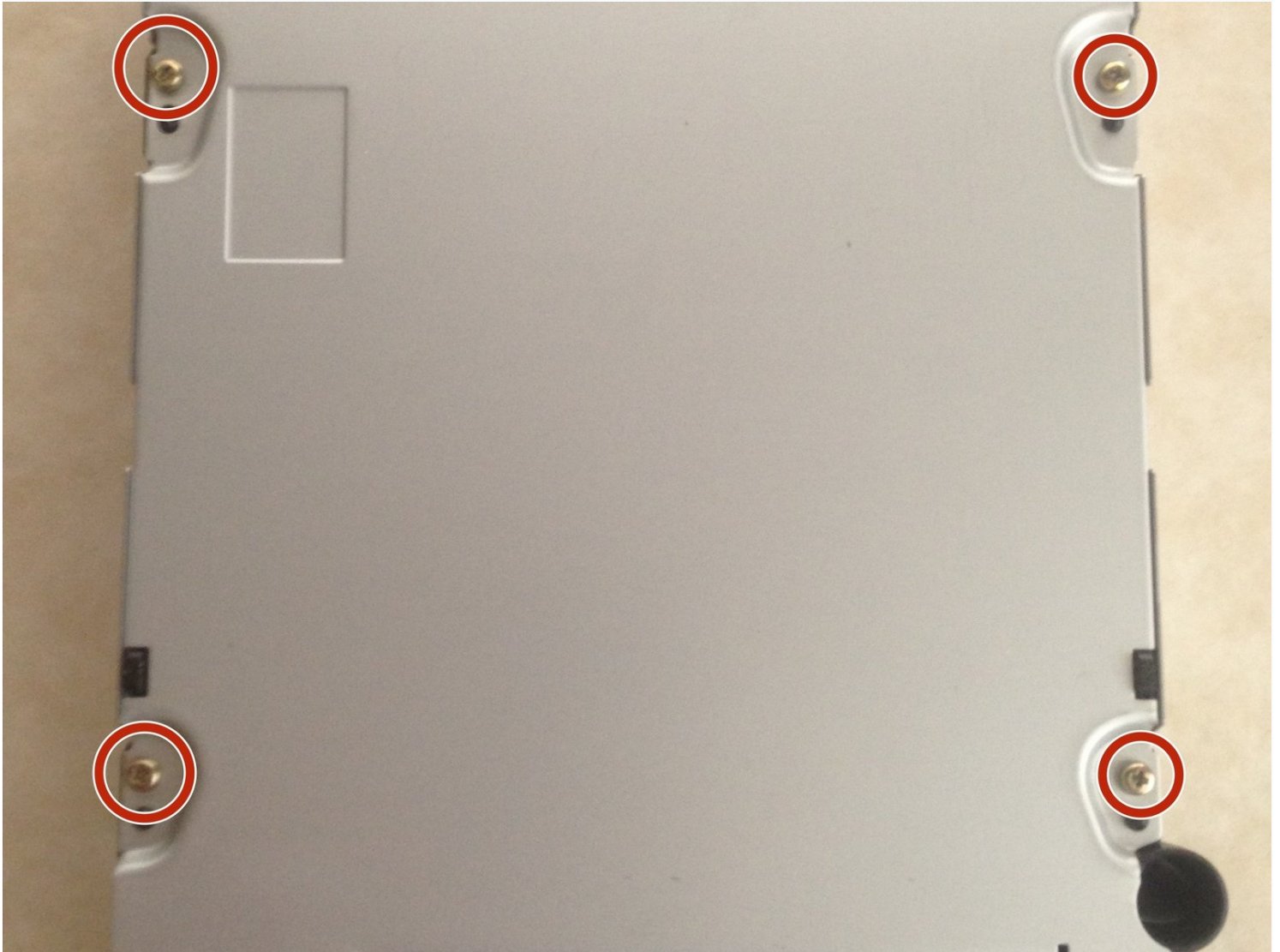




Xbox Samsung DVD Drive Disassembly

This guide will explain how to disassemble the...

Written By: Navy Vet 2015



INTRODUCTION

This guide will explain how to disassemble the Xbox DVD Drive in order to preform repairs or remove a stuck game by manually ejecting the drive.

TOOLS:

Metal Spudger (1)
T15 Torx Screwdriver (1)
T20 Torx Screwdriver Bit (1)
TR10 Torx Security Screwdriver (1)
Phillips #1 Screwdriver (1)
White Lithium Grease (1)

PARTS:

Drive Belt (1)

Step 1 — Hard Drive



- ☒ Make sure your Xbox is safely unplugged and is laying on a flat, stable surface.

Step 2



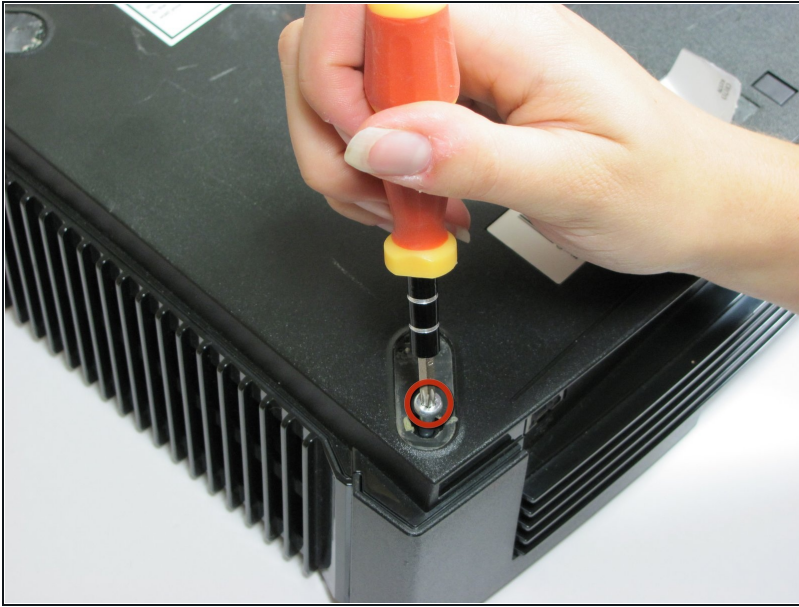
- ① Turn the Xbox over to reveal the four rubber feet.
- Use a metal spudger to pry off the four rubber feet.

Step 3



- ☑ There are 2 more screws hidden under the two labels on the bottom of the case.
- You can either remove the labels or simply feel for the screw holes through the labels and then cut or punch a hole through them.

Step 4



- Remove the six T20 Torx screws securing the top cover to the bottom cover.

Step 5



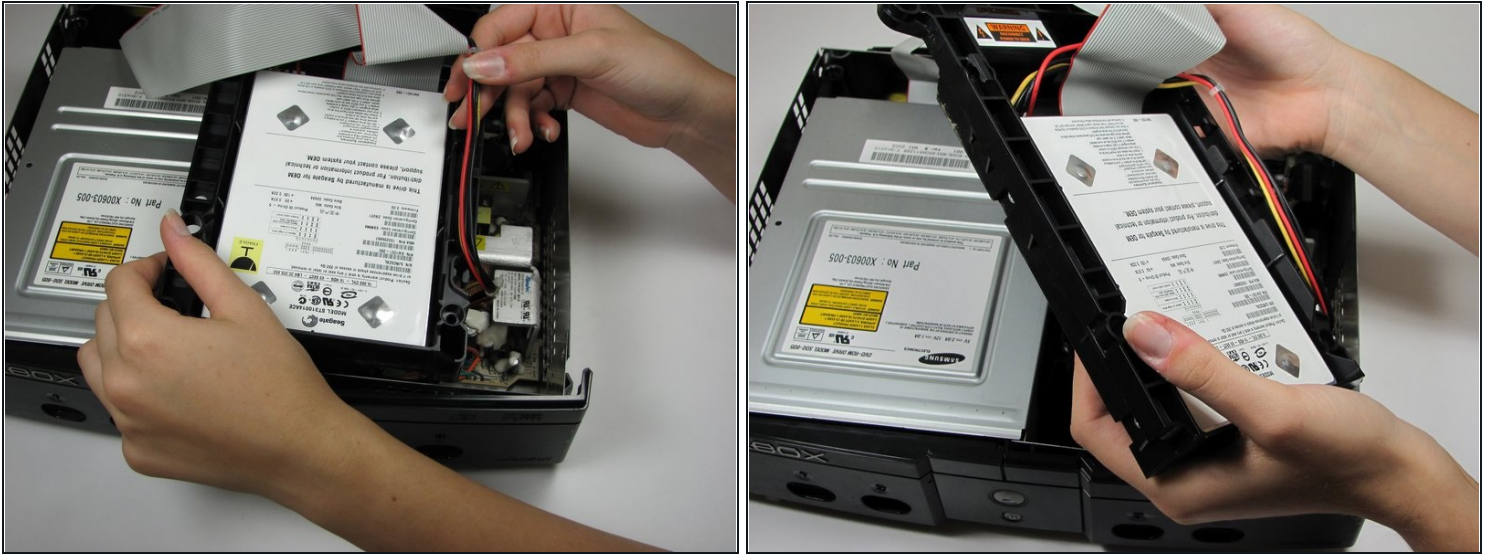
- Once the bottom and top shells are no longer attached, carefully turn the Xbox right-side-up, lift and remove the top cover.

Step 6



- 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.
- ① 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 7



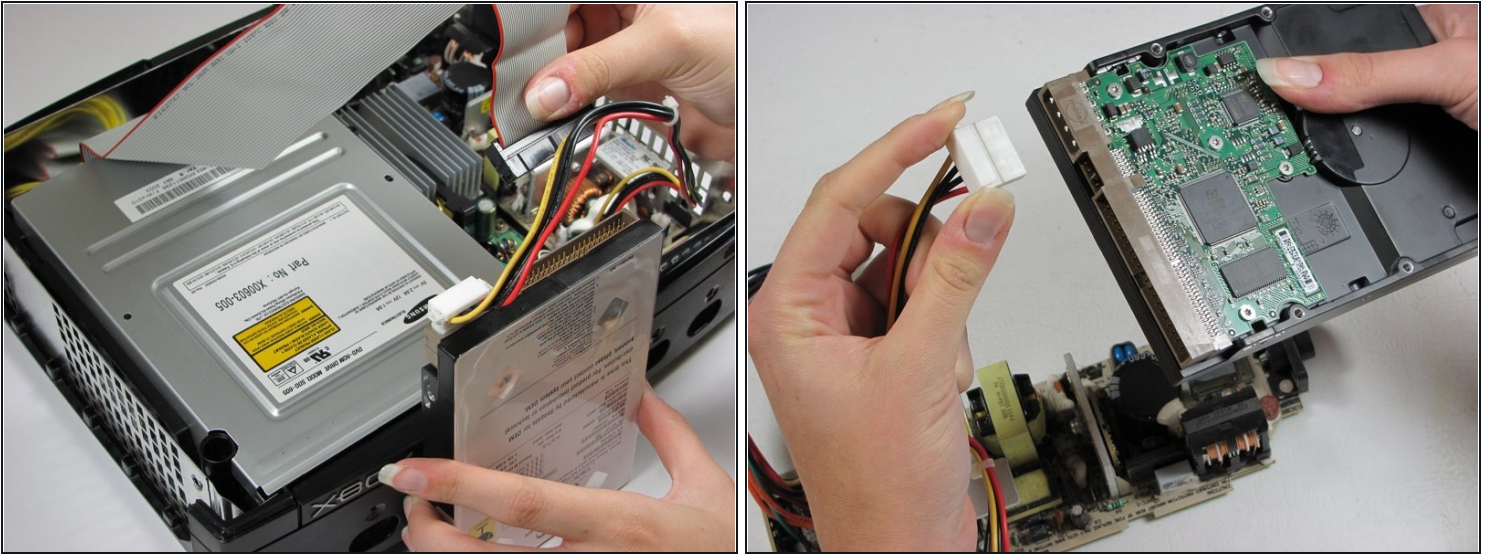
- Free the hard drive power cable from the carrier for sufficient slack to lift the hard drive out.
- Lift the plastic hard drive carrier out of the Xbox case.

Step 8



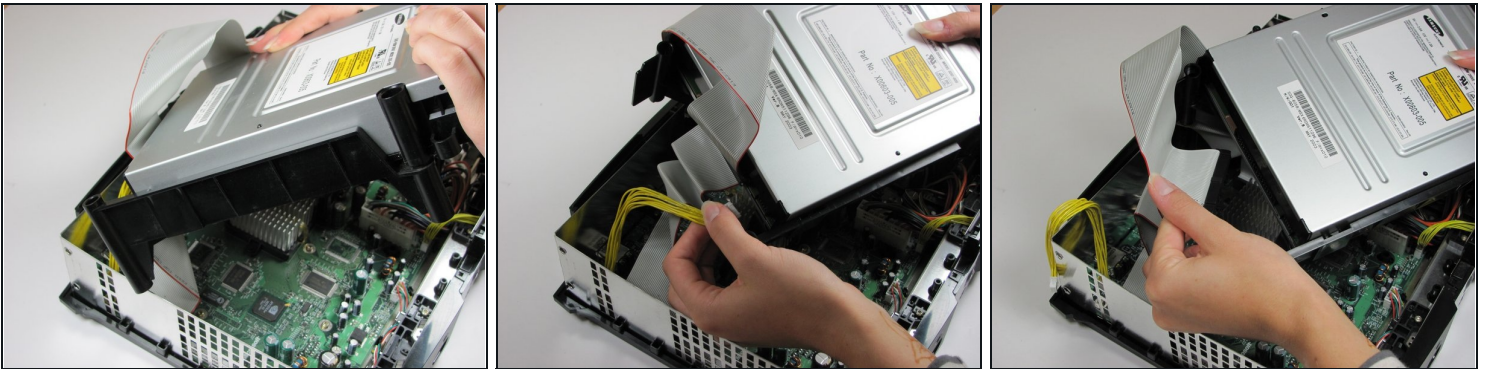
- Remove the four 3.4 mm T15 Torx screws from the plastic hard drive carrier (two screws per side).
- Carefully remove the hard drive from the plastic carrier. Gentle rocking will see the hard drive come out quite easily.

Step 9



- Pull both the hard drive data ribbon cable and the power cable straight up from the hard drive.
- ⓘ They may be firmly seated, so be careful trying to remove them. **DO NOT** pull the wires as you may damage the cable assembly.

Step 10 — Disc Drive



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

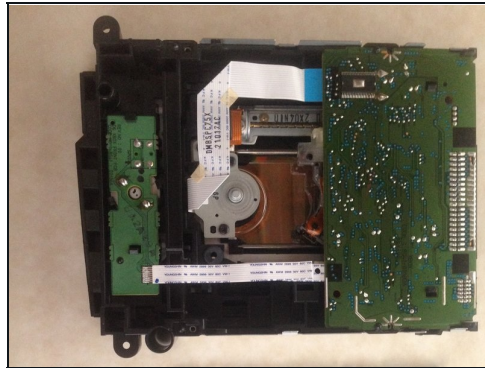
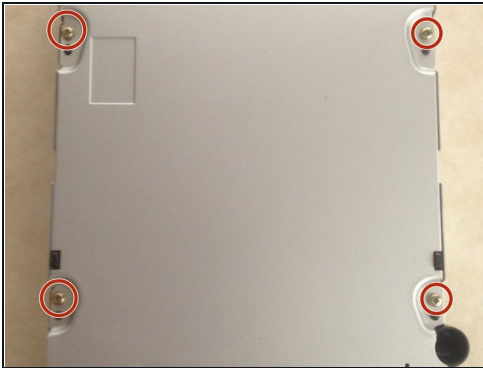
Step 11



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

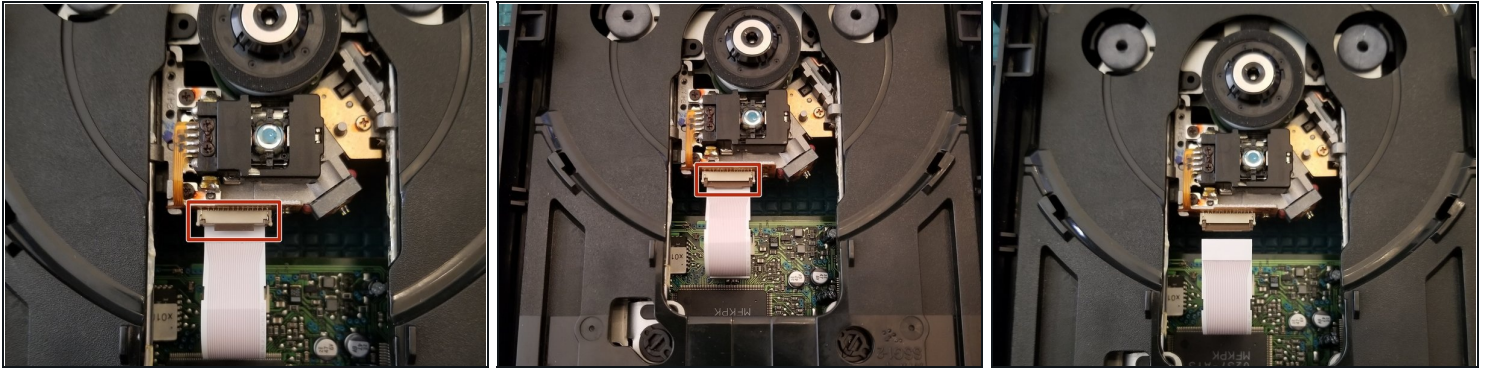
i If you are removing the disk drive in order to gain access to the motherboard underneath, you do not need to remove the plastic housing.

Step 12 — Remove DVD Drive Casing



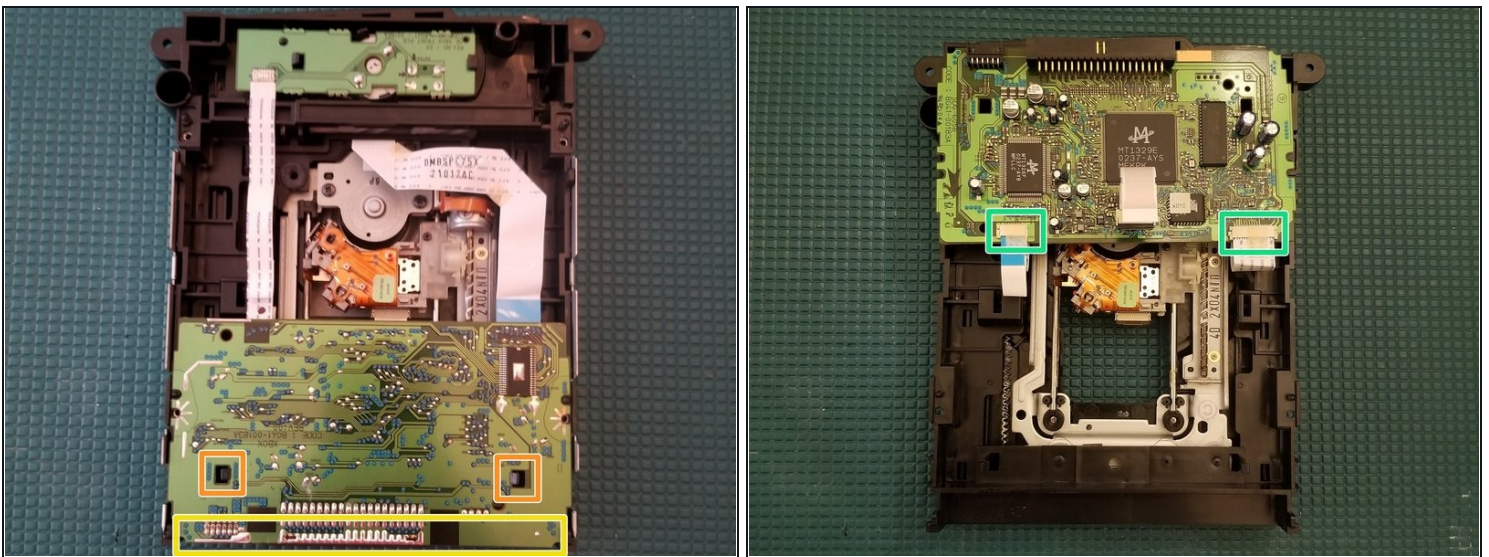
- Remove 4 PH1 Screws
- Once screws are removed, lift the bottom half of the case up and away from the drive.
- Flip the drive over and remove the top half of the case.

Step 13 — Drive PCB



- Gently press back on the ribbon retention tab and pull back on the ribbon cable

Step 14 — Drive PCB Continued



- Press outwards on the 2 plastic retaining tabs
- Gently lift PCB over tabs
- Only remove these ribbon cables if you need to remove the entire PCB. These are friction fit ribbon cables. In my case, they have a piece of tape holding the ribbon to the connector
- ① If your drive is "dead" this is where I would suggest replacing the electrolytic capacitors on the board. The Samsung [Ver. B] has 13 (9 Radial/4 SMD)

Step 15 — Manually Ejecting the Drive



- Using your screwdriver, or anything slim enough to fit, gently push the white lever back. Put your object on the right hand side of the lever, slightly pushing right as you push back.
- The lens will drop down and your drive door will open about a quarter inch.
- Gently pull the tray to its open position. If you have a game stuck in your drive, this would be the ideal time to remove it.
- ☑ If your drive door sticks when pressing the eject button now is the ideal time to replace the drive belt.
- Remove the drive belt and replace it with a new one. Belts approximate location highlighted.
- ☑ Don't forget to reset the white lever during reassembly.

To reassemble your device, follow these instructions in reverse order.