

Setting  
Up  
Your  
Computer

5360



System/36

**When You Are:**

Planning to  
Install Your  
Computer

**Getting Your  
Computer  
Ready to Use**

Updating/Changing  
Your Computer

Operating  
Your Computer

Operating  
and Using  
the Utilities

**You Can Find Information In:**

What to Do Before Your Computer Arrives  
or  
Converting from System/34 to System/36

**Setting Up Your Computer**

Installing Your New Features--5362  
Performing the First System Configuration  
for Your System  
System Security Guide

Planning for New Devices and Programming  
at Release x<sup>1</sup>  
Changing Your System Configuration  
Updating to a New Release

Learning About Your Computer  
Operating Your Computer

Source Entry Utility Guide  
Data File Utility Guide  
Creating Displays  
Work Station Utility Guide  
Utilities Messages

**When You Are:**

Doing  
Office  
Tasks

Programming  
Your Computer

Communicating  
with Another  
Computer or  
Remote Device

Determining  
the Cause  
of a Problem

**You Can Find Information In:**

System/36 in the Office  
Getting Started with Interactive Data  
Definition Utility  
Getting Started with Query/36  
Getting Started with DisplayWrite/36  
Getting Started with Personal Services/36

Concepts and Programmer's Guide  
System Reference  
Sort Guide  
Work Station Utility Guide  
Remote Operation/Support Facility Guide  
System Measurement Facility Guide  
(language manuals)  
(language message manuals)

(communications manuals)  
(communications message manuals)

System Messages  
(message manuals)  
System Problem Determination

<sup>1</sup> x = Release number



Title: Setting Up Your Computer  
 Order number: SA21-9430-2

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Your comments can help us produce better manuals. Please take a few minutes to evaluate this manual as soon as you become familiar with it. Circle Y (Yes) or N (No) for each question that applies. IBM may use or distribute whatever information you supply in any way it believes appropriate without incurring any obligation to you.

**FINDING INFORMATION**

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

Y N Is the index complete?  
 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?  
 \_\_\_\_\_

Y N Does the manual refer you to the appropriate places for more information?  
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 \_\_\_\_\_

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Y N Is the purpose of this manual clear?  
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 \_\_\_\_\_

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 Which examples are unclear?  
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 Which topics do not apply?  
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 What information is inaccurate?  
 \_\_\_\_\_

Y N Is the information complete?  
 What information is missing?  
 \_\_\_\_\_

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

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

Y N Is the format of the manual (shape, size, color) effective?  
 What would make the format more effective?  
 \_\_\_\_\_

**OTHER COMMENTS**

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

**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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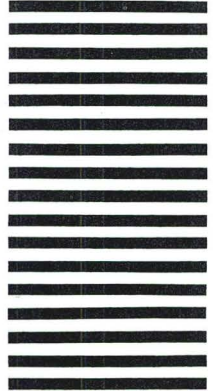
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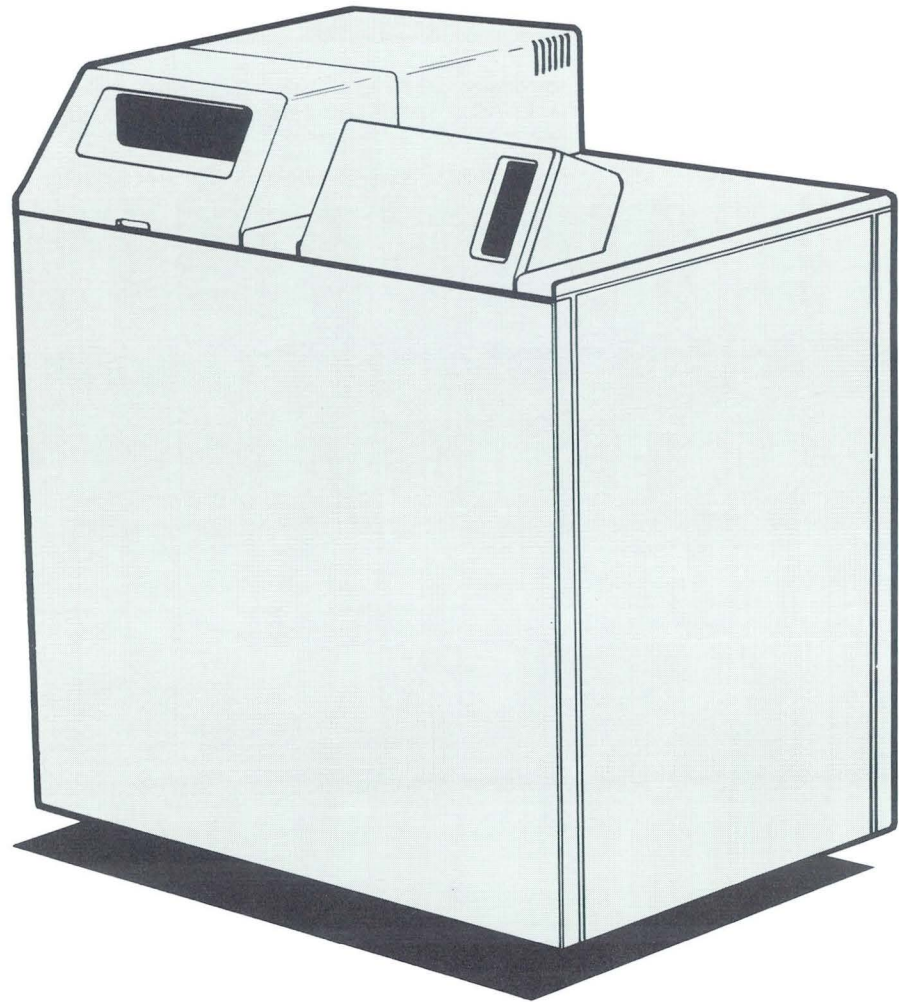


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**IBM** System/36

**Setting Up Your Computer**



File Number  
S36-00

Order Number  
SA21-9430-2

**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.*

### **Third Edition (March 1985)**

Changes are periodically made to the information herein; any such changes will be reported in subsequent revisions or Technical Newsletters.

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<b>ABOUT THIS MANUAL</b> .....	v
Who should use this manual .....	v
How this manual is arranged .....	v
What you should know .....	v
If you need more information .....	v
<b>HOW TO USE THIS MANUAL</b> .....	vii
<b>SECTION 1: WHAT MUST BE DONE BEFORE SETUP</b> .....	1
If you are attaching an 8809 Tape Drive to a computer that is set up already, go to <b>1.9</b> .	
<b>SECTION 2: SETTING UP AND CHECKING OUT YOUR COMPUTER</b> .....	9
Setting Up Your Computer .....	10
Checking Out Your Computer .....	14
<b>SECTION 3: CONNECTING THE CABLES TO THE COMPUTER</b> .....	21
<b>SECTION 4: CONNECTING THE CABLES TO YOUR DISPLAY STATIONS AND PRINTERS</b> .....	35
<b>SECTION 5: CHECKING OUT YOUR SYSTEM</b> .....	77
<b>SECTION 6: CONNECTING THE COMMUNICATIONS CABLE(S)</b> .....	111
<b>SECTION 7: RELOCATING YOUR COMPUTER</b> .....	133

<b>SECTION 8: RESPONDING TO SYSTEM REFERENCE CODES AND OTHER PROBLEMS</b> .....	137
8.A System/36 Power Indicator is Not On .....	138
8.B A System Reference Code Other Than 5360 is Displayed .....	139
8.C Basic Computer Operating Information .....	140
Display Station Keyboard .....	140
Character Keys .....	140
Function Keys .....	140
Display Screen .....	142
Menus and Prompts .....	143
System Reference Code .....	144
What to Do If a Machine Does Not Work .....	145
8.D The 3262 Power Indicator or Ready Light is Not On .....	146
8.E Display 01 (Device Selection Menu) Does Not Appear .....	147
8.F Work Station Addresses and Port Numbers Do Not Match .....	150
8.G Displayed or Printed Address or Port Number is Incorrect or Missing .....	153
8.H Information Cannot be Entered From the Keyboard and Display .....	155
8.I System Reference Codes .....	157
8.J Preparing the Printers for System Checkout .....	175
Preparing the IBM 4214 Printer Model 2 for System Checkout .....	176
Preparing the IBM 5219 Printer for System Checkout .....	178
Preparing the IBM 5224 Printer for System Checkout .....	181
Preparing the IBM 5225 Printer for System Checkout .....	183
Preparing the IBM 5256 Printer for System Checkout .....	184
Preparing the IBM 5262 Printer Model 1 for System Checkout .....	186
<b>APPENDIX A: CONNECTING THE PERSONAL COMPUTER CABLES TO YOUR SYSTEM/36</b> .....	189





# About This Manual

## Who should use this manual . . .

This manual contains the step-by-step procedures needed by the person responsible for 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 6 present the steps required to set up System/36. Section 7 contains information for relocating the system. Section 8 lists the instructions for responding to system codes and indicators during setup and checkout. Also included is 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*, SC21-9022.

## If you need more information . . .

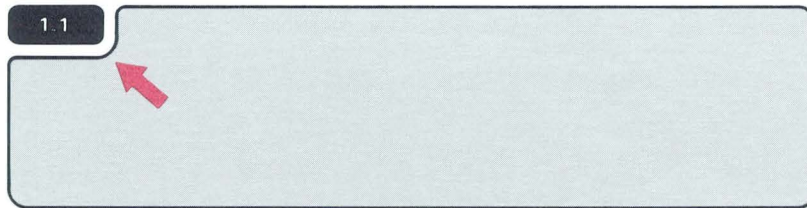
If you need more information about setting up your computer, see *What to Do Before Your Computer Arrives*, SBOF-4773.



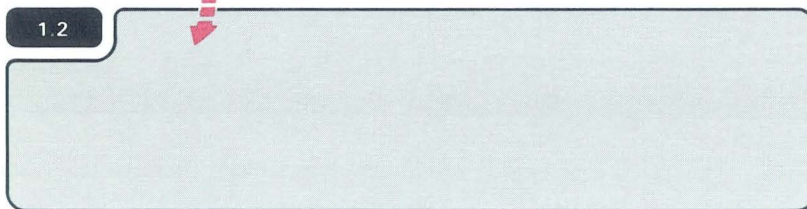
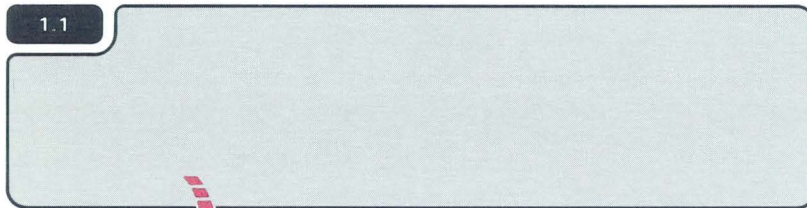


## How to Use This Manual

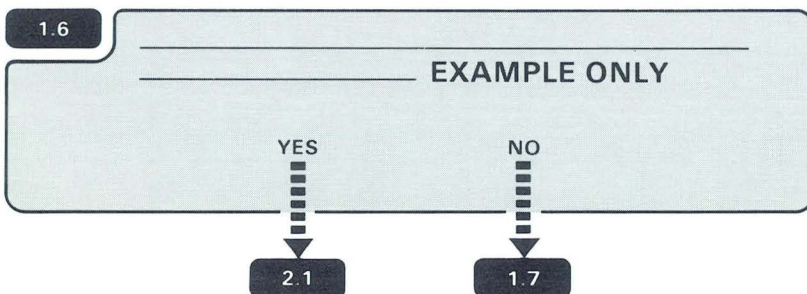
Each step that you perform is identified with two numbers. The first number identifies the section and the second number identifies the step within that section.



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



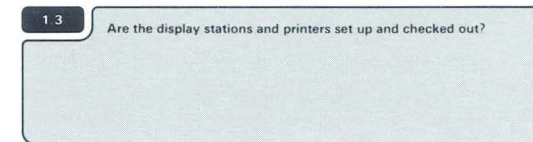
Some steps will ask you questions. Depending on how you answer the question, you might not always go to the next step.



**Note:** Each step that you perform in Section 8 is identified by a number followed by an alphabetic character. The number identifies the section and the character identifies the step within that section.

Words and art that appear to the right of each step are additional information you might need to complete the task. 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 in the text 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 near 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.

**Note:** If you are attaching an 8809 Tape Drive to a computer that is set up already, go to **1.9**.

1

1.2

### Safety Precaution

Your computer weighs between 289 kilograms (635 pounds) and 612 kilograms (1350 pounds); **NEVER ATTEMPT TO MOVE IT BY YOURSELF.**

1.3

### Setup Checklist

Before you begin to set up your computer, check with the system manager to make sure the following items have been completed.

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

1.4

- Are the grounded electrical outlets installed?
- Has the Maintenance Library box (that came with the computer) been stored somewhere near the computer?

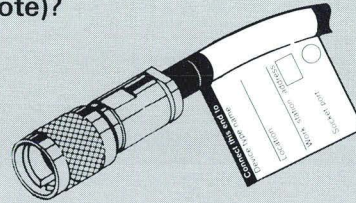
### SAFETY PRECAUTION

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



1.5

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



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*, SA21-9442.

1.6

- Do you have completed copies of Forms D (see note) and F?

**D Local Floor Plan**  
Customer Name \_\_\_\_\_  
Customer Number \_\_\_\_\_  
Workbook 3  
Company Name \_\_\_\_\_  
System Operator \_\_\_\_\_  
Telephone \_\_\_\_\_  
Address \_\_\_\_\_  
City, State \_\_\_\_\_  
1 mm - 50 mm

**F Local Work Station Diagram**  
Customer Name \_\_\_\_\_  
Customer Number \_\_\_\_\_  
Workbook 3, 5

Device Type	TYPE	SA
System Printer	Yes [ ] No [ ]	
Plot Card Reader		
Terminal Table Name		

Diagram showing workstation layout with numbered boxes (0-6) and connecting lines.

Forms D and F are part of the *Forms for Planning*, SA21-9446.

**Note:** If you are replacing your System/34 with a System/36, you will not need the cable labels or Form D.

1.7

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

YES



2.1

NO



1.8

For special instructions on setting up the display stations, printers, and tape drives, see Workbook 8 in the planning packet, *What to Do Before Your Computer Arrives*, SBOF-4773.

1



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

**Notes:**

1. When you set up a display station, work station printer, or controller (using the setup manual for that device), perform only the basic setup task for that device. Basic setup means connecting the keyboard cable to the display station, plugging in the power cord plug, adding optional paper feeding devices (such as an automatic sheet feed or tractor feed to the 5219 Printer), and so on.

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

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

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

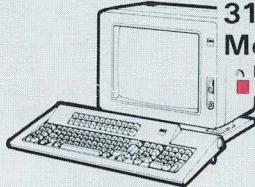

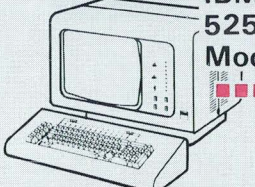
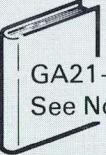

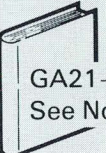
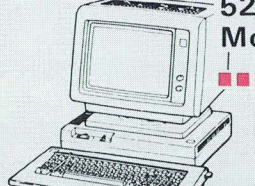

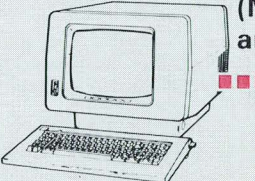
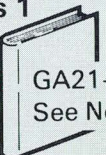
2. The Personal Computer must be set up and the Display Station Emulation Adapter or Enhanced Display Station Emulation Adapter installed before you can attach the Personal Computer to the 5360 Computer.

3. The 5551 System Unit must be set up before you can set up the 5555 Display, 5553 Printer, or 5557 Printer. Instructions for setting up the 5551 System Unit, 5555 Display, 5553 Printer, and 5557 Printer are in the following manuals:

- *IBM 5550 System Setup Instructions*, N: GA18-2166
- *IBM 5553 Printer Setup Instructions*, N: GA18-2192
- *IBM 5557 Printer Setup Instructions*, N: GA18-2174

4. When you set up a 3262 Printer or 8809 Tape Drive, complete all of the procedures in those device manuals.

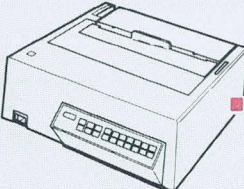
- **When you have set up all of your display stations and printer(s), go to **2.1** in this manual.**

Device	Manual/Tasks to Complete
 <p>IBM 3180 Model 2</p>	 <p>GA21-9469 See Note 1</p>
 <p>IBM 5251 Model 11</p>	 <p>GA21-9286 See Note 1</p>
 <p>IBM 5291</p>	 <p>GA21-9408 See Note 1</p>
 <p>IBM 5291 Model 2</p>	 <p>GA21-9802 See Note 1</p>
 <p>IBM 5292 (Models 1 and 2)</p>	 <p>GA21-9415 See Note 1</p>



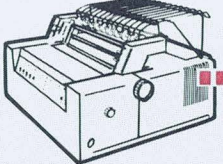
Device	Manual/Tasks to Complete	Device	Manual/Tasks to Complete	Device	Manual/Tasks to Complete
--------	--------------------------	--------	--------------------------	--------	--------------------------

**IBM 4214 Model 2**



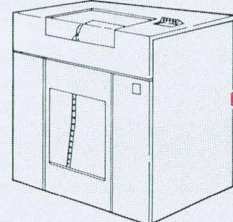
GC31-2565  
See Note 1

**IBM 5256**



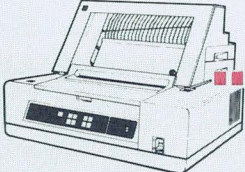
GA21-9290  
See Note 1

**IBM 3262**



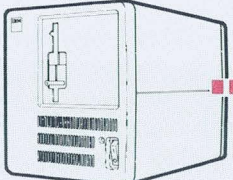
GA24-3924  
See Note 4 (read entire manual)

**IBM 5219**



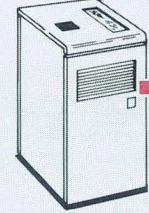
GA23-1008  
See Note 1

**IBM 5551 System Unit**




N: GA18-2166  
See Note 1 and Note 3

**IBM 8809**



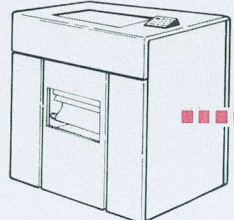
GA32-0070 and GA32-0071  
See Note 4 (read entire manual)

**IBM 5224**



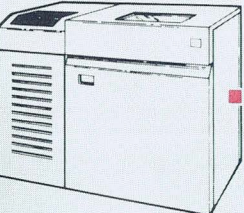
GA34-0093  
See Note 1

**IBM 5262 Model 1**



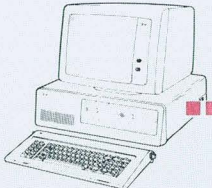
GA24-3978  
See Note 1  
(If you received a small manual with your 5262 Printer Model 1 for attaching your 5262 to the System/36 (Part 6037189), throw it away and use the procedures in this manual instead.)

**IBM 5225**



GA34-0085  
See Note 1

**IBM PC**



IBM Personal Computer *Guide to Operations* and IBM Personal Model 1 Computer *Display Station Emulation Adapter Installation and Problem Determination Procedures* or IBM Personal Computer *Enhanced Display Station Emulation Adapter Installation and Problem Determination Procedures*  
See Note 2



1.9

Select the appropriate path.

You are setting up your computer for the first time.



2.1

You are attaching an 8809 Tape Drive to a computer that is set up already.



1.10

1.10

If you have unpacked and set up your 8809 Tape Drive(s), go to **1.11** .

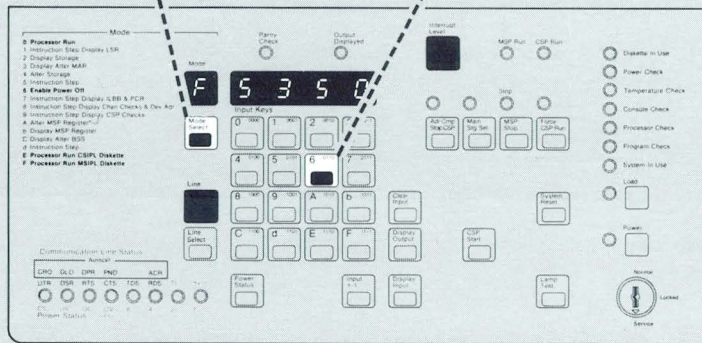
If not, set up your 8809 Tape Drive using the set up manual for that device. (The manual is packed inside the carton on top of the tape drive.)

If you are attaching two tape drives, make sure they are both cabled together before you attach them to the computer.



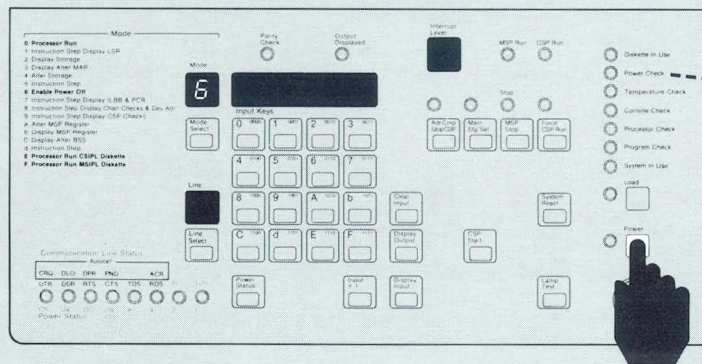
1.11

Press the **Mode Select** key and then the **6 0110** key.



1.12

Press the **Power** key to turn off the computer.



Go to **3.12**.

When you turn off the computer, the cooling fans continue to run for a few seconds. The Power Check indicator might blink. It is a normal condition if the Power Check Indicator blinks while the cooling fans run.







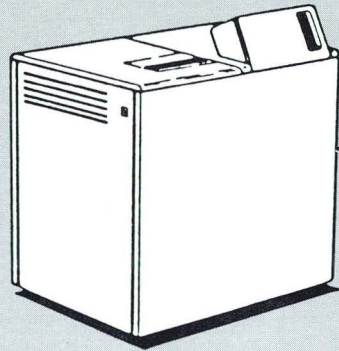
## Section 2: Setting Up and Checking Out Your Computer

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

The computer you set up looks like one of the two computers shown.



Front View

or

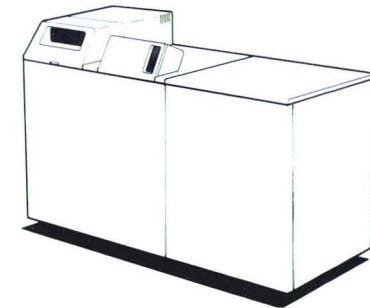


Front View

## SETTING UP YOUR COMPUTER

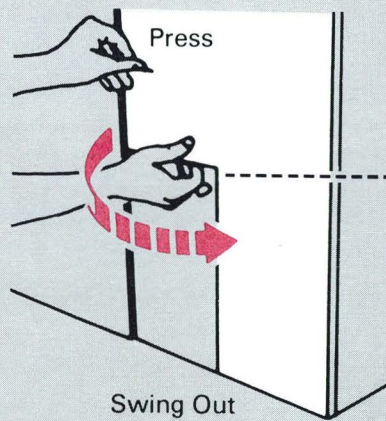
During this setup procedure you will be looking at different views of the computer. If you do not immediately recognize a view, walk around the computer.

**Note:** Your computer might have a disk drive attached to it like the one shown below.

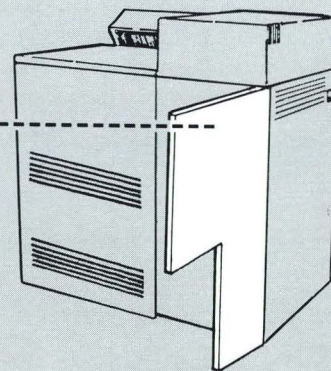


2.2

Open the panel on the back of the computer.



Swing Out

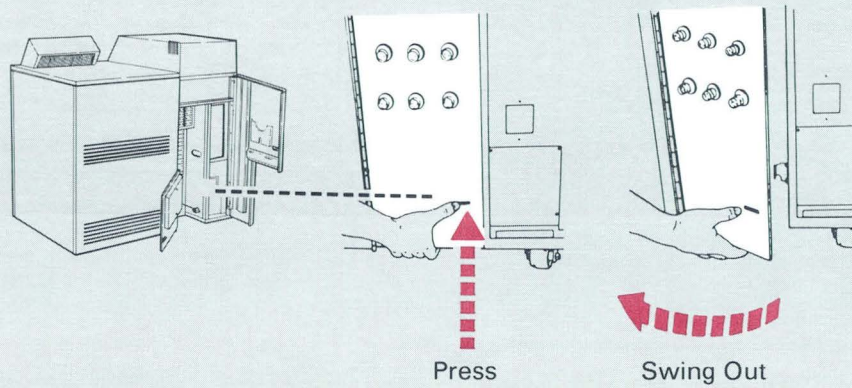


Back View



2.3

Open the work station port panel.

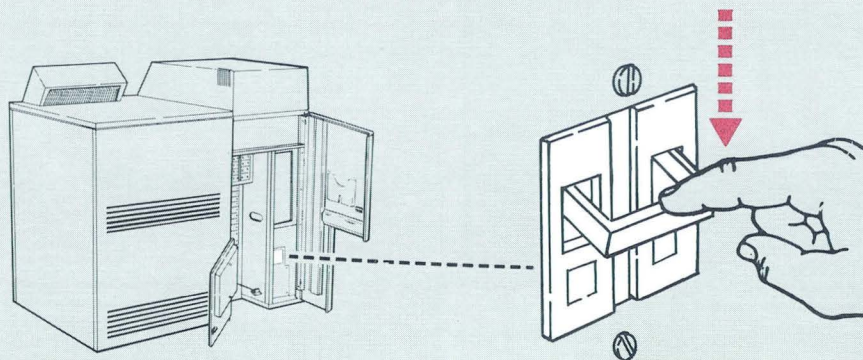


The work station port panel is where the work station cables attach to the computer.

2

2.4

Make sure that the Circuit Breaker switch is down.

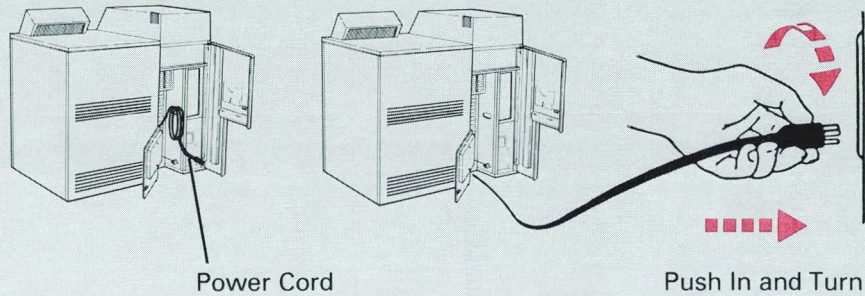


For World Trade Countries: You might have a dual phase circuit breaker.



## 2.5

### Remove and plug in the power cord.



The power plug is a locking plug and must be turned clockwise after it is pushed in.

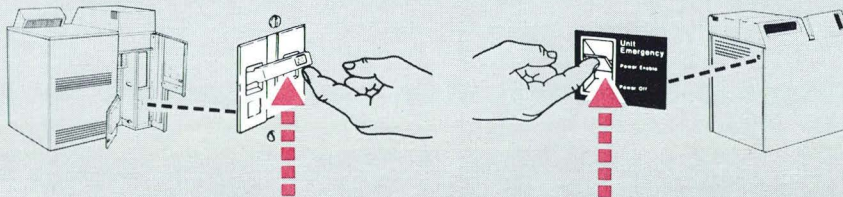
For World Trade Countries:

The power plug cannot be twisted to the right after it is plugged in.

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

## 2.6

- Push the Circuit Breaker switch up.
- Make sure that the Unit Emergency switch is set to the Power Enable position.

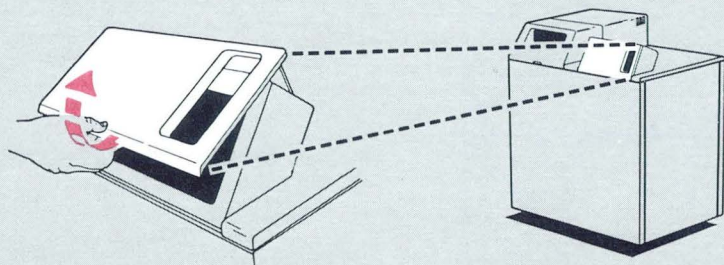


After the Unit Emergency switch is set to the Power Enable position, use this switch only during an emergency to turn off the computer.



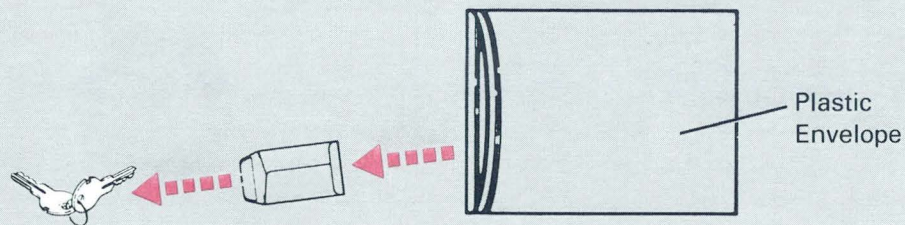
2.7.

Open the operator panel cover.



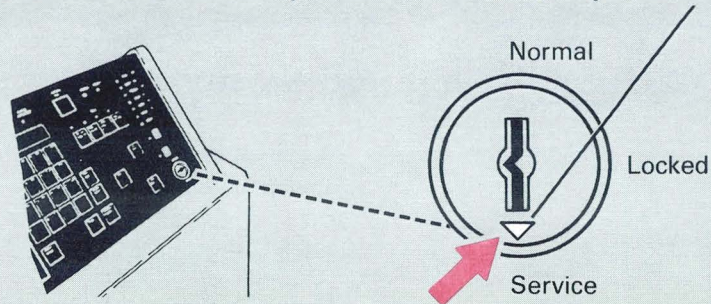
2.8.

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



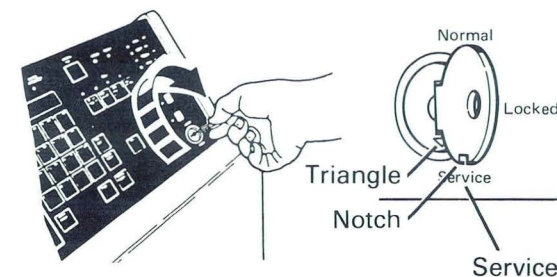
2.9.

Make sure the security lock is in the Service position.



The keys are in the same plastic envelope where you found this manual.

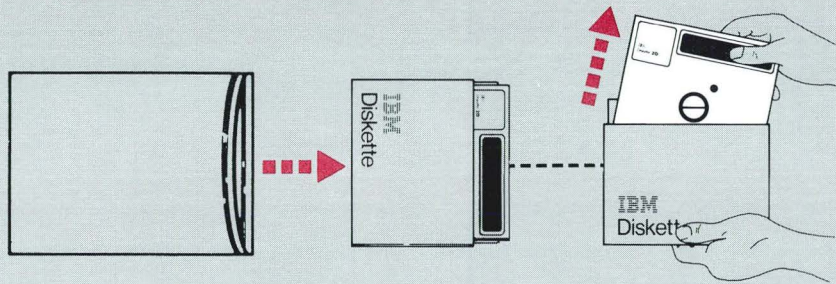
Make sure the security lock is in the Service position. If the security lock is not in the Service position, turn it to the Service position, as shown in 2.9. The security lock is in the Service position when the triangle and the notch in the key are pointing toward the Service position.





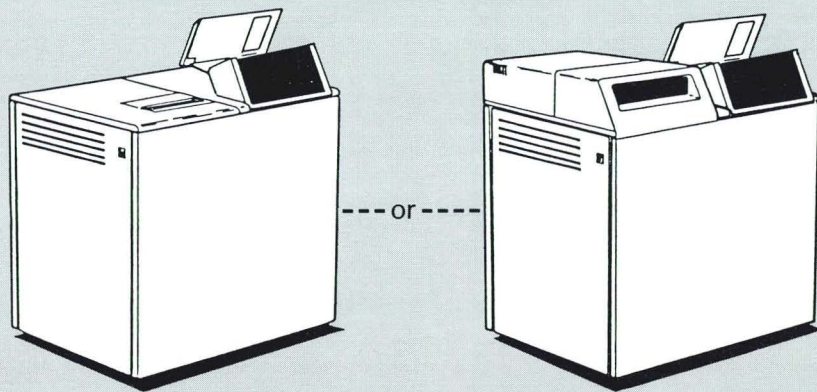
2.10

Remove the checkout diskette.



2.11

Look at your computer and compare it to the one shown in this step; then decide which step to follow.



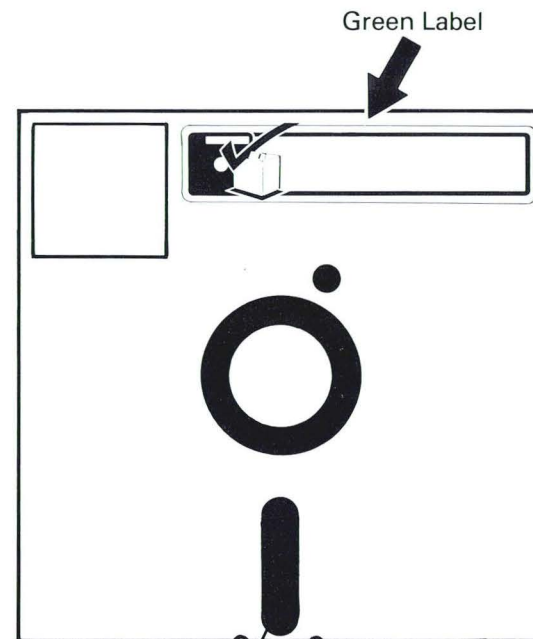
2.12

2.14

## CHECKING OUT YOUR COMPUTER

The checkout diskette  is in the same plastic envelope in which you found this manual.

Be sure the diskette you use has a green label like the following example:



Recording Surface

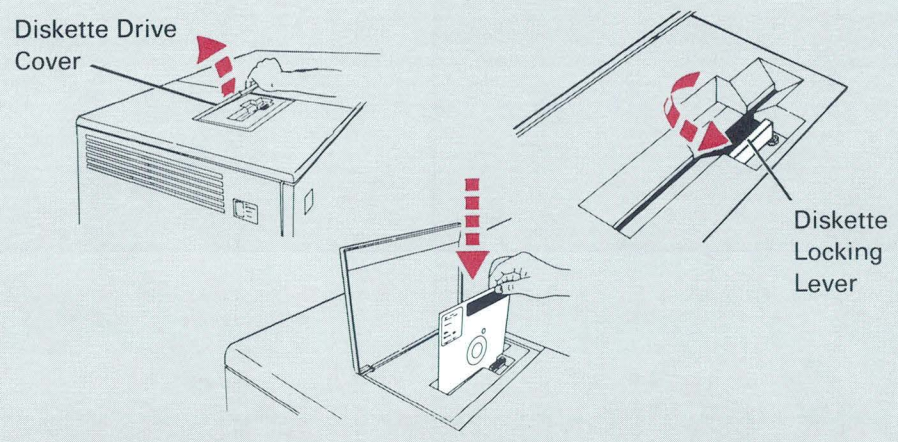
### CAUTION

- Always handle the diskette by the green label area to avoid touching the recording surface. Fingerprints on the surface can cause diskette errors.
- Keep magnets away from the diskette.



2.12

Open the diskette drive cover and diskette locking lever; insert the checkout diskette.

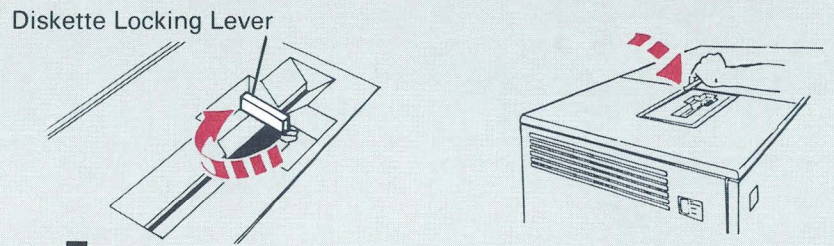


2

The checkout diskette must be inserted with the green label positioned as shown.

2.13

Close the diskette locking lever and diskette drive cover.

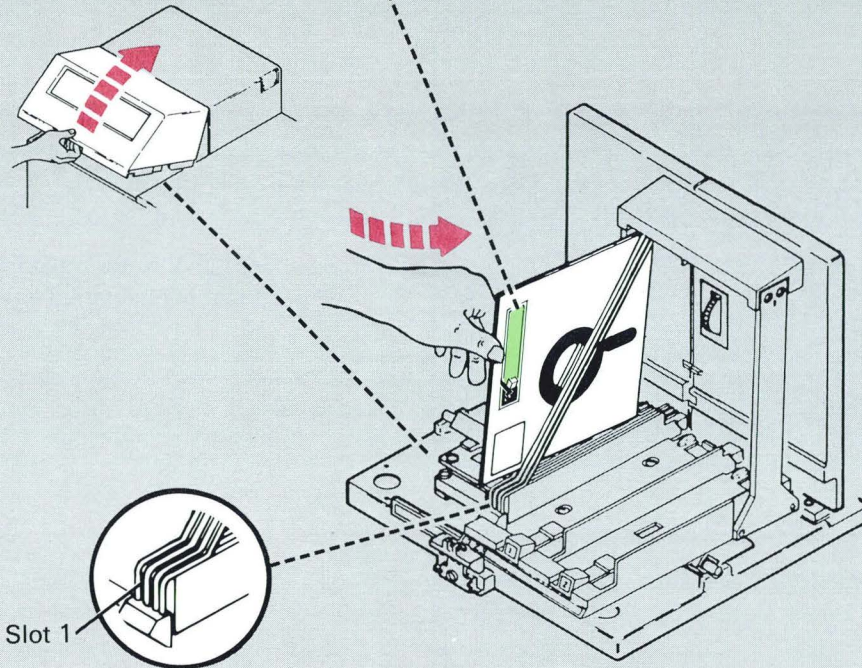


2.16

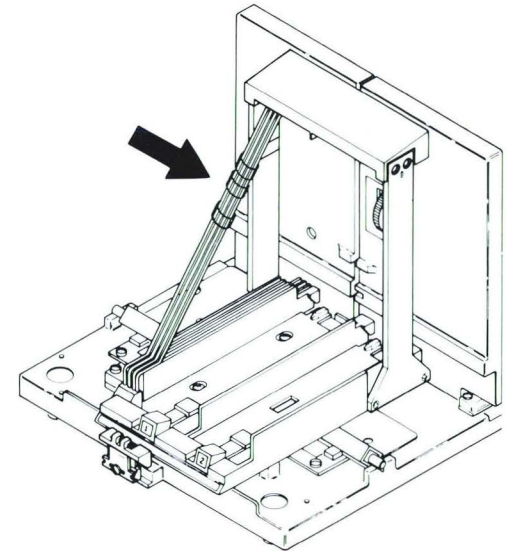


**2.14**

Open the diskette drive cover and insert the checkout diskette into slot 1, with the green label positioned as shown.

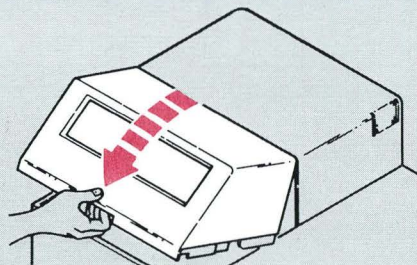


Be sure all of the packing tape is removed from the computer.




**2.15**

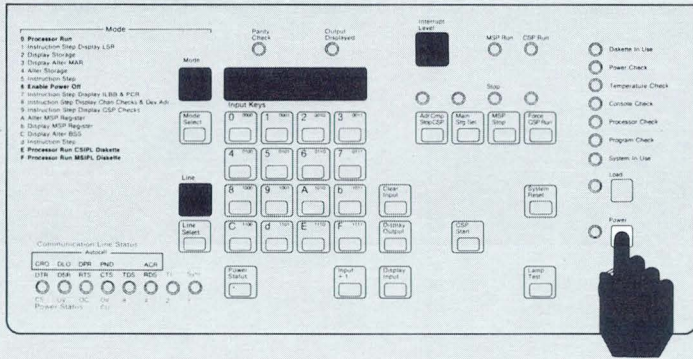
Close the diskette drive cover.





2.16



Press the  key to turn on the computer.



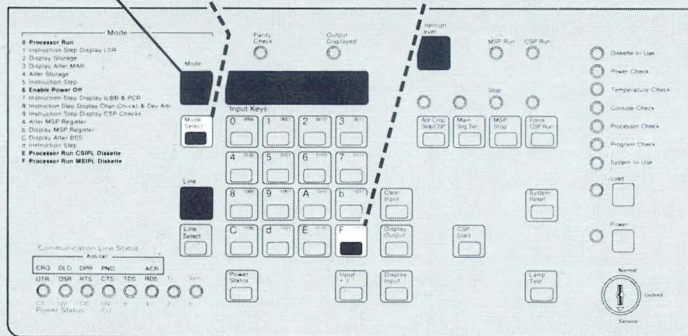
If the Power light (and other lights) do not come on, go to **8.A** in the back of this manual.

2

2.17

Press the  key and then the  key.

Mode Display



After you press the keys, the letter F appears on the Mode display.



If F does not appear on the mode display, check step **2.9** before calling your hardware service representative.

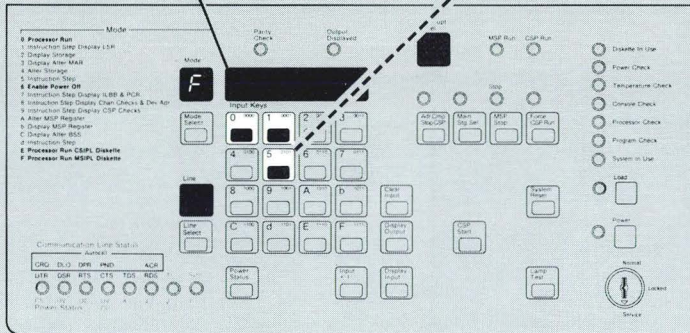


2.18

Press the keys in the following sequence:




Output Display




After you press the keys, 5001 appears on the computer output display.

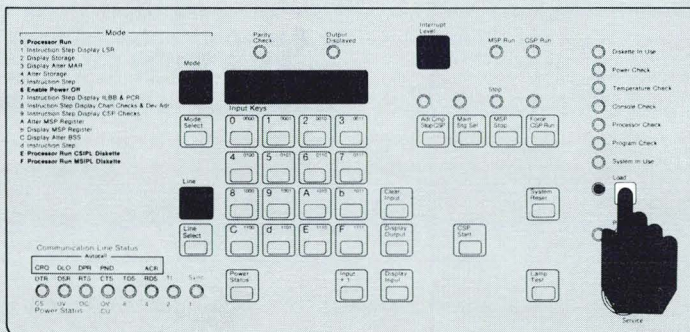


**Note:** If you should enter an incorrect number, press the  key and enter the correct number.

If 5001 does not appear on the computer output display, call your hardware service representative.

2.19

Press the  key.



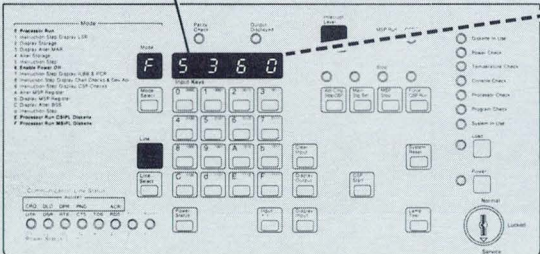
After you press the Load Key, the computer loads the checkout program. Wait 3 to 5 minutes for the program to load, then go to **2.20**.



2.20

### Did 5360 appear on the computer output display?

Output Display



5360

YES

2.21

NO

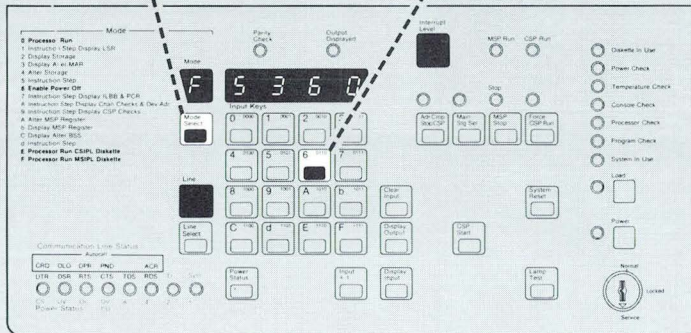
8.B

5360 on the output display means your computer is ready to operate.

2

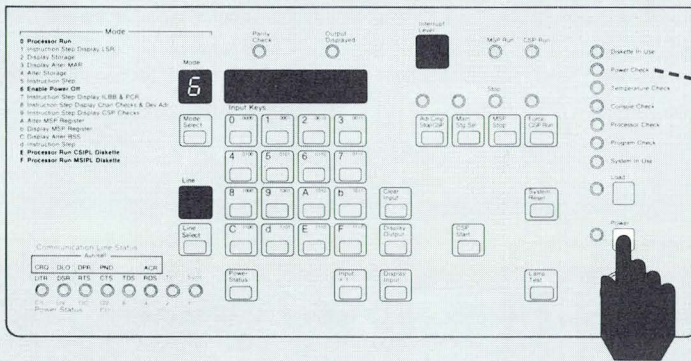
2.21

Press the **Mode Select** key and then the **6** key.



2.22

Press the **Power** key to turn off the computer.



When you turn off the computer, the cooling fans continue to run for a few seconds. The Power Check indicator might blink. It is a normal condition if the Power Check indicator blinks while the cooling fans run.



2.23

Leave the checkout diskette in the computer. Go to **3.1**.

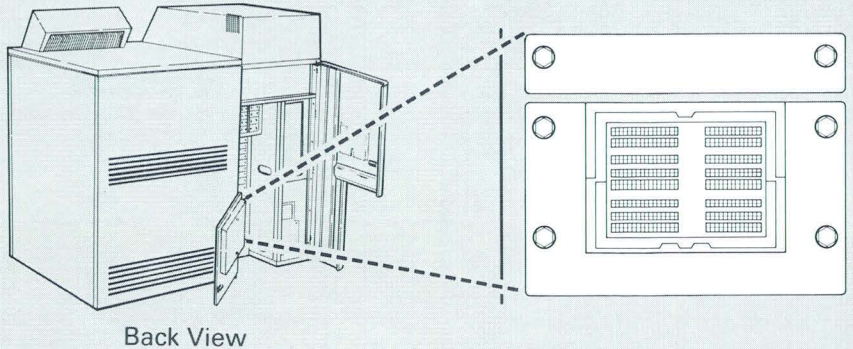
You will use the checkout diskette again in Section 5, *Checking Out Your System*.



## Section 3: Connecting the Cables to the Computer

3.1

Are you connecting a 1255 Magnetic Character Reader to your computer?



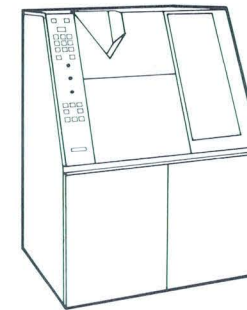
YES

NO

3.3

3.2

Your IBM hardware service representative will install and test the 1255 Magnetic Character Reader. Call your IBM hardware service representative and explain that you would like to have your 1255 Magnetic Character Reader connected to the computer. Then, go to **3.3** and continue.



1255 Magnetic Character Reader

3



### 3.3

See if your computer has colored labels.

#### Green Labels

You might have none, four, eight, or twelve green labels.



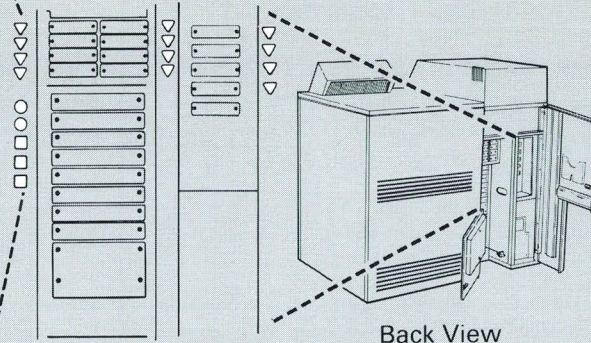
#### White Labels

You might have none or two white labels.



#### Blue Labels

You might have none, two, or three blue labels.



Back View

Did you see colored labels?

YES

3.4

NO

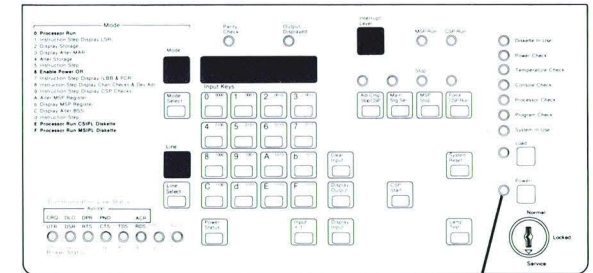
3.20

### CAUTION

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

Also, make sure the Power indicator on the computer is off (not green). If the Power indicator is green, perform

**2.21** through **2.22**.



Power Indicator



3.4

Did you see blue labels?

YES

NO

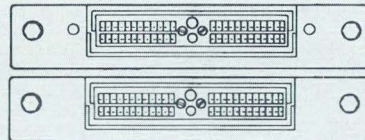
3.11

3.5

Did the blue labels look like the following example?

3

1|2



YES

NO

3.7

3.6

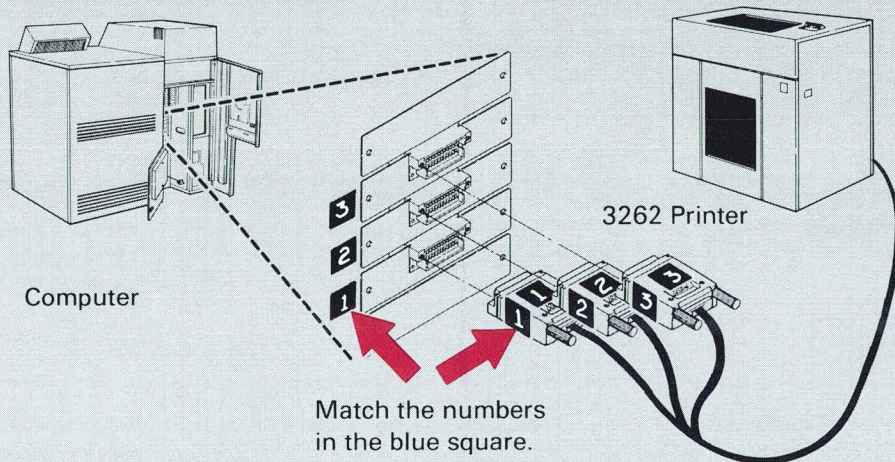
Your IBM hardware service representative will install and test the 3262 Printer. Call your IBM hardware service representative and explain that you would like to have your 3262 Printer connected to the computer. Then, go to **3.11** and continue.

3



3.7

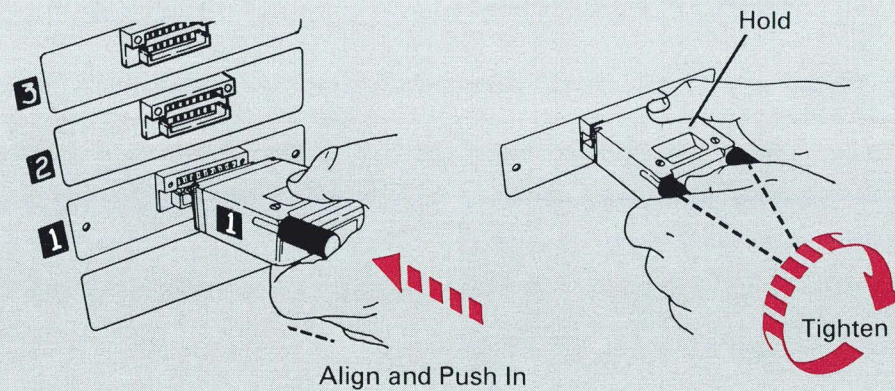
Find the 3262 Printer cable.



The 3262 Printer cable is attached to the printer. A number in a blue square ( **1** , **2** , and **3** ) on a connector indicates that it is a 3262 Printer connector.

3.8

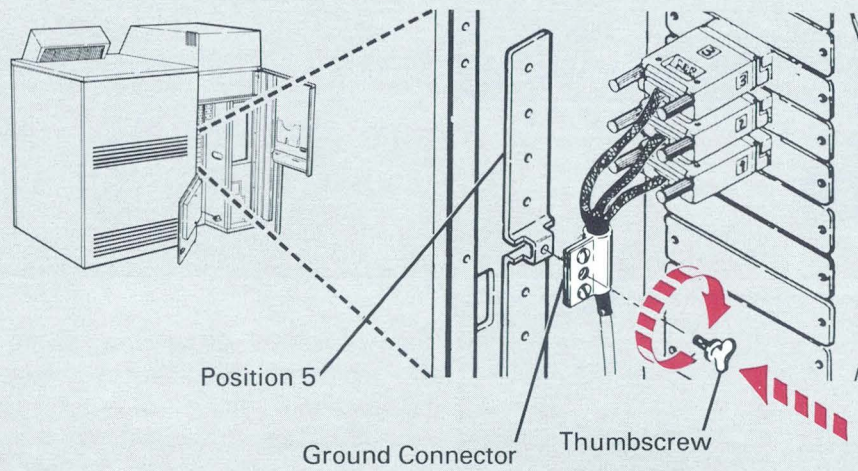
Attach all three connectors to the computer, beginning with connector **1** .





3.9

Attach the ground connector to position 5.

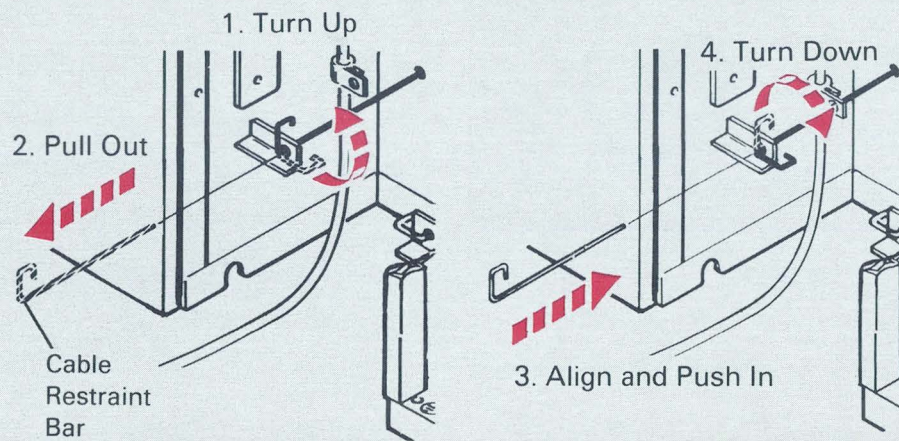


The thumbscrew is shipped inserted into position 5.

3

3.10

Connect the cable restraint bar to the printer cable.





3.11

Did you see white labels?

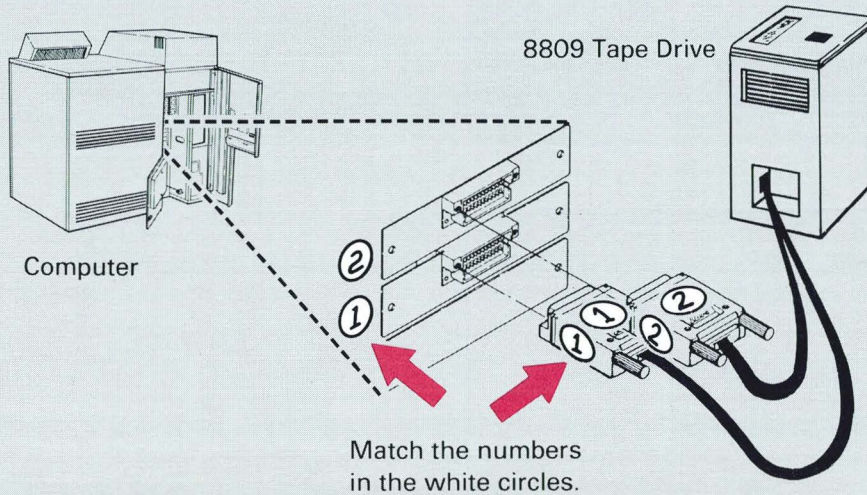
YES

NO

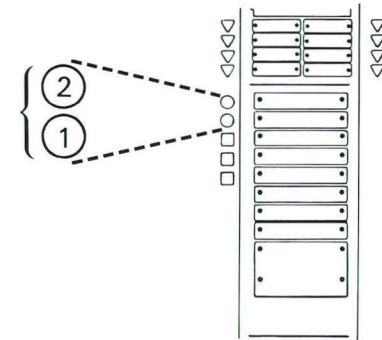
3.16

3.12

Find the 8809 Tape Drive cables.

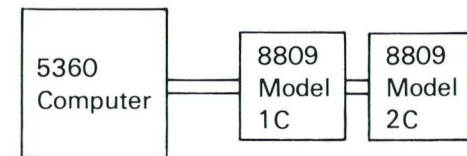


White Labels



The 8809 Tape Drive cables are attached to the tape drive. A number in a white circle (1 and 2) on a connector indicates that it is an 8809 Tape Drive connector.

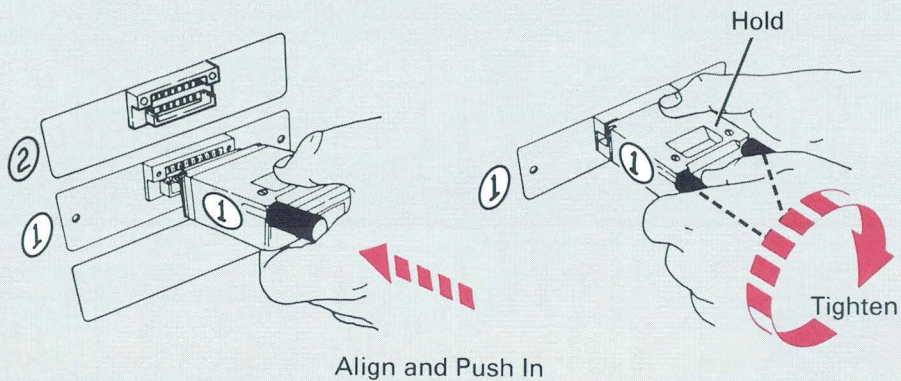
**Note:** If you have an 8809 Tape Drive Model 2C, you must connect the cables to the 8809 Tape Drive Model 1C. The Model 1C is cabled to the 5360 computer. Both tape drives must be cabled together before you attach them to the computer.





3.13

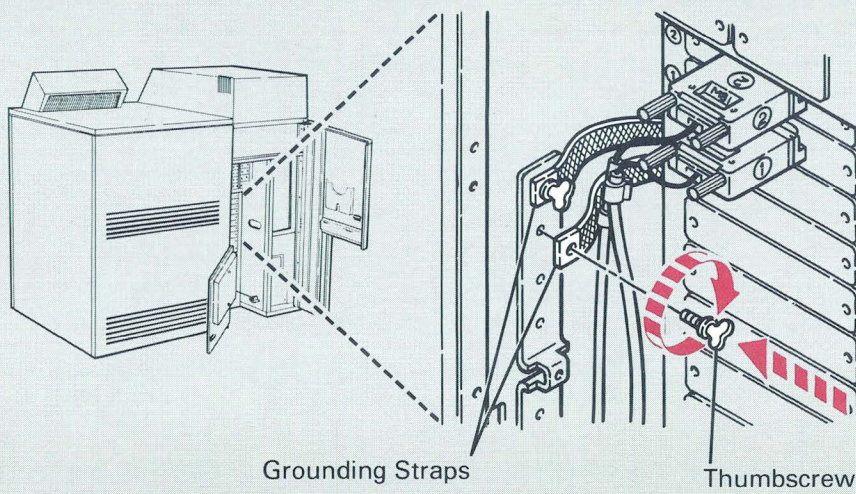
Attach both cable connectors to the computer, beginning with connector ①.



3

3.14

Attach the grounding straps.



The two thumbscrews are shipped inserted in the two top positions.

**3.15**

Select the appropriate path.

You are setting up  
your computer for  
the first time.

**3.16**

You are attaching an  
8809 Tape Drive to a  
computer that is set up  
already.

**5.3**



3.16

Did you see green labels?

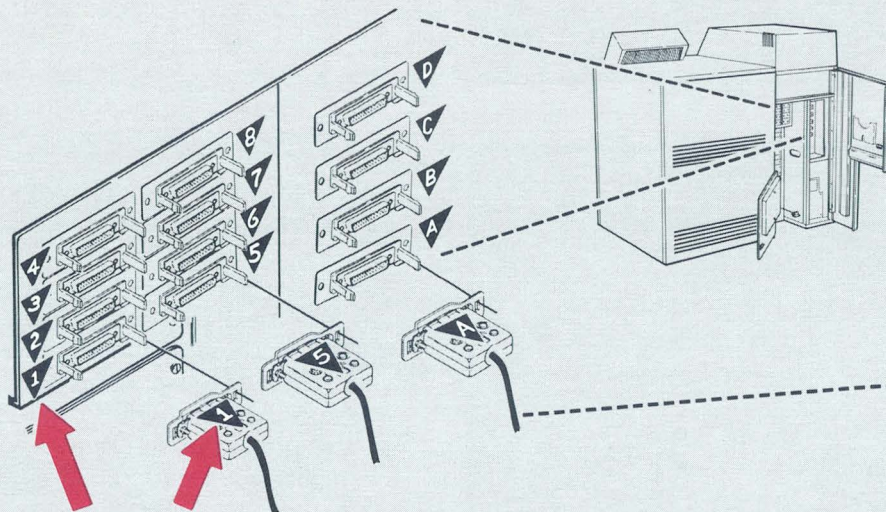
YES

NO

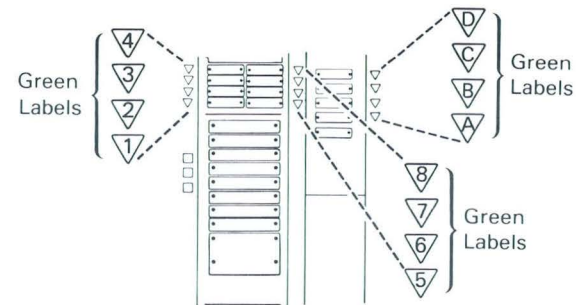
3.20

3.17

Connect the communications cable to the communications socket, beginning with **1**.



Match the numbers or letters on the green triangles.



The communications cables are in a cardboard tube that came with the computer. You might have one to twelve cables, depending on how many communications lines are on your computer.

Each communications cable has a number or an alphabetic character in a green (triangular) label on its connector.

**Note:** The connector end that attaches to the computer is metal; the opposite end is plastic and looks different from the drawings in

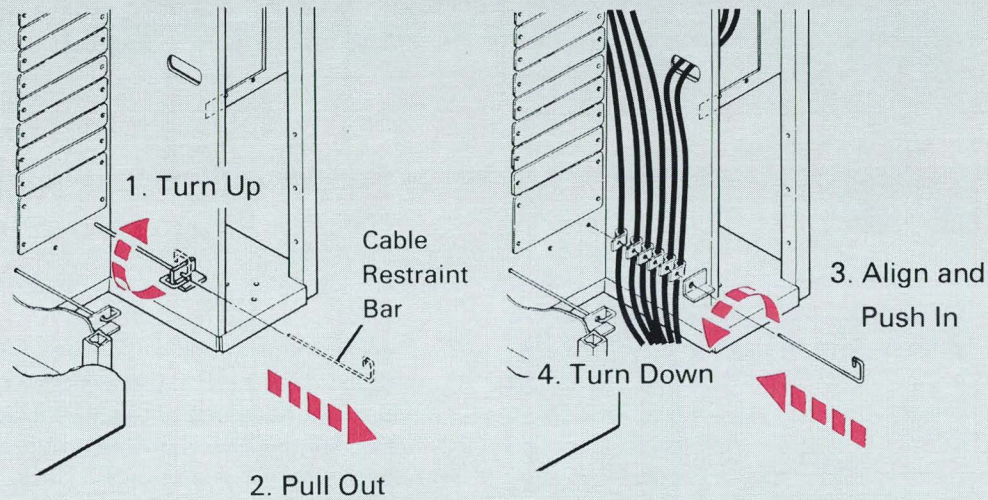
3.17.

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



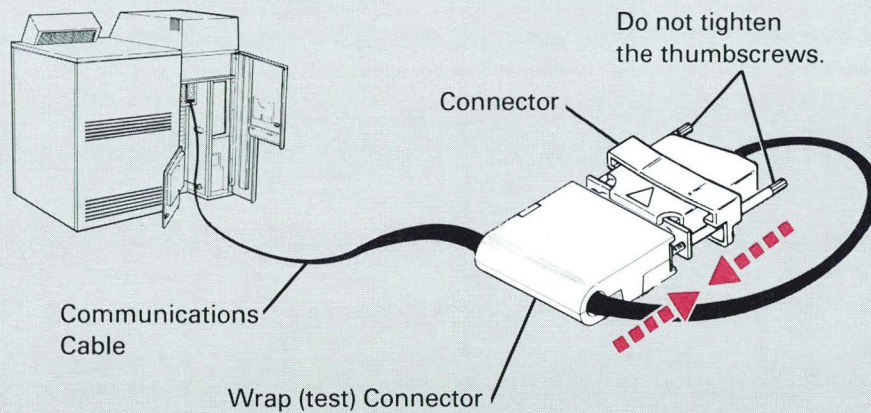
3.18

Connect the cable restraint bar to the communications cable.



3.19

Look at the opposite end of each communications cable you just attached. If you see a wrap (test) connector at that end of the cable, plug the connector into the wrap connector.



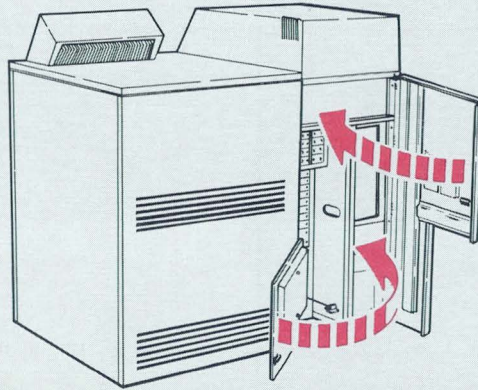
A wrap (test) connector is used to test the communications circuits in the computer.

**Note:** The communications cable, connector, and wrap (test) connector shown in **3.19** 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 **3.19**.



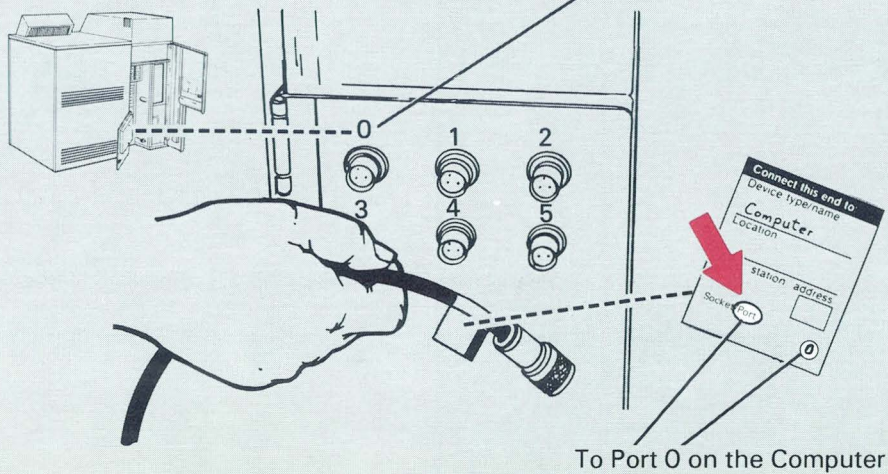
3.20

Close the work station port panel and the panel on the back of the computer.



3.21

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



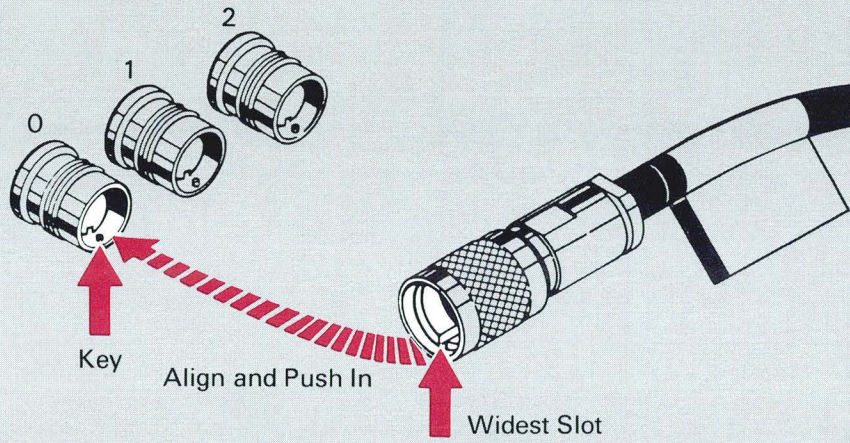
If you are connecting to twinaxial cable, you can have as many as six work station cables attached to your computer. Use Form D or Form F to determine which cables connect to the ports.

Sockets on the display stations and printers are exactly the same as the work station ports on the computer.



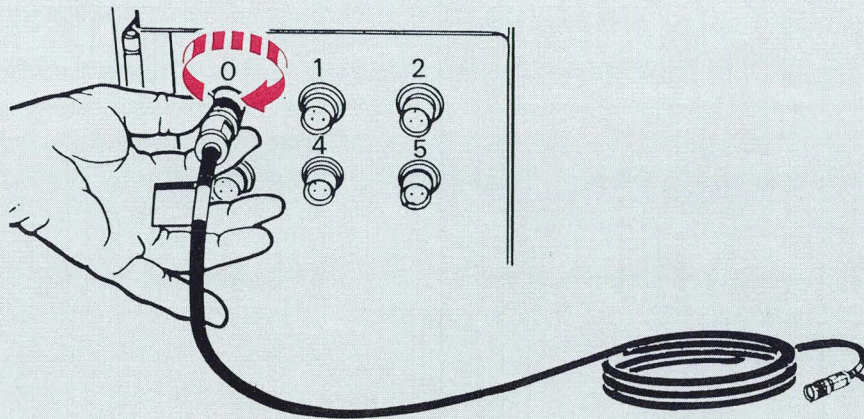
3.22

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

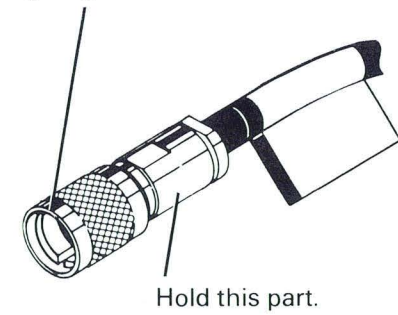


3.23

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



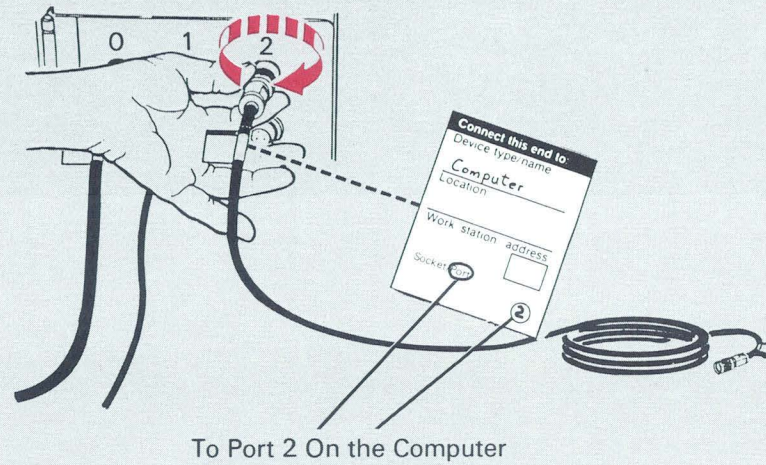
The part of the cable connector that turns is the retaining ring.





3.24

Continue connecting work station cables to the computer until all of the cables are connected; then, go to Section 4, *Connecting the Cables to Your Display Stations and Printers.*



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





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

**4.1**

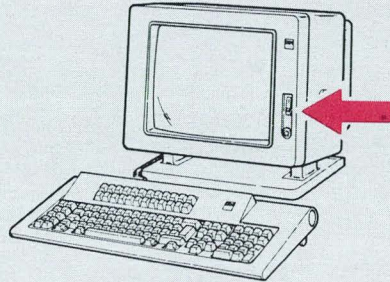
Select the display station or printer you are going to work with.

Use Forms D and F to guide you when selecting a display station or printer.

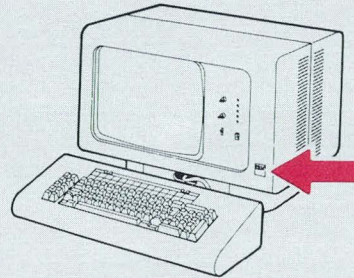
**4.2**

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

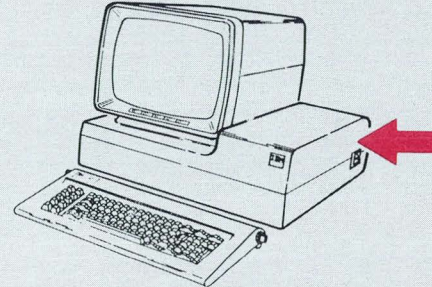
IBM 3180 Model 2



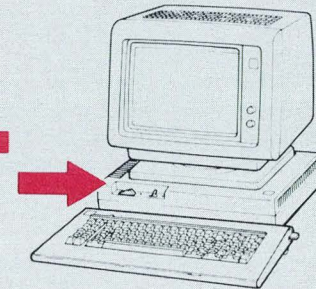
IBM 5251 Model 11



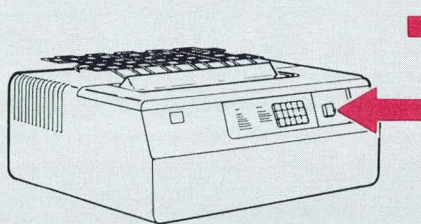
IBM 5291



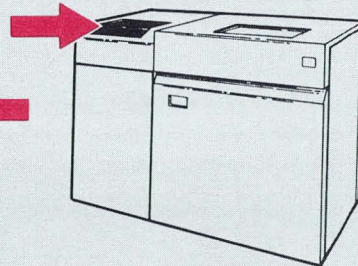
IBM 5291 Model 2



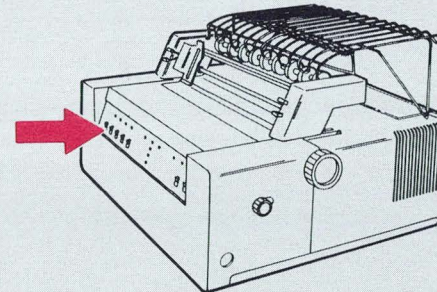
IBM 5224



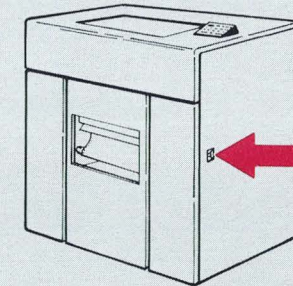
IBM 5225



IBM 5256



IBM 5262 Model 1

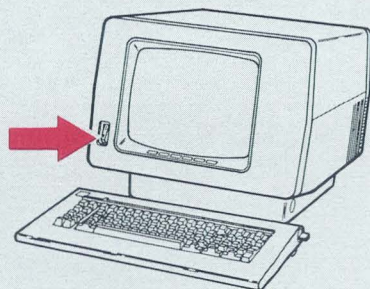


**Note:**

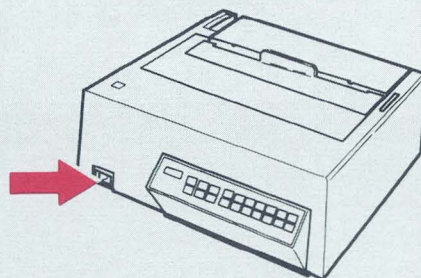
1. The IBM 5551 System Unit is the device used to connect the 5555 Display, 5553 Printer, and 5557 Printer to the computer.
2. See Appendix A in this manual for information on how to connect the Personal Computer cables to your System/36.



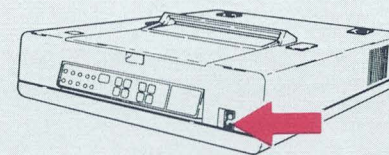
**IBM 5292**



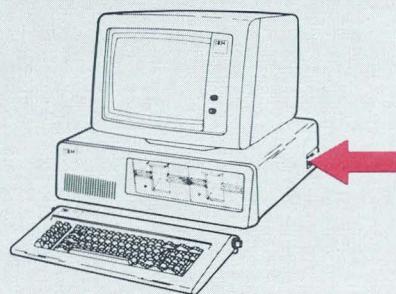
**IBM 4214 Model 2**



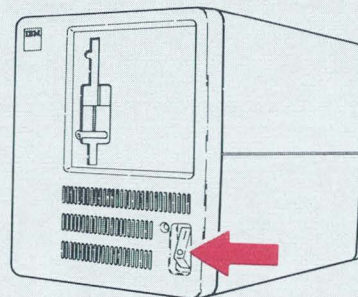
**IBM 5219**



**IBM Personal Computer  
(See Note 2)**



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





4.3

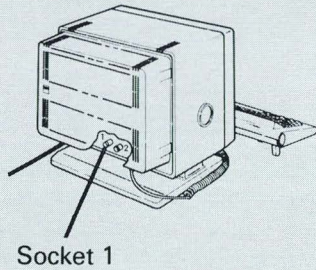
Find socket 1 on the device you are working with.

**Note:** The IBM 4214 Model 2, 5224, 5225, 5256, and 5262 Model 1 work station printers have arrows instead of numbers to indicate sockets 1 and 2.

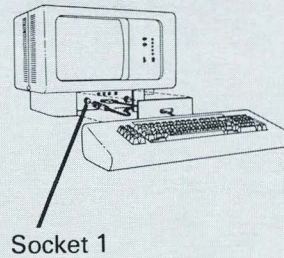
Socket 1 is where you will connect the cable.

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

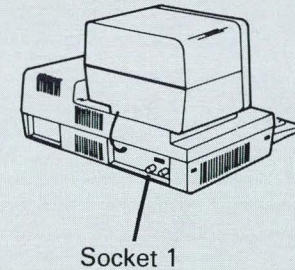
IBM 3180 Model 2



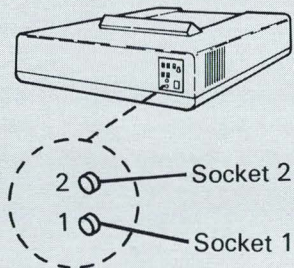
IBM 5251 Model 11



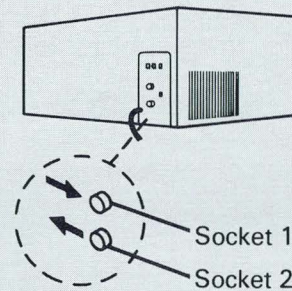
IBM 5291



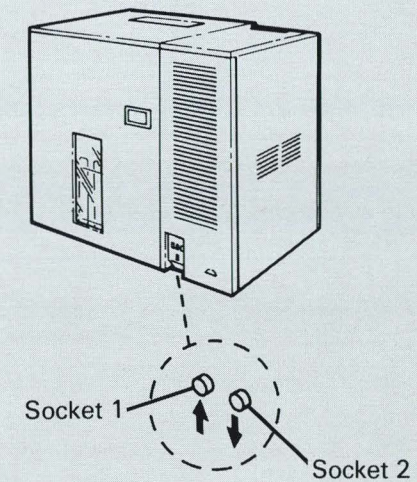
IBM 5219



IBM 5224

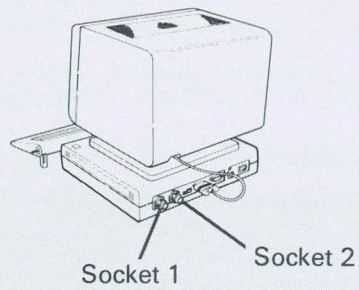


IBM 5225

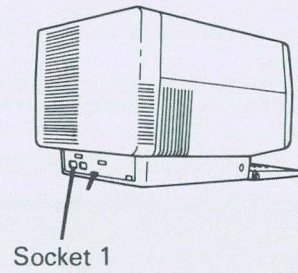




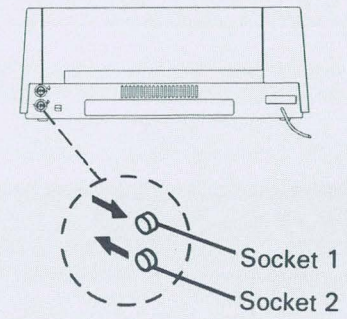
**IBM 5291 Model 2**



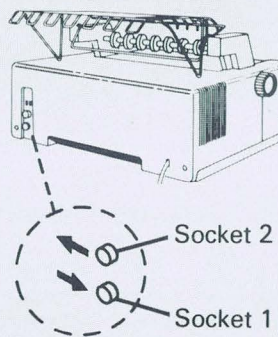
**IBM 5292**



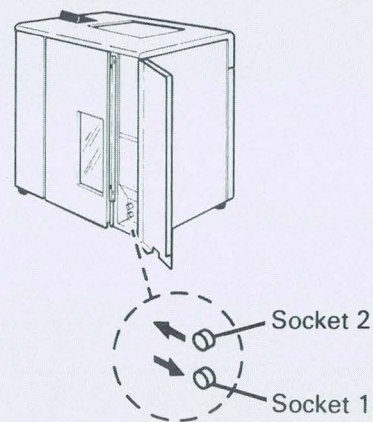
**IBM 4214 Model 2**



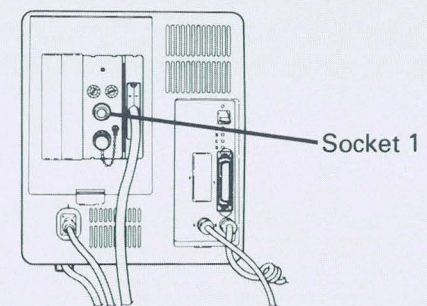
**IBM 5256**



**IBM 5262 Model 1**



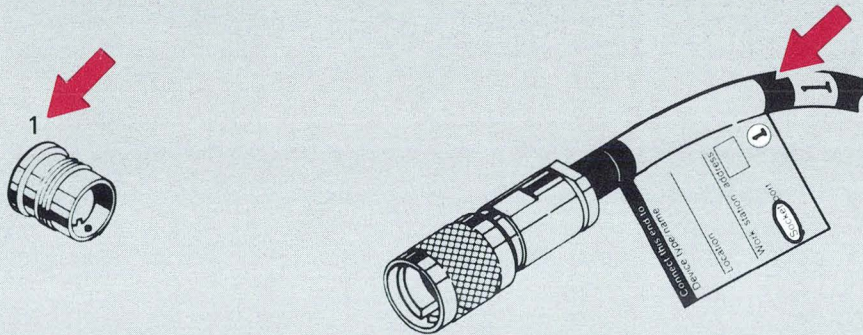
**IBM 5551 System Unit**



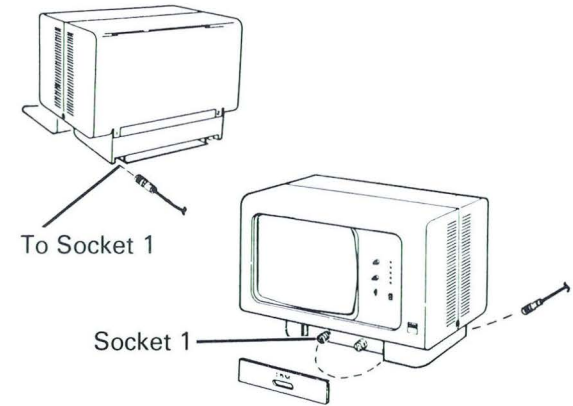


4.4

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

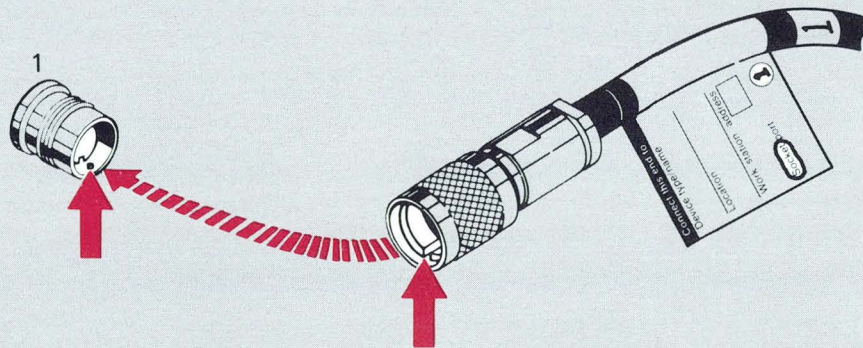


On the 5251 Model 11 Display Station, the cable that attaches to socket 1 passes under the machine from the back to the front.



4.5

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



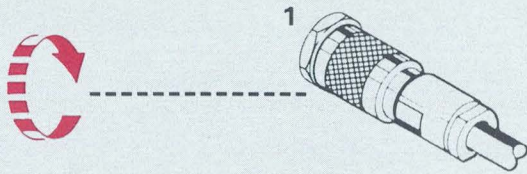
On the 5551 System Unit, remove the Terminator connector before attaching the cable.





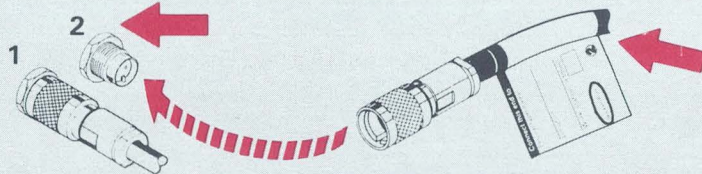
4.6

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



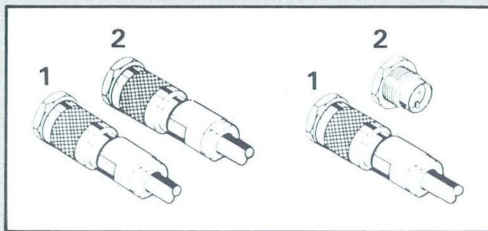
4.7

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



4.8

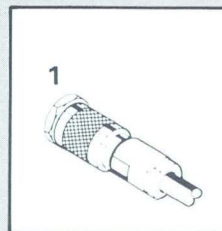
Count the number of sockets on the display station or printer.



If the display station or printer has two sockets, go to

4.9

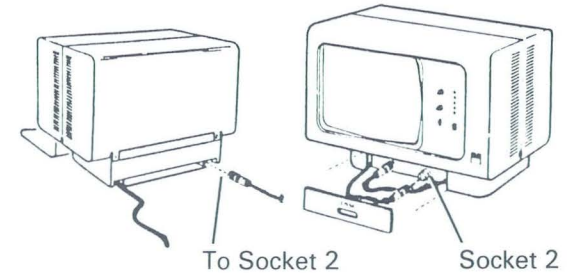
or



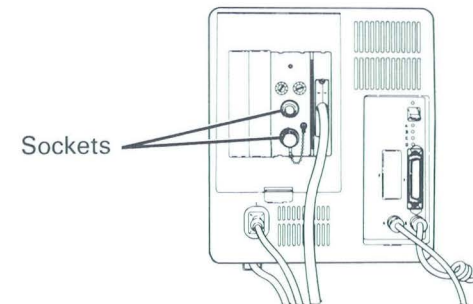
If the display station or printer has one socket, go to

4.10

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



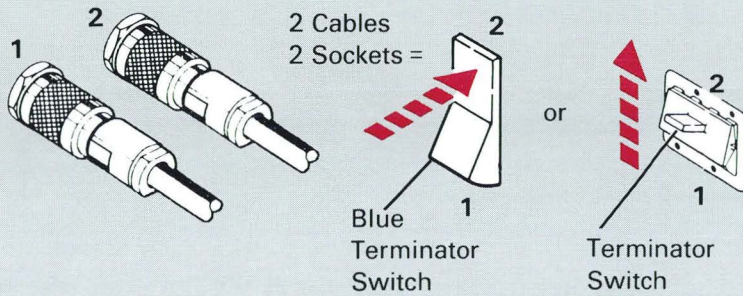
The 5551 System Unit always has two sockets. Go to **4.9**.



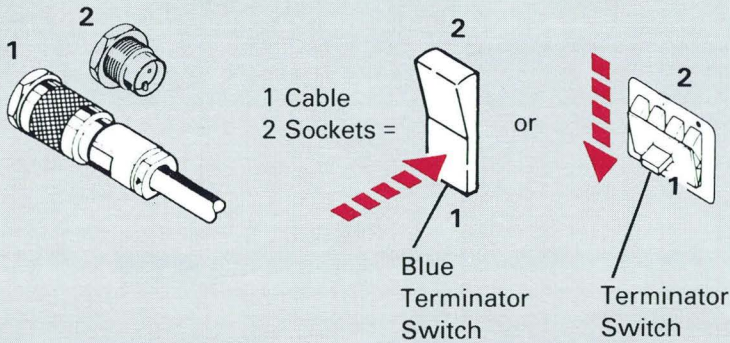


4.9

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



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

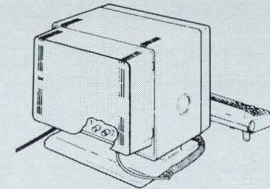


- See 5551 System Unit on the next page.

Terminator Switch Location

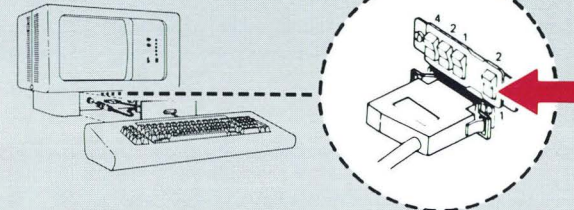
On the 5251 Model 11, 5219, 5224, 5225, and 5256 Work Stations, the Terminator switch is blue and is located near the sockets.

IBM 3180 Model 2

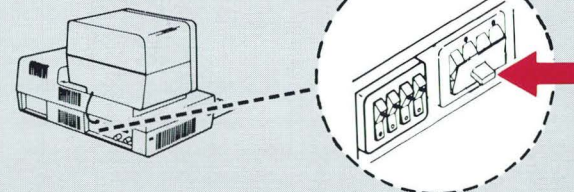


The IBM 3180 Model 2 does not have a Terminator switch. Termination is done automatically when you connect the cables.

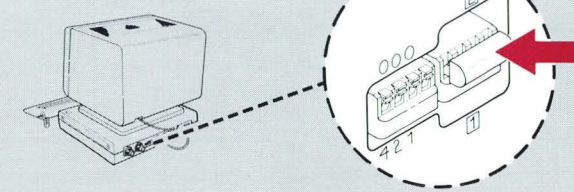
IBM 5251 Model 11



IBM 5291

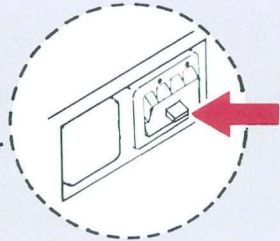
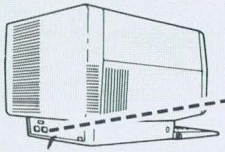


IBM 5291 Model 2

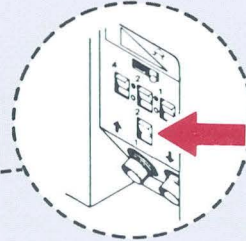
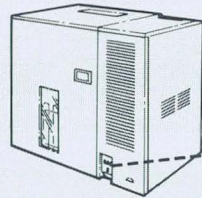




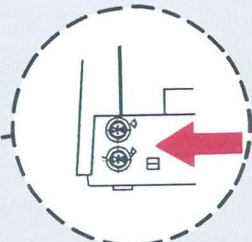
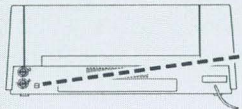
IBM 5292



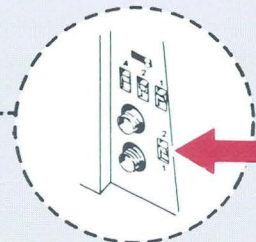
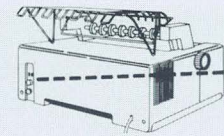
IBM 5225



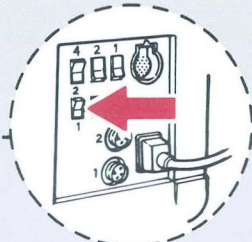
IBM 4214 Model 2



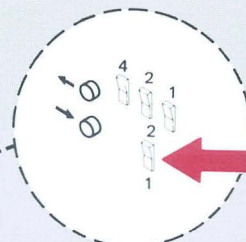
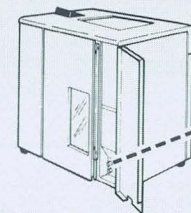
IBM 5256



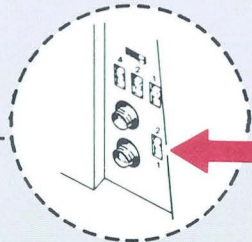
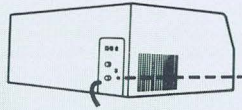
IBM 5219



IBM 5262 Model 1



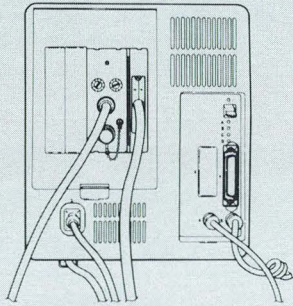
IBM 5224



Section 4.9 Continued

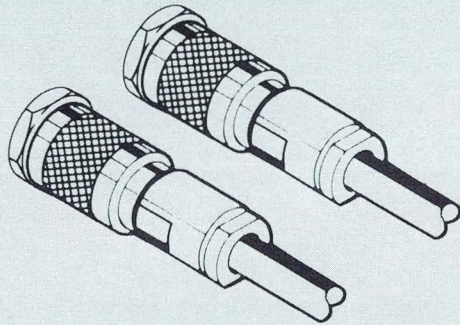


## IBM 5551 System Unit

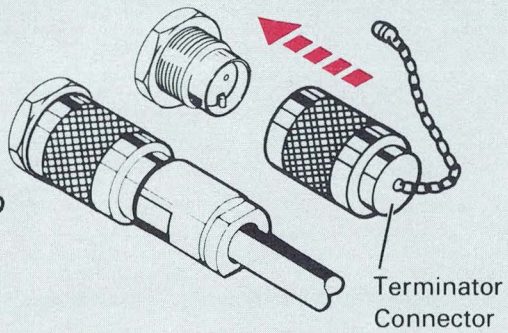


The 5555 Display and 5553 Printer do not have Address or Terminator switches. Addressing and termination are done on the 5551 System Unit.

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



If one cable is connected, connect the terminator connector.





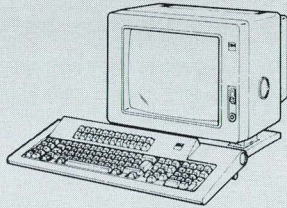
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**4.10**

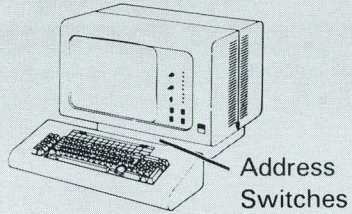
Find the display station or printer that matches the one you are working with, and go to the appropriate step.

**IBM 3180 Model 2**



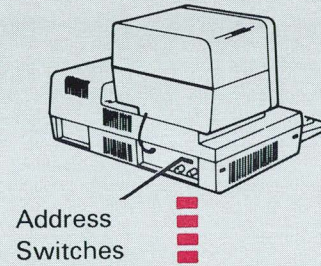
**4.31**

**IBM 5251 Model 11**



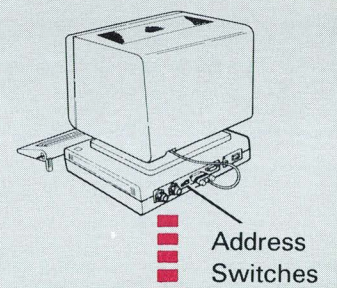
**4.11**

**IBM 5291**



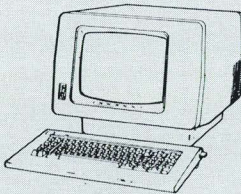
**4.17**

**IBM 5291 Model 2**



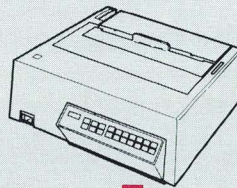
**4.51**

**IBM 5292**



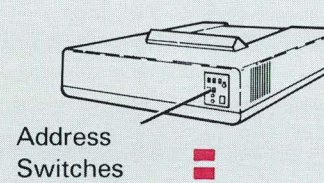
**4.23**

**IBM 4214 Model 2**



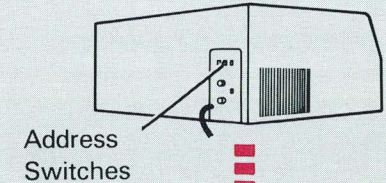
**4.44**

**IBM 5219**



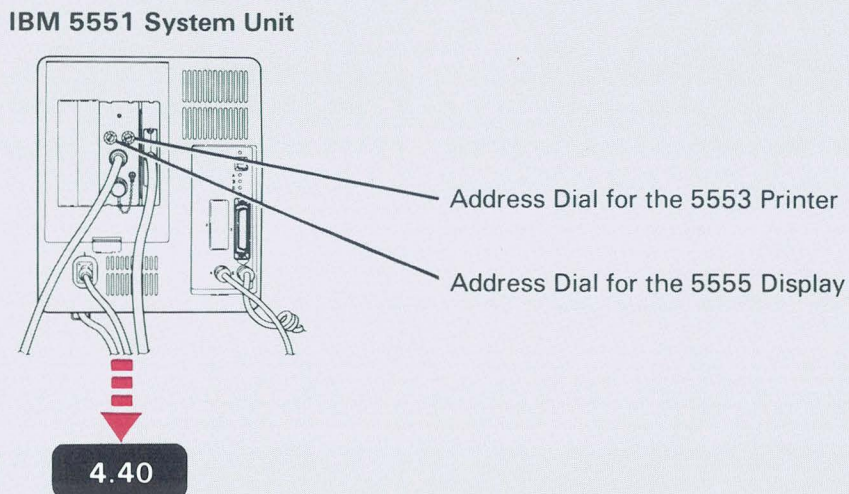
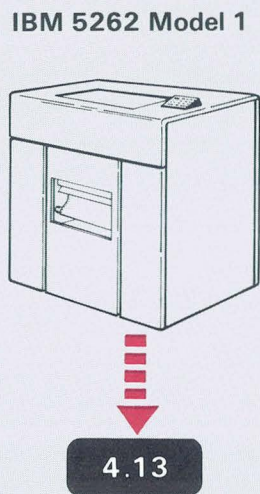
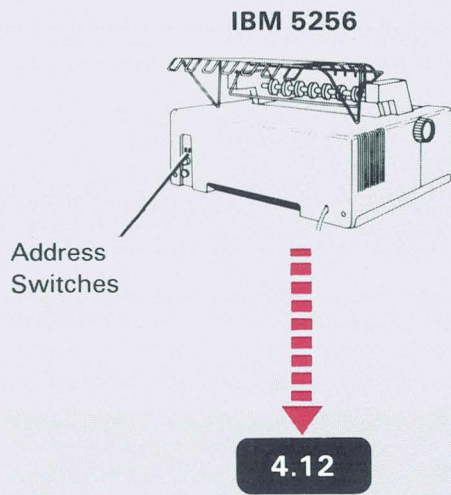
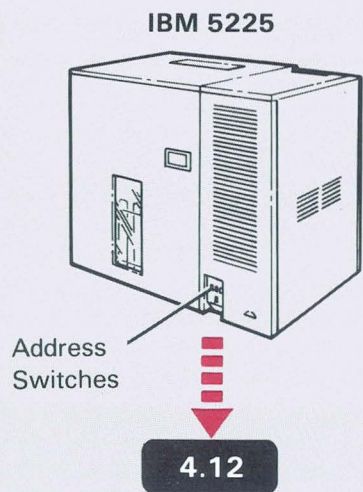
**4.13**

**IBM 5224**



**4.13**





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

The address on the IBM 3180 Model 2 and 5292 Display Station is assigned by entering the address, from 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.



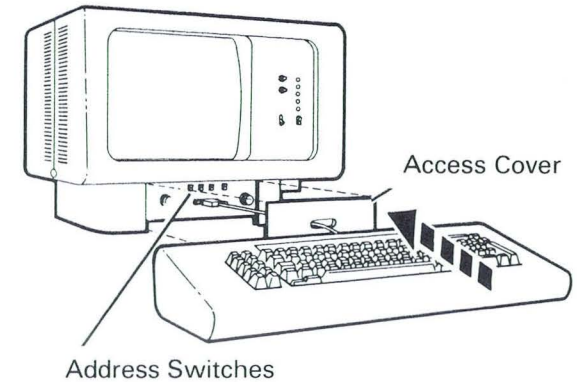
#### 4.11

- If the IBM 5251 Display Station Model 11 has address switches, go to **4.13** .
- If not, replace the access cover and set the Power switch to I (On). 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 Your System*.

#### 4.12

- If the 5256 or the 5225 Printer that you are working with has address switches, go to **4.13** .
- If not, set the Power switch to I (On). 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 Your System*.

IBM 5251 Model 11

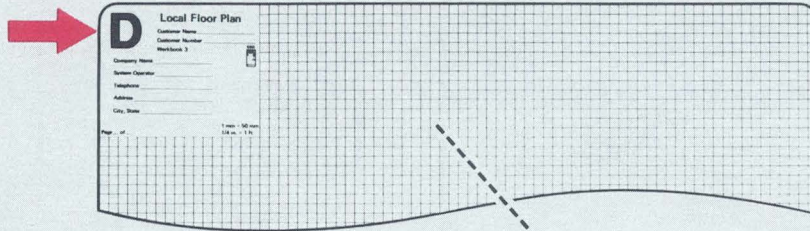


If a work station does not have address switches, the address is automatically set to 0 by the computer.

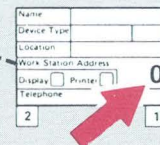
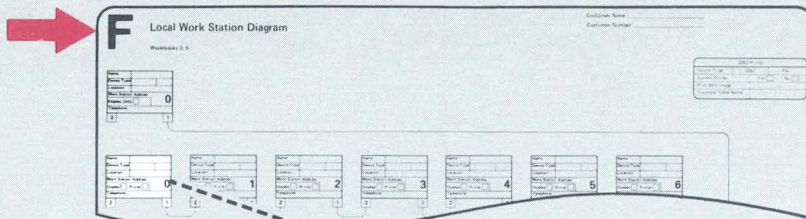
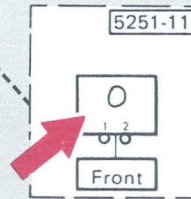


4.13

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.



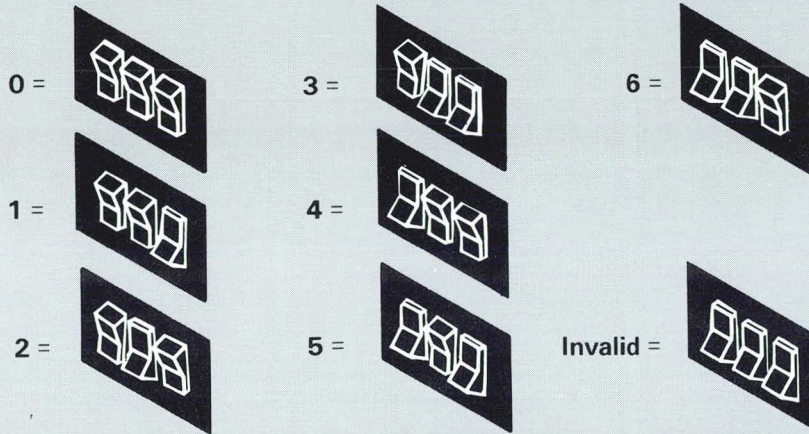
EXAMPLE



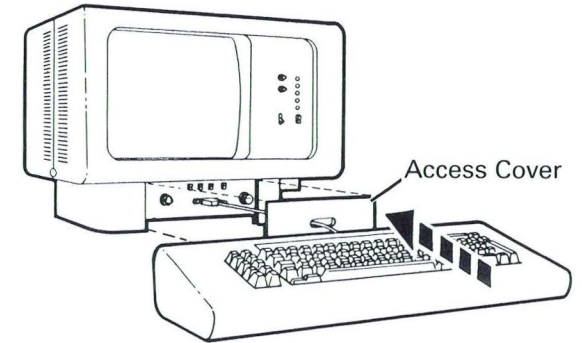


**4.14**

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



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?

YES



*Section 5: Checking Out Your System*

NO



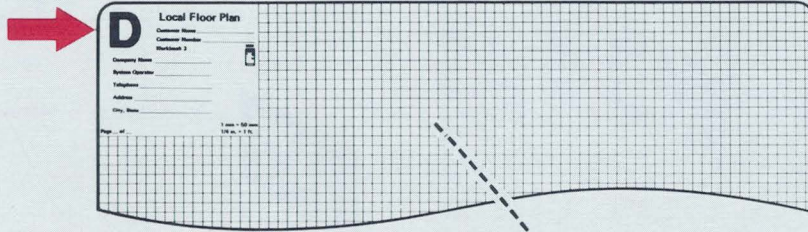
**4.1**

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

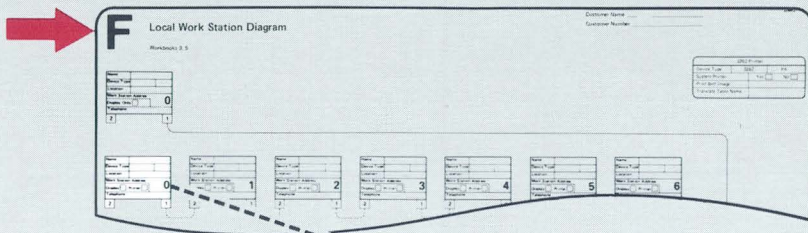
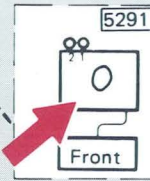


4.17

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



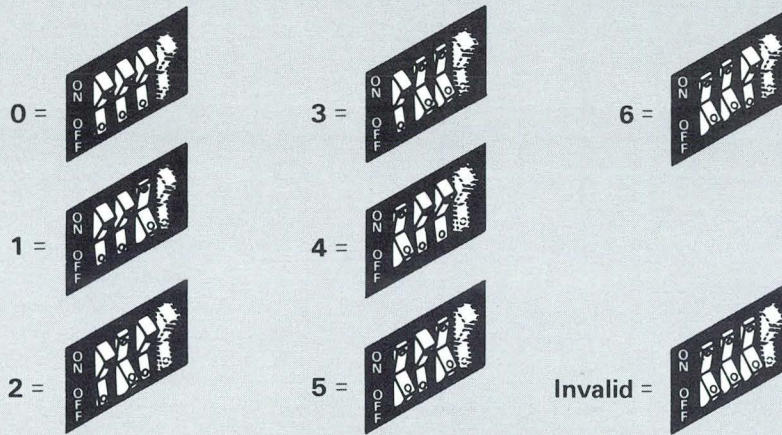
EXAMPLE



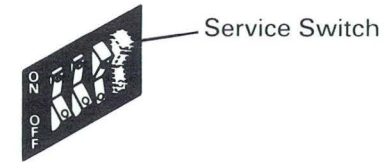


4.18

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

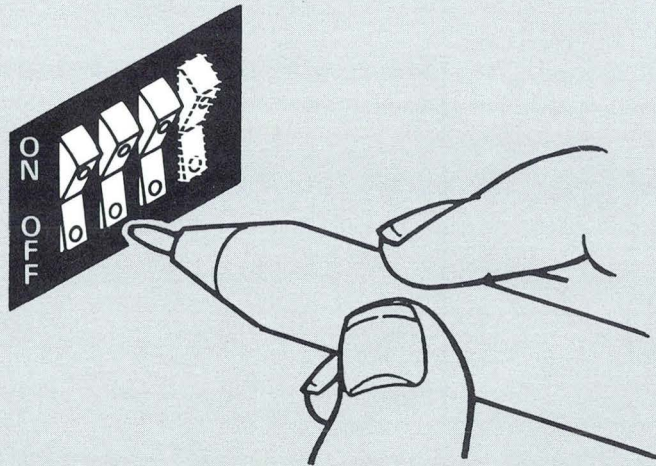


The Service switch is used by the hardware service representative. It has nothing to do with setup. You will set the Service switch to off in an upcoming step **4.20**.



4.19

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





4.20

Set the Service switch to Off.



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 Your System*

NO



4.1

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

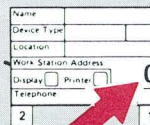
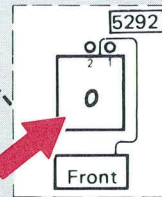


4.23

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

EXAMPLE

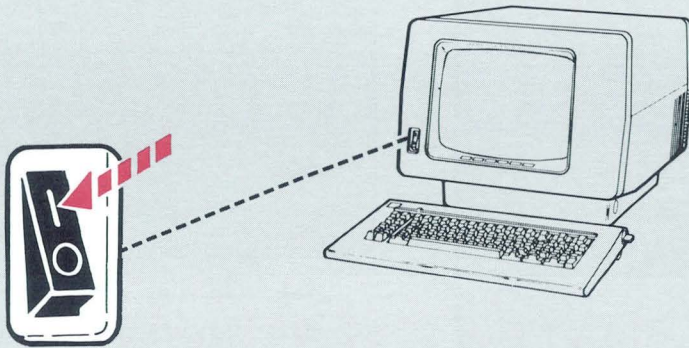
Work Station Address





4.24

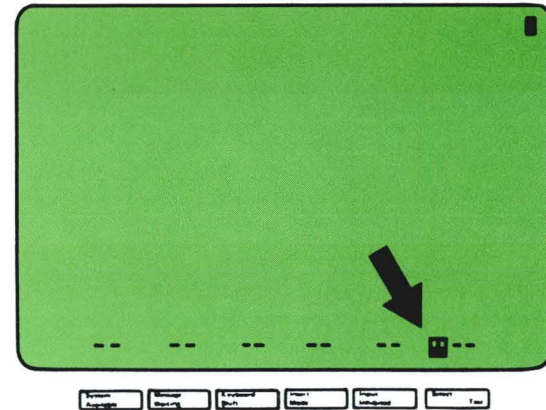
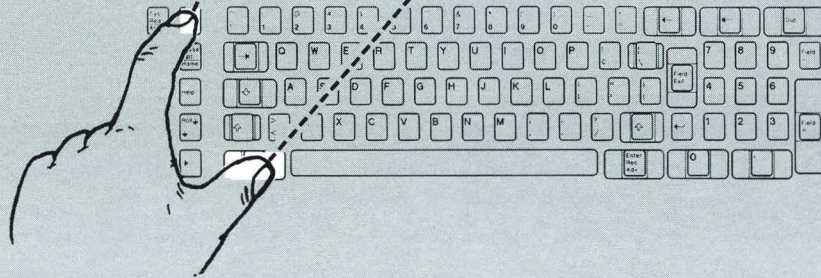
Set the 5292 Display Station Power switch to I (On).



Make sure there are no objects resting on the keyboard.

4.25

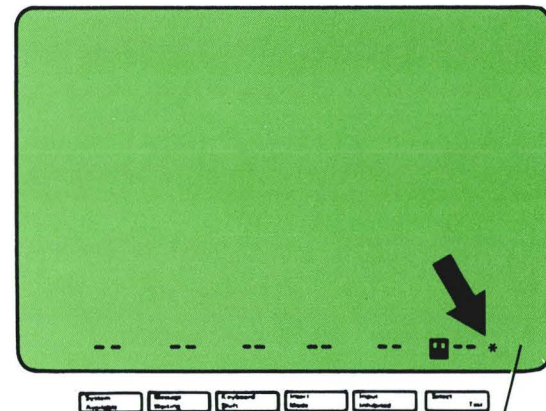
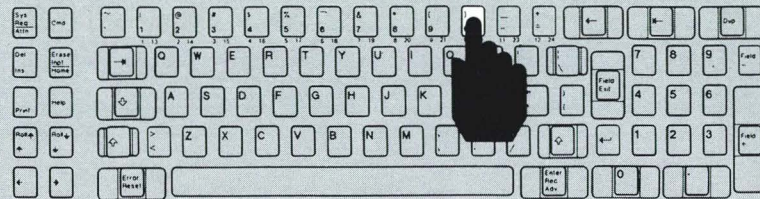
Press and hold **Cmd** key; then press **Error/Reset** key. Now release the keys.



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

4.26

Press the **0** key.



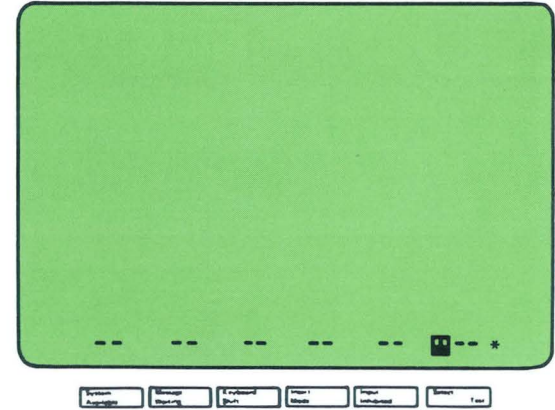
The Caution(\*) indicator appears.

Ignore the numbers that might appear here.




4.27

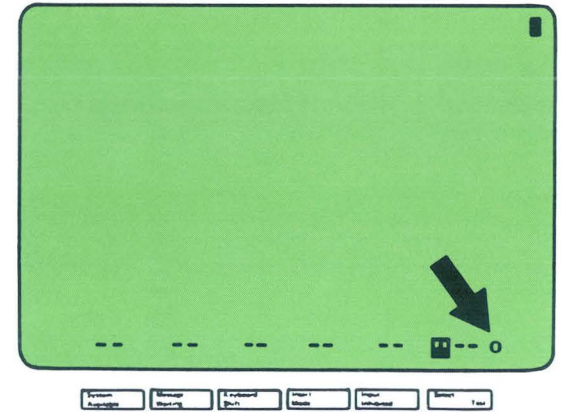
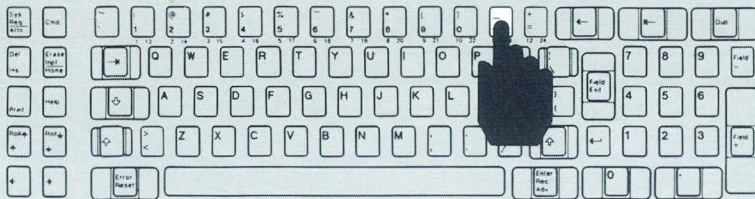
Press the  key.



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

4.28


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

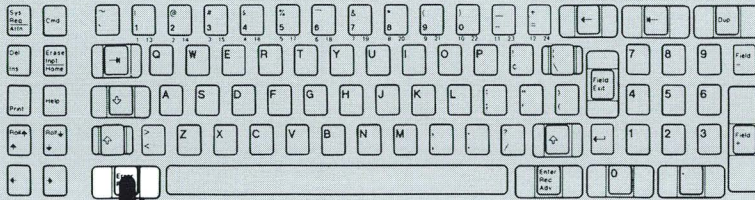


The address you want is a number 0 through 6 (shown on Form F).



4.29

Press the  key to enter the address.



The address is now entered and saved.

4.30

Have you connected all of the display stations and printers?

YES

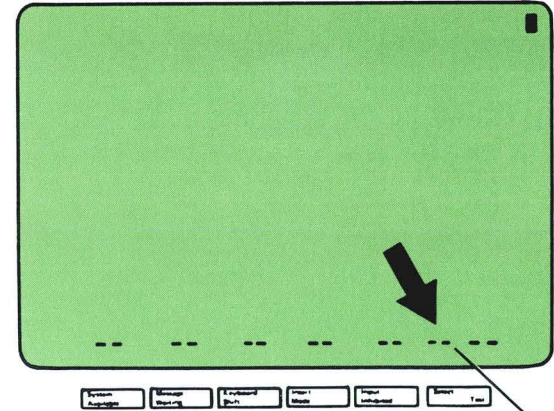


*Section 5: Checking Out Your System*

NO



4.1



The Select Option indicator goes off.

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



4.31

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

**D** Local Floor Plan

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

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

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

Scale: 1/8" = 1'-0"

EXAMPLE

3180-2

00  
21  
0

Front

**F** Local Work Station Diagram

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

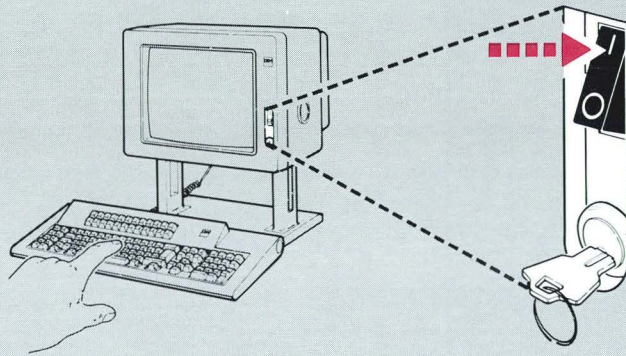
Worksheet 3.1

Station Type	Station Type	Station Type	Station Type	Station Type	Station Type	Station Type	Station Type
Work Station Address: 0	Work Station Address: 1	Work Station Address: 2	Work Station Address: 3	Work Station Address: 4	Work Station Address: 5	Work Station Address: 6	
Telephone	Telephone	Telephone	Telephone	Telephone	Telephone	Telephone	Telephone

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

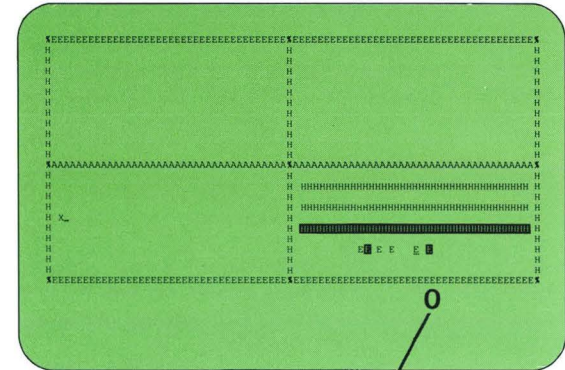
4.32

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:




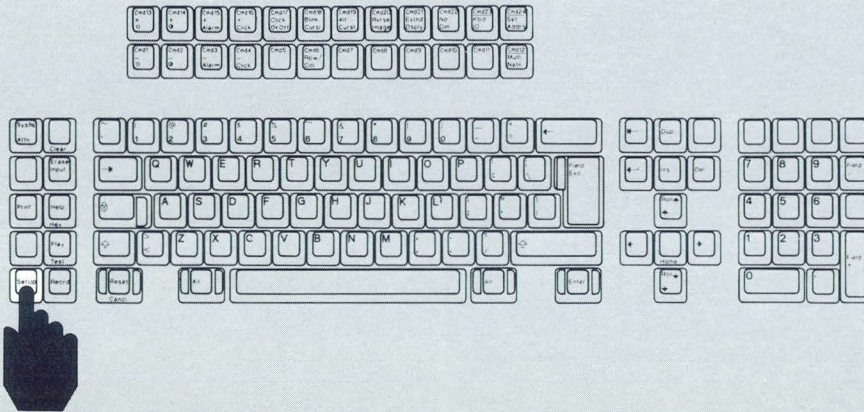
Display Station  
Address

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



4.33


Press the  key.



A blinking diamond appears on the bottom of the display.



4.34

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.)





4.35

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



4.36


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

YES

NO

4.38

4.37

Press the Multinational Character Set  key.





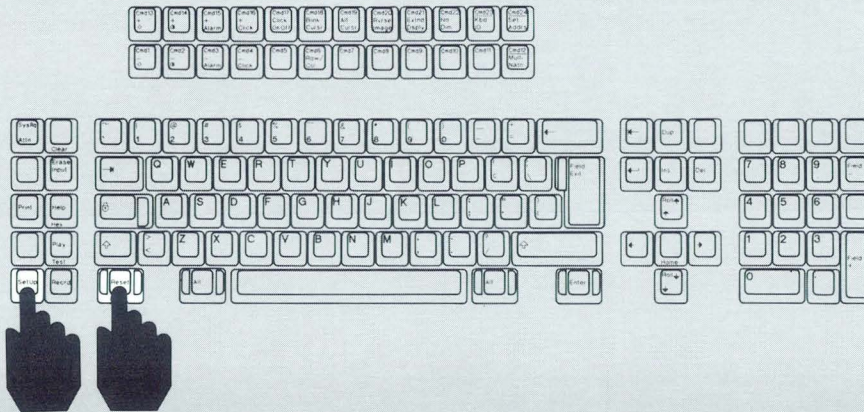
The Multinational Character Set indicator appears on the bottom of the display.





4.38

With your assigned display station address on the display, press the  key. The address is now entered and saved. Press the  key.



4.39

Have you connected all of the display stations and printers?

YES  
↓

*Section 5: Checking Out Your System*

NO  
↓

4.1

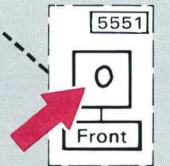


4.40

Look at Form D or F, and find the address for the 5551 System Unit; 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 = 80 feet  
1/8 inch = 1 ft

EXAMPLE



5551 Display

**F** Local Work Station Diagram  
Customer Name \_\_\_\_\_  
Customer Number \_\_\_\_\_  
Worksheet # \_\_\_\_\_

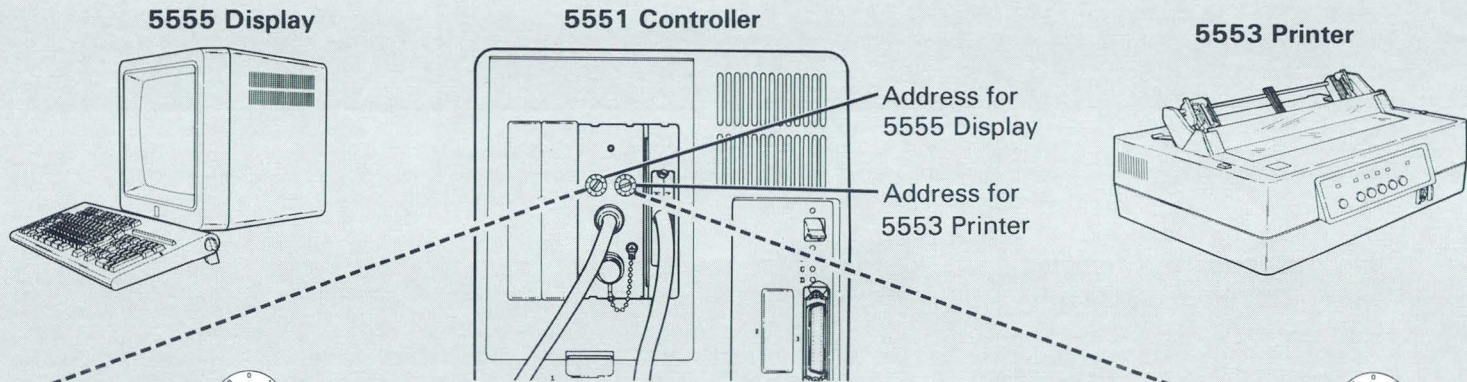
Work Station Address	1	2	3	4	5	6	
Work Station Address	0	1	2	3	4	5	6



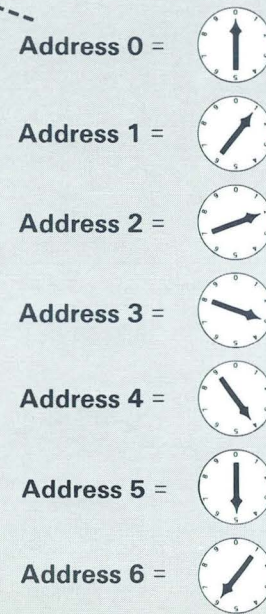


4.41

- 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:** The 5551 System Unit does not have an address.





4.42

Set the Power switch on the 5551 System Unit, 5553 Printer and 5555 Display Station (if you have one) to the I (On) position.

The 5555 Display does not have a Power switch.

4.43

Have you connected all the displays and printers?

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

YES



*Section 5: Checking  
Out Your System*

NO

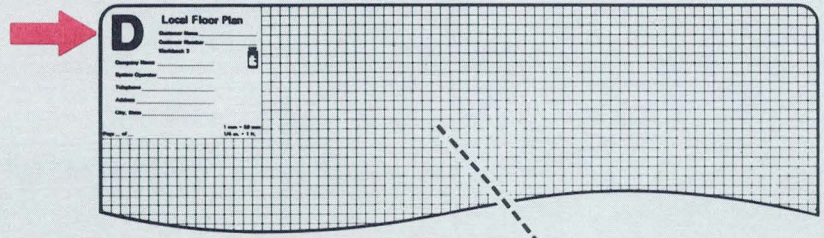


4.1

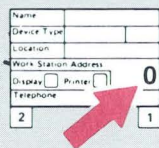
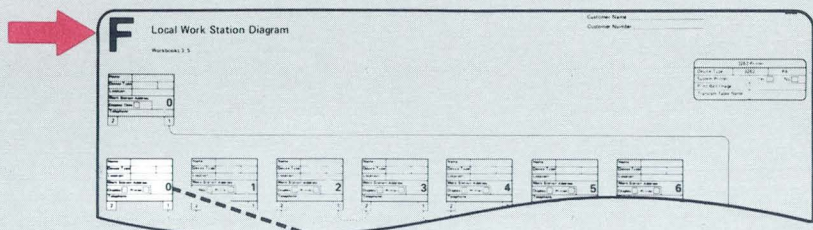
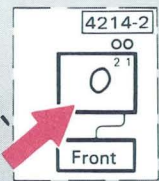


4.44

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

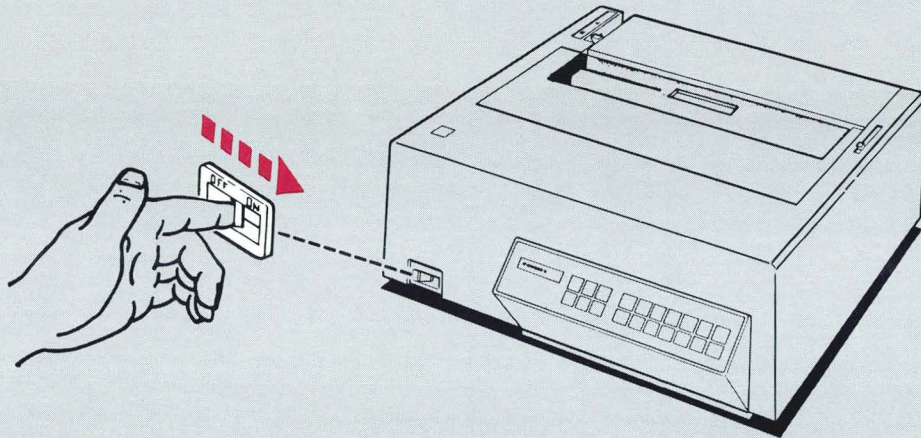


EXAMPLE



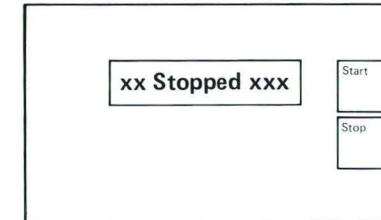
4.45

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





After approximately 1 minute:

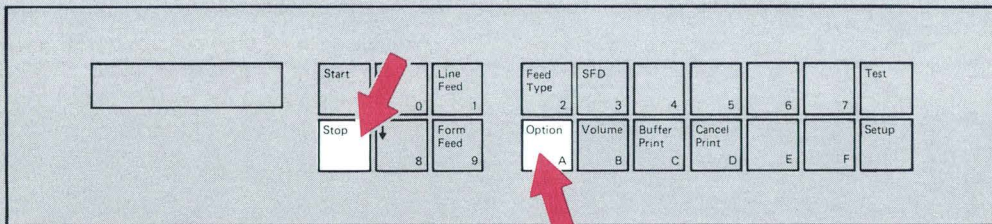
*XX Stopped XXX* appears on the 4214 Printer Model 2 output display:



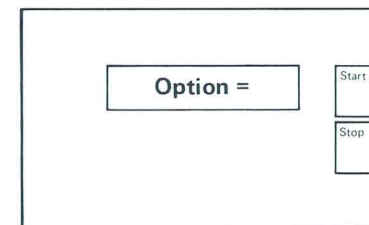


4.46



Press the  key, then press the  key.

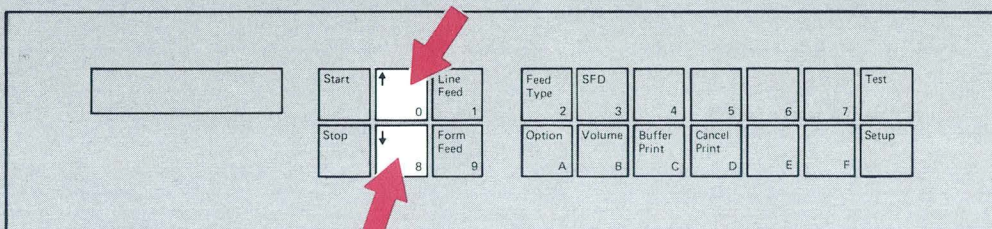


*Option =* appears on the 4214 Printer Model 2 output display:



4.47

Press the  key and the  key.

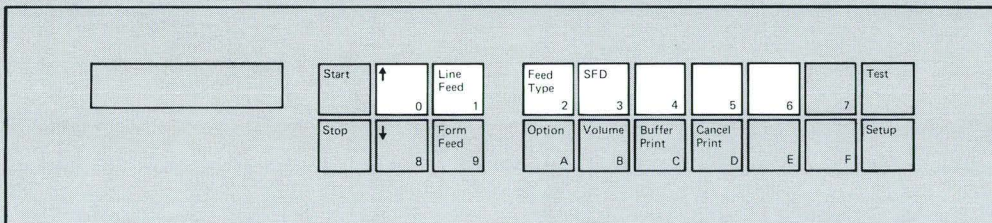


*Address =* appears on the 4214 Printer Model 2 output display:



**4.48**

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



If you should enter an incorrect number, press the  key, and start again from

step **4.46**.



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

a. Press the 

Option
A

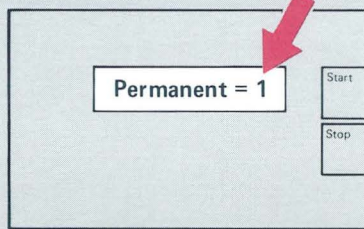
 key.

b. Press the 

Form Feed
9

 key twice.

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

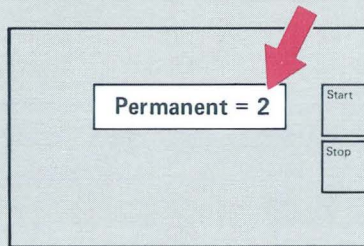


c. Press the 

Feed Type
2

 key.

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

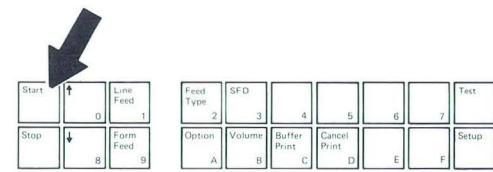
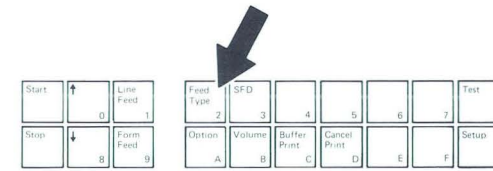
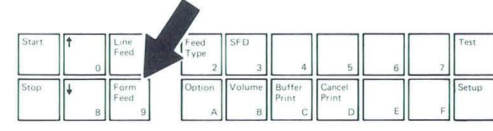
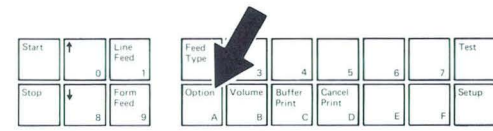


d. When you see the message *Permanent = 2*, press the 

Start
-------

 key to save the address you assigned.

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



4.50

Have you connected all the display stations and printers?

YES



*Section 5: Checking  
Out Your System*

NO



4.1

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

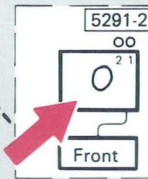


4.51

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

**D** Local Floor Plan  
Customer Name  
Computer Name  
System Operator  
Telephone  
Address  
City/State

EXAMPLE



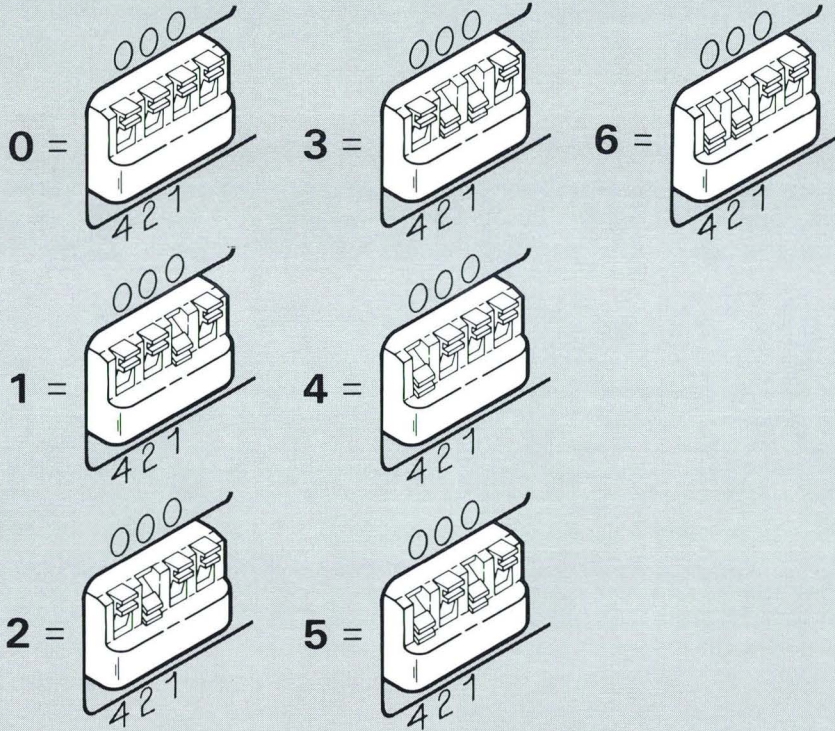
**F** Local Work Station Diagram  
Customer Name  
Customer Number

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

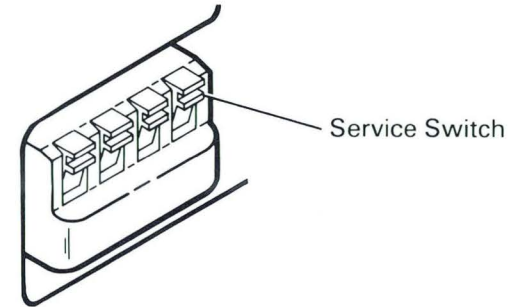


4.52

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

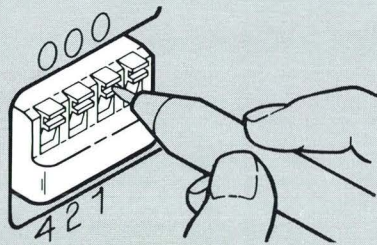


The Service switch is used by the hardware service representative. It has nothing to do with setup. You will set the Service switch to off in an upcoming step **4.54**.



4.53

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





4.54

Set the Service switch to Off.



4.55

Set the Power switch to I (On).

4.56

Have you connected all of the display stations and printers?

YES



*Section 5: Checking  
Out Your System*

NO



4.1

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

4





## Section 5: Checking Out Your System

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

If you are unfamiliar with data processing and computers, a short section on basic computer operating information can be found near the back of this manual; go to **8.C**.

### 5.1

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

### 5.2

The following devices must be prepared for system checkout:

- If you have an IBM 4214 Model 2, 5219, 5224, 5225, 5256, or 5262 Model 1 Printer, go to **8.J** for instructions on how to prepare the printer(s) for system checkout.
- If you have an IBM Personal Computer, make sure:
  - The Display Station Emulation Adapter or Enhanced Display Station Emulation Adapter is installed.
  - The 5250 Emulation Program or Enhanced 5250 Emulation Program is loaded and online.

For instructions, see Appendix A.

The 3262 Printer does not have to be readied at this time.

### 5.3

Make sure of the following:


- All Power switches on all devices in your system are set to the | (On) position.
- The Power Unit Emergency switch on your computer is set to the Power Enable position.
- The checkout diskette is still 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).

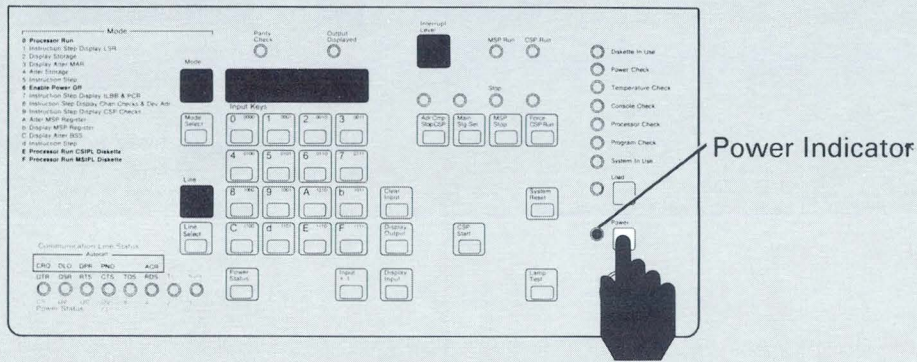
**Note:** If you are attaching an 8809 Tape Drive to a computer that is set up already, use the checkout diskette you received from PID (Program Information Department). Always use the latest level checkout diskette.

Display stations will not have the security key unless the Keylock feature was ordered.

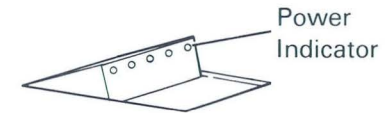


5.4



Press the  key to turn on the computer.

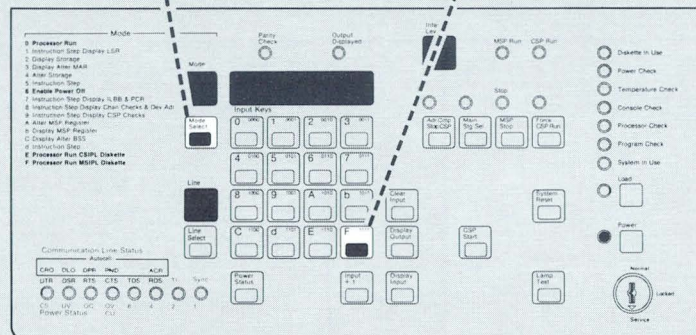


The Power indicator should come on when you press the Power key. If it does not, go to **8.A**. Also, if you have a 3262 Printer attached to the computer, the 3262 Power indicator should come on. If it does not, go to **8.D**.



5.5

Press the  key and then the  key.

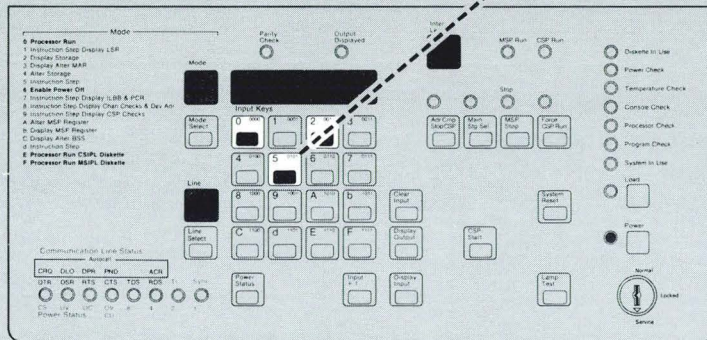
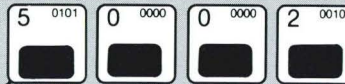


If at some point within this procedure you think you made a mistake, or become unsure about what to do next, return to **5.5** and start again.



## 5.6


Press the keys in the following sequence:




After you press the keys, 5002 should appear on the computer output display.

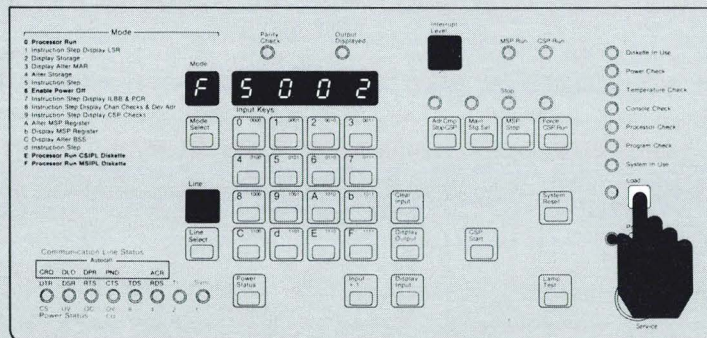


**Note:** If you should enter an incorrect number,

press the  key and enter the correct number.

## 5.7

Press the  key.



After you press the Load key, the computer loads the checkout program. Wait 3 to 5 minutes for the program to load, then go to **5.8**.



**5.8**

Go to the display station designated as the system console, then see **5.9** .

If you are not sure which display station is the system console, look at Form D. Display 01 should be displayed on the system console.

**01**

SYSTEM/36 CHECKOUT PROGRAM  
Device Checkout Selection Menu

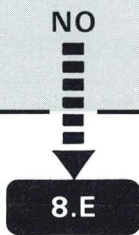
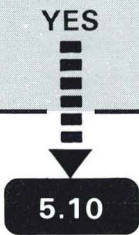
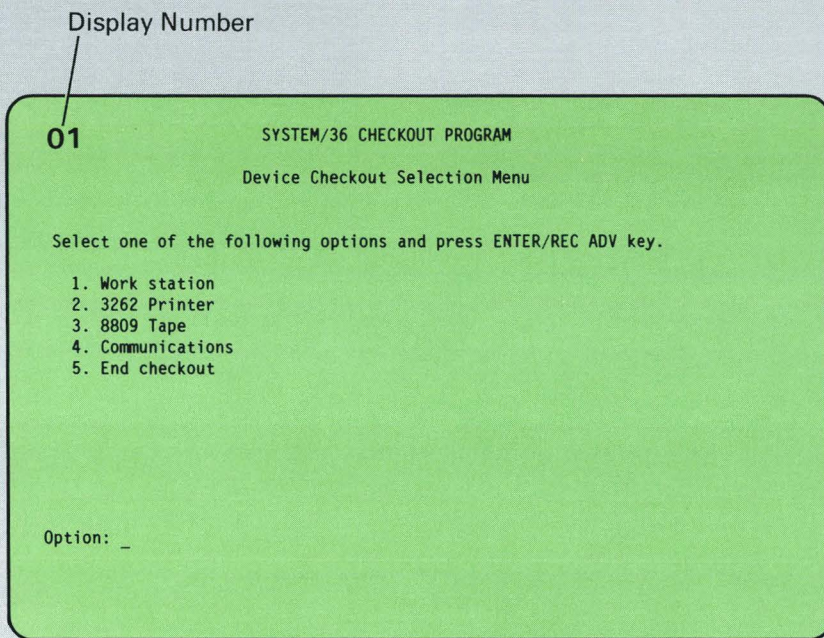
Select one of the following options and press ENTER/REC ADV key.

1. Work station
2. 3262 Printer
3. 8809 Tape
4. Communications
5. End checkout

Option: \_

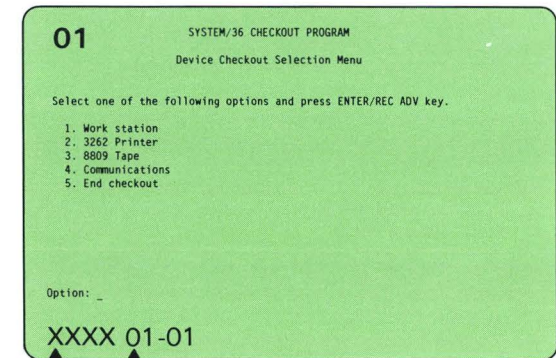
5.9

Is display 01 displayed on the system console?



Display 01 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 more options displayed such as:

1. Work station
2. 3262 Printer
3. 8809 Tape
4. Communications
5. End checkout



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

A system reference code (if one is displayed) appears here in the first four positions.

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



5.10

Select the appropriate path.

You are setting up  
your computer for  
the first time.

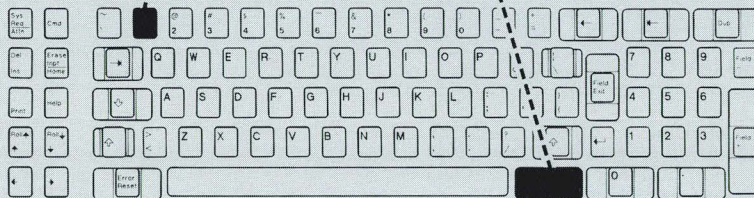
5.11

You are attaching an  
8809 Tape Drive to a  
computer that is set up  
already.

5.24

5.11

Press the **1** key and then the **Enter/Rec Adv** key to select option 1.



After you select option 1, the following display appears. The arrangement of Ds and Ps on your display might not look exactly like the following example:

```

11          SYSTEM/36 CHECKOUT PROGRAM
          Work station

Compare the following with your local work station diagram.

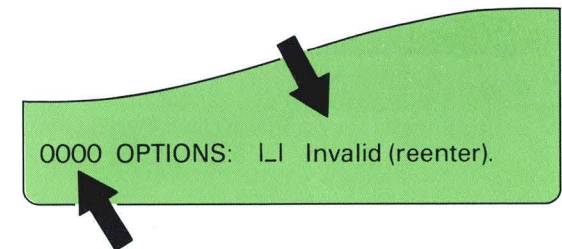
      Address
      0   1   2   3   4   5   6
-----|-----|-----|-----|-----|-----|
D . . . | . . . | . . . | . . . | . . . | . . . | 0
D . . D | . . D | . . D | . . D | . . D | . . P | 1
D . . D | . . . | . . . | . . . | . . . | . . . | 2
D . . . | . . . | . . . | . . . | . . . | . . . | 3
P . . . | . . .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

D = Display station
P = Work station printer

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

When selecting an option, always press a number key first and then the Enter/Rec Adv key. If you have trouble selecting option 1, go to **8.H**.

**Note:** If you select the wrong option and see Invalid Input or Invalid Selection displayed at the bottom of your display, enter the correct information.



If you see a flashing 4-digit number, press the Error Reset key.

The display on your system console should show which display station(s) (D) and printer(s) (P) are connected to the computer and turned on (at the time you started the checkout procedure).

**Note:** If you see a P on port 0 that has an address of 1, this is a 5553 Printer attached to the 5551 Controller.

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



5.12

Compare display 11 to Form F.

Do the address and port numbers match?

YES



5.13

NO

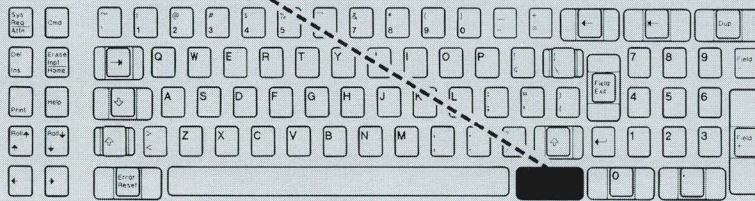


8.F

The address and port number for each display station and printer shown on display 11 should match Form F.

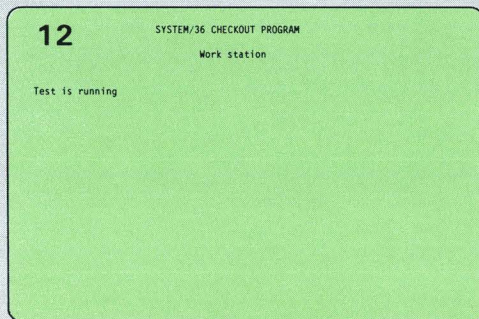
**5.13**

Press the  key.

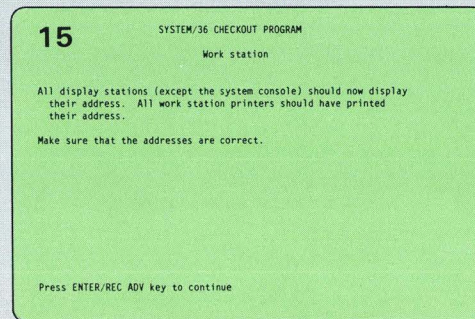


Display 12 appears on the system console momentarily, and then display 15 appears on the system console.

First Display



Second Display



The 5219 Printer system checkout can be done with the automatic sheet feed or tractor feed attached, or no attachments. If you have the automatic sheet feed or tractor feed attached, make sure you have paper loaded into the printer according to the steps described in the 5219 Setup Guide. 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 and a message stating the 5219 Printer is out of forms is displayed at the system console). In this case, press the Start key on the 5219 Printer and ignore the out-of-forms message displayed at the system console.

If the computer finds a problem with any display station or printer, a system reference code is displayed near the bottom of the display on the system console.

If this happens, go to **8.1** for instructions on what to do.



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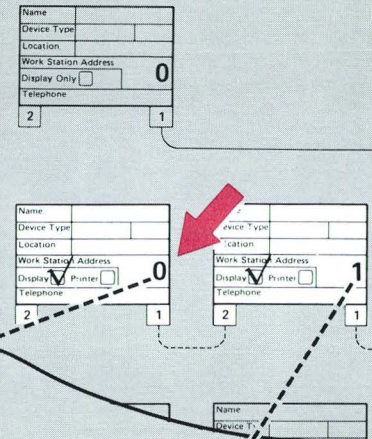
5.14

- Go to each work station and make sure that the displayed or printed address is correct (use Form F).
- At each display station (except 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 **8.H**.

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



13

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 ONLY

13

SYSTEM/36 CHECKOUT PROGRAM

Work station

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

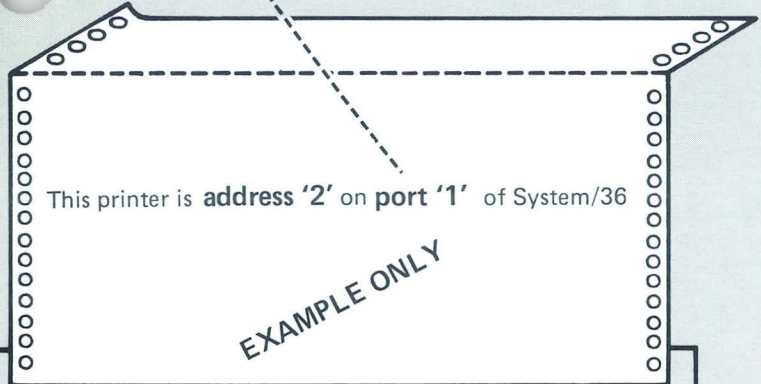
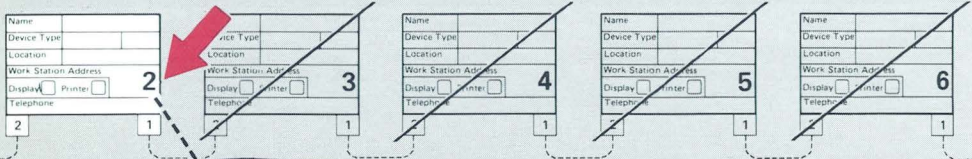
Enter characters from the keyboard and observe the display.  
If these do not correspond, refer to the SETTING UP YOUR COMPUTER manual.

EXAMPLE ONLY

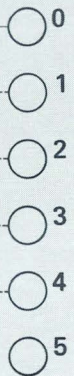


Customer Name \_\_\_\_\_  
Customer Number \_\_\_\_\_

3262 Printer		
Device Type	3262	PA
System Printer	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Print Belt Image		
Translate Table Name		



Computer Ports



If you have a 3262 Printer connected to your computer, it is not tested during this checkout step, and will not print an address.

**5.15**

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

YES



**5.16**


NO



**8.G**



5.16

Go back to the system console. Press the  key.  
Display 16 appears:

16

SYSTEM/36 CHECKOUT PROGRAM


Work station

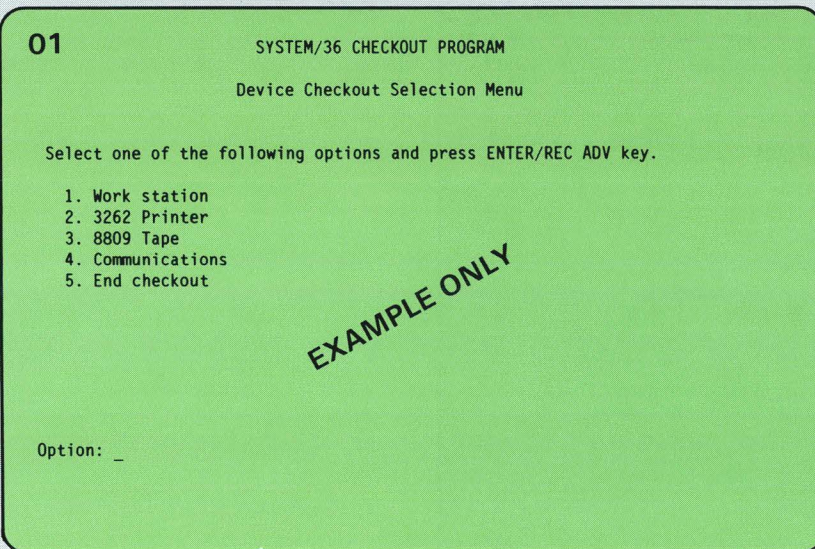
End of work station checkout.

Checkout was successful.

Press SYS REQ/ATTN key to return to selection menu

5.17

Press the  key. The following display appears:





5.18


Do you have the 3262 Printer option on display 01?

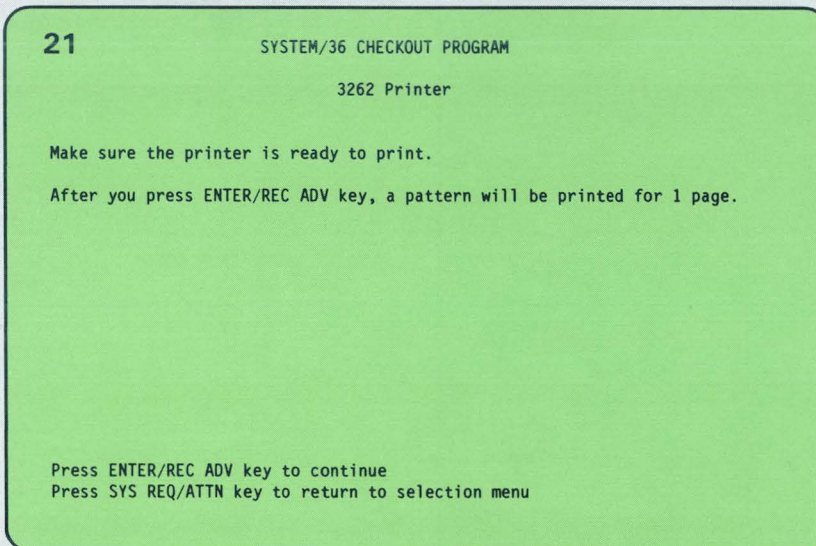
YES

NO

5.22

5.19

Select the 3262 Printer option (the option number of the 3262 Printer on display 01) and press the  key. Display 21 appears:



21 SYSTEM/36 CHECKOUT PROGRAM

3262 Printer

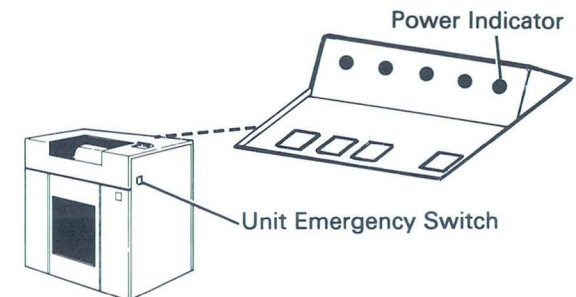
Make sure the printer is ready to print.

After you press ENTER/REC ADV key, a pattern will be printed for 1 page.

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

To make sure the 3262 Printer is ready to print, make sure of the following:

- The paper is in the printer.
- The print unit and cover are closed.
- The Unit Emergency switch is set to the Power Enable position.
- The Power Indicator light glows red (the printer must be turned on).



**Note:** When the 5360 System Unit is shipped, it is configured for a 64-character print belt on the 3262 Printer. If your 3262 Printer does not have a 64-character print belt, you must specify the print belt size of your 3262 Printer when you perform the first configuration of your system. See *Planning for System Configuration, Workbook 5 of What to Do Before Your Computer Arrives, SBOF-4773*, for 3262 Print Belt information.

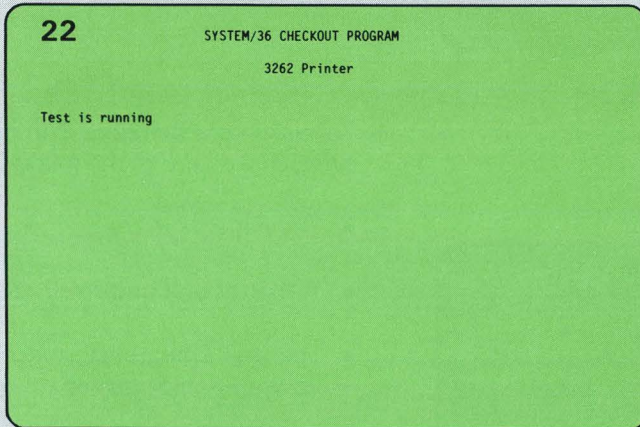


5.20

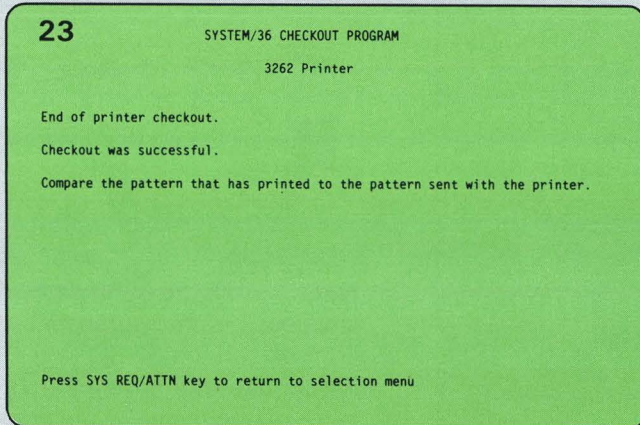
Press the



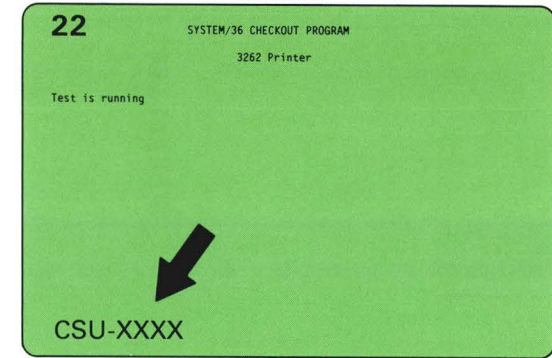
key to start the 3262 Printer test. Display 22



When the 3262 Printer test is complete, display 23 appears:



Should a problem occur during the test of the 3262 Printer, a system reference code is displayed on display 22.

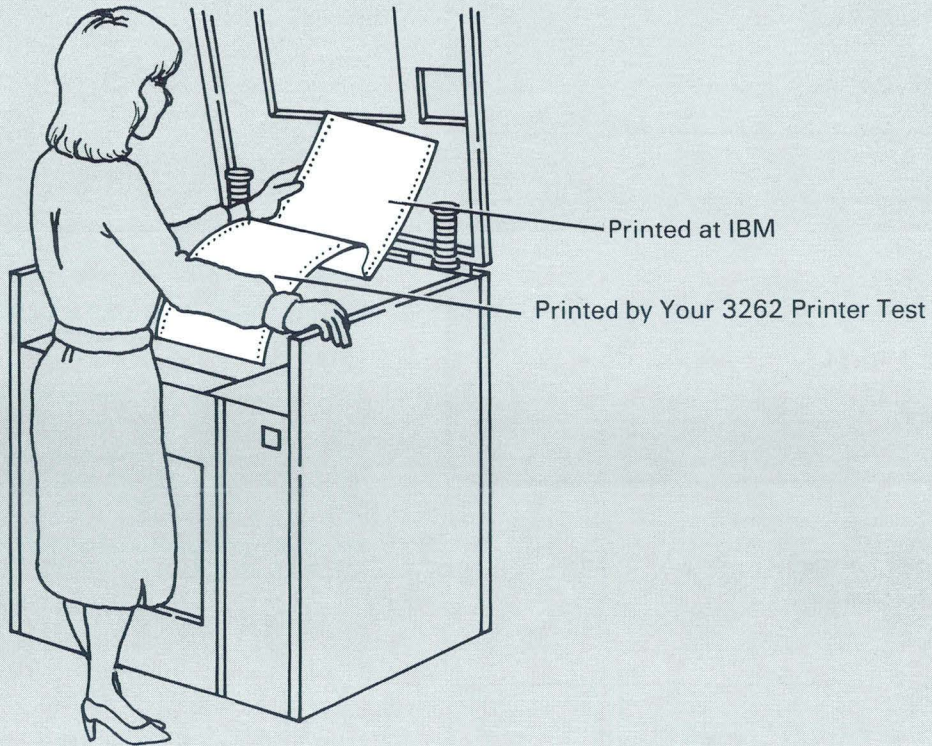


Go to **8.1** for instructions on what to do.



5.21

Compare the printed patterns to make sure the 3262 Printer is working as it should. Then go to the system console.



When your 3262 Printer was tested at the IBM manufacturing plant, a print test was done. The output from that test was left in your printer. The 3262 Printer test should print a similar pattern.

If the pattern looks different or unclear, call your service representative after you complete *Section 5: Checking Out Your Computer*.



5.22

Press the  key.

Display 01 appears at the system console.

5.23

Do you have the 8809 Tape option on display 01?

YES

NO

5.33

5.24

Power on the 8809 Tape Drive. If you have two tape drives, both must be powered on.

01

SYSTEM/36 CHECKOUT PROGRAM  
Device Checkout Selection Menu


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

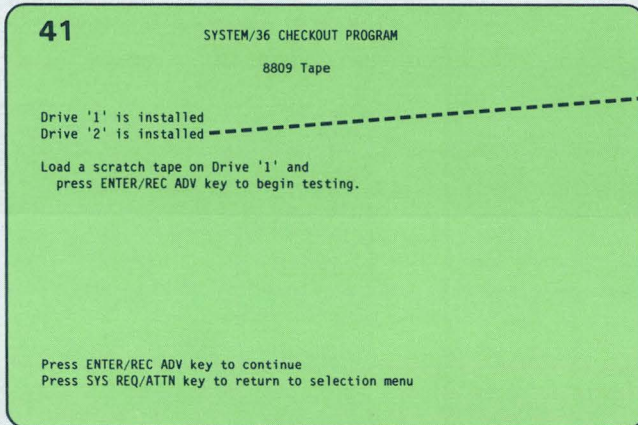
1. Work station
2. 3262 Printer
3. 8809 Tape
4. Communications
5. End checkout

Option: \_



**5.25**

Select the 8809 Tape option (the option number of the 8809 Tape on display 01) and then press the  key. Display 41 appears:



This line appears only if you have a second tape drive connected to the first tape drive.

**5.26**

Do the following steps to make sure the 8809 Tape Drive 1 is ready to be tested:

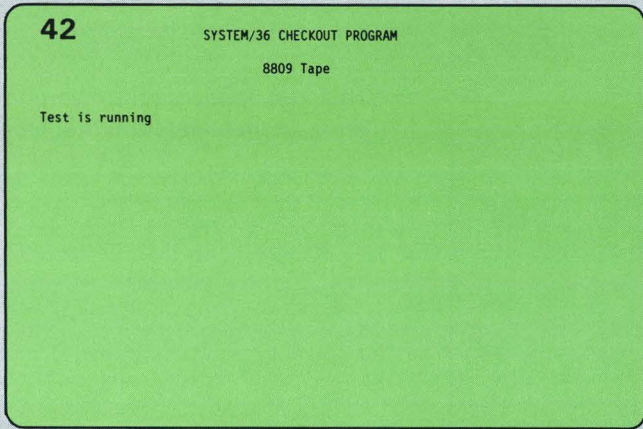
1. The 8809 Tape Drive 1 is set up and a scratch tape loaded. (Use the blank tape that was sent with your 8809 Tape Drive. After you complete checkout for the 8809 Tape Drive, store the tape in a safe place for possible future use.)
2. The top cover of the 8809 Tape Drive 1 is down.
3. The 8809 Tape Drive 1 Ready light is on.

**5.27**

Press the



key to start the test on drive 1. Display 42



If you have one  
drive, go to:

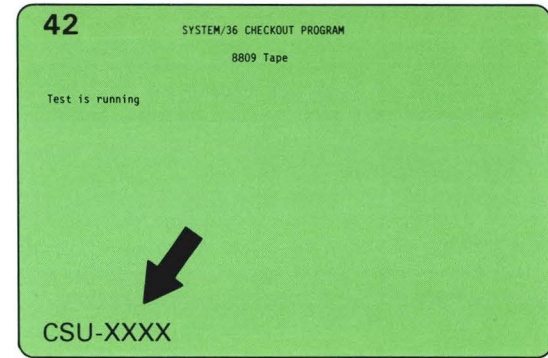
**5.31**

If you have two  
drives, go to:

**5.28**

If you are testing two 8809 Tape Drives, Model 1C (drive 1) will be tested first.

Should a problem occur during the test of drive 1, a system reference code is displayed on display 42.

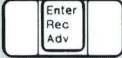


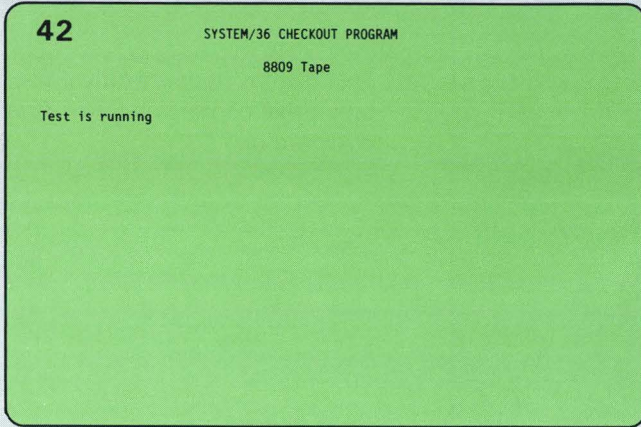
Go to **8.1** for instructions on what to do.





5.30

Press the  key. Display 42 appears:



If you have a second drive to test, display 42 will appear.

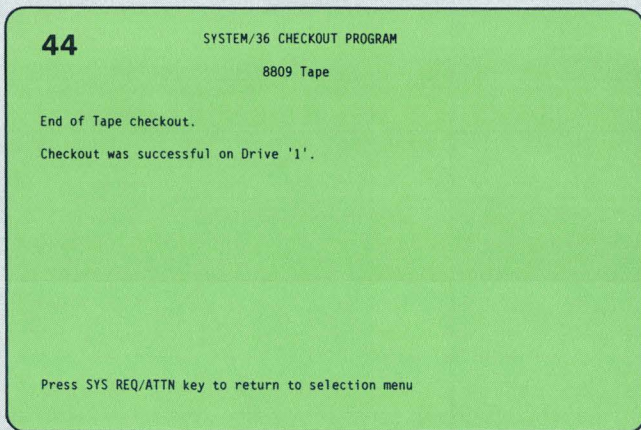


5.32



5.31

Display 44 appears:



If you do not have a second drive to test, display 44 will appear.

5.33

5

5.32

When drive 2 is tested successfully, display 44 appears:

```
44          SYSTEM/36 CHECKOUT PROGRAM
          8809 Tape

End of Tape checkout.

Checkout was successful on Drive '1'.
Checkout was successful on Drive '2'.

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

5.33

Press the  key.

Display 01 appears at the system console.

Should a problem occur during the test of drive 2, a system reference code is displayed on display 42.

```
42          SYSTEM/36 CHECKOUT PROGRAM
          8809 Tape

Test is running

CSU-XXXX
```

Go to **8.1** for information on how to recover from the problem.



5.34

Select the appropriate path.

You are setting up your computer for the first time.

You are attaching an 8809 Tape Drive to a computer that is set up already.

5.40

5.35

Do you have any Communications installed on your computer?

YES


5.36

NO

5.40

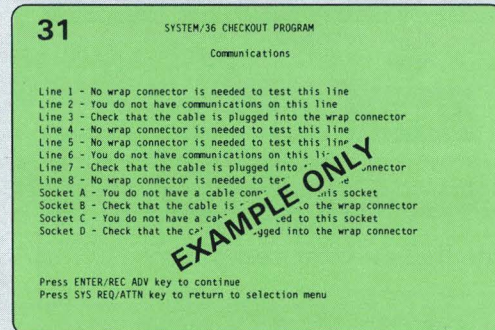
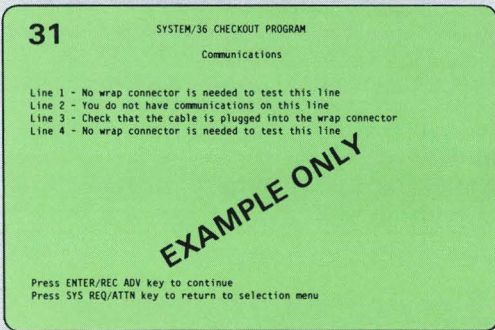
5

5.36

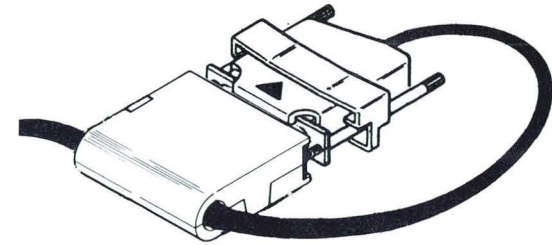
Select the Communications option (the option number of Communications on display 01) and then press the  key.

This display 31 appears if you have the Single Line Communications Adapter (SLCA) or the Multiline Communications Adapter (MLCA supports 1 to 4 communication lines; Feature Code 4500):

This display 31 appears if you have the Eight Line Communications Adapter (ELCA supports 1 to 8 communication lines; Feature Code 4550):




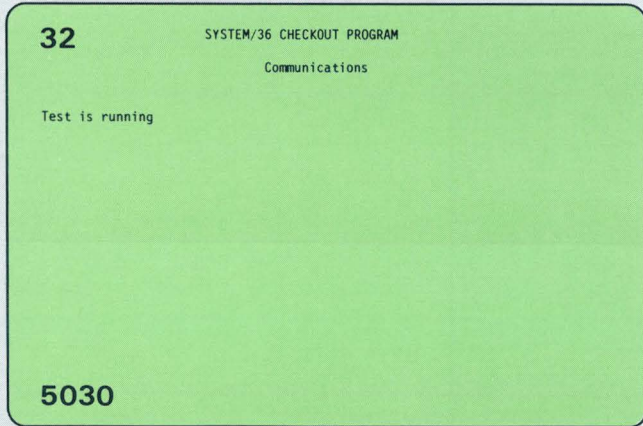
Display 31 in this illustration is an example of what might be displayed. Display 31 on your display shows only those options you have on your computer. A wrap connector is a device used by the computer to test the communications hardware.





5.37

Press the  key. Display 32 appears:



Does the system reference code 5030 appear at the bottom of display 32?

YES



8.1

NO



5.38

5



5.38


When the communications test is complete, display 33 appears:

```
33          SYSTEM/36 CHECKOUT PROGRAM
          Communications

End of communications checkout.
Checkout was successful.

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

5.39

Press the  key. Display 01 appears:

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

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


1. Work station
2. 3262 Printer
3. 8809 Tape
4. Communications
5. End checkout

Option: _
```

Display 01 (Device Checkout Selection menu) appears at the system console.



5.40

Select the End Checkout option on display 01; then press the  key. Display 02 appears:

02

SYSTEM/36 CHECKOUT PROGRAM

End Checkout

This ends the System/36 Checkout program.

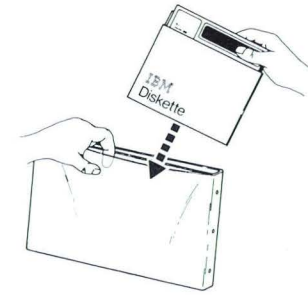
Return to the SETTING UP YOUR COMPUTER manual.

Press SYS REQ/ATTN key to return to selection menu

Display 02 (End Checkout) means System/36 checkout was successful.

5.41

Remove the checkout diskette from the computer and place it in the envelope.

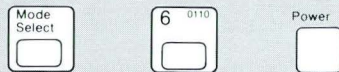


You might want to keep the checkout diskette in the binder with the *Setting Up Your Computer* manual.

If you do not have a binder, put this diskette in another binder or envelope and keep it near the planning packet, *What to Do Before Your Computer Arrives*, SBOF-4773.

5.42

Press the keys in the following sequence to turn off the computer:





5.43

Select the appropriate path.

You are setting up your computer for the first time.

You are attaching an 8809 Tape Drive to a computer that is set up already.

You have completed set up. See the manual, *Changing Your System Configuration*, SC21-9052, for information about adding tape support to your system configuration.

5.44

Do you have Communications?

YES

NO

Section 6,  
*Connecting the Communications Cable*

6.32

5

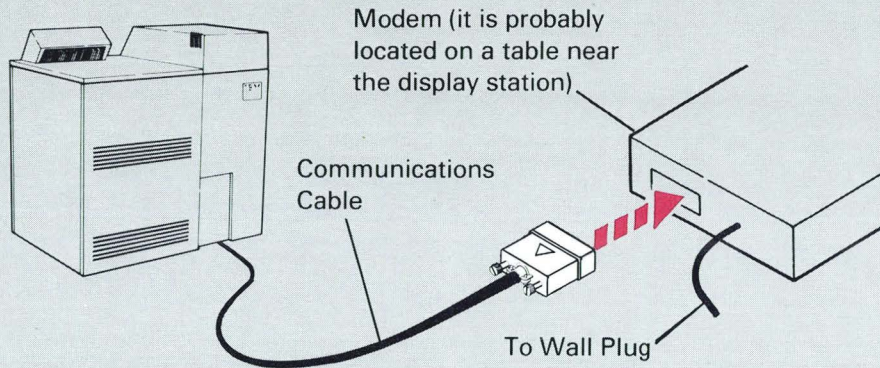




**Section 6: Connecting the Communications Cable(s)**

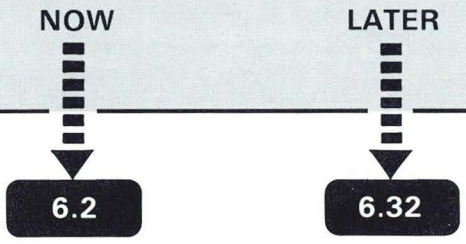
6.1

**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 is packaged with each device.

**Are you planning to connect the communications cable(s) NOW or LATER?**



A modem or Service Channel Unit is a device that changes the signal from the computer into a signal that can be transmitted to another computer location.

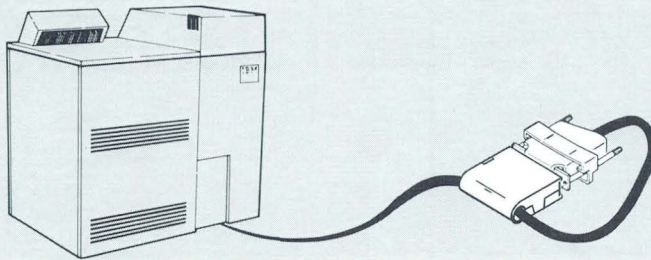
The modem shown is only one of several types that are available.


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

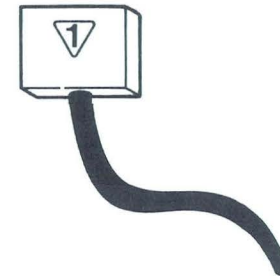


**6.2**

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 .



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

6.3

Determine the communications type for each cable by comparing the part number on the communications cable(s) to the part number in chart 6.5.

Communications Type	From Your Computer	To Your Data Communications Equipment	On To Step
EIA-422/423	DB9	DB25 To Modem or Adapter Unit	6.6
DDBA	DB9	To a Channel Service Unit	6.11
RS-232C	DB9	DB25 To Modem or Adapter Unit	6.12
		No Breakout	6.13

Communications Type	From Your Computer	To Your Data Communications Equipment	On To Step
1200 Non-Integrated Switched Network	DB9	To Data Channel	6.75
1200 Non-Integrated Nonswitched Network	DB9	To Printer	6.14
V.35 WIDEBAND	DB9	To V.35 Modem	6.71
X.21 OR X.25	DB9	No Breakout To X.25 Terminal	6.28

Part Number



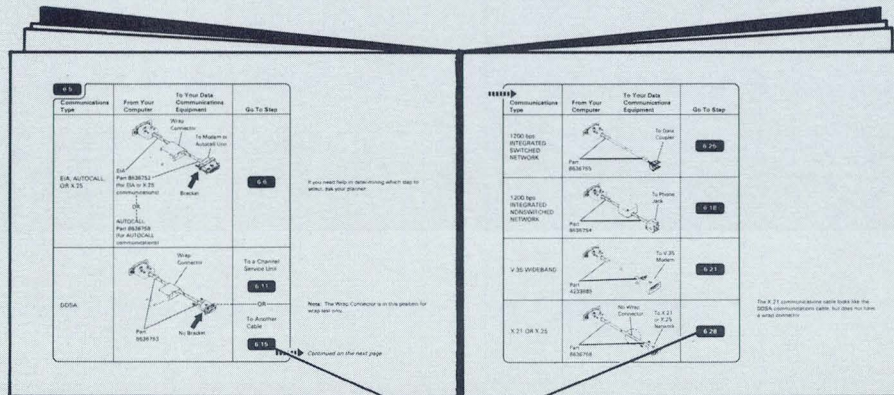
Part Number

Communications Cable



## 6.4

Once you have determined the communications type, go to the step specified in chart **6.5**.

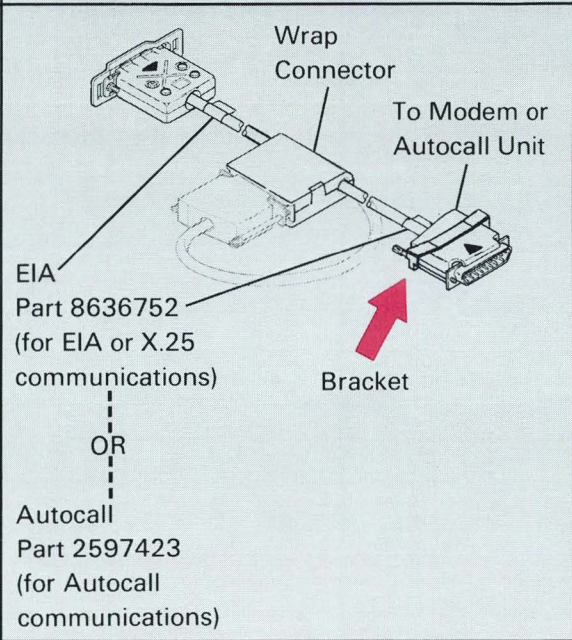
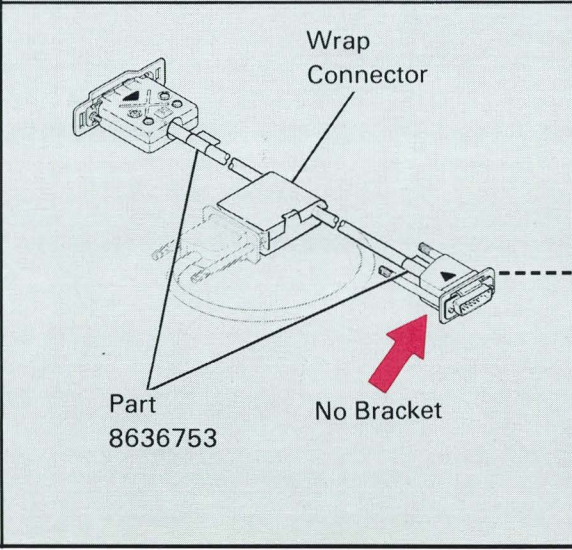


Specified Steps

For X.25 communications, you will be using either an EIA or X.21 cable. Check the part number on the cable; then use the appropriate step:

- EIA (part 8636752)
- X.21 (part 8636756)

**6.5**

Communications Type	From Your Computer To Your Data Communications Equipment	Go To Step
<p>EIA, AUTOCALL, OR X.25</p>	 <p>Wrap Connector</p> <p>To Modem or Autocall Unit</p> <p>EIA Part 8636752 (for EIA or X.25 communications)</p> <p>OR</p> <p>Autocall Part 2597423 (for Autocall communications)</p> <p>Bracket</p>	<p><b>6.6</b></p>
<p>DDSA</p>	 <p>Wrap Connector</p> <p>Part 8636753</p> <p>No Bracket</p>	<p>To a Channel Service Unit (remote DDSA communications line)</p> <p><b>6.11</b></p> <p>OR</p> <p>To Another Cable (local DDSA communications line)</p> <p><b>6.15</b></p>

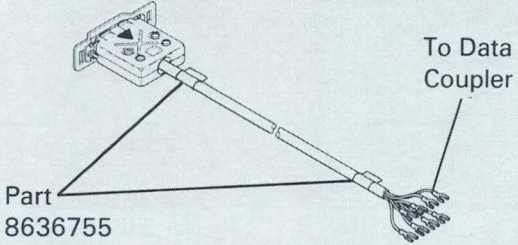
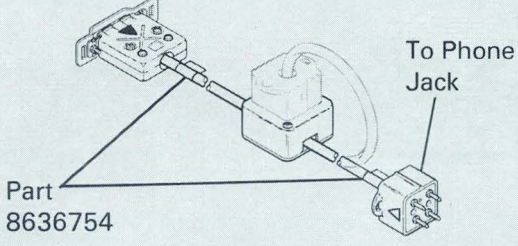
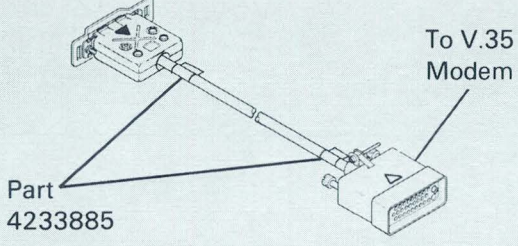
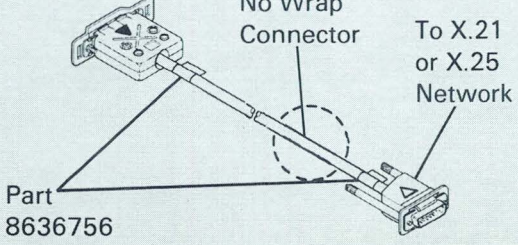
If you need help in determining which step to select, ask your planner.

The wrap connector is in this position for wrap test only.

Continued on the next page



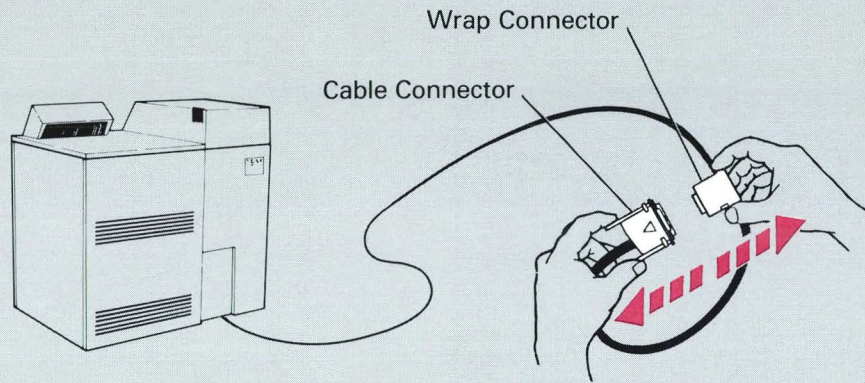


Communications Type	From Your Computer	To Your Data Communications Equipment	Go To Step
1200 bps INTEGRATED SWITCHED NETWORK	 <p>Part 8636755</p>		<b>6.25</b>
1200 bps INTEGRATED NONSWITCHED NETWORK	 <p>Part 8636754</p>		<b>6.18</b>
V.35 WIDEBAND	 <p>Part 4233885</p>		<b>6.21</b>
X.21 OR X.25	 <p>Part 8636756</p>		<b>6.28</b>

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

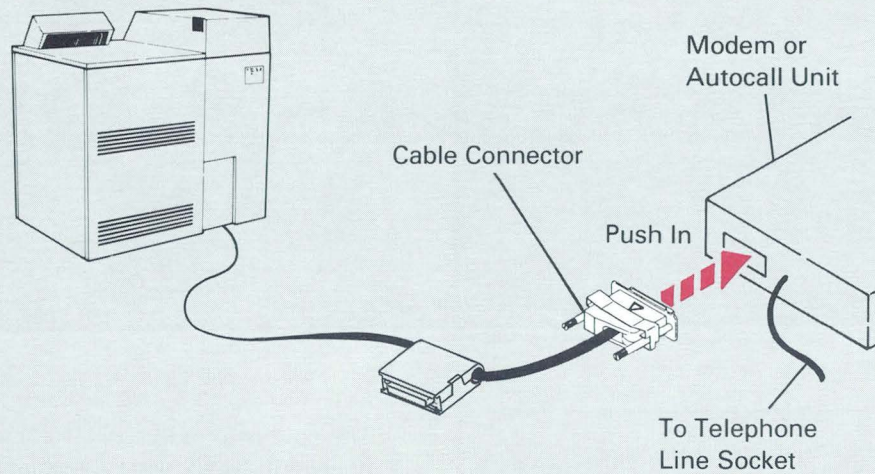
**6.6**

You have the communications cable that is used for EIA, Autocall, or X.25 communications. Pull the cable connector out from the wrap connector.





## 6.7



Make sure the modem or Autocall unit is powered off before connecting the cable.

If you have an Autocall cable, it attaches to an Autocall unit (can be a separate box or part of the modem). Be sure your Autocall cable connects to communications socket 2 or 4, if you have the Multiline Communications Adapter (MLCA supports 1 to 4 communication lines; Feature Code 4500), or to communications socket A, B, C, or D if you have the Eight Line Communications Adapter (ELCA supports 1 to 8 communication lines; Feature Code 4550) on the computer. If you are unsure, call the person responsible for modem installation.

**Note:** The Autocall cable is associated with a specific EIA communications socket:

If you have the Multiline Communications Adapter (MLCA supports 1 to 4 communications lines; Feature Code 4500):

- Autocall socket 2 is associated with EIA communications socket 1.
- Autocall socket 4 is associated with EIA communications socket 3.

If you have the Eight Line Communications Adapter (ELCA supports 1 to 8 communications lines; Feature Code 4550):

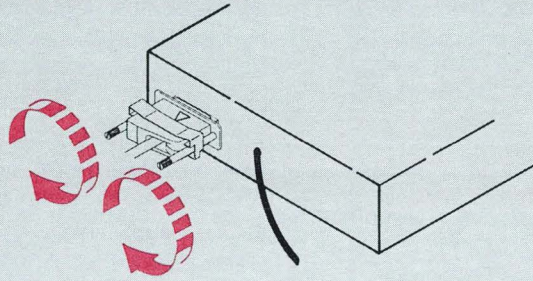
- Autocall socket A is associated with EIA communications socket 1.
- Autocall socket B is associated with EIA communications socket 3.
- Autocall socket C is associated with EIA communications socket 5.
- Autocall socket D is associated with EIA communications socket 7.

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

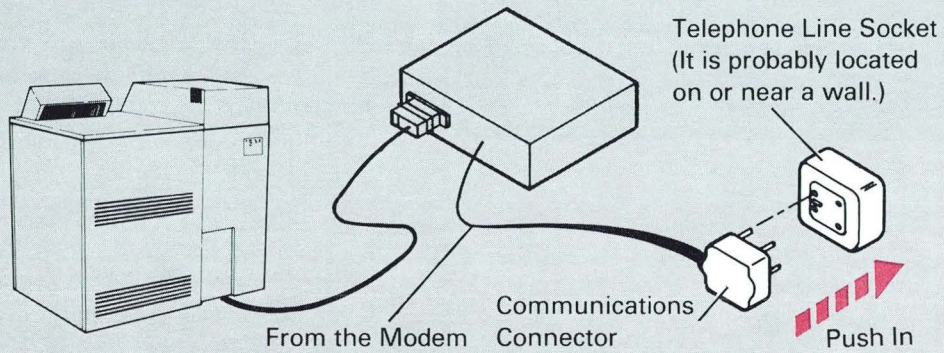
The associated EIA communications cable attaches to the modem and is always connected to communications socket 1, 3, 5, or 7 on the computer.

6.8

Tighten the screws on the cable connector.



6.9



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.

6.10

Do you have another communications cable to connect?

YES



6.2

NO

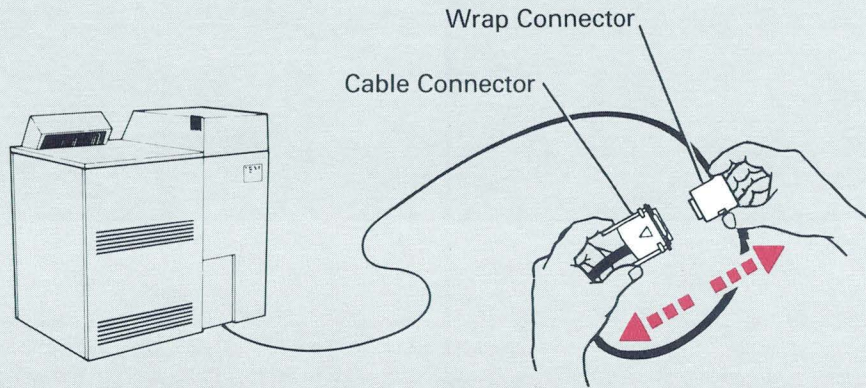


6.32

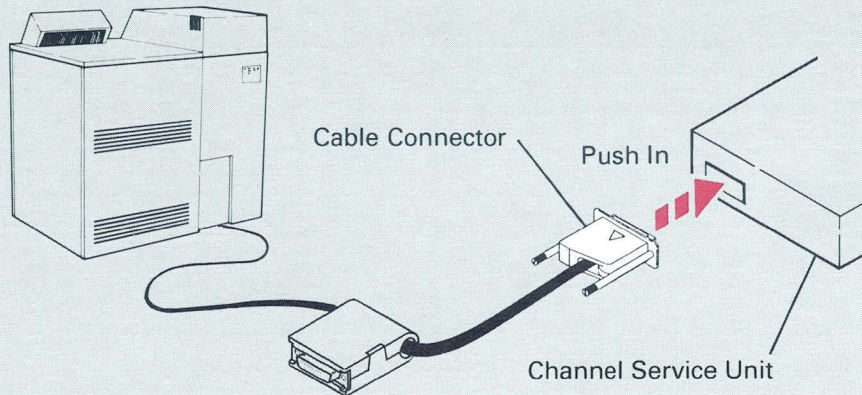


6.11

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



6.12



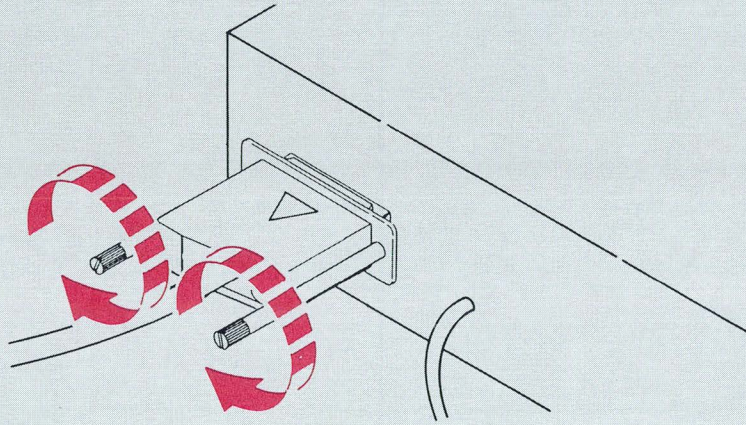
The channel service unit should have been installed before setup. If it was not installed, contact the person responsible for telephone line connection.

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



**6.13**

Tighten the thumbscrews on the cable connector.



**6.14**

Do you have another communications cable to connect?

YES



**6.2**

NO

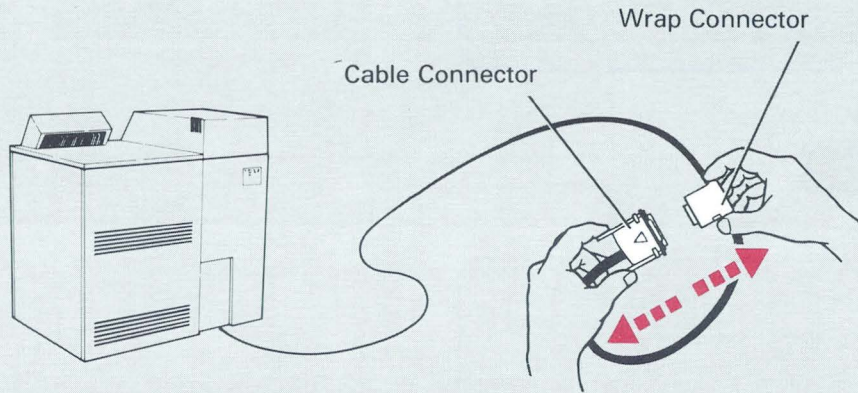


**6.32**

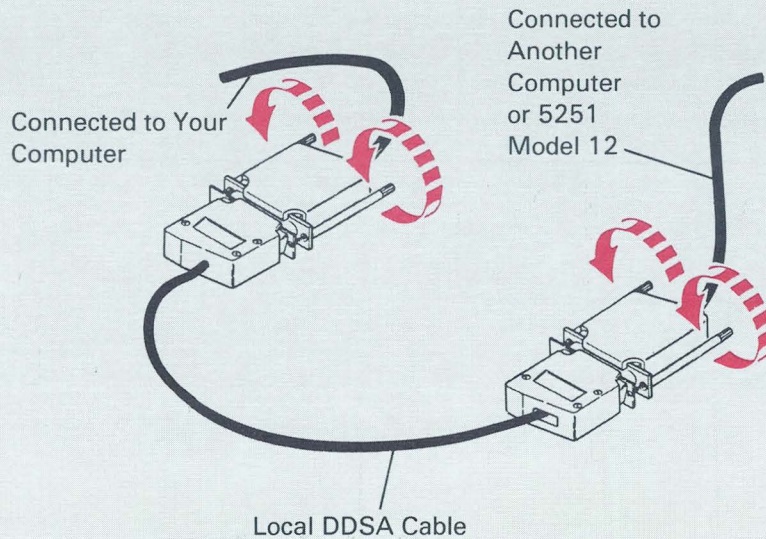


6.15

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



6.16



The local DDSA cable is in a plastic bag that came with your computer. This cable should have been ordered. If not, call your IBM representative and order part 4236967 for the local DDSA Cable.

The other end of the DDSA cable is or will be connected to another computer or 5251 Model 12.

6

6.17

Do you have another communications cable to connect?

YES



6.2

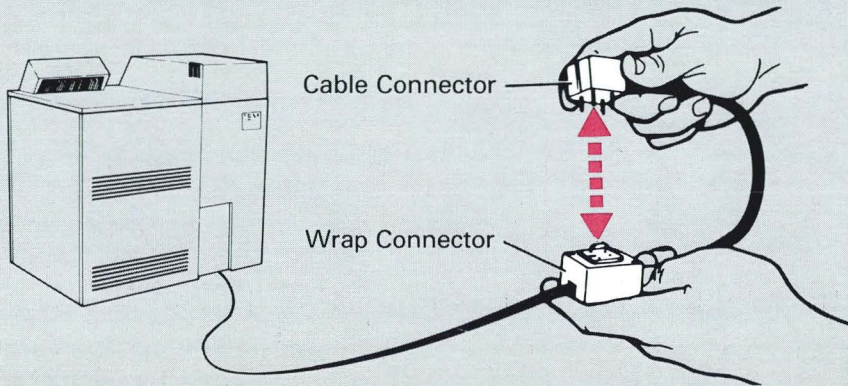
NO



6.32

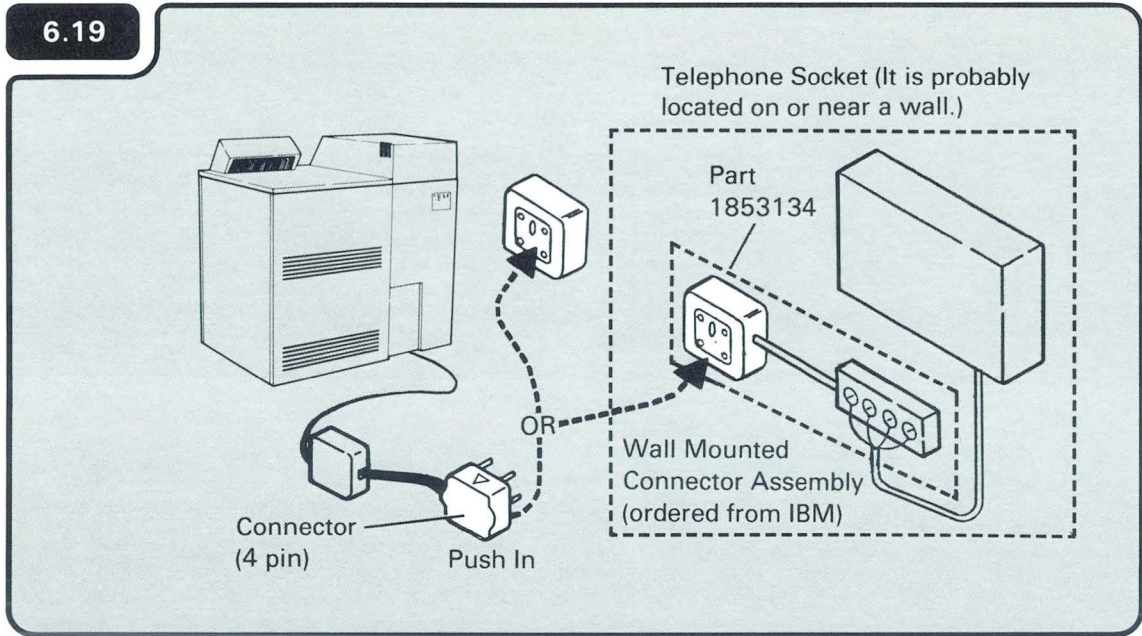
6.18

You have the 1200 bps integrated nonswitched communications cable. Pull the cable connector from the wrap connector.





6.19



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

The IBM Wall Mounted Connector is part 1853134.

6.20

Do you have another communications cable to connect?

YES

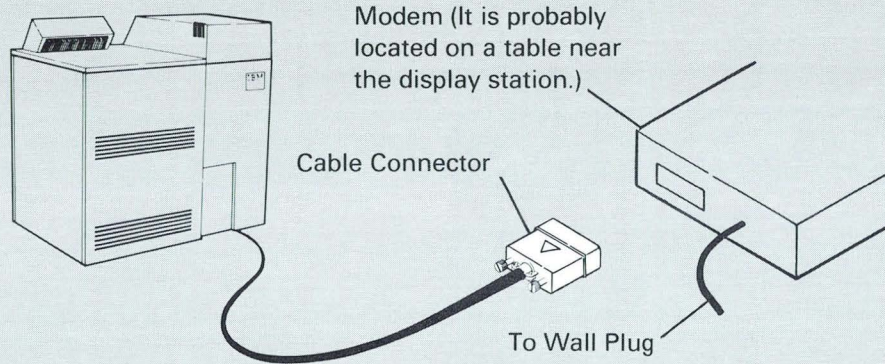
6.2

NO

6.32

**6.21**

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

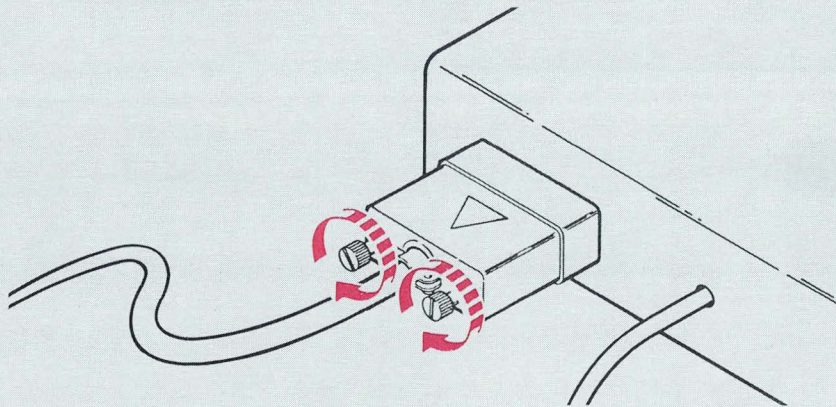


The modem shown is only one of several types that are available.

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

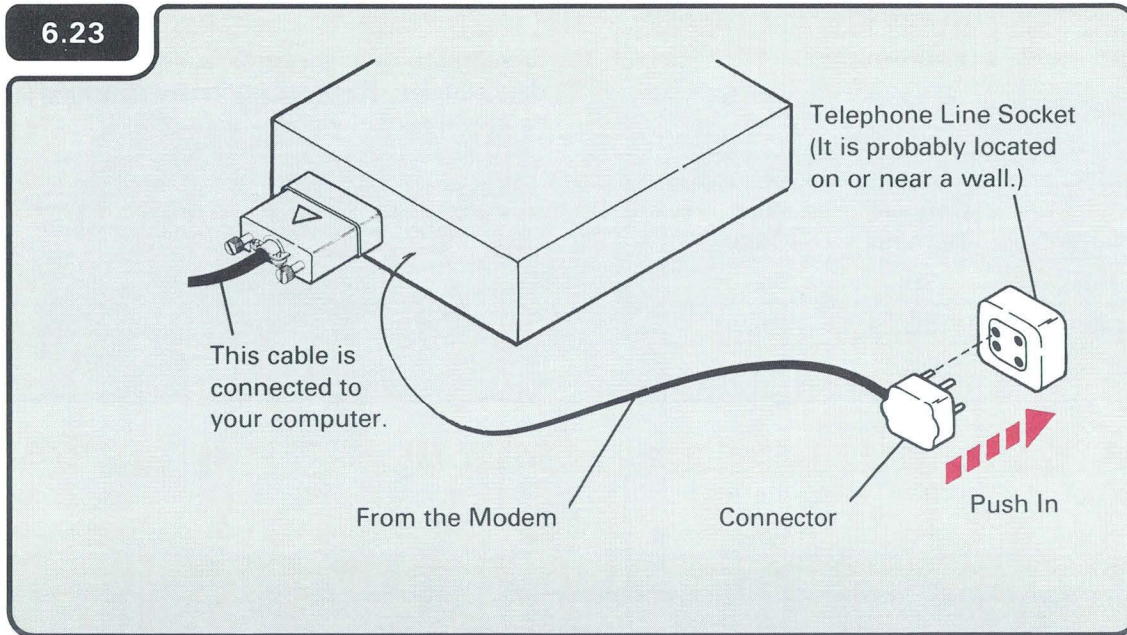
**6.22**

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





6.23



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

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

6.24

Do you have another communications cable to connect?

YES



6.2

NO



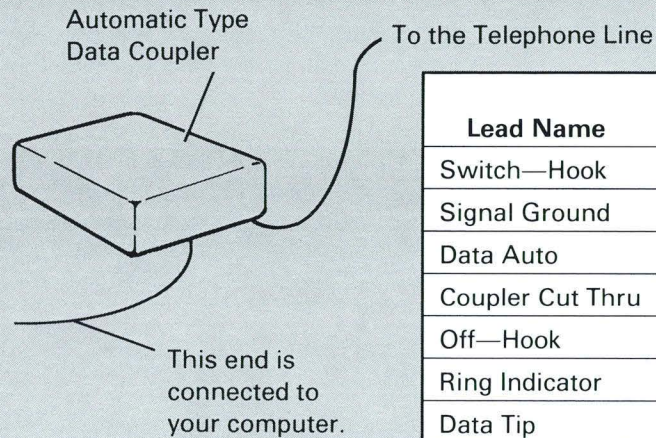
6.32

6



**6.25**

**You have the 1200 bps integrated switched modem.**

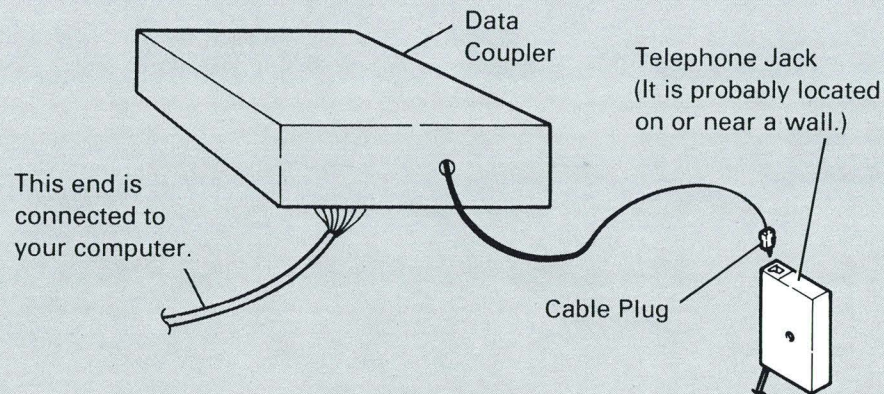


Lead Name	Coupler Terminal	Wire Color
Switch—Hook	SH	Red
Signal Ground	SG	Gray
Data Auto	DA	Yellow
Coupler Cut Thru	CCT	Brown
Off—Hook	OH	Blue
Ring Indicator	RI	Violet
Data Tip	DT	White
Data Ring	DR	Black

Have the cable (eight wires) connected to the data coupler. The instructions for attaching the cable are packed with the data coupler.

**6.26**

**Push the cable plug from the data coupler into the telephone jack.**



The data coupler and telephone line plug shown are for FCC registered data jacks. Other types might be available.

Be sure that the data coupler is connected to an electrical source.



6.27

Do you have another communications cable to connect?

YES



6.2

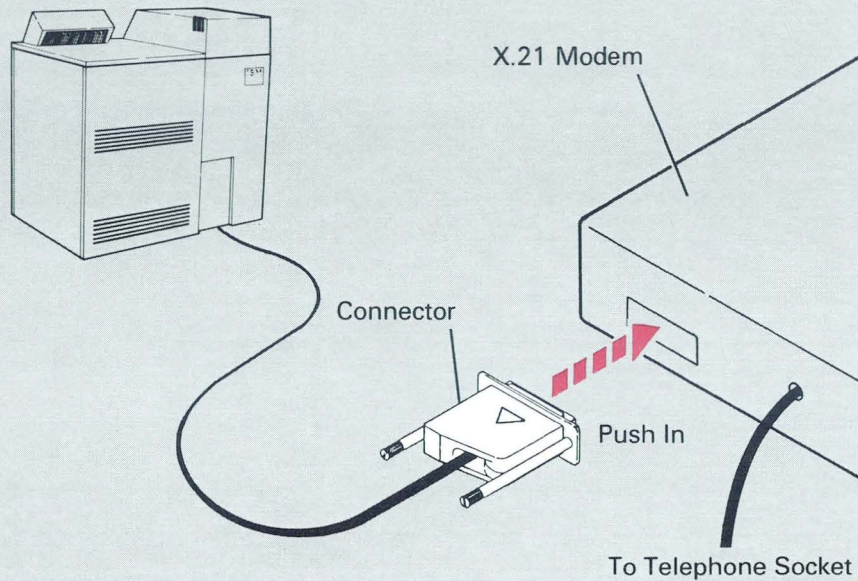
NO



6.32

6.28

You have the communications cable that is used for X.21 or X.25 communications.

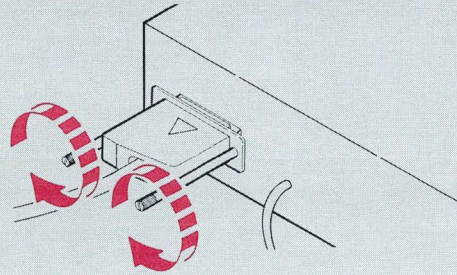


6

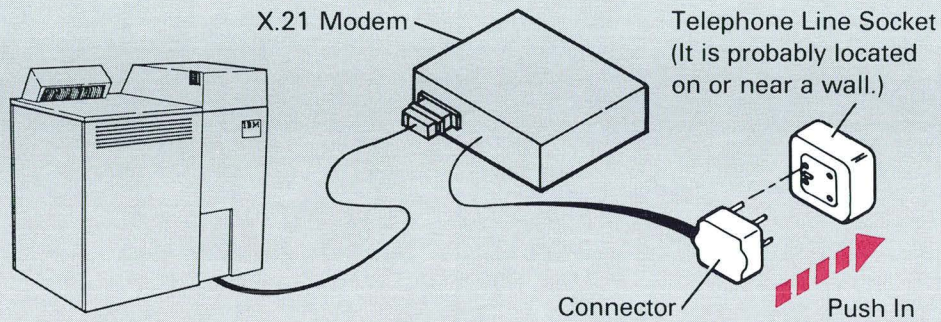


6.29

Tighten the thumbscrews on the cable connector.



6.30



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

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

6.31

Do you have another communications cable to connect?

YES



6.2

NO



6.32



**6.32****You have completed setup.**

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

Read *Performing the First System Configuration for Your System*, SC21-9022.

There is no additional communications testing in this manual.

When you remove the checkout diskette, you might want to keep it in the binder with the *Setting Up Your Computer* manual.

If you do not have a binder, put this manual and diskette in an envelope or another binder and keep it near the planning packet, *What to Do Before Your Computer Arrives*, SBOF-4773.

Also, be sure to fold and return Forms D and F to *Forms for Planning*, SA21-9446.

1. The first part of the document discusses the importance of maintaining accurate records of all transactions. This is essential for ensuring the integrity of the financial statements and for providing a clear audit trail. The second part of the document outlines the various methods used to collect and analyze data, including interviews, surveys, and focus groups. The third part of the document describes the results of the research, which show that there is a strong correlation between the use of accurate records and the reliability of the financial statements. The fourth part of the document discusses the implications of these findings for the development of accounting standards and for the training of accountants. The fifth part of the document provides a conclusion and a list of references.



7

As your installation grows, it may become necessary to relocate the computer. All of the planning and site preparation activities planned for the setup of your system should be reviewed in *Planning to Set Up Your Computer: Workbook 3*.

Review the following procedure to disconnect the computer.

1. Notify the service representative and tell him of the new location for the computer.
2. Remove all diskettes and close the diskette magazine cover.
3. Set all Power switches to the O (Off) position.
4. Unplug the power cords from the outlets.
5. Remove the security key(s) from your computer. If necessary label these.
6. Close the control panel cover.
7. If a display station has the Keylock feature, turn the key to the locked position and remove the key. If necessary, label this.
8. Put the Security key (and Keylock key) in an envelope and give it to the system manager.

Some devices that attach to System/36 have their own relocating instructions. Be sure to read those instructions also.

■■■■■▶ *Section 7 Continued*

7





9. Identify and relabel each cable, if necessary:

Look at each cable to be sure that the label is still attached to it. If not, make a label.

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

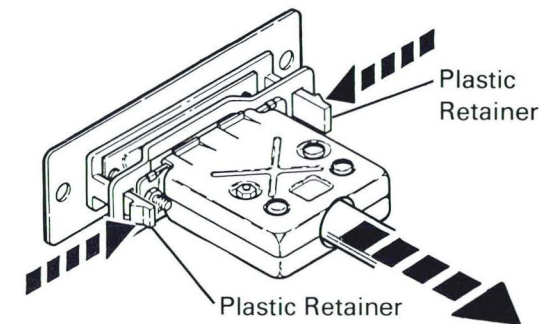
**CAUTION:** The cable and cable connectors are durable, but can be damaged if stepped on or thrown.

10. 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 it with tape.
- c. To disconnect the communications cable(s), perform the following steps:
  - Open the work station port panel.
  - Do **3.17** and **3.18** in reverse order.
- d. To disconnect the 3262 Printer, do the following:
  - Open the work station port panel.
  - Do **3.7** through **3.10** in reverse order.

For information on making labels, see *Preparing to Receive Your Computer: Workbook 7*.

Push the plastic retainers in while pulling on the communication cable connector.



Do not do step D if your 3262 Printer is not a customer setup model. (You can tell by reviewing **3.5** in this manual. If your 3262 Printer is not a customer setup model, call your hardware service representative to disconnect your 3262 Printer.)

Section 7 Continued





- e. To disconnect the 8809 Tape Drive cable, do the following:
  - Open the work station port panel.
  - Do **3.12** through **3.14** in **reverse** order.
- 11. Make sure the Maintenance Library box (that came with the computer) is moved with the computer.
- 12. For relocating instructions of other devices, see the manual that accompanies that device or, if no manual accompanies that device, contact your IBM representative and order that manual.
- 13. If your computer has communications, you might need to call the telephone company.
- 14. When you set up the computer again, use that manual.

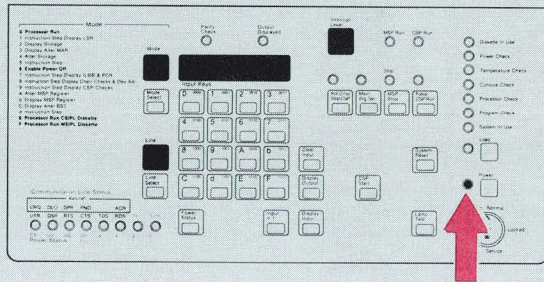




## Section 8: Responding to System Reference Codes and Other Problems

## SYSTEM/36 POWER INDICATOR IS NOT ON

8.A



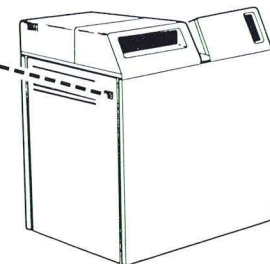
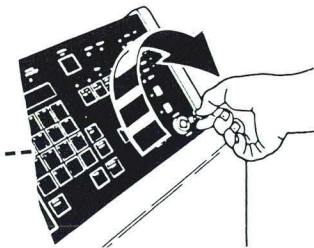
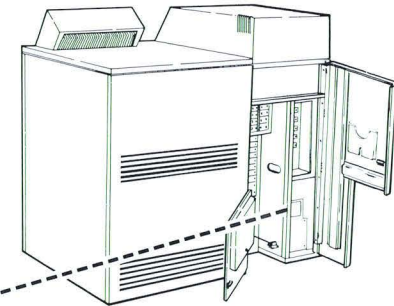
Power Indicator (should glow green when on)

**Cause:** One of the following conditions exists:

- The power cord is not plugged in ( **2.5** ).
- Circuit Breaker 1 (CB1) is not set to the I (On) position ( **2.6** ).
- The security key is either not inserted or not turned to the Service position ( **2.9** ).
- The Unit Emergency switch is not set to the Power Enable position ( **2.6** ).
- There is no power to the electrical outlet.

**Action:**

1. Check the above causes.
2. Return to **2.16** and do the computer checkout again. If the Power indicator still does not turn on, call your hardware service representative.



If you came here from *Section 5: Checking Out Your System*, return to **5.4**.

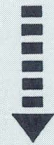


## A SYSTEM REFERENCE CODE OTHER THAN 5360 IS DISPLAYED

### 8.B

Is the system reference code 5099 or CFD2 displayed?

YES



Make sure of the following:

- The checkout diskette is inserted correctly (review **2.11** through **2.15** ).
- The diskette locking lever or cover is closed.
- The diskette is not damaged (bent).

Do the following:

1. Make sure all of the packing tape is removed from around the diskette magazine drive.
2. Record the code that is displayed: \_\_\_\_\_ (write the code here).

3. Press the keys in the following sequence to turn off the computer:

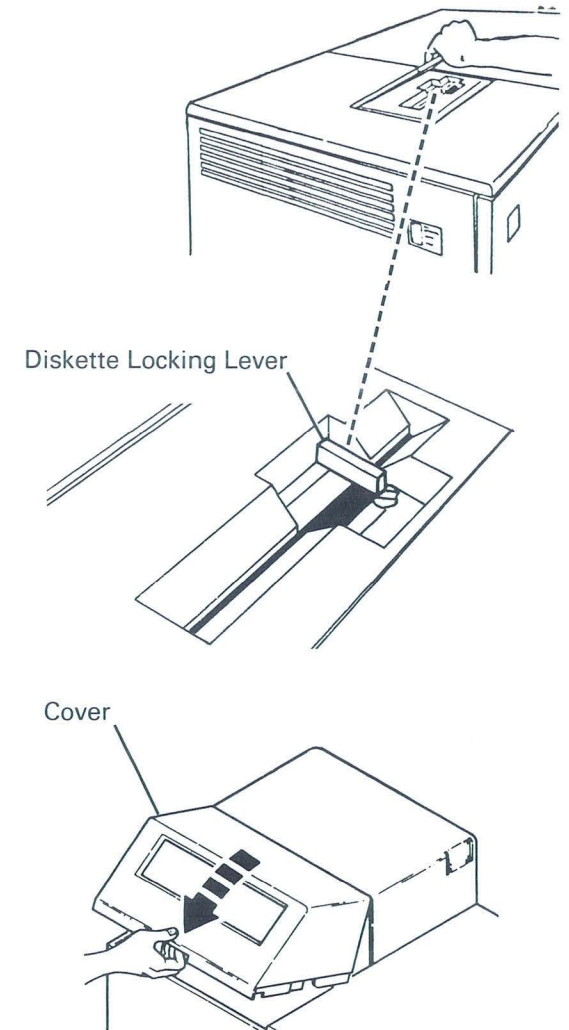


4. Return to **2.16** and try again. If you get the same code or another code different from 5360, record that code also and call your hardware service representative: \_\_\_\_\_ (write the code here).

NO



1. (on this page)





8.C

**Display Station Keyboard**

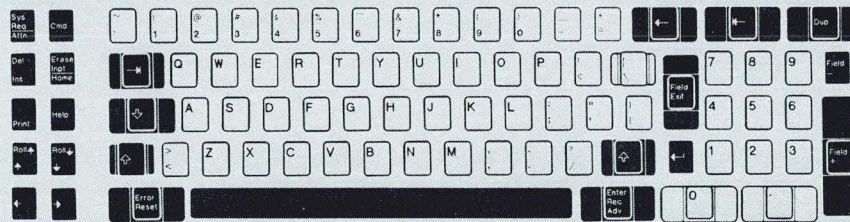
The display station keyboard contains several types of keys. The following description will describe only those keys you will use during checkout.

**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.

When you return to Section 5, you will repeat some of the same steps completed earlier in Section 2, plus a few more. The new steps are done at the system console.

Section 8.C Continued

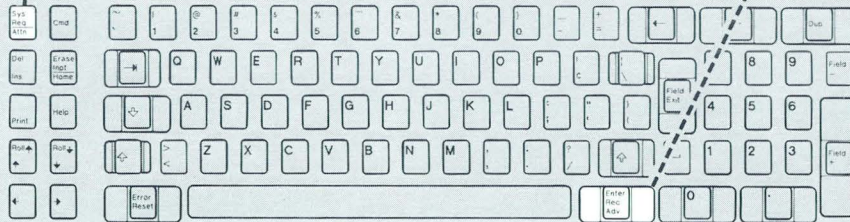




**Enter/Rec Adv Key:** This key tells the computer that you are ready to send data or tells the computer to display the next prompt or menu (these will be explained later).

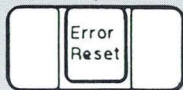
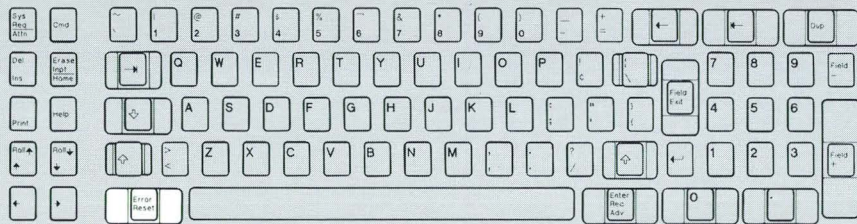


During the checkout procedure, you will use the Sys Req/Attn key to return to the beginning of the checkout program.



Section 8.C 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.

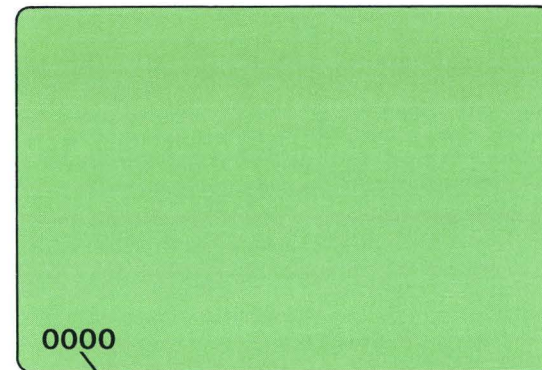
### Display Screen

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 character or number that you type will appear.

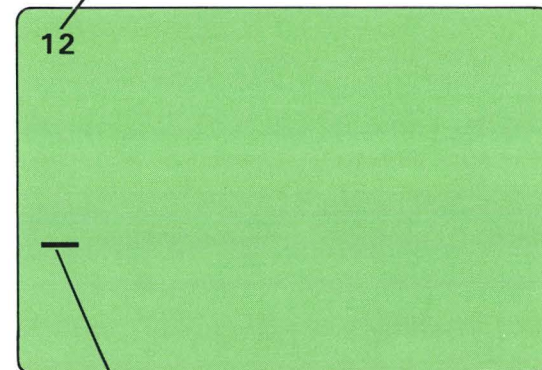
Also, each display has an identification number. This is how you can distinguish one display from another.

<sup>1</sup>The vertical bar is also called a blob in some setup manuals.



0000

System Reference Code



12

Display Identification Number

Cursor



Section 8.C Continued





## Menus and Prompts

A menu is a displayed list of options as shown in the following example:

```

01          SYSTEM/36 CHECKOUT PROGRAM
          Device Checkout Selection Menu

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

1. Work station
2. 3262 Printer
3. 8809 Tape
4. Communications
5. End checkout

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.

```

11          SYSTEM/36 CHECKOUT PROGRAM
          Work station

Compare the following with your local work station diagram.

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

D = Display station
P = Work station printer

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

```



Section 8.C Continued



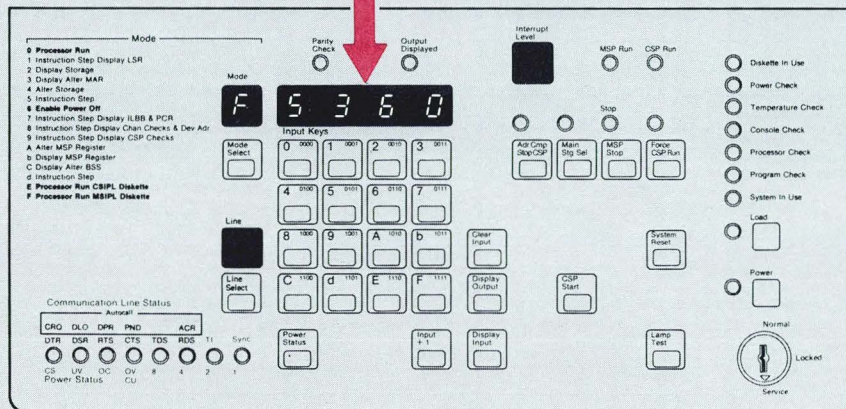


## System Reference Code

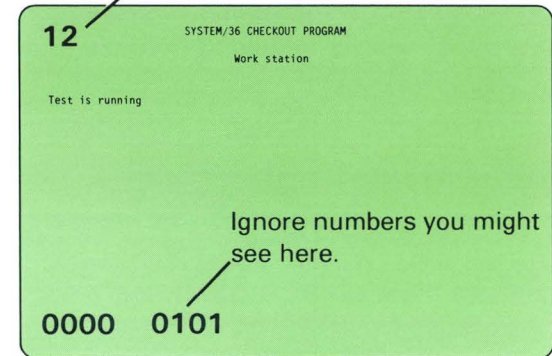
The computer displays a system reference code to tell you something about the operation of the computer. The reference code can appear at the bottom of the screen on the system console or on the computer output display.

Instructions for responding to a system reference code are explained in **8.1**.

### System Reference Code on the Computer Output Display



Display 12  
Identification Number



The system reference code displayed at the system console always appears in the lowest leftmost position of the display screen.



Section 8.C 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 **5.1** .

## THE 3262 POWER INDICATOR OR READY LIGHT IS NOT ON

**8.D**

**Cause:** One of the following conditions exists:

- The Ready key on the 3262 Printer was not pressed.
- The Unit Emergency switch is not set to Power Enable.
- The printer power cord is not plugged in.
- There is no power to the electrical outlet.

**Action:**

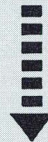
1. Check the above causes.
2. Did the Power and Ready indicators come on?

YES



**5.4**

NO



**3. (on this page)**

3. Set the Power switch on the 3262 Printer to Off. Return to **5.4**.

Call your hardware service representative after you have completed the system checkout procedure.

The 3262 Printer is now excluded from the checkout.

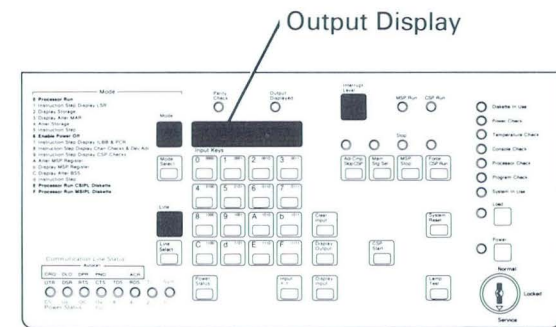


## DISPLAY 01 (DEVICE SELECTION MENU) DOES NOT APPEAR

### 8.E

**Cause:** One of the following conditions exists:

- A system reference code is displayed on the computer output display. If so, go to **8.I**.
- The Power switch on the system console (a display station) is set to O (Off).
- The display station keylock is in the Off position.
- There is no electrical power at the outlet (where the system console is plugged in).
- The power cord on the system console is not plugged into an electrical outlet.
- The address assigned to the system console is an address other than 0.
- The cable between port 0 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
- If the system console is a Personal Computer, the Personal Computer does not have the Display Station Emulation Adapter or the Enhanced Display Station Emulation Adapter installed.
- If the system console is a Personal Computer, the Personal Computer does not have the 5250 Emulation Program or Enhanced 5250 Emulation Program loaded and online.



The system console is the display station connected to port 0 on the computer.

**Note:** The 3180 Model 2, 5551 System Unit, and display stations with one socket do not have Terminator switches.

▶ Section 8.E Continued



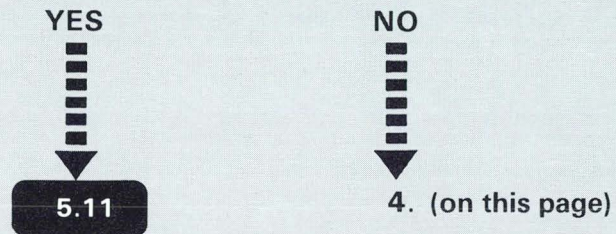


**Action:**

1. Check the previous causes and then try the system checkout procedure again ( **5.5** through **5.9** ).
2. If you cannot get the Device Selection menu to appear on the system console, exchange the system console with another display station and try the system checkout procedure again ( **5.5** through **5.9** ).

Be sure to set the address switches to 0 and the Terminator switch to 1 (if the display station has these switches).

3. Did the Device Selection menu appear on the new system console?



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



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## WORK STATION ADDRESSES AND PORT NUMBERS DO NOT MATCH

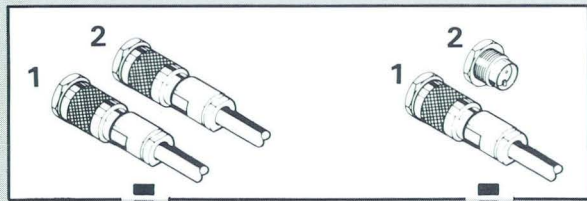
### 8.F

Do the following for each device that is not shown on display 11:

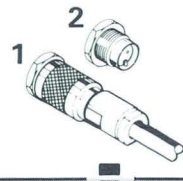
1. Make sure the Power switch on each display station and printer is set to the I (On) position.
2. Make sure the keylock is turned to the On position (see the setup manual for that device).
3. Check the work station address switches to make sure they match the Local Work Station Diagram. If any two work stations on the same port have the same address, neither work station is shown on display 11.



4. Check the Terminator switches.
- a. For all display stations and printers except the Personal Computer:

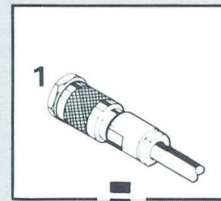


If two cables are connected, set the Terminator switch to 2.



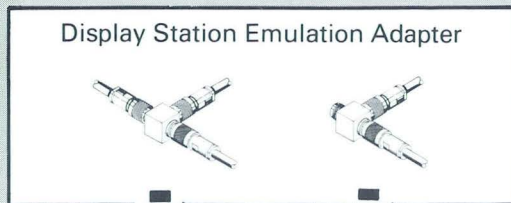
If one cable is connected, set the Terminator switch to 1.

or



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

- b. For the Personal Computer:

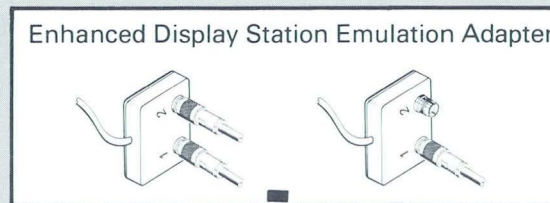


If two cables are connected, make sure switches 4 and 5 of the 6-position switch assembly are set to the Off position.



If one cable is connected, make sure switches 4 and 5 of the 6-position switch assembly are set to the On position; or, that a Terminator is attached and switches 4 and 5 of the 6-position switch assembly are set to the Off position.

or



The Enhanced Display Station Emulation Adapter has automatic termination built in. Go to Step 5 in this section.

■■■■■■▶ Section 8.F Continued



5. Check both the cable ends (make sure the cables are connected to the correct sockets and that the connection is tight).
6. After you make the above checks, go back to **5.5** and start again.

When you complete step 5, and if you still cannot get display 11 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. Continue the system checkout ( **5.13** ).
- c. Call your hardware service representative after you complete the system checkout.

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



## DISPLAYED OR PRINTED ADDRESS OR PORT NUMBER IS INCORRECT OR MISSING

### 8.G

Do the following steps:

1. Check the work station address switch setting as explained in *Section 4: Connecting the Cables to Your Display Stations and Printers*.
2. Make sure that the cables are connected to the correct ports and sockets.
3. Press the keys in the following sequence to reload the checkout program:



Display 01 appears on the system console.

4. Select option 1 and press the Enter/Rec Adv key.
5. Go to each display station and printer and make sure that the displayed or printed address is correct.
6. Did you find the correct address displayed or printed at each device?

YES



5.16

NO



7. (next page)

If you have a 4214 Model 2, 5219, 5224, 5225, 5256, or 5262 Model 1 Printer attached to your computer, make sure the printers are prepared for system checkout (see **8.J**).

Section 8.G Continued



7. Record the address and port number of the failing display station or printer: \_\_\_\_\_ (write the address and port number here).
8. After you complete system checkout, call your hardware service representative and report the failing device.
9. Go to **5.16** .







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

7. Do you have another display station to check?

YES



5.14

NO



5.16



## SYSTEM REFERENCE CODES

To find the system reference code, scan the code column. When you find the code, perform the action to recover from the cause.

8.1

### 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 field position was not a null character.

**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.

■■■■■▶ *Section 8.1 Continued*





0019

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

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

5030

**Cause:** An error occurred somewhere within the computer communications circuits.

- Action:**
1. Check the wrap connector again (if one is connected).
  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 the same system reference code is displayed again, record the error message, select option 0, and press the Enter/Rec Adv key.
  5. Return to **5.36**.

When you complete this section, call your hardware service representative and report the problem.



*Section 8.1 Continued*





5099

**Cause:** The checkout diskette was removed or incorrectly inserted.

- Action:**
1. Do **2.12** through **2.13** or **2.14** through **2.15**, depending on the diskette drive type.
  2. If you get the same system reference code again, call your hardware service representative and report the problem.

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. Select option 1 and 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.



*Section 8.1 Continued*





2. Select option 0 and press the Enter/Rec Adv key.
3. After you complete system checkout, call your hardware service representative and report the port number and address of the failing display system.

5200

**Cause:** The printer has an unrecoverable error.

- Action:**
1. Record the system reference code and printer address.
  2. Select option 0 and press the Enter/Rec Adv key.
  3. After you complete system checkout, call your hardware service representative and report the system reference code and printer address.
  4. Return to **5.16**.

5210

**Cause:** The printer has a Machine Check.

- Action:**
1. Go to the printer operator's manual and perform the Machine Check recovery.
  2. Select option 1 and press the Enter/Rec Adv key at the system console to try again.

 *Section 8.1 Continued*





5226

**Cause:** The printer has a Graphic Check.

- Action:**
1. Go to the printer operator's manual and perform the Graphic Check recovery.
  2. Select option 1 and press the Enter/Rec Adv key at the system console to try again.

5230

**Cause:** The printer has a Print Check.

- Action:**
1. Go to the printer operator's manual and perform the Print Check recovery.
  2. Select option 1 and press the Enter/Rec Adv key at the system console to try again.

5240

**Cause:** The printer has a Forms Check.

- Action:**
1. Go to the printer operator's manual and perform the Forms Check recovery.
  2. Select option 1 and press the Enter/Rec Adv key at the system console to try again.



*Section 8.1 Continued*





5247

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

- Action:**
1. Go to the printer operator's manual and perform the Paper Jam recovery.
  2. Select option 1 and press the Enter/Rec Adv key at the system console to try again.

5250

**Cause:** The printer is out of forms.

- Action:**
1. Go to the printer operator's manual and perform the Out Of Forms recovery.
  2. Select option 1 and press the Enter/Rec Adv key at the system console to try again.

5251

**Cause:** The work station printer is not ready.

- Action:**
1. Press the Stop key, then the Start key on the printer.
  2. Select option 1 and press the Enter/Rec Adv key at the system console to try again.

 *Section 8.1 Continued*





3. If the 5251 system reference code is displayed again, record the port number and address of the failing printer.
4. Select option 0 and press the Enter/Rec Adv key at the system console to bypass the problem.
5. Call your hardware service representative after you complete system checkout.

5288

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

- Action:**
1. Go to the printer operator's manual and respond to the ribbon jam.
  2. Select option 1 and press the Enter/Rec Adv key at the system console to try again.

 *Section 8.1 Continued*





5B4F

**Cause:** 8809 Tape Drive 'n' has a cable connection problem.

- Action:**
1. Check to see that the 8809 Tape Drive(s) is powered on.
  2. Check the cable connections. (See the 8809 setup manual).

Also review **3.12** through **3.14** in this manual.

3. Select option 1 and press the Enter/Rec Adv key to try the operation again.

If the same code appears again, do the following:

- Select option 0 and press the Enter/Rec Adv key to bypass the error condition.
- Turn off the failing 8809 Tape Drive. The tape drive is now excluded from system checkout.
- Return to the Device Selection Menu by pressing the Sys Req/Attn key; when display 01 appears, select the appropriate option.
- After you complete system checkout, call your hardware service representative and report the 8809 Tape Drive problem.

 *Section 8.1 Continued*





### 5B7C

**Cause:** 8809 Tape Drive 'n' is not ready.

- Action:**
1. Make the tape drive ready. (See the 8809 setup manual.)
  2. Select option 1 and press the Enter/Rec Adv key to try the operation again.

If the same code appears again, do the following:

- Select option 0 and press the Enter/Rec Adv key to bypass the error condition.
- Turn off the failing 8809 Tape Drive. The tape drive is now excluded from system checkout.
- Return to the Device Selection menu by pressing the Sys Req/Attn key; when display 01 appears, select the appropriate option.
- After you complete system checkout, call your hardware service representative and report the 8809 Tape Drive problem.

### 5BA6

**Cause:** 8809 Tape Drive 'n' File Protect Ring is not installed.

- Action:**
1. Install a File Protect Ring. (See the 8809 operator's guide.)

 *Section 8.1 Continued*





2. Select option 1 and press the Enter/Rec Adv key to try the operation again.

If the same code appears again, do the following:

- Select option 0 and press the Enter/Rec Adv key to bypass the error condition.
- Turn off the failing 8809 Tape Drive. The tape drive is now excluded from system checkout.
- Return to the Device Selection menu by pressing the Sys Req/Attn key; when display 01 appears, select the appropriate option.
- After you complete system checkout, call your hardware service representative and report the 8809 Tape Drive problem.

5BCE

**Cause:** 8809 Tape Drive 'n' has an unrecoverable error.

- Action:**
1. Select option 0 and press the Enter/Rec Adv key to bypass the error condition.
  2. Turn off the failing 8809 Tape Drive. The tape drive is now excluded from system checkout.

**Note:** If you have two tape drives, turn them both off.

 *Section 8.1 Continued*





3. Return to the Device Selection menu by pressing the Sys Req/Attn key; when display 01 appears, select the appropriate option.
4. After you complete system checkout, call your hardware service representative and report the 8809 Tape Drive problem.

5BD3

**Cause:** 8809 Tape Drive 'n' has a tape problem.

- Action:**
1. Try another tape. (See the 8809 setup manual.)
  2. Select option 1 and press the Enter/Rec Adv key to try the operation again.

If the same code appears again, do the following:

- Select option 0 and press the Enter/Rec Adv key to bypass the error condition.
- Turn off the failing 8809 Tape Drive. The tape drive is now excluded from system checkout.
- Return to the Device Selection menu by pressing the Sys Req/Attn key; when display 01 appears, select the appropriate option.
- After you complete system checkout, call your hardware service representative and report the 8809 Tape Drive problem.

 *Section 8.1 Continued*





5BFF

**Cause:** 8809 Tape Drive '1' is not installed.

- Action:**
1. Check the 8809 setup manual to make sure you have set up the tape drive correctly and make sure of the following:
    - The tape drive is powered on.
    - The cable connections are correct.
  2. Select option 0 and press the Enter/Rec Adv key. When display 01 appears, select the 8809 Tape option to try the operation again.
    - Select option 0 and press the Enter/Rec Adv key to bypass the error condition. When display 01 appears, select the appropriate option.
    - Turn off the failing 8809 Tape Drive. The tape drive is now excluded from system checkout.
    - After you complete system checkout, call your hardware service representative and report the 8809 Tape Drive problem.

 *Section 8.1 Continued*





## 5CCE

**Cause:** The Device Checkout Selection menu (display 01) 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 work station cable; it should be securely connected to socket 1 on the system console and port 0 on the computer.
  4. Check the correct switch setting on the system console.
  5. 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.



*Section 8.1 Continued*





5E43

**Cause:** The 3262 Printer has a forms jam.

- Action:**
1. Press the Stop/Reset key on the 3262 Printer to turn off the printer.
  2. Go to the printer operator's manual and respond to the forms jam.
  3. Press the Ready key on the 3262 Printer.
  4. Select option 1 and press the Enter/Rec Adv key again at the system console.



*Section 8.1 Continued*





5E50

**Cause:** The 3262 Printer is out of forms.

**Action:** This message means that the printer ran out of forms before it completed a page of ripple print.

1. Insert additional forms (see the *3262 Printer Operator's Manual*).
2. Press the Stop/Reset key.
3. Press the Ready key to continue printing.
4. Select option 1 and press the Enter/Rec Adv key again at the system console.

5E51

**Cause:** The 3262 Printer is not ready.

- Action:**
1. Press the Ready key on the 3262 Printer.
  2. Select option 1 and press the Enter/Rec Adv key at the system console.



*Section 8.1 Continued*





5E53

**Cause:** The 3262 Printer cover is open or the belt cover is not in place.

**Action:** Ensure that the print cover is closed and the belt cover is properly in place. If the check indicator is on:

1. Press the Stop/Reset key on the 3262 Printer.
2. Press the Ready key on the 3262 Printer to continue system checkout.
3. Select option 1 and press the Enter/Rec Adv key at the system console to try again.

If any one of the above errors continues to occur, call your hardware service representative and tell him the system reference code.

Return to **5.22** .

5280

**Cause:** The 3262 Printer has a cable connection problem.

- Action:**
1. Set the printer Unit Emergency switch to the Power Off position.
  2. Be sure that the three printer cable connectors are in the correct sockets and are securely attached. (See Section 4 of this manual.)
  3. Set the printer Unit Emergency switch to the Power Enable position.

 *Section 8.1 Continued*





4. Press the printer Stop/Reset key.
5. Press the printer Ready key to continue system checkout.
6. Select option 1 and press the Enter/Rec Adv key at the system console.

5E83

**Cause:** The 3262 Printer is not turned on.

- Action:**
1. Be sure that the 3262 Printer is plugged in and that power is available at the outlet.
  2. If the Unit Emergency switch on the printer is in the Power Off position, set it to the Power Enable position.
  3. If the Unit Emergency switch is set to Power Enable, do the following:
    - a. Set the 3262 Unit Emergency Printer switch to Power Off, wait 5 seconds, and then reset it to the Power Enable position.
    - b. Press the 3262 Printer Stop/Reset key to reset the check condition.
    - c. Press the Ready key on the 3262 Printer.
    - d. Select option 1 and press the Enter/Rec Adv key at the system console to try again.



*Section 8.1 Continued*



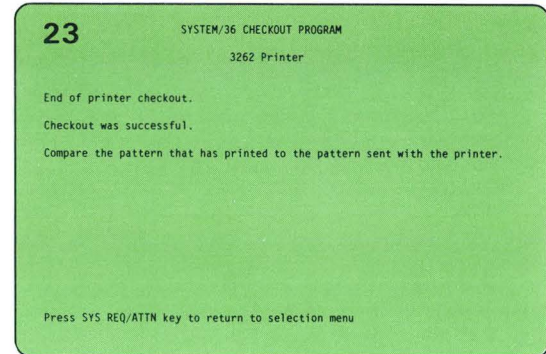


4. If the second try is successful, display 23 appears after the printing is done. Return to **5.21** . If the second try is not successful, see the additional information explaining display 23.

5ECE

**Cause:** The 3262 Printer has an unrecoverable error.

- Action:**
1. Select option 0 and press the Enter/Rec Adv key to bypass the test.
  2. After you complete the system checkout, call your hardware service representative and tell him the system reference code.
  3. Return to **5.2** .



If you get the system reference code again, do the following:

1. Select option 0 and press the Enter/Rec Adv key.
2. Record the system reference code and call your hardware service representative after you complete the system checkout.
3. Return to **5.22** .



## PREPARING THE PRINTERS FOR SYSTEM CHECKOUT

**Preparing a Printer for System Checkout Means that You Should:**

1. Insert forms or paper into the printer and connect the appropriate forms attachment(s), if any.
2. Turn on the printer.
3. Check the printer for any displayed error codes.

You might have one or more than one of the following printers to prepare for system checkout.

The printers to prepare for system checkout are listed as follows:

Printer	Page
4214 Printer Model 2	176
5219 Printer	178
5224 Printer	181
5225 Printer	183
5256 Printer	184
5262 Printer Model 1	186
5553 Printer <sup>1</sup>	

If you have trouble preparing a printer, go to the *Problem Determination Procedure* in the setup manual for that device.

■■■■■▶ *Section 8.J Continued*

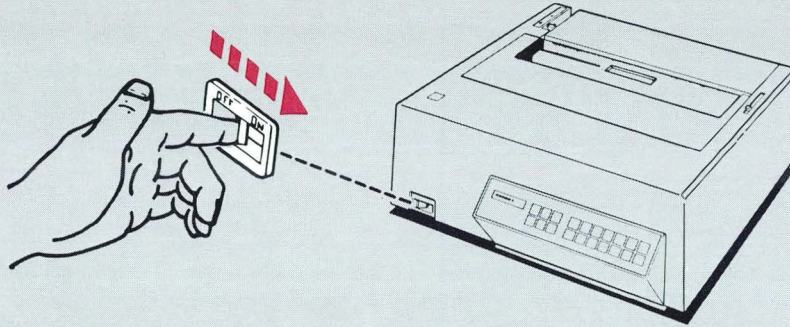
<sup>1</sup>The 5553 Printer is set up and prepared for system checkout according to the 5550 *System Setup Instructions* manual.



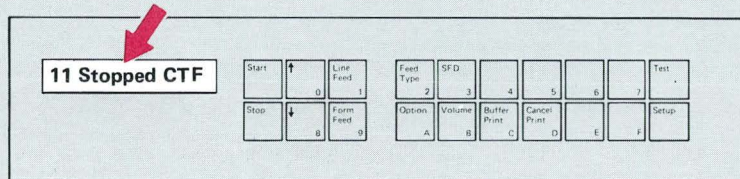


### Preparing the IBM 4214 Printer Model 2 for System Checkout:

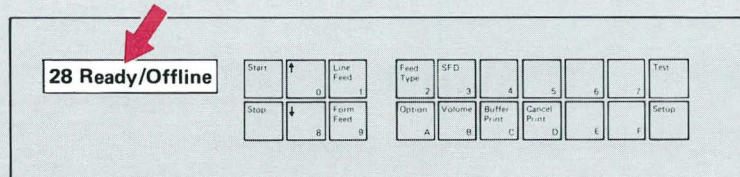
1. Set the Power switch on the 4214 Printer Model 2 to the I (On) position.



2. The following display appears on the operator panel of the 4214 Printer Model 2 after about 10 seconds:



3. Press the Start key. The following display appears on the operator panel of the 4214 Printer Model 2:



The 4214 Printer Model 2 is ready for system checkout.



*Section 8.J Continued*

Be sure the 4214 Printer Model 2 is set up.





4. Do you have another 4214 Model 2, 5219, 5224, 5225, 5256, or 5262 Printer to prepare for system checkout?

YES



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

NO



5.3

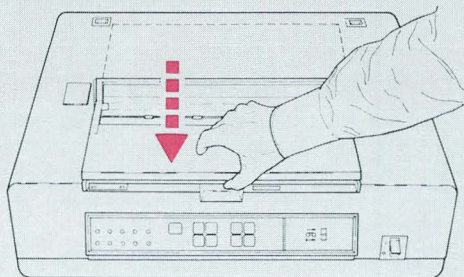


*Section 8.J Continued*

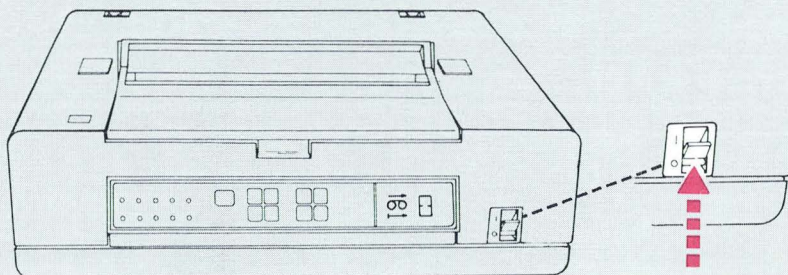


### Preparing the IBM 5219 Printer for System Checkout:

1. Make sure the printer cover is closed.



2. Turn the 5219 Printer on by setting the Power switch to the I (On) position.



Be sure the IBM 5219 Printer is set up.

The 5219 Printer system checkout can be done with the automatic sheet feed or tractor feed attached, or no attachments. If you have the automatic sheet feed or tractor feed attached, make sure you have paper loaded into the printer according to the steps described in the 5219 Setup Guide. When you start system checkout, the system may prompt you for paper even if you already loaded paper in the printer (the Load Paper light comes on and a message stating the 5219 Printer is out of forms is displayed at the system console). In this case, press the Start key on the 5219 Printer and ignore the out-of-forms message displayed at the system console.

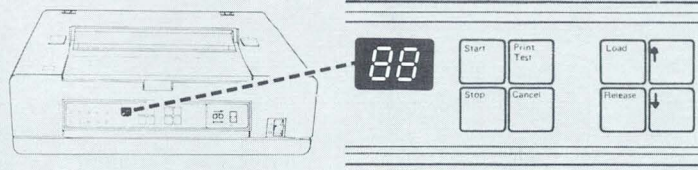


*Section 8.J Continued*






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.



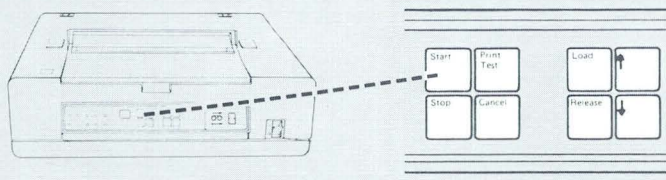
If you see a number other than **88**, go to the codes listed in the setup manual for the 5219 Printer. If you cannot correct the problem using the 5219 Setup Guide, turn the printer off and call your hardware service representative after you complete system checkout.

3. Has paper been inserted into the printer?

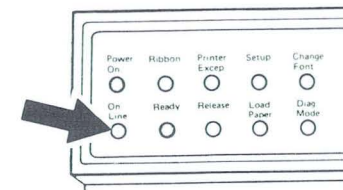
**YES**  
  
**4.**

**NO**  
  
**6. (next page)**

4. Press the Start key.



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 8.J Continued**





5. Do you have another 4214 Model 2, 5219, 5224, 5225, 5256, or 5262 Model 1 Printer to prepare for system checkout?

YES



NO

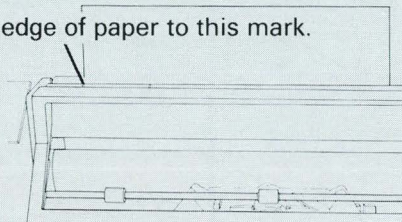


5.3

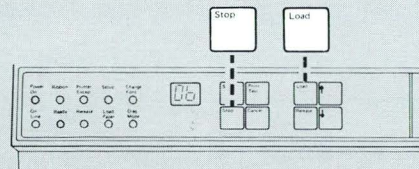
Go to the next printer and prepare it for system checkout.

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

Align left edge of paper to this mark.



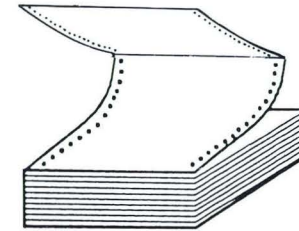
- Press the Stop key and then the Load key. (If you have an automatic sheet feed, press only the Start key, not the Stop key and the Load key.) The paper will automatically feed into the printer.



Your printer is ready for system checkout.

- Go to step 4 in this procedure.

Continuous-Cut Forms



See the 5219 Setup Guide for the procedure on loading paper if you have an automatic sheet feed or tractor feed.



Section 8.J Continued

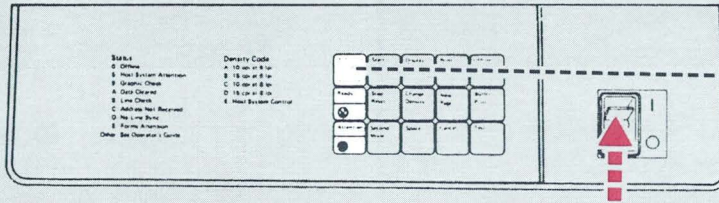




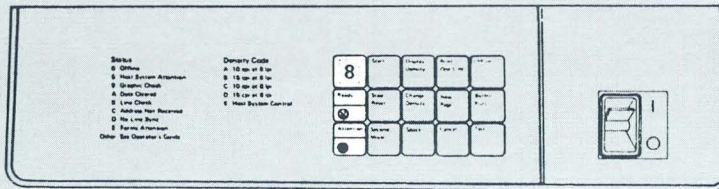
### Preparing the IBM 5224 Printer for System Checkout:

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

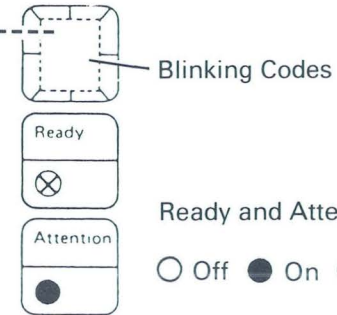
The Attention light turns on, several display codes blink on and off, and then the Ready light blinks.



After 1 minute, the Ready light stops blinking and the display shows a code other than 8, or no code (blank). The Attention light remains on.



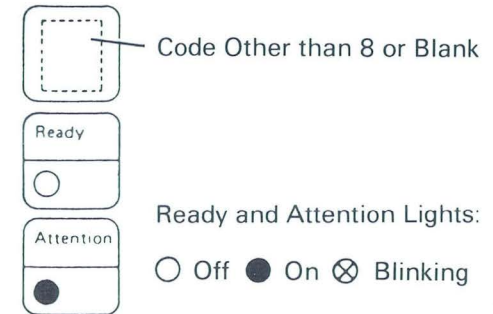
Be sure the IBM 5224 Printer is set up and paper inserted.



Blinking Codes

Ready and Attention Lights:

○ Off ● On ⊗ Blinking



Code Other than 8 or Blank

Ready and Attention Lights:

○ Off ● On ⊗ Blinking

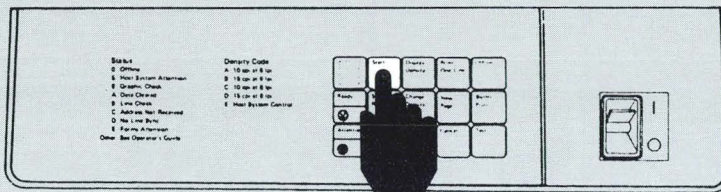


Section 8.J Continued





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 4214 Model 2, 5219, 5224, 5225, 5256, or 5262 Model 1 Printer to prepare for system checkout?

YES

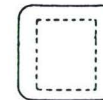


Go to the next printer and prepare it for system checkout.

NO



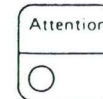
5.3



Blank (no code)



Ready



Attention

Ready and Attention Lights:

○ Off ● On ⊗ Blinking



Section 8.J Continued





### Preparing the IBM 5225 Printer for System Checkout:

1. Set the Power switch on the 5225 Printer to the O (Off) position.
2. Set the Mode switch to the On Line position.
3. Set the Power switch to the I (On) position.

Wait for the 5225 Attention light to come on; then, several characters are displayed on the 5225 operator panel for a short time. When the power-on test is complete, the 5225 Attention light 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 light. Your printer is ready for system checkout.

5. Do you have another 4214 Model 2, 5219, 5224, 5225, 5256, or 5262 Model 1 Printer to prepare for system checkout?

YES



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

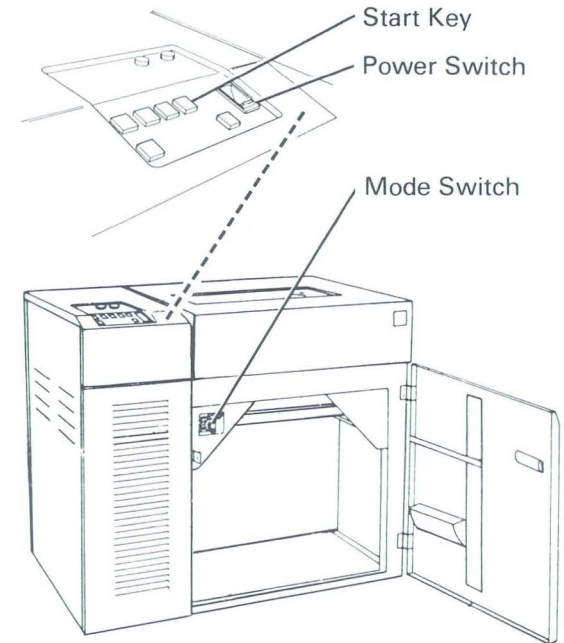
NO



5.3

Be sure the 5225 Printer is set up.

The Mode switch is inside the front cover.



If a problem occurs, refer to *Solving Printer Problems* in the *IBM 5225 Printer Operator's Guide*.



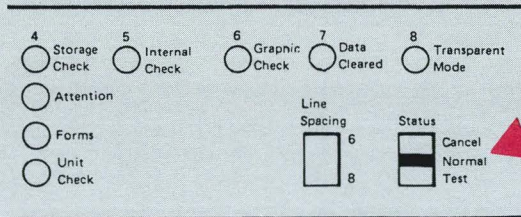
Section 8.J Continued



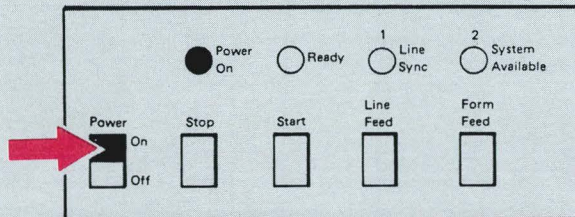


### Preparing the IBM 5256 Printer for System Checkout:

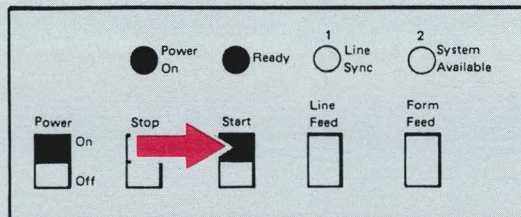
1. Make sure the status switch is set to Normal.



2. Make sure the Power switch is set to On.



3. Press Start.



The Ready light also turns on now and the print head moves into position to start printing. Your printer is ready for system checkout.

Be sure the 5256 Printer is set up.



Section 8.J Continued





4. Do you have another 4214 Model 2, 5219, 5224, 5225, 5256, or 5262 Model 1 Printer to prepare for system checkout?

YES



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

NO



5.3

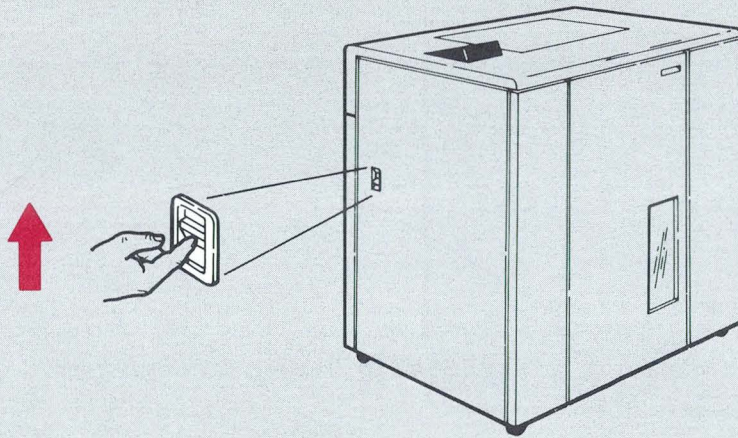


*Section 8.J Continued*

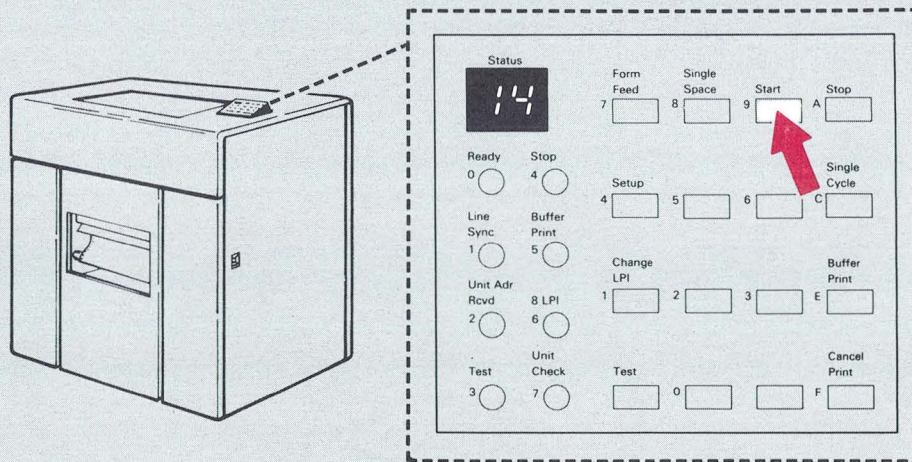


### Preparing the IBM 5262 Printer Model 1 for System Checkout:

1. Set the Power switch on the 5262 Printer Model 1 to the 1 (On) position.



2. Press the Start key.

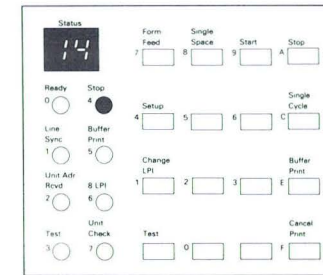


The 5262 Printer Model 1 is ready for system checkout.



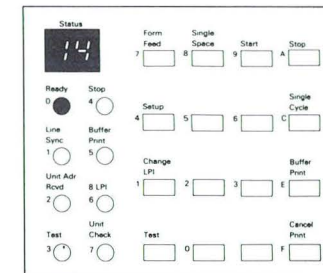
Be sure the 5262 Printer Model 1 is set up.

When you power on the 5262 Printer Model 1, the printer goes through some diagnostic tests. After about 30 seconds, the 5262 Printer Model 1 completes the diagnostic tests. Then the Stop light comes on and a status code of 14 is displayed as shown in the following example:



**Note:** The status code 14 means you have not yet configured the System/36 for a 5262 Printer Model 1.

After you press the Start key, the Ready light comes on as shown in the following example:







- 3. The 5262 Printer Model 1 is ready for system checkout.
- 4. Do you have another 4214 Model 2, 5219, 5224, 5225, 5256, or 5262 Model 1 Printer to prepare for system checkout?

YES



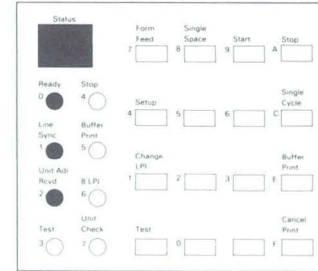
NO



5.3

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

After you configure the System/36 to include a 5262 Printer Model 1, the Line Sync light, and the Unit Adr Rcvd light comes on whenever you press the Start key on the printer, and no status is displayed.







## Appendix A: Connecting the Personal Computer Cables to Your System/36

A

**A.1****Make sure of the following:**

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



A.2

Do one of the following:

If you have the  
Display Station  
Emulation  
Adapter



A.3

If you have the  
Enhanced Display  
Station Emulation  
Adapter

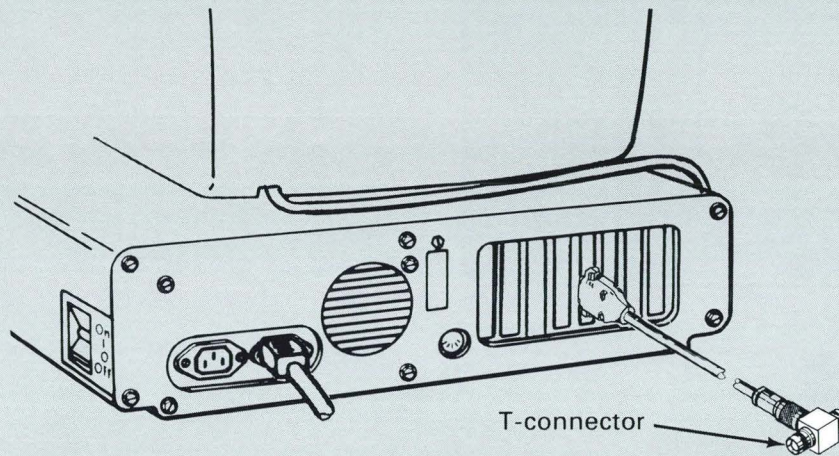


A.13

A

**A.3**

**Find the T-connector that is attached to the Personal Computer.**



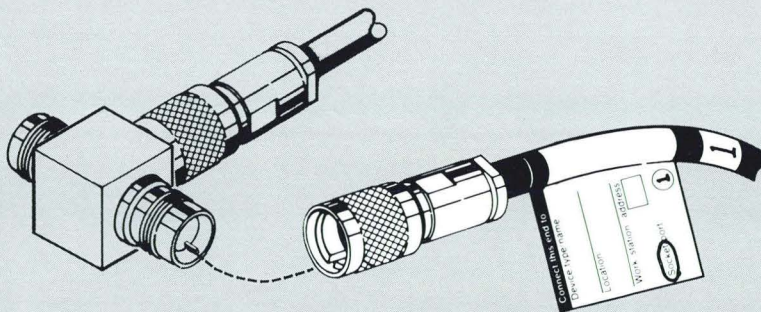
The T-connector (Part 6851167, Amphenol Part 82-5677) is where you will connect the cable.

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

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

**A.4**

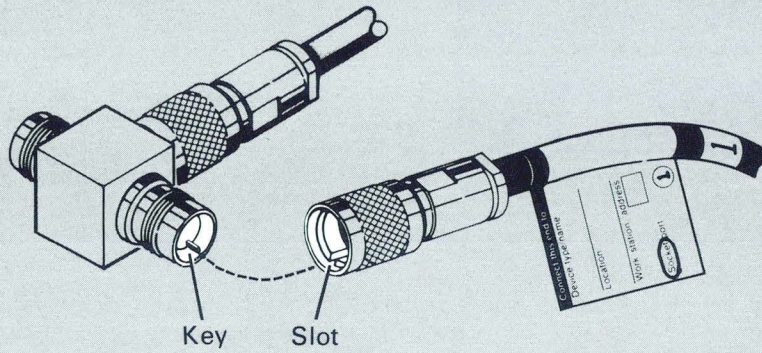
**Find the cable that will connect to the T-connector.**





A.5

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

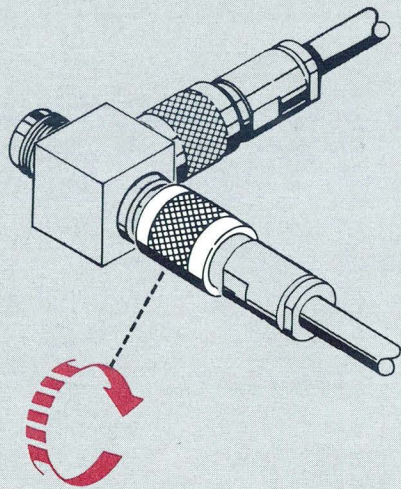


You can attach the cable to either side of the T-connector.

A

A.6

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



**A.7**

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

YES



**A.8**

NO



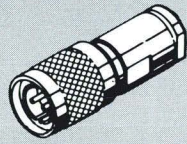
**A.9**





**A.9**

Do you have a terminator?



YES



**A.10**

NO



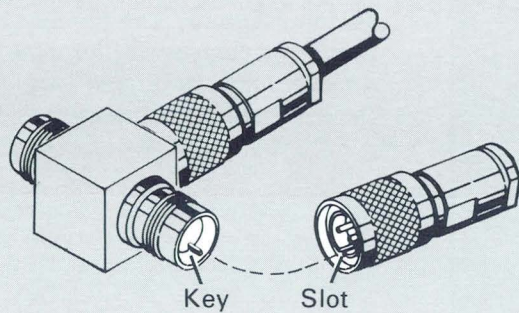
**A.11**

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

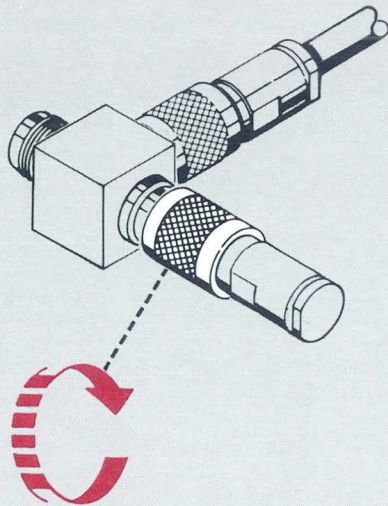


**A.10****Attach the terminator:**

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



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



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

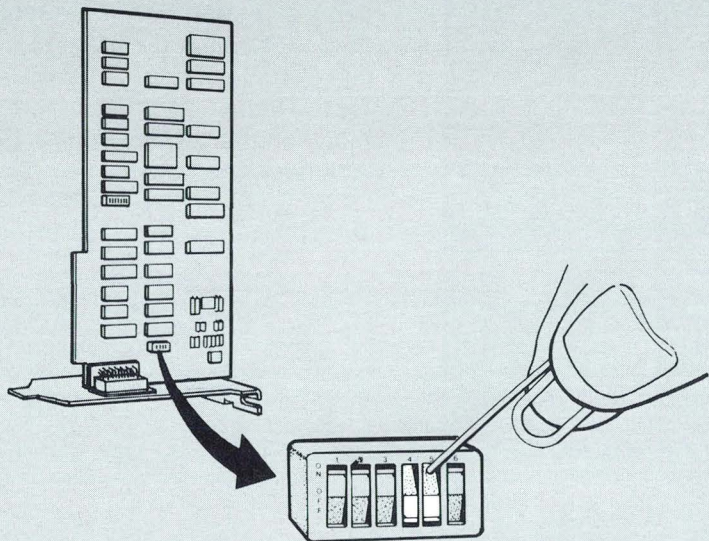
**Note:** Switches 4 and 5 were set when you installed the Display Station Emulation Adapter.

**A**



**A.11**

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



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

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

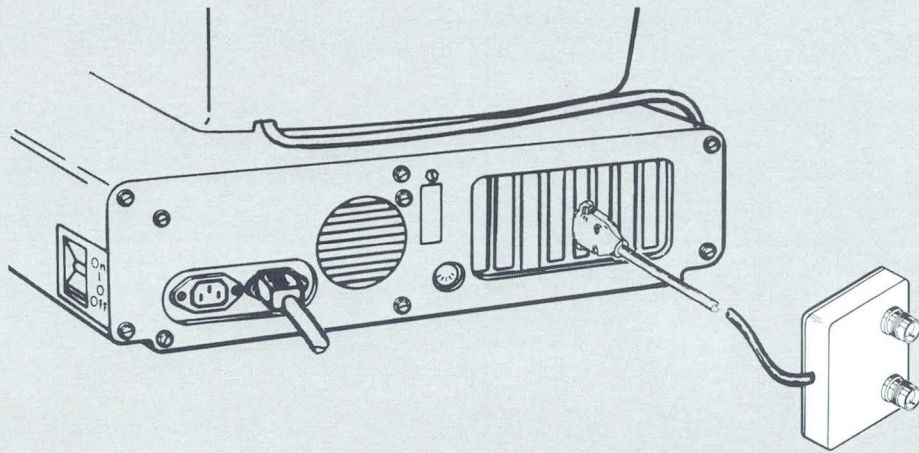
**A.12**

Go to **A.18** .



A.13

Find the integrated attachment cable that is attached to the Personal Computer.



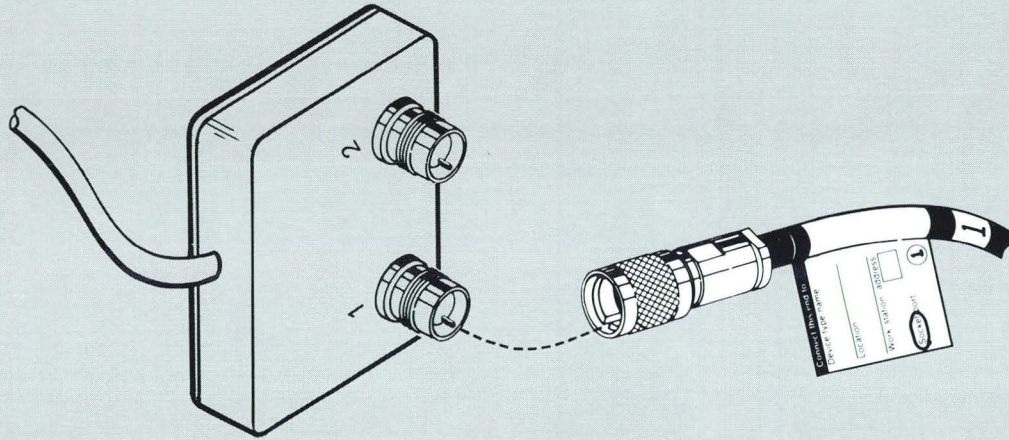
The integrated attachment cable (Part 6403635) is where you will connect the cable.

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

A

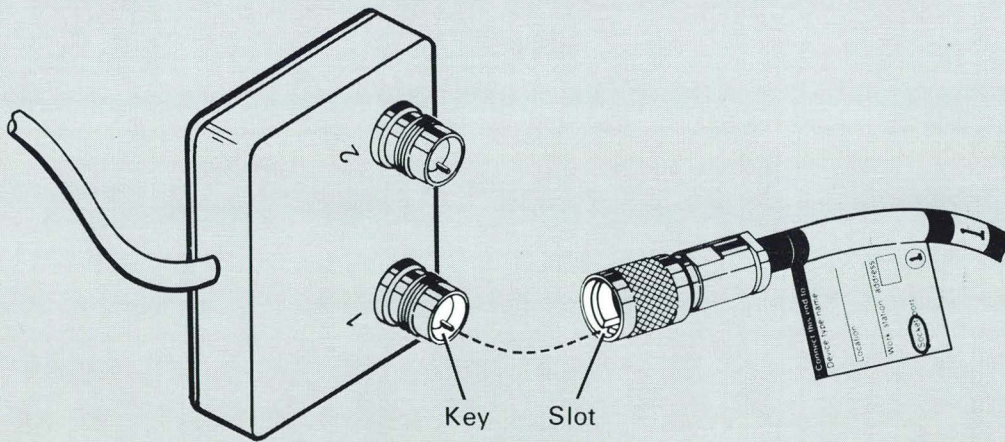
A.14

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



A.15

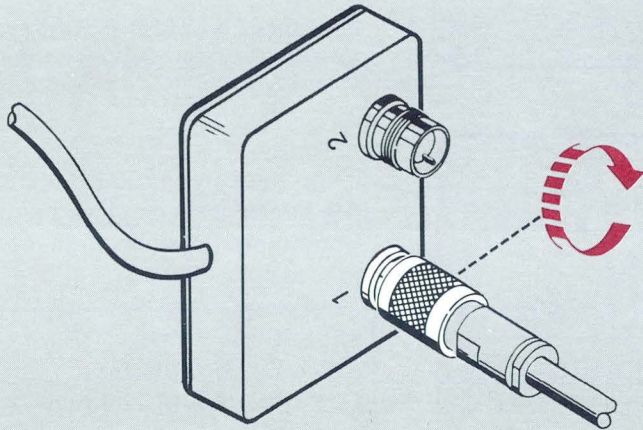
Align the widest slot in the cable to the key in socket 1.





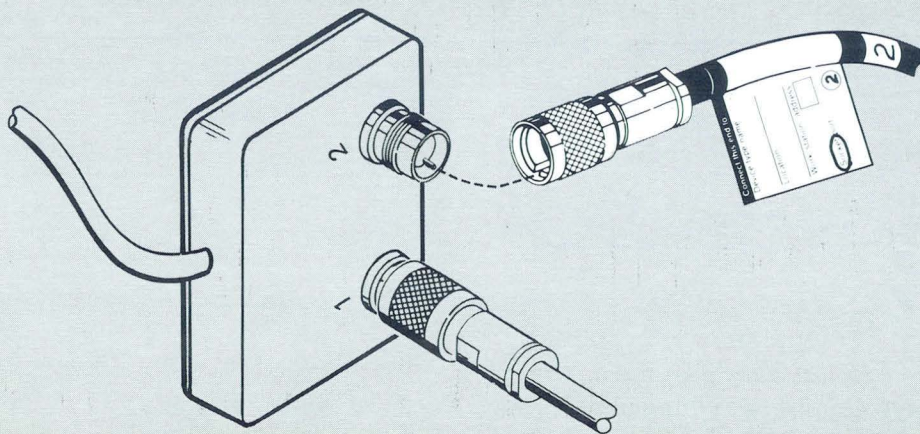
**A.16**

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



**A.17**

If you have a second cable to attach to the integrated attachment cable, connect it to socket 2. If not, go to **A.18**.



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

**A**



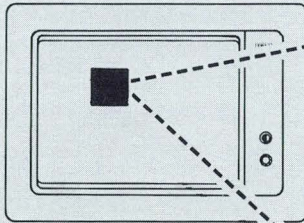
**A.18**

Load the 5250 Emulation Program; then return to **A.19** in this manual.

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

**A.19**

Is the following information similar to that displayed on the Personal Computer?



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

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

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

PRESS ENTER TO START

YES



**A.20**

NO



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



**A.20**

Do you have another Personal Computer to connect to your computer?

YES



**A.1**

NO



**A.21**

**A.21**

Have you connected all of the display stations and printers?

YES



*Section 5: Checking  
Out Your System*

NO



**4.1**

**A**

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





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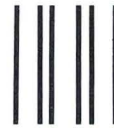
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