



Dell Inspiron 17R-N7110 DC Power Jack Replacement

If your laptop's DC power jack is damaged or faulty, this guide will show you how to remove and replace it.

Written By: Emily Cone



INTRODUCTION

This guide will walk you through removing and replacing your Dell Inspiron 17R-N7110 DC power jack. You will be handling delicate electronic components during this process, so be sure to wear the anti-static wrist strap for the entirety of the replacement. You should also be aware that the screen is very heavy on this device, so you need to be careful to support it in order to keep the laptop from falling over.

TOOLS:

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

Step 1 — Battery



⚠ Do not touch any electronic components without wearing the anti-static wrist strap. Failure to do so poses a risk of static electric shock, and may cause damage to components.

- Place the laptop on a flat surface with the Dell logo upside down.
- Flip the laptop over. The battery will be in the top center.


Step 2




- Slide both the left lock and right lock, towards the center of the battery.
- Push upwards on the grip on the bottom of the battery to remove it.

Step 3 — Keyboard

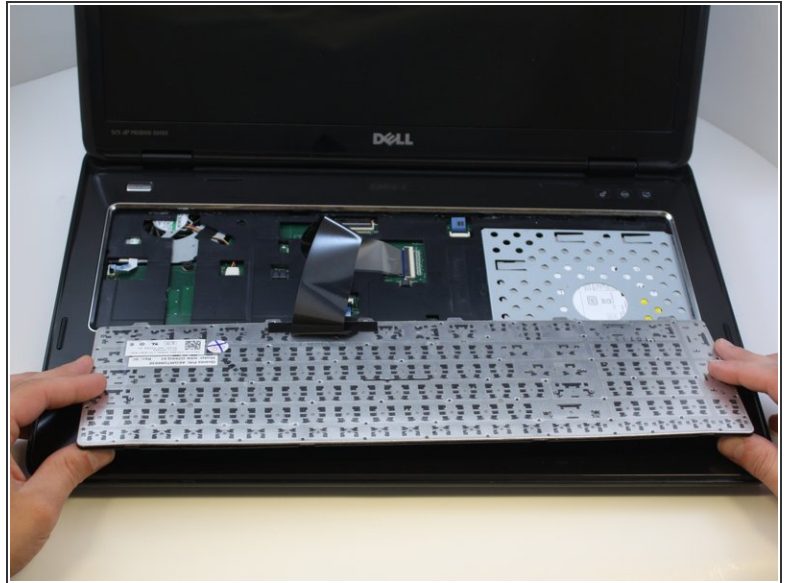
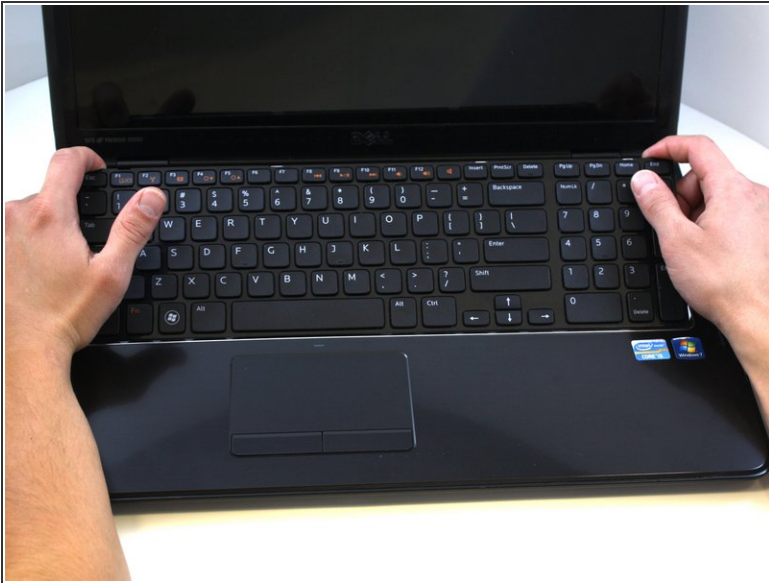


 Do not pull the keyboard away from the laptop. The keyboard is connected to the motherboard by a cable. Pulling the keyboard may cause damage to the keyboard and/or motherboard.

 Metal spudgers and similar prying tools can damage internal components like the motherboard. It is ideal to use a regular black nylon spudger or a plastic opening tool, but for this device the metal jimmy was the only tool to work.

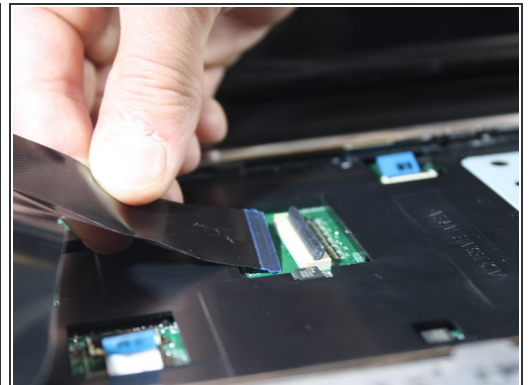
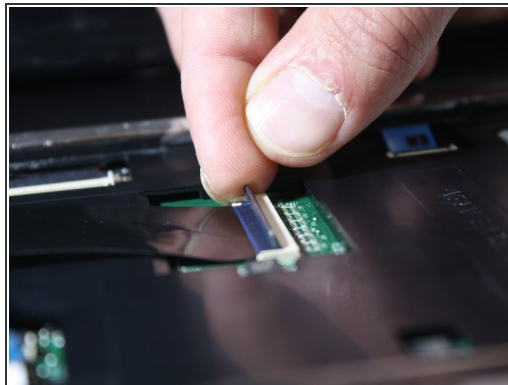
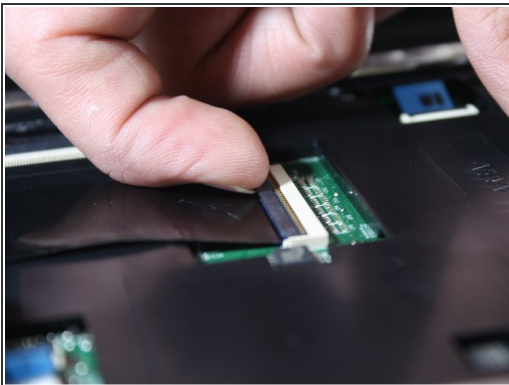
- Flip over and open your device. Gently wedge the metal Jimmy into the rightmost hole at a 45-degree angle. Make sure that the Jimmy is between the silver metal portion of the keyboard and the silver plastic edge around the keyboard.
- Tilt the metal jimmy away from you to pry up the edge of the keyboard.
- Repeat the previous actions on each of the other three holes to release the keyboard.

Step 4



- Gently flip the keyboard over and lay it on the touchpad area.

Step 5



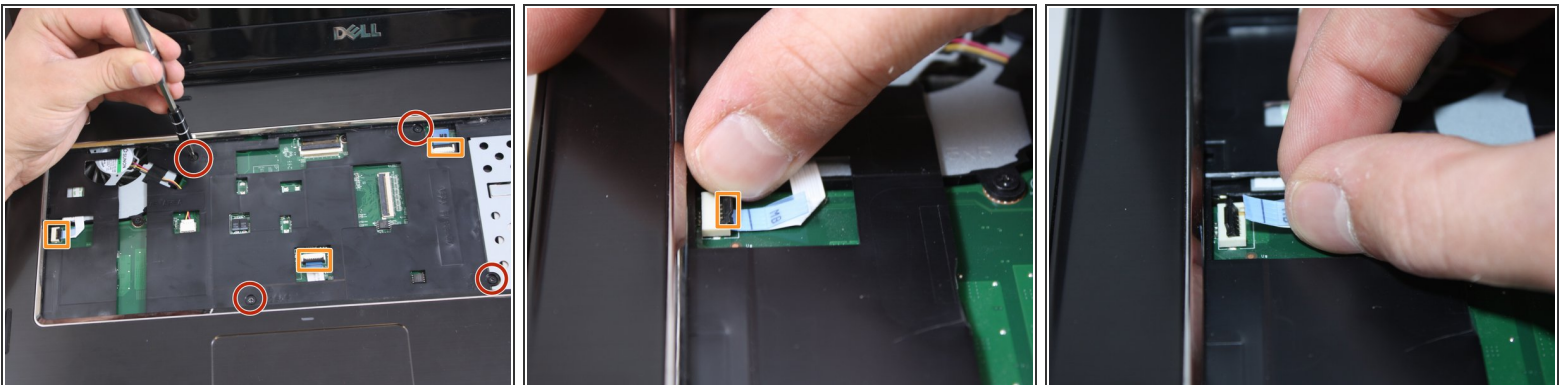
- Flip up the black flap where the keyboard cable connects to the motherboard
- Gently pull the cable away from the slot to release the keyboard.
- Remove the keyboard from the device.

Step 6 — DC Power Jack



- Use a Phillips #0 screwdriver to unscrew the 5mm screws from the bottom. There are a total of 15 screws.
- Flip the laptop over.


Step 7



- Use a Phillips #0 screwdriver to unscrew the four 5mm screws from the palmrest.
- Flip up the black flap over the first cable.
- Gently pull the cable away from the tab to remove it.
- Repeat for the other two cables pictured.

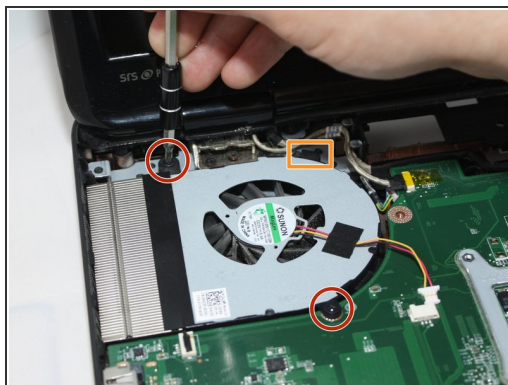
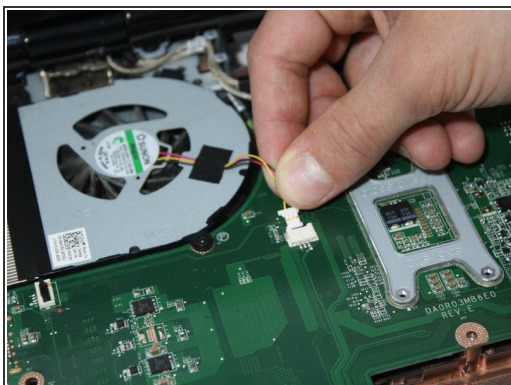
Step 8



 Do not proceed without holding the laptop screen/lid for support. The screen is very heavy and may cause the device to fall if not held and supported.

- Use a plastic opening tool to pry up the edges of the palmrest cover.
- Gently lift up the palmrest cover.

Step 9



- Gently pull the cooling fan cable horizontally to unplug it.
- Use a Phillips #0 screwdriver to remove the two 5mm screws from the cooling fan.
- Lift the top right corner of the fan and pull up and to the right.

Step 10



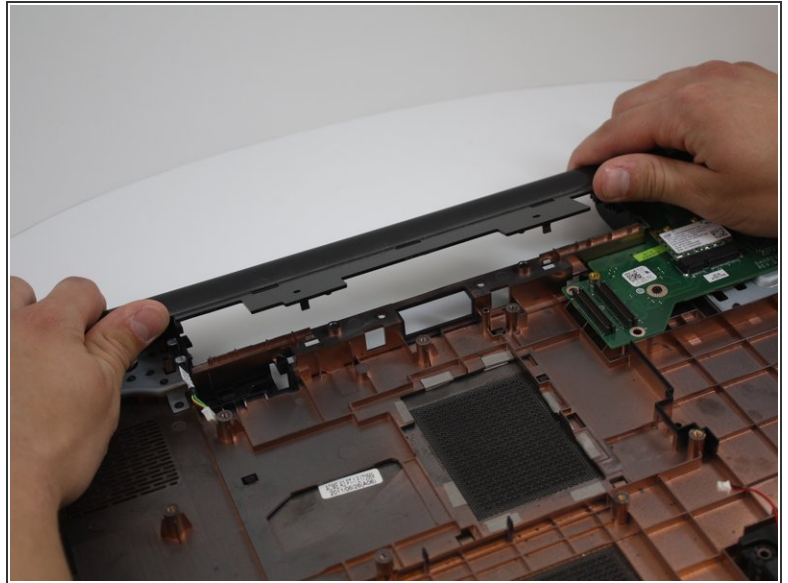
- Flip up the flap over the first cable pictured and then gently pull the cable to remove it.
- Use your finger to pull up the yellow tape and unplug the webcam cable.
- Unplug the DC power jack cable.

Step 11



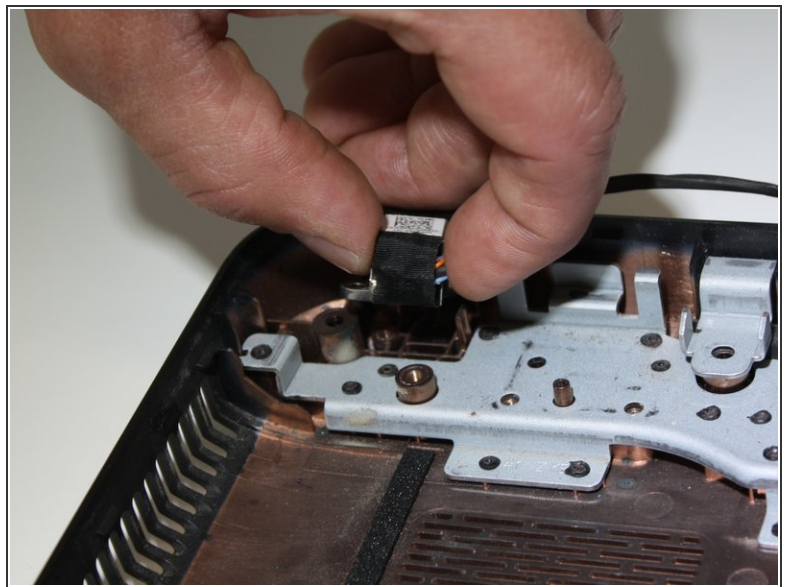
- Lift the two cables with the gold ends connected to the I/O board to disconnect them.
- Use a Phillips #0 screwdriver to unscrew the two 5mm screws from the right side of the screen base.
- Use a Phillips #0 screwdriver to unscrew the two 5mm screws from the left side of the screen base.

Step 12



- Gently hold the screen and pull it straight up to remove it.
- Pry the plastic backing that is under the screen upward with your fingers to remove it.

Step 13



- Use a Phillips #0 screwdriver to unscrew the 5mm screw from the DC power jack base.
- Pull the DC power jack cable towards you.

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