



HP 310-1037 Motherboard Replacement

This guide teaches you how to replace the motherboard in an HP TouchSmart 310 all-in-one PC.

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 **TOOLS:**

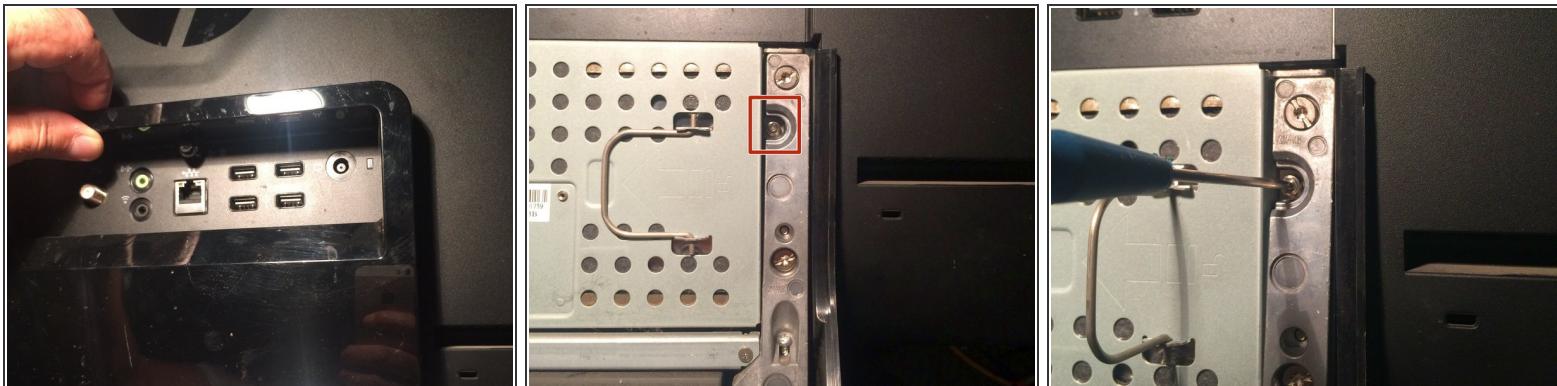
- [Flathead Screwdriver](#) (1)
- [Phillips #0 Screwdriver](#) (1)

Step 1 — Hard Drive



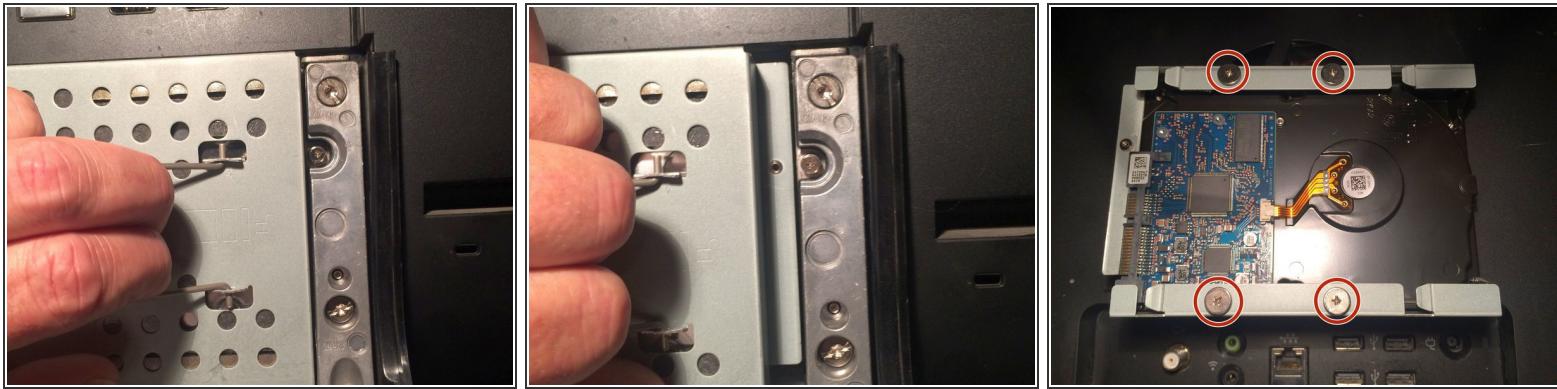
- HP310-1037 Touchsmart PC with a dead hard drive. The hard drive is located behind the stand cover.
- Lay the PC flat on the front to gain access to the stand cover
- Remove the single screw that holds the stand cover to the chassis with a flat tip screwdriver

Step 2



- Remove the stand cover
- The hard drive caddy is held in place with 1 Phillips screw
- Use a #0 Phillips screwdriver to remove that screw

Step 3



- Lift the handle on the hard drive caddy
- and pull it to the backside. This will remove the hard drive caddy from the computer.
- To remove the hard drive from the caddy, turn it over. There are four Phillips screws that hold the hard drive in place.

Step 4



- Once the four screws are removed, slide the hard drive out of the caddy.
- Here is the failed drive. It is a Hitachi HDS721010CLA332. Failure with this drive is all to common.

Step 5 — Remove stand



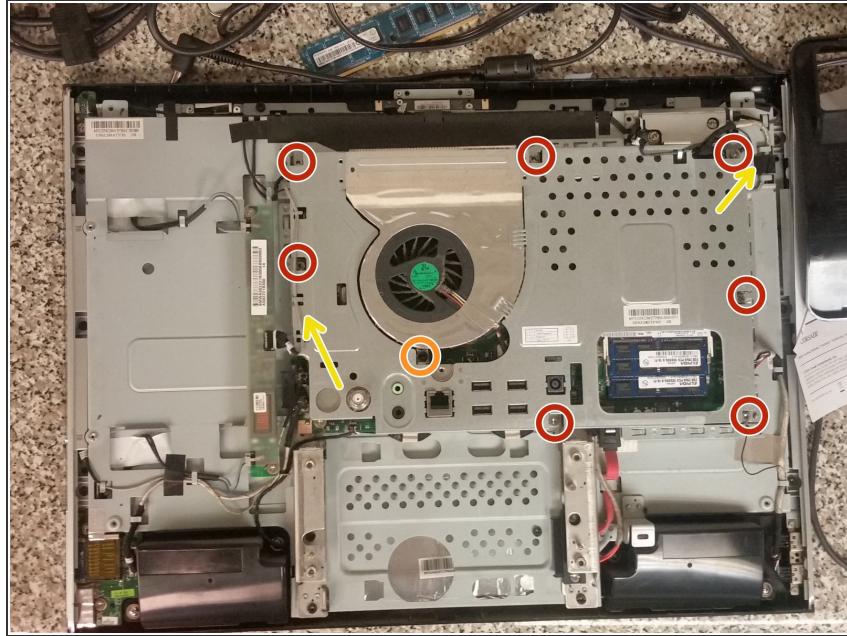
- Remove the four Torx/Flathead screws securing the stand.
- Lift the bottom part of the stand upwards, and it will come off.

Step 6 — Remove back cover



- Remove the four Torx/Flathead screws securing the back cover.
- Also unscrew the two captive Philips screws securing the disc drive, as these two screws also secure the back cover.

Step 7 — Remove metal shield



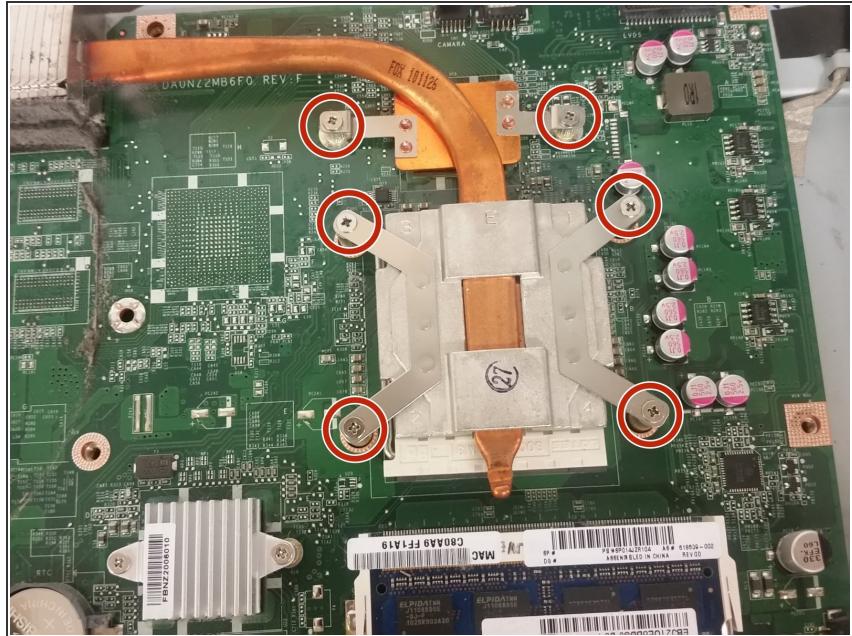
- Remove the seven silver Torx/Flathead screws securing the metal shield.
- Remove the single black Torx/Flathead screw securing the metal shield.
- Remove the cables strung through the shield.
- Pull up on the shield to remove it.

Step 8 — Remove fan



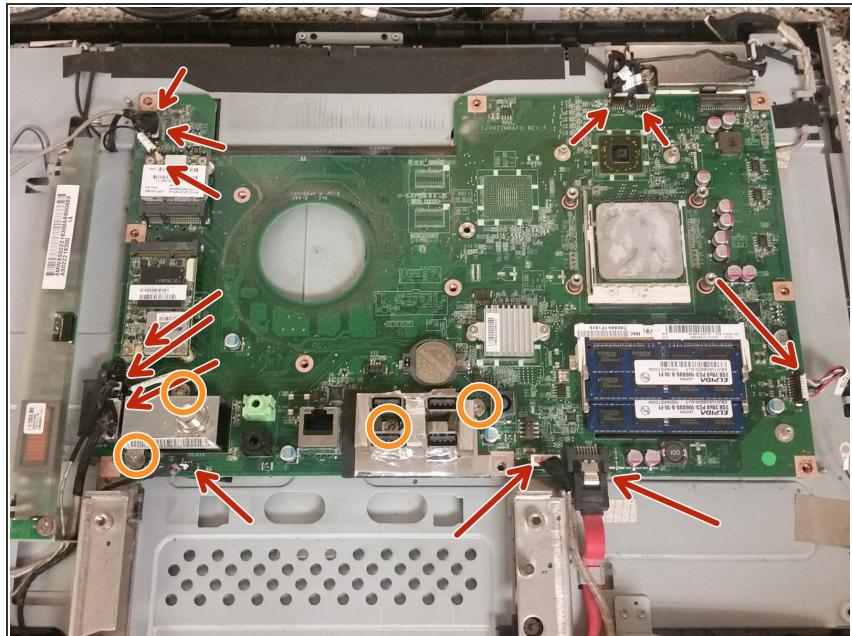
- Remove the two Torx/Flathead screws securing the fan.
- Pull up on the fan connector to remove it.
- Lift the fan to remove it.

Step 9 — Remove heatsink assembly



- Remove the six Philips screws securing the heatsink assembly to the motherboard.
 - Carefully lift the heatsink. If it won't come off, twist it as you pull it off. If it still won't come off, pull harder.
- i** Unfortunately, if you have to resort to pulling harder, the processor will likely come off with the heatsink. If this happens, use an adjustable heat gun set to ~200C to soften the thermal paste, first.

Step 10 — Remove motherboard



- Remove all attached connectors from the motherboard.
- Remove the four remaining screws securing the motherboard. You're done!

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