

# Retrofit Kessy door handle's rear and with LED Seat Leon

Parts Needed:

1 set of door handle's and wiring ( All parts and wiring for easy fitting):

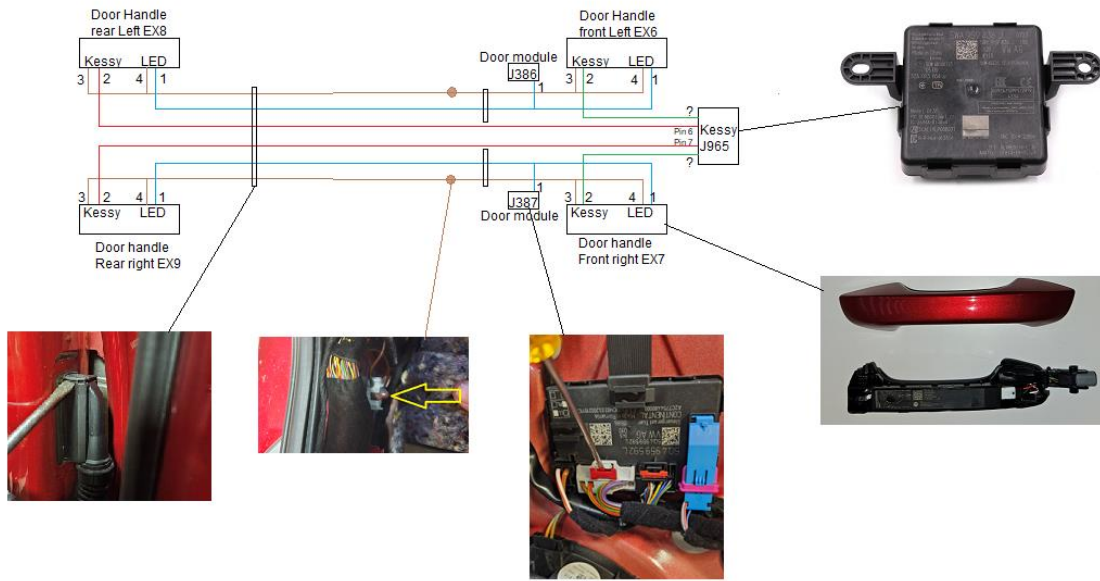
[Link to seller 2](#)



- Pair of brains
- Torx set
- Screwdriver
- Soldering Iron
- Solder
- Piece off plastic tools
- Fabric tape
- Wrench 10mm
- Mounting time : +/- 1 day

**NOTE: I will be never responsible for any damage you make on you car by using this manual and and wiring colors may very.**

# Wiring Diagram:

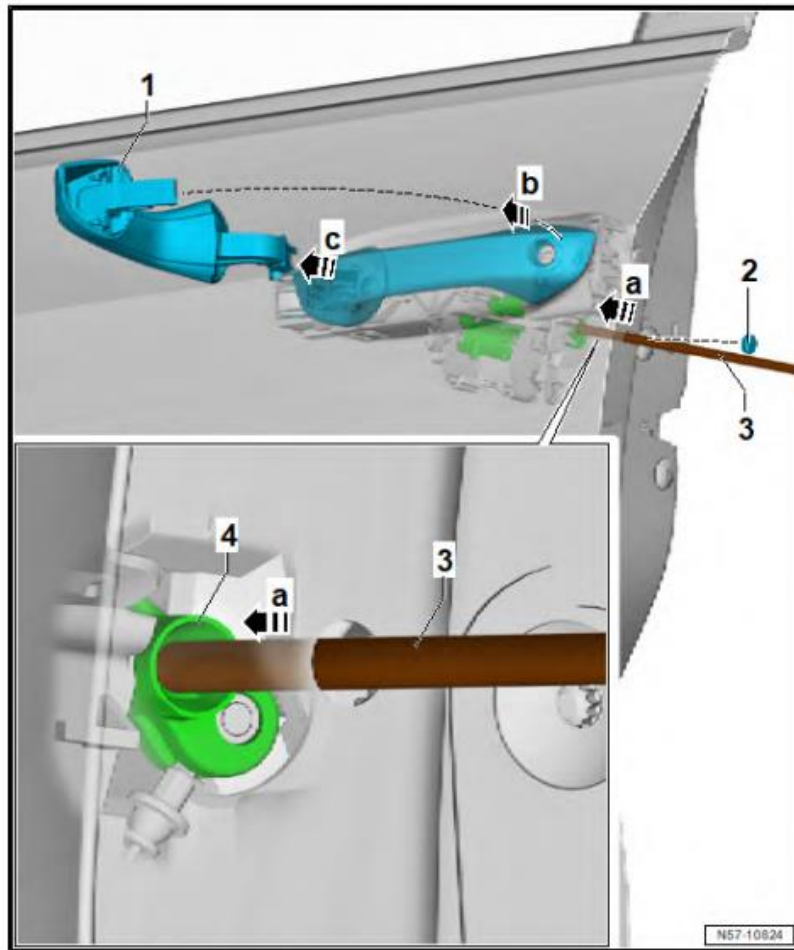


# Removing door handles:

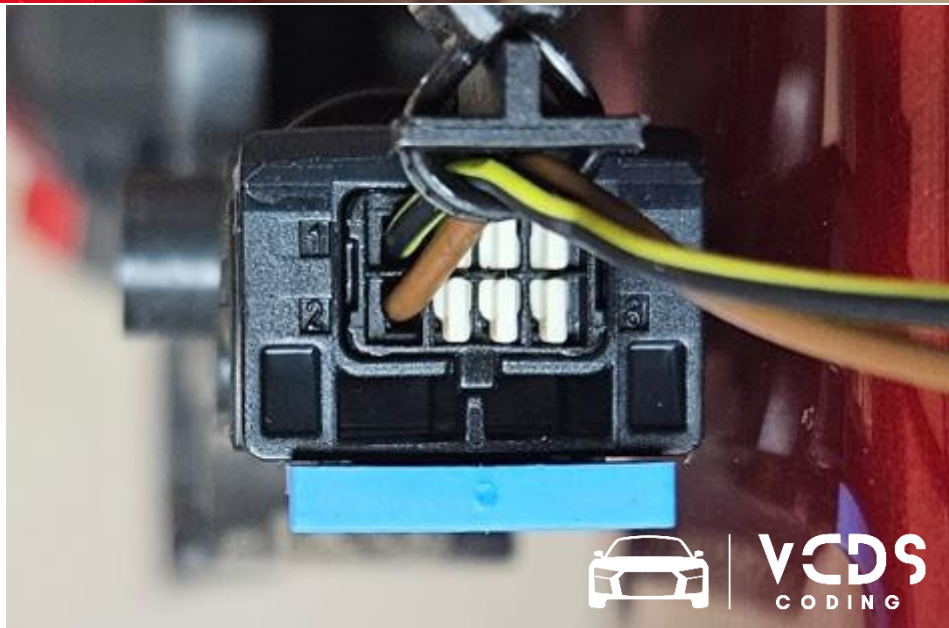
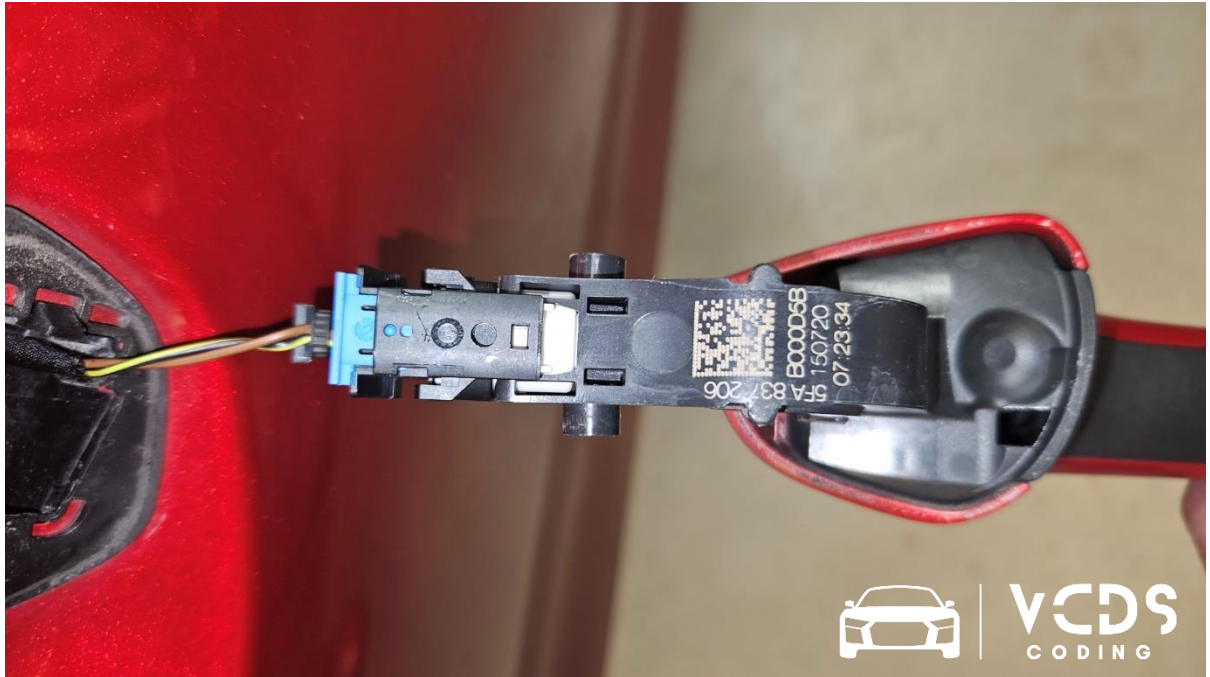
1. **FIRST OPEN ALL WINDOWS ( when the door handles are removed doors can't be opened from the outside.**
2. Remove the cap from each door:



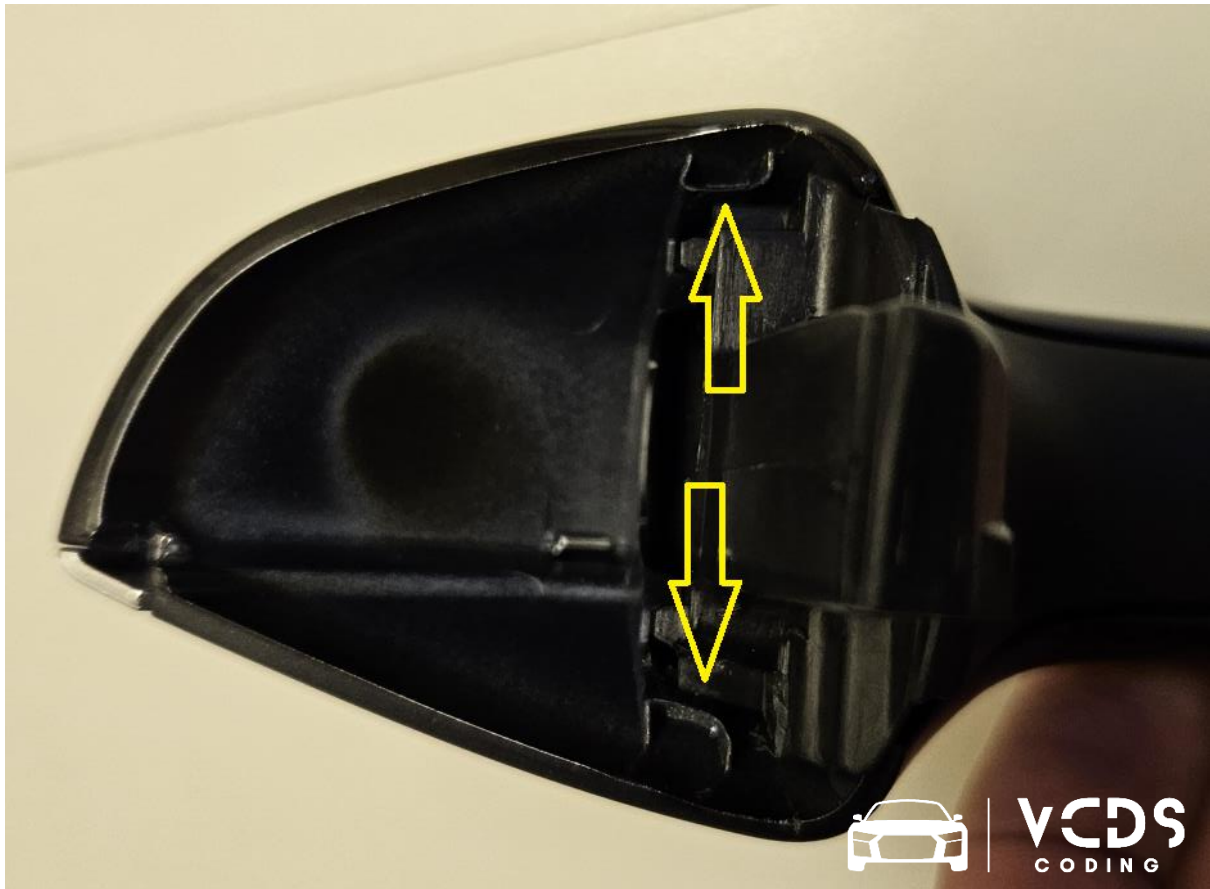
3. Put in a flat or torx screwdriver (3) in the hole to push a lock away and pull the door handle out like below. [Movie](#)



4. Unclip and remove the connector from the door handle:



5. Remove all OEM covers from the OEM doorhandle's. You need 2 flat screwdrivers (I used 2 knives) to push out these 2 over the ridge to remove the cover. You need some kind off force to do this. Start with the new doorhandle's before you do it with you original ones. 😊



6. There are also a few other locking places you need to pull the cover over it. Also need some force 😊



7. Push on the original covers and you are done with the doorhandle part.



## Removing doorpanels (All doors):

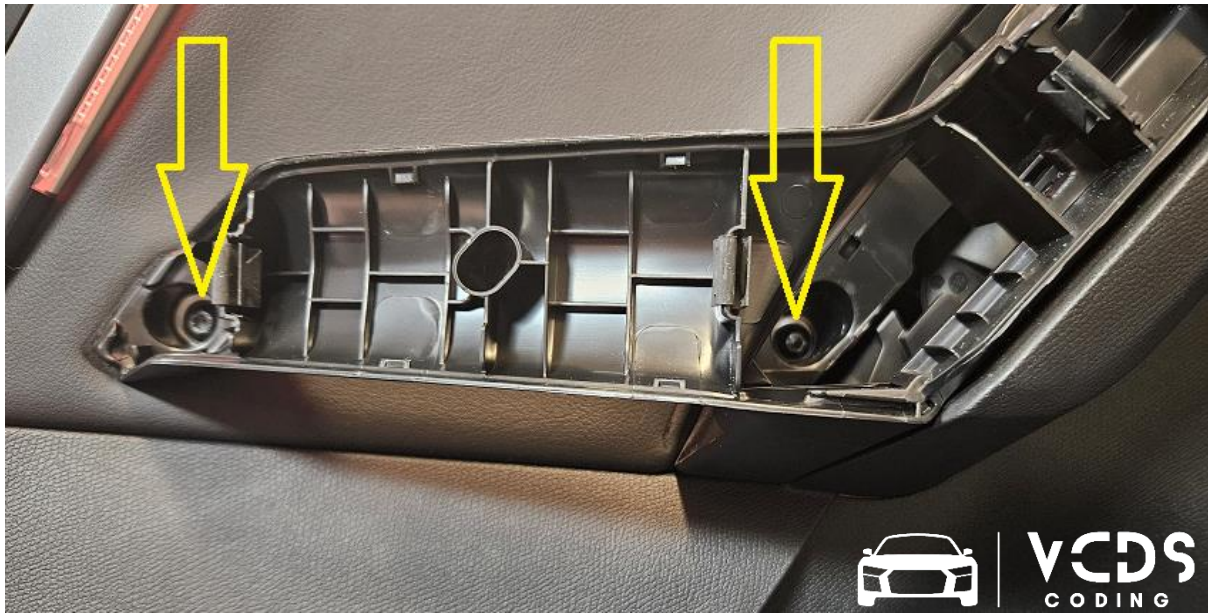
8. Remove the panel by starting with the window buttons:



9. Remove trim off the doorhandle by unclipping with a plastic tool.



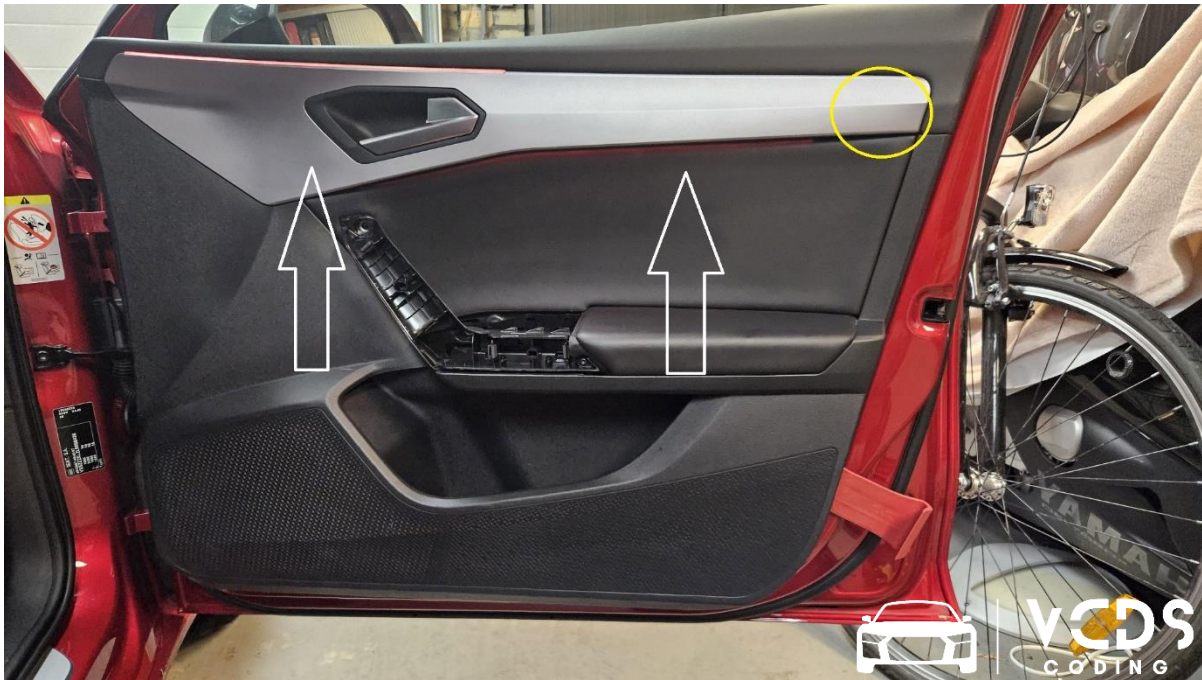
10. Remove both screws which are now visible.



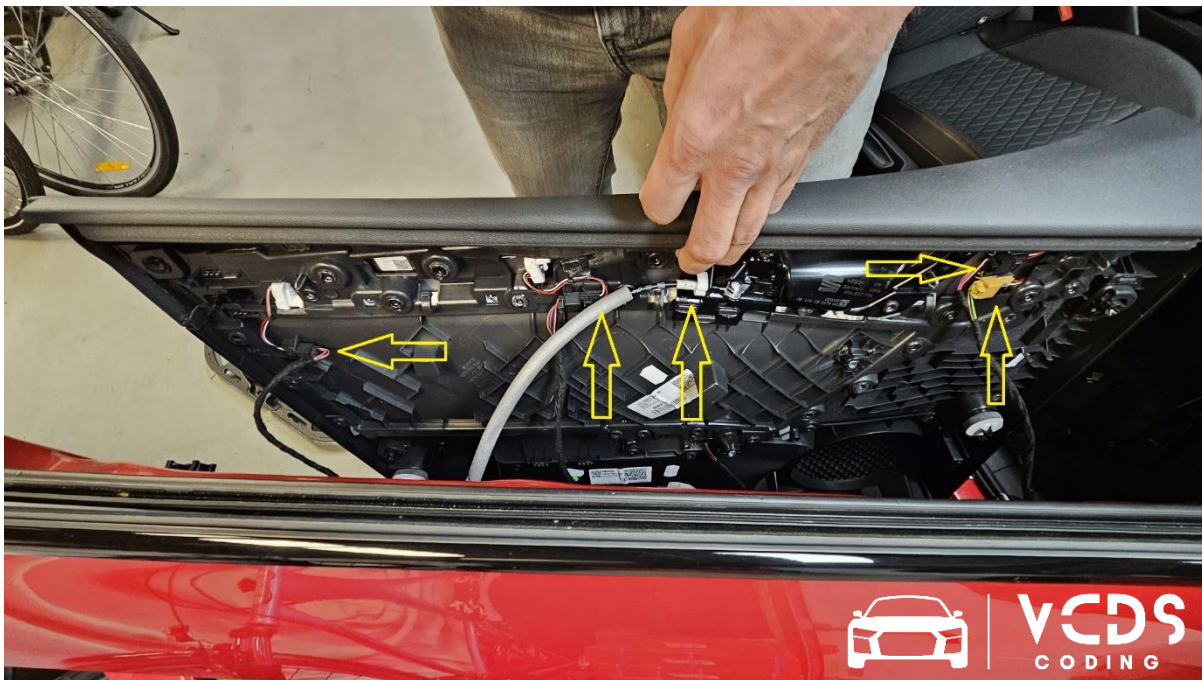
11. Pull the cover towards you from below. (It will unclip).



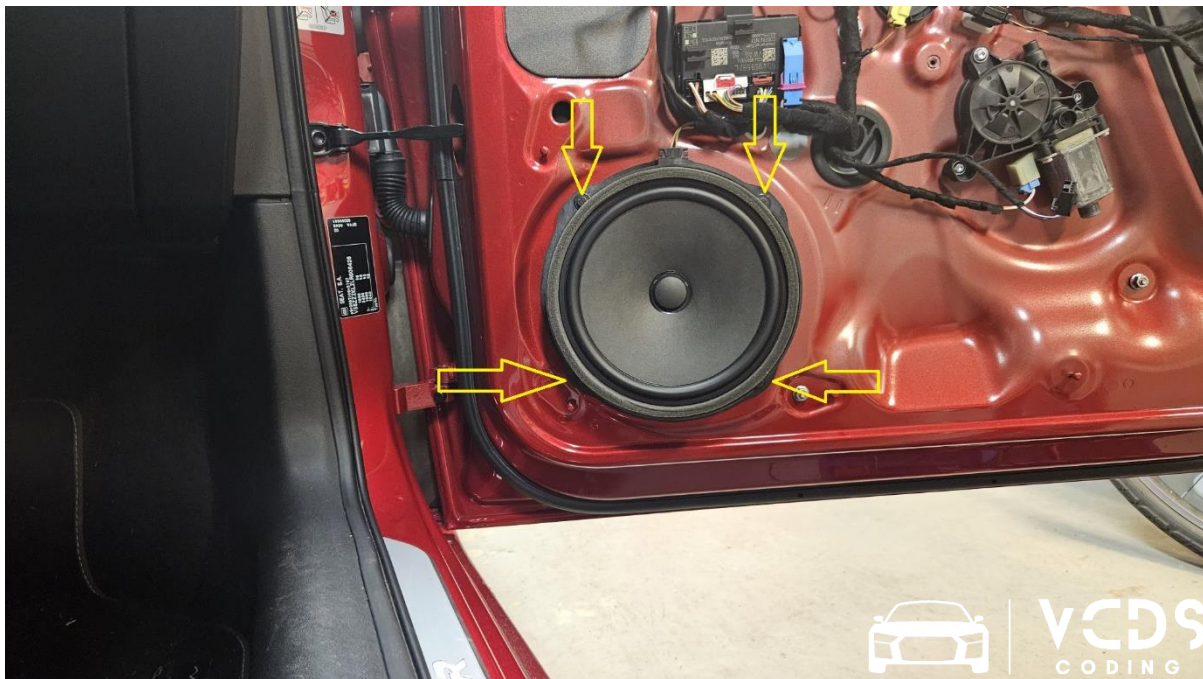
12. On the top on 1 side you can't unclip ( Yellow marking) and need to push the panel Upwards to remove. Push the whole cover upwards.



13. Unclip all connectors and the cable for the door opening and put the panel somewhere save.

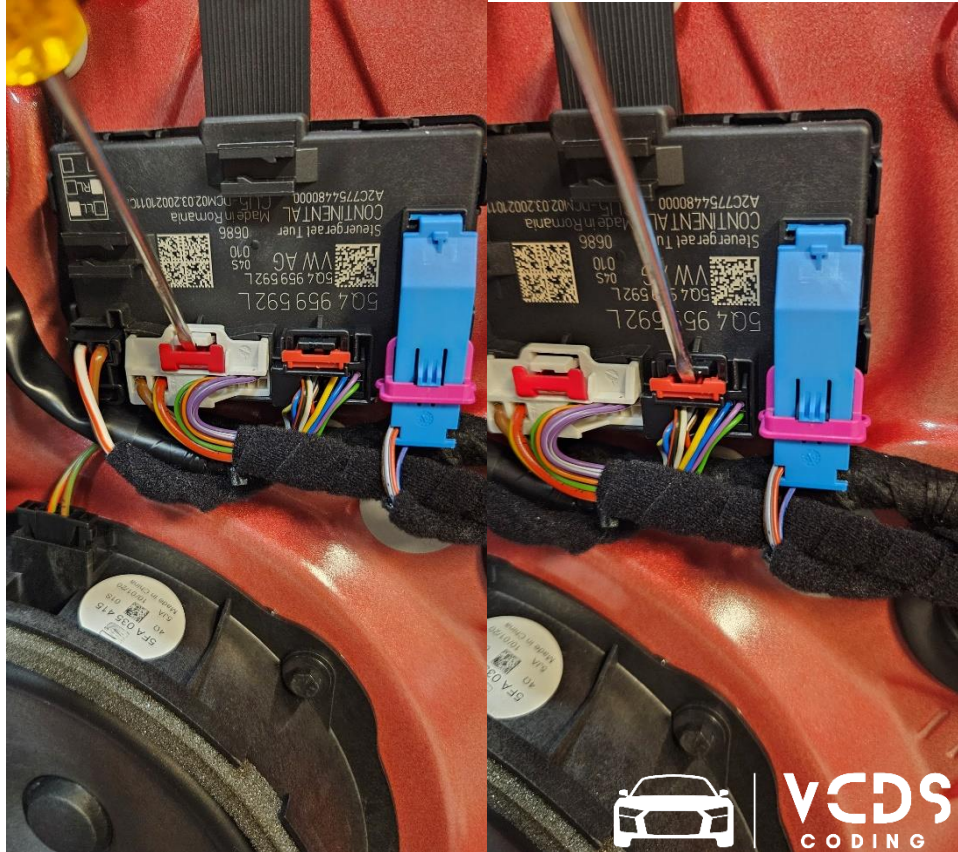


14. Remove the Speaker and put at the side:



## Front doors wiring:

15. Look at the door module and unlock the connectors. Unlock with the red locking pins and then remove them. Blue connector you need to pull the pink lever.

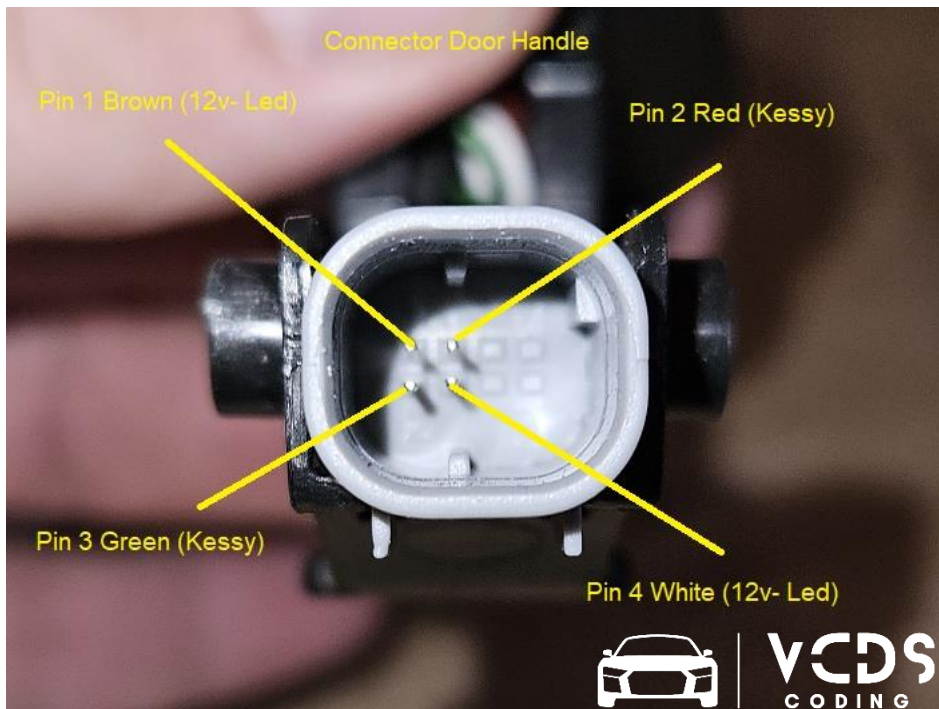


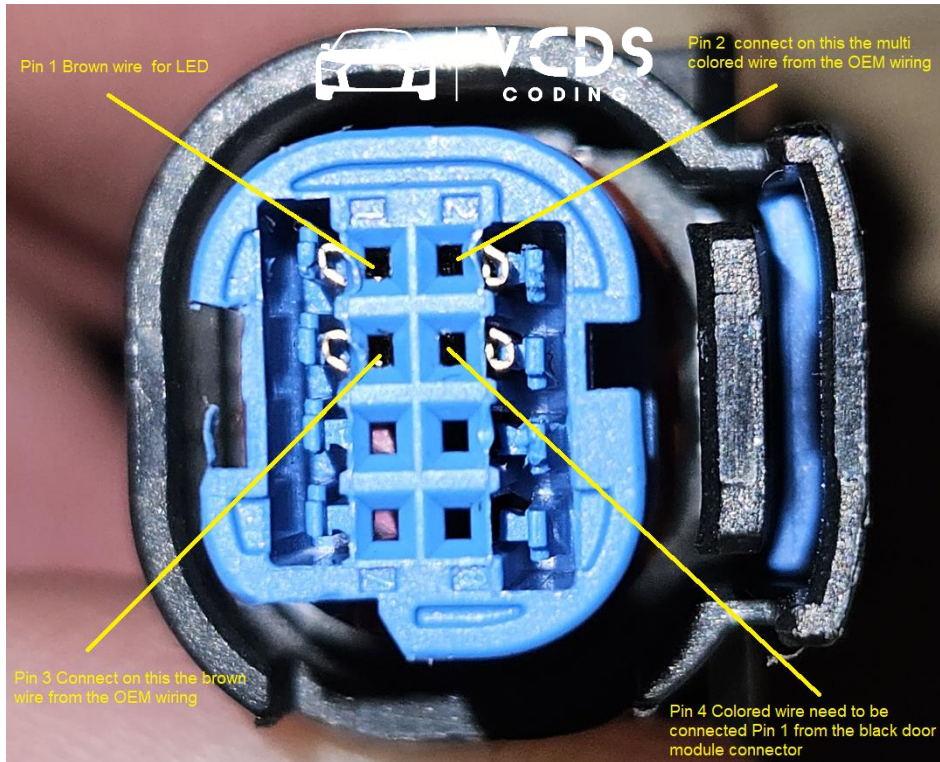
**16. Wiring for kessy is (On doorhandle's without light)) on Pin 1 and Pin 2 and we need change the wiring because the new door handle's have another pin occupation:**

Take the new doorhandle's and the new connector with 4 wires with the following functions and pin numbers:

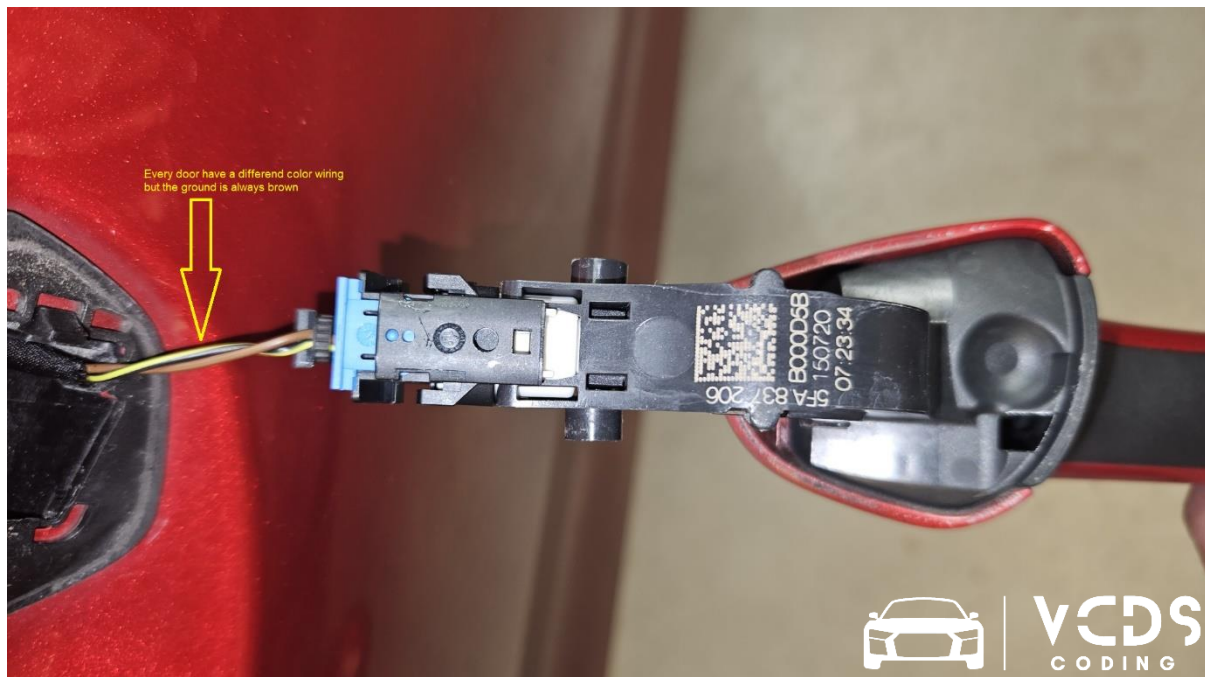
- **Pin 1** LED 12v+ witch need to be connected to Pin 1 off the black connector **(from step 19)** & also going to de back door at the same side.
- **Pin 2** Kessy Signal wire Needs to be connected to the OEM kessy Signal wire **(Colored wire ( See Step 17))**
- **Pin 3** Kessy Ground wire needs to be connected to the OEM kessy ground wire **(Brown)**
- **Pin 4** Led 12v- ground wire need to be connected to the ground inside the car **(or with Pin 3 Led en Kessy share the same ground)**

See pictures below

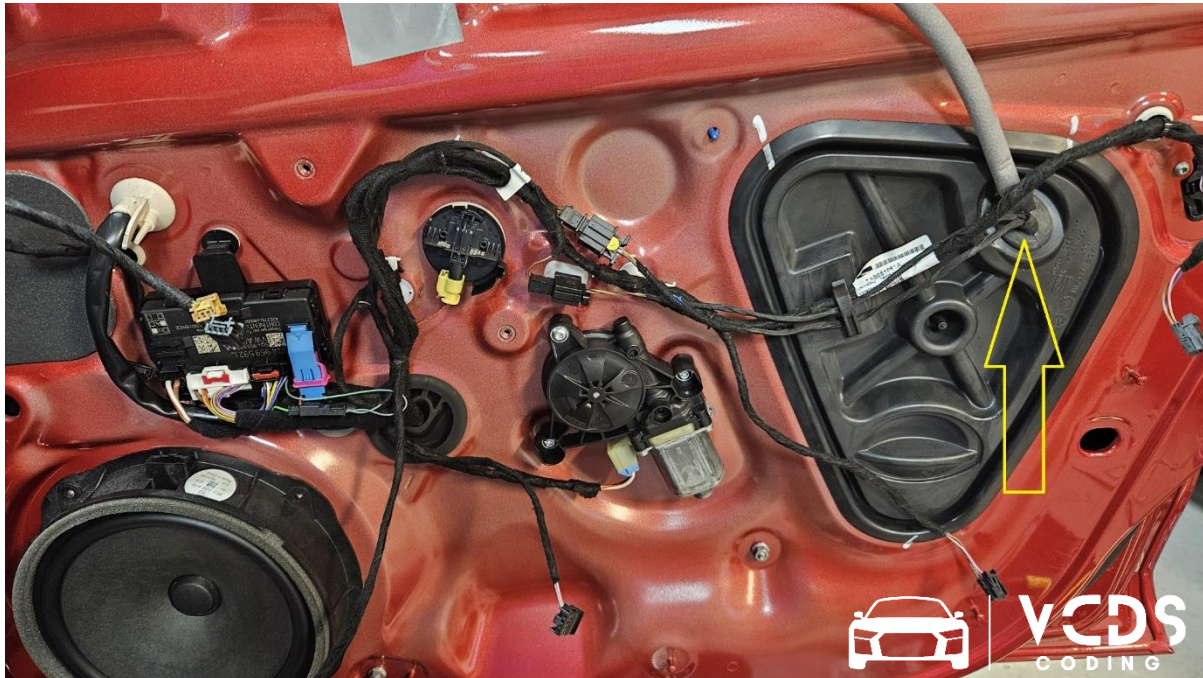




17. Now you need to cut the OEM connector from the OEM kessy handle and solder the 2 wires at the wires from the new connector (see step 16). **Brown wire (OEM) on Pin 3** and the **colored wire (OEM) on pin 2**. And push the door handle's back in the door.

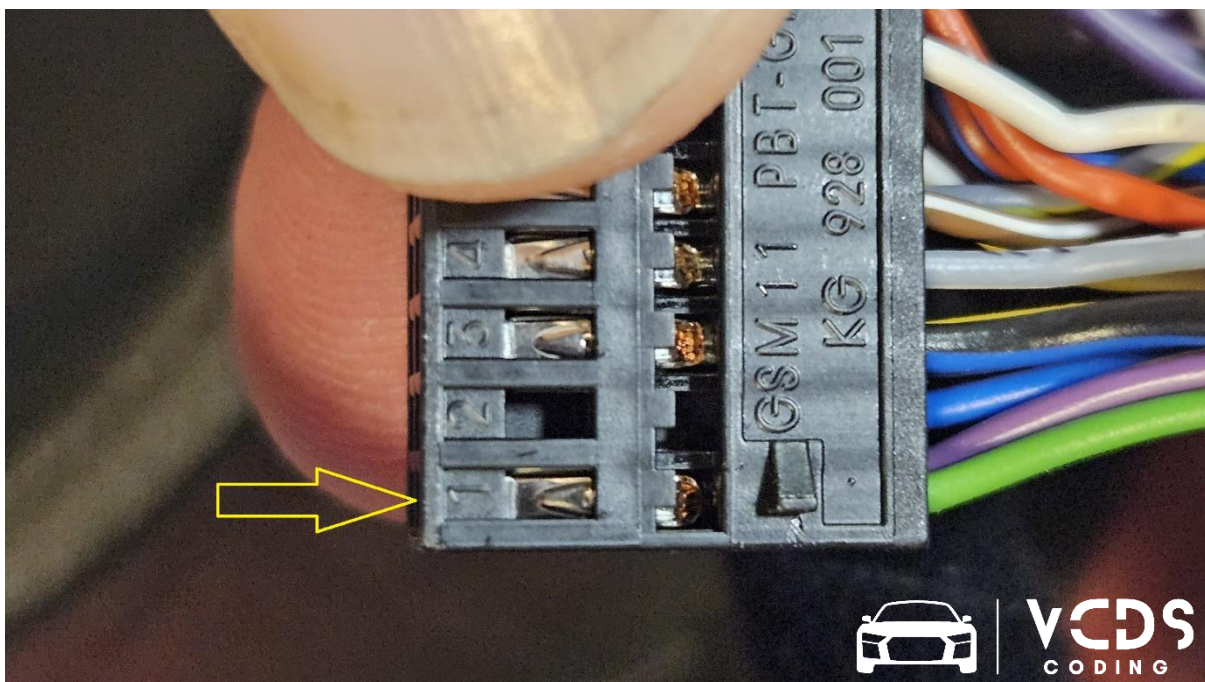
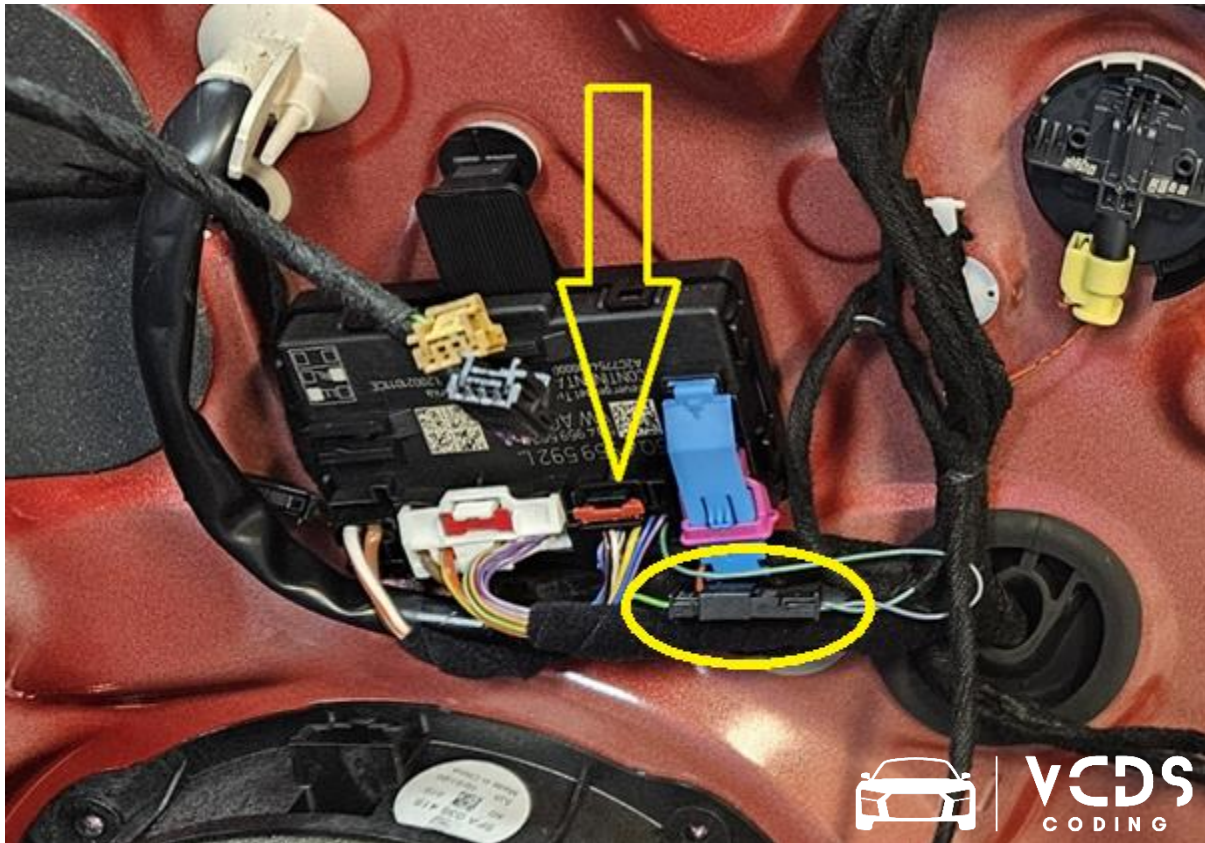


18. Pick up the new wiring at the inside off the door and pull them trough the rubber grommet and tape the wiring at the inside off the door with the original wiring because the window must be free for going down. Check this before closing the door.



19. Now bring the wires to the door module and connect the LED 12v+ wire to pin 1 off the black connector from the door module. You can solder it to the oem wire or use a special connector you got with the kit you ordered from aliexpress. (I did the last)

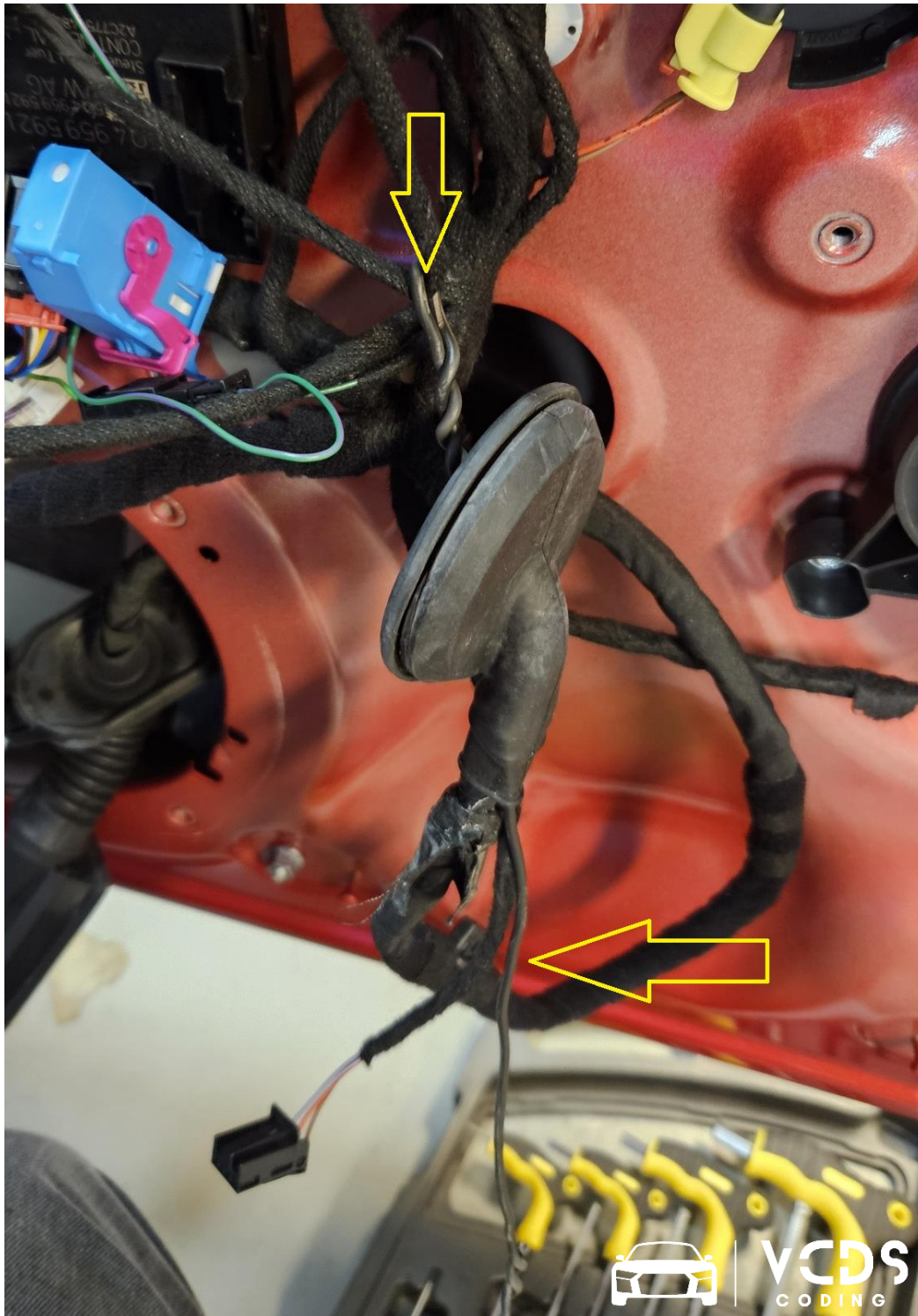
This wire is for the exit light in the mirror and also for the lights in de door handle. This one you have to connect the New wire who is coming from the Led and need to go to the rear door for the light in that door to.



20. The rest off the wiring:

- Ground wire ( Kessy + LED)
- Signal wire ( kessy)
- 12V+ LED wire

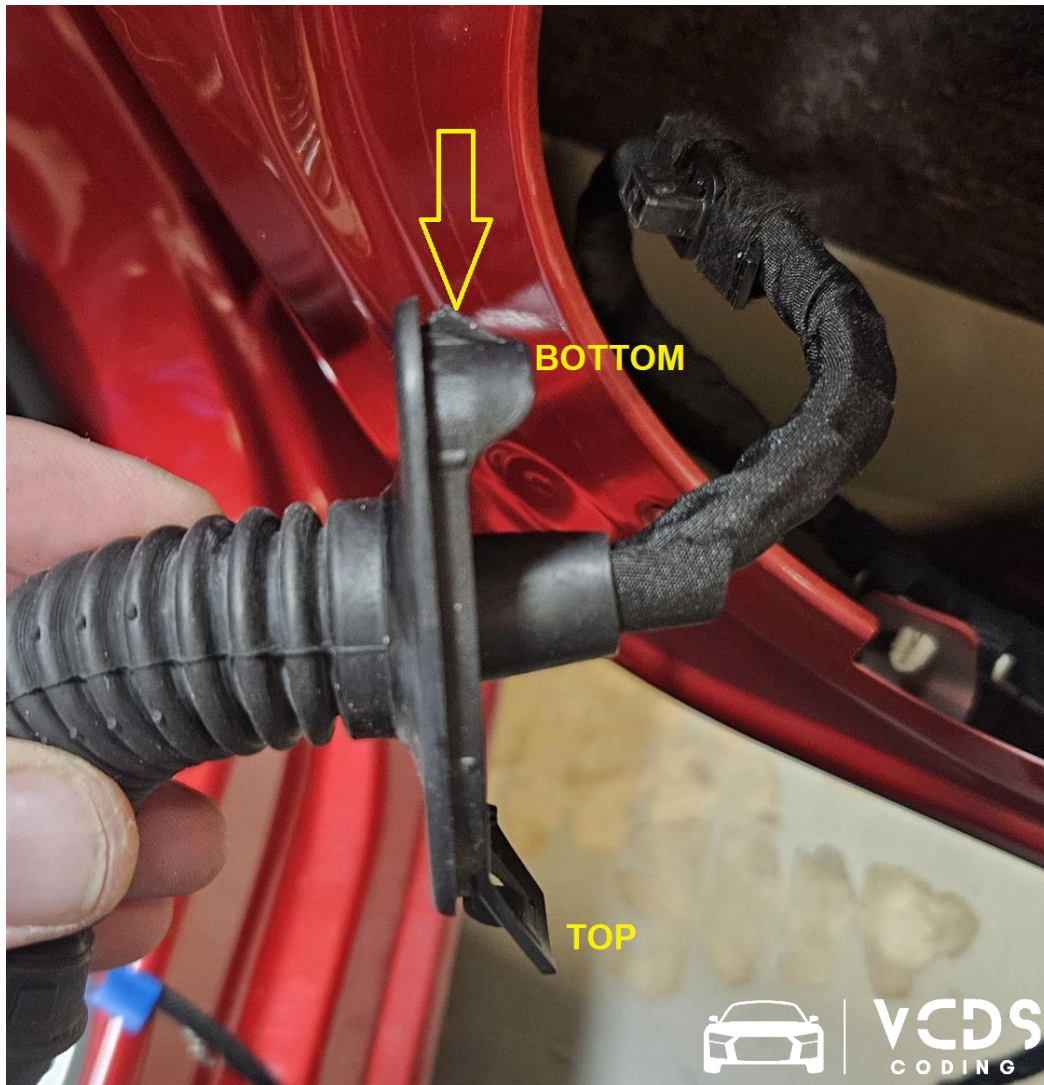
You need to pull trough the rubber grommet to get inside the door. You can use a thin electrical wire for it.



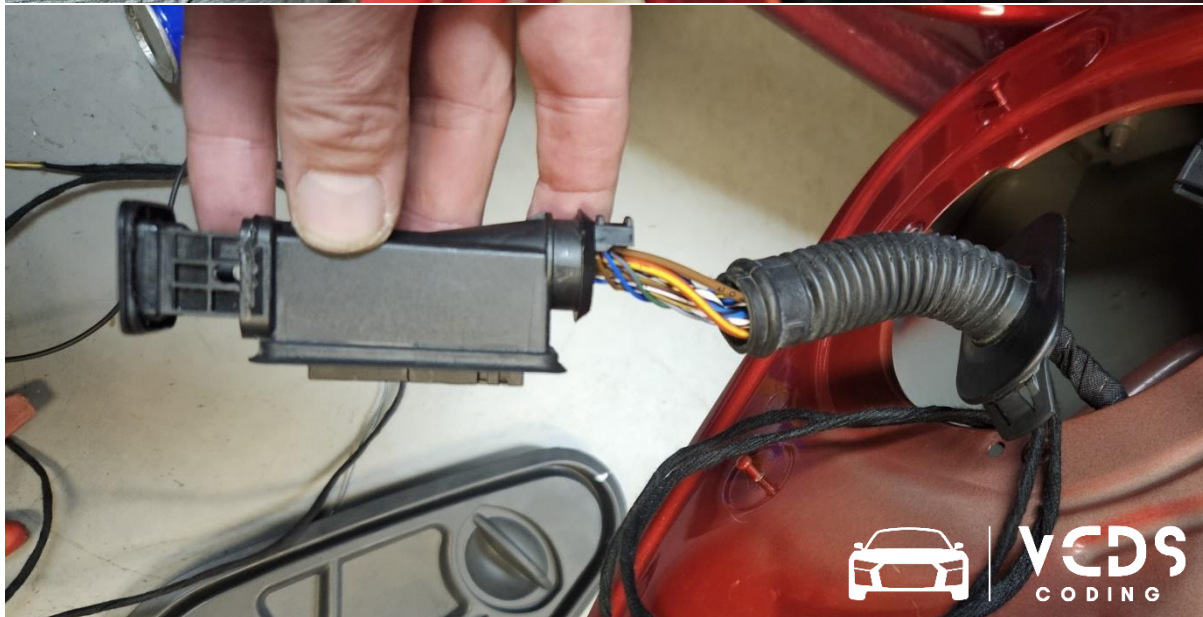
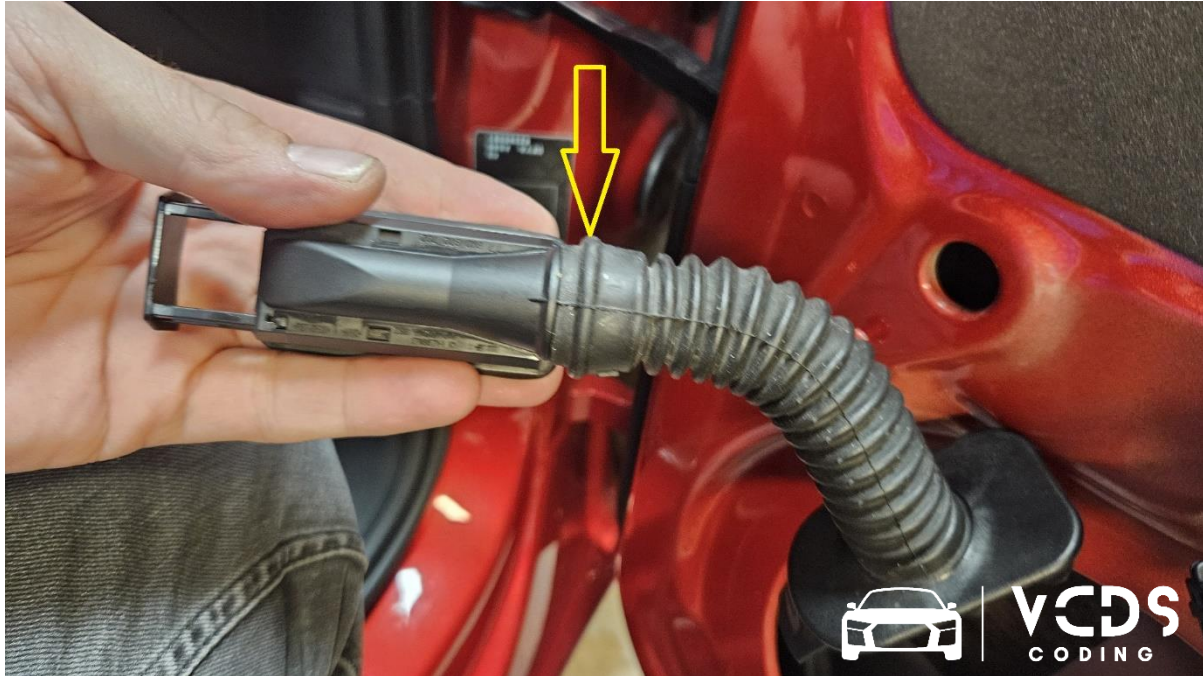
- 21.** Now you need to disconnect the connector between the door and the chassis. You can use a big screwdriver to pull up the handle and disconnect it by pulling is completely upwards and slide off.

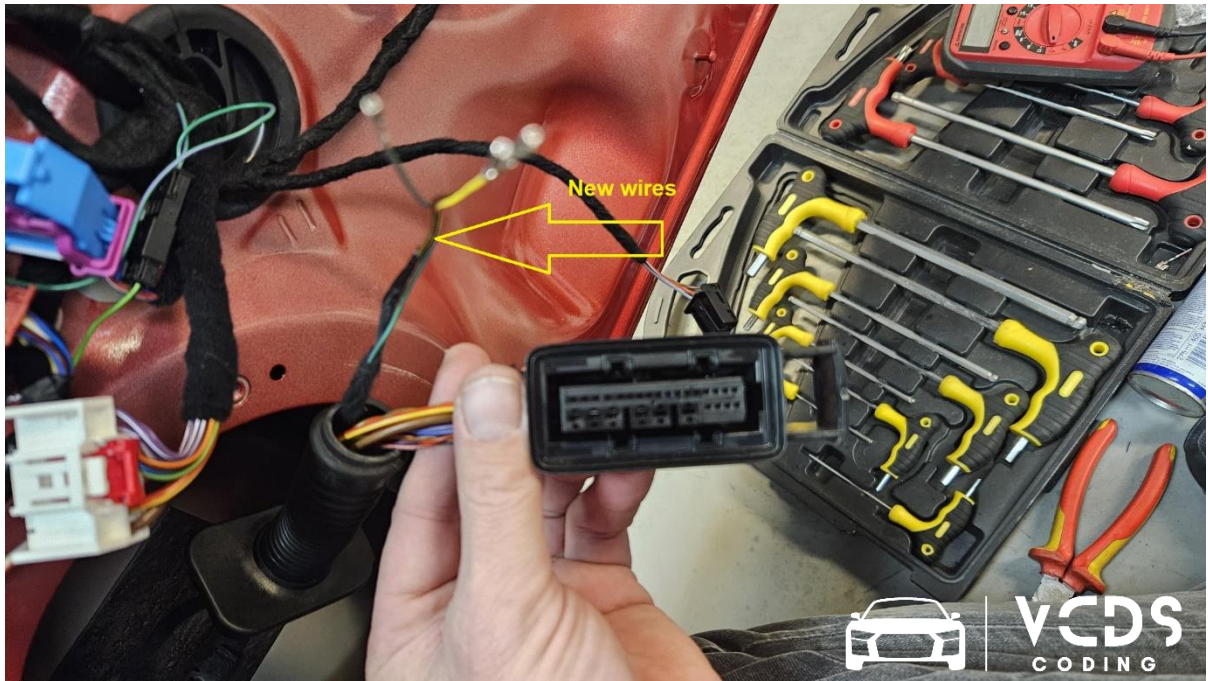


22. Now you can unclip the part , wich is holding the wiring harness in the door. Feel at the inside off the door you feel a ridge you can push inside and pull out this part out and then you can pick up the complete wiring with the connector on the inside off the door where the speaker was.

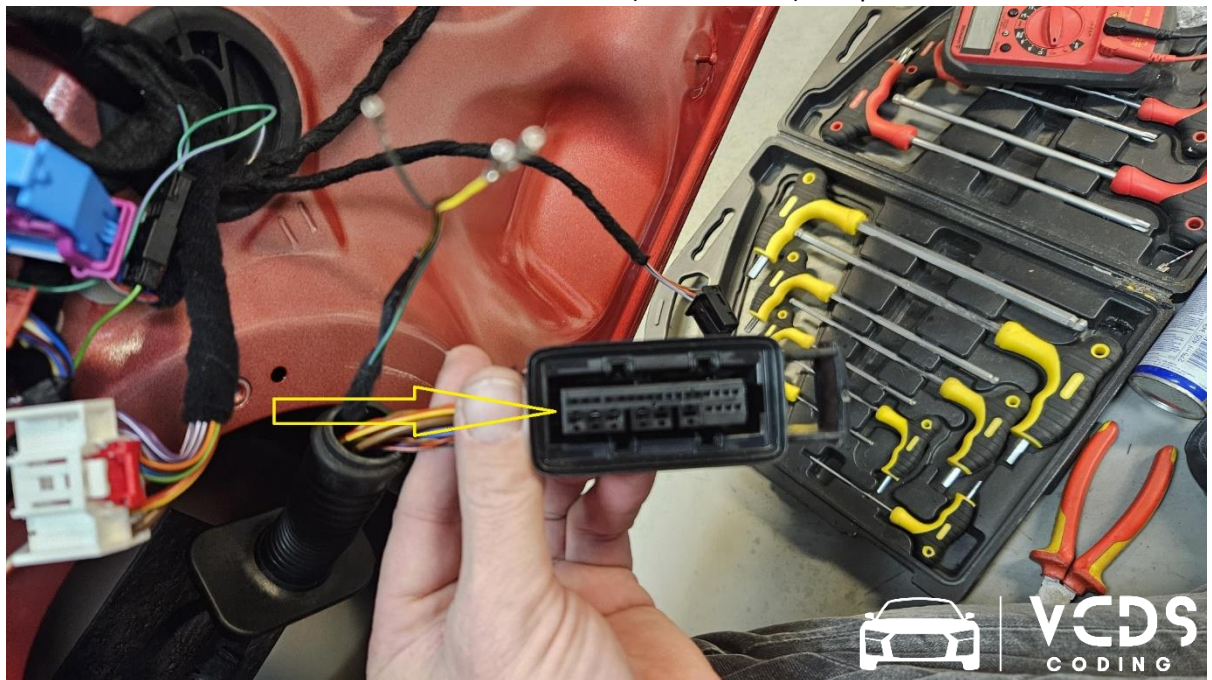


23. Now you have to get the wires and tape them to the existing wires and now you need to get them through the rubber grommet to the connector. You need to loosen up the rubber grommet from the connector so you can see the wiring and then you have to pull the wires through the grommet.

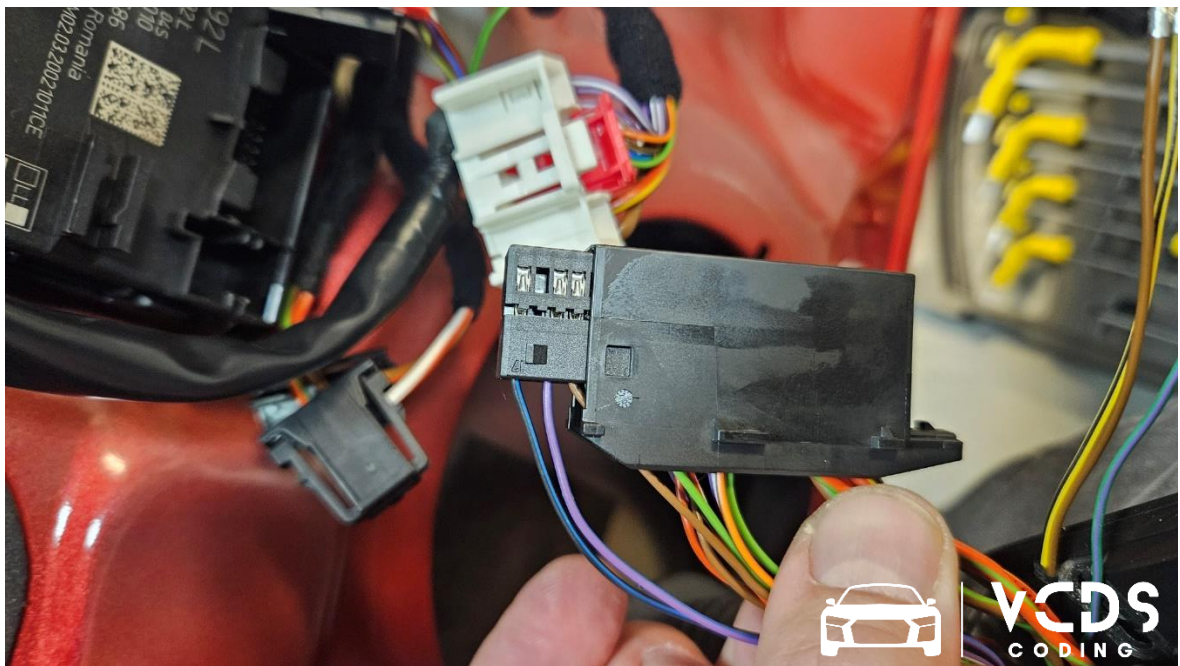
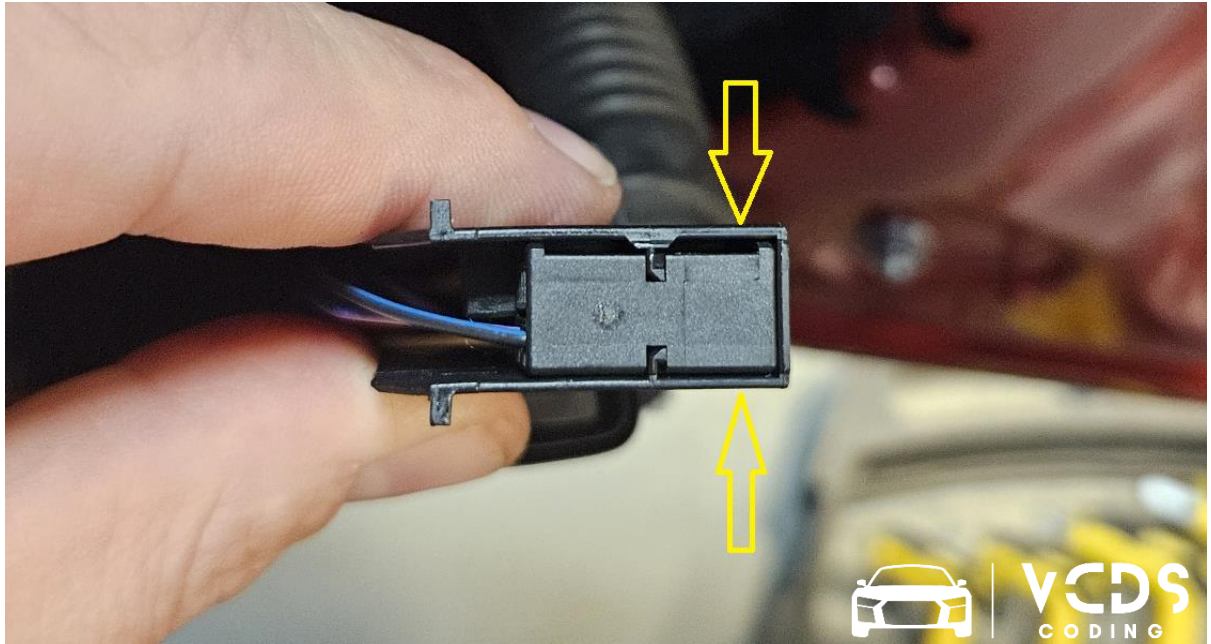




24. Unlock the connector to move the inside to the side (Yellow arrow) and pull it out

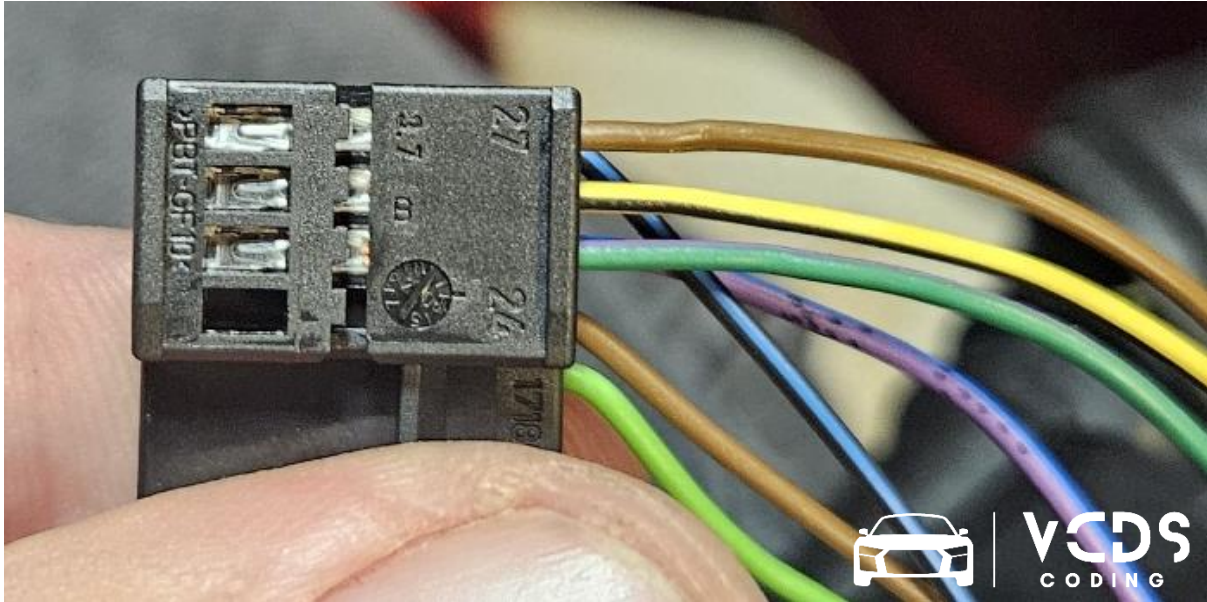


25. Now open up the connector to unlock on these sides and slide the inside



26. Now you can push in the 3 wires:

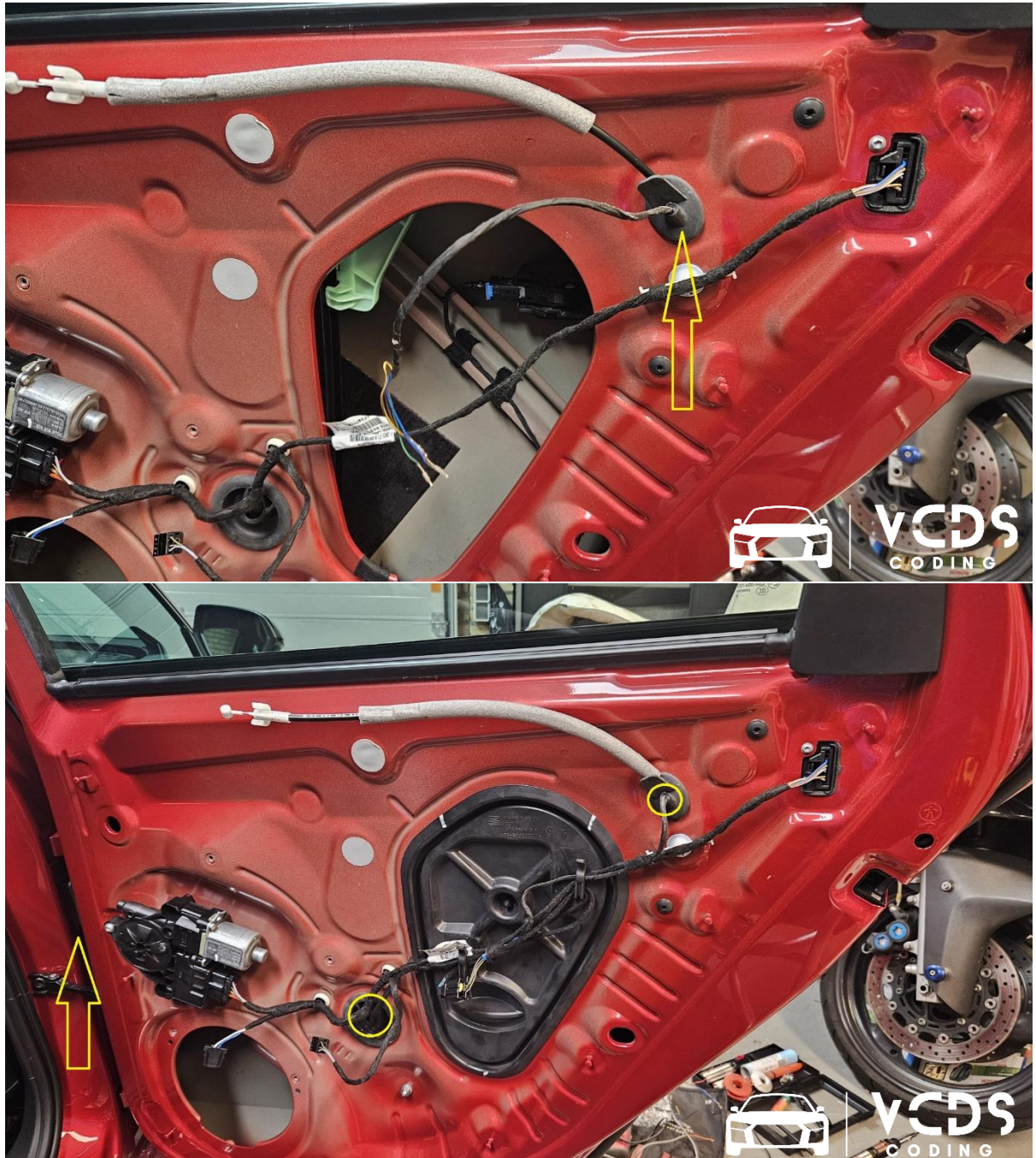
- Signal wire Kessy (**Slot 26**)
- 12V+ Led wire (**Slot 25**)
- Ground wire (Kessy + LED) (**Slot 27**)



27. Put the connector back and close the door panel.

## Rear door wiring

28. This one is easy. You only need to put in the new door handles with the wiring. No soldering needed. And bring the wiring trough the grommet to the connector at the chassis. The same as the front doors



29. Now you can push in the 3 wires:

- Signal wire Kessy (**Slot 16**)
- 12V+ Led wire (**Slot 15**)
- Ground wire (Kessy + LED) (**Slot 17**)

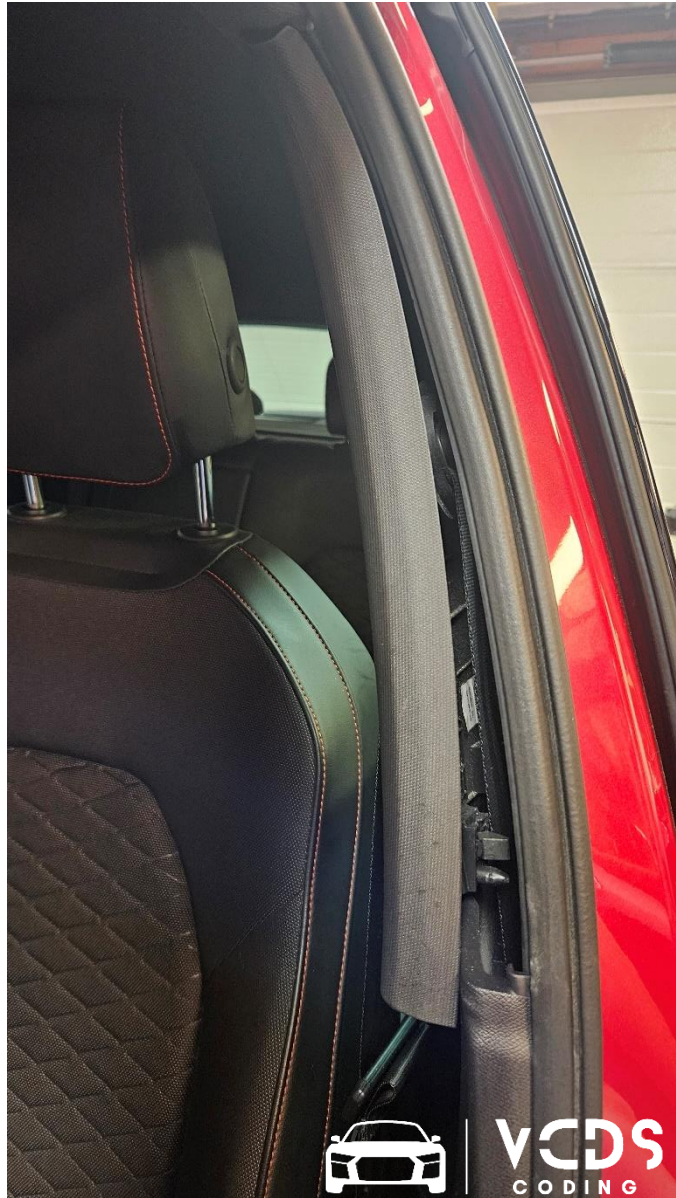


30. Put the connector back and close the the door panels and now it is time for a brake:

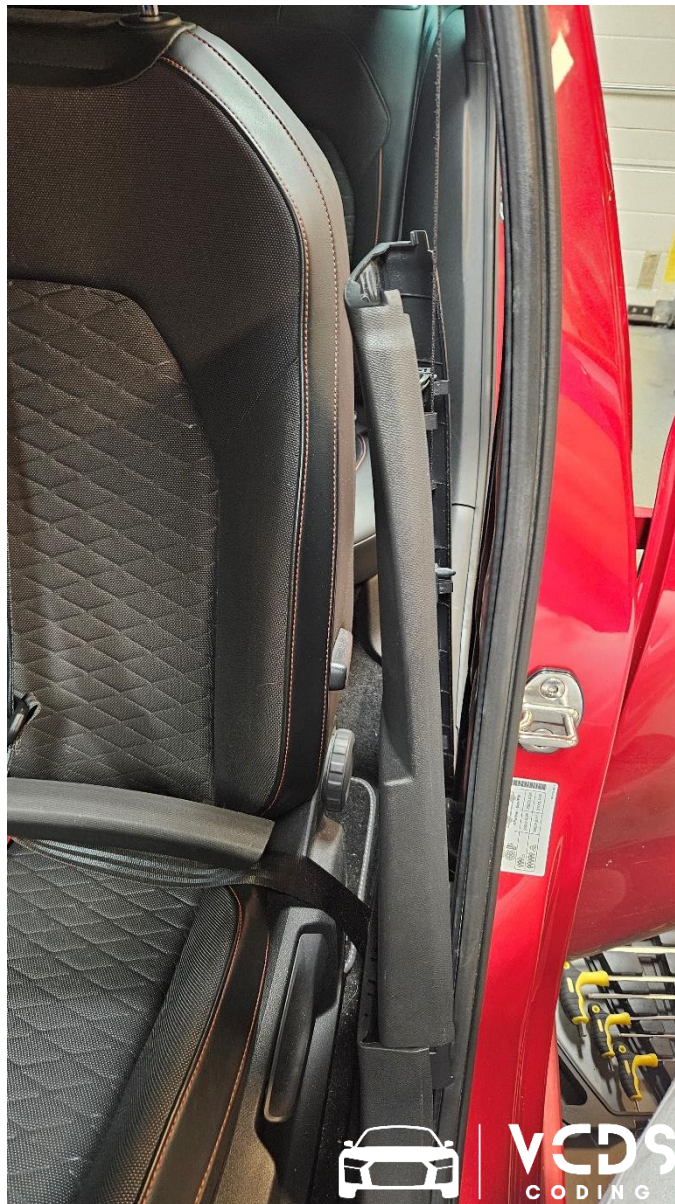


# Wiring inside the car to connect front door and rear door new wiring to get it al working:

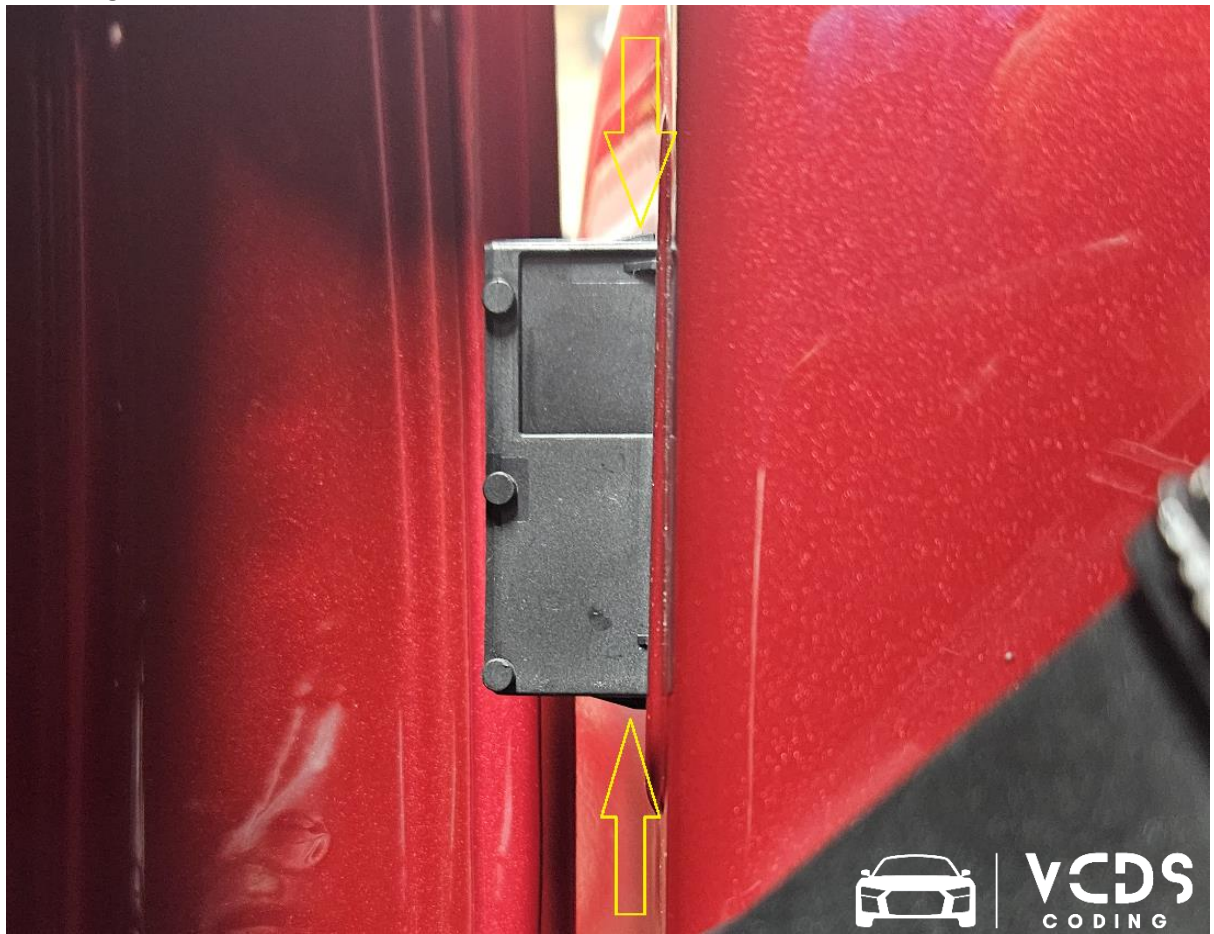
31. Remove upper trim from the B-pillar (both side's) by removing the top parts first:



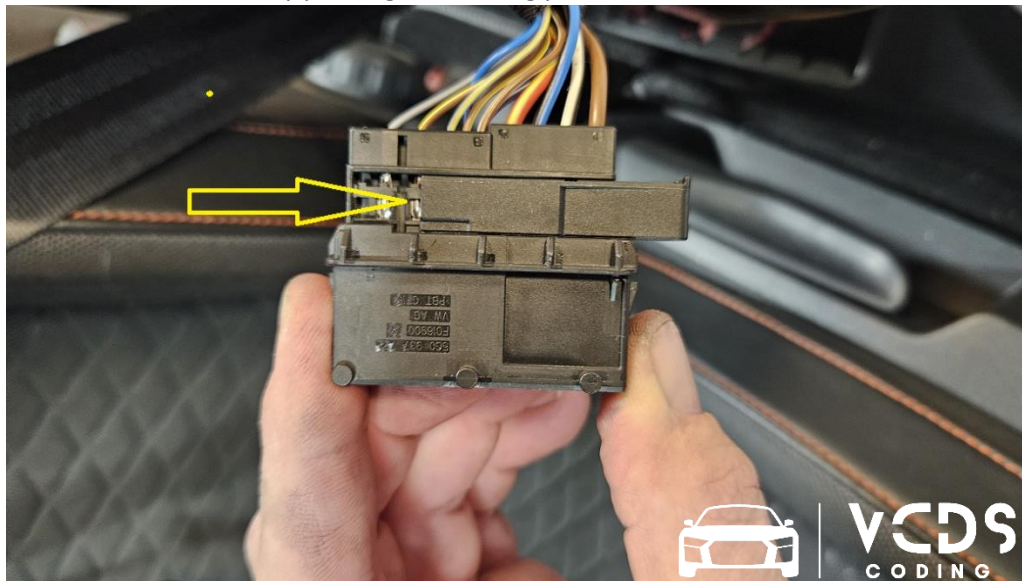
32. Remove the bottom trim of the B-pillar ( both sides) bij pulling it:



33. Disconnect the connector and push the chassis part inside the car. You do this by to pushing in the 2 ridges like below:

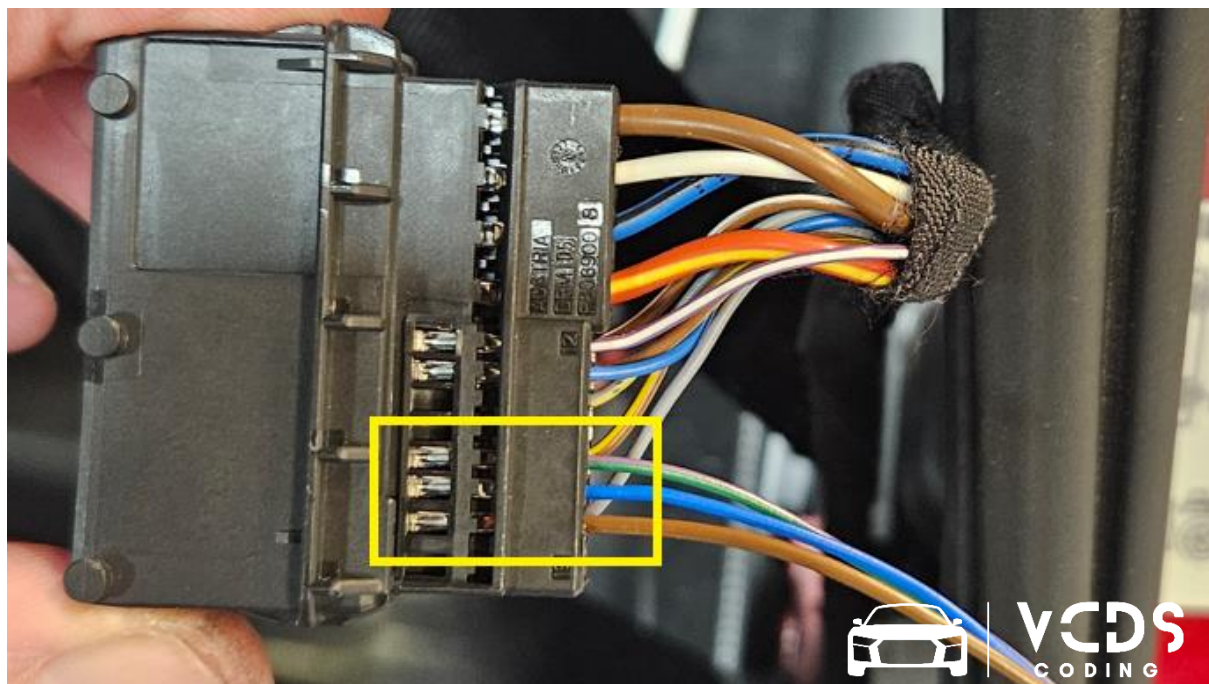


34. Unlock the connector by pushing this locking part:



35. Push in the following 3 pins:

- Signal wire Kessy (**Slot 16**)
- 12V+ Led wire (**Slot 15**)
- Ground wire (Kessy + LED) (**Slot 17**)



36. Put the connector back in the chassis en connect the connector from the door
37. Remove the trim at the **front** bij unclipping and bring the 3 wires to the front connector off the door and find the ground like below and connect the Brown (Ground) wire on that point. This brown wire is coming from the wiring harness from the rear doors. And is de ground for the led and kessy at the doors at the rear.

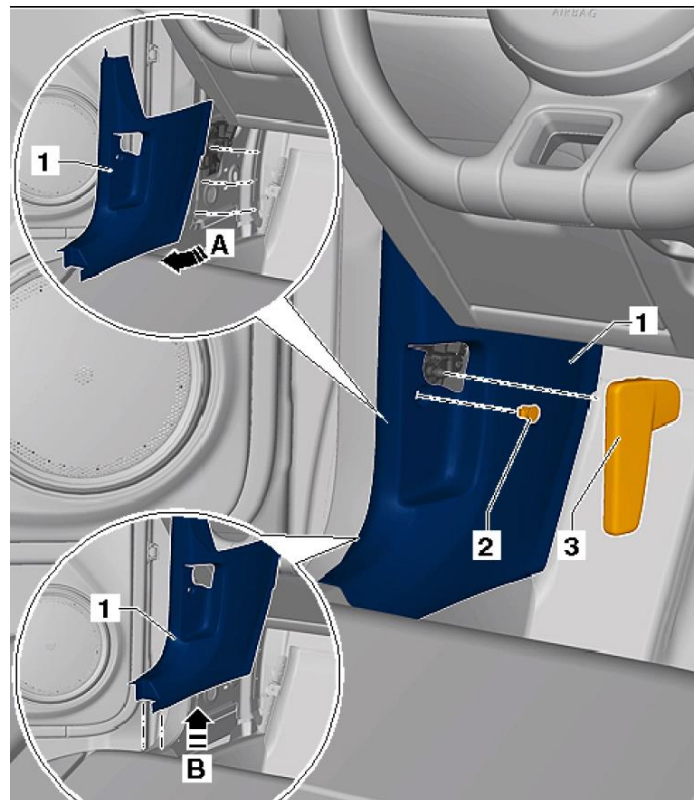


**VCDS**  
CODING

38. Remove the side kick panel at the drivers side by removing the hood unlocking handle first:



39. Remove this and pull out the panel. On the passenger side just pull away the trim.



40. Remove the kicking plate:



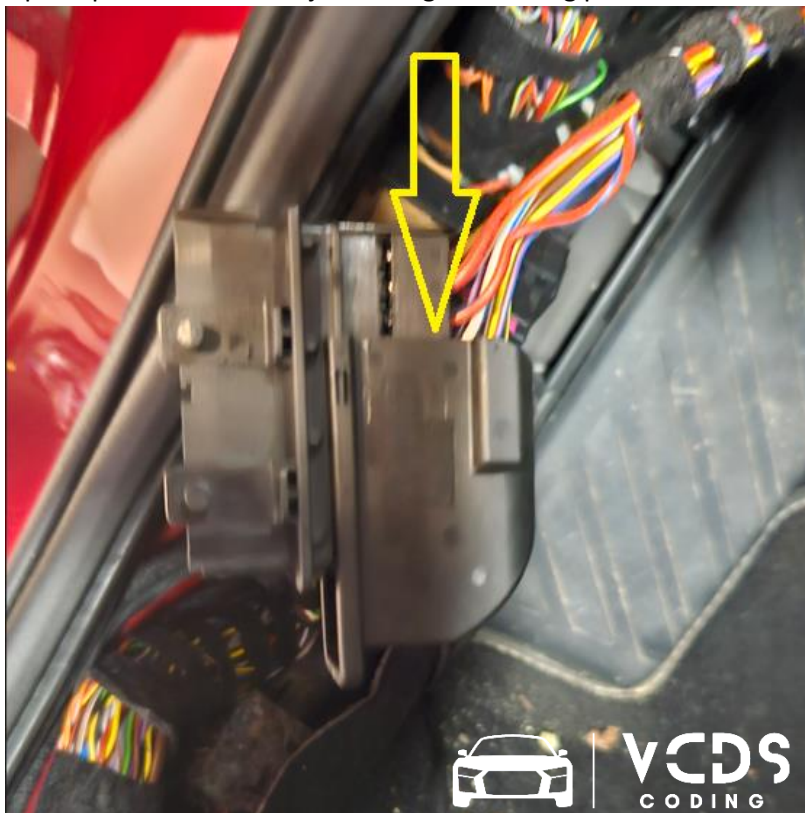
41. Remove the hood opener:



42. Now pull out the connector from the chassis like you did with the rear doors:



43. Open up the connector by removing this locking part:



44. Connect the follow 3 wires coming from the rear door as follows at the front:

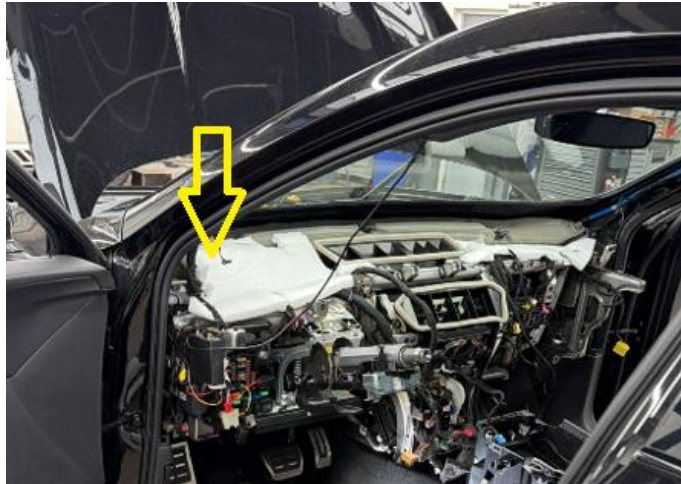
- Signal wire Kessy (wich is coming from the rear) **This wire wont be connected here but you have to bring this to the kessy module under the dash on the left side. Dashboard needs to be removed.**
- Kessy wires from the rear goes to:
  - o Pin 6 rear driver side
  - o Pin 7 rear passenger side
- 12V+ Led wire **(Slot 25)**
- Ground wire (Kessy + LED) **(Needs to connected to the ground point See Step 37)**

45. Remove Dashboard Takes about 1.5 hour

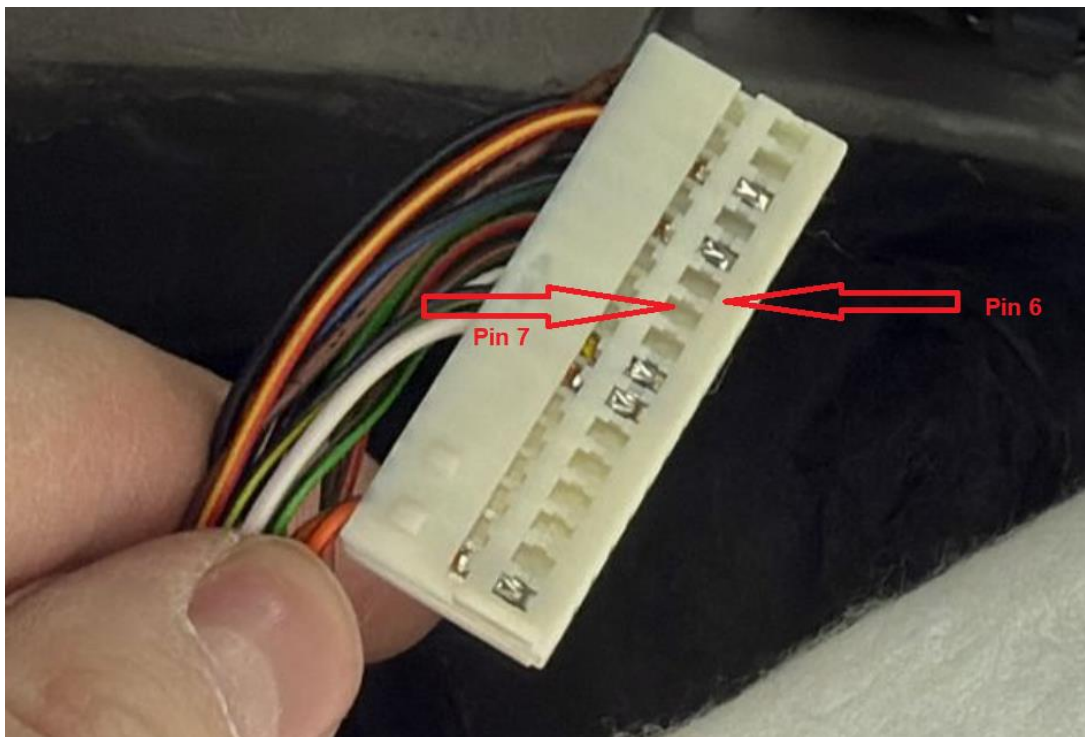
- To remove dash follow the P1 to P4 movies on this you tube channel [https://www.youtube.com/watch?v=A7K\\_SPPmniU](https://www.youtube.com/watch?v=A7K_SPPmniU)



46. Find the Kessy module:



- Pin the signal wire from the rear driver side door on Pin 6
- Pin the signal wire from the rear passenger side door on pin 7



47. Coding Kessy for the rear doors:

- Control unit 09
  - Adjustments:
  - Passive\_EntryExit\_Toggle: [ID: 1191]
  - Passiv Entry Türgriff hinten links activated
  - Passiv Entry Türgriff hinten rechts activated
  - Passiv Exit Türgriff hinten links activated
  - Passiv Exit Türgriff hinten rechts activated
- 
- Control unit B7 [Login code: 10587]
  - Adjustments:
  - Par\_Bedienstellen: [ID: 11A1]
  - Bedienstelle Fahrerseite hinten, Verbauvariante 0
  - Bedienstelle Beifahrerseite hinten, Verbauvariante 0

Lock the car and wait 10 minutes. Then it should work. If you get an error on the rear door handle's you did something wrong.

48. Put everything back and check all functions on the door panel still works and you can test the leds. [Link to movie](#)

