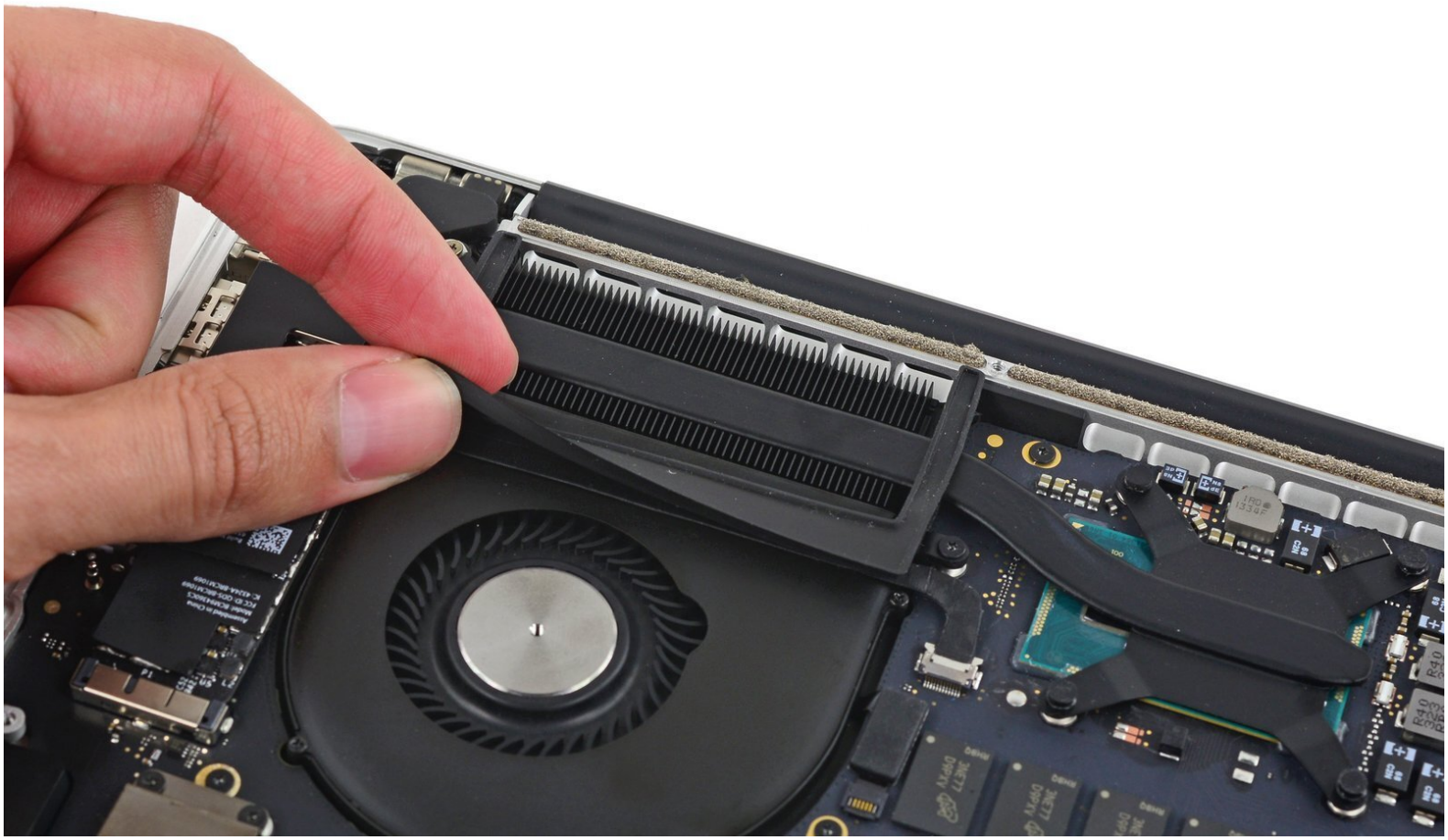
In-Place Fan Cover Removal

Remove the cover of the cooling fan for easier cleaning of heat sink and fan blades without removing either.

Written By: Stefan Countryman



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TOOLS:

- T5 Torx Screwdriver (1)
- Phillips PH000 Screwdriver (1)
- Spudger (1)

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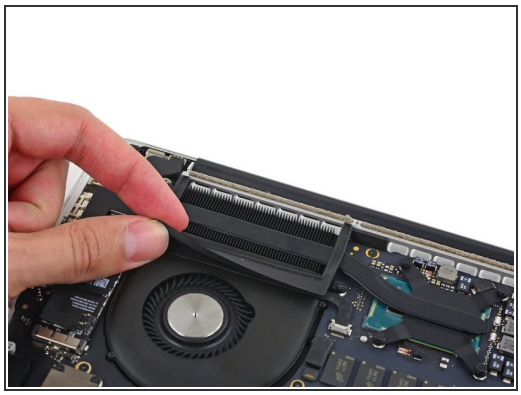
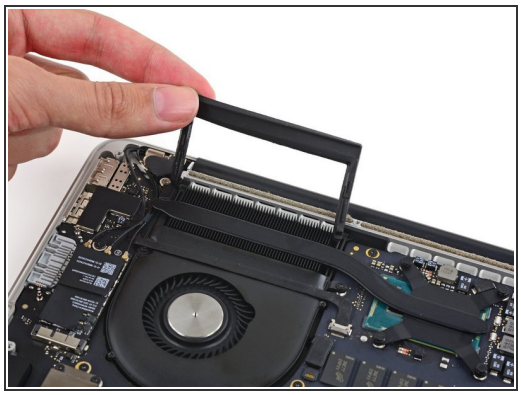
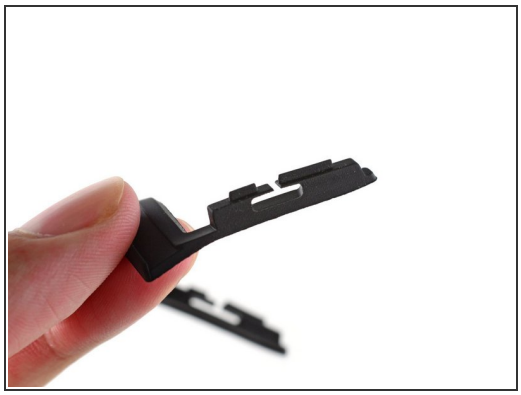
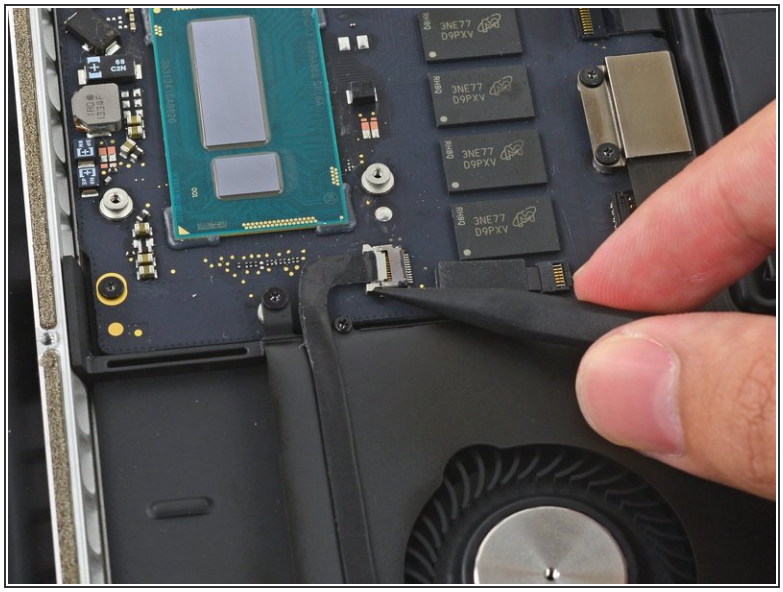
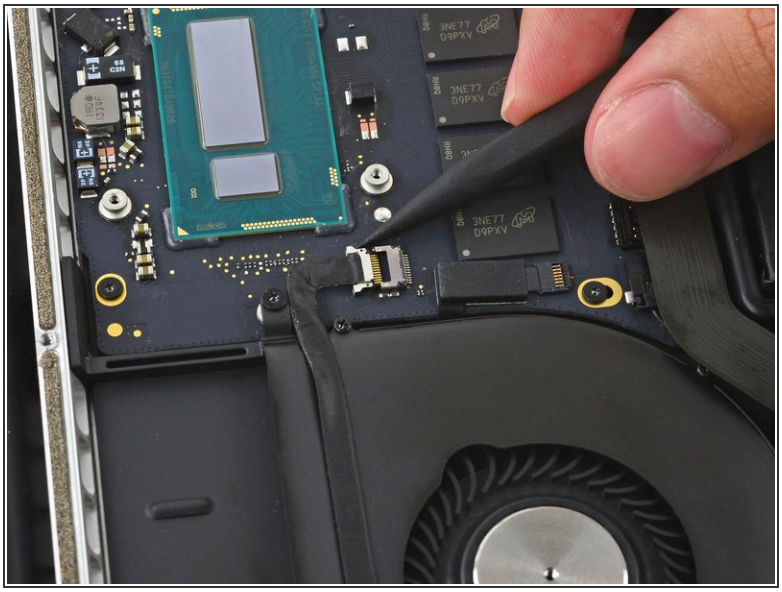
Step 1 — Remove fan bumper

- Carefully remove the rubber fan bumper from the edge of the heat sink.

The bumper is gently held in place by the lips in the third image which wrap under the heat sink. There is no adhesive, so removal and reseating should be easy.

Step 2 — iSight Cable

- Use the tip of a spudger to push on either side of the the iSight camera cable connector to walk it out of its socket on the logic board.

The cable connector is small and delicate, so make sure to nudge it out a little bit at a time from each side, alternating until it is fully out. A spudger or tweezers are ideal for this.

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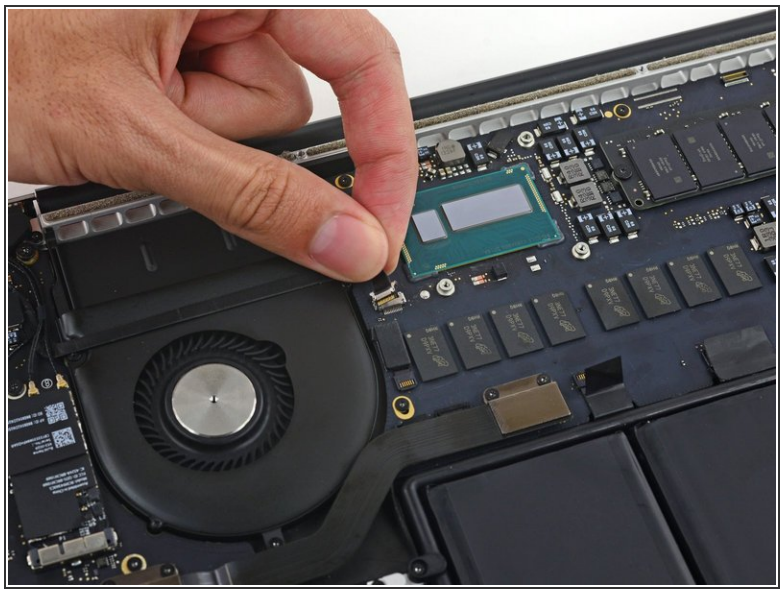
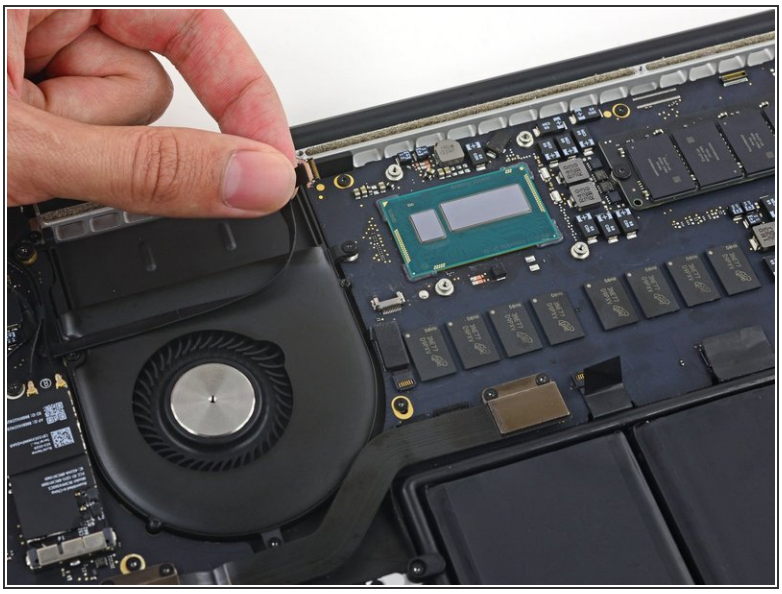
Step 3





- Peel the iSight camera cable off the fan housing to fold it out of the way.

ⓘ You can optionally use hot air to soften the adhesive and/or a spudger to help separate the cable from the fan housing.

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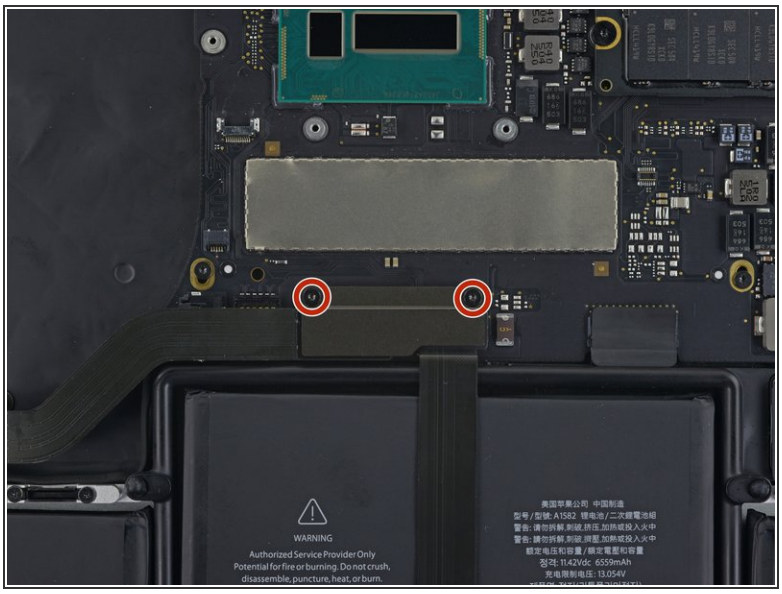
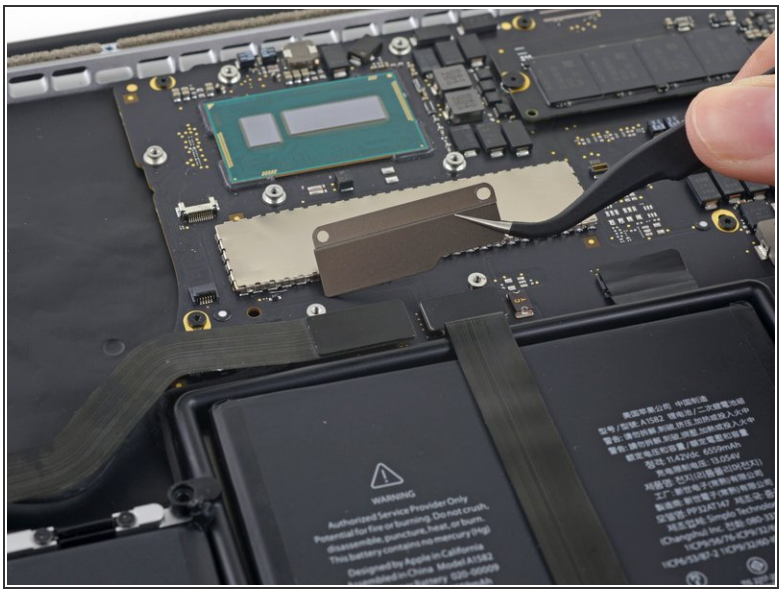
Step 4 — Disconnect I/O board cable





- One of the screws holding the top shell of the fan assembly is hidden just behind the I/O board cable.
  - Remove the two 2.1 mm T5 Torx screws securing the I/O board cable bracket to the logic board.
  - Remove the I/O board cable bracket.

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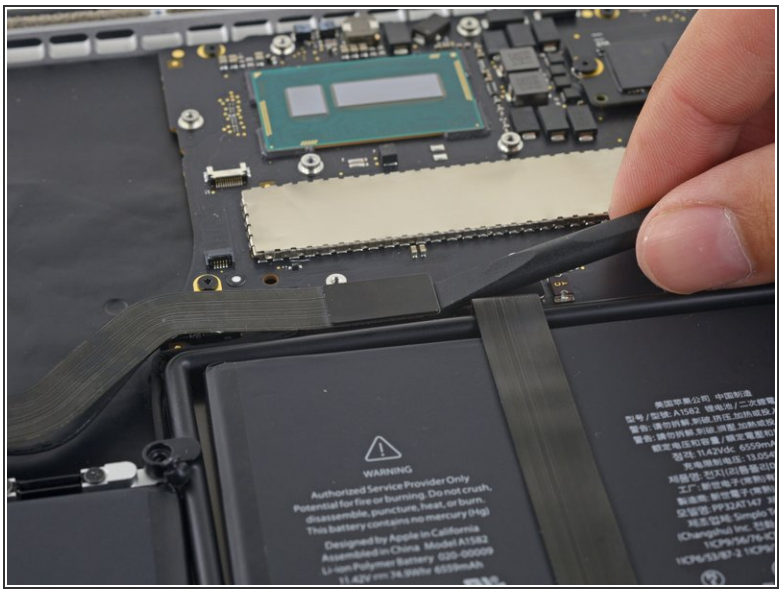
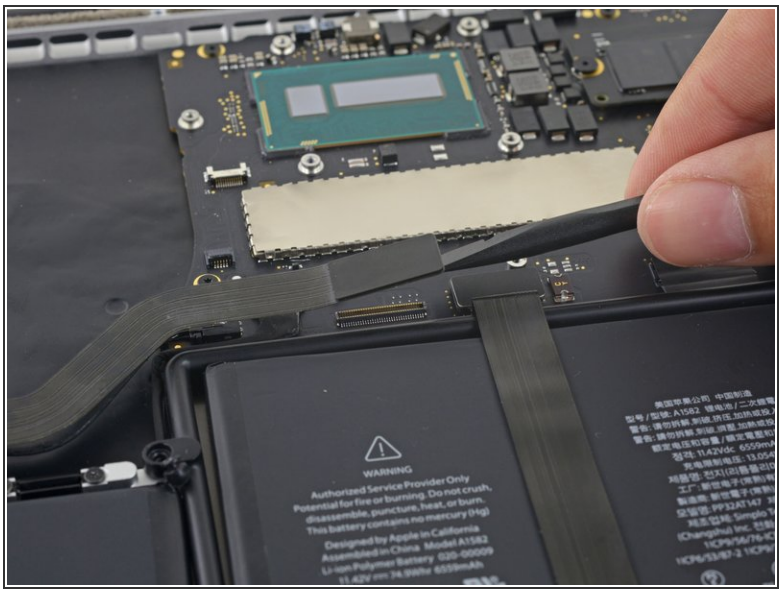
Step 5





- Use the flat end of a spudger to pop the I/O board connector straight up off its socket on the logic board.

⚠ Be careful to only pry up on the I/O board cable, **not** on the socket itself or you risk damaging your logic board.

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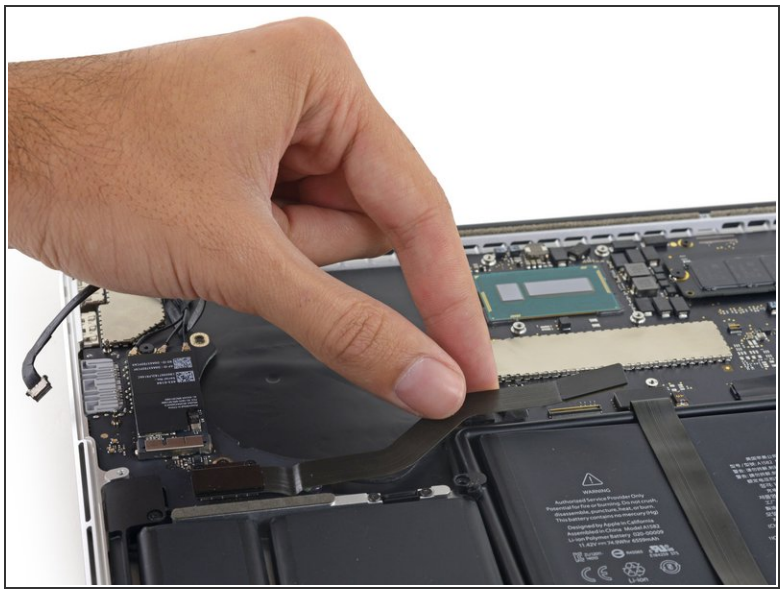
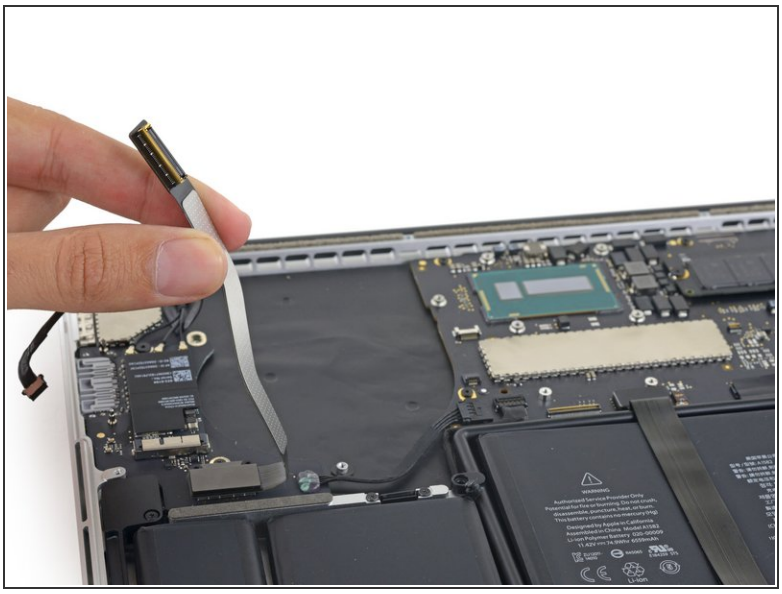
Step 6

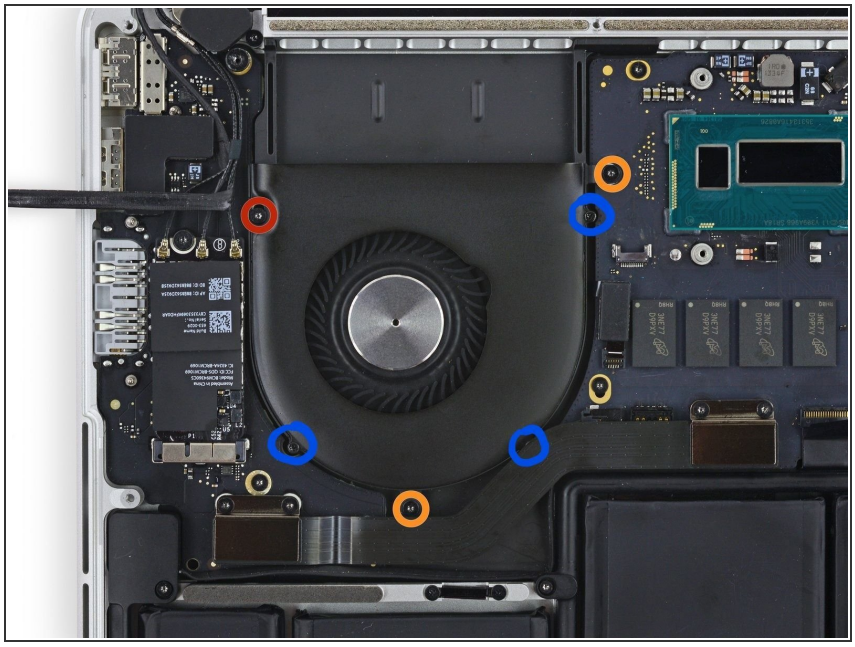




- Lift the logic board end of the I/O board cable straight up to bend it out of the way.

⚠ To avoid damage to the cable, fold only at the bend in the I/O board end of the cable. It will only be in the way momentarily, so don't try forcing it to stay.

Step 7



- Remove the following screws securing the fan assembly cover to the rest of the assembly:
  - One 5.0 mm T5 Torx screw.
    - ⓘ This screw holds the upper case, main fan assembly, and fan assembly together, and so must be removed.
  - 3 Phillips #000 screws.

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The bottom right screw is just under the I/O board cable, and will be visible after it has been lifted out of the way.

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

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