


Setting  
Up  
Your  
Computer 5362

 System / 36



Title: Setting Up Your Computer

Order number: SA21-9487-0

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#### FINDING INFORMATION

Y N Is the table of contents helpful?  
What would make it more helpful?  
\_\_\_\_\_

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List specific terms that are missing.  
\_\_\_\_\_

Y N Are the chapter titles and other headings meaningful?  
What would make them more meaningful?  
\_\_\_\_\_

Y N Is information organized appropriately?  
What would improve the organization?  
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Y N Does the manual refer you to the appropriate places for more information?  
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Y N Is the purpose of this manual clear?  
What would make it clearer?  
\_\_\_\_\_  
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Which topics are unclear?  
\_\_\_\_\_  
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Which examples are unclear?  
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Y N Are examples provided where they are needed?  
Where should examples be added or deleted?  
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Y N Are terms defined clearly?  
Which terms are unclear?  
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\_\_\_\_\_

Y N Are terms used consistently?  
Which terms are inconsistent?  
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Y N Are the illustrations clear?  
Which ones are unclear?  
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What information is inaccurate?  
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What information is missing?  
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\_\_\_\_\_

Y N Is only necessary information included?  
What information is unnecessary?  
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\_\_\_\_\_

Y N Are the examples useful models?  
What would make them more useful?  
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What would make the format more effective?  
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\_\_\_\_\_

#### OTHER COMMENTS

Use the space below for any other opinions about this manual or about the entire set of manuals for this system.  
\_\_\_\_\_  
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#### YOUR BACKGROUND

What is your job title?  
\_\_\_\_\_

What is your primary job responsibility?  
\_\_\_\_\_

How many years have you used computers?  
\_\_\_\_\_

Which programming languages do you use?  
\_\_\_\_\_

How many times per month do you use this manual?  
\_\_\_\_\_

Your name \_\_\_\_\_

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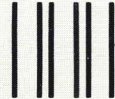


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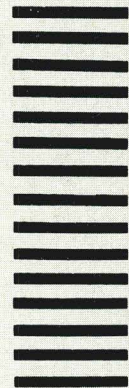


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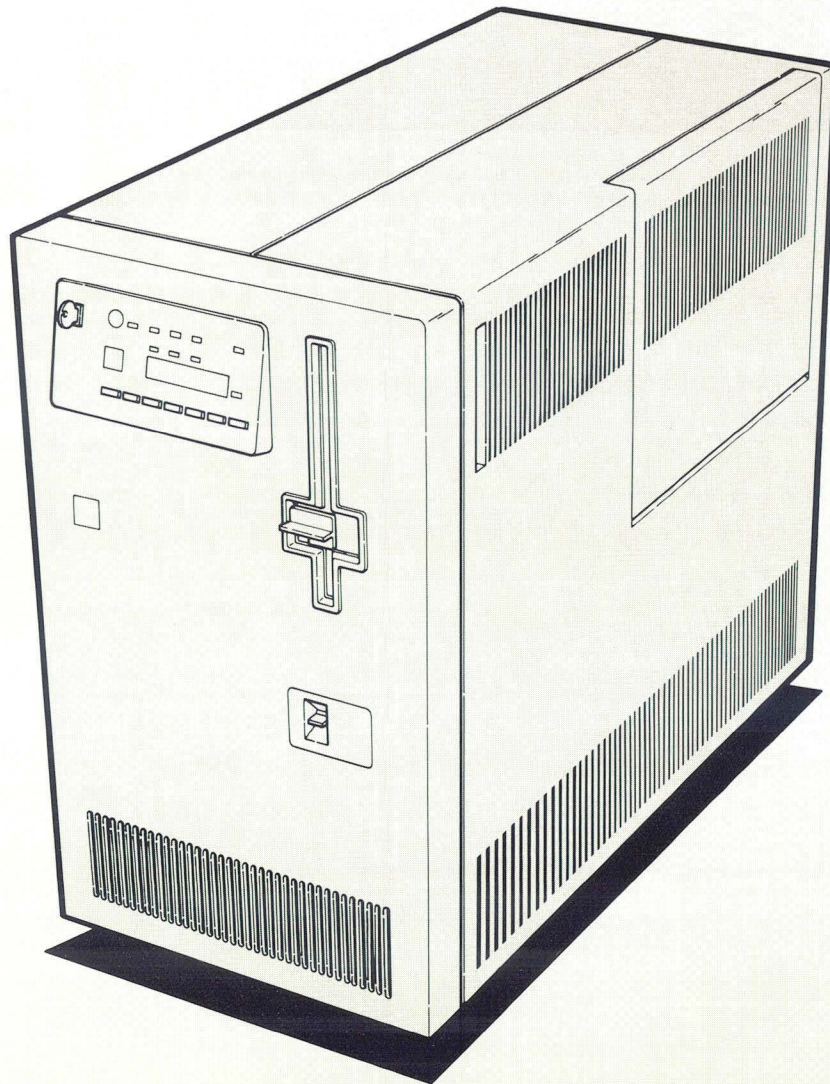
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**IBM** System/36

**Setting Up Your Computer**



File Number  
S36-00

Order Number  
SA21-9487-0



**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.*

### **First Edition (April 1984)**

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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 7 present the steps required to set up and configure System/36. Section 8 contains information for relocating the system. Section 9 lists the instructions for responding to system reference codes and indicators during setup and checkout. Section 10 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.

## 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.





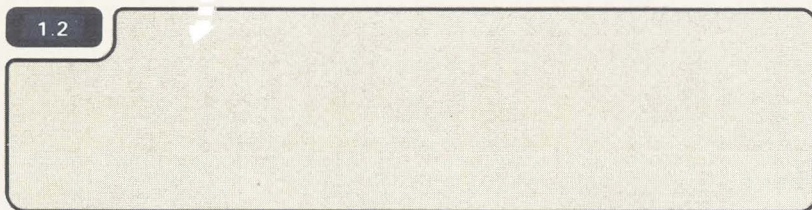
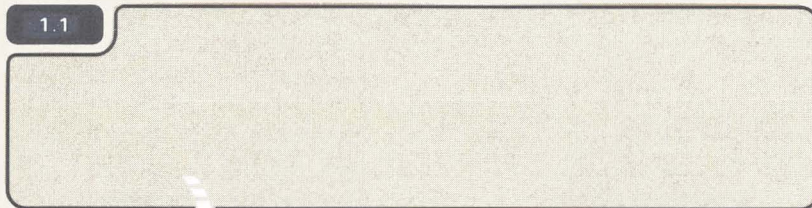


## How to Use This Manual

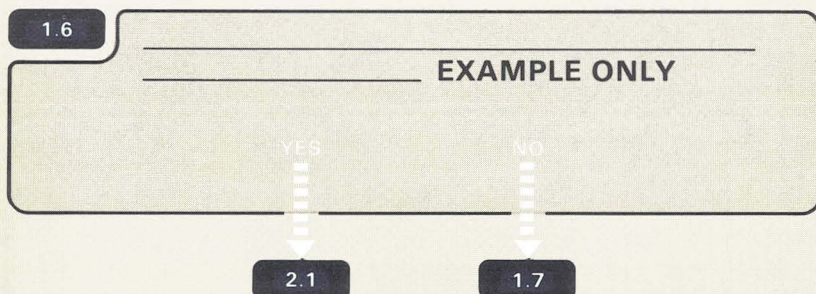
Each step that you perform is identified with two numbers. The first number identifies the section and the second number identifies the step within that section.



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

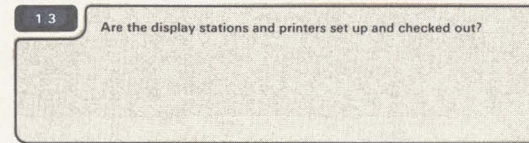


Some steps will ask you questions. Depending on how you answer the question, you might not always go to the next step, as shown in the example.



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


### Additional Information for 1.3





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

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.**

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.

1.4

Are the grounded electrical outlets installed?

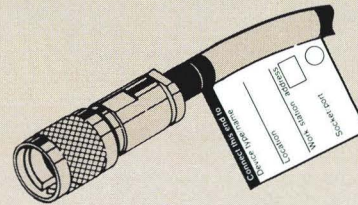
The power plug on your computer is approved for use with this device and meets the laboratory or test-house standards. For your safety, the power cord plug must be connected to a properly wired and grounded outlet. An improperly wired outlet can be hazardous on accessible metal parts of this computer.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

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



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

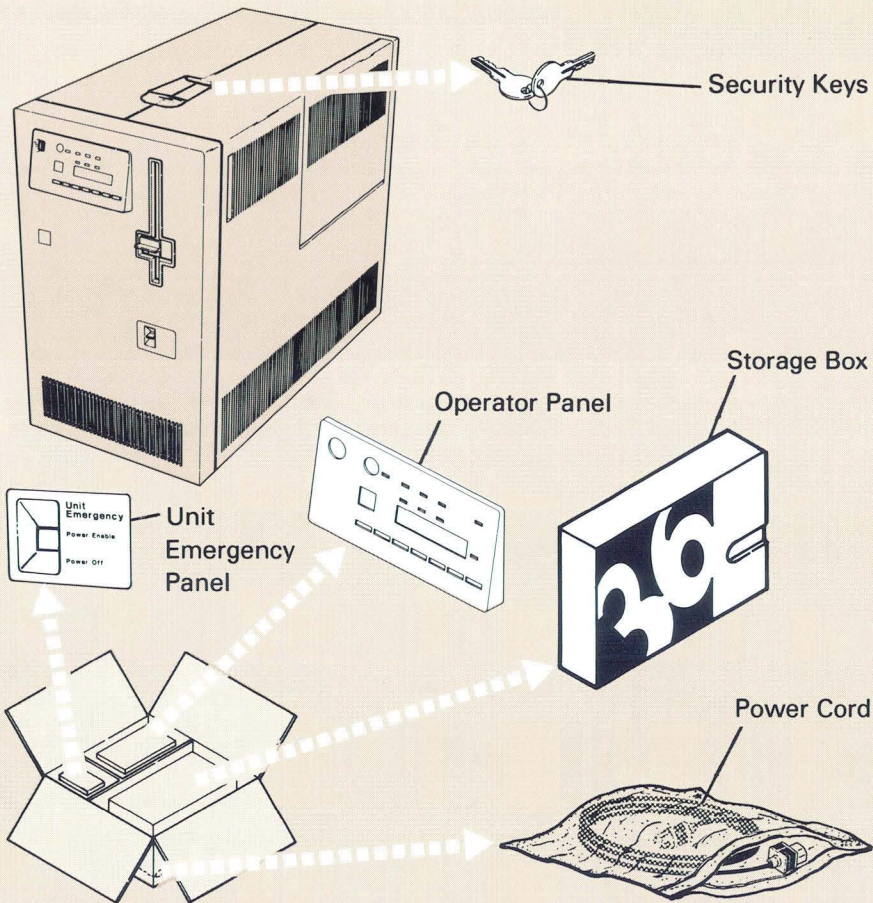
- Do you have completed copies of Forms C1, D, and F?

Three forms are shown. Form C1 is titled 'Configuration List' and includes fields for 'Customer Name' and 'Customer Number'. Form D is titled 'Local Floor Plan' and features a grid for drawing a floor plan. Form F is titled 'Local Work Station Diagram' and shows a diagram of a workstation layout with numbered components (0-6) and their connections.

Forms C1, D, and F are part of the *Forms for Planning*, SA21-9480. The forms should have been completed using Workbook 3, *Planning to Set Up Your Computer*, SA21-9476.



1.7



Did you receive the above items with your new computer?

YES

NO

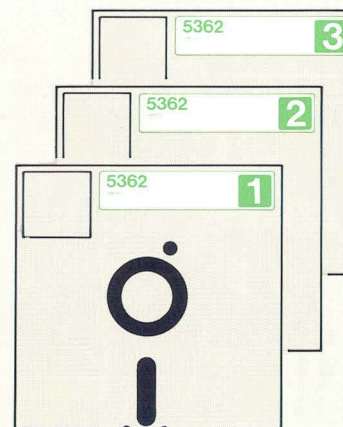
1.8

Call your IBM marketing representative and report the problem.

Part of the setup box contains items that you must have to set up the computer. These are shown. The remaining portion of the customer box is for the system features, such as communications. If you see a feature package in that area of the box, leave it there for now. Later instructions will tell you when to open the package.

**IMPORTANT:**

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



1



1.8

Are you familiar with data processing and computers?

YES

NO

1.9

**Go to Section 10.**  
*Basic Computer  
Operating Information.*



1.9

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

YES

NO

NOT SURE

2.1

1.10

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*, SBOF-4778.

1



- **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:**

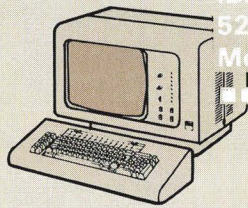

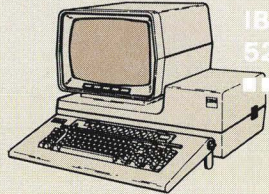

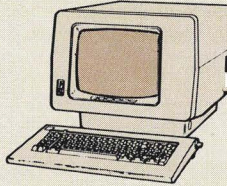

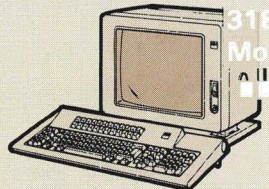

1. When you set up a display station or printer (using the setup manual for that device), perform only the basic setup task for that device. Basic setup means connect the keyboard cable to the display station, plug in the power cord plug, and so on.

*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.

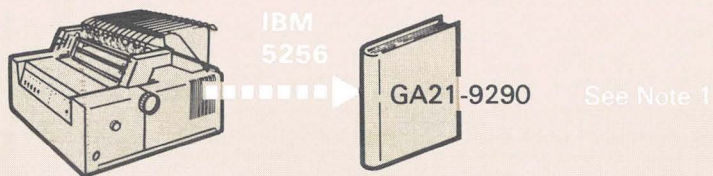
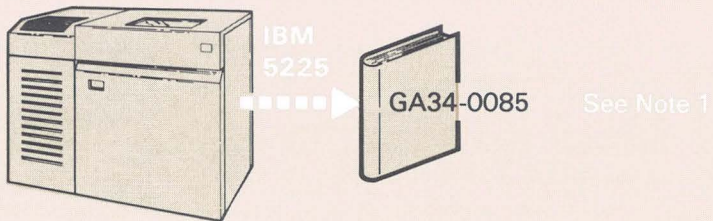
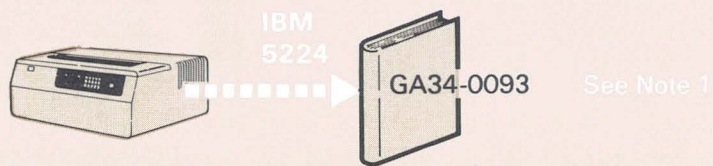
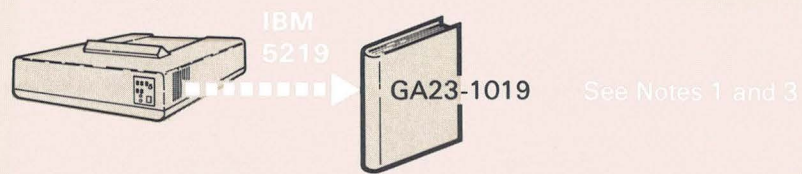
*The above four tasks will be performed by you later in this manual.*

2. The 5551 system unit and 5555 Display are set up together using the *5550 System Setup Instructions, GA18-2166*.
- **When you have set up all of your display stations and printer(s), return to this manual, and go to **2.1**.**

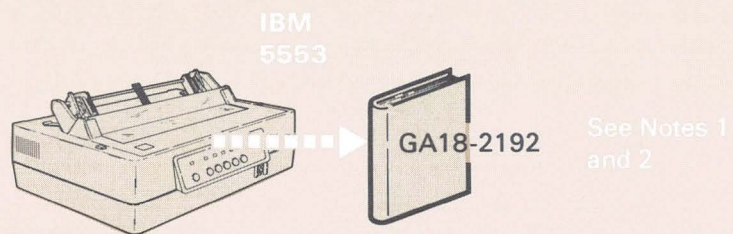
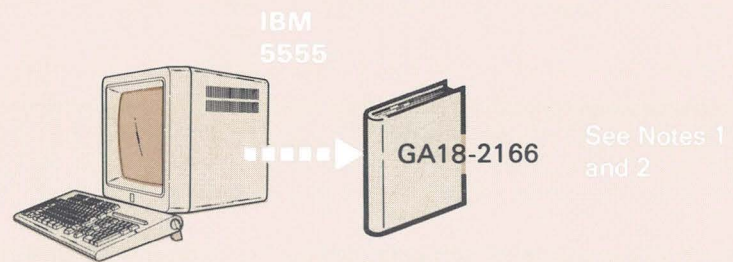
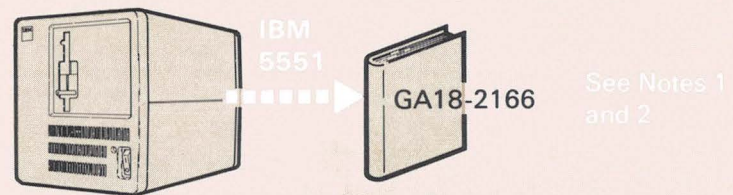
Device	Manual	Tasks to Complete
 <p>IBM 5251 Model 11</p>	 <p>GA21-9286</p>	See Note 1
 <p>IBM 5291</p>	 <p>GA21-9408</p>	See Note 1
 <p>IBM 5292</p>	 <p>GA21-9415</p>	See Note 1
 <p>IBM 3180 Model 2</p>	 <p>GA21-9469</p>	See Note 1



**Device**                      **Manual**                      **Tasks to Complete**



**Device**                      **Manual**                      **Tasks to Complete**









## Section 2. Setting Up Your Computer

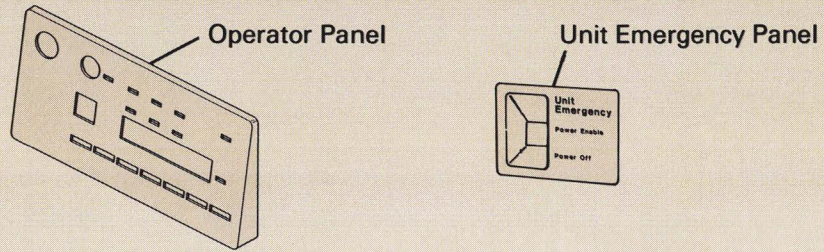
Before you begin Section 2, make sure you have:

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



2.1

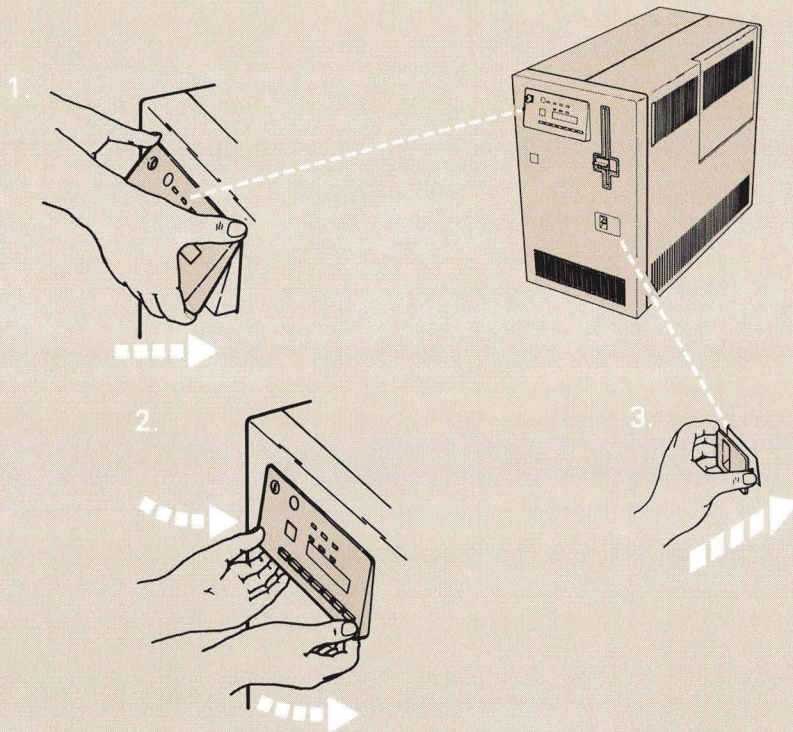
Find the panels.



The panels are in the setup box.

2.2

Push the panels in place.



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.

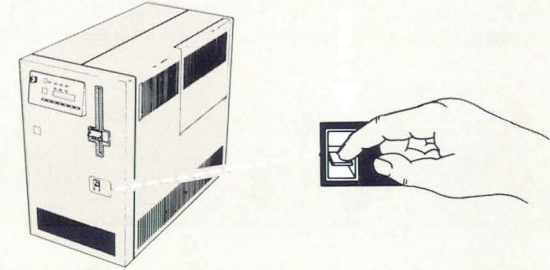


2.3

Remove the power cord and read the additional information.



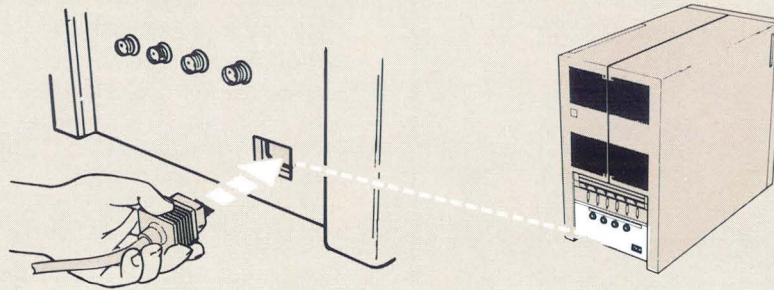
Before you insert the plug, make sure the Unit Emergency switch is set to the Power Off position.



2

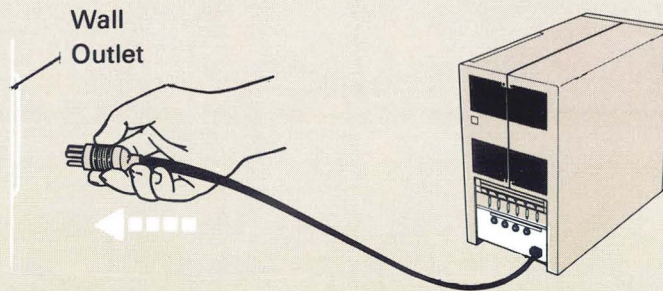
2.4

Insert the power cord into the computer.



2.5

Plug in the power cord.



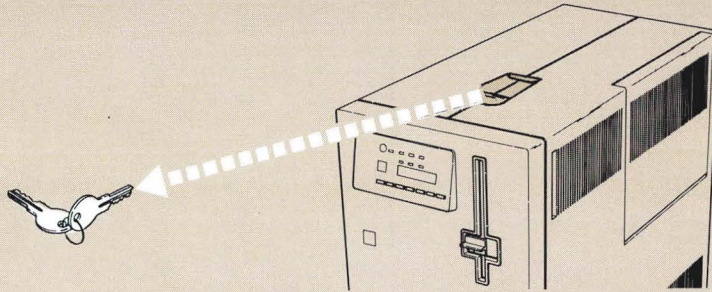
**For World Trade Countries:**

If the power cord does not fit the socket, do the necessary changes in accordance with your local safety regulations.



2.6

Find the security keys. (One key is a duplicate.)

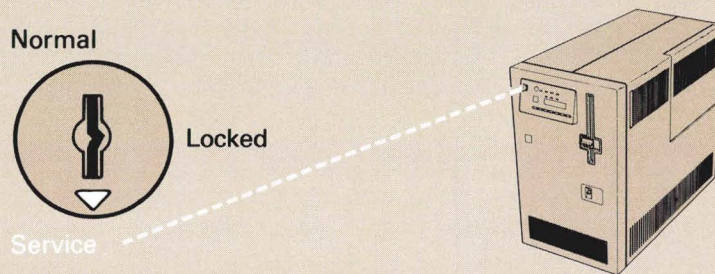


IMPORTANT: Record the key number here

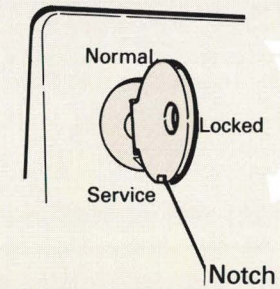
Be sure to separate the keys. Insert one in the computer, and store the other in a safe place.

2.7

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 2.7. The security lock is in the Service position when the triangle ▽ and the notch in the key are pointing toward the Service position.



2.8

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

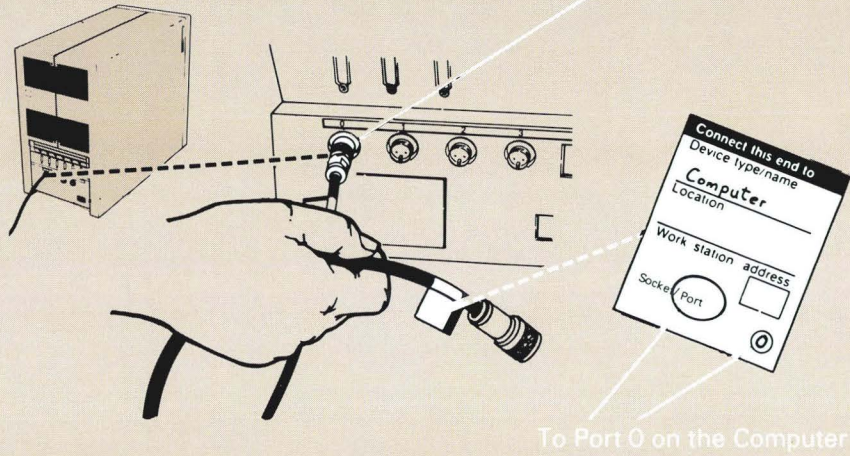


## Section 3. Connecting the Cables to the Computer



3.1

Find the work station cable that connects to port 0 on the computer.

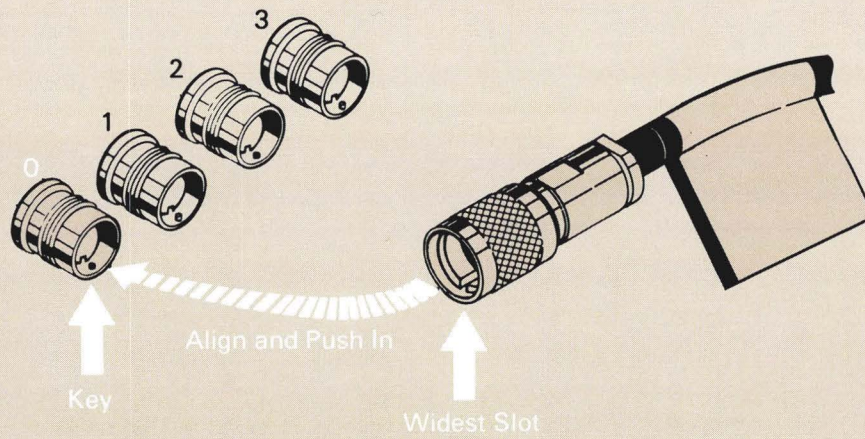


**CAUTION**

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

3.2

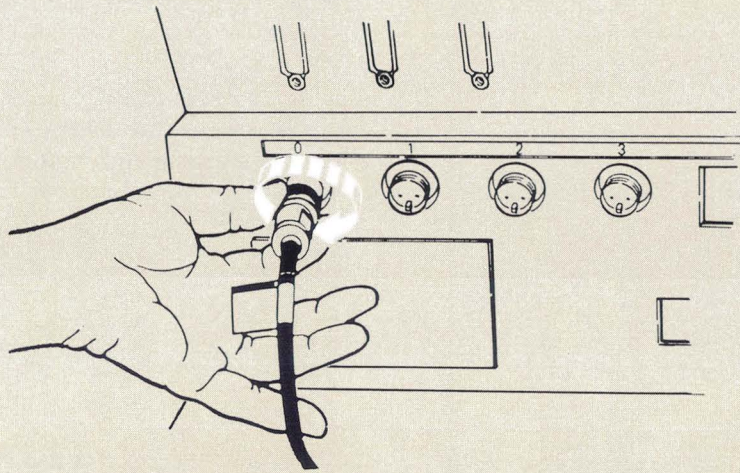
Align the widest slot in the cable connector to the key in the port.



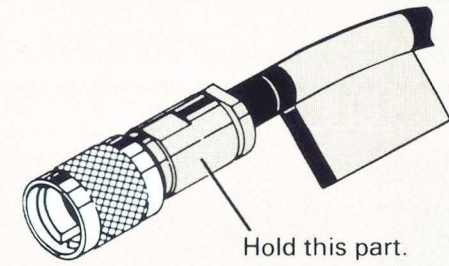


3.3

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



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

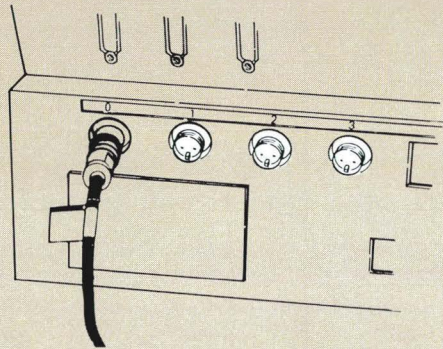


3



3.4

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



3.5

3.9

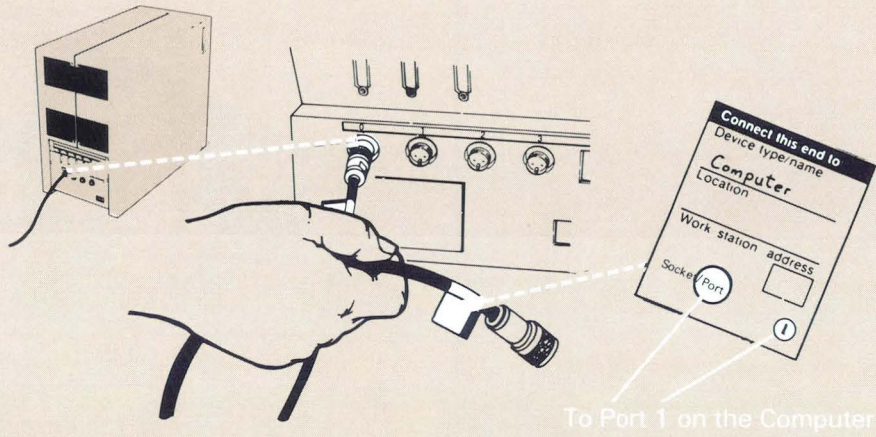
You can have as many as four work station cables attached to your computer. Use Form D or Form F to determine which cables connect to the ports.

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

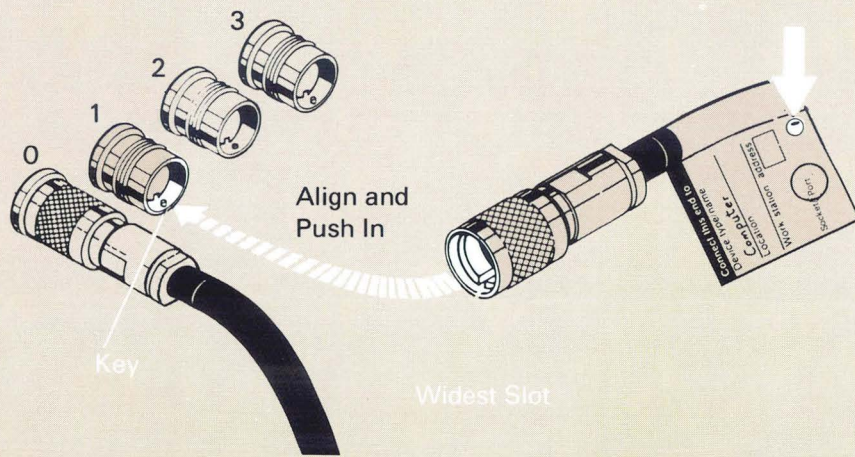
Find the work station cable that connects to port 1, 2, or 3 on the computer.



3

3.6

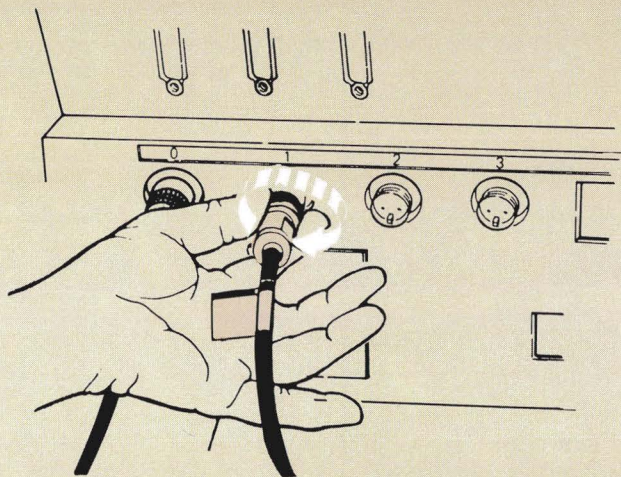
Align the widest slot in the cable connector to the key in the port.



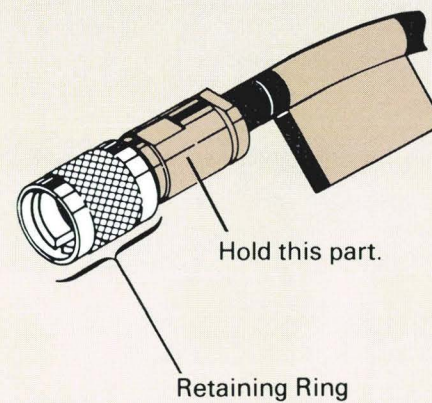


3.7

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



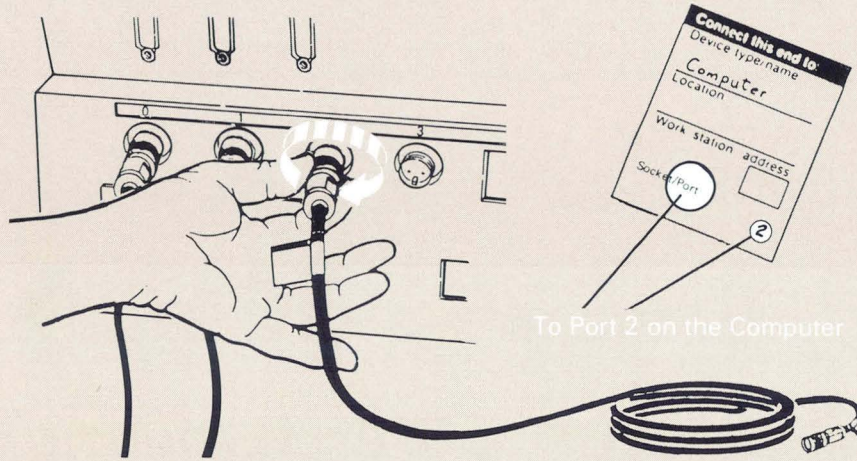
The part of the cable connector that turns is the retaining ring.





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

3.9

Go to Section 4, *Connecting the Cables to Your Display Stations and Printers.*







## Section 4. Connecting the Cables to Your Display Stations and Printers



#### 4.1

Select the device you are going to work with.

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

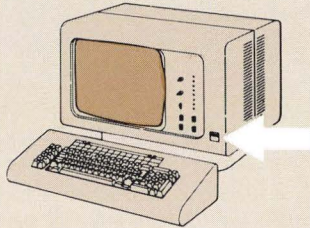
Use Forms D and F to guide you when selecting a device (a system console, display station, or printer).

You can identify a device by the picture shown here, or by the machine number located on each device. See the IBM 5291 in **4.2** for an example.

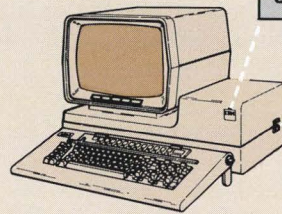
#### 4.2

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

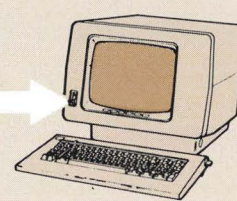
IBM 5251 Model 11



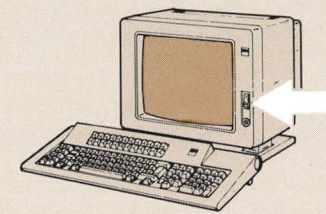
IBM 5291



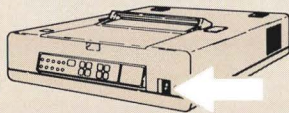
IBM 5292



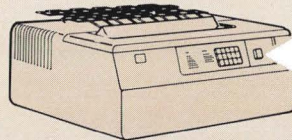
IBM 3180 Model 2



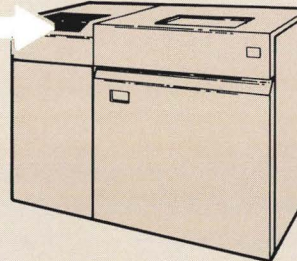
IBM 5219



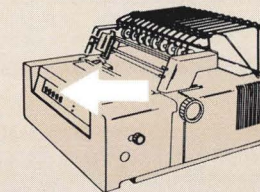
IBM 5224



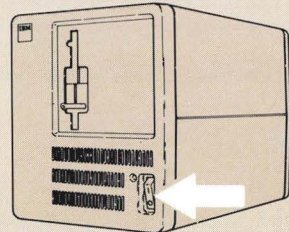
IBM 5225



IBM 5256



IBM 5551 System Unit



**Note:** The IBM 5551 System Unit is the device used to connect the 5555 Display and 5553 Printer to the computer.



4.3

Find socket 1 on the device you are working with.

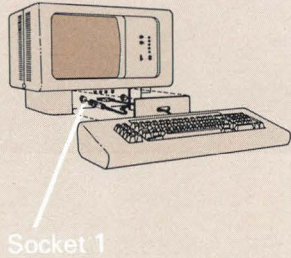
Socket 1 is where you will connect the cable.

**CAUTION**

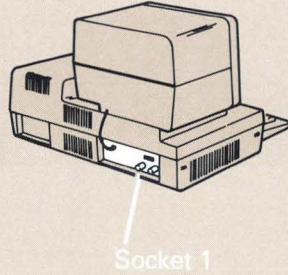
Avoid connecting cables during an electrical storm.

The IBM 5256, 5224, and 5225 work station printers have arrows instead of numbers to indicate sockets 1 and 2.

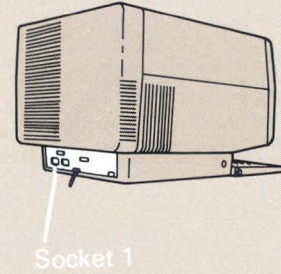
IBM 5251 Model 11



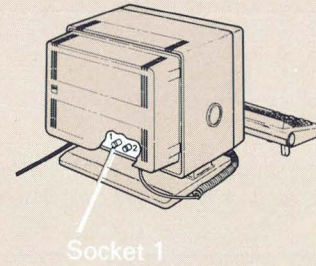
IBM 5291



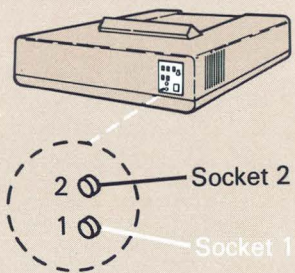
IBM 5292



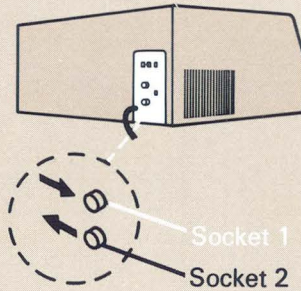
IBM 3180 Model 2



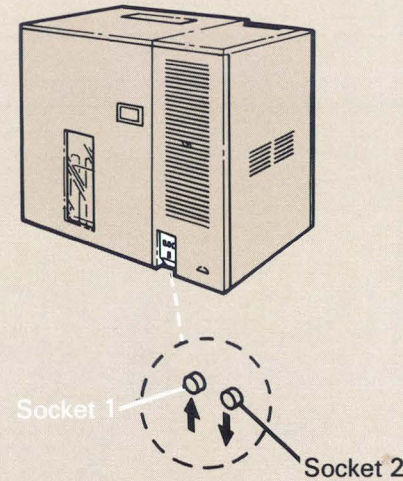
IBM 5219



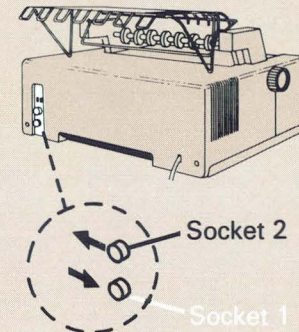
IBM 5224



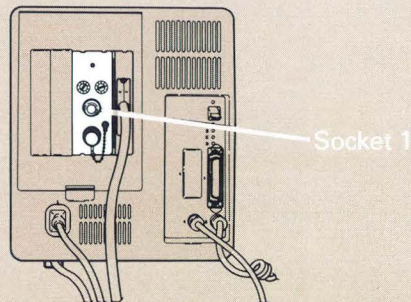
IBM 5225



IBM 5256



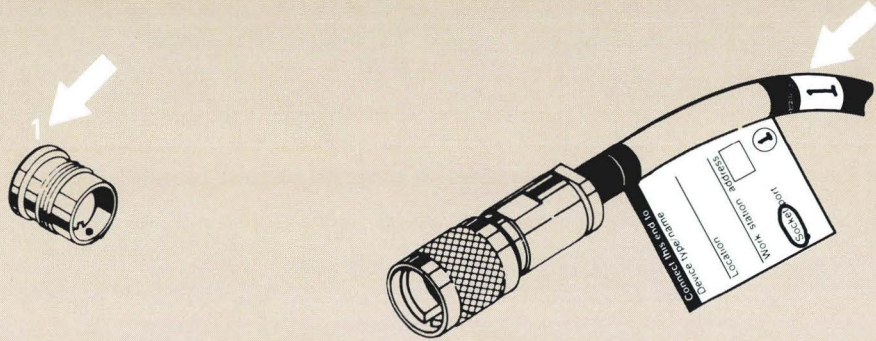
IBM 5551 System Unit





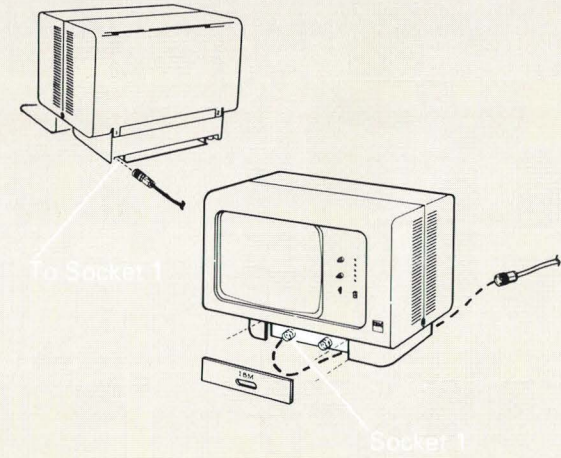
4.4

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



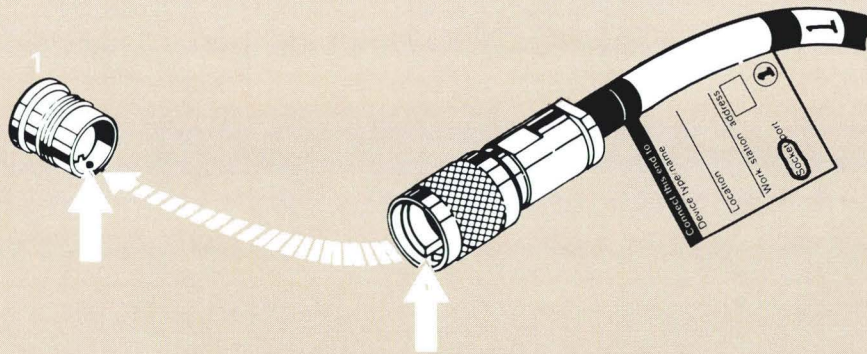
**IMPORTANT:** If you are working with a 5251 Model 11 display station, see the additional information.

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

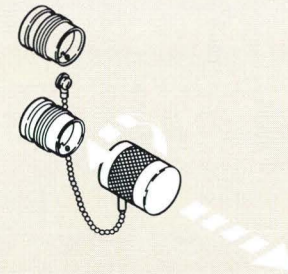


4.5

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



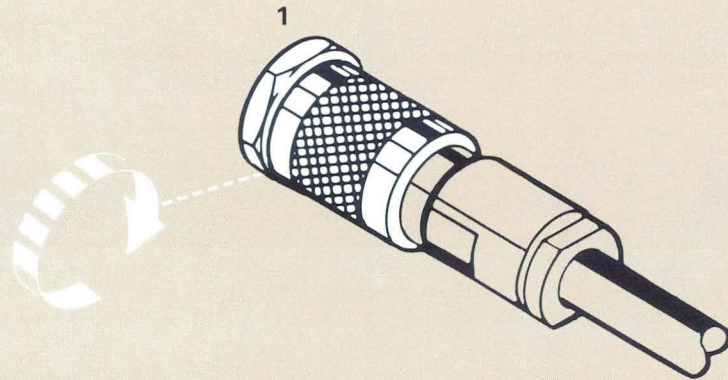
On the 5551 System Unit, remove the Terminator connector before attaching the cable.





4.6

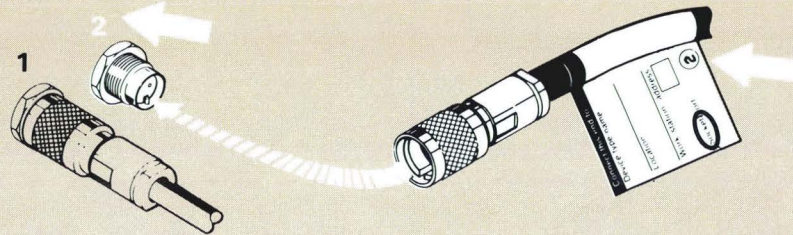
Push in, hold, and turn the retaining ring until it is tight.



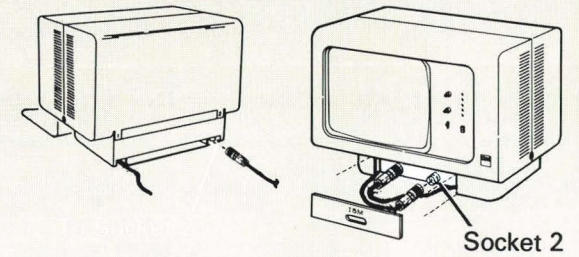


4.7

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



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

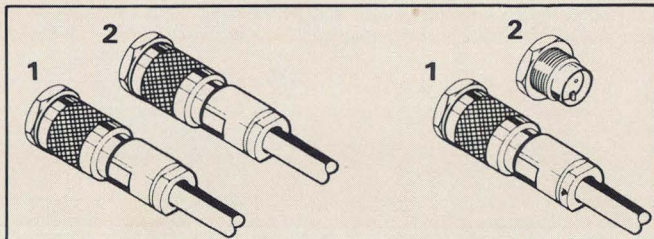


The 5551 System Unit always has two sockets. Go to **4.9** .

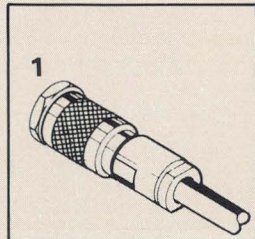


4.8

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



OR

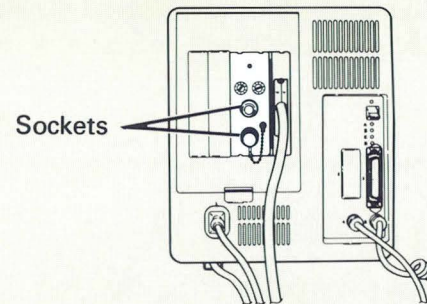


If the device has two sockets

If the device has one socket

4.9

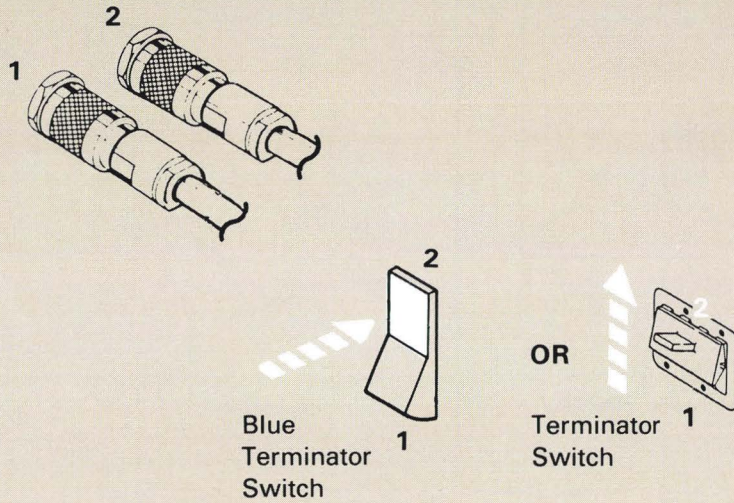
4.10



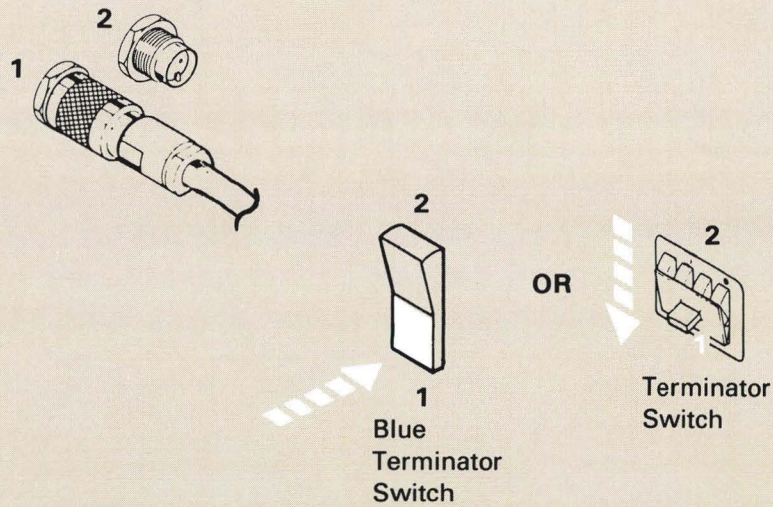
4



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

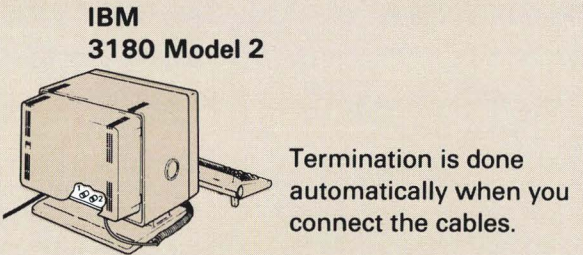
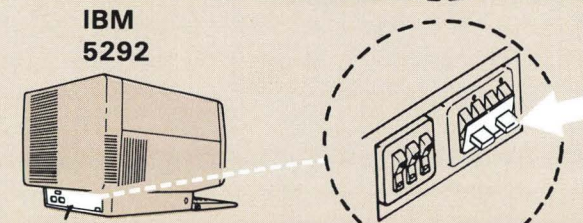
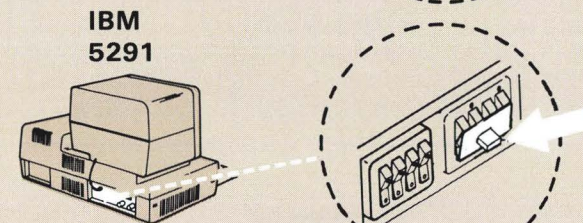
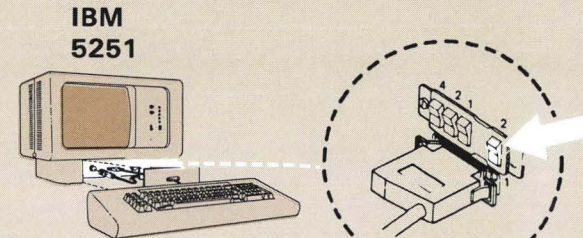


- Set the Terminator switch to 1 if one cable is connected.

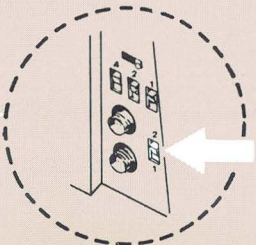
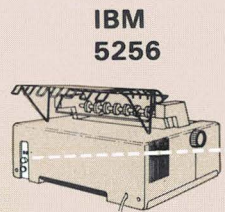
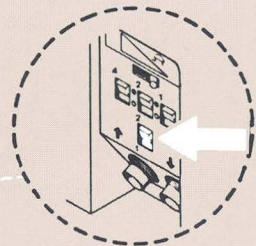
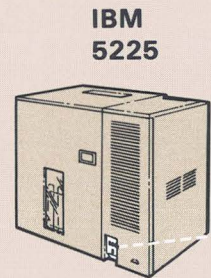
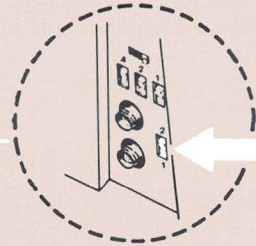
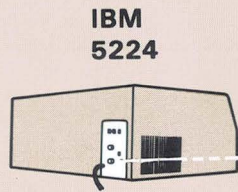
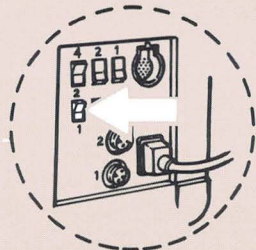


### Terminator Switch Location

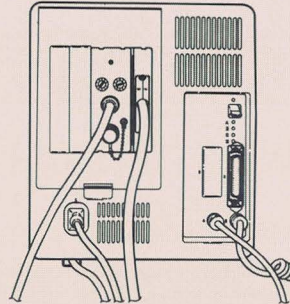
On the 5251 Model 11, 5219, 5224, 5225, and 5256 work stations, the Terminator switch is blue and is located near the sockets.







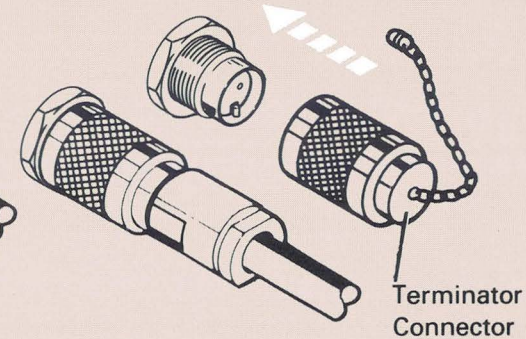
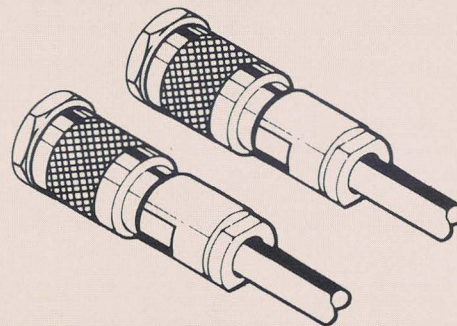
**IBM  
5551 System Unit**



The 5555 Display and 5553 Printer do not have Address or terminator switches. Addressing and termination is 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.



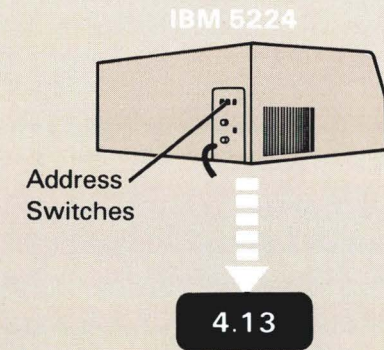
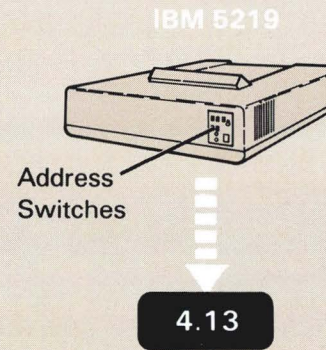
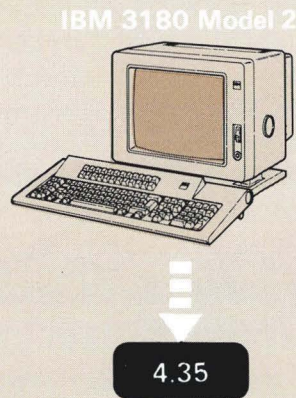
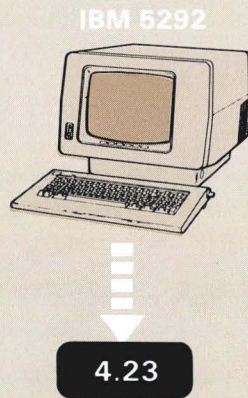
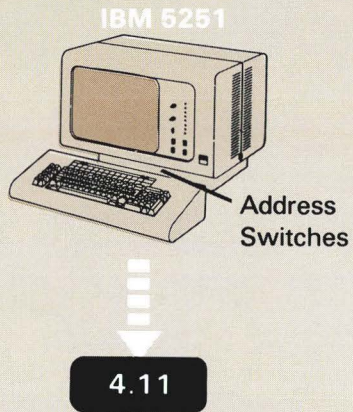
Terminator Connector

Japan



4.10

Find the device that matches the one you are working with, and go to the appropriate step.



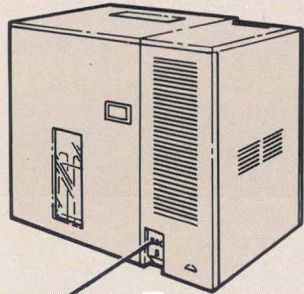
Each display station and printer must be assigned an address. All display stations and printers, except the IBM 3180 Model 2 and 5292 Color Display Station, are assigned addresses by setting address switches.

The address on the IBM 3180 Model 2 and 5292 Color Display Station is assigned by entering the address using the display station keyboard.

The Power switch on most work stations has two positions. The O equals off and the I equals on. Do not confuse the O or I on the Power switch with the addresses (0,1) found on Form F.



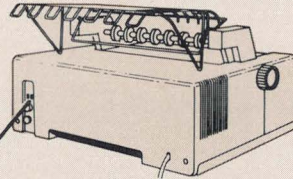
IBM 5225



Address Switches

4.12

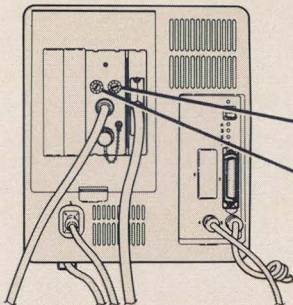
IBM 5256



Address Switches

4.12

IBM 5551 System Unit



Address Dial for the 5553 Printer

Address Dial for the 5555 Display

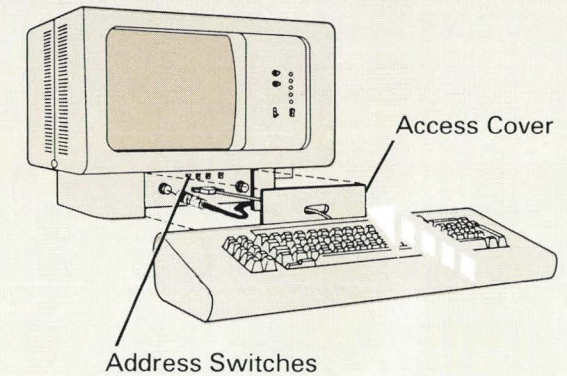
4.31



#### 4.11

- If the IBM 5251 Display Station has address switches, go to **4.13** .
- 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 **4.1** .
  - If you have connected all of the display stations and printers, go to Section 5, *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.

#### 4.12

- If the 5256 or the 5225 Printer that you are working with has address switches, go to **4.13** .
- If the 5256 or 5225 Printer does 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 **4.1** .
  - If you have connected all of the display stations and printers, go to Section 5, *Checking Out and Configuring Your Computer*.



4.13

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.

**D** Local Floor Plan

Customer Name \_\_\_\_\_  
Customer Number \_\_\_\_\_  
Worksheet 3

Display Station \_\_\_\_\_  
System Operator \_\_\_\_\_  
Telephone \_\_\_\_\_  
Address \_\_\_\_\_  
City, State \_\_\_\_\_

Page # of \_\_\_\_\_

1 cm = 39 mm  
1/8 in. = 3.2 mm

EXAMPLE

5251-11 00

0

1 2

Front

**F** Local Work Station Diagram

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

Worksheet 5, 6

Station 0

Station 1

Station 2

Station 3

Station 4

Station 5

Station 6

Name \_\_\_\_\_

Device Type \_\_\_\_\_

Location \_\_\_\_\_

Work Station Address

Display  Printer


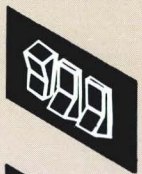




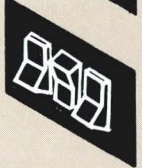
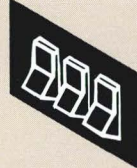
Telephone

2 1

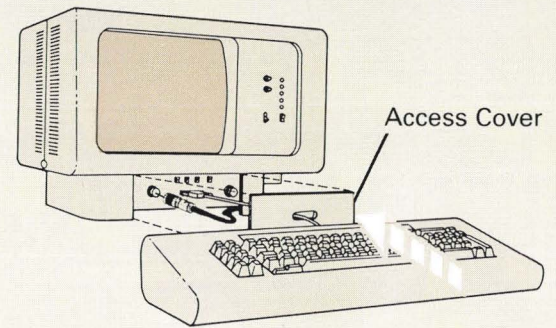


4.14

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

0 =		3 =		6 =	
1 =		4 =			
2 =		5 =		Invalid =	

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





4.15

Set the Power switch to I (On).

4.16

Have you connected all the display stations and printers?

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

YES

NO

Section 5. *Checking Out and Configuring Your Computer.*

4.1

4



4.17

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

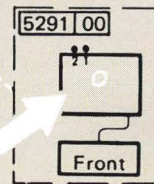
**D** Local Floor Plan

Customer Name \_\_\_\_\_  
 Customer Number \_\_\_\_\_  
 Worksheet 3

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

1 mm - 50 mil  
 1/8 in - 2 1/4 in

EXAMPLE



**F** Local Work Station Diagram

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

Worksheet 3, 4

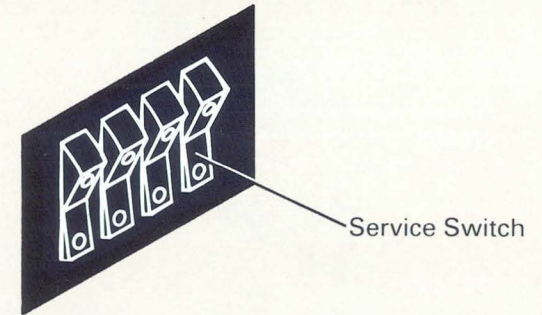
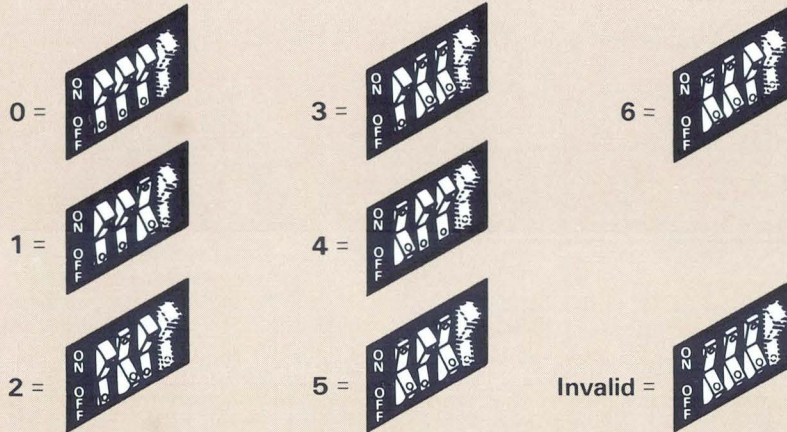
Name	Device Type	Location	Work Station Address
Display	Printer		0
1	2	3	4
5	6		

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



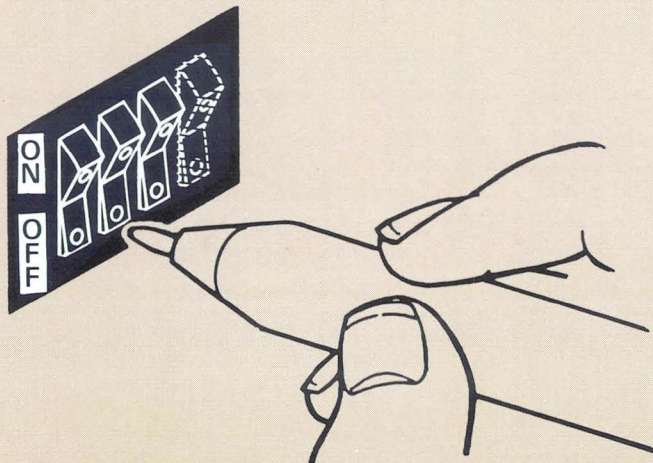
4.18

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



4.19

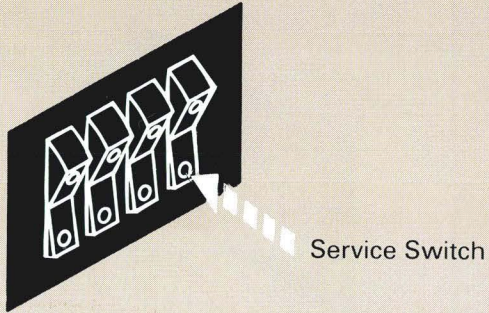
Using the switch setting in the above chart as a guide, use a ballpoint pen or pencil to set the switches.





4.20

Set the Service switch to Off.



The Service switch is used by your service representative.

4.21

Set the Power switch to I (On).

4.22

Have you connected all of the display stations and printers?

YES



*Section 5. Checking Out and Configuring Your Computer*

NO



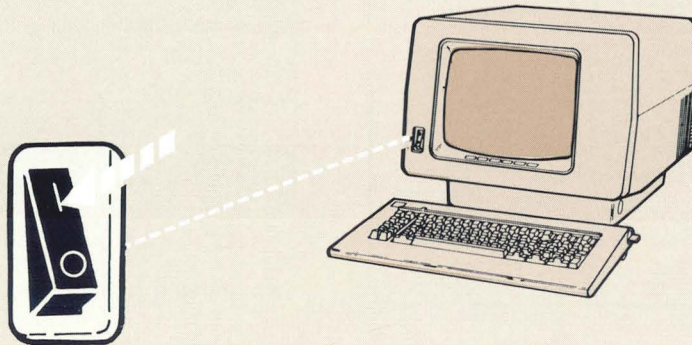
4.1

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



4.23

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

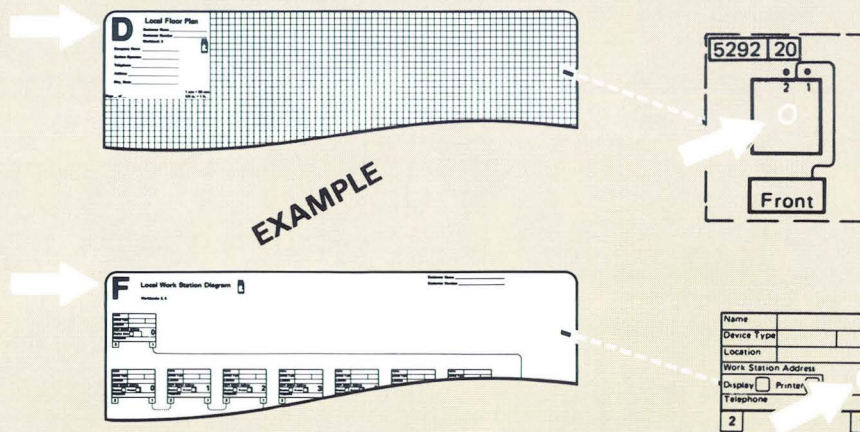


Make sure there are no objects resting on the keyboard.

4

4.24

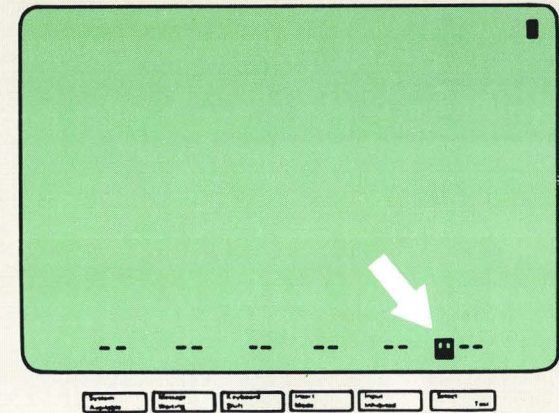
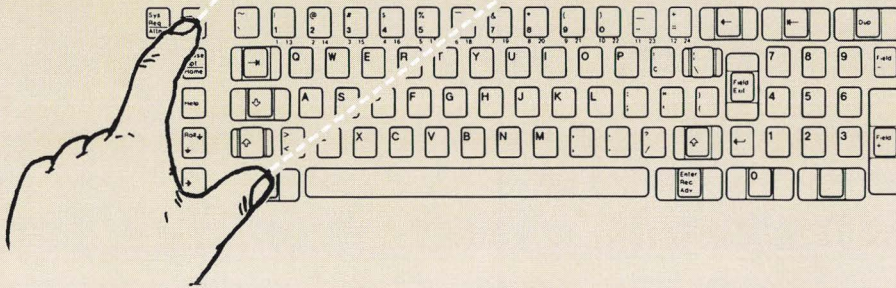
Look at Form D or F and find the address for the 5292 Display Station; it is a number 0 through 6.





4.25

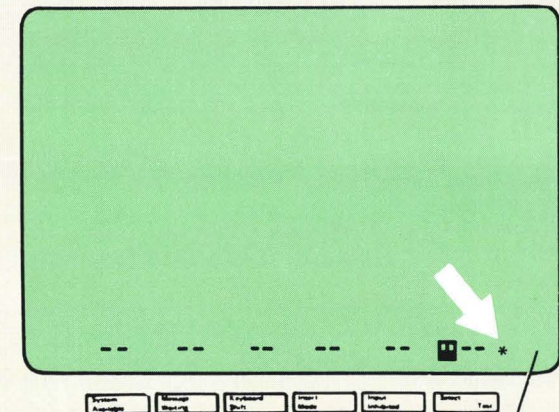
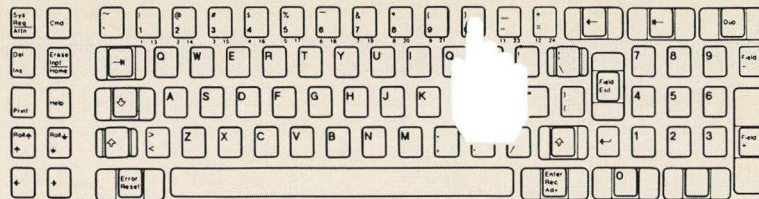
Press and hold **Cmd** key; then press **Error Reset** key. Now release



The above display appears.

4.26

Press the **0** key.




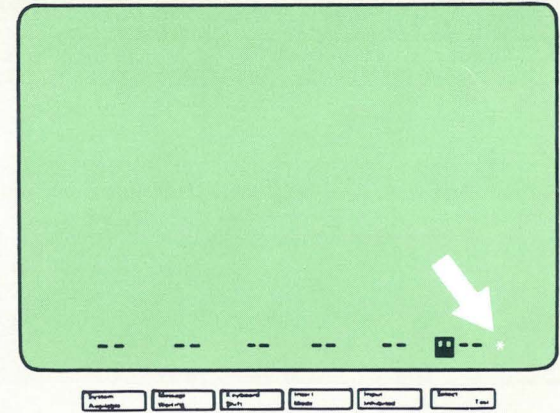
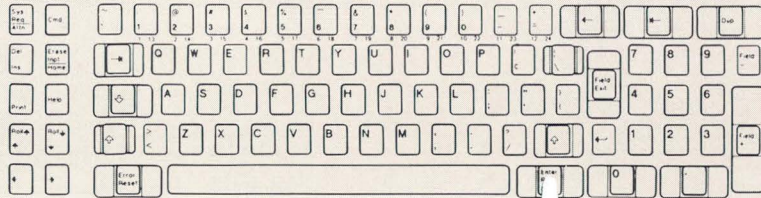
The Caution (\*) indicator appears.

Ignore the numbers that might appear here.



4.27


Press the  key.

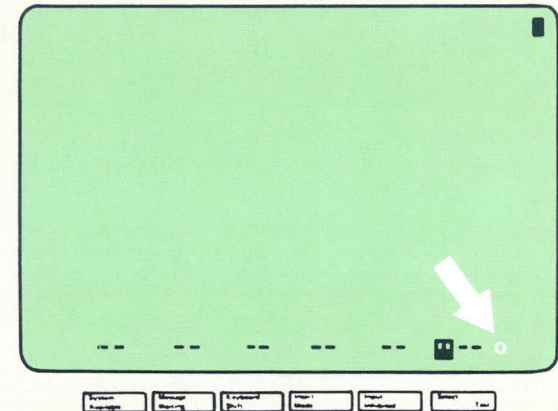


The address appears in place of the Caution (\*) indicator.

4

4.28


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).

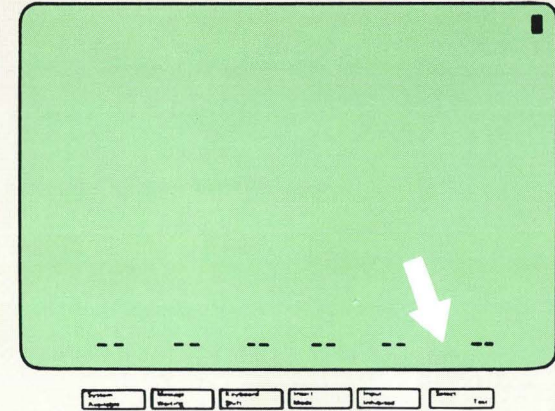



4.29

Press the  key to enter the address.



The address is now entered.



The Select Option indicator (  ) goes off.

4.30

Have you connected all of the display stations and printers?

YES

NO

Section 5. *Checking Out and Configuring Your Computer*

4.1

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 or 5553 Printer; it is a number 0 through 6.

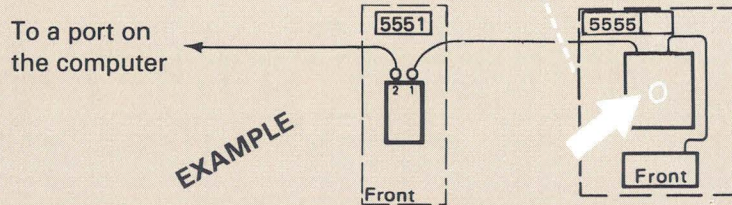
**D** Local Floor Plan

Customer Name \_\_\_\_\_  
 Customer Number \_\_\_\_\_  
 Worksheet # \_\_\_\_\_

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

Page # of \_\_\_\_\_

1 inch = 50 mm  
 1/4 in. = 5 mm



**F** Local Work Station Diagram

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

Worksheet # \_\_\_\_\_

Work Station # \_\_\_\_\_

Work Station # 0 1 2 3

Name Yutaka

Device Type 5555

Location ACCOUNTING

Work Station Address \_\_\_\_\_

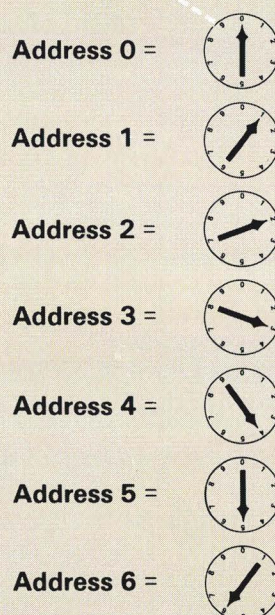
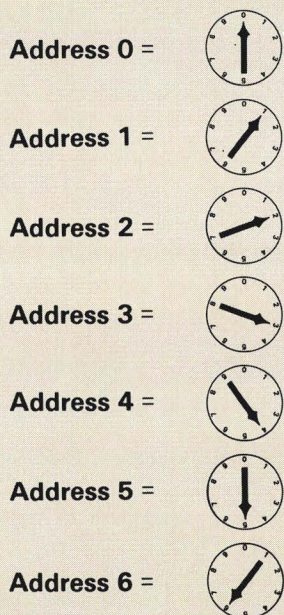
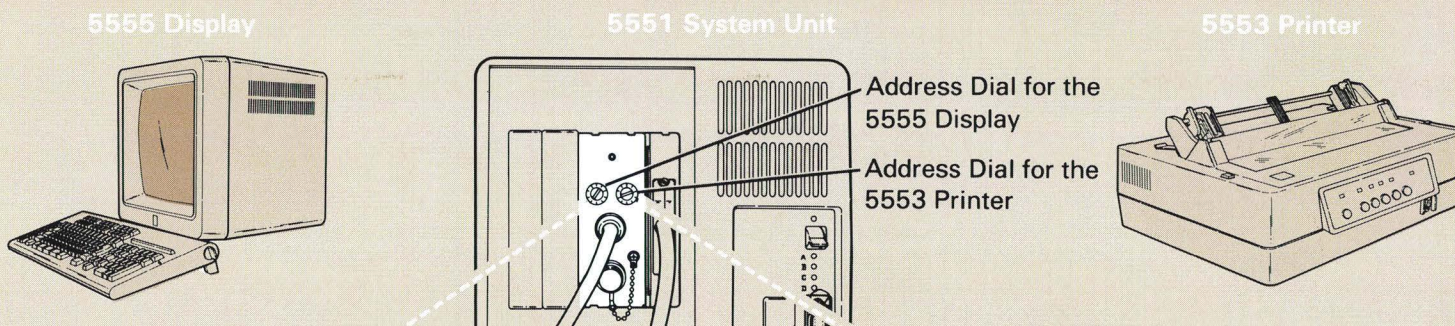
Display  Printer

Telephone 2 \_\_\_\_\_ 1



- 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 controller, 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 5551 controller, set the address dial to 9.





4.33

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

The 5555 Display does not have a Power switch.

4.34

Have you connected all the 5551 System Units?

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

YES

NO

Section 5. *Checking  
Out and Configuring  
Your Computer*

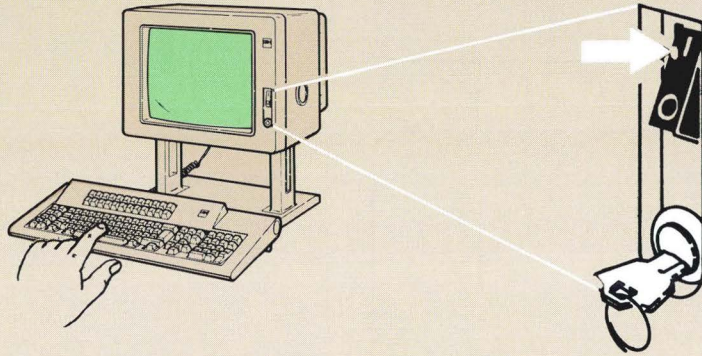
4.1

4



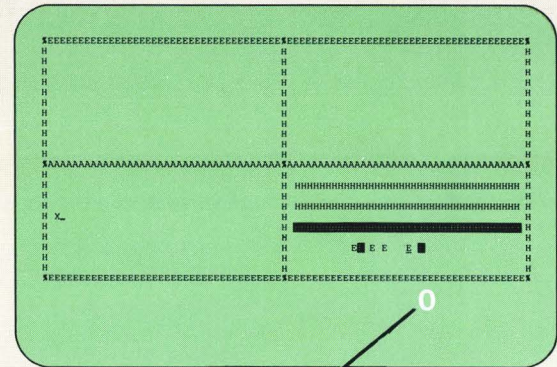
4.35

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



**Note:** If a 9012 error code appears on the bottom of the display, begin this section again.

Hold the key until the following display appears:

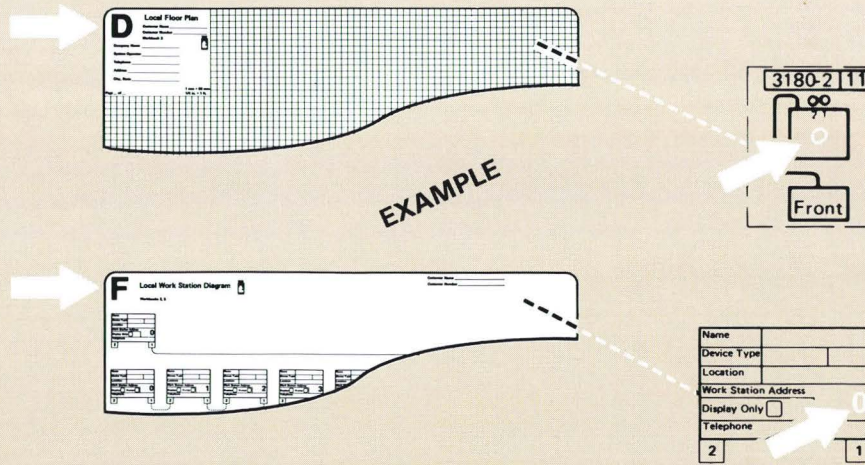


Display Station Address

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

4.36

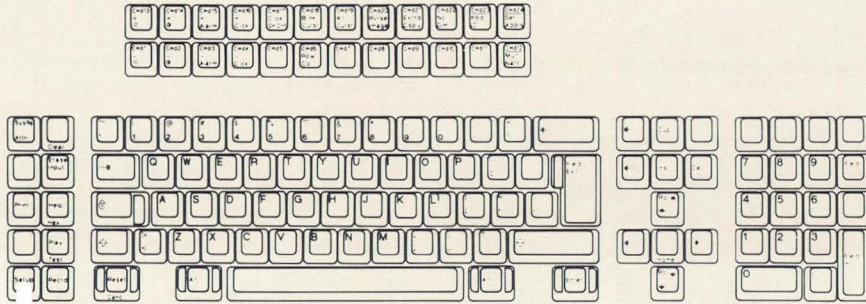
Look at Form D or F and find the address for the 3180 Display Station; it is a number 0 through 6.





4.37

Press the  key.




A blinking diamond appears on the bottom of the display.



4

4.38

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.)





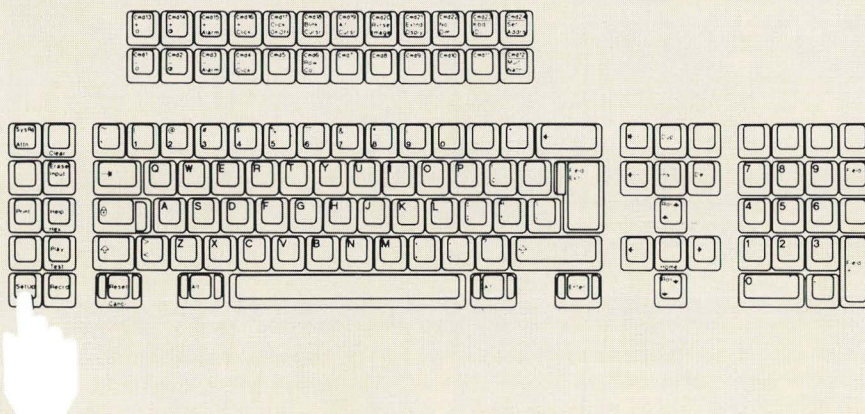
4.39

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.



4.40

With your assigned display station address on the display, press Setup key.



The address is now entered.

4.41

Have you connected all of the display stations and printers?

YES

NO

Section 5. *Checking Out and Configuring Your Computer*

4.1

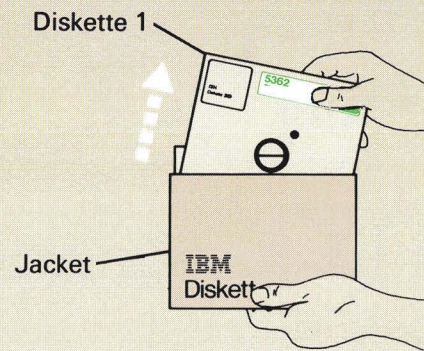
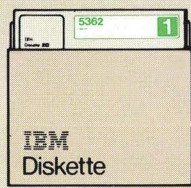


## Section 5. Checking Out and Configuring Your Computer



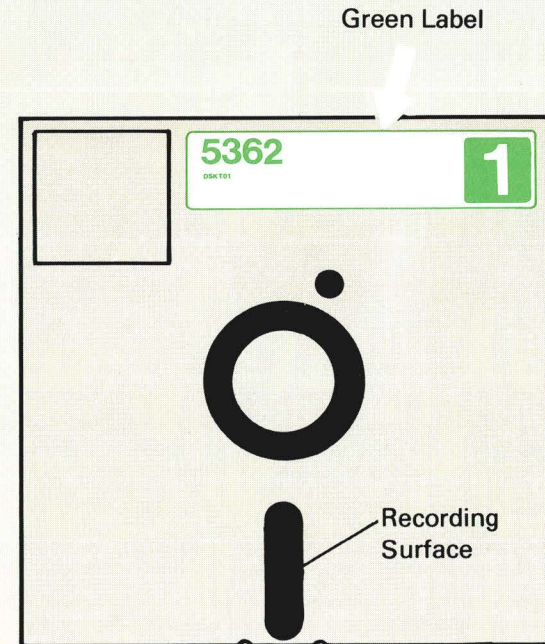
5.1

### Find diskette 1.



## CHECKING OUT YOUR COMPUTER

Be sure the diskette you use has the green label on it.



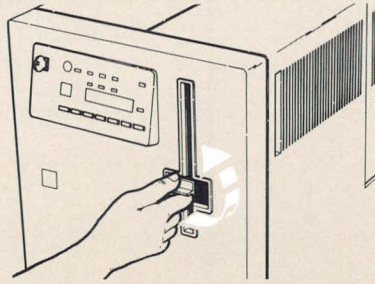
### CAUTION

- Always handle the diskette by the green 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.

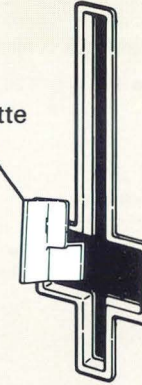


5.2

Open the diskette latch.

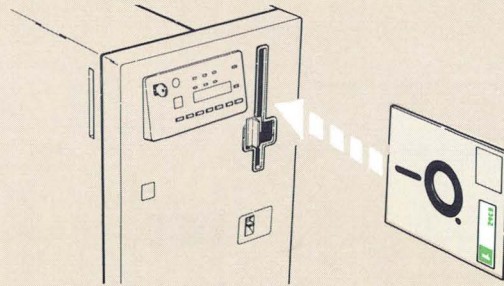


Diskette Latch



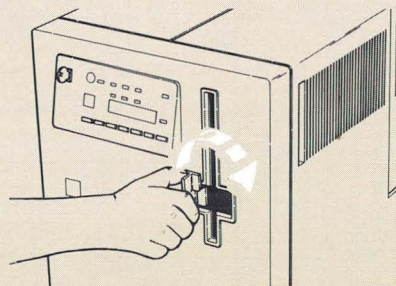
5.3

Insert diskette 1 with the green label positioned as shown.



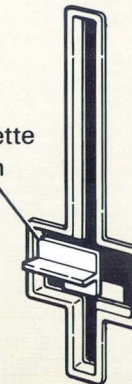
5.4

Close the diskette latch.



Diskette Latch

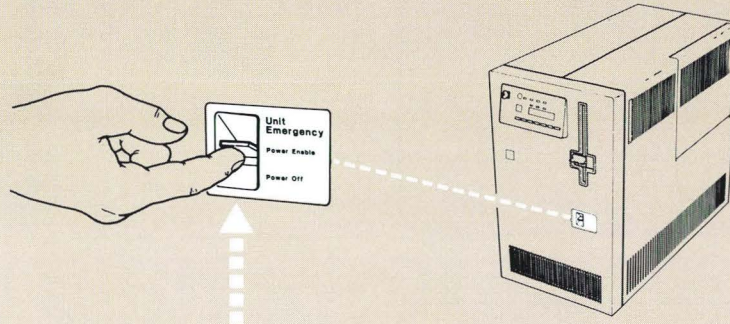
Closed





5.5

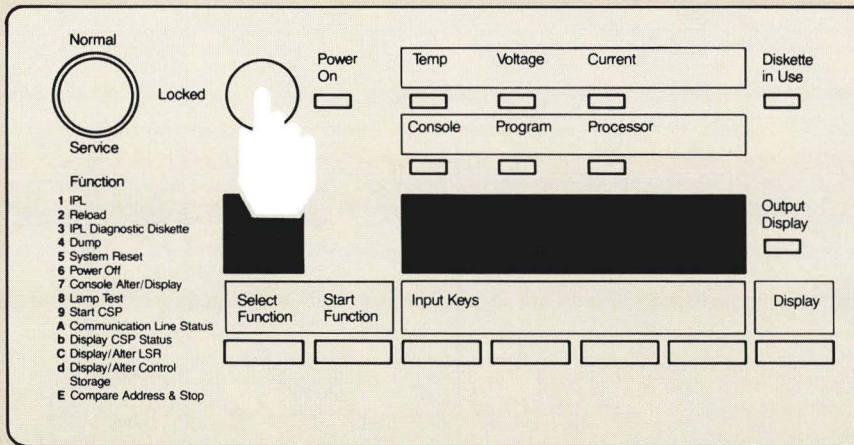
Make sure that the Unit Emergency switch is set to the Power Enable position.



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

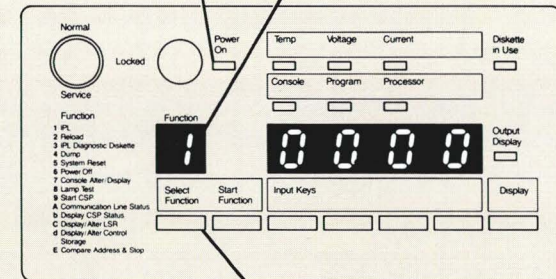
5.6

Press the Power key to turn on the computer.



If the Power On light does not come on, go to **9.A** in the back of this manual.

Power On Light      Function Display



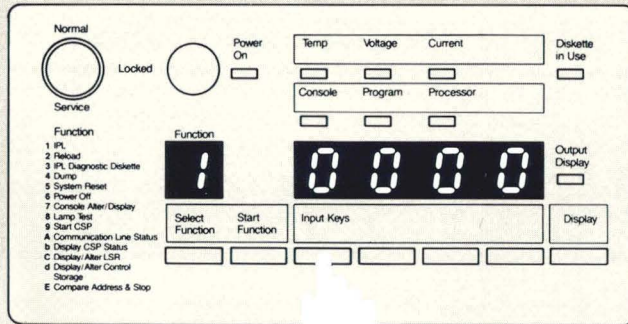
Select Function Key

A **:** should be displayed when you turn on the computer. If not, press the Select Function key until **:** appears in the Function display.



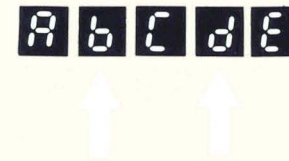
5.7

Enter 1000 by pressing the first Input key.



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

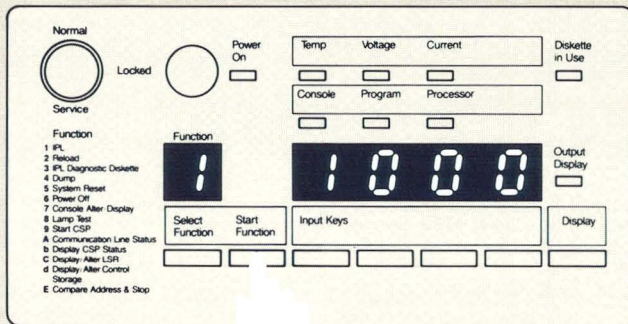
**Note:** Letters b and d are displayed in lower case, as shown:



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

5.8

Press the Start Function key.



When you press the Start Function key, the computer takes about five 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, which means the computer is working, remains displayed during checkout or until a system reference code is displayed.



5.9

Go to the system console. Display 01 will appear in about five to ten minutes.

```
01          SYSTEM/36 CONFIGURE-CUSTOMIZE PROGRAM
          Documentation Group Selection Menu

Select one of the following options and press ENTER/REC ADV key.

1. Austria/Germany          10. Japan (Japanese)
2. Belgium (Dutch)         11. Netherlands
3. Belgium (French)        12. Norway
4. Canadian French         13. Portugal
5. Denmark                 14. Spain
6. Finland                 15. Spanish Speaking
7. France                  16. Sweden
8. Italy                    17. United Kingdom
9. Japan (English)         18. United States

Option: _
```

EXAMPLE

Is display 01 displayed on the system console?

YES

5.11

NO

5.10

```
01          SYSTEM/36 CONFIGURE-CUSTOMIZE PROGRAM
          Documentation Group Selection Menu

Select one of the following options and press ENTER/REC ADV key.

1. Austria/Germany          10. Japan (Japanese)
2. Belgium (Dutch)         11. Netherlands
3. Belgium (French)        12. Norway
4. Canadian French         13. Portugal
5. Denmark                 14. Spain
6. Finland                 15. Spanish Speaking
7. France                  16. Sweden
8. Italy                    17. United Kingdom
9. Japan (English)         18. United States

Option: _
XXXX 01-01
```

EXAMPLE

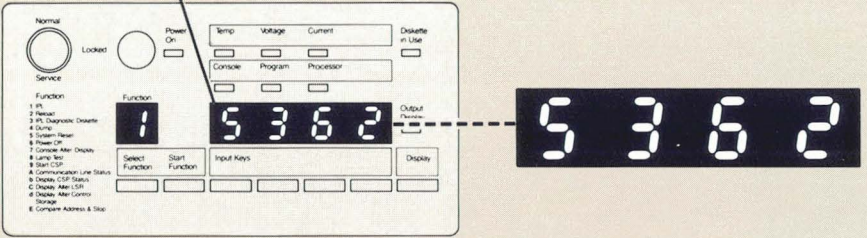
On the 5291 and 5292 Display Stations, these four numbers identify the cursor position on the screen. They change when the cursor moves to a new position. Do not confuse these numbers with the system reference code (also four numbers).

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 **9.F**.



5.10

Output Display



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

Did 5362 appear on the computer output display?

YES

NO

9.C

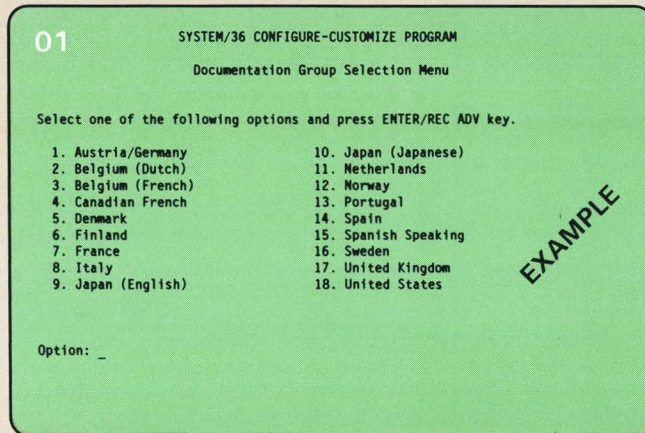
9.B

5



## 5.11

Look on Form C1, select the option number for your country on display 01, and then press the  key. Display 08 appears.



01

SYSTEM/36 CONFIGURE-CUSTOMIZE PROGRAM

Documentation Group Selection Menu

Select one of the following options and press ENTER/REC ADV key.

1. Austria/Germany	10. Japan (Japanese)
2. Belgium (Dutch)	11. Netherlands
3. Belgium (French)	12. Norway
4. Canadian French	13. Portugal
5. Denmark	14. Spain
6. Finland	15. Spanish Speaking
7. France	16. Sweden
8. Italy	17. United Kingdom
9. Japan (English)	18. United States



Option: \_

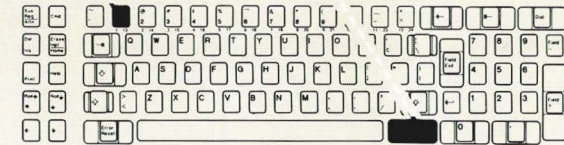
**EXAMPLE**

**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

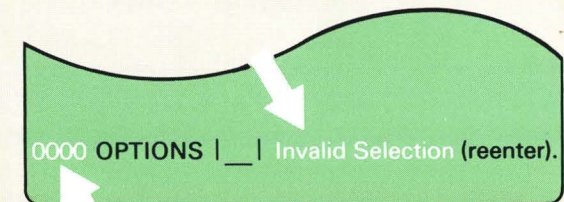
; and then the  key.



If you are unsure about which option (documentation group) to select, see Form C1. Form C1 (configuration list) should have been completed in Workbook 3, *Planning to Set Up Your Computer*, 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  key.



If you see a flashing 4-digit number, press the Error Reset key or go to **9.F**.

If you have trouble selecting an option, go to **9.E**.



## 5.12

08 SYSTEM/36 CONFIGURE-CUSTOMIZE PROGRAM

Keyboard Character Set Selection

Select one of the following options and press ENTER/REC ADV key.

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

Option: \_

EXAMPLE

Look on Form C1, select the keyboard character set on display 08, and then press the



key. Display 09 appears.

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

If option 11 on display 08 is chosen, display 10 appears instead of display 09.

5

## 5.13

09 SYSTEM/36 CONFIGURE-CUSTOMIZE PROGRAM

Multinational Character Set Selection

Select one of the following options and press ENTER/REC ADV key.

1. Use Multinational Character Set.
2. Do not use Multinational Character Set.

Option: \_

EXAMPLE

Look on Form C1, select option 1 or 2 on display 09, and then press the



key. Display 10 appears.



5.14

10                    SYSTEM/36 CONFIGURE-CUSTOMIZE PROGRAM

                          Computer Location

Select one of the following options and press ENTER/REC ADV key.

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

Option: \_

EXAMPLE

Look on Form C1, select one of the four options on display 10, and then press the



key. Display 02 appears.



5.15

```

02          SYSTEM/36 CONFIGURE-CUSTOMIZE PROGRAM
          Configuration Verification

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

Documentation group . . . . . United States
Main storage size . . . . . 128K bytes (see note 1)
Work stations supported . . . . . 6
Communications type
Line 1 . . . . . EIA/CCITT
Line 2 . . . . . V.35
Line 3 . . . . . DDSA
Line 4 . . . . . Not supported
Disk storage size . . . . . 30M bytes
Keyboard character set . . . . . United States
Multinational character set . . . . . No
Computer location . . . . . Other (see note 2)
RPQ to be installed . . . . . No

Option: _

Note 1: 4 2K segments of storage are not available.
Note 2: Country other than Canada, Japan, or United States.

```

EXAMPLE

Message Line

Do you see a message line (for Note 1) displayed on display 02?

YES

NO

9.H

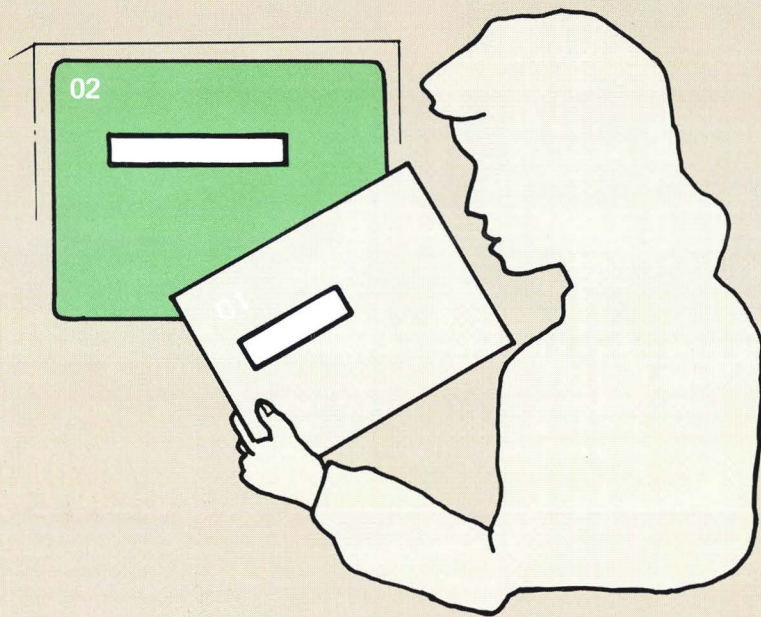
5.16

5



5.16

Compare the first item on display 02 to the first item recorded on Form C1.



Does the Documentation Group on display 02 match the Documentation Group recorded on Form C1?

YES

5.17

NO

5.28

The first item to be compared is Documentation group.

```
02          SYSTEM/36 CONFIGURE-CUSTOMIZE PROGRAM
          Configuration Verification

Is the following configuration list correct (1 = Yes, 2 = No)?
Documentation group . . . . . United States
Main storage size . . . . . 240K bytes (see note 1)
Work stations supported . . . . . 6
Communications type
Line 1 . . . . . EIA/CCITT
Line 2 . . . . . V.35
Line 3 . . . . . DDSA
Line 4 . . . . . Not supported
Disk storage size . . . . . 30M bytes
Keyboard character set . . . . . United States
Multinational character set . . . . . No
Computer location . . . . . Other (see note 2)
RPQ to be installed . . . . . No

Option: _

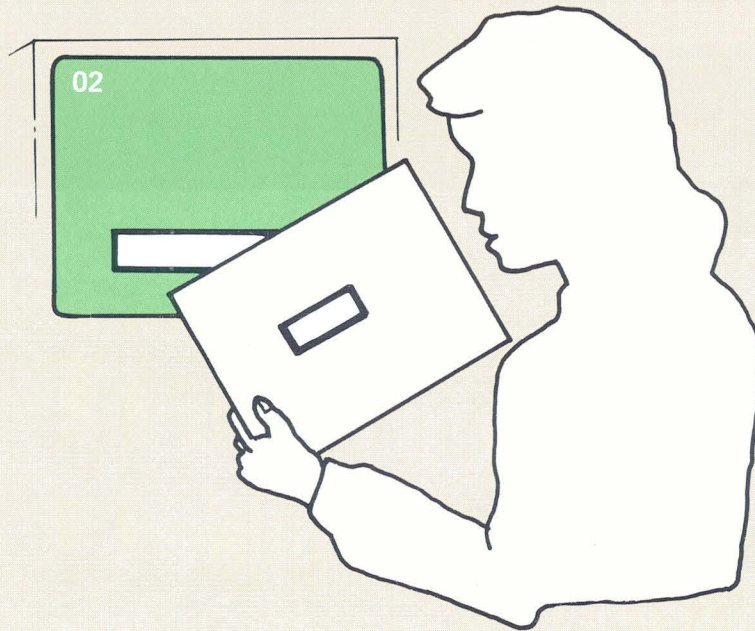
Note 1: 4 2K segments of storage are not available
Note 2: Country other than Canada, Japan, or United States.
```

EXAMPLE



5.17

Compare the three items on display 02 (beginning with Keyboard Character Set) to those same three items recorded on Form C1.



Do those items on display 02 match those items recorded on Form C1?

YES

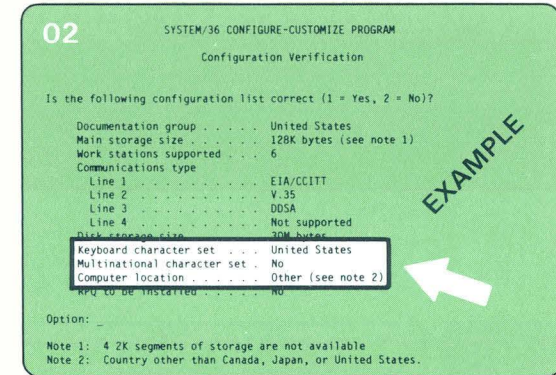
NO

5.18

5.28

The three items to be compared are:

- Keyboard Character Set
- Multinational Character Set (yes or no)
- Computer Location



5



5.18

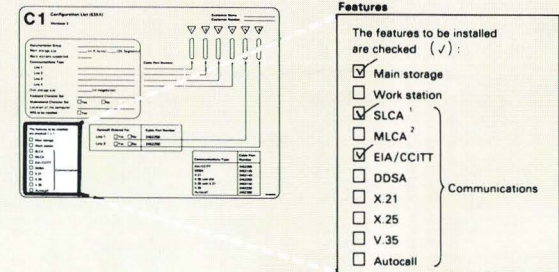
Do you have a feature(s) to install?

YES

NO


5.20

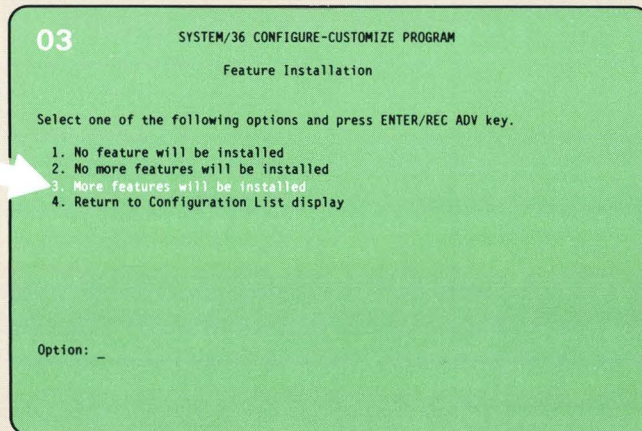
You might have one or more than one feature to install. Form C1 tells you what features to install, if any.




EXAMPLE ONLY

5.18.1

Select option 1 on display 02 and press the  key. Display 03 appears.

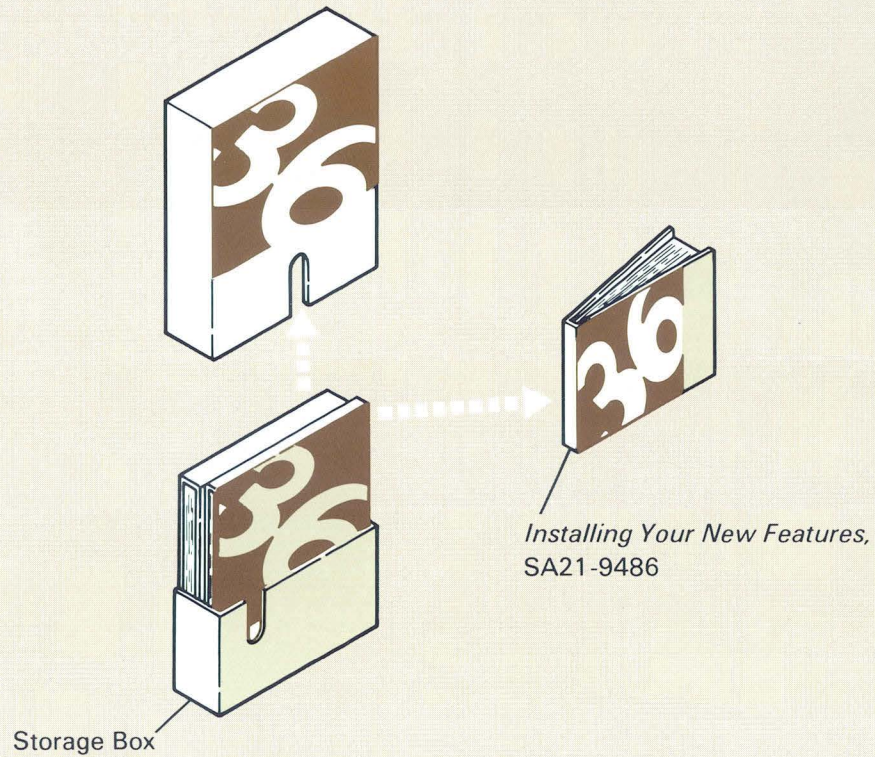


Select option 3 on display 03 and press the  key. Display 04 appears. Go to 5.19 .



5.19

Go to the manual *Installing Your New Features*. Do not go to **5.20**.



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.



5.20

```
02          SYSTEM/36 CONFIGURE-CUSTOMIZE PROGRAM
          Configuration Verify


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

Documentation group . . . . . United States
Main storage size . . . . . 128K bytes (see note 1)
Work stations supported . . . . 6
Communications type
  Line 1 . . . . . EIA/CCITT
  Line 2 . . . . . V.35
  Line 3 . . . . . DDSA
  Line 4 . . . . . Not supported
Disk storage size . . . . . 30M bytes
Keyboard character set . . . . United States
Multinational character set . . No
Computer location . . . . . Other (see note 2)
RPQ to be installed . . . . . No

Option: _

Note 1: 4 2K segments of storage are not available
Note 2: Country other than Canada, Japan, or United States.
```

EXAMPLE

Select option 1 on display 02 and press the  key. Display 03 appears.



5.21


03 SYSTEM/36 CONFIGURE-CUSTOMIZE PROGRAM  
Feature Installation

Select one of the following options and press ENTER/REC ADV 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  key. Display 16 or 51 appears.

16 SYSTEM/36 CONFIGURE-CUSTOMIZE PROGRAM  
Diskette 2

Do the following.

Insert diskette 2.  
Press the ENTER/REC ADV key.

EXAMPLE

51 SYSTEM/36 CHECKOUT PROGRAM  
Device Checkout Selection Menu

Select one of the following options and press ENTER/REC ADV key.

1. Work station
2. Communications
3. End checkout

Option:

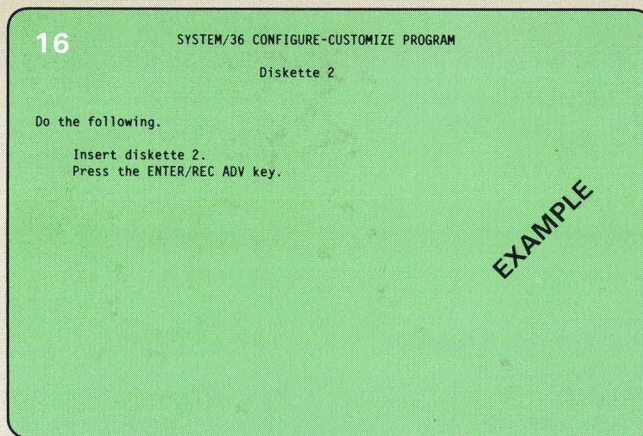
EXAMPLE

5.22

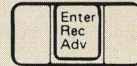
5.27

5

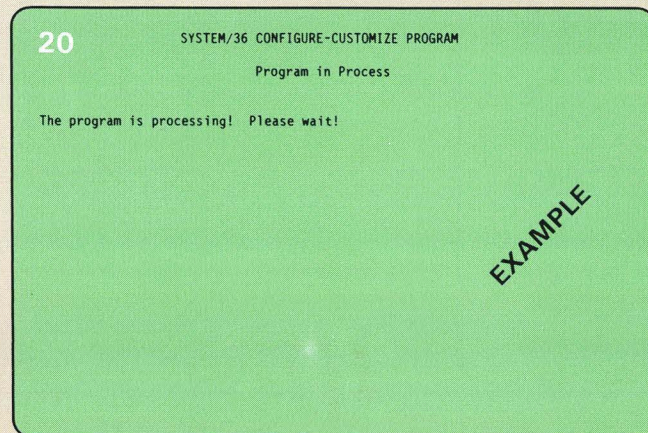




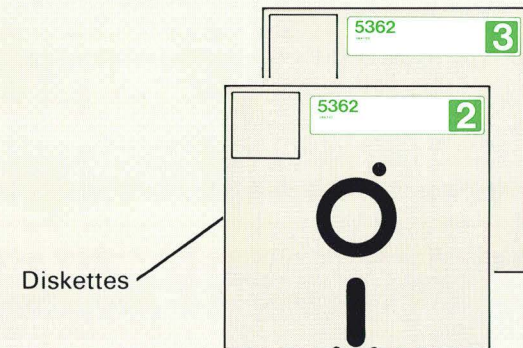
Remove diskette 1 and insert diskette 2. Go to the system console and press the



key. Display 20 appears.

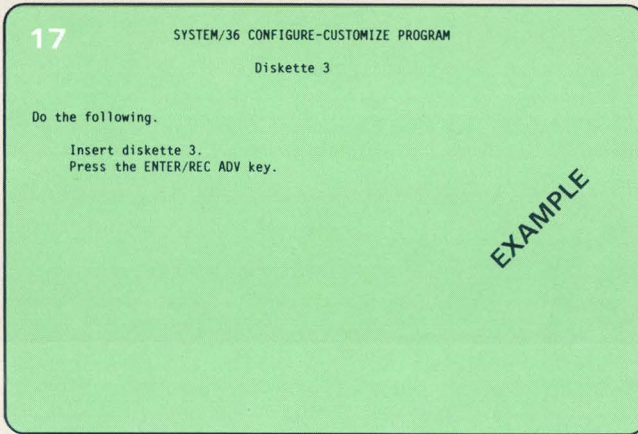


When the information loaded from diskette 2 is processed, display 17 appears.



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

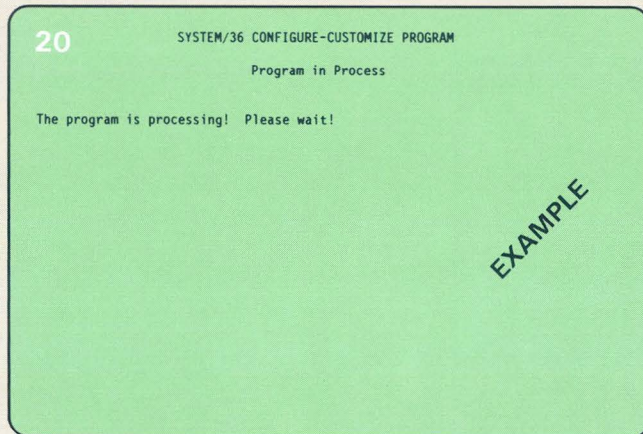




Insert diskette 3 and press the

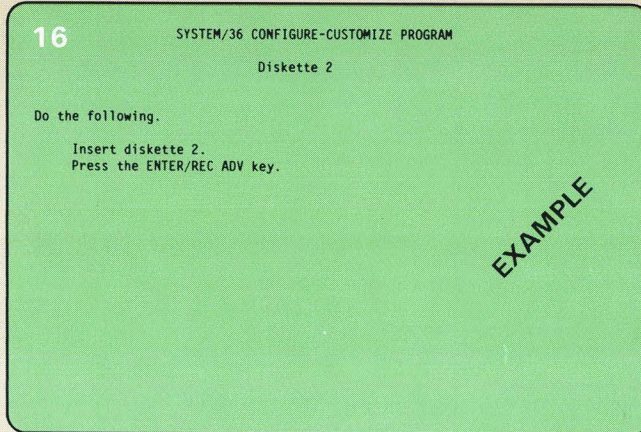


key. Display 20 appears.



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

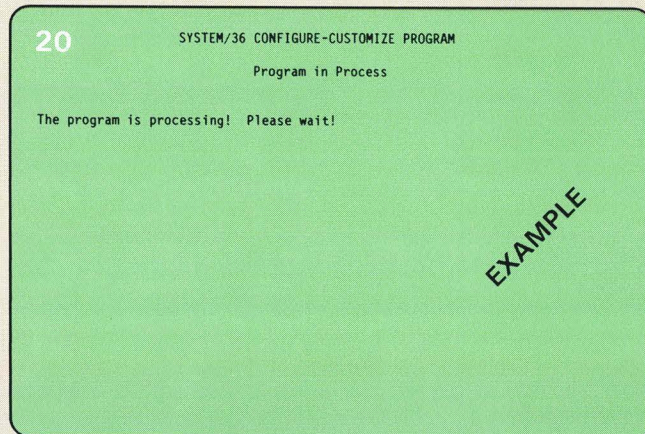




Insert diskette 2 and press

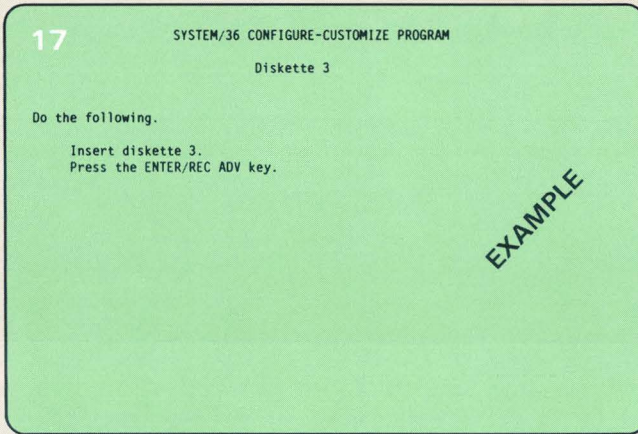


key. Display 20 appears.



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

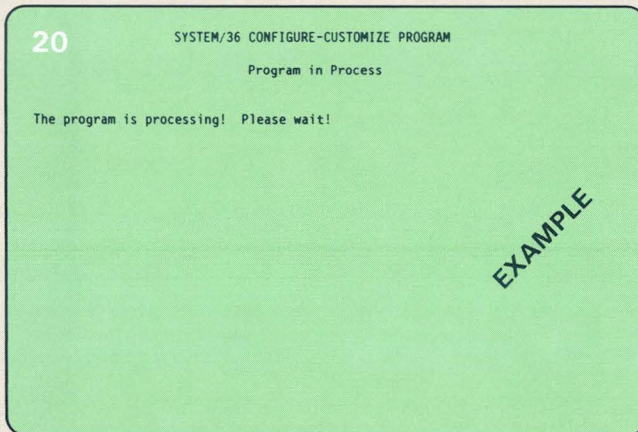




Insert diskette 3 and press the



key. Display 20 appears.



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




5.26

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

You have completed configure-customize.  
Insert diskette 1

Press the ENTER/REC ADV key when  
you are ready to continue.

EXAMPLE

Press the  key. Display 51 appears.



5.27

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

Select one of the following options and press ENTER/REC ADV key.

1. Work station
2. Communications
3. End checkout

Option: _
```

EXAMPLE

Go to **6.1** in Section 6 in this manual. *Checking Out Your System.*



```
02          SYSTEM/36 CONFIGURE-CUSTOMIZE PROGRAM
          Configuration Verification

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


Documentation group . . . . . United States
Main storage size . . . . . 128K bytes (see note 1)
Work stations supported . . . . 6
Communications type
  Line 1 . . . . . EIA/CCITT
  Line 2 . . . . . V.35
  Line 3 . . . . . DDSA
  Line 4 . . . . . Not supported
Disk storage size . . . . . 30M bytes
Keyboard character set . . . . . United States
Multinational character set . . . No
Computer location . . . . . Other (see note 2)
RPQ to be installed . . . . . No

Option: _

Note 1: 4 2K segments of storage are not available
Note 2: Country other than Canada, Japan, or United States.
```

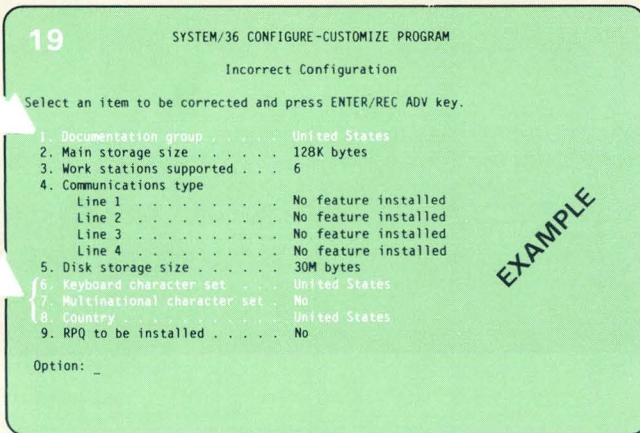



EXAMPLE

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



5.29



1. Select the option indicating a mistake on display 19 and press the  key.
2. Go to the appropriate step in this section by using the following chart. For example, if you see display 08 appear, go to **5.31**.

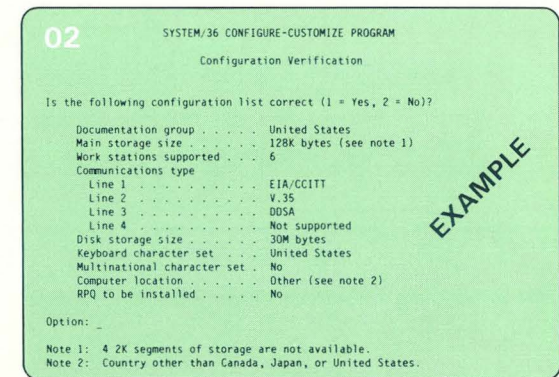
Display Number	Step
01 Documentation Group	<b>5.30</b>
<b>08 Keyboard Character Set</b>	<b>5.31</b>
09 Multinational Character Set	<b>5.32</b>
10 Computer Location	<b>5.33</b>

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

If you should accidentally select an option other than 1, 6, 7, or 8 and have not pressed the Enter/Rec Adv key, just type in the option you want over the number in the option field.

If you have pressed the Enter/Rec Adv key, then displays other than 01, 08, 09, or 10 appear. If this happens, do the following:

1. Press the  key. Display 02 appears.



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



## 5.30

01 SYSTEM/36 CONFIGURE-CUSTOMIZE PROGRAM

Documentation Group Selection Menu

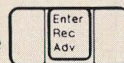
Select one of the following options and press ENTER/REC ADV key.

1. Austria/Germany	10. Japan (Japanese)
2. Belgium (Dutch)	11. Netherlands
3. Belgium (French)	12. Norway
4. Canadian French	13. Portugal
5. Denmark	14. Spain
6. Finland	15. Spanish Speaking
7. France	16. Sweden
8. Italy	17. United Kingdom
9. Japan (English)	18. United States

Option: \_

EXAMPLE

Select the correct option on display 01 and press the key. Display 02 appears. Go to **5.34** .



## 5.31

08 SYSTEM/36 CONFIGURE-CUSTOMIZE PROGRAM

Keyboard Character Set Selection

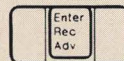
Select one of the following options and press ENTER/REC ADV key.

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

Option: \_


EXAMPLE

Select the correct option on display 08 and press the key. Display 02 appears. Go to **5.34** .

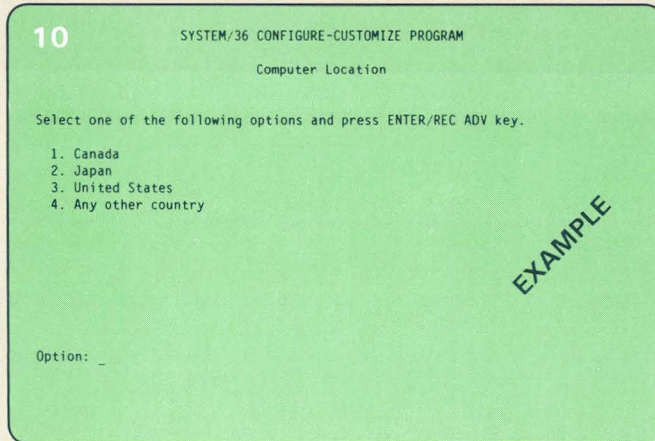





5.32

Display 09 will not appear. The computer automatically updated display 02 when you press the  key in 5.29 . Go to 5.34 .

5.33



Select the correct option on display 10 and press the  key. Display 02 appears. Go to 5.34 .

5



```
02          SYSTEM/36 CONFIGURE-CUSTOMIZE PROGRAM
          Configuration Verification

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

Documentation group . . . . . United States
Main storage size . . . . . 128K bytes (see note 1)
Work stations supported . . . . . 6
Communications type
Line 1 . . . . . EIA/CCITT
Line 2 . . . . . V.35
Line 3 . . . . . DDSA
Line 4 . . . . . Not supported
Disk storage size . . . . . 30M bytes
Keyboard character set . . . . . United States
Multinational character set . . . . . No
Computer location . . . . . Other (see note 2)
RPQ to be installed . . . . . No

Option: _

Note 1: 4 2K segments of storage are not available
Note 2: Country other than Canada, Japan, or United States.
```

EXAMPLE

Compare the corrected item on display 02 to Form C1.

Does the corrected item on display 02 now match that item recorded on Form C1?

YES

NO

5.28

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

YES

NO

5.28

5.18

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



## Section 6. Checking Out Your System



**6.1**

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.

**6.2**

If you have an IBM 5219, 5224, 5225, or 5256 Printer, go to **9.G** for instructions on how to prepare the printer(s) for system checkout.

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.

**6.3**

Make sure of the following:

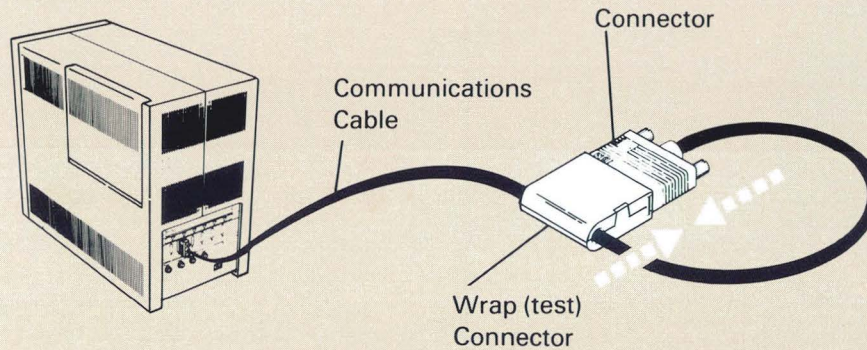
- All Power switches on all display stations and printers in your system are set to the I (On) position
- The Unit Emergency switch on your computer is set to the Power Enable position
- Diskette 1 is in the computer
- The security key on your computer is in the Service position
- The security key on 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.



**6.4**

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

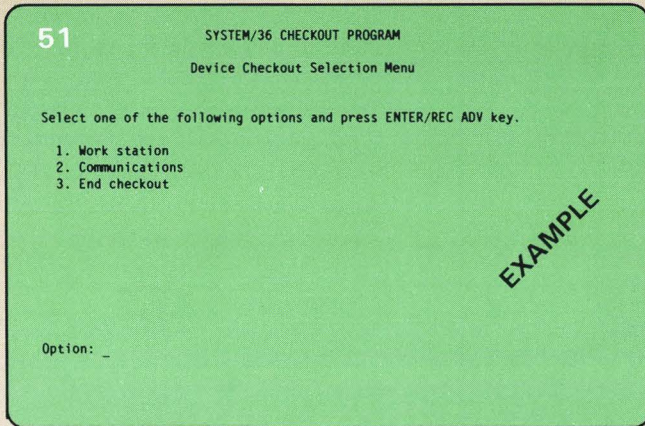


A wrap (test) connector is used to test the communications circuits in the computer.

The communications cable, connector, and wrap (test) connector shown in **6.4**, might look different from the one on your computer. Also, some communications cables do not have wrap (test) connectors. If your communications cable does not have a wrap (test) connector, skip **6.4**.



6.5



Is display 51 displayed on the system console?

YES

6.13

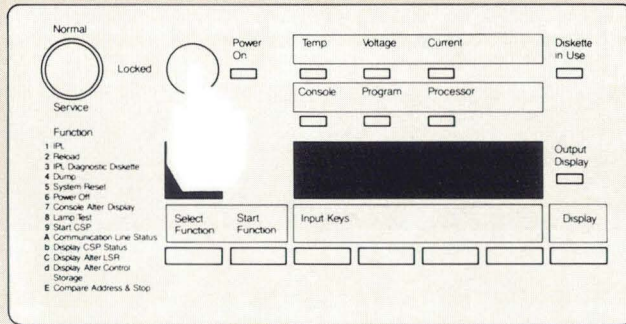
NO

6.6



## 6.6

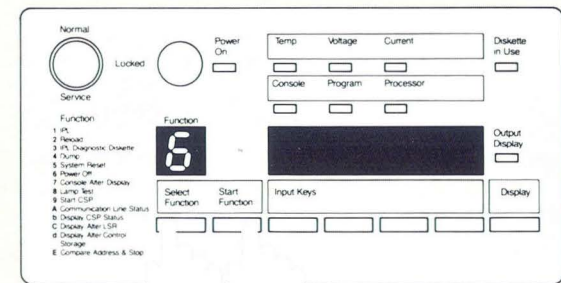
Press the Power key to turn on the computer.



The Power light should come on when you press the Power key. If it does not, go to **9.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.

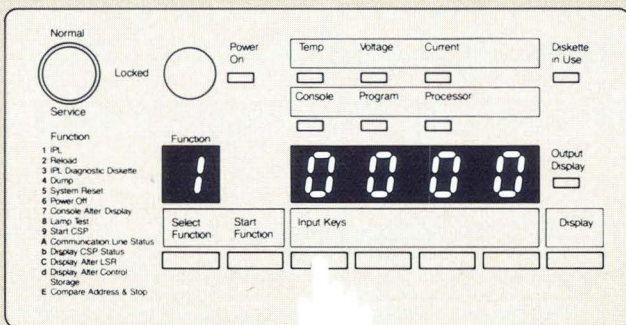


2. Return to **6.6** and start again.

6

## 6.7

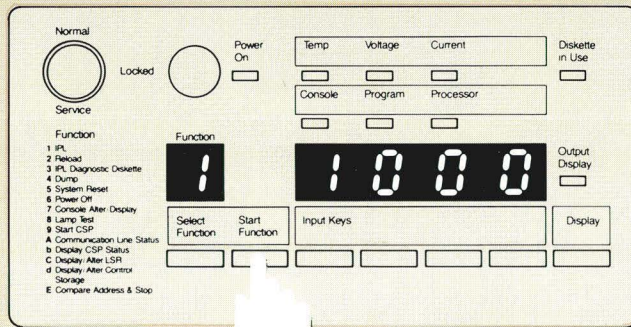
Enter 1000 by pressing the first Input key.





6.8

Press the start function key.



6.9

Go to the system console. Display 02 appears in about 5 to 10 minutes.



6.10

```
02          SYSTEM/36 CONFIGURE-CUSTOMIZE PROGRAM
          Configuration Verification

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

Documentation group . . . . . United States
Main storage size . . . . . 128K bytes (see note 1)
Work stations supported . . . . . 6
Communications type
Line 1 . . . . . EIA/CCITT
Line 2 . . . . . V.35
Line 3 . . . . . DDSA
Line 4 . . . . . Not supported
Disk storage size . . . . . 30M bytes
Keyboard character set . . . . . United States
Multinational character set . . . . . No
Computer location . . . . . Other (see note 2)
RPQ to be installed . . . . . No

Option: _

Note 1: 4 2K segments of storage are not available
Note 2: Country other than Canada, Japan, or United States.
```

EXAMPLE

Is display 02 displayed on the system console?

YES

NO

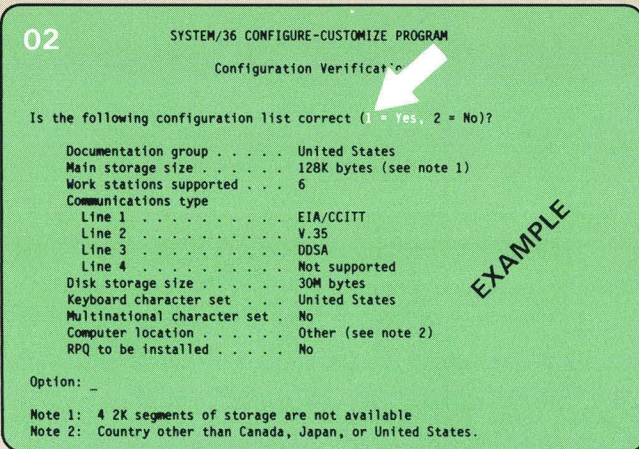
6.11


9.C

6

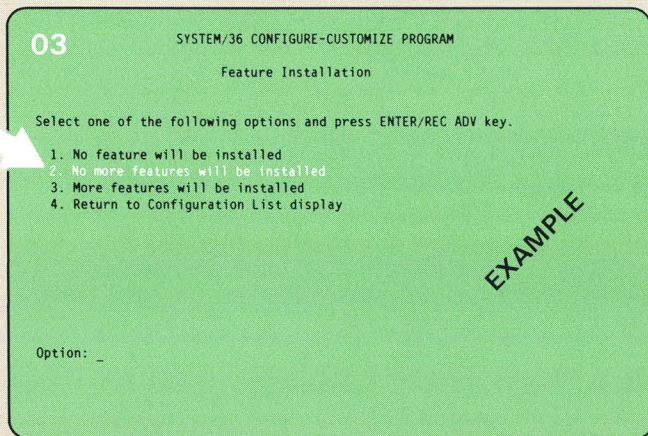



6.11



Select option 1 on display 02 and press the  key. Display 03 appears.

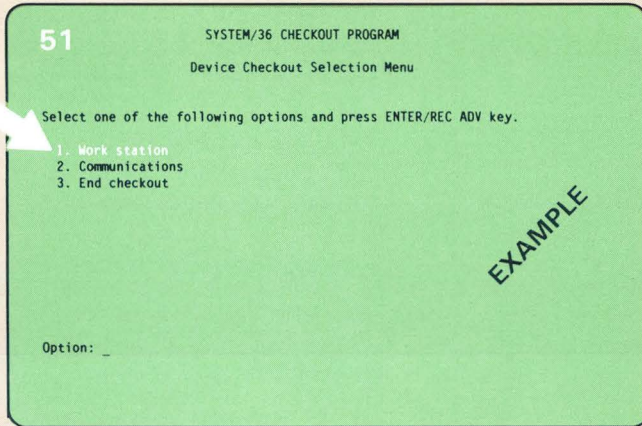
6.12




Select option 2 on display 03 and press the  key. Display 51 appears.



6.13



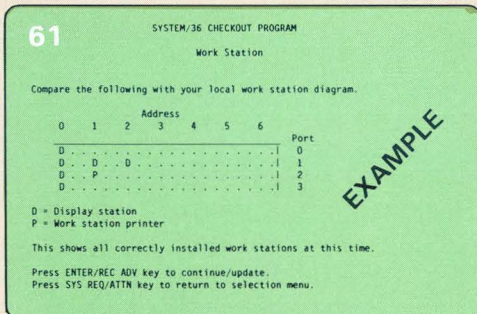
Select option 1 on display 51 and press the  key. Display 61 or 62 appears.

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:

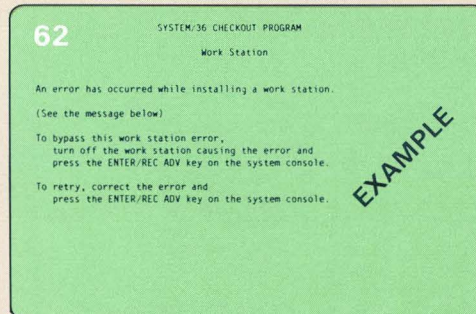
1. Work Station
2. Communications
3. End Checkout

6.14

Go to the appropriate step.



OR



6.15

9.D



6.15

Compare display 61 to Form F.

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

Compare the following with your local work station diagram.

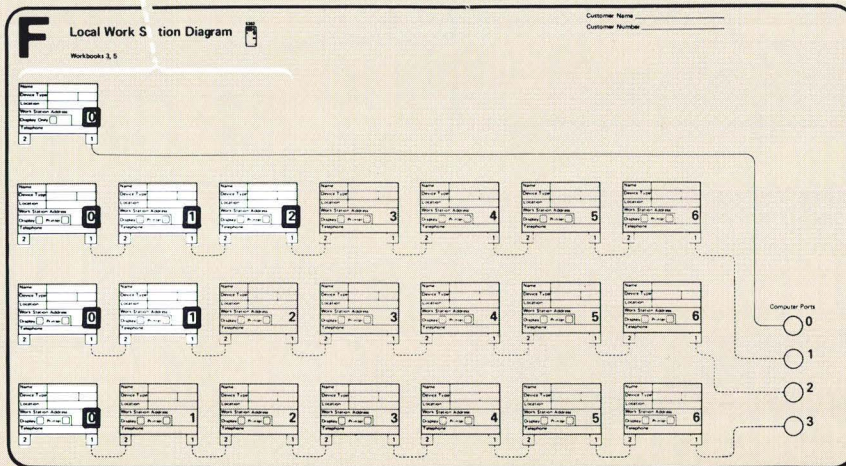
Address	0	1	2	3	4	5	6	Port
D	.	.	.	.	.	.	.	0
D	.	D	.	.	.	.	.	1
D	.	.	.	.	.	.	.	2
D	.	.	.	.	.	.	.	3

D = Display station  
P = Work station printer

This shows all correctly installed work stations at this time.

Press ENTER/REC ADV key to continue/update.  
Press SYS REQ/ATTN key to return to selection menu.

**EXAMPLE**



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

YES

NO

6.16

9.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	0	1	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 ENTER/REC ADV key to continue/update.  
Press SYS REQ/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.



6.16

61

SYSTEM/36 CHECKOUT PROGRAM

Work Station

Compare the following with your local work station diagram.

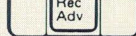
Address							Port
0	1	2	3	4	5	6	
D	.	.	.	.	.	.	0
D	.	D	.	D	.	.	1
D	.	P	.	.	.	.	2
D	.	.	.	.	.	.	3

D = Display station  
P = Work station printer

This shows all correctly installed work stations at this time.

Press ENTER/REC ADV key to continue/update.  
Press SYS REQ/ATTN key to return to selection menu.



Press the  key on the system console. Display 65 appears on the system console and display 63 on each display station. Go to **6.17**.



- 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 **9.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 Diagram

Workbooks 3, 5

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

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

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

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

Name	
Device Type	
Location	
Work Station Address	
Display Only <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.  
If these do not correspond, refer to the SETTING UP YOUR COMPUTER manual.

EXAMPLE

63

SYSTEM/36 CHECKOUT PROGRAM

Work Station

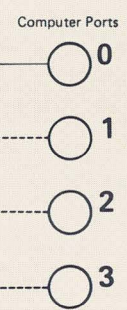
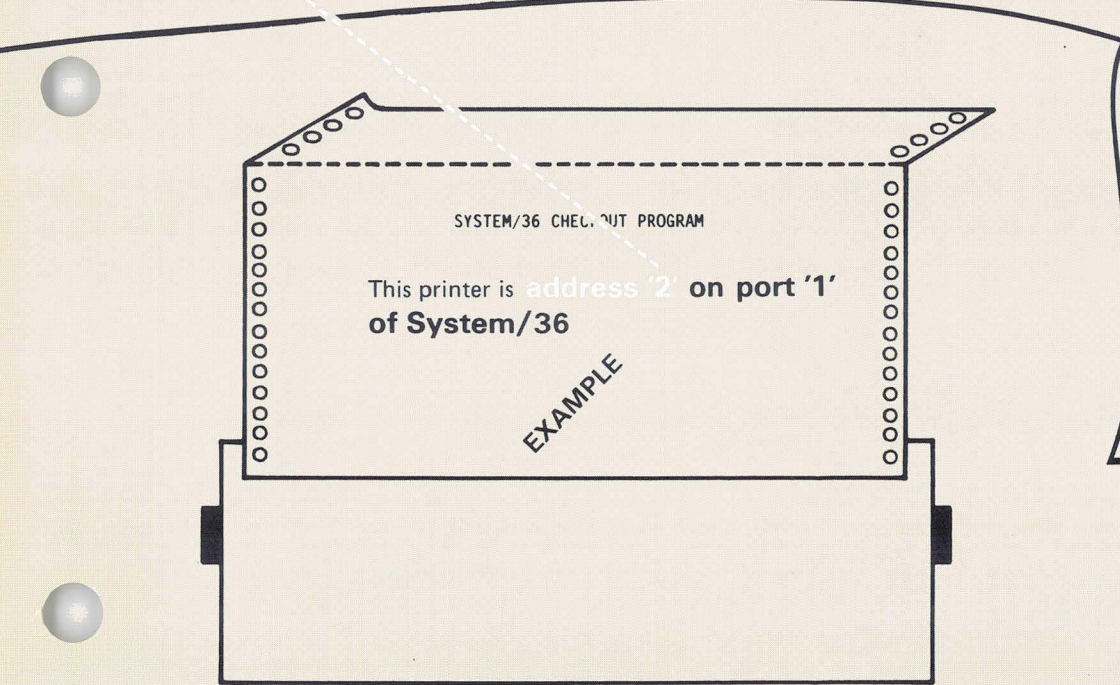
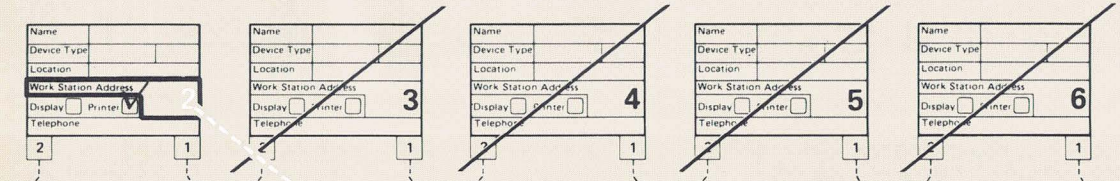
This display station is **address '1'** on **port '1'**

Enter characters from the keyboard and observe the display.  
If these do not correspond, refer to the SETTING UP YOUR COMPUTER manual.

EXAMPLE



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





6.18


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

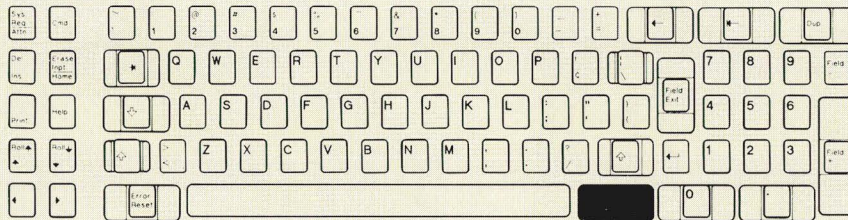
YES

NO

9.D

6.19

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





6.20

Go to the appropriate step.

66

SYSTEM/36 CHECKOUT PROGRAM  
Work Station

End of work station checkout.

EXAMPLE

Press SYS REQ/ATTN key to return to selection menu.

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	.	.	.	.	.	.	.	2
D	.	.	.	.	.	.	.	3

D = Display station  
P = Work station printer

This shows all correctly installed work stations at this time.

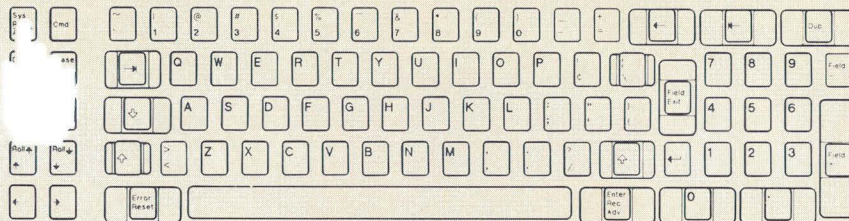
Press ENTER/REC ADV key to continue/update.  
Press SYS REQ/ATTN key to return to selection menu.

EXAMPLE

6.15

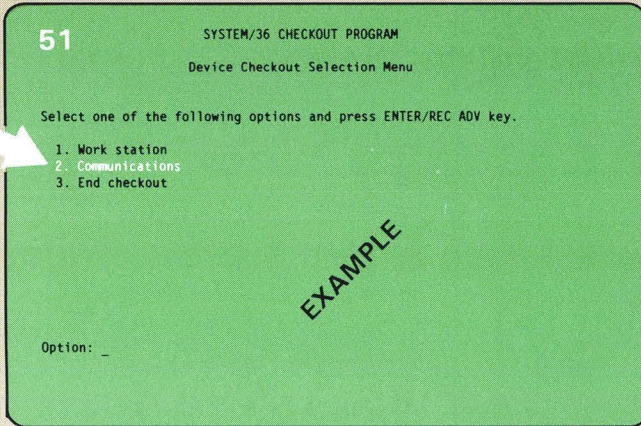
6.21

Press the  key. Display 51 appears.





6.22



Do you have the Communications option on display 51?

YES

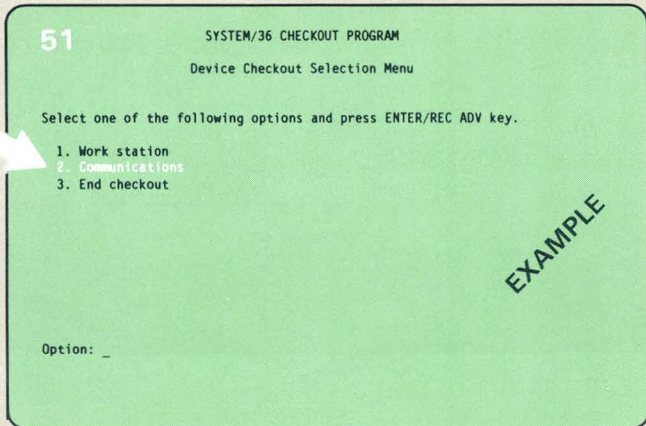
NO


6.23

6.27



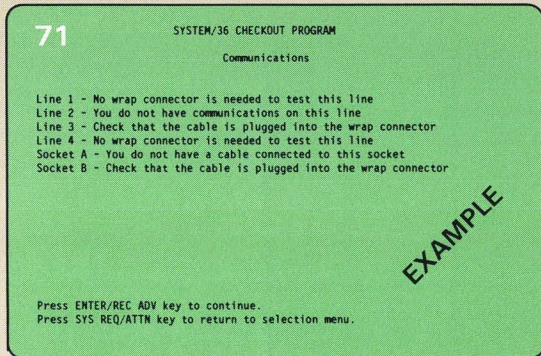
6.23




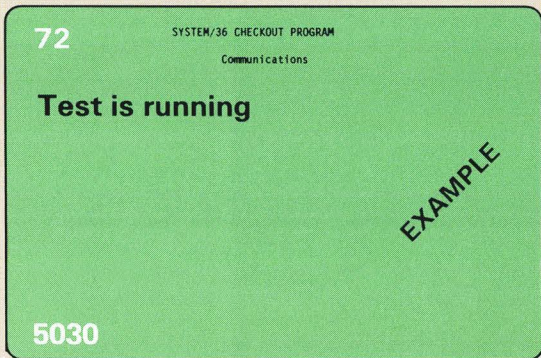
Select the Communications option on display 51, and then press the  key. Display 71 appears.



6.24



Press the  key. Display 72 appears.



Does the system reference code 5030 appear at the bottom of display 72?

YES

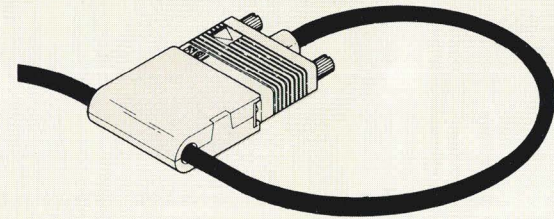
NO

9.F

6.25

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.

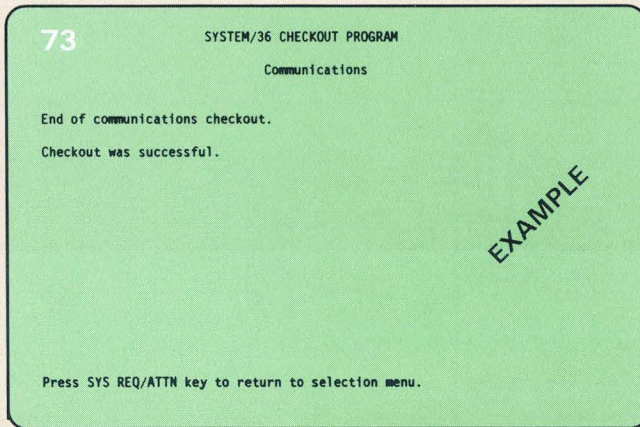


The bypass and retry options are also displayed with the 5030 system reference code.

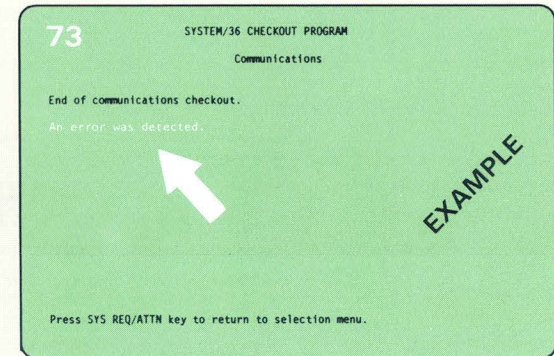


6.25


When the communications test is complete, display 73 appears.



A message appears here on display 73 if a communications error was detected.

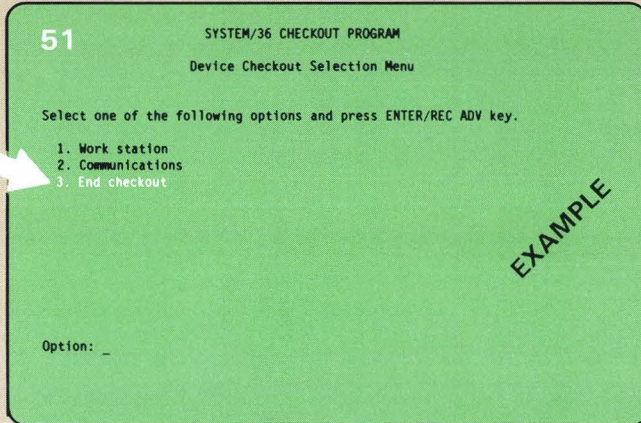



6.26

Press the  key. Display 51 appears.

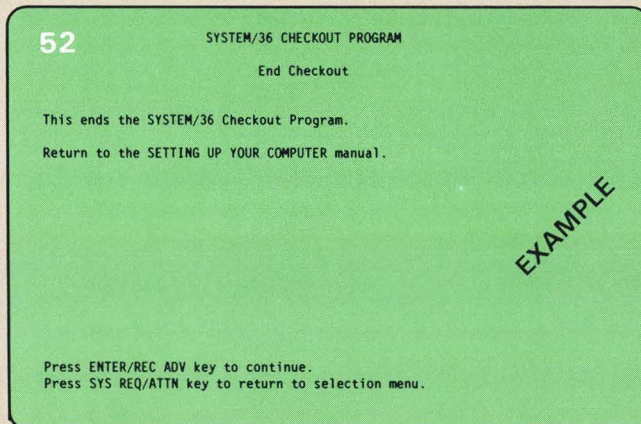



6.27

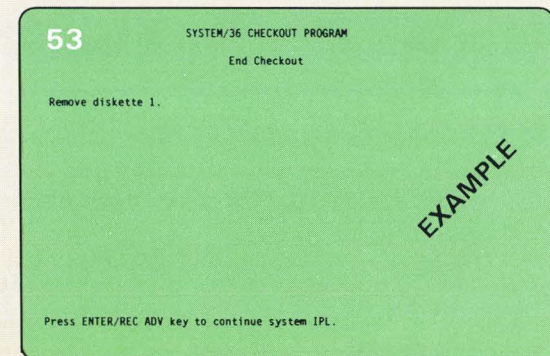


Select the End Checkout option on display 51, and then press the  key. Display 52 appears.

6.28



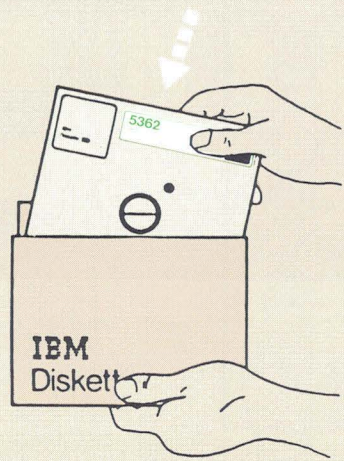
Press the  key. Display 53 appears.





6.29

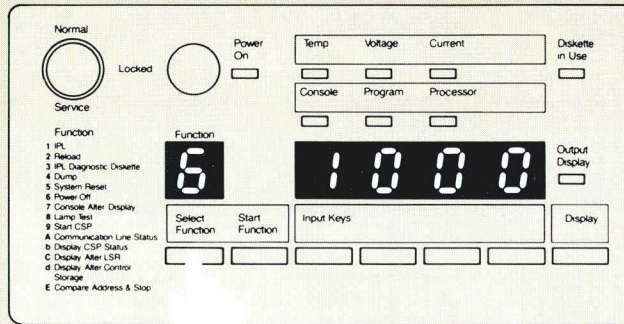
Remove diskette 1 and place it in its jacket.



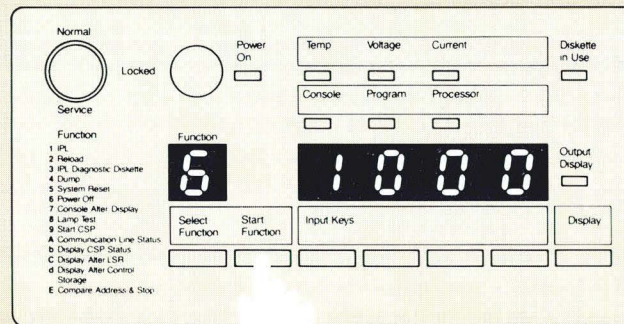


### Turn off the computer.

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 F) until you release the key.

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

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



6.31

Did you install a communications feature?

YES



NO



6.33

6.32

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 C1, D, and F to *Forms for Planning*, SA21-9446.
3. Read *Performing the First System Configuration for Your System*, SC21-9067.

You are now ready to load the System Support Program (SSP) into the computer.

6



6.33

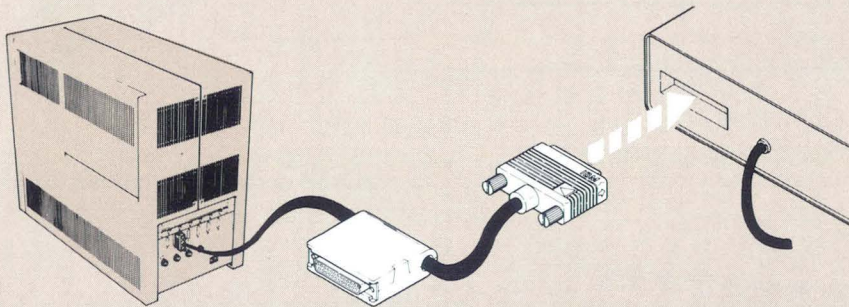
Go to Section 7, *Connecting the Communications Cable*.



## Section 7. Connecting the Communications Cable

7.1

Connecting the communications cable(s) from the computer to a modem or service channel unit is your last step in the setup process.



If you are planning to do this now, your modem(s) or service channel 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

7.2

LATER

7.26

A modem or service channel 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 at a different location.

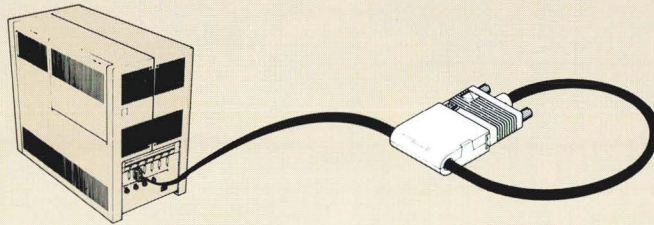
**LATER** can mean a week, month, or even a year after you have installed the computer.

7

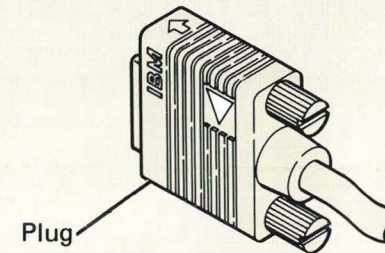


### 7.2

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**



### 7.3

Determine the communications type for each cable by comparing the part number on the communications cable(s) to the part number in chart **7.5**

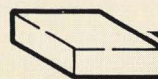
Communications Type	From Your Computer	To Your Data Communications Equipment	Go to Step
IMA, AUTOCALL OR X.25			<input type="checkbox"/>
	Part: 2453128		
DOSA			<input type="checkbox"/>
	Part: 2453128		

*Note: The X.25 communications type uses either the 25-pin cable (Part 2453128) or the X.31 cable (Part 2453143). The cable you have depends on the type of communications equipment you ordered.*

*Note: If you need help in determining which step to select, call 1-800-368-5888 for system manager or the dealer who provided the communications.*

*Note: Included on the next page.*

Part Number



Part Number



Communications Cable

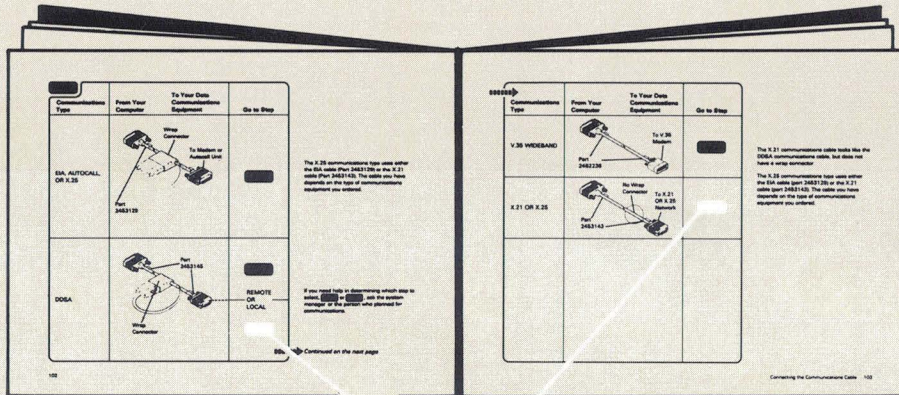
### CAUTION

Avoid connecting cables during an electrical storm.



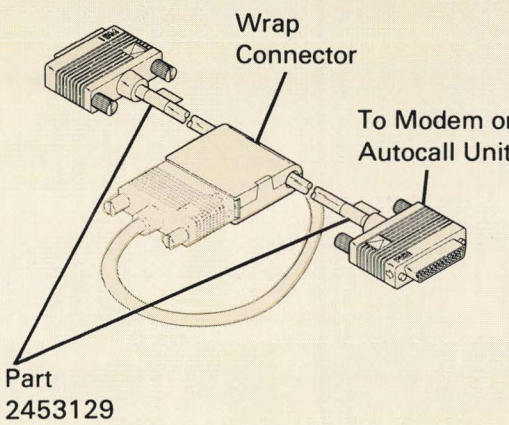
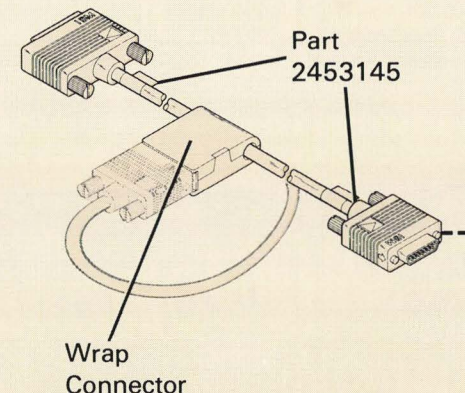
7.4

Once you have determined the communications type, go to the specified step shown in chart 7.5





**7.5**

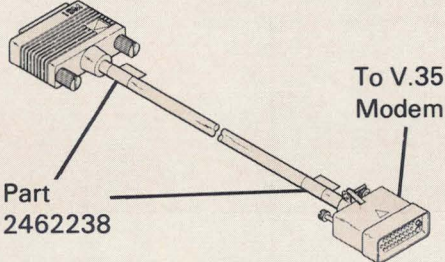
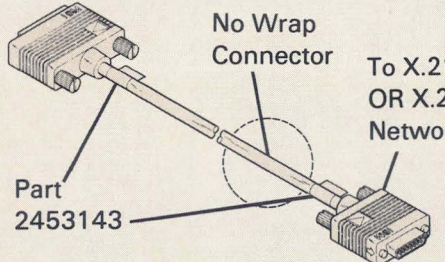
Communications Type	From Your Computer	To Your Data Communications Equipment
EIA, AUTOCALL, OR X.25	 <p>Part 2453129</p>	<p><b>7.6</b></p>
DDSA	 <p>Part 2453145</p> <p>Wrap Connector</p>	<p><b>7.11</b></p> <p>REMOTE OR LOCAL</p> <p><b>7.15</b></p>

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.

If you need help in determining which step to select, **7.11** or **7.15**, 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		To V.35 Modem	7.18
X.21 OR X.25		To X.21 OR X.25 Network	7.22

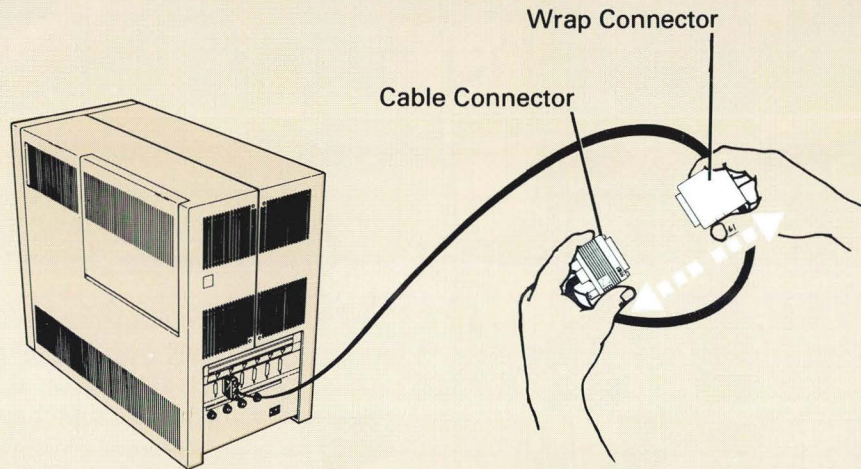
The X.21 communications cable looks like the DDSA communications cable, but does not have a wrap connector.

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.



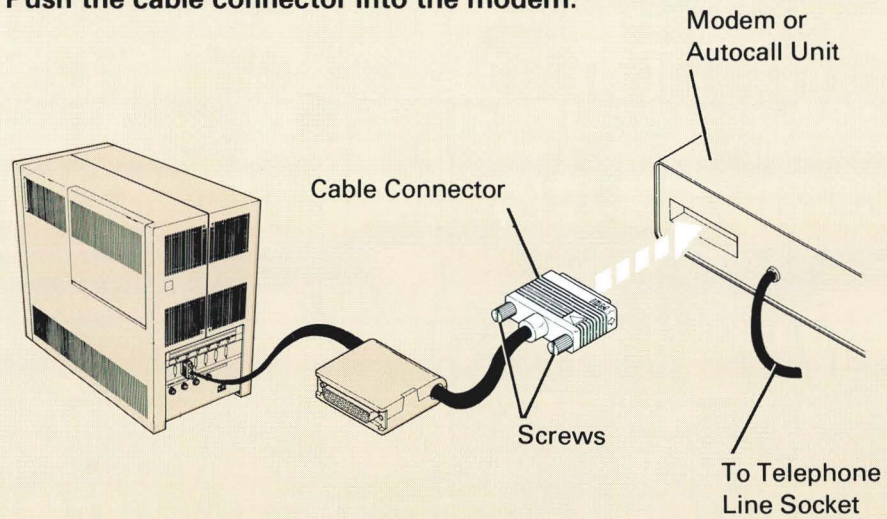
7.6

You have the EIA or Autocall communications cable. Pull the cable connector out from the wrap connector.



7.7

Push the cable connector into the modem.



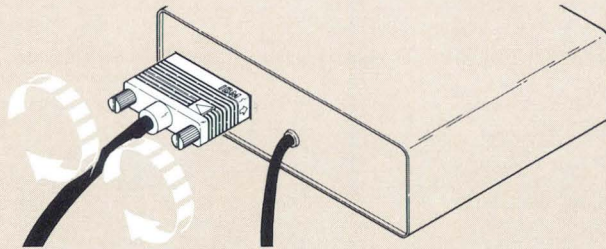
The Autocall unit might be part of the modem. Be sure your Autocall cable connects to socket **A** or **B** on the computer. If you are unsure, call the person responsible for modem installation.

Also, check that the EIA modem, Autocall unit, or X.25 unit is connected to an electrical source.



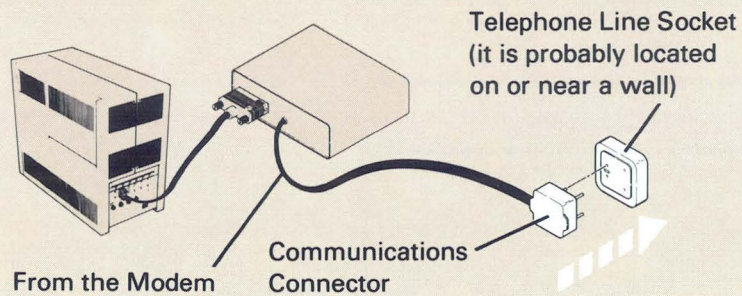
7.8

Push the connector straight in; then, alternately tighten the screws.



7.9

Push the communications connector into the line socket.



The connector and sockets shown are only one of several types that are available.

The telephone line socket should have been installed before setup. If it was not, contact the person responsible for the telephone line connection.

7.10

Do you have another communications cable to connect?

YES

NO

7.2

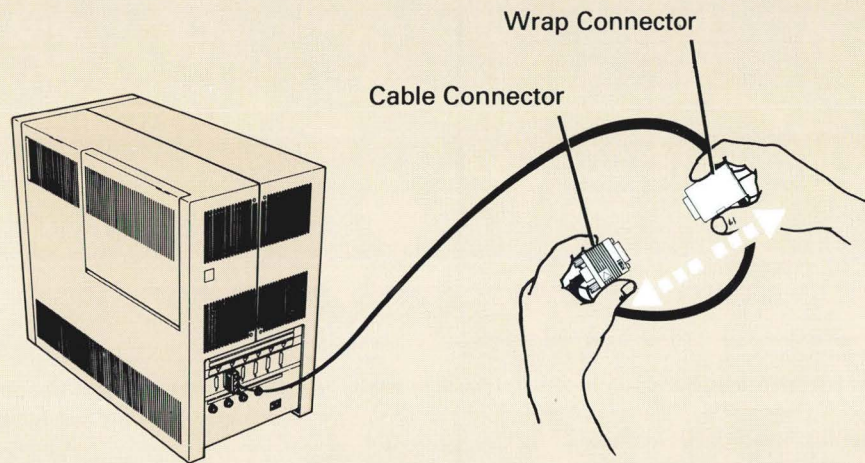
7.26

7



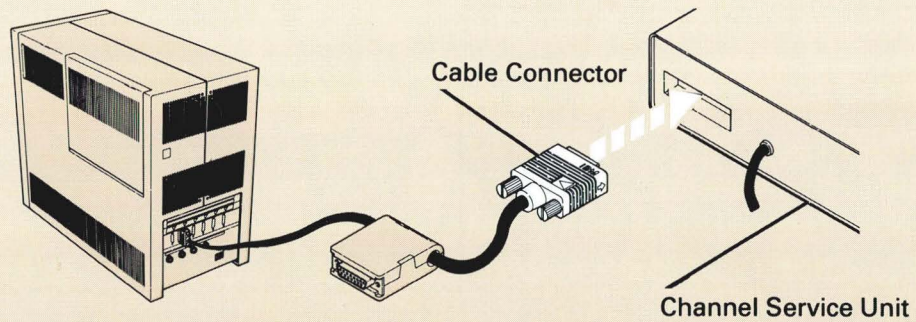
7.11

You have the remote DDSA communications cable. Pull the cable connector out from the wrap connector.



7.12

Push the cable connector into the modem.



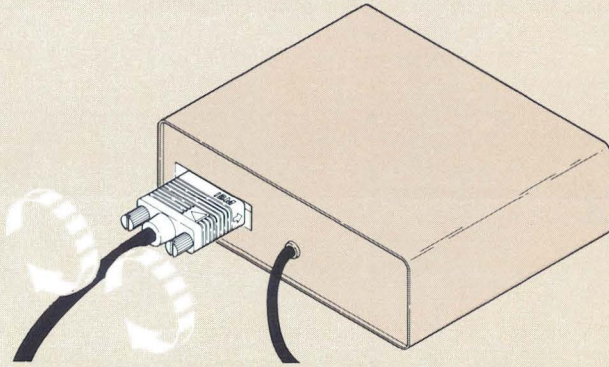
The channel service unit should have been installed before setup. If it was not installed, contact the person responsible for telephone line connection.

Also, be sure that the channel service unit is connected to an electrical source.



7.13

Push the connector straight in; then, alternately tighten the screws.



7.14

Do you have another communications cable to connect?

YES

NO

7.2

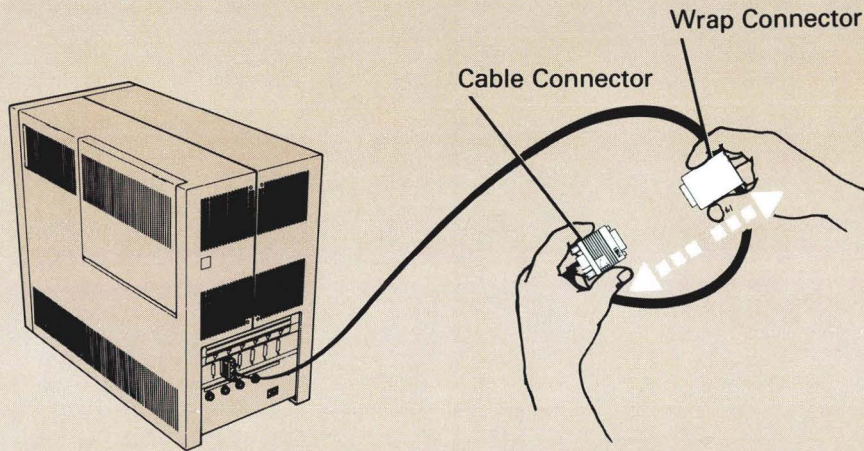
7.26

7



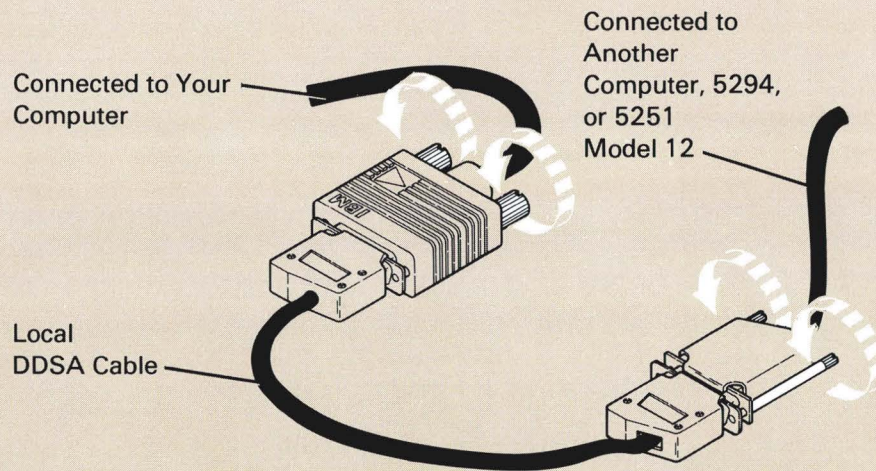
7.15

You have the local DDSA communications cable. Pull the cable connector from the wrap connector.



7.16

Push in and tighten the cable connector 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 computer.

This cable should have been ordered. If not, order part 4236967 for the local DDSA cable.



7.17

Do you have another communications cable to connect?

YES

NO

7.2

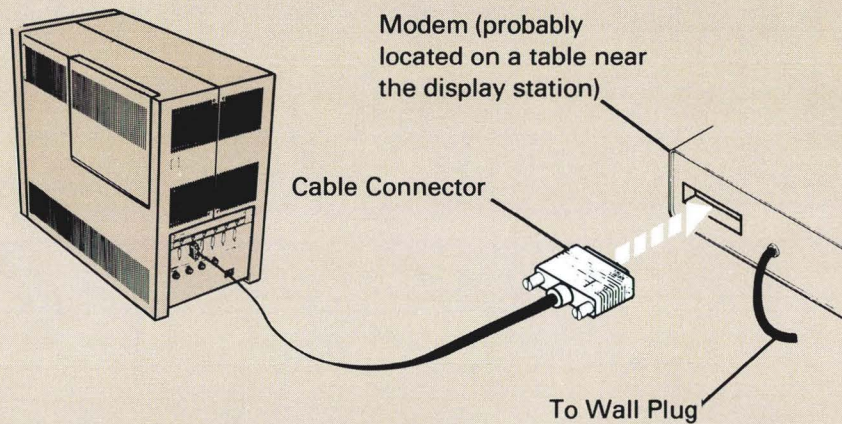
7.26

7



7.18

You have the V.35 (wide band) communications cable. Push the cable connector from your computer into the socket on the modem or data service unit.

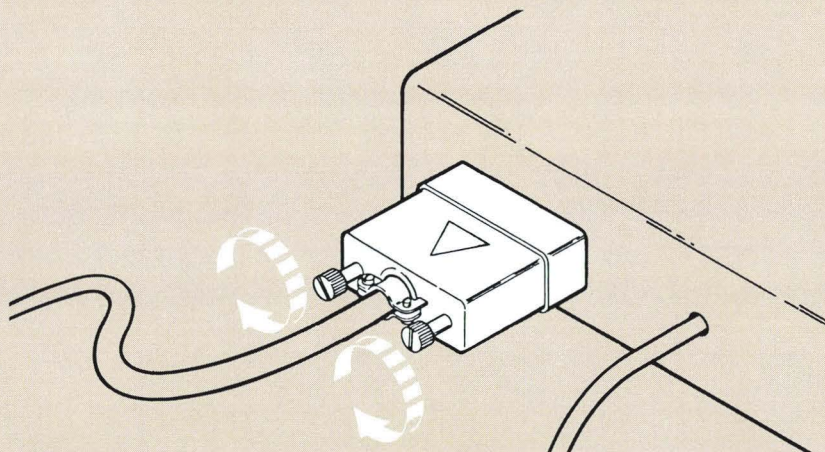


The modem shown is only one of several types that are available.

Be sure that the modem is connected to an electrical source.

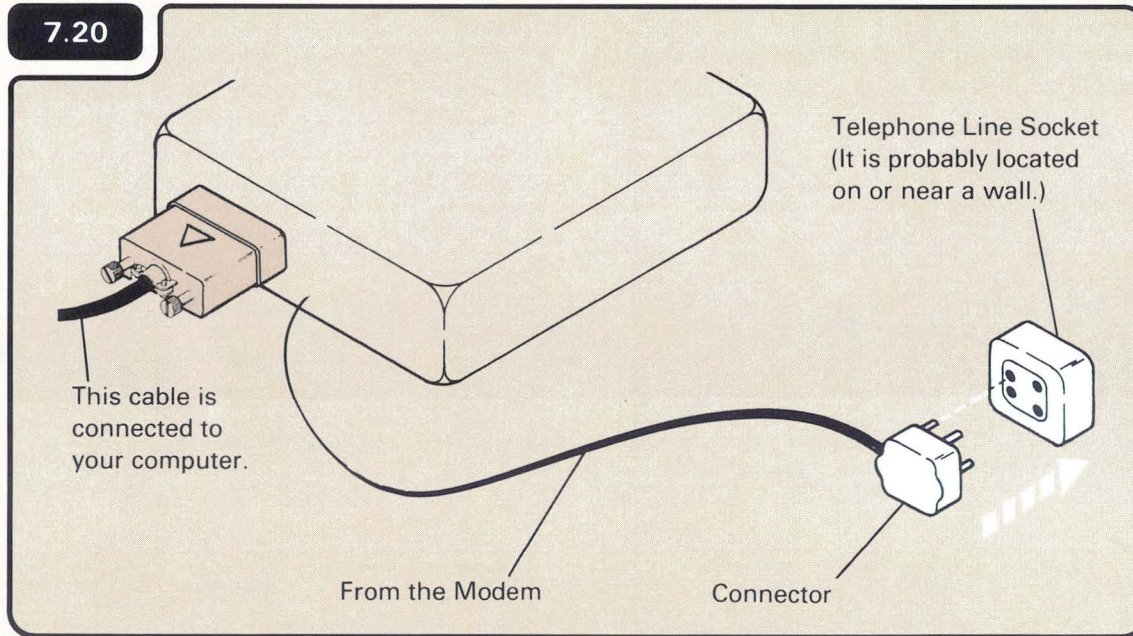
7.19

Push the connector straight in; then, alternately tighten the screws.





7.20



The telephone line socket should have been installed before setup. If it was not, contact the person responsible for telephone line connection.

The telephone line socket shown is only one of several types that are available.

7.21

Do you have another communications cable to connect?

YES

NO

7.2

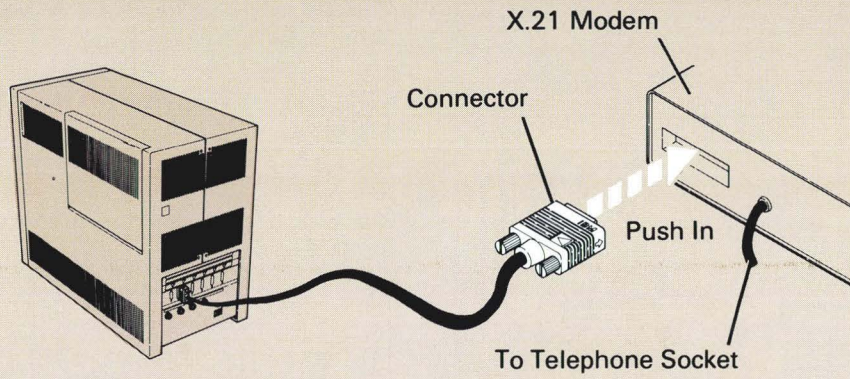
7.26

7



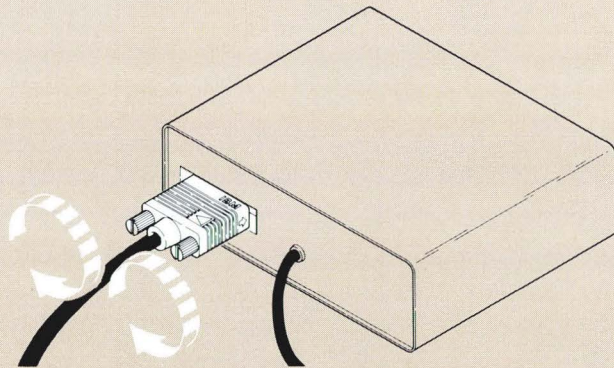
7.22

You have the X.21 or X.25 communications cable.



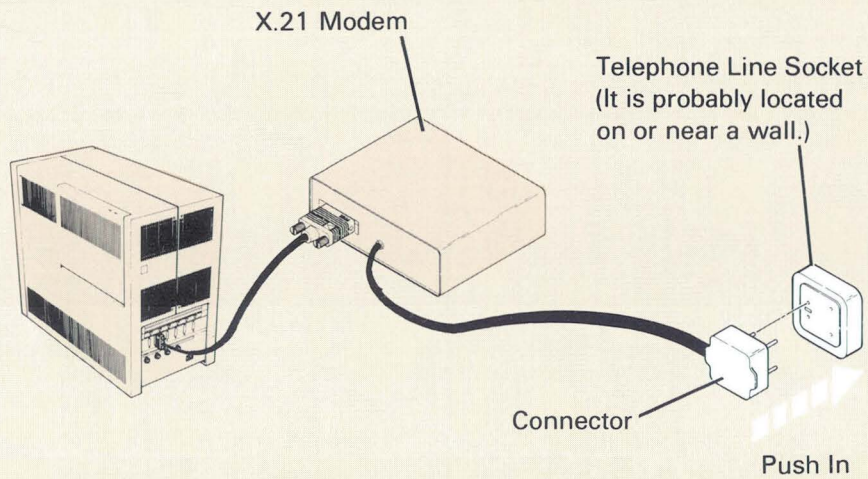
7.23

Push the cable connector straight in; then, alternately tighten the screws.





7.24



The telephone line socket should have been installed before setup. If it was not installed, contact the person responsible for telephone line connection.

The plug and connector are only an example. You might have something different.

7.25

Do you have another communications cable to connect?

YES

NO

7.2

7.26

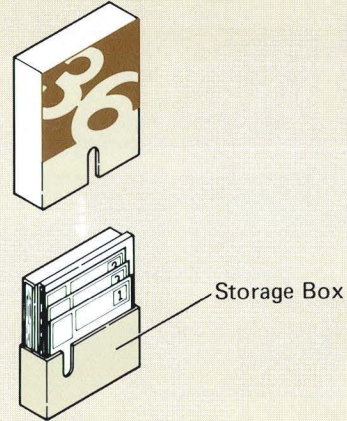
7



7.26

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 C1, D, and F to Forms for Planning, SA21-9446.
3. Select the appropriate path.

You are setting up the computer *for the first time* and have installed the communications feature.

or

You have installed a communications feature on a computer that was set up and running for some time.

7.27

7.28



7.27

Read *Performing the First System Configuration For Your System, SC21-9067*.



7.28

Read *Changing Your System Configuration*, SC21-9052.




8

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 *Workbook 3, Planning to Set Up Your Computer*.

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. Set all Power switches to the Off (O) position.
4. Unplug the power cords from the outlets.
5. Remove the security key from your computer. If necessary, label it.
6. If a display station has the keylock feature, turn the key to the locked position and remove the key. If necessary, label it.
7. 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.

 Section 8 Continued

8



8. 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.

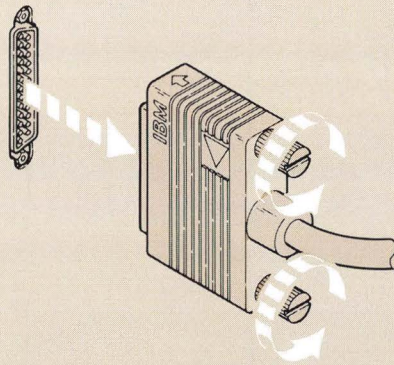
If you need longer work station cables at your new location, order these as soon as possible, as described in Workbook 3, *Planning to Set Up Your Computer*, SA21-9476.

**CAUTION**

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

9. Disconnect each cable.


- a. To disconnect the work station cables, turn the retaining ring counterclockwise until it is loose; then, pull the cable out.
- b. Coil each cable and wrap with tape.
- c. To disconnect the communications cable(s), loosen the thumbscrews and pull the connector out.



For information on making labels, see Workbook 8, *Planning to Receive Your Computer*, SA21-9477.

Section 8 Continued



- 
10. When you set up the computer again, use this manual.
  11. For relocating instructions for another device, see the manual that accompanies that device.
  12. If your computer has communications, you might need to call the telephone company.







## Section 9. Responding to System Reference Codes and Other Problems

9

If a problem occurs during setup, this section contains procedures that will help you find the problem. These procedures are:

9.A No Power On Light .....	124
9.B A 5362 System Reference Code Did Not Appear on the Computer Output Display .....	125
9.C Display 01 or 02 Does Not Appear on the System Console .....	128
9.D Work Station Addresses and Port Numbers Do Not Match .....	131
9.E Information Cannot be Entered From the Keyboard and Displayed .....	133
9.F System Reference Codes .....	135
9.G Preparing the Printers for System Checkout.....	150
5219 Printer .....	151
5224 Printer .....	155
5225 Printer .....	157
5256 Printer .....	158
9.H Faulty 2K Segments in Main Storage .....	160

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.

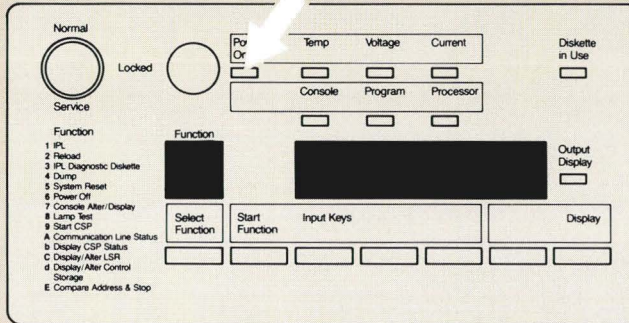
9



## NO POWER ON LIGHT

### 9.A

Power On light (should glow green when on).



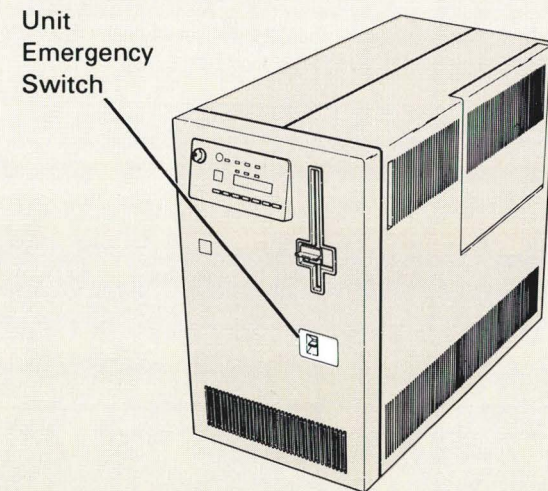
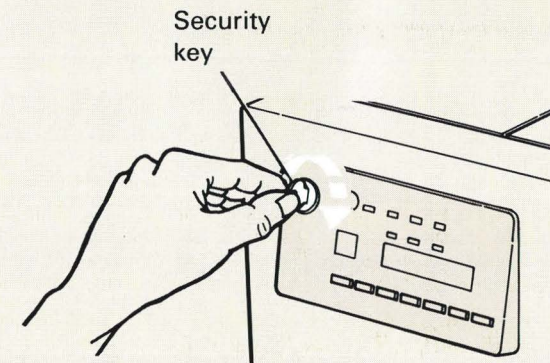
Cause: One of the following conditions exists:

- 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 ( **2.7** ).
- The Unit Emergency switch is not set to the Power Enable position ( **5.5** ).
- There is no power to the electrical outlet.

Action:

1. Check the above causes.
2. Return to **5.6** 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 6, *Checking Out Your System*, return to **6.5**.



# A 5362 SYSTEM REFERENCE CODE DID NOT APPEAR ON THE COMPUTER OUTPUT DISPLAY

## 9.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 **9.A** in this section.

3. Did you wait five minutes?

YES



Step 7 (on this 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 **9.C** (in this section).

5. Is the system reference code 5099 or CFd2?

YES



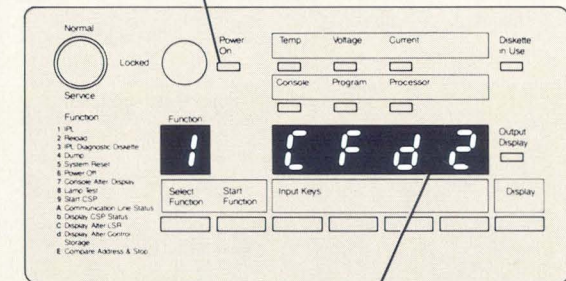
Step 6 (on this page)

NO



Record the code here \_\_\_\_\_ and go to **9.F** in this section.

Power On Light



System Reference

Code ( **CFd2** example)

Section 9B Continued



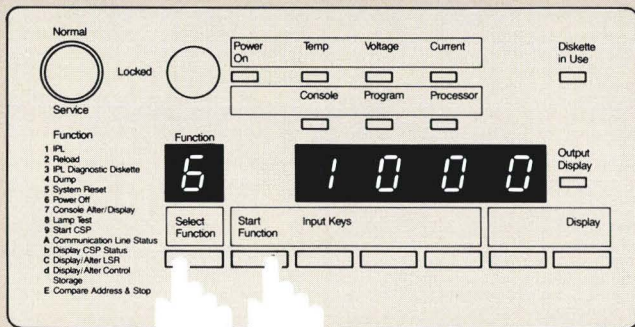
6. Make sure of the following:

- 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).

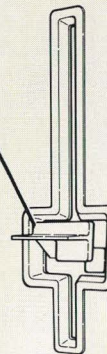
7. Record the code if one is displayed: \_\_\_\_\_ (Write the code here.)
8. Turn off the computer.

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




- b. Press the Start Function key.

Diskette Locking Lever



Section 9B Continued





c. Return to **5.6** 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?

YES



**5.11**

NO



**9.C**



## DISPLAY 01 OR 02 DOES NOT APPEAR ON THE SYSTEM CONSOLE

### 9.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:
  - Not connected
  - Connected improperly
  - Connected to the wrong socket or port
  - Defective
- The Terminator switch on the system console is set to 2 (see note).

**Note:** 3180 Model 2, 5553, 5555, and display stations with one socket do not have Terminator switches.

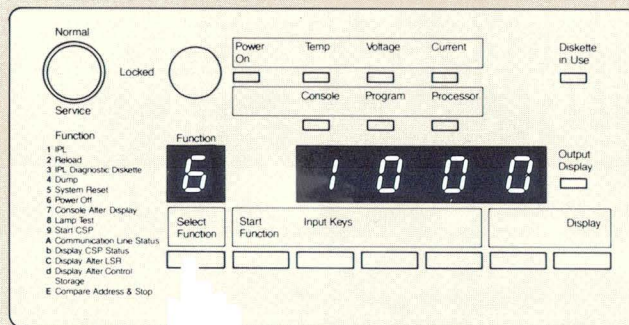
▶ *Section 9C Continued*



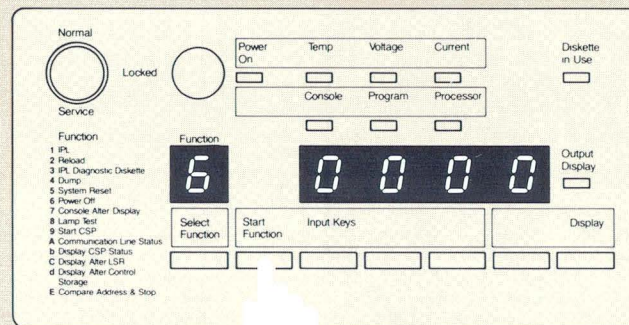
**Action:**

1. Turn off the computer:

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 **5.6** and try again.

Section 9C Continued



- 
4. If you cannot get display 01 or 02 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 switches to 0 and the Terminator switch to 1 (if the display station has these switches).

5. Did display 01 or 02 appear on the new system console?

YES



(display 01)

**5.11**

NO



Step 6 (on this page)

OR

(display 02)

**6.10**

6. You cannot continue the system checkout. Call your hardware service representative and report the problem.

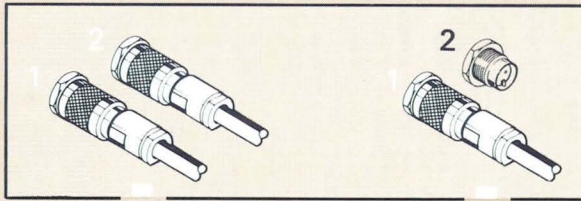


## WORK STATION ADDRESSES AND PORT NUMBERS DO NOT MATCH

### 9.D

Do the following for each device that is not shown on display 61:

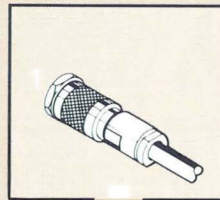
1. Make sure the Power switch on each display station and printer is set to the I (On) position.
2. Make sure each work station is plugged into an outlet.
3. Make sure the keylock is turned to the On position (see the setup manual for that device).
4. Check the work station address switches to make sure 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.
5. Check the Terminator switches.



If two cables are connected, set the Terminator switch to 2.

If one cable is connected, set the Terminator switch to 1.

OR




Display stations and printers with only one socket do not have Terminator switches.

Results of the checkout program can be unpredictable if the address switches are not set correctly.


Section 9D 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 have made the above checks, do the following:
  - a. Press the  key at the system console to update display 61.
  - b. Go back to **6.14**.

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  key on the system console.
- d. Continue the system checkout ( **6.20** ).
- e. Call your hardware service representative after you have completed the system checkout.

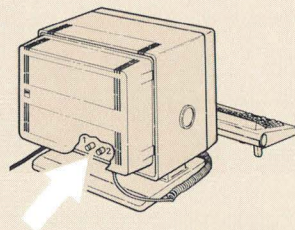
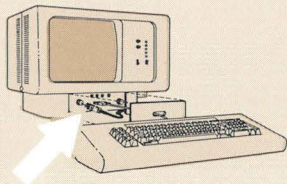
**Note:** You might also consider trying a different cable to help find the problem area.



## INFORMATION CANNOT BE ENTERED FROM THE KEYBOARD AND DISPLAYED

9.E

1. Check the keyboard cable connection on the display station that you are working with.



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



6.17

OR

5.11

(see additional information)

NO



5. (on this page)

5. Record the address and port number of the failing display station: \_\_\_\_\_ (Write the address and port number here.)

If there is no keyboard cable connection to the display station, try swapping the system console with another display station.

Return to **5.11** if you had trouble selecting option 1 at the system console.

Section 9E Continued





6. After you have completed system checkout, call your hardware service representative and report the failing device.

7. Do you have another display station to check?

YES



6.17

NO



6.19



## RESPONDING TO A SYSTEM REFERENCE CODE

9.F

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

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.

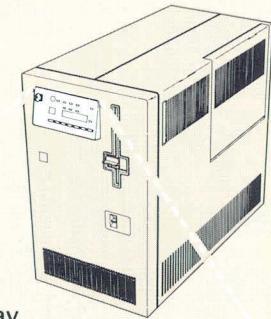
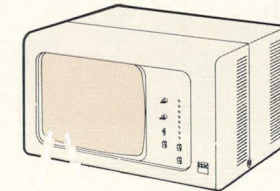
0016

**Cause:** The Field Minus key  was pressed in a nonsigned numeric field.

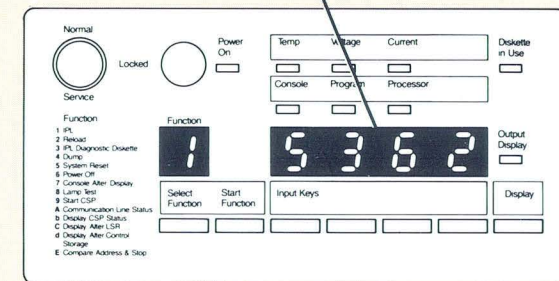
**Action:** Press the Error Reset key.

A system reference code can appear on the computer output display or system console.

System Console



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.

Section 9F Continued





0019

**Cause:** The Dup key was pressed in a field where it is not allowed.

**Action:** Press the Error Reset key.

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.

240E

**Cause:** An IBM program error occurred.

**Action:** Call your program support representative.



*Section 9F Continued*





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.

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.

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.

 *Section 9F Continued*





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.

2455

**Cause:** A hardware error occurred.

**Action:** Perform IPL again. If you get the same reference code gain, call your hardware service representative.



*Section 9F Continued*





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.

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.



*Section 9F Continued*





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.

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.

 *Section 9F Continued*





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/Rec Adv key to try again.
4. If 5030 is displayed again, record the error message, select option 0 on display 72, and press the Enter/Rec Adv 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 have completed this section, call your hardware service representative and report the problem.

5. Return to **6.25**



Section 9F Continued





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.

5100

**Cause:** An error occurred at a display station.

**Action:**

1. Press the Enter/Rec Adv 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.

 *Section 9F Continued*



3. Press the Enter/Rec Adv key to bypass the error condition.
4. After you have completed 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/Rec Adv key to bypass the error condition.
4. After you have completed system checkout, call your hardware service representative and report the system reference code and printer address.
5. Return to **6.17**



*Section 9F 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/Rec Adv 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/Rec Adv 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/Rec Adv key at the system console to try again.

 *Section 9F Continued*




- 
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/Rec Adv key at the system console to bypass the error condition.

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/Rec Adv 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/Rec Adv key at the system console to bypass the error condition.

 *Section 9F Continued*





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/Rec Adv 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/Rec Adv key at the system console to bypass the error condition.

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/Rec Adv 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.



*Section 9F Continued*



- 
4. Turn off the printer.
  5. Press the Enter/Rec Adv 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/Rec Adv 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/Rec Adv key at the system console to bypass the error condition.

5288

**Cause:** The printer has a ribbon jam.


**Action:**

1. Go to the printer operator's manual and respond to the ribbon jam.



*Section 9F Continued*




- 
2. Press the Enter/Rec Adv 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/Rec Adv key at the system console to bypass the error condition.


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.

5362

**Cause:** The system console is not working or is not connected properly to the computer.

**Action:** Go to **9.C**



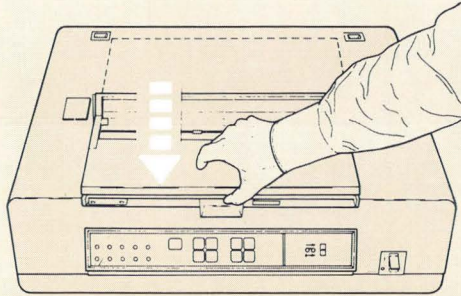




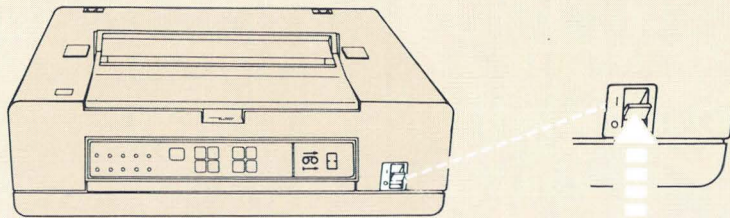
## 5219 PRINTER

### 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 manual.

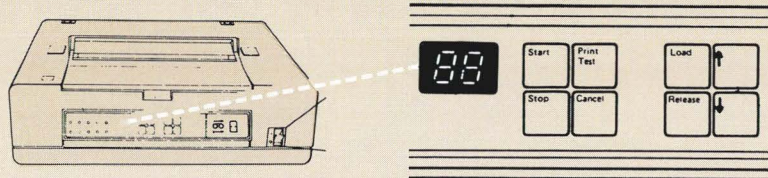
If you have no attachment when you start system checkout, the system may prompt you for paper even if you already have paper loaded in the printer (the Load Paper light comes on). In this case, press the Start key.

Section 9G 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 setup manual for the 5219 Printer. If you cannot correct the problem using the 5219 setup manual, turn the printer off and call your service representative after you have completed system checkout.

3. Is paper inserted into the printer?

YES



Go to next page

NO



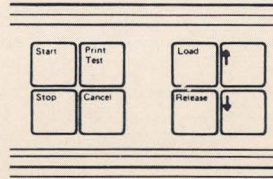
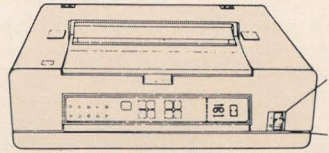
Step 6 (page after next)



Section 9G Continued



4. Press the Start key.



5. Do you have another 5219, 5224, 5225, or 5256 Printer to prepare for system checkout?

YES



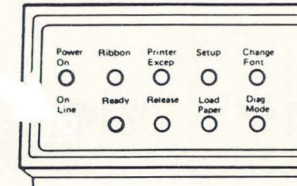
Go to the next printer and prepare it for system checkout.

NO



6.4

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.

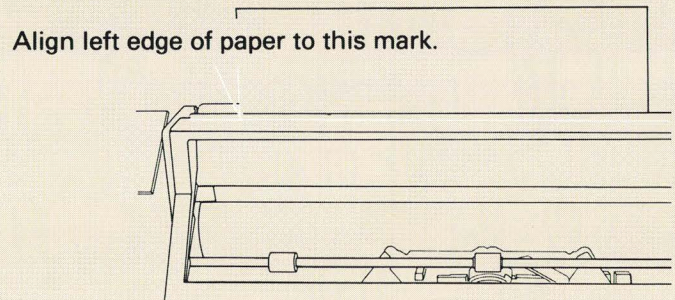


Section 9G Continued

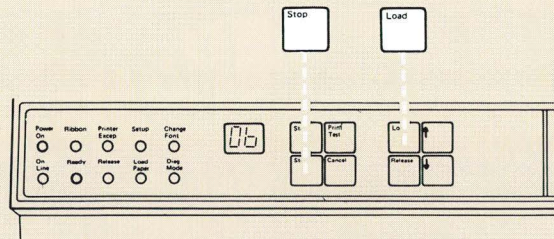




6. Insert two or three forms (continuous—cut) into the printer by performing the following steps:
  - a. Align the left edge of the paper with the triangle on the printer.
  - b. Insert the paper until it stops.



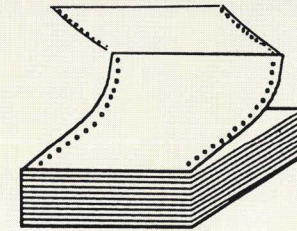
- c. Press the Stop key and then the Load key. The paper automatically feeds into the printer.



Your printer is ready for system checkout.

- d. Return to step 2 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.

**Note:** The paper is loaded for system checkout.

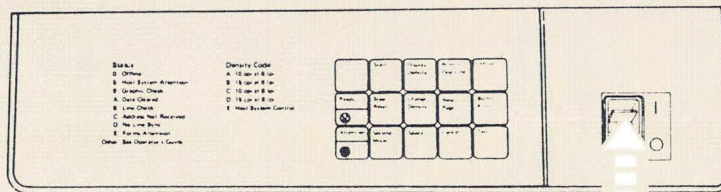


# 5224 PRINTER

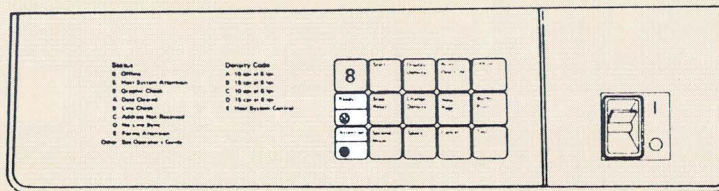
## Preparing the IBM 5224 Printer for System Checkout

1. Set the 5224 Power switch to the O (Off) and then to the I (On) position.

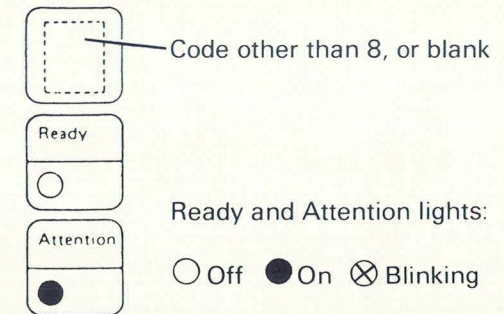
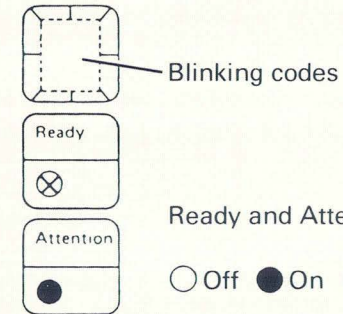
The Attention light turns on, several display codes blink on and off, then the Ready light blinks.



After 1 minute, the Ready light stops blinking and the Attention light remains on.



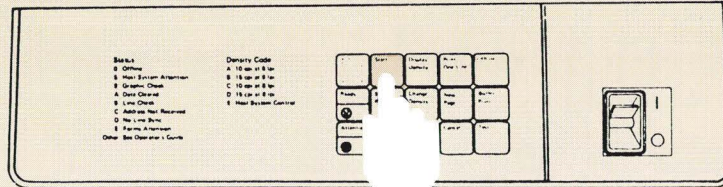
Be sure the IBM 5224 Printer is set up and paper inserted.



Section 9G Continued



2. Press the Start key. The Ready light turns on and the Attention light turns off. Your printer is ready for system checkout.



3. Do you have another 5219, 5224, 5225, or 5256 Printer to prepare for system checkout?

YES

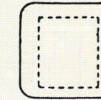


NO

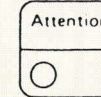
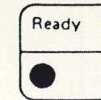


6.4

Go to the next printer and prepare it for system checkout.



This might not be blank (no code).  
A code might be displayed.



Ready and Attention lights:

○ Off ● On ⊗ Blinking



## 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 Online position.
3. Set the Power switch to the I (On) position.

Wait for the 5225 Attention indicator to come on; then, several characters will be 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 5219, 5224, 5225, or 5256 Printer to prepare for system checkout?

YES



Go to the next printer and prepare it for system checkout.

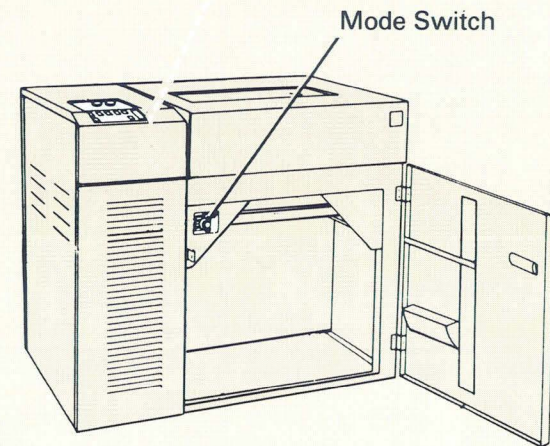
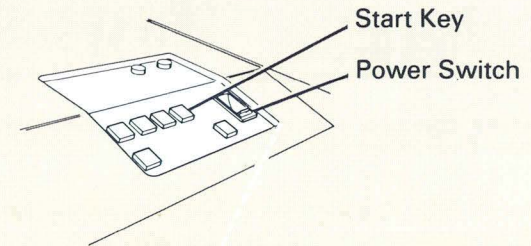
NO



6.4

Be sure the 5225 Printer is set up and paper inserted.

The Mode switch is inside the front cover.



**Note:** If the events described do not occur, refer to *Solving Printer Problems* in the *IBM 5225 Printer Operator's Guide*.

Section 9G Continued







4. Do you have another 5219, 5224, 5225, or 5256 Printer to prepare for system checkout?

YES



Go to the next printer and prepare it for system checkout.

NO



6.4



# FAULTY 2K SEGMENTS IN MAIN STORAGE

9.H

Look at the number near the bottom of display 02. Is the number greater than 7?

YES

NO

5.16

Will you be installing the Main Storage feature?

YES

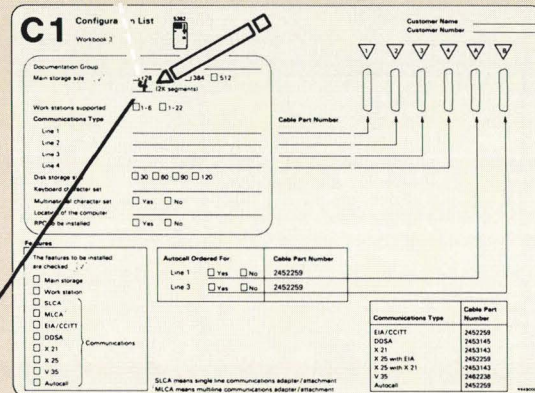
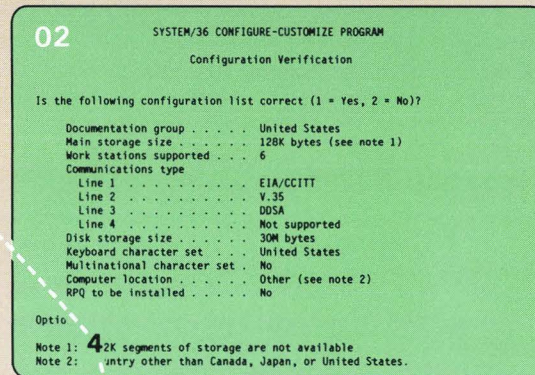
NO

You cannot continue with setup.  
Call your service representative  
and report the problem.

You can continue with setup. However, the main storage card in your computer does have seven or more than seven defective 2K segments.

Do the following:

1. Record on Form C1 the number you see on display 02.
2. After setup, call IBM and report the defective main storage card.
3. Go to **5.16**





10

## Display Station Keyboard

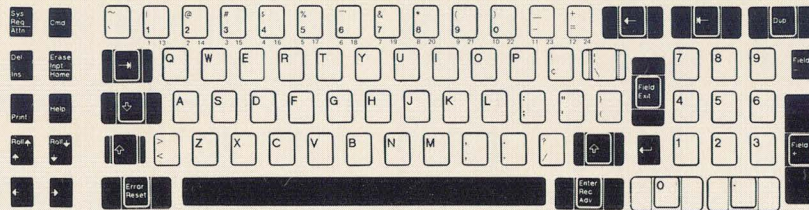
The display station keyboard contains several types of keys. The following description describes only those keys you will use during checkout.

### 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 10 Continued

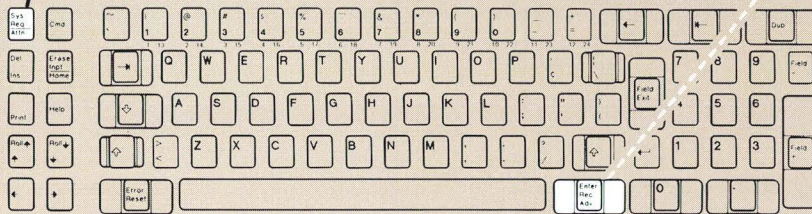




**Enter/Rec Adv Key:** This key tells the computer that you are ready to send data or tell the computer to display the next prompt or menu (these will be explained later).

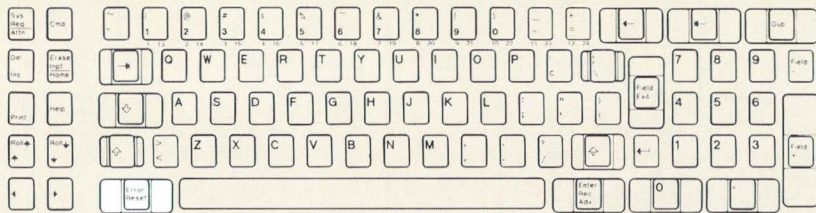


During the checkout procedure, you will be using the Sys Req/Attn key to return to the beginning of the checkout program.



*Section 10 Continued*





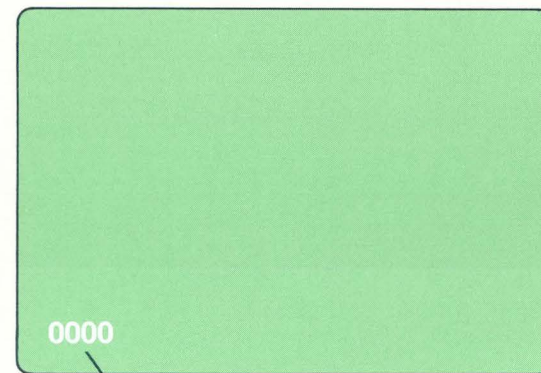
**Error Reset Key:** If you make a mistake and a system reference code appears on the display screen, don't worry. The Error Reset key allows you to start again. Instructions within the setup procedure tell you what to do when an error occurs.

### Display Screen

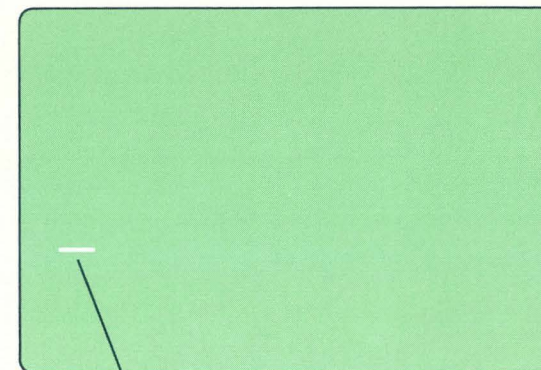
Each machine that has a keyboard also has a display screen that looks like a television screen. Sometimes you can use the keyboard to give instructions to the computer by filling in blanks on the display.

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.



System Reference Code



Cursor

Section 10 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 ENTER/REC ADV key.

1. Austria/Germany          10. Japan (Japanese)
2. Belgium (Dutch)         11. Netherlands
3. Belgium (French)        12. Norway
4. Canadian French         13. Portugal
5. Denmark                  14. Spain
6. Finland                  15. Spanish Speaking
7. France                   16. Sweden
8. Italy                     17. United Kingdom
9. Japan (English)         18. United States

Option: _

```

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/Rec Adv key after reading the explanation in the prompt.

```

61          SYSTEM/36 CHECKOUT PROGRAM
          Work Station

Compare the following with your local work station diagram.

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

D = Display station
P = Work station printer

This shows all correctly installed work stations at this time.

Press ENTER/REC ADV key to continue/update.
Press SYS REQ/ATTN key to return to selection menu.

```



Section 10 Continued



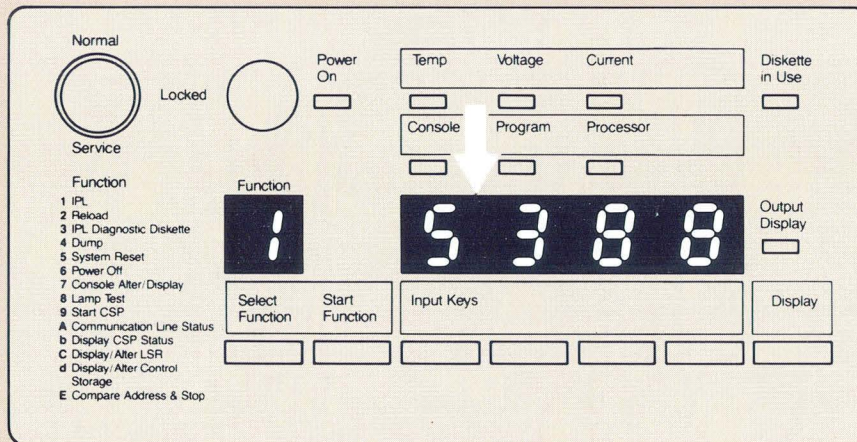
Also, each display (menu or prompt) has an identification number. This is how you can identify one display from another.

### System Reference Code

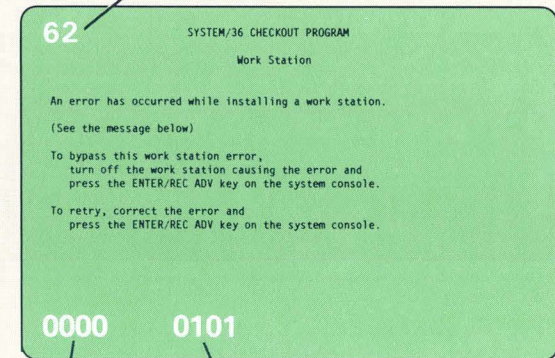
The computer displays a system reference code to tell you something about the operation of the computer. The reference code can appear at the bottom of the screen on the system console or on the computer output display.

Instructions for responding to a system reference code are explained in **9.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 10 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**



**READER'S COMMENT FORM**

**Please use this form only to identify publication errors or to request changes in publications.** Direct any requests for additional publications, technical questions about IBM systems, changes in IBM programming support, and so on, to your IBM representative or to your nearest IBM branch office.

Page number(s):

Comment(s):

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Area Code

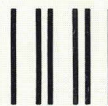


Cut Along Line

Fold and tape

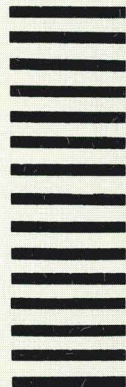
Please do not staple

Fold and tape



NO POSTAGE  
NECESSARY IF  
MAILED IN THE  
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## Setting Up Your Computer

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