Installing Your New Features 5362

System/36

Technical Newsletter

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Previous Newsletters None

Installing Your New Features 5362

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This technical newsletter applies to Release 1, Modification Level 0, of IBM System/36 Installing Your New Features and provides replacement pages for the subject publication. These replacement pages remain in effect for subsequent releases unless specifically altered. Pages to be inserted and/or removed are:

15, 16
16.1, 16.2 (added)
19, 20
20.1, 20.2 (added)
95 through 98

Changes to text and illustrations are indicated by a vertical line at the left of the change.

Summary of Amendments

Technical changes.

Note: Please file this cover letter at the back of the manual to provide a record of changes.

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Y N Is the table of contents helpful?
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Y N Are the chapter titles and other headings meaningful?
What would make them more meaningful?

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What would improve the organization?

Y N Does the manual refer you to the appropriate places for more information?
List specific references that are wrong or missing.

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Y N Is the purpose of this manual clear?
What would make it clearer?

Y N Is the information explained clearly?
Which topics are unclear?

Y N Are the examples clear?
Which examples are unclear?

Y N Are examples provided where they are needed?
Where should examples be added or deleted?

Y N Are terms defined clearly?
Which terms are unclear?

Y N Are terms used consistently?
Which terms are inconsistent?

Y N Are abbreviations and acronyms understandable?
Which ones are not understandable?

Y N Are the illustrations clear?
Which ones are unclear?

USING INFORMATION

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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?
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What would make them more useful?

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What would make the format more effective?

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

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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?

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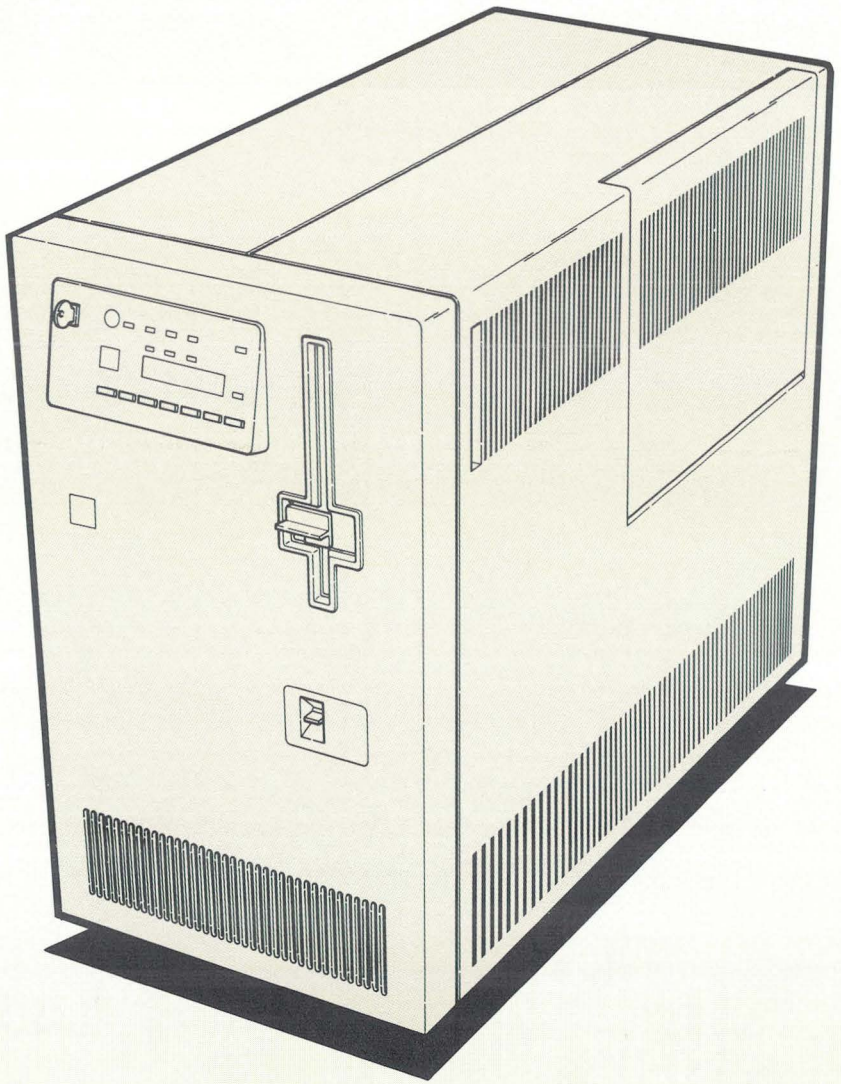

IBM System/36

Installing Your New Features

File Number
S36-00

Order Number
SA21-9486-0

First Edition (April 1984)

Changes are periodically made to the information herein; any such changes will be reported in new editions of this publication.

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About This Manual

Who should use this manual . . .

This manual contains the step-by-step procedures needed by the person responsible for both installing and checking out features on the System/36. These steps enable the user to install features and then to test operations. No tools or special skills are required.

How this manual is arranged . . .

Sections 1 through 4 present the steps required to install and test each new feature. Section 5 contains information for operating the configure - customize program. And Section 6 contains information for problem determination.

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 install new features on the System/36. When you have completed the installation of your feature for your system, read *Performing the First System Configuration for Your System,* SC21-9022 or *Changing Your System Configuration,* SC21-9052.

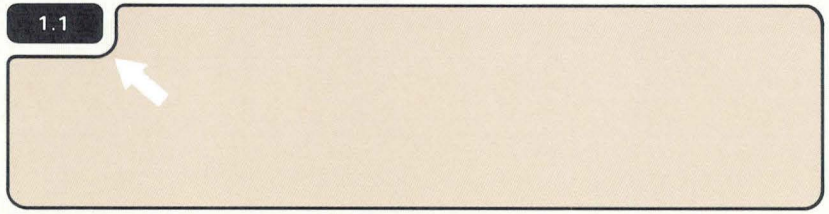
If you need more information . . .

If you need more information about installing features see *What To Do Before Your Computer Arrives,* SBOF-4778.

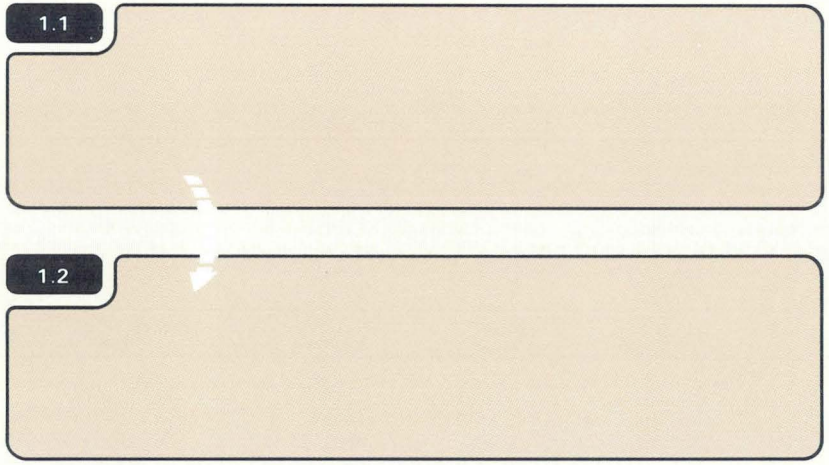
If you need information about system reference codes, see *System Messages,* SC21-7938.

How to Use This Manual

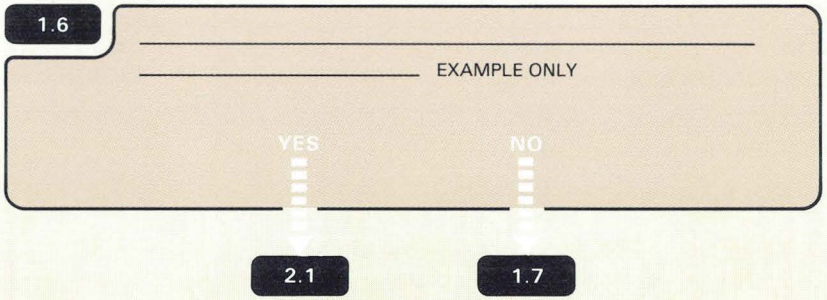
Each step that you perform is identified with two numbers. The first number identifies the section and the second number identifies the step within that section.



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

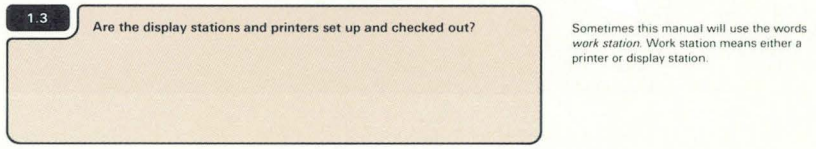


Some steps will ask you questions. Depending on how you answer the question, you might not always go to the next step.



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



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.

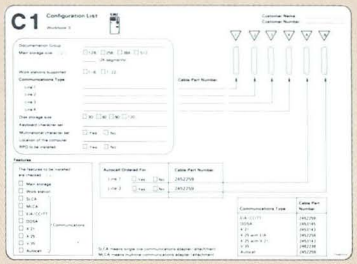
A small hand like is used to show location and a pressing action.

Note: To avoid problems during feature installation, 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.

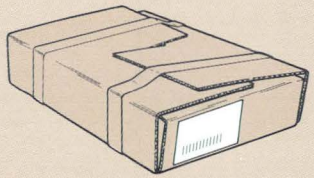
1.1

Make sure you have the following items before beginning.

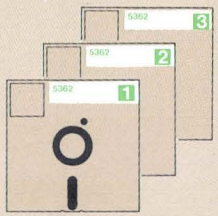
- **Form C1**



- **Feature box(es)**



- **Diskettes 1, 2, and 3**



If any of the above items are missing, check around the computer and with the people using the computer before calling your IBM Marketing representative.

Form C1 should have been completed using Task 3.5 in workbook 3, *Planning to Set Up Your Computer.* SA21-9476. Form C1 tells you which feature(s) you have to install.

CAUTION:

Feature cards can be damaged if dropped or stepped on.

CAUTION:

The feature card is sensitive to static electricity and can be damaged if the humidity is below 40%.

You will be using three diskettes.

Notes:

1. If you are setting up your computer for the first time and if you are adding a feature, use diskettes 1, 2, and 3 that come with the computer.
2. If you are upgrading your computer by adding a feature only, use diskettes 1, 2, and 3 that come from the Programming Information Department (PID). PID is an IBM group responsible for distributing diskettes with each release. Always use the latest level of diskettes from PID.

1.2

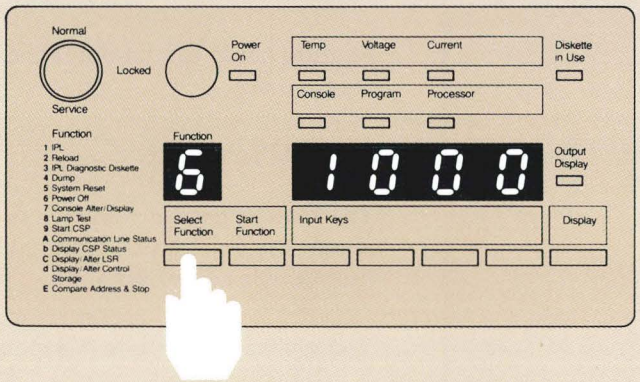
If you are installing the feature on an operating System/36, check with the system operator to make sure that all jobs have been completed before turning off the computer.

An operating System/36 is a system that is set up and is processing data for your business.

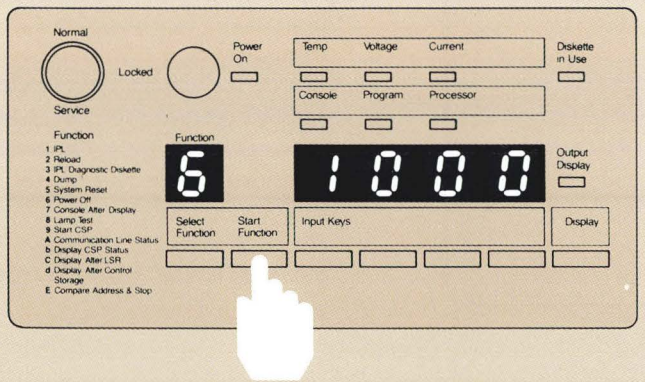
1.3

Turn off the computer.

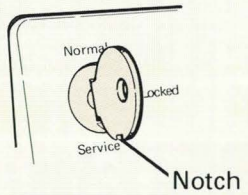
a. Press the Select Function key until 6 appears.



b. Press the Start Function key.



Make sure the security lock is in the Service position. If the security lock is not in the Service position, turn it to the Service position, as shown in 2.7 . The security lock is in the Service position when the triangle ▽ and the notch in the key are pointing toward the Service position.



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

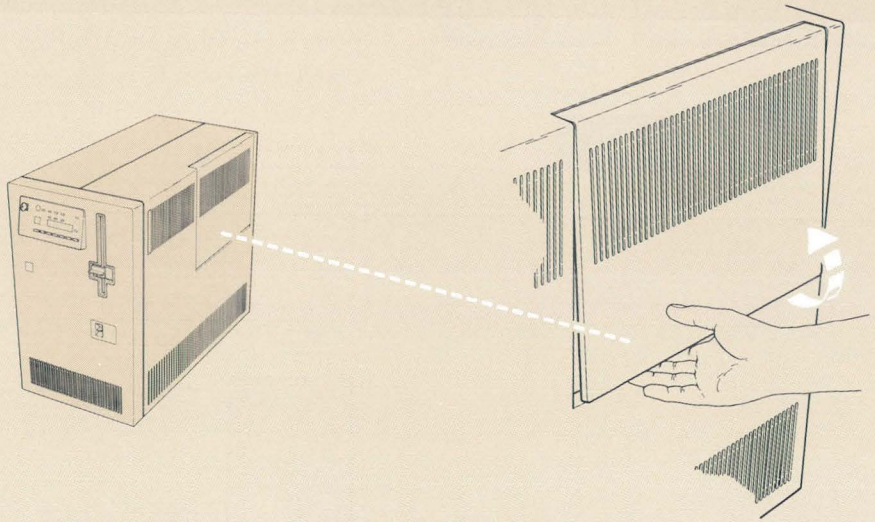
Note: Letters b and d are displayed in lower case, as shown:

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

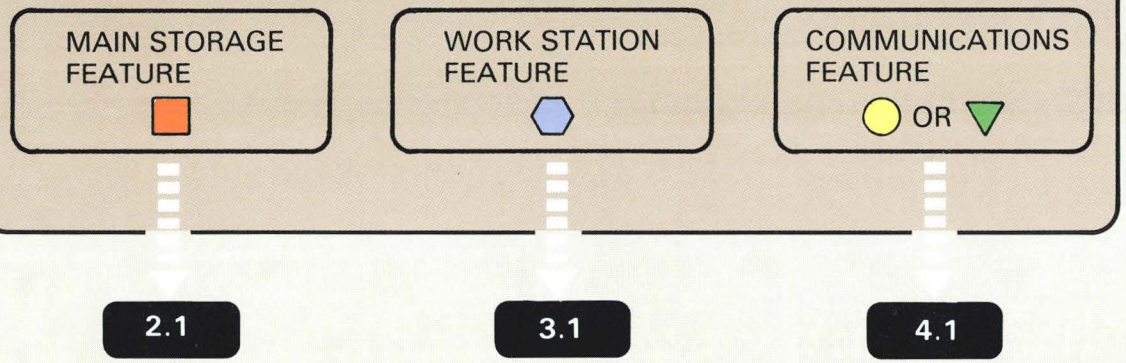
The 6 will flash to indicate that the computer is turning off.

1.4 Make sure the system console is turned on.

1.5 Open the customer access cover.

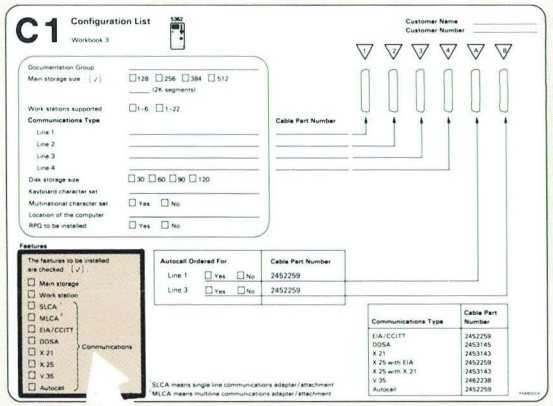


1.6 **Select a feature installation path.**



Each feature will be installed one at a time. If you have more than one feature to install, begin from left to right. For example, if you are installing the Work Station feature only, go to **3.1** and begin.

If you are unsure about which feature to install, see Form C1.


C1 Configuration List

Workbook 3

Customer Name

Customer Number

Documentation Group

Main storage size (✓) ☐128 ☐256 ☐384 ☐512

(2K segments)

Work stations supported ☐1-6 ☐1-22

Communications Type

Line 1

Line 2

Line 3

Line 4

Cable Part Number

Disk storage size ☐30 ☐60 ☐90 ☐120

Keyboard character set

Multinational character set ☐Yes ☐No

Location of the computer

RPG to be installed ☐Yes ☐No

Features

The features to be installed are checked (✓)

☐ Main storage

☐ Work station

☐ SLCA

☐ MLCA*

☐ EIA/CCITT

☐ DDSA

☐ X.21

☐ X.25

☐ V.35

☐ Autocall

Communications

Autocall Ordered For:

Line 1 ☐Yes ☐No 2452259

Line 3 ☐Yes ☐No 2452259

Communications Type	Cable Part Number
EIA/CCITT	2452259
DDSA	2453145
X.21	2453143
X.25 with EIA	2452259
X.25 with X.21	2453143
V.35	2462238
Autocall	2452259

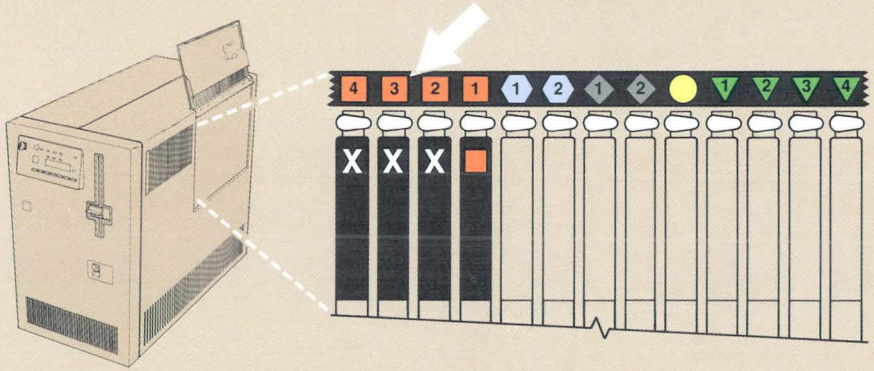
SLCA means single line communications adapter/attachment

*MLCA means multiline communications adapter/attachment

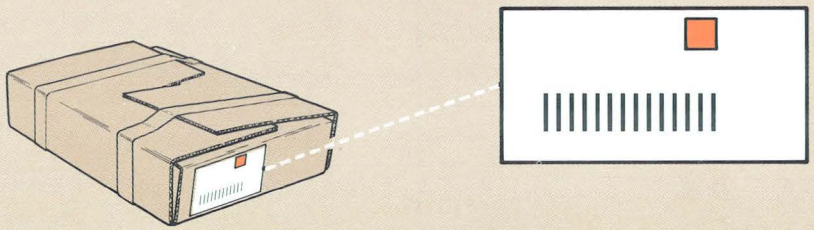
2.1

Read the following points about the Main Storage feature:

- The Main Storage feature area on the computer is identified with orange numbers (4 through 1).

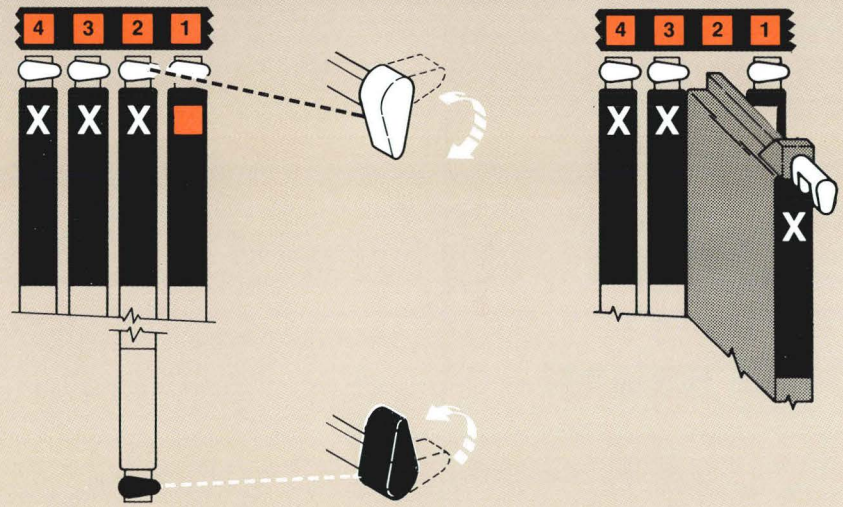


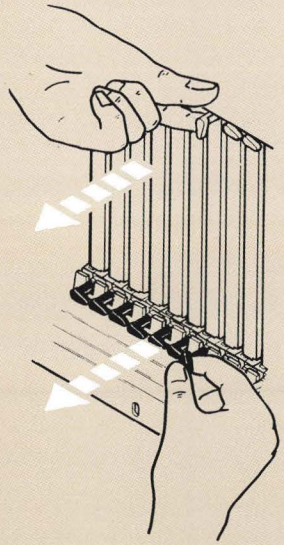
- You might have from one to three Main Storage feature cards to install.
- Each card adds 128 K bytes of storage to your computer.
- Each card comes in a separate box. You can identify the card by the orange label printed on the box.



2.2

Remove the X card next to the orange card already there.





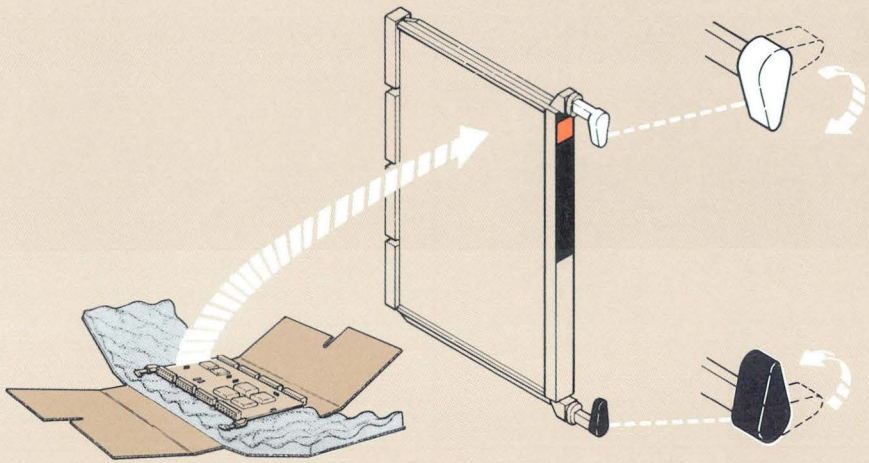
IMPORTANT: Always remove a card as shown.

The X card (that is next to the orange card) might be in slots 2, 3, or 4.

The X card is a blank card that might be removed to make room for the feature card. The X card can be thrown away.

2.3

Remove an orange ■ card from its box and turn the knobs as shown.

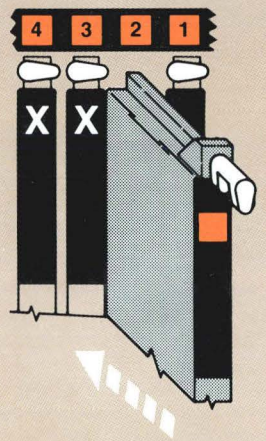


CAUTION:

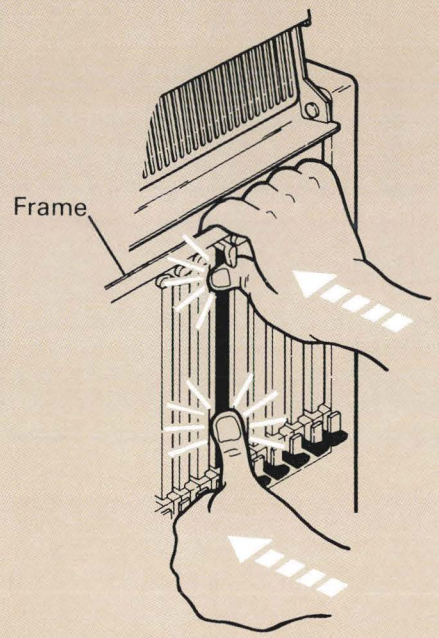
Do not touch any metal part on the card to prevent possible damage to the card. Handle the card only by the plastic edges.

2.4

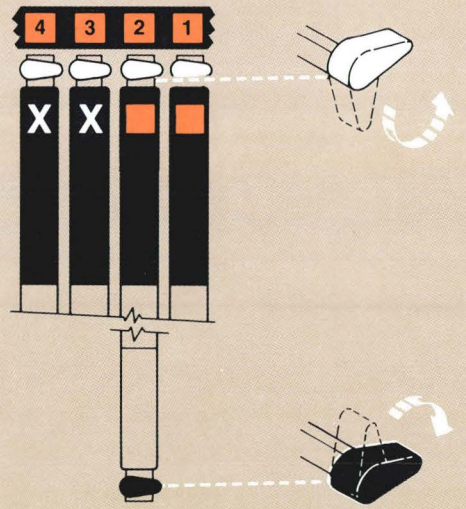
1. **Insert the orange card ■.**



2. **Grasp the frame, as shown, and press hard until you hear the card snap in place.**



3. **Turn the knobs as shown.**



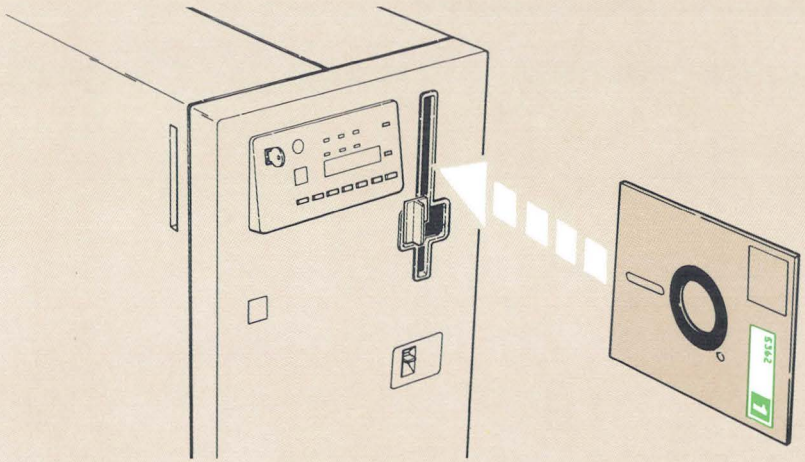
The feature card will not snap into place unless you press hard. The card will not break.

2.5 Do you have another Main Storage feature card ☐ to install?

YES → **2.2**

NO → **2.6**

2.6 Insert diskette 1 with the green label positioned as shown.



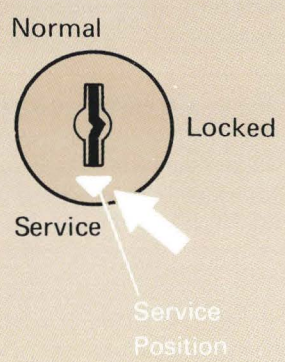
CHECKING THE FEATURE CARD(S)

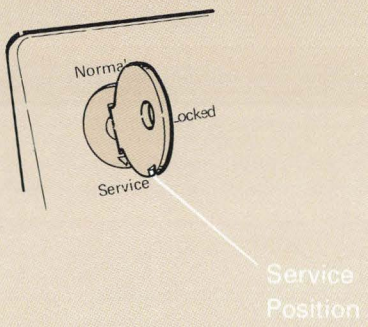
Notes:

1. If you are setting up your computer for the first time and if you are adding a feature, use diskettes 1, 2, and 3 that come with the computer.
2. If you are upgrading your computer by adding a feature only, use diskettes 1, 2, and 3 that come from the Programming Information Department (PID). Always use the latest level of diskettes from PID.

2.7

Make sure the Security key is in the Service position.

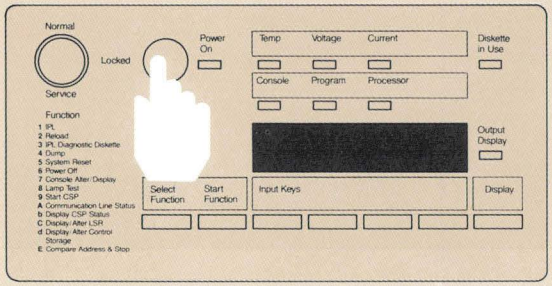




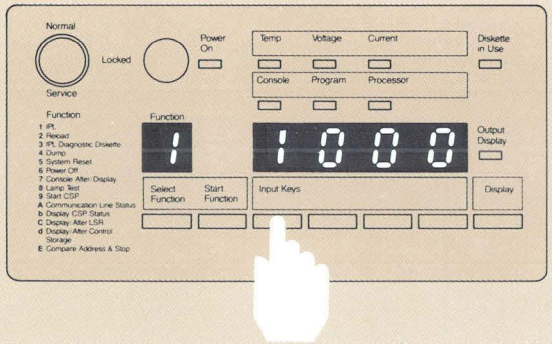
2.8

Turn on the computer.

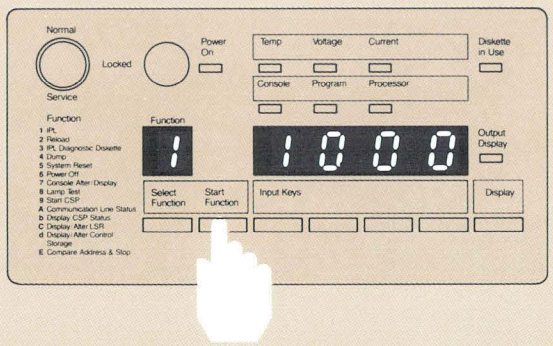
a. Press the Power key.



b. Enter 1000 by pressing the first Input key.



c. Press the Start Function key.



Wait five-minutes and then go to 2.9 .

The computer takes about five to nine minutes to check itself to make sure it is ready to operate.

1000 is a special code that the computer uses when the security key is in the Service position. The code, which means the computer is working, remains displayed during checkout or until a system reference code is displayed.

2.9

Go to the system console. Display 02 appears in about five to ten minutes.

```
02              SYSTEM/36 CONFIGURE-CUSTOMIZE PROGRAM

                        Configuration Verification


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

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

Option: _

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

EXAMPLE

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

Is display 02 displayed on the system console?

YES → 2.10

NO → 6.A

2.10

02

SYSTEM/36 CONFIGURE-CUSTOMIZE PROGRAM

Configuration Verification

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

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

Option: _

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

EXAMPLE

Do you see a message displayed here on display 02?

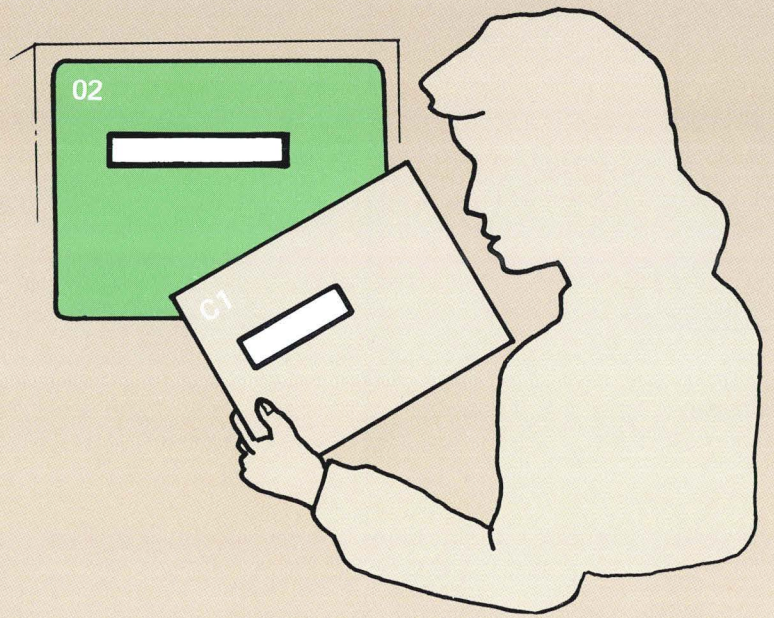
YES → 6.B

NO → 2.11

2

2.11

Compare the main storage size number on display 02 to the main storage size number recorded on Form C1.



02

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

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

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

Option: _

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

Do the main storage size numbers match?

YES → 2.12

NO → 6.C

2.12

```
02              SYSTEM/36 CONFIGURE-CUSTOMIZE PROGRAM

                        Configuration Verificatic

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

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

Option: _

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

EXAMPLE

Select option 1 on display 02 and press the

key. Display 03 appears.

2

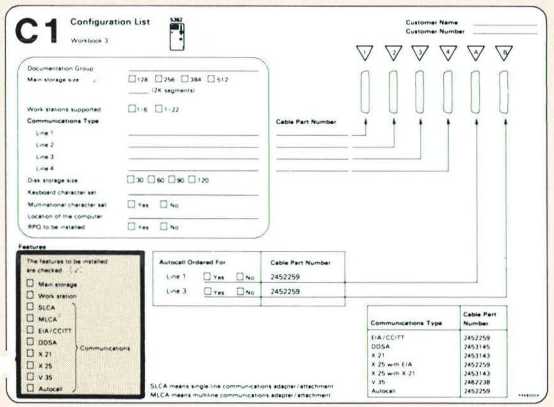
2.13

Do you have a Work Station ⬡ or Communications (◯ or ▽) feature to install?

YES → **2.14.A**

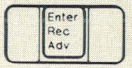
NO → **2.14**

Look on Form C1.



2.14

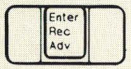
```
03              SYSTEM/36 CONFIGURE-CUSTOMIZE PROGRAM

                        Feature Installation

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

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




Option: _
```

Select option 2 on display 03 and press the 

key.
Display 17 appears. Go to 2.17 .

2.14.A

```
03                SYSTEM/36 CONFIGURE-CUSTOMIZE PROGRAM

                          Feature Installation


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

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




Option: _
```

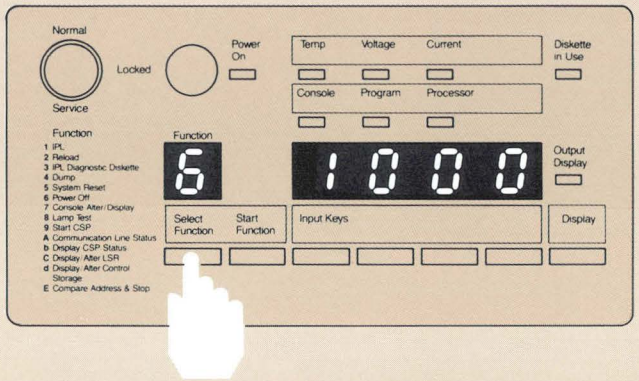
Select option 3 on display 03 and press the 

key.
Display 04 appears. Go to 2.15 .

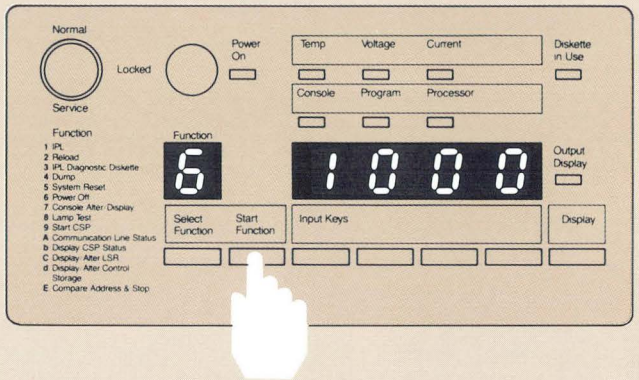
2.15

Turn off the computer.

a. Press the Select Function key until 6 appears.



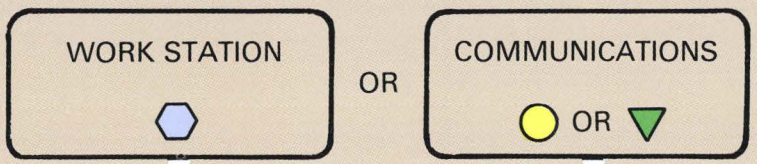
b. Press the Start Function key.



Leave the system console turned on.

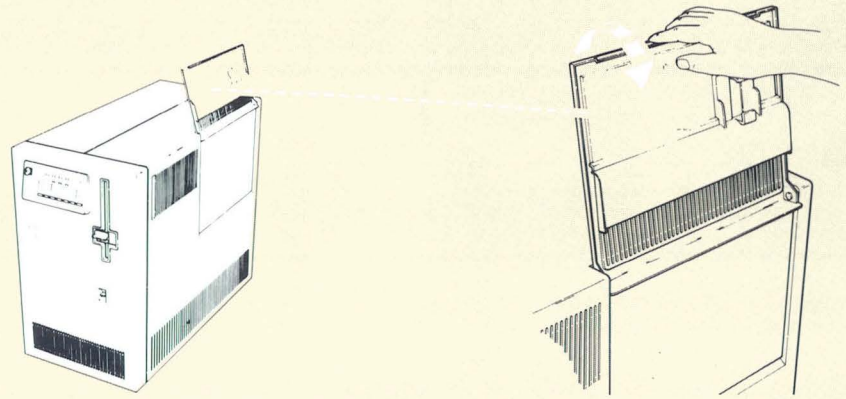
The 6 will flash to indicate that the computer is turning off.

2.16 **Go to the next feature to be installed using this manual.**



3.1 **4.1**

2.17 **Close the customer access cover.**



2.18 **Select the appropriate path.**

YOU ARE INSTALLING A FEATURE ONLY
This means you are installing a feature on a computer that has been set up and running for at least a week. Now you are installing the main storage feature only.

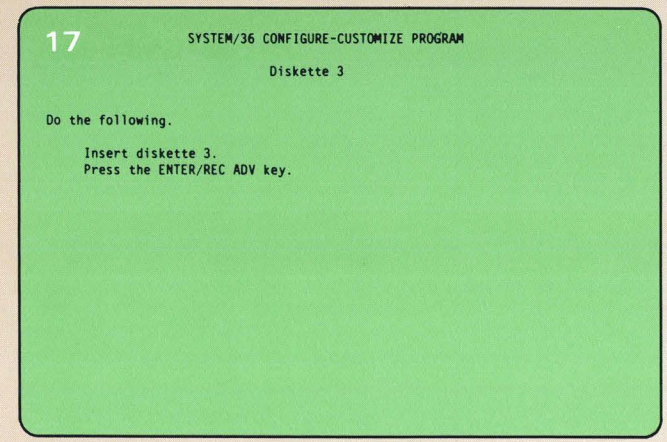
OR

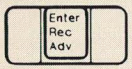
YOU ARE SETTING UP AND INSTALLING THE MAIN STORAGE FEATURE
This means you are both setting up the computer and installing a feature for the first time.

2.19

5.1

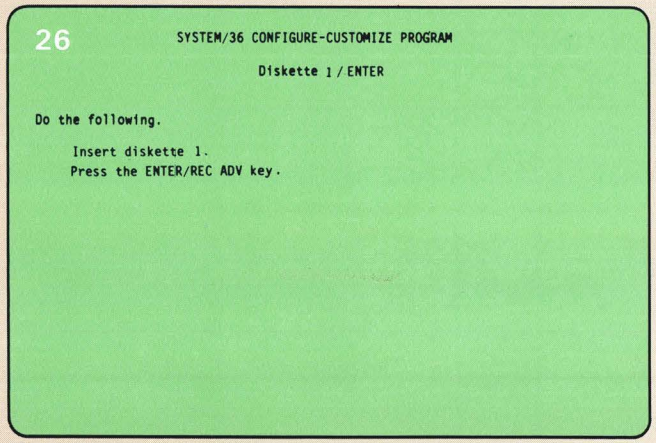
2.19

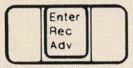


Insert diskette 3 and press the 

key. When the information loaded from diskette 3 is processed, display 26 appears.

2.19.A



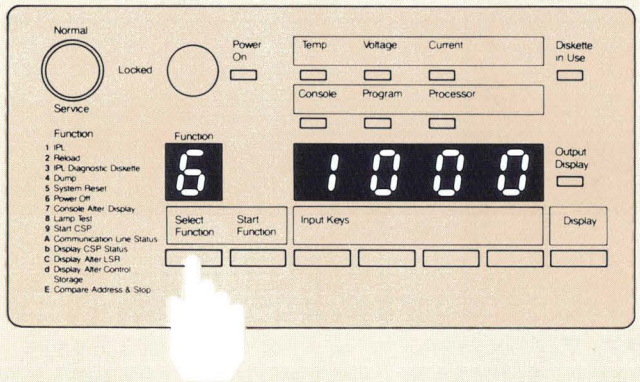
Insert diskette 1 and press the 

key. When the information loaded from diskette 1 is processed, display 51 appears.

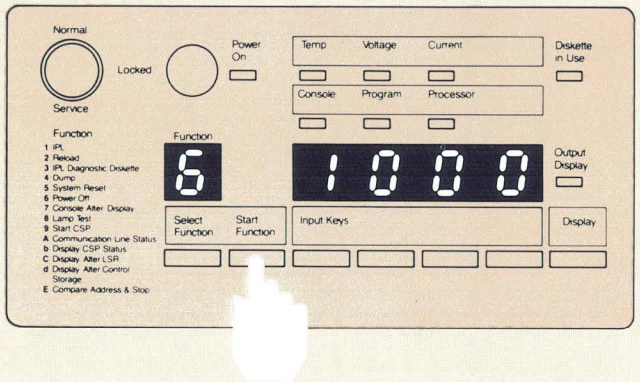
2.19.B

Turn off the computer.

a. Press the Select Function key until 6 appears.



b. Press the Start Function key.



Leave the system console turned on.

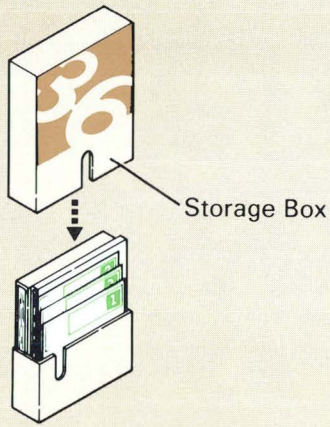
The 6 will flash to indicate that the computer is turning off.

2

2.19.C

You have completed feature installation. Do the following:

1. **Put this manual and the diskettes in the storage box, and keep it near the planning packet, *What To Do Before Your Computer Arrives,* SBOF-4778.**

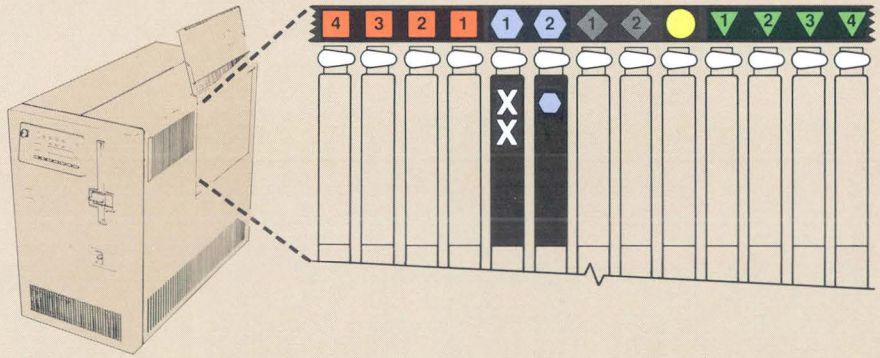


2. **Be sure to return form C1 to *Forms For Planning,* SA21-9446.**
3. **Resume normal system operation.**

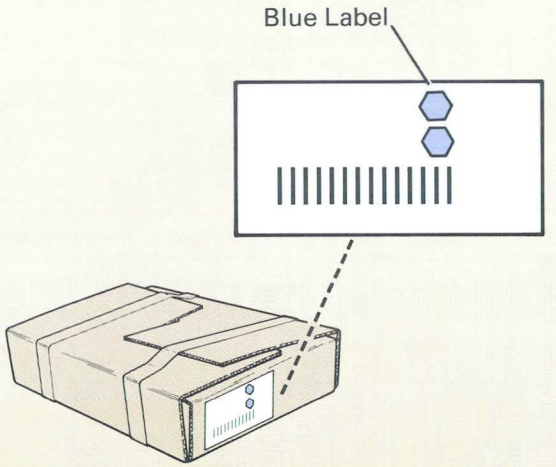
3.1

Read the following points about the Work Station feature.

- The Work Station feature area on the computer is identified with blue numbers (1 and 2).



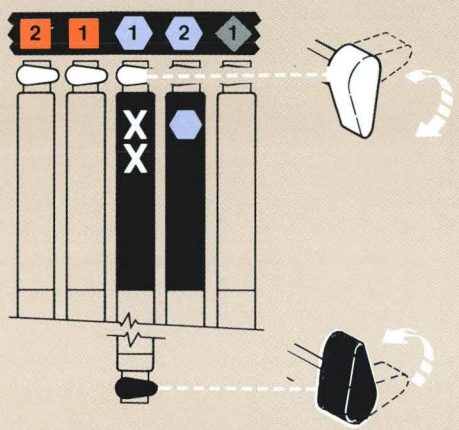
- You have only one feature card to install.
- The Work Station feature when installed will increase the number of work stations that can be attached to your computer, from 6 to 22.
- The Work Station feature card comes in a separate box. You can identify the card by the blue label printed on the box.

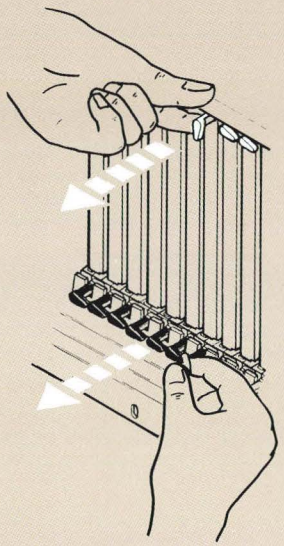


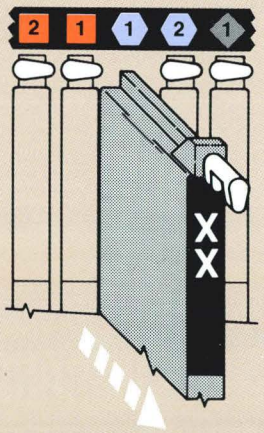
3.2

Remove the XX card.

IMPORTANT: Always remove a card as shown.





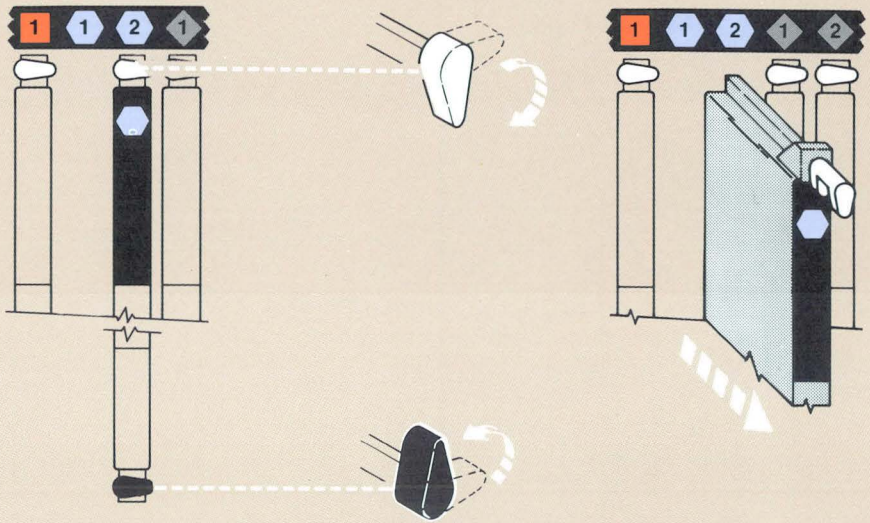


Keep the XX card.

The XX card must be removed to make room for the feature card that is now in slot 2. Do not throw away the XX card.

3.3

Remove the blue ⬡ card from slot 2 .



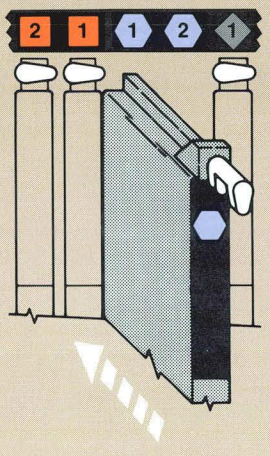
Be careful not to damage the Work Station feature ⬡ card.

You need to pull this ⬡ card harder when you remove it than when you remove a X card.

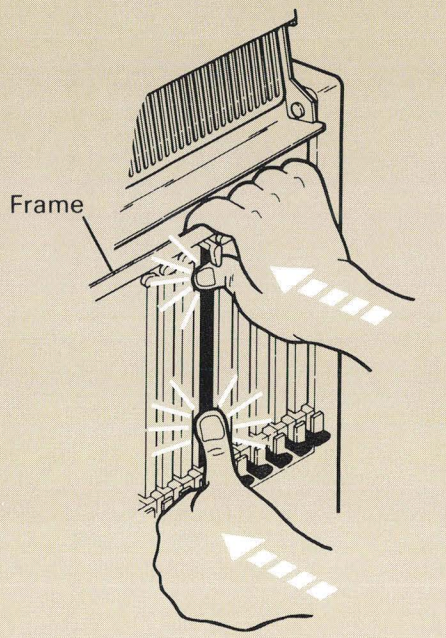
You will be inserting the ⬡ card in slot 1 in step 3.4 .

3.4

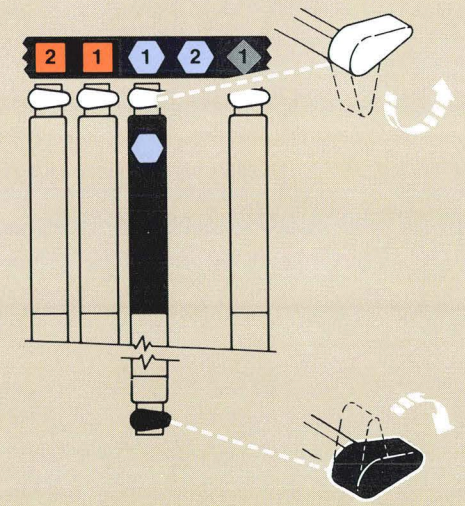
1. **Insert the same blue ⬢ card into slot 1.**



2. **Grasp the frame, as shown, and press hard until you hear the card snap in place.**



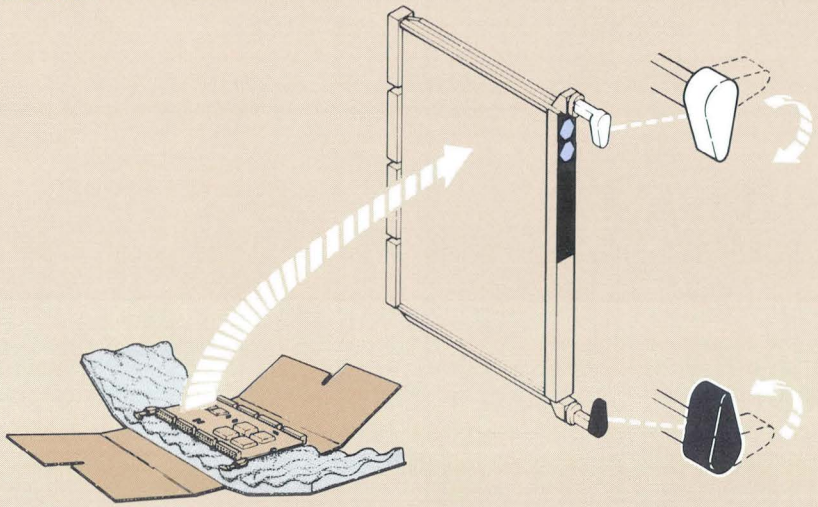
3. **Turn the knobs as shown.**



The feature card will not snap into place unless you press hard. The card will not break.

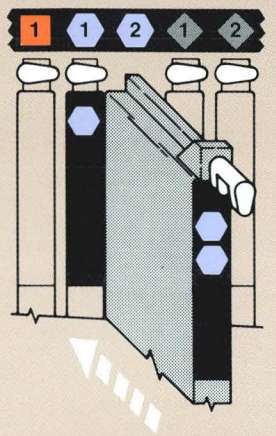
3.5

Remove the blue card from its box and turn the knobs as shown.

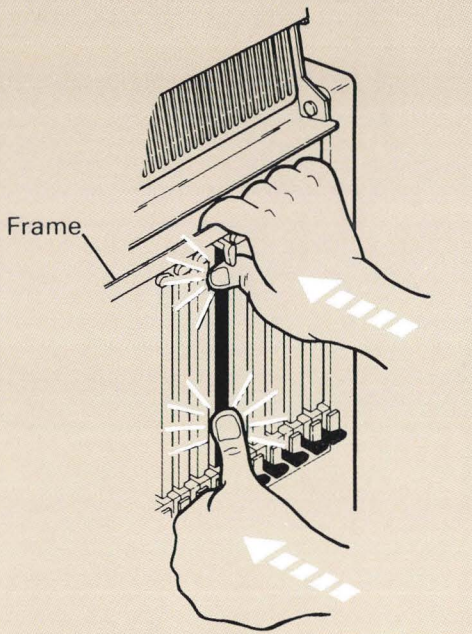


3.6

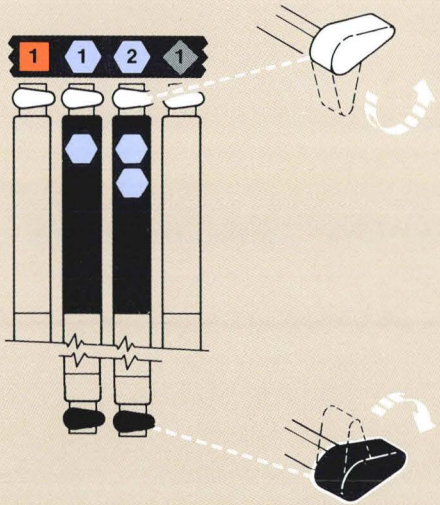
1. **Insert the blue card into slot 2.**



2. **Grasp the frame, as shown, and press hard until you hear the card snap in place.**



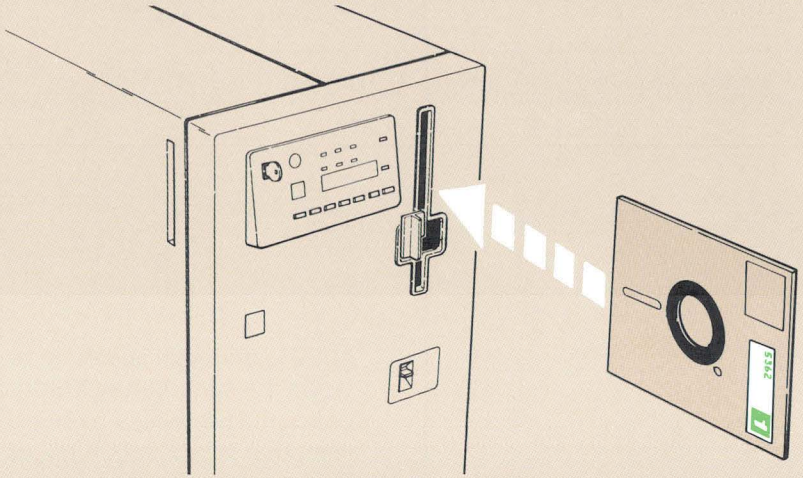
3. **Turn the knobs as shown.**



The feature card will not snap into place unless you press hard. The card will not break.

3.7

Insert diskette 1 with the green label positioned as shown.



3.8

Make sure the Security key is in the Service Position.

CHECKING THE FEATURE CARDS

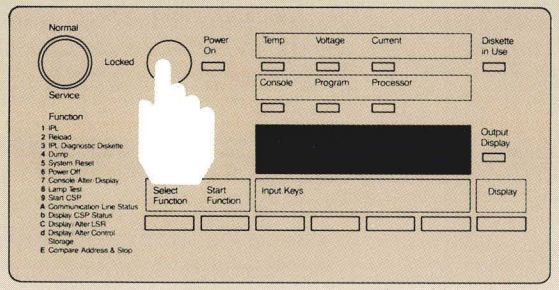
Notes:

1. If you are setting up your computer for the first time and if you are adding a feature, use diskettes 1, 2, and 3 that come with the computer.
2. If you are upgrading your computer by adding a feature only, use diskettes 1, 2, and 3 that come from the Programming Information Department (PID). Always use the latest level of diskettes from PID.
3. Diskette 1 is in the computer if you have just installed another feature.

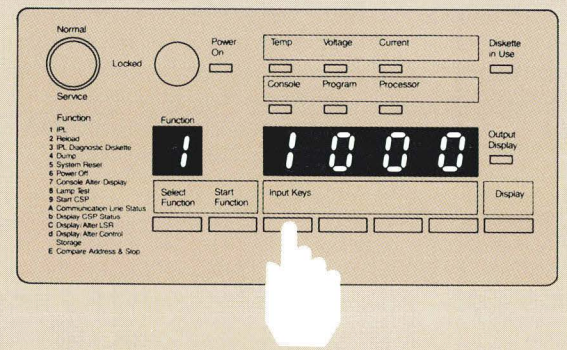
3.9

Turn on the computer.

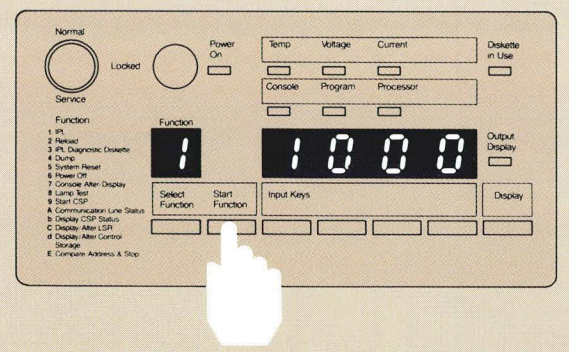
a. Press the Power key.



b. Enter 1000 by pressing the first Input key.



c. Press the Start Function key.



The computer takes about five to nine minutes to check itself to make sure it is ready to operate.

1000 is a special code that the computer uses when the security key is in the Service position. The code, which means the computer is working, remains displayed during checkout or until a system reference code is displayed.

3.10

Go to the system console. Display 02 appears in about five to ten minutes.

3.11

```
02              SYSTEM/36 CONFIGURE-CUSTOMIZE PROGRAM

                        Configuration Verification


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

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

Option: _

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

EXAMPLE

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

Is display 02 displayed on the system console?

YES → 3.12

NO → 6.A

3

3.12

```
02                SYSTEM/36 CONFIGURE-CUSTOMIZE PROGRAM

                          Configuration Verification


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

     Documentation group . . . . .  United States
     Main storage size . . . . . .  128K bytes (see note 1)
     Work stations supported . . .  22
     Communications type
       Line 1  . . . . . . . . . .  EIA/CCITT
       Line 2  . . . . . . . . . .  V.35
       Line 3  . . . . . . . . . .  DDSA
       Line 4  . . . . . . . . . .  Not supported
     Disk storage size . . . . . .  30M bytes
     Keyboard character set  . . .  United States
     Multinational character set .  No
     Computer location . . . . . .  Other (see note 2)
     RPQ to be installed . . . . .  No

Option: _

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

EXAMPLE

Is 22 displayed on display 02?

YES → 3.13

NO → 6.C

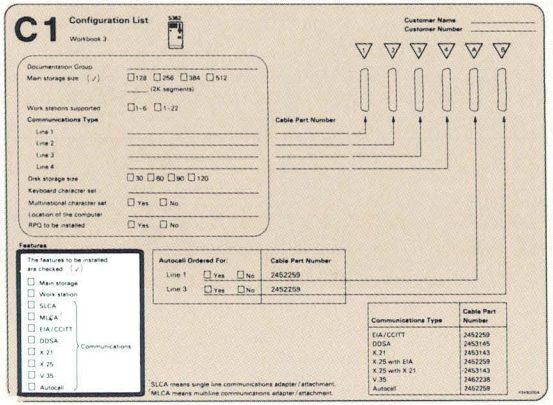
22 is the number of work stations that can now be attached to your computer.

3.13 Do you have a Communications feature to install?

YES → **3.14**

NO → **3.16**

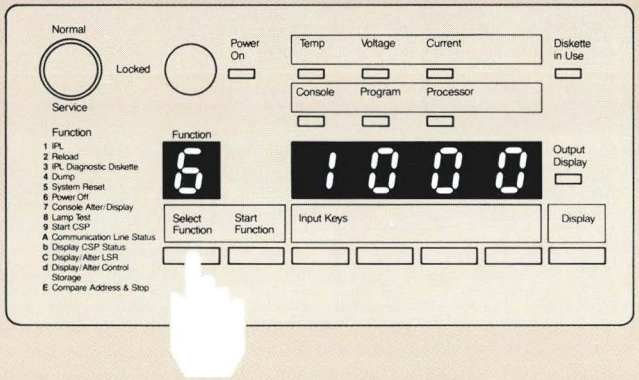
Look on Form C1.



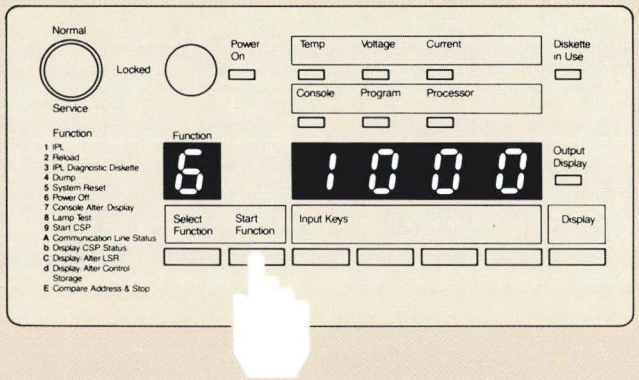
3.14

Turn off the computer.

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



b. Press the Start Function key.



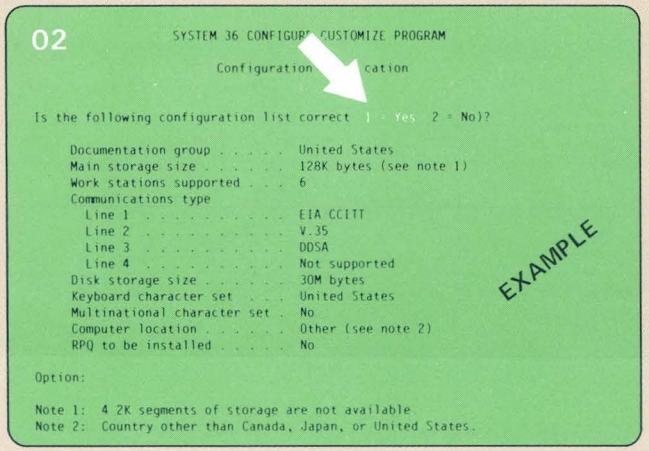
Leave the system console turned on.

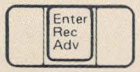
The **6** will flash to indicate that the computer is turning off.

3.15

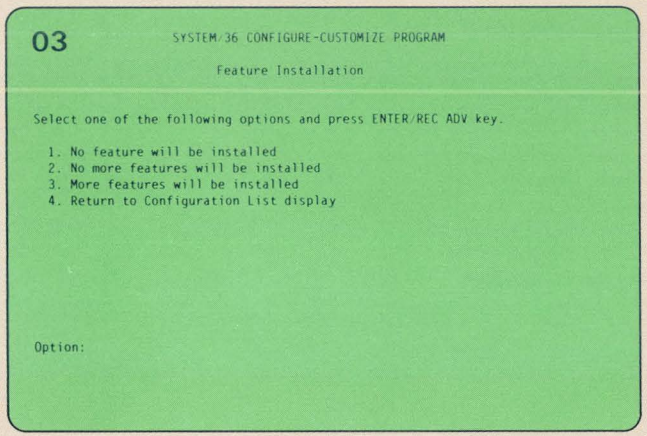
Go to 4.1 , *Installing A Communications Feature* in this manual.

3.16

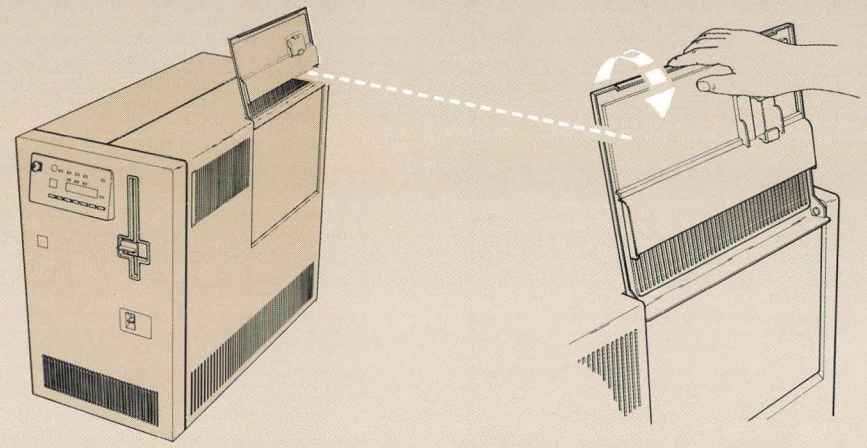


Select option 1 on display 02 and press the 

key. Display 03 appears.



3.17 Close the customer access cover.

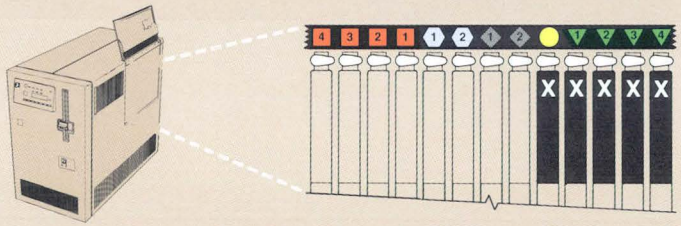


3.18 Go to **5.1** , *Telling Your Computer about the Feature.*

4.1

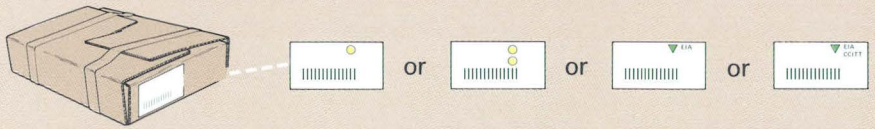
Read the following points about the Communications feature.

- The Communications feature area on the computer is identified with yellow and green labels.



- The yellow label portion of the computer is for the SLCA or MLCA feature.
- The green label portion of the computer is for the following communications feature types:
  — EIA/CCITT
  — DDSA
  — X.21
  — V.35

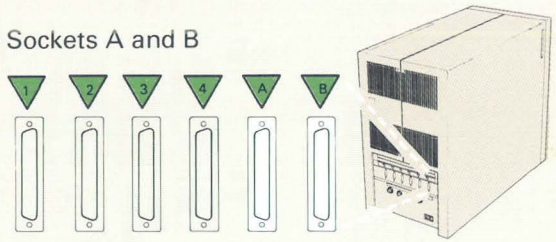
  Autocall, also a communications feature is only a cable that attaches to socket A or B on the computer.
- You can identify which communications feature to install by looking on Form C1.
- Each communications feature is packaged in a box.

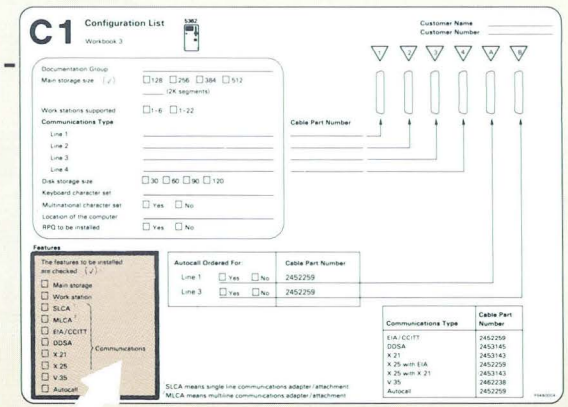


- You can identify the feature by looking at the colored label on the box.

SLCA means Single Line Communications Adapter and MLCA means Multiple Line Communications Adapter.

Sockets A and B

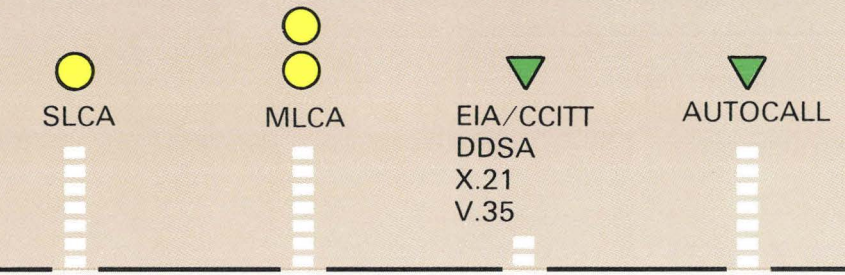




4

4.2

Select the appropriate path for the communications feature you are installing.

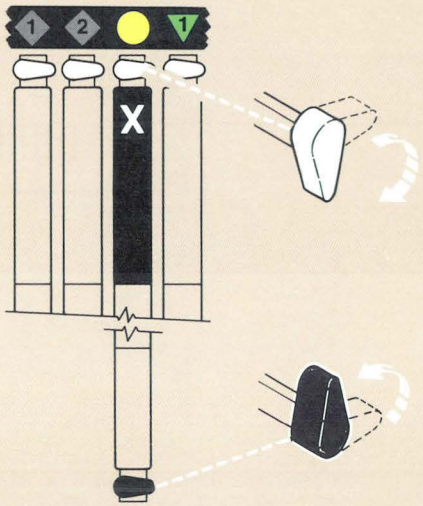


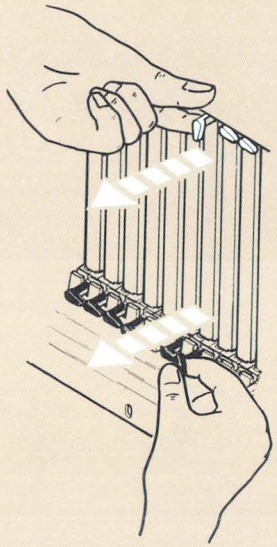
4.3 4.7 4.11 4.20

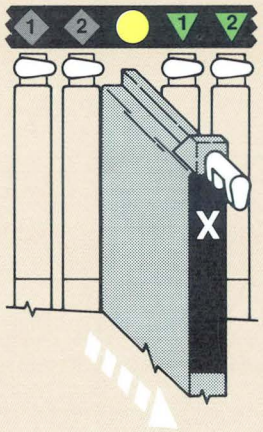
If you are installing communications for the first time, install the SLCA or MLCA feature first.

4.3

Remove the X card.



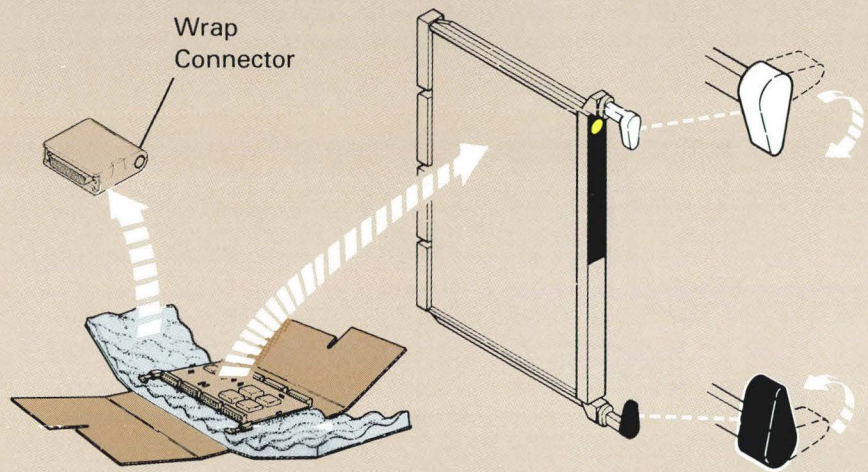




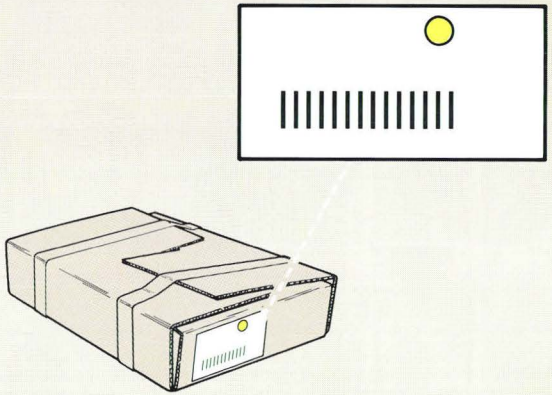
The X card is a blank card that must be removed to make room for the feature card. The X card can be thrown away.

4.4

Remove the wrap connector and the yellow card from its box. Turn the knobs on the yellow card as shown.



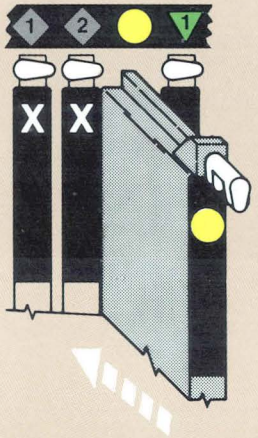
The SLCA card is in a box that looks like the following example.



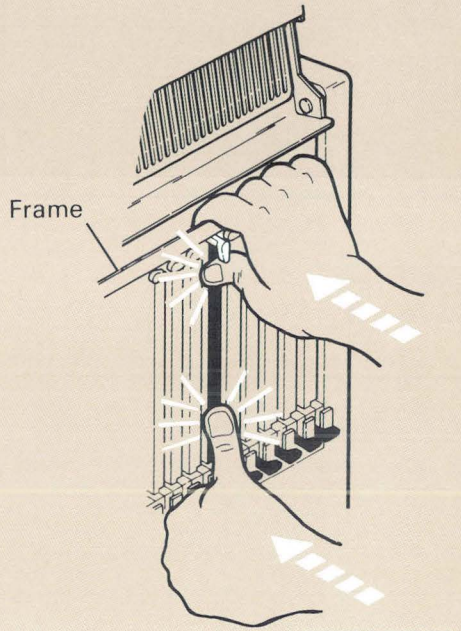
The wrap connector will be stored in your computer later in this section. It is used by your service representative.

4.5

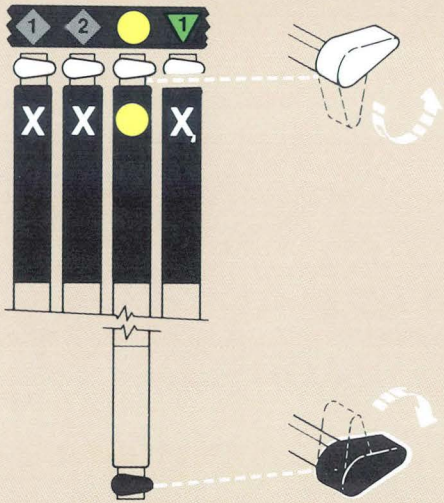
1. **Insert the yellow ● card.**



2. **Grasp the frame, as shown, and press hard until you hear the card snap in place.**



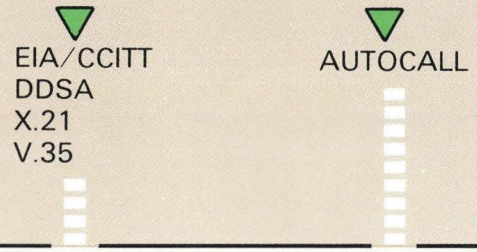
3. **Turn the knobs as shown.**



The feature card will not snap into place unless you press hard. The card will not break.

4.6

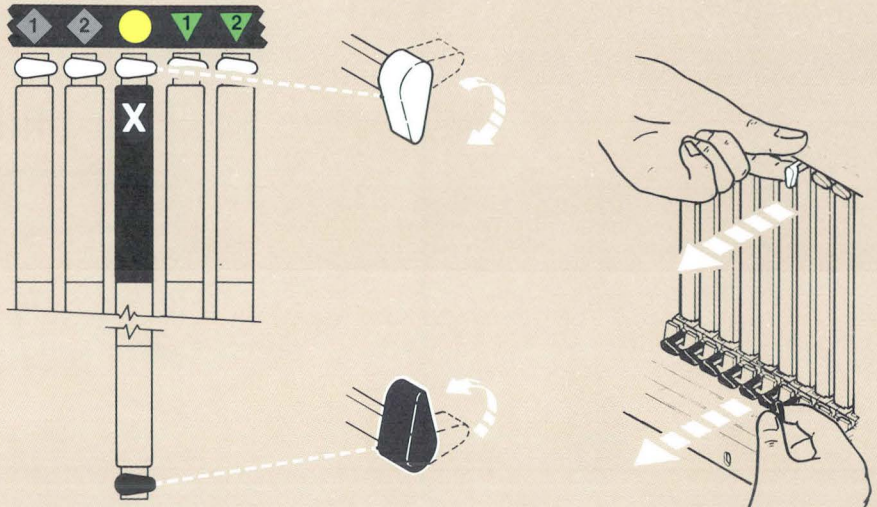
Select the appropriate path for the communications feature you are next installing.

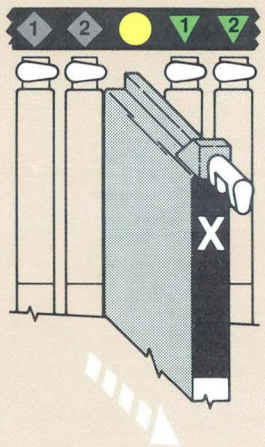


4.11 **4.20**

4.7

Remove the X card or yellow ● card.



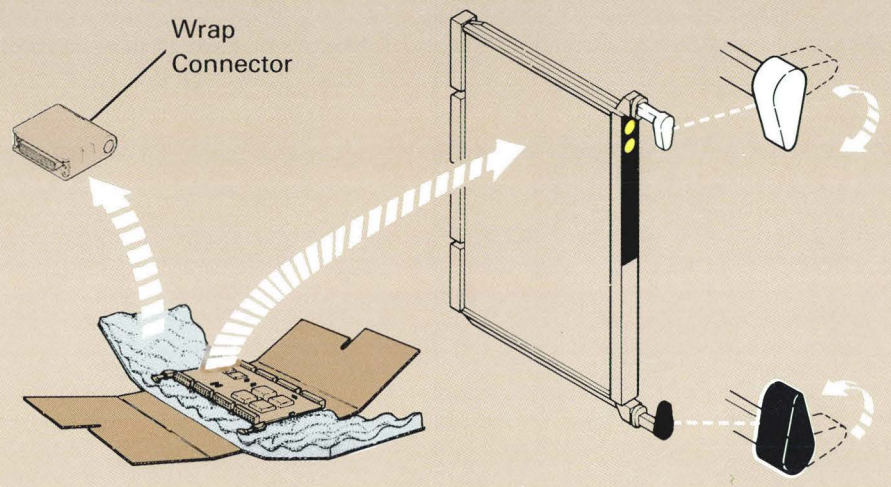


The X card, if you removed one, can be thrown away.

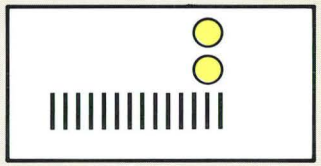
The yellow SLCA card, if you removed one, should be kept. You need to pull this ● card harder when you remove it than when you remove an X card.

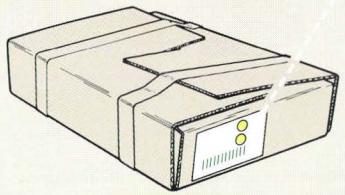
4.8

Remove the wrap connector and the yellow MLCA card from its box. Turn the knobs on the card as shown.



The MLCA card is in a box that looks like the following example:

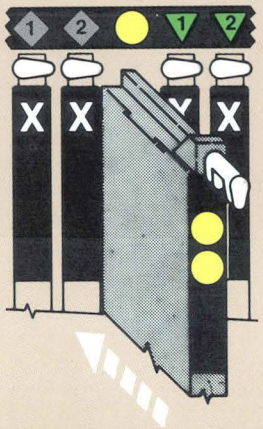




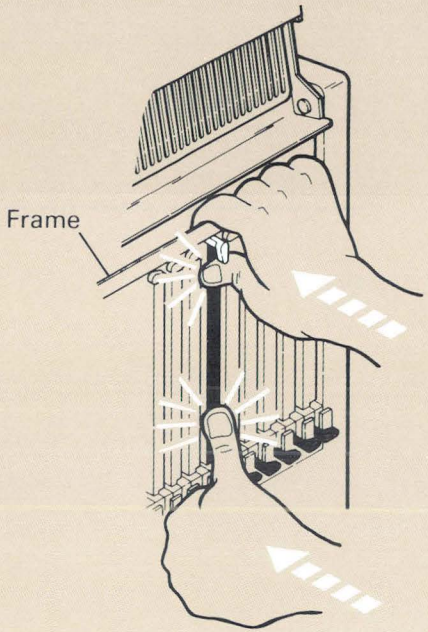
The wrap connector will be stored in your computer later in this section. It is used by your service representative.

4.9

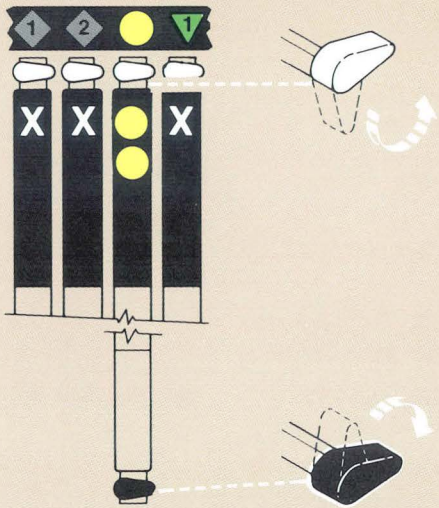
1. **Insert the yellow MLCA card.**



2. **Grasp the frame, as shown, and press hard until you hear the card snap in place.**



3. **Turn the knobs as shown.**

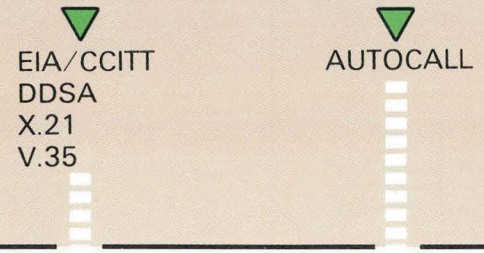


The feature card will not snap into place unless you press hard. The card will not break.

4

4.10

Select the appropriate path for the communications feature you are installing next.



4.11 **4.20**

4.11

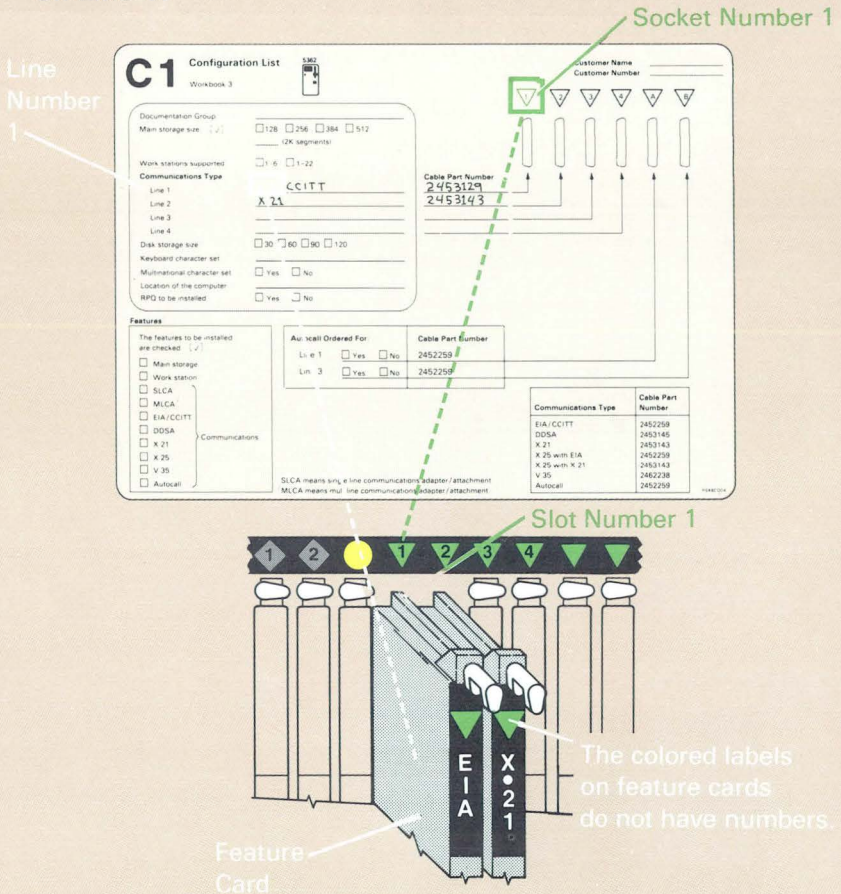
1. **Determine from Form C1 which communications features you are installing.**

2. **Match the feature card to the line number on Form C1.**

3. **Match the slot number to the socket number.**

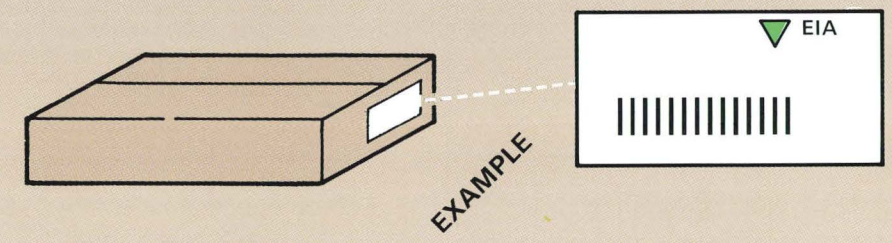
EXAMPLE

In this example, Form C1 shows that EIA will be installed on Line 1.

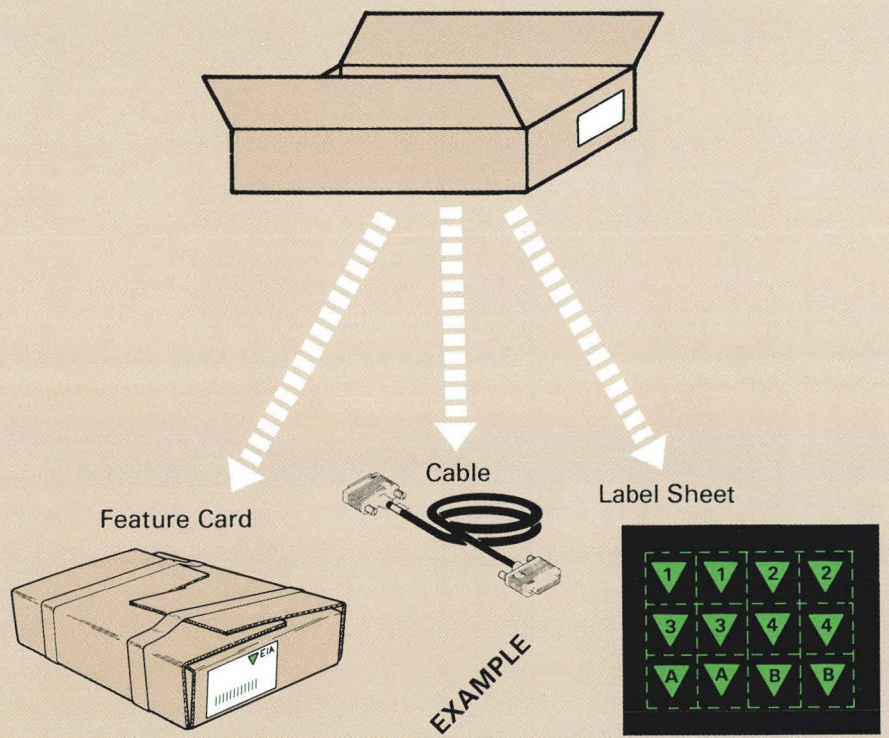


Socket number 1 is for Line 1, Socket number 2 is for Line 2, and so on.

4.12 Find the box containing the communications feature that you are going to install.

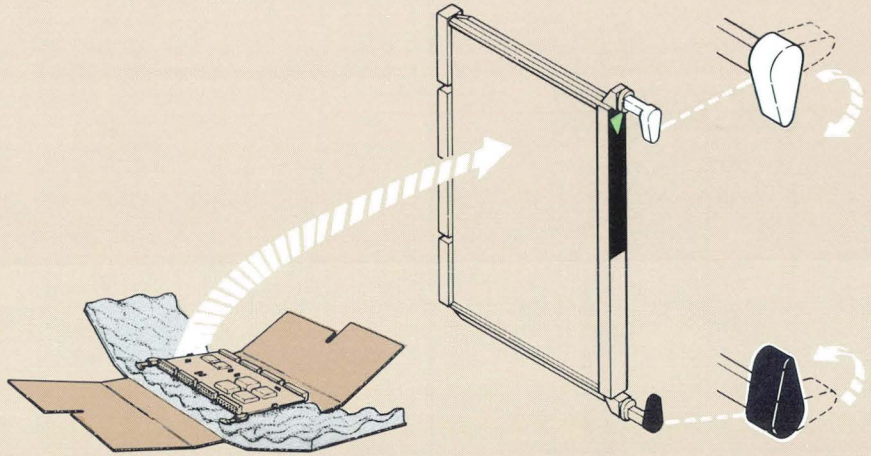


4.13 Open the box. You should find the following items:



4.14

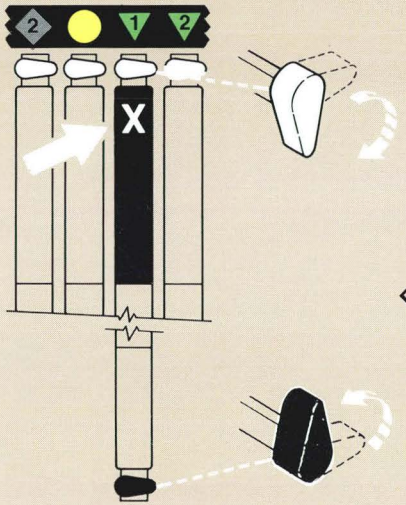
Remove the green card ▼ from its box and turn the knobs as shown:



4.15

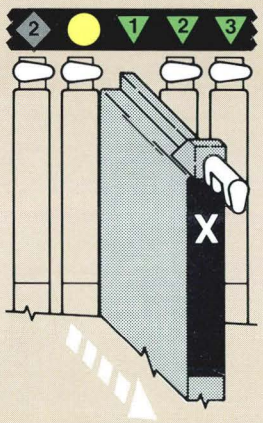
Remove the X card for the line you will be installing and insert the green ▼ card.

1. Turn

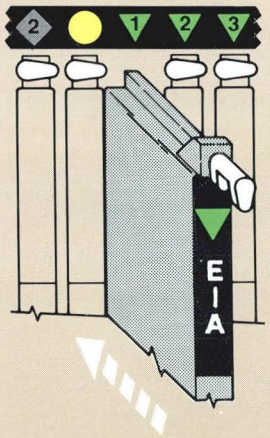


EXAMPLE

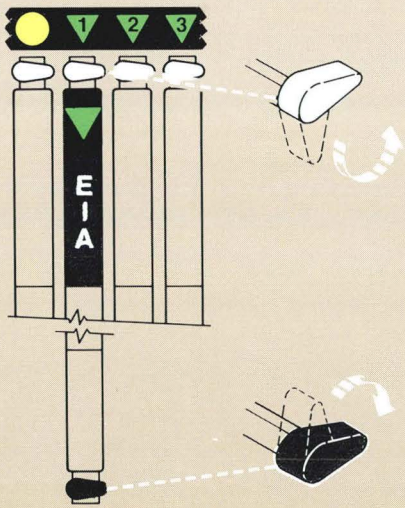
2. Pull



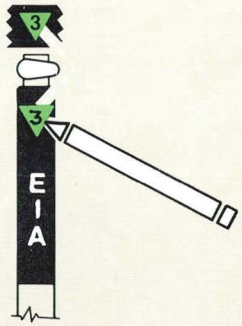
3. Insert



4. Turn

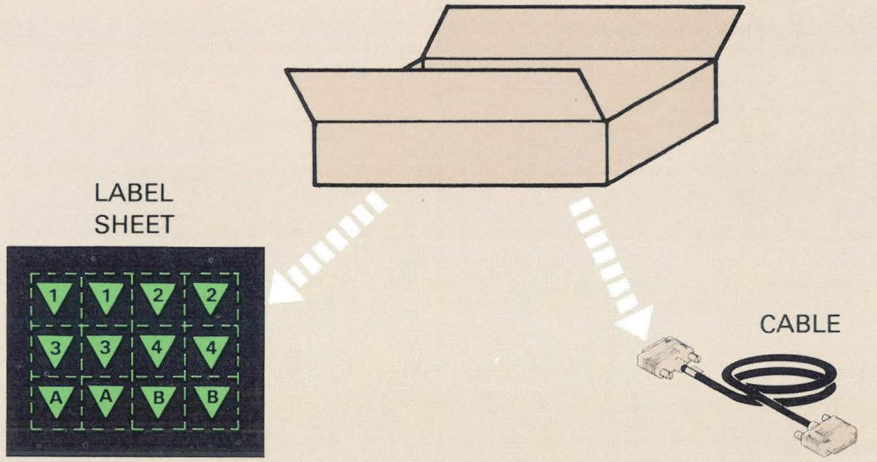


You should record the line number on the feature card.

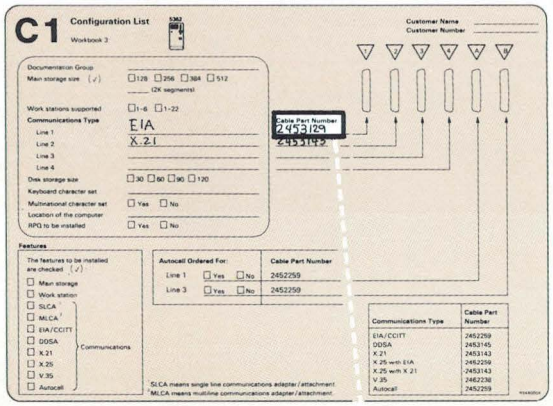


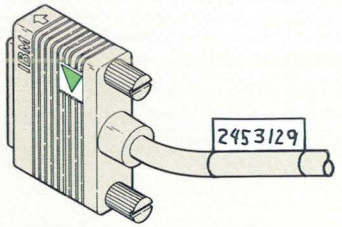
4.16

Remove the communications cable and label sheet from the feature box.



The part number on the cable should match the part number recorded on Form C1.



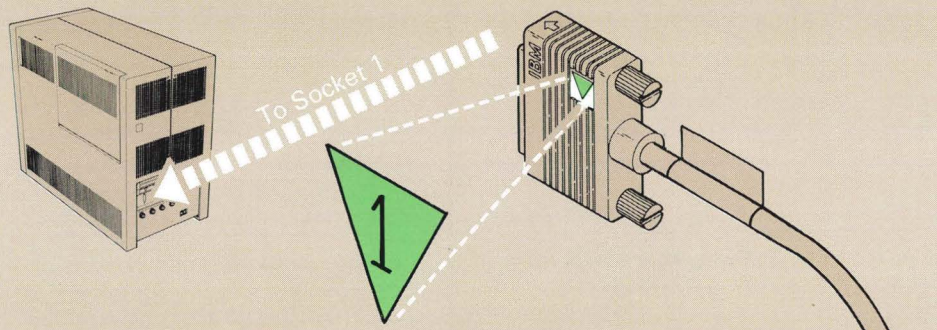


4

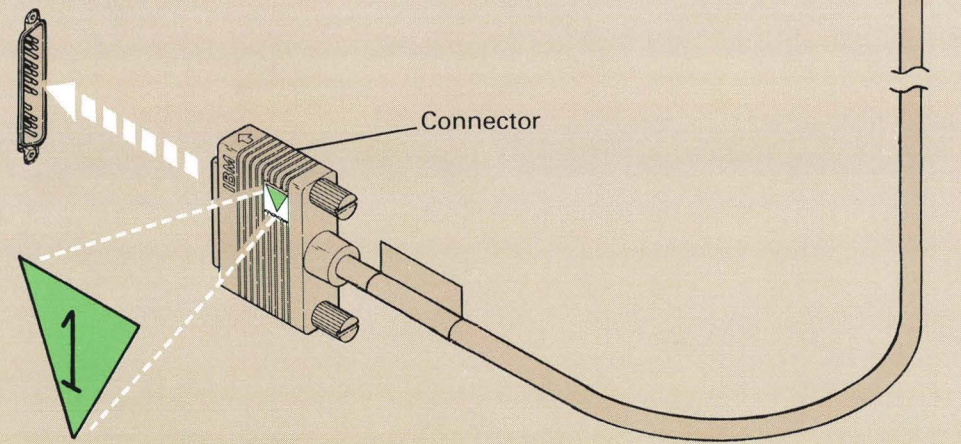
4.17

Peel off two labels that match the line number and place one at each end of the cable.

1. **Place one label in the molded inset; this end connects to the computer.**

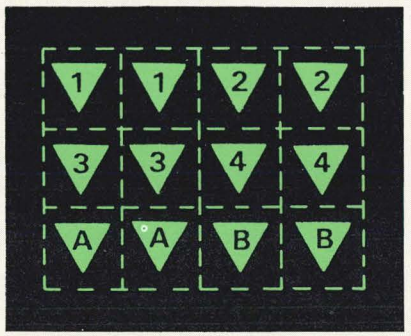


2. **Place the second label, as the first, on the opposite end of the cable; this end connects to a modem. (The connector might look different from the one shown.)**



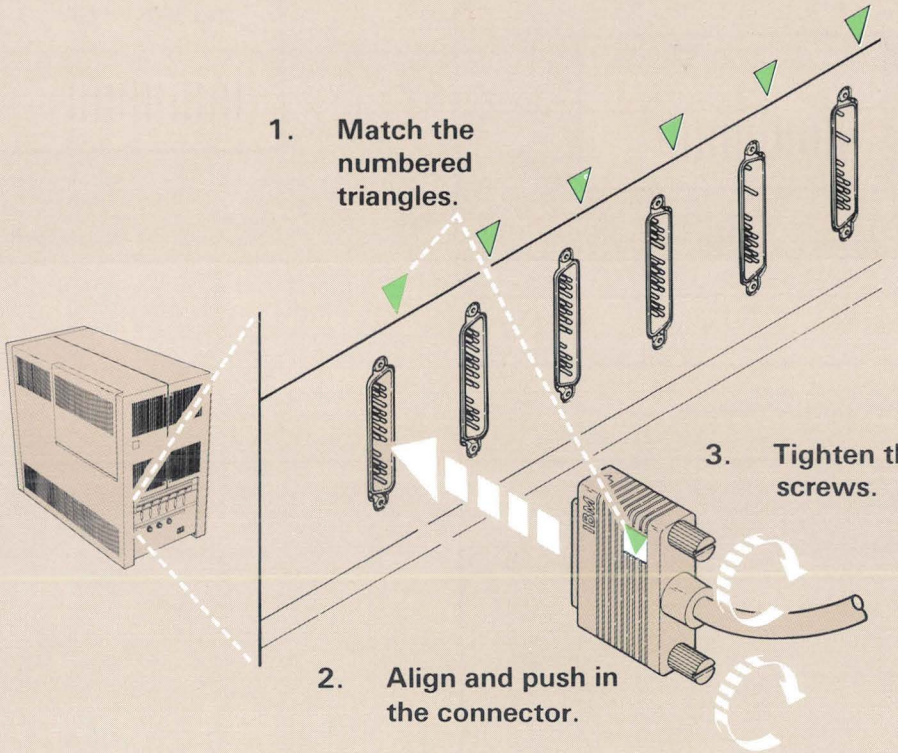
You will connect the communications cable to the computer in step **4.18**

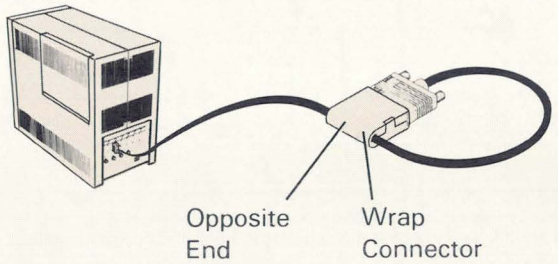
The label sheet, for the communications cables, looks like the following example:



4.18

Connect the communications cable as follows:





The opposite end of the cable will be connected later, using the *Setting Up Your Computer* manual.

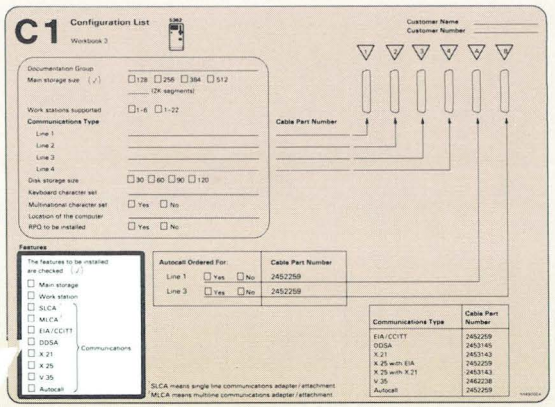
4.19

Do you have another communications feature ▼ to install?

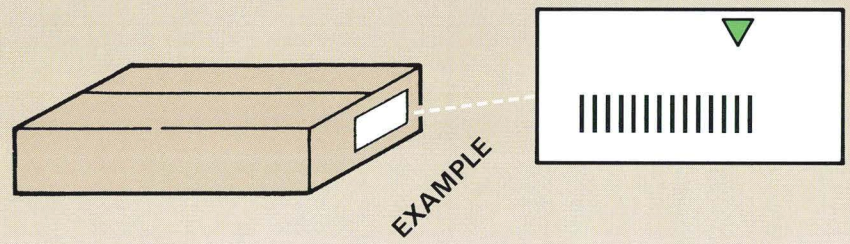
YES → **4.10**

NO → **4.26**

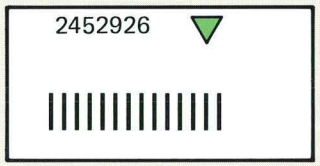
Look on Form C1.



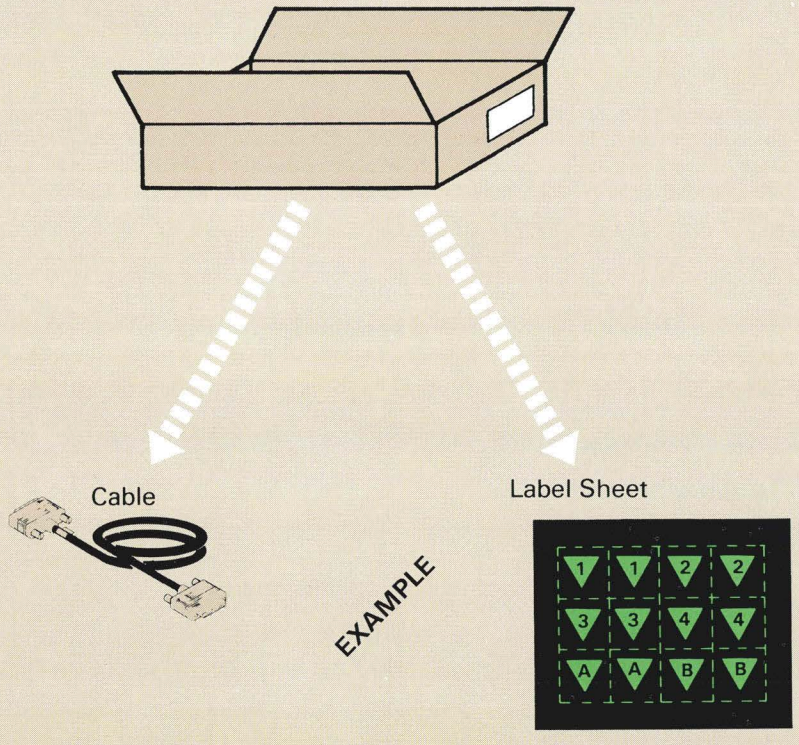
4.20 **Find the box containing the Autocall feature that you are going to install.**



The part number for Autocall is 2452926.

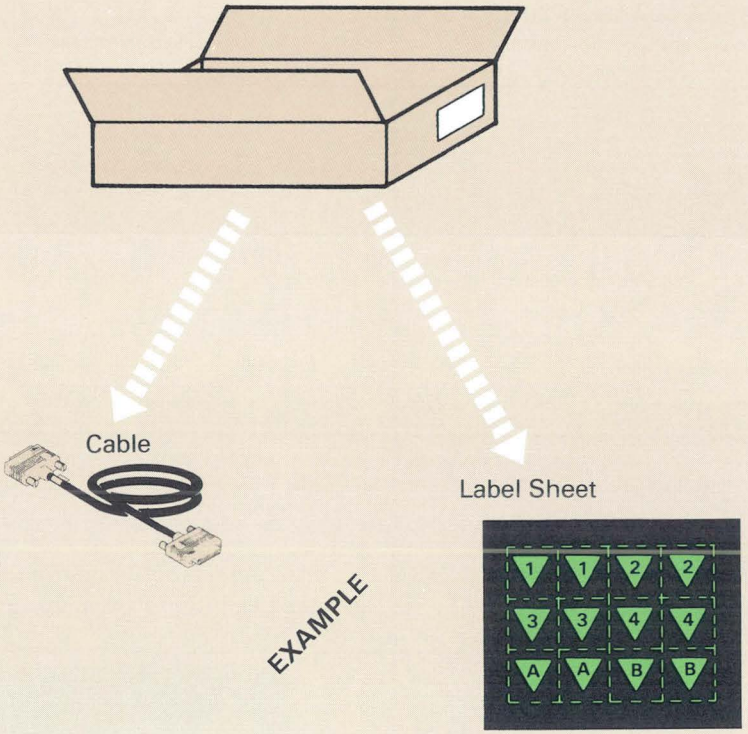


4.21 **Open the box. You should find the following two items:**

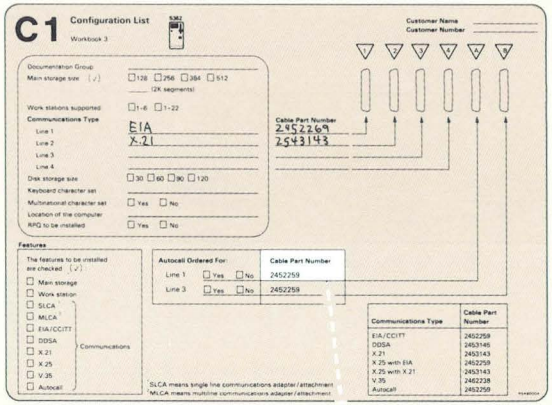


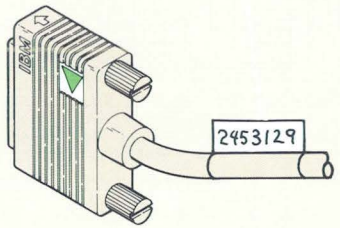
4.22

Remove the autocall cable and label sheet from the feature box.



The part number on the cable should match the part number recorded on Form C1.

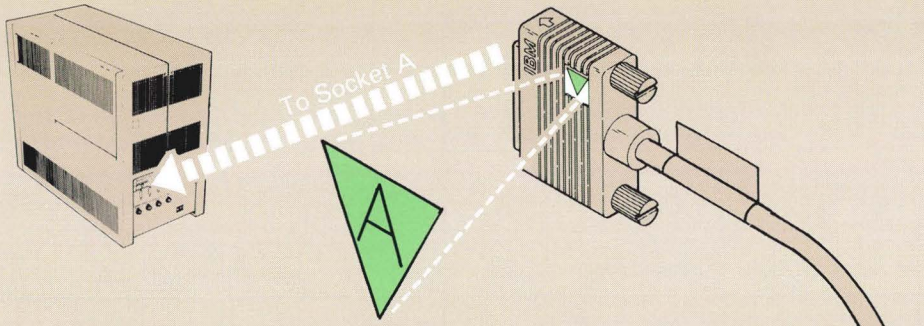




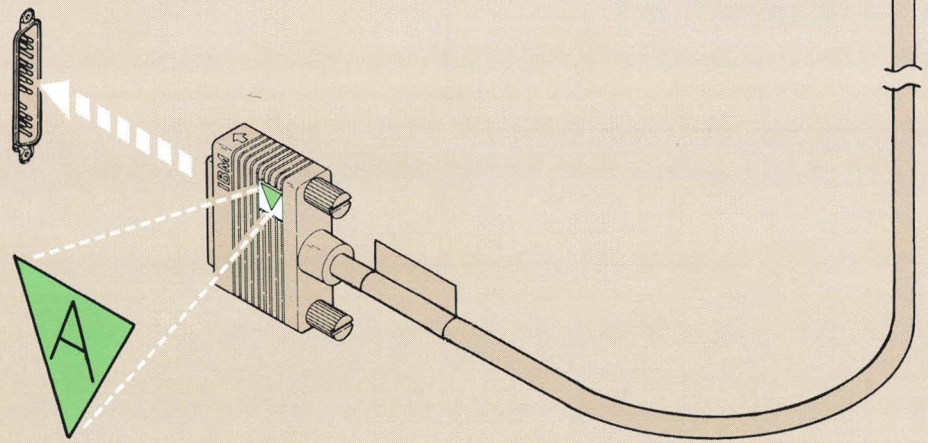
4.23

Peel off two labels that match the line number (A or B) and place one at each end of the cable.

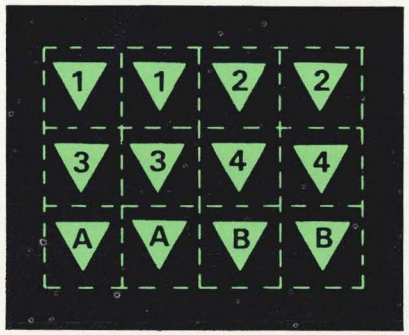
1. **Place one label in the molded inset; this end connects to the computer.**



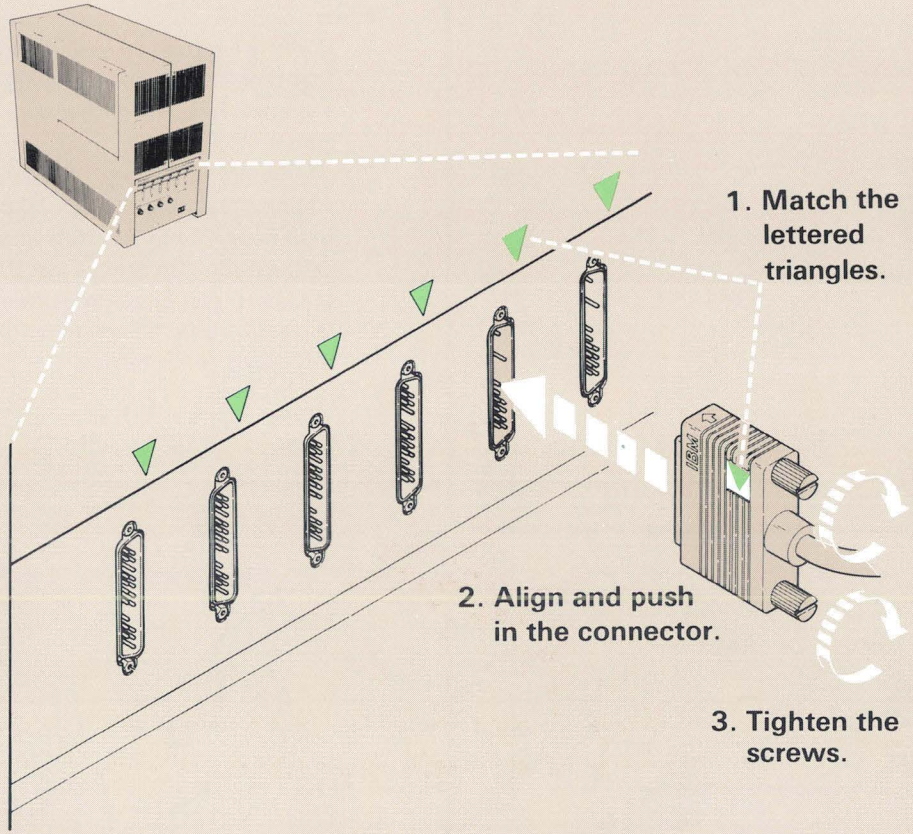
2. **Place the second label, as the first, on the opposite end of the cable. This end connects to a modem and might look different from the one shown.**



The labels for the communications cables look like the following example:



4.24 Connect the Autocall cable as follows:



The opposite end of the cable will be connected later, using the *Setting Up Your Computer* manual.

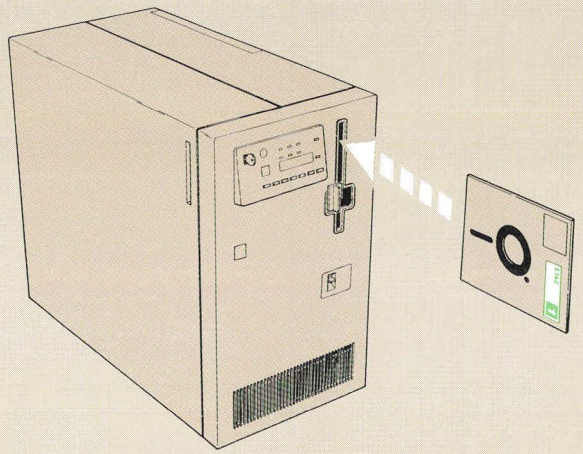
4.25 Do you have another Autocall feature to install?

YES → **4.20**

NO → **4.26**

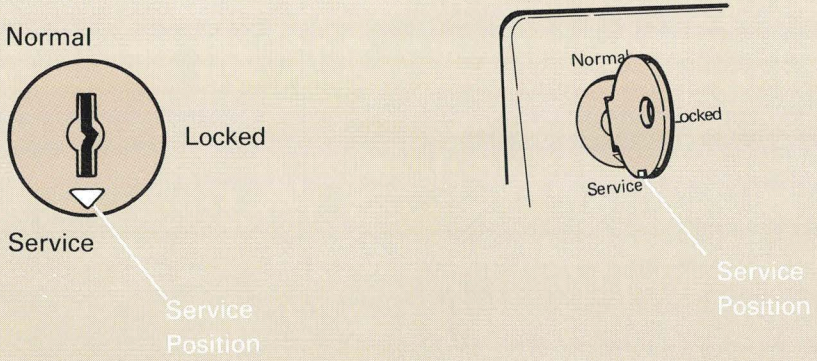
4.26

Insert diskette 1 with the green label positioned as shown.



4.27

Make sure the Security key is in the Service position.



CHECKING THE FEATURE CARD

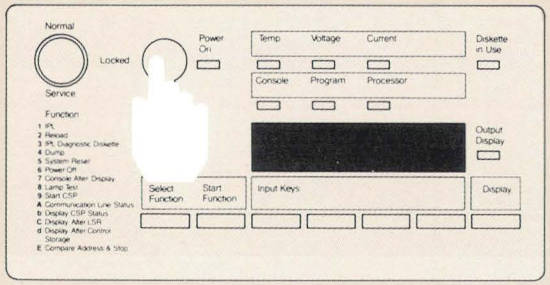
Notes:

1. If you are setting up your computer for the first time and if you are adding a feature, use diskettes 1, 2, and 3 that come with the computer.
2. If you are upgrading your computer by adding a feature only, use diskettes 1, 2, and 3 that come from the Programming Information Department (PID). Always use the latest level of diskettes from PID.
3. Diskette 1 is in the computer if you have just installed another feature.

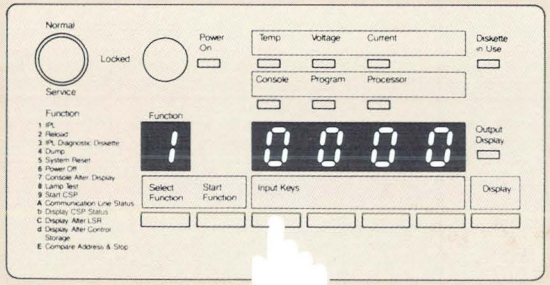
4.28

Turn on the computer.

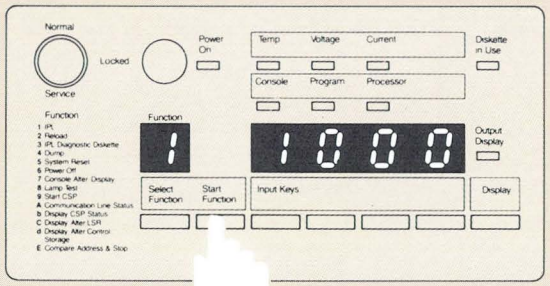
a. Press the Power key.



b. Enter 1000 by pressing the first Input key.



c. Press the Start Function key.



1000 is a special code that the computer uses when the security key is in the Service position. The code, which means the computer is working, remains displayed during checkout or until a system reference code is displayed.

4.29

Go to the system console. Display 02 appears in about five to ten minutes.

```
02                SYSTEM/36 CONFIGURE-CUSTOMIZE PROGRAM

                          Configuration Verification


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

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

Option: _

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

EXAMPLE

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

Is Display 02 displayed on the system console?

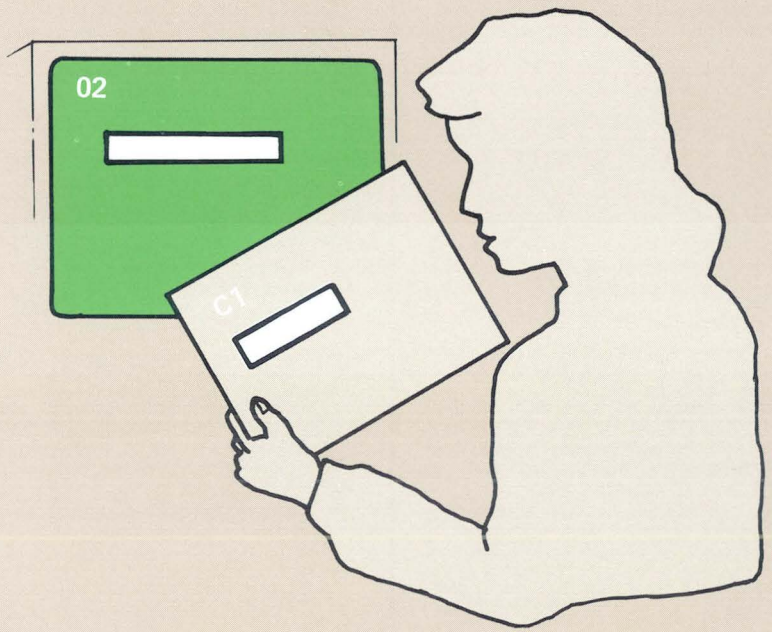
YES → **4.30**

NO → **6.A**

The computer takes about five to ten minutes to check itself to make sure it is ready to operate.

4.30

Compare the communications type on display 02 to the communications type recorded on Form C1.



02

SYSTEM/36 CONFIGURE-CUSTOMIZE PROGRAM

Configuration Verification

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

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

Option: _

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

EXAMPLE

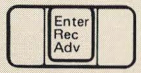
Does the communications type match?

YES → **4.31**

NO → **6.C**

```
02              SYSTEM/36 CONFIGURE-CUSTOMIZE PROGRAM

                          Configuration Verifica

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

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

Option: _

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

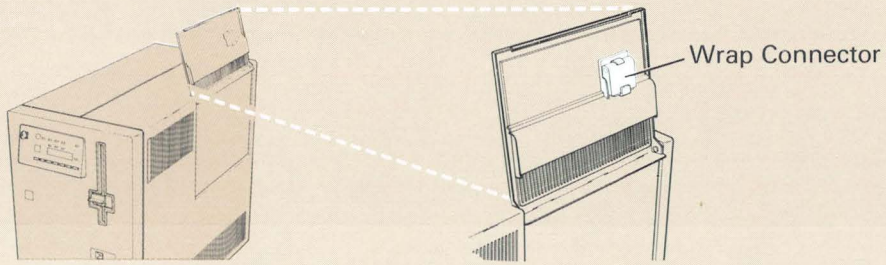
EXAMPLE

Select option 1 on display 02 and press the 

key. Display 03 appears.

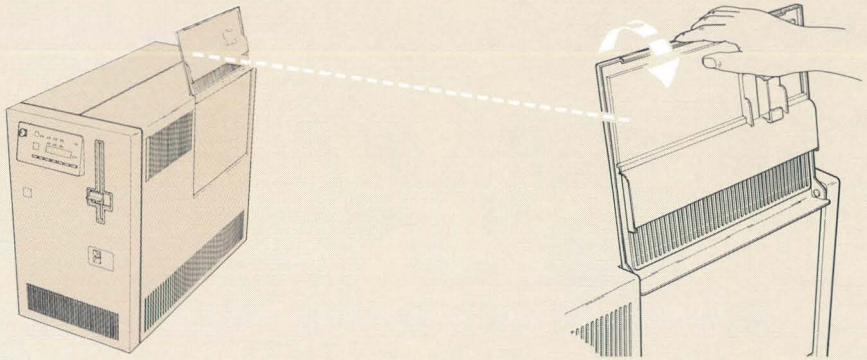
```
03              SYSTEM/36 CONFIGURE-CUSTOMIZE PROGRAM

                          Feature Installation

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

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

Option: _
```

4.32 **If this is the first time you have installed a communications feature, store the wrap connector in the area provided for it on the inside of the customer access cover.**



The wrap connector comes with either the SLCA or MLCA feature.

4.33 **Close the customer access cover.**



4.34 **Leave the computer running and go to** 5.1 *, Telling Your Computer about the New Feature.*

5.1

The computer will not recognize the new feature until information about the feature is loaded into the computer. This process is called configure-customize and is the last step in the feature installation process.

To perform configure-customize, you will need diskettes 2 and 3.

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

The entire configure-customize process will take about 15 minutes.

5.2

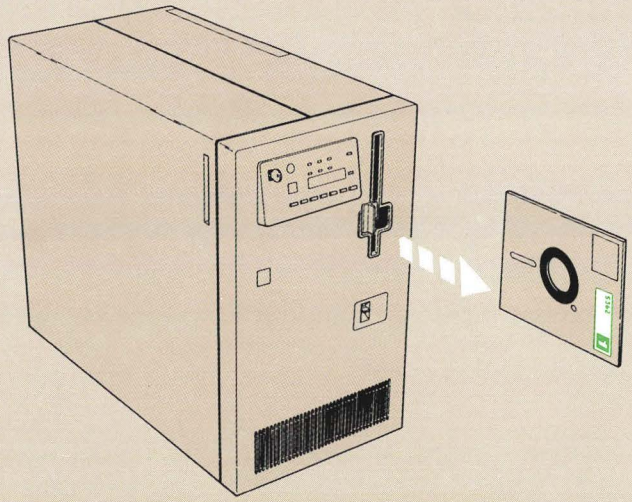
```
03          SYSTEM/36 CONFIGURE-CUSTOMIZE PROGRAM

                    Feature Installation

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

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




Option: _
```

Select option 2 on display 03 and press the [Enter / Rec Adv] key. Display 16 appears.

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

5.3

Remove diskette 1.



5.4

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

Do the following.

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

Insert diskette 2 and press the

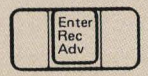
key. Display 20 appears.

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

The program is processing!  Please wait!
```

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

5.5

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

Do the following.

     Insert diskette 3.
     Press the ENTER/REC ADV key.
```

Insert diskette 3 and press the 

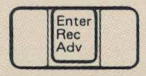
key. Display 20 appears.

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

The program is processing!  Please wait!
```

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

5.6

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

Do the following.

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

Insert diskette 2 and press the 

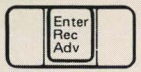
key. Display 20 appears.

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

The program is processing!  Please wait!
```

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

5.7

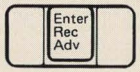
```
17          SYSTEM/36 CONFIGURE-CUSTOMIZE PROGRAM
                          Diskette 3

Do the following.

     Insert diskette 3.
     Press the ENTER/REC ADV key.
```

Insert diskette 3 and press the 

key. Display 20 appears.

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

The program is processing!  Please wait!
```

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

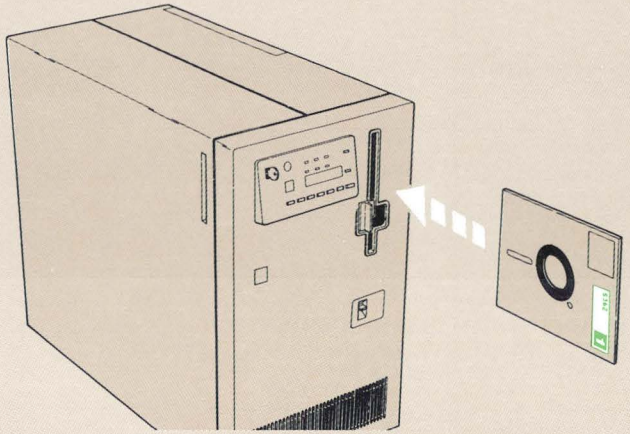
- **Do not press the** 

key.
- **Go to 5.8.**

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

You have completed configure-customize.
Insert diskette 1.

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

5.8

Insert diskette 1.



5.9

Select the appropriate path.

YOU ARE SETTING UP AND INSTALLING A FEATURE
This means you are both setting up the computer and installing a feature for the first time.

OR

YOU ARE INSTALLING A FEATURE ONLY
This means you are installing a feature on a computer that has been set up and running for some time. Now you are installing a feature only.

5.10

5.13

5.10

```
18          SYSTEM/36 CONFIGURE-CUSTOMIZE PROGRAM

                Configure-Customize Completion

You have completed configure-customize.
Insert diskette 1.

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

Press the Enter Rec Adv key to continue. Display 51 appears.

5.11

```
51          SYSTEM/36 CHECKOUT PROGRAM

                Device Checkout Selection Menu

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

  1. Work station
  2. Communications
  3. End checkout



Option: _
```

Go to 5.12.

5.12

```
51                SYSTEM/36 CHECKOUT PROGRAM

                  Device Checkout Selection Menu

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

  1. Work station
  2. Communications
  3. End checkout




Option: _
```

Go to 6.1 in the *Setting Up Your Computer* manual.

5.13

Did you install a communications feature?

YES → 5.14

NO → 5.25

5.14

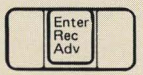
```
18          SYSTEM/36 CONFIGURE-CUSTOMIZE PROGRAM

                 Configure-Customize Completion

You have completed configure-customize.
Insert diskette 1.

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

Press the

key to continue. Display 22 appears:

5.15

```
22          SYSTEM/36 CONFIGURE-CUSTOMIZE PROGRAM

                 Configure-Customize Complete

Press the ENTER/REC ADV key to start the SYSTEM/36
CHECKOUT PROGRAM.
```

Press the 

key. Display 51 appears.

5.16

```
51                SYSTEM/36 CHECKOUT PROGRAM

                  Device Checkout Selection Menu

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

  1. Work station
  2. Communications
  3. End checkout

                                                    EXAMPLE


Option: _
```

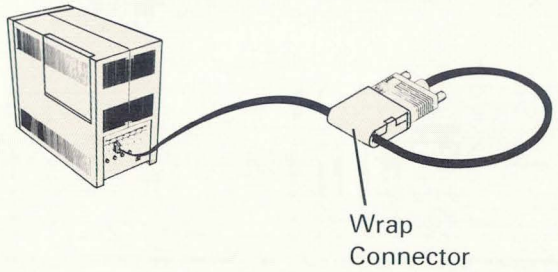
Select the Communications option on display 51 and then press the Enter/Rec/Adv key. Display 71 appears.

5.17

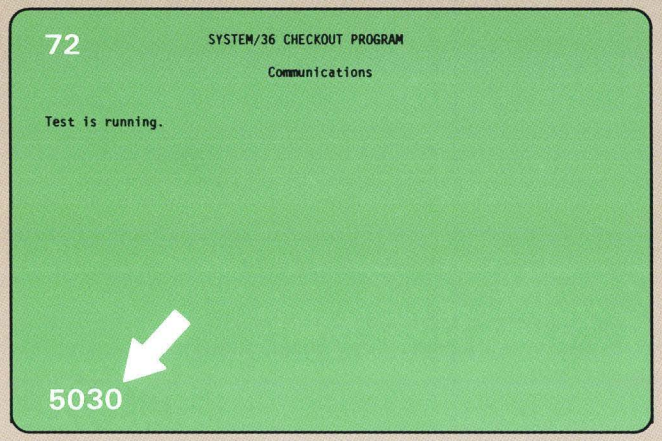
```
71                SYSTEM/36 CHECKOUT PROGRAM

                  Communications

Line 1 - No wrap connector is needed to test this line
Line 2 - You do not have communications on this line
Line 3 - Check that the cable is plugged into the wrap connector
Line 4 - No wrap connector is needed to test this line
Socket A - You do not have a cable connected to this socket
Socket B - Check that the cable is plugged into the wrap connector

                                                    EXAMPLE


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

Press the Enter/Rec/Adv key. Display 72 appears.

Make sure the wrap connector is plugged into the cable for the communications feature just installed.



5.18



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

YES → 5.19

NO → 5.21

5.19

Did your computer previously have a communications feature installed?

YES → 5.20

NO → 6.D

Previously means that you have been using a communications line that is connected to a modem or channel service unit.

5.20

When you install an additional communications feature and run the communications checkout program, the 5030 system reference code might be displayed for a communications feature previously installed.

If the 5030 system reference code appeared for the line on which you just installed a new communications feature, go to 6.E . If the 5030 system reference code appeared for a communications feature previously installed, bypass the error:

1. **Select option 0 on display 72.**

   Display 72 is displayed at the system console.

2. **Press the Enter/Rec Adv key.**

3. **Go to 5.21 .**

4. **Repeat steps 1 and 2 for each previously installed feature.**

5.21

When the communications test is complete, display 73 appears.

```
73                SYSTEM/36 CHECKOUT PROGRAM
                          Communications

End of communications checkout.

Checkout was successful.




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

Press the Sys Req Attn **key. Display 51 appears.**

A message will appear here if a communications error is detected.

```
73                SYSTEM/36 CHECKOUT PROGRAM
                          Communications

End of communications checkout.

An error was detected.

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

5.22

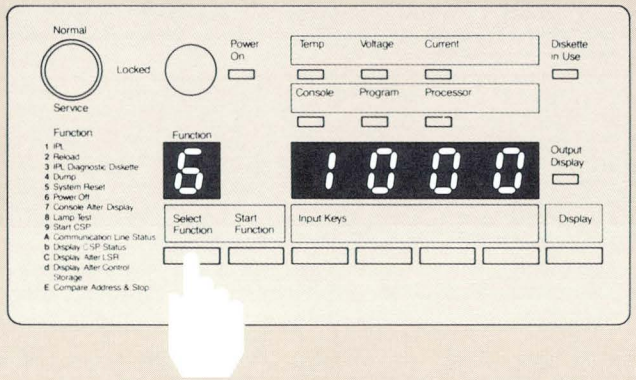
```
51                SYSTEM/36 CHECKOUT PROGRAM
                     Device Checkout Selection Menu

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

  1. Work station
  2. Communications
  3. End checkout

                                                    EXAMPLE

Option: _
```

Select option 3 and press the Enter Rec Adv **key.**

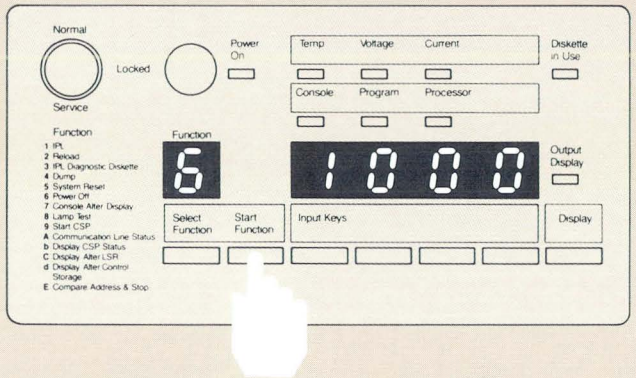
5.23

Turn off the computer.

a. Press the Select Function key until 6 appears.



b. Press the Start Function key.



Leave the system console turned on.

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

5.24

Go to 7.1 in the *Setting Up Your Computer* manual, SA21-9487.

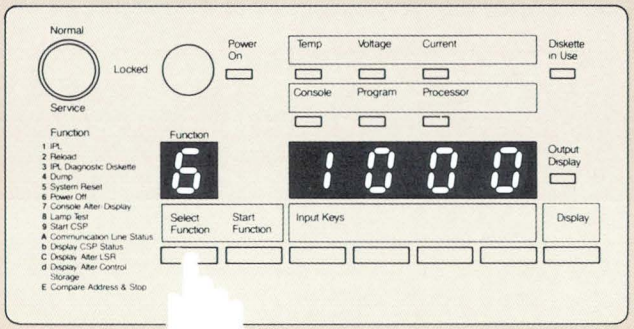
In Section 7 you will connect the communications cable to a modem or service channel unit.

5.25

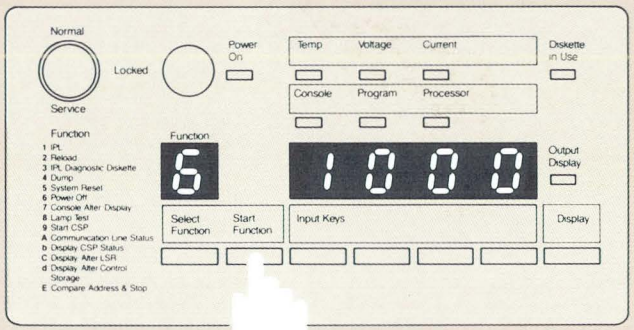
You have completed feature installation. Do the following:

1. **Turn off the computer.**

   a. Press the Select Function key until 6 appears.



   b. Press the Start Function key.



2. **Put this manual and diskettes 1, 2, and 3 in their storage box and keep it near the planning packet, *What To Do Before Your Computer Arrives,* SBOF-4778.**
3. **Return Form C1 to the *Forms For Planning,* SA21-9446.**
4. **Read *Changing Your System Configuration,* SC21-9052.**

Leave the system console turned on.

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

Section 6. Finding the Problem

6

Should a problem occur during feature installation, this section contains procedures that will help you find the problem. These procedures are:

- 6.A Display 02 Did Not Appear on the System Console
- 6.B Faulty 2 K Segments were Found
- 6.C Display 02 does not match Form C1
- 6.D 5030 Communications Error
- 6.E Responding to a System Reference Code

Once you have solved the problem, you will be sent back to one of the previous sections to continue with feature installation. If you cannot solve the problem, instructions within each procedure tell you what to do.

DISPLAY 02, DID NOT APPEAR ON THE SYSTEM CONSOLE

6.A

Cause: One or more of the following conditions existed when you turned on the computer:

- The Power switch on the system console is set to O (Off).
- The keylock on the system console is in the 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 not 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
- The Terminator switch on the system console is set to 2 (see note).

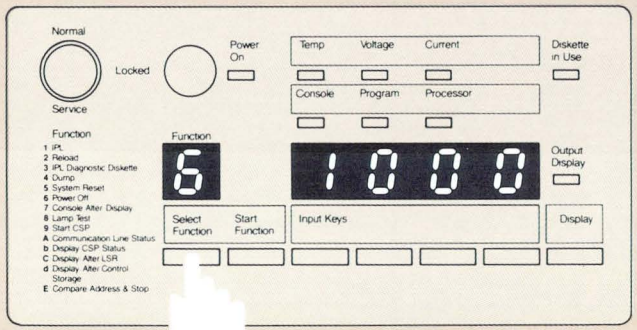
3180 Model 2, 5553, 5555, and display stations with one socket do not have Terminator switches.

Section 6.A Continued

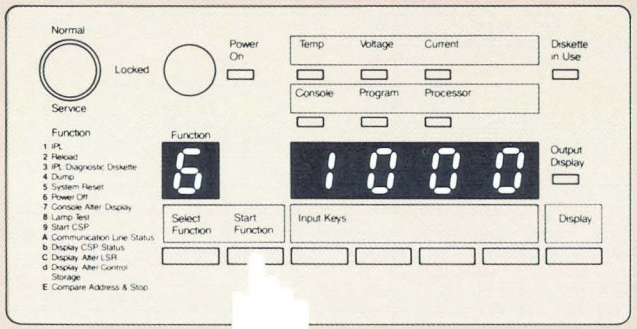
Action:

1. **Turn off the computer.**

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



   b. **Press the Start Function key.**



2. **Check the causes.**

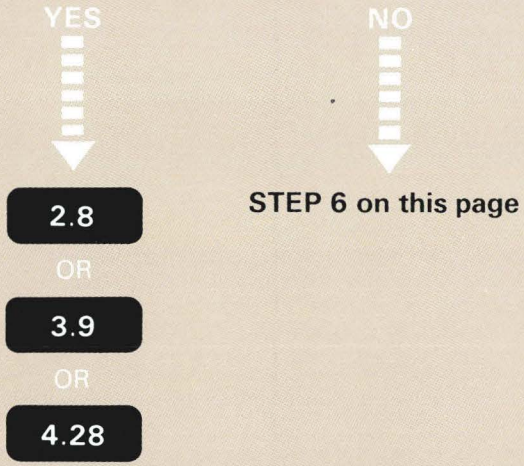
Section 6.A Continued

3. Return to 2.8 , or 3.9 , or 4.28 and try it again.

4. If you cannot get display 02 to appear on the system console, turn off the computer, exchange the system console with another display station, and try the system checkout procedure again.

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

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



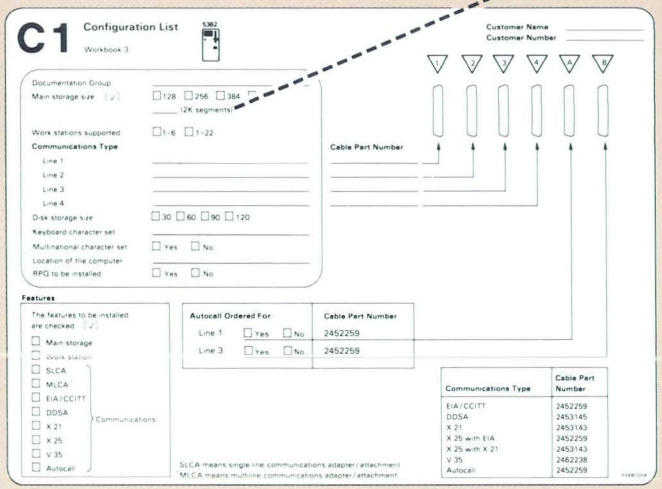
6. You cannot continue the system checkout. Call your hardware service representative and report the problem.

6.B

Step 1. Look on Form C1. Do you see a number recorded next to 2K?

4 (2K segments)

Recorded Number



C1 Configuration List

Workbook 3

Customer Name
Customer Number

Documentation Group
Main storage size ☐128 ☐256 ☐384 ☐
____ (2K segments)
Work stations supported ☐1-6 ☐1-22
Communications Type
Line 1
Line 2
Line 3
Line 4
Disk storage size ☐30 ☐60 ☐90 ☐120
Keyboard character set
Multinational character set ☐Yes ☐No
Location of the computer
RPQ to be installed ☐Yes ☐No

Cable Part Number

Features

The features to be installed are checked (✓)

☐ Main storage
☐ Work station
☐ SLCA
☐ MLCA
☐ EIA/CCITT
☐ DDSA
☐ X 21
☐ X 25
☐ V 35
☐ Autocall

} Communications

Autocall Ordered For			Cable Part Number
Line 1	☐ Yes	☐ No	2452259
Line 3	☐ Yes	☐ No	2452259

Communications Type	Cable Part Number
EIA/CCITT	2452259
DDSA	2453145
X 21	2453143
X 25 with EIA	2452259
X 25 with X 21	2453143
V 35	2462238
Autocall	2452259

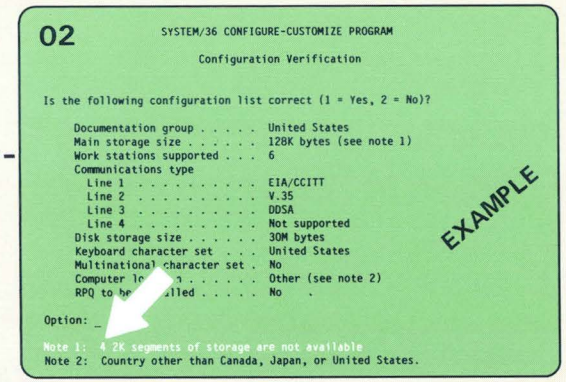
SLCA means single line communications adapter/attachment
MLCA means multiline communications adapter/attachment

YES

NO

Step 3.

Step 2. Is the number (shown on your display 02) greater than the number recorded on Form C1?



02 SYSTEM/36 CONFIGURE-CUSTOMIZE PROGRAM

Configuration Verification

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

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

Option: _

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

EXAMPLE

YES

NO

Step 3.

The new feature card is good. Return to 2.11 .

Section 6.B Continued

Step 3. The new main storage card(s) in your computer has one or more than one defective 2K segments. For now you can use it until a new card can be installed.

Do the following:

a. Continue with feature installation.

b. After you have completed feature installation, call IBM and report the problem.

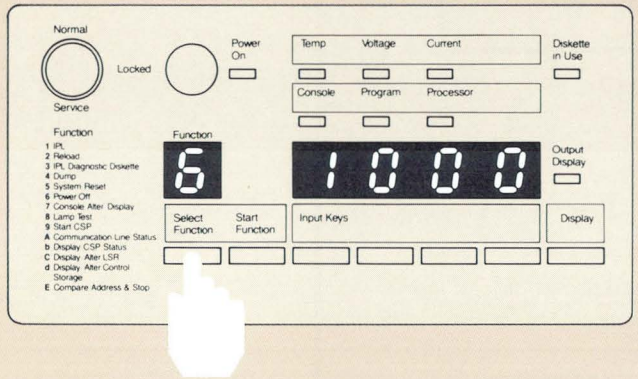
c. Return to 2.11 .

DISPLAY 02 DOES NOT MATCH FORM C1

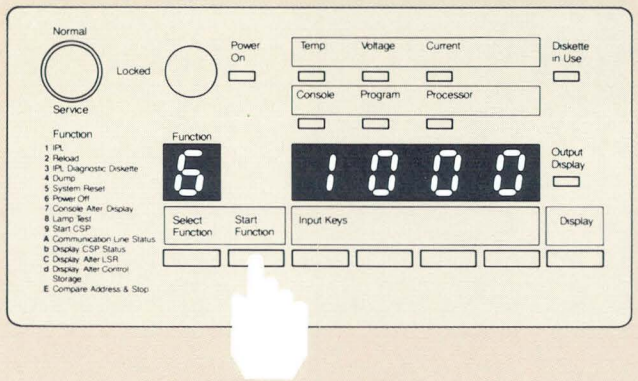
6.C

Step 1. Turn off the computer.

a. Press the Select Function key until 6 appears.



b. Press the Start Function key.



Section 6.C Continued

Step 2. **Select the appropriate path for the feature you are having the problem with.**

MAIN STORAGE

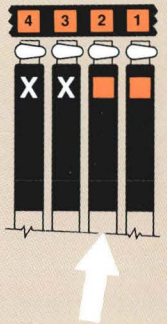
WORK STATION

COMMUNICATIONS

Step 5.

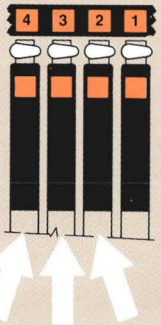
Step 7.

Step 3. **Check the location of each orange ■ card. The following example shows three possibilities:**



One feature card installed.

Two feature cards installed.



Three feature cards installed.

Do you have the cards in the correct slots?

YES

Step 10.

NO

Step 4.

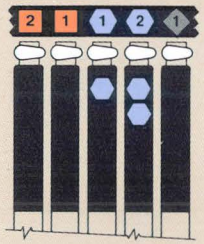
Section 6.C Continued

Step 4. Review the following instructions before returning to 2.1 .

a. Review 2.1 through 2.5 then put the card(s) into the correct slot(s).

b. Go to Step 11 in this section.

Step 5. Check the location of each blue card.



Do you have the blue cards in the correct slots?

YES

Step 10.

NO

Step 6. Review the following instructions before returning to 3.1 .

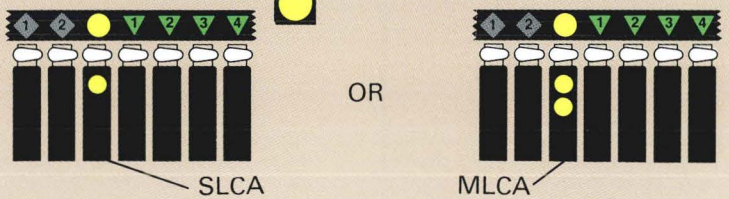
a. Review 3.1 through 3.5 ; then put the card(s) into the correct slot(s).

b. Go to step 11 in this section.

Section 6.C Continued

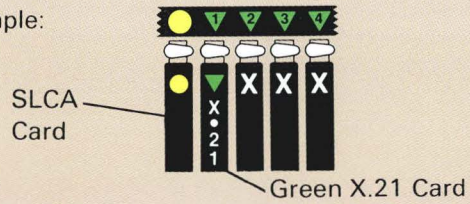
Step 7. Check the following.

- **You can have a yellow SLCA card or yellow MLCA card in the yellow slot.**



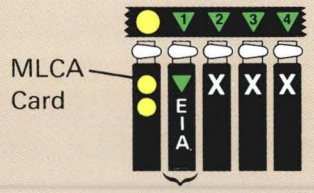
- **You can *have only one* green card inserted into slot using the SLCA card.**

Example:

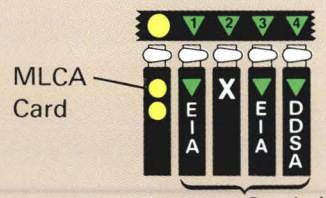


- **You can have from one to four green cards inserted in the green slots, using the MLCA card.**

Example: one green card



Example: more than one green card



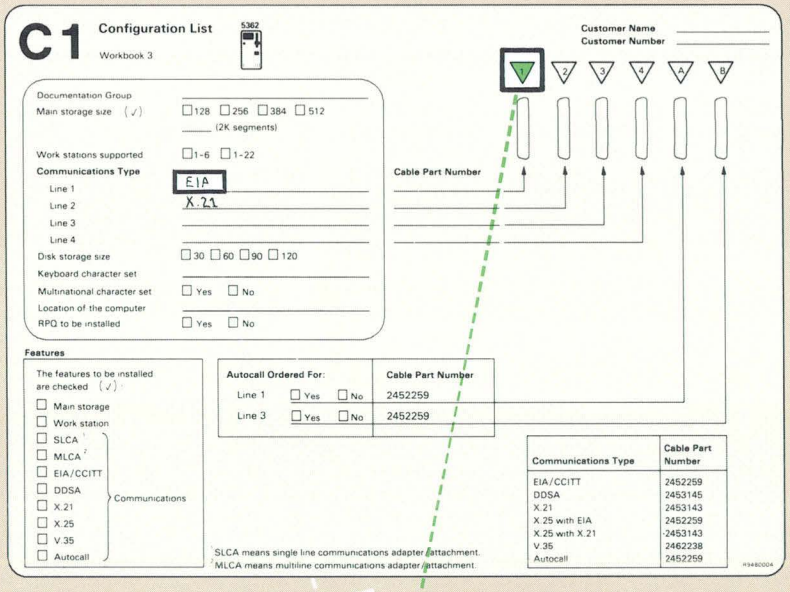
Do you have the correct yellow card and correct number of green cards inserted?

YES → **Step 8.**

NO → **Step 10.**

Section 6.C Continued

Step 8. Do you have the correct communications types in the correct line number slot?



C1 Configuration List

Workbook 3

5362

Customer Name

Customer Number

Documentation Group

Main storage size (✓) ☐128 ☐256 ☐384 ☐512

_____ (2K segments)

Work stations supported ☐1-6 ☐1-22

Communications Type — **Cable Part Number**

Line 1 EIA

Line 2 X.21

Line 3

Line 4

Disk storage size ☐30 ☐60 ☐90 ☐120

Keyboard character set

Multinational character set ☐ Yes ☐ No

Location of the computer

RPQ to be installed ☐ Yes ☐ No

Features

The features to be installed are checked (✓)

☐ Main storage

☐ Work station

☐ SLCA [1]

☐ MLCA [2]

☐ EIA/CCITT

☐ DDSA

☐ X.21

☐ X.25

☐ V.35

☐ Autocall

} Communications

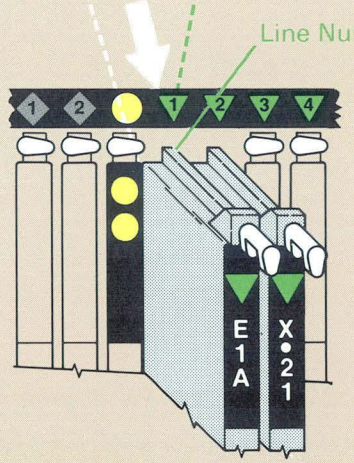
Autocall Ordered For:			Cable Part Number
Line 1	☐ Yes	☐ No	2452259
Line 3	☐ Yes	☐ No	2452259

Communications Type	Cable Part Number
EIA/CCITT	2452259
DDSA	2453145
X.21	2453143
X.25 with EIA	2452259
X.25 with X.21	2453143
V.35	2462238
Autocall	2452259

[1] SLCA means single line communications adapter attachment.

[2] MLCA means multiline communications adapter attachment.

R3480004



YES → **Step 10.**

NO → **Step 9.**

Section 6.C Continued

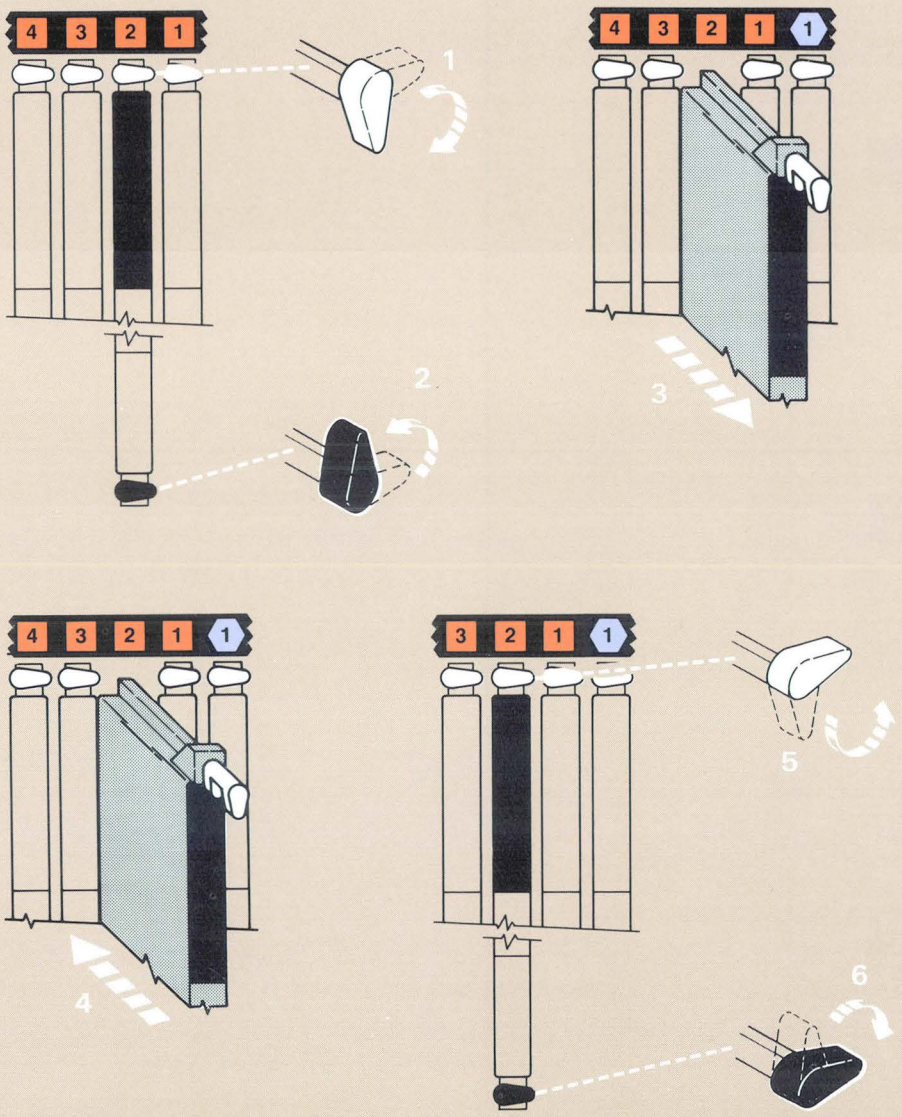
Step 9.

a. Review **4.1** through **4.27** .

b. Go to step 11.

Section 6.C Continued

Step 10. Remove each card one at a time and reinsert. Make sure the card snaps in tightly.

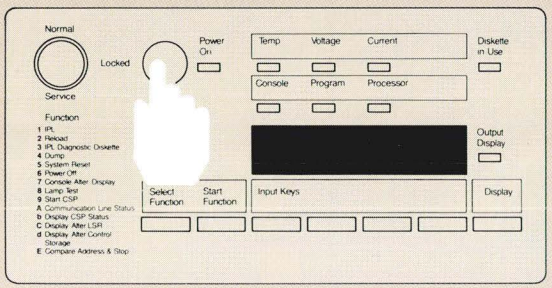


The shape and color of the label shown in the example step 10 might be different from the shape and color of the label on the feature you are checking.

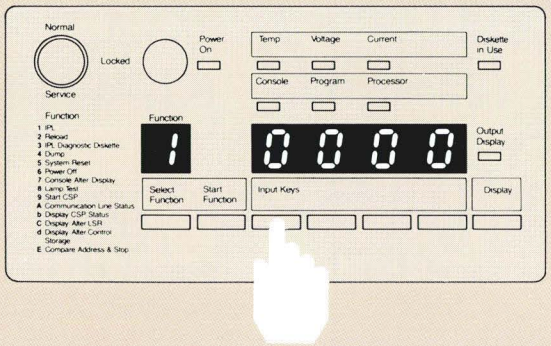
Section 6.C Continued

Step 11. Turn on the computer.

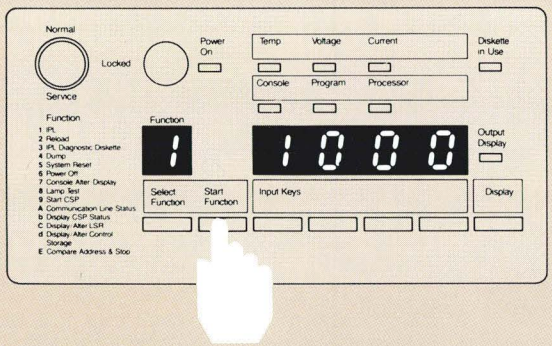
a. Press the Power key.



b. Enter 1000 by pressing the first Input key.



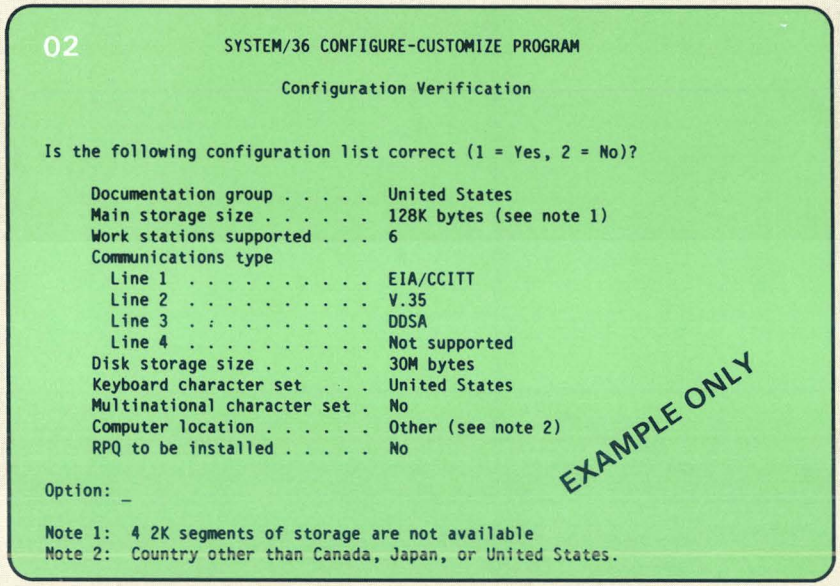
c. Press the Start Function key.



Wait five-minutes and then go to 12.

Section 6.C Continued

Step 12. Go to the system console. Display 02 appears in about five to ten minutes.

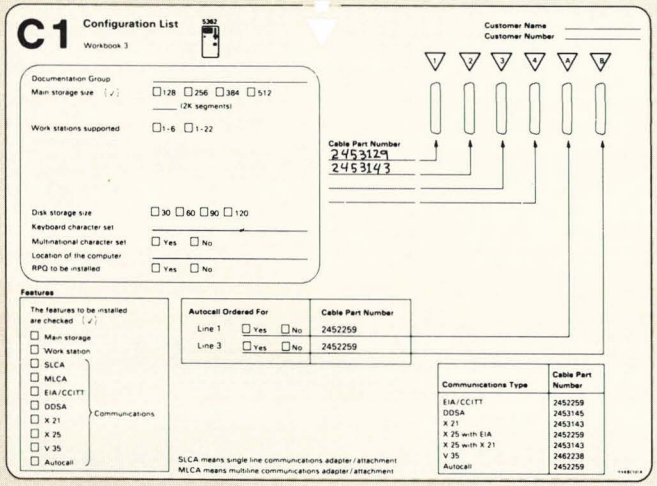


Section 6.C Continued

Step 13. Compare the feature portion that you had trouble with on display 02 to the feature portion on Form C1.

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

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

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

Option: _

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

EXAMPLE ONLY



Now do they match?

YES → **Step 14.**

NO → **Step 15.**

Section 6.C Continued

Step 14. Go to the feature you are working with.

MAIN STORAGE FEATURE	WORK STATION FEATURE	COMMUNICATIONS FEATURE
2.12	3.13	4.31

Step 15. Call your service representative and report the problem.

Step 16. Do you have another feature to install?

YES

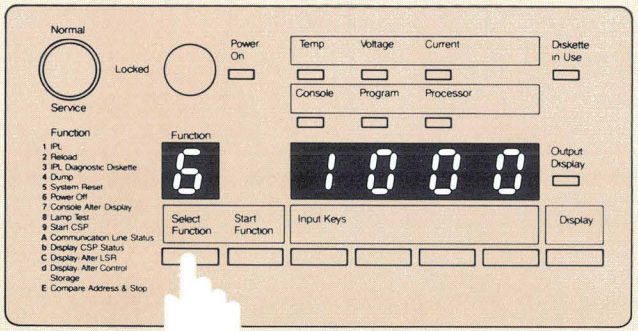
NO

Step 19.

Step 17. Turn off the computer.

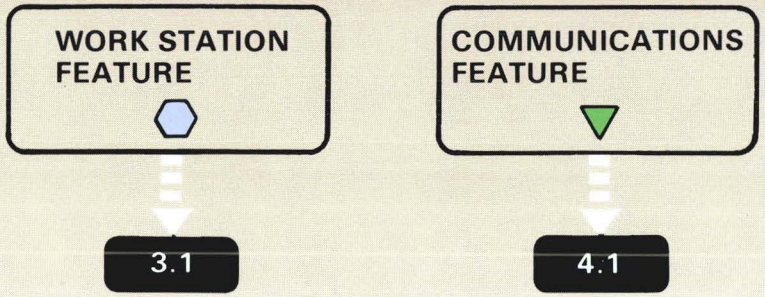
a. Press the Select Function key until 6 appears.

b. Press the Start Function key.



Section 6.C Continued

Step 18. Go to the next feature to be installed.



Step 19. Select the appropriate path.

You have **INSTALLED A FEATURE ONLY**
This means you installed a feature on a computer that has been set up and running for some time.

→ **Step 21.**

You are **SETTING UP** and have **INSTALLED A FEATURE**
This means you are both setting up the computer and have installed a feature for the first time.

Step 20. Go to Section 6 in the *Setting Up Your Computer* manual.

Step 21. Close the feature cover and resume normal system operation until your service representative arrives.

Note: A new feature can be installed later.

Step 14. Go to the feature you are working with.

MAIN STORAGE FEATURE	WORK STATION FEATURE	COMMUNICATIONS FEATURE
2.12	3.13	4.31

Step 15. Call your service representative and report the problem.

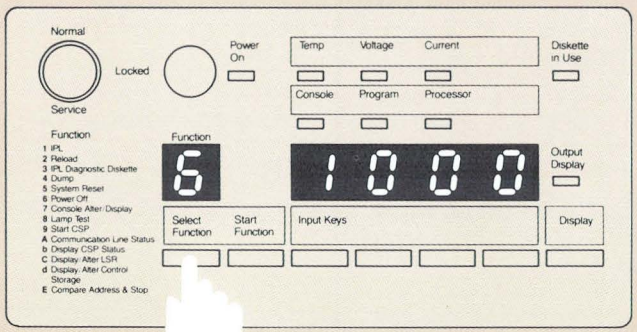
Step 16. Do you have another feature to install?

Step 19.

Step 17. Turn off the computer.

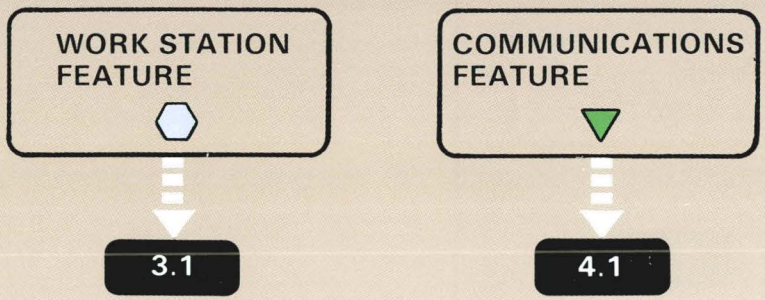
a. Press the Select Function key until 6 appears.

b. Press the Start Function key.



Section 6.C Continued

Step 18. Go to the next feature to be installed.



Step 19. Select the appropriate path.

You have **INSTALLED A FEATURE ONLY**
This means you installed a feature on a computer that has been set up and running for some time.

→ **Step 21.**

You are **SETTING UP** and have **INSTALLED A FEATURE**
This means you are both setting up the computer and have installed a feature for the first time.

Step 20. Go to Section 6 in the *Setting Up Your Computer* manual.

A new feature can be installed later.

Step 21. Close the feature cover and resume normal system operation until your service representative arrives.

Note: A new feature can be installed later.

5030 COMMUNICATIONS ERROR

6.D

5030

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

Action:

1. Check the wrap connector connection again. If you have the Autocall feature, also check the cable(s) connected to sockets A and B.

2. Check that the communications cable(s) is connected to the computer.

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

4. If 5030 is displayed again, record the error message, select option 0 on display 72, and press the Enter/Rec Adv key to bypass the error condition. The checkout program tests the next line. When the last line has been tested, display 73 appears.

   When you have completed this section, call your service representative and report the problem.

5. Return to **5.21**.

6.E

To find the system reference code, scan the code column. When you find the code, perform the action to recover from the cause. Then try the operation you were performing again.

Code Column

0005

Cause: The keystroke was invalid or the cursor was not in an input field.

Action: Press the Error Reset key and the Erase Input/Home key.

0012

Cause: The computer tried to insert a character in the last position of a field or the last position of every field needs to be blank.

Action: Press the Error Reset key.

0016

Cause: The Field Minus key [Field −] was pressed in a nonsigned numeric field.

Action: Press the Error Reset key.

A system reference code can appear on the computer output display or system console. If you see a display code on your computer that is not in this section, see the manual, *System Messages,* SC21-7938.

Section 6.E Continued

0019

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

Action: Press the Error Reset key.

2415

Cause: A hardware configuration change and a reload of the SSP was attempted at the same time.

Action: Install the SSP first, then the feature(s) and try again. Refer to the *Installing Your Feature* manual to make sure the feature installation is correct. Try the reload of the SSP again. If you get the same reference code again, call your hardware service representative.

2455

Cause: A hardware error occurred.

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

2457

Cause: The wrong diskette was inserted.

Action: Insert the correct diskette and try again. If you get the same reference code again, call your programming service representative.

Section 6.E Continued

24A2

Cause: The wrong diskette was inserted.

Action: Make sure you are using the diskette that came with the feature. Insert the correct diskette and try again. If you get the same reference code again, call your program support representative. You can still use the system as it was being used before this reference code appeared by returning the system to its original status and continuing.

Section 6.E Continued

2400
2401
2402
2403
2404
2405
240A
240C
240F
2450
2451
2452
2453
2456
24A3
24A5
24A6
24A7
24A8
24A9
24AA
24AC

Cause: An IBM program error occurred.

Action: Call your programming service representative. You can still use the system as it was being used before this reference code appeared by returning the system to its original status and continuing.

Section 6.E Continued

2416
2417

Cause: A hardware error occurred.

Action: Call you hardware service representative. You can still use the system as it was being used before this reference code appeared by returning the system to its original status and continuing.

240E
24A0
24A1
24AE
24AF
24CO
24C1
24C2
24C3
24C5
24FF
2454

Cause: An IBM program error occurred.

Action: Call your programming service representative. You probably cannot use the system because of this reference code.

Section 6.E Continued

5030

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

Action:

1. Check the wrap connector connection again. If you have the Autocall feature, also check the cable(s) connected to sockets A and B.

2. Check that the communications cable(s) is connected to the computer.

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

4. If 5030 is displayed again, record the error message, select option 0 on display 72, and press the Enter/Rec Adv key to bypass the error condition. The checkout program will test the next line. When the last line has been tested, display 73 appears.

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

5. Return to **5.21**.

Section 6.E Continued

5099

Cause: Diskette 1 is removed or incorrectly inserted.

Action:

1. Insert diskette 1 and try again.
2. If you get the same reference code again, call your hardware service representative.

50CE

Cause: The disk assembly in your computer is not working correctly.

Action: Call your hardware service representative and report the problem.

Appendix A. Removing or Changing a Feature

A.1

The computer will not recognize a removed or a changed feature until information about the change is loaded into the computer. This process is called configure-customize and must be performed when you remove or change a feature.

To perform configure-customize, you will need the latest level of diskettes 1, 2, and 3.

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

The entire configure-customize process will take about 15 minutes.

A.2

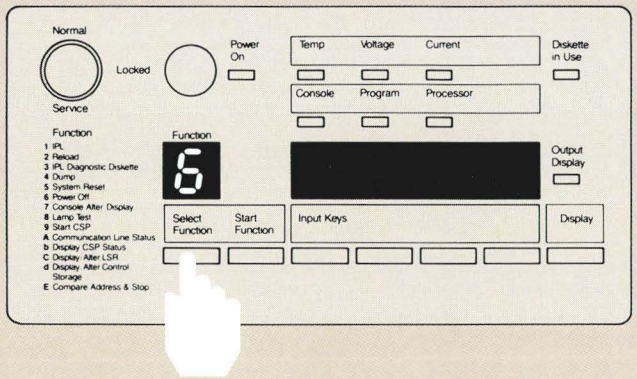
If you are removing or changing a feature on an operating System/36, check with the system operator to make sure that all jobs have been completed before turning off the computer.

An operating System/36 is a system that is set up and is processing data for your business.

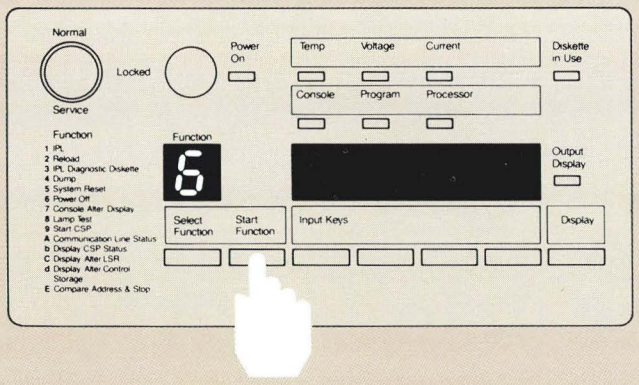
A.3

Turn off the computer.

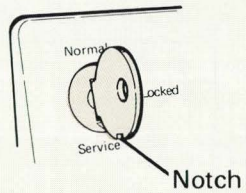
a. Press the Select Function key until 6 appears.



b. Press the Start Function key.

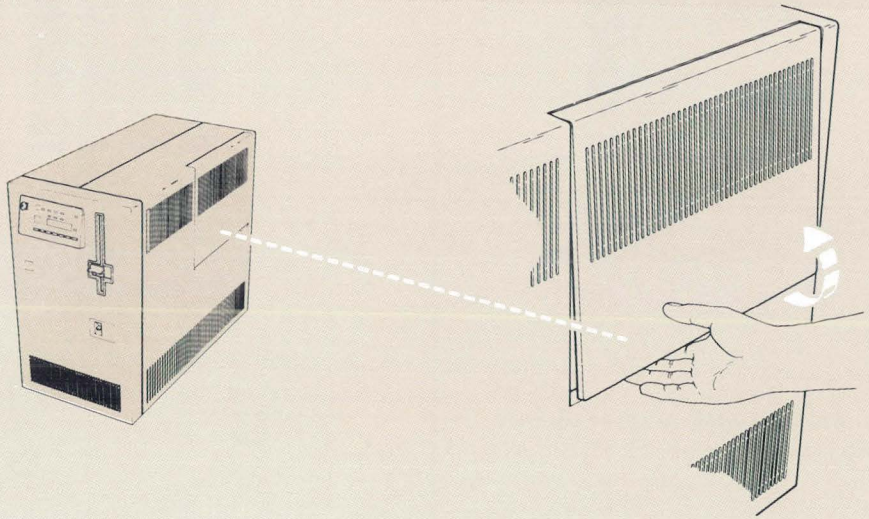


Make sure the security lock is in the Service position. If the security lock is not in the Service position, turn it to the Service position. The security lock is in the Service position when the triangle ▽ and the notch in the key are pointing toward the Service position.



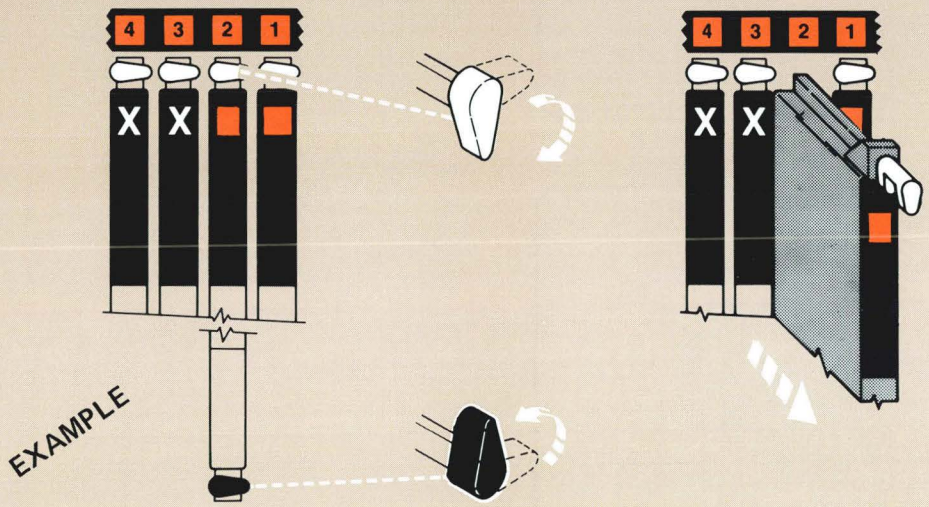
A.4 Leave the system console turned on.

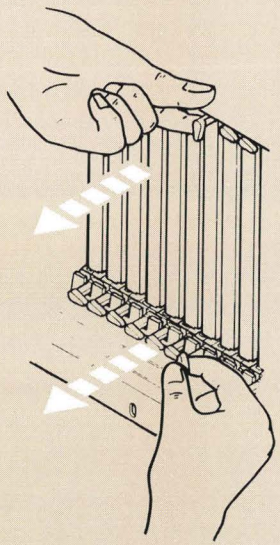
A.5 Open the customer access cover.



A.6

Remove the appropriate feature card(s).

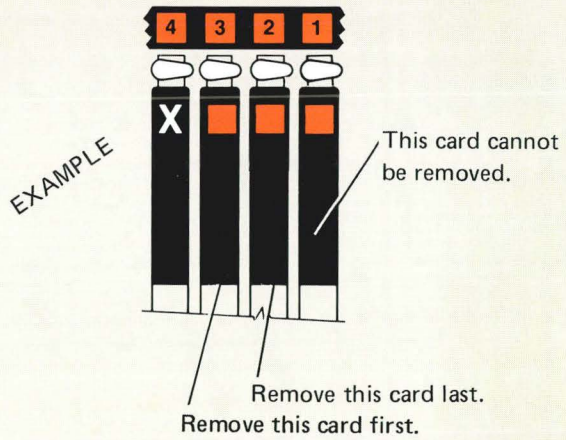




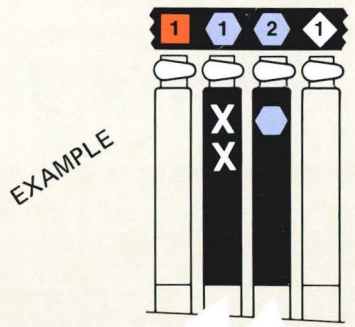
IMPORTANT: Always remove a card as shown.

IMPORTANT:

- Main storage feature cards should be removed in sequence, from left to right, beginning with the highest number.

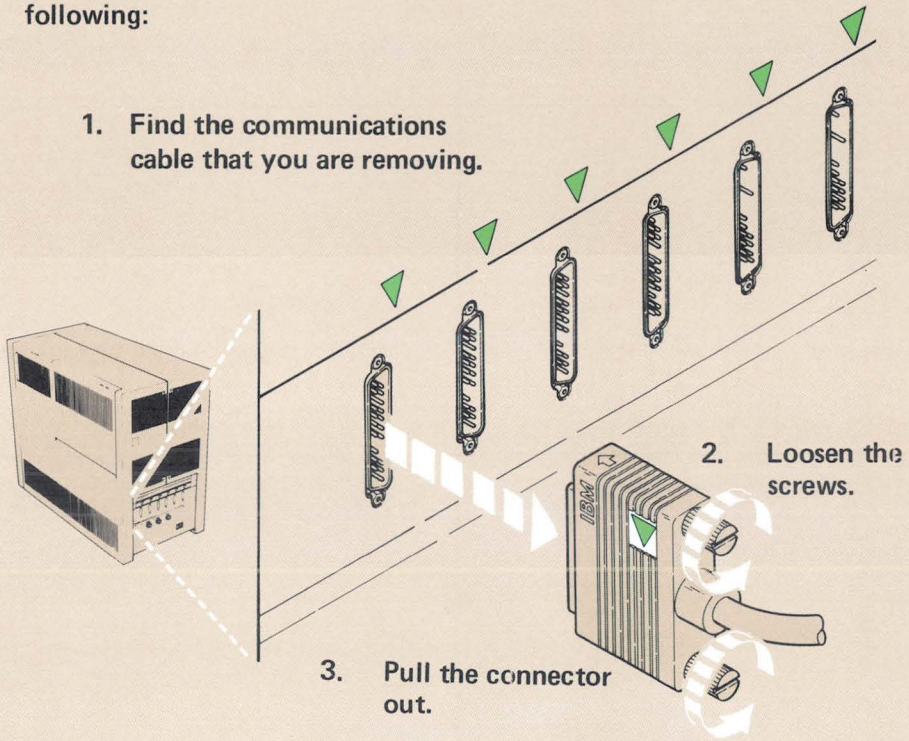


- When removing the work station feature card, you must move the ⬡ card back to slot 2 and reinsert the X X card, as shown.



A.7

If you have removed a communications feature card, you might also want to remove the communications cable. If so, do the following:



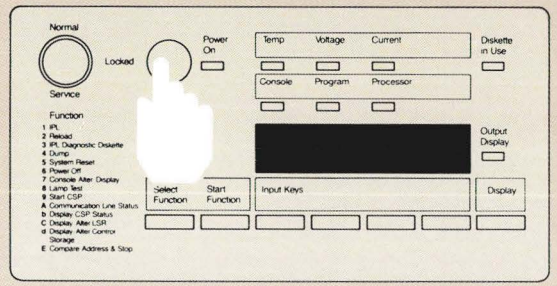
A.8

Insert diskette 1.

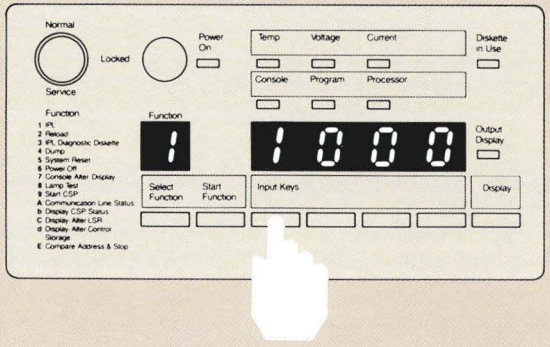
A.9

Turn on the computer.

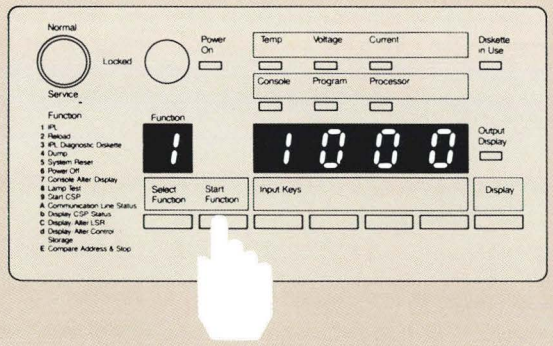
a. Press the Power key.



b. Enter 1000 by pressing the first Input key.



c. Press the Start Function key.



Go to A 10 .

1000 is a special code that the computer uses when the security key is in the Service position. The code, which means the computer is working, remains displayed during checkout or until a system reference code is displayed.

A.10

Go to the system console. Display 02 appears in about five to ten minutes.

```
                SYSTEM/36 CONFIGURE-CUSTOMIZE PROGRAM

                      Configuration Verification


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

Option: _

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

EXAMPLE

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

Is display 02 displayed on the system console?

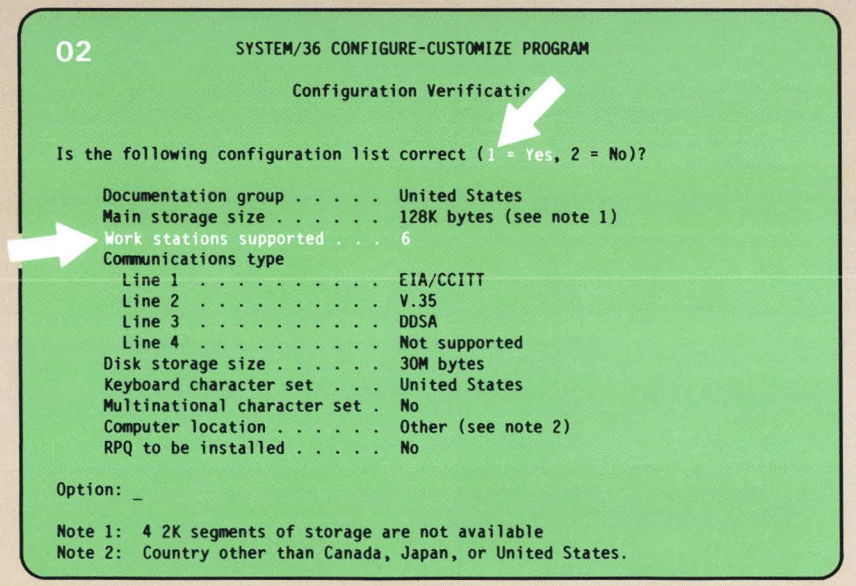
YES → A.11

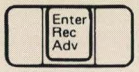
NO → 6.A

The computer takes about five to ten minutes to check itself to make sure it is ready to operate.

A

A.11

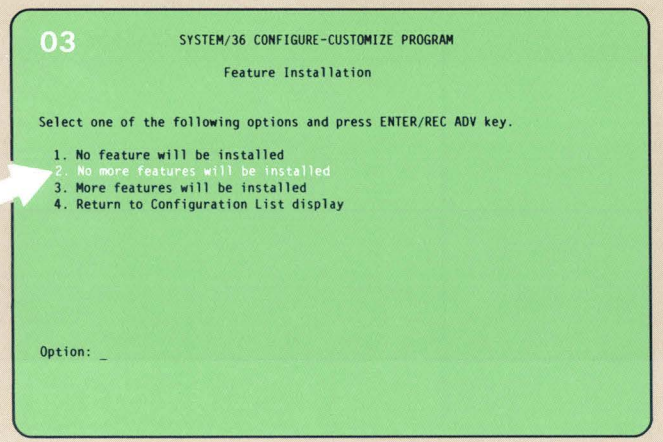


Select option 1 on display 02 and press the 

key. Display 03 appears.

You should verify that all changes on display 02 are correct. For example, if you removed the work station feature, display 02 should show six work stations are supported.

A.12



EXAMPLE

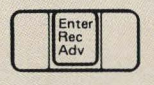
Select option 2 on display 03 and press the Enter Rec Adv key. Display 16 appears.

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

A

A.13

```
SYSTEM/36 CONFIGURE-CUSTOMIZE PROGRAM

Diskette 2

Do the following.

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

Insert diskette 2 and press the 

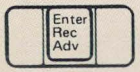
key. Display 20 appears.

```
SYSTEM/36 CONFIGURE-CUSTOMIZE PROGRAM

Program in Process

The program is processing!  Please wait!
```

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

A.14

```
SYSTEM/36 CONFIGURE-CUSTOMIZE PROGRAM

Diskette 3

Do the following.

     Insert diskette 3.
     Press the ENTER/REC ADV key.
```

Insert diskette 3 and press the 

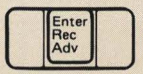
key. Display 20 appears.

```
SYSTEM/36 CONFIGURE-CUSTOMIZE PROGRAM

Program in Process

The program is processing!  Please wait!
```

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

A.15

```
16          SYSTEM/36 CONFIGURE-CUSTOMIZE PROGRAM

                          Diskette 2

Do the following.

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

Insert diskette 2 and press the 

key. Display 20 appears.

```
20          SYSTEM/36 CONFIGURE-CUSTOMIZE PROGRAM

                        Program in Process

The program is processing!  Please wait!
```

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

A.16

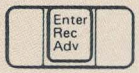
```
17          SYSTEM/36 CONFIGURE-CUSTOMIZE PROGRAM
                          Diskette 3

Do the following.

     Insert diskette 3.
     Press the ENTER/REC ADV key.
```

Insert diskette 3 and press the

key. Display 20 appears.

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

The program is processing!  Please wait!
```

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

- **Do not press the** 

key.
- **Go to A.17 .**

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

You have completed configure-customize.
Insert diskette 1.

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

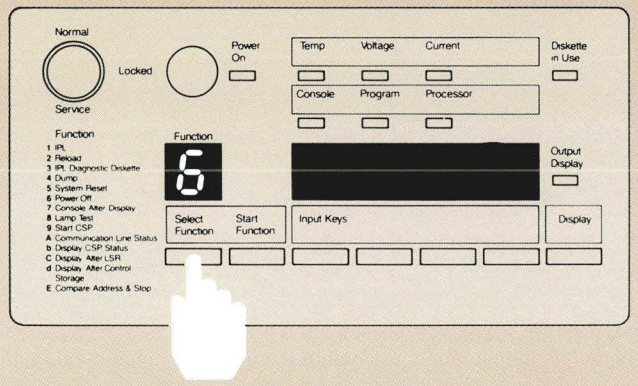
A

A.17

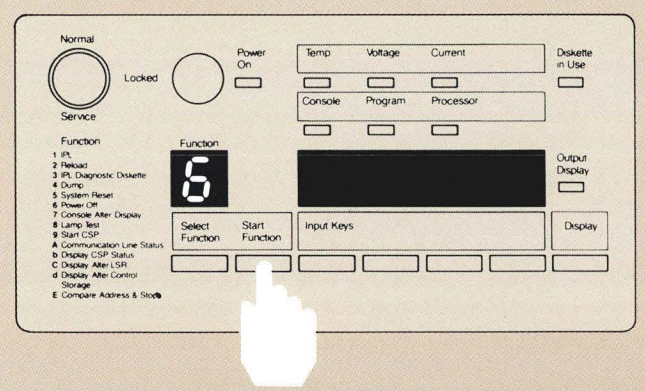
You have completed configure-customize. Do the following:

1. **Turn off the computer.**

   a. Press the Select Function key until 6 appears.



   b. Press the Start Function key.



2. **Close the customer access cover.**

3. **Put this manual and diskettes 1, 2, and 3 in their storage box and keep it near the planning packet, *What To Do Before Your Computer Arrives,* SBOF-4778.**

4. **Resume normal system operation.**

Leave the system console turned on.

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

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