Repairing Xbox Motherboard Replacement

Tools used in this guide

- Metal Spudger
- T10 Torx Screwdriver
- T15 Torx Screwdriver
- T20 Torx Screwdriver

Step 1 - Hard Drive Replacement

- Start with your Xbox unplugged and sitting on a flat, stable surface.

Step 2

- Turn the Xbox over to reveal the rubber feet.
- Use a metal spudger to pry off the four rubber feet.
Step 3

- There are 2 more screws hidden by the labels on the bottom of the case.
- You can either remove the labels or simply feel for the screw holes thru the labels and cut/punch a hole thru them.
- These labels are "Tamper Resistant" and will usually reveal a checkerboard pattern when removed. To reduce the likelihood of this happening, use a hair dryer or heat gun to WARM the stickers and soften the adhesive first, but it may still appear, however it won't be as bad.
- The picture of the lime green xbox shows the result of removing the sticker without heating it up first.

Step 4

- Use a T20 Torx screwdriver to remove the six screws holding the top and bottom covers together.
Step 5

- Use a metal spudger to separate the top and bottom covers slightly.
- Flip the Xbox right side up. Hold the sides and lift the Xbox slightly off the bench. A gentle shake of the unit should see the top cover separate from the rest of the unit quite easily.
- **Quality Tip** Placing the Xbox on your lap while doing this step can make things easier.

Step 6

- Once the bottom and top shells are no longer attached, carefully turn the Xbox right-side-up and lift off the top shell.
Step 7

- Remove the three 3 mm T10 screws securing the hard drive to the Xbox. There is one screw on the rear left side of the hard drive that is only visible when the IDE ribbon cable is lifted up. The other two are at the front right and left sides of the hard drive.

- The screw on the lower left corner of the disk drive is not in the hole that it appears to be in, but rather just closer to the corner.

Step 8

- Free the hard drive power cable from the carrier for sufficient slack to lift the hard drive out.

- Lift the plastic hard drive carrier out of the Xbox case.
**Step 9**

- Using a T15 Torx screwdriver, remove the four 3.4 mm screws from the plastic hard drive carrier (two screws per side).
- Carefully unclip the hard drive from the plastic carrier. Gentle persuasion will see the hard drive come out quite easily.

**Step 10**

- Unplug the hard-drive IDE ribbon cable and power cable from the hard-drive.
- They may be firmly seated, so be careful trying to remove them. DO NOT pull the wires or you may damage the cable assembly.
Step 11 - Disc Drive Replacement

- Remove the disk drive. It should come right out.
- Unplug the ribbon cable and yellow cables from back of disk drive.

Step 12

- Pry back the black plastic tabs around the disk drive in order to remove it from its housing. Once removed, set the drive aside.

- ONLY REMOVE IF DEAD!
Step 13 - Power Board

- Unplug the multi-colored power cord from the motherboard. It is in there pretty tightly, so it may take some effort.

Step 14

- Using T10 Torx screwdriver, remove two 3mm screws from the tan power supply board.
Step 15

- Remove the power supply and set it aside. It should lift right out.

Step 16 - Motherboard Replacement

- Unplug the bundle of yellow cables as well as the rainbow cord from the motherboard.
Step 17
- Remove eleven 3mm screws from motherboard, using a T10 Torx screwdriver. Refer to the picture to find all eleven.
- Unplug the power cable attached to the fan.

Step 18
- Remove the motherboard from the Xbox. As long as all of the screws are out and the fan is disconnected, it will lift out easily.