Subject: Broke HD
Posted by mrchance1 on Wed, 13 Jun 2007 22:11:15 GMT
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Well my computer has a 250gb hard drive and when I first got it and installed the drive it had a maximum capacity of 127gb. Anyone know how I could fix this?

Chance

Subject: Re: Broke HD
Posted by CarrierII on Wed, 13 Jun 2007 22:22:42 GMT
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Which OS are you using?

Subject: Re: Broke HD
Posted by mrchance1 on Mon, 18 Jun 2007 23:53:37 GMT
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I'm using XP.

Subject: Re: Broke HD
Posted by mrchance1 on Fri, 22 Jun 2007 17:23:40 GMT
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I'm sorry for being rude like that. I tried reformatting and looking in the BIOS but neither worked.

Subject: Re: Broke HD
Posted by CarrierII on Fri, 22 Jun 2007 20:13:46 GMT
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Interesting, I thought it might be the OS being unable to address more than that amount of space, damn

Err... tell the people you got it from the drive's broken, I can't see another fix.

Subject: Re: Broke HD
Posted by JPNOD on Fri, 27 Jul 2007 09:29:28 GMT

mrchance1 wrote on Wed, 13 June 2007 18:11Well my computer has a 250gb hard drive and when I first got it and installed the drive it had a maximum capacity of 127gb. Anyone know how I could fix this?

Chance

Did you install Windows XP with Windows XP SP2?

Else what motherboard do you have?

Subject: Re: Broke HD
Posted by mrchance1 on Tue, 31 Jul 2007 03:57:08 GMT

We installed a regular copy of Xp Proffesional without SP2.

Subject: Re: Broke HD
Posted by CarrierII on Tue, 31 Jul 2007 07:59:33 GMT

Could be that SP2 lets XP address more hard drive space, let me go see.

Subject: Re: Broke HD
Posted by Cat998 on Tue, 31 Jul 2007 09:45:43 GMT

CarrierII wrote on Tue, 31 July 2007 09:59Could be that SP2 lets XP address more hard drive space, let me go see.

No, his motherboard is out of date.

Subject: Re: Broke HD
Posted by Chuck Norris on Tue, 31 Jul 2007 11:28:49 GMT

CarrierII was on the right track. Windows XP, by default, has 32-bit addressing for Logical Block

(LBA). This limits the maximum HDD space to 127GB, like you're seeing. In SP1 and higher, it's increased to 48-bit. If you're on a bare Windows XP installation, as you said you are, update to SP1 or higher (you should have done this anyway). This should most likely do the trick, so see if it does.

http://support.microsoft.com/?kbid=303013

If not, I'm afraid cat998 is right in that your motherboard's BIOS is too old. Update it if possible. If not, they do make PCI IDE cards that you can get as a workaround.

Subject: Re: Broke HD
Posted by JPNOD on Fri, 03 Aug 2007 07:57:09 GMT
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mrchance1 wrote on Mon, 30 July 2007 23:57We installed a regular copy of Xp Proffesional without SP2.

Install Windows XP SP2. You should be able to obtain the remaining space via Diskmanagement.

Unless you have a PC with less then a Pentium 4/ Atlhon XP I doubt it's the motherboard being not able to have the 250GB.