

HP 3000 Computer Systems



**HP 3000 SERIES 37
SOFTWARE INSTALLATION MANUAL**

For The Cartridge Tape Software Media Option



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GETTING STARTED

SECTION

1

This manual contains the procedures for installing the software on your new HP 3000 Series 37 Computer System. Read this manual completely at least one time before performing the steps described.

If you encounter any serious problems during the installation contact your HP Response Center or HP Sales Office. Your call will be directed to the appropriate support person for assistance.

Prior to installing the software, you should have already successfully completed the hardware installation as described in the HP 3000 Series 37 Customer Installation Guide (Part No. 30457-90001).

Your HP 3000 Series 37 Computer System is composed of at least the following devices:

- An HP 32449A System Processor Unit (this is the computer).
- An HP 7945A Disc Drive.
- An HP 9144A Cartridge Tape Drive.
- A terminal such as the HP 2392A Terminal.

Although you may have received and connected more devices than those listed above, this is the minimum set required for the procedures described in this manual to be successful.

Figure 1-1 shows a typical HP 3000 Series 37 Computer System composed of the minimum set of devices listed on the previous page, plus a line printer.

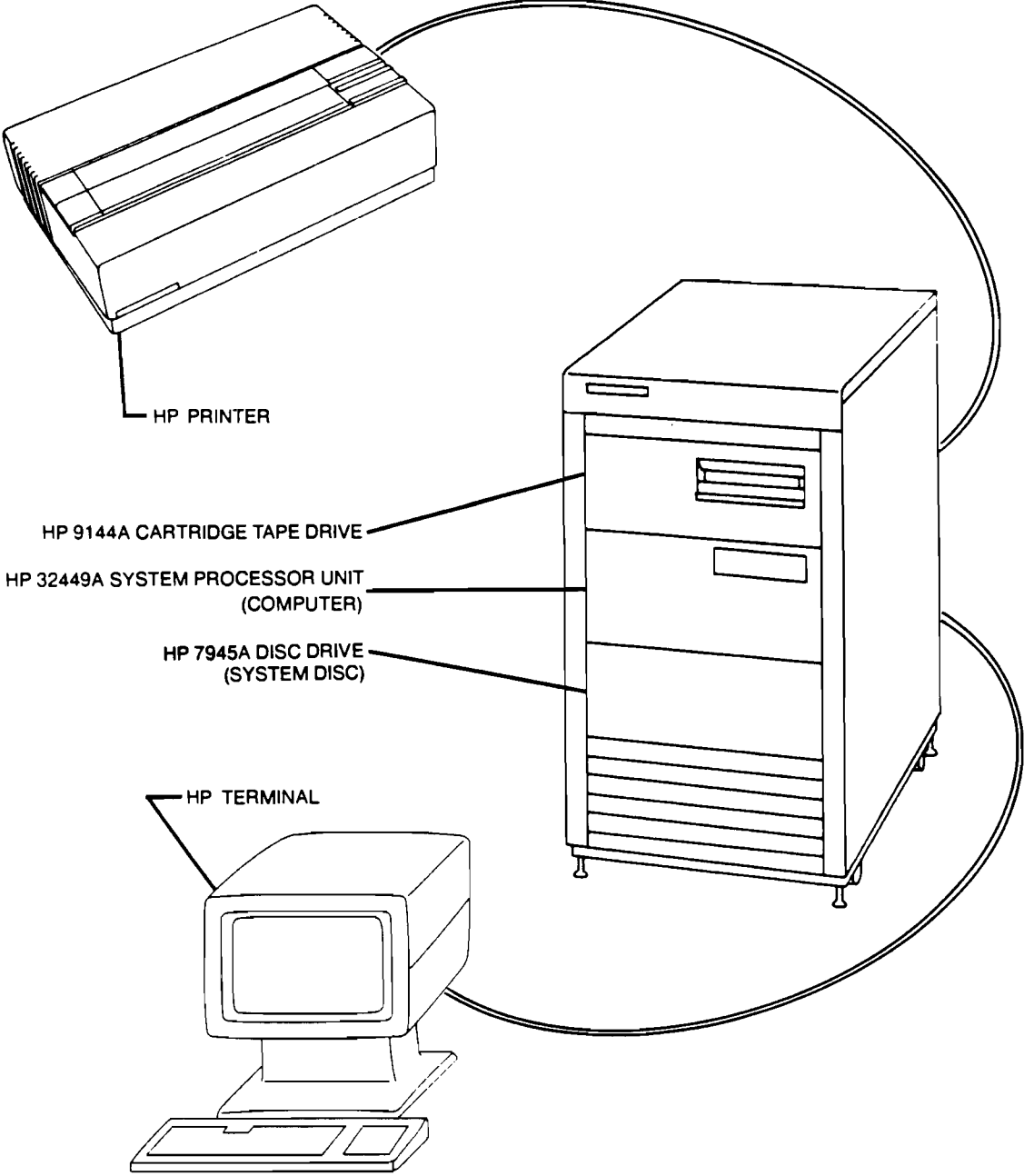
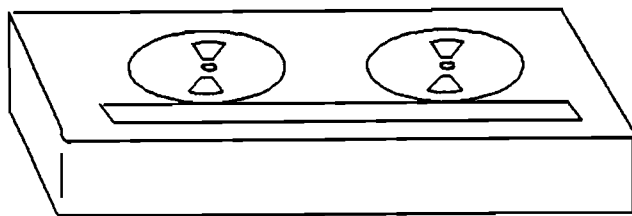


Figure 1-1. Typical HP 3000 Series 37 Computer System.

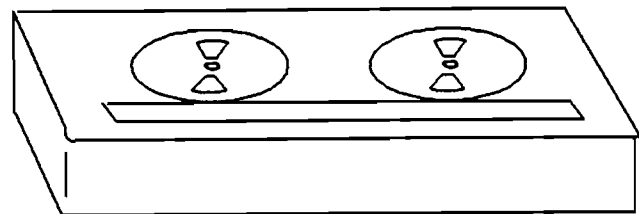
The software for your HP 3000 Series 37 Computer System is shipped on two cartridge tapes labeled FOS (Fundamental Operating Software) and SUBSYS. You received a SUBSYS tape only if extra software products (subsystems) were ordered for your site.

Two blank tapes are shipped with the system. One of them will be used later in the installation procedure; it is especially prepared or "initialized". Use only this tape and not any ordinary blank tape. (You will recognize the initialized blank cartridge tape by the red dot sticker on the back edge.)

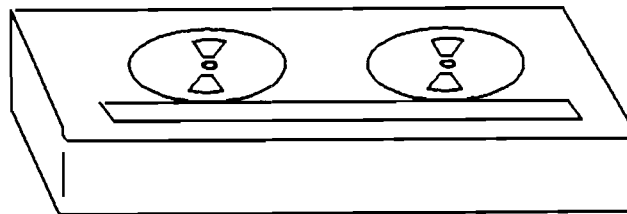
Figure 1-2 shows the three cartridge tapes that are used during the installation.



FOS



SUBSYS



INITIALIZED BLANK TAPE

Figure 1-2. Cartridge Tapes supplied with your HP 3000 Series 37.

The software installation is done by copying all the software from the FOS and SUBSYS tapes onto the system disc of your HP 3000 Series 37 Computer System. After that, you will create a "COLDLOAD" tape, using the initialized blank tape. The COLDLOAD tape will hold all the software and vital system information that you must load into the computer system before it can be used. The software installation is not complete until the system is started with the COLDLOAD tape.

The entire installation should take from two to three hours depending on the amount of extra software ordered and shipped to your site.

The SUBSYS tape contains the extra software products (subsystems) that were ordered for your installation. Inspect the packing list accompanying the order; if you ordered additional software products then they should be listed on the packing list. The list may include software products that you can install and software products that you cannot install. Software products are considered customer installable, or non-customer installable, depending on the amount of training or experience necessary for their installation. However, even if non-customer installable software products are contained on the SUBSYS tape, you can still install the customer installable software products yourself.

- Almost all of the software products normally included with a new HP 3000 computer are installed automatically during the course of this installation.
- The following software products are considered customer installable; little training or experience is necessary to install them. If you wish to install these products you will find detailed installation procedures for each in the appendices at the back (you will be referred to the appendices later in this manual).

HPSPELL/3000
SPEECH LIBRARY/3000
HPMENU/3000
INFORM/3000 INTERACTIVE TRAINING FACILITY
TDP/3000

- The following software products are not considered customer installable; contact your HP Response Center for assistance with their installation.

HPDESKMANAGER/3000
HPWORD/3000
HPTELEX/3000

- The following data communication products are not considered customer installable because they require I/O configuration changes. However, the software for these products is installed automatically. Contact your HP Response Center for assistance with their installation.

IMF/3000
RJE/3000
DSN/DS/3000
DSN/X.25/3000
MRJE/3000
NRJE/3000

HP Computer Museum
www.hpmuseum.net

For research and education purposes only.

TURN THE COMPUTER ON

SECTION

2

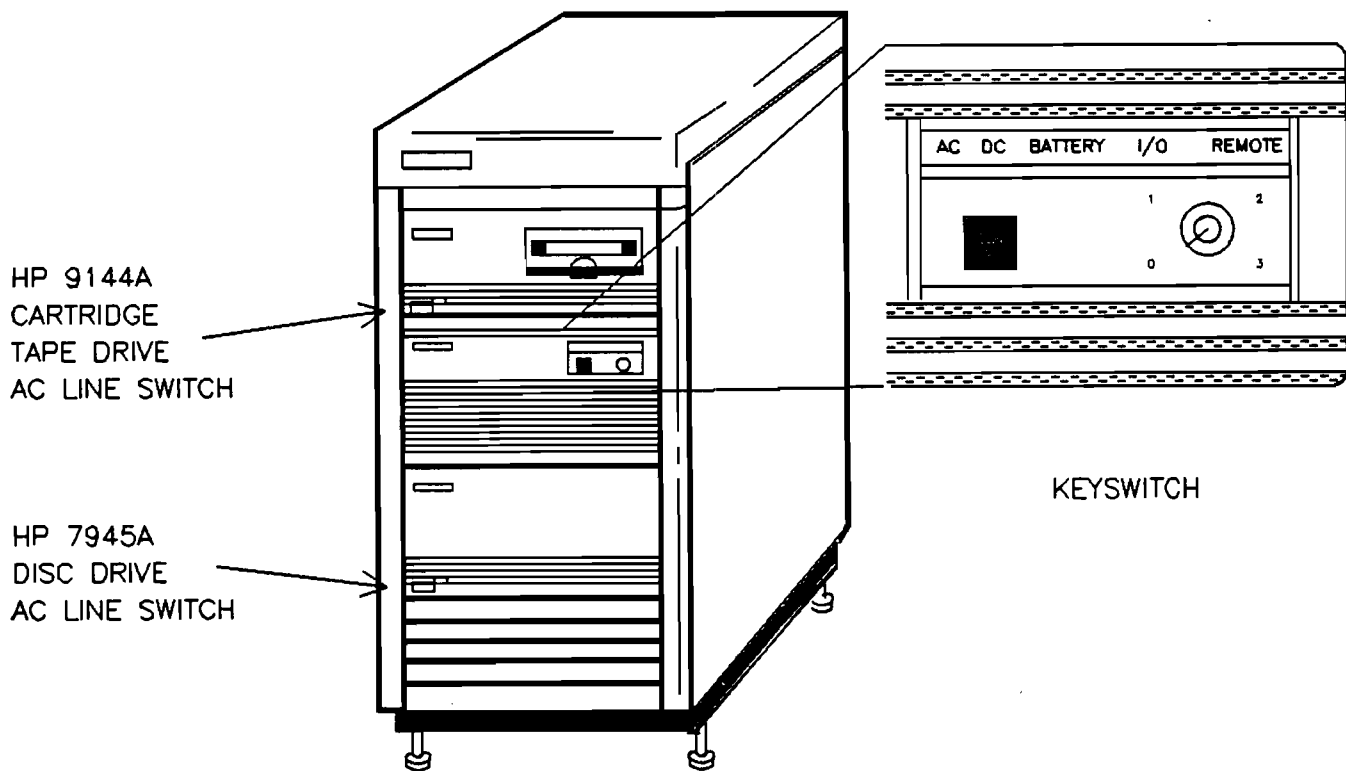


Figure 2-1. Front view of HP 3000 Series 37.

1. Locate the power button or switch on your console terminal and turn it on; the terminal will take approximately one minute to warm up.
2. Power on the HP 7945A Disc Drive by pressing its power button (AC LINE SWITCH; see Fig. 2-1) into the recessed position. The red and green lights on the right front will flicker as the drive starts up; the green light will remain on after that. Note: if you have connected a second HP 7945A do not turn it on at this time; if it is turned on then turn it off; you will be instructed to turn it on at the end of the installation procedures.
3. Power on the HP 9144A Cartridge Tape drive by pressing its power button (AC LINE SWITCH; see Fig. 2-1) into the recessed position. The green and red lights on the right front (BUSY and FAULT lights; see Fig. 3-1) will flicker for a short time and then both will turn off.
4. If you have installed one or more line printers then locate their power buttons or switches and turn them on.

5. Insert the key in the keyswitch. Turn the key clockwise to the position marked "1". The red and green DC, BATTERY, I/O, and REMOTE lights will flicker as the computer starts up; after a short time only the DC light will remain on. The red light display to the left of the keyswitch will change from "5" to "B" to "C" and then finally to "A". After a few moments the following will be displayed on the console terminal: *

```
Power on Self Test
Memory Test passed
Number of banks = n
Slot 1 channel 1 - Terminal Interface Controller
Slot 4 channel 4 - Peripheral Interface Channel

1-NORMAL
H for help->
```

- * The line Slot 3 Channel 3 - Terminal Interface Controller will be displayed if you have connected an Add-On ATP-37.

Throughout this manual you will be instructed to type in commands using the keyboard connected to the console terminal. These commands allow you to control the installation process. If you should accidentally misspell a command -- if you type it in incorrectly and press RETURN -- the computer will indicate the error to you and then give you another chance to enter the command correctly.

Before beginning the installation process, you must ensure that all the hardware devices were installed as indicated in the HP 3000 Series 37 Customer Installation Guide. To do this, you will use the TEST and IOMAP commands to cause the computer to display on the console terminal a list of the hardware devices that are connected to it.

6. Type TEST and press RETURN:

```
H for help->TEST
```

The following will then be displayed:

```
ROM Versions: 1.2444 2.2444 4.2444

Selftest Menu:

AL[1] [ count ]
CH[an] [ count ]
CP[u] [ count ]
E[xit]
I[omap] [ count ]
M[emory] [ count ]
PON [ count ]

1-NORMAL
Test ->
```

7. Type IOMAP and press RETURN:

```
Test ->IOMAP
```

8. A "System I/O Configuration", like the one listed below, will now be displayed on the console terminal. Compare the configuration displayed on the console terminal against the listing below.* You must find an exact match on the console terminal for each one of the lines shaded in the listing. Since all systems are not connected with the same amount or kind of hardware, the display and the listing may not match line for line.

```
Number of banks = n
```

```
Load:          Channel 4 Device 3
```

```
Start/Dump:    Channel 4 Device 1
```

```
Slot 1 Channel 1 ID = 4 - Terminal Interface Controller
```

```
Slot 4 Channel 4 ID = 2 - Peripheral Interface Channel
```

```
Device 1 ID = 0220 - 7945 Disc Drive
```

```
Device 2 ID = 0240 - 7945 Disc Drive
```

```
Device 3 ID = 0260 - 9144 Cartridge Tape Unit
```

* The System I/O Configuration displayed with the IOMAP command will show only those devices connected over the HP-IB interface. If you have any devices connected over the Terminal Interface Controller (TIC) RS-232-C interface then they will not be shown. Also, if you have connected a second HP 7945A Disc Drive, it will not be displayed here because you were instructed to turn it off.

- If you see a match for each one of the shaded lines then the hardware devices are correctly connected and the rest of this software installation can now be performed.
- If you do not see a match for each one of the shaded lines then this software installation cannot be successfully performed. Consult the HP 3000 Series 37 Customer Installation Guide and verify that all the steps in that manual were performed correctly. If you still cannot find the problem then call your HP Response Center for assistance.

The following will now be displayed on the console terminal:

```
1-NORMAL
```

```
Test ->
```

9. Type EXIT and press RETURN:

```
Test -> EXIT
```

The following will then be displayed:

```
1-NORMAL
```

```
H for help ->
```

10 . Proceed to Section 3.



INSERT THE FOS TAPE

1. As shown in Figure 3-1 below, insert the FOS tape into the cartridge tape drive. As soon as the tape is fully inserted, the cartridge tape drive will automatically make the tape ready for use by winding it all the way forward and then all the way back to the beginning. The BUSY light will turn on and stay lit until the tape is ready to be used. This will take 3 or 4 minutes.
2. When the BUSY light turns off, proceed to Section 4.

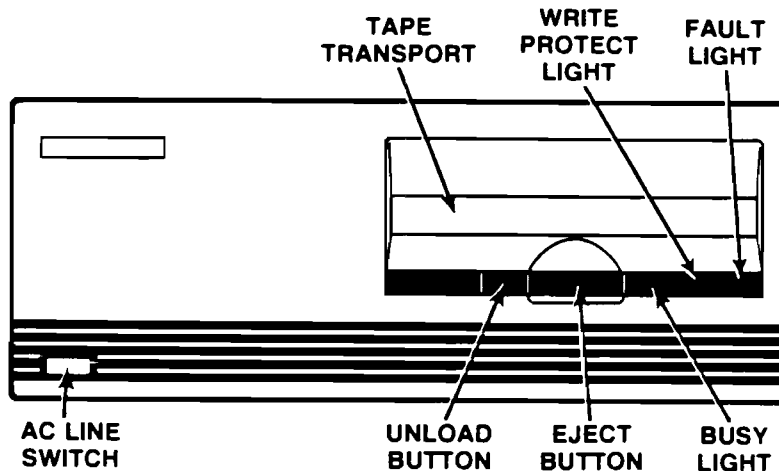
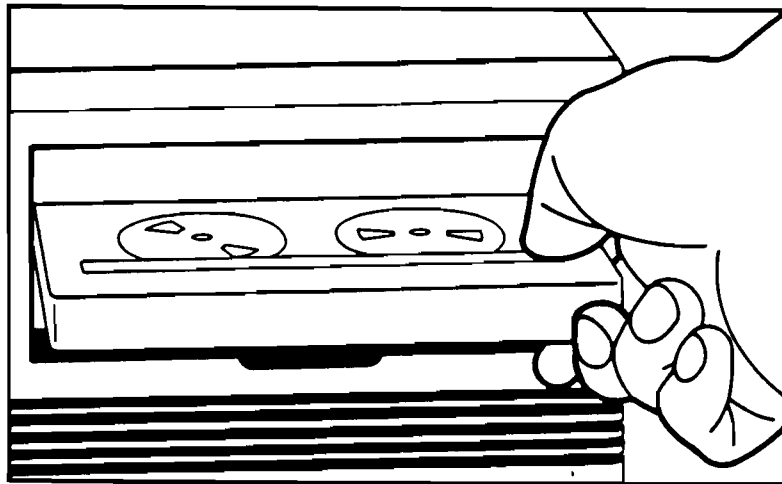


Figure 3-1. Insert the FOS tape.



1. Type in the command NEW and press RETURN:

```
H for help ->NEW
```

The I/O light on the front of the computer will flicker and after one or two minutes the following message will appear on the console terminal:

```
HP32033G.01.00  
** PERFORMING A RELOAD FOR A NEW INSTALLATION **  
  
**WARNING** AFTER THIS POINT DO NOT INTERRUPT THE STARTUP PROCESS UNTIL  
AFTER THE MESSAGE " *WELCOME* " APPEARS
```

CAUTION

Do not interrupt the startup process by turning the keyswitch to any other position but 1, or turning the power off.

Now, for the next thirty-five minutes, the computer will automatically perform the copying and loading of all the software contained on the FOS cartridge tape.

The following progress messages will appear on the console screen during the FOS installation process:

```
INITIALIZATION OF DISC FREE SPACE MAPS COMPLETED  
DIRECTORY MAINTENANCE COMPLETED  
LOADING OF SYSTEM FILES IN PROGRESS  
LOADING OF SYSTEM FILES COMPLETED  
RELOAD OF USER FILES IN PROGRESS  
RELOAD OF USER FILES COMPLETED  
PART 1 OF 6 COMPLETE - MEMORY RESIDENT TABLES SET UP  
PART 2 OF 6 COMPLETE - SL BINDING  
PART 3 OF 6 COMPLETE - SYSTEM I/O PROCESS CREATION  
PART 4 OF 6 COMPLETE - DRIVER LOADING  
PART 5 OF 6 COMPLETE - DISC RESIDENT TABLES SET UP  
PART 6 OF 6 COMPLETE - SYSTEM PROCESS CREATION  
BANK 0 DEPENDENT MEMORY USED - nnnnn
```

The FOS tape installation is complete after the last of these messages has been displayed.

If you should encounter any problems with the steps in this section, or if the message you are waiting for is never displayed, then contact your HP Response Center or HP Sales Office. In particular, when you call the Response Center inform them that you had a problem with the NEW command.

2. Proceed to Section 5.



SET THE DATE AND TIME

The following will now be displayed (what you will see displayed is the date and time as pre-set in the computer, not necessarily the date and time shown below):

TUE, OCT 15, 1985, 12:05 PM? (Y/N)

The HP 3000 Series 37 Computer System is asking you if this is the correct date and time.

NOTE

If you fail to respond within sixty seconds after the date and time are displayed then the system will automatically assume that the displayed date and time are correct. If you are unable to respond within the sixty-second time limit, and an incorrect date and time are automatically set, then you must wait until SECTION 11, "TYPE IN THE COMMAND 'COLD'" or APPENDIX A, "INSTALL HPSPELL/3000", before you can set the correct date and time.

- If the displayed date and time are correct then type YES and press RETURN (Y, y, yes, or merely pressing RETURN are also accepted affirmative responses). Proceed to Section 6.
- If the displayed date and time are not correct then type NO (N, n, and no are also accepted negative responses). The following will then be displayed:

DATE (M/D/Y)?

1. Type in the correct date in the following format:

mm/dd/yy

where:

mm - is one or two digits representing the month of the year.

dd - is one or two digits representing the day of the month.

yy - is one or two digits representing the year of the century.

For example, if the current date is Wednesday, October 16, 1985, then type 10/16/85 and press RETURN.

Once the date has been accepted by the system, the following will be displayed:

TIME (H:M)?

2. Type the correct time of day (in 24-hour clock format) in the following manner:

hh:mm

where:

hh - is one or two digits indicating the hour of the day.

mm - is one or two digits indicating the minute of the hour.

For example, if the current time is 4:30 PM, then type 16:30 and press RETURN.

3. You will then be asked to verify that the new date and time are correct. According with the above date and time examples, the following would be displayed:

WED, OCT 16, 1985, 4:30 PM? (Y/N)

If the date and time, as you see them displayed, are correct then type YES and press RETURN; otherwise, type NO, and then repeat the steps in this section to set the correct date and time.

4. Proceed to Section 6.

TYPE IN THE COMMAND 'RUN AUTOINST.PUB.SYS'

SECTION

6

If you ordered a SUBSYS tape with additional software products but it has not yet arrived then do not continue with the installation procedures.

The following should now be displayed on the console terminal:



```
LOG FILE NUMBER 0 ON
*WELCOME*
:HELLO MANAGER.SYS;HIPRI
time/pin/SP#6/SPOOLED OUT
time/pin/SP#25/SPOOLED OUT
time/#Sn/pin/LOGON FOR: MANAGER.SYS,PUB ON LDEV #20
HP3000 / MPE V G.01.00 (BASE G.01.00). date, time
```

```
THE MPE OPERATING SYSTEM HAS JUST BEEN INSTALLED.
TO BEGIN THE INSTALLATION OF HP-SUPPORTED SOFTWARE,
ENTER:
```

```
:RUN AUTOINST.PUB.SYS
```

When the system displays the above messages it indicates that the majority of all the software has been installed successfully and that you are currently logged on as MANAGER.SYS. You will now proceed to install the extra software products purchased for your site.

Note the different prompt that is now being displayed; a ":" instead of "H for help->". (If the message LDEV #6 NOT READY is displayed after the prompt, merely press RETURN and the prompt will reappear.)

NOTE

"Mount" and "dismount" messages such as:

```
time/pin/Vol (UNLABELED) MOUNTED ON LDEV #7
```

or

```
time/pin/VOLUME DISMOUNTED ON LDEV #7
```

may appear on the screen from this point on. These messages may interfere with the placement of the ":" prompt. To regain the prompt, merely press RETURN and the prompt will reappear.

1. Press the EJECT button on the cartridge tape drive (see Figure 3-1) and remove the FOS tape.
2. Type RUN AUTOINST.PUB.SYS and press RETURN:

```
:RUN AUTOINST.PUB.SYS
```

The following message will then appear on the console:

```
HP32433G.01.00  INSTALLER  (c) HEWLETT-PACKARD CO.  
HAS A SUBSYS TAPE BEEN INCLUDED IN YOUR  
INSTALLATION PACKAGE (Y/N)?  
>>
```

- If you do not have a SUBSYS tape (if you did not order additional software products), then type N and press **RETURN**. Skip Section 7 and Section 8 and proceed to Section 9.
- If you have a SUBSYS tape then type Y and press **RETURN**. Proceed to Section 7.

INSERT THE SUBSYS TAPE

If a SUBSYS tape was not included with your HP 3000 Series 37 Computer System then skip this section and proceed to Section 9.

The following should currently be displayed:

MOUNT THE SUBSYS TAPE AND PUT THE TAPE
DRIVE ONLINE. THE HP-SUPPORTED SOFTWARE
FILES WILL BE RESTORED.

1. Insert the SUBSYS tape into the cartridge tape drive, as shown in Figure 7-1 below.

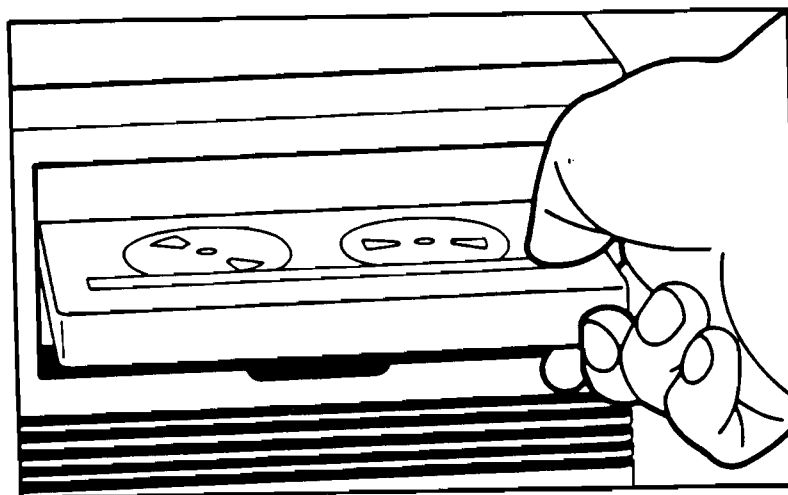


Figure 7-1. Insert the SUBSYS tape.

As soon as the tape is fully inserted, the cartridge tape drive will automatically prepare the tape by winding it all the way forward and then all the way back to the beginning. The BUSY light will turn on, and stay lit, until the tape is ready to be used. This will take 2 or 3 minutes.

When the cartridge tape drive is ready the following message will be displayed:

```
time/pin/Vol1 (unlabelled) mounted on LDEV# 7
```

The computer will now proceed to copy the contents of the SUBSYS tape onto the system disc of your HP 3000 Series 37 Computer System.

- If the copying process is successful, the following message will be displayed:

```
THE SUBSYS TAPE HAS BEEN SUCCESSFULLY RESTORED.
```

You will then see:

```
time/pin/VOLUME DISMOUNTED ON LDEV #7
```

- After the above message is displayed, press the EJECT button and remove the SUBSYS tape.
 - Proceed to Section 8.
- If the copying process is not successful, the following message will be appear:

```
THE SUBSYS TAPE HAS NOT BEEN SUCCESSFULLY RESTORED.  
TO CONTINUE WITH THE INSTALLATION, CONSULT THE  
CUSTOMER INSTALLATION PROCEDURES.
```

```
END OF PROGRAM
```

```
:
```

- Press the EJECT button and remove the SUBSYS tape.
- Repeat the steps beginning from Step 2 of Section 6. If you still cannot complete the copying process successfully, consult your HP Response Center or HP Sales Office.

INSTALL THE SOFTWARE PRODUCTS

SECTION

8

If a SUBSYS tape was not included with your HP 3000 Series 37 Computer System then skip this section and proceed to Section 9.

The following message may or may not be displayed, depending on which additional software products were ordered and shipped for your installation. Furthermore, the list of products shown below is merely an example of what you will see:

```
*WARNING -- THIS PROGRAM CANNOT INSTALL THE PRODUCTS
LISTED BELOW. IF YOU WANT TO CONTINUE WITH AUTOINST,
THE COLD LOAD TAPE WILL NOT INCLUDE THESE PRODUCTS. (INSTWARN # 1)
```

```
HPDESKMANAGER/3000
HPWORD/3000
HPSPELL/3000 (AM)
HPSPELL/3000 (AM/BR)
TDP/3000
HPMENU/3000
SPEECH LIBRARY/3000
INFORM/3000 TRAINING
HPTELEX/3000
```

```
DO YOU WANT TO INSTALL THESE PRODUCTS NOW AND CONTINUE
WITH AUTOINST AFTER INSTALLING THESE PRODUCTS (Y/N)?
>>
```

- If this message is not displayed, then all of the software products contained on the tape will be installed automatically. Skip to Step 1 of this section.
- If this message is displayed and if it lists ANY non-customer installable software products (HPDESKMANAGER/3000, HPWORD/3000, or HPTELEX/3000), then you must have the assistance of your local HP Response Center to install them.
 - a. Type Y and press **RETURN**.
 - b. Skip to Step 2.
- If this message is displayed and if it lists any customer installable software products (HPSPELL/3000, HPMENU/3000, TDP/3000, SPEECH LIBRARY/3000, or INFORM/3000 TRAINING), install them at this time by doing the following:
 - a. Type Y and press **RETURN**.
 - b. Skip to Step 2.

1. If your SUBSYS tape contained any data communication products, a warning message will be displayed: (The list of products shown below is merely an "example" display.)

```
* WARNING -- THE FOLLOWING DATA COMMUNICATION PRODUCTS
REQUIRE I/O CONFIGURATION CHANGES. HOWEVER, THIS WILL
NOT AFFECT THE SOFTWARE INSTALLATION FOR THESE PRODUCTS.
THE I/O CONFIGURATION CHANGES MAY BE DONE AFTER COMPLE-
TION OF THE INSTALLATION. (INSTWARN # 10)
```

```
IMF/3000
DSN/DS/3000
DSN/X.25/3000
RJE/3000
MRJE/3000
NRJE/3000
MTS/3000
```

The "I/O configuration changes" mentioned in the above message must be performed by an HP Software Engineer. Contact your HP Response Center for assistance.

Proceed to Section 9.

2. If your SUBSYS tape contained any data communication products, a warning message will be displayed: (Again, the list of products shown below is merely an "example" display.)

```
* WARNING -- THE FOLLOWING DATA COMMUNICATION PRODUCTS
REQUIRE I/O CONFIGURATION CHANGES. HOWEVER, THIS WILL
NOT AFFECT THE SOFTWARE INSTALLATION FOR THESE PRODUCTS.
THE I/O CONFIGURATION CHANGES MAY BE DONE AT THIS TIME
OR AFTER COMPLETION OF THE INSTALLATION. (INSTWARN # 11)
```

```
IMF/3000
DSN/DS/3000
DSN/X.25/3000
RJE/3000
MRJE/3000
NRJE/3000
MTS/3000
```

The "I/O configuration changes" mentioned in the above message must be performed by an HP Software Engineer. Contact your HP Response Center for assistance.

The following message will now be displayed:

```
TO CONTINUE WITH THE INSTALLATION CONSULT THE
CUSTOMER INSTALLATION PROCEDURES.
```

```
END OF PROGRAM
```

```
:
```

3. To install your customer installable software products, refer to the appropriate appendices at the back of this manual and perform the steps described. Each appendix will direct you back to this step.
 - To install HPSPELL/3000 use Appendix A.
 - To install HPMENU/3000 use Appendix B.
 - To install TDP/3000 use Appendix C.
 - To install SPEECH LIBRARY/3000 use Appendix D.
 - To install INFORM/3000 INTERACTIVE TRAINING FACILITY use Appendix E.
 - To install any non-customer installable products (HPDESKMANAGER/3000, HPWORD/3000, or HPTELEX/3000, contact your HP Response Center for assistance.
4. After installing these products, proceed to Section 9.



CREATE THE COLDLOAD TAPE

The following will now be displayed:

TO CREATE A COLD LOAD TAPE, ENSURE THAT WRITE IS ENABLED ON AN HP-SUPPLIED BLANK TAPE. MOUNT THE TAPE AND PUT THE TAPE DRIVE ONLINE.

1. To create the COLDLOAD tape you will use the initialized blank tape shipped with your HP 3000 H Series 37 Computer System (even if you used this tape to install PSPELL/3000, you can now use it again). This tape was especially prepared (initialized) before shipment; use only this tape and not any blank tape.
2. Ensure that the COLDLOAD tape is "write-enabled" by assuring that the arrow points away from "SAFE" as indicated in Figure 9-1 below.

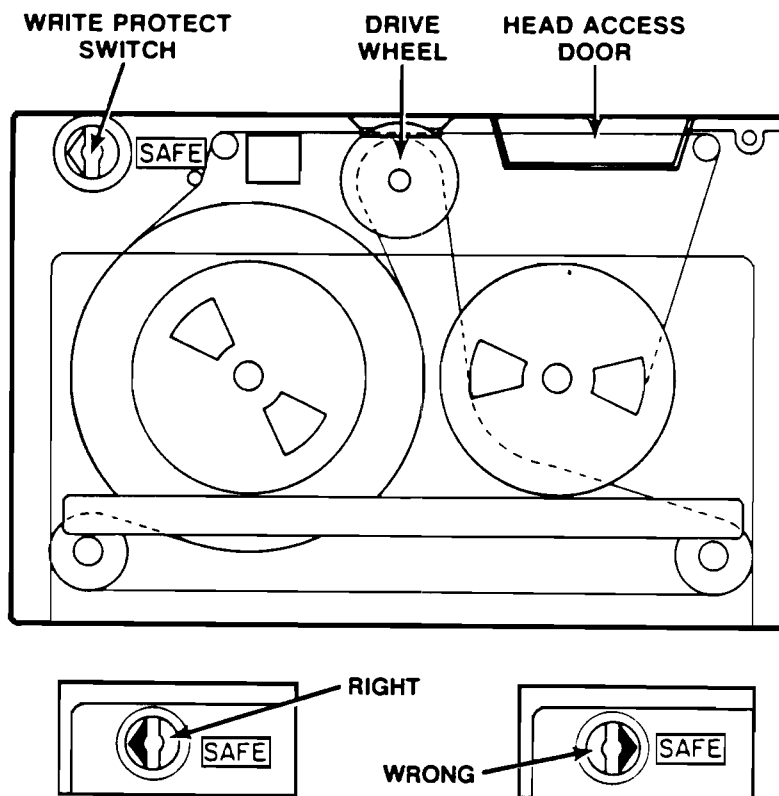


Figure 9-1. Tape Cartridge.

3. Insert the COLDLOAD tape in the tape drive.

The computer will then automatically combine the FOS and SUBSYS software and copy them to the COLDLOAD tape. The COLDLOAD tape is a very important backup copy of the information contained in your HP 3000 Series 37 Computer System. The tape should always be stored in a safe place.

The BUSY light will flicker on and off and progress messages such as those below will be displayed during the copying (note that the time and percentage values that you will see displayed will vary from installation to installation):

```
time/session/pin/DEFERRED JOB INTRODUCED ON LDEV#10
job
time/job/pin/LOGON FOR: DUMP,MANAGER.SYS,USL ON LDEV #10
time/job/pin/STORE OPERATION IS nn% COMPLETE
time/job/pin/STORE OPERATION IS nn% COMPLETE
.
.
.
time/job/pin/LOGOFF ON LDEV #10
```

Depending on the success of the COLDLOAD tape creation, one of two messages will now be displayed:

- If the COLDLOAD tape was successfully created then the following message will be displayed.

```
THE SYSTEM COLD LOAD TAPE HAS BEEN SUCCESSFULLY CREATED.
LABEL THIS TAPE "COLD LOAD <V.UU.FF>." REFER TO
LINE 3 OF THE FOS TAPE LABEL FOR THE <V.UU.FF>. ENSURE
THAT WRITE IS NOW DISABLED.
```

- If the COLDLOAD tape was not successfully created then the following message will be displayed. Do not continue with the procedures in this manual; contact your HP Response Center for assistance.

```
THE COLD LOAD TAPE WAS NOT SUCCESSFULLY CREATED.
TO CONTINUE WITH THE INSTALLATION, CONTACT YOUR
RESPONSE CENTER OR LOCAL AEO.
```

```
END OF PROGRAM
:
```

4. Press the EJECT button and remove the COLDLOAD tape.
5. Ensure that the COLDLOAD tape is "write-disabled" by assuring that the arrow points toward "SAFE".
6. Label the blank tape with the word "COLDLOAD" and the version (*v.uu.ff*) number found on the label of the FOS tape (e.g., G.01.00). You should also write your name and the current date on the tape.
7. Proceed to Section 10.

TYPE IN THE COMMAND 'SHUTDOWN'

The following will now be displayed:

```
THE SYSTEM MUST NOW BE SHUTDOWN TO COMPLETE THE  
INSTALLATION: ENTER CONTROL-A SHUTDOWN (=SHUTDOWN).  
NEXT, MOUNT THE COLD LOAD TAPE AND PUT THE TAPE DRIVE  
ONLINE. ENTER CONTROL-B COLD (>COLD).
```

```
END OF PROGRAM  
:
```

1. Type BYE and press RETURN. The following will then be displayed:

```
CPU=n. CONNECT=n. date, time  
time/job/pin/LOGOFF ON LDEV#n
```

2. Press RETURN and a "␣" prompt will be displayed.
3. While holding down the CONTROL key (this key may be labeled "CTRL"), type the letter "A". The "␣" prompt will now be displayed at the console.
4. Type SHUTDOWN and press RETURN:

```
=SHUTDOWN
```

This command will cause the computer to shut down its processing in preparation for restarting. The following will be displayed:

```
time/pin/ALL JOBS LOGGED OFF  
SHUT  
  
Halt 15  
  
1-NORMAL  
H for help ->
```

5. Re-insert the COLDDLOAD tape.
6. When the BUSY light turns off, proceed to Section 11.



TYPE IN THE COMMAND 'COLD'

1. The "H for help ->" prompt will now be displayed at the console. Type COLD and press RETURN:

```
H for help ->COLD
```

Now, for the next twenty-five minutes, the computer will automatically perform a "COLDSTART" of your HP 3000 Series 37 Computer System. The COLDSTART is the final procedure of the installation process. The following progress messages will appear on the console screen during the COLDSTART.

```
HP32033G.01.00
** PERFORMING A COLDSTART **

**WARNING** AFTER THIS POINT DO NOT INTERRUPT THE STARTUP PROCESS UNTIL
AFTER THE MESSAGE " *WELCOME* " APPEARS

DIRECTORY MAINTENANCE COMPLETED
LOADING OF SYSTEM FILES IN PROGRESS
LOADING OF SYSTEM FILES COMPLETED
PART 1 OF 6 COMPLETE - MEMORY RESIDENT TABLES SET UP
PART 2 OF 6 COMPLETE - SL BINDING
PART 3 OF 6 COMPLETE - SYSTEM I/O PROCESS CREATION
PART 4 OF 6 COMPLETE - DRIVER LOADING
PART 5 OF 6 COMPLETE - DISC RESIDENT TABLES SET UP
PART 6 OF 6 COMPLETE - SYSTEM PROCESS CREATION
BANK 0 DEPENDENT MEMORY USED - nnnnn

day,date,year,time? (Y/N)
```

2. Just as in Section 5, "SET THE DATE AND TIME", the computer is asking you if the displayed date and time are correct. Refer to Section 5 and follow the procedures described there to accept or reject the date and time.

After you have set the correct date and time, the following will be displayed:

```
LOG FILE NUMBER n ON
*WELCOME*
:HELLO OPERATOR.SYS;HIPRI
time/pin/SP#6/SPOOLED OUT
time/pin/SP#25/SPOOLED OUT
time/session/pin/LOGON FOR: OPERATOR.SYS,PUB ON LDEV #20
HP3000 / MPE V G.01.00 (BASE G.01.00). date, time
```

3. Leave the keyswitch at position "1" but withdraw the key and store it in a safe place.
4. Are any of the following devices (other than those listed as the minimum set of devices in Section 1) connected to your system? (Refer to the HP 3000 Customer Installation Guide for references to LDEVs.)

- Additional HP 2932, 2933, 2934, 2686, 2687, 2601, or 2602 Printers (in addition to LDEV 25)?
- Additional HP Terminals (in addition to LDEVs 20 through 24)?
- A modem (in addition to LDEV 27)?
- A second HP 7945A Disc Drive?

If so, then you must proceed to Appendix F, "CONFIGURE ADDITIONAL DEVICES", and perform the steps described there before you can use any of the above devices. Appendix F will take you through a "SYSDUMP" dialogue supplying all the correct responses to the dialogue questions, and will then return you to this step.

NOTE

The procedures in Appendix F are written for people with prior training or experience with the SYSDUMP dialogue for configuring devices. If you do not have such training or experience then contact your HP Response Center for assistance.

5. If in Section 8 one of the warning messages for non-customer installable software products or data communication products was displayed, then contact your HP support person for assistance in installing the products indicated in those message.
6. Congratulations, the software installation has now successfully completed. The system is up and running, and you are currently logged on to the system under the account OPERATOR.SYS.

INSTALL HPSPELL/3000

This appendix contains the instructions for installing the software product HPSPELL/3000 (product number 36561A for the American version or product number 36562A for the American/British version) on your HP 3000 Series 37 Computer System.

1. To regain the ":" prompt, if it has moved toward the top of the screen, merely press **RETURN** and it will reappear.
2. The next action depends on whether you have the American or the American/British version of HPSPELL/3000. Check the Product Number for HPSPELL/3000 on the packing list that was included with your SUBSYS tape. If you have the American version then the product number on the packing list will be 36561A. If you have the American/British version then the product number on the packing list will be 36562A.

- If you have the American version of HPSPELL/3000, type in the following and press **RETURN**:

```
:STREAM I00I561A.HP36561A.HPPL85
```

The following will then be displayed:

```
time/job/pin/LOGON FOR: I00I561A,MANAGER.SYS,PUB ON LDEV #10
time/job/pin/***STREAM I01I561A TO INSTALL DUMMY CORPORATE DICT.
time/job/pin/***WHEN THIS INSTALLATION IS COMPLETE.
time/job/pin/***AND ENSURE THAT YOU HAVE A USER MGR.HPOFFICE.
```

- If you have the American/British version of HPSPELL/3000, type in the following and press **RETURN**:

```
:STREAM I00I562A.HP36562A.HPPL85
```

The following will then be displayed:

```
time/job/pin/LOGON FOR: I00I562A,MANAGER.SYS,PUB ON LDEV #10
time/job/pin/***STREAM I01I562A TO INSTALL DUMMY AMERICAN DICT.
time/job/pin/***WHEN THIS INSTALLATION IS COMPLETE.
time/job/pin/***AND ENSURE THAT YOU HAVE A USER MGR.HPOFFICE.

time/job/pin/***STREAM I02I562A TO INSTALL DUMMY BRITISH DICT.
time/job/pin/***WHEN THIS INSTALLATION IS COMPLETE.
time/job/pin/***AND ENSURE THAT YOU HAVE A USER MGR.HPOFFICE.
```

3. In either case, the following will then be displayed:

```
time/job/pin/FROM/MANAGER.SYS/*****
time/job/pin/FROM/MANAGER.SYS/*** PLEASE MOUNT A SCRATCH TAPE *
time/job/pin/FROM/MANAGER.SYS/*** FOR A NEW UPDATE LOAD TAPE. *
time/job/pin/FROM/MANAGER.SYS/*****
```


4. You will now use the initialized blank tape to install HPSPELL/3000. This tape was especially prepared (initialized) before shipment. Use only this tape and not any blank tape. Ensure that the tape is "write-enabled" by assuring that the arrow points away from "SAFE" as indicated in Figure 10-1. Insert the tape into the cartridge tape drive.

When the BUSY light turns off, the following "mount" messages will be displayed although the order that they appear in may vary.

```
time/pin/Vol <unlabelled> mounted on LDEV# 7
```

```
time/pin/Serial disc on LDEV# 7
```

The following tape request message will be displayed:

```
?time/job/31/LDEV# FOR "SYSTAPE" ON TAPE (NUM), WRITE RING?(Y/N)
```

The system will now wait for you to reply to the above message. You must reply in the format REPLY *n*,7,Y, where *n* is the *pin* number (the *pin* number is the number directly after the second "/"; in this example, 31). Use the *pin* number from the message that you see on the screen to reply as below:

```
:REPLY n,7,Y
```

In a few moments, the following will be displayed:

```
time/job/pin/FROM/MANAGER.SYS/*** SYSDUMP COMPLETE ***
time/job/pin/FROM/MANAGER.SYS/Now do an UPDATE with this tape to complete
time/job/pin/FROM/MANAGER.SYS/the installation.
time/job/pin/FROM/MANAGER.SYS/New HPSPELL has been loaded
time/job/pin/LOGOFF ON LDEV #10
```

If the above message does not appear then the installation of HPSPELL/3000 was not successful. Contact your HP Response Center or HP Sales Office for assistance.

5. When the BUSY light turns off, press the EJECT button and remove the tape. As soon as you have removed the tape re-insert the tape one more time. Wait for the BUSY light to turn off and a mount message (*time/pin/Vol <unlabelled> mounted on LDEV# 7*) to be displayed.
6. Type BYE and press RETURN:

```
:BYE
```

The following will then be displayed:

```
CPU=n. CONNECT=n. date, time
time/session/pin/LOGOFF ON LDEV#20
```

7. Press RETURN and the ":" prompt will be displayed.
8. While holding down the CONTROL key (this key may be labelled "CTRL"), type the letter "A". The "A:" prompt will now be displayed at the console.

9. Type SHUTDOWN and press RETURN:

```
=SHUTDOWN
```

This command will cause the computer to shut down its processing in preparation for restarting. The following will be displayed:

```
time/pin/ALL JOBS LOGGED OFF  
SHUT  
  
Halt 15  
  
1-NORMAL  
H for help ->
```

10. Type UPDATE and press RETURN:

```
H for help->UPDATE
```

The BUSY light will flicker on and off and the following progress messages will be displayed during a period of time from 25-35 minutes in length.

```
HP32033G.01.00  
** PERFORMING AN UPDATE **  
  
**WARNING** AFTER THIS POINT DO NOT INTERRUPT THE STARTUP PROCESS UNTIL  
AFTER THE MESSAGE " *WELCOME* " APPEARS  
  
DIRECTORY MAINTENANCE COMPLETED  
LOADING OF SYSTEM FILES IN PROGRESS  
LOADING OF SYSTEM FILES COMPLETED  
PART 1 OF 6 COMPLETED - MEMORY RESIDENT TABLES SET UP  
PART 2 OF 6 COMPLETED - SL BINDING  
PART 3 OF 6 COMPLETED - SYSTEM I/O PROCESS CREATION  
PART 4 OF 6 COMPLETED - DRIVER LOADING  
PART 5 OF 6 COMPLETED - DISC RESIDENT TABLES SET UP  
PART 6 OF 6 COMPLETED - SYSTEM PROCESS CREATION  
BANK 0 DEPENDENT MEMORY USED - nnnnn  
day, date, year, time ? (Y/N)
```

11. Once again, just as in Section 5, "SET THE DATE AND TIME", the computer is asking you if the displayed date and time are correct. Refer to Section 5 and follow the procedures described there to accept or reject the date and time.

The following will then be displayed:

```
LOG FILE NUMBER n ON  
*WELCOME*  
:HELLO OPERATOR.SYS;HIPRI  
time/pin/SP#6/SPOOLED OUT  
time/pin/SP#25/SPOOLED OUT  
time/#Sn/pin/LOGON FOR: OPERATOR.SYS,PUB ON LDEV #20  
HP3000 / MPE V G.01.00 (BASE G.01.00). day, date, year, time
```



INSTALL TDP/3000

APPENDIX

C

This appendix contains the instructions for installing the software product TDP/3000 (product number 36578) on your HP 3000 Series 37 computer system.

1. To regain the "`^`" prompt, if it has moved toward the top of the screen, merely press `(RETURN)` and it will reappear.
2. Type in the following and press `(RETURN)`:

```
:STREAM I00I578A.HP36578.HPPL85
```

The following progress messages will then be displayed:

```
time/job/pin/LOGON FOR: I00I578A,MANAGER.SYS,PUB ON LDEV #10
time/job/pin/LOGOFF ON LDEV #10
time/job/pin/LOGON FOR: HPOFFICE,MGR.HPOFFICE,PUB ON LDEV #10
time/job/pin/LOGOFF ON LDEV #10
time/job/pin/LOGON FOR: DFILES,MGR.HPOFFICE,TDPDATA ON LDEV #10
time/job/pin/LOGON FOR: SETUDC,SPOOLMAN.HPOFFICE,TDPDATA ON LDEV #10
time/job/pin/LOGOFF ON LDEV #10
time/job/pin/LOGON FOR: LASTJOB,MANAGER.SYS,PUB ON LDEV #10
time/job/pin/LOGOFF ON LDEV #10
time/job/pin/FROM/MANAGER.SYS/** TDP INSTALLATION WILL DELETE OLD PRODUCT
time/job/pin/FROM/MANAGER.SYS/** FILES IN PUB.SYS. DETAILS IN G00G578A FILE
time/job/pin/FROM/MANAGER.SYS/**TDP/3000 (HP36578A.03.10) IS INSTALLED **
time/job/pin/LOGOFF ON LDEV #10
```

If all of the above messages are not displayed then the installation of TDP/3000 was not completed successfully. Contact your HP Response Center or HP Sales Office for assistance.

3. The installation of TDP/3000 is now complete. If you have no other software products to install then type in the following command, press `(RETURN)`, and then proceed to Section 9:

```
:RUN AUTOINST.PUB.SYS
```

If you do have other software products to install, return to Step 3 of Section 8 to find which Appendix to proceed to.



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INSTALL SPEECH LIBRARY/3000

APPENDIX

D

This appendix contains the instructions for installing the software product SPEECH LIBRARY/3000 (product number 27205) on your HP 3000 Series 37 computer system.

1. To regain the "`␣`" prompt, if it has moved toward the top of the screen, merely press **(RETURN)** and it will reappear.
2. Type in the following command and press **(RETURN)**:

```
:STREAM I00I205A.HP27205.SUPPORT
```



The following will then be displayed:

```
time/job/pin/LOGON FOR: SPEECH,MANAGER.SYS,PUB ON LDEV# 10
```

The installation process will take about 25 minutes. If successful, it will terminate with the following message:

```
time/job/pin/FROM/MANAGER.SYS/Speech Library/3000 is installed  
time/job/pin/LOGOFF ON LDEV# 10
```

3. Type in the following commands, pressing **(RETURN)** after each:

```
:HELLO FIELD.SUPPORT,PUB
```

```
:PURGEGROUP HP27205
```

The following will then be displayed:

```
GROUP HP27205 TO BE PURGED? (YES/NO)
```

4. Type "Y" and press **(RETURN)**.
5. The installation of SPEECH LIBRARY/3000 is now complete. If you have no other software products to install then type in the following command, press **(RETURN)**, and then proceed to Section 9:

```
:RUN AUTOINST.PUB.SYS
```

If you do have other software products to install, return to Step 3 of Section 8 to find which Appendix to proceed to.



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INSTALL THE INFORM/3000 INTERACTIVE TRAINING FACILITY

APPENDIX

E

This appendix contains the instructions for installing the software product INFORM/3000 INTERACTIVE TRAINING FACILITY (product number 32246) on your HP 3000 Series 37 computer system.

1. To regain the ":" prompt, if it has moved toward the top of the screen, merely press **(RETURN)** and it will reappear.
2. Type in the following command and press **(RETURN)**:

```
:STREAM I01T246A.TR32246.HPPL89
```

The installation process will then continue and several progress messages will be displayed:

```
time/job/pin/LOGON FOR: I01T246A,MANAGER.SYS,PUB ON LDEV #10
time/job/pin/LOGOFF ON LDEV #10
time/job/pin/LOGON FOR: I01T246A,FIELD.HPPL89,TR32246 ON LDEV #10
time/job/pin/LOGOFF ON LDEV #10
time/job/pin/LOGON FOR: I01T246A,MANAGER.ITF3000,PUB ON LDEV #10
time/job/pin/FROM/MANAGER.ITF3000/JOB I01T246A FINISHED.STREAM I00T246A
time/job/pin/LOGOFF ON LDEV #10
```

3. Type in the following command and press **(RETURN)**:

```
:STREAM I00T246A.TR32246.HPPL89
```

The installation process will then continue and several progress messages will be displayed:

```
time/job/pin/LOGON FOR: I00T246A,FIELD.HPPL89,TR32246 ON LDEV #10
time/job/pin/LOGOFF ON LDEV #10
time/job/pin/LOGON FOR: I00T246A,MANAGER.ITF3000,PUB ON LDEV #10
time/job/pin/FROM/MANAGER.ITF3000/INFORM TRAINING INSTALL JOB FINISHED
time/job/pin/LOGOFF ON LDEV #10
```

4. Type in the following command and press **(RETURN)**:

```
:STREAM T00T246A.TR32246.HPPL89
```

The installation process will then continue and several progress messages will be displayed:

```
time/job/pin/LOGON FOR: T00T246A,MANAGER.ITF3000,PUB ON LDEV #10
time/job/pin/FROM/MANAGER.ITF3000/INFORM TRAINING INSTALL SUCCESSFUL
time/job/pin/LOGOFF ON LDEV #10
```

If all of the above messages are not displayed then the installation of INFORM/3000 INTERACTIVE TRAINING FACILITY was not completed successfully. Contact your HP Response Center or HP Sales Office for assistance.

5. The installation of INFORM/3000 INTERACTIVE TRAINING FACILITY is now complete. If you have no other software products to install then type in the following command, press **RETURN**, and then proceed to Section 9:

```
:RUN AUTOINST.PUB.SYS
```

If you do have other software products to install, return to Step 3 of Section 8.

CONFIGURE ADDITIONAL DEVICES

APPENDIX

F

This appendix contains the instructions for configuring additional hardware devices (certain printers, terminals, etc.) on your Series 37 Computer System. Additional hardware devices are those not mentioned as part of the minimum system configuration in Section 1, "GETTING STARTED". The following devices may be configured using this appendix as a guide (refer to the HP 3000 Customer Installation Guide for references to LDEVs):

- Additional HP 2932, 2933, 2934, 2686, 2687, 2601, and 2602 Printers (in addition to LDEV 25).
- Additional HP terminals (in addition to LDEVs 20 through 24).
- An additional modem (in addition to LDEV 27).
- A second HP 7945A Disc Drive.

You will configure your additional devices using the dialogue that is initiated with the SYSDUMP command. This appendix will supply you with the appropriate answers to the dialogue questions for configuring each device.

You should have completed training in or have experience with the SYSDUMP dialogue for configuring devices (or at least have access to someone with that training or experience) before performing the procedures in this appendix.

For a detailed explanation of the use of the SYSDUMP command refer to the MPE V System Operation and Resource Management manual (32033-90005), Section V, "THE SYSTEM SUPERVISOR".

CHECK YOUR STANDARD CONFIGURATION

1. Type SYSDUMP \$NULL to begin the execution of the SYSDUMP dialogue to display the current I/O Configuration for your system:

:SYSDUMP \$NULL

2. Begin the SYSDUMP dialogue by typing in the answers as indicated below. Dialogue steps are numbered exactly as found in the MPE V System Operation and Resource Management manual, Section VII, "CONFIGURING YOUR SYSTEM" (step numbers are not displayed on the screen). When the response called for is YES, you may also respond with Y, y, or yes. All underscored responses imply that you should press (RETURN) after them.

STEP NO.	SYSDUMP DIALOGUE	USER RESPONSE
1	ANY CHANGES?	<u>YES</u>
2	SYSTEM ID = HP32033G.01.00?	<u>(RETURN)</u>
3	MEMORY SIZE = nnnn (MIN=256, MAX=4096)?	<u>(RETURN)</u>
4	I/O CONFIGURATION CHANGES?	<u>YES</u>
5	LIST I/O DEVICES?	<u>YES</u>

The following will then be displayed:

LOG DEV #	DRT #	U N I T	C H A P T E R	T Y P E	SUB TYPE	TERMINAL TYPE	SPEED	REC WIDTH	OUTPUT DEV	MODE	DRIVER NAME	DEVICE CLASSES
1	33	0	0	3	5			128	0		HIOMDSC2	SYSDISC DISC SPOOL
6	36	0	0	32	9			66	0	S	HIOCIPRO	LP
7	35	0	0	3	3			128	0		HIOCTAP1	TAPE CTAPE SDISC DDUMP
10	37	0	0	24	0			128	LP	JA	HIOTAPE0	JOBTAPE
20	8	0	0	16	0	10	960	40	20	JAID	HIOTERM1	TERM CONSOLE
21	8	1	0	16	0	10	960	40	21	JAID	HIOTERM1	TERM
22	8	2	0	16	0	10	960	40	22	JAID	HIOTERM1	TERM
23	8	3	0	16	0	10	960	40	23	JAID	HIOTERM1	TERM
24	8	4	0	16	0	10	960	40	24	JAID	HIOTERM1	TERM
25	8	5	0	32	14	??*	240	66	0	S	HIOASLP0	SERIALP
27	8	7	0	16	1	10	120	40	27	JAID	HIOTERM1	TERM MODEM

The current I/O configuration on your system shows:

- An HP 7945A Disc Drive configured as the system disc on LDEV 1.
- An HP 2563, 2565, or 2566 Printer configured as a system printer on LDEV 6.
- An HP 9144 Cartridge Tape Drive configured as LDEV 7.
- Five Terminals configured as LDEVs 20 through 24.
- A dummy (not physically connected) HP 7970 Magnetic Tape Drive configured as a streams device on LDEV 10.
- An HP 2932, 2933, 2934, or 2686 Printer configured as LDEV 25.
- A Modem configured as LDEV 27.

NOTE

You may not have connected all the devices listed on the previous page. In addition, you may have connected more devices which are not displayed.

The following SYSDUMP dialogue question will then be displayed (do not press **RETURN**):

LIST DEVICE DEFAULTS?

3. Exit out of the SYSDUMP dialogue by pressing the **BREAK** key. The ":" prompt will then be displayed. Type **ABORT** and press **RETURN**. The following will then be displayed:

PROGRAM ABORTED PER USER REQUEST. (CIERR 989)
:

FILL IN THE CONFIGURATION WORKSHEET

1. Detach the Configuration Worksheet found on the last page of this appendix. Before beginning the SYSDUMP dialogue to add your additional devices to the system configuration you must fill in the Configuration Worksheet as instructed below. The Worksheet will be your guide to making responses during the SYSDUMP dialogue; all the information that you need will be contained on that sheet. It will help you keep track of what devices should or should not be configured, and it will also provide a way to check off devices as you configure them.
2. Fill in the values under the heading "**Product # Description**". Refer to the "Series 37 Customer Installation Guide" which was used to install and prepare the hardware devices for your Series 37 Computer System; you will find a form on page 3-18 of that manual. Copy the values that were filled in on that form, to the Configuration Worksheet that you have just detached from this manual.
3. Fill in the values under the heading "**Table**". The table number refers to the appropriate SYSDUMP Dialogue Table (Table F-1 through F-4) to be used for configuring a particular device. Use the information in the box below to decide which SYSDUMP Dialogue Table is appropriate for each device (an example is shown on the following page). Note: If no action is required for a particular device, then no dialogue steps need to be performed; simply check off the device on the Configuration Worksheet under the heading "**Configd?**" (configured).

DEVICE	SYSDUMP DIALOGUE TABLE
Terminal connected as LDEVs 21, 22, 23, or 24	(no action required)
Terminal connected as LDEVs 25, 27, 30-35, or 37	F-4
HP 2932A, 2933A, 2934A, or 2686 Printer connected as LDEV 25	(no action required)
HP 2932A, 2933A, 2934A, or 2686 Printer connected as any other LDEV except 25	F-1
HP 2687 Printer connected as any LDEV	F-2
HP 2601 or 2602 Printer connected as any LDEV	F-3
A modem connected as LDEV 27	(no action required)
A modem connected as LDEV 37	F-4
An HP 7945A Disc Drive connected as LDEV 2	*

- * The SYSDUMP dialogue for configuring a second HP 7945A Disc Drive can be found in "IF YOU HAVE A SECOND HP 7945A DISC DRIVE" later in this appendix, however, before proceeding to that section you must first complete the SYSDUMP dialogue for all other devices that need to be configured.

An Example Of Filling In The Configuration Worksheet

In the example below, the Configuration Worksheet has been filled according to the instructions on the previous page (the example shows only a portion of the entire Worksheet):

Port/Unit #	Product #	Description	Table	Confgd?	LDEV#	DRT#
Standard ATP37 0		console		✓	20	8
1	———— no device connected ————				21	8
2	———— no device connected ————				22	8
3	HP2934 Printer		F-1		23	8
4	HP2687 Printer		F-2		24	8
5	HP2686 Printer		————	✓	25	8
7	———— no device connected ————				27	8

In this example, an HP 2934 Printer is connected as LDEV 23. From the instructions in the box on the preceding page you can see that the proper SYSDUMP Dialogue Table to use for that device is F-1.

On the next line, an HP 2687 Printer is connected as LDEV 24. From the instructions in the box on the preceding page you can see that the proper SYSDUMP Dialogue Table to use for that device is F-2.

On the next line, an HP 2686 Printer is connected as LDEV 25. From the instructions in the box on the preceding page you can see that it is not necessary to configure this device (no action required). This device is therefore checked off.

Fill in your Configuration Worksheet in the same manner.

After you have filled it in, if no action is required for any of the devices you have connected to your system then no further action is required to configure devices, and you do not need to continue with the procedures in this appendix. Return to step 5 of Section 11. Otherwise, you will now proceed to use the Worksheet to indicate which tables to use to make responses during the SYSDUMP dialogue.

START THE SYSDUMP DIALOGUE

1. Type in the following (this will set up the file equation for the cartridge tape that will be used at the end of the SYSDUMP dialogue to produce a backup copy of your new system configuration and system files):

:FILE DUMP;DEV=CTAPE

2. If you have an HP 2932, 2933, 2934, or 2686 Printer connected as LDEV 25, then type in the following file equation for the listings produced during the execution of the SYSDUMP dialogue.

:FILE LIST;DEV=SERIALP

3. Type in the following command to initiate the SYSDUMP dialogue (use ,*LIST only if you set up the file equation as above):

:SYSDUMP *DUMP,*LIST

Begin the SYSDUMP dialogue by typing in the answers for the dialogue steps numbered 1 through 7 as indicated on the next page. The dialogue steps are numbered exactly as found in the MPE V System Operation and Resource Management manual, Section VII, "CONFIGURING YOUR SYSTEM" (step numbers are not displayed on the screen). When the response called for is YES, you may also respond with Y, y, or yes.

When you get to dialogue step number 8 do not respond to that dialogue question yet, but do continue reading.

If you make a typing error between dialogue step number 1 and dialogue step number 8 then you must press the (BREAK) key and then type the ABORT command. This will allow you to re-execute the SYSDUMP command and begin again at dialogue step number 1.

STEP NO.	SYSDUMP DIALOGUE	USER RESPONSE
1	ANY CHANGES?	<u>YES</u>
2	SYSTEM ID = HP32033G.01.00?	<u>RETURN</u>
3	MEMORY SIZE = nnnn (MIN=256, MAX=4096)?	<u>RETURN</u>
4	I/O CONFIGURATION CHANGES?	<u>YES</u>
5	LIST I/O DEVICES?	<u>RETURN</u>
6.1	LIST DEVICE DEFAULTS?	<u>RETURN</u>
7	HIGHEST DRT = 97 (MIN=8, MAX=511)?	<u>RETURN</u>
8	LOGICAL DEVICE #?	Proceed to the next section.

PROCEED WITH THE SYSDUMP DIALOGUE

In the following pages you will repeatedly perform a portion of the SYSDUMP dialogue for each device that requires a change to the system configuration. Perform the dialogue steps in the appropriate SYSDUMP Dialogue Table as indicated on the Configuration Worksheet that you have previously filled out.

NOTE

If you make an error when responding to a question you need not worry that the device will be configured incorrectly. Continue to the last step in that SYSDUMP Dialogue Table and then repeat all the questions in the table. When you repeat the dialogue steps for a particular LDEV# you overwrite the previous values entered.

You must perform the SYSDUMP dialogue for all other devices (LDEVs 21 through 37) before you can proceed to the section entitled "IF YOU HAVE A SECOND HP 7945A DISC DRIVE" to perform the SYSDUMP dialogue to configure your additional HP 7945A Disc Drive (LDEV 2).

1. Refer to your Configuration Worksheet and proceed in order of LDEV# (i.e., first LDEV 21, then LDEV 22, then 23 through 25, etc.).
2. For each LDEV# where you entered a SYSDUMP Dialogue Table number (F-1, F-2, F-3, or F-4), refer to the appropriate table and complete the dialogue steps contained there.
3. As you complete dialogue steps 8 through 43 of one of the SYSDUMP Dialogue Tables (F-1, F-2, F-3, or F-4) check off the LDEV# on the Configuration Worksheet under the heading "Confgd?".
4. When you have checked each device up to and including LDEV 37 then proceed to either the section entitled "IF YOU HAVE A SECOND HP 7945A DISC DRIVE" or the section entitled "IF YOU DO NOT HAVE A SECOND HP 7945A DISC DRIVE".

TABLE F-1. SYSDUMP Dialogue
For HP 2932A, 2933A, 2934A, or 2686 Printer

Enter responses as underlined (e.g., HPPCLATP) and press RETURN. If you make an error in a response continue responding to the rest of the questions in the table until dialogue step number 8, LOGICAL DEVICE #? is displayed again, then repeat the table giving the correct responses.

STEP NO.	SYSDUMP DIALOGUE	USER RESPONSE
8	LOGICAL DEVICE #?	LDEV# FROM WORKSHEET
8.1	DEVICE NAME?	<u>HPPCLATP</u>
9	DRT #?	STANDARD ATP37: <u>8</u> ADD-ON ATP37: <u>24</u>
10	UNIT #?	PORT/UNIT# FROM WORKSHEET
11	SOFTWARE CHANNEL # = 0?	<u>RETURN</u>
12	TYPE = 32?	<u>RETURN</u>
13	SUB TYPE = 14?	<u>RETURN</u>
14	ENTER [TERM TYPE#], [DESCRIPTOR FILENAME]=(TTPCL22.PUB.SYS) ?	<u>RETURN</u>
15	SPEED IN CHARACTERS PER SECOND = 960?	<u>RETURN</u>
30	RECORD WIDTH = 66?	<u>RETURN</u>
31	OUTPUT DEVICE = 0?	<u>RETURN</u>
32	ACCEPT JOBS/SESSIONS = N?	<u>RETURN</u>
33	ACCEPT DATA = N?	<u>RETURN</u>
34	INTERACTIVE = N?	<u>RETURN</u>
35	DUPLICATIVE = N?	<u>RETURN</u>
36	INITIALLY SPOOLED = Y?	<u>RETURN</u>
37.1	AUTO REPLY = N?	<u>RETURN</u>
38	DRIVER NAME = HIOASLP0?	<u>RETURN</u>
43	DEVICE CLASSES = LP?	<u>RETURN</u>

TABLE F-2. SYSDUMP Dialogue
For HP 2687 Printer

Enter responses as underlined (e.g., HPPCLATP) and press (RETURN). If you make an error in a response continue responding to the rest of the questions in the table until dialogue step number 8, LOGICAL DEVICE #? is displayed again, then repeat the table giving the correct responses.

STEP NO.	SYSDUMP DIALOGUE	USER RESPONSE
8	LOGICAL DEVICE # ?	LDEV# FROM WORKSHEET
8.1	DEVICE NAME?	<u>HPPCLATP</u>
9	DRT # ?	STANDARD ATP37: <u>8</u> ADD-ON ATP37: <u>24</u>
10	UNIT # ?	PORT/UNIT# FROM WORKSHEET
11	SOFTWARE CHANNEL # = 0?	<u>(RETURN)</u>
12	TYPE = 32?	<u>(RETURN)</u>
13	SUB TYPE = 14?	<u>(RETURN)</u>
14	ENTER [TERM TYPE#], [DESCRIPTOR FILENAME]=(TTPCL22.PUB.SYS) ?	<u>TTPCL18.PUB.SYS</u>
15	SPEED IN CHARACTERS PER SECOND = 960?	<u>(RETURN)</u>
30	RECORD WIDTH = 66?	<u>(RETURN)</u>
31	OUTPUT DEVICE = 0?	<u>(RETURN)</u>
32	ACCEPT JOBS/SESSIONS = N?	<u>(RETURN)</u>
33	ACCEPT DATA = N?	<u>(RETURN)</u>
34	INTERACTIVE = N?	<u>(RETURN)</u>
35	DUPLICATIVE = N?	<u>(RETURN)</u>
36	INITIALLY SPOOLED = Y?	<u>(RETURN)</u>
37.1	AUTO REPLY = N?	<u>(RETURN)</u>
38	DRIVER NAME = HIOASLP0?	<u>(RETURN)</u>
43	DEVICE CLASSES = LP?	<u>(RETURN)</u>

TABLE F-3. SYSDUMP Dialogue
For HP 2601 or 2602 Printer

Enter responses as underlined (e.g., HPLPATP) and press RETURN. If you make an error in a response continue responding to the rest of the questions in the table until dialogue step number 8, LOGICAL DEVICE #? is displayed again, then repeat the table giving the correct responses.

STEP NO.	SYSDUMP DIALOGUE	USER RESPONSE
8	LOGICAL DEVICE # ?	LDEV# FROM WORKSHEET
8.1	DEVICE NAME?	<u>HPLPATP</u>
9	DRT # ?	STANDARD ATP37: <u>8</u> ADD-ON ATP37: <u>24</u>
10	UNIT # ?	PORT/UNIT# FROM WORKSHEET
11	SOFTWARE CHANNEL # = 0?	<u>RETURN</u>
12	TYPE = 32?	<u>RETURN</u>
13	SUB TYPE = 14?	<u>RETURN</u>
14	ENTER [TERM TYPE#], [DESCRIPTOR FILENAME]=(19)?	<u>18</u>
15	SPEED IN CHARACTERS PER SECOND = 240?	<u>RETURN</u>
30	RECORD WIDTH = 66?	<u>RETURN</u>
31	OUTPUT DEVICE = 0?	<u>RETURN</u>
32	ACCEPT JOBS/SESSIONS = N?	<u>RETURN</u>
33	ACCEPT DATA = N?	<u>RETURN</u>
34	INTERACTIVE = N?	<u>RETURN</u>
35	DUPLICATIVE = N?	<u>RETURN</u>
36	INITIALLY SPOOLED = Y?	<u>RETURN</u>
37.1	AUTO REPLY = N?	<u>RETURN</u>
38	DRIVER NAME = HIOASLP0?	<u>RETURN</u>
43	DEVICE CLASSES = LP?	<u>RETURN</u>

TABLE F-4. SYSDUMP Dialogue
For Terminal or Modem

Enter responses as underlined (e.g., HPTERMATP) and press RETURN. If you make an error in a response continue responding to the rest of the questions in the table until dialogue step number 8, LOGICAL DEVICE #? is displayed again, then repeat the table giving the correct responses.

STEP NO.	SYSDUMP DIALOGUE	USER RESPONSE
8	LOGICAL DEVICE # ?	LDEV# FROM WORKSHEET
8.1	DEVICE NAME?	<u>HPTERMATP</u>
9	DRT # ?	STANDARD ATP37: <u>8</u> ADD-ON ATP37: <u>24</u>
10	UNIT # ?	PORT/UNIT# FROM WORKSHEET
11	SOFTWARE CHANNEL # = 0?	<u>RETURN</u>
12	TYPE = 16?	<u>RETURN</u>
13	SUB TYPE = 0?	FOR A TERMINAL: <u>RETURN</u> FOR A MODEM: <u>1</u>
14	ENTER [TERM TYPE#],[DESCRIPTOR FILENAME] = (10) ?	<u>RETURN</u>
15	SPEED IN CHARACTERS PER SECOND = 960?	FOR A TERMINAL: <u>RETURN</u> FOR A MODEM: <i>modem speed</i>
30	RECORD WIDTH = 40?	<u>RETURN</u>
31	OUTPUT DEVICE = <i>ldev</i> ?	<u>RETURN</u>
32	ACCEPT JOBS/SESSIONS = Y?	<u>RETURN</u>
33	ACCEPT DATA = Y?	<u>RETURN</u>
34	INTERACTIVE = Y?	<u>RETURN</u>
35	DUPLICATIVE = Y?	<u>RETURN</u>
36	INITIALLY SPOOLED = N?	<u>RETURN</u>
37.1	AUTO REPLY = N?	<u>RETURN</u>
38	DRIVER NAME = HIOTERM1?	<u>RETURN</u>
43	DEVICE CLASSES = TERM?	<u>RETURN</u>

If You Have A Second HP 7945A Disc Drive

- If you do not have a second HP 7945A Disc Drive connected to your system, skip this step and proceed to "IF YOU DO NOT HAVE A SECOND HP 7945A DISC DRIVE".
- If you do have a second HP 7945A Disc Drive connected to your system perform the dialogue below and then skip to "ENDING THE SYSDUMP DIALOGUE".

STEP NO.	SYSDUMP DIALOGUE	USER RESPONSE
8	LOGICAL DEVICE # ?	LDEV# FROM WORKSHEET
8.1	DEVICE NAME?	<u>HP7945</u>
9	DRT # ?	<u>34</u>
10	UNIT # ?	<u>0</u>
11	SOFTWARE CHANNEL # = 0?	<u>RETURN</u>
12	TYPE = 3?	<u>RETURN</u>
13	SUB TYPE = 5?	<u>RETURN</u>
30	RECORD WIDTH = 128?	<u>RETURN</u>
31	OUTPUT DEVICE = 0?	<u>RETURN</u>
32	ACCEPT JOBS/SESSIONS = N?	<u>RETURN</u>
33	ACCEPT DATA = N?	<u>RETURN</u>
34	INTERACTIVE = N?	<u>RETURN</u>
35	DUPLICATIVE = N?	<u>RETURN</u>
36	INITIALLY SPOOLED = N?	<u>RETURN</u>
37.1	AUTO REPLY = N?	<u>RETURN</u>
38	DRIVER NAME = HIOMDSC2?	<u>RETURN</u>
43	DEVICE CLASSES = DISC?	<u>DISC,SPOOL</u>

This dialogue continues on the next page.

STEP NO.	SYSDUMP DIALOGUE	USER RESPONSE
8	LOGICAL DEVICE # ?	<u>RETURN</u>
46	MAX # OF OPEN SPOOLFILES = nn (MIN=0, MAX=nnnn)?	<u>RETURN</u>
47	LIST I/O DEVICES?	<u>RETURN</u>
49	TERMINAL TYPE CHANGES?	<u>RETURN</u>
57	CLASS CHANGES?	<u>RETURN</u>
69	LIST I/O DEVICES?	<u>RETURN</u>
4	I/O CONFIGURATION CHANGES?	<u>RETURN</u>
77	SYSTEM TABLE CHANGES?	<u>RETURN</u>
97	MISC CONFIGURATION CHANGES?	<u>RETURN</u>
112	LOGGING CHANGES?	<u>RETURN</u>
119	DISC ALLOCATION CHANGES?	<u>Y</u>
120	MAX DIRECTORY SIZE (SECTORS) = 3000 (MIN=3000, MAX=65000, USED=nnn)?	<u>RETURN</u>
121	LIST VOLUME TABLE?	<u>Y</u>
*	VOLUME # NAME LOG DEV # 1 MH7945U0 1	
122	DELETE VOLUME?	<u>RETURN</u>
124	ADD VOLUME?	<u>Y</u>
125	ENTER VOLUME NAME?	<u>MH7945U1</u>
125	ENTER VOLUME NAME?	<u>RETURN</u>

This dialogue continues on the next page.

* If you set up the file equation FILE LIST; DEV=SERIALP and used *LIST in the :SYSDUMP command then the listings indicated above will not be displayed on the screen but rather will be printed on your printer.

STEP NO.	SYSDUMP DIALOGUE	USER RESPONSE
126	LIST VOLUME TABLE?	<u>Y</u>
*	VOLUME # NAME LOG DEV # 1 MH7945U0 1 2 MH7945U1 0	
127	VIRTUAL MEMORY CHANGES?	<u>Y</u>
128	LIST VIRTUAL MEMORY DEVICE ALLOCATION?	<u>Y</u>
*	VOLUME NAME LDEV # VM ALLOCATION MH7945U0 1 10 MH7945U1 0 0	
129	ENTER VOLUME NAME, SIZE IN KILOSECTORS?	<u>MH7945U1,10</u>
129	ENTER VOLUME NAME, SIZE IN KILOSECTORS?	<u>RETURN</u>
130	VIRTUAL MEMORY CHANGES?	<u>Y</u>
128	LIST VIRTUAL MEMORY DEVICE ALLOCATION?	<u>Y</u>
*	VOLUME NAME LDEV # VM ALLOCATION MH7945U0 1 10 MH7945U1 0 10	
129	ENTER VOLUME NAME, SIZE IN KILOSECTORS?	<u>RETURN</u>
130	VIRTUAL MEMORY CHANGES?	<u>RETURN</u>
131	MAX# OF SPOOLFILE KILOSECTORS = 128 (MIN=0, MAX=7777777)?	<u>RETURN</u>
132	# OF SECTORS PER SPOOLFILE EXTENT =384? (MIN=128, MAX=32764)?	<u>RETURN</u>

Once you have performed the above dialogue, skip to "END THE SYSDUMP DIALOGUE".

* If you set up the file equation FILE LIST; DEV=SERIALP and used *LIST in the SYSDUMP command then the listings indicated above will not be displayed on the screen but rather will be printed on your printer.

If You Do Not Have A Second HP 7945A Disc Drive

If you have not connected a second HP 7945A Disc Drive then perform the dialogue steps below.

STEP NO.	SYSDUMP DIALOGUE	USER RESPONSE
8	LOGICAL DEVICE #?	<u>RETURN</u>
46	MAX # OF OPEN SPOOLFILES = <i>nnn</i> (MIN=0, MAX= <i>nnnn</i>)?	<u>RETURN</u>
47	LIST I/O DEVICES?	<u>RETURN</u>
49	TERMINAL TYPE CHANGES?	<u>RETURN</u>
57	CLASS CHANGES?	<u>RETURN</u>
69	LIST I/O DEVICES?	<u>RETURN</u>
4	I/O CONFIGURATION CHANGES?	<u>RETURN</u>
77	SYSTEM TABLE CHANGES?	<u>RETURN</u>
97	MISC CONFIGURATION CHANGES?	<u>RETURN</u>
112	LOGGING CHANGES?	<u>RETURN</u>
119	DISC ALLOCATION CHANGES?	<u>N</u>

Once you have performed the above dialogue, proceed to "END THE SYSDUMP DIALOGUE".

END THE SYSDUMP DIALOGUE

To end the SYSDUMP dialogue, perform the dialogue steps below:

STEP NO.	SYSDUMP DIALOGUE	USER RESPONSE
133	SCHEDULING CHANGES?	RETURN
134	SEGMENT LIMIT CHANGES?	RETURN
142	SYSTEM PROGRAM CHANGES?	RETURN
144	SYSTEM SL CHANGES?	RETURN
153	ENTER DUMP DATE?	0
154	ENTER DUMP FILE SUBSET (S)	@.@.@
155	LIST FILES DUMPED?	RETURN

1. You will now use the same COLDLOAD tape that you used in Sections 9, 10, and 11 of this manual. Ensure that the COLDLOAD tape is "write-enabled" by assuring that the arrow points away from "SAFE". Insert the COLDLOAD tape in the tape drive. When the READY light turns off, proceed to step 2 below.
2. When the BUSY light turns off, the following "mount" messages will be displayed although the order that they appear in may vary:

```
time/pin/Vol (unlabelled) mounted on LDEV# 7
time/pin/Serial disc on LDEV# 7
```

The following tape request message will be displayed:

```
?time/job/31/LDEV# FOR "DUMP" ON CTAPE (NUM),WRITE RING? (Y/N)
```

The system will now wait for you to reply to the above message. You must reply in the format :REPLY n,7,Y, where *n* is the *pin* number (the *pin* number is the number directly after the second "/"; in this example, 31). Use the *pin* number from the message that you see on the screen to reply as below:

```
:REPLY n,7,Y
```

The BUSY light on the cartridge tape drive will turn on as the system begins to write information to the COLDLOAD tape.

3. When the BUSY light turns off, press the EJECT button and remove the tape. The following will be displayed as SYSDUMP terminates: :END OF PROGRAM

RESTART THE SYSTEM

Now that you have finished using SYSDUMP to change the system configuration you must still restart the system with the COLDLOAD tape before those changes will become effective.

1. Ensure that the COLDLOAD tape is "write-disabled" by assuring that the arrow points toward "SAFE". Re-insert the tape one more time.

2. Type BYE and press RETURN:

:BYE

The following will then be displayed:

```
CPU=n. CONNECT=n. date, time
time/session/pin/LOGOFF ON LDEV# 20
```



3. Type RETURN and the ":" prompt will be displayed.
4. While holding down the CONTROL key (this key may be labelled "CTRL" on your keyboard), type the letter "A". The "=" prompt will now be displayed at the console. Type in the following command:

=SHUTDOWN

This command will cause the computer to shut down its processing in preparation for restarting. The following will be displayed:

```
time/pin/ALL JOBS LOGGED OFF
SHUT
Halt 15
```

```
1-NORMAL
H for help ->
```

5. If you have a second HP 7945A Disc Drive connected as LDEV 2 then power it on at this time.
6. Re-insert the COLDLOAD tape. Wait for the BUSY light to go off.
7. At this point, there are two options for continuing depending on whether you have connected and configured a second HP 7945A Disc Drive or not.
 - If you have connected and configured a second HP 7945A Disc Drive then perform steps 8, 8a, 8b, 8c, and then 10.
 - If you have not connected and configured a second HP 7945A Disc Drive then perform steps 9, 9a, and then 10.

8. If you have connected and configured a second HP 7945A Disc Drive then type RELOAD and press RETURN:

H for help ->RELOAD

The following will be displayed:

HP32033G.01.00

** PERFORMING A RELOAD WITH SPREAD OPTION **

WARNING AFTER THIS POINT DO NOT INTERRUPT THE STARTUP PROCESS UNTIL
AFTER THE MESSAGE " *WELCOME* " APPEARS

- 8a. One of the following messages will now appear:

- ERROR #204 DEVICE 2 VOLUME *volumename* NOT DEFINED IN TABLE

After this message appears, the following will be displayed:

ADD TO SYSTEM VOLUME SET?

Type "Y" and press RETURN, then proceed to step 8b below.

- ERROR #205 VOLUME NAME MH7945U0 ON DEVICE 2 ALREADY IN USE

After this message appears, proceed to step 8b below.

- NON-SYSTEM VOLUME ON LDEV 2

After this message appears, the following will be displayed:

ADD TO SYSTEM VOLUME SET?

Type "Y" and press RETURN, then proceed to step 8b below.

- 8b. The following will then be displayed:

ENTER VOLUME NAME?

Type MH7945U1 and press RETURN. The system will display the following progress messages:

INITIALIZATION OF DISC FREE SPACE MAPS COMPLETED
LOADING OF SYSTEM FILES IN PROGRESS
LOADING OF SYSTEM FILES COMPLETED
RELOAD OF USER FILES IN PROGRESS
RELOAD OF USER FILES COMPLETED
PART 1 OF 6 COMPLETED - MEMORY RESIDENT TABLES SET UP
PART 2 OF 6 COMPLETED - SL BINDING
PART 3 OF 6 COMPLETED - SYSTEM I/O PROCESS CREATION
PART 4 OF 6 COMPLETED - DRIVER LOADING
PART 5 OF 6 COMPLETED - DISC RESIDENT TABLES SET UP
PART 6 OF 6 COMPLETED - SYSTEM PROCESS CREATION
BANK 0 DEPENDENT MEMORY USED - *nnnnn*

- 8c. When the last of the above messages has been displayed, skip steps 9 and 9a, then proceed to step 10.

9. If you have not connected and configured a second HP 7945A Disc Drive then type COLD and press RETURN:

H for help ->COLD

The following will be displayed:

HP32033G.01.00

** PERFORMING COLDSTART **

****WARNING**** AFTER THIS POINT DO NOT INTERRUPT THE STARTUP PROCESS UNTIL AFTER THE MESSAGE " *WELCOME* " APPEARS

LOADING OF SYSTEM FILES IN PROGRESS

LOADING OF SYSTEM FILES COMPLETED

PART 1 OF 6 COMPLETED - MEMORY RESIDENT TABLES SET UP

PART 2 OF 6 COMPLETED - SL BINDING

PART 3 OF 6 COMPLETED - SYSTEM I/O PROCESS CREATION

PART 4 OF 6 COMPLETED - DRIVER LOADING

PART 5 OF 6 COMPLETED - DISC RESIDENT TABLES SET UP

PART 6 OF 6 COMPLETED - SYSTEM PROCESS CREATION

BANK 0 DEPENDENT MEMORY USED - *nnnnn*

- 9a. When the last of the above messages has been displayed, proceed to step 10.

10. The following will then be displayed:

day, date, year, time? (Y/N)

The date and time are once again displayed for you to accept or reject (refer to Section 5 for instructions on how to accept or reject the date and time).

Once you have set the date and time, the system will be up and running and your additional devices should be operational.

Remove the COLDLOAD tape and store it in a safe place.

NOTE

If the progress messages are not displayed or if the date and time are not displayed, then contact your HP Response Center.



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Configuration Worksheet

Port/Unit #	Product #	Description	Table	Confgd?	LDEV#	DRT#
Standard ATP37						
0		console		✓	20	8
1					21	8
2					22	8
3					23	8
4					24	8
5					25	8
7					27	8
Add-on ATP37						
0					30	24
1					31	24
2					32	24
3					33	24
4					34	24
5					35	24
7					37	24

1	HP7945A Disc Drive	✓	1	33
2			2	34
3	HP9144A Cartridge Tape Unit	✓	7	35



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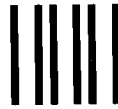
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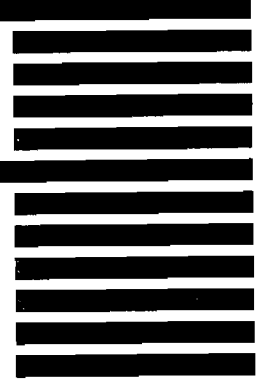
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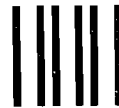
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