INSTALLING THE MAINTENANCE DRIVER

If you want to change the programs stored in the flash ROM on the main PCB or after you replace the main PCB, load the desired programs to the flash ROM.

Loading requires a PC/AT-compatible computer running Windows 2000 or later.

Caution: During loading, never turn off your PC or the machine, unplug the USB interface cable, interrupt loading or load invalid data. If you do so, loading will fail, causing the PCB to be unusable. You will have to replace the main PCB and load programs to a new PCB.

[1] Preparation

You need the Brother Maintenance USB Printer driver and filedg32.exe (provided by Brother Industries). Save them in an arbitrary folder in your PC.
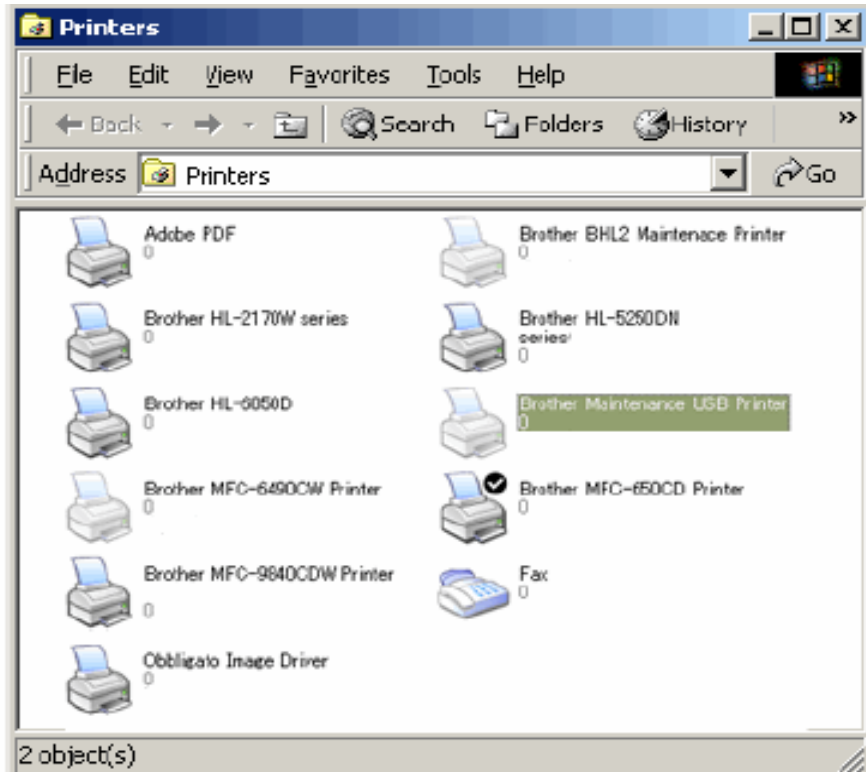
[2] Installing the Brother Maintenance USB Printer driver

To identify machines connected via USB direct interface, the PC requires the corresponding driver for the virtual USB device. If you connect any number of machines to your PC, the same number of virtual USB devices will be automatically configured on your PC. To prevent many virtual USB devices from being configured, use the unique driver installation procedure described below that enables your PC to identify terminals via one single virtual USB device.

NOTES: • Once this installation procedure is carried out for a PC, no more driver/software installation will be required for that PC to identify machines. If the Brother Maintenance USB Printer driver has been already installed to your PC according to this procedure, skip this section.

- **Before proceeding to the procedure given below, make sure that the Brother Maintenance USB Driver is stored in your PC.**

If the Maintenance Driver is installed in your printer's folder, then you do not need to continue the Driver installation. Go to the section for Firmware Installation.

If the Maintenance Driver is not installed in your printer's folder, then continue installing the Maintenance printer Driver below.
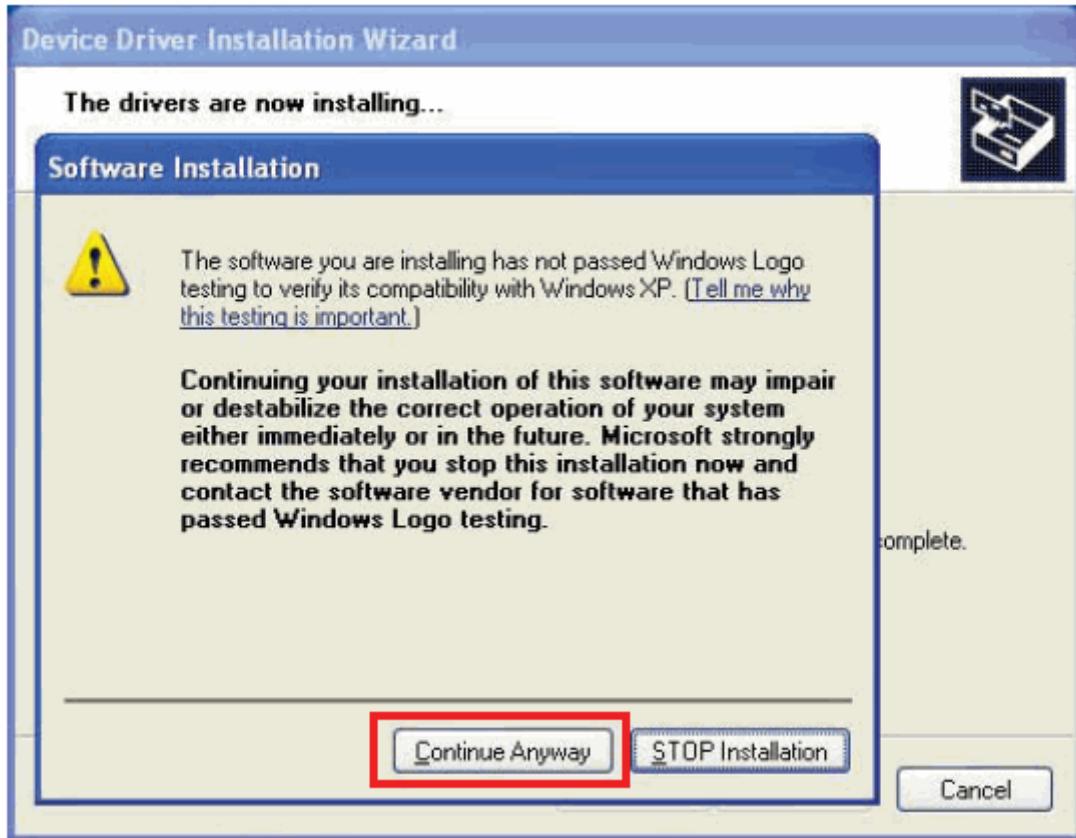
 [3]   Locate the zipped folder called "Brother Maintenance Driver For Windows 2000-XP that was downloaded from brothersupport and
extract all files to the desktop.

[4] Open the yellow folder called Brother Maintenance Printer Driver For Windows 2000-XP that was just extracted and double left click "SETUP.EXE"

[5] The following screen below will appear, indicating the detection of device driver installation wizard. Click "NEXT" to proceed.

[6] When the Alert warning message appears, click "CONTINUE ANYWAY". In some cases it may not appear.

Device Driver Installation Wizard

The drivers are now installing...

Software Installation

⚠ The software you are installing has not passed Windows Logo testing to verify its compatibility with Windows XP. (Tell me why this testing is important.)

Continuing your installation of this software may impair or destabilize the correct operation of your system either immediately or in the future. Microsoft strongly recommends that you stop this installation now and contact the software vendor for software that has passed Windows Logo testing.

[Continue Anyway]   [STOP Installation]

complete.

Cancel

[7] **If the device driver is successfully installed, the following message screen appears. Click "FINISH" to end.**

MACHINE SETUP

[8] Unplug the power cord from the electrical outlet and press and hold the "0" key while plugging the machine back into the power outlet. Once the machine makes a chirp noise, let go of the "0" key and immediately press and hold 1. When you hear another chirp; let go of 1 and press and hold 2. When you hear another chirp; let go of 2 and press and hold 3. Let go of 3. The machine's LCD will display black bars and make a loud chirping noise.

The machine will now be in flash mode. You may need to retry the procedure several times to do it correctly.

In summary: plug in holding 0 key, ---chirp---press 1---chirp--press 2---chirp---- press 3 ---chirping with black boxes= flash mode
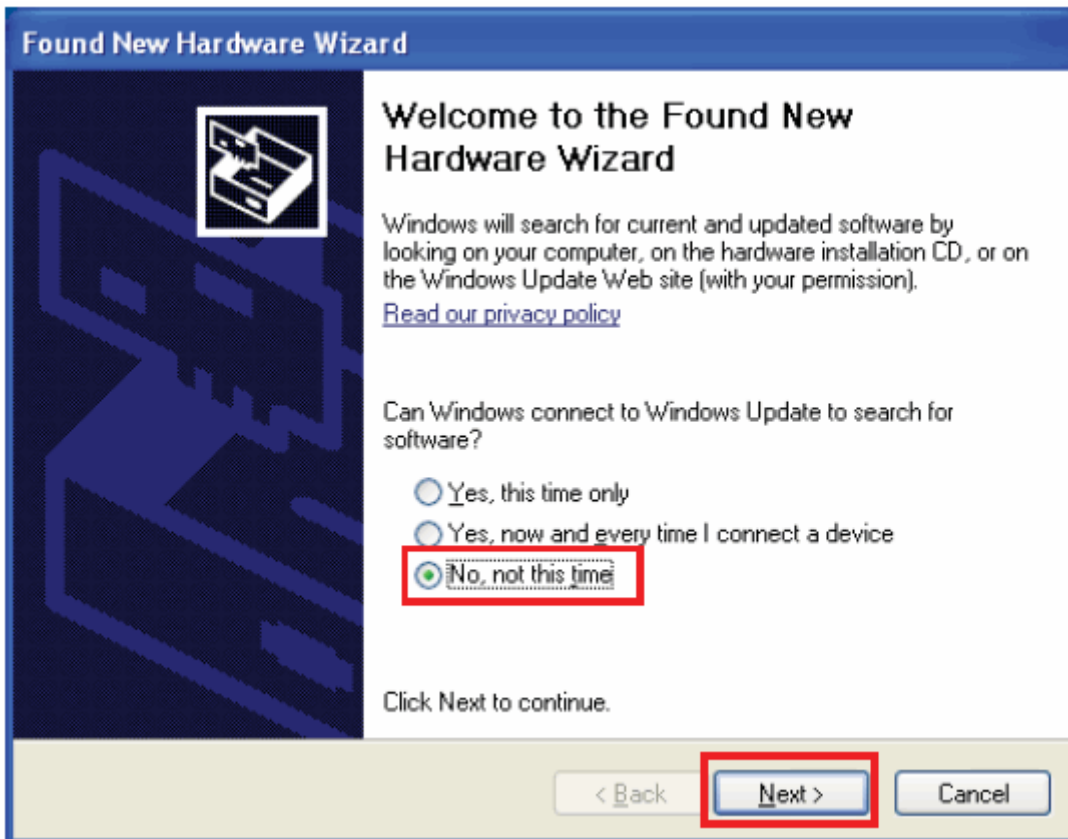
NOTE: For models without a keypad unplug the power cord for the electrical outlet and press and hold the "SCAN" Key while plugging the machine back into the power outlet. Once the machine makes a chirp noise, let go of the "SCAN" key and immediately press and hold "PHOTO CAPTURE" key. When you hear another chirp, let go of the "PHOTO CAPTURE " key and immediately press and hold "BLACK START". When you hear another chirp, let go of the "BLACK START" and press "COLOR START".

The machine will now be in flash mode. You may need to retry the procedure several times to do it correctly.
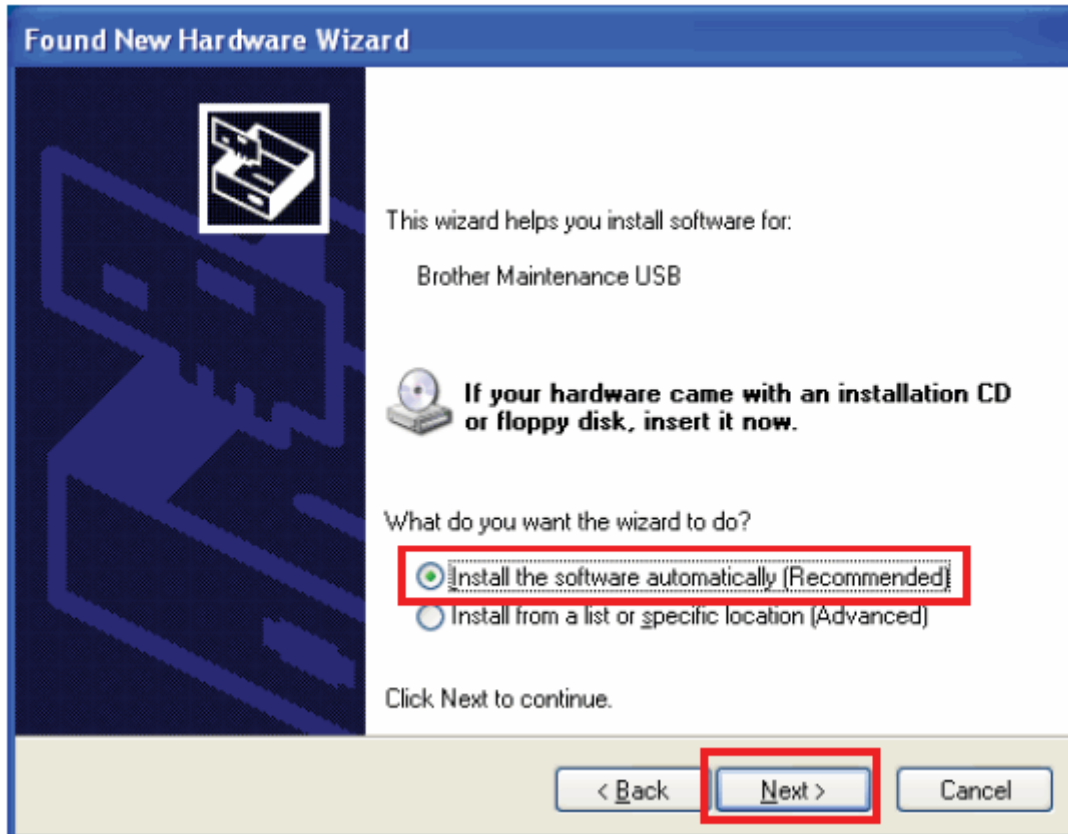
In Summary: Plug in holding SCAN, ---Chirp---Press PHOTO CAPTURE----Chirp----Press BLACK START-----Chirp-----Press COLOR START--- chirping with black boxes= flash mode

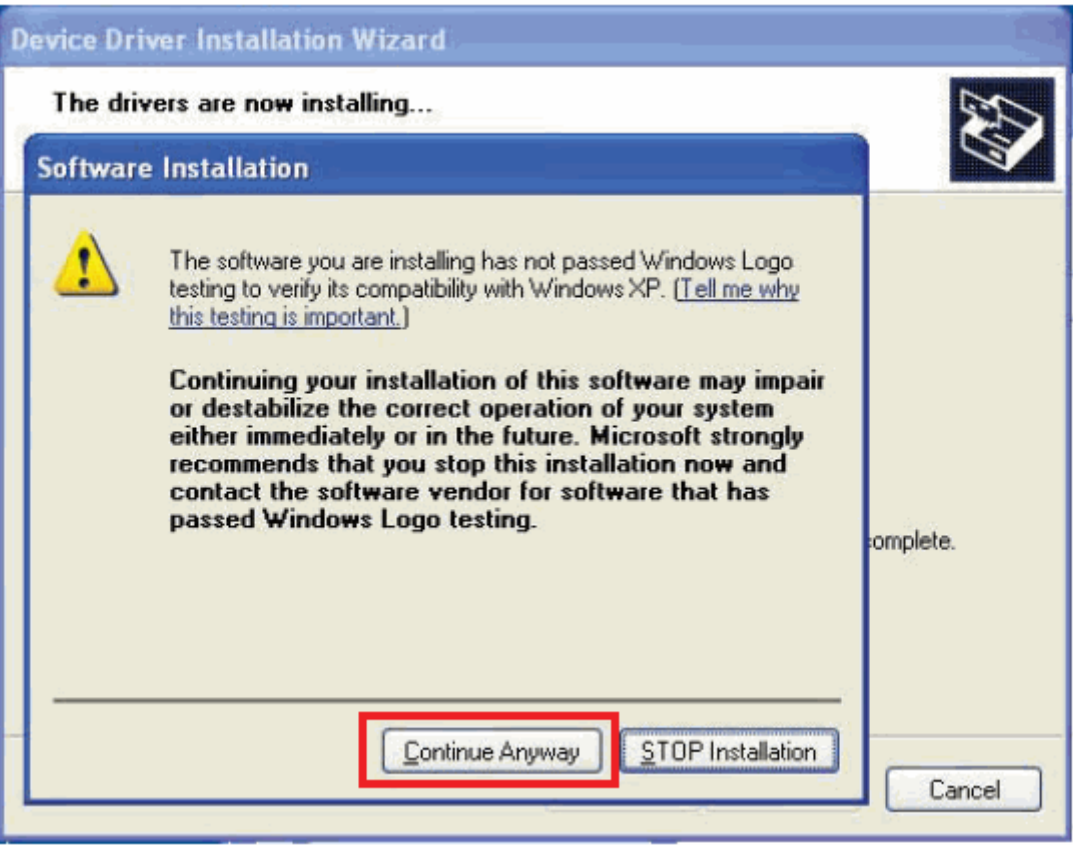**[9] Connect the USB cable from the computer to the printer.**

[10] The following screen appears below, indicating the detection of new hardware device by the system. Select "NO, NOT THIS TIME" and click next
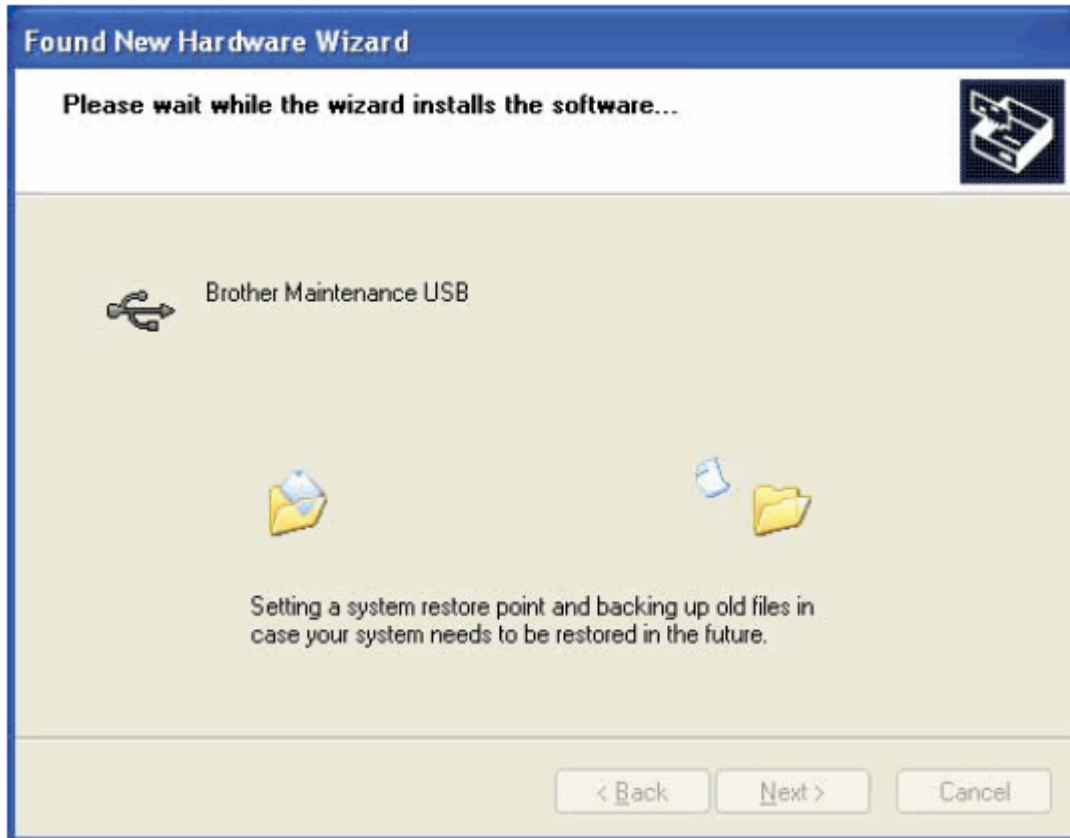

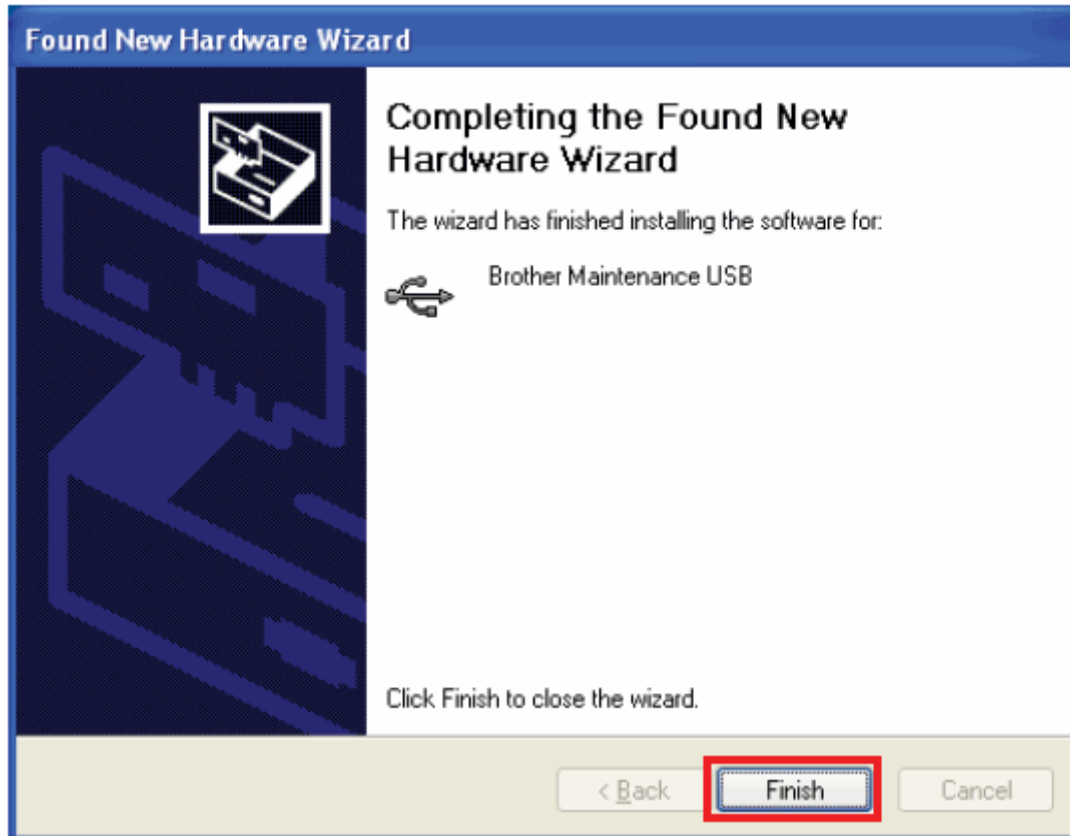**[11] Select "INSTALL THE SOFTWARE AUTOMATICALLY (RECOMMENDED)" and click "NEXT".**

[12] When the Alert warning message appears, click "CONTINUE ANYWAY".

Device Driver Installation Wizard

The drivers are now installing...

Software Installation

⚠ The software you are installing has not passed Windows Logo testing to verify its compatibility with Windows XP. [Tell me why this testing is important.]

Continuing your installation of this software may impair or destabilize the correct operation of your system either immediately or in the future. Microsoft strongly recommends that you stop this installation now and contact the software vendor for software that has passed Windows Logo testing.

[Continue Anyway]　[STOP Installation]

complete.

[Cancel]

[13] If the Brother Maintenance USB Printer Driver is successfully installed, the following message screen will appear below. Click "FINISH" to end.

[14] Repeat steps 10 to 13 up to 5 times to install the remaining maintenance driver features.

NOTE: DO NOT CANCEL THE INSTALLATION. ALL DRIVERS ARE NECESSARY FOR A SUCCESSFUL INSTALLATION.

[15] If you receive any error messages when trying to install the Maintenance Driver, then you have conflicts in your PC. Another computer will need to be used.

Firmware Installation Procedure

MACHINE SETUP

Unplug the power cord from the electrical outlet and press and hold the "0" key while plugging the machine back into the power outlet. Once the machine makes a chirp noise, let go of the "0" key and immediately press and hold 1. When you hear another chirp; let go of 1 and press and hold 2. When you hear another chirp; let go of 2 and press and hold 3. Let go of 3. The machine's LCD will display black bars and make a loud chirping noise.

The machine will now be in flash mode. You may need to retry the procedure several times to do it correctly.
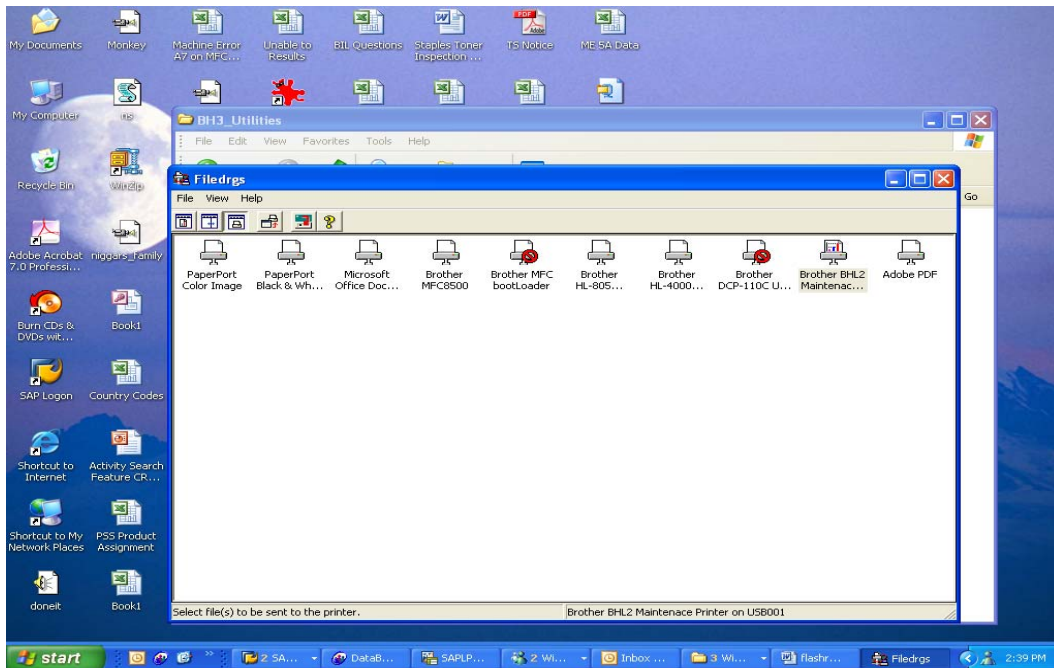
In summary: plug in holding 0 key, ---chirp---press 1---chirp--press 2---chirp---- press 3 ---chirping with black boxes= flash mode

NOTE: For models without a keypad unplug the power cord for the electrical outlet and press and hold the "SCAN" Key while plugging the machine back into the power outlet. Once the machine makes a chirp noise, let go of the "SCAN" key and immediately press and hold "PHOTO CAPTURE" key. When you hear another chirp, let go of the "PHOTO CAPTURE " key and immediately press and hold "BLACK START". When you hear another chirp, let go of the "BLACK START" and press "COLOR START".
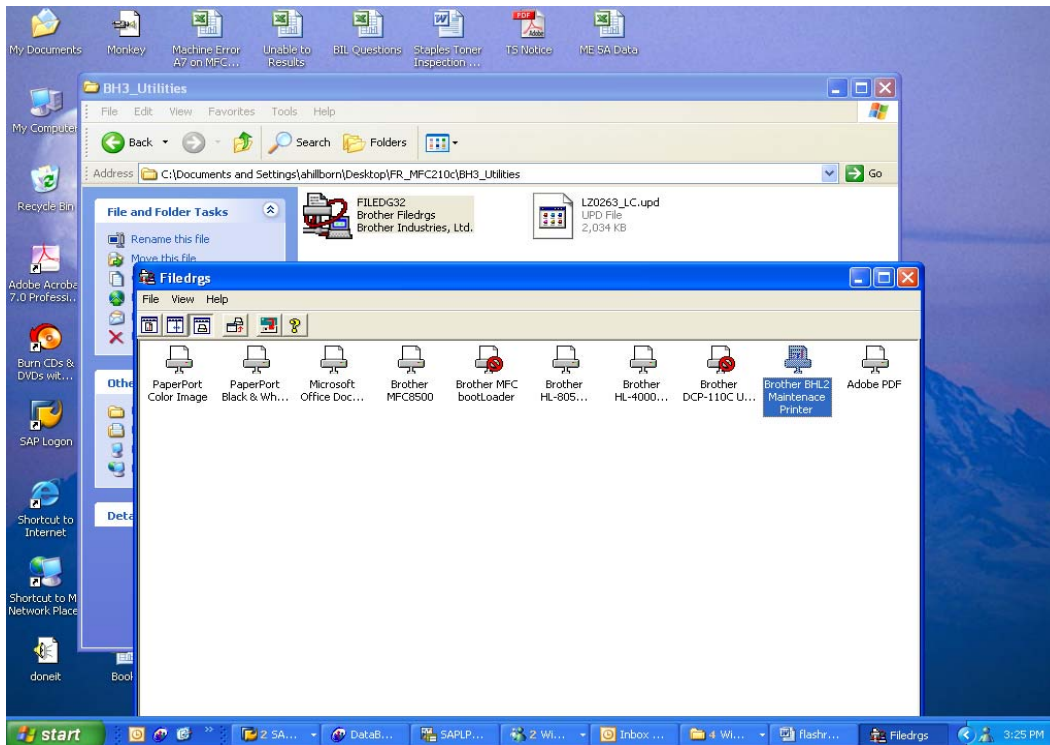
The machine will now be in flash mode. You may need to retry the procedure several times to do it correctly.

In Summary: Plug in holding SCAN, ---Chirp---Press PHOTO CAPTURE----Chirp----Press BLACK START-----Chirp-----Press COLOR START--- chirping with black boxes= flash mode

(1) Double-click on "FILEDG32.exe." The Filedrgs window will appear as shown below.

(2) Leave the Filedrgs window open and left click on the file (ex: BH3_Utilities. Your file will be named different) beneath the Filedrgs window. Arrange the two files to match the picture below. (Once again the actual files and display may not be exact). The object is to have the Maintenance Printer Driver and the Flash ROM file to be seen at the same time.

(3) Left click on the BHL2 Maintenance Printer to highlight it in blue. (If there is a circle on the BHL2 Maintenance Printer Icon ex: Brother DCP-110c in the above picture, you will need to go to the printers folder and switch the use of the printer to online. Then close Filedrgs and reopen to refresh the screen. The screen MUST be refreshed.

(4) Perform the drag and drop as follows: Left click on the Firmware file (ex: LZ0263_LC.upd. Your file may be named different) and hold button down. Drag the Firmware file into the Filedrgs window and place on top of the Brother Maintenance Printer Icon. Let go of the mouse to drop the firmware file onto the BHL2 Maintenance Printer Icon.

NOTE: Once you do the drag and drop, the LCD will display 'Receiving Data' and after about 20 -30 seconds, will turn into 'Program Updating' and the machine will start beeping (for approximately 2 to 5 minutes). Once the firmware is done, the machine will reinitialize and returns to standby mode.

(5) After the ROM is installed, go to Service Update 1280 to follow what needs to be completed after replacing the main pcb.