MB	200MB

Note: Serial numbers will appear only for the devices that have been previously configured/customized.

Select one of the following options and press the Enter key.

1. The current configuration is correct.
2. ADD an external disk to what is currently configured.
3. DELETE an external disk from what is currently configured.

Option:  
Disk drives must be detected before they can be configured.

EXAMPLE

Select option 1 on display 41 and press the Enter key. Display 02 appears.

02

SYSTEM/36 CONFIGURE-CUSTOMIZE PROGRAM

Configuration Verification

Is the following configuration list correct ? (1 = Yes, 2 = No)  
See Note 1

Documentation group . . . . . United States  
Keyboard Character Set . . . . . United States  
Multinational Character Set . . . . . No  
Computer Location . . . . . Other (See Note 2)  
RPQ to be installed . . . . . No  
Extended input fields . . . . . No  
Internal Disk storage size . . . . . 60M bytes  
External Disk storage size . . . . . 200M

Option: \_

Note 1: Features installed will appear when option 1 is chosen.  
Note 2: Country other than Canada, Japan, or United States.

EXAMPLE

Select option 1 on display 02 and press the Enter key. Display 35 appears.

35

SYSTEM/36 CONFIGURE-CUSTOMIZE PROGRAM

Configuration Verification Features Installed

Is the following configuration list correct (1 = Yes, 2 = No)?

Main storage size (total) . . . . . 1024K bytes  
Maximum Work stations supported . . . . . 28  
Communications type . . . . . MLCA  
Line 1 . . . . . EIA/CCITT with Autocall  
Line 2 . . . . . DDSA  
Line 3 . . . . . EIA/CCITT  
Line 4 . . . . . Not installed  
6157 Tape Drive supported . . . . . Yes  
LAN Lines supported  
Line 9 . . . . . IBM Token-Ring  
Line 10 . . . . . IBM Token-Ring

Option: \_

EXAMPLE

Select option 1 on display 35 and press the Enter key. Display 03 appears.

**Note:** Configuration item "External disk storage size" will only appear if the 9332 Disk Unit support is installed in your system.

03

SYSTEM/36 CONFIGURE-CUSTOMIZE PROGRAM

Feature Installation

Select one of the following options and press the Enter key.

1. No feature will be installed
2. No more features will be installed
3. More features will be installed
4. Return to Configuration List display

Option: \_

EXAMPLE

Select option 2 on display 03 and press the Enter key. Display 16 appears.

16

SYSTEM/36 CONFIGURE-CUSTOMIZE PROGRAM

Diskette 2

Do the following.

Insert diskette 2.  
Press the Enter key.

EXAMPLE

**Insert diskette 2 and press the Enter key. Display 20 appears.**

20

SYSTEM/36 CONFIGURE-CUSTOMIZE PROGRAM

Program in Process

The program is processing.

EXAMPLE

**When the information loaded from diskette 2 has been processed, display 17 appears.**



```
16          SYSTEM/36 CONFIGURE-CUSTOMIZE PROGRAM
          Diskette 2

Do the following.
  Insert diskette 2.
  Press the Enter key.
```

EXAMPLE

**Insert diskette 2 and press the Enter key. Display 20 appears.**

```
20          SYSTEM/36 CONFIGURE-CUSTOMIZE PROGRAM
          Program in Process

The program is processing.
```

EXAMPLE

**When the information loaded from diskette 2 has been processed, display 17 appears.**

```
17      SYSTEM/36 CONFIGURE-CUSTOMIZE PROGRAM
      Diskette 3

Do the following.
  Insert diskette 3.
  Press the Enter key.
```

EXAMPLE

**Insert diskette 3 and press the Enter key. Display 20 appears.**

```
20      SYSTEM/36 CONFIGURE-CUSTOMIZE PROGRAM
      Program in Process

The program is processing.
```

EXAMPLE

**When the information loaded from diskette 3 has been processed, display 18 appears.**

```
18      SYSTEM/36 CONFIGURE-CUSTOMIZE PROGRAM
      Configure-Customize Completion

You have completed Configure-Customize.
Note: Any patches or MPTP's that were applied to the disk
      have been destroyed. MPTP's must be reapplied.
Insert diskette 1
Press the Enter key to
start the CHECKOUT program.
```

EXAMPLE

**Insert diskette 1 and press the Enter key. Display 51 appears.**

9.17

```

51          SYSTEM/36 CHECKOUT PROGRAM
          Device Checkout Selection Menu

Select one of the following options and press the Enter key:
1. Work station
2. Communications
3. 6157 Tape Drive
4. End checkout

Option: _
  
```

EXAMPLE

Select option 1 on display 51 and press the Enter key. Display 61 appears.

Display 51 on the system console displays the options you select to run the checkout program. Only those options you have on your computer are displayed. You might see two or three options displayed such as:

1. Work station
2. Communications
3. End checkout

9.18

```

61          SYSTEM/36 CHECKOUT PROGRAM
          Work Station

Compare the following with your local work station diagram.

  Address
  0 1 2 3 4 5 6 Port
  D . . . . . | 0
  D . D . D . . . . . | 1
  D . . P . . . . . | 2
  D . . . . . | 3

D = Display station
P = Work station printer

This shows all correctly installed work stations at this time.
Press the Enter key to continue/update.
Press the Attn key to return to selection menu.
  
```

EXAMPLE

9.19

**9.19**

**Compare display 61 to Form F.**

**61** SYSTEM/36 CHECKOUT PROGRAM  
Work Station

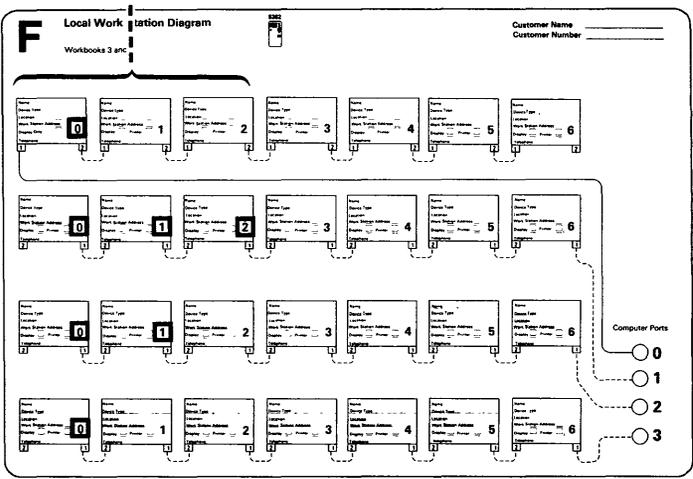
Compare the following with your local work station diagram.

Address							Port
0	1	2	3	4	5	6	
D	.	.	.	.	.	.	0
D	.	D	.	.	.	.	1
D	.	P	.	.	.	.	2
D	.	.	.	.	.	.	3

D = Display station  
P = Work station printer

This shows all correctly installed work stations at this time.  
Press the Enter key to continue/update.  
Press the Attn key to return to selection menu.

*EXAMPLE*



**Do the address and port numbers for each device match?**

**YES**  
↓  
**9.20**

**NO**  
↓  
**12.D**

The display on your system console should show which display station (D) and printer (P) are connected to the computer and turned on.

If you have a 5553 Printer connected to the 5551 System Unit, a P should appear on port 0 under address 1.

**61** SYSTEM/36 CHECKOUT PROGRAM  
Work Station

Compare the following with your local work station diagram.

Address							Port
0	1	2	3	4	5	6	
D	.	.	.	.	.	.	0
D	.	D	.	.	.	.	1
D	.	P	.	.	.	.	2
D	.	.	.	.	.	.	3

D = Display station  
P = Work station printer

This shows all correctly installed work stations at this time.  
Press the Enter key to continue/update.  
Press the Attn key to return to selection menu.

*EXAMPLE*

The address and port number for each device, shown on display 61, should match the devices recorded on Form F.

9.20

```

61          SYSTEM/36 CHECKOUT PROGRAM
          Work Station

Compare the following with your local work station diagram.

      Address
      0 1 2 3 4 5 6      Port
-----|-----|
D . . . . . | . . . . . | 0
D . . D . . | D . . . . . | 1
D . . P . . | . . . . . | 2
D . . . . . | . . . . . | 3

D = Display station
P = Work station printer

This shows all correctly installed work stations at this time.

Press the Enter key to continue/update.
Press the Attn key to return to selection menu.

```

EXAMPLE

Press the Enter key on the system console. Display 65 or 62 appears on the system console and display 63 on each display station.

Go to the appropriate step.

```

65          SYSTEM/36 CHECKOUT PROGRAM
          Work Station

All display stations (except the system console) should now display
their address. All work station printers should have printed
their address.

Make sure that the addresses are correct.

Press the Enter key to continue.

```

EXAMPLE

or

```

62          SYSTEM/36 CHECKOUT PROGRAM
          Work Station

An error has occurred while installing a work station.
(See the message below)

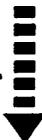
To bypass this work station error:
Turn off the work station causing the error and
press the Enter key on the system console.

To retry, correct the error and
press the Enter key on the system console.

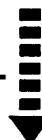
CSU-XXXX

```

EXAMPLE



9.21



12.F

Note: Do you have a CSU error message displayed in the lower left corner of display 62? (See the arrow on display 62.)

- Go to each display station and printer to see if the displayed or printed address is correct (use Form F).
- At each display station (except for the system console), type in some information (such as your name) and see it displayed.

**Note:** Typing in the information tells you if the display station is working properly. If you have trouble typing in information, go to **12.E**.

If it is inconvenient for you to check each display station and printer, call someone near that device. Ask that person to check the address and type in some information (if it is a display station).

## F Local Work Station

Workbooks 3 and 5

Name		
Device Type		
Location		
Work Station Address		
Display Only	<input type="checkbox"/>	0
Telephone		
1		2

Name		
Device Type		
Location		
Work Station Address		
Display	<input type="checkbox"/>	Printer <input type="checkbox"/>
Telephone		
2		1

63

SYSTEM/36 CHECKOUT PROGRAM

Work Station

This display station is **address '0'** on **port '1'**  
Enter characters from the keyboard and observe the display.

EXAMPLE

63

SYSTEM/36 CHECKOUT PROGRAM

Work Station

This display station is **address '1'** on **port '1'**  
Enter characters from the keyboard and observe the display.

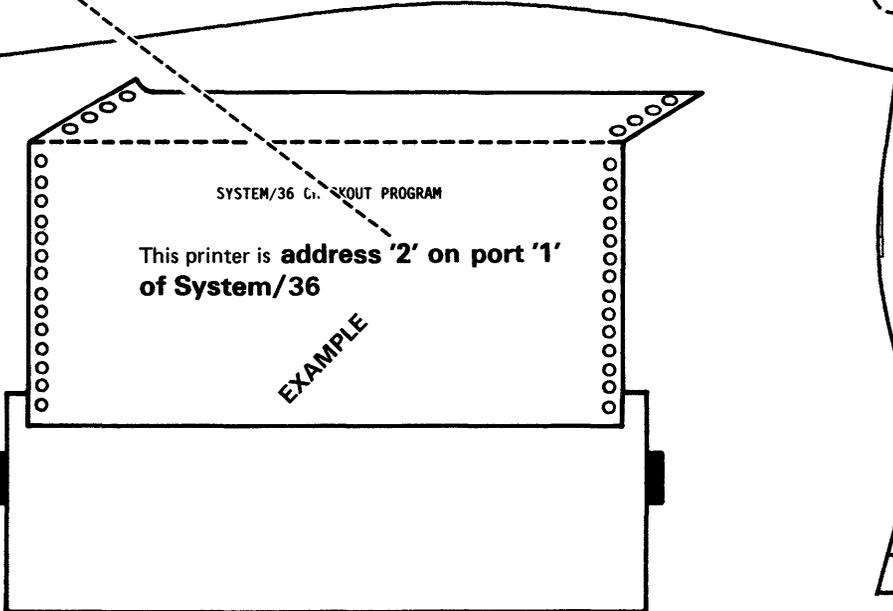
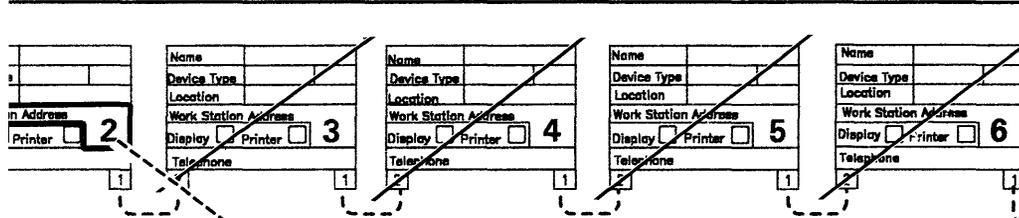
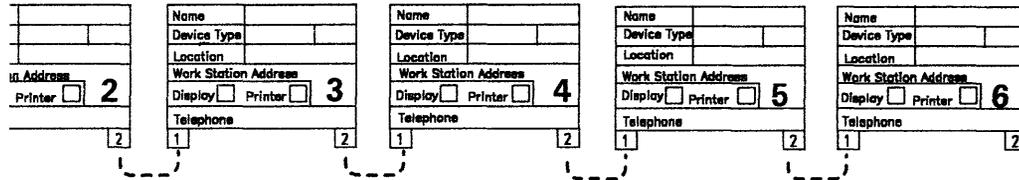
EXAMPLE

im

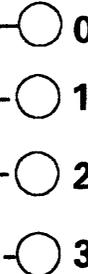
5362



Customer Name \_\_\_\_\_  
Customer Number \_\_\_\_\_



Computer Ports



9.22

Did you find the correct address and port number displayed at each display station or printed at each printer?

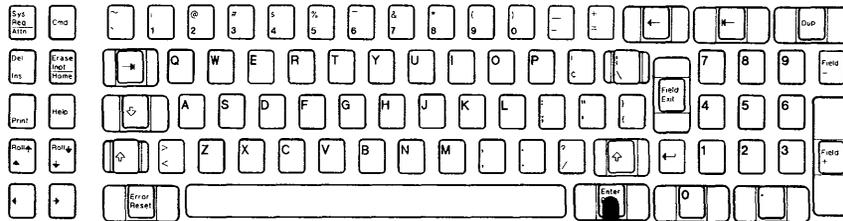
YES

NO

12.D

9.23

Press the Enter key on the system console. Display 66 or 61 appears on the system console.



9.24

Go to the appropriate step.

66

SYSTEM/36 CHECKOUT PROGRAM  
Work Station

End of work station checkout.

Press the Attn key to return to selection menu.

EXAMPLE

61

SYSTEM/36 CHECKOUT PROGRAM  
Work Station

Compare the following with your local work station diagram.

	0	1	2	3	4	5	6	Port
D	.	.	.	.	.	.	.	0
D	.	.	.	.	.	.	.	1
D	.	.	P	.	.	.	.	2
D	.	.	.	.	.	.	.	3

D = Display station  
P = Work station printer

This shows all correctly installed work stations at this time.

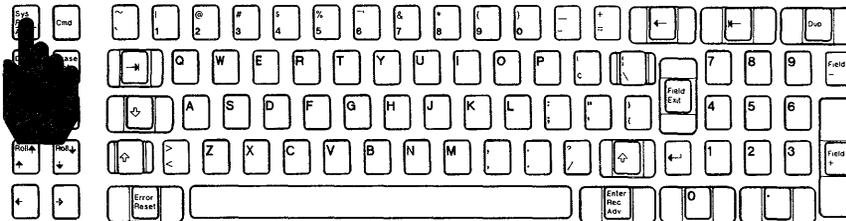
Press the Enter key to continue/update.  
Press the Attn key to return to selection menu.

EXAMPLE

9.19

9.25

Press the Attn key. Display 51 appears.



9.26

51

SYSTEM/36 CHECKOUT PROGRAM  
Device Checkout Selection Menu

Select one of the following options and press the Enter key:

- 1. Work station
- 2. Communications
- 3. 6157 Tape Drive
- 4. End checkout

Option: \_

EXAMPLE

Do you have the Communications option on display 51?

YES



9.27

NO



9.30

51

SYSTEM/36 CHECKOUT PROGRAM  
Device Checkout Selection Menu

Select one of the following options and press the Enter key:

1. Work station
2. Communications
3. 6157 Tape Drive
4. End checkout

Option: \_

EXAMPLE

Select the Communications option on display 51, and then press the Enter key. Display 71 appears.

```

71          SYSTEM/36 CHECKOUT PROGRAM
          Communications

Line 1 - No wrap connector is needed to test this line
Line 2 - You do not have communications on this line
Line 3 - Check that the cable is plugged into the wrap connector
Line 4 - No wrap connector is needed to test this line
Socket A - You do not have a cable connected to this socket
Socket B - Check that the cable is plugged into the wrap connector

Press the Enter key to continue.
Press the Attn key to return to selection menu.
    
```

EXAMPLE

Press the Enter key. Display 72 appears.

```

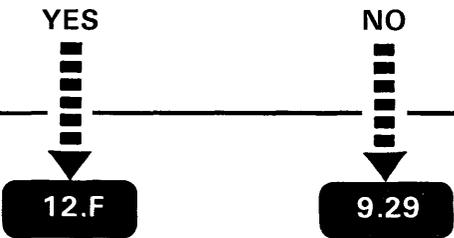
72          SYSTEM/36 CHECKOUT PROGRAM
          Communications

Test is running

5030
    
```

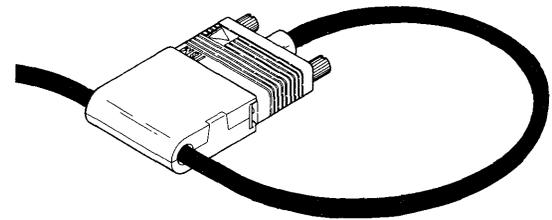
EXAMPLE

Does the system reference code 5030 appear at the bottom of display 72?



Display 71 is an example of what might be displayed. It shows only those options you have on your computer. You might see one, two, three, or four line options.

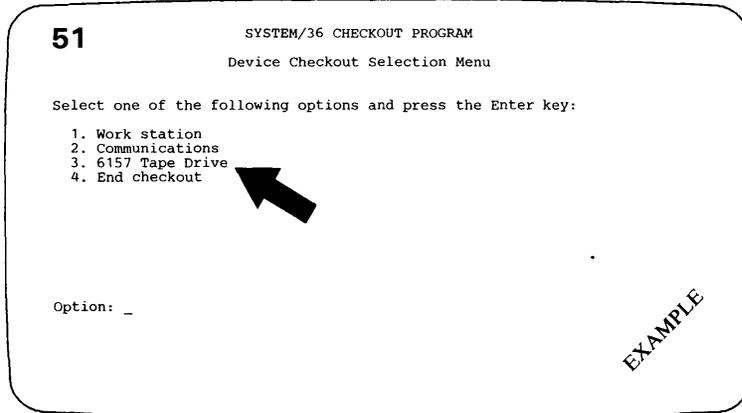
A wrap connector is a device used by the computer to test the communications hardware.



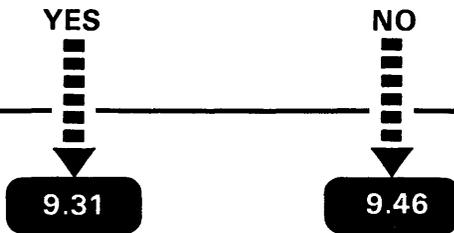
The bypass and retry options are also displayed with the 5030 system reference code.



9.30



Do you have the 6157 Tape Drive option on display 51?



During setup, if you are unsure of what to do, always follow the manual because of the additional information that is provided.

51

SYSTEM/36 CHECKOUT PROGRAM  
Device Checkout Selection Menu

Select one of the following options and press the Enter key:

1. Work station
2. Communications
3. 6157 Tape Drive
4. End checkout

Option: \_

EXAMPLE

Select the 6157 Tape Drive option on display 51, and then press the Enter key. Display 81 appears.

**9.32**

**DO NOT press the Enter key.**

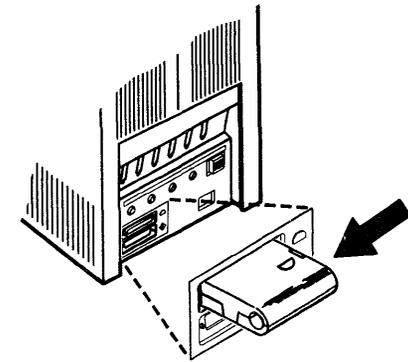
```
81          SYSTEM/36 CHECKOUT PROGRAM
           6157 Tape Drive

Check that the wrap connector is plugged into the computer.
```

EXAMPLE

**Check that the 6157 Tape Drive wrap connector is plugged into the computer.**

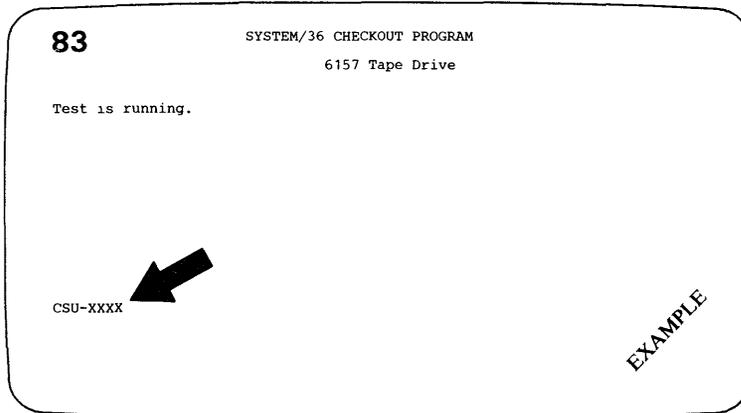
**Go to 9.33 .**



9.33

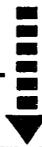
**NOTE:** Pressing the Enter key begins a test. This test takes approximately 2 seconds. If you do not watch the system console display you might miss seeing display 83.

Press the Enter key to continue.



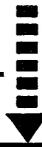
Do you have a CSU error message displayed in the lower-left corner of your display? (See the arrow on display 83.)

YES



12.F

NO



9.34

**Note:** You can return to the Device Checkout Selection menu at any time by pressing the Attn key.

9.34

**DO NOT press the Enter key.**

Complete steps **9.34** , **9.35** , **9.36** , and **9.37** .

**82**

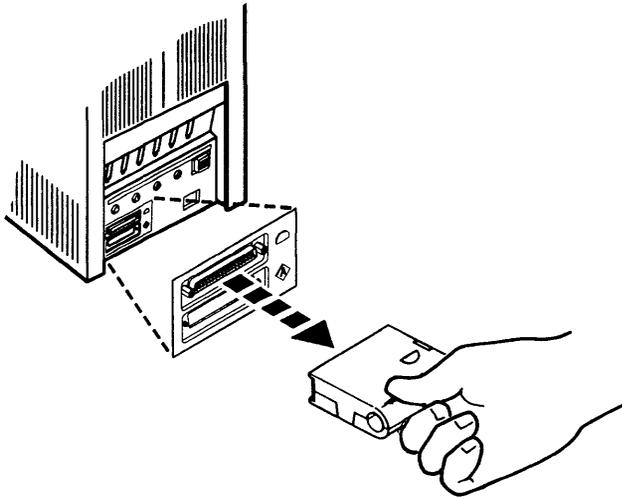
SYSTEM/36 CHECKOUT PROGRAM

6157 Tape Drive

- Unplug the wrap connector.
- Plug in the 6157 Tape Drive signal cable.
- Load the scratch cartridge.
- Power on the 6157 Tape Drive.

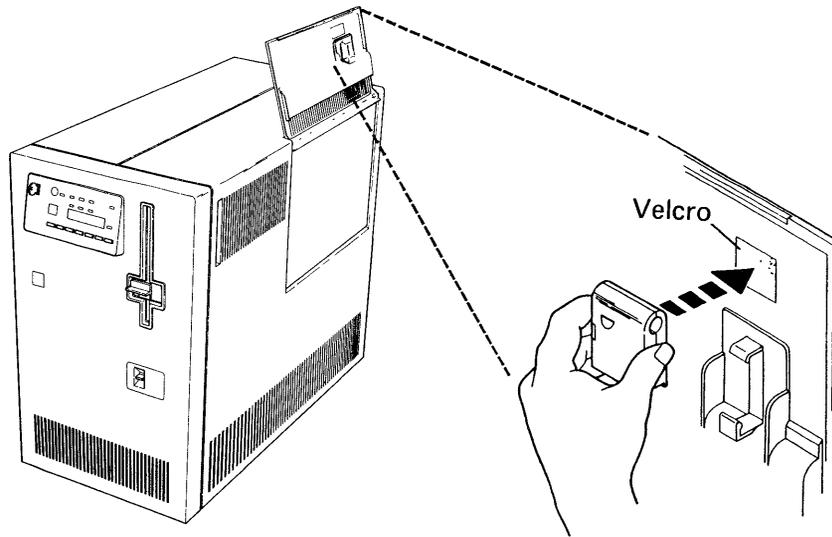
EXAMPLE

**Unplug the wrap connector from the computer.**



9.35

Lift the customer access cover and, using the Velcro<sup>1</sup> strip, secure the wrap connector to the Velcro strip attached to the inside of the customer access cover.

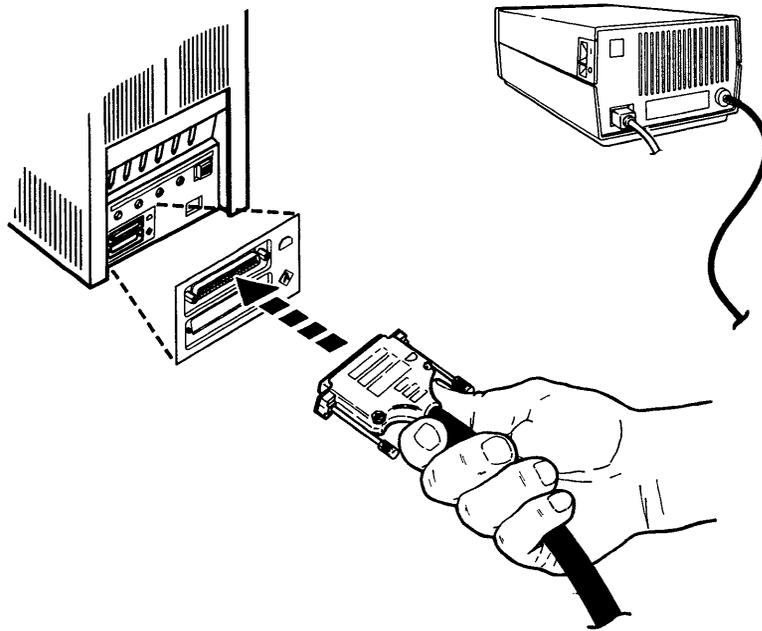


<sup>1</sup>Trademark of VELCRO USA Inc.

9.36

Plug the 6157 Tape Drive signal cable into the computer.

**NOTE:** Make sure that you tighten the two thumb screws after you have connected the 6157 Tape Drive signal cable to the computer.

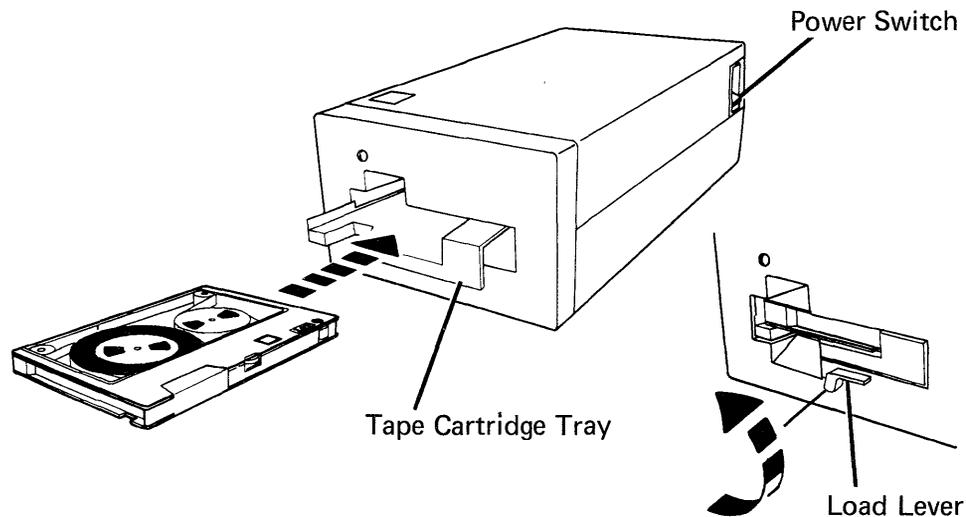


Do the following:

1. Make sure that the tape cartridge is **NOT** write-protected.

See the diagram in the additional information column to the right.

2. Pull the tape cartridge tray all the way out and insert the scratch tape cartridge into the 6157 Tape Drive.
3. Turn the load lever to the closed position.
4. Power on the 6157 Tape Drive



**Note:** You might need a coin or some object to turn the write-protect plug.

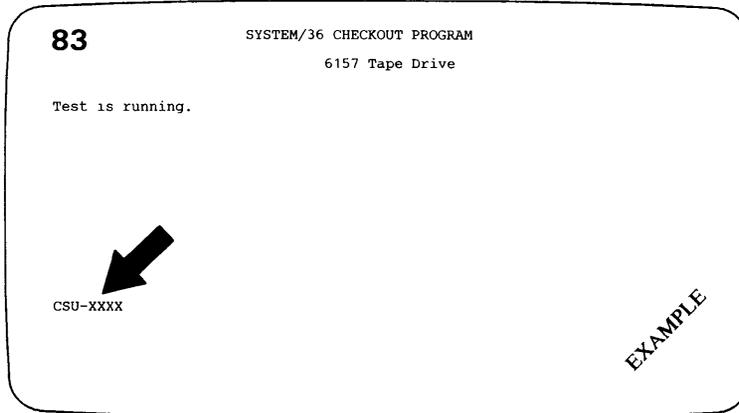


The notch on the write-protect plug should be turned away from the SAFE position.

9.38

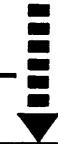
Press the Enter key and display 83 will appear.

**NOTE:** Pressing the Enter key begins a tape drive test. This test takes up to 7 minutes.



Do you have a CSU error message displayed in the lower-left corner of your display? (See the arrow on display 83.)

YES



12.F

NO



9.39

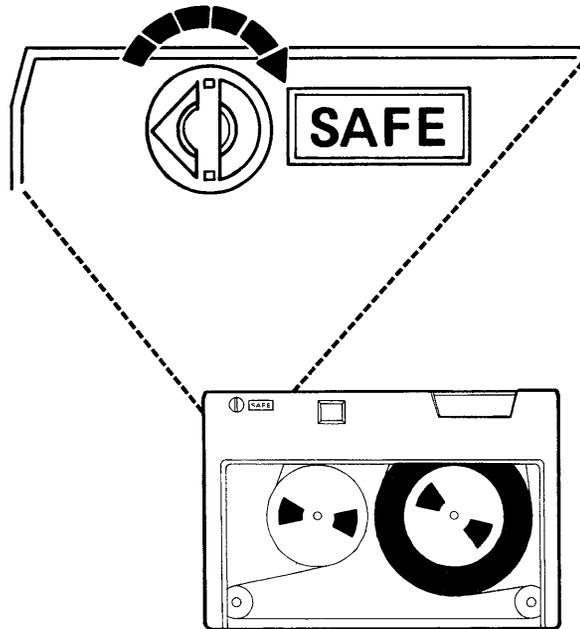
**Note:** You can return to the Device Checkout Selection menu at any time by pressing the Attn key.



9.41

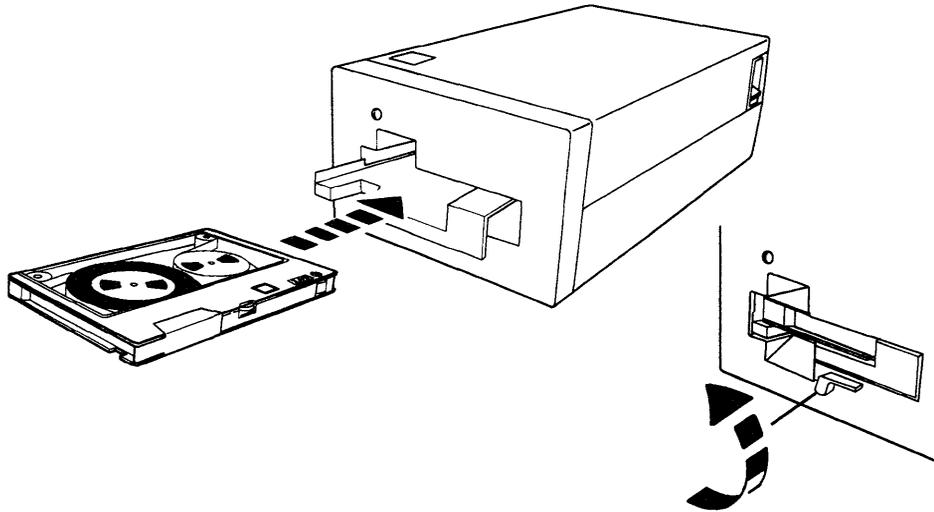
The tape cartridge must be write-protected. This is done by turning the write-protect plug clockwise to the **SAFE** position as shown below.

**NOTE:** You might need a coin or some object to turn the write-protect plug.



9.42

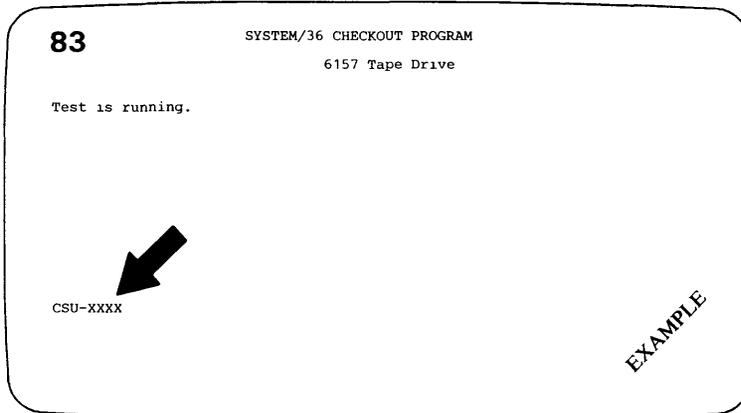
Insert the tape cartridge into the 6157 Tape Drive and turn the load lever to the closed position.



**9.43**

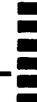
Press the Enter key and display 83 will appear.

**NOTE:** Pressing the Enter key begins a tape drive test. This test takes up to 7 minutes.



Do you have a CSU error message displayed in the lower-left corner of your display? (See the arrow on display 83.)

YES



12.F

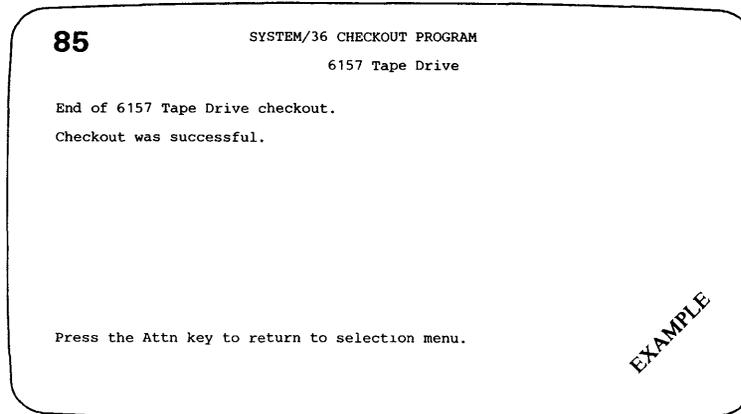
NO



9.44

**Note:** You can return to the Device Checkout Selection menu at any time by pressing the Attn key.

When the tape drive test is complete, display 85 appears.

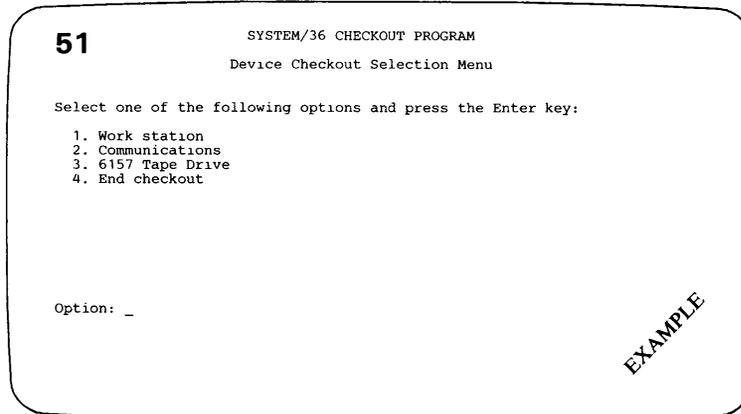


**Before you continue:**

1. Remove the scratch tape cartridge from the tape drive.
2. Turn the write-protect plug **away** from the SAFE position.
3. Store the tape in a safe place. It may be needed for other diagnostic tests.

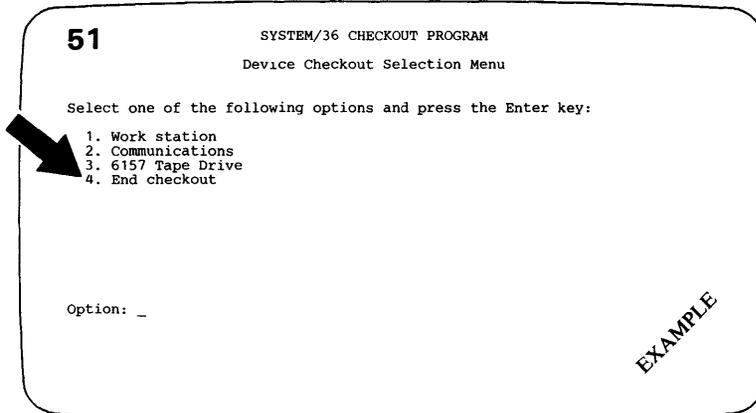
9.45

Press the Attn key. Display 51 appears.



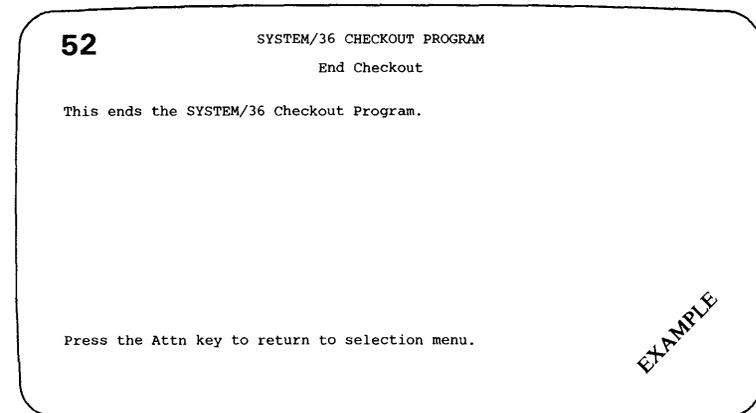
Go to **9.46** .

9.46



Select the End Checkout option on display 51; then press the Enter key. Display 52 appears.

9.47

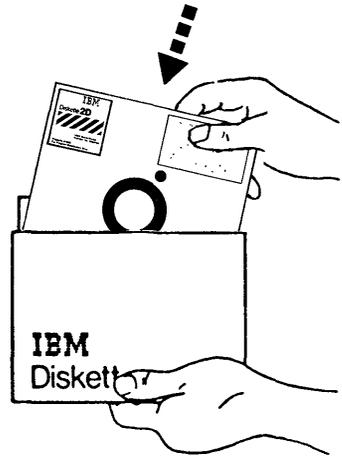


Do not press the Attn key.

Go to **9.48** .

9.48

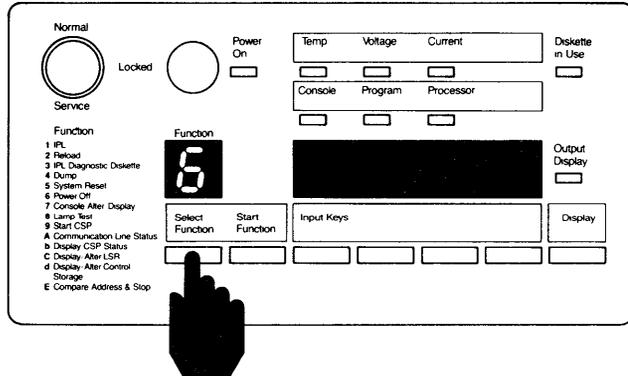
Remove diskette 1 and place it in its jacket.



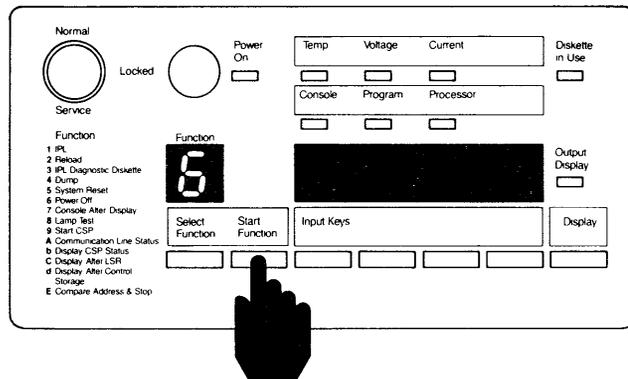
9.49

Turn off the computer using the following steps.

1. Press the Select Function key until **6** appears.



2. Press the Start Function key.



**Note:** The Select Function key automatically advances the numbers (1 through 9) and letters (A through E) until you release the key.

If you go beyond the number 6, just keep pressing the Select Function key until 6 shows up again.

The **6** will flash to indicate that the computer is turning off.

9.50

Did you install a communications feature?

YES

NO

9.52

9.51

You have completed setup. Do the following:

1. Put this manual and diskettes in the storage box, and keep it near the planning packet, *What To Do Before Your Computer Arrives*, SBOF-4778.
2. Be sure to fold and return Forms C4, D, and F to *Forms for Planning*, SA21-9480.
3. Read *Performing the First System Configuration for Your System*, SC21-9067. If you installed 9332 Disk Unit(s), you must add external disk support.
4. Initialize the new 9332 Disk Unit(s) you installed. Refer to the *System Reference* manual, SC21-9020, for more information.

You are now ready to load the System Support Program (SSP) into the computer.

Be sure that you use the documentation (manuals) that matches the release level of the diskettes that you are loading.

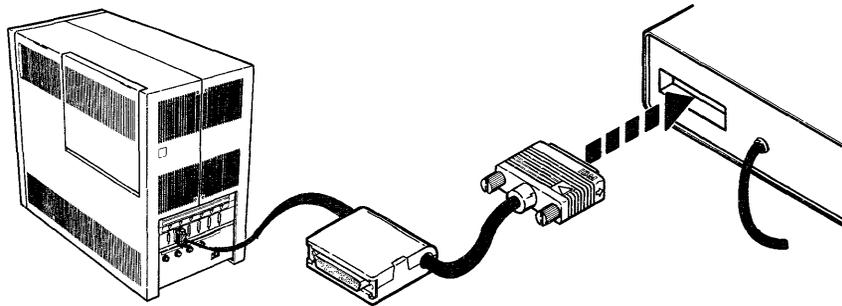
9.52

Go to *Section 10: Connecting the Communications Cable(s)*.

## Section 10. Connecting the Communications Cable(s)

### 10.1

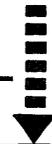
Connecting the communications cable(s) from the computer to a modem or channel service unit is your last step in the setup process.



If you are planning to do this now, your modem(s) or channel service unit(s) should have been set up and checked out before you came to this section. The instructions for setting up and checking out the communications equipment are packaged with each device.

Are you planning to connect the communications cable(s) **NOW** or **LATER**?

**NOW**



**10.2**

**LATER**

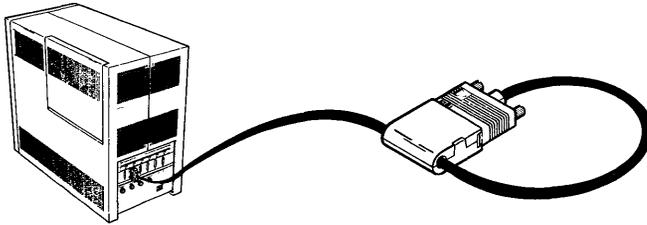


**10.23**

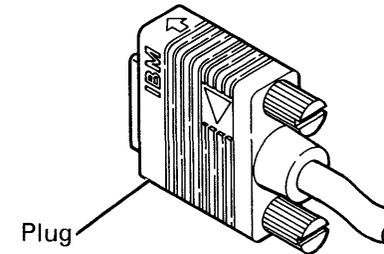
A modem or channel service unit is a device that changes the signal from the computer into a signal that can be transmitted on a telephone line to another computer or device at a different location.

## 10.2

Find the communications cable(s) that extends from the back of your computer.



You might have more than one communications cable. If you do, the communications cables should be connected in sequence beginning with the cable labeled **1**.



## 10.3

Determine the communications type for each cable by comparing the part number on the communications cable(s) to the part number in chart **10.5**.

Communications Type	From Your Computer	To Your Data Communications Equipment	Go to Step
EA AUTOCALL OR X-25		To Modem or Analog Line	<input type="checkbox"/>
DOSA		To Modem	<input type="checkbox"/>

**NOTE:** If you need help in determining which plug to use, see the system manual for communications.

**10.5**

Communications Type	From Your Computer	To Your Data Communications Equipment	Go to Step
V.35 WIDEBAND		To V.35 Modem	<input type="checkbox"/>
X.21 OR X.25		To X.21 OR X.25 Modem	<input type="checkbox"/>

**NOTE:** The X.25 communications cable uses either the EA cable part 2453129 or the X.25 cable part 2453142. The cables you have depend on the type of communications equipment you ordered.

**NOTE:** The X.21 communications cable uses the DOSA communications cable, but does not have a wrap connector.

**NOTE:** The X.25 communications cable uses either the EA cable part 2453129 or the X.25 cable part 2453142. The cables you have depend on the type of communications equipment you ordered.

Part Number



Part Number



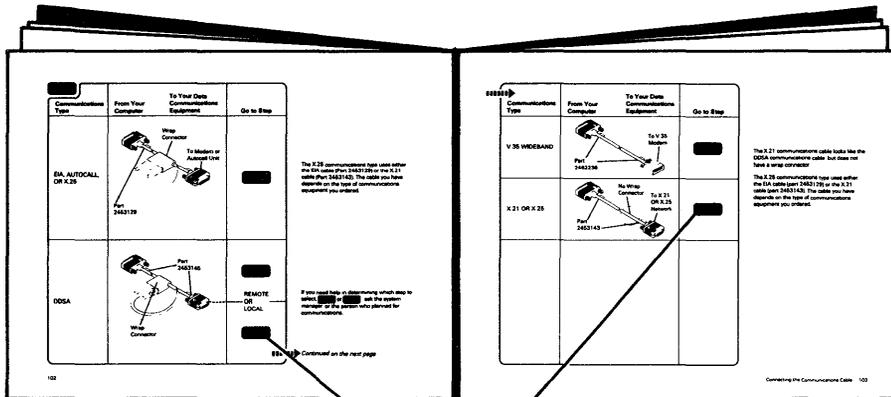
Communications Cable

### CAUTION

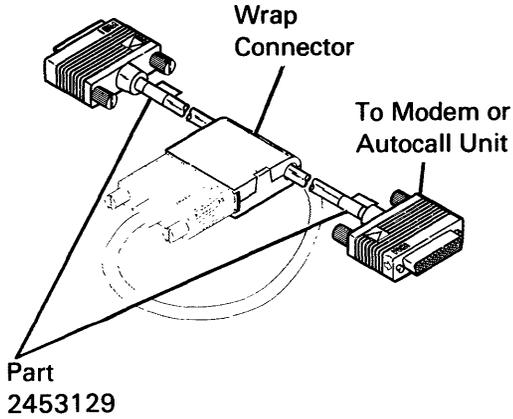
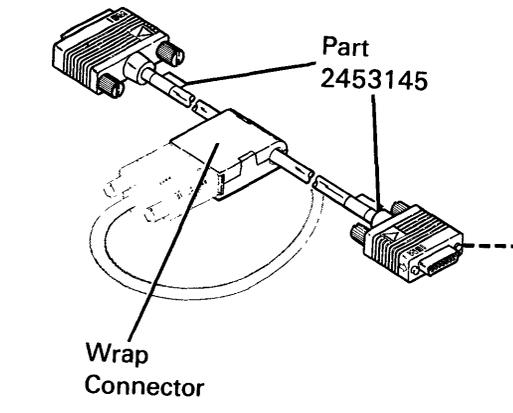
Avoid connecting cables during an electrical storm.

10.4

Once you have determined the communications type, go to the specified step shown in chart 10.5 .



Specified Steps

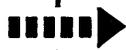
10.5 Communications Type	From Your Computer To Your Data Communications Equipment	Go to Step
EIA, AUTOCALL, OR X.25	 <p>Part 2453129</p>	<p><b>10.6</b></p>
DDSA	 <p>Part 2453145</p> <p>Wrap Connector</p>	<p><b>10.10</b></p> <p>REMOTE OR LOCAL</p> <p><b>10.14</b></p>

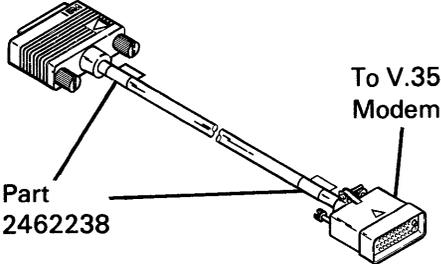
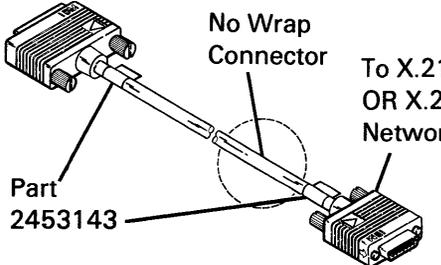
The X.25 communications type uses either the EIA cable (Part 2453129) or the X.21 cable (Part 2453143). The cable you have depends on the type of communications equipment you ordered.

The wrap connector is in this position for wrap test only.

If you need help in determining which step to select, **10.10** or **10.14**, ask the system manager or the person who planned for communications.

➡ *Continued on the next page*



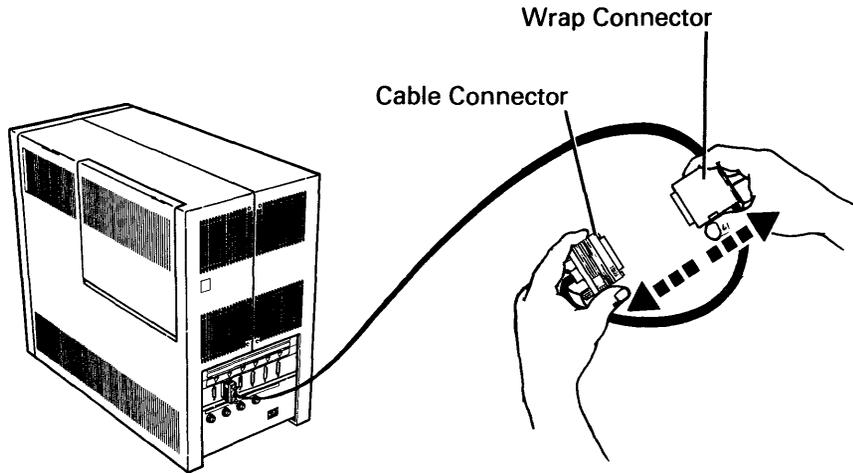
Communications Type	From Your Computer To Your Data Communications Equipment	Go to Step
V.35 WIDEBAND	 <p>Part 2462238</p> <p>To V.35 Modem</p>	10.17
X.21 OR X.25	 <p>Part 2453143</p> <p>No Wrap Connector</p> <p>To X.21 OR X.25 Network</p>	10.20

The X.21 communications cable looks like the DDSA communications cable, but does not have a wrap connector.

The X.25 communications type uses either the EIA cable (part 2453129) or the X.21 cable (part 2453143). The cable you have depends on the type of communications equipment you ordered.

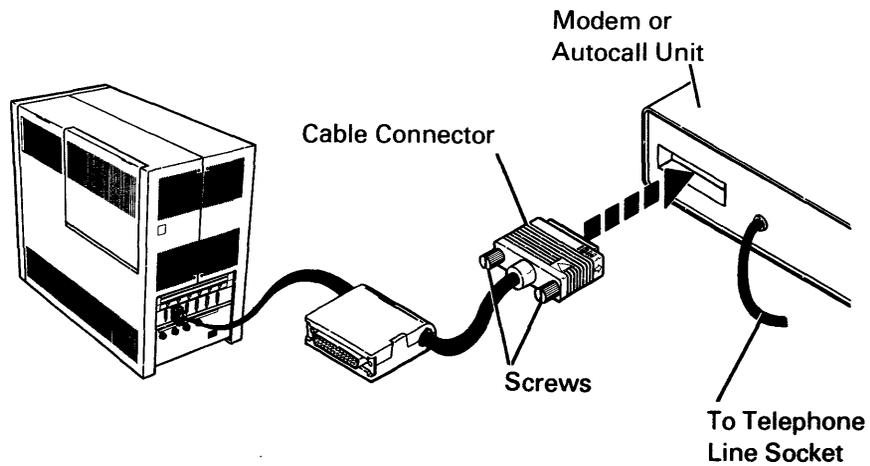
10.6

You have the EIA or Autocall communications cable. Pull the cable connector out from the wrap connector.



10.7

Push the cable connector into the modem.

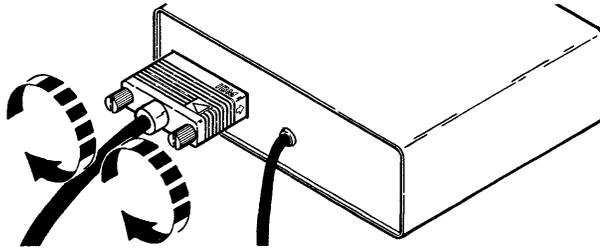


The Autocall unit might be part of the modem. Be sure your Autocall cable connects to socket **A** or **B** on the computer. If you are unsure, call the person responsible for modem installation.

Also, check that the EIA modem, Autocall unit, or X.25 unit is connected to an electrical source.

10.8

Push the connector straight in; then, alternately tighten the screws.



10.9

Do you have another communications cable to connect?

YES

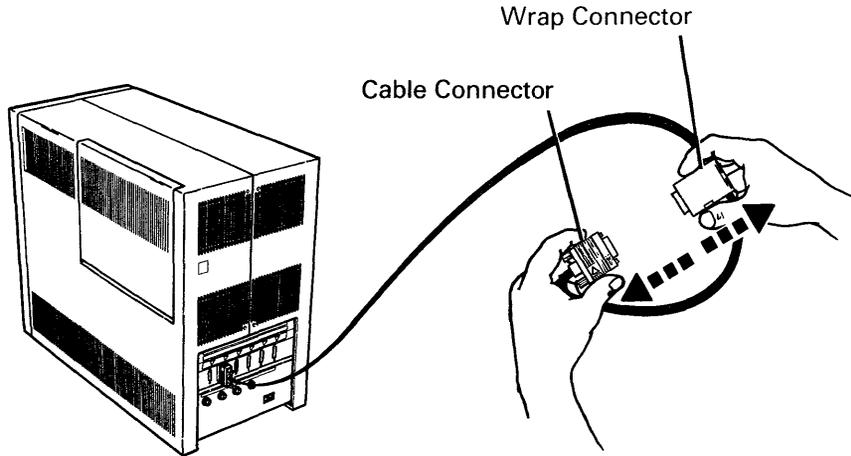
10.2

NO

10.23

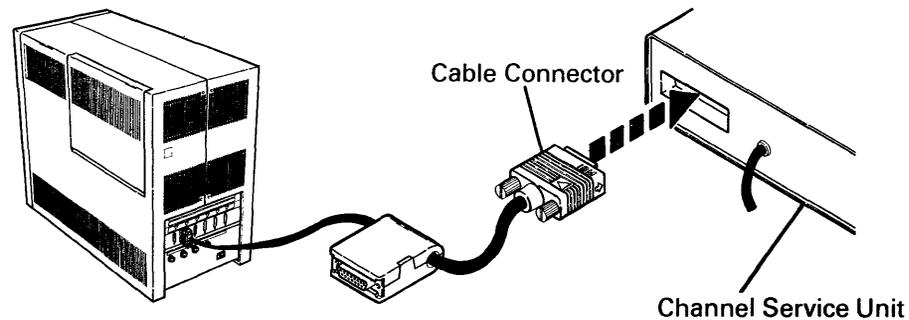
10.10

You have the remote DDSA communications cable. Pull the cable connector out from the wrap connector.



10.11

Push the cable connector into the channel service unit.

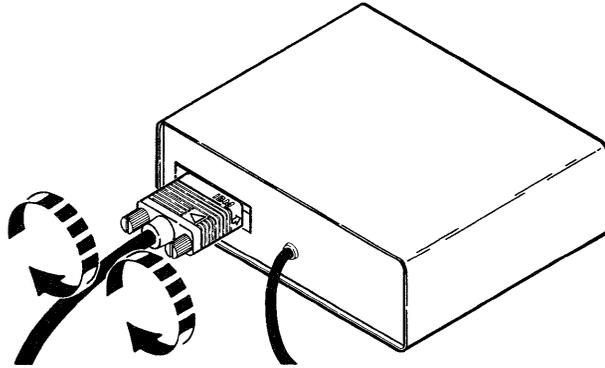


The channel service unit should have been installed before setup. If it was not installed, contact the person responsible for telephone line connection.

Also, be sure that the channel service unit is connected to an electrical source.

**10.12**

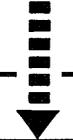
Push the connector straight in; then tighten the screws.



**10.13**

Do you have another communications cable to connect?

YES



**10.2**

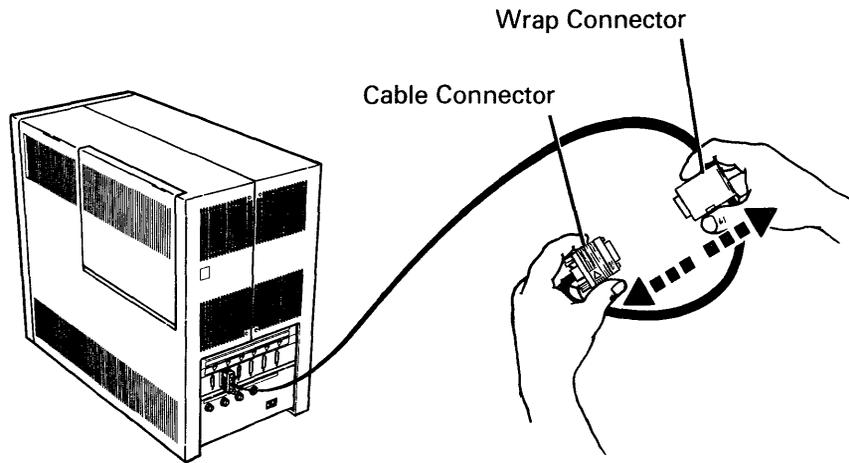
NO



**10.23**

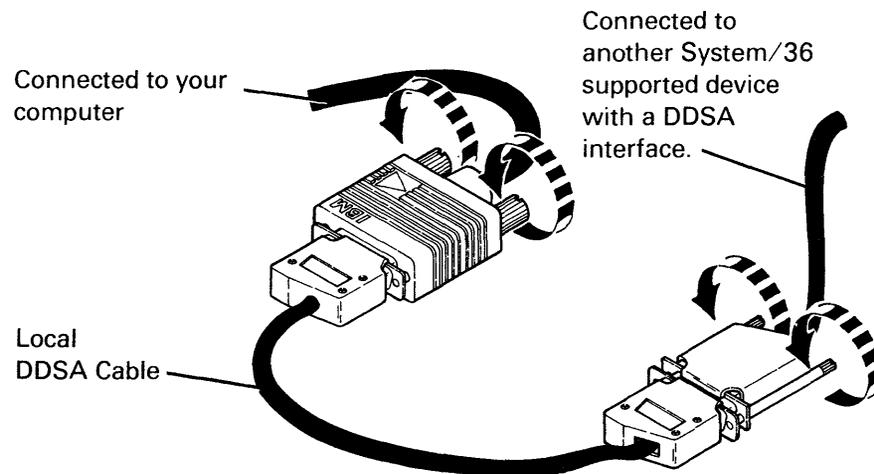
10.14

You have the local DDSA communications cable. Pull the cable connector from the wrap connector.



10.15

Push the connector straight in; then tighten the screws.



The local DDSA cable is in a plastic bag that came with your computer.

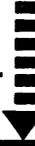
The other end of the DDSA cable is or will be connected to another System/36 supported device with a DDSA interface.

This cable should have been ordered. If not, order part 4236967 for the local DDSA cable.

10.16

Do you have another communications cable to connect?

YES



10.2

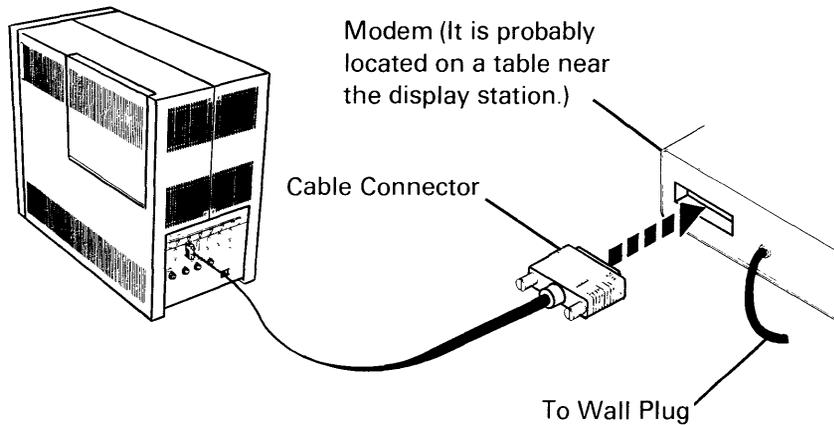
NO



10.23

10.17

You have the V.35 (wideband) communications cable. Push the cable connector from your computer into the socket on the modem or data service unit.

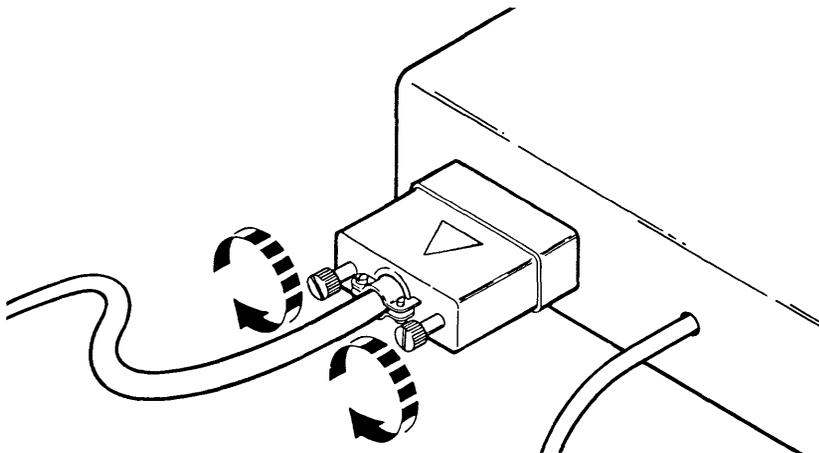


The modem shown is only one of several types that are available.

Be sure that the modem is connected to an electrical source.

10.18

Push the connector straight in; then tighten the screws.



10.19

Do you have another communications cable to connect?

YES

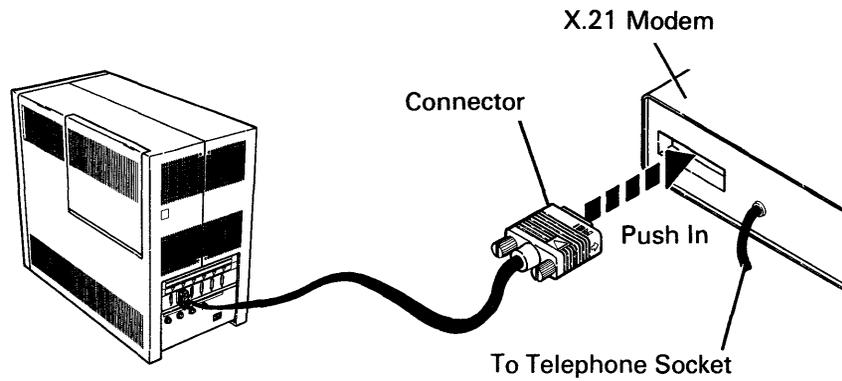
NO

10.2

10.23

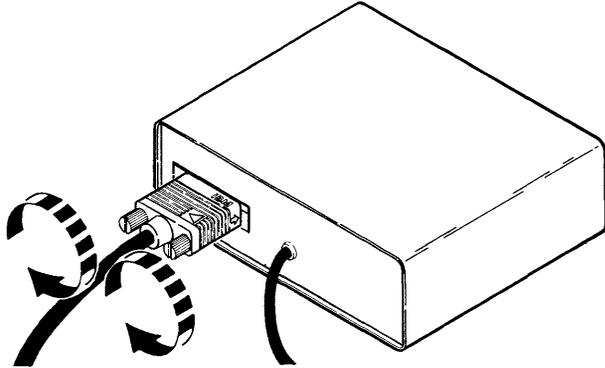
10.20

You have the communications cable that is used for X.21 or X.25 communications.



10.21

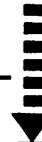
Push the cable connector straight in; then tighten the screws.



10.22

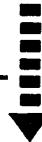
Do you have another communications cable to connect?

YES



10.2

NO

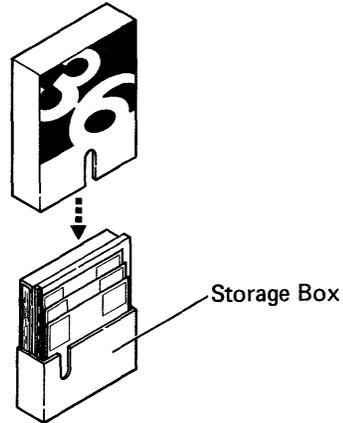


10.23

10.23

You have completed setup. Do the following:

1. Put this manual and diskettes in the storage box, and keep it near the planning packet, *What To Do Before Your Computer Arrives*, SBOF-4778.



2. Be sure to fold and return Forms C4, D, and F to *Forms for Planning*, SA21-9480.

3. Select the appropriate path.

You are setting up the computer *for the first time* and have installed a communications feature.

or

You have installed a communications feature on a computer that was set up and running for some time.

10.24

10.25

**10.24**

Read *Performing the First System Configuration For Your System*, SC21-9067. If you installed 9332 Disk Unit(s), you must add external disk support.

Initialize the new 9332 Disk Unit(s) you installed. Refer to the *System Reference* manual, SC21-9020, for more information.

Be sure that you use the documentation (manuals) that matches the release level of the diskettes that you are loading.

**10.25**

Read *Changing Your System Configuration*, SC21-9052. If you installed 9332 Disk Unit(s), you must add external disk support.

Initialize the new 9332 Disk Unit(s) you installed. Refer to the *System Reference* manual, SC21-9020, for more information.



11

As your installation grows, it may become necessary to relocate the computer. All of the planning and site preparation activities planned for the setup of your system should be reviewed in *Planning to Set Up Your Computer: Workbook 3*.

Review the following procedure to disconnect the computer.

1. Notify the service representative and tell him of the new location for the computer.
2. Remove diskette and close the diskette locking lever.
3. Turn off your computer by pressing the Select Function key and Start Function key.
4. Set all Power switches to the Off (O) position.
5. Unplug the computer power cord.
6. Unplug the power cords from the outlets.
7. Remove the Security key from your computer. If necessary, label it.
8. If a display station has the Keylock feature, turn the key to the locked position and remove the key. If necessary, label it.
9. Put the Security key (and Keylock key) in an envelope and give it to the system manager.

Some devices that attach to your system have their own relocating instructions. Be sure to read those instructions also.

Leave the computer Unit Emergency switch set to Power Enable.

11

■■■■■▶ *Section 11 Continued*



10. Identify and relabel each cable, if necessary:

Look at each cable to be sure that the label is still attached to it. If not, make a label.

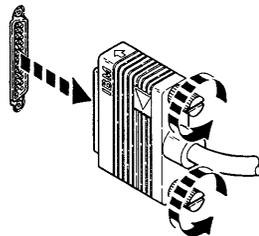
If you need longer work station cables at your new location, order these as soon as possible, as described in *Planning to Set Up Your Computer: Workbook 3, SA21-9476*.

**CAUTION**

**The cable and cable connectors are durable, but can be damaged if stepped on or thrown. Pulling on the cable instead of the connector can damage the cable.**

11. Disconnect each cable.

- a. To disconnect the work station cables, turn the retaining ring counterclockwise until it is loose; then, pull the connector out.
- b. Coil each cable and wrap with tape.
- c. To disconnect the 9332 Disk Unit(s), the 6157 Tape Drive and the communications cable(s), loosen the thumbscrews and pull the connector out.
- d. To disconnect the Local Area Network signal cable, loosen the thumbscrews and pull the connector out of the Personal Computer AT.



For information on making labels, see *Planning to Receive Your Computer: Workbook 8, SA21-9477*.



*Section 11 Continued*



**CAUTION**

Failure to lock the shock mounts on the 9332 Disk Unit(s) could result in damage to the disk(s). Refer to the manual *Installing IBM 9332 Disk Unit, SA21-9804* for information on how to do this.

12. For relocating instructions for another device, see the manual that accompanies that device.
13. If your computer has communications, you might need to call the telephone company.
14. When you set up the computer again, use this manual.



## Section 12. Responding to System Reference Codes and Other Problems

12

If a problem occurs during setup, this section contains procedures that will help you find the problem. These procedures are:

12.A	No Power On Light .....	286
12.B	A 5362 System Reference Code Did Not Appear on the Computer Output Display .....	287
12.C	A 5362 System Reference Code Did Appear on the Computer Output Display .....	290
12.D	Work Station Addresses and Port Numbers Do Not Match .....	294
12.E	Information Cannot be Entered From the Keyboard and Display .....	297
12.F	Responding to a Keyboard Message or a System Reference Code .....	299
12.G	Preparing the Printers for System Checkout .....	316
	3812 Pageprinter .....	317
	4214 Printer Model 2 .....	319
	4224 Printer .....	321
	4234 Printer Model 2 .....	323
	4245 Printer .....	326
	5219 Printer .....	328
	5224 Printer .....	332
	5225 Printer .....	334
	5256 Printer .....	335
	5262 Printer Model 1 .....	337
12.H	Faulty 2K Segments in Main Storage .....	339
12.I	9332 Disk Unit Not Detected .....	340
12.J	IBM Token-Ring Adapter(s) Not Detected .....	341
12.K	Display 02, Note 3 .....	342

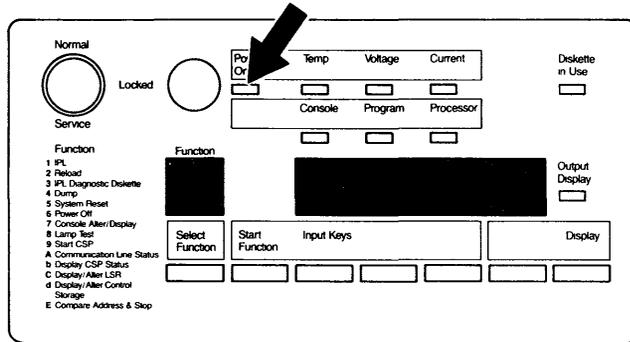
**After you solve the problem, you will be sent back to one of the previous sections to continue setup. If you cannot solve the problem, instructions within each procedure tell you what to do next.**

12

## NO POWER ON LIGHT

12.A

Power On light should glow green when on.



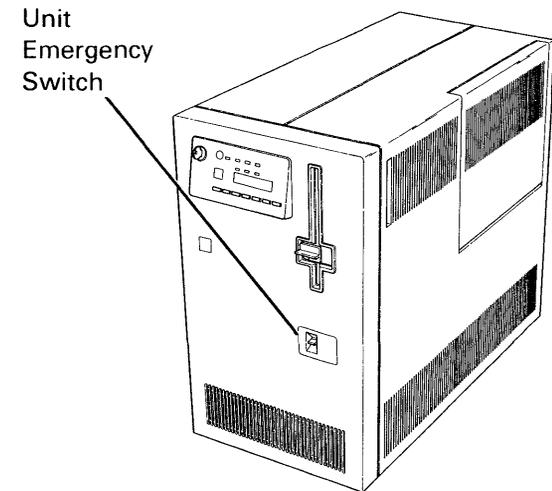
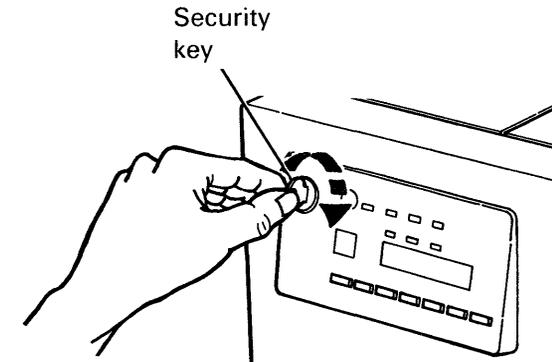
**Cause:** One of the following conditions exists:

- The power cord is not plugged in ( **2.4** and **2.5** ).
- The security key is either not inserted or not turned to the Service position ( **2.8** ).
- The Unit Emergency switch is not set to the Power Enable position ( **8.6** ).
- There is no power to the electrical outlet.

**Action:**

1. Check the above causes.
2. Return to **8.7** and do the computer checkout again.

If you still cannot get a Power On light on your computer, call your hardware service representative.



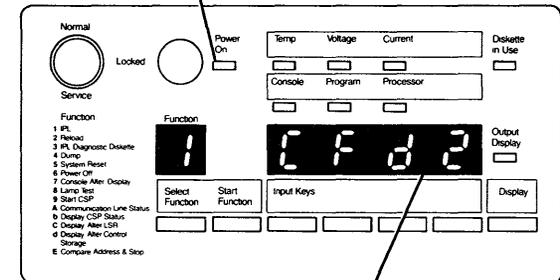
If you came here from *Section 9: Checking Out Your System*, return to **9.5** .

**A 5362 SYSTEM REFERENCE CODE DID NOT APPEAR ON THE COMPUTER OUTPUT DISPLAY**

**12.B**

1. Is a system reference code displayed?
  - YES**  
↓  
Step 4 (on this page)
  - NO**  
↓  
Step 2 (on this page)
  
2. Is the Power On light on (glowing green)?
  - YES**  
↓  
Step 3 (on this page)
  - NO**  
↓  
Go to **12.A** in this section.
  
3. Did you wait 10 to 20 minutes?
  - YES**  
↓  
Step 7 (on next page)
  - NO**  
↓  
Step 1 (on this page)
  
4. Is a system reference code other than 5362 displayed?
  - YES**  
↓  
Step 5 (on this page)
  - NO**  
↓  
Go to **12.C** (in this section).
  
5. Is the system reference code 5099 or CFd2?
  - YES**  
↓  
Step 6 (on next page)
  - NO**  
↓  
Record the code here \_\_\_\_\_ and go to **12.F** in this section.

Power On Light



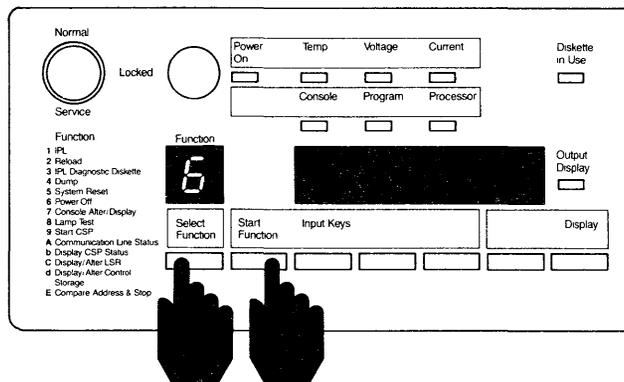
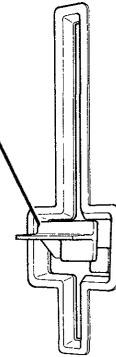
System Reference Code ( **CFd2** example)

▀▀▀▀▀▀ Section 12.B Continued



6. Make sure of the following:
  - a. Diskette 1 is inserted correctly and the diskette locking lever is closed.
  - b. The diskette is not damaged or bent.Once you have checked the above, go to step 7 (on this page).
7. Record the code if one is displayed: \_\_\_\_\_ (Write the code here.)
8. Turn off the computer using the following steps.
  - a. Press the Select Function key until **6** appears.

Diskette Locking Lever



- b. Press the Start Function key.

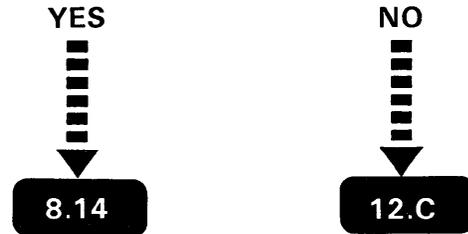


Section 12.B Continued



c. Return to **8.7** and try again. If you get the same system reference code or a code different from 5362, record that code also and call your hardware service representative: \_\_\_\_\_ (Write the code here.)

9. Is display 01 now on the system console?



## A 5362 SYSTEM REFERENCE CODE DID APPEAR ON THE COMPUTER OUTPUT DISPLAY

### 12.C

**Cause:** One or more of the following conditions existed when you turned on the computer:

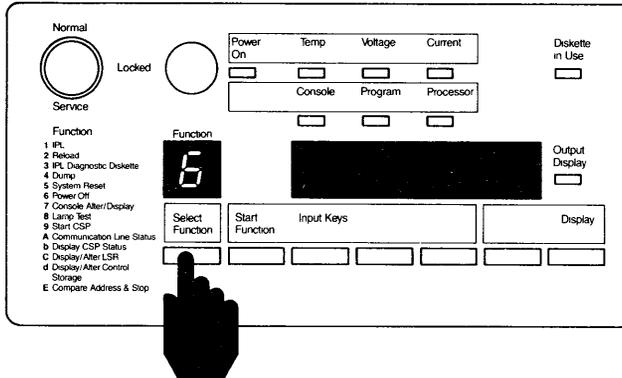
- The Power switch on the system console is set to O (Off).
- The keylock on the system console is in the Normal or Locked position or not fully turned to the Service position.
- The power cord on the system console is not plugged into an electrical outlet.
- There is no electrical power at the outlet (where the system console is plugged in).
- The address assigned to the system console is not O.
- The cable between port O on the computer and socket 1 on the system console is one or more of the following:
  - Brightness control turned down too far
  - Not connected
  - Connected improperly
  - Connected to the wrong socket or port
  - Defective
- If the system console is a Personal Computer, the Personal Computer does not have the Display Station Emulation Adapter or the enhanced Display Station Emulation Adapter installed.
- If the system console is a Personal Computer, the Personal Computer does not have the 5250 Emulation Program or Enhanced 5250 Emulation Program loaded and online.

■■■■■▶ *Section 12.C Continued*

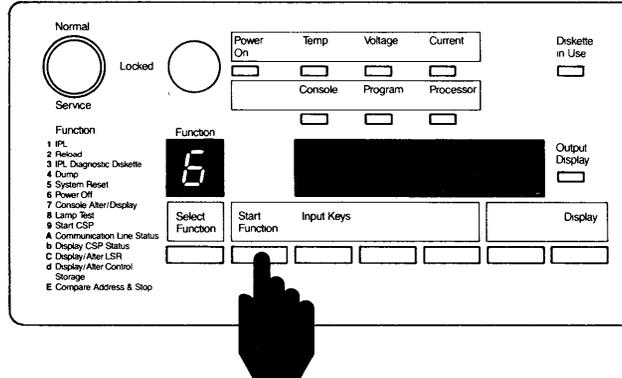


**Action:**

1. Turn off the computer using the following steps:
  - a. Press the Select Function key until **6** appears.



- b. Press the Start Function key.



2. Check the causes identified earlier in this section.
3. Return to **8.7** and try again.

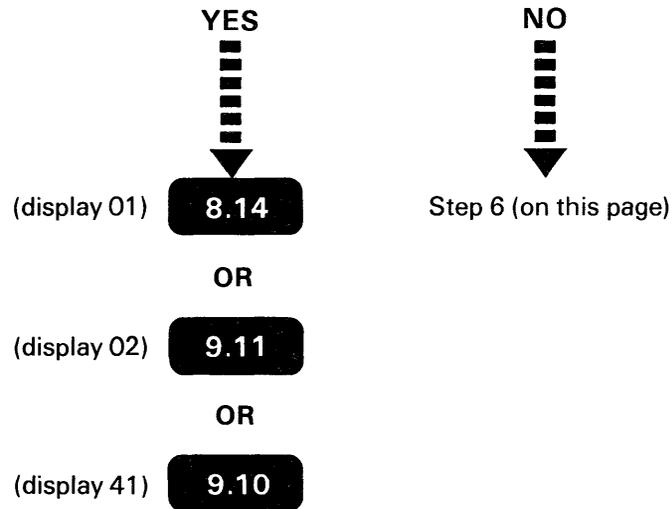
*Section 12.C Continued*



4. If you cannot get a display to appear on the system console, turn off the computer, exchange the system console with another display station, and try the system checkout procedure again.

Be sure to set the address switch to 0 and the Terminator switch to 1 (if the display station has these switches).

5. Did a display appear on the new system console?



6. You cannot continue the system checkout. Call your hardware service representative and report the problem.

This page is intentionally left blank.

## WORK STATION ADDRESSES AND PORT NUMBERS DO NOT MATCH

### 12.D

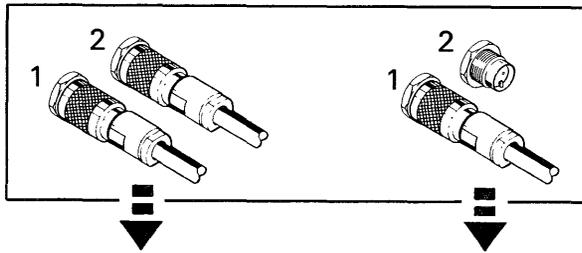
Do the following for each device that is not shown on display 61:

1. Make sure the Power switch on each display station and printer is set to the I (On) position.
2. Make sure each work station is plugged into an outlet.
3. Make sure the keylock is turned to the On position (see the setup manual for that device).
4. Check the work station address switches to make sure they match the Local Work Station Diagram. If any two work stations on the same port have the same address, neither work station is shown on display 61.
  - a. Turn off each work station not displayed correctly on display 61.
  - b. Set the correct address.
  - c. Turn on each work station.

Results of the checkout program can be unpredictable if the address switches are not set correctly.

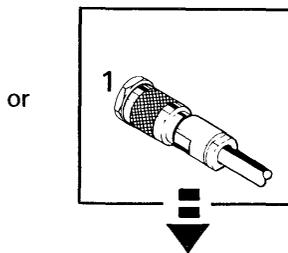
5. Check the Terminator switches.

- a. For all display stations and printers except the personal computer, 3179 Model 2, 3180 Model 2, 3196, and 4224.



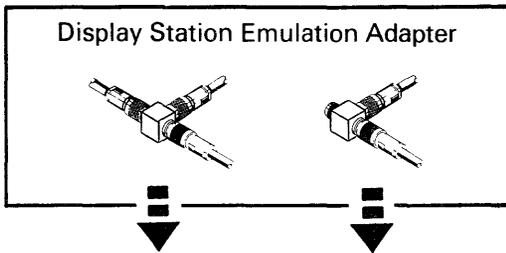
If two cables are connected, set the Terminator switch to 2.

If one cable is connected, set the Terminator switch to 1.



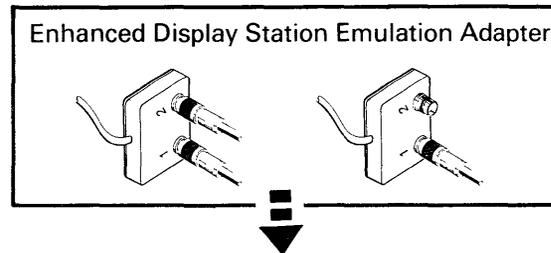
Display stations and printers with only one socket do not have Terminator switches.

- b. For the Personal Computer:



If two cables are connected, make sure switches 4 and 5 of the 6-position switch assembly are set to the Off position.

If one cable is connected, make sure switches 4 and 5 of the 6-position switch assembly are set to the On position; or, that a Terminator is attached and switches 4 and 5 of the 6-position switch assembly are set to the Off position.



The Enhanced Display Station Emulation Adapter has automatic termination built in. Go to step 6 in this section.

■■■■■▶ Section 12.D Continued



6. Check both the cable ends (make sure the cables are connected to the correct ports and sockets and that the connection is tight).
7. After you make the above checks, do the following:
  - a. Press the Enter key at the system console to update display 61.
  - b. Go back to **9.19** .

When you complete step 7 and if you still cannot get display 61 to match Form F (Local Work Station Diagram), do the following:

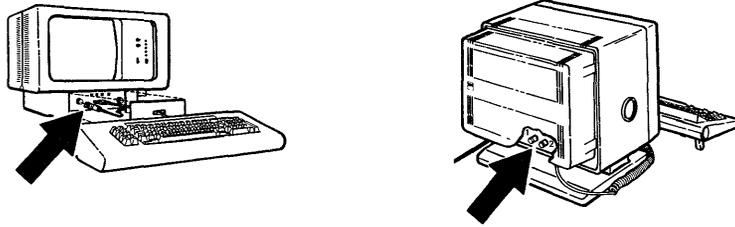
- a. Record the address and port number of the device(s) that does not match Form F (Local Work Station Diagram).
- b. Turn off the work station causing the error.
- c. Press the Enter key on the system console.
- d. Continue the system checkout ( **9.24** ).
- e. Call your hardware service representative after you complete the system checkout.

You might also consider trying a different cable to help find the problem area.

## INFORMATION CANNOT BE ENTERED FROM THE KEYBOARD AND DISPLAYED

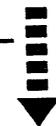
### 12.E

1. Set the display station Power switch to the Off position. Check the keyboard cable connection on the display station that you are working with. Set the display station Power switch to the On position.



2. If the display station has the keylock feature, make sure the key is turned to the On position (see the setup manual for that device).
3. Try again to select an option or enter information from the keyboard.
4. Were you able to enter information successfully from the keyboard?

YES



9.21

OR

8.14

(see additional information)

NO



If there is no keyboard cable connection to the display station, try swapping the system console with another display station.

Return to **8.14** if you had trouble selecting option 1 at the system console.

Section 12.E Continued



5. Record the address and port number of the failing display station: \_\_\_\_\_ (write the address and port number here).
6. After you complete system checkout, call your hardware service representative and report the failing device.
7. Do you have another display station to check?

YES



9.21

NO



9.23

## RESPONDING TO A KEYBOARD MESSAGE OR A SYSTEM REFERENCE CODE

### 12.F

To find a keyboard message, scan the code column. When you find the message, perform the action to recover from the cause. Then try the operation you were performing again.



#### Code Column

0005

**Cause:** The keystroke was invalid or the cursor was not in an input field.

**Action:** Press the Error Reset key and the Erase Input/Home key.

0012

**Cause:** The computer tried to insert a character in the last position of a field or the last position of every field needs to be blank.

**Action:** Press the Error Reset key.

0016

**Cause:** The Field Minus key  was pressed in a nonsigned numeric field.

**Action:** Press the Error Reset key.

0019

**Cause:** The Dup key was pressed in a field where it is not allowed.

**Action:** Press the Error Reset key.

A *keyboard message* will appear on the system console.

If the keyboard message is not listed in this section, see the manual *System Messages*, SC21-7938.

■■■■■▶ *Section 12.F Continued*



To find a system reference code, scan the code column. When you find the code, perform the action to recover from the cause. Then try the operation you were performing again.



### Code Column

194F  
195F

**Cause:** An IPL of the computer was taking place. Function 3 and option 1000 were selected on the operator panel with a release 2 diskette.

**Action:** With function 3 and option 1000 selected, a release 3 or higher diskette must be used to IPL the computer.

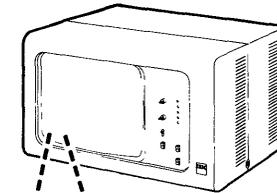
2400  
2401  
2402  
2403  
2404  
2405  
240A  
240C

**Cause:** An IBM program error occurred.

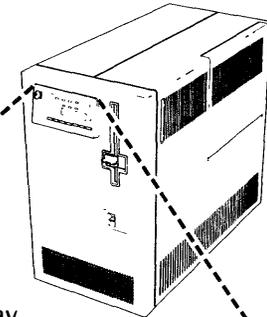
**Action:** Call your programming service representative. You can still use the system as it was being used before this reference code appeared by returning the system to its original status and continuing.

A system reference code can appear on the computer output display or system console.

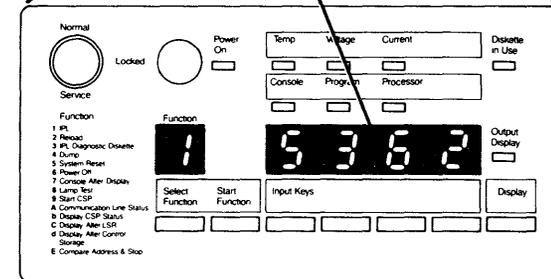
System Console



24A2



Computer Output Display



A system reference code means that you might have a problem with the computer. If the system reference code is not listed in this section, see the manual *System Messages*, SC21-7938 or call your service representative.



Section 12.F Continued



240E

**Cause:** An IBM program error occurred.

**Action:** Call your program support representative.

240F

2410

**Cause:** An IBM program error occurred.

**Action:** Call your programming service representative. You can still use the system as it was being used before this reference code appeared by returning the system to its original status and continuing.

2414

**Cause:** An IPL of the computer was taking place. Function 1 and option 1000 were selected on the operator panel. Your computer is at a release level higher than 2.

**Action:** Insert a diskette that matches the release level on your system to perform the IPL. Select function 3 and option 1000 on the operator panel.

2415

**Cause:** A hardware configuration change and a reload of the SSP was attempted at the same time.

**Action:** Install the SSP first, then the feature(s) and try again. Refer to the manual *Installing Your New Features* to make sure the feature installation is correct. Try the reload of the SSP again. If you get the same reference code again, call your hardware service representative.



*Section 12.F Continued*



2416  
2417  
2450  
2451

**Cause:** An IBM program error occurred.

**Action:** Call your programming service representative. You can still use the system as it was being used before this reference code appeared by returning the system to its original status and continuing.

2452

**Cause:** An IBM program error occurred.

**Action:** Perform IPL again. If you get the same reference code again, call your programming service representative.

2453

**Cause:** An IBM program error occurred.

**Action:** Call your programming service representative. You can still use the system as it was being used before this reference code appeared by returning the system to its original status and continuing.

2454

**Cause:** An IBM program error occurred.

**Action:** Call your programming service representative. You probably cannot use the system because of this reference code.



*Section 12.F Continued*



2455

**Cause:** A hardware error occurred.

**Action:** Perform IPL again. If you get the same reference code again, call your hardware service representative.

2456

**Cause:** An IBM program error occurred.

**Action:** Call your programming service representative. You can still use the system as it was being used before this reference code appeared by returning the system to its original status and continuing.

2457

**Cause:** The wrong diskette was inserted.

**Action:** Insert the correct diskette and try again. If you get the same reference code again, call your hardware service representative.

24A0

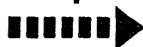
24A1

**Cause:** An IBM program error occurred.

**Action:** Call your programming service representative.



*Section 12.F Continued*



24A2

**Cause:** The wrong diskette was inserted.

**Action:** Make sure you are using the diskette that came with the feature. Insert the correct diskette and try again. If you get the same reference code again, call your programming service representative. You can still use the system as it was being used before this reference code appeared by returning the system to its original status and continuing.

24A3

24A4

24A5

24A6

24A7

24A8

24A9

**Cause:** An IBM program error occurred.

**Action:** Call your programming service representative. You can still use the system as it was being used before this reference code appeared by returning the system to its original status and continuing.



*Section 12.F Continued*



24AA  
24AC  
24AE  
24AF  
24C0  
24C1  
24C2  
24C3  
24C4  
24C5  
24FF

**Cause:** An IBM program error occurred.

**Action:** Call your programming service representative. You probably cannot use the system because of this reference code.

5030

**Cause:** An error occurred somewhere within the computer communications circuits.

**Action:**

1. Check the wrap connector connection again. If you have the *Autocall* feature, also check the cable(s) connected to sockets A and B.
2. Check that the communications cable(s) is connected to the computer.
3. Select option 1 and press the Enter key to try again.



*Section 12.F Continued*



4. If 5030 is displayed again, record the error message, select option O on display 72, and press the Enter key to bypass the error condition. The checkout program will test the next line. When the last line is tested, display 73 appears.

When you complete this section, call your hardware service representative and report the problem.

5. Return to **9.29**.

5099

**Cause:** Diskette 1 is removed or incorrectly inserted.

- Action:**
1. Insert diskette 1 and try again.
  2. If you get the same reference code again, call your hardware service representative.

50CE

**Cause:** The disk assembly in your computer is not working correctly.

**Action:** Call your hardware service representative and report the problem.



*Section 12.F Continued*



## 5100

**Cause:** An error occurred at a display station.

- Action:**
1. Press the Enter key at the system console to try again. If the 5100 system reference code is displayed again, record the port number and address of the failing display station.
  2. Turn off the failing display station.
  3. Press the Enter key to bypass the error condition.
  4. After you complete system checkout, call your hardware service representative and report the port number and address of the failing display station.

## 5200

**Cause:** The printer has an error that you cannot fix.

- Action:**
1. Record the system reference code and printer address.
  2. Turn off the printer.
  3. Press the Enter key to bypass the error condition.
  4. After you complete system checkout, call your hardware service representative and report the system reference code and printer address.
  5. Return to **9.21** .



*Section 12.F Continued*



5210

**Cause:** The printer has a machine check.

- Action:**
1. Go to the printer operator's manual and perform the machine check recovery procedure.
  2. Press the Enter key at the system console to try again.
  3. If the 5210 system reference code is displayed again, record the port number and address of the failing printer.
  4. Turn off the printer.
  5. Press the Enter key at the system console to bypass the error condition

5226

**Cause:** The printer has a graphic check.

- Action:**
1. Go to the printer operator's manual and perform the graphic check recovery procedure.
  2. Press the Enter key at the system console to try again.
  3. If the 5226 system reference code is displayed again, record the port number and address of the failing printer.
  4. Turn off the printer.
  5. Press the Enter key at the system console to bypass the error condition.

 *Section 12.F Continued*



### 5230

**Cause:** The printer has a print check.

- Action:**
1. Go to the printer operator's manual and perform the print check recovery procedure.
  2. Press the Enter key at the system console to try again.
  3. If the 5230 system reference code is displayed again, record the port number and address of the failing printer.
  4. Turn off the printer.
  5. Press the Enter key at the system console to bypass the error condition.

### 5240

**Cause:** The printer has a forms check.

- Action:**
1. Go to the printer operator's manual and perform the forms check recovery procedure.
  2. Press the Enter key at the system console to try again.
  3. If the 5240 system reference code is displayed again, record the port number and address of the failing printer.
  4. Turn off the printer.
  5. Press the Enter key at the system console to bypass the error condition.



*Section 12.F Continued*



### 5247

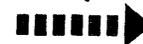
**Cause:** The printer has a paper jam.

- Action:**
1. Go to the printer operator's manual and perform the paper jam recovery procedure.
  2. Press the Enter key at the system console to try again.
  3. If the 5247 system reference code is displayed again, record the port number and address of the failing printer.
  4. Turn off the printer.
  5. Press the Enter key at the system console to bypass the error condition.

### 5250

**Cause:** The printer is out of forms.

- Action:**
1. Go to the printer operator's manual and perform the Out Of Forms recovery procedure.
  2. Press the Enter key at the system console to try again.
  3. If the 5250 system reference code is displayed again, record the port number and address of the failing printer.
  4. Turn off the printer.
  5. Press the Enter key at the system console to bypass the error condition.



*Section 12.F Continued*



5251

**Cause:** The printer is not ready.

**Action:** Go to 12.G in this manual, and prepare the printer (or make it ready) for system checkout.

5288

**Cause:** The printer has a ribbon jam.

- Action:**
1. Go to the printer operator's manual and respond to the ribbon jam.
  2. Press the Enter key at the system console to try again.
  3. If the 5288 system reference code is displayed again, record the port number and address of the failing printer.
  4. Turn off the printer.
  5. Press the Enter key at the system console to bypass the error condition.

5362

**Cause:** The system console is not working or is not connected properly to the computer.

**Action:** Go to **12.C** .

5B50

**Cause:** The tape drive is not powered on or the drive is not responding.



*Section 12.F Continued*



**Action:** Check the following:

1. Is the tape drive power switch set to the On (I) position?
2. Is the power cord plugged into the tape drive and the wall outlet?
3. Is there power at the wall outlet?
4. Is the 6157 Tape Drive signal cable plugged into the computer and are the thumb screws tight?

Select option 1 to retry. If this error continues to occur select option 0 to bypass and call your service representative to report the problem. Continue setting up your other devices.

5B81

**Cause:** The tape cartridge is damaged or inserted incorrectly.

**Action:** Remove the cartridge from the tape drive and visually inspect for damage. If the cartridge appears damaged, locate another scratch cartridge. Reinsert the cartridge into the tape drive and turn the load lever to an upright position. Select option 1 to retry. If this error continues to occur select option 0 to bypass and call your service representative to report the problem. Continue setting up your other devices.

5BA6

**Cause:** The tape cartridge is write protected.



*Section 12.F Continued*



**Action:** Remove the cartridge from the tape drive and turn the write-protect plug away from (opposite) the SAFE position. Insert the cartridge into the tape drive. Turn the load lever to the closed position. Select option 1 to retry. If this error continues to occur select option 0 to bypass and call your service representative to report the problem. Continue setting up your other devices.

5BF4

**Cause:** The tape drive has an unrecoverable error.

**Action:** Call your service representative. Select option 0 to bypass this error. If you have other devices, continue setting them up.

5BFD

**Cause:** The tape cartridge is not write protected.

**Action:** Remove the cartridge from the tape drive and turn the write-protect plug to the SAFE position. Insert the cartridge into the tape drive. Turn the load lever to the closed position. Select option 1 to retry. If this error continues to occur select option 0 to bypass and call your service representative to report the problem. Continue setting up your other devices.

5BFE

**Cause:** The tape drive feature card has an error.

**Action:** Remove the wrap connector and firmly insert it again. Select option 1 to retry. If this error continues to occur select option 0 to bypass and call your service representative to report the problem. Continue setting up your other devices.



*Section 12.F Continued*



5CCE

**Cause:** The Device Checkout Selection menu (display 51) does not appear on the system console.

- Action:**
1. Check to ensure that the system console is plugged in and that there is electrical power at the outlet.
  2. Make sure that the Power switch on the system console is set to I (On).
  3. Check the system console work station cable; it should be securely connected to socket 1 on the system console and port O on your computer.
  4. If you make the above checks and your computer still does not display the Device Checkout Selection menu, call your hardware service representative and report the problem.

6005  
6010  
6011  
6012  
6014  
CF71

**Cause:** A hardware error occurred.

**Action:** Call your service representative and report the problem.



*Section 12.F Continued*



CFB2

**Cause:** The tape drive feature has a problem during customer setup IPL.

**Action:** **Power off your computer!** Remove the top card connector and tape drive feature card. Reinsert the tape drive feature card and the top card connector. IPL using function 3 and option 1000 on the operator panel. If the error occurs again, **power off your computer**, remove the top card connector and the tape drive feature card. Call your service representative and report the problem and continue setting up your other devices.

**12.G**

**Preparing a Printer for System Checkout Means that You Should:**

1. Insert forms or paper into the printer and connect the appropriate forms attachment(s), if any.
2. Turn on the printer.
3. Check the printer for any displayed error codes.

You might have one or more than one of the following printers to prepare for system checkout.

The printers to prepare for system checkout are listed as follows:

<u>Printer</u>	<u>Page</u>
3812 Pageprinter	317
4214 Printer Model 2	319
4224 Printer	321
4234 Printer Model 2	323
4245 Printer	326
5219 Printer	328
5224 Printer	332
5225 Printer	334
5256 Printer	335
5262 Printer Model 1	337
5553 Printer <sup>1</sup>	

If you have trouble preparing a printer, go to the Problem Determination Procedure in the setup manual for that device.

<sup>1</sup>The 5553 Printer is set up and prepared for system checkout according to the 5550 *System Setup Instructions* manual.

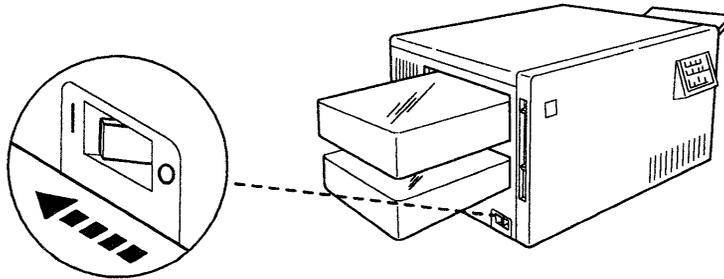


## 3812 PAGEPRINTER

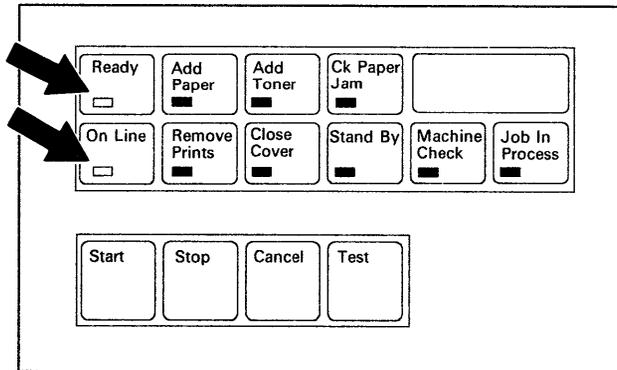


### Preparing the IBM 3812 Pageprinter for System Checkout

1. Set the Power switch on the 3812 Printer to the I (On) position.



2. After about 2 minutes the Job-In-Process and Stand-By lights go off and the Ready and On Line lights come on.



3. The 3812 Pageprinter is now ready for system checkout.



Section 12.G Continued



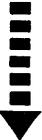
4. Do you have another printer to prepare for system checkout?

YES



Go to the next printer and prepare it for system checkout.

NO



9.3



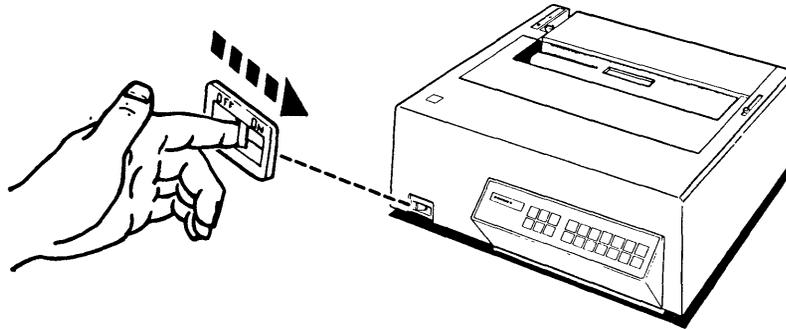
*Section 12.G Continued*



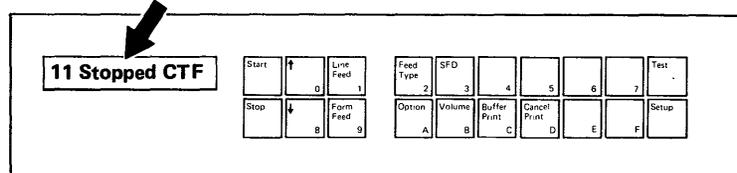
### Preparing the IBM 4214 Printer Model 2 for System Checkout:

Be sure the 4214 Printer Model 2 is set up.

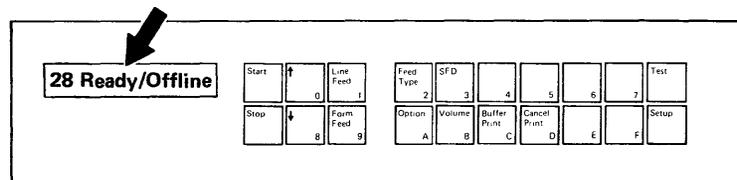
1. Set the Power switch on the 4214 Printer Model 2 to the I (On) position.



2. The following display appears on the operator panel of the 4214 Printer Model 2 after about 10 seconds:



3. Press the Start key. The following display appears on the operator panel of the 4214 Printer Model 2:



The 4214 Printer Model 2 is ready for system checkout.



*Section 12.G Continued*



4. Do you have another printer to prepare for system checkout?

YES



Go to the next printer and prepare it for system checkout.

NO



9.3



*Section 12.G Continued*





3. Do you have another printer to prepare for system checkout?

YES



Go to the next printer and prepare it for system checkout.

NO



9.3



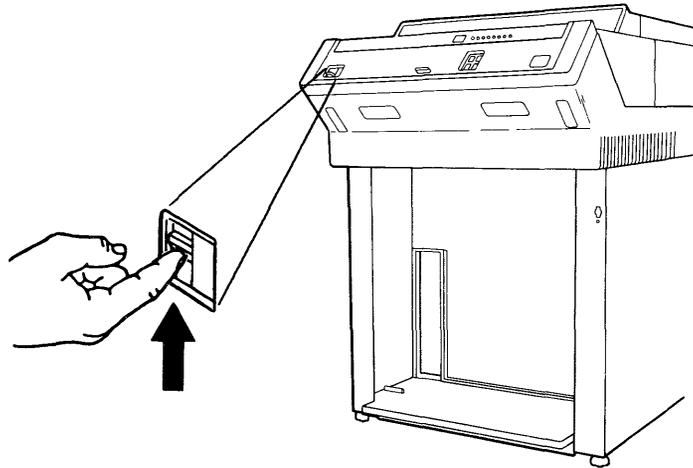
*Section 12.G Continued*

## 4234 PRINTER MODEL 2



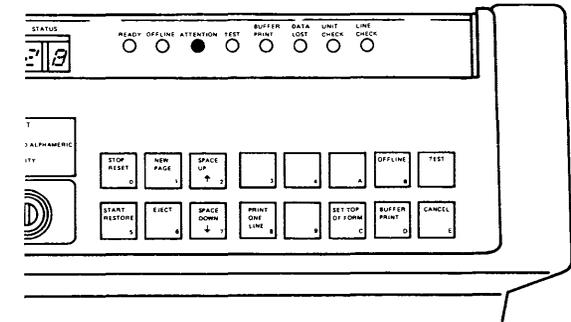
### Preparing the IBM 4234 Model 2 Printer for system checkout

1. Set the Power switch on the 4234 Model 2 Printer to the I (On) position.



Be sure the 4234 Model 2 Printer is set up.

When you power on the 4234 Model 2 Printer, the printer goes through some diagnostic tests. When the 4234 Model 2 Printer completes the diagnostic tests, the Attention light comes on.



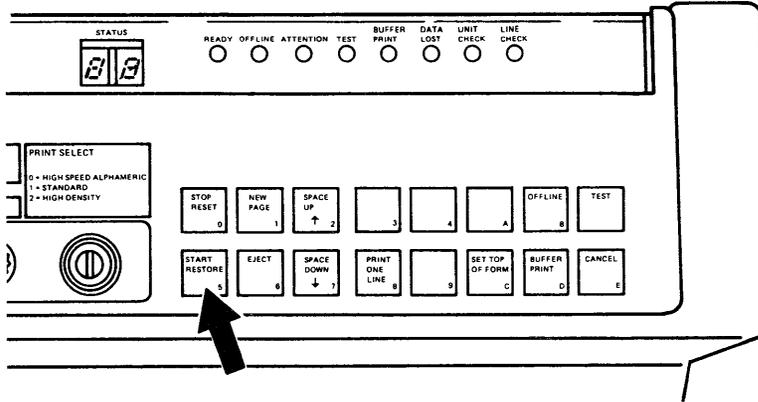
*Section 12.G Continued*



2. Wait for the 4234 Model 2 Printer diagnostic tests to complete; then press the

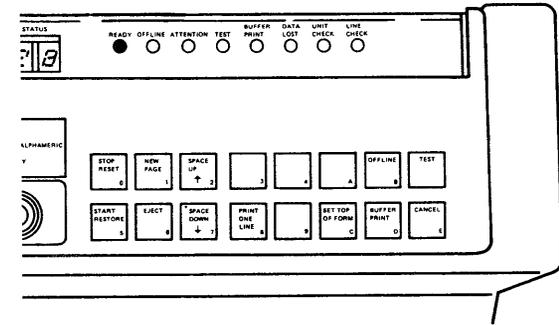


key.



3. The 4234 Model 2 Printer is ready for system checkout.

After you press the  key, the Ready light comes on and the Attention light goes off.



Section 12.G Continued



4. Do you have another printer to prepare for system checkout?

YES



Go to the next printer and prepare it for system checkout.

NO



9.3



*Section 12.G Continued*

## 4245 PRINTER

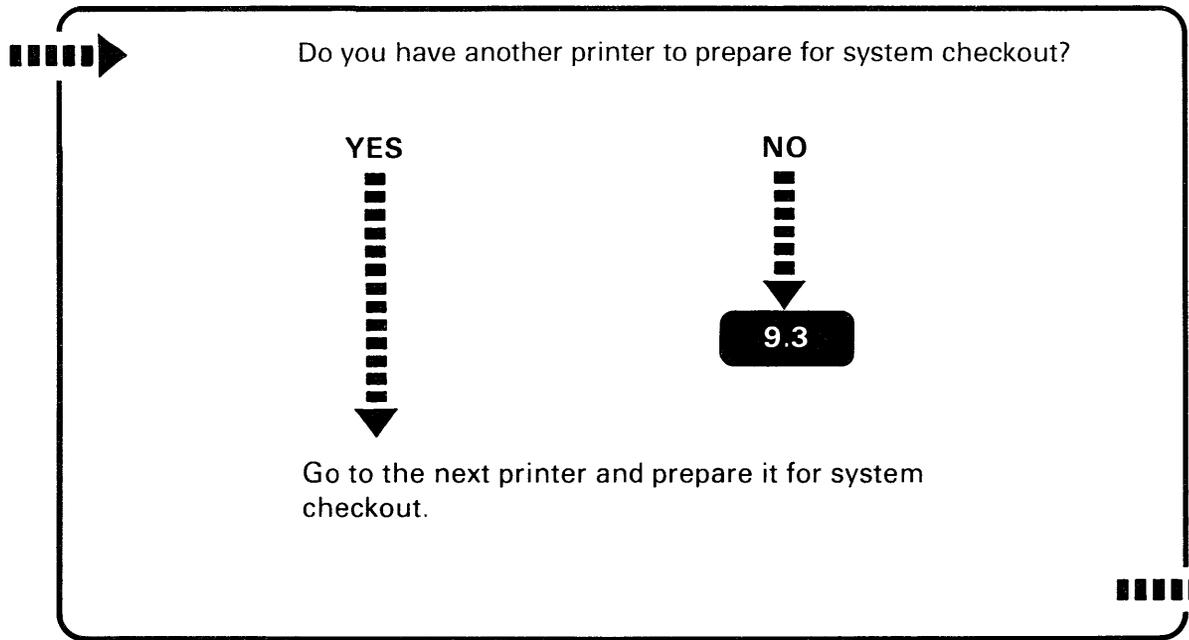


### Preparing the IBM 4245 Printer for System Checkout:

The 4245 Printer does not have a checkout procedure. But you must set the printer control values. See the Maintenance Panel (Customer Functions) section of the manual *IBM 4245 Printer Information Models T12 and T20*, GA33-1591.



*Section 12.G Continued*



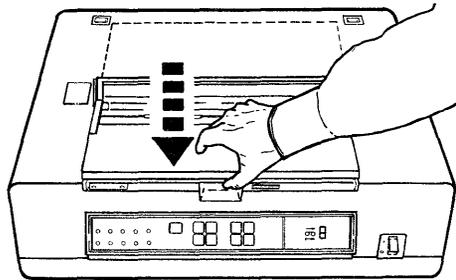
Section 12.G Continued

## 5219 PRINTER

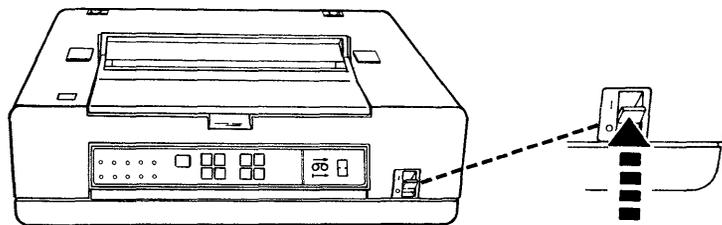


### Preparing the IBM 5219 Printer for System Checkout:

1. Make sure the printer cover is closed.



2. Make sure the 5219 Printer is on.

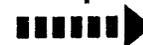


Be sure the IBM 5219 Printer is set up.

The 5219 Printer system checkout can be done with the automatic sheet feed or tractor feed attached, or no attachments.

If you have the automatic sheet feed or tractor feed attached, make sure you have paper loaded into the printer according to the steps described in the *5219 Setup Guide*.

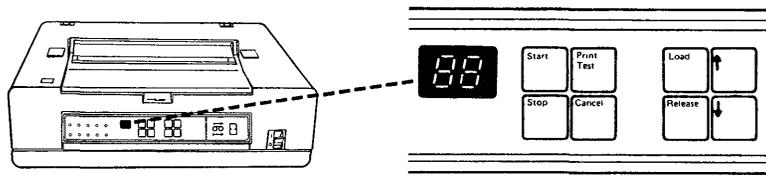
If you have no attachment when you start system checkout, the system may prompt you for paper even if you already loaded paper in the printer (the Load Paper light comes on). In this case, press the Start key.



*Section 12.G Continued*



During the internal check, the number **88** appears on the printer 2-digit display for only a few seconds; it means that your printer checked out successfully.



If you see a number other than **88**, go to the codes listed in the guide for the 5219 Printer. If you cannot correct the problem using the *5219 Setup Guide*; turn the printer off and call your service representative after you complete system checkout.

3. Is paper inserted into the printer?

YES



Step 4 (next page)

NO



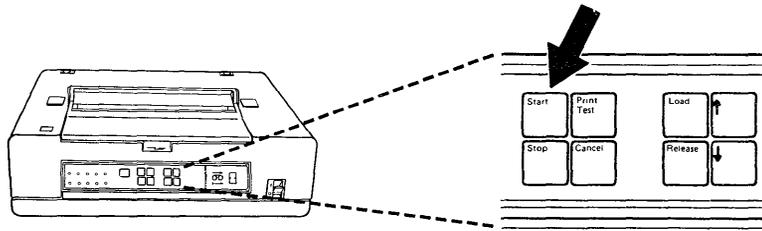
Step 6 (page after next)



Section 12.G Continued



4. Press the Start key.



5. Do you have another printer to prepare for system checkout?

YES



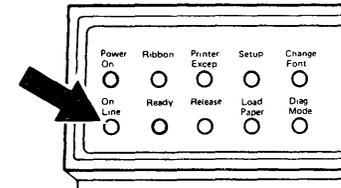
Go to the next printer and prepare it for system checkout.

NO



9.3

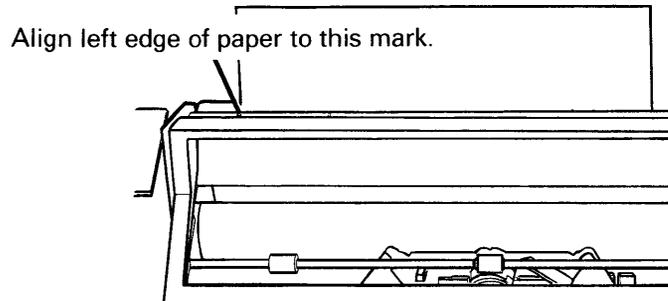
When the checkout program is loaded into the computer, the 5219 On Line indicator glows green. Your 5219 Printer is then ready for system checkout.



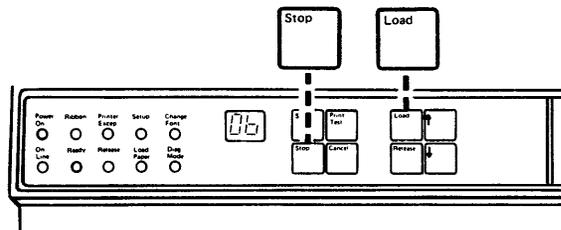
Section 12.G Continued



6. Insert two or three forms (continuous-cut) into the printer by performing the following steps:
  - a. Align the left edge of the paper with the triangle on the printer.
  - b. Insert the paper until it stops.



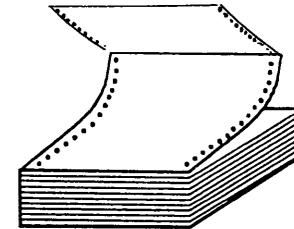
- c. Press the Stop key and then the Load key. (If you have an automatic sheet feed, press only the start key, not the Stop key and the Load key.) The paper automatically feeds into the printer.



Your printer is ready for system checkout.

- d. Return to step 4 in this procedure.

### Continuous-Cut Forms



See the *5219 setup manual* for the procedure on loading paper, if you have installed the automatic sheet feed or tractor feed.

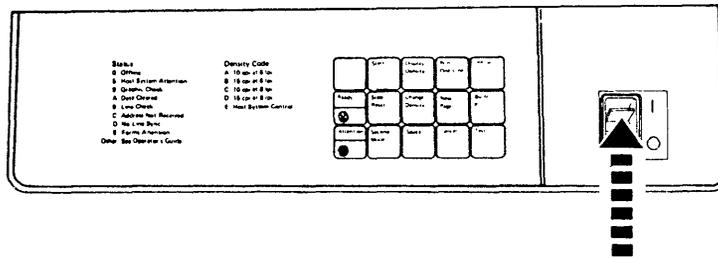
# 5224 PRINTER



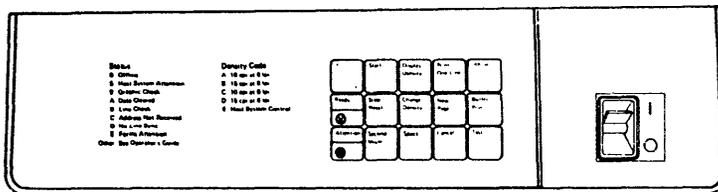
## Preparing the IBM 5224 Printer for System Checkout:

1. Set the 5224 Power switch to the O (Off) and then to the I (On) position.

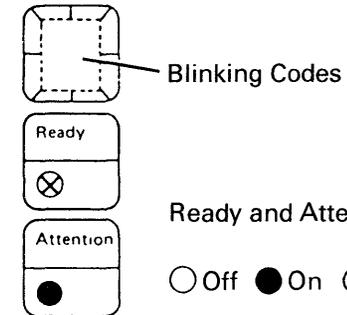
The Attention light turns on, several display codes blink on and off, then the Ready light blinks.



After 1 minute, the Ready light stops blinking and the display shows a code other than 8, or no code (blank). The Attention light remains on.



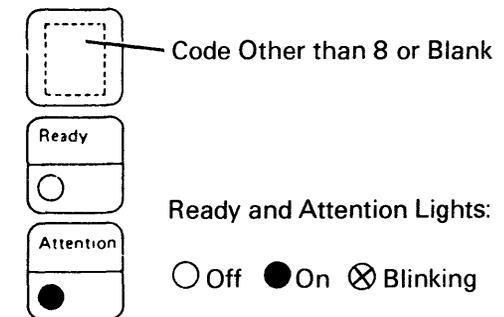
Be sure the IBM 5224 Printer is set up and paper inserted.



Blinking Codes

Ready and Attention Lights:

○ Off ● On ⊗ Blinking



Code Other than 8 or Blank

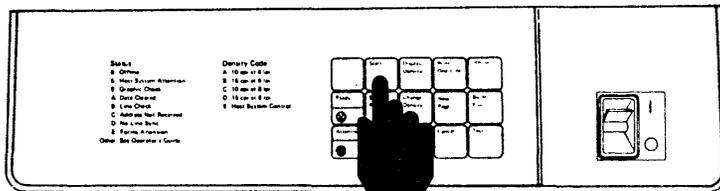
Ready and Attention Lights:

○ Off ● On ⊗ Blinking

Section 12.G Continued



2. Press the Start key. The Ready light turns on and the Attention light turns off. Your printer is ready for system checkout.



Do you have another printer to prepare for system checkout?

YES



Go to the next printer and prepare it for system checkout.

NO



9.3



This might not be blank (no code); a code might be displayed.



Ready and Attention Lights:

○ Off ● On ⊗ Blinking



Section 12.G Continued

## 5225 PRINTER



### Preparing the IBM 5225 Printer for System Checkout:

1. Place the Power switch on the 5225 Printer in the O (Off) position.
2. Set the Mode switch to the On Line position.
3. Set the Power switch to the I (On) position.

Wait for the 5225 Attention indicator to come on; then, several characters are displayed on the 5225 operator panel for a short time. When the power-on test is complete, the 5225 Attention indicator will be on, and the 5225 display will be blank or show the letter C or D.

4. Press the Start key.

This turns on the Ready indicator. Your printer is ready for system checkout.

5. Do you have another printer to prepare for system checkout?

YES



Go to the next printer and prepare it for system checkout.

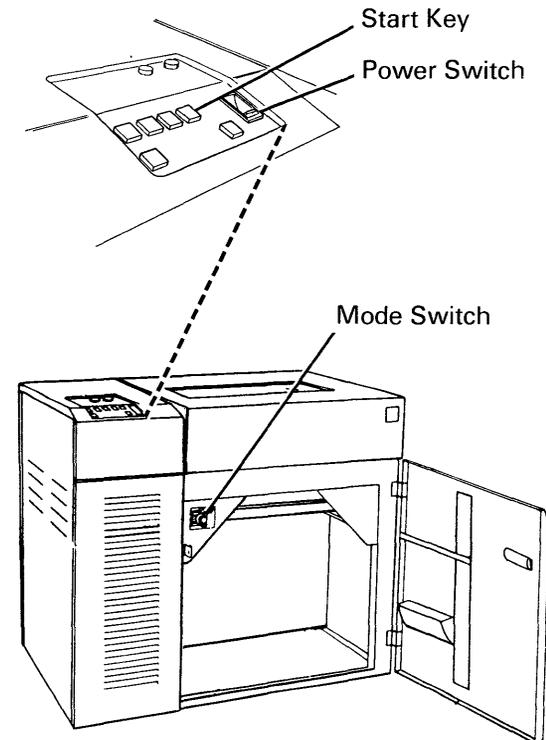
NO



9.3

Be sure the 5225 Printer is set up and paper inserted.

The Mode switch is inside the front cover.



If a problem occurs, refer to *Solving Printer Problems* in the *IBM 5225 Printer Operator's Guide*.

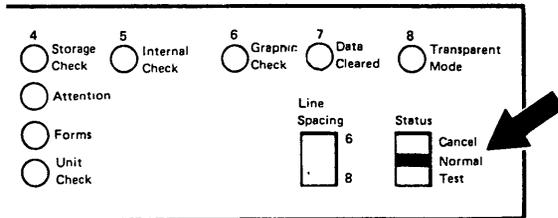


Section 12.G Continued

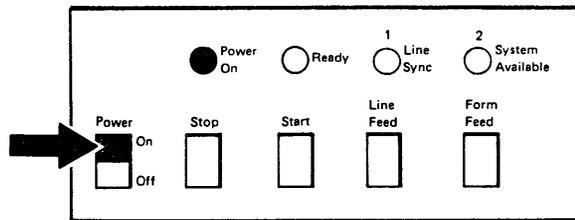


**Preparing the IBM 5256 Printer for System Checkout:**

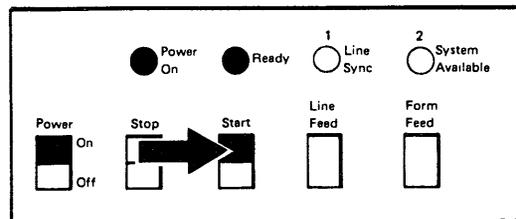
1. Make sure the status switch is set to Normal.



2. Set the Power switch to On. The Power On light turns on.



3. Press Start.



The Ready light turns on now and the print head moves into position to start printing. Your printer is ready for system checkout.

Be sure the 5256 Printer is set up and paper inserted.



*Section 12.G Continued*



4. Do you have another printer to prepare for system checkout?

YES



Go to the next printer and prepare it for system checkout.

NO



9.3



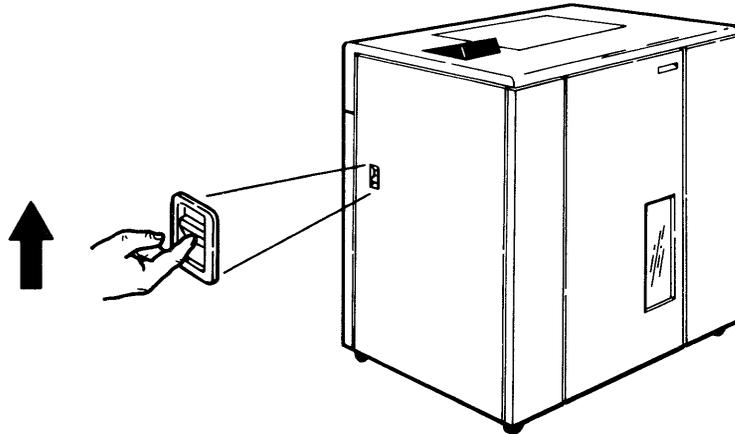
*Section 12.G Continued*

# 5262 PRINTER MODEL 1

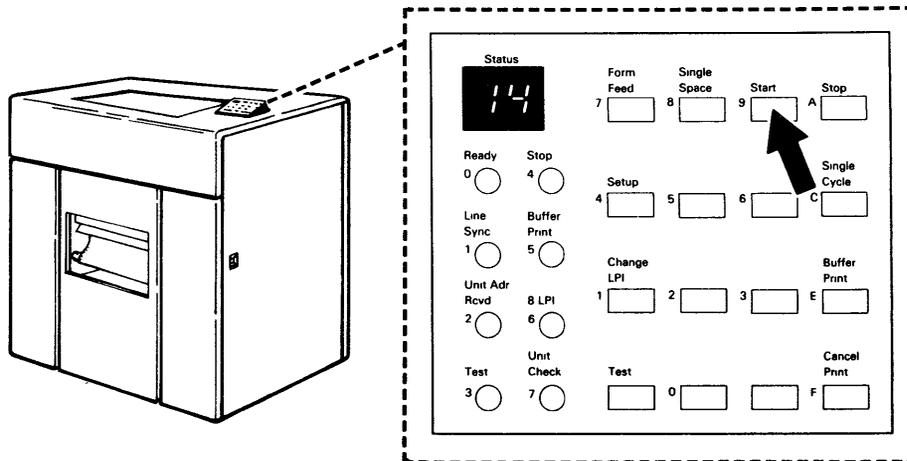


## Preparing the 5262 Printer Model 1 for System Checkout:

1. Set the Power switch on the 5262 Printer Model 1 to the I (On) position.



2. Press the Start key.



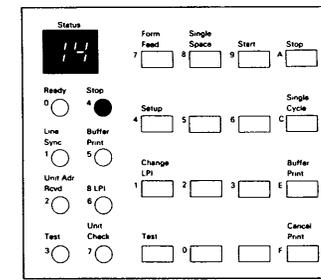
The 5262 Printer Model 1 is ready for system checkout.



Section 12.G Continued

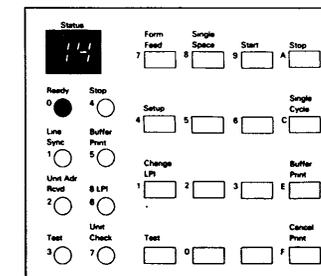
Be sure the 5262 Printer Model 1 is set up.

When you power on the 5262 Printer Model 1, the printer goes through some diagnostic tests. After about 30 seconds, the 5262 Printer Model 1 completes the diagnostic tests. Then the Stop light comes on and a status code of 14 is displayed as shown in the following example:



**Note:** The status code 14 means you have not yet configured the 5262 Printer Model 1 to System/36.

After you press the Start key, the Ready light comes on as shown in the following example:





3. Do you have another printer to prepare for system checkout?

YES



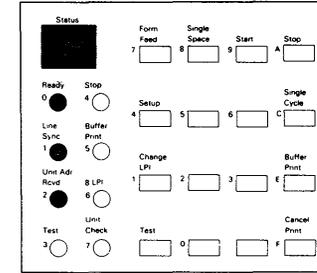
Go to the next printer and prepare it for system checkout.

NO



9.3

After you configure the System/36 to include a 5262 Printer Model 1, the Line Sync light, and the Unit Adr Rcvd light comes on whenever you press the Start key on the printer, and no status is displayed.



# FAULTY 2K SEGMENTS IN MAIN STORAGE

## 12.H

Look at the number near the bottom of display 35. Is the number greater than 7?

YES



Will you be installing the Main Storage feature?

YES



You can continue with setup. However, the main storage card in your computer has seven or more defective 2K segments. Do the following:

1. Record on Form C4 the number you see on display 35.
2. After setup, call IBM and report the defective main storage card.
3. Go to **8.40**.

NO



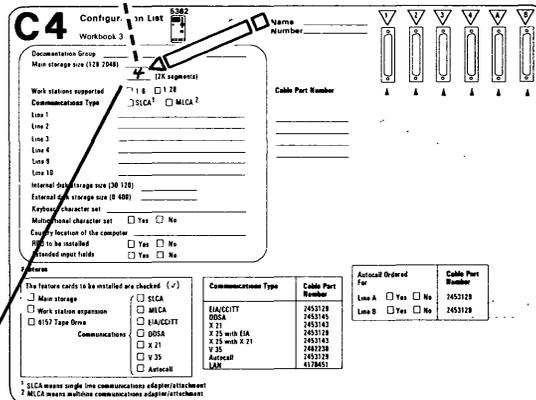
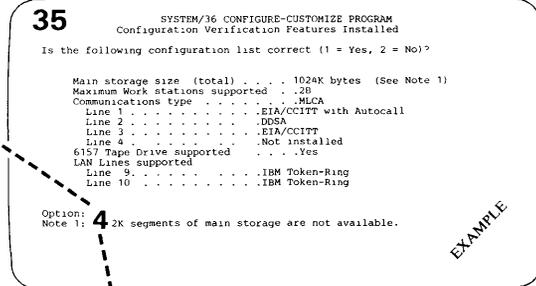
You can continue with setup. However, the main storage card in your computer has defective 2K segments. Do the following:

1. After setup, call IBM and report the defective main storage card.
2. Go to **8.40**.

NO



You cannot continue with setup. Call your service representative and report the problem.



## 9332 DISK UNIT NOT DETECTED

### 12.1

Do the following for each 9332 Disk Unit that is not shown on display 41:

1. Make sure each disk unit is plugged into an outlet.
2. Make sure the Power switch on each disk unit is set to the On position.
3. Check the disk unit address setting to make sure the first disk is set to 0 and the second disk is set to 1. If the address is not correct, do the following:
  - a. Turn off each disk unit not displayed correctly on display 41.
  - b. Set the correct address.
  - c. Turn on each disk unit.
4. Check the terminator (make sure it is connected to the correct outlet and that the connection is tight).
5. Check both signal cable ends (make sure the cables are connected to the correct outlets and that the connection is tight).
6. Go back to **8.7** .
7. If the problem still exists, contact your hardware service representative.

## IBM TOKEN-RING ADAPTER(S) NOT DETECTED

12.J

Do the following for each IBM Token-Ring adapter that is not shown on display 35:

1. Power off the 5362 System Unit.
2. Power off the Personal Computer AT.
3. Check both ends of the signal cable (make sure the cable is connected to the correct ports and that the connection is tight).
4. Make sure that the switches on the IBM Token-Ring adapters are set correctly.
5. Power on the Personal Computer AT. Do not use any diskettes in the diskette drives.
6. Go back to **8.7**.
7. If the problem still exists, contact your PC hardware service representative.

12.K

Note 3 designates an error condition. Call your IBM Service representative.

```
02          SYSTEM/36 CONFIGURE-CUSTOMIZE PROGRAM
          Configuration Verification

Is the following configuration list correct ? (1 = Yes, 2 = No)
          See Note 1

Documentation group . . . . . United States
Keyboard Character Set . . . . . United States
Multinational Character Set . . . . . No
Computer Location . . . . . Other (See Note 2)
RPQ to be installed . . . . . No
Extended input fields . . . . . No
Internal Disk storage size . . . . . 30M bytes
External Disk storage size . . . . . 000M (See Note 3)

Option: _
Note 1: Features installed will appear when option 1 is chosen.
Note 2: Country other than Canada, Japan, or United States.
Note 3: External disk requires a minimum of 60MB internal disk.
```



EXAMPLE

## Display Station Keyboard

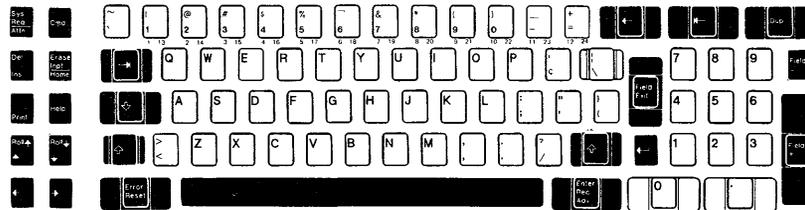
The display station keyboard contains several types of keys. The following description describes only those keys you will use during checkout.

### Character Keys

Character keys (shown in white) are used in the same way as the character keys on a typewriter. You use character keys to enter information into the computer.

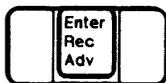
### Function Keys

Function keys (shown in black) perform operations that control the display station and the computer. You will only use a few of these keys.



This section contains some basic computer operating information for those of you who are new to data processing. Operating the computer is easy to do.

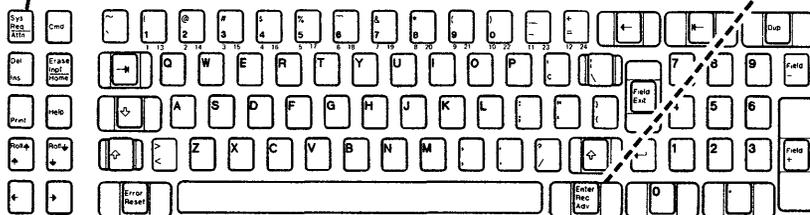
■■■■■▶ Section 13 Continued



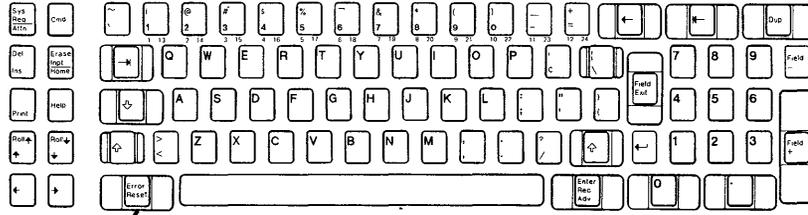
**Enter Key:** This key tells the computer that you are ready to send data or tell the computer to display the next prompt or menu (these will be explained later).



During the checkout procedure, you will be using the Attn key to return to the beginning of the checkout program.



*Section 13 Continued*



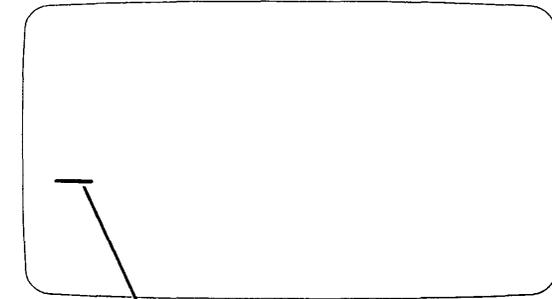
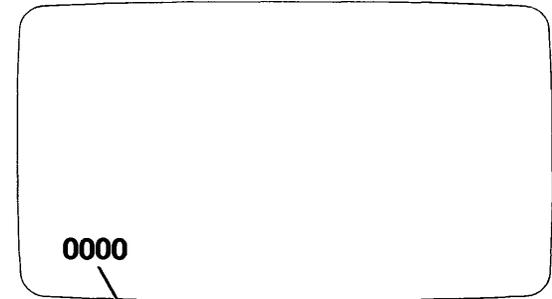
**Error Reset Key:** If you make a mistake and a system reference code appears on the display screen, don't worry. The Error Reset key allows you to start again. Instructions within the setup procedure tell you what to do when an error occurs.

### Display Screen

Each machine that has a keyboard also has a display screen that looks like a television screen. Sometimes you can use the keyboard to give instructions to the computer by filling in blanks on the display.

The dash (—) or vertical bar<sup>1</sup> (|) that appears on the display screen is called a cursor. It indicates where the next character or number that you type in is displayed.

<sup>1</sup>The vertical bar is also called a blob in some setup manuals.



*Section 13 Continued*



## Menus and Prompts

A menu is a displayed list of options as shown in the following example:

```

01          SYSTEM/36 CONFIGURE-CUSTOMIZE PROGRAM
          DOCUMENTATION GROUP SELECTION MENU

SELECT ONE OF THE FOLLOWING OPTIONS AND PRESS THE ENTER KEY.

1. \STERREICH/DEUTSCHLAND      10. pt (pt )
2. BELGIE (VLAAMS)            11. NEDERLAND
3. BELGIQUE (FRANCAIS)       12. NORGE
4. CANADA (FRANCAIS)         13. PORTUGAL
5. DANMARK                    14. ESPA#A
6. SUOMI                      15. HABLA ESOA#OLA
7. FRANCE                    16. SVERIGE
8. ITALIA                    17. UNITED KINGDOM
9. JAPAN (ENGLISH)          18. UNITED STATES

OPTION: _

```

*EXAMPLE*

A prompt is a request for you to enter information or to perform some other action. For example, the following prompt explains something about what the computer is doing. It also requests that you press the Enter key after reading the explanation in the prompt.

```

61          SYSTEM/36 CHECKOUT PROGRAM
          Work Station

Compare the following with your local work station diagram.

  0   1   2   Address   3   4   5   6   Port
  D . . . . . | 0
  D . . D . . | 1
  D . . P . . | 2
  D . . . . . | 3

D = Display station
P = Work station printer

This shows all correctly installed work stations at this time.

Press the Enter key to continue/update.
Press the Attn key to return to selection menu.

```

*EXAMPLE*



Section 13 Continued



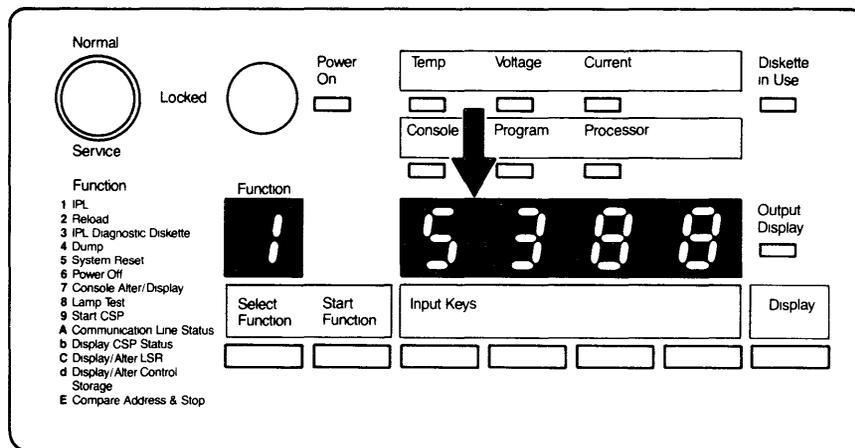
Also, each display (menu or prompt) has an identification number. This is how you can identify one display from another.

### System Reference Code

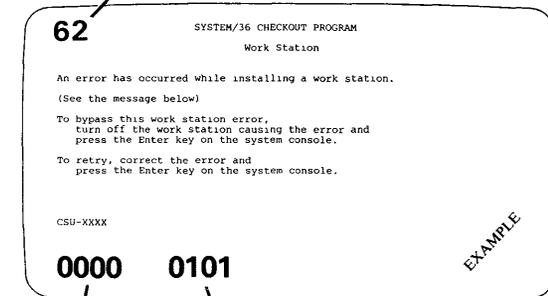
The computer displays a system reference code to tell you something about the operation of the computer. The reference code can appear at the bottom of the screen on the system console or on the computer output display.

Instructions for responding to a system reference code are explained in **12.F**.

### System Reference Code on the Computer Output Display



Display 62  
Identification Number



Ignore numbers you might see here.

The system reference code displayed at the system console always appears in the lower left position of the display screen.



Section 13 Continued



### What to Do If a Machine Does Not Work

Sometimes machines will not work. If you discover that the computer does not work, you will not be able to continue with the system checkout procedure. You should call your hardware service representative if a display station or printer does not work. Instructions within the checkout procedure tell you what to do.

Return to **1.9** .

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