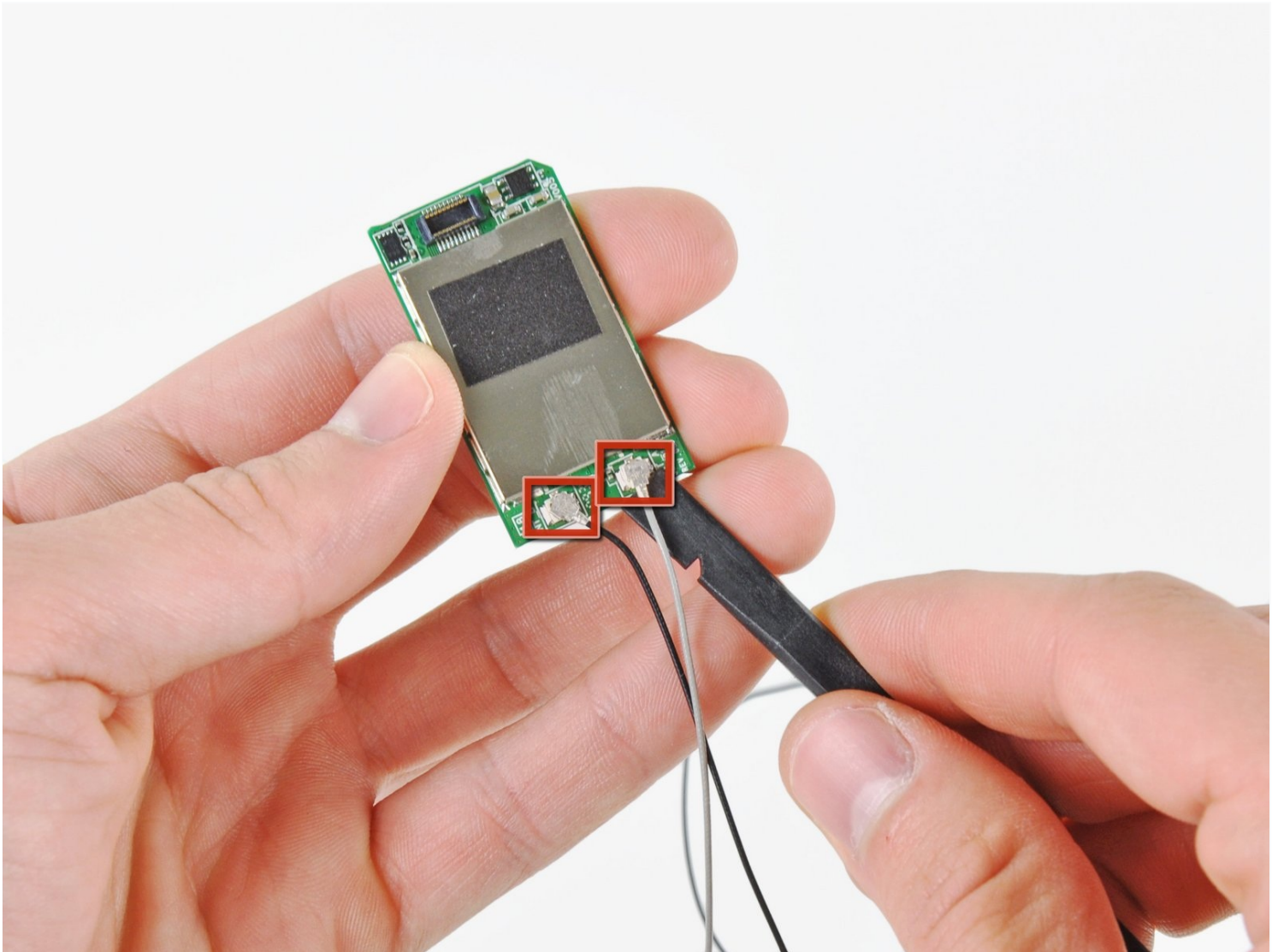




# Nintendo Wii Wi-Fi Antennas Replacement

Use this guide to replace the two antennas...

Written By: Andrew Bookholt



# INTRODUCTION

Use this guide to replace the two antennas responsible for providing Wi-Fi connectivity.

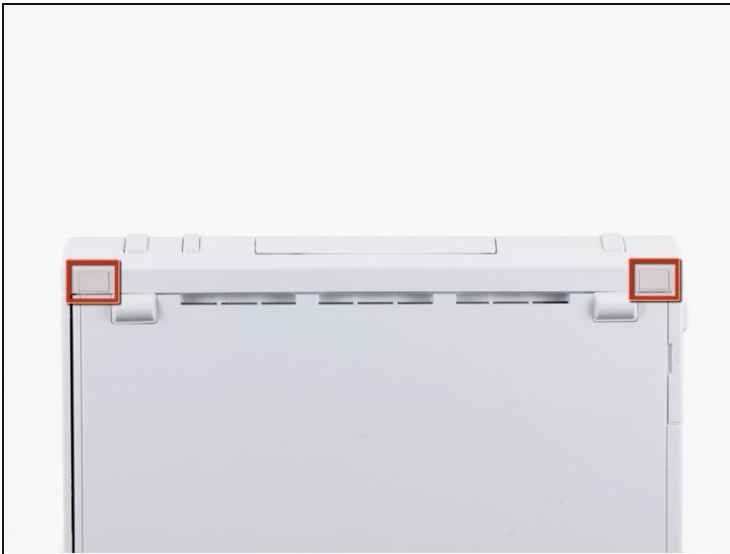
## TOOLS:

[Metal Spudger](#) (1)  
[Phillips #00 Screwdriver](#) (1)  
[Spudger](#) (1)  
[Tri-point Y1 Screwdriver](#) (1)  
[Tweezers](#) (1)

## PARTS:

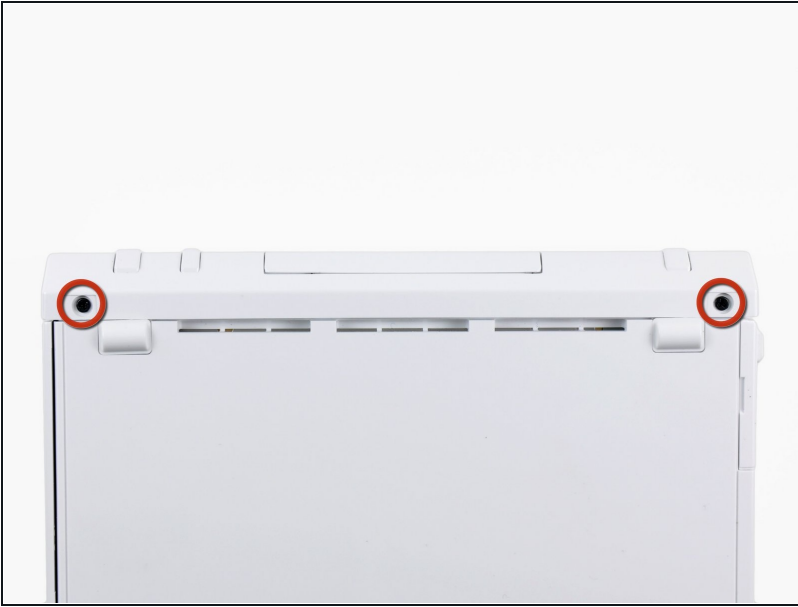
[Nintendo Wii Wi-Fi Antenna Set](#) (1)

### Step 1 — Faceplate



- Use a metal spudger to remove the white plastic screw covers stuck to the lower case near the front of the Wii.

## Step 2



- Remove the two 8.3 mm Tri-Wing screws hidden under the covers you just removed.

## Step 3



- Remove the single 5.9 mm Phillips screw under the controller port door nearest the faceplate.

## Step 4



- Use a metal spudger to remove the rubber foot stuck to the side of the Wii near the DVD drive opening.

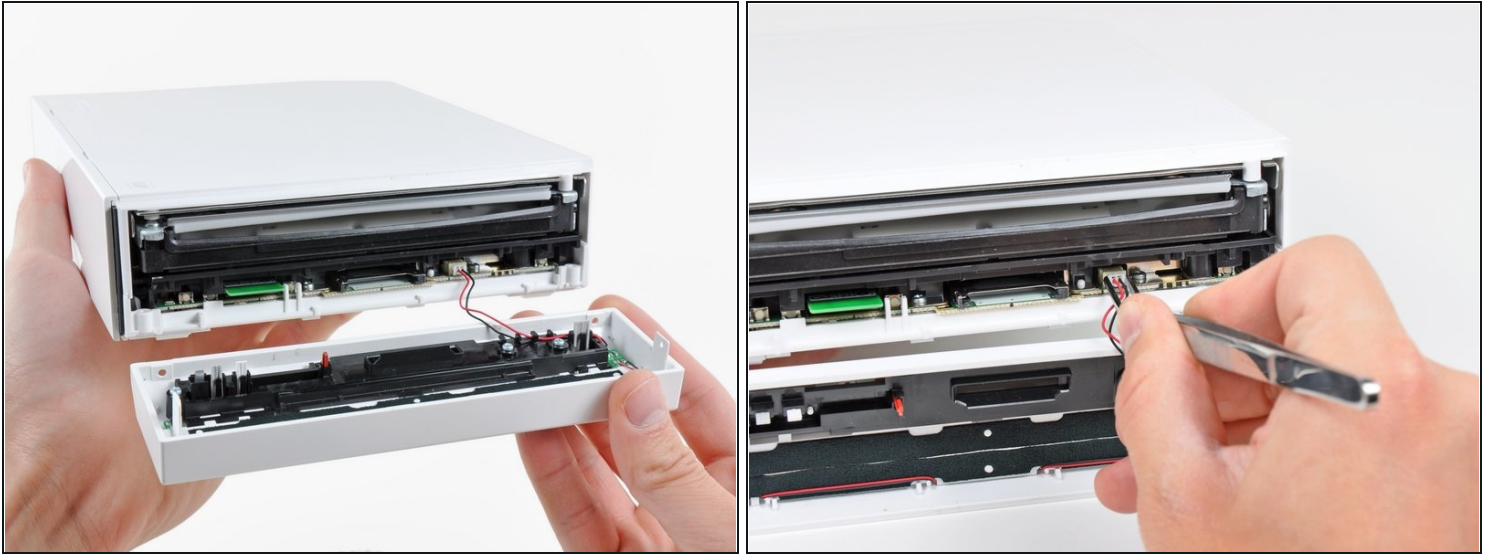
## Step 5



- Remove the single 5.9 mm Phillips screw hidden under the foot you just removed.



## Step 6



- Carefully pull the faceplate away from the front of the Wii.
- Use a pair of tweezers to disconnect the LED cable's plastic connector from the motherboard.
- Remove the faceplate.

## Step 7 — Outer Case



- Open the controller port cover until it is perpendicular to the black controller port bezel.
- Pull the controller port cover straight up to release it from the outer case.
- ① Repeat this procedure for the memory card port cover.

## Step 8



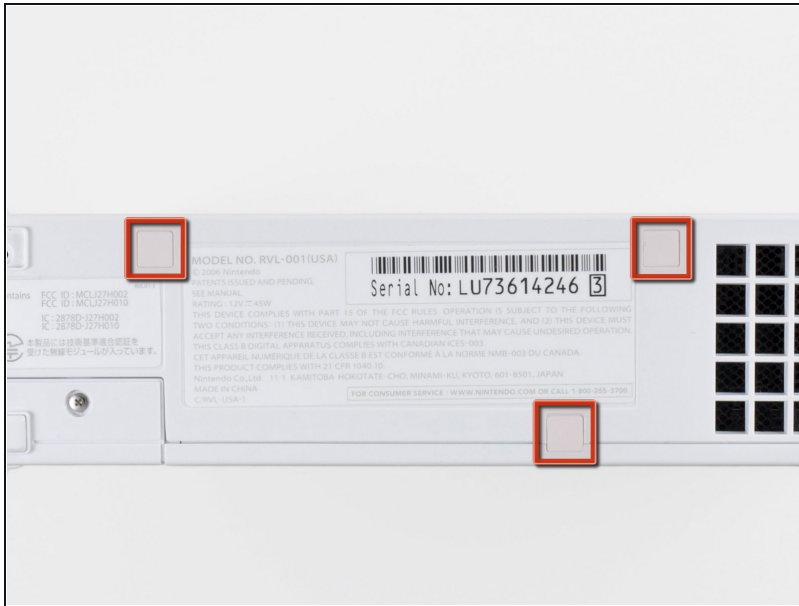
- Remove the two remaining 4.1 mm Phillips screws along the top edge of the black plastic controller port bezel.
- Lift the bezel from the long edge furthest away from the controller ports and remove it from the Wii.

## Step 9



- Remove the two 5 mm Phillips screws above the controller ports.

## Step 10



- Use a metal spudger to remove the three highlighted screw covers stuck to the side of the Wii.

## Step 11



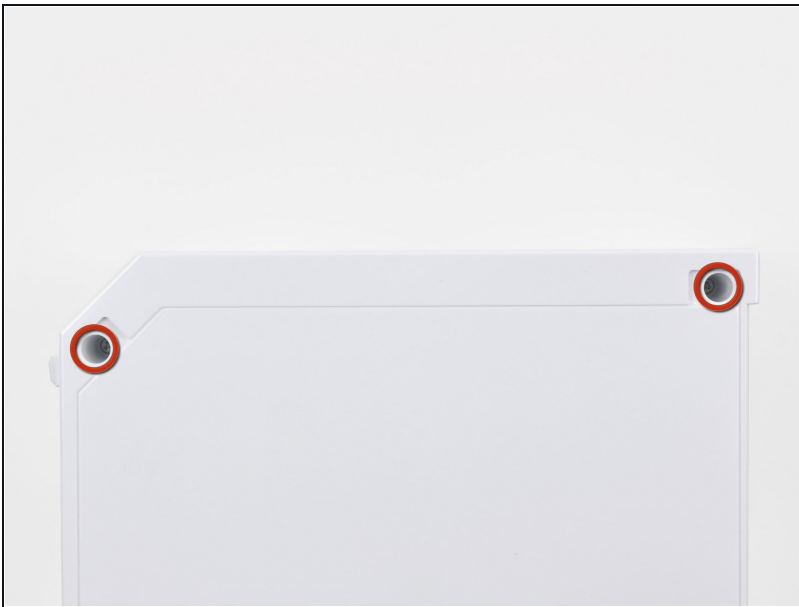
- Remove the following screws:
  - Two 5 mm Phillips screws
  - One 8.2 mm Tri-Wing screw

## Step 12



- Use a metal spudger to remove the two rubber feet stuck to the bottom face of the Wii near the rear ports.

## Step 13



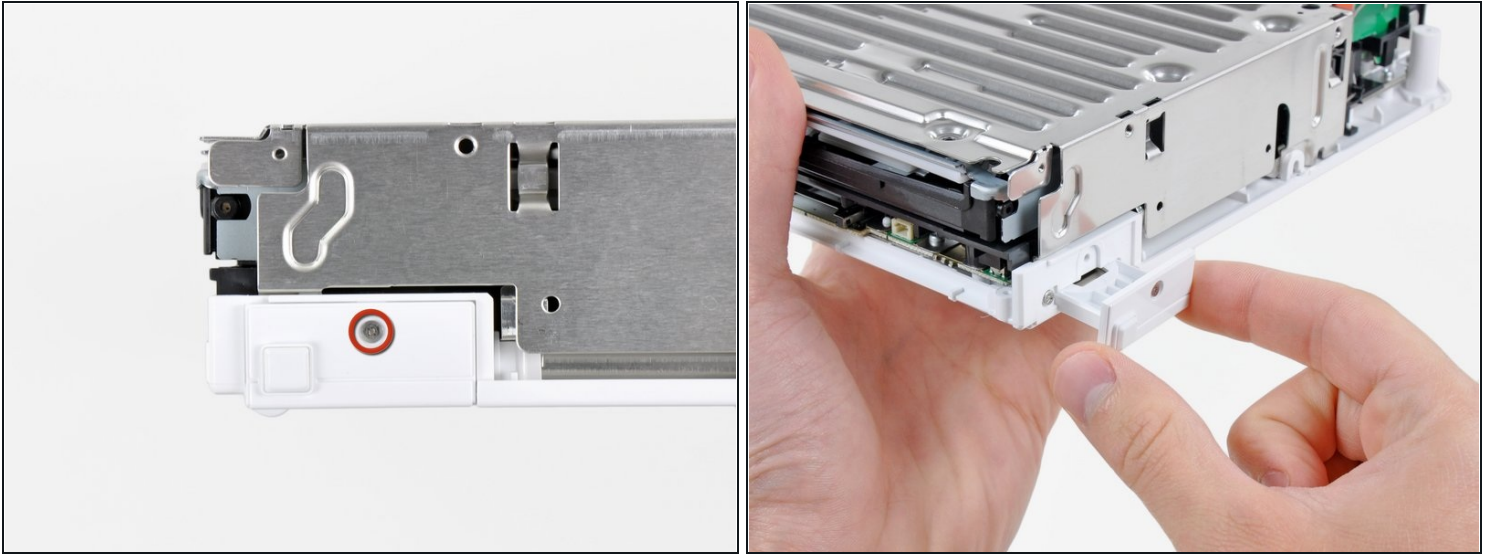
- Remove the two 8.2 mm Tri-Wing screws hidden under the feet you just removed.
- ① You may use a 4 mm hex driver to extend your bit into the recesses and reach the screws.

## Step 14



- Lift the outer case straight up off the body of the Wii.

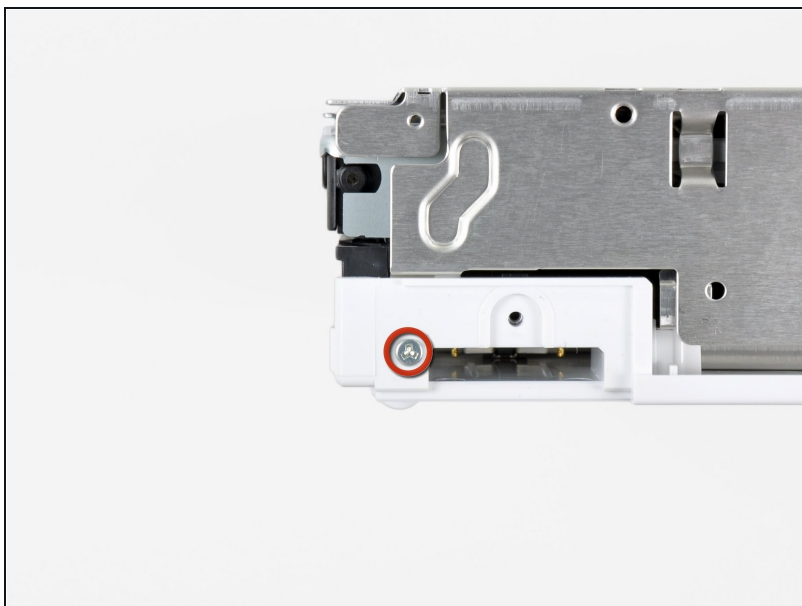
## Step 15 — DVD Drive



- Remove the small Phillips screw securing the battery door to the bottom panel.
- ⓘ This screw is captive to the battery door.
- Pull the battery door out of the Wii.
- ⓘ The system time will be reset once you remove the battery door.
- ⓘ This is a good time to change the CR2032 battery if it hasn't been changed recently.



## Step 16



- Remove the 8.2 mm Tri-Wing screw that was hidden beneath the battery door.

## Step 17



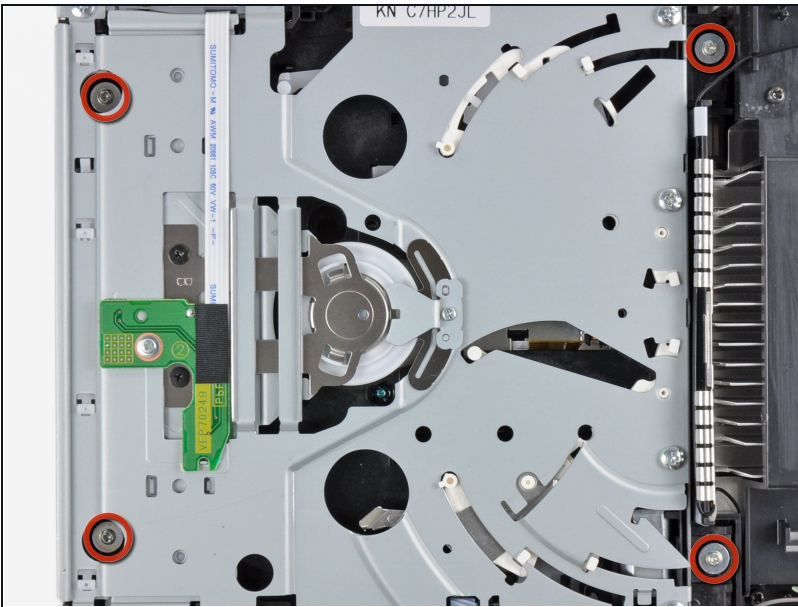
- Remove the two 8.2 mm Tri-Wing screws securing the DVD drive shield near the controller ports.

## Step 18



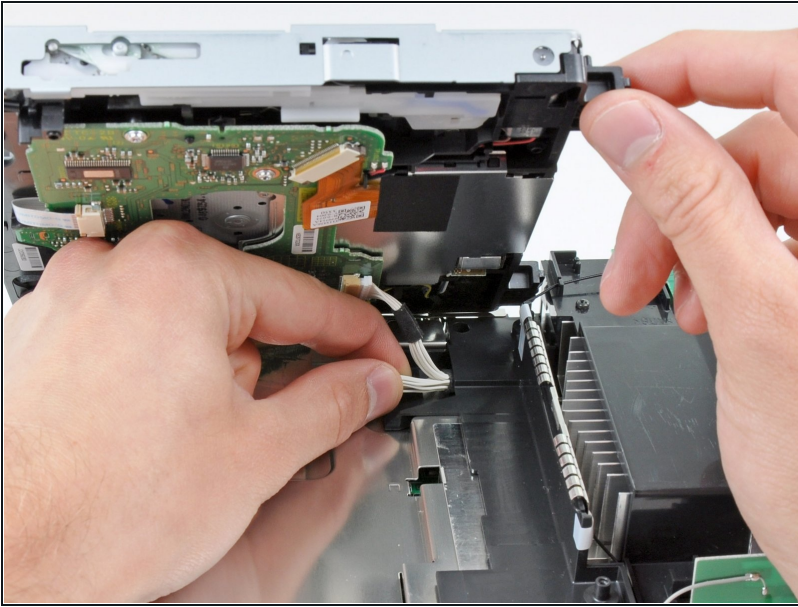
- Lift the DVD drive shield upward and remove it from the Wii.

## Step 19



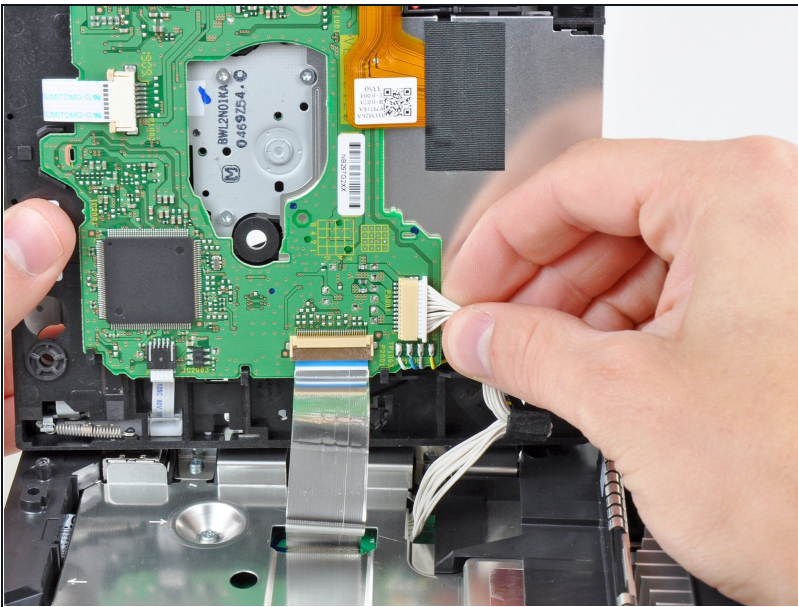
- Remove the four 9 mm #1 Phillips screws securing the DVD drive to the bottom panel.

## Step 20



- Lift the side of the DVD drive opposite the controller ports enough to access the cables on its bottom face.
- Carefully pull the DVD drive power cable out from under the plastic shroud near the heat sink.

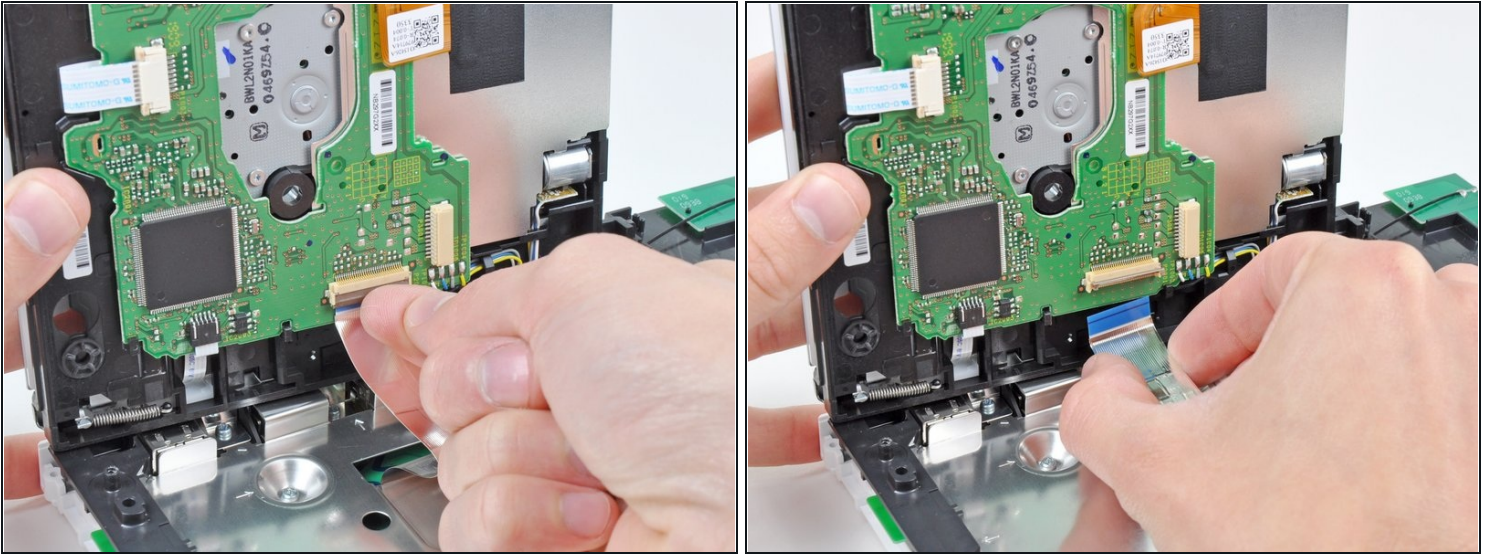
## Step 21



- Pull the DVD drive power cable away from its socket on the DVD drive.



## Step 22

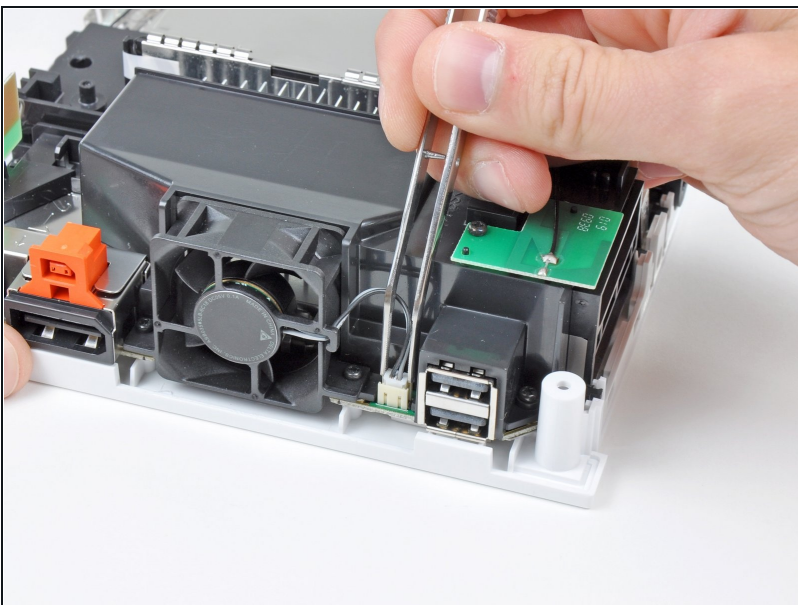


- Use your fingernail to flip up the retaining flap on the DVD drive ribbon cable socket.

⚠ Be sure you are prying up on the retaining flap, **not** the socket itself.

- Pull the DVD drive ribbon cable out of its socket.
- Remove the DVD drive from the Wii.

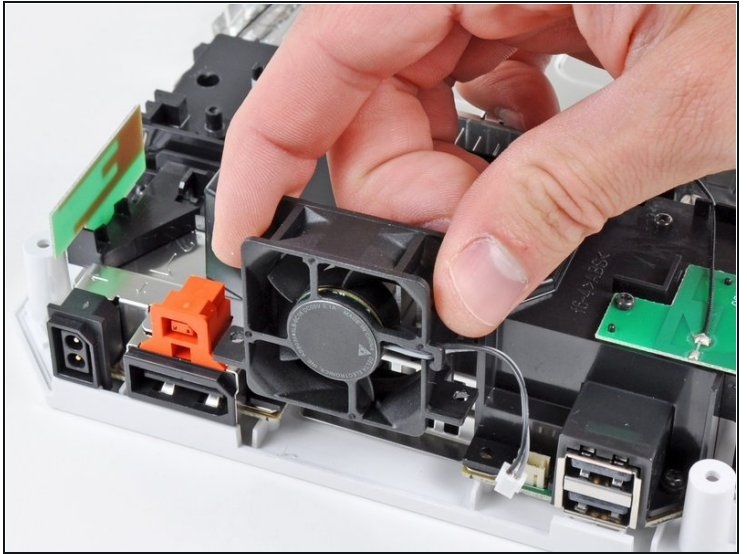
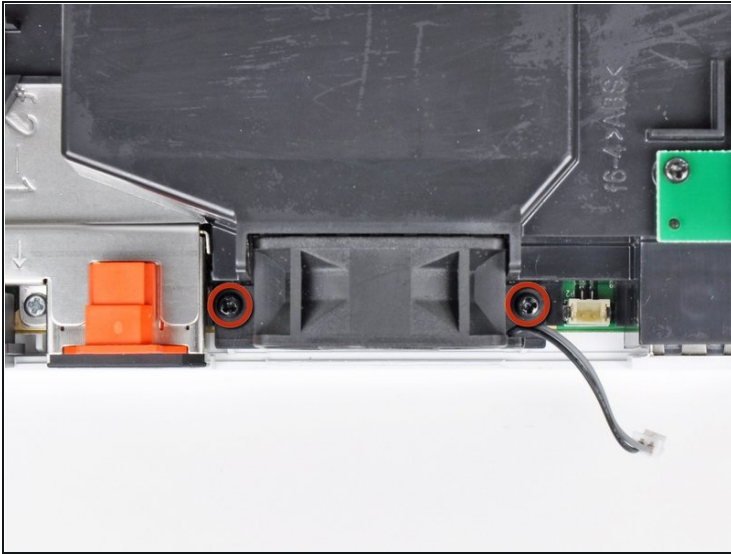
## Step 23 — Motherboard Cover



- Use a pair of tweezers to lift the fan connector up and out of its socket on the logic board.

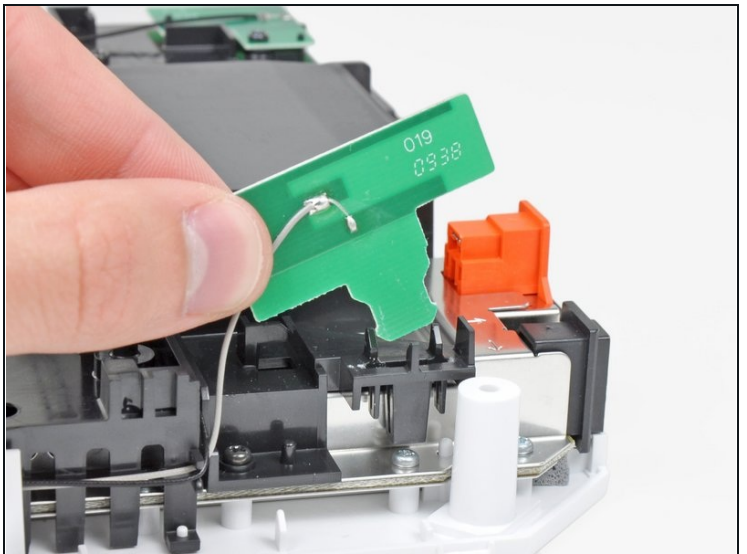
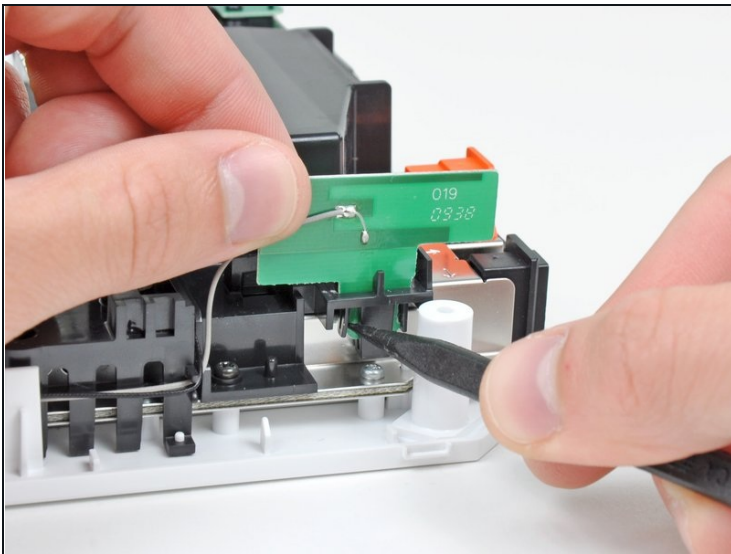
⚠ Be sure your tweezers are clamped down on the fan connector, **not** the socket on the motherboard.

## Step 24



- Remove the two 10 mm Phillips screws securing the fan to the fan shroud.
- Remove the fan from the Wii.

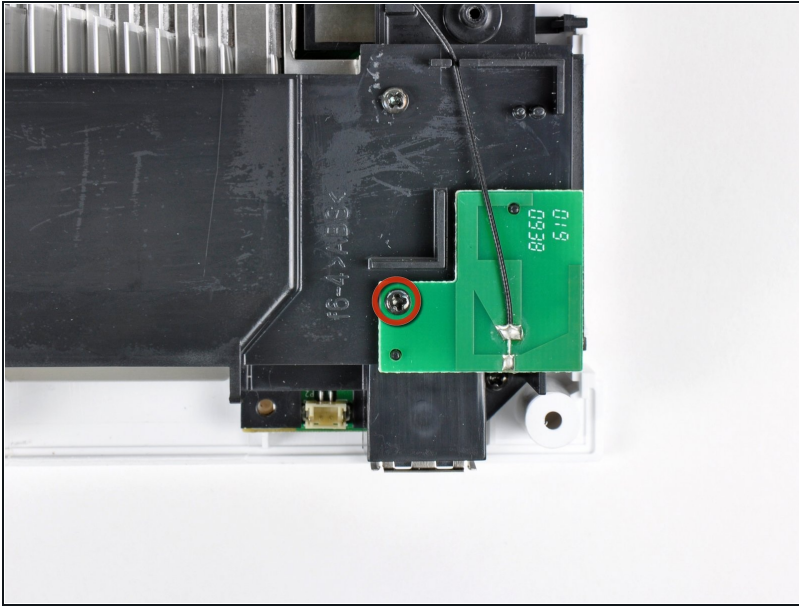
## Step 25



- Use the tip of a spudger or another fine-pointed tool to carefully pry one of the black plastic retaining fingers attached to the fan shroud away from the Wi-Fi antenna board.
- Lift the Wi-Fi antenna out of the fan shroud.

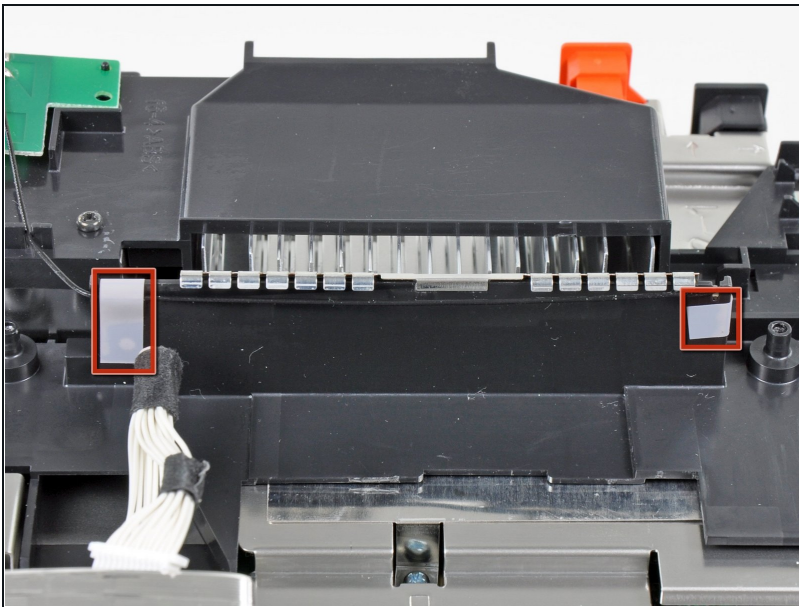


## Step 26



- Remove the single 10 mm Phillips screw securing the second Wi-Fi antenna to the top of the fan shroud.

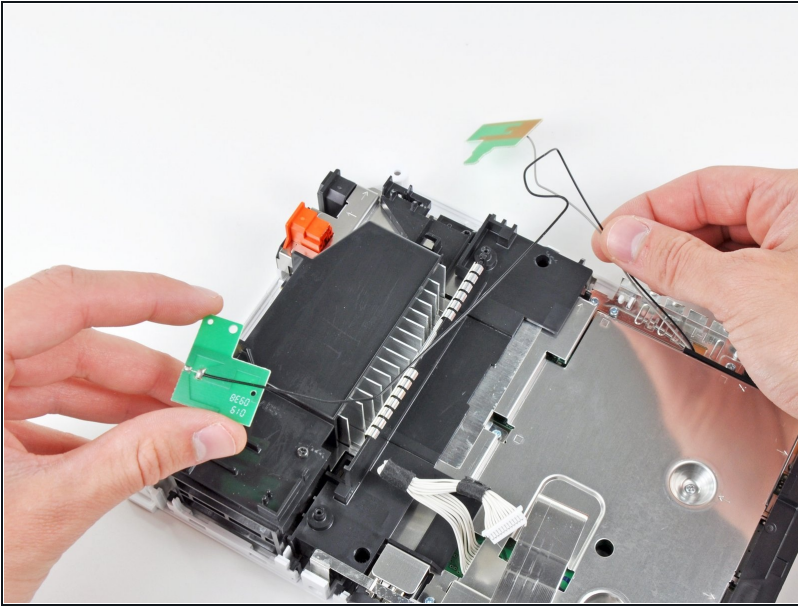
## Step 27



- Remove the two pieces of tape securing the second Wi-Fi antenna cable to the plastic bracket near the heat sink.

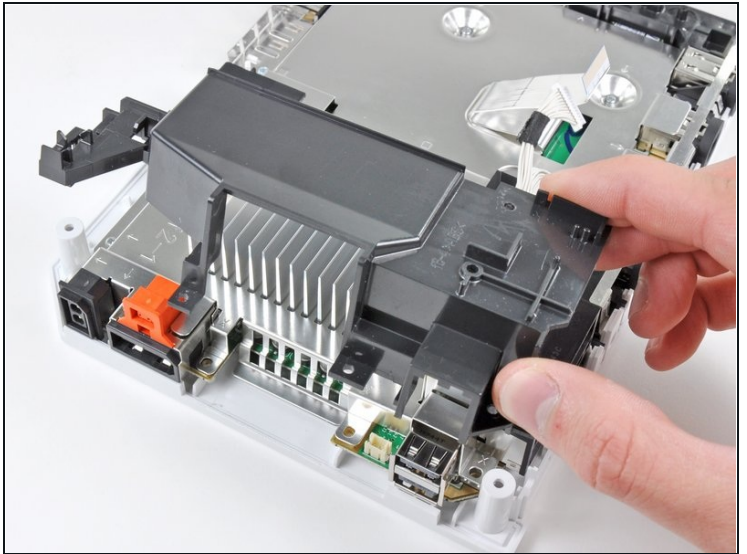
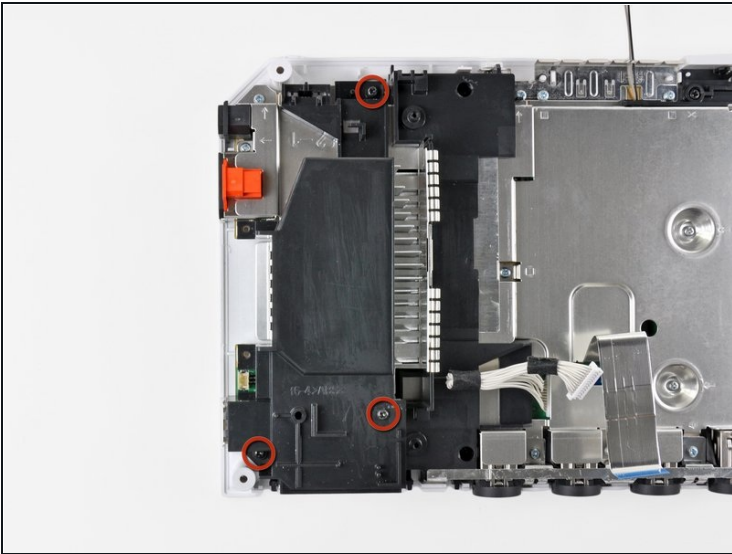


## Step 28



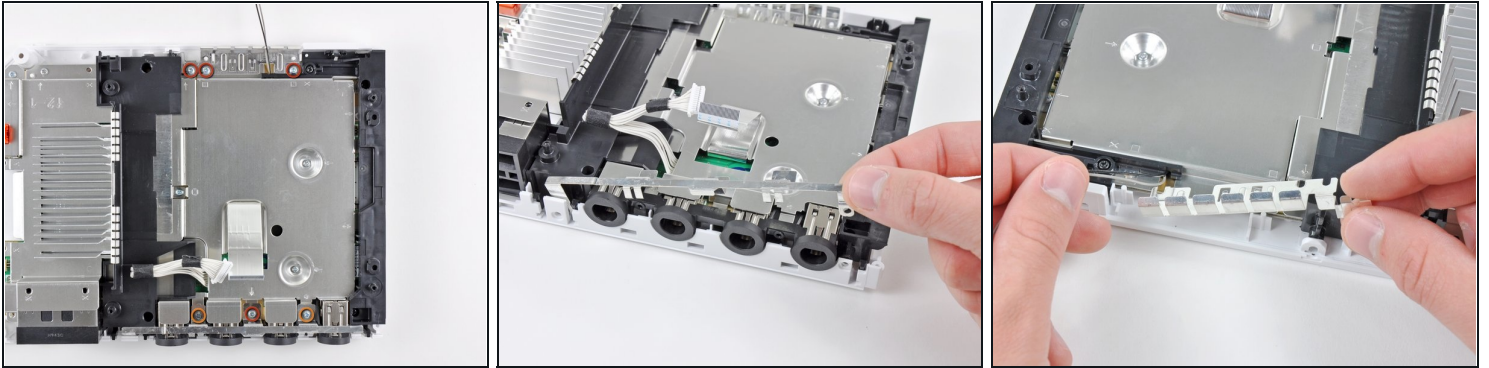
- Carefully de-route both antennas from the frame of the Wii and lay them aside.

## Step 29



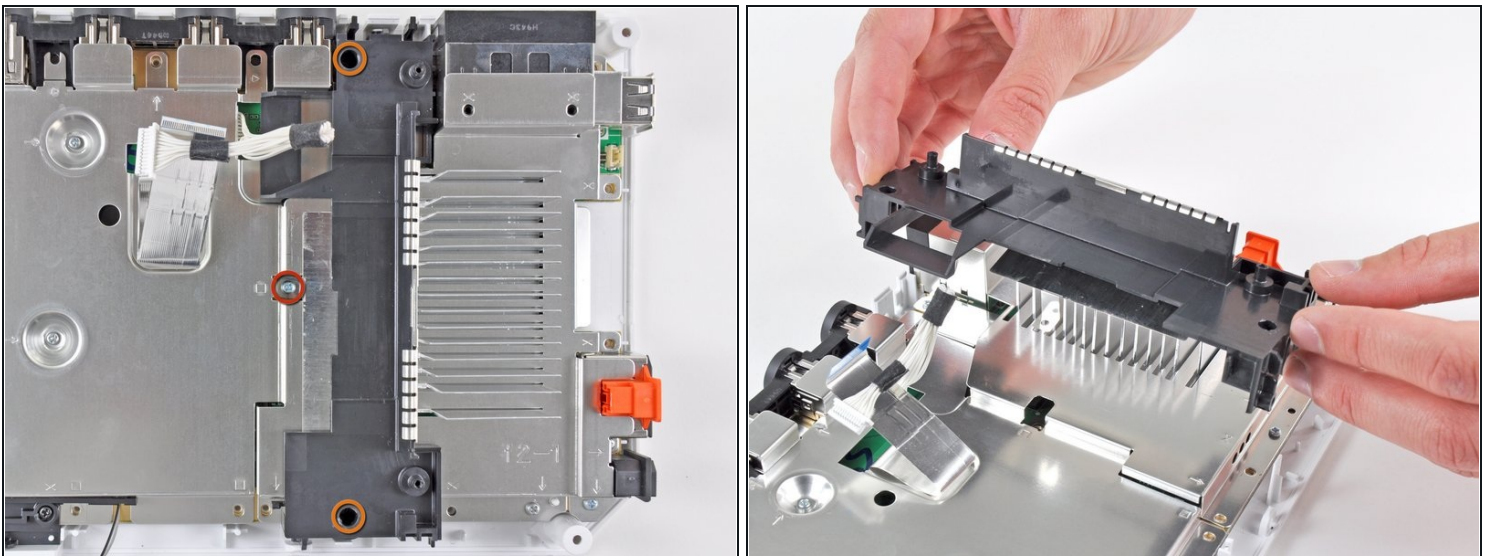
- Remove the three 10 mm Phillips screws securing the fan shroud to the Wii.
- Lift the fan shroud off the heat sink and remove it from the Wii.

## Step 30



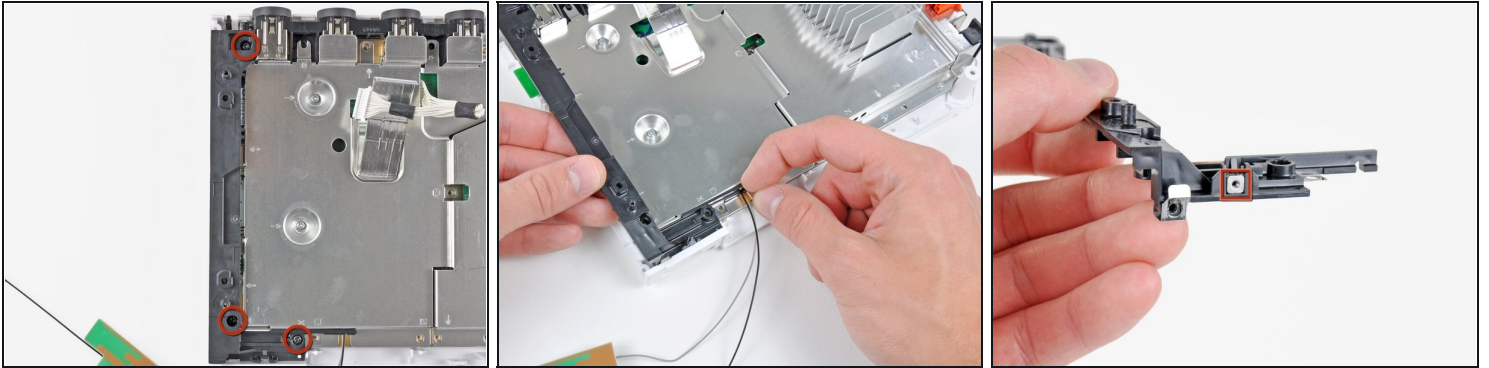
- Remove the following six screws securing the EMI fingers to the bottom panel:
  - Four 7 mm Phillips screws
  - Two 11.3 mm Phillips screws
- Remove both sets of EMI fingers from the Wii.

## Step 31



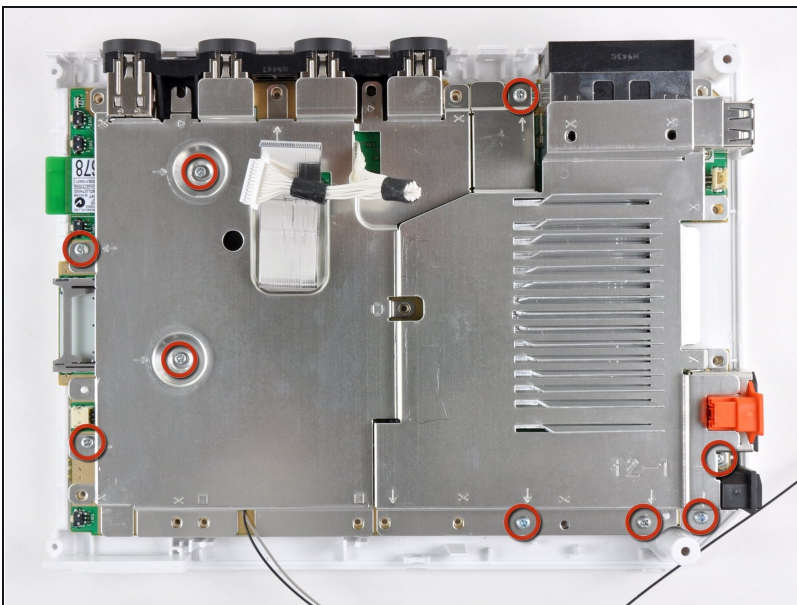
- Remove the following three screws:
  - One 7 mm Phillips screw
  - Two 10 mm Phillips screws
- Lift the bracket out of the Wii.

## Step 32



- Remove the three 10 mm Phillips screws securing the black bracket to the bottom panel near the front of the Wii.
  - Slightly lift the bracket and use your other hand to pull the retaining clip away from where the Wi-Fi antennas enter the motherboard shield.
  - Remove the bracket from the Wii.
- ⓘ Be sure not to lose the small square nut loosely held by the black plastic bracket.

## Step 33



- Remove the nine remaining 7 mm Phillips screws securing the motherboard cover to the bottom panel.

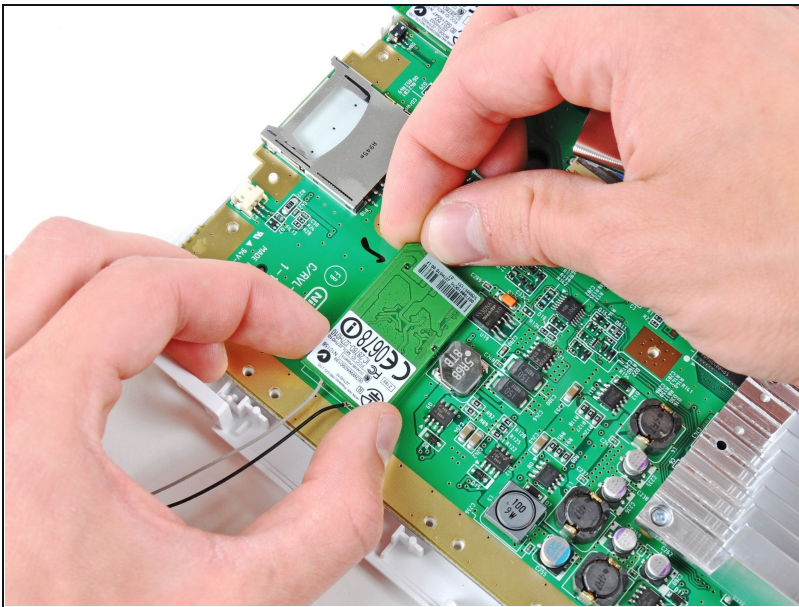


## Step 34



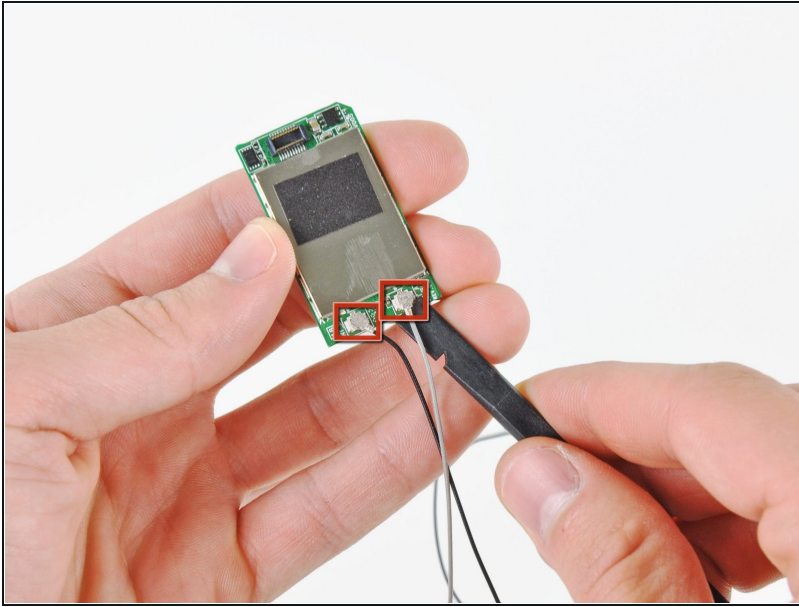
- Carefully lift the motherboard cover off the motherboard, minding any cables that may get caught.
- ★ On some models, a thermal pad for the wireless chip is attached to the underside of the motherboard cover. Be sure to replace it when reassembling.

## Step 35 — Wi-Fi Antennas



- Lift the side of the Wi-Fi board furthest away from the heat sink and lift it out of its socket on the motherboard, being careful not to put too much sideways force on the connector.

## Step 36



- Use the flat end of a spudger to pry both antenna connectors off their sockets on the Wi-Fi board.

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