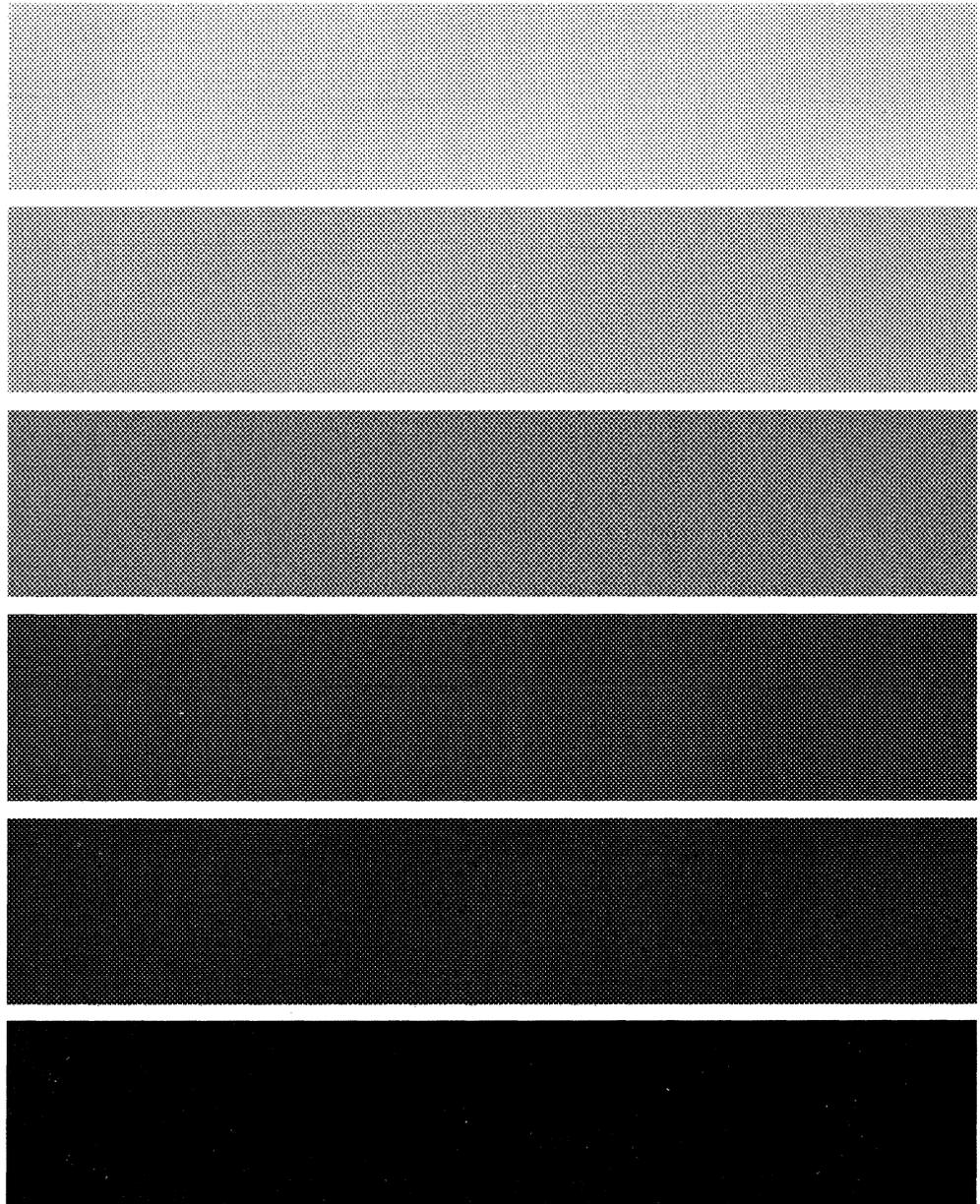




Diskette Drive

Installation and Removal Instructions



Third Edition (May 1989)

This edition obsoletes and replaces GA23-0263-1.

Changes are made periodically to the information herein; before using this publication in connection with the operation of IBM systems, consult the latest *IBM System/370, 30xx, and 4300 Processors Bibliography*, GC20-0001, for the editions that are applicable and current.

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The following warning statements (required by country regulatory agencies) are applicable in the countries indicated.

United States

Warning. This equipment generates, uses, and can radiate radio frequency energy and if not installed and used in accordance with the instructions manual may cause interference to radio communications. It has been tested and found to comply with the limits for a Class A computing device pursuant to Subpart J of Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference when operated in a commercial environment. Operation of this equipment in a residential area is likely to cause interference in which case the user at his own expense will be required to take whatever measures may be required to correct the interference.

Additional IBM Statement

This warning is also applicable to all attaching units produced for use in the U.S.A. that have been manufactured after December 31, 1980. A notice of compliance has been affixed within the customer access area of all affected units.

Instructions to User:

Properly shielded and grounded cables and connectors must be used for connection to peripherals in order to meet FCC emission limits. Proper cables are available through IBM marketing channels, or from dealers of computer accessories. IBM is not responsible for any radio or television interference caused by using other than recommended cables or by unauthorized modifications to this equipment. It is the responsibility of the user to correct such interference.

United Kingdom

Warning: This IBM product is made to high Safety standards. It complies inherently with Telecommunications safety standard BS6301. It is not designed to provide protection from excessive voltages appearing externally at its interfaces. Therefore, when this product is connected to a public telecommunications network via any other equipment, and you connect to this product items not supplied by IBM United Kingdom Ltd., you must comply with mandatory telecommunications safety requirements.

You may do this either by choosing products which also are approved as complying to BS6301 or British Telecom Technical Guide No. 26, or by the use of approved safety barriers. Consult the local office of your public telecommunications operator, for advice and permission to make the connections.

Canadian Department of Communications compliance statement

This equipment does not exceed Class B limits per radio noise emissions for digital apparatus, set out in the Radio Interference Regulation of the Canadian Department of Communications. Operation in a residential area may cause unacceptable interference to radio and TV reception requiring the owner or operator to take whatever steps are necessary to correct the interference.

Avis de conformité aux normes du ministère des Communications du Canada

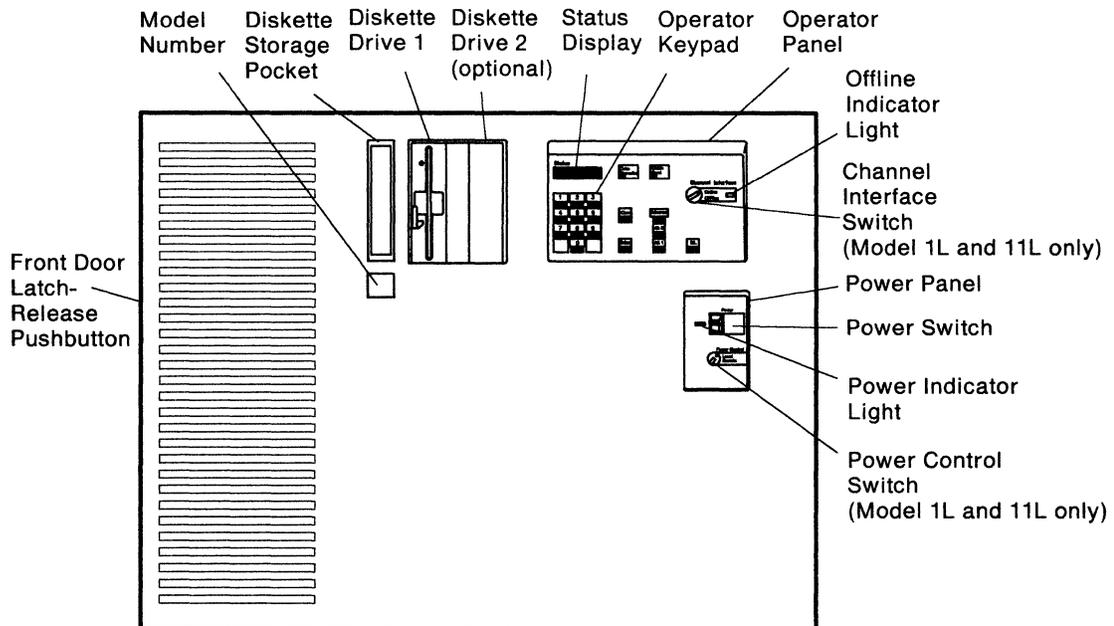
Cet équipement ne dépasse pas les limites de Classe B d'émission de bruits radioélectriques pour les appareils numériques, telles que prescrites par le Règlement sur le brouillage radioélectrique établi par le ministère des Communications du Canada. L'exploitation faite en milieu résidentiel peut entraîner le brouillage des réceptions radio et télé, ce qui obligerait le propriétaire ou l'opérateur à prendre les dispositions nécessaires pour en éliminer les causes.

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Diskette Drive Installation in a 3174 Model 1L, 1R, 2R, 3R, 11L, 11R, 12R, or 13R

Before beginning, note the location of the controller's basic components in the following figure.



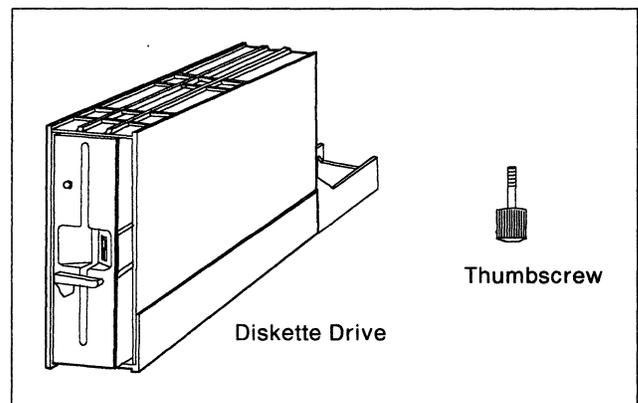
1

Do you have the required items shown, in the kit?

YES Continue with the next step.

NO Discontinue this procedure until you have the required items.

Note: For testing, you will also need a Utility diskette that supports all of the features installed on this controller.

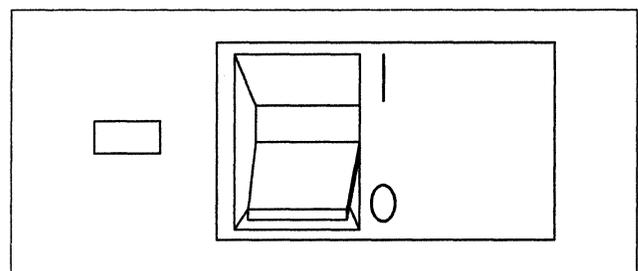


2

Is the controller power switch switched off?

YES Go to step 6 on page 2.

NO Follow your company's procedures to notify users and to have this controller taken offline before continuing with the next step.

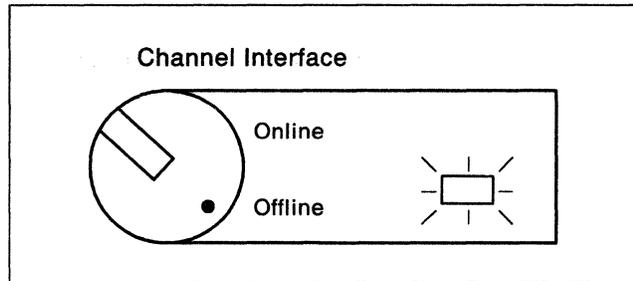


3

Does this controller have a Channel Interface switch on the operator panel?

YES Set the Channel Interface switch to **Offline**, wait for the Offline Indicator light to come on, and continue with the next step.

NO Go to step 5 on this page.

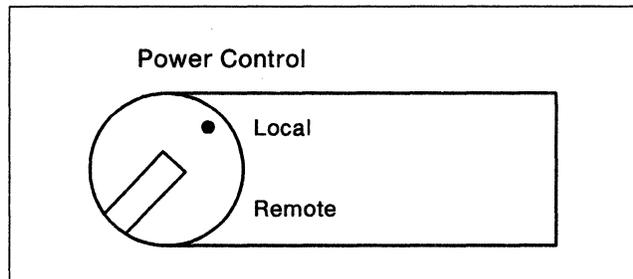


4

Is the Power Control switch set to **Local**?

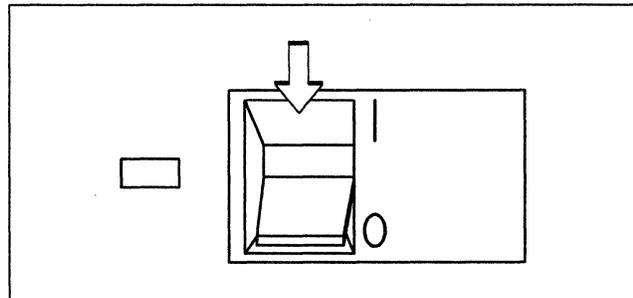
YES Continue with the next step.

NO Set the Power Control switch to **Local**.



5

Press the power switch to **O** (Off).



6

Does your controller have a metallic, waterproof-type power plug?

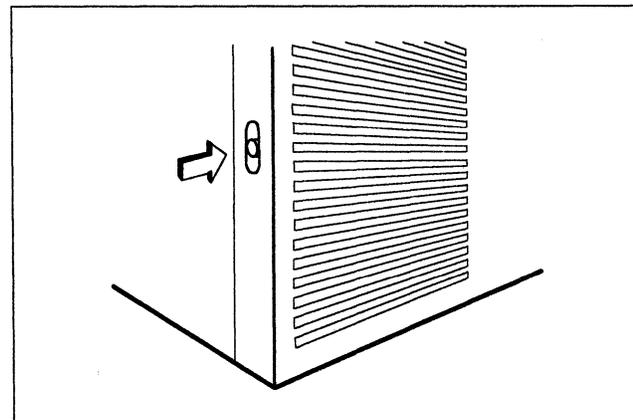
YES CAUTION:

If your machine has a metallic, waterproof-type power plug, do not attempt to disconnect it. Instead, have a qualified electrician disconnect the plug. (For translations of this safety notice, see Safety Notice 2 in IBM 3174 Safety Notices, GA27-3824.)

NO Unplug the controller power plug.

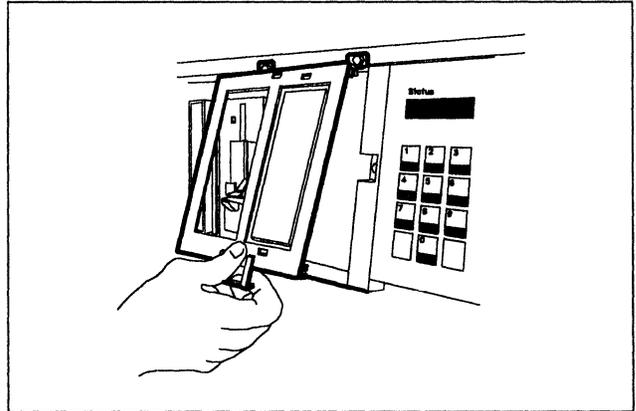
7

Press the latch-release button on the left edge of the front door, and open the door.



8

Grip the bottom of the frame in front of the diskette drive area and bend it slightly. Pull it out and up, and set it aside temporarily.

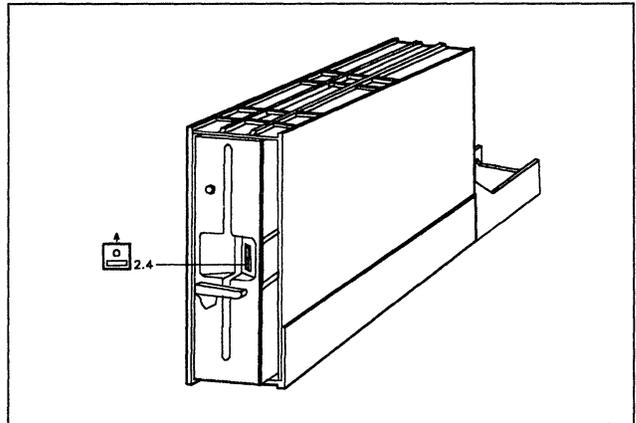


9

Is the drive from the kit labeled 2.4?

YES Continue with the next step.

NO Go to step 21 on page 6.

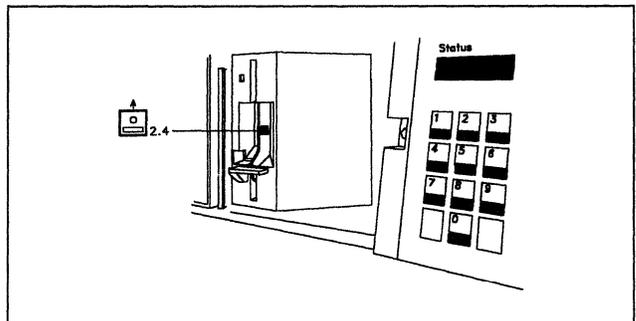


10

Is drive 1 labeled 2.4?

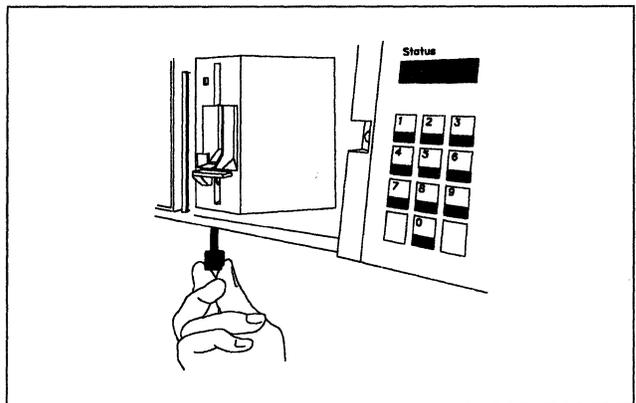
YES Go to step 18 on page 5.

NO Continue with the next step.



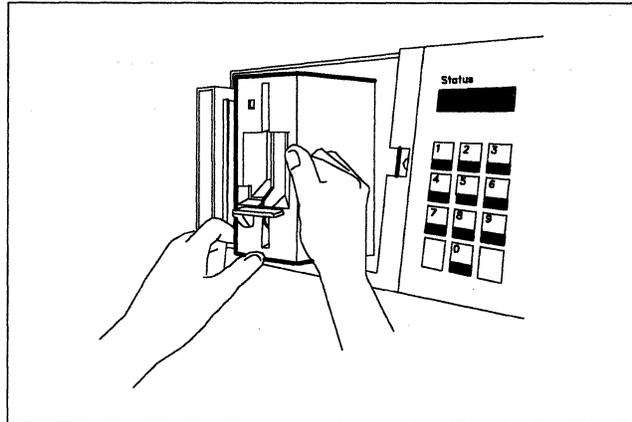
11

Remove the thumbscrew securing the drive in position 1.



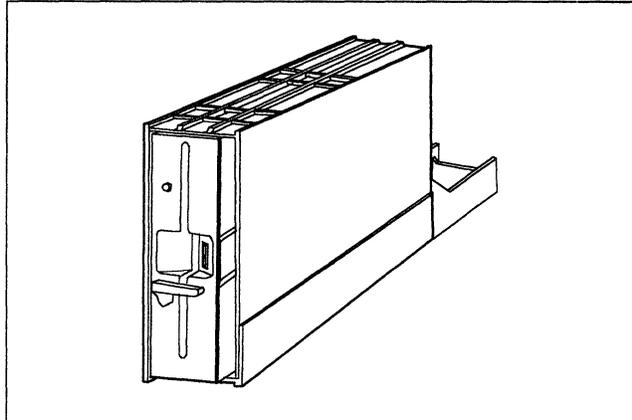
12

Slide the drive out of position 1 and set it aside temporarily



13

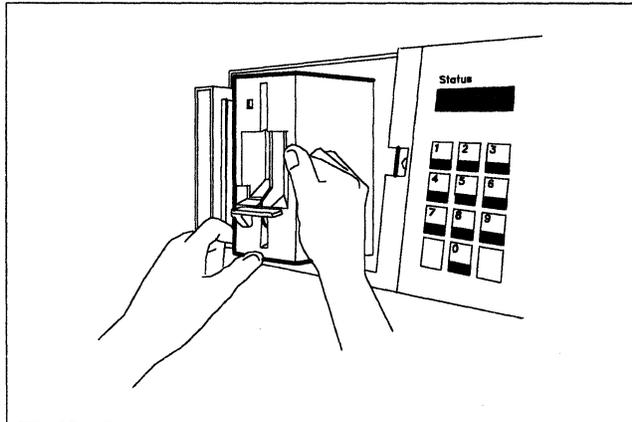
Hold the drive from the kit so the connector is at the rear and bottom.



14

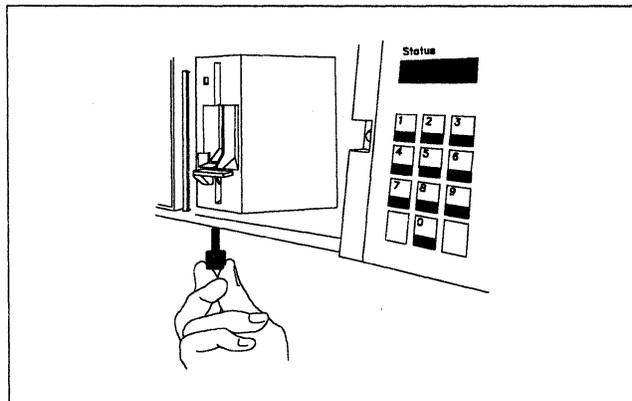
Slide the drive into position 1.

Push the drive in until the connector is fully seated in the socket.



15

Insert the thumbscrew from the kit into the hole under the drive in position 1 and tighten it.



16

Do you have another new diskette drive to install on this controller?

YES Store the drive you removed from position 1 according to your company's procedures.

Then go to step 18 on this page.

NO Continue with the next step.

17

Did your system planner instruct you to install the drive you removed from position 1 into position 2?

YES Go to step 21 on page 6.

NO Store the drive you removed from position 1 according to your company's procedures.

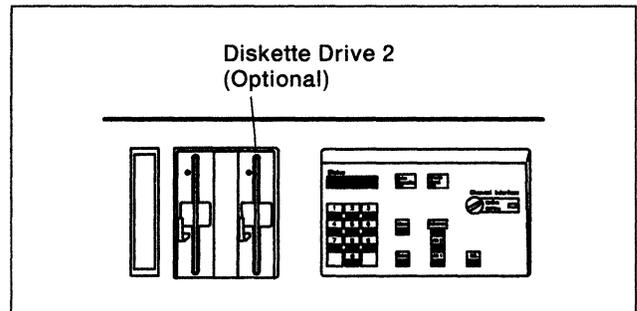
Then go to step 24 on page 6.

18

Is there a drive in position 2?

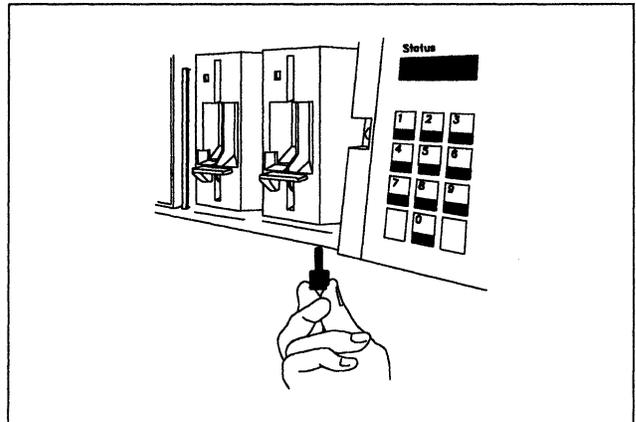
YES Continue with the next step.

NO Go to step 21 on page 6.



19

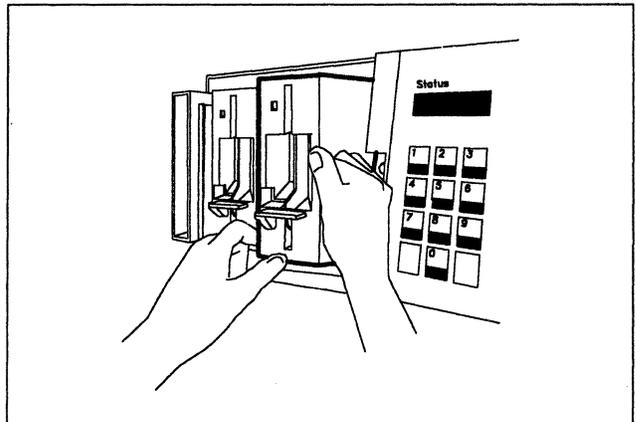
Remove the thumbscrew securing the drive in position 2.



20

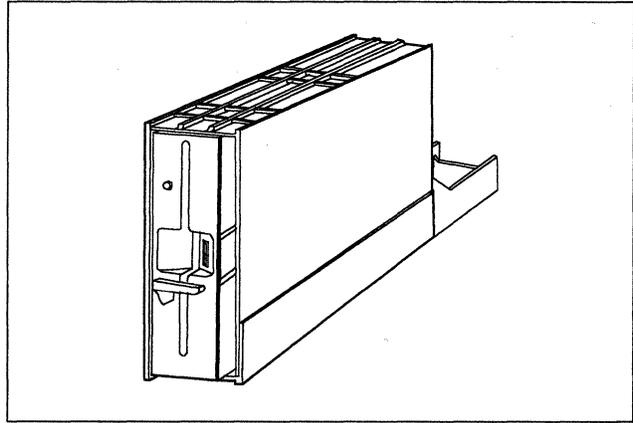
Slide the drive out of position 2.

Store the drive according to your company's procedures.



21

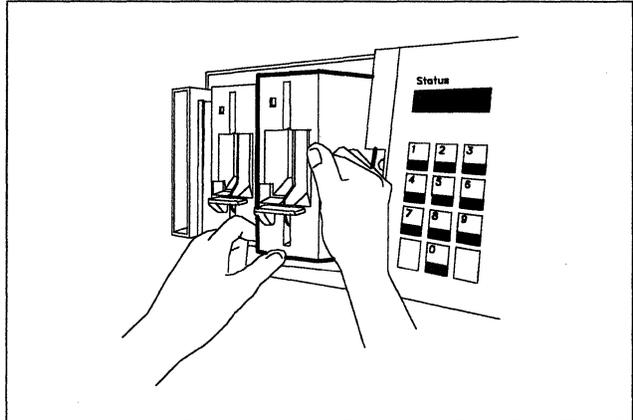
Hold the drive so the connector is at the rear and bottom.



22

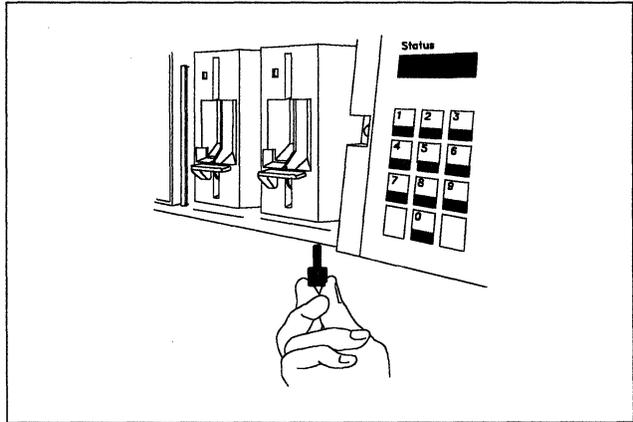
Slide the drive into position 2.

Push the drive in until the connector is fully seated in the socket.



23

Insert the thumbscrew into the hole under the drive in position 2 and tighten it.



24

If this controller now has:

One diskette drive

Go to step 26 on page 7.

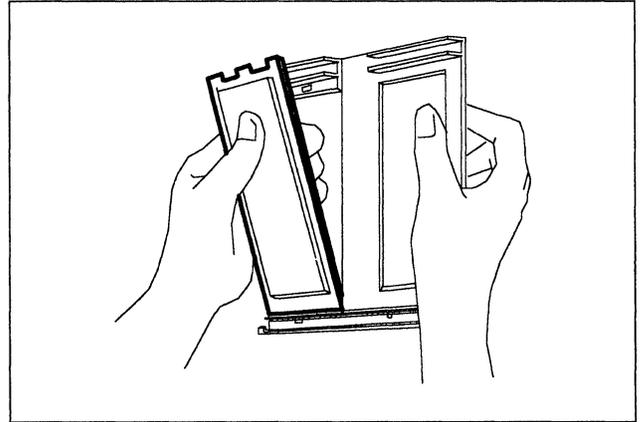
Two diskette drives

Continue with the next step.

25

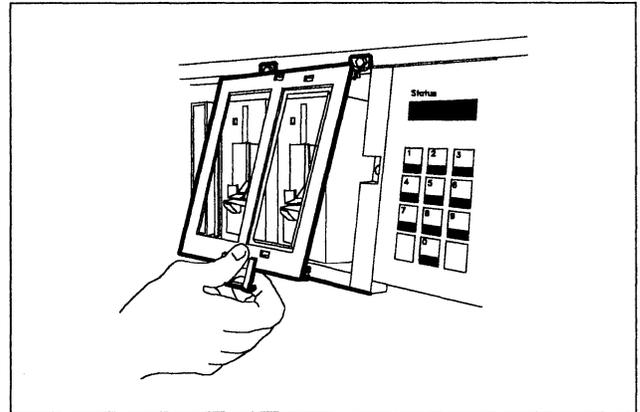
If the frame that you removed earlier has an inside section, move the inside section of the frame in the direction of the slot.

Remove the inside section from the frame.



26

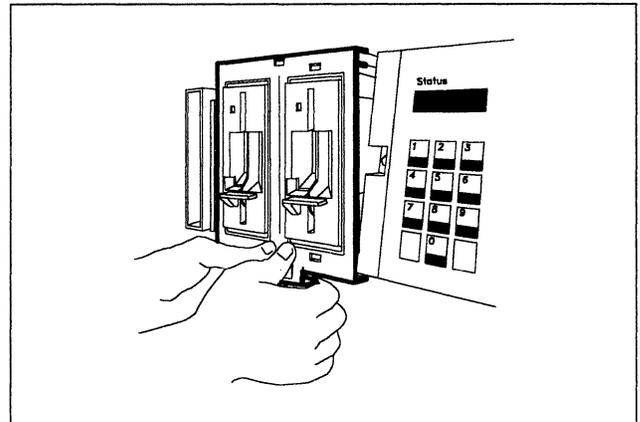
Hook the top of the frame over the diskette drive housing and allow the frame to come down over the diskette drive(s).



27

Slightly bend the frame to snap it into the retainer at the bottom.

The frame should fit snugly.



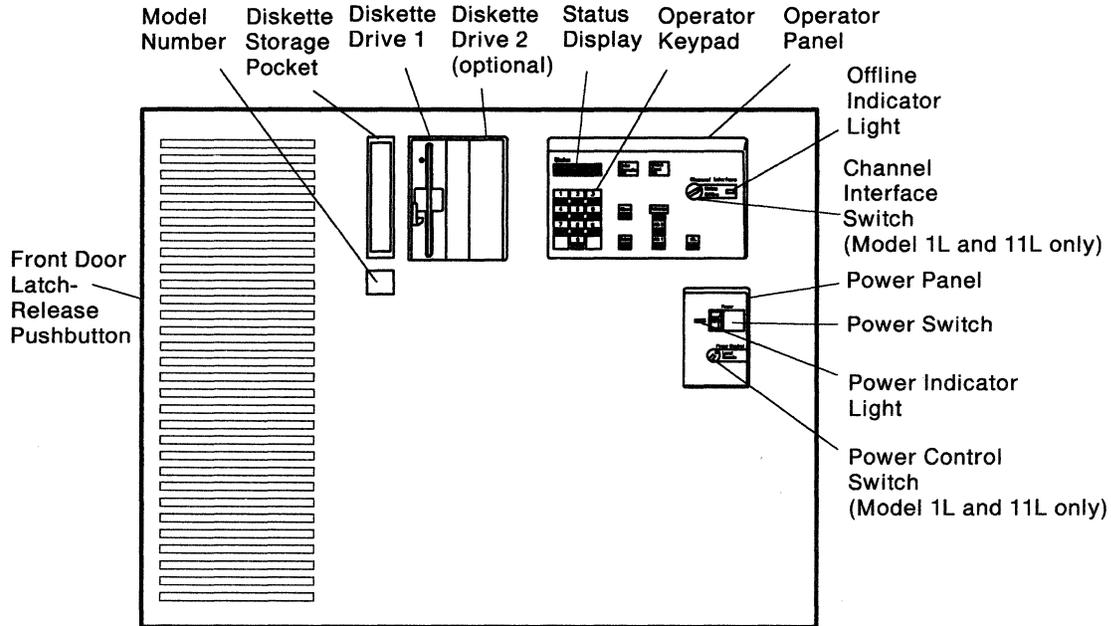
28

Close the door of the controller.

Then go to "Verification Test for Models 1L, 1R, 2R, 3R, 11L, 11R, 12R, or 13R" on page 12 to verify that this controller is operating correctly.

Diskette Drive Removal from a 3174 Model 1L, 1R, 2R, 3R, 11L, 11R, 12R, or 13R

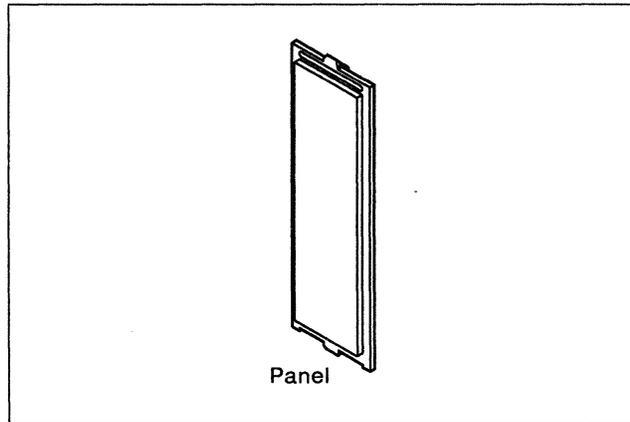
Before beginning, note the location of the controller's basic components in the following figure.



1
Do you have the required item shown, in the kit?

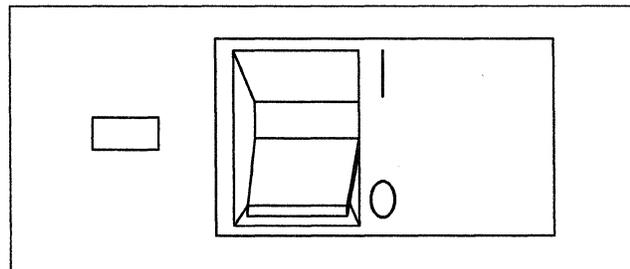
- YES** Continue with the next step.
- NO** Discontinue this procedure until you have the required item.

Note: For testing, you will also need a Utility diskette that supports all of the features installed on this controller.



2
Is the controller power switch switched off?

- YES** Go to step 6 on page 9.
- NO** Follow your company's procedures to notify users and to have this controller taken offline before continuing with the next step.

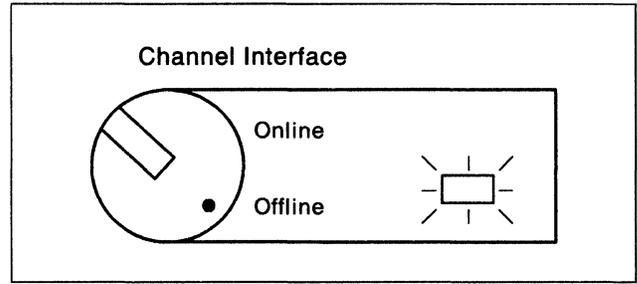


3

Does this controller have a Channel Interface switch on the operator panel?

YES Set the Channel Interface switch to **Offline**, wait for the Offline Indicator light to come on, and continue with the next step.

NO Go to step 5 on this page.

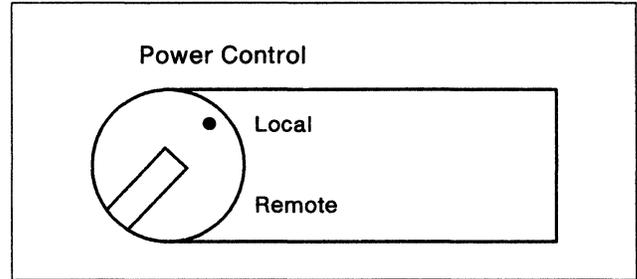


4

Is the Power Control switch set to **Local**?

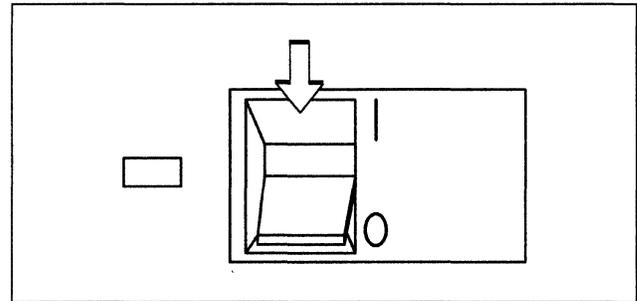
YES Continue with the next step.

NO Set the Power Control switch to **Local**.



5

Press the power switch to **O** (Off).



6

Does your controller have a metallic, waterproof-type power plug?

YES CAUTION:

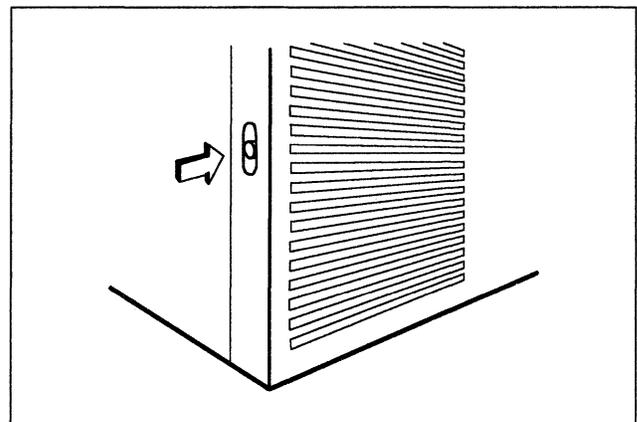
If your machine has a metallic, waterproof-type power plug, do not attempt to disconnect it.

Instead, have a qualified electrician disconnect the plug. (For translations of this safety notice, see Safety Notice 2 in *IBM 3174 Safety Notices*, GA27-3824.)

NO Unplug the controller power plug.

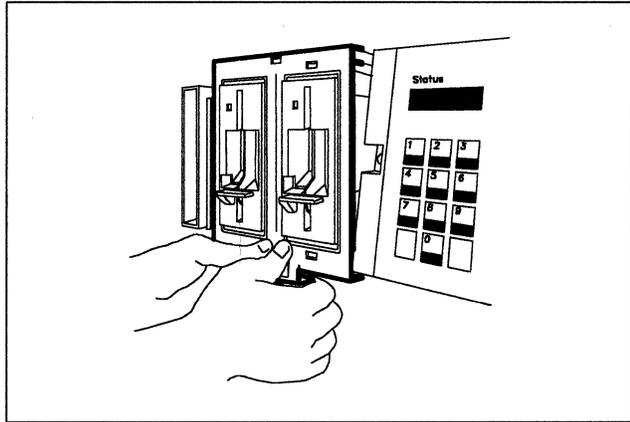
7

Press the latch-release button on the left edge of the front door, and open the door.



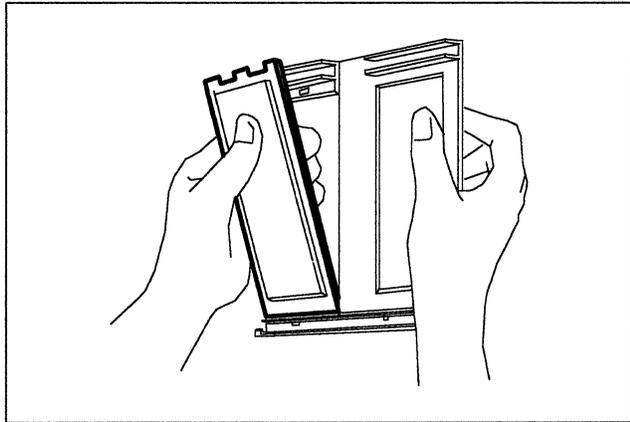
8

Grip the bottom of the frame in front of the diskette drive area and bend it slightly. Pull it out and up.



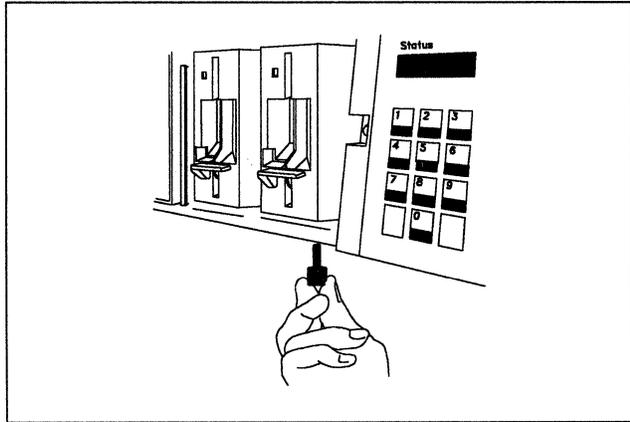
9

Hold the back of the frame toward you. Install the panel you received in the kit in the opening and set the panel aside temporarily.



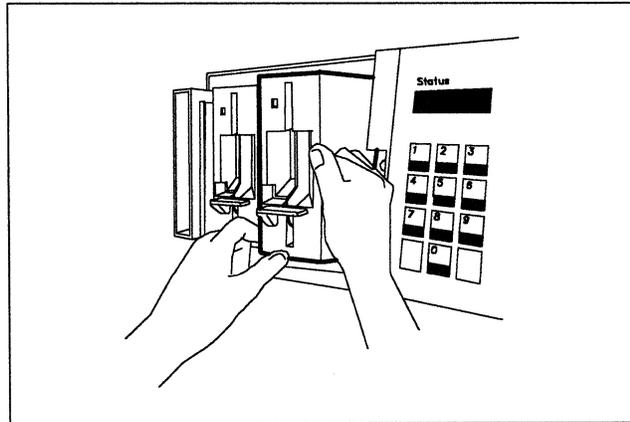
10

Remove the thumbscrew securing drive 2.



11

Slide drive 2 out and store it according to your company's procedures.



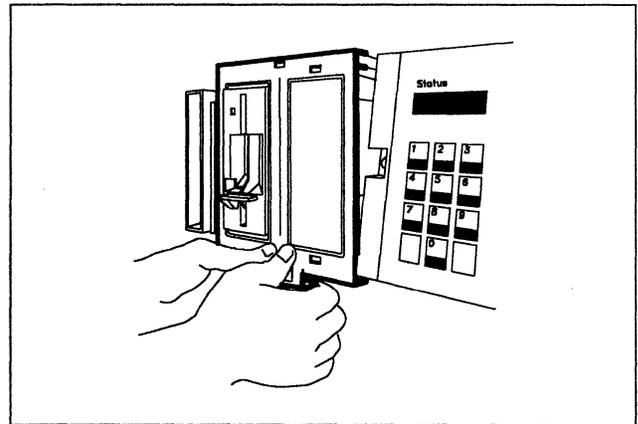
12

Hook the top of the frame over the diskette drive housing and allow the frame to come down over the diskette drive location.



13

Slightly bend the frame to snap it into the retainer at the bottom. The frame should fit snugly.



14

Close the door of the controller.

Then go to "Verification Test for Models 1L, 1R, 2R, 3R, 11L, 11R, 12R, or 13R" on page 12 to verify that this controller is operating correctly.

Verification Test for Models 1L, 1R, 2R, 3R, 11L, 11R, 12R, or 13R

1

Does your controller have a metallic, waterproof-type power plug?

YES CAUTION:

If your machine has a metallic, waterproof-type power plug, do not attempt to connect it. Instead, have a qualified electrician connect the plug. (For translations of this safety notice, see Safety Notice 3 in *IBM 3174 Safety Notices, GA27-3824.*)

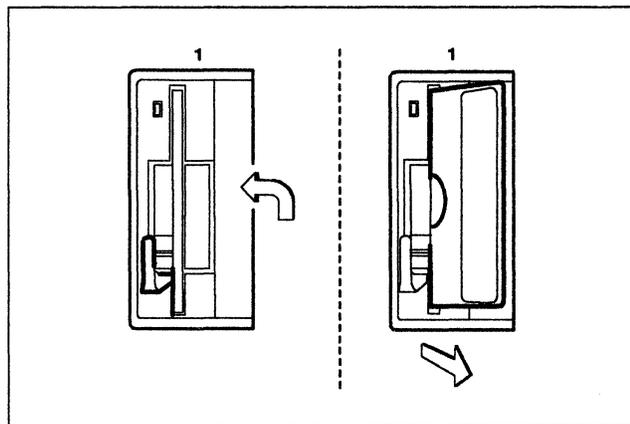
NO Plug the controller power plug into an electrical outlet.

2

Is there a diskette in drive 1?

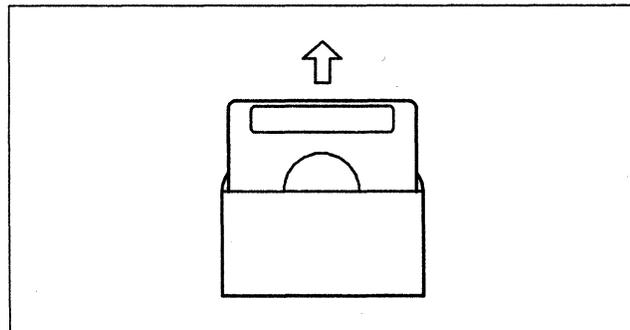
YES Open the lever of drive 1, and remove the diskette.

NO Continue with the next step.



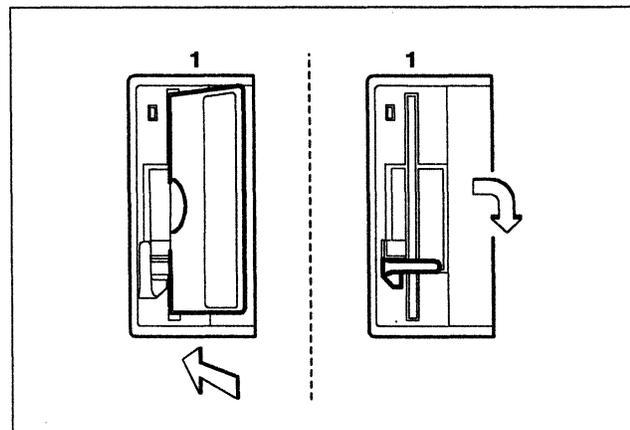
3

Remove the Utility diskette from the protective envelope.



4

With the label facing to the left, insert the Utility diskette into drive 1 and close the lever.

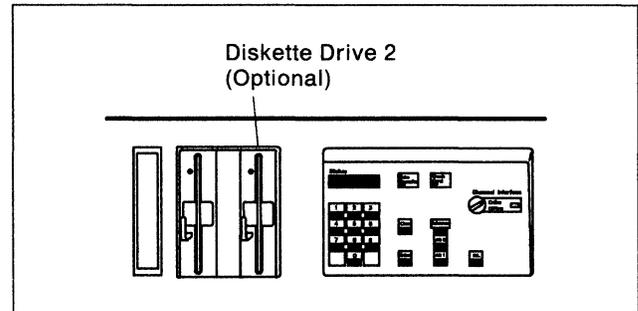


5

Does this controller have an optional Diskette Drive 2?

YES Continue with the next step.

NO Go to step 7 on this page.



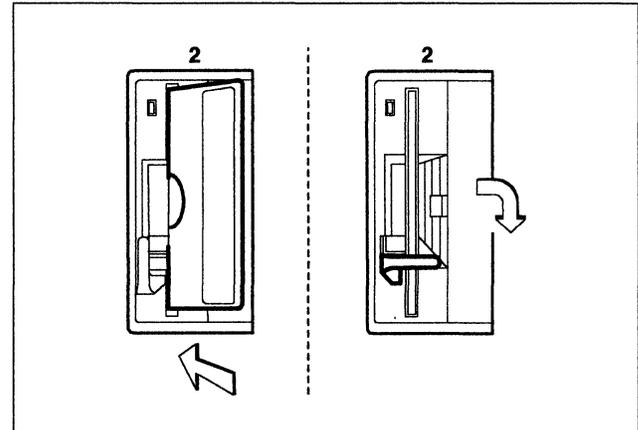
6

Is there a diskette in drive 2?

YES Continue with the next step.

NO Insert either a 3174 Control, DSL, or RPQ diskette into drive 2 and close the lever.

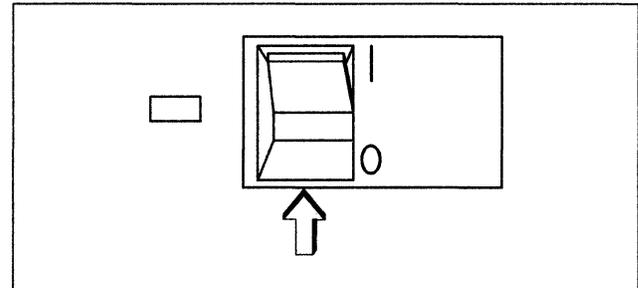
Note: If drive 2 is marked **2.4**, the diskette must be marked **2.4**.
If drive 2 is not marked **2.4**, the diskette must not be marked **2.4**.



7

Switch the machine on with the power switch.

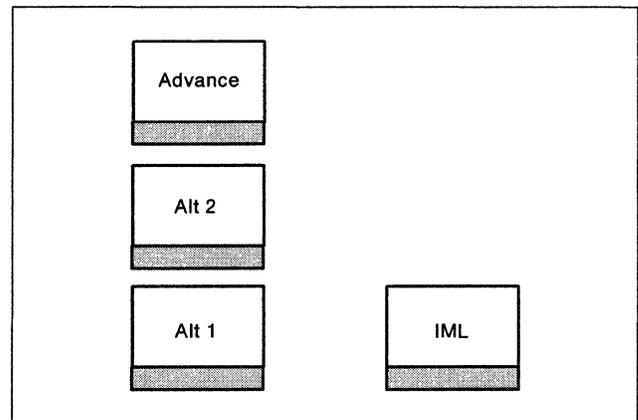
Note: For a Model 1L or 11L, lift the switch to the **Start** position and release.



8

In the following sequence:

1. Press and hold **Alt 2**.
2. Press and release **IML**.
3. Release **Alt 2**.



9

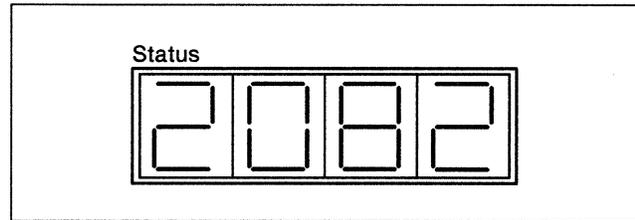
Does 2082 appear on the Status display within 5 minutes?

YES Continue with the next step.

NO Repeat step 8 on page 13.

If 2082 still does not appear, see the *3174 Status Codes* manual, GA27-3832, for a description of the status code displayed.

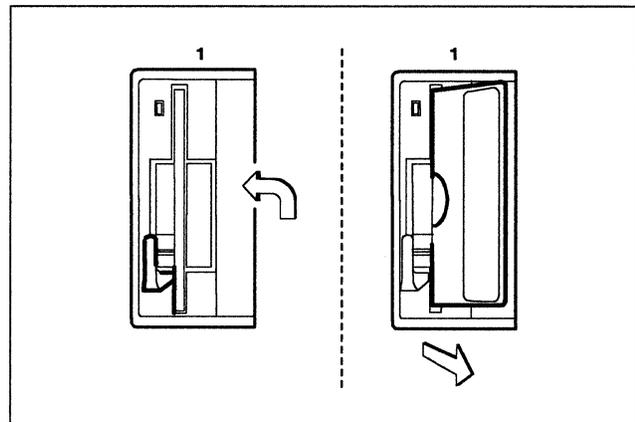
This status code description is also in the first and second editions of the *3174 Models 1L, 1R, 2R, and 3R User's Guide*, GA23-0337.



10

Open the lever of drive 1 and remove the diskette.

Insert the diskette into its protective envelope, and put it into the diskette storage pocket.



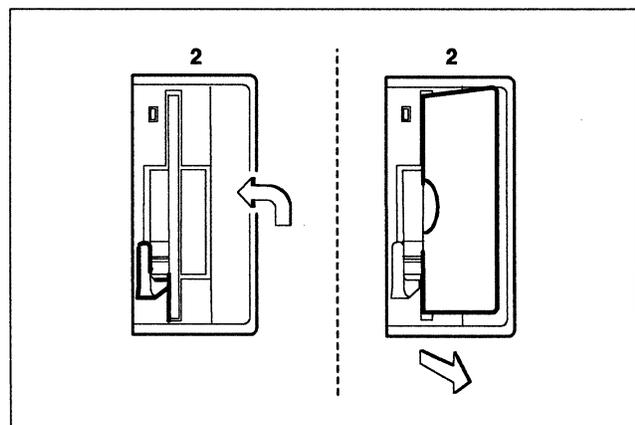
11

Is there an optional Diskette Drive 2?

YES Open the lever of drive 2 and remove the diskette.

Insert the diskette into the protective envelope, and put it into the diskette storage pocket.

NO Continue with the next step.



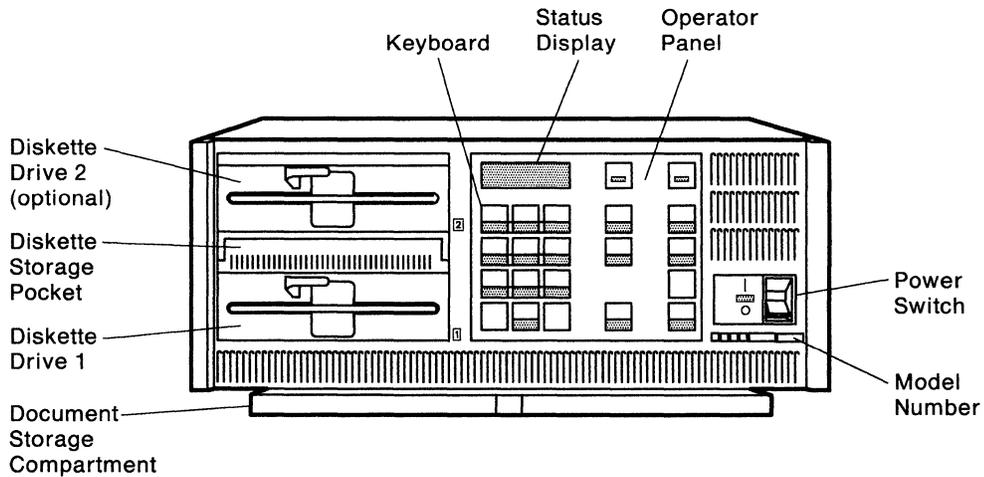
12

Diskette Drive hardware modification is complete.

To make the controller operational, see the *3174 Model 1L, 1R, 2R, 3R, 11L, 11R, 12R, and 13R User's Guide*, GA23-0337.

Diskette Drive Installation in a 3174 Model 51R, 52R, or 53R

Before beginning, note the location of the controller's basic components in the following figure.

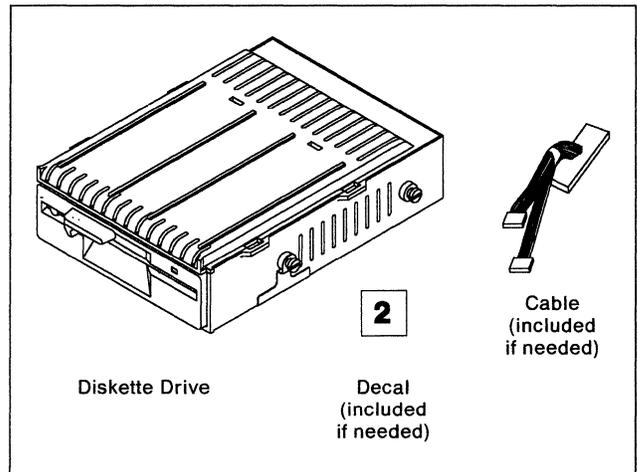


1

Do you have the required items shown, in the kit?

- YES** Continue with the next step.
- NO** Discontinue this procedure until you have the required items.

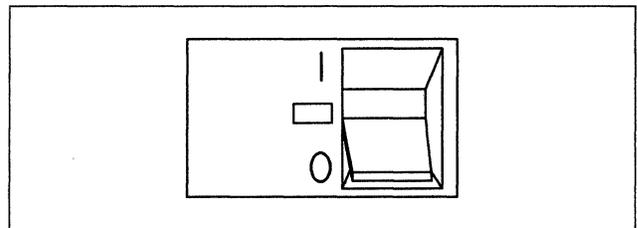
Note: For testing, you will also need a Utility diskette that supports all of the features installed on this controller.



2

Is the controller power switch switched off?

- YES** Continue with the next step.
- NO** Follow your company's procedures to notify users and to have this controller taken offline before continuing with the next step.



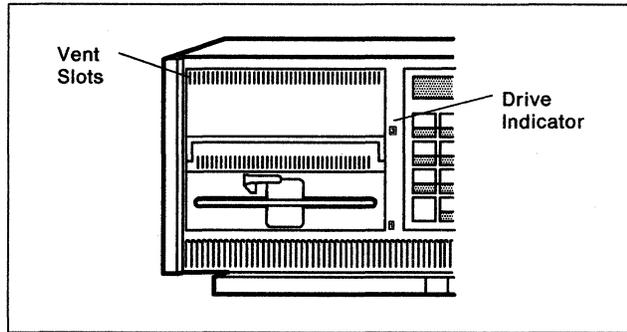
3

Determine if this controller has a Fixed Disk Drive by carefully checking to see if there is a row of vent slots at the top of the optional drive position. A 3 indicator will also mean that this controller has a Fixed Disk Drive.

Does this controller have a Fixed Disk Drive?

YES **Warning:** Follow step 4 through step 12 carefully to prevent damage to the Fixed Disk Drive you will remove.

NO Go to step 21 on page 20.

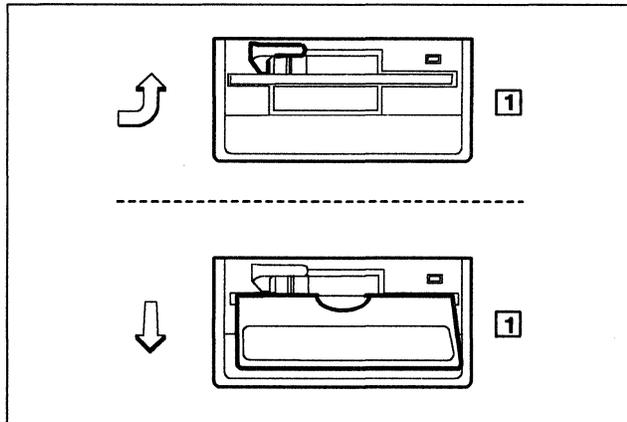


4

Is there a diskette in drive 1?

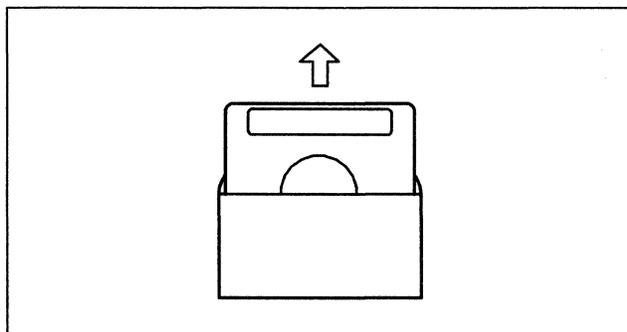
YES Open the lever of drive 1, and remove the diskette.

NO Continue with the next step.



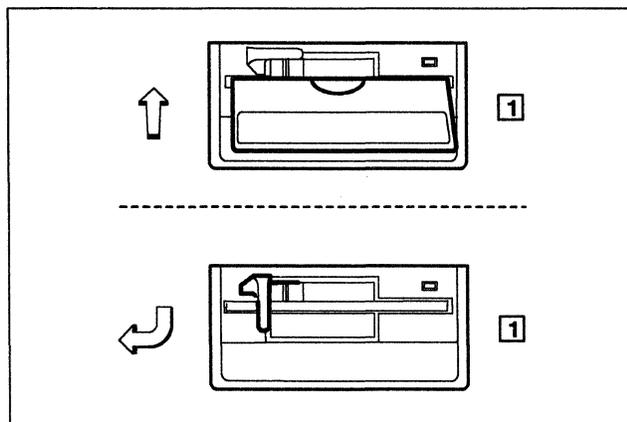
5

Remove the Utility diskette from the protective envelope.



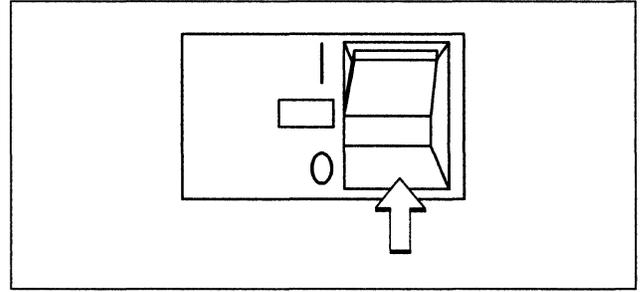
6

With the label facing up, insert the Utility diskette into drive 1 and close the lever.



7

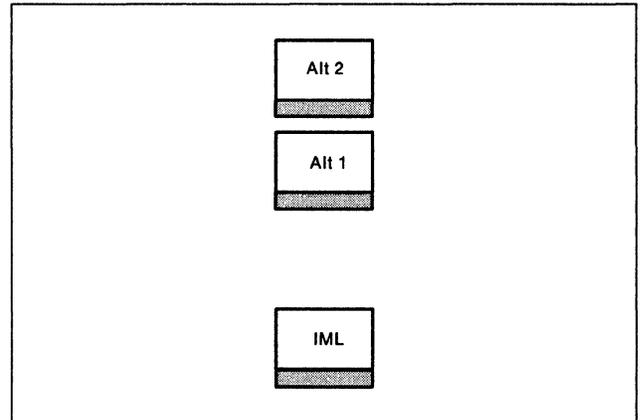
If the controller power switch is off, turn it on.



8

In the following sequence:

1. Press and hold **Alt 1**.
2. Press and release **IML**.
3. Release **Alt 1**.



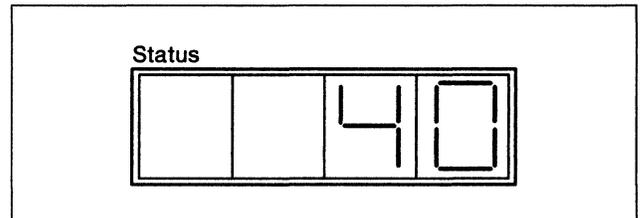
9

Does 40 appear on the Status display within 20 seconds?

YES Continue with the next step.

NO Repeat step 8 on this page.

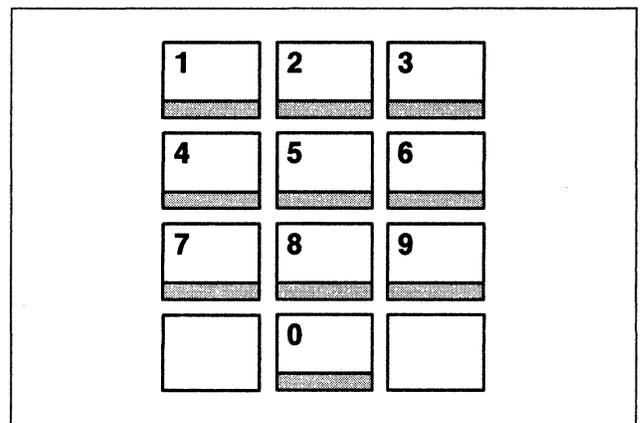
If 40 still does not appear, see the *3174 Status Codes* manual, GA27-3832, for a description of the status code displayed.



10

Use the keypad on the operator panel to key in **80**.

If you key in a wrong number, press **Clear** and try again.



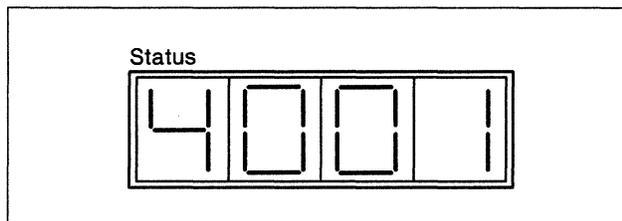
11

Press **Enter**.

Does 4001 appear?

YES Continue with the next step.

NO See the *3174 Status Codes* manual, GA27-3832, for a description of the status code displayed.



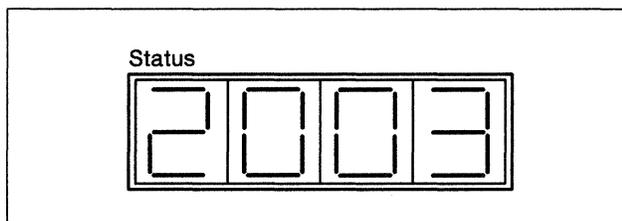
12

Key in **03** and press **Enter**.

Does 2003 appear on the Status display?

YES Continue with the next step.

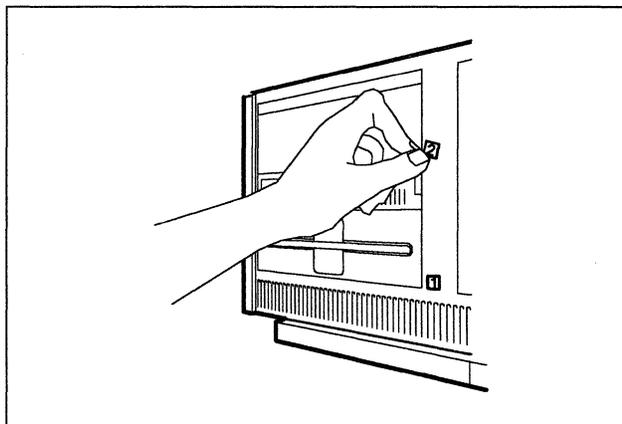
NO See the *3174 Status Codes* manual, GA27-3832, for a description of the status code displayed.



13

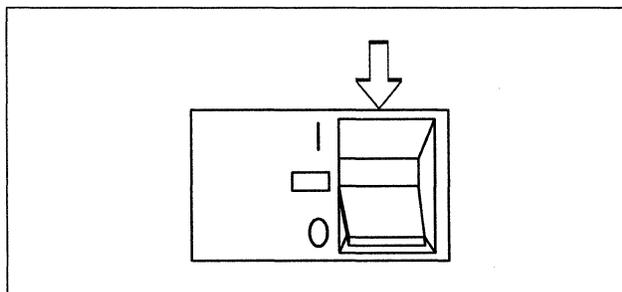
Peel off the back of the decal (2) you received in the kit.

Stick it over the Fixed Disk Drive 3 label.



14

Press the power switch to **O** (Off).



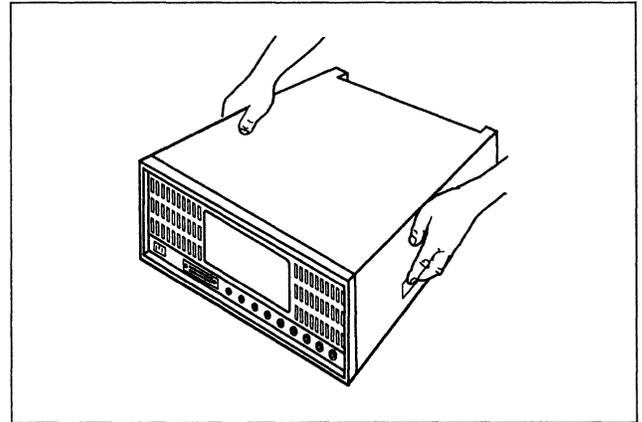
15

Unplug the controller power plug.

16

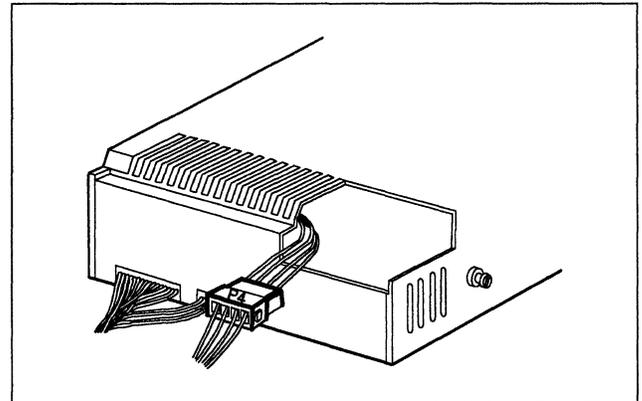
Lift the latches on the sides of the top cover.

Pull the sides slightly outward, and lift the cover off.



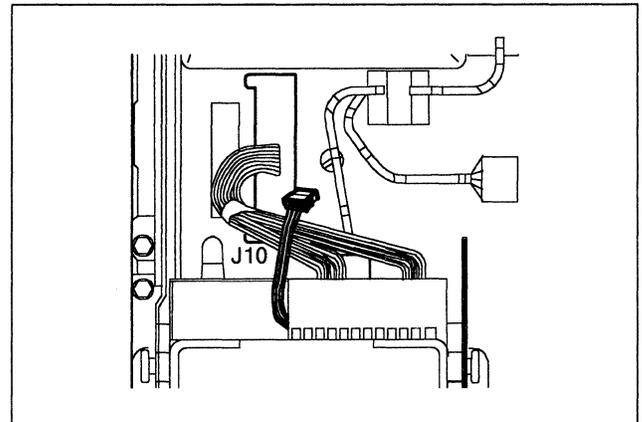
17

Unplug the connector marked **P4** from the rear of the Fixed Disk Drive.



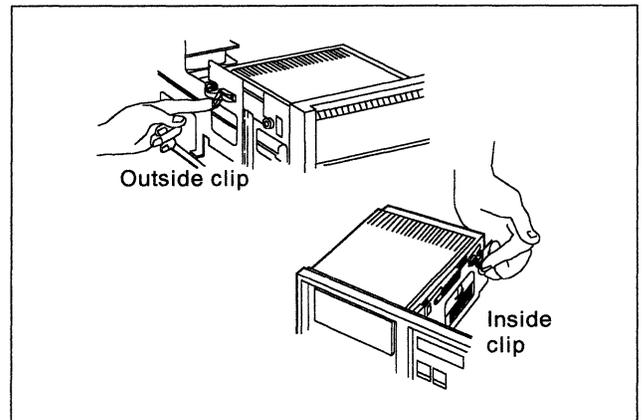
18

Unplug the Fixed Disk Drive cable that is connected to socket **J10** behind drive 1.



19

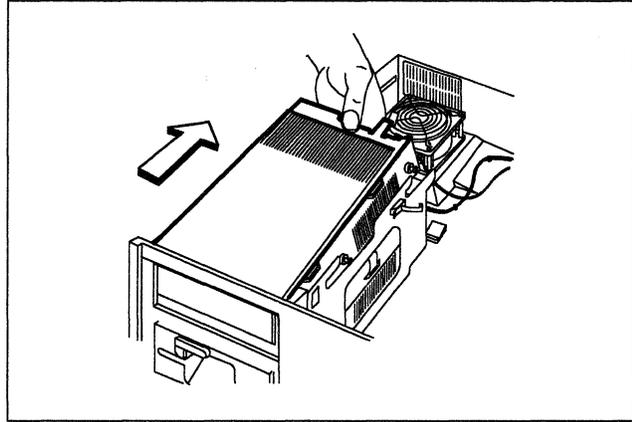
Release the clips over the mounting studs at the sides of the Fixed Disk Drive and pull them open.



20

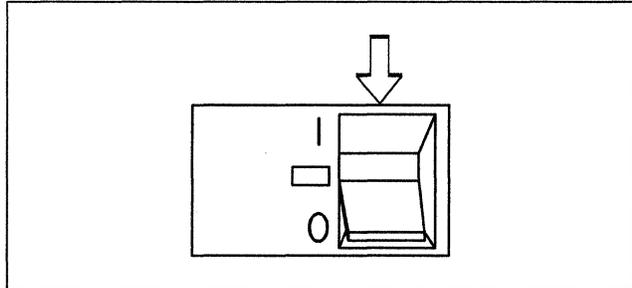
Slide the Fixed Disk Drive out and store it according to your company's procedures.

Then go to step 31 on page 22.



21

Press the power switch to **O** (Off) if it is on.



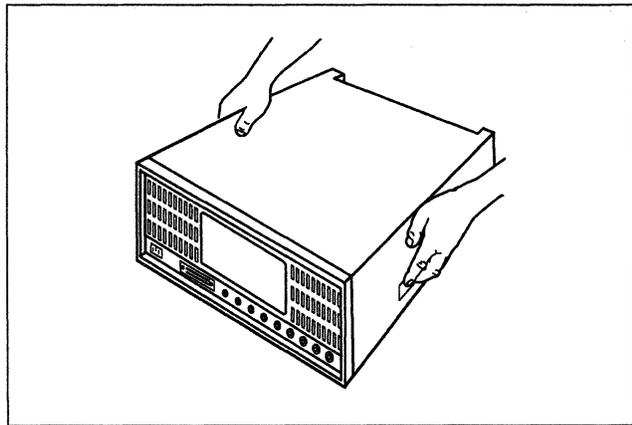
22

Unplug the controller power plug.

23

Lift the latches on the sides of the top cover.

Pull the sides slightly outward, and lift the cover off.

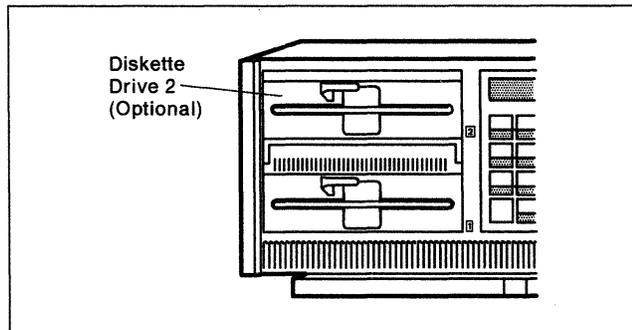


24

Does this controller have an optional Diskette Drive 2?

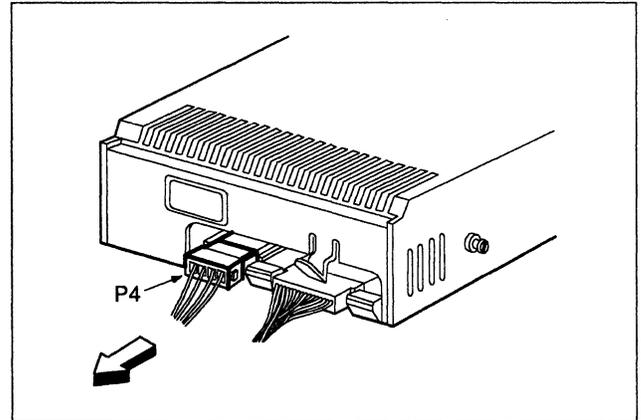
YES Continue with the next step.

NO Go to step 29 on page 22.



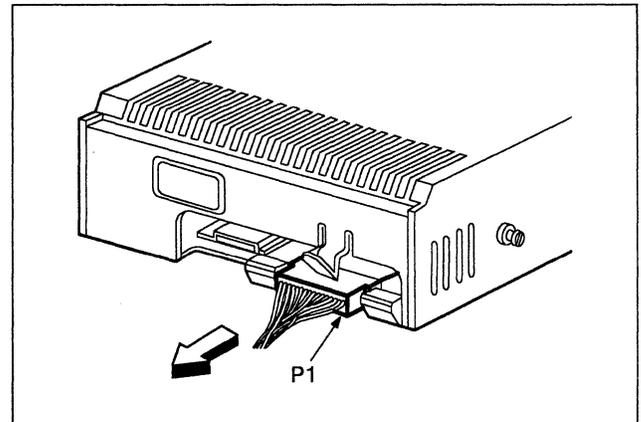
25

Unplug the connector marked **P4** from the rear of drive 2.



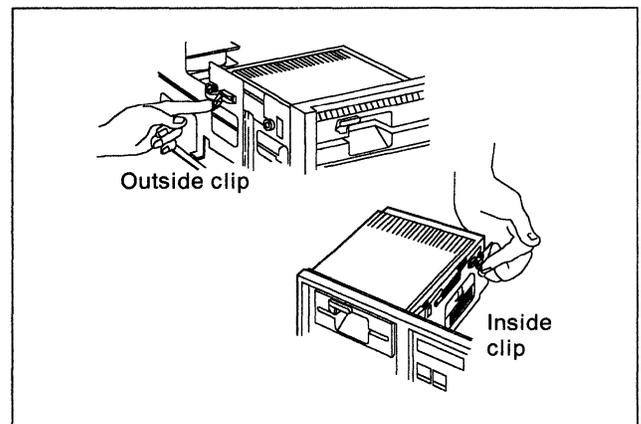
26

Unplug the connector marked **SF2P1** from the rear of drive 2.



27

Release the clips over the screws at the sides of drive 2 and pull them open.

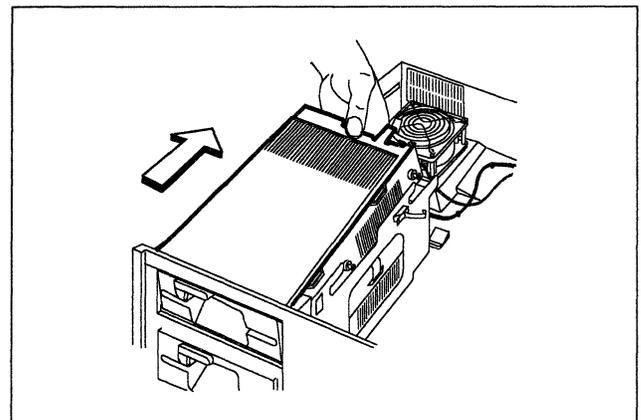


28

Slide drive 2 back and lift it away from the controller.

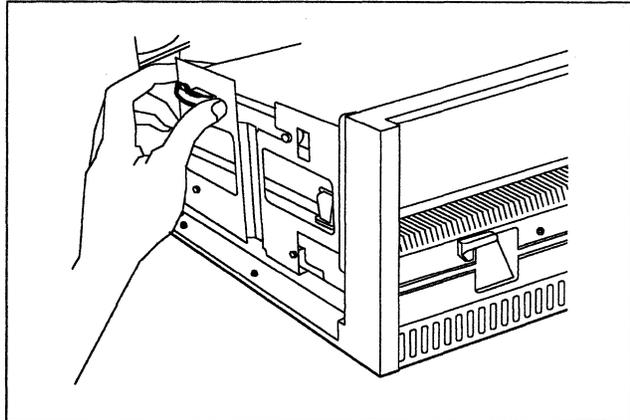
Store the drive according to your company's procedures.

Then go to step 31 on page 22.



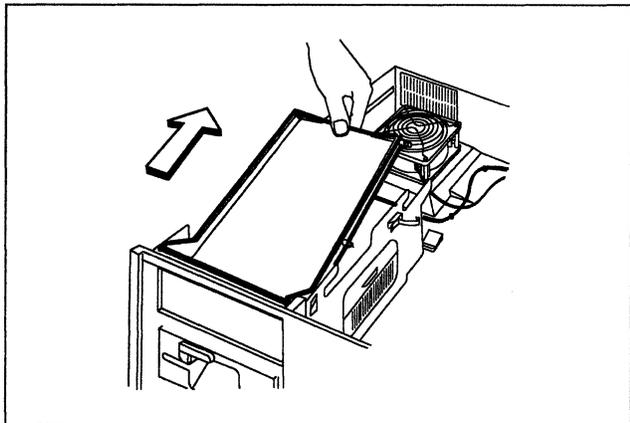
29

Release the clips holding the insert above the diskette storage pocket.



30

Slide the insert toward the rear of the controller and lift it off.

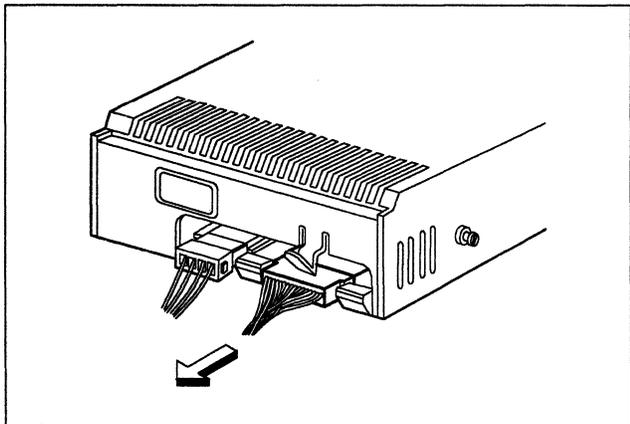


31

Is there a cable in the kit?

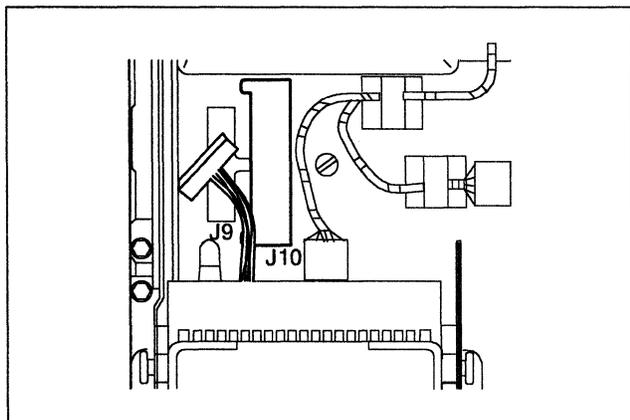
YES Unplug the connector marked **SF1P1** from drive 1.

NO Go to step 35 on page 23.



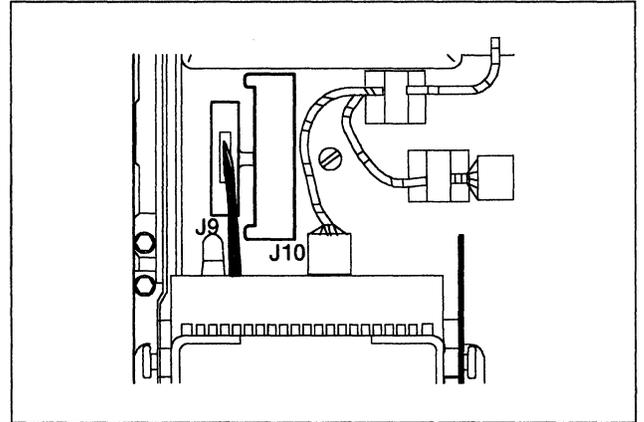
32

Unplug the connector from socket **J9** in the base of the controller and store the cable according to your company's procedures.



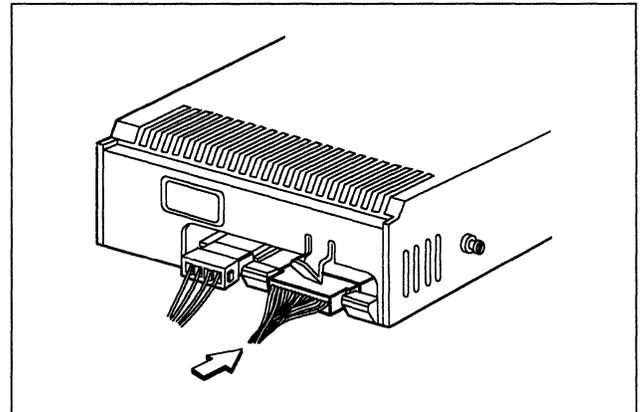
33

Plug the cable from the kit into socket **J9** in the base of the controller.



34

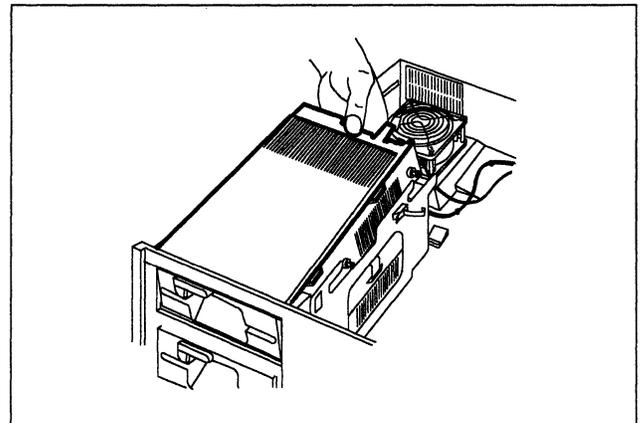
Plug the connector marked **SF1P1** into the socket of drive 1.



35

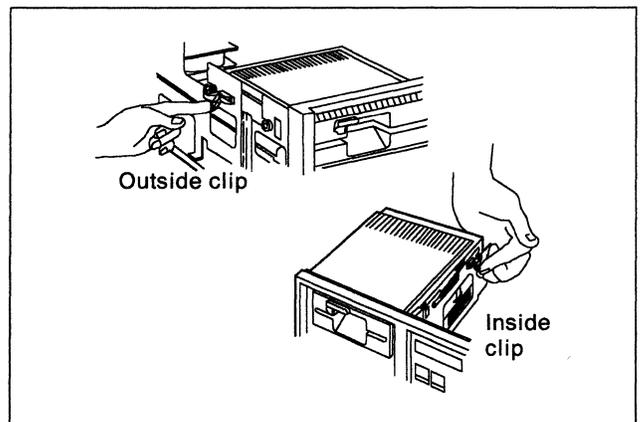
Slide the Diskette Drive from the kit into place on top of the diskette storage pocket.

Be sure that the front of the drive is even with the front of the controller and that the mounting studs are engaged in the slots at the side.



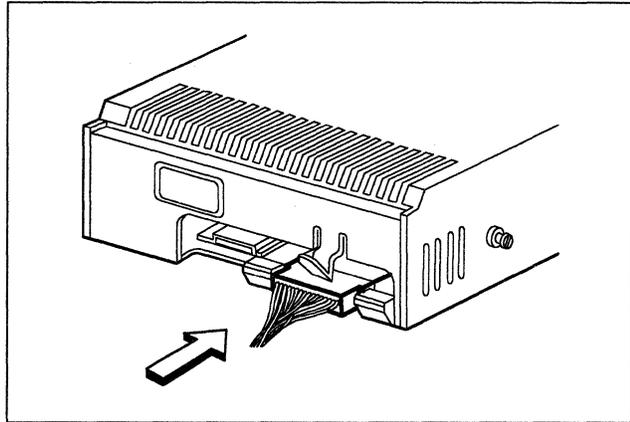
36

Hook the clips over the rear mounting studs and press the clips closed.



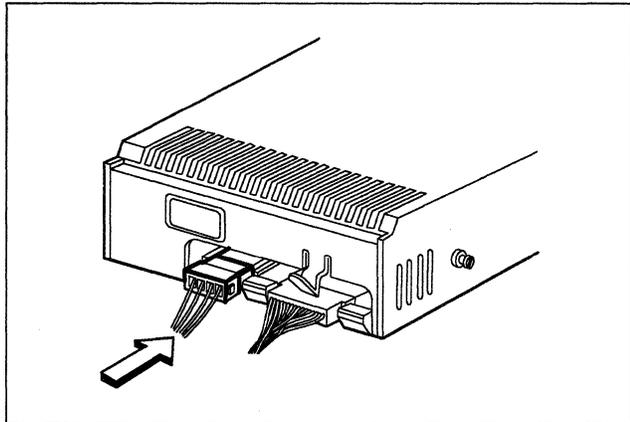
37

Plug the connector marked **SF2P1** into the socket of drive 2.



38

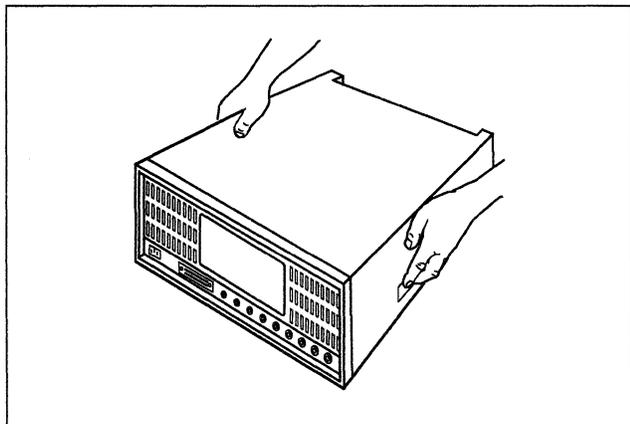
Plug the connector marked **P4** into the socket in the rear of drive 2.



39

Lift the top cover latches up.

Put the top cover back in place, and push the sides slightly inward while pushing the latches down into the locked position.

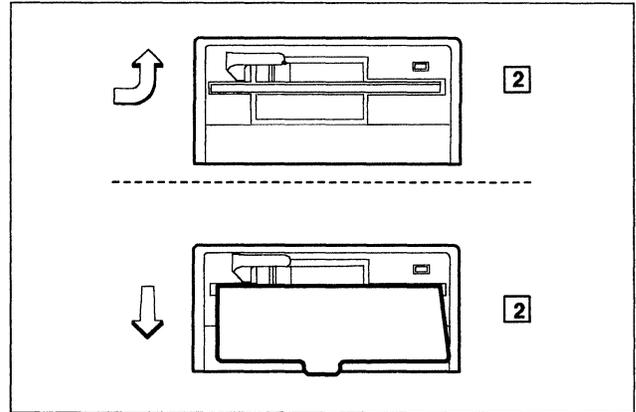


40

Plug the controller power plug into an electrical outlet.

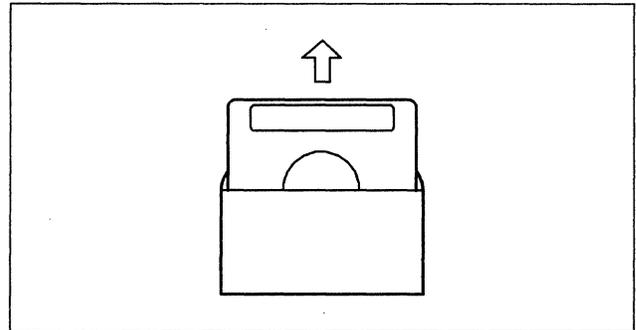
41

Open the lever of drive 2 and remove the cardboard insert.



42

Remove the Utility diskette from the protective envelope or from drive 1.

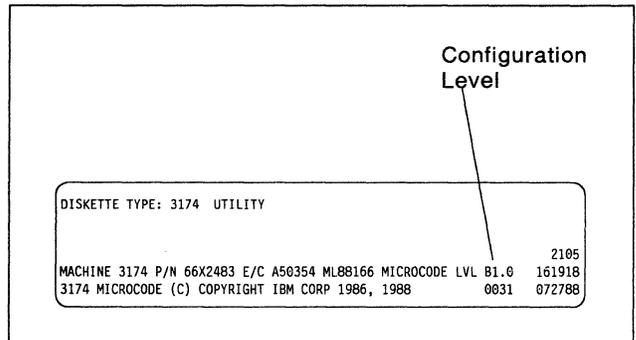


43

Is the Utility diskette label marked Configuration B?

YES Continue with the next step.

NO Go to step 45 on page 26.

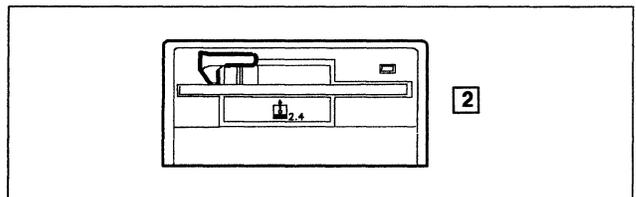


44

Is drive 2 labeled 2.4?

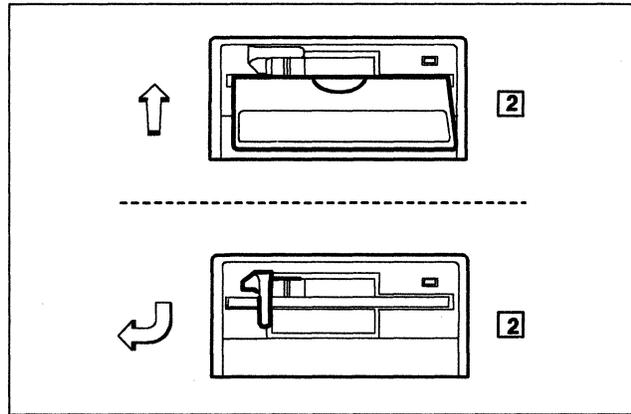
YES Continue with the next step.

NO Go to step 47 on page 26.



45

With the label facing up, insert the Utility diskette into drive 2 and close the lever.



46

Is there a diskette in drive 1?

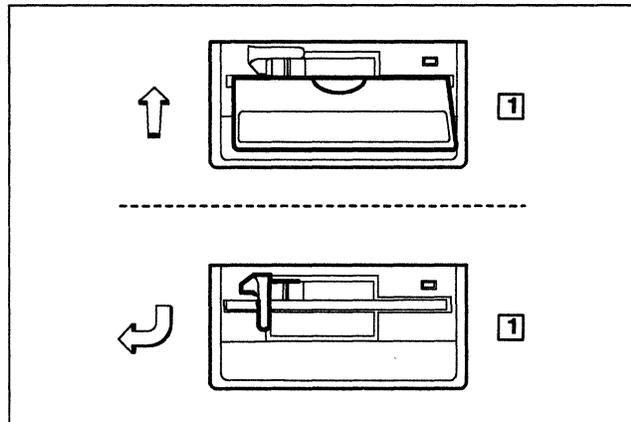
YES Go to step 50 on page 27.

NO Insert either a 3174 Control, DSL, or RPQ diskette into drive 1 and close the lever.

Note: If drive 1 is marked **2.4**, the diskette must be marked **2.4**.

If drive 1 is not marked **2.4**, the diskette must not be marked **2.4**.

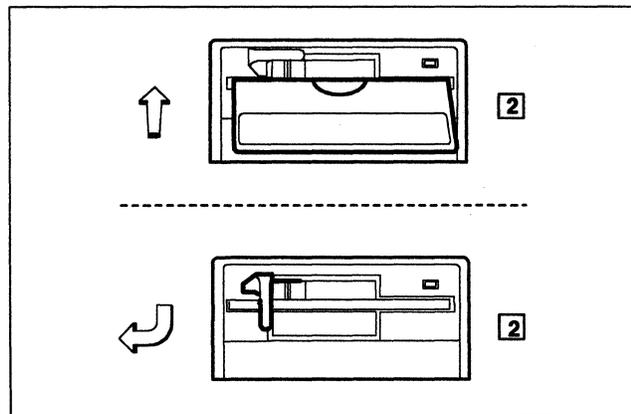
Then go to step 50 on page 27.



47

Insert either a 3174 Control, DSL, or RPQ diskette into drive 2 and close the lever.

Note: Do not insert a diskette marked **2.4**.

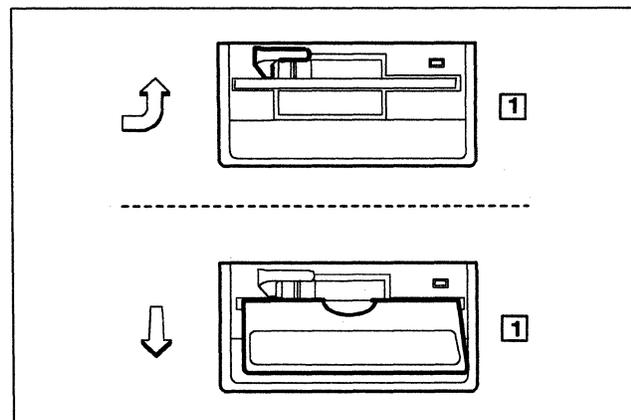


48

Is there a diskette in drive 1?

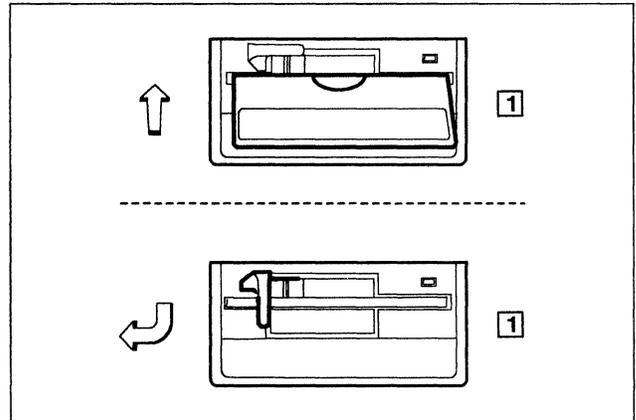
YES Open the lever of drive 1, and remove the diskette.

NO Continue with the next step.



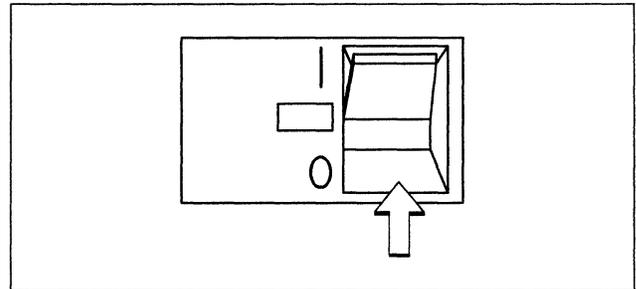
49

Put the Utility diskette into drive 1 and close the lever.



50

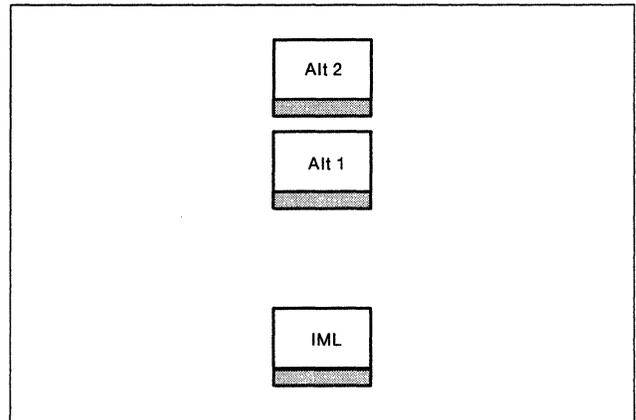
Switch the machine on with the power switch.



51

In the following sequence:

1. Press and hold **Alt 1**.
2. Press and release **IML**.
3. Release **Alt 1**.



52

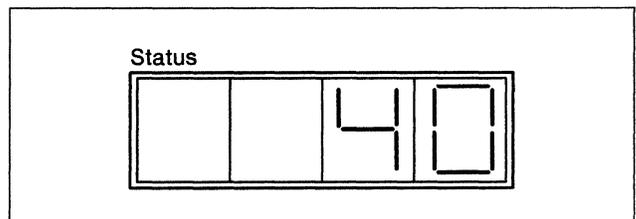
Does 40 appear on the Status display within 20 seconds?

YES Continue with the next step.

NO Repeat step 51 on this page.

If 40 still does not appear, see the *3174 Status Codes* manual, GA27-3832, for a description of the status code displayed.

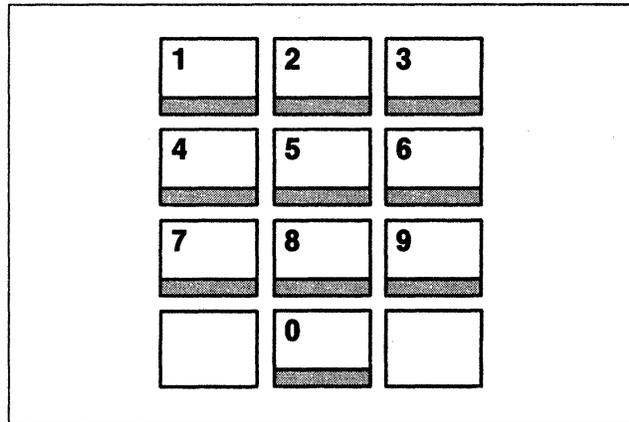
This status code description is also in the first and second editions of the *3174 Models 51R, 52R, and 53R User's Guide*, GA23-0333.



53

Use the keypad on the operator panel to key in:

- 82** If the Utility diskette is in drive 1.
If you key in a wrong number, press **Clear** and try again.
- 0282** If the Utility diskette is in drive 2.
If you key in a wrong number, press **Clear** and try again.



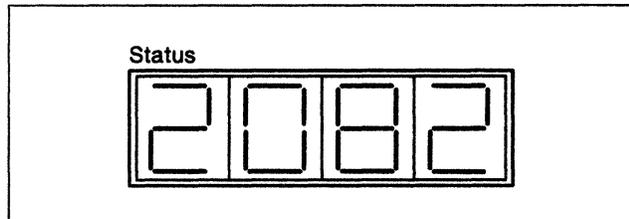
54

Press **Enter**.

Does 2082 appear on the Status display within 5 minutes?

- YES** Continue with the next step.
- NO** See the *3174 Status Codes* manual, GA27-3832, for a description of the status code displayed.

This status code description is also in the first and second editions of the *3174 Models 51L, 52R, and 53R User's Guide*, GA23-0333.



55

Open the levers of both diskette drives and remove the diskettes.

Place each diskette in its protective envelope and store it in the diskette storage pocket.

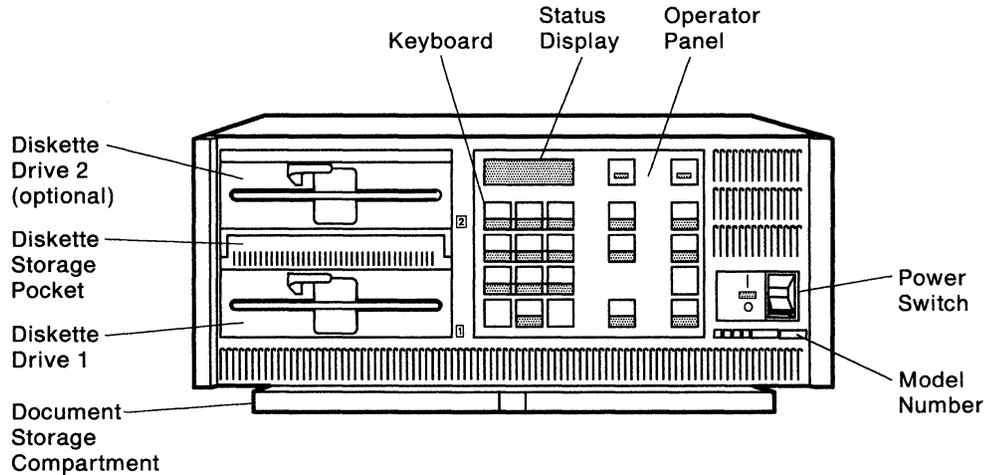
56

Installation of the Diskette Drive hardware is complete.

To make the controller operational, see the *3174 Model 51R, 52R, 53R, 61R, 62R, and 63R User's Guide*, GA23-0333.

Diskette Drive Installation in a 3174 Model 61R, 62R, or 63R

Before beginning, note the location of the controller's basic components in the following figure.



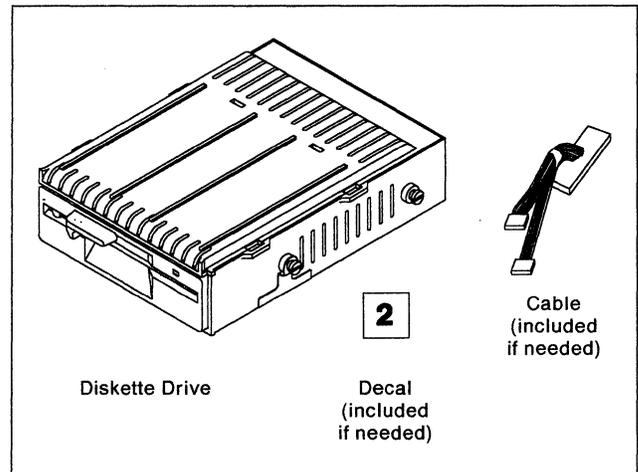
1

Do you have the required items shown, in the kit?

YES Continue with the next step.

NO Discontinue this procedure until you have the required items.

Note: For testing, you will also need a Utility diskette that supports all of the features installed on this controller.

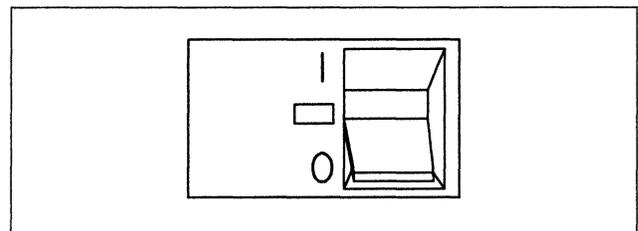


2

Is the controller power switch switched off?

YES Continue with the next step.

NO Follow your company's procedures to notify users and to have this controller taken offline before continuing with the next step.



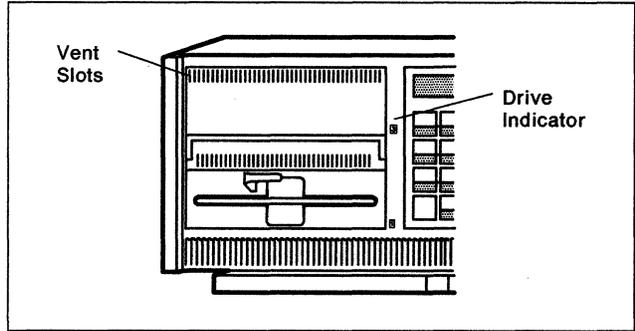
3

Determine if this controller has a Fixed Disk Drive by carefully checking to see if there is a row of vent slots at the top of the optional drive position. A 3 indicator will also mean that this controller has a Fixed Disk Drive.

Does this controller have a Fixed Disk Drive?

YES **Warning:** Follow step 4 through step 12 carefully to prevent damage to the Fixed Disk Drive you will remove.

NO Go to step 22 on page 34.

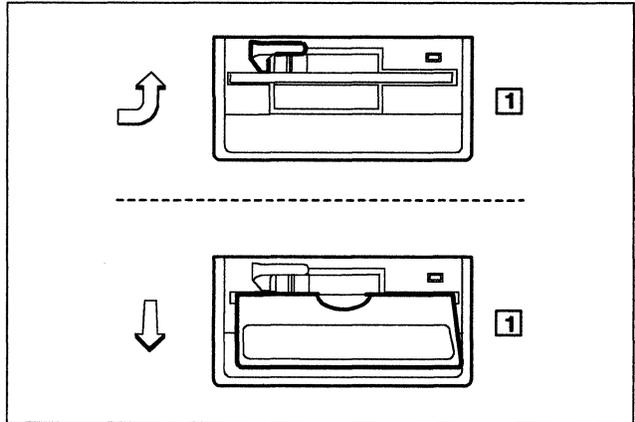


4

Is there a diskette in drive 1?

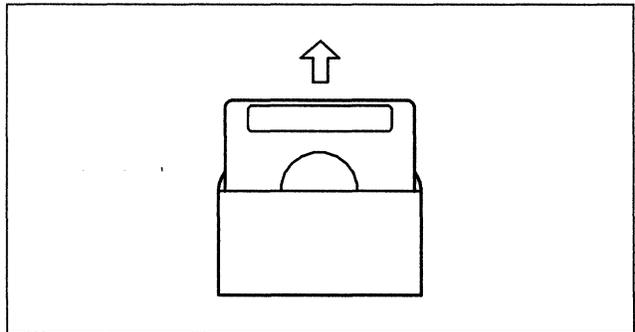
YES Open the lever of drive 1, and remove the diskette.

NO Continue with the next step.



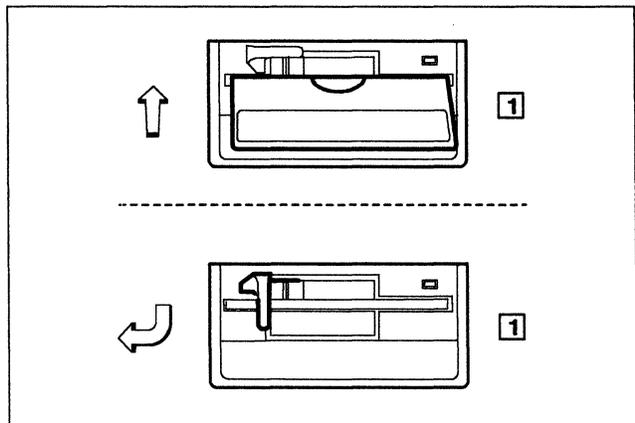
5

Remove the Utility diskette from the protective envelope.



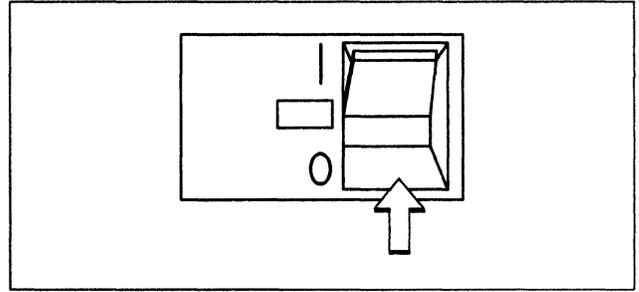
6

With the label facing up, insert the Utility diskette into drive 1 and close the lever.



7

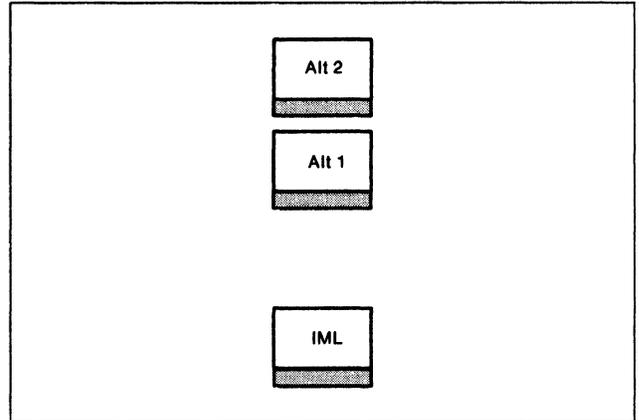
If the controller power switch is off, turn it on.



8

In the following sequence:

1. Press and hold **Alt 1**.
2. Press and release **IML**.
3. Release **Alt 1**.



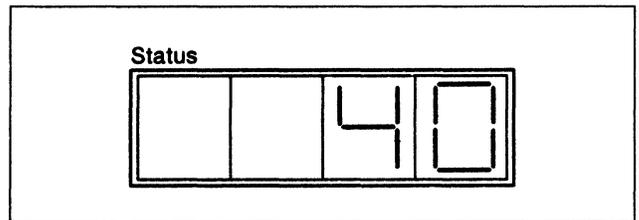
9

Does 40 appear on the Status display within 20 seconds?

YES Continue with the next step.

NO Repeat step 8 on this page.

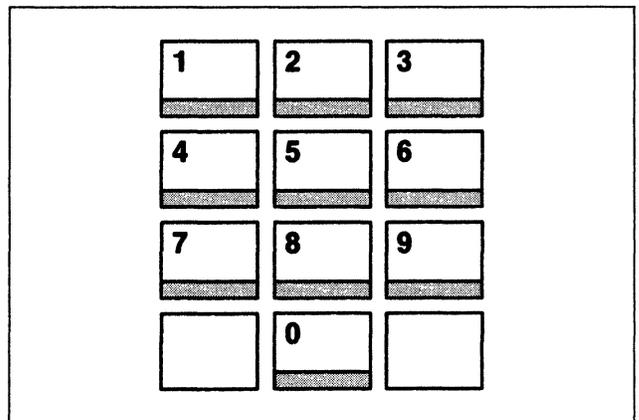
If 40 still does not appear, see the 3174 *Status Codes* manual, GA27-3832, for a description of the status code displayed.



10

Use the keypad on the operator panel to key in **80**.

If you key in a wrong number, press **Clear** and try again.



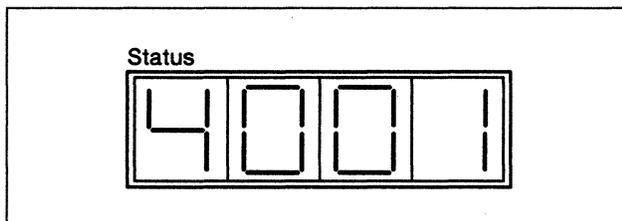
11

Press **Enter**.

Does 4001 appear?

YES Continue with the next step.

NO See the *3174 Status Codes* manual, GA27-3832, for a description of the status code displayed.



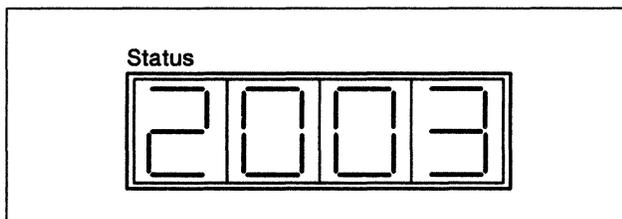
12

Key in **03** and press **Enter**.

Does 2003 appear on the Status display?

YES Continue with the next step.

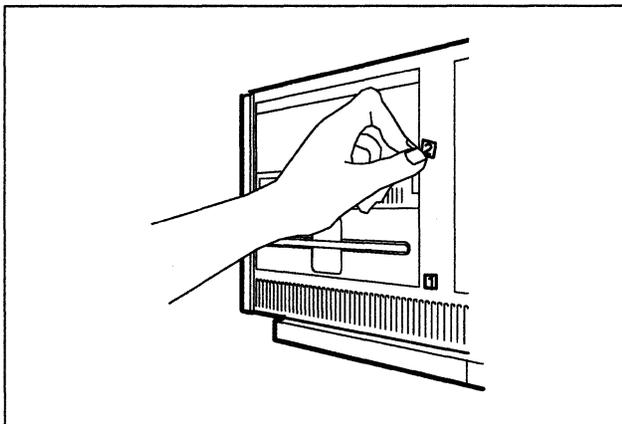
NO See the *3174 Status Codes* manual, GA27-3832, for a description of the status code displayed.



13

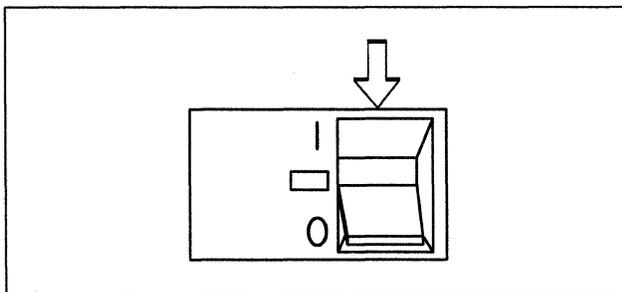
Peel off the back of the decal (2) you received in the kit.

Stick it over the Fixed Disk Drive 3 label.



14

Press the power switch to **O** (Off).



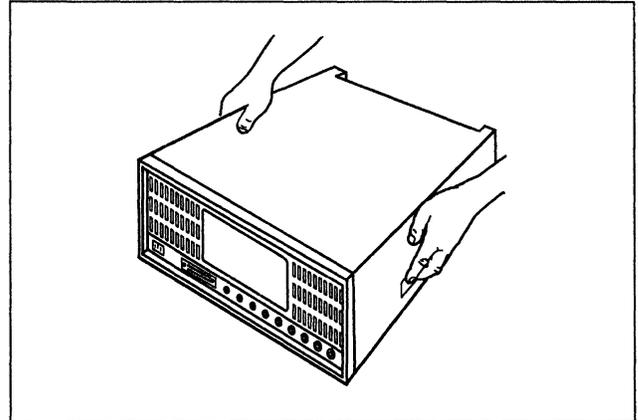
15

Unplug the controller power plug.

16

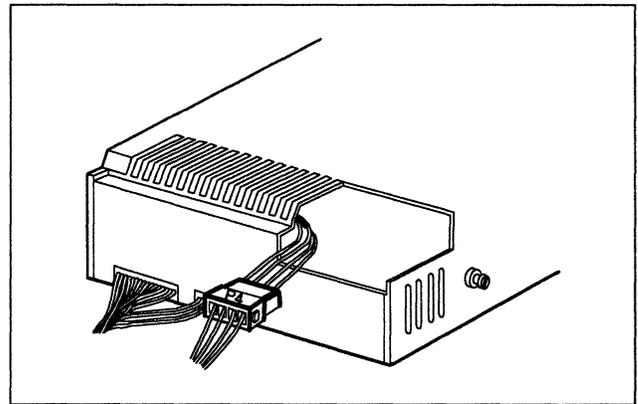
Lift the latches on the sides of the top cover.

Pull the sides slightly outward, and lift the cover off.



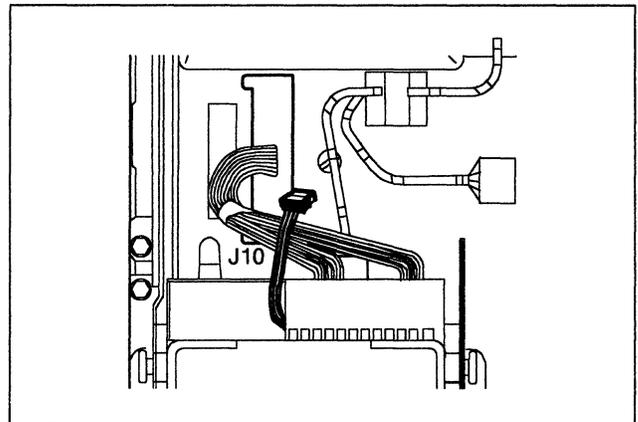
17

Unplug the connector marked **P4** from the rear of the Fixed Disk Drive.



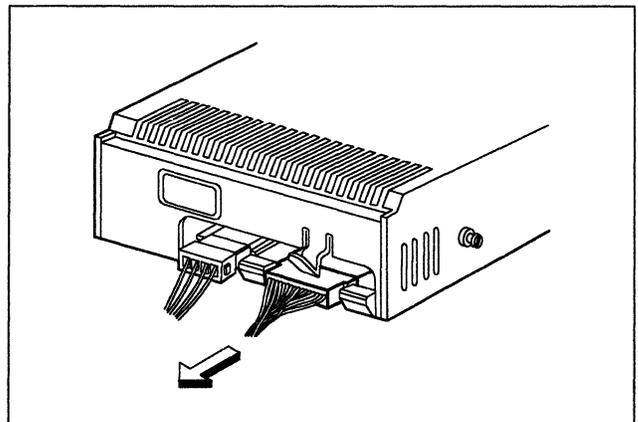
18

Unplug the Fixed Disk Drive cable that is connected to socket **J10** behind drive 1.



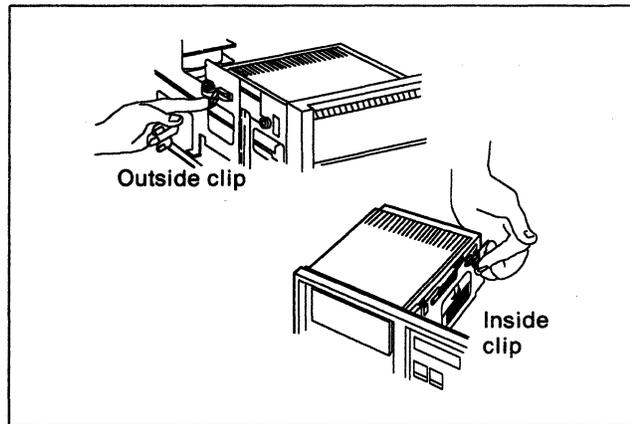
19

Unplug the connector marked **SF1P1** from drive 1.



20

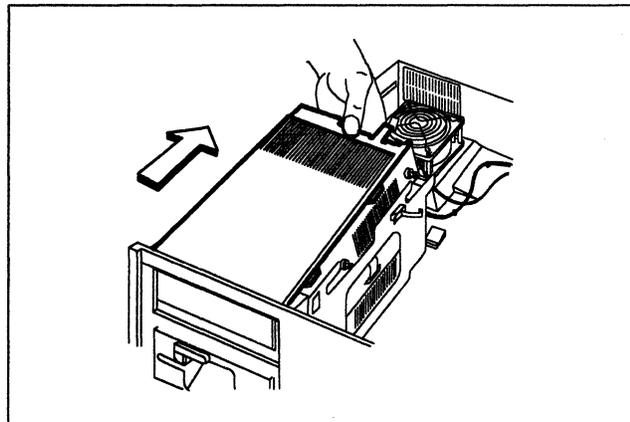
Release the clips over the mounting studs at the sides of the Fixed Disk Drive and pull them open.



21

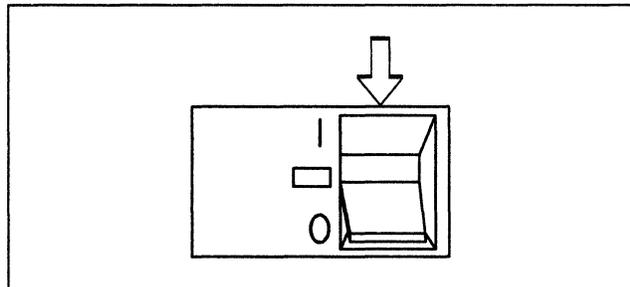
Slide the Fixed Disk Drive out and store it according to your company's procedures.

Then go to step 34 on page 37.



22

Press the power switch to **O** (Off) if it is on.



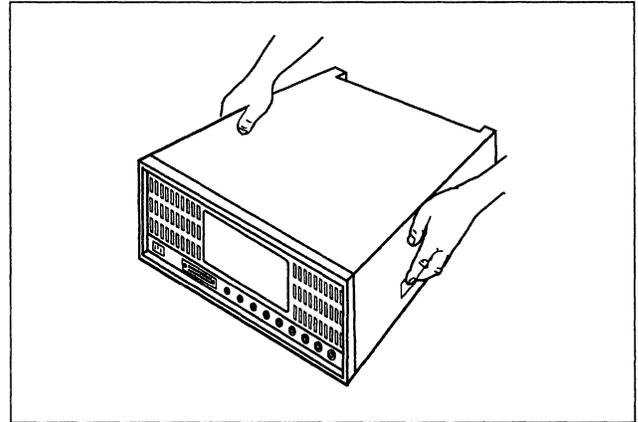
23

Unplug the controller power plug.

24

Lift the latches on the sides of the top cover.

Pull the sides slightly outward, and lift the cover off.

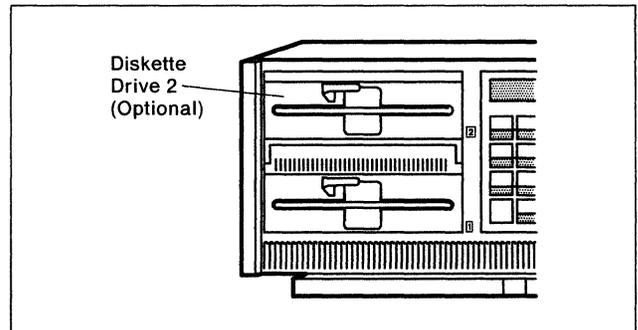


25

Does this controller have an optional Diskette Drive 2?

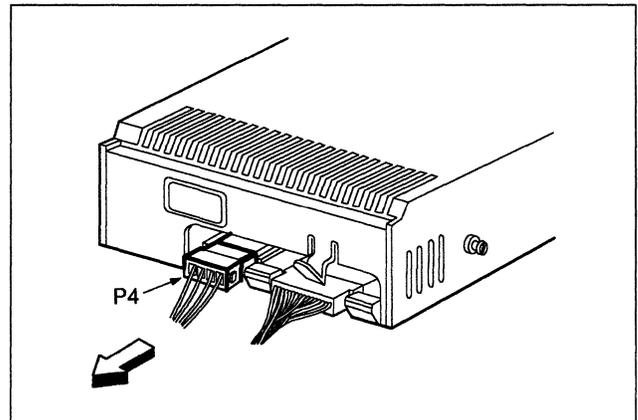
YES Continue with the next step.

NO Go to step 30 on page 36.



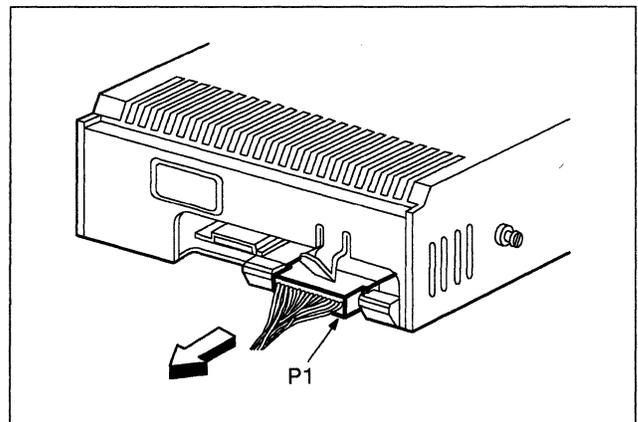
26

Unplug the connector marked **P4** from the rear of drive 2.



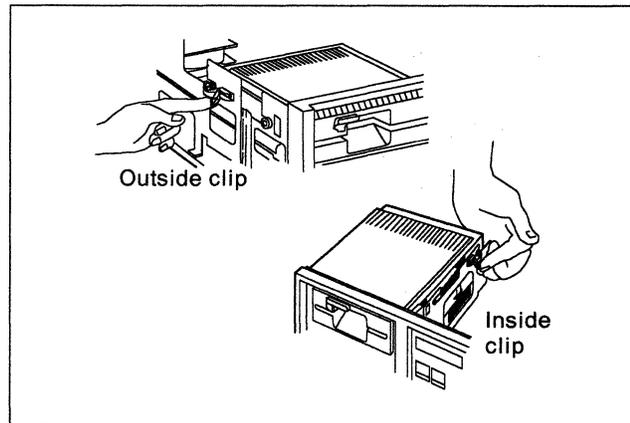
27

Unplug the connector marked **SF2P1** from the rear of drive 2.



28

Release the clips over the screws at the sides of drive 2 and pull them open.

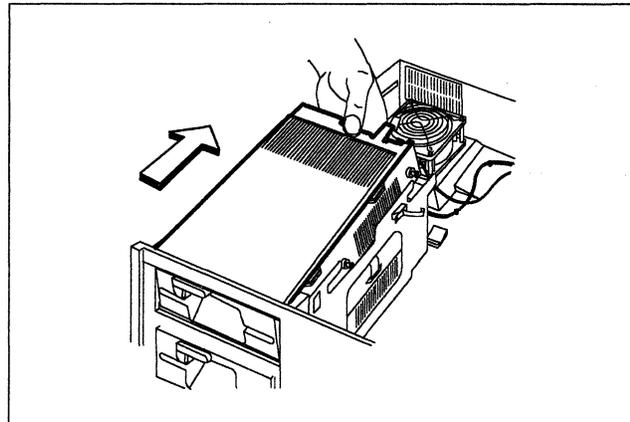


29

Slide drive 2 back and lift it away from the controller.

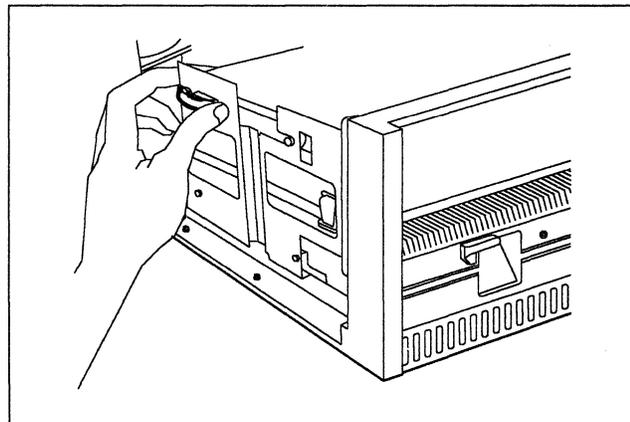
Store the drive according to your company's procedures.

Then go to step 32 on this page.



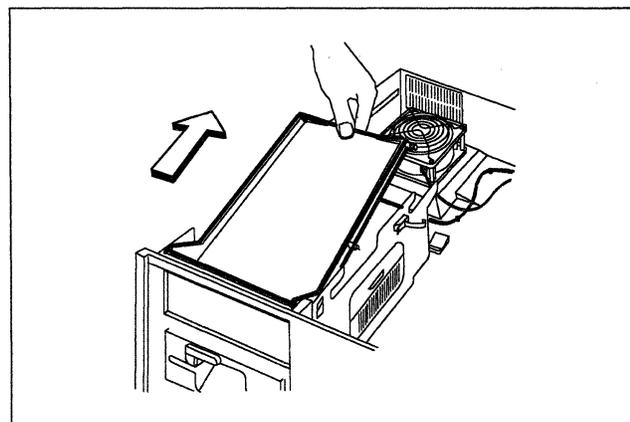
30

Release the clips holding the insert above the diskette storage pocket.



31

Slide the insert toward the rear of the controller and lift it off.

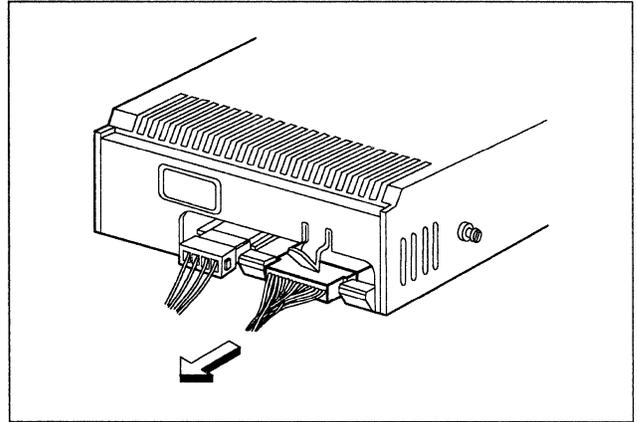


32

Is there a cable in the kit?

YES Unplug the connector marked **SF1P1** from drive 1 if you did not unplug it earlier.

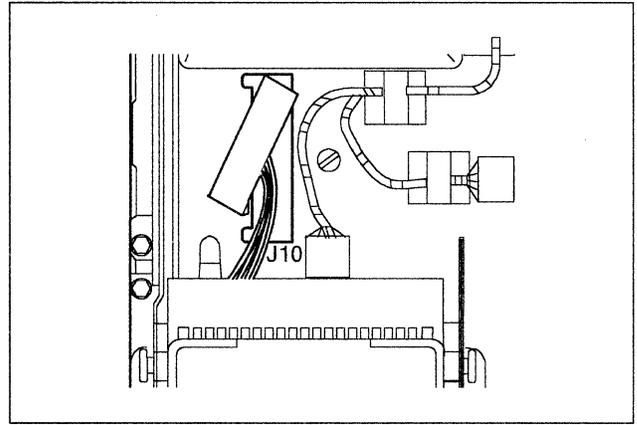
NO Go to step 36 on page 38.



33

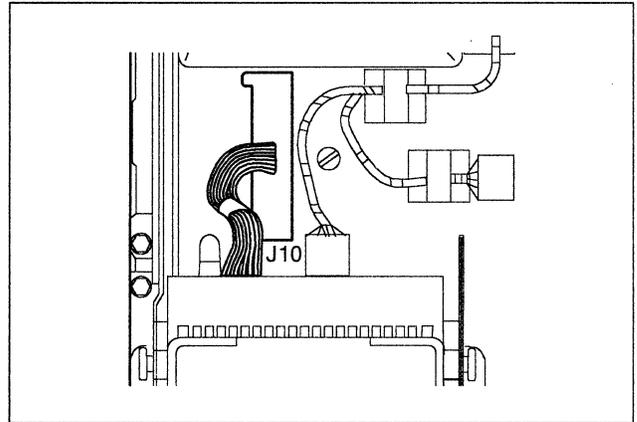
Unplug the connector from socket **J10** in the base of the controller if you did not unplug it earlier.

Store the cable according to your company's procedures.



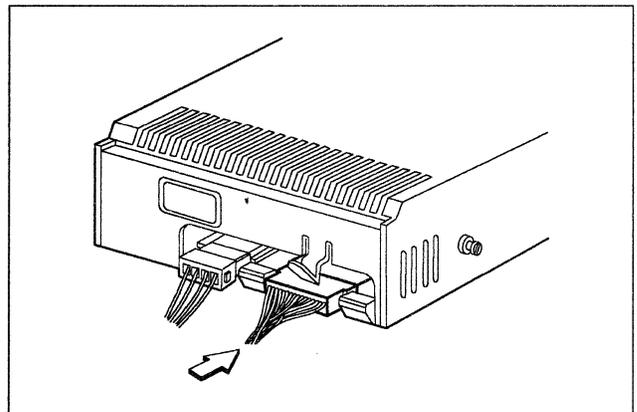
34

Plug the cable from the kit into socket **J10** in the base of the controller.



35

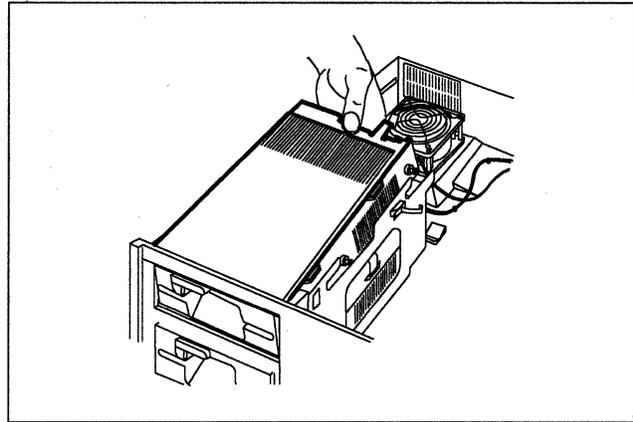
Plug the connector marked **SF1P1** into the socket of drive 1.



36

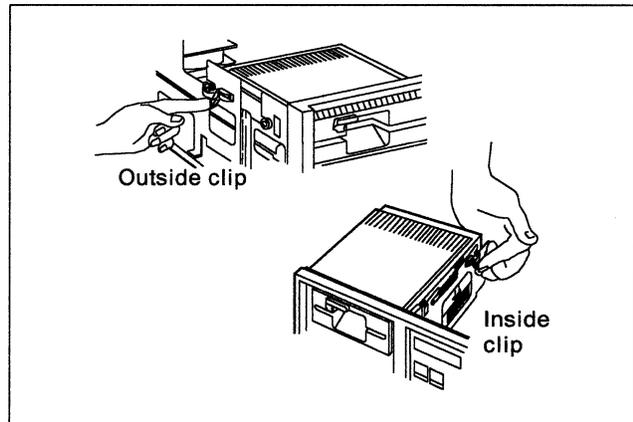
Slide the Diskette Drive from the kit into place on top of the diskette storage pocket.

Be sure that the front of the drive is even with the front of the controller and that the mounting studs are engaged in the slots at the side.



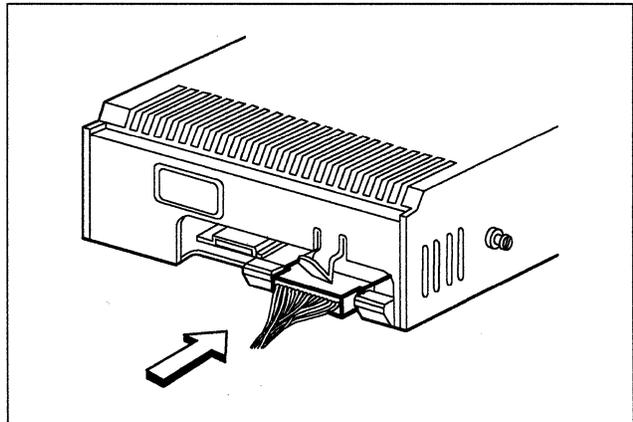
37

Hook the clips over the rear mounting studs and press the clips closed.



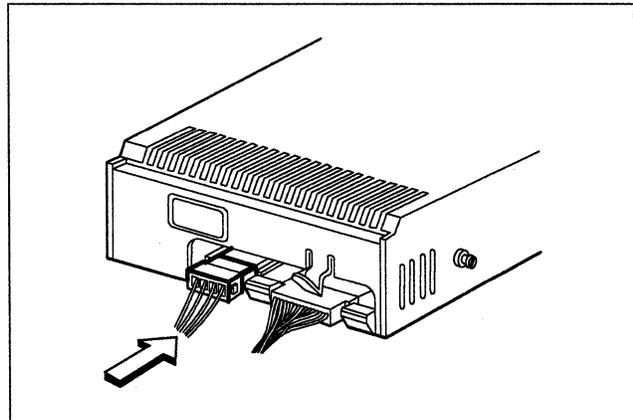
38

Plug the connector marked **SF2P1** into the socket of drive 2.



39

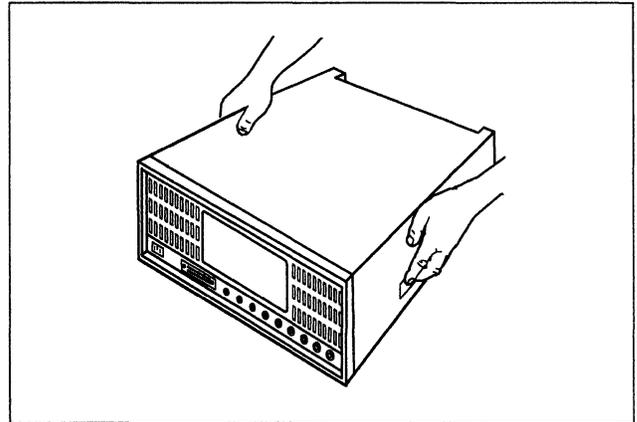
With the label up, plug the connector marked **P4** into the socket in the rear of drive 2.



40

Lift the top cover latches up.

Put the top cover back in place, and push the sides slightly inward while pushing the latches down into the locked position.

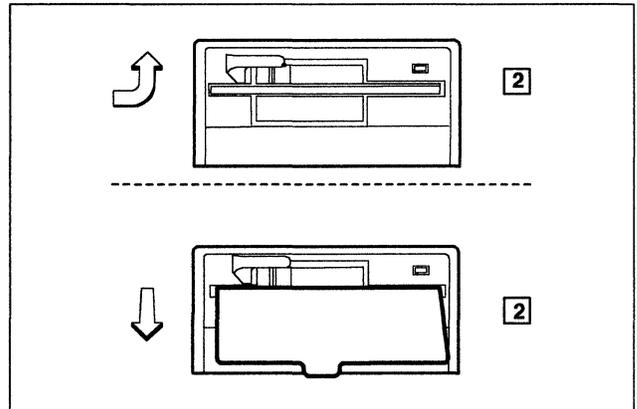


41

Plug the controller power plug into an electrical outlet.

42

Open the lever of the Diskette Drive you just installed and remove the cardboard insert.

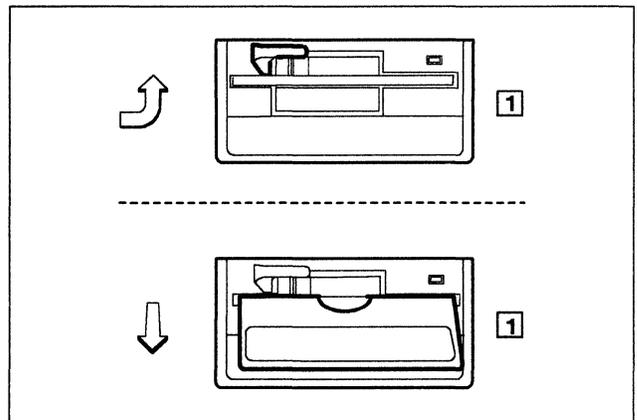


43

Is there a diskette in drive 1?

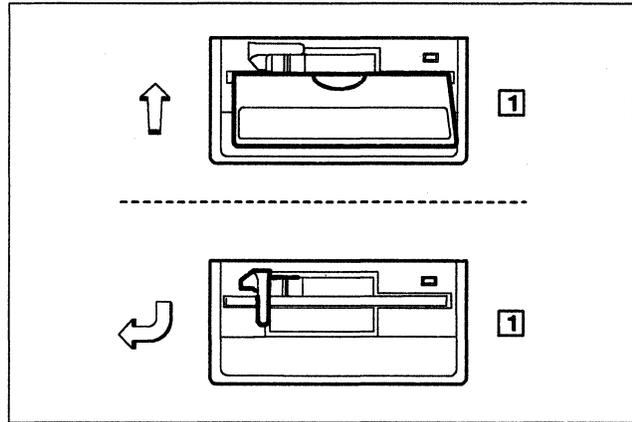
YES Open the lever of drive 1, and remove the diskette.

NO Continue with the next step.



44

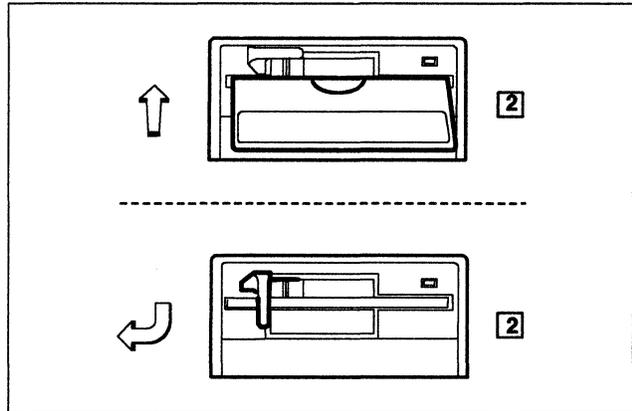
Put the Utility diskette into drive 1 and close the lever.



45

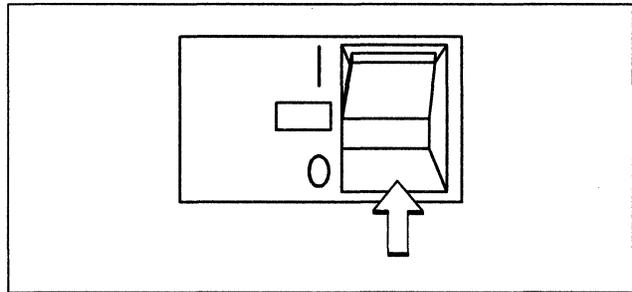
Insert either a 3174 Control, DSL, or RPQ diskette into drive 2 and close the lever.

Note: If drive 2 is marked **2.4**, the diskette must be marked **2.4**.
If drive 2 is not marked **2.4**, the diskette must not be marked **2.4**.



46

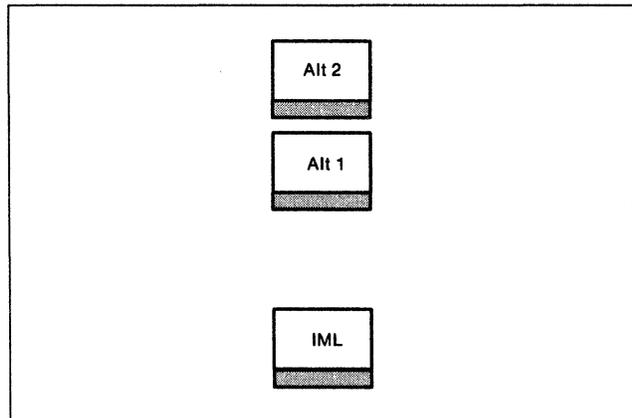
Switch the machine on with the power switch.



47

In the following sequence:

1. Press and hold **Alt 2**.
2. Press and release **IML**.
3. Release **Alt 2**.



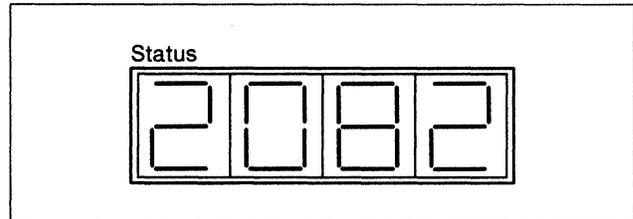
48

Does 2082 appear on the Status display within 5 minutes?

YES Continue with the next step.

NO Repeat step 47 on page 40.

If 2082 still does not appear, see the *3174 Status Codes* manual, GA27-3832, for a description of the status code displayed.



49

Open the levers of both diskette drives and remove the diskettes.

Place each diskette in its protective envelope and store it in the diskette storage pocket.

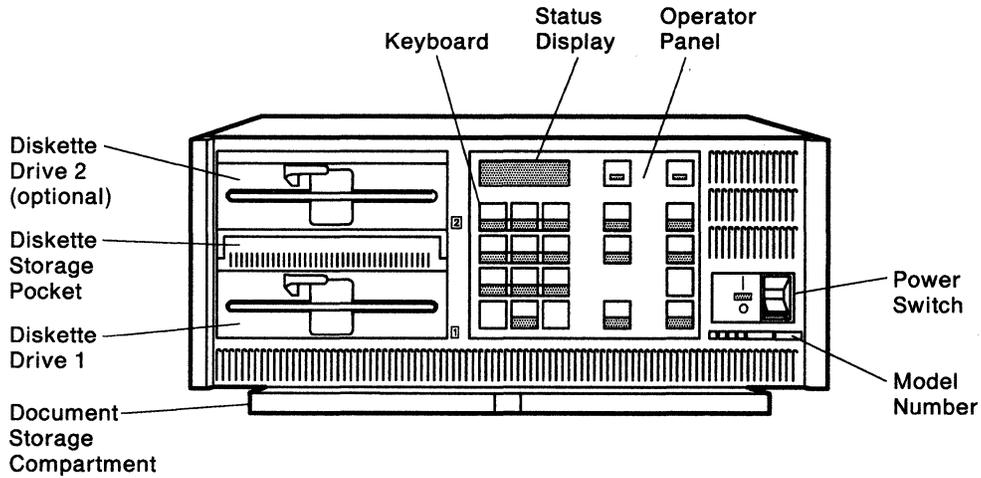
50

Installation of the Diskette Drive hardware is complete.

To make the controller operational, see the *3174 Model 51R, 52R, 53R, 61R, 62R, and 63R User's Guide*, GA23-0333.

Diskette Drive Removal from a 3174 Model 51R, 52R, 53R, 61R, 62R, or 63R

Before beginning, note the location of the controller's basic components in the following figure.

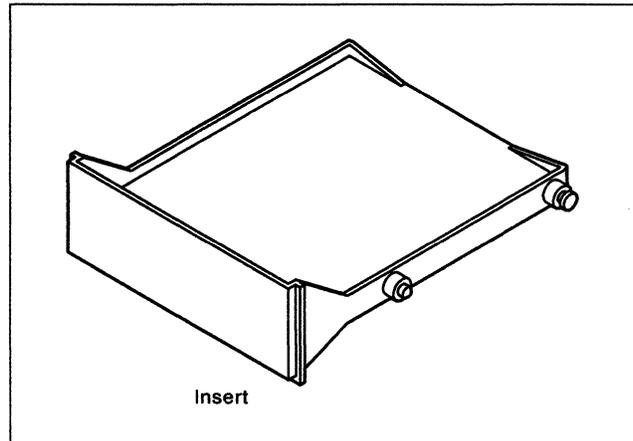


1

Do you have the required item shown, in the kit?

- YES** Continue with the next step.
- NO** Discontinue this procedure until you have the required item.

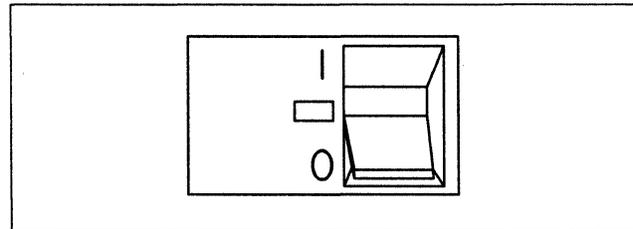
Note: For testing, you will also need a Utility diskette that supports all of the features installed on this controller.



2

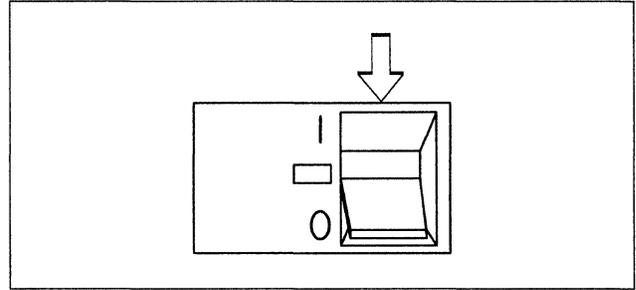
Is the controller power switch switched off?

- YES** Go to step 4 on page 43.
- NO** Follow your company's procedures to notify users and to have this controller taken offline before continuing with the next step.



3

Press the power switch to **O** (Off).



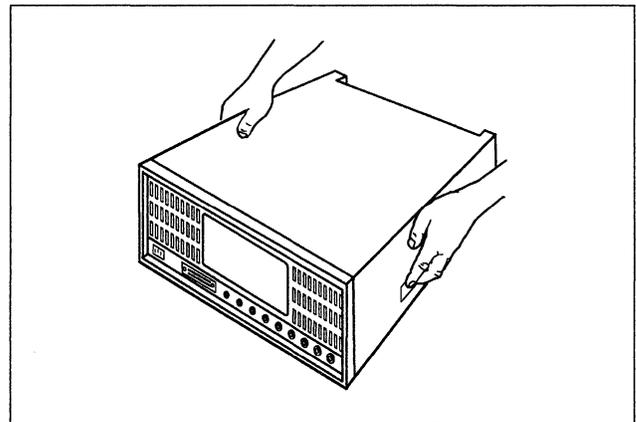
4

Unplug the controller power plug.

5

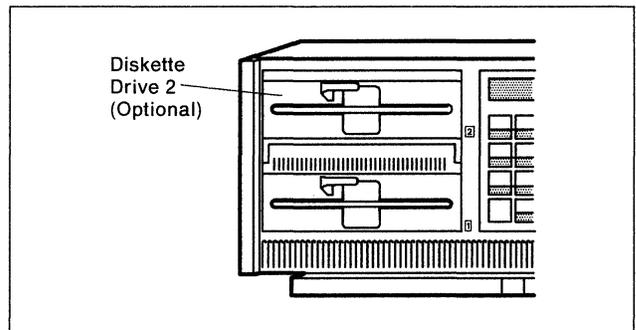
Lift the latches on the sides of the top cover.

Pull the sides slightly outward, and lift the cover off.



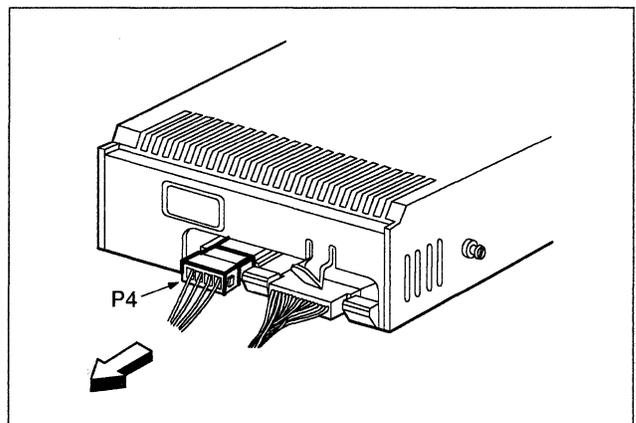
6

Note the location of the Diskette Drive you are removing.



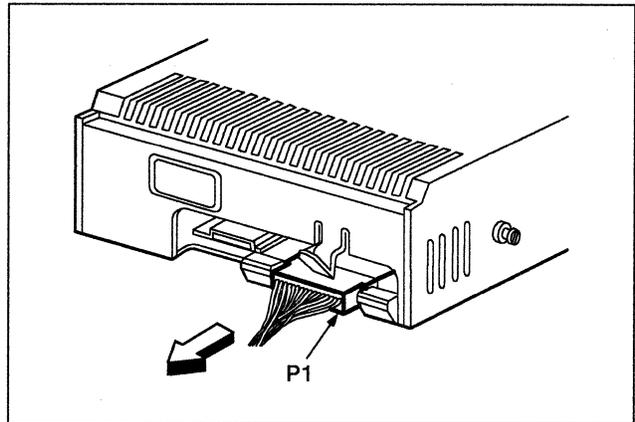
7

Unplug the connector marked **P4** from the rear of drive 2.



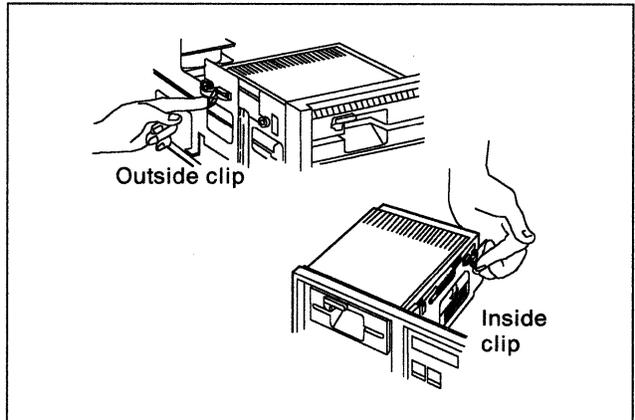
8

Unplug the connector marked **SF2P1** from the rear of drive 2.



9

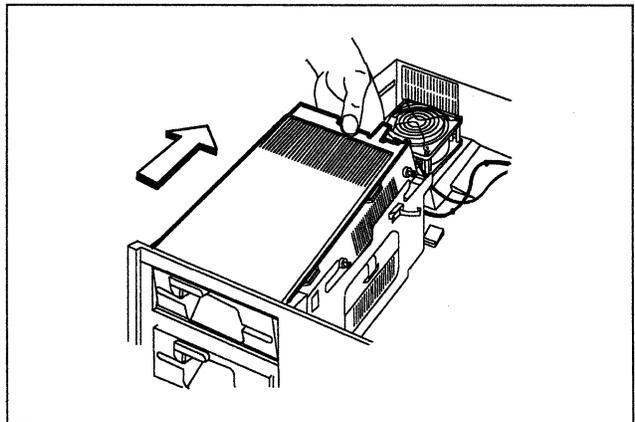
Release the clips over the screws at the sides of drive 2 and pull them open.



10

Slide drive 2 back and lift it away from the controller.

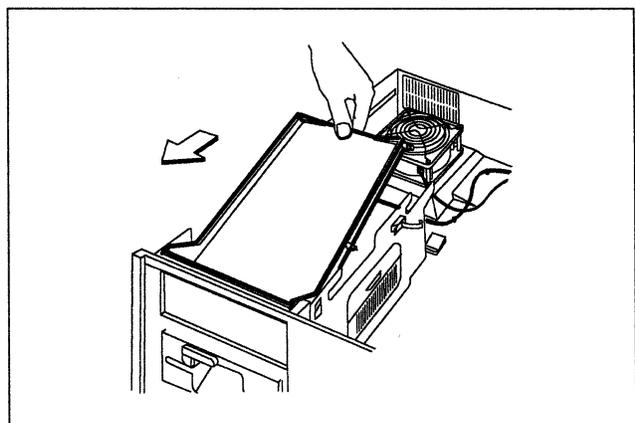
Store the drive according to your company's procedures.



11

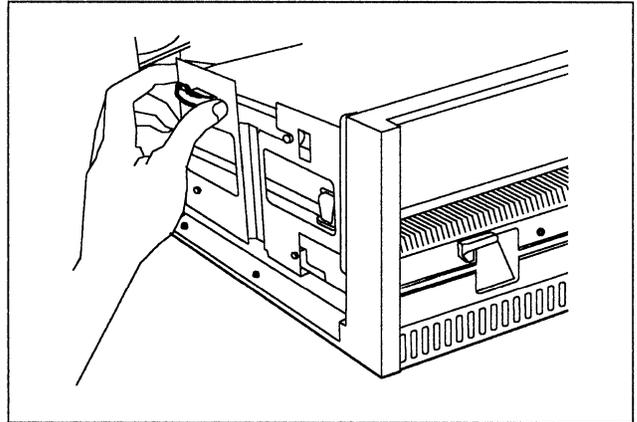
Slide the insert from the kit into the location from which drive 2 was removed.

Be sure that the front of the insert is even with the front of the controller and that the mounting studs are engaged in the slots at the side.



12

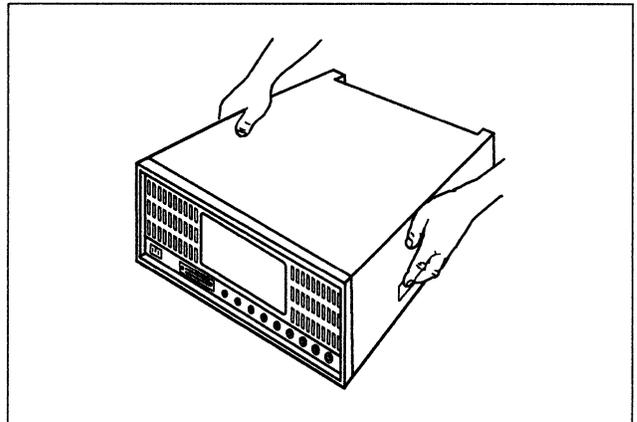
Hook the clips over the rear mounting studs of the insert and press the clips closed.



13

Lift the latches on the sides of the top cover.

Put the top cover back in place, and push the sides slightly inward while pushing the latches down into the locked position.



14

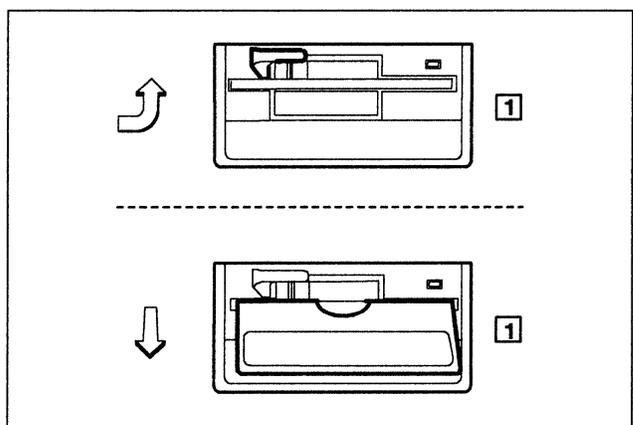
Plug the controller power plug into an electrical outlet.

15

Is there a diskette in drive 1?

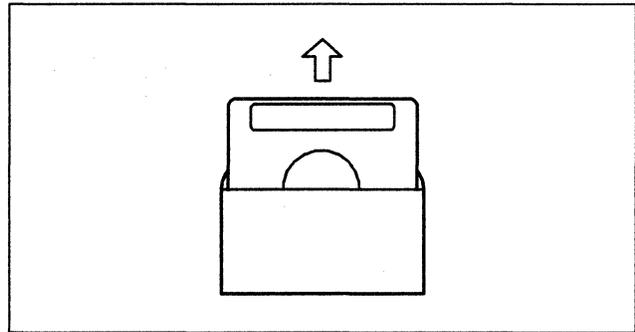
YES Open the lever of drive 1, and remove the diskette.

NO Continue with the next step.



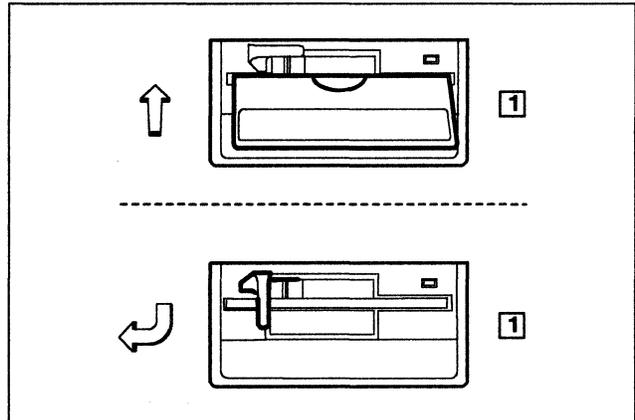
16

Remove the Utility diskette from the protective envelope.



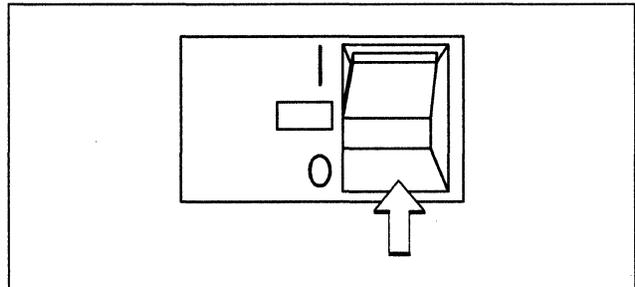
17

With the label facing up, insert the Utility diskette into drive 1 and close the lever.



18

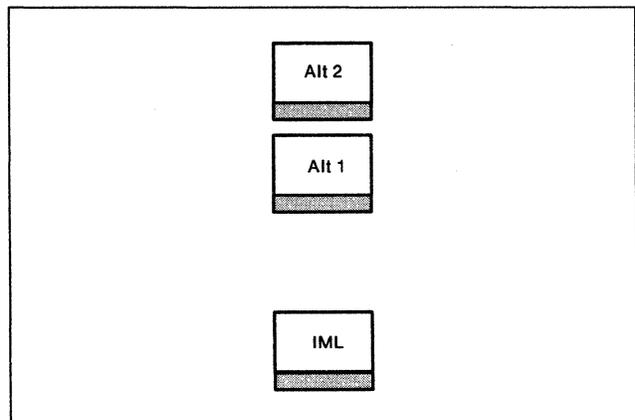
Switch the machine on with the power switch.



19

In the following sequence:

1. Press and hold **Alt 2**.
2. Press and release **IML**.
3. Release **Alt 2**.



20

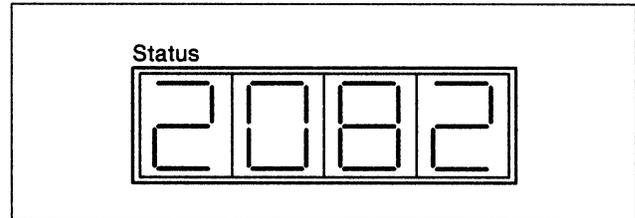
Does 2082 appear on the Status display within 5 minutes?

YES Continue with the next step.

NO Repeat step 19 on page 46.

If 2082 still does not appear, see the *3174 Status Codes* manual, GA27-3832, for a description of the status code displayed.

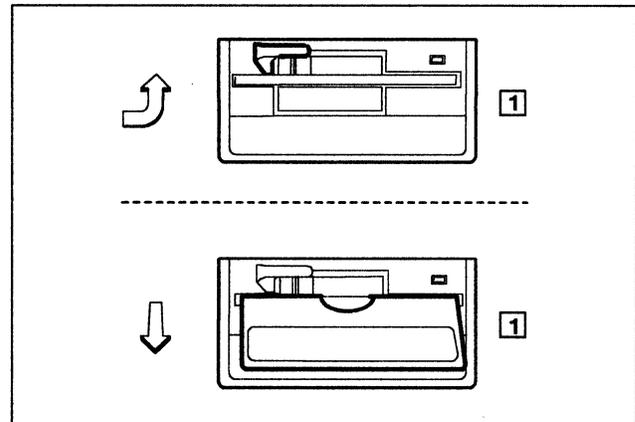
This status code description is also in the first and second editions of the *3174 Models 51R, 52R, and 53R User's Guide*,



21

Open the lever of drive 1, and remove the Utility diskette.

Insert the diskette into its protective envelope, and put it into the diskette storage pocket.



22

Removal of the optional Diskette Drive hardware is complete.

To make the controller operational, see the *3174 Model 51R, 52R, 53R, 61R, 62R, and 63R User's Guide*, GA23-0333.

Publication No. GA23-0263-2

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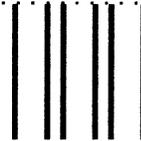
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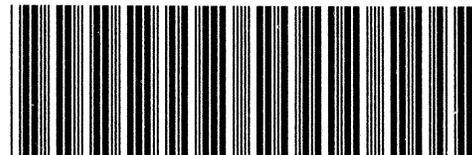




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