

# Ways to fix computer laptop failures

Laptops, Windows computers do not boot, boot errors, hanging screens when booting Windows are some errors you may encounter while using the computer. These are ways that can help you fix Windows boot errors.

**If on a good day, your laptop won't boot, don't rush to rescue computer repair centers right away, but try some simple laptop processing steps later. Who knows, with just a few small checks below, you can fix the problem of a computer that doesn't start up without spending a cent. These ways can be used to fix errors that cannot start the computer on Windows 7, Windows 8 / 8.1 and Windows 10.**

## Fix computer laptop failure to boot

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### 1. Check the source - charging cord

This is the case most often when the laptop does not start, the reason may be simply that the plug is loose, not properly charging the machine, the power line incident or charging the laptop is broken .



### Steps to check:

1. Check the power: try plugging another electrical device into this outlet, or plug it into another outlet in the house.
2. Check the charger: please check if the charging cord is using the standard charger of the laptop. There are many types of chargers that can fit into different laptops, but if its voltage is insufficient or inappropriate, it may cause the problem.
3. It is also possible to charge a damaged battery because you carry it too much. Take a close look at the entire charging cord, if the cord is exposed and expose the baby wires out, it's time for your laptop to need a new charger.

## 2. Check the screen

If you start the computer without a bright screen, but still hear the sound of the hard drive or radiator fan, the problem may be on the screen. Try to bring your laptop into a dark place and see if the screen has a bright spot or a picture (*very blurry, you need to observe it carefully*).

If you still see the image on the screen, it is likely that the screen's high voltage is broken. High-voltage (*inverter*) on a laptop is responsible for turning DC current of the battery or charging into alternating current for the monitor. Replacing high pressure is not so complicated if you have a screwdriver available, but it is essential that you buy the right type of high pressure laptop and because its price is relatively expensive, you need to be sure. If you don't want to lose money unfairly.



Another case is that the laptop still boots but no images appear on the screen, most likely the LCD screen is faulty. Just like high pressure, you can replace it yourself, but if your laptop has been used for a long time, you should consider buying another replacement, because the cost of buying a new monitor is sometimes equal to the value of this laptop if sold.

### **3. Remove the USB or memory card from the device**

If you have checked the two objects and still have not resolved the problem, it is very likely that the Windows boot process is interrupted by a USB or memory card with the Windows installer still plugged in and the computer is trying to boot from these devices. In that case, you just need to unplug the USB or memory card and restart the computer.

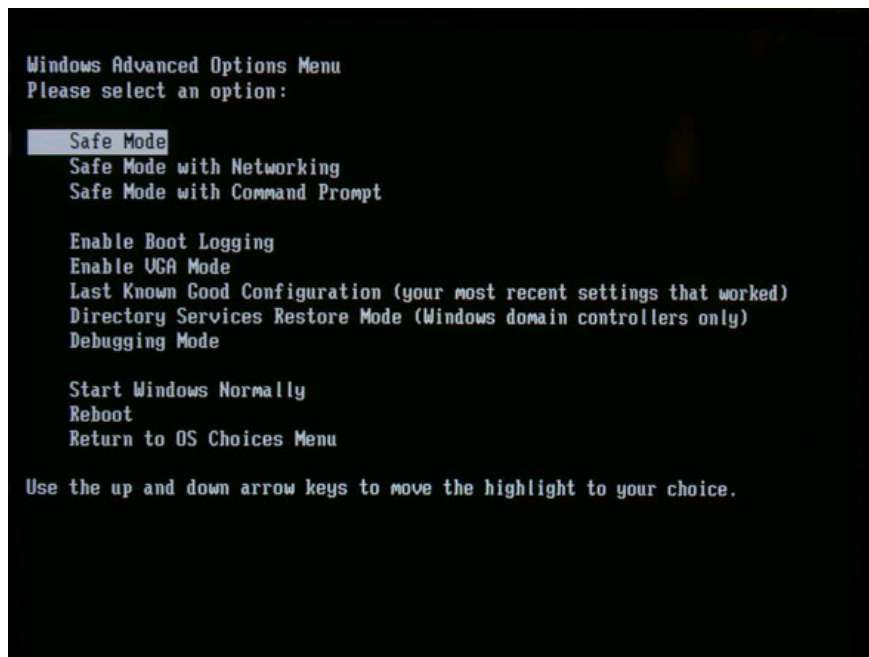


### **4. Use the rescue disk**

The computer does not start up because the virus has "eaten" the system components. There are 2 ways to solve this problem: reinstall the computer or fix the error with a rescue disk such as *Hiren's Boot CD*, *WinBuilder*, *Bart's PE Builder*, *miniPE* . If the first way will lose all numbers old software and settings on the computer, then the second way can bring the system to a stable state after scanning the virus in the *Preinstalled Environment* DOS or PE environment and recover the system components being damaged by the virus .

## 5. Boot the computer in Safe mode

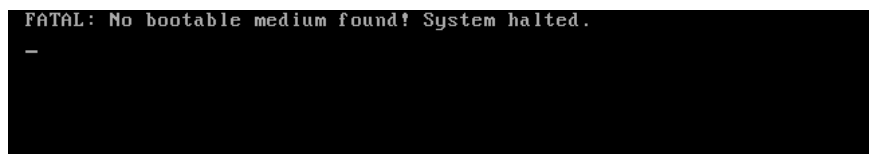
Even if the machine cannot boot normally into Windows, you can still access Windows using *Safe Mode* . Press **F8** after booting, in the menu that appears you choose **Safe Mode** .



Laptops cannot boot because of conflicts between software or *drivers*. Therefore, after you enter *Safe Mode* , please remove the newly installed programs or updated drivers one after another and restart the computer. If lucky, the machine will boot normally without the newly uninstalled programs and drivers.

## 6. The computer powers up but shows an error message

If the computer is powered up, but the black screen with "no boot device" or "disk error" content, the computer cannot boot from the hard drive that is installing Windows. Go to BIOS or UEFI and check the boot order settings, make sure you are setting boot from the correct hard drive.

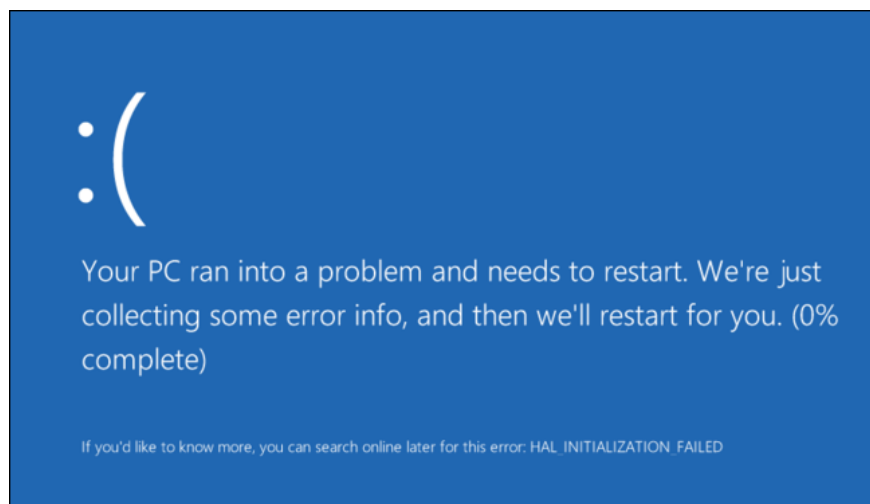


If the hard drive does not appear in the list, the hard drive may fail and cannot be booted.

If everything in the BIOS is fine, you may have to insert the Windows installation disc or recovery disk to run Startup Repair. This will help Windows reboot. You don't need to try to run fixmbr or fixboot because Startup Repair will automatically run them for you. If certain data has overwritten the boot sector of the drive, Startup Repair will repair the boot sector. If the recovery tool is not loaded or cannot be found on the drive, you may be experiencing a hardware problem. Be sure to check the boot order of the BIOS or UEFI first if the recovery tool is not loaded.

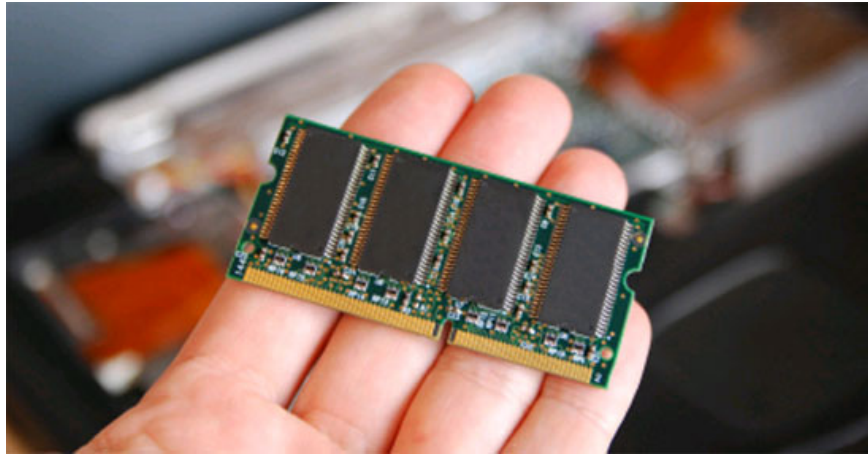
## 7. Show the blue error screen

If Windows has a problem or this blue screen every time you start, you may have a hardware or software problem. For example, malware or driver errors may be loading at startup and cause problems or your computer hardware may be corrupted somewhere. Refer to this article for a way to fix details with blue screen error: [Instructions to fix blue screen error on the computer](#)



## 8. The cause lies in the hardware

An incompatible RAM can also cause a laptop to not boot. If you have just replaced a new RAM and cannot boot, remove it and return the old RAM to the computer. If the problem is fixed, congratulations, but surely you have to buy another RAM if you still intend to upgrade your computer's RAM.



If the problem is not in RAM, then the hard drive is the 'culprit'. Go to your phone to see if the hard drive is working, or if it works, will the sound be 'quiet'? A sign that is very noticeable when the hard drive is problematic is that it constantly generates strange and regular noises. It's time to think about replacing the hard drive, but what about the data you have accumulated for a long time on the old hard drive?

Before rushing to bring it to expensive data rescue services, you can try out the plan that people in each other's ear: put it in the freezer for a few hours (of course, carefully wrap it to Avoid moisture ), then remove and reinstall and restart the machine. If it works again, don't be happy, it can only "recover" temporarily and continue to be uneasy at the next launch, so transfer all the necessary data to a safe and prepared place. In order to buy a new hard drive, you need to use it sooner or later.

## 9. Disconnect from the docking station

If your laptop is connected to a docking station (including a power adapter for a laptop), disconnect and try to turn on the laptop to make sure Sure docking station is not the cause of the problem.



## 10. Remove and reinsert the battery

**Note :** Many new laptops (especially MacBooks) cannot disassemble the battery.

Laptops can also be in a state of preventing it from starting properly. Try disconnecting the power cable and then removing the battery from the laptop. Allow both the battery and the power cable to disconnect from the laptop for at least a minute. After about a minute, reinsert the battery into the laptop, connect the power cable and try turning on your computer again.

All laptops are different, but removing the battery has a lot of similarities. However, all new MacBooks come from Apple using built-in batteries and users often cannot remove them themselves.

If you are using a Windows or Linux laptop, removing the laptop battery will be detailed in the section below. If you are replacing a laptop battery, you can install a new battery after removing the old battery.

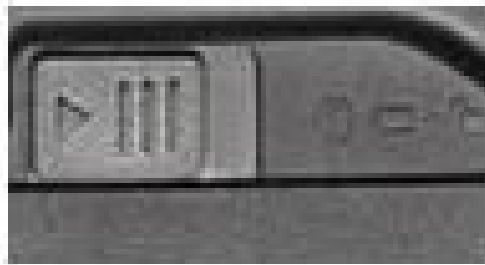
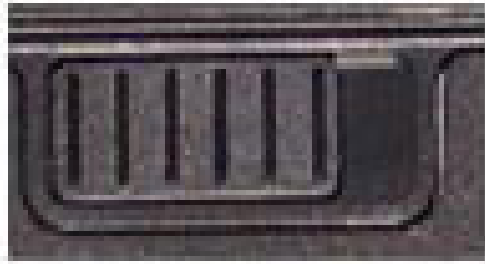
**Note :** Many ultrabook laptops have batteries that cannot be removed on the outside. Removing the battery of this model will require the help of a technician and must open the computer case.



## **How to remove the laptop battery**

1. If your laptop is plugged in, unplug the charger or disconnect the power cable.
2. Turn the laptop upside down.
3. Find the pin pin at the bottom of the computer. The image below shows some common pin pins, often found on laptops.

# Laptop battery latches



4. To remove the battery, slide the latch switch to the opposite side and hold it in that position until the battery is released.

5. On some laptops, the battery will turn itself on. On other models, you will need to pull the battery lightly by hand.

## **Other situations**

Although most laptops have only one latch, there are some models that require sliding two pins to remove the battery. On these laptops, the pins still look like the example above, but require you to move both pegs at once, usually in opposite directions.

Finally, there are also some old laptops (IBM laptops) that require pulling the latch out and then pushing it toward the battery.

## Can't find pin latch?

If you cannot find any battery latch or button to remove any battery under the laptop, it is possible that the laptop you are using has a different mechanism to disassemble the battery. If necessary, you can bring it to a warranty or repair center for help.

You should also consult the notebook's documentation or check the manufacturer's website for steps to remove the battery for your particular model.

## 11. Discharge the power from the computer

Sometimes a small amount of electricity can prevent your laptop from turning on. You can imagine it as a "congested current". By taking the following steps, you will discharge any remaining power from your laptop and try turning it on again.

1. Disconnect the AC adapter (computer charger) and remove the battery.
2. Hold the power button for at least fifteen seconds.
3. No need to reinstall the battery, plug the AC adapter back into the laptop.
4. Press the power button to turn on the laptop.

**Note :** If this process doesn't work for you, repeat the above process, but in step two, keep the power button for a minute or longer.

## How to recover data if the computer cannot boot?

If you have important files that will be lost and want to back them up before reinstalling Windows, you can use the Windows or Linux live CD installation disc to restore them. These tools run entirely from CDs, DVDs or USB drives and allow you to copy files to another storage medium, such as USB or an external hard drive.

If you cannot start the Windows or Linux live CD installer, you may need to enter the BIOS or UEFI to change the boot order.

If this doesn't even work or you can boot from the above devices but the computer freezes and cannot access the hard drive, it is possible that certain hardware is broken. You can try dragging the computer's hard drive, bringing it to another computer to back up the data you need.

Good luck!

See more:

1. Instructions to fix Windows error does not boot
2. If the computer crashes, press this key combination
3. Tracing 'guys' makes Windows boot slowly

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