MacBook Pro 15" Unibody 2.53 GHz Mid 2009 Hard Drive/IR Sensor Cable Replacement

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INTRODUCTION

The hard drive cable also contains the IR sensor/sleep indicator.

TOOLS:

- P6 Pentalobe Screwdriver 2009 MacBook Pro Battery (1)
- Phillips #00 Screwdriver (1)
- Spudger (1)

PARTS:

- MacBook Pro 15" Unibody (Mid 2009 to Late 2011) Hard Drive Cable (1)

Step 1 — Lower Case

- Remove the following ten screws securing the lower case to the upper case:
  - Seven 3 mm Phillips screws.
  - Three 13.5 mm Phillips screws.

Step 2

- Using both hands, lift the lower case near the vent to pop it off two clips securing it to the upper case.
- Remove the lower case and set it aside.

Step 3 — Battery

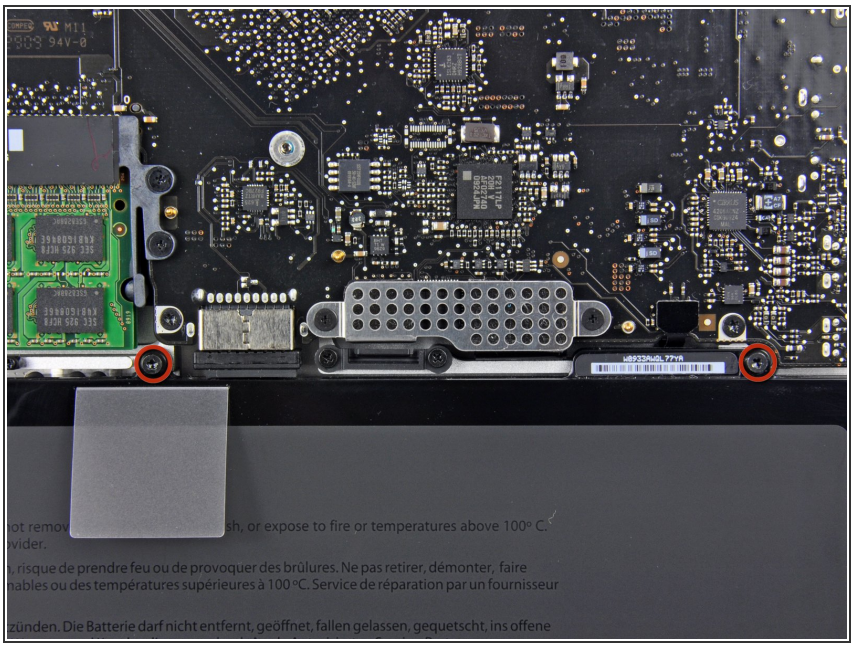
- Three Pentalobe screws secure the battery to the upper case. They can be removed with this special driver.

If you don't have a Pentalobe driver, a 1.5 mm flathead screwdriver can be used in a pinch. Be sure the head of your flathead screwdriver fits snugly across two of the five "points" of the screw head before trying to break the screw free, as a loose fit will easily strip the screw head.

If the head of your screwdriver fits too loosely, find a bigger bit and file it down until it fits snugly before proceeding.

You do not necessarily have to follow steps 3-7 to remove the battery in order to replace the hard drive. However, it is recommended to remove all power sources from electronics before working on them.

Step 4



- Remove the two exposed five-point Pentalobe screws along the top edge of the battery.

Step 5

- Use the tip of a spudger to bend back the finger of the "Warning: Do not remove the battery" sticker while you remove the five-point Pentalobe screw hidden underneath.

Step 6

- Lift the battery by its plastic pull tab and slide it away from the long edge of the upper case.

⚠ Do not try to completely remove the battery just yet.

Step 7

- Tilt the battery back enough to access the battery cable connector.
- Pull the battery cable connector away from its socket on the logic board and remove the battery from the upper case.

If you're installing a new battery, you should calibrate it as soon as possible.

Step 8 — Hard Drive

- Remove two Phillips screws securing the hard drive bracket to the upper case.

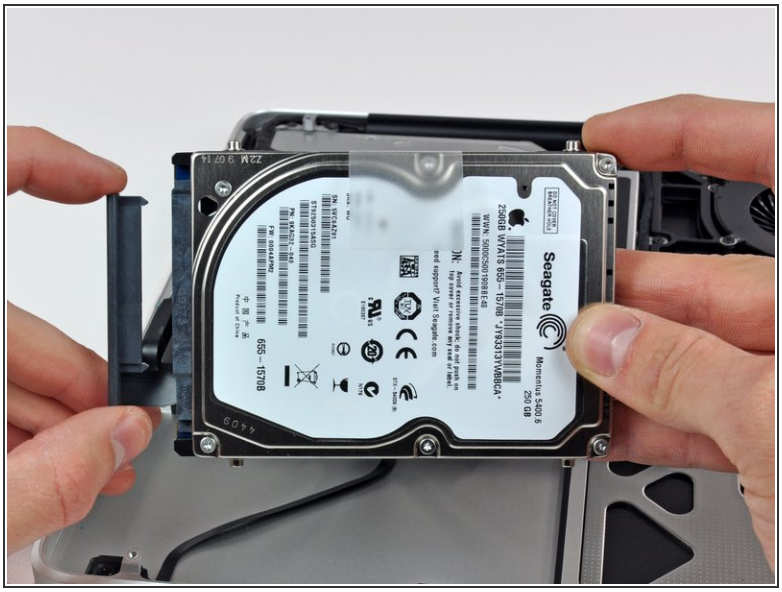
These screws are captive to the hard drive bracket.

- Lift the the retaining bracket out of the upper case.

Step 9

- Lift the hard drive by its pull tab and pull it out of the chassis, minding the cable attaching it to the computer.

Step 10



- Remove the hard drive cable by pulling its connector straight away from the hard drive.

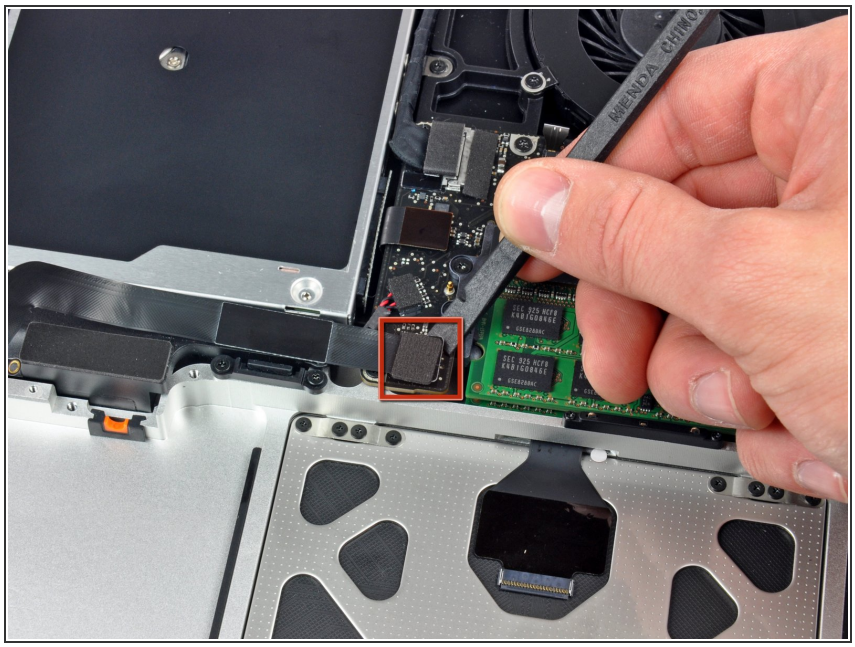
Step 11 — Hard Drive/IR Sensor Cable

- Remove the following four screws securing the hard drive and IR sensor cable to the upper case:
  - Two 1.5 mm Phillips screws.
  - Two 4 mm Phillips screws.

Step 12

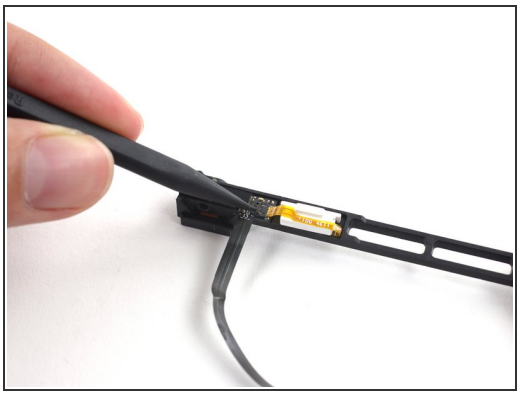
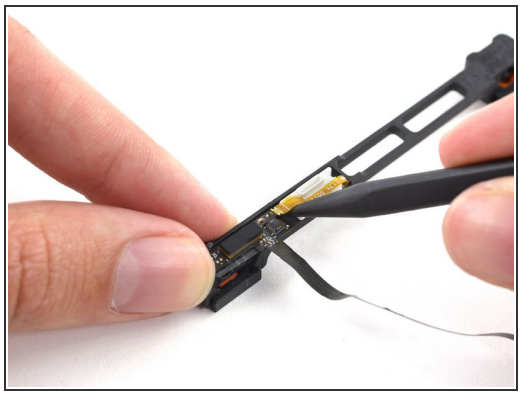
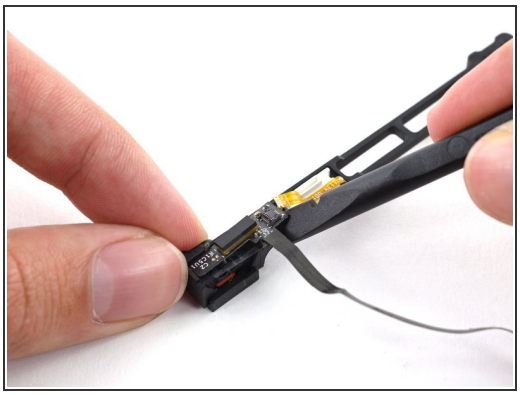
- Slide the hard drive and IR sensor bracket away from the edge of the upper case.
- Carefully peel the hard drive and IR sensor cable from the upper case.

Step 13



- Use the flat end of a spudger to pry the hard drive cable connector up off the logic board.
- Lift the hard drive and IR sensor assembly out of the upper case.

Step 14

Your replacement part may or may not come with the front (sensor) bracket. If it does not, you'll need to transfer it to your new cable.

- Use the tip of a spudger to flip the ZIF connector on the hard drive cable.
- Gently pull the sensor bracket cable out of the ZIF connector.
- Use the flat end of a spudger to pry the hard drive cable up off the sensor bracket.

Remove the adhesive backing from your new hard drive cable, stick it onto the sensor bracket, and connect the sensor bracket cable.

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