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Macintosh Hardware System Update 1.0: Description (10/93)

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TOPIC --

The Macintosh Hardware System Update version 1.0 contains a set of
software enhancements that address specific problems a small number of
Macintosh computer users encounter. This update requires system
software version 7.1. Only customers experiencing the problems
described in this article should install the update. Do not install
this update on a Macintosh Performa.

The Hardware System Update 1.0 is provided on a high density floppy
disk. It isn't provided on an 800K disk because the fixes it contains
apply only to Macintosh models with SuperDrives.

DISCUSSION ---

What the Update Does

The Update provides system-level improvements that fine-tune the
system clock and make high-speed modem communications more reliable
for users of Macintosh LC, LC II, IIsi, IIvx, IIvi, Classic II, Quadra
900, and 950 systems.

In addition, the Update addresses a possible floppy drive problem for
some users of the Macintosh IIsi, IIci, IIvx, IIvi, Quadra 700 and
950. The update eliminates possible problems encountered when
ejecting disks during system shut-down.

It updates the Memory control panel to version 7.1.1 to improve
performance in certain low memory conditions. This affects the
Macintosh IIvx and IIvi, all PowerBook models, and all Macintosh
Quadra models.

Future versions of System 7 will include these enhancements.

Features

• Includes Apple HD SC Setup version 7.2, which gives you more
  flexibility to format large Apple hard disks between 1 and 2
  gigabytes. (Note: We recommend that you update your hard disk

drivers and also update the version of this utility that is on your
System 7.1 Disk Tools disk. See "Updating Apple Utilities" and
"Updating Apple Drivers" below.)

- Includes Apple Disk First Aid 7.2, a utility that repairs damaged
  disks. This version contains a brand-new (differing greatly from the
  last, 7.1.1, release of Disk First Aid) user interface. (Note: We
  recommend that you update the version of this utility that is on
  your System 7.1 Disk Tools disk. See "Updating Apple Utilities" and
  "Updating Apple Drivers" below.)

- Includes MacCheck 1.0.3, a support utility that has previously only
  been placed on Performa and LC 520 computers at the factory.
  MacCheck creates a profile of your Macintosh computer, including:

  - The processor, memory, expansion cards, SCSI drives, keyboard,
    monitor, and so on.
  - The installed applications and system software on your startup
    drive.

  MacCheck also provides:

  - A general logic board test
  - A checker for corrupted directories and System files
  - A checker for duplicate System files

  (Note: We recommend that you update the version of this utility that
  is on your hard disk -- if you already have it. See "Updating
  MacCheck Utility" below.)

- Improves the reliability of high-speed modems and similar devices.
  This feature prevents infrequent system crashes and makes serial
  communications (for high-speed modems and similar devices) more
  reliable. Macintosh models affected: Macintosh LC, LC II, IIsi,
  IIvx, IIvi, Macintosh Classic II, Macintosh Quadra 900, and
  Macintosh Quadra 950.

- Improves the accuracy of the system's clock. This feature keeps the
  tick count accurate on the system clock. Macintosh models affected:
  Macintosh LC, LC II, IIsi, IIvx, IIvi, Macintosh Classic II,
  Macintosh Quadra 900, and Macintosh Quadra 950.

- Corrects problems ejecting floppy disks when the computer is shut
  down. This feature prevents disks from getting stuck in the floppy
  disk drive when the computer is shut down. (This feature adds a one
  second delay to the shutdown process to give the floppy disk drive
  enough time to eject the disk before the power supply shuts down.)
  Macintosh models affected: Macintosh IIsi, IIci, IIvx, IIvi,
  Macintosh Quadra 700, and Macintosh Quadra 950.

- Corrects sound input problems after using Macintosh File Exchange on
  the Macintosh Color Classic. This feature restores sound input
  capability after you quit Apple File Exchange. Macintosh models

affected: Macintosh Color Classic.

• Corrects problems you may have with SCSI devices. This feature
  prevents random failures reading information from SCSI (Small
  Computer Systems Interface) devices. Most users will be unaffected
  by this change. Macintosh models affected: Macintosh IIvx, vi, and
  LC III. (This correction only affects those computers with the new
  Zilog chip and some rare devices which use the slow one-byte read
  SCSI mode.)

• Updates the Memory Control Panel to version 7.1.1, which improves
  performance in certain low memory conditions. This feature fixes
  possible memory problems that occur while using large RAM disks with
  System 7.1. Users can restart their computers when RAM disks are
  set to 100% of memory. Macintosh models affected: Macintosh IIvx,
  IIvi, LC III, Macintosh Quadra 700, Quadra 900, Quadra 950, and all
  Macintosh PowerBook computers.

Installation

The Installer automatically determines what software the computer
needs, if any. Follow these steps:

1) Open the Installer icon.
2) Click the Install button.
3) When you see a message that installation is complete, click the
   Restart or Quit button.

Updating MacCheck Utility

The MacCheck ƒ folder on the Software Utility Update 1.0 disk contains
the latest version of the MacCheck application. This update is
intended to permanently replace the copies of MacCheck that you may
already have on your Macintosh hard drive.

Follow these steps to complete the updates:

1) Put the Software Utility Update 1.0 disk into your floppy disk
   drive.

2) Choose a folder on your hard drive to place MacCheck. If you're
   replacing MacCheck, please choose the folder where it currently
   resides. MacCheck is placed in the Applications folder on
   Macintosh Performa systems and in the Utilities folder on Macintosh
   LC 520 systems. If you are unsure whether you already have
   MacCheck, click on your hard drive icon, and then use the Find menu
   item in the File menu to search for "MacCheck".

3) Click on the MacCheck ƒ window to make it active, and then choose
   Select All from the Edit menu.

4) Click either icon in the MacCheck ƒ window and drag it on top of
   the icon of the folder on your hard drive that you wish to copy to,

then release the mouse button. (Note: Both the MacCheck and the
MacCheck dataFile icons should have moved to the selected folder.
If only one icon moved, you can try to repeat steps 3 and 4, or
drag the icon that didn't move from the MacCheck ƒ folder to the
selected folder.)

5) If your Macintosh warns you that the files in your selected folder
   have the same names as the items that you are moving, click OK.

Updating Apple Utilities

The Utilities ƒ folder on the Software Utility Update 1.0 disk
contains the latest versions of the Apple HD SC Setup and Apple Disk
First Aid applications. These updates are intended to permanently
replace the copies of Apple HD SC Setup and Apple Disk First Aid that
come on your System 7.1 Disk Tools disk. Follow these steps to
complete the updates:

1) Put the Software Utility Update 1.0 disk into your floppy disk
   drive. Then choose Eject Disk from the Special menu.

2) Put the System 7.1 Disk Tools disk into your floppy disk drive.

3) Click the Utilities ƒ window to make it active, and then choose
   Select All from the Edit menu.

4) Click either icon in the Utilities ƒ window and drag it on top of
   the icon for the Disk Tools disk, then release the mouse button.
   (Note: Both the HD SC Setup and the Disk First Aid icons should
   have moved to the Disk Tools disk. If only one icon moved, you can
   try to repeat steps 3 and 4, or drag the icon that didn't move from
   the Utilities ƒ folder to the Disk Tools disk.)

5) Your Macintosh warns you that the files on your Disk Tools disk
   have the same names as the items that you are moving. Click OK.

6) You will be asked to insert specific disks until the files are
   fully copied.

Updating Apple Drivers

The Macintosh Software Utility Update also contains a driver update
for Apple hard disk drives. You should install the driver update on
each Apple hard disk drive you own by following these steps:

1) With your computer off, insert the updated System 7.1 Disk Tools
   disk into your floppy disk drive. Now turn your computer on.
   (Note: The Disk Tools disk should already be modified according to
   the six steps listed in "Updating Apple Utilities" above.)

2) Double-click the Disk Tools icon to open the disk.

3) Double-click the Apple HD SC Setup icon in the Disk Tools window.

4) Click the Drive button until the name of the hard disk you want to
   update appears as the volume name.

5) Click the Update button.

6) Repeat steps 4 and 5 for any other Apple hard disk drives you own.

7) Click the Quit button.

Article Change History:
27 May 1993 - Revised to explain that update only offered on
high-density disks.
19 October 1993 - Added Features, Updating MacCheck, Apple
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