

# HP 82936A ROM Drawer Instruction Sheet



The HP 82936A ROM Drawer enables you to use special plug-in ROMs (read-only-memory units) to increase the capabilities of your Series 80 computer system. By using one of the plug-in ports on the computer, the ROM drawer can connect as many as six ROMs to the system.

## WARNING

Do not place fingers, tools, or other foreign objects into the computer's plug-in ports. Such actions may result in minor electrical shock hazard and interference with pacemaker devices worn by some persons. Damage to the computer's port contacts and internal circuitry may also result.

## Installing and Removing Plug-In ROMs

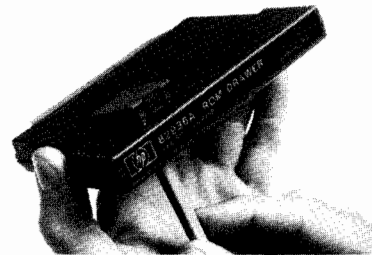
Plug-in ROMs are used with the Series 80 system by first installing them in the HP 82936A ROM Drawer and then installing the ROM drawer in one of the ports in the computer.

## CAUTION

Leave the protective caps on all ROM drawer slots that are not in use. Do not touch the contacts inside the ROM drawer with your fingers or foreign objects. Failure to observe these cautions may allow static electricity to damage the system.

### To install a plug-in ROM in the ROM drawer:

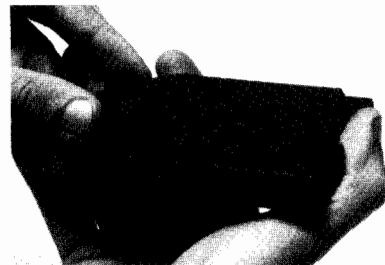
1. Insert the eraser end of a pencil into the circular hole on the underside of the ROM drawer and press the cap off any one of the six rectangular slots. Leave the protective cap on any slot that is not in use.



## CAUTION

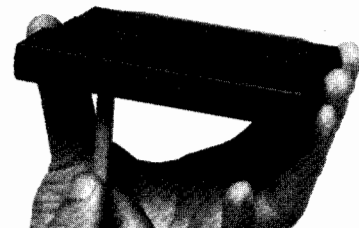
Do not install duplicate ROMs in the ROM drawer. Duplicate ROMs may cause damage to the system or create error conditions.

2. Position the ROM with its label up and the beveled end toward the connector side of the ROM drawer. Align the two rows of holes on the underside of the ROM with the spring-finger connectors in the ROM drawer slot. Press the ROM into the slot so that the top of the ROM is flush with the ROM drawer surface. The slot is shaped to prevent the ROM from being installed backwards.



### To remove a plug-in ROM from the ROM drawer:

1. Insert the eraser end of a pencil into the ROM drawer hole under the ROM you wish to remove. Push up gently with the pencil until the ROM pops out.
2. Replace the protective cap on the empty slot in the ROM drawer.



## Installing and Removing the ROM Drawer

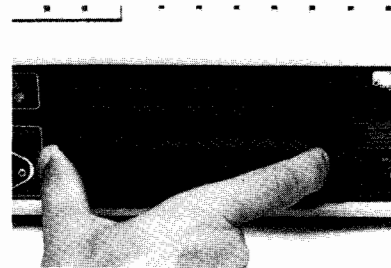
The computer is designed to operate with no more than one HP 82936A ROM Drawer installed at any time. Installing more than one ROM drawer may create error conditions.

### CAUTION

Always turn off the computer and any connected peripherals *before* installing or removing the ROM drawer. If this is not done, the system may be damaged.

### To install the ROM drawer:

1. Turn off the computer and any connected peripherals.
2. Remove the protective cover from any unused computer port. Remaining unused ports should be kept covered.



### CAUTION

Do not force the ROM drawer into the port. If the ROM drawer is upside-down, forcing it further may result in damage to the computer or the ROM drawer itself.

3. Position the ROM drawer with the ROMs facing up, and insert the contact end into the port. Slide it in until the grips meet the sides of the port. A slight side-to-side motion may be necessary to seat the ROM drawer in the port. The tracks are keyed to prevent the ROM drawer from being installed upside down.



The capabilities of the installed ROMs are now available to your Series 80 system. You do not have to remove the ROM drawer unless you want to change the ROMs in your system.

### To remove the ROM drawer:

1. Turn off the computer and any connected peripherals.
2. Firmly grasp the ROM drawer and pull it from the port. Store the ROM drawer in its original container or where it will be safe from damage.



3. Replace the protective port cover.

## Maintenance

If at any time you suspect that the ROM drawer or ROMs may be malfunctioning, do the following:

1. Turn off the computer and all peripherals. After disconnecting the ROM drawer and all other plug-in devices from the ports, turn on the computer. If the cursor appears and no Error message is displayed, the computer is functioning properly.
  
2. Turn off the computer. After installing the ROM drawer in any port, turn on the computer.
  - If Error 112 is displayed, indicating that a particular ROM is not operating properly, try the ROM in another ROM drawer slot. This will help determine whether the ROM drawer or the ROM is causing the problem.
  
  - If the cursor does not appear, the system is not operating properly. To help determine which device is interfering with proper operation, repeat this step with the ROM drawer installed in a different port, both with no ROMs in the ROM drawer and with single ROMs in the ROM drawer.

**Note:** It should not be necessary to clean the contacts. The action of installing ROMs and the ROM drawer is normally sufficient to clean contamination from the contacts.

3. If any device does not operate properly, repair service is required.

## Warranty and Repair Service Information

The complete warranty statement and procedures for obtaining repair service are contained on the Warranty and Service sheet shipped with your HP 82936A ROM Drawer. If you need additional information, please contact your authorized HP dealer or the nearest Hewlett-Packard Sales and Service facility. The addresses of these facilities are listed at the back of the owner's manual for your computer.



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