

## 1: Xbox RROD Repair

*Use this guide to install iFixit's Red Ring of Death Fix Kit. Reflowing the motherboard after completing Step 48 of this guide (before you install the RROD fix kit) both provides a higher chance of success in fixing red ring failures and also safeguards against future failures.*

Second hand consoles built before and bought on eBay or pawn shops or even those that got put at the back of a cupboard in favour of a PS3 still have the problem. But it gets worse: Using the Xbox Kinect can also contribute to the fault. Early fixes for this suggested gamers wrap their Xbox in a towel to overheat the system and cause the BGA to soften enough to reconnect the processors to the motherboard. However, the principle "using heat to reconnect the CPU and GPU to the motherboard" is sound as an alternative to buying a replacement or paying for expensive repairs, which is where the X-clamp fix comes in. Here, we make modifications to the Xbox case to accommodate a repair kit that can be purchased cheaply. A high success rate is claimed by this fix, but does it really work? This is basically a collection of eight 12mm screws, and metal and plastic washers that are intended to replace the X-clamps on the CPU and GPU. The eight screws and the washers make a better job of things. Advisable too is a special tool for taking your Xbox apart, and this can be picked up online or in electronic project stores. You can use a drill bit to widen the hole and then sand down any uneven areas around the hole with a Dremel-style tool. My preferred approach was to use a standard bit suitable for drilling through metal with a piece of wood under the case. Panic aside, if you do any work with computer components - even as simple as upgrading your memory - you need to know. With the screws in place, you should test the Xbox by reconnecting the DVD drive, placing the fan atop the GPU heatsink (this is the taller of the two) and powering up. On other occasions it might take a while, and you might find that the error code changes. Resurrection, But For How Long? But one thing is for sure: My Xbox keeled over in. Although I fully intended to repair it, it has taken me until today to do so because life. Purchased as a Christmas present for me and my better half in mid, it has been in a state. And after they get bored of the games bought alongside their. Have you tried the Xbox X-clamp repair? Did you have success? Is your device still working?

### 2: Xbox RRoD X-Clamp Fix â€“ Does It Work?

*In tackling these problems in order of difficulty/cost effectiveness, the next logical step is to try the changing/modding heatsinks. The new 'Falcon' Xbox 's include a branch off heat sink for the Southbridge chip, which causes some RROD issues.*

Most, if not all, three-light errors in Xbox consoles are related to overheating. The most common issue is a cracked or cold solder joint underneath the GPU on the motherboard. A flaw in the design of the heat sink allows the motherboard to warp in the area around the chip, which causes the chip to lose contact with the board. To keep your Xbox from being affected by the Red Ring of Death, keep it in a well-ventilated area and make sure the cooling vents are free from obstruction. If your Xbox begins to overheat, turn the power off and allow it to cool for at least an hour before continuing play. Alternatively, use an external fan to help circulate air across the device. You can use the technique outlined on the full troubleshooting page to retrieve an error code from your console to determine what the specific cause of your RROD is. After pinpointing the cause, you can take the necessary action to remove the diabolical red ring and get back to ruling Xbox Live. For more in-depth troubleshooting, check out the Xbox Troubleshooting page. The original Xbox Core package did not include a hard drive. The optional external hard drives come in 20, 60, , and GB capacities. Software updates are available in a variety of ways: Copy an update to a USB flash drive. It had the largest launch of any game console to-date, appearing in 36 countries in its first year on the market. Aesthetically, the Xbox changed very little during its lifetime. Main changes to the exterior from the original Xbox were a less boxy shape, a matte white outer case, and most notably, the ability for the console to stand vertically on-end. Various versions were released later on in black, as well as special edition colors. At its launch, the Xbox was offered as a Core or Pro model. Upgrades from the Core model that the Pro featured included wireless controllers and a 20 GB hard drive. In the Arcade version replaced the Core, and featured built-in memory, but did not come with a hard drive. The black-bodied, GB Elite model was also released in April in , and was sold alongside the Xbox Pro until mid , when the Pro was discontinued. Elite models are easily distinguished from others by their black outer case.

### 3: Xbox technical problems - Wikipedia

*For this repair you also need -Torx 8 Screwdriver/T8 -Torx 10 Screwdriver/T10 -A small flat screwdriver to open the back  
This repair will work on almost all RROD's especially on the ones with.*

Three flashing red lights around the Xbox power button instead of the one to four green lights indicating normal operation represent an internal problem that requires service. Warning signs may include freeze-ups, graphical problems in the middle of gameplay, such as checkerboard or pinstripe patterns on the screen, and sound errors; mostly consisting of extremely loud noises that can be affected by the volume control, the console only responding when the power button is pressed to turn it off. If the console freezes occasionally, the error will not necessarily follow. The technical problems seem to affect some generations of consoles more than others, e. Those problems may also cause some freezing screens. This error code is usually caused red by failure of one or more hardware components, although it can indicate that the console is not receiving enough power from the power supply, which can either be due to a faulty power supply or if the power supply cable is not fully inserted into the console. The 3 flashing lights can also be caused by power surges; if the console is connected to an outlet that receives a power surge, it may have a failure and the 3 lights will appear as long as the console is plugged into the outlet. Turning off the console, unplugging all power cables and plugging them back in, and restarting the console may fix this issue in some cases. Two red lights appear when the system is overheated. On the Xbox S model, the power button utilizes a different design that does not incorporate the same style of lighting that past models used. A solid red light is similar to the one-light error if an "E XX" error message is displayed and a three-light error code if the error message is absent. The interviews suggest that Xbox units that fail early in their life do so because of problems in the system design, parts supply, material reliability, and manufacturing issues as well as a system not tolerant to faults. I was doing a lot of interviews. There was a theory. We had changed our solder, which is the way you put the GPU and the fans, to lead-free. People who experience the problem will find that they have to send the Xbox away for repair or replacement and it may take up to 3 weeks to repair or replace. During the time of the Xbox being replaced, Microsoft and UPS will keep the client s updated with the current status of where the Xbox is and whether it is being repaired or replaced. These models indicate hardware failure differently from the original; The outer ring segments cannot turn red anymore. Microsoft has said that henceforth errors will be displayed by the center of the power button changing from green to red. Causes[ edit ] Microsoft has never officially released any information indicating the true cause of the problem. Therefore, any information available to the public has come only from third party analyses. Electronics industry newspaper EE Times reported that the problems may have started in the graphics chip. After multiple product failures, Microsoft went back to an ASIC vendor and had the chip redesigned so it would dissipate less heat. Because of the nature of the problem, Micromart could only make temporary repairs, which led to many of the "repaired" systems failing again after a few weeks. At that time Micromart was receiving 2, defective consoles per day from the U. However, the Xbox S and Xbox E ships with a sticker informing users that moving the console while powered on poses risks, effectively removing responsibility from Microsoft. Other publishers can be contacted directly for a disc exchange, but it is unclear whether they will replace discs at no cost. Kassa stabilized these consoles and positioned them at a location remote from contact by anyone. The results of the laboratory conditions test revealed that one of the nine tested Xbox units had spontaneously scratched a disc after five hours of gaming. The consoles were also tested standing upright, and the test revealed that three of the nine tested Xbox s significantly scratched discs. The video of the complete investigation, meticulously documenting the methodology, and all the relevant details of the tests, was made ready to be aired on April 14, They can also be found on the Kassa Website [54] together with some press information about the case in English. The test setup details can be found online, [55] and the complete movie of the Kassa TV program meticulously documenting the methodology used for the test can be found online in Dutch [56] Weeks before it aired, however, Kassa solicited input from Microsoft Netherlands. One day before the airing of the April 14, show, Kassa received a response from Microsoft Netherlands stating that "as a result of regular use it is possible that

scratches on discs can arise", [57] [58] [59] and that Microsoft Netherlands "would seek a solution for the Dutch customers with this problem". While we are aware that discs can potentially be scratched through normal wear and tear, we have not received any widespread reports of the issue highlighted here. That said, it is important to us that all of our customers have the best gaming experiences possible, and these claims are obviously very concerning to us. We encourage any Xbox customer who believes that their discs have been scratched in the same manner as identified by Kassa, to contact us. We will examine the console and make appropriate repairs if necessary in order to restore the console to full working order, as well as provide customers with information on how to obtain replacement discs should they need them. Whether Microsoft Netherlands will also replace scratched discs is still unclear. After the official broadcast, in a continuation of the show which can be viewed on-line, about 28 minutes into the show a customer is shown calling the Microsoft help-desk, who is told Microsoft will replace his Xbox but is denied a promise to replace his scratched games. The lawsuit seeks class action status. The law firms have filed lawsuits in the United States District Court Western District of Washington at Seattle on behalf of a proposed nationwide class of customers who have suffered scratched game discs while using their Xbox. A sealed test, protected from any outside interference beyond accessing games, found no problems with either console. However, a further test which attempted to simulate normal household vibrations produced a disc scratch on the previously problematic console. However, the company did not comment on the lab tests. Usually, error code E71 is shown during or directly after the booting animation. In response to the November update error that "bricked" his console, a California man filed a class action lawsuit against Microsoft in Washington federal court in early December. Nyko has recently released an updated Intercooler that uses its own power source. Nyko claims this problem no longer occurs with new versions of this cooler. However, Microsoft still considers it an unlicensed add-on and will void the warranty of machines showing signs of its use. There is no data available to indicate whether the Intercooler really does decrease the chance of hardware failure. The Intercooler can also melt itself onto the , melt the powercord inside of itself, or make itself extremely hard to remove. This update provided streaming Netflix capability and avatars; however, some users have reported the update has caused their consoles to not properly read optical media. An E74 error is indicated when the lower-right quadrant of the ring indicator flashes red and displays an error message in multiple languages: "Contact Xbox Customer Support", with the code E74 at the bottom. The error is caused by a solder joint under the GPU or Video output chip becoming damaged. Later versions would show a completely jet-black background. Reports of impending Q4 red-light failure stem from users who report an abnormal display with poor, grainy video as well as black dots or artifacts appearing on the screen. Vertical green or red strokes on the screen can also indicate an E

### 4: Xbox Red Ring of Death Fix Kit - iFixit Repair Guide

*xbox, Xbox RROD/E74 Repair Guide. by admin August 31, , pm. 0. SHARES. Share Tweet. This is a complete Xbox Repair Guide using the Xecuter Repair Kit.*

If the red ring encircles the power button entirely, the cords are not plugged properly. Take the hard drive from the slot. Step 3 Take off the plastic casing using the T9 screwdriver. Group the screws so you can put them back easily after you repair Xbox Step 4 Now you have to take the metal casing off the console. Take out the other components in the Xbox. Note the order in which you remove the components. It may also be necessary to take out some motherboard components. Step 5 Use the screws to remove the X shaped steel brackets at the motherboard. Pry off the brackets. This may require some pulling. Step 6 Look for washers that have holes corresponding with the screw widths. These are the ones that were keeping the X brackets in position. The source of the Red Ring of Death is overheating. You can overcome this by putting some space between the motherboard and the X brackets. This should keep the motherboard from getting too hot. Step 7 Put three washers on top of one another. Now you can replace the brackets. Step 8 Install all the components you removed. Make sure the order is correct. Use the screws to assemble the console. Plug the Xbox back on. The Red Ring will no longer be there. Tips and Warnings You should try the procedure above only if the console is no longer under warranty. If it is, it is better and safer to just get a replacement. If the system is no longer under warranty you can try the procedure described above. Make sure the workplace is clean and organized. The table should be devoid of clutter. Do not mix the screws together; organize them by type. There is no question that it will take time to repair Xbox Red Ring of Death. But if you follow the procedures described, the annoying red ring will disappear and you can resume playing.

### 5: Feel the Fear and Fix It Anyway: How Fixing My Xbox Was a Game Changer | iFixit

*Vrugteman, Stephan "Xbox RROD Repair Guides." Xbox RROD Repair Guides. 3 Aug.*

But after years of heated gaming sessions, our trusty old Xbox overheated and stopped working altogether. Ah, the Red Ring of Death – the scourge of the Xbox, destroyer of gaming dreams. To me, each console is also a collection of memories: Especially when junking the console also meant junking the games. So our old Xbox collected dust in a closet. But then I came to work at iFixit. And I learned that I could fix my game console myself. No one was using it. I had nothing to lose. Here was my next big battle as a gamer. Doing a complete Xbox in pieces! My nerves rose as I started the complicated process of getting the Xbox free from its case. It took some time, but the Xbox opening tool made it easy. Once inside the console, however, I encountered my first hiccup: I was terrified of prying too hard and breaking the board. So I took a breather, watched the video guide, and tried again. Next, I removed the thermal paste and used a heat gun to reflow the Xbox motherboard. Then I reattached the heat sinks to the motherboard. Finally, I turned my attention to the thermal pads – and boy, did those old pads need replacing. They were super dusty and slightly warped by heat. By this time, that old fear monster was fading. I got this, I told myself. I can fix this thing. Following the instructions backward, I closed up the Xbox. Time for new thermal pads! Sometimes, the repair is the easy part. And now, the moment of truth. I turned on the Xbox and was greeted with a red light. I thought I did everything right – and it was still broken. My first impulse was to quit. Time to hit the troubleshooting forums. After a little hunting around, I found my answer: So, I hooked the cables into the TV and tried again. Now to test out the system. I grabbed an Xbox game and pressed the eject button – and nothing. Pressed again – nothing. The drive was stuck. Carefully, I pried on the tray tabs. Once the tray was removed, I was able to clean and align the disk tray correctly. I plugged the system in again. I tested the drive. I grabbed a copy of Halo 3. And – nothing – just a message telling me to insert an Xbox disk. Back to the forums! Turns out my error message could be one of several things. I ran through the possible culprits. Turn it off and on again? I installed the system update and tried the game again – same error. By then, I was mad. Now what am I suppose to do? Might as well give that a shot, too. My anxiety was through the roof. Please work, please – And then, Halo 3 appeared on screen in all its glory. My system was back online, and running. The repair took the whole afternoon, caused me a boatload of repair anxiety, and gobbled up one of my screw bits – but dammit, I fixed that Xbox. But to me, the repair was worth the time and effort. Because now I know that if I have to do it again, I can. I brought my console back to life. My name is Mem. And that first repair will live on in my memory as the hardest, but also the most meaningful repair ever. Because it changed something for me. And slaying that monster is the biggest victory of all. February 17, written by mem de matteo in Repair Stories Previous Post.

### 6: How to Fix Your Overheating, RROD, or E74 Xbox with Mere Pennies Â« Null Byte :: WonderHowTo

*The Red Ring of Death has become an infamous sign of a malfunctioning Xbox since its launch. The RROD is characterized by three red lights creating a 3/4 circle around the power button. Most, if not all, three-light errors in Xbox consoles are related to overheating.*

**Step 1** – Remove Faceplate and Hard Drive  
Remove faceplate Before you begin, make sure you have a clean workspace and that you are not on carpet. Place your thumb inside where the controllers plug in and pull the faceplate off. If you have a hard drive, press the button on the hard drive and remove it from the Xbox. If you look closely through the holes on the side of the Xbox, you will see three tabs on each side of the side panels. The tabs need to be pushed in and then the side grill should pop up. I have a pair of flat tweezers that fit nicely into the holes on the side of the Xbox. A small screwdriver or a nail should also work just fine. Do this for all six tabs on each side plate. Each of these slots needs to be pushed in for the top and bottom covers to separate. Once you have all 7 slots pushed in, go to the front of the Xbox and release the 3 tabs that hold the top and bottom covers together. The bottom cover of the Xbox should now be free to remove like a clamshell. If you have problems opening the case, you can purchase a special Xbox opening tool here. These are the screws that attach the top cover. I always mark the six screw holes with a black magic marker. This makes it much easier when remembering which six holes to put the silver screws back in. Now that you have removed the silver screws, the top cover should now be free to remove. The thermal chute is held in place by a tab on top of the cooling fans. Press on the tab and lift the thermal chute out. Disconnect the cooling fan power cable from the motherboard. Lift on the metal tab above the cooling fans and pull the cooling fans out. Next, using the Torx T-8 bit to remove the three 3 black screws holding the IR board. Finally, pull the IR board out from the mainboard. When reassembling, make sure the arrow on the white plastic piece is pointing up. Using the Torx T bit, Remove the nine 9 bronze screws from the bottom of the case. All visible screws on the bottom should be removed at this point.

**Step 8** – Remove Mainboard  
Remove mainboard Lift the mainboard out from the case. Avoid working in carpeted areas because the mainboard is sensitive to static electricity. On the back side of the mainboard, remove both X-Clamps by inserted a small headed screwdriver in between the screw the clamp. Gently pry the X-Clamps off, one post at a time. It is very important to be careful during this step. The clamps may be frustrating to remove, but they will come off eventually. If you have lint, dust, or hair in your heatsinks, now is the time to blow it out. Using an old credit card or a flat piece of plastic is a good way to remove most of the remnant thermal compound from the heatsinks. To get it even cleaner, use cotton swaps and rubbing alcohol. Goo Gone works very well also. The heatsinks may need some scrubbing but try to get all of the old residue off. Once again, this may take quite a few cotton swabs, but it is important get these as clean as possible. Old thermal compound On some units, the old thermal paste had smeared so far that it was actually covering the circuitry on top of the GPU. If this is the case with yours, make sure you clean all of the old thermal paste off. Thermal paste is conductive so you do not want it touching two different components on the chip. It is important not to put on too much thermal paste because it will have the opposite effect of its purpose. Using your finger, gently dab the thermal paste around on the surface of the dies until you have a nicely even, paper thin layer. Check for low spots and make sure the dies are completely covered. Adjust thermal compound if needed. Do not apply the thermal compound to the heatsinks! Wash and dry your hands.

**Step 13** – Clean Traces  
Clean traces This step is optional but suggested. On some units, you will see what looks to be water stains on the mainboard circuitry. I am not completely sure what this is or what causes it, but I always use a cotton swap with rubbing alcohol to clean away anything that appears to be a water stain, especially if the stain is over the metal traces in the mainboard. Next, place a plastic washer on top of the screw threads so that the mainboard is between the screw head and the nylon washer. On top of the nylon washers, place a zinc washer. Make sure to only use two washers per screw because the distance between the mainboard and the heatsinks must be 2mm. Each washer is 1mm. There should now be 8 screws coming up from your mainboard with the metal washers on top, above the nylon washers. It is helpful to put tape over each of the screw heads on the bottom of the motherboard. This will help hold the screws in place while you

complete the next step. Tighten the screws from the back of the mainboard using your 10mm socket. The screws need to be tight, but not too tight. If you have problems getting the heatsinks back on without the screws falling out, remove either the CPU or GPU screws and do one heatsink at a time. Make sure all eight 8 screws are tightened and the nylon and metal washers are all in place before proceeding to the next step. Step 16 – Hook up for Testing Place the mainboard back into the metal case. Put the IR board back onto the front of the unit. Leave the cooling fans removed and disconnected. Step 17 – Overheat Turn unit on In this step we will intentionally overheat the Xbox. Hook up the power cable and video cable to the back of the Xbox and turn your Xbox on. Push the small peg where the power button usually is to turn the unit on. You may notice that your Red Ring of Death is gone! However, it is important to continue through the rest of this guide. This is the Xbox telling you it is overheating. Sometimes it may take minutes before the two 2 red lights appear. If you leave the Xbox running for much longer than 1 minute after overheating, you may cause permanent damage to your Xbox! At this time, your Xbox is extremely hot. Avoid touching either heatsink until they are cooled down. Step 18 – Sit and Wait Sit and wait With the Xbox powered off, wait one 1 hour to give the Xbox enough time to thoroughly cool down back to room temperature. DO NOT put the unit in a refrigerator or freezer. If the heatsinks are still hot to the touch, let it sit longer. Step 19 – Tighten Screws and Reassemble During the overheating process, the screws may have loosened. Tighten the eight 8 screws holding in the heatsinks if necessary. Step 20 – Complete! Re-assemble the unit by following the disassembly instructions in reverse order. Your Xbox should now be cured of the Red Ring of Death. I hope this guide helps you. Feel free to leave any comments or suggestions. If this method works for you, please let me know!

### 7: Xbox Repair - iFixit

*Xbox Consoles (especially the older ones) suffer from "RROD Red Ring of Death" errors. It is common. This Repair Guide will show you, step by step (in 25 easy-to-follow steps) how to fix most of the errors that cause the RROD on these machines in roughly 1 hour.*

### 8: How to Repair Xbox - DIY and Repair Guides

*The Ultimate Xbox Hacks Manual: The only guide to remove all gaming limits. Learn by video's how to connect a /one/ps4 controller to pc, kinect hacks, play games on pc.*

### 9: Xbox Red Ring of Death Fix

*The Red Ring of Death is one of the most difficult Xbox problems players will come across. While repair is complicated, it can be done at home. Take the right approach to repair Xbox and get the console working again.*

*The Hammonds of Redcliffe The Hebrews and Egyptians (4000 B.C.E. 100 C.E.) Manual de arpa llanera Transcripts of transformation Letters, 1913-1936. Maximizing your ERP system Writing articles that sell. Neuro System 2.0 Unit 1 Win The Divine Trinity Polo 2000 haynes manual V. 1. Zelis; or, The way to be happy. The weathercock. The magic dollar. Blunt trauma to abdomen with microhematuria (adult) Faith, Hope And Marriage (Kids Kisses) Harlequin and the green dress Tike, and five stories A Beginners Guide to Hellenismos Sheilas Diary Vol. 3 1600 meter training plan in hindi Skateboarding made simple vol 1 CEOs guide to health care information systems Sustainable Livelihoods Introduction to Eastern patristic thought and Orthodox theology Kids Say the Best Things About God English guru learning books The origin and early reception of Schwanengesang Walburga Litschauer Some witches like sprinkles Neural modeling of brain and cognitive disorders Donors of funds toward acquisitions, Hood Museum of Art, 1985-2005 The youngman with the pitted face. The best of Aesops fables Software development lecture notes A Robin McKinley Collection Acts of caine lism 2011 audi a8 owners manual The woman who was made of oil. Israeli-Palestinian conflict Crime Prevention Strategies Producing healthy sheep Modern real estate practice University of south africa referencing guide*