

# FITTING INSTRUCTIONS FOR FORD STEERING WHEEL SPACER, WITH AIRBAG WIRES EXTENSION PROCEDURE

Warning:

- 1) Park the car with the straight wheels before installation.
- 2) Disconnect the battery before installation. This will avoid warning lights on after the procedure.
- 3) **Be carefull while handling the harness which come out from the clockspring assembly: never pull it, and pay attention about no pulling it accidentally, you can damage the clockspring assembly, and/or hear an annoying "click" while rotating the steering wheel at the end of the job, which requires to re-do the whole procedure only for pushing back the wires towards the clockspring assembly.**

**INSTALLATION PROCEDURE** - There are many tutorials on the internet / youtube, about how to remove the airbag and the steering wheel, I resume here the steps required, but it's much easier after looking a video.

- 1) Airbag removal: turn the wheel 90° to gain access to the clamp springs that hold the airbag in place, and remove the 2 plastic shrouds behind the steering wheel itself by unscrewing the black torx bolts.





- 2) Take a flat screwdriver, grind the point to make it concave to better press the springs, and press the 2 springs, 1 at each side. When pressing, the corresponding part of the airbag will pop out a little bit.

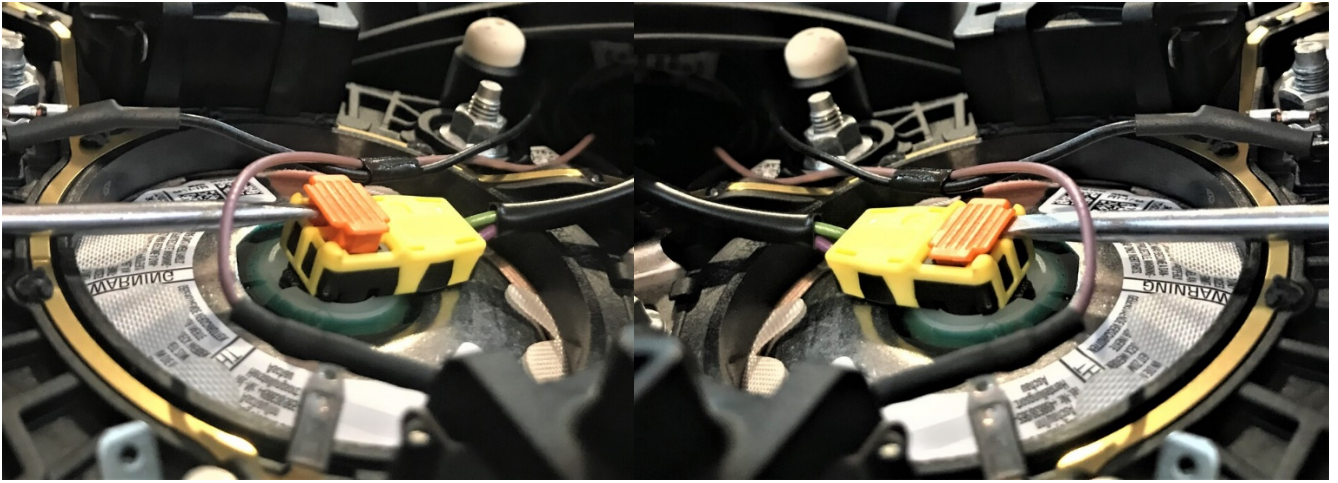


The airbag springs as they appear once the airbag is out.

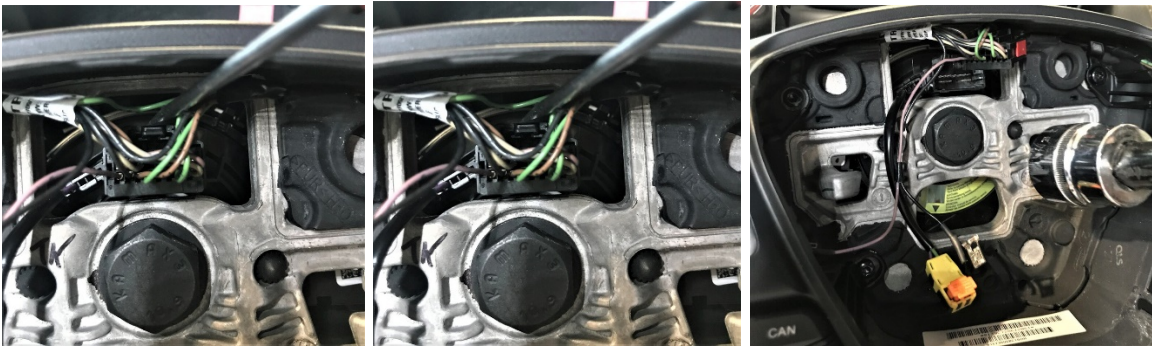


- 3) After the airbag is out, unplug the connector. Lift the secure lock clip with a flat screwdriver, as shown in the picture. You don't need a lot of force, just be accurate. You need to lift the clip to unplug the connector.





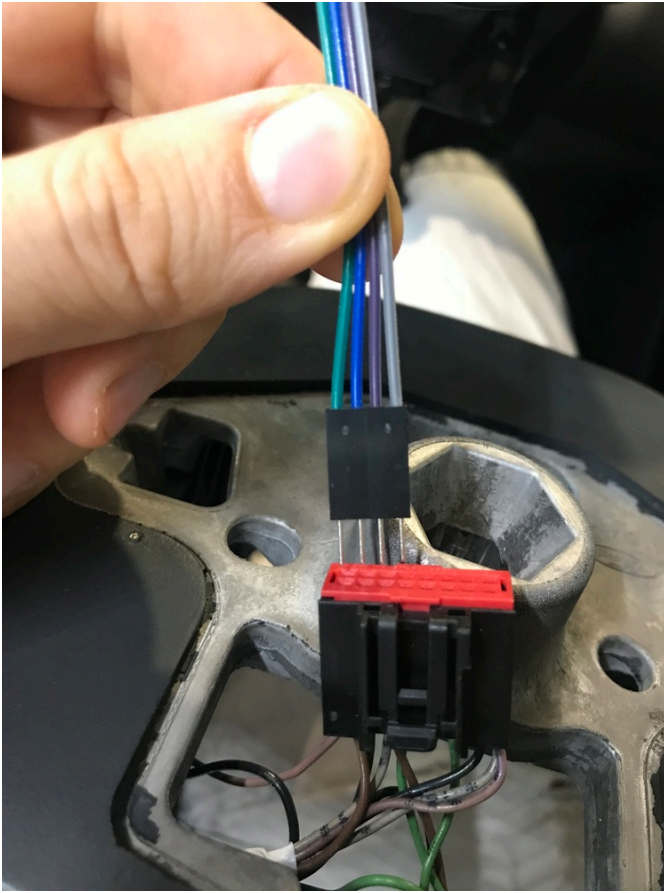
- 4) Once the airbag connector and the horn fast-on has been unplugged, lay the airbag faraway from anybody.
- 5) Unscrew the central bolt and, before removing it, be sure that the steering wheel slides on the shaft.
- 6) Also, before removing the steering wheel, unplug the big connector inside the slot.



- 7) Pull the steering wheel out and lay it in a safe and clean place:  
You will see the same as in the pic below on the right.







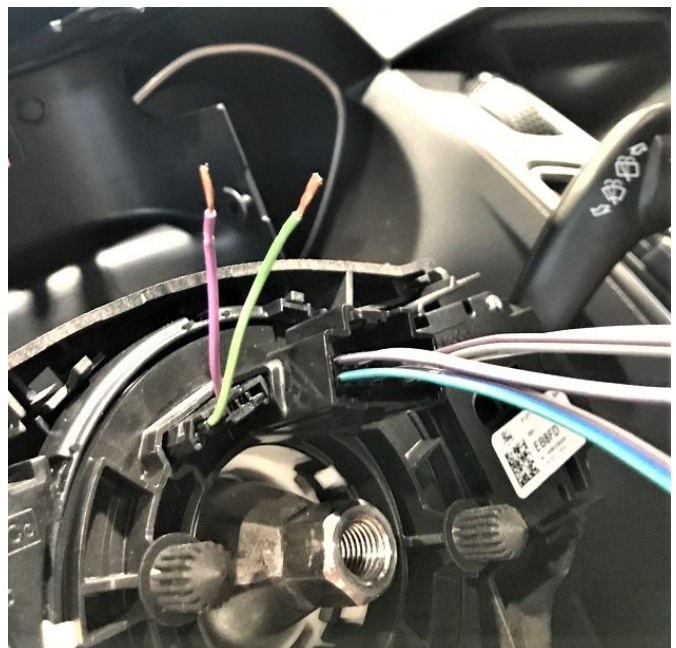
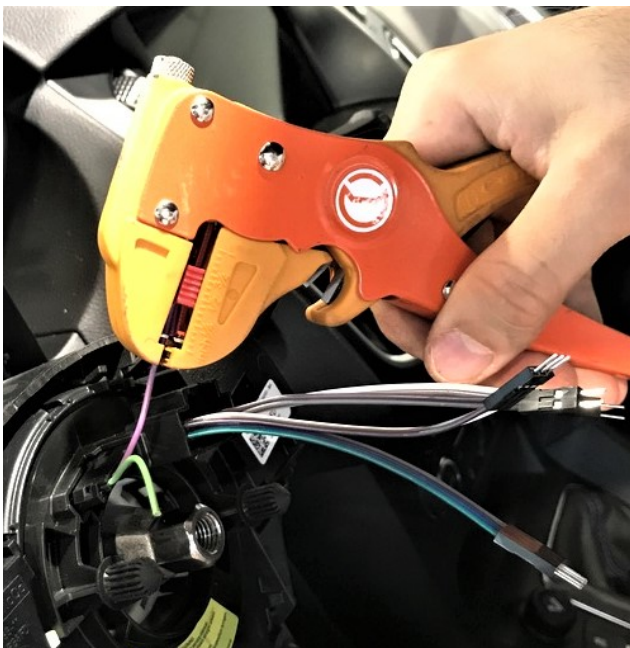
To cut and extend the airbag wires, proceed as follows:

9) Cut the wires, they are normal electric wires.



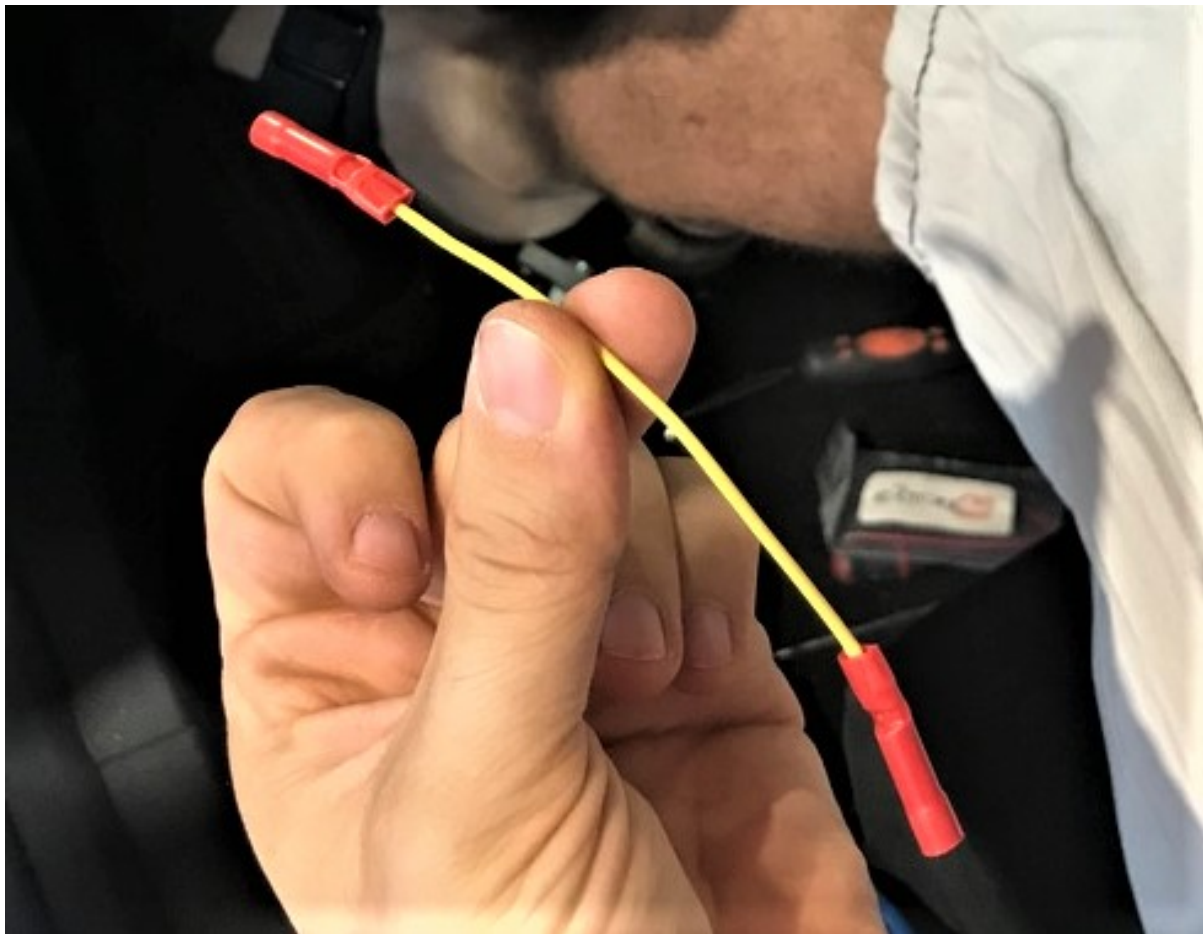


10) Peel the wires at each terminal generated after the cut

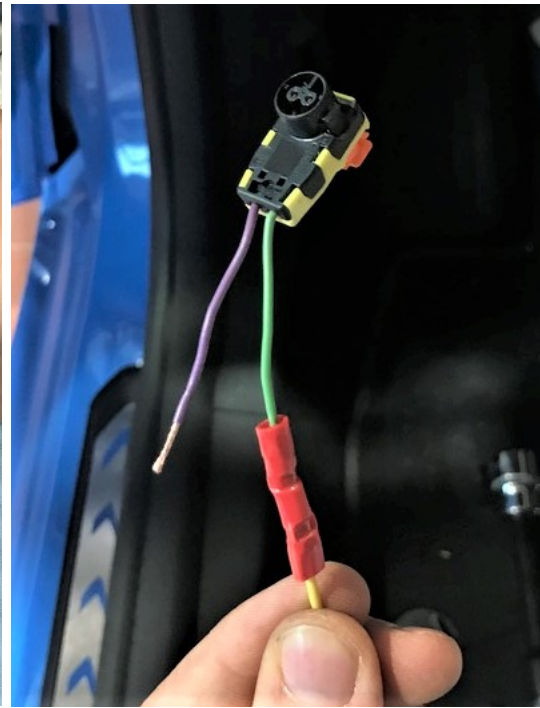




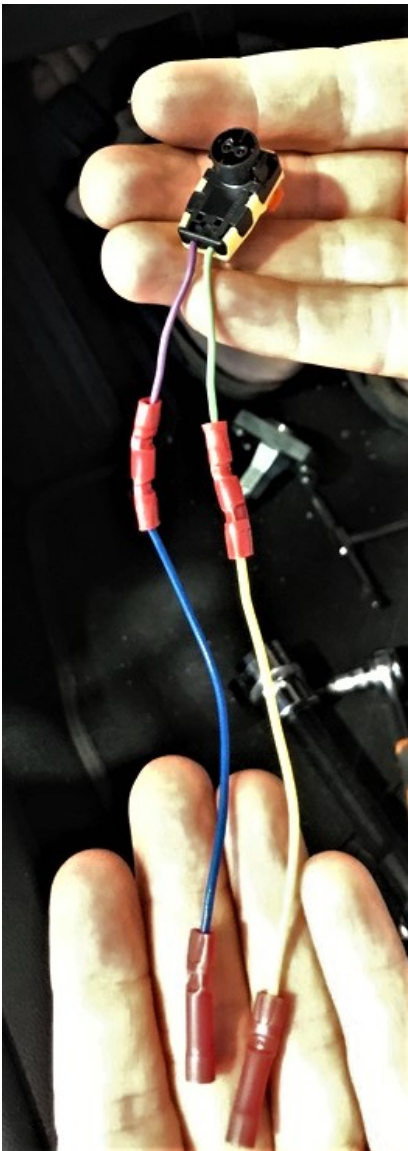
11) Purchase some wire, same AWG of your airbag wires, and cut 2 pieces, same length as the spacer, 5 to 6 cm (2" to 2" ½). Much better if the wires are the same color of your airbag wires. Peel the end of the wires as you did for the car's wires. Crimp 4 x terminals crimp-pipes fittings. You now made your extensions.



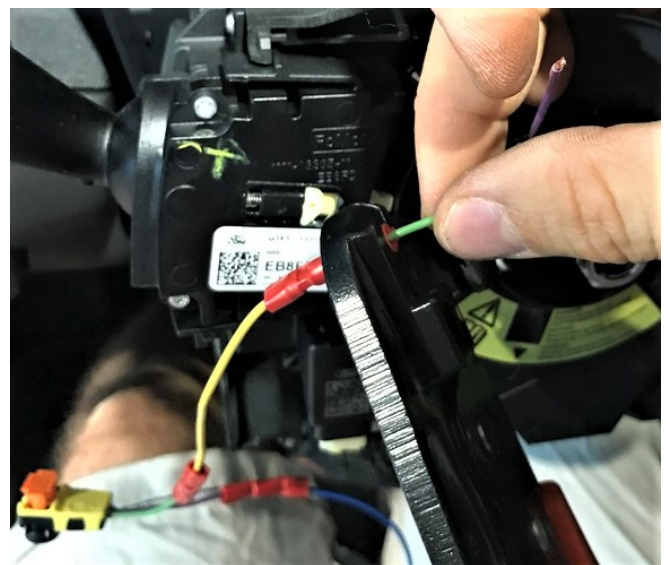
12) Crimp the 2 extensions to the pending wires coming from the airbag connector.



You now have the full extended wire, you just need to joint it to the car.



Go ahead crimping the 2 terminals to the wires coming out from the clockspring assembly. BE CAREFULL NOT TO MISMATCH THE WIRE COLORS. If a wire comes out from the clockspring , for example, in green, then the terminal must be crimped to the green wire that goes to the little airbag connector, and so the other one. Some cars does have 2 airbag connectors because of being dual stage airbag. In this case, repeat the procedure on the other connector.

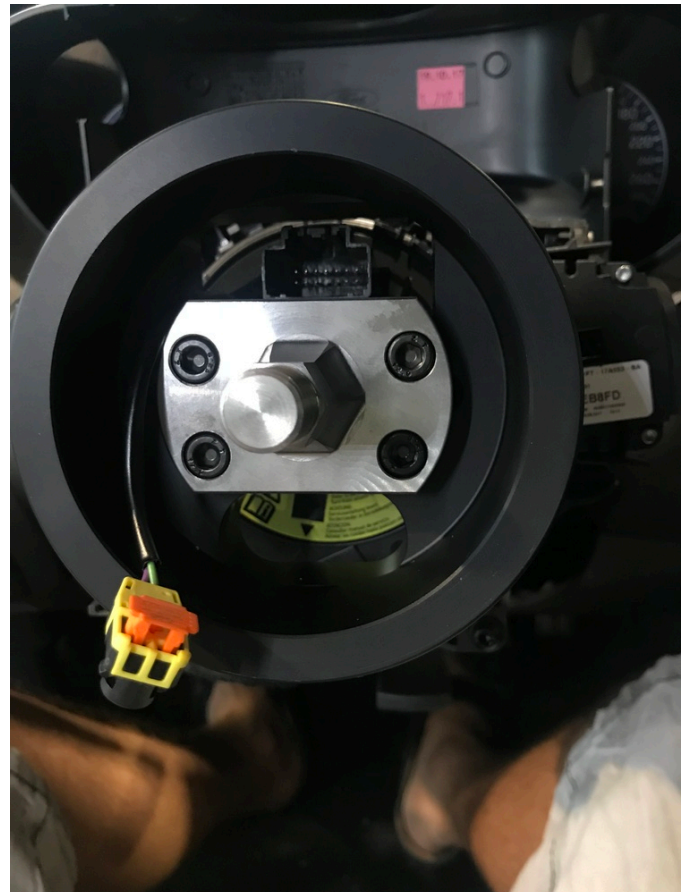
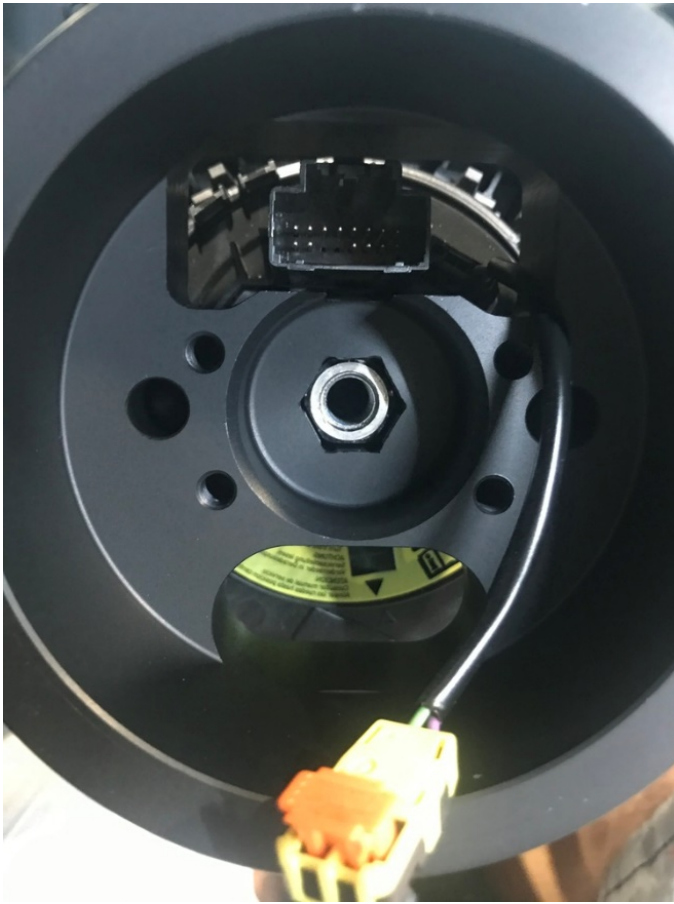




**In the picture at the left side you're going to see the final result. You can now complete the steering wheel spacer installation.**



13) Insert the aluminium part in the shaft. Make the wires go through the slot gently. Tight the central bolt that was holding the steering wheel in place at 60 Nm.



14) Insert the steel part on the aluminium part. and tight the M6 bolts at 10 Nm.



15) Insert the steering wheel in the spacer's shaft. Make the wires go gently through the slot. Tight the central nut at 60 Nm.



16) Push back the connectors of the airbag and the faston. Pre-align the airbag in place and make it gently go inside its housing in the steering wheel.

18) Connect the battery.

19) THE END.