Ford Higgins Ltd.

*Power*Frame

INSTALLATION GUIDE

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Microcomputer Systems

PART NO. 20224600

Contents

March 20, 1984

Technical Bulletin No. 1

REGARDING: Booting System

PROBLEM: When the system responds: START? and you type in: NO, the
               system responds again with: START?

SOLUTION: When the system responds: START? type in: N   instead of NO.

NOTE: For your own convenience, please make note of this in your
               Installation Manual.

March 20, 1984

Technical Bulletin No. 2

REGARDING: Booting System

PROBLEM: When the system is booted to unit DMI (fixed) without a formatted
                cartridge in unit DMO, the system will "hang."

SOLUTION: Do not boot a DMI (fixed) disk unless there is a formatted cartridge
                in DMO.

NOTE: For your own convenience, please make note of this in your
                Installation Manual.

March 20, 1984

Technical Bulletin No. 3

REGARDING: RSTS/E Password

PROBLEM: Some users have experienced difficulty when trying to log into
               account 1,2 on the RSTS/E distribution.

SOLUTION: The password is: LIBRA.

NOTE: For your own convenience, please make note of this in your
               Installation Manual.

FCC Compliance

This equipment generates and uses radio frequency energy and if not installed and used properly, i.e., in strict accordance with the operating instructions, reference manuals, and the service manual, may cause interference to radio or television reception. 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 installation. If this equipment does cause interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

1) Reorient the receiving antenna.

2) Relocate the equipment with respect to the receiver.

3) Move the equipment away from the receiver.

4) Plug the equipment into a different outlet so that equipment and receiver are on different branch circuits.

If necessary, consult your dealer service representative for additional suggestions.

The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. It is the responsibility of the user to correct such interference.
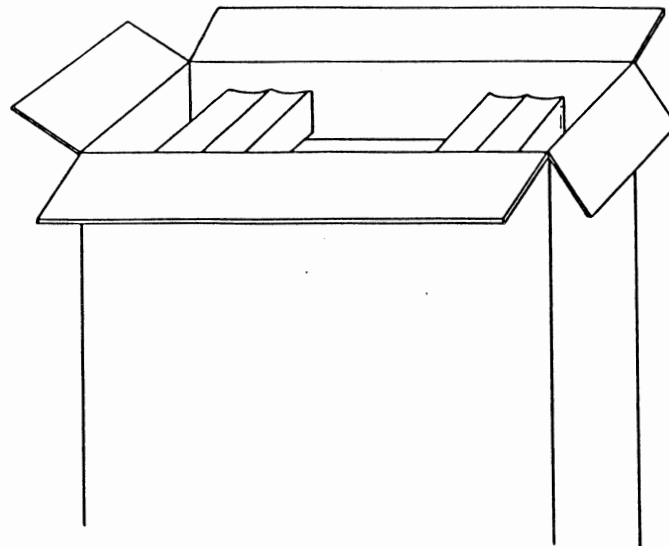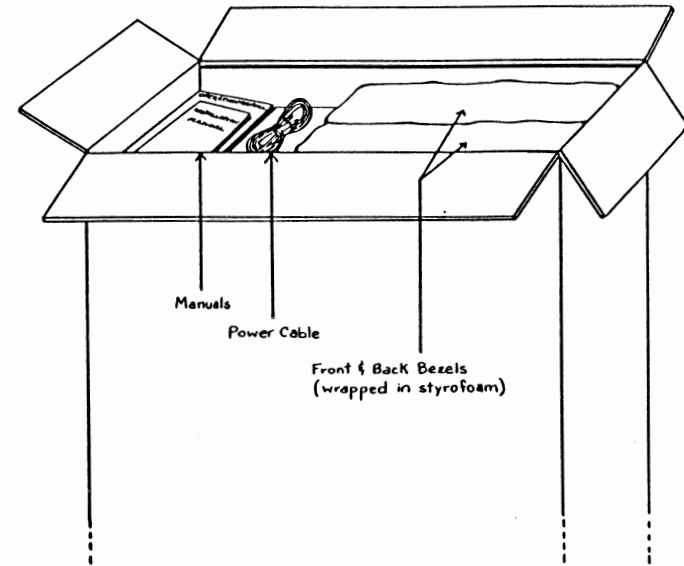
Inspecting
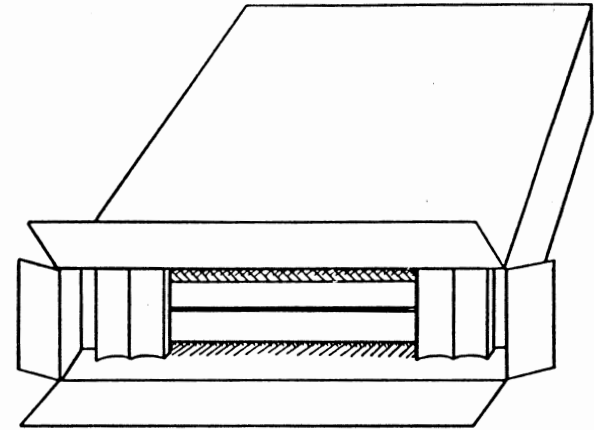
Inspect box for any damage.
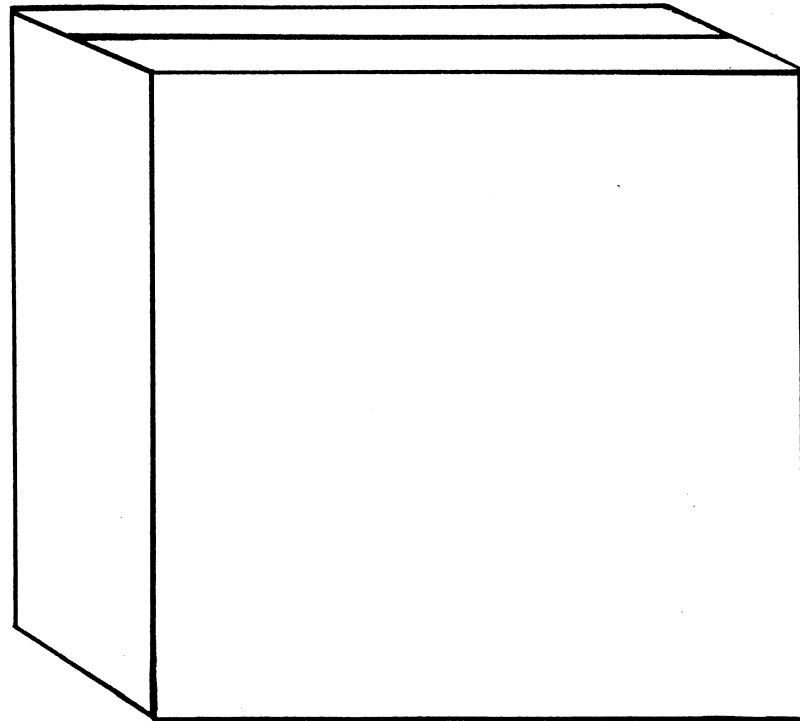
Unpackaging

Open top of box. Remove power cable,
manuals, and front and back bezels (wrapped
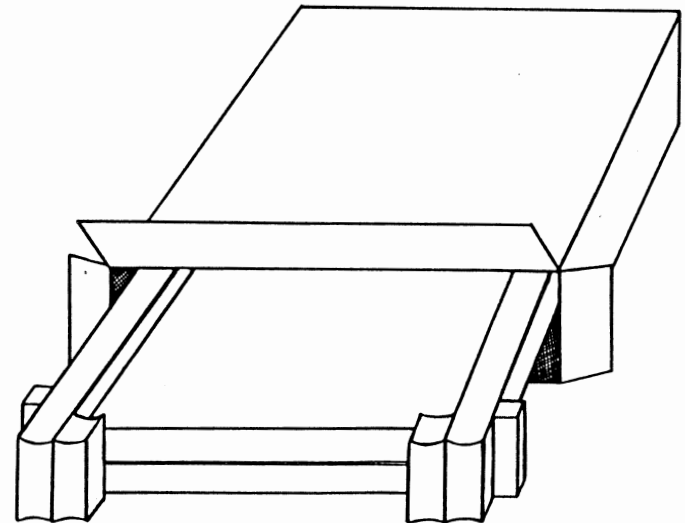in styrofoam) from cardboard shelf.

Manuals

Power Cable

Front & Back Bezels
(wrapped in styrofoam)

Remove cardboard shelf.

Removing Unit

Carefully lay the box down on its side.
CAUTION: The weight of the unit is
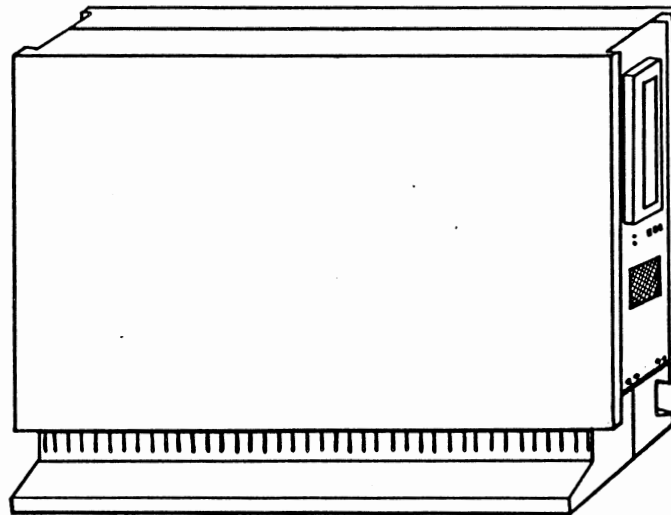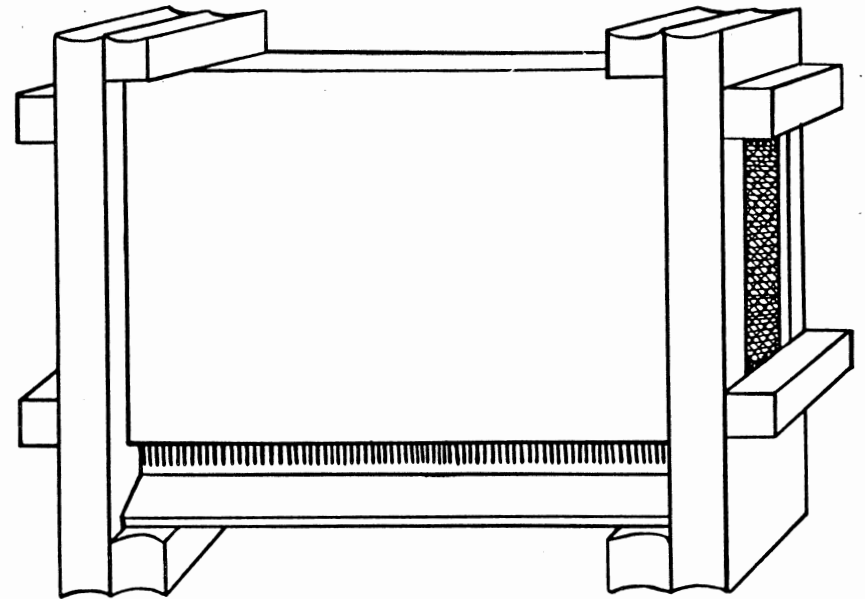approximately 100 pounds.

The unit is packed in a styrofoam shipping
frame. Carefully slide the unit and
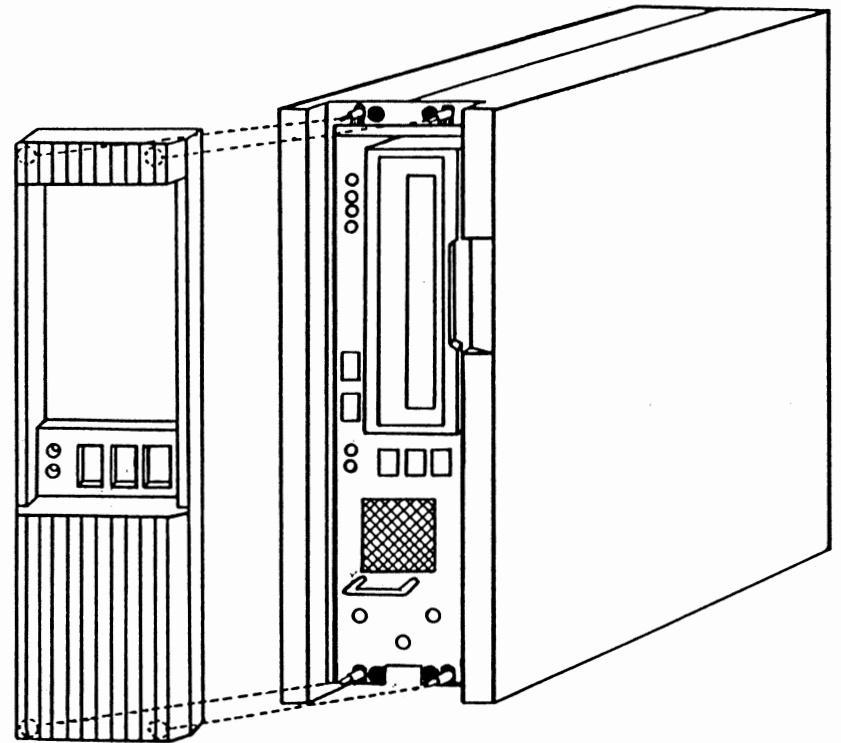styrofoam out of the box.
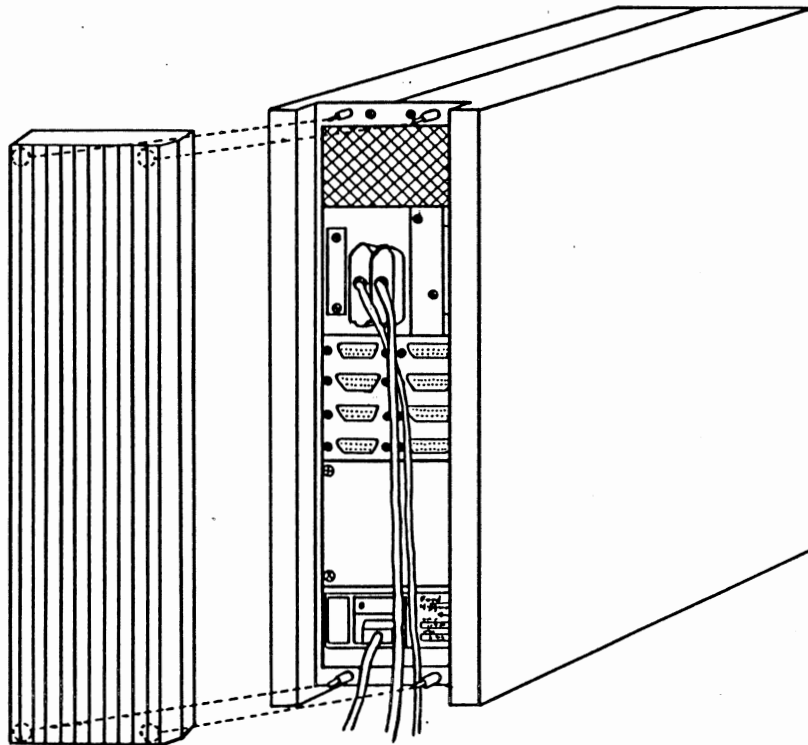
Removing Styrofoam

Tip unit upright.

Remove styrofoam shipping frame.

Attaching Bezels

Attach the front and back bezels to the unit
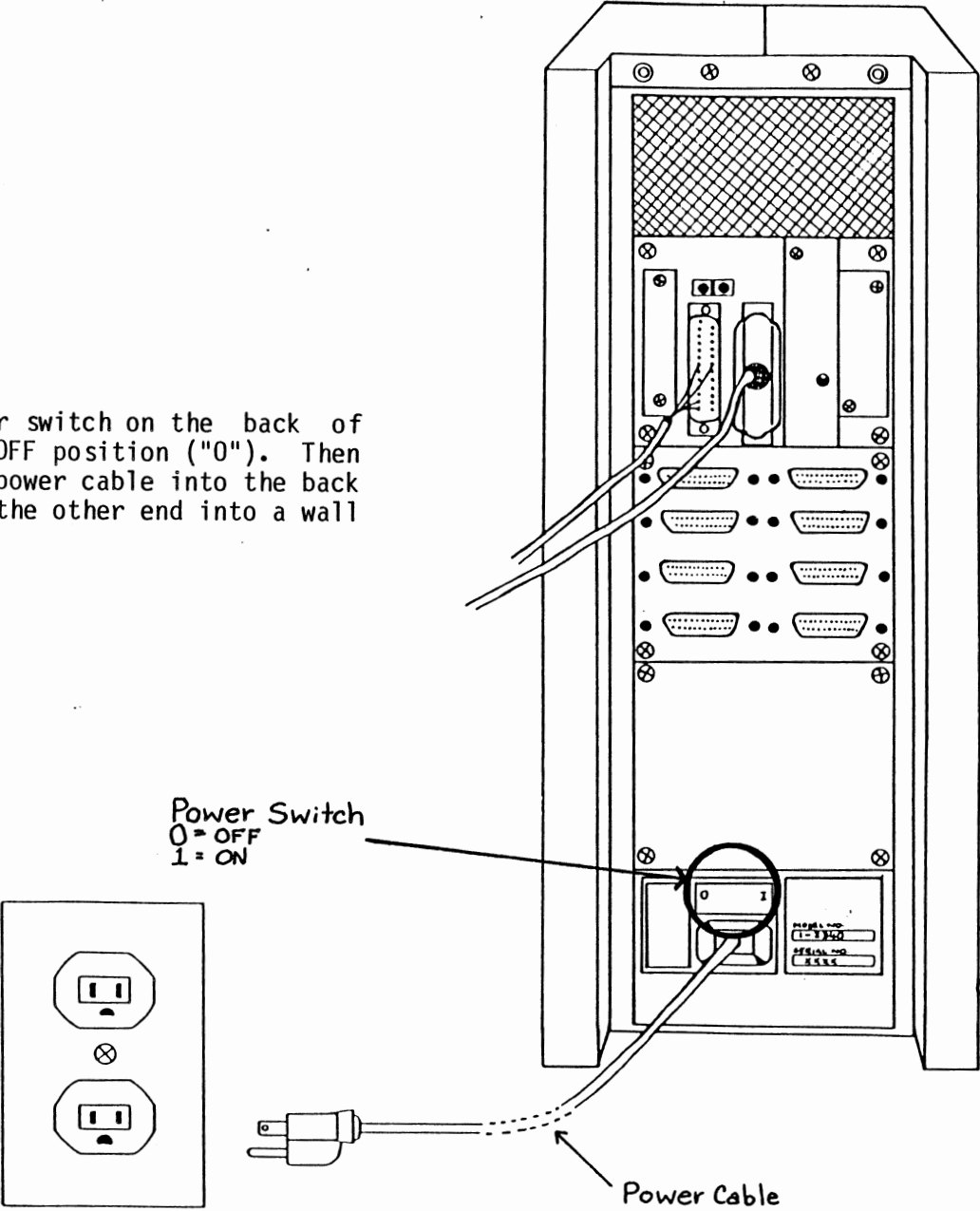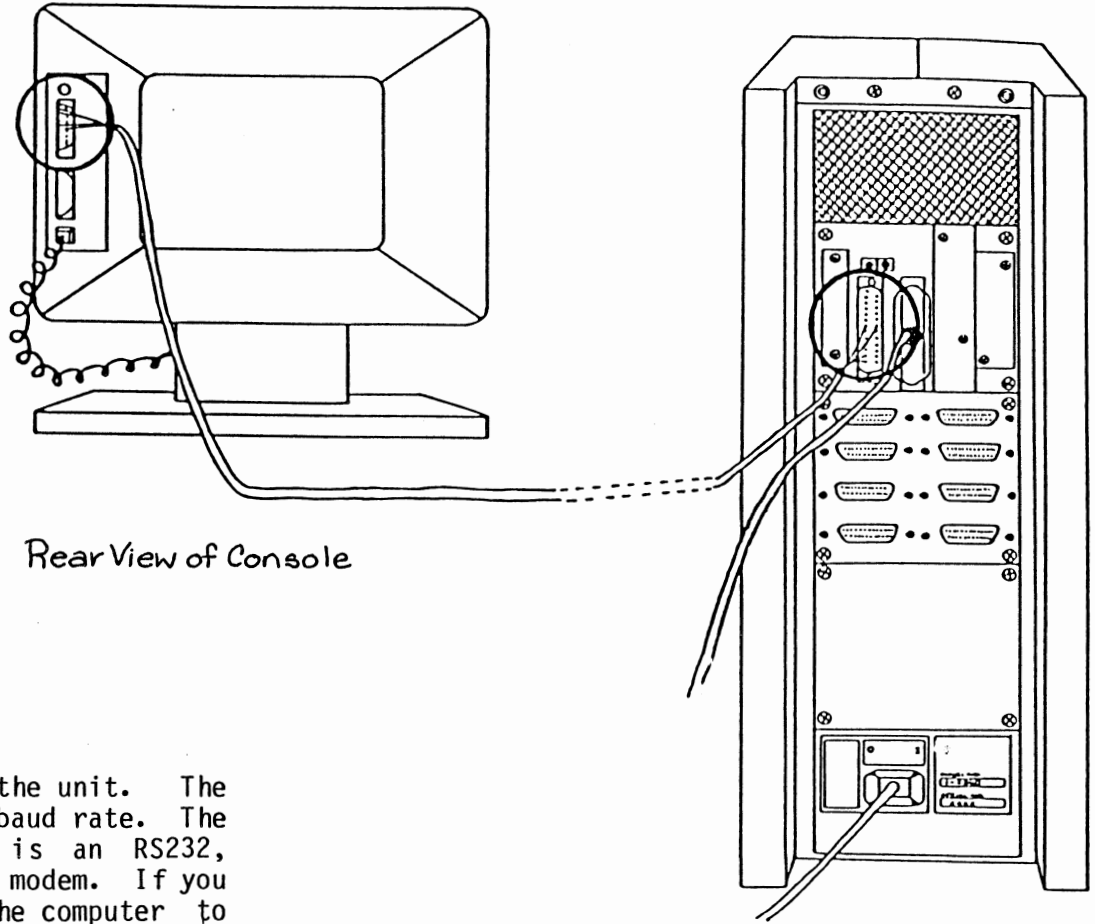as shown in the illustrations.

Front of Unit

Back of Unit

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Plugging In Unit

Ensure that the power switch on the back of the unit is in the OFF position ("0"). Then plug one end of the power cable into the back of the unit and the other end into a wall socket.

Power Switch
0 = OFF
1 = ON

Power Cable

Connecting Console

Rear View of Console

Connect a console terminal to the unit.   The
console should be set at 9600 baud rate.   The
plug at the back of the unit   is   an   RS232,
designed to interface with a modem.   If you
are connecting straight from the computer   to
a terminal, use a "null-modem" cable.

Rear View of Powerframe

Checking Switches

Check the switches below the disk door on the front of the unit. Make sure that the three switches (POWER, BOOT, RUN/HALT) are in the OFF position, which is down. The disk START/STOP switch (to the left of the disk door) should be in the STOP position and the WRITE PROTECT switch (directly above) should be in the OFF position.
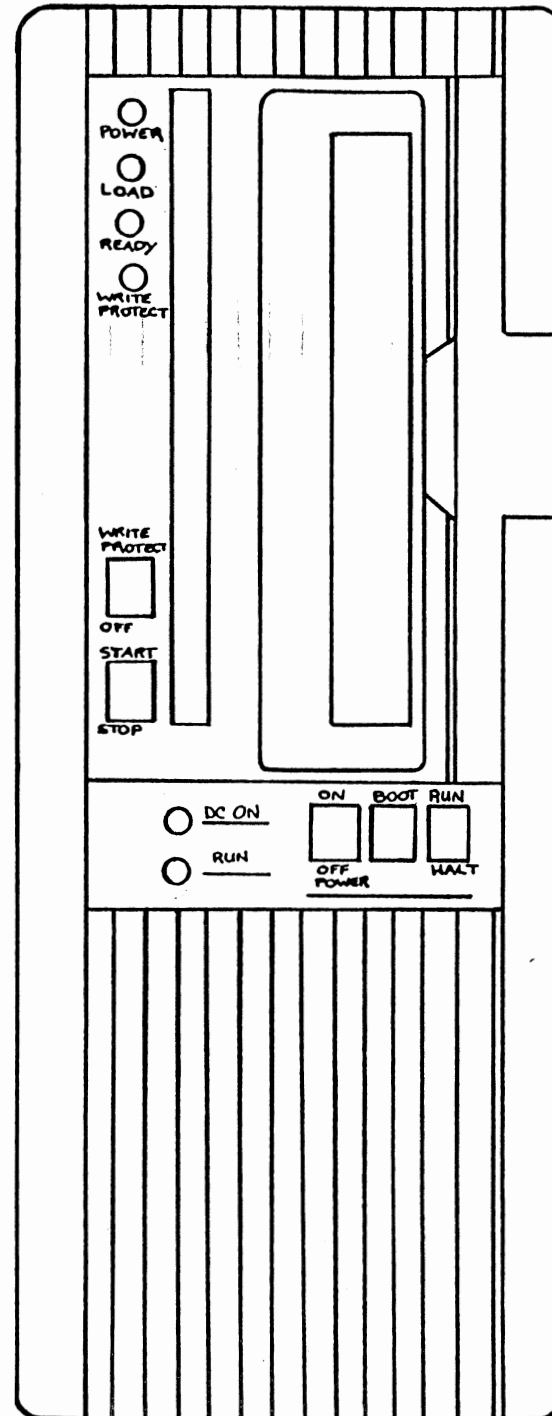
Turning Power On

Turn the POWER switch, located on the back of
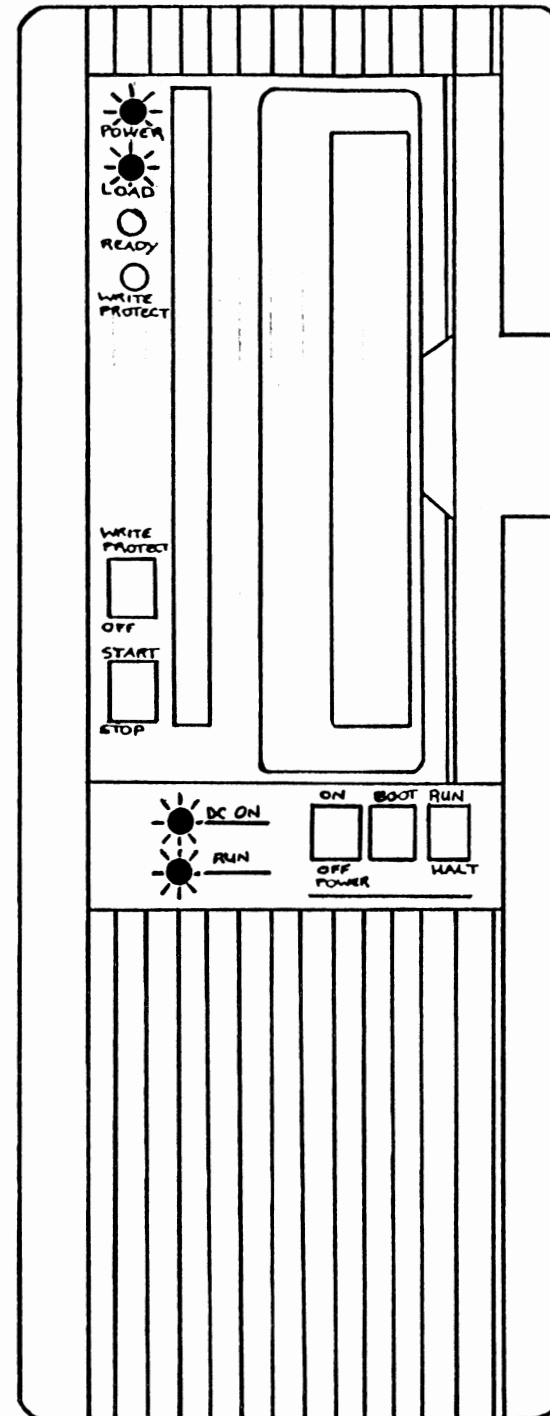the unit, to the ON ("1") position.

Power Switch
O = OFF
I = ON
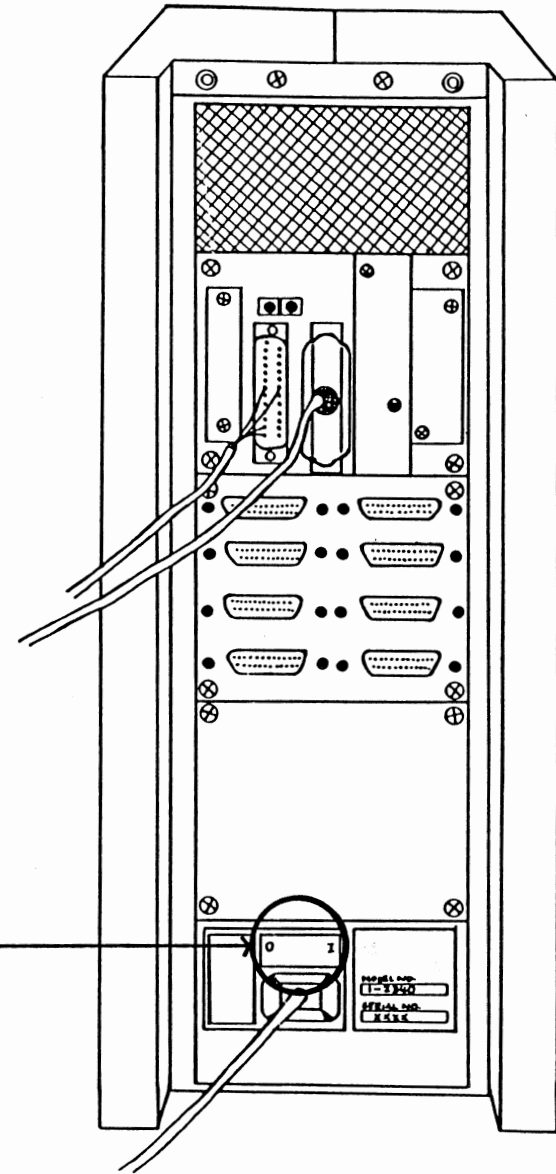
Checking Indicator Lights

Turn the POWER switch on the front of the unit to the ON position.

The POWER, LOAD, DC ON, and RUN lights on the front of the unit should light up. The system will arrive with the disk cartridge already inside, so no insertion is necessary.

Setting Switches

After the terminal is plugged in, put the RUN
switch (on the front of the unit) in the RUN
position. Also, set the START/STOP switch
(to the left of the disk door) to START. The
LOAD light will extinguish when the disk
begins to spin. The READY light will
illuminate when the system is ready to boot.

Booting System
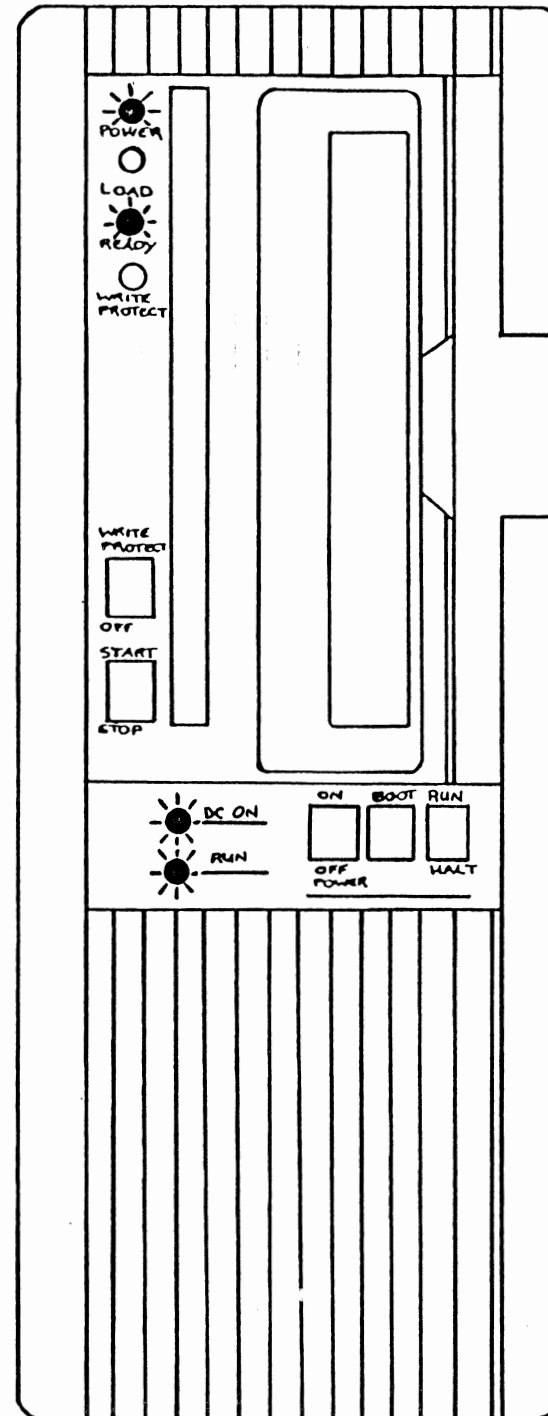
TESTING MEMORY
XXX.KW

Depress the BOOT switch (on the front of the unit) momentarily. On the console screen, the message: TESTING MEMORY will appear. After the memory test, the system will respond with the amount of memory listed in the format: XXX.KW on the following line.
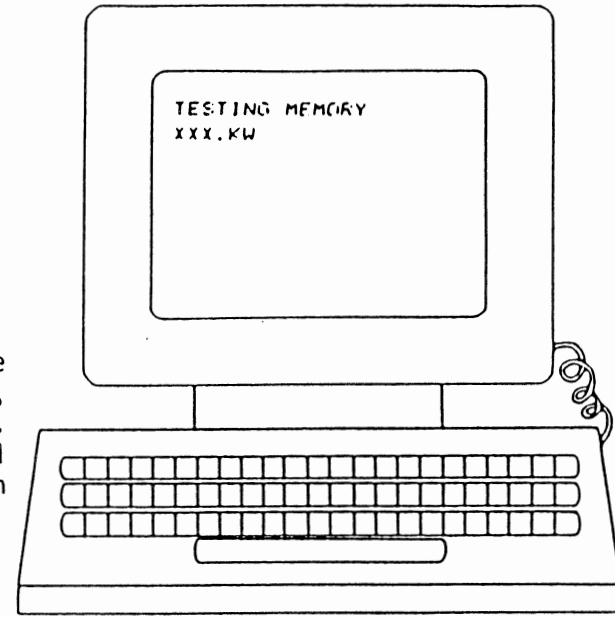
START? Y

Then the system will ask: START? To answer, type in either: Y or DMn ("n" representing the unit to be booted). The removable portion of the disk is unit Ø; the fixed portion is unit 1.

NOTE: Do not boot a DM1 (fixed) disk unless there is a formatted cartridge in DMØ.

The system should now be booted up and ready for use.

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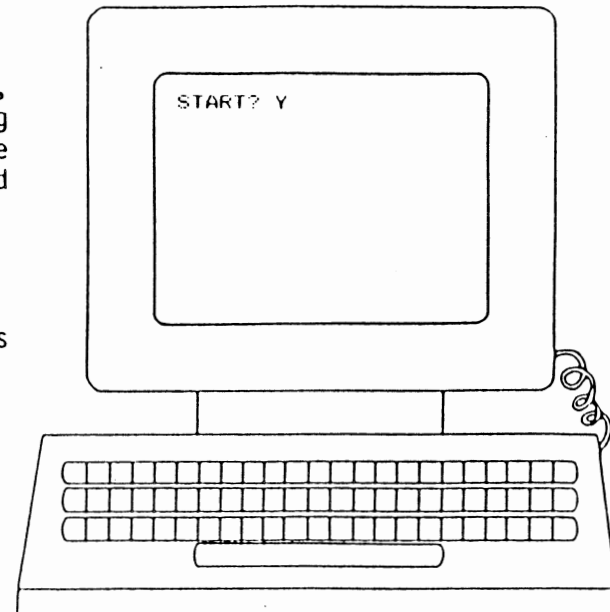
Unlocking Heads
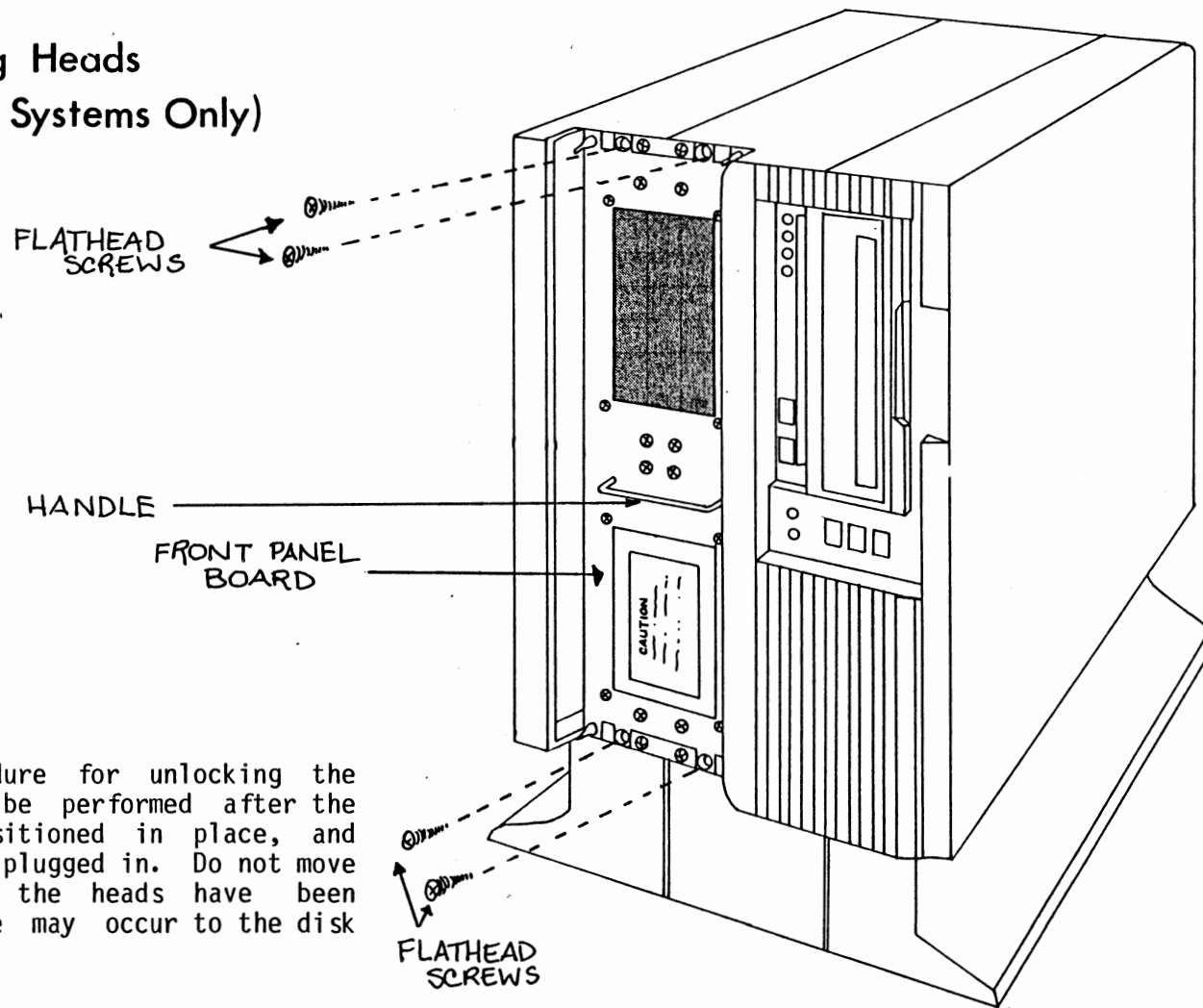# (Double-wide Systems Only)

FLATHEAD
SCREWS

HANDLE

FRONT PANEL
BOARD

CAUTION

The following procedure for unlocking the heads should only be performed after the computer has been positioned in place, and before it has been plugged in. Do not move the computer after the heads have been unlocked, as damage may occur to the disk drive.

STEP 1: Remove the four flathead screws located on the front panel board.

FLATHEAD
SCREWS

DOUBLE-WIDE POWERFRAME
FRONT VIEW

13
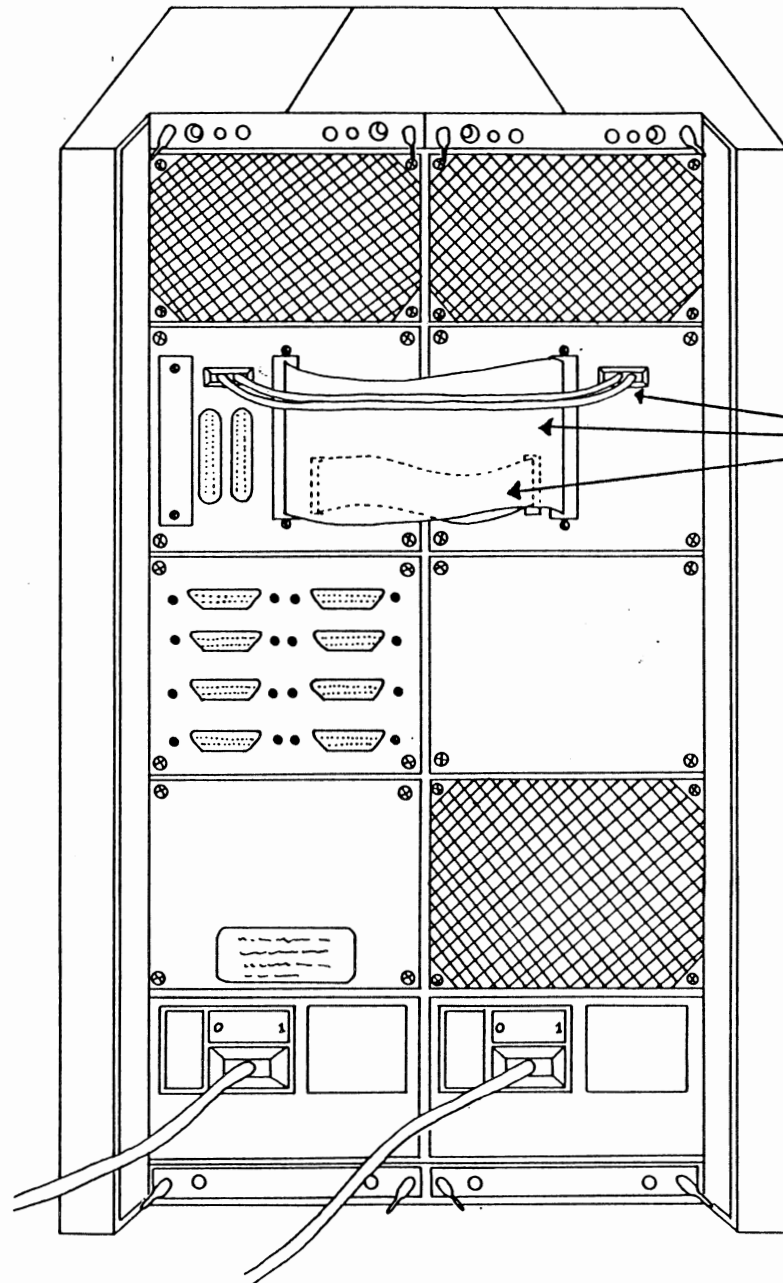
Unlocking Heads

STEP 2: Go around to the back of the PowerFrame and disconnect the three cables connecting the two systems.

3 CABLES CONNECTING
THE 2 SYSTEMS

DOUBLE-WIDE
    REAR VIEW

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Unlocking Heads

STEP 3: Grasping the metal handle on the front panel board, carefully slide the unit out until the entire disk is visible. On the bottom of the disk is a white plastic knob. When this knob is in the ON position, the heads are locked. When in the OFF position, they are unlocked. Turn the knob to the OFF position to unlock the heads.

STEP 4: Once the heads are unlocked, carefully slide the unit back into the case.

WHITE PLASTIC KNOB — HEAD LOCK SWITCH

DISK

METAL HANDLE
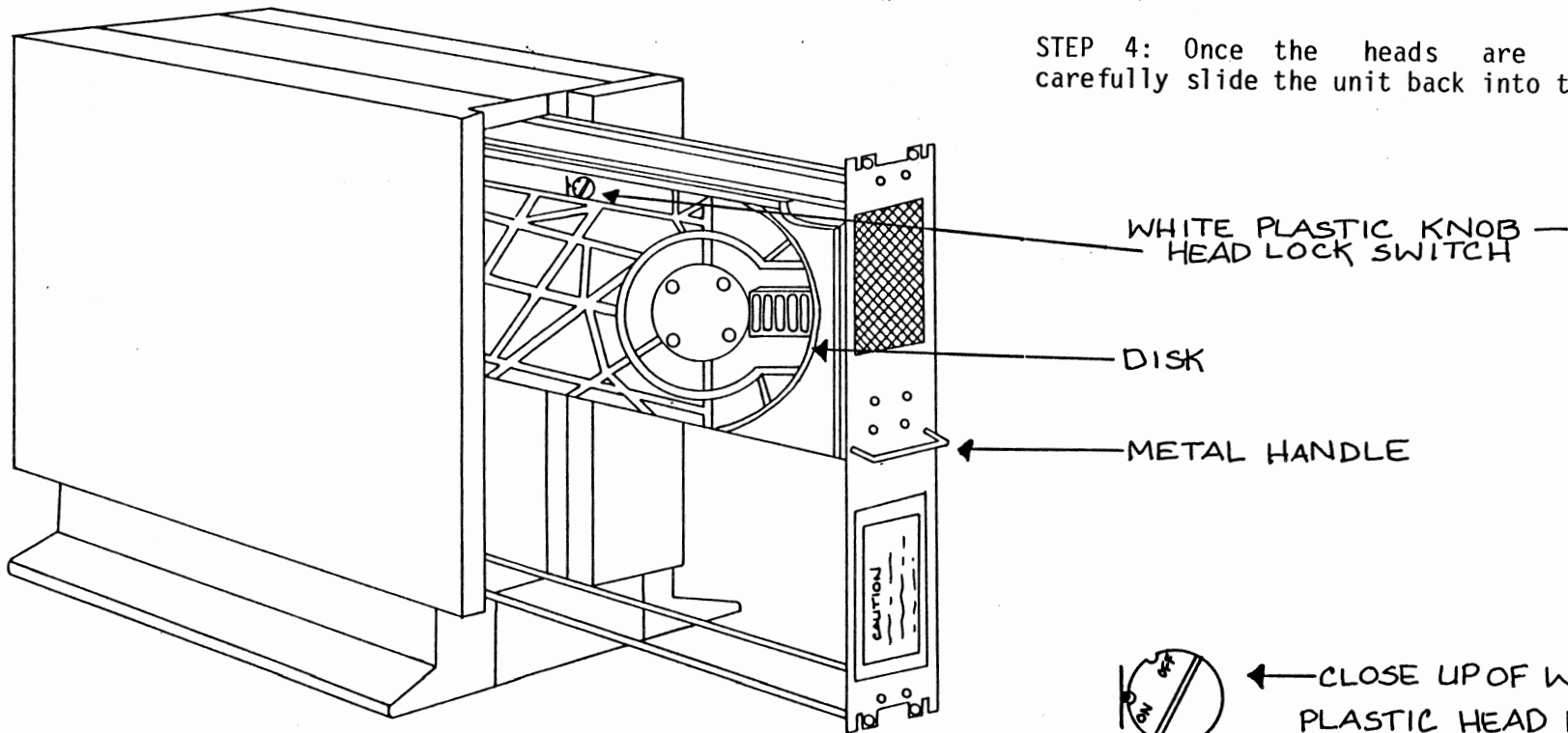
DOUBLE-WIDE POWERFRAME
FRONT VIEW

CLOSE UP OF WHITE PLASTIC HEAD LOCK SWITCH. TO UNLOCK HEADS, TURN SWITCH (SHOWN IN THE "ON" POSITION) TO "OFF."

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Unlocking Heads

STEP 5: Reconnect the three cables at the back of the unit which connect the two systems.

STEP 6: Replace the four flathead screws on the front panel.

STEP 7: Plug the unit into a wall receptacle and turn it on.

3 CABLES

TO WALL RECEPTACLE

4 FLATHEAD SCREWS
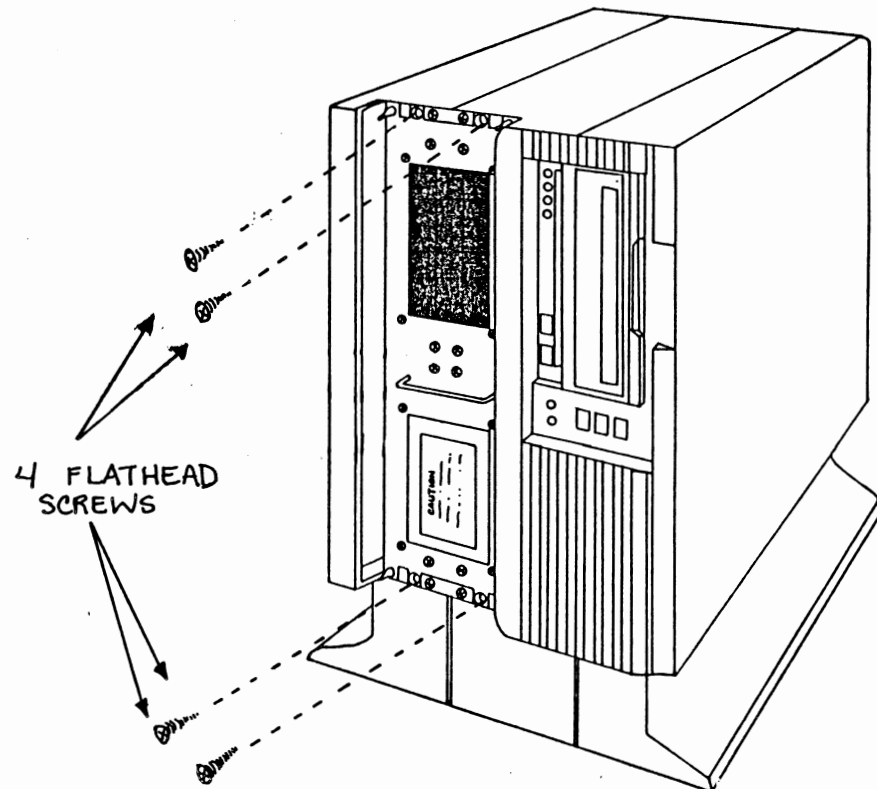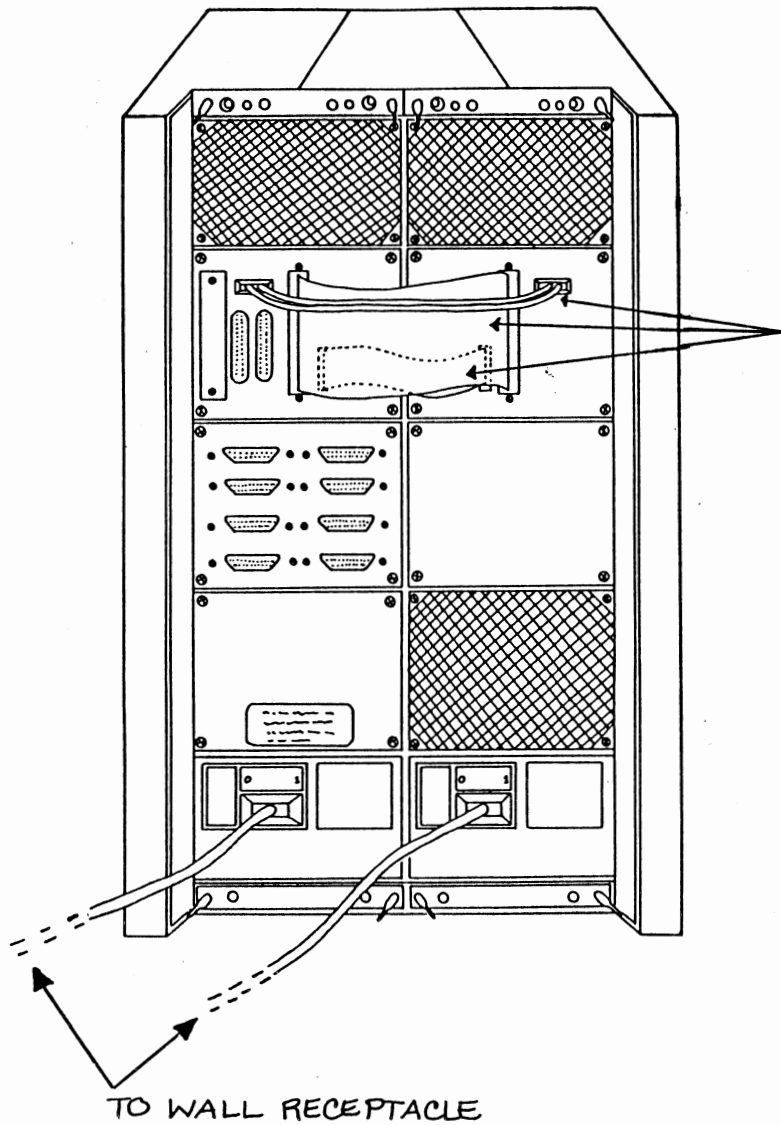
Please take a few minutes to complete this form. Your responses and comments will help us to improve the quality and usefulness of our publications.

Is the manual clear, complete and easy to understand? _____

_____

_____

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Which features of the manual are the most useful? _____

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Did you find any problems or errors? _____

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Does the manual address your questions and answer them competently? _____

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Do you have any other general comments? _____

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