

HEWLETT-PACKARD



**HP Touchscreen II
Personal Computer
Operating System
Upgrade Instructions**

HP Computer Museum
www.hpmuseum.net

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EXPERIENCED TOUCHSCREEN CUSTOMERS

Congratulations! You have purchased the MS-DOS 3.2 operating system which has many features and enhancements to complement your Touchscreen II Personal Computer.

With your personal computer, there are many applications available to provide solutions and to help you increase your productivity. Today, in order to help you as best as we can, Hewlett-Packard continues to support the majority of applications with MS-DOS version 3.2.

Previous software releases work with this new operating system although there are a few exceptions. Please refer to the table below for details.

<u>Application</u>	<u>Older version no.</u>	<u>Part #</u>	<u>Upgrade version no.</u>	<u>Part #</u>
WordStar	3.33	45400D	3.34	45400-63030
WordStar	3.3B or less	45400D	3.34	45400-63031
CorrectStar	3.31 or less	45427D	3.32	45427-63002
GW Basic 2.0	A.01.02 or less	45450D	A.01.03	45450-63002
Condor	2.11B or less	45416A	2.11.11	<i>note 1</i>
S. 100 Graph.	3.00 or less	45410A	Gallery Collect.	45437A

note 1: Call Condor Computer Corporation at (313)-971-8880. Condor offers the latest version of Condor 3 for the Touchscreen PC, as well as kits to upgrade any version of Condor to the most recent release.

The old versions of these software applications can be inconvenient to use with MS-DOS 3.2. If you purchased this computer to complement another Touchscreen PC, Hewlett-Packard recommends that your old software remain with MS-DOS 2.11 or 2.10; the operating system with which it came. If this is not possible, you may upgrade your software using the upgrade numbers shown in the table above. Whatever solution you choose, Hewlett-Packard will provide you with all the help and support you need to insure the smooth operation of your Touchscreen II PC.

Hewlett-Packard is pleased to be able to offer you support for these products. However, please note that we will not support these older application versions when you use them with the new operating system, MS-DOS 3.2.

OFFICESHARE THINLAN CUSTOMERS

If you are planning to use OfficeShare ThinLAN Networking Products with this computer, please note that the HP ThinLAN Network will work with MS-DOS 3.2. If you have received HP OfficeShare ThinLAN software with MS-DOS 3.1, all references in the ThinLAN documentation to 3.1 can be ignored and replaced with MS-DOS 3.2.



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UPGRADE KIT

Congratulations! You have purchased the MS-DOS 3.2 operating system which will allow your HP150/Touchscreen to support IBM-compatible 3.5" data discs, Microsoft Windows, HP ThinLAN Networks, and many other features.

Most software releases work with your new operating system although there are a few exceptions. Therefore, before you install MS-DOS 3.2, please check to be sure that you already own, or have ordered, the compatible versions of the applications listed in the table below. Please note that this compatibility issue has occurred in the upgrade from DOS 2.x to DOS 3.x on all MS-DOS based computers, including the IBM-PC, and is not unique to the HP150/Touchscreen PC.

If this kit does not contain new firmware and you have version A ROMs, contact your Dealer or HP Sales & Service Office to purchase an MS-DOS 3.2/Firmware Upgrade Kit instead. To identify your firmware, enter terminal mode, press "User" key, press "service keys" label, press "IDENTIFY ROMS" label. If the resulting display shows firmware IDs of 1818-3296, 1818-3295, 1818-3294, 1818-3293, 1818-3292, then you have version A ROMs which do not support DOS 3.2.

<u>Application</u>	<u>Older Version</u>	<u>Compatible Version</u>	<u>Part No</u>
WordStar (150/110)	3.33	3.34	45400-63030
WordStar (HP150)	3.3B or less	3.34	45400-63031
CorrectStar	3.31 or less	3.32	<i>Note 1</i>
GW BASIC	A.01.02 or less	A.01.03	45450-63002
Series 100 Graphics	3.01 or less	Gallery Collection	<i>Note 2</i>
Condor	2.11B or less	2.11.11	<i>Note 3</i>

Note 1: Order Part Number 45429-63002 if you will be downloading CorrectStar to your hard disc from a single-sided disc drive; Part Number 45427-63002 if you have double-sided disc drives.

Note 2: Series 100 Graphics has been discontinued. As a result, if you own Series 100 Graphics you will need to purchase the Gallery Collection (Product No. 45437A) for use with MS-DOS 3.2. The Gallery Collection uses new technology, is easy-to-use, and can read Series 100 Graphics files. To order, contact your Dealer or HP Sales & Service Office.

Note 3: Call Condor at (313)-971-8880 or write to Condor Computer Corporation, 1490 Eisenhower Place, Ann Arbor, MI 48104. Condor offers the latest version of Condor 3 for the Touchscreen PC, as well as kits to upgrade any version of Condor to the most recent release.

About This Document

This document explains how to upgrade the HP Touchscreen II Personal Computer operating system.

The first chapter discusses things you should know before you begin upgrading your operating system.

The next three chapters cover the upgrade instructions. There is a separate chapter for the following types of disc drives:

- Single-Sided, Dual Flexible Disc Drives
- Double-Sided, Dual Flexible Disc Drives
- Fixed Disc Drives

If you're unsure about which set of upgrade instructions to use, see Appendix A. This appendix describes the three types of disc drives and directs you to the appropriate set of upgrade instructions for your disc drive.

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1

Before You Begin

This chapter explains some things you should know before you begin upgrading your HP Touchscreen II Personal Computer operating system.

Before you begin the upgrade, you should know:

- What discs come with the upgrade
- What manuals come with the upgrade
- What firmware is compatible with the new operating system
- What happens to the CONFIG.SYS file during the upgrade

Discs that Come with the Upgrade

The operating system upgrade kit comes with three double-sided discs, formatted single-sided.

The **System Master Disc** is labeled SYS_MASTER. It contains the operating system and the following applications:

- MSDOS COMMANDS
- FORMAT
- DEVICE CONFIG

- EASY CONFIG
- MAKE WORKDISC
- UPDATE SYSTEM
- UPDATE APPS

Note



MAKE WORKDISC, UPDATE SYSTEM and UPDATE APPS are three new applications that simplify the upgrade process. Because these applications are used only during the upgrade process, they do not get installed when you create a new System Work Disc.

The Application Master Disc is labeled APPL__MASTER. It contains the following applications:

- INSTALL
- SET UP P.A.M.
- COPY/BACKUP
- SAVERAM
- STORE CONFIG

The Utility Master Disc is labeled UTIL__MASTER. It contains MS-DOS utility programs.

Manuals that Come with the Upgrade

The operating system upgrade kit comes with these two documents:

- *HP Touchscreen II Personal Computer Operating System Upgrade Instructions* (this document)
- *Using Your HP Touchscreen II Personal Computer Supplement*

Compatible Firmware

Firmware consists of computer programs stored permanently in your computer's memory on ROMs (Read Only Memory chips). Your computer has five firmware ROMs inside it.

The new operating system is compatible with most firmware ROMs. However, it *is not* compatible with the following set of ROMs:

1818-3296
1818-3295
1818-3294
1818-3293
1818-3292

To find out what ROMs your computer has, follow the steps below.

1. Turn on your computer. (If you have a flexible disc drive, you need to insert the System Work Disc before you turn on your computer.) The P.A.M. Main menu appears.
2. Touch **Terminal** or press **(F6)**.

3. Press **User System**.
4. Touch **service keys** or press **F3**.
5. Touch **IDENTIFY ROMS** or press **F6**.

Five numbers appear on your screen under the heading: Firmware IDs. These numbers identify the five ROMs inside your computer.

6. Make sure your computer *does not* have the ROMs listed above. If your computer has these ROMs, **DO NOT** upgrade your computer with the new operating system. Instead, contact the person from whom you bought your computer about obtaining a ROM upgrade.
7. To return to the P.A.M. Main menu, hold down **Shift** and press **Stop** at the same time.

The CONFIG.SYS File

Every time you load the operating system, either by turning your computer on or doing a hard reset, your computer looks for a file called CONFIG.SYS. on the System Work Disc. This file contains configuration information.

The original CONFIG.SYS file that came with your computer (when you purchased it) contained the following information:

```
SHELL=PAMCODE.EXE ROOT
```

Since then, you may have modified this file to include other configuration options.

If you have modified the CONFIG.SYS file, you need to be aware that this upgrade will replace your modified file with the original file that came with your computer. As a result, you need to copy the contents of the CONFIG.SYS file (the one on your current System Work Disc) before you begin the upgrade. Then, when you finish the upgrade, you need to modify the CONFIG.SYS file on your new System Work Disc.

Note



If you need help copying or modifying the CONFIG.SYS file, refer to the chapter entitled Using P.A.M. in the *Using Your HP Touchscreen II Personal Computer Supplement*.

If you're not sure whether you modified the CONFIG.SYS file, check its contents by following the steps below.

1. Turn on your computer. (If you have a flexible disc drive, you need to insert the System Work Disc before you turn on your computer.) The P.A.M. Main menu appears.
2. Select and start the MSDOS COMANDS application.
3. At the MS-DOS system prompt, type the following and then press **Return**.

```
TYPE CONFIG.SYS
```

4. If this information appears on your screen:

```
SHELL=PAMCODE.EXE ROOT
```

the CONFIG.SYS file *has not* been modified.

If anything else appears on your screen, the CONFIG.SYS file *has* been modified. Copy down the information on a piece of paper, exactly the way it

appears on your screen. After you've installed the upgrade, you will need to add this information to the CONFIG.SYS file on your new System Work Disc.

5. To return to the P.A.M. Main menu, type `Exit` at the MS-DOS system prompt.

2

Single-Sided, Dual Flexible Disc Drive Upgrade

This chapter contains upgrade instructions for single-sided, dual flexible disc drives. If you're not sure which type of disc drive you have, see Appendix A at the end of this document.



The upgrade process is made up of three major tasks: (1) Formatting new work discs, (2) Installing the applications contained on the new System Master and Application Master Discs and (3) Copying the files contained on the new Utility Master Disc.

Formatting New Work Discs

Before you can install and copy any of the new applications and utilities, you need to format three new work discs. Follow the steps below to format the new discs.

1. Obtain three new flexible discs. (You install and copy the new applications and utilities onto these discs instead of your old work discs.)
2. Turn on your computer with the new System Master Disc (the one labeled SYS_MASTER) in drive A. The P.A.M. Main menu appears on your screen.
3. Select and start the FORMAT application. The FORMAT Main menu appears.
4. Insert one of the new discs into drive B.

5. Press **Tab** until the arrow points to drive B. Then, press **Select** to highlight drive B.
6. Type a disc label (11 characters or fewer) and press **Return**. If you don't want to label the disc, touch **No Disc Label** or press **F8**.
7. Touch **Copy System** or press **F4** until an asterisk (*) appears in the softkey label. The asterisk indicates that you want to copy the operating system onto the disc.
8. Touch **Start Format** or press **F5**.

After a few moments, you see:

All system files have been read. Insert disc(s) to be Formatted.

9. Because you already inserted the disc into drive B, press **Return**.

After approximately two minutes, the following message appears on your screen:

Press Start Over or Exit Format.

10. Remove the System Master Disc from drive A. Then, remove the disc that you just formatted from drive B and label it as follows (XX/XX/XX is today's date):

System Work
MS-DOS 3.2
XX/XX/XX

11. Insert the remaining two new discs into drives A and B.
12. Touch **Start Over** or press **F6**.

13. Press **Select** to highlight drive A (drive B is already highlighted).
14. Type a disc label (11 characters or fewer) for the disc in drive A and press **Return**. If you don't want to label the disc, touch **No Disc Label** or press **F8**, and then go to step 16.
15. Type a disc label for the disc in drive B. To do this, press **Tab** until the arrow points to drive B. Then, press **Select** twice, type a new label, and press **Return**.
16. Touch **Copy System** or press **F4** until the asterisk (*) disappears from the softkey label. You do not want to copy the operating system onto these discs.
17. Touch **Start Format** or press **F5**.

After approximately two minutes, the following message appears on your screen:

Press Start Over or Exit Format.

18. Remove the discs from drives A and B and label them as follows (XX/XX/XX is today's date):

Application Work	Utility Work
MS-DOS 3.2	MS-DOS 3.2
XX/XX/XX	XX/XX/XX

19. You are finished with the FORMAT application. To return to the P.A.M. Main menu, touch **Exit Format** or press **F8**.

Note



If your system has the minimum amount of memory, you will see the following message instead of being returned to the P.A.M. Main menu:

```
Cannot find A:\PAMCODE.OVL
Change disk or enter a new drive letter and
press Return.
```

To return to the P.A.M. Main menu, insert the System Master Disc into drive A and press **Return**. The P.A.M. Main menu appears. Then, remove the System Master Disc from drive A.

Installing the Applications

Now that you've formatted new work discs, you need to install the applications contained on the new System Master and Application Master Discs. Follow the steps below to install the applications.

1. Insert the new Application Master Disc (the one labeled APPL_MASTER) into drive A and touch **Reread Discs** or press **F4**.
2. Select and start the INSTALL application. The INSTALL Main menu appears.
3. Insert the disc you labeled "Application Work" into drive B.
4. Touch **Install Applics** or press **F1**.

You see disc A highlighted under FROM: and disc B highlighted under TO:.

5. Touch **Show Applics** or press **(F5)**.

The following applications, contained on the new Application Master Disc, should appear on your screen:

INSTALL	SET UP P.A.M.
COPY/BACKUP	SAVERAM
STORE CONFIG	

6. Select each of the above applications until they are all highlighted. Then, touch **Start Install** or press **(F5)**.

After approximately three minutes, the following message appears on your screen:

INSTALL completed.

7. Remove the Application Master Disc from drive A and the Application Work Disc from drive B.
8. Insert the System Master Disc into drive A and the disc you labeled "System Work" into drive B.
9. Touch **Reread Applics** or press **(F4)**.

The following applications, contained on the new System Master Disc, should appear on your screen:

FILE MANAGER	MSDOS COMMANDS
FORMAT	DEVICE CONFIG
EASY CONFIG	

10. Select each of the above applications, *except* FILE MANAGER, until they are all highlighted.

Note



Do not select and install FILE MANAGER as an application unless you have read the chapter entitled Using File Manager in the *Using Your HP Touchscreen II Personal Computer Supplement*.

11. Touch **Start Install** or press **(F5)**.

After approximately three minutes, the following message appears on your screen:

INSTALL completed.

12. You are finished with the INSTALL application. To return to the P.A.M. Main menu, touch **Exit Select** followed by **Main Menu** and **Exit Install**, or press **(F6)** three times.

Copying the Files

The final task in the upgrade process is to copy the files contained on the new Utility Master Disc. Follow the steps below to copy the files.

1. Remove the System Master Disc from drive A and the System Work Disc from drive B. Then, insert the Application Master Disc into drive A and touch **Reread Discs** or press **(F4)**.
2. Select and start the COPY/BACKUP application. The COPY/BACKUP Main menu appears.

3. Remove the Application Master Disc from drive A. Then, insert the new Utility Master Disc (the one labeled UTIL_MASTER) into drive A and the disc you labeled "Utility Work" into drive B.

4. The following message appears on your screen:

Where are files coming from?

Type A: and press **Return**.

5. Then, another message appears on your screen:

Where are files going?

Type B: and press **Return**.

6. Touch **Copy Files** or press **F1**.

7. Touch **Select All** or press **F3**.

8. Touch **Start Copy** or press **F5**.

After approximately three minutes, the following message appears on your screen:

Copy is completed.

9. You are finished with the COPY/BACKUP application. To return to the P.A.M. Main menu, touch **Continue** followed by **COPY/BKP Main** and **Exit COPY/BKP**, or press **F8** three times.

Note



If your system has the minimum amount of memory, you will see the following message instead of being returned to the P.A.M. Main menu:

```
Cannot find A:\PAMCODE.OVL
Change disk or enter a new drive letter and
press Return.
```

To return to the P.A.M. Main menu, remove the Utility Master Disc from drive A. Then, insert the System Work Disc into drive A and press **Return**. The P.A.M. Main menu appears.

Now that You're Finished

Congratulations! You have just successfully upgraded your operating system.

Now that you're finished, there are a few things you need to remember:

- Make sure you use your new **WORK** discs (the ones you just created) whenever you use your computer.
- Make sure you put your new **MASTER** discs in a safe place.
- Make sure you put your old **WORK** discs away, so that you won't confuse them with your new **WORK** discs.

- If you have copied the operating system onto an application work disc (for example, MemoMaker), make sure you create a new application work disc. To do this, (1) format a new work disc with the Copy System option, and then (2) use the application master to install the application onto the new work disc.



Double-Sided, Dual Flexible Disc Drive Upgrade

3

This chapter contains upgrade instructions for double-sided, dual flexible disc drives. If you're not sure which type of disc drive you have, see Appendix A at the end of this document.

The upgrade process is made up of one major task: Using the new MAKE WORKDISC application. This new application (1) formats a new work disc, (2) installs the applications contained on the new System Master and Application Master Discs, and (3) copies the files contained on the new Utility Master Disc.

Note



MAKE WORKDISC only works with system applications and files. Therefore, you can't use it to format, install or copy anything else (for example, MemoMaker).

Formatting, Installing and Copying

This section tells you how to use the new MAKE WORKDISC application to format a new work disc, install the applications contained on the new System Master and Application Master Discs, and copy the files contained on the new Utility Master Disc. Follow the steps below to format, install and copy.

1. Obtain one new double-sided flexible disc. (You install and copy the new applications and utilities onto this disc instead of your old work disc.)

Label it as follows (XX/XX/XX is today's date):

System Work
MS-DOS 3.2
XX/XX/XX

Note



You only need one new double-sided disc, and not three. Why? Because the three double-sided discs in the upgrade kit are formatted on one side only. Therefore, the contents of all three discs will fit onto one double-sided disc if it is formatted on both sides.

2. Turn on your computer with the new System Master Disc (the one labeled SYS_MASTER) in drive A. The P.A.M. Main menu appears on your screen.
3. Insert the disc you labeled "System Work" into drive B.
4. Select and start the MAKE WORKDISC application.

The following message appears on your screen:

```
A>ECHO OFF
*** Installation will be from disc "A:" to
disc "B:".
*** If this is NOT correct, hold down
CTRL and press "C".
*** If this IS correct, press any alpha-
numeric key to continue.
Strike a key when ready . . .
```

5. Press **Return**.

The following message appears on your screen:

```
*** INSERT SYS MASTER AS DISC A:. ***  
Strike a key when ready . . .
```

Note



This is the first of five prompts you will receive from MAKE WORKDISC to change the master disc in drive A. The System Work Disc in drive B remains there the entire time you are using the MAKE WORKDISC application; you do not change it.

6. Because you already inserted the System Master Disc into drive A, press **Return**.

MAKE WORKDISC now runs the FORMAT application which formats the new work disc and copies the operating system. After approximately two minutes, the following message appears on your screen:

```
*** INSERT APPL MASTER AS DISC A:. ***  
Strike a key when ready . . .
```

7. Remove the System Master Disc from drive A.
8. Insert the new Application Master Disc (the one labeled APPL_MASTER) into drive A and press **Return**.

MAKE WORKDISC now copies files from the Application Master Disc. After approximately one minute, the following message appears on your screen:

```
*** INSERT SYS MASTER AS DISC A:. ***  
Strike a key when ready . . .
```

9. Remove the Application Master Disc from drive A.
10. Insert the System Master Disc into drive A and press **Return**.

MAKE WORKDISC now runs the INSTALL application to install the applications contained on the System Master Disc. As each application is installed, its name and the names of its files appear on your screen.

After approximately four minutes, the following message appears on your screen:

```
*** INSERT APPL MASTER AS DISC A:. ***  
Strike a key when ready . . .
```

11. Remove the System Master Disc from drive A.
12. Insert the Application Master Disc into drive A and press **Return**.

MAKE WORKDISC now runs the INSTALL application again to install the applications contained on the Application Master Disc. After approximately five minutes, the following message appears on your screen:

```
*** INSERT UTIL MASTER AS DISC A:. ***  
Strike a key when ready . . .
```

13. Remove the Application Master Disc from drive A.
14. Insert the new Utility Master Disc (the one labeled UTIL_MASTER) into drive A and press **Return**.

MAKE WORKDISC now copies files from the Utility Master Disc. After approximately two minutes, the following message appears on your screen:

All installable applications installed on disc B.

All MS-DOS utilities copied onto disc B.

and you are returned to the P.A.M. Main menu.

Note



If your system has the minimum amount of memory, you will see the following message instead of being returned to the P.A.M. Main menu:

```
Cannot find A:\PAMCODE.OVL
Change disk or enter a new drive letter and
press Return.
```

To return to the P.A.M. Main menu, remove the Utility Master Disc from drive A. Then, remove the System Work Disc from drive B, insert it into drive A and press **Return**. The P.A.M. Main menu appears.

Now that You're Finished

Congratulations! You have just successfully upgraded your operating system.

Now that you're finished, there are a few things you need to remember:

- Make sure you use your new **WORK** disc (the one you just created) whenever you use your computer.
- Make sure you put your new **MASTER** discs in a safe place.
- Make sure you put your old **WORK** disc away, so that you won't confuse it with your new **WORK** disc.

- If you have copied the operating system onto an application work disc (for example, MemoMaker), make sure you create a new application work disc. To do this, (1) format a new work disc with the Copy System option, and then (2) use the application master to install the application onto the new work disc.

4

Fixed Disc Drive Upgrade

This chapter contains upgrade instructions for fixed disc drives. If you're not sure which type of disc drive you have, see Appendix A at the end of this document.

The upgrade process is made up of three major tasks: (1) Removing several old applications from your fixed disc, (2) Using the new UPDATE SYSTEM application to copy the new operating system, and (3) Using the new UPDATE APPS application to install the new System Master and Application Master applications, and copy the new Utility Master files.

Note



UPDATE SYSTEM and UPDATE APPS only work with system applications and files. Therefore, you can't use them to install or copy anything else (for example, MemoMaker).

Removing the Old Applications

Before you can install and copy any of the new applications and utilities, you need to remove several old applications from your fixed disc. Follow the steps below to remove the old applications.

1. Turn on your computer. The P.A.M. Main menu appears on your screen.

2. Select and start the INSTALL application. The INSTALL Main menu appears.

3. Touch **Remove Applics** or press **(F4)**.

Make sure the drive highlighted under FROM: is your fixed disc drive (drive A). If drive A isn't your fixed disc drive, press **(Tab)** until your fixed disc drive is highlighted.

4. Touch **Show Applics** or press **(F5)**. Then, select the following applications until they are all highlighted:

- INSTALL
- SET UP P.A.M.
- COPY/BACKUP

5. Touch **Start Remove** or press **(F5)**.

After a few moments, the following message appears on your screen:

REMOVE completed

6. You are finished with the INSTALL application. To return to the P.A.M. Main menu, touch **Exit Select** followed by **Main Menu** and **Exit Install**, or press **(F8)** three times.

Copying the New Operating System

Now that you've removed the old applications, you need to use the new UPDATE SYSTEM application. This application copies the new operating system onto your fixed disc. Follow the steps below to copy the operating system.

1. Insert the new System Master Disc (the one labeled SYS_MASTER) into drive B and touch **Reread Discs** or press **F4**.

Note



In order to use UPDATE SYSTEM, your system must be configured so that drive B (your flexible disc drive) is the source drive and drive A (your fixed disc drive) is the destination drive. If your system isn't configured this way, do not select and start UPDATE SYSTEM in the next step. Instead, select and start the MSDOS COMANDS application. Then, type the following new command at the MS-DOS system prompt:

```
UPDATSYS <source drive>: <destination drive>:
```

Finally, go to step 3 and follow the rest of the instructions in this section, substituting your drive letters for A and B.

2. Select and start the UPDATE SYSTEM application.

The following message appears on your screen:

```
B>ECHO OFF
*** System will be copied from disc "B:" to
disc "A:".
*** If this is NOT correct, hold down
CTRL and press "C".
*** If this IS correct, press any alpha-
numeric key to continue.
Strike a key when ready . . .
```

3. Press **Return**.

UPDATE SYSTEM now copies the new operating system onto your fixed disc. After approximately two minutes, the following message appears on your screen:

```
1 File(s) copied
System transferred
Your system will now reboot from drive A:.
When the P.A.M. Main menu or the MS-DOS
system prompt appears, run UPDATE APPS.
Strike a key when ready . . .
```

Note



If your system is unable to restart (reboot) from drive A, you will see the following message, instead of the message shown above:

```
1 File(s) copied
System transferred
Invalid COMMAND.COM
Insert COMMAND.COM disk in drive B
and strike any key when ready
```

To restart your system from drive A, press **CTRL**, **Shift** and **Reset** at the same time. The P.A.M. Main menu appears. You do not need to press **Return** in the next step. You are ready to go to the next section of this document.

4. Press **Return** to return to the *new* P.A.M. Main menu.

Note



If you don't see the UPDATE APPS application on the P.A.M. Main menu, your computer is accessing the wrong device configuration. To correct this, follow the steps below.

1. Select and start the DEVICE CONFIG application.
 2. Touch **Save Config** or press **F4**.
 3. Touch **Exit Config** or press **F8**. The P.A.M. Main menu appears with the UPDATE APPS application.
-

Installing and Copying

The final task in the upgrade process is to use the new UPDATE APPS application. This application installs the applications contained on the new System Master and Application Master Discs, plus copies the files contained on the new Utility Master Disc. Follow the steps below to install and copy.

Note



In order to use UPDATE APPS, your system must be configured so that drive B (your flexible disc drive) is the source drive and drive A (your fixed disc drive) is the destination drive. If your system isn't configured this way, do not select and start UPDATE APPS in the first step. Instead, type the following new command at the MS-DOS system prompt:

```
UPDATAPS <source drive>: <destination drive>:
```

Then, go to step 2 and follow the rest of the instructions in this section, substituting your drive letters for A and B.

1. Select and start the UPDATE APPS application.

The following message appears on your screen:

```
B>ECHO OFF
*** Installation will be from disc "B:" to
disc "A:".
*** If this is NOT correct, hold down
CTRL and press "C".
*** If this IS correct, press any alpha-
numeric key to continue.
Strike a key when ready . . .
```

2. Press **Return**.

The following message appears on your screen:

```
*** INSERT UTIL MASTER AS DISC B:. ***
Strike a key when ready . . .
```

Note



This is the first of five prompts you will receive from UPDATE APPS to change the master disc in drive B.

3. Remove the System Master Disc from drive B.
4. Insert the new Utility Master Disc (the one labeled UTIL_MASTER) into drive B and press **Return**.

UPDATE APPS now copies one file from the Utility Master Disc. After approximately one minute, the following message appears on your screen:

```
*** INSERT APPL MASTER AS DISC B:. ***
Strike a key when ready . . .
```

5. Remove the Utility Master Disc from drive B.

6. Insert the new Application Master Disc (the one labeled APPL_MASTER) into drive B and press **Return**.

UPDATE APPS now copies five files from the Application Master Disc. After approximately one minute, the following message appears on your screen:

```
*** INSERT SYS MASTER AS DISC B:. ***  
Strike a key when ready . . .
```

7. Remove the Application Master Disc from drive B.
8. Insert the System Master Disc into drive B and press **Return**.

UPDATE APPS now runs the INSTALL application to install the applications contained on the System Master Disc. As each application is installed, its name and the names of its files appear on your screen.

After approximately four minutes, the following message appears on your screen:

```
*** INSERT APPL MASTER AS DISC B:. ***  
Strike a key when ready . . .
```

9. Remove the System Master Disc from drive B.
10. Insert the Application Master Disc into drive B and press **Return**.

UPDATE APPS now runs the INSTALL application again to install the applications contained on the Application Master Disc. After approximately five minutes, the following message appears on your screen:

```
*** INSERT UTIL MASTER AS DISC B:. ***  
Strike a key when ready . . .
```

11. Remove the Application Master Disc from drive B.
12. Insert the Utility Master Disc into drive B and press **Return**.

UPDATE APPS now copies a number of files from the Utility Master Disc. After approximately two minutes, the following message appears on your screen:

All installable applications installed on disc A.

All MS-DOS utilities copied onto disc A.

and you are returned to the P.A.M. Main menu.

Now that You're Finished

Congratulations! You have just successfully upgraded your operating system.

Now that you're finished, make sure you put your new MASTER discs in a safe place.



A Disc Drives

This appendix describes three types of disc drives you can use with your HP 150/Touchscreen computer.

A single-sided, dual flexible disc drive has two flexible drives in the same unit. Both drives accept single-sided flexible discs. Single-sided flexible discs can hold information on only one side.

A double-sided, dual flexible disc drive also has two flexible drives in the same unit. Both of these drives accept double-sided flexible discs. Double-sided flexible discs can hold information on both sides.

Note



You can use double-sided discs in single-sided drives if you format the discs single-sided first. You can also use single-sided discs in double-sided drives. However, you should avoid using single-sided discs in double-sided drives on a regular basis as it causes excessive wear on the disc drive.

A fixed disc drive with a flexible disc drive has a fixed drive and either a single-sided flexible drive or a double-sided flexible drive in the same unit. The fixed drive has a built-in disc. The flexible drive accepts single and double-sided flexible discs as explained in the note above.

The following table lists the HP disc drive model numbers for the three types of disc drives. Check this table if you're unsure about which set of upgrade instructions to

use for your disc drive.

HP Disc Drives

Disc Drive Model #	Type of Disc Drive
9121D	Single-Sided, Dual Flexible
9122D	Double-Sided, Dual Flexible
9123D	Double-Sided, Dual Flexible
9133D, 9133H, 9133L	Fixed (with a Double-Sided Flexible)
9133V, 9133XV	Fixed (with a Single-Sided Flexible)
9153A	Fixed (with a Double-Sided Flexible)

Note



The model number is located on the back of your disc drive.

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