

How to replace micro switch on rear glass BMW E61

Fault indication: glass open by itself or is not possible to open at all.

1. Take away wiper (m8) and the big nut (24mm).
2. Release 2 nuts(m6) and take away the black plastic cover (on the inside). They are located below plastic a cup.

Now comes the tricky part...if the button is not possible to move it is corroded on the axis and you will have to use the Dremel-tool and cut the switch into pieces. This was my case.



3. Protect the glass and use the dremel-tool. Make a cut on both sides and bend/pull of the plastic part of the micro switch. Cut the cables. Don't cut in the glass...it will crack=expensive!



4. No comes the most tricky part. The metal washer is still on the axis...protect the glass and make a cut with the Dremel-tool. In my case I used tape and a piece of wood to protect the glass.



5. Be sure that the cut made by Dremel is all the way down and now use a flat screw driver to “open” the metal washer to take it off the axis.



6. Now release the last nut (black m6 nut on the backside of the glass) to take away the holder on the backside.



7. Now clean and add lithium fat to the wiper axis. Clean all parts.
8. Put all parts back. Done.

Reason to the problem:

Poor sealing between micro switch housing and glass plate. The water comes through the cable inlet according to red arrows below.



Micro switch housing is very sensitive for water. This type of switch is normally used in cheap indoor applications like a keyboard for a table calculator or a remote control. Poor quality as usual=BMW.

The new switch will last for maybe 4 years then it's broken again..a recommendation is to cover this switch when you wash the car to don't get water inside.