

# Re: partition recovery

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*Source:*

[http://www.tech-archive.net/Archive/WinXP/microsoft.public.windowsxp.help\\_and\\_support/2006-11/msg01999.htm](http://www.tech-archive.net/Archive/WinXP/microsoft.public.windowsxp.help_and_support/2006-11/msg01999.htm)

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- *From:* John John <[audetweld@xxxxxxxxxxxx](mailto:audetweld@xxxxxxxxxxxx)>
  - *Date:* Wed, 15 Nov 2006 16:16:29 -0400
- 

It says that the partition table on disk 3 is all screwed up. There is or should be a backup of the partition table on the disk, if I remember correctly the MBR backup copy is usually at the end of the disk. Recovery software should be able to read the MBR backup and from it rebuild the partition table. Essentially that is all that fixmbr does, it replaces the current mbr with the backup copy stored on the disk. I highly advise AGAINST trying to restore the mbr by using the fixmbr command when partition corruption and data loss is encountered! Doing so may fix the problem but if it doesn't it may make data recovery much more difficult! Generally speaking this type of recovery is easy with the right software or when performed by knowledgeable recovery technicians.

John

\_steppingstone wrote:

here's what i found with partition magic tools can anyone make sense of it?

Symantec PartitionInfo 8.0 -- Windows NT/2000 Version  
Date Generated: 11/15/06 11:44:49  
Copyright (c)1994-2004, Symantec Corporation  
Permission is granted for this utility to be freely copied so long as it is not modified in any way. All other rights are reserved.

Symantec, makers of Norton PartitionMagic(r), Drive Image(tm), and DriveCopy(tm), can be reached at:  
Voice: 801-437-8900  
Fax: 801-226-8941  
Web site: <http://www.symantec.com/techsupp/>

General System Information:  
Total Physical Memory (bytes): 469,221,376  
Used Physical Memory: (bytes): 368,488,448  
Maximum Page File Size: (bytes): 1,109,643,264  
Current Page File Size: (bytes): 412,311,552

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=====  
Disk Geometry Information for Disk 1: 4865 Cylinders, 255 Heads,  
63 Sectors/Track

System PartSect # Boot BCyl Head Sect FS ECyl Head  
Sect StartSect NumSects

=====  
0 0 80 0 1 1 07 1023 254  
63 63 78,140,097

Info: End C,H,S values were large drive placeholders.

Actual values are:

0 0 80 0 1 1 07 4863 254 63 63  
78140097

=====  
Disk Geometry Information for Disk 2: 38913 Cylinders, 255 Heads,  
63 Sectors/Track

System PartSect # Boot BCyl Head Sect FS ECyl Head  
Sect StartSect NumSects

=====  
Disk Geometry Information for Disk 3: 41345 Cylinders, 240 Heads,  
63 Sectors/Track

System PartSect # Boot BCyl Head Sect FS ECyl Head  
Sect StartSect NumSects

=====  
0 0 63 368 111 45 07 371 101  
51 218,129,5091,701,990,410

Info: Begin C,H,S values were large drive placeholders.

Info: End C,H,S values were large drive placeholders.

Actual values are:

0 0 63 14426 133 11 07 126992 13 60  
2181295091701990410

Warning: Partition boot flag expected to be 0x00 or 0x80,  
not 0x63. This should not be a problem.

Error #105: Partition didn't begin on head boundary.

ucBeginHead expected to be 0 or 1, not 133.

Error #106: Partition didn't begin on head boundary.

ucBeginSector expected to be 1, not 11.

Error #109: Partition ends after end of disk.

ucEndCylinder (126992) must be less than 41345.

Error #108: Partition didn't end on cylinder boundary.

ucEndHead expected to be 239, not 13.

Error #108: Partition didn't end on cylinder boundary.

ucEndSector expected to be 63, not 60.

0 1 73 67 115 32 74 299 114  
44 729,050,177 543,974,724

Info: Begin C,H,S values were large drive placeholders.

Info: End C,H,S values were large drive placeholders.

Actual values are:

0 1 73 48217 145 3 74 84194 184 29 729050177

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543974724

Warning: Partition boot flag expected to be 0x00 or 0x80, not 0x73. This should not be a problem.

Error #107: Partition begins after end of disk.

ucBeginCylinder (48217) must be less than 41345.

Info: Partition didn't begin on head boundary.

ucBeginHead expected to be 0 or 1, not 145.

Info: Partition didn't begin on head boundary.

ucBeginSector expected to be 1, not 3.

Error #109: Partition ends after end of disk.

ucEndCylinder (84194) must be less than 41345.

Info: Partition didn't end on cylinder boundary.

ucEndHead expected to be 239, not 184.

Info: Partition didn't end on cylinder boundary.

ucEndSector expected to be 63, not 29.

0 2 74 114 111 32 65 353 115

52 168,653,938 0

Info: Begin C,H,S values were large drive placeholders.

Info: End C,H,S values were large drive placeholders.

Actual values are:

0 2 74 11154 86 41 65 11154 86 40 168653938

0

Warning: Partition boot flag expected to be 0x00 or 0x80, not 0x74. This should not be a problem.

Info: Partition didn't begin on head boundary.

ucBeginHead expected to be 0 or 1, not 86.

Info: Partition didn't begin on head boundary.

ucBeginSector expected to be 1, not 41.

Info: Partition didn't end on cylinder boundary.

ucEndHead expected to be 239, not 86.

Info: Partition didn't end on cylinder boundary.

ucEndSector expected to be 63, not 40.

Info: This partition unexpectedly contains no sectors.

=====  
Partition Information for Disk 1: 38,162.2 Megabytes  
Volume PartType Status Size MB PartSect # StartSect  
TotalSects

=====  
C: NTFS Pri,Boot 38,154.3 0 0 63  
78,140,097  
Unallocated Pri 7.8 None -- 78,140,160  
16,065

=====  
Partition Information for Disk 2: 305,242.8 Megabytes  
Volume PartType Status Size MB PartSect # StartSect  
TotalSects

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=====  
Unallocated Pri 305,242.8 None ---  
63 625,137,282  
=====

=====  
Partition Information for Disk 3: 305,242.4 Megabytes  
Volume PartType Status Size MB PartSect # StartSect  
TotalSects  
=====

Unallocated Pri 82,350.5 None --- 63  
168,653,875

NetWare Pri,Boot 0.0 0 2 168,653,938  
0

Unallocated Pri 24,149.2 None --- 168,663,600  
49,457,520

QNX, UN\*X Pri,Boot 831,050.0 0 0  
218,129,5091,701,990,410

Info: MBR Partition Table not in sequential order.

Type 74 Pri,Boot 265,612.7 0 1

729,050,177 543,974,724

Error #113: Primary partition starting at 729050177 overlaps previous  
partition.

=====  
Boot Record for drive C: (Drive: 1, Starting sector: 63, Type: NTFS)  
=====

1. Jump: EB 52 90
2. OEM Name: NTFS
3. Bytes per Sector: 512
4. Sectors per Cluster: 8
5. Reserved Sectors: 0
6. Number of FATs: 0
7. Root Dir Entries: 0
8. Total Sectors: 0
9. Media Descriptor: 0xF8
10. Sectors per FAT: 0
11. Sectors per Track: 63 (0x3F)
12. Number of Heads: 255 (0xFF)
13. Hidden Sectors: 63 (0x3F)
14. Total Sectors (>32MB): 0 (0x0)
15. Unused: 0x80008000
16. Total NTFS Sectors: 78140096
17. MFT Start Cluster: 786432
18. MFT Mirror Start Clust: 4883756
19. Clusters per FRS: 246
20. Clusters per Index Blk: 1
21. Serial Number: 0x3ED8A43AD8A3EDF9
22. Checksum: 0 (0x0)
23. Boot Signature: 0xAA55

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On Nov 15, 9:53 am, John John <audetw...@xxxxxxxxxxxx> wrote:

Hmmmm. Best to consult with the various recovery firms out there. You will probably be able to recover your data using one of the many software solutions available out there. Most have a trial version that can show what it might be able to recover. I can't recommend any in particular but most partition recovery utilities in the \$50-\$100 range should be able to fully recover the data. My hunch is that the MBR or boot sector might be corrupt, an easy thing to fix or get around but best not to chance things with valuable data. These might be starting points in your quest:

<http://www.z-a-recovery.com/art-partition-recovery.htm><http://www.uneraser.com/partitionrecovery>

John

\_steppingstone wrote:

no backup

On Nov 15, 9:27 am, John John <audetw...@xxxxxxxxxxxx> wrote:

Did you have a backup?

John

\_steppingstone wrote:

I added a new D hard drive yesterday and reinstalled windows xp sp2. Now the partition seem to be messed up on my F drive. It has 300 gigs

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of data on it. Bios recognizes it but windows explorer doesn't show it. I started norton disk doctor and it's looking for partitions, but it is gonna take a month. disk management in explorer says that the drive is there but unallocated. I had it set as a ntfs drive.

does anyone have any ideas on how to fix this? or do it faster than a month?

thanks