

How to clean up bad sectors on a hard drive using MHDD in Hiren's Boot CD, a trick to clean up bad sectors on a hard drive.

Hiren's Boot CD allows users to fix bad sectors on their hard drives by removing them. You can use this feature through the MHDD tool. So, how do you remove bad sectors from a hard drive using MHDD in Hiren's Boot CD? Let's find out in the article below from TipsMake.

When encountering problems like a bad hard drive, you might use HDD Regenerator to fix it, or in more severe cases, Norton PartitionMagic to remove the bad sectors. But what if these tools are no longer effective in more serious cases? TipsMake will now guide you on how to use the MHDD function in Hiren's Boot CD to remove **bad sectors from your hard drive** .



How to repair bad sectors on an MHDD hard drive using Hiren's Boot

Guide to Cleaning Bad Drives with MHDD in Hiren's Boot CD

1. Preparation.

First, to proceed with the steps to repair bad sectors on a hard drive, you need to prepare the following:

- 1 USB drive with Hiren's Boot CD.

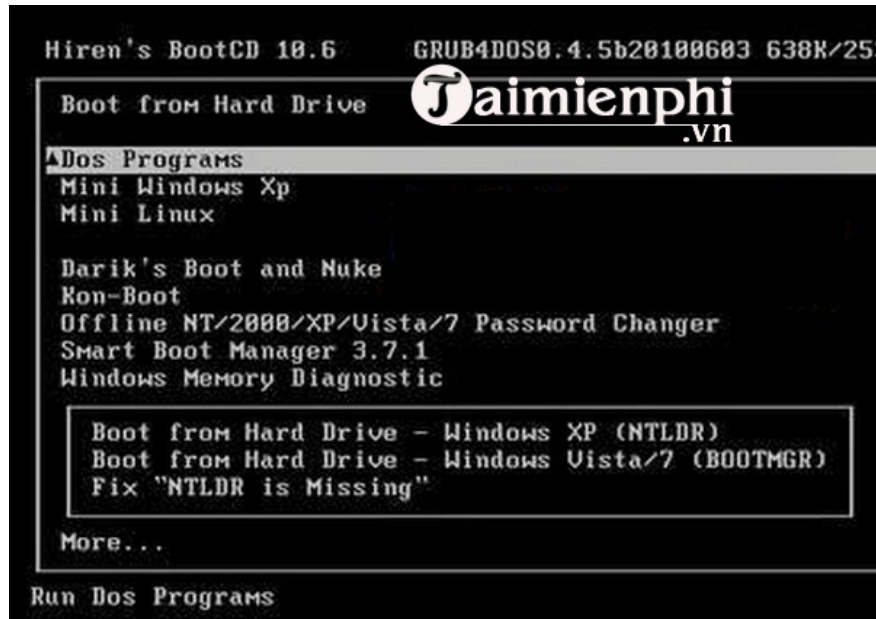
For instructions on creating a Hiren's Bootable USB drive, please refer to this article.

Or a copy of the latest Hiren's Boot CD.

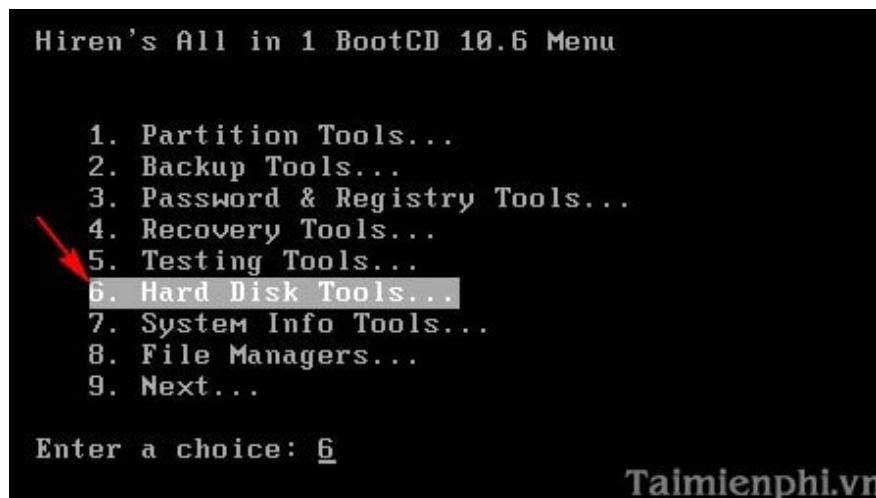
2. Implementation process.

Step 1 : Insert the Hiren's Boot CD or USB drive into your computer, restart your computer, then press the function key to select the boot mode of the CD/DVD.

Continue by selecting **Dos Programs** .



In the Hiren's Boot main menu, select **Hard Disk Tools**.



Step 2: Select **More** until you find **the MHDD 4.6** function in Hiren's Boot. Usually, you need to select **More** twice , depending on the version you are using.

```
Hiren's All in 1 BootCD 10.6 Menu

1. HDAT2 4.53 (Test/Repair Bad Sectors)
2. UiVard 1.0 (Surface)
3. Hard Disk Sentinel 1.00.5 (Health/Temperature info)
4. SMARTUDM - HDD S.M.A.R.T. Viewer
5. MHDD 4.6
6. Victoria (3.3.3-eng and 3.5.2-rus)
7. HDD Erase 4.0
8. More...
9. ...Back

Enter a choice: 8
```

Step 3: The program will appear; select the drive you want to check --> press Enter --> press **F4** twice to start the scan.

```
00 ERR INDX CORR DREQ DRSC WRPT DRDY BUSY          AMNF T0NF ABRT IDNF UNCR BBK 00
[ Drive parameters - PRESS F2 to DETECT ] [ Current position ]

MHDD PCI Scan module v2.3
PCI BUS ver: 2.16
PCI Last Bus: 34

Created directory : "CFG"
Autodetect disabled. To enable see MHDD.CFG

PORT 1F0h (Primary controller)
1. [ VMware Virtual IDE Hard Drive 00000001 00000...10,485,760 ]

PORT 170h (Secondary controller)
3. [ ]

PORT 100h (PC-3000 board)
5. [ ]

-----
WARNING: SLAVE DEVICES NOT SUPPORTED
Enter HDD number [3]: 1_
! MHDD 4.6 (c) Dmitry Postrigan ! FREEMWARE
```

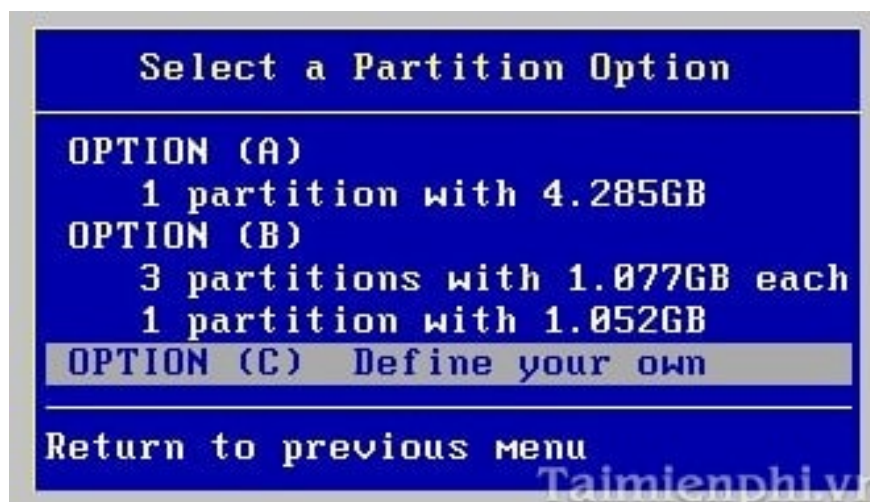
Step 4: The bottom section shows the percentage of the drive that has been scanned. The percentage of bad sectors is highlighted in dark red with a red **X**. Note that when cutting, you should add about 1-2% of the area you want to cut for greater safety.

```
AUG [ 14471 kb/s ]
ACT [ 13339 kb/s ]
<3ms :
<10ms :
<50ms :
<150ms :
<500ms :
>500ms :
? TIME :
x UNC :
! ABRT :
s IDNF :
A AMNF :
O TONF Taimienphi.vn
* BBK :
[ 2.1% ] [ 2.1% ]
```

To calculate the number of bad sectors, divide the total hard drive capacity by 100 and multiply by the percentage recovered during the scan to get the amount that needs to be removed.

Step 5: You must use DiskManager 9.57 in Hiren's Boot to remove bad sectors. Disk Manager (DM) is used to partition the hard drive to run the program . You can find it in **DOS on the Hiren's Boot CD**.

When you run it, a window will appear. Select **Advanced Options** --> select **Yes**. **If the Select a Partitions Option** window appears , select the bottom option, **Define your own** , and begin the disk partitioning process.



Step 6: The **Disk Manager** program will ask you to enter the size of the **Primary** partition ; the rest will be the **Extended** partition . Use Tab to switch to the **Extended** partition , then press the N key to **subdivide this partition into Logical** partitions .



Step 7 : To remove bad sectors, select the **logical** partitions containing the bad sectors, click **Delete** to disable them, and **Save and Continue** to apply the changes to the hard drive partition.

Above are all the detailed steps on how to fix bad sectors on a hard drive using MHDD in Hiren's Boot CD. You can try and apply these steps to fix bad sectors on your hard drive when you encounter this problem.

Alternatively, you can also fix bad sectors on your hard drive using HDD Regenerator – one of the best hard drive error resolution software programs.

You finished reading the article "**How to clean up bad sectors on a hard drive using MHDD in Hiren's Boot CD, a trick to clean up bad sectors on a hard drive.**" edited by the [TipsMake](#) team. We hope this article has provided you with many useful tech tips and tricks. You can search for similar articles on tips and guides. Thank you for reading and for following us regularly.