How to Install Windows XP on a Satellite L40 Non-OS Model

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Introduction

> The manual installation of Windows XP on a modern TOSHIBA notebook making use of the AHCI technology, like the Satellite L40, requires a few extra steps.
> Because Windows XP does not include an AHCI driver, the hard disk drive will not be recognized during the installation unless such a driver is added manually.

> This installation guide leads you through the individual steps necessary to:

> > Install Windows XP with integrated Service Pack 2
> > Manually add the SATA driver during the Windows XP installation
> > Install the TOSHIBA drivers in the correct order

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Preparations

> Before you start the Windows XP installation, make sure you have access to all of the following items:

> › Additional computer running Windows XP with a working internet connection for downloading and preparing the drivers

> › External floppy disk drive (USB FDD)

> › 3.5" floppy disk formatted on a Windows XP computer

> › Genuine Windows XP Setup CD with integrated Service Pack 2 (XP+SP2)

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Floppy Disk Drive Compatibility Issues

› Unfortunately there are some floppy disk drive (FDD) brands being sold at the moment that do not work properly during a Windows XP setup.

› Even though you work through all the steps in this guide correctly, the installation will stop with a "no hard disk drive found" error when using such a drive.

› To avoid installation problems caused by such FDD brands, we recommend using one of the following Toshiba drives:

  › TOSHIBA USB FDD PA3043U-1FDD
  › TOSHIBA USB FDD PA3109U-1FDD
  › TOSHIBA USB FDD PA3109U-2FDD
  › TOSHIBA USB FDD PA3109U-3FDD

(this number can be found on the bottom label of a Toshiba FDD)

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Downloading the Toshiba Drivers

In order to download the drivers for your Satellite L40, you need access to the internet – preferably on a computer running Windows XP.

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Downloading the Drivers – 1: Go to the Download Page
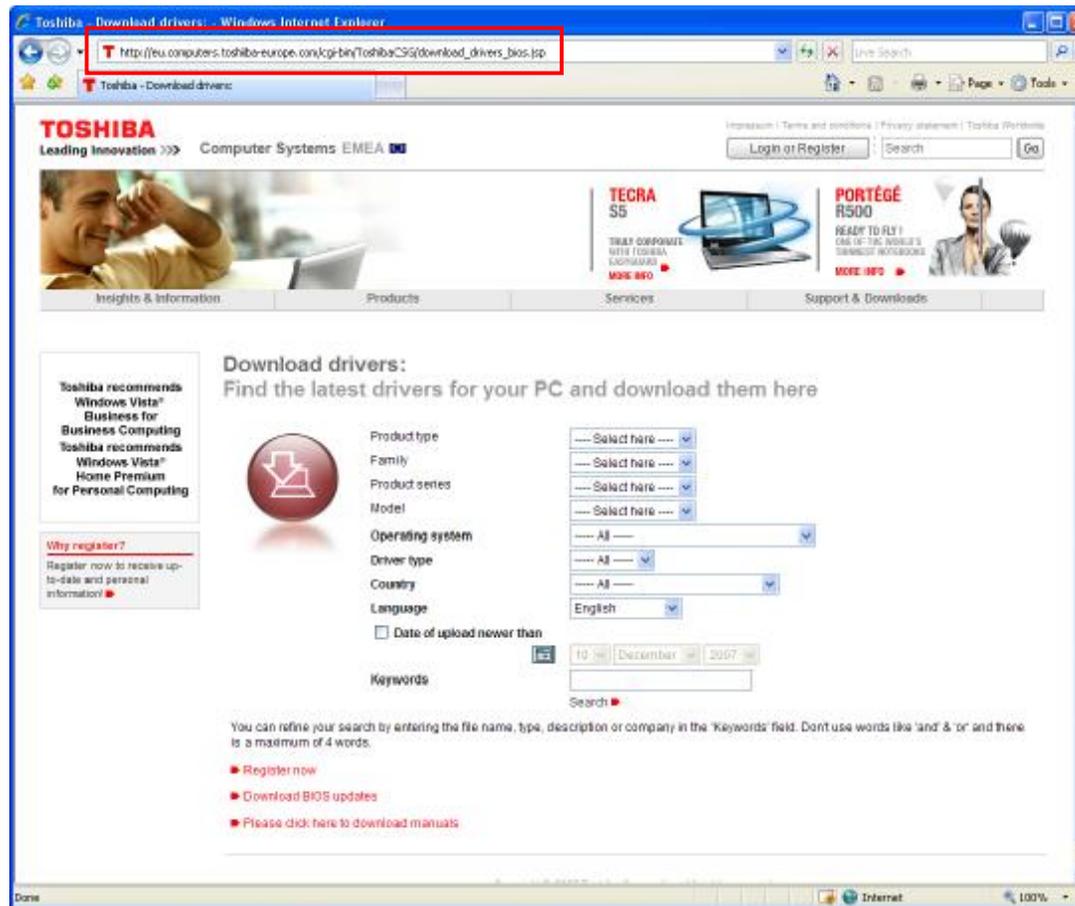
> Go to the TOSHIBA EMEA driver download web page:
> **http://eu.computers.toshiba-europe.com/cgi-bin/ToshibaCSG/download_drivers_bios.jsp**

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Downloading the Drivers – 2: Provide your Model Details
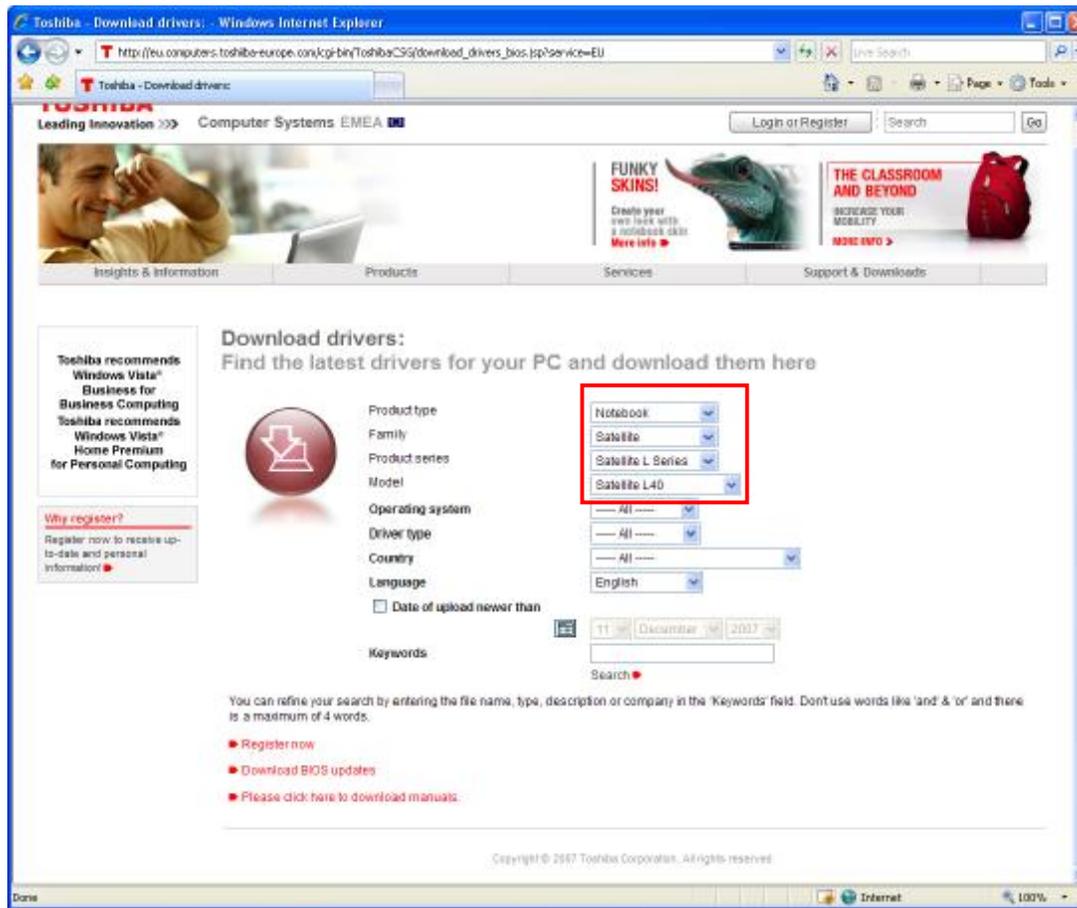
> Select **Product type**, **Family**, **Product series**, and **Model** as shown above.

> Note: Once the **Model** has been specified, the web page reloads.

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Downloading the Drivers – 3: Specify Driver Details
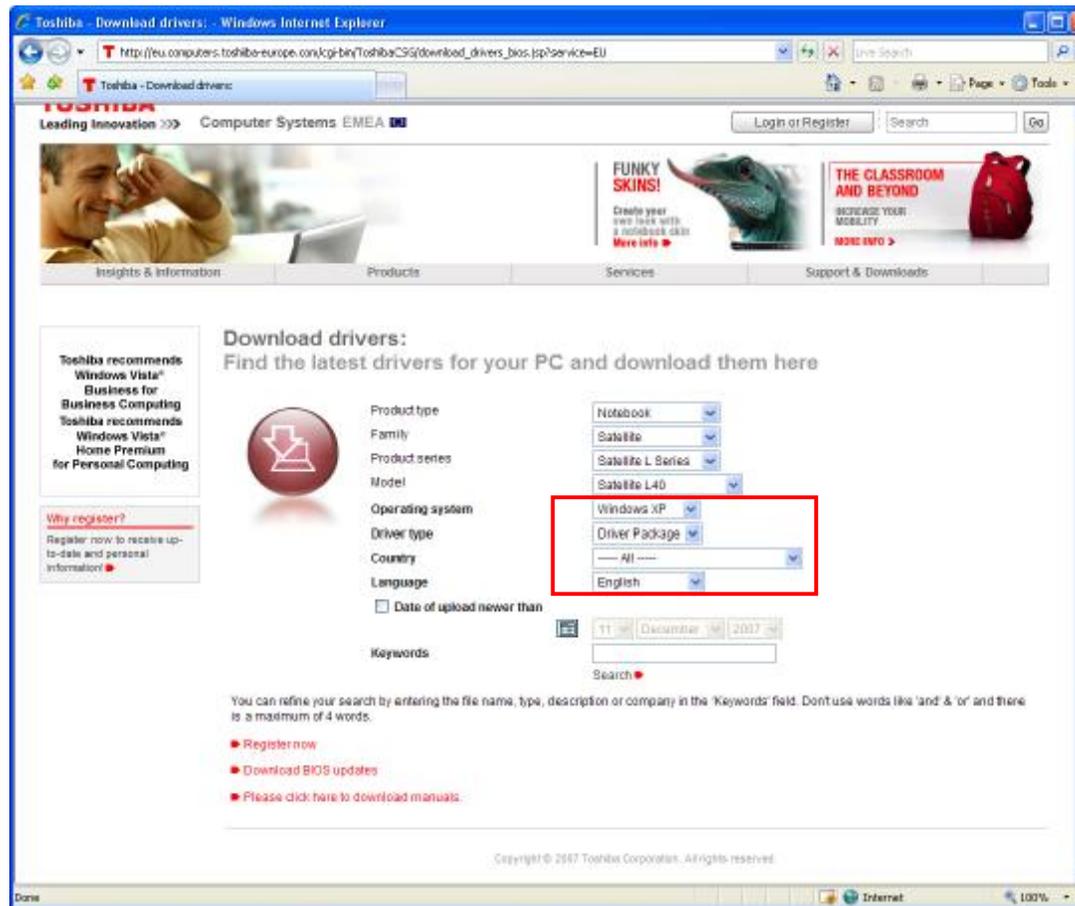
> Select **Operating system**, **Driver type**, **Country** and **Language** as shown above.

> Then click **Search** to start the driver search.

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Downloading the Drivers – 4: Search for Driver Package

> Click the **Driver Package** to start the download.

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Downloading the Drivers – 5: Verify Notebook Model
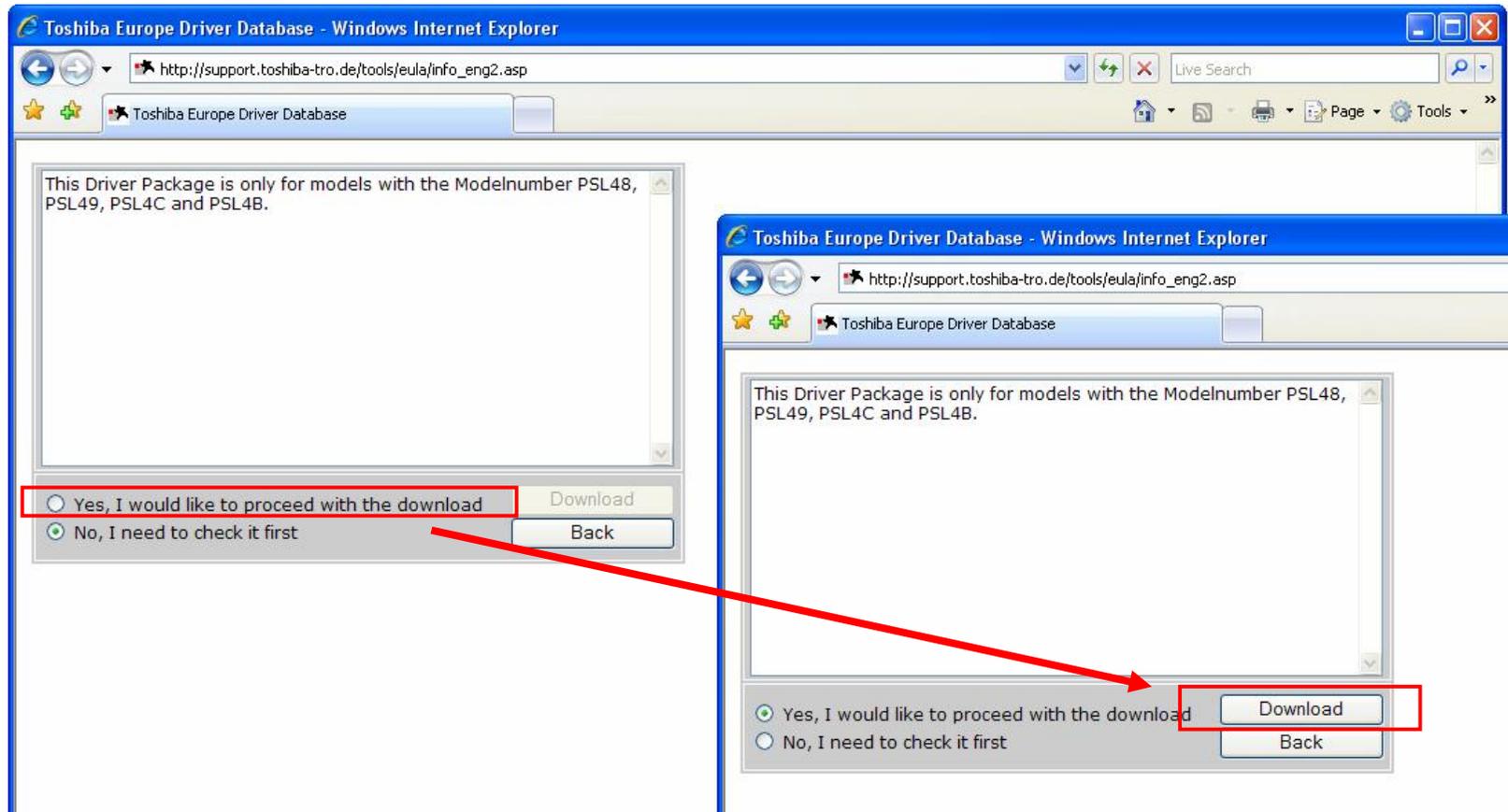
> Confirm that the model number of your computer is listed.

> Click **Yes I would like to proceed with the download**.

> Click the **Download** button.

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Downloading the Drivers – 6: Save the Driver Package

> Download the driver package to your desktop.

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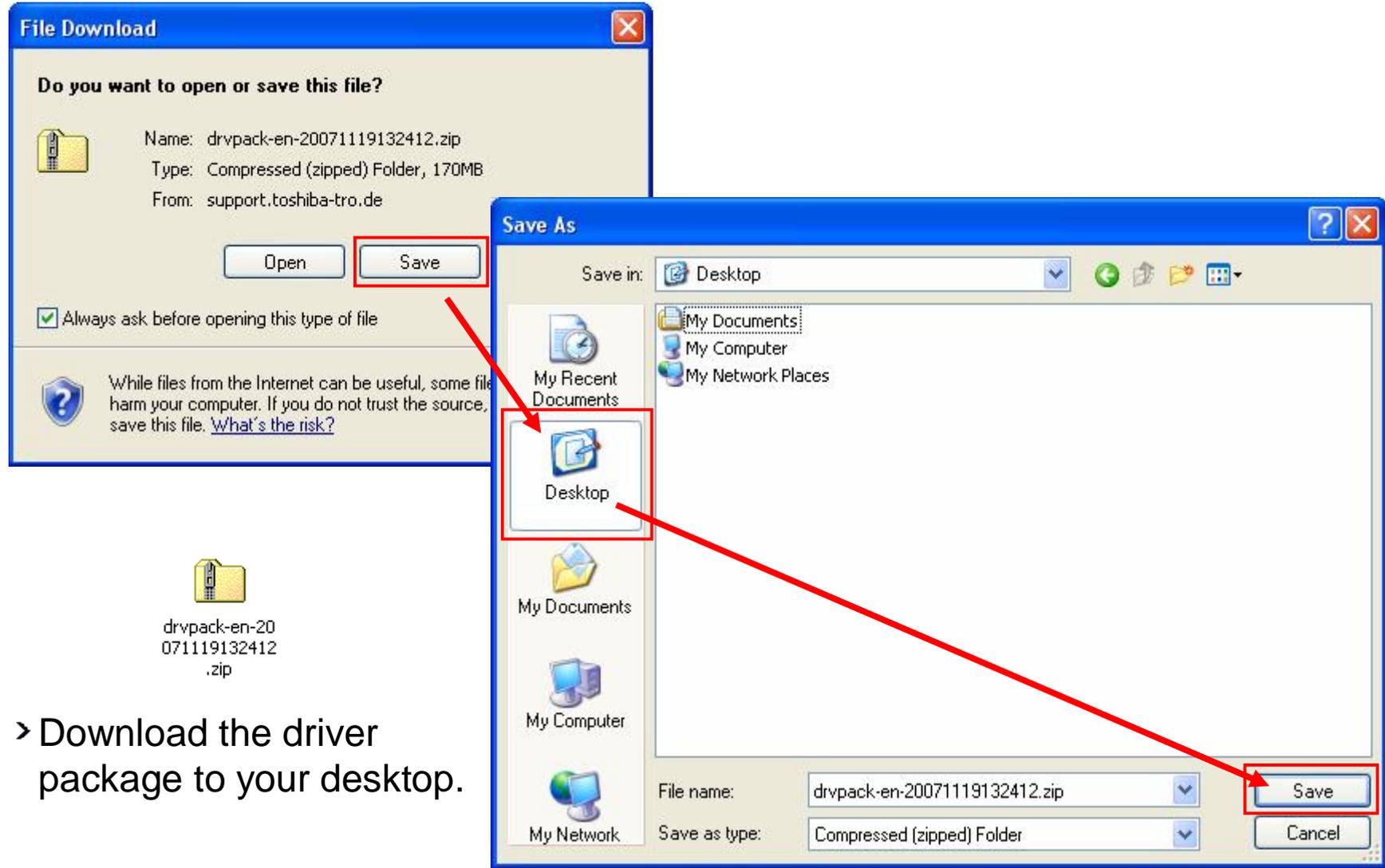
Downloading the Drivers – 7: Unpack Drivers to C:\
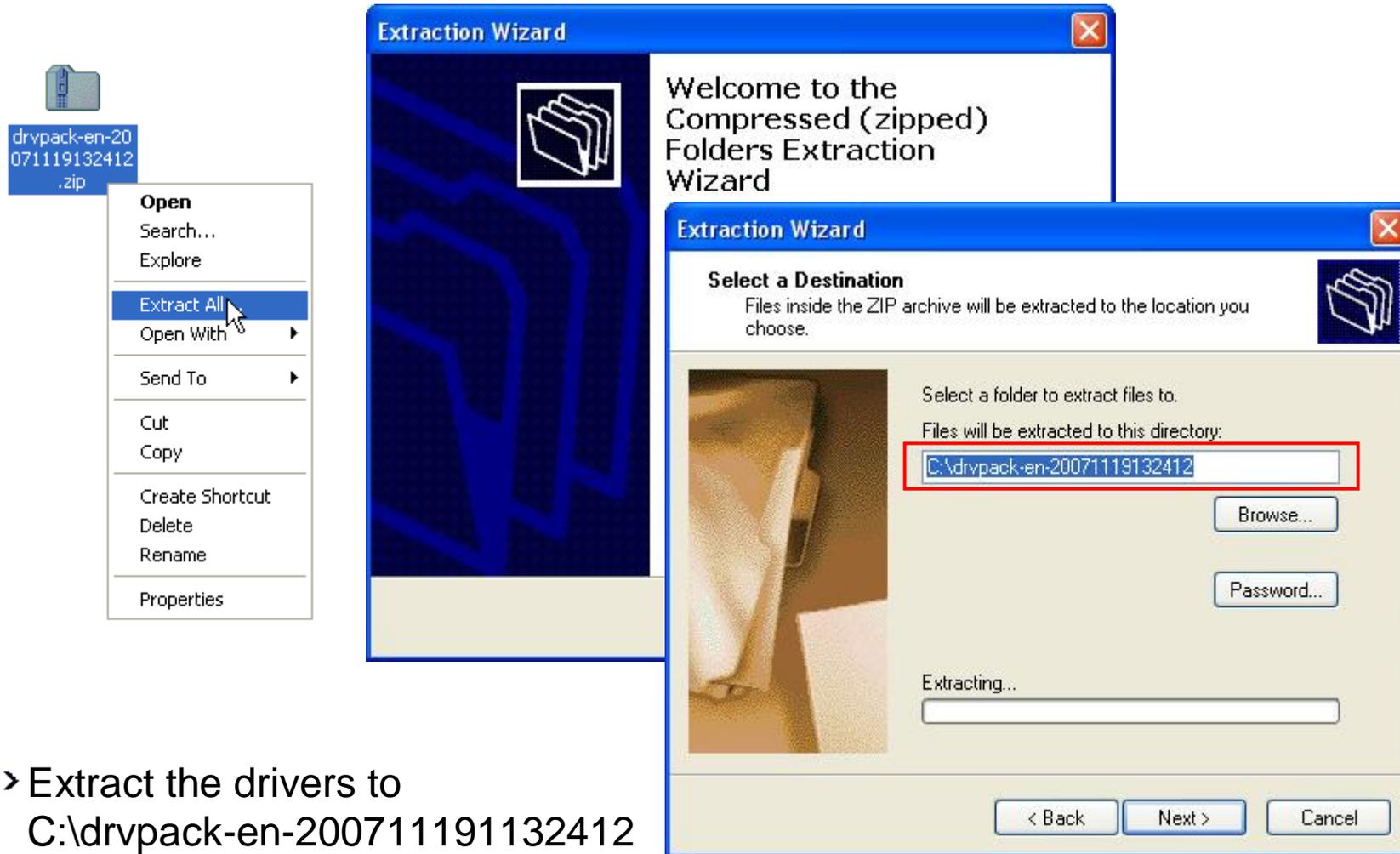
> Extract the drivers to
> C:\drvpack-en-20071119132412

> Do **not** attempt to install drivers from within the Zip file!

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Downloading the Drivers – 7: Driver Directories
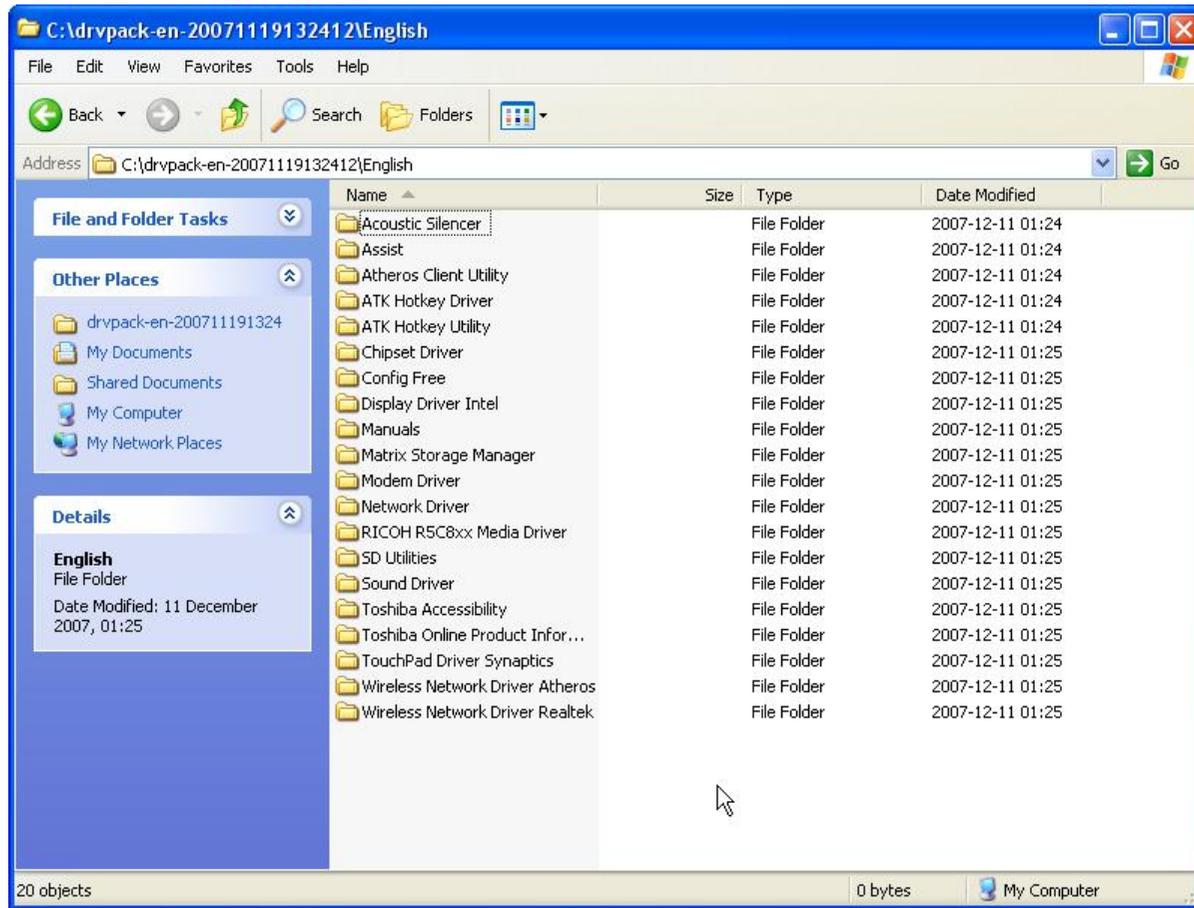
> Note: In the package there are two different Wireless LAN adapter drivers, one Atheros, one Realtek. Make sure to install the correct driver for your model - the Non-OS version of the Satellite L40 is using the RealTek driver.

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Creating the AHCI Driver Floppy Disk

In order to prepare the AHCI driver floppy for your Satellite L40, you need access to PC running a Windows operating system – preferably Windows XP.

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Creating AHCI Driver Disk – 1: Format Floppy Disk

› Connect the USB FDD to the computer running the Windows OS.

› Put the floppy disk into the USB FDD.

› Format the floppy disk.

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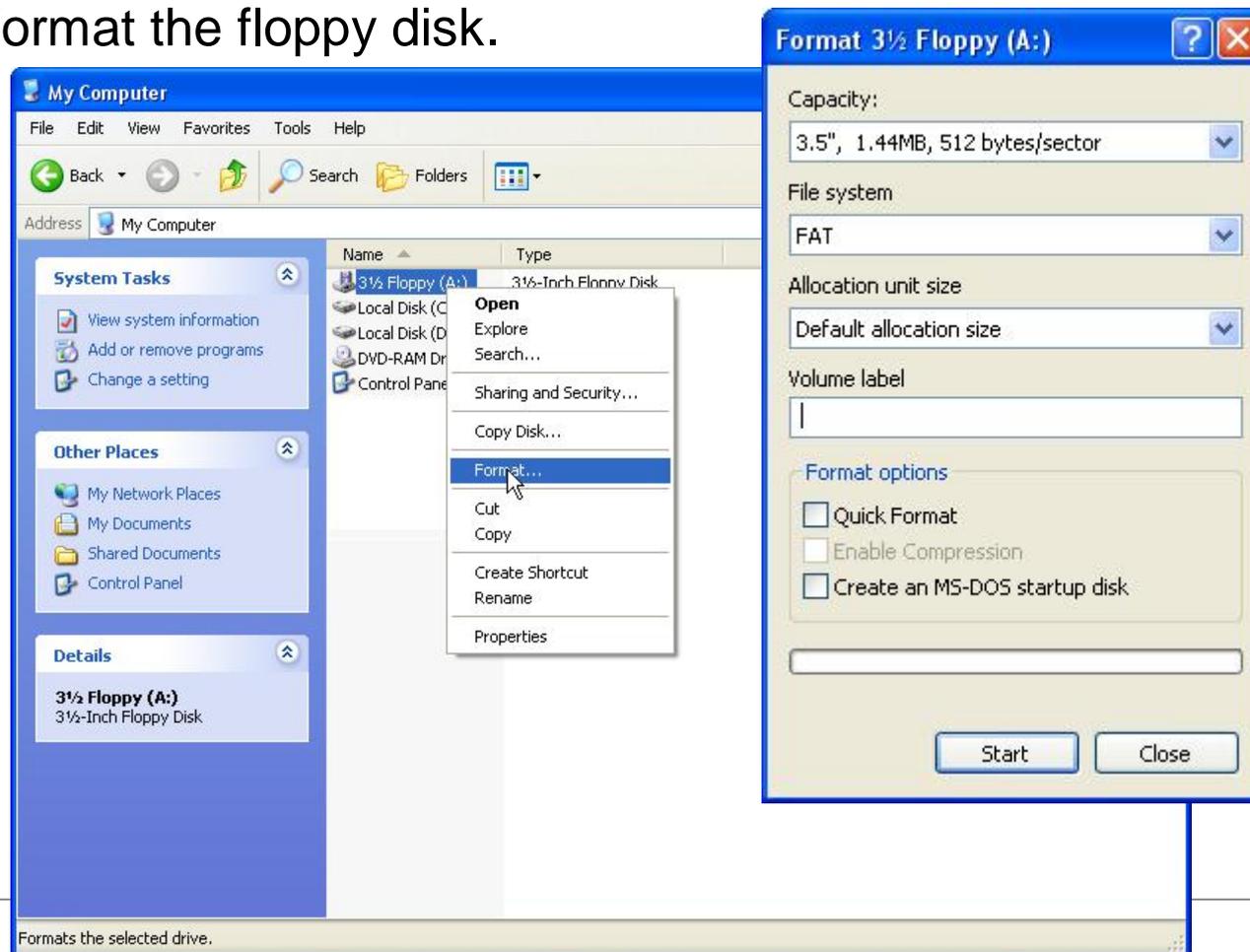
Creating AHCI Driver Disk – 2: Copy Driver Files

Copy the AHCI files from **C:\L40_Driver_Package\English\Matrix Storage Manager\AHCI HDD drivers ICH8M_32bit** to the floppy disk:

- **Iaahci.cat**
- **Iaahci.inf**
- **Iastor.cat**
- **Iastor.inf**
- **Iastor.sys**
- **Txtsetup.oem**

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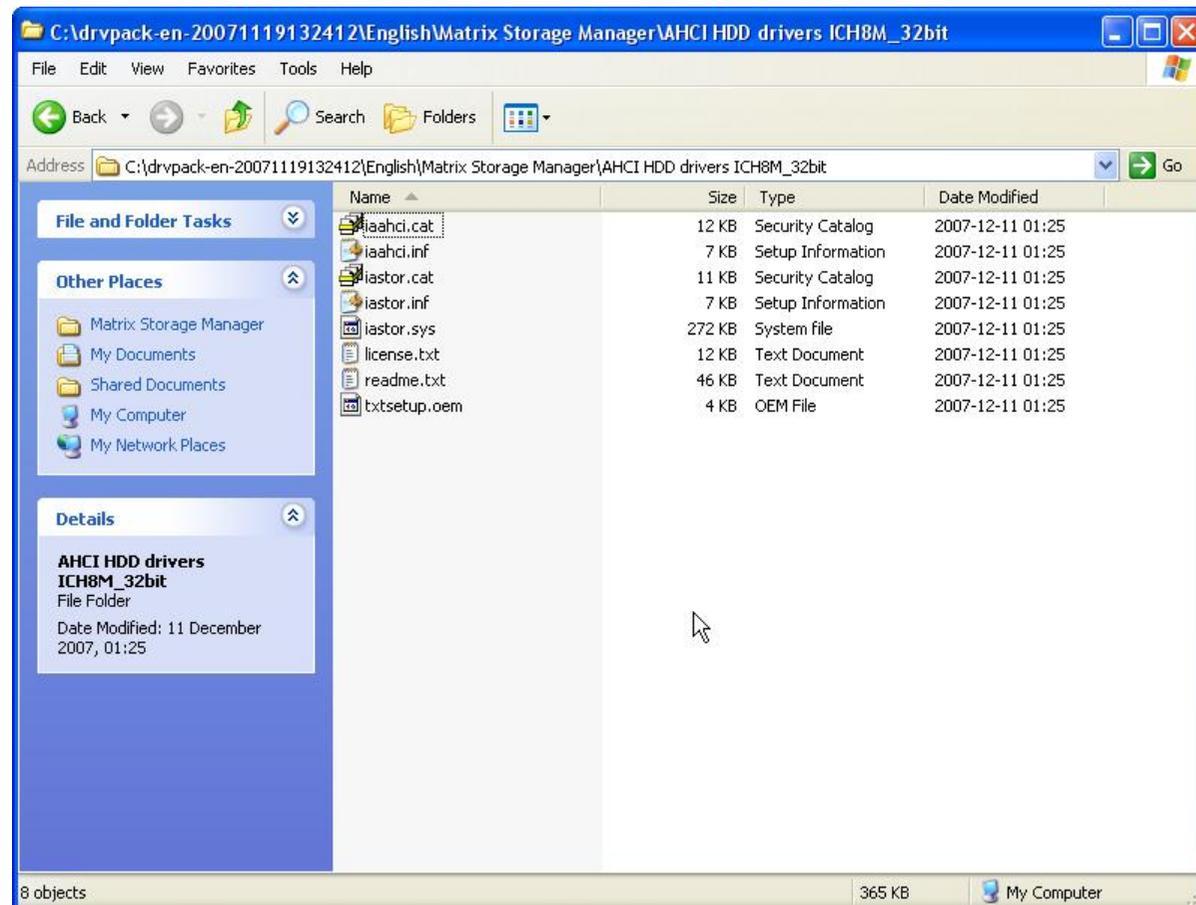
Installing Windows XP

Do not start the Windows XP installation unless you have prepared a AHCI driver floppy yet.

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Installing Windows XP – 1: Preparation

1. Connect the USB FDD to your TOSHIBA Satellite L40.

2. Put the 3.5" floppy disk you prepared into the USB FDD.

3. Insert your genuine Windows XP CD in the DVD drive.

4. Press the power button of your TOSHIBA Satellite L40 to switch the notebook on.

5. Keep the **F12** key pressed until the boot device menu comes up.

6. Select "CD/DVD" for boot device.

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Installing Windows XP – 2: Boot from CD

```
Press any key to boot from CD..._
```

1. In order to boot from the Windows XP installation media press one of the keys on your keyboard.

```
Setup is inspecting your computer's hardware configuration...
```

2. The Windows XP setup is loading now.

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Installing Windows XP – 3: Press F6

> The screen is switching to the blue so-called "Text Mode" part of the Windows XP installation.

Press F6 if you need to install a third party SCSI or RAID driver...
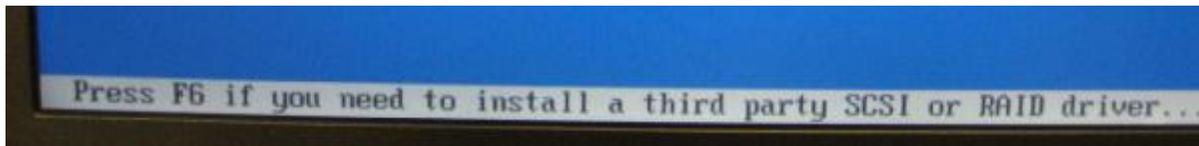
> Shortly after that the prompt for "adding additional mass storage (HDD) drivers" appears at the bottom of the screen.

> Press the **F6** key to add the AHCI driver to your Windows installation.

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Installing Windows XP – 4: Add the AHCI Driver
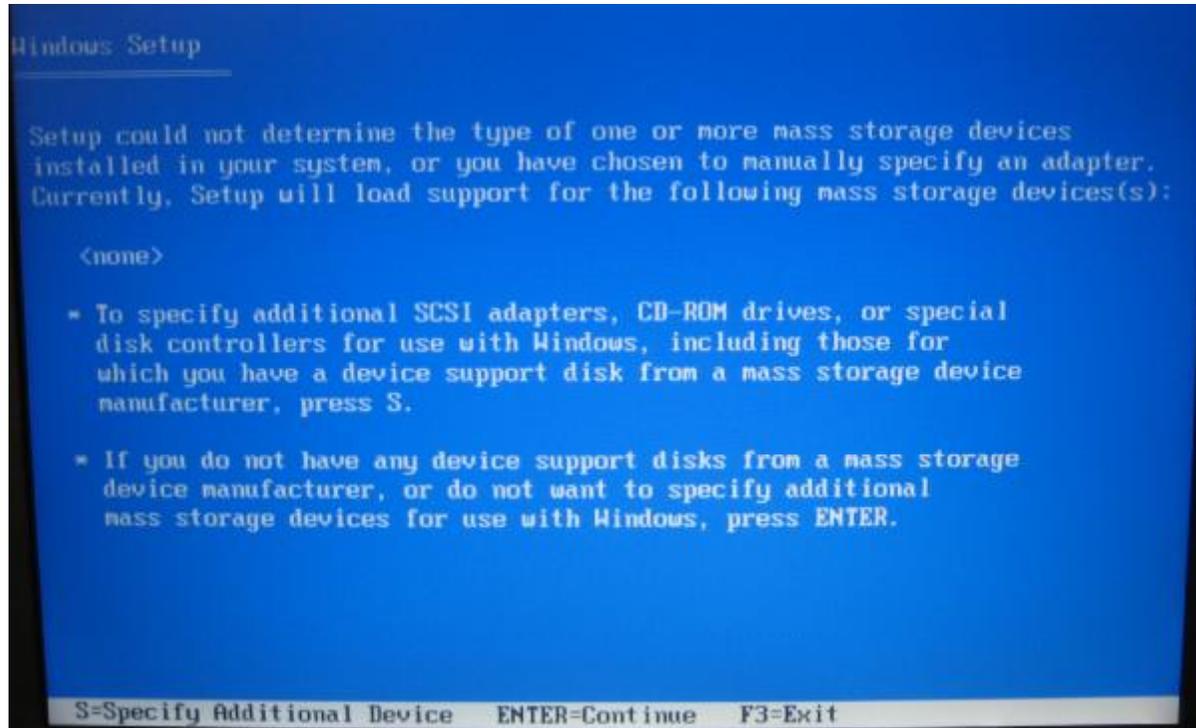
> Press the **S** key to add the AHCI driver from the floppy disk you prepared.

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Installing Windows XP – 5: Select the AHCI Driver
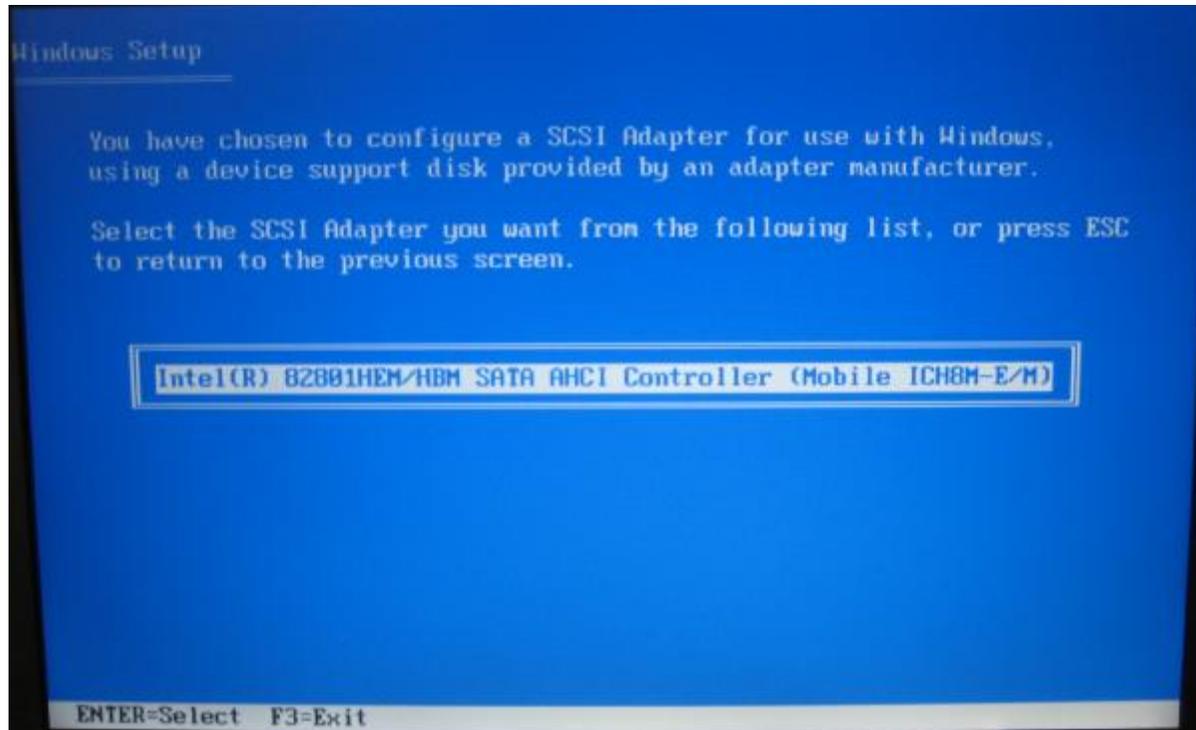
> Select the AHCI driver by pressing the **Enter** key.

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Installing Windows XP – 6: Confirm the AHCI Driver

> Confirm the selected AHCI driver, then press the **Enter** key to continue.

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Installing Windows XP – 7: Windows Setup Welcome Screen

```
Windows XP Professional Setup

    Welcome to Setup.

    This portion of the Setup program prepares Microsoft(R)
    Windows(R) XP to run on your computer.

        •   To set up Windows XP now, press ENTER.

        •   To repair a Windows XP installation using
            Recovery Console, press R.

        •   To quit Setup without installing Windows XP, press F3.


    ENTER=Continue   R=Repair   F3=Quit
```

› You are now ready to install Windows XP on your computer.

› Follow the on-screen instructions and finish your Windows XP installation.

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Installing Windows XP – 8: Windows XP Desktop

› Once Windows XP has booted into the desktop please continue with the final section of this guide, the Toshiba drivers installation.

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Installing the Toshiba Drivers

Please install the drivers exactly in the order given in this section to ensure that all features are working properly.

Use the setup executables as described below. Do not use the hardware wizard or yellow balloon help pop-ups.

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Installing the Toshiba Drivers – 1: Driver Installation Order

> Copy the driver package to **C:** on your freshly installed Satellite L40.

> Run **C:\L40_Driver_Package\English\Chipset Driver\Setup.exe**, follow the instructions and restart your system.

> Run **C:\L40_Driver_Package\English\Disply Driver Intel\Setup.exe**, follow the instructions and restart your system.

> Run **C:\L40_Driver_Package\English\Sound Driver\Setup.exe**, follow the instructions and restart your system.

> Run **C:\L40_Driver_Package\English\Network Driver\Setup.exe**, follow the instructions and restart your system.

> Run **C:\L40_Driver_Package\English\TouchPad Driver Synaptics\ Setup.exe**, follow the instructions and restart your system.

> Run **C:\L40_Driver_Package\English\Wireless Network Driver Realtek\ Setup.exe**, follow the instructions and restart your system.

> Run **C:\L40_Driver_Package\English\RICOH R5C8xx Media Driver\ Setup.exe**, follow the instructions and restart your system.

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Installing the Toshiba Drivers – 2: Driver Installation Order

> Run **C:\L40_Driver_Package\English\Matrix Storage Manager\Setup.exe**, follow the instructions and restart your system.

> Run **C:\L40_Driver_Package\English\Modem Driver\Setup.exe**, follow the instructions and restart your system.

> Run **C:\L40_Driver_Package\English\ATK Hotkey Driver\2ksetup.exe**, follow the instructions and restart your system.

> Run **C:\L40_Driver_Package\English\ATK Hotkey Utility Driver\ Setup.exe**, follow the instructions and restart your system.

> Run **C:\L40_Driver_Package\English\Toshiba Accessibility Driver\ Setup.exe**, follow the instructions and restart your system.

> Run **C:\L40_Driver_Package\English\Assist\Setup.exe**, follow the instructions and restart your system.

> Note: The above installation order is for the Non-OS version of the Satellite L40. If your computer comes with an Atheros Wireless LAN adapter, do NOT install the RealTek WLAN driver. Instead run the **Wireless Network Driver Atheros** setup after the Modem installation and the **Atheros Client Utility** setup after installing the ATK Hotkey drivers.

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Installing the Toshiba Drivers – 3: Device Manager

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