

## HP 9144A Cartridge Tape Drive

There are two versions of the HP 9144A. In the more recent drives, special routines have been included to allow fast, efficient head cleaning. Try the steps for Newer Drives below first; if nothing happens at step 3, press **[EJECT]**, remove the cartridge and then follow the steps for Older Versions. You may wish to contact your local HP Sales and Service Office for details of upgrading your drive to include the new routines for head cleaning.

### Recent Drives

1. Ensure that the plastic slide tab on the cleaning cartridge is in the *OFF* position.
2. Thoroughly moisten the foam pad with cleaning fluid.
3. Insert the cartridge into the front of the tape drive. Cleaning will take place for about 20 seconds, during which the *BUSY* light will be lit.
4. When cleaning has finished (*BUSY* goes out), remove the cartridge by pressing the **[EJECT]** button.

### Early Drives

1. Ensure that the plastic slide tab on the cleaning cartridge is in the *ON* position.
2. Thoroughly moisten the foam pad with cleaning fluid.
3. Insert the cartridge into the front of the tape drive. Listen during the next 20 seconds or so, and you should hear three separate short whirring sounds followed by a long loud clicking sound (the sound you normally hear when unloading a tape cartridge). The mechanism is not being harmed, even though the sounds are alarming.
4. Press the **[EJECT]** button *during* the loud clicking sound, and the cartridge will be ejected. If you miss the opportunity, the sequence of whirring sounds followed by a clicking sound will be repeated at irregular intervals. You can eject the cartridge whenever the loud clicking sound is happening.
5. Remove the cartridge and return it to its box.
6. Turn the drive *OFF* and *ON* again, in order to reset the error condition produced by head cleaning.

## HP 9142A Cartridge Tape Drive

There are two versions of the HP 9142A Cartridge Tape Drive. In the more recent drives, special routines have been included to allow fast, efficient head cleaning. Try the steps for Newer Drives below first; if nothing happens at step 3, press **[EJECT]**, remove the cartridge and then follow the steps for Older Versions. You may wish to contact your local HP Sales and Service Office for details of upgrading your drive to include the new routines for head cleaning.

### Recent Drives

1. Ensure that the plastic slide tab on the cleaning cartridge is in the *OFF* position.
2. Thoroughly moisten the foam pad with cleaning fluid.
3. Insert the cartridge into the front of the tape drive. Cleaning will take place for about 20 seconds, during which the *BUSY* light will be lit.
4. When cleaning has finished (*BUSY* goes out), remove the cartridge by pressing the **[EJECT]** button.

### Early Drives

1. Ensure that the plastic slide tab on the cleaning cartridge is in the *ON* position.
2. Thoroughly moisten the foam pad with cleaning fluid.
3. Insert the cartridge into the front of the tape drive. Cleaning will take place for about 2 minutes, during which the *BUSY* light will be lit. This is a noisy operation, but does not harm the drive.
4. When cleaning has finished (*BUSY* and *PROTECT* flash), remove the cartridge by pressing the **[EJECT]** button.
5. Turn the drive *OFF* and *ON* again, in order to reset the flashing lights which normally accompany an error condition.

# HP 92281C Cleaning Cartridge Kit

for 1/4-inch  
Cartridge Tape Drives  
HP 35401A  
HP 9145A  
HP 9144A  
HP 9142A

Operating Instructions

## Overview

### What does the HP Cleaning Cartridge do?

It provides a reliable and easy way of cleaning the read/write head of your cartridge tape drive. Because it is simple to use, regular head-cleaning need no longer be a chore.

### How does it work?

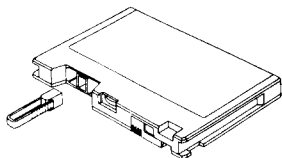
All you need to do is to moisten the foam pad in the cleaning cartridge with Head Cleaning fluid, and insert the cartridge in the tape drive. The drive automatically cleans the tape head itself by moving the foam pad rapidly backwards and forwards. Cleaning instructions for each type of cartridge tape drive are given below.

### How often should I use the Cleaning Cartridge?

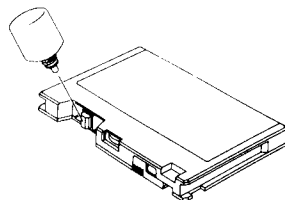
You should plan to clean the tape head at least *once a week*. It is also a good idea to use the cleaning cartridge after using about eight new tape cartridges, and certainly *if you are experiencing data errors*. Consult the operating manual for your drive for further instructions.

### How often should I change the foam pad?

Replace the foam pad *every time you use the cartridge*. Even a used pad that *looks* clean contains contaminants. Simply use the tweezers to pull the used pad out of its socket, and firmly push a new pad in. Do not use an old pad again by reversing it – throw it away.



### Cleaning Fluid – Use and Precautions

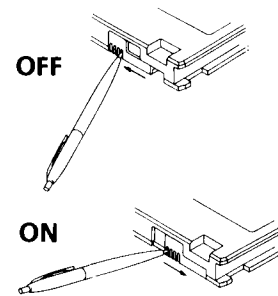


The bottles of fluid have applicator tops to control the flow of liquid. Squeeze fluid onto the foam pad to make it thoroughly wet, and use the cleaning cartridge quickly, because the fluid evaporates very fast. Keep the bottles in a cool place and tightly closed.

**WARNING:** Contains Isopropyl Alcohol. Flammable. Keep away from heat and open flame. Dangerous if taken internally. In case of eye contact, flush with water for 15 minutes and get medical attention. Store in a cool place not to exceed 100°F.

**NOTE:** To ensure reliability, use only the Head Cleaner fluid supplied by HP. HP does not support any cleaner other than a solution of isopropyl alcohol such as is supplied with this cartridge.

### The position of the Slide Tab



Cleaning will always occur when the Slide Tab on the cartridge is in the *ON* position (see the arrows on the cartridge label), but more recent versions of some cartridge tape drives perform a faster cleaning cycle with the Slide Tab in the *OFF* position. The instructions below for each tape drive will tell you if this is the case.

### Error Messages

With some computer systems, use of the cleaning cartridge can cause error messages to be displayed. You should ignore these.

### Kit Contents

1 Cleaning Cartridge with foam pad  
12 Replacement Foam Pads  
2 Containers of Head Cleaning fluid  
1 Tweezer  
1 Operating Instructions  
1 Cleaning Record

Reorder Part Number 92281C Cleaning Cartridge Kit.

Replenishment Kit (Foam Pads and Cleaning Fluid) ..... part no. 92281D

Complete Cleaning Kit ..... part no. 92281C

## HP 35401A Cartridge Tape Drive

1. The plastic slide tab should be in the off position.
2. Thoroughly moisten the foam pad with cleaning fluid.
3. Place the cartridge in the *lowest* position of a cartridge magazine.
4. Lower the magazine into the tape drive, and close the front door.
5. The drive will now perform its pre-load sequence until it finds the cleaning cartridge, which it will load. It cleans the head and unloads the cartridge back to the magazine. Finally, the door opens. This whole process takes about 2 minutes.
6. Remove the magazine, take out the cleaning cartridge and replace it in its box.

**NOTE:** The drive will find the cleaning cartridge wherever it is in the magazine, but the higher it is, the longer it will take to find it. Since the cleaning fluid evaporates very quickly, place the cleaning cartridge in the lowest position.

## HP 9145A Cartridge Tape Drive

The tape head should be cleaned:

- Whenever the **clean** lamp is lit.
- After using a new data cartridge for the first time.
- Most importantly, if data errors are experienced.

Clean the head as follows:

1. Ensure that the plastic slide tab on the cleaning cartridge is in the *OFF* position.
2. Thoroughly moisten the foam pad with the cleaning fluid provided.
3. Insert the cartridge into the tape drive. Cleaning will take place for about 35 seconds, during which the **clean** light flashes.
4. When cleaning has finished (**clean** goes out), remove the cartridge by pressing the **EJECT** button.
5. Discard the foam pad after use.