

# INSTALLATION GUIDE

## Replacement of the button wheels for BMW Fxx multifunction buttons - steering wheels

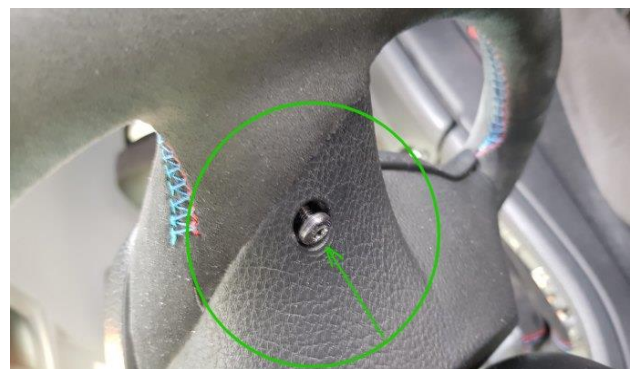


It happens very often that the key wheels of the multifunction steering wheel are worn out and no longer look nice. However, the switch unit is very expensive. With these

replacement key wheels, you can quickly and inexpensively upgrade the interior of your vehicle.

To replace the key-wheels, the switch units must be removed from the steering wheel. These are each screwed to the steering wheel with a screw (usually Torx T20) (for vehicles with control panels, see the next page).

After loosening the screw, you can pull the switch strip out to the front. However, this depends on the cable set from the steering wheel and it is therefore recommended that the airbag be released. This is very easy and it can be folded forward without unplugging.

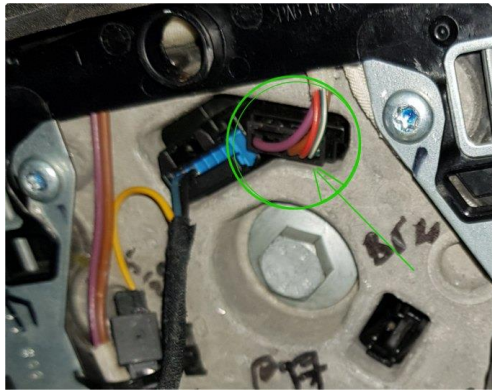


There is a small round opening under the steering wheel, into which e.g. with a small flat screwdriver. The airbag lock is located under the opening. By pushing up, the clasp with which the airbag is locked releases and you can fold it out to the front. Hold the screwdriver as vertically as possible so that the lock is caught.



*Note: Depending on the year of construction and model, the locking mechanism can be slightly different. For example, many steering wheel models have 2 locks on the side at the bottom. The principle is always the same.*

Here e.g. you can release the lock from the airbag on the side under the switch panels. This on both sides of the steering wheel.



So that you can take out the entire switch unit with the cable set, you have to unplug it. The cable set from the steering wheel buttons and that from the airbag have 2 separate plugs. Here on the photo the right one of the 2 plugs is the one for the switches (e.g. not necessary for the F25). Loosen it carefully. There is another connector on the right switch unit. Unplug this also. Be careful, otherwise it can break. There is a clip at the bottom of the connector. You can unlock the connector by pressing this clip.



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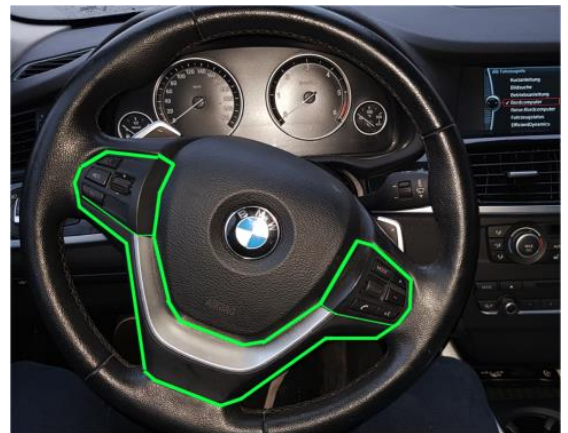
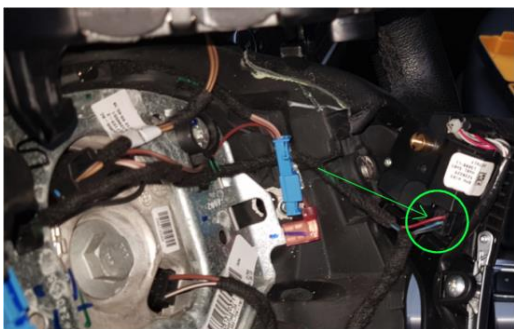
In vehicles with gear switch panels, these usually hide the fastening screws of the switch units. The roof has to be unscrewed from the inside beforehand. Only then can you reach the screws of the switch unit on the left and right.



At many models (F25 etc.) the clasp from the steering wheel is screwed to the button units. In this case you should remove the key units together with the clamp. This is usually not only screwed to the switch units, but also screwed in the

center of the back of the steering wheel. In this case, first unscrew the screws from the rear so that the cover can be taken down together with the switch units.

On the F25 steering wheels, just unplug the connector from the right switch unit so that you can take it out together with the clasp.

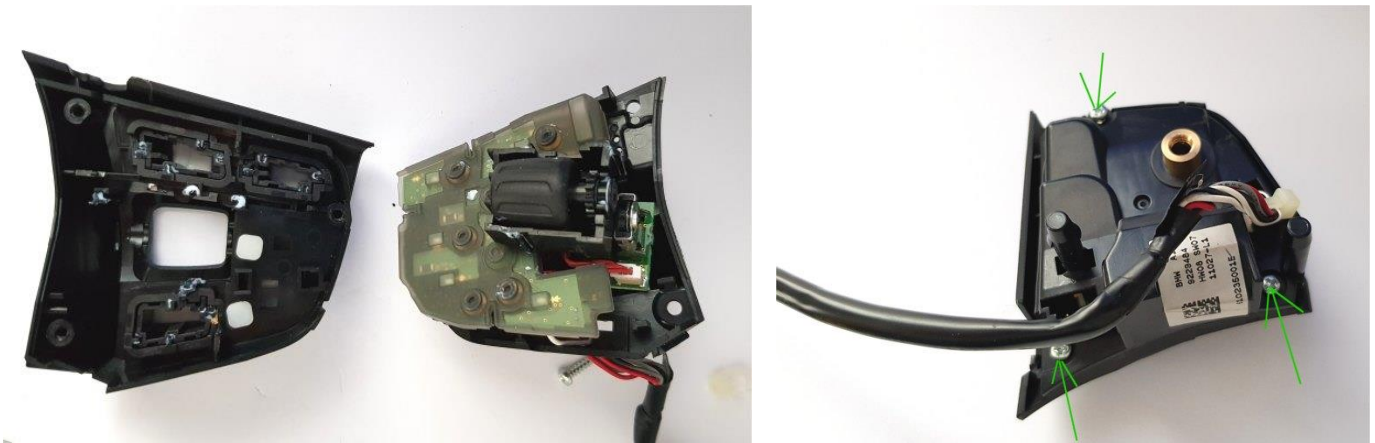


Now you have removed the entire switch unit and you can start to open it.



## Right switch unit:

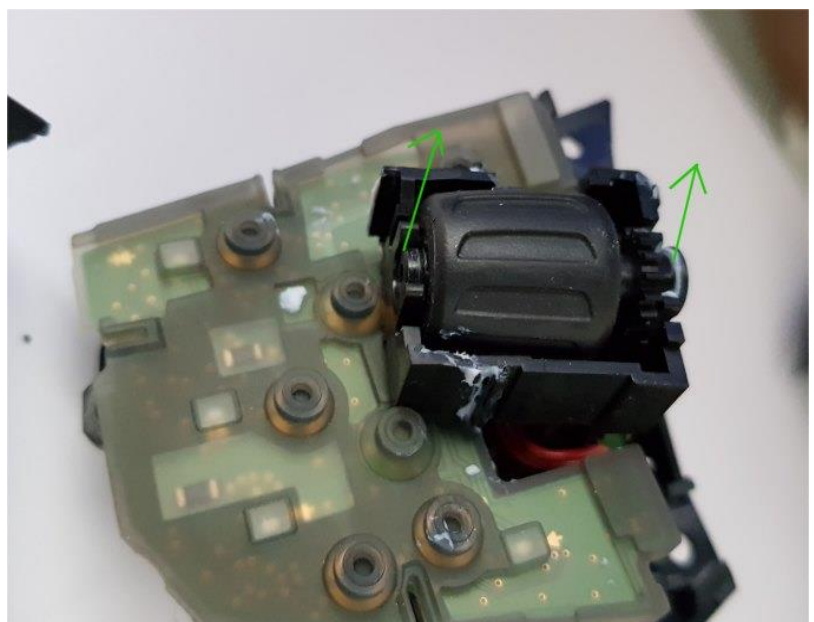
There are 3 screws on the back, unscrew them.



Carefully separate the two housing halves from one another.

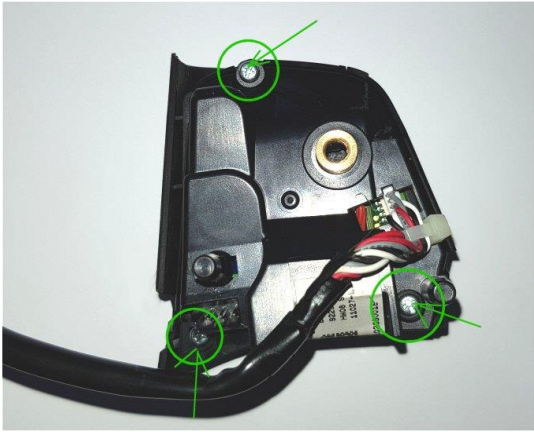
After opening the housing, you can carefully pry the button wheel out of its attachment together with the small gear wheel.

Then pull the small gear wheel out of the old button wheel and put it in the new button wheel.

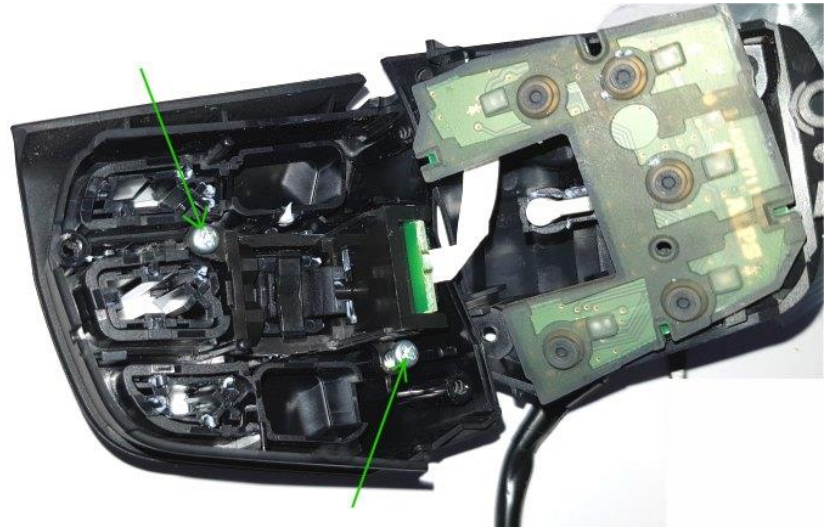


Then you can start assembling. Put the button wheel back in its holder and check for correct function. Put the housing back together and screw together.

## Left switch unit:



As with the right switch unit, there are 3 screws on the back, unscrew them to open the switch unit.

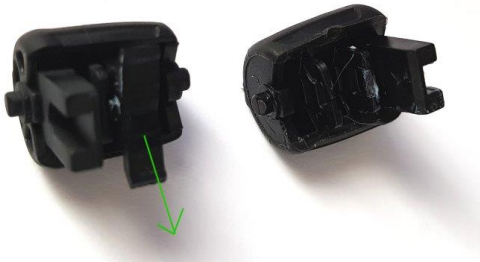


The button wheel with its holder is screwed inside again. Unscrew these two screws as well.

Now you can take out the button wheel of its bracket.

Now release the button wheel itself from its holder. To do this carefully and pry out the nose on one side and then on the other so that you do not damage the bracket.

In the old button wheel there is still the stop for the suspension (so that it always jumps back to the starting position by itself). When assembled, the white counterpart in the other half of the housing pressing on it with a spring. Simply pull out the bracket (see photo) of the old button wheel and put it in the new one.



Carefully push the new button wheel back into the holder and tighten it in the housing with the two screws. Now screw the housing together again with the 3 screws on the outside.

The conversion of the button wheels is now complete and the switch units can be reinstalled in the vehicle. Reconnect both plugs and check for correct seating. Route the cable set again so that it cannot be pinched anywhere.

*Attention: The installation is always at your own risk. Instructions do not have to be complete and correct for every case. There are differences depending on the equipment and the type of steering wheel.*