

# The simplest way to fix Macbook video card (VGA) errors

Although graphics card errors are not a common problem on MacBook lines, they cause a lot of trouble when users encounter them, causing the screen to have stripes, blurring, etc. If you are experiencing a similar problem, read the article shared by TipsMake below to see some quick and effective ways to fix a Macbook with a failed video card (VGA).

If you experience a frozen screen or the device suddenly turns off when you play a video or play a game, your MacBook most likely has a faulty graphics card. This is an error that needs to be fixed immediately to avoid damaging your MacBook's hardware, causing you to spend a lot of effort and money to repair it.

## *How to fix Macbook with graphics card error*

### *1. How to identify graphics card errors*

Sometimes, graphics card errors on Macbooks are easily confused with motherboard errors or screen errors, so only experienced technicians can recognize them. However, the simplest sign to help you recognize a graphics card error on your Macbook is when the computer's temperature is too hot in both the fan and heatsink systems.

Other signs related to Macbook graphics card errors include images suddenly disappearing or the computer unexpectedly restarting when you use graphics tasks such as image editing and gaming.

In addition, some other signs related to graphics card errors on Macbooks are the screen freezes, you can see small squares appearing on the screen or vertical lines and sometimes the screen will not display anything.

### *2. Symptoms of graphics card error*

- Horizontal and vertical lines appear on the screen.
- When starting, the loading bar is always in the loading state and the screen remains dark or the computer restarts automatically.
- Black screen.
- Device startup sound cannot be heard.
- The computer cannot be turned on or the computer does not make sound.
- The computer suddenly turns off when you try to play a video or view photos.
- Error pixel boxes appear on the screen.

### *3. How to fix Macbook graphics card error*

**Identify graphics card errors for MacBook**

To be able to accurately determine the MacBook graphics card error, you can perform the following checks:

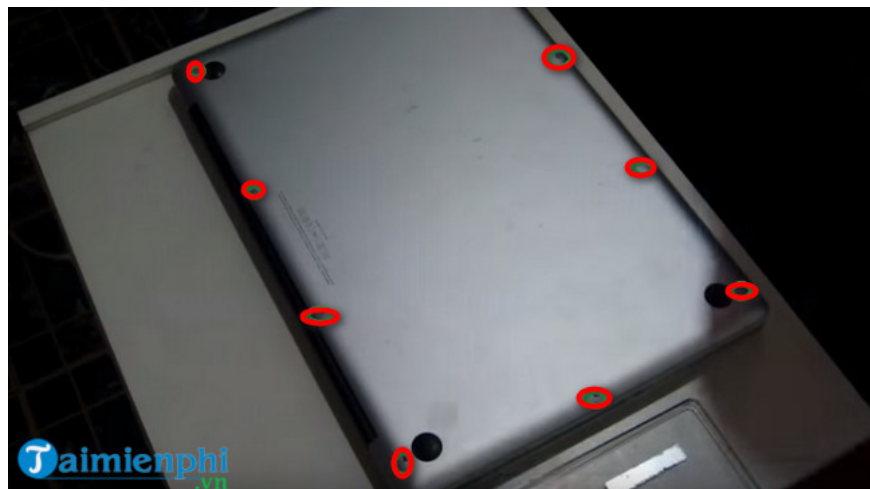
- If you connect the MacBook to another screen and the image displays normally => The error is due to the MacBook screen.
- The screen is dark on one side or flickering => Error due to MacBook screen.
- When the computer is booting, a folder containing a question mark appears => Error due to the operating system.
- When the computer boots, you hear 3 different tones but the system still does not load => RAM or motherboard error.

### **How to fix Macbook graphics card error**

After you are sure your computer is having a graphics card error, contact Apple's authorized resellers to fix this problem if your computer is still under warranty.

In some other cases, if you cannot bring your computer to a repair center, you can clean your MacBook yourself to fix graphics card errors. To do this, you can follow the steps below:

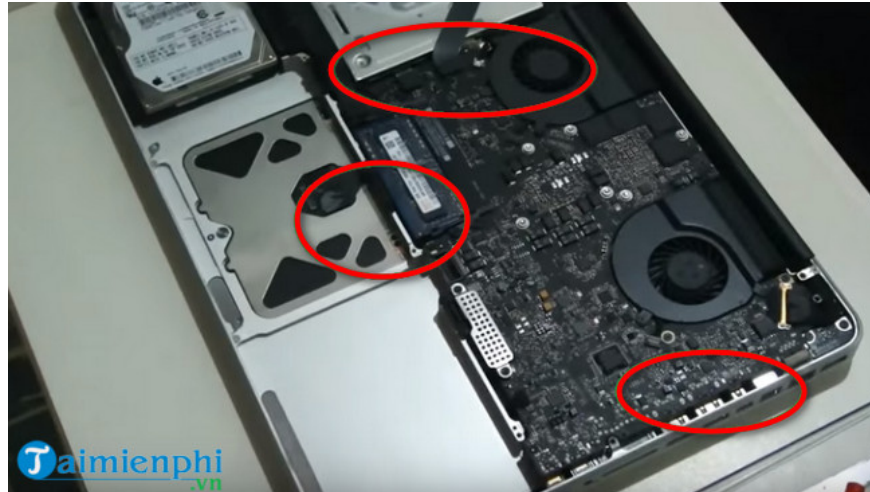
**Step 1:** Remove the computer case by **unscrewing the 12 screws** that secure the bottom case of the computer.



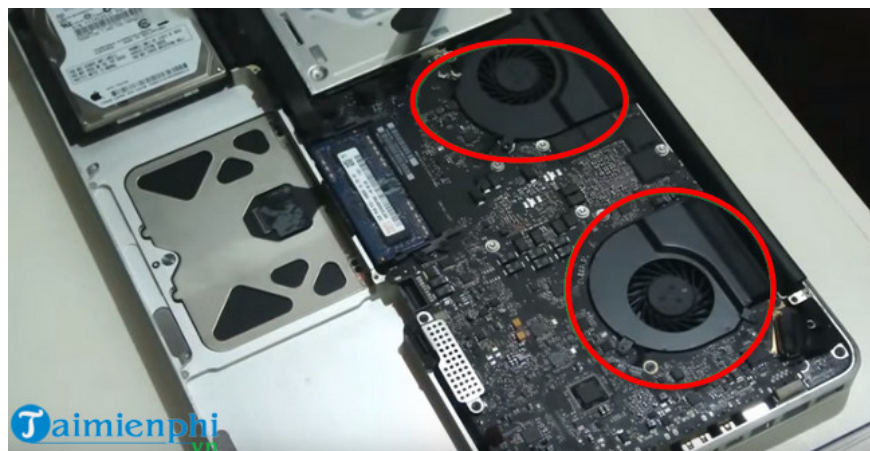
**Step 2:** Use a specialized screwdriver to **twist the battery fixing straps** and **remove the battery** from the device.



**Step 3:** Gently **remove the connection ports** from the socket.



**Step 4:** After you have removed the connection ports, continue to **remove the fan securing straps** to remove the fan.



**Step 5:** Carefully **remove the motherboard screws** before lifting it out.



**Step 6:** Once you have removed the screws and lifted out the motherboard, proceed to **remove the screws securing the heatsink**.



**Step 7:** Use a cleaning cloth to **clean the heatsink, fan and video card** before reinstalling.

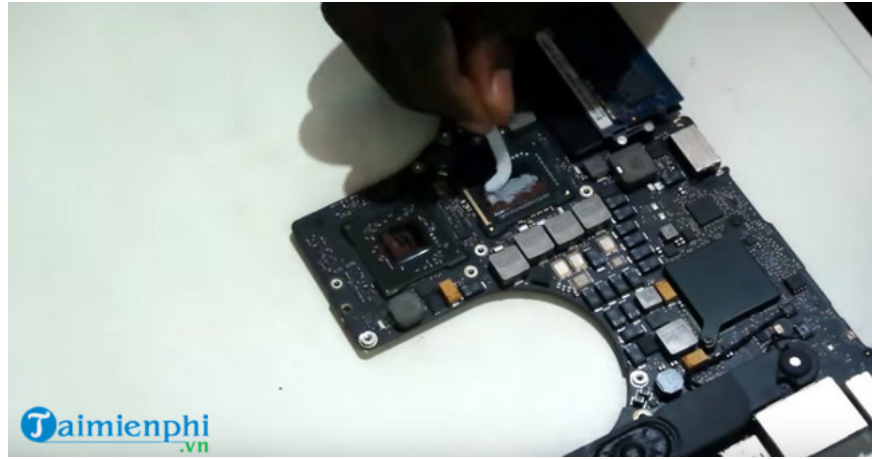


**Step 8:** Use a heat gun to reattach the GPU. Make sure reattaching the GPU is done at a safe distance, and that the heat is distributed evenly to avoid damaging the chip.



Reinstall the video card with a heat gun for 5 minutes and let it cool for 10 minutes.

**Step 9:** Wipe the GPU again and apply thermal paste evenly.



**Step 10:** Reinstall the heatsink and all other parts in the order you removed them before.

Restart your PC and the graphics card error issue will be resolved if you follow the correct procedure.

Besides Video Card errors, many Macbook users also encounter SSD errors that cause data to be lost, making it impossible to access data on the hard drive. To fix this error, readers can refer to the instructions in the article below and follow it.

So TipsMake has guided readers on how to fix a MacBook with a faulty graphics card by cleaning and reapplying thermal paste to the MacBook. Wishing you success.

You finished reading the article "**The simplest way to fix Macbook video card (VGA) errors**" 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.