

Installation instructions AutoPowerFold module V1.00

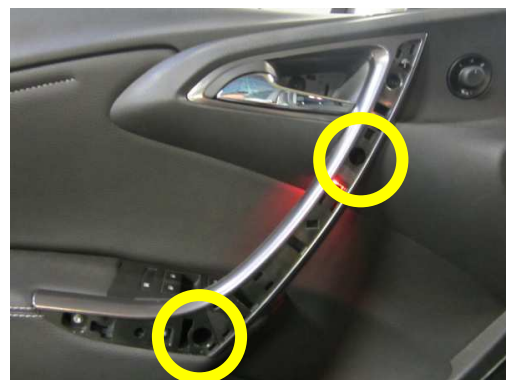
© 2014 Jens Neumann

Tools Required: APF module

Converted mirror switch
Soldering iron, solder
Screwdriver Torx 20
Fairing Removal Tool
Fabric tape or electrical tape
cutter

Step 1: Dismantling the door trim

To remove the door trim 2 plastic panels must be removed (red Arrows). A grab bar and one at the door opener. When the door opener can be very simply put a very small flathead screwdriver in the upper left corner and then pull it towards you. The aperture klippst then from itself. The panel sits on the door handle a little harder. Here it would be useful to put up or down the right, because the aperture of needs to be solved right. Far left them sitting in a guide and needs to right be drawn from this.

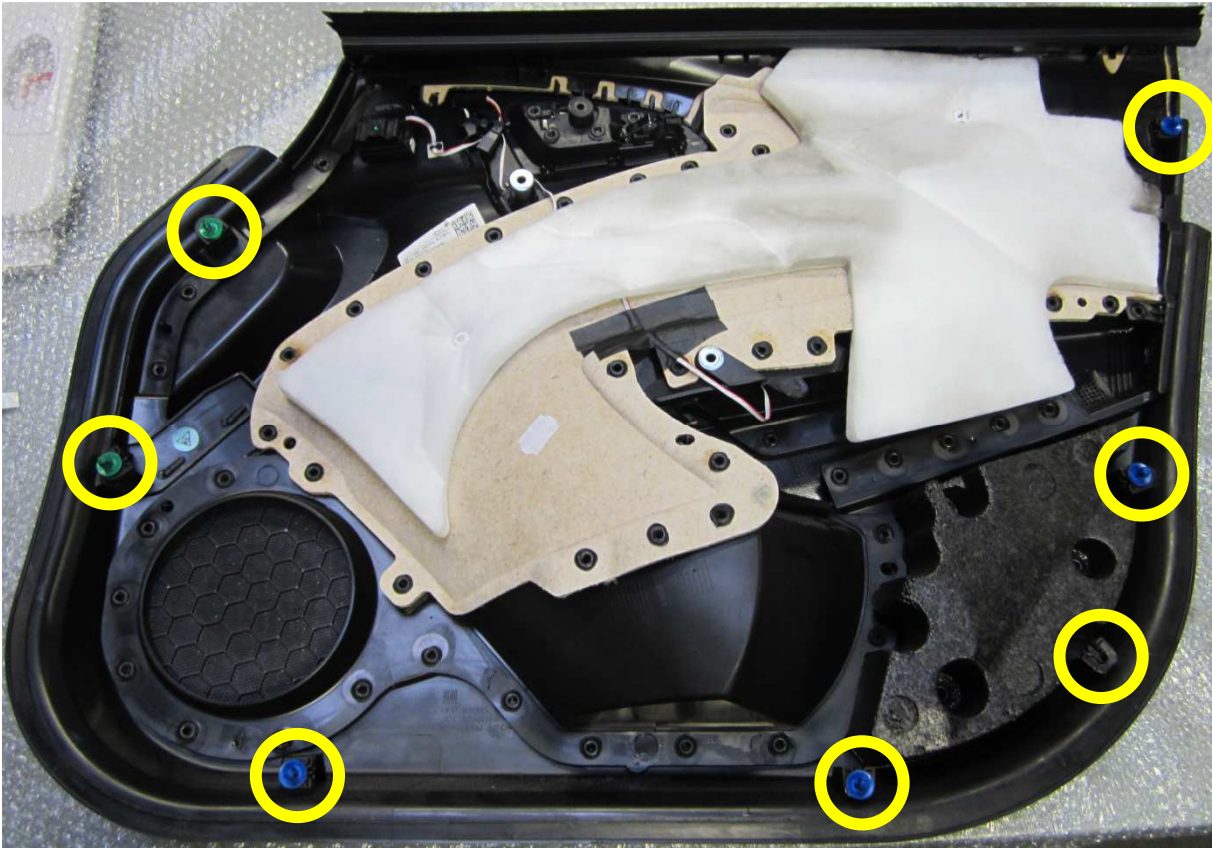


Now 3 screws must be removed (yellow circles).

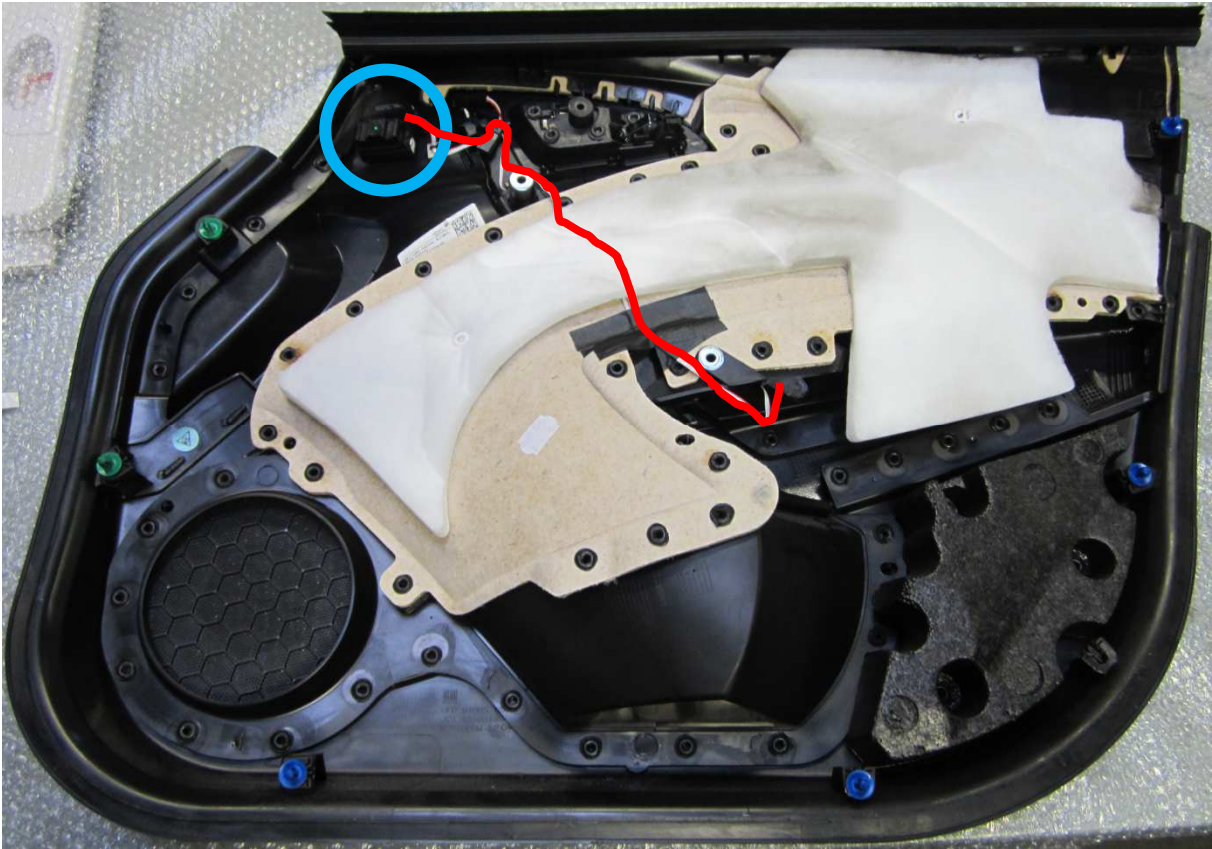
To be able to unscrew the bottom bolt must the panel of Expanded power window (on the right edge of the control panel upwards pull and then pull sideways to the right direction footwell). The attached there Unplug cable.

If you have done all this, the door trim must be removed. On the next photo you can clearly see where the door is located Clipse (yellow circles). When the very first time Sitting this yet been pretty. Here it would be better to work with special Plastic tool for panels to nothing damaging. It goes well with a fully insulated screwdriver. If all doors are the Clipse loose Door trim down a little pulled off the door and push it upward. This is above between the disc and door hooked plate.

Now you have even the cable for the door ambient lighting, the Bowden cable for the Door opener and the plug of the mirror switch will be deducted.



Step 2: Installation of the modified mirror switch



Blue circle: Here sits the mirror switch, this simply unclip and by the replace modified. The cable along the red line and a bit embarrassed with Attach fabric tape. The cable is then on the window panel come out.



Step 3: soldering the necessary lines

Now, the two signals must be "door open" and "close the door" to be tapped. For this purpose, the plastic tarp the door slightly release:



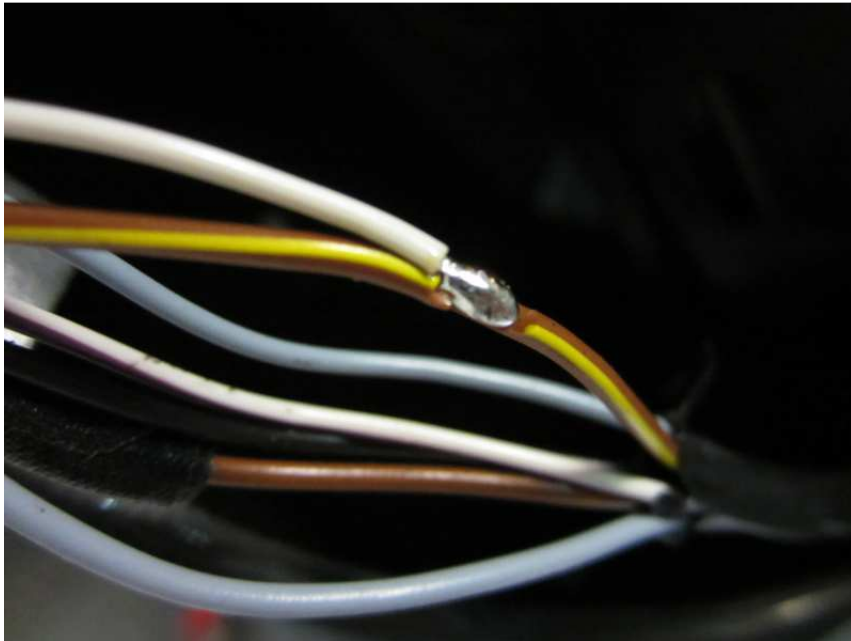
The conduit is required immediately behind the fold of the opening in the door (red arrow) and has about the course, which is represented by the red line. The cable is fastened with clips at this fold, the cable must be taken out and the Fabric tape are removed.



Of the 6 existing lines, the brown / yellow are 0.75mm² and 0.75mm² Grey required.

Here please be careful! There are 2 gray lines. The one has a cross-section of 0.5mm² and the other 0.75mm². Here, the line must be taken with the cross-section **0.75mm²** become!

I have a cutter carefully removed the insulation and soldered a wire.



The same you do then with the thick gray line.

I have here to the brown / yellow wire (open) a white line and thickness of the gray Line (close) a blue line soldered. The colors, which are soldered here Although not matter, but must therefore be mentioned to this in the further course here the manual can also assign.

After that, everything isolate beautiful with fabric tape. Here you can also see the orig. Clipse.



I have the two additional lines to the outer sheath of the Bowden cable of Door lock stuck and there led out of the film, so I no new Had to cut holes in the film.



The film re-glue on the door and the new lines to the cable Windows operating unit stick:



Now the door panel can be mounted again.

It should now be out of the slot of the windows operating unit following cables come out: 1 x blue wire 0,5mm² (door lock "close")

1 x white cable 0.5mm² (Door locks "open")

1 x black cable 3 core (mirror switch) with ready-connector (still in gray to see)

1 x orig. Windows lead

The white cable must be plugged on the new plug Pin4

The blue wire must be inserted on the new plug Pin5

Now it should look like this:



To the new connector now is the AutoPowerFold module plugged in. I put it in a little foam wrapped and enjoying in the tray under the windows operating unit plugged. Since it does not bother you and it may in some if necessary Remove seconds.



The integrated LED lights up after connecting the connector to 10 times.

If now on the remote control, for example, the "Close" key 1 is pressed, immediately lights the LED on, thus indicating the beginning of the time window of about 4 seconds which enables push on renewed the "close" button on the remote mirrors fold in. Spread the four seconds so the LED goes out again and the process must be started a new.