



TESLA OFFER

TESLA MODEL X SMART OPEN INSTALLATION GUIDE

V1.0

NOTE: Installation Precaution

1. It is recommended to have this product installed by a professional to avoid damage caused by improper installation.
2. Do not attempt to disassemble or modify any components included within the kit. Unapproved modifications or evidence of tampering will void any warranty included with the product.
3. Before installation, inspect the vehicle's controls and interior/exterior for any damage or malfunctioning components. Report any damage or non-conformities to the customer prior to installing the product.
4. Inspect the factory lift gate for proper operation and function of lights before installing this product. Improper opening or closing of the lift gate may interfere with the functionality of the Smart Open System.
5. It is recommended to remove or cover any item of clothing (belt buckles, jeans rivets, buttons, etc.) prior to installation of this accessory to prevent damage incurred to the vehicle during the installation.
6. Interior panels that have been removed should be set aside somewhere safe during the installation process to avoid damage.
7. When routing and securing wiring harnesses, care should be exercised to avoid any hot, sharp, or moving objects in the vehicle such as steering column, pedals, dash bracing, HVAC components, etc.
8. Do not deviate from methods of installation in this document. Any damage caused by improper wire routing, incorrect connections, wiring, etc. is not covered under the warranty.

Operation

	Locked (Any Condition)	Unlocked and P	N (Any Condition)	R (Any Condition)	D (Any Condition)
Open	No	Yes	No	No	No
Close	No	Yes	No	No	No

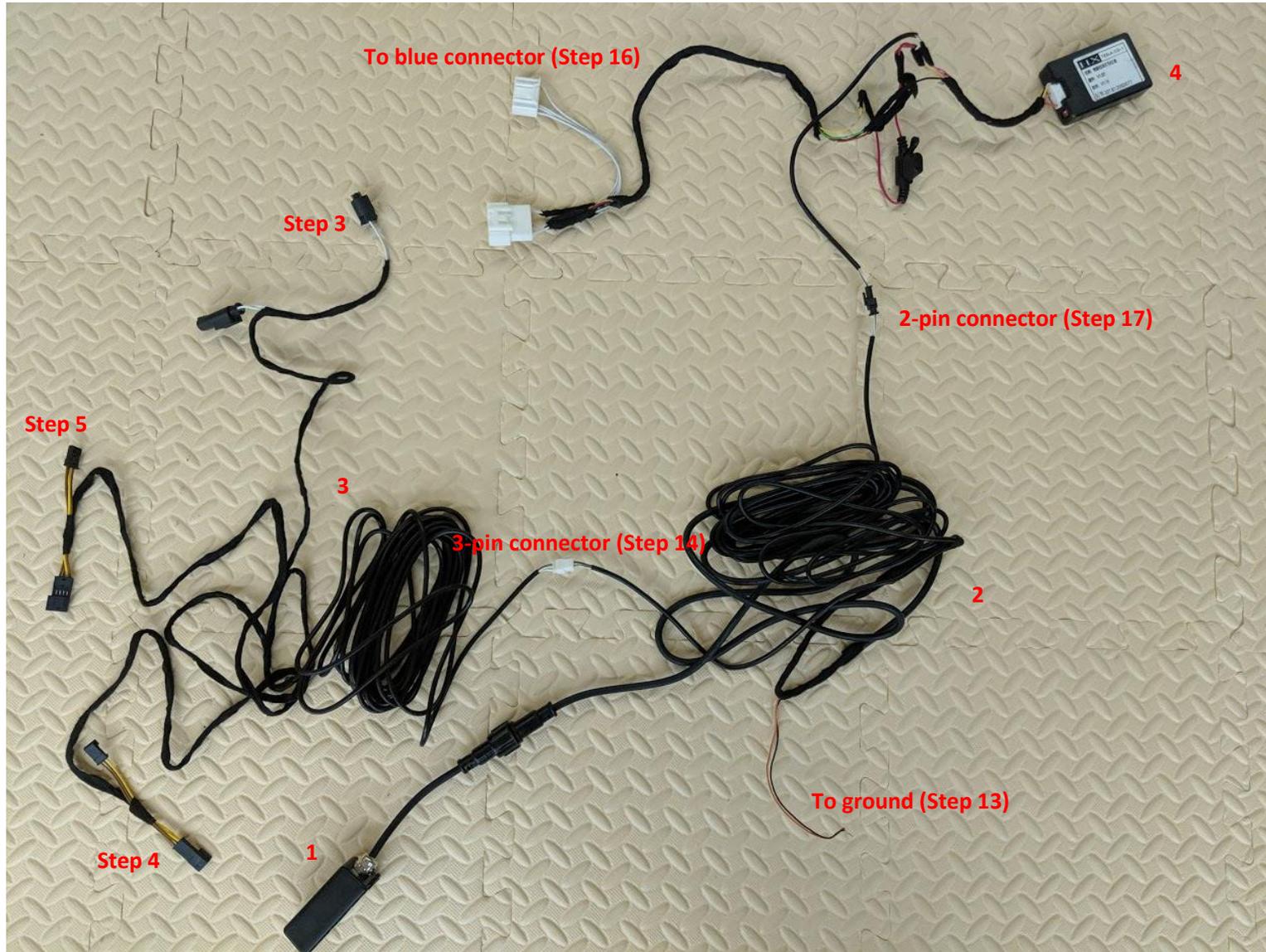
This foot sensor system can only be activated when the car is unlocked and in P mode (or car off mode). It has extra safety feature to disable the foot sensing whenever the car is at non-P mode (N R and D).

Packing List

#	Part	Qty
1	Foot Sensor	1
2	Sensor Wire	1
3	Tailgate Wire	1
4	Can Decoder (With Wire)	1

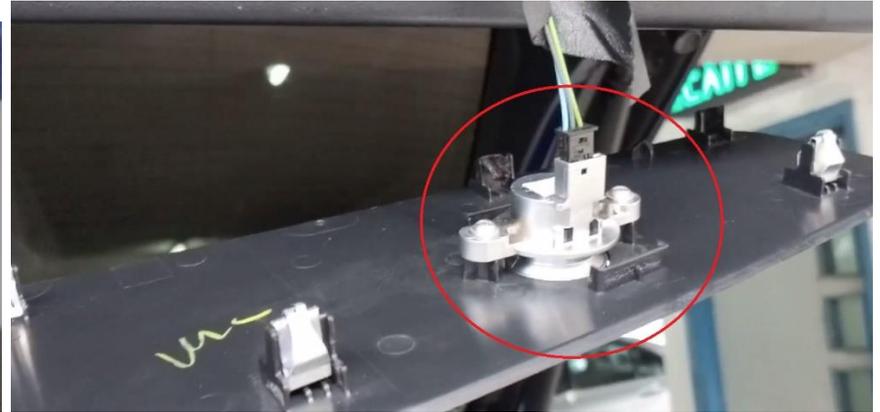


Wiring Details

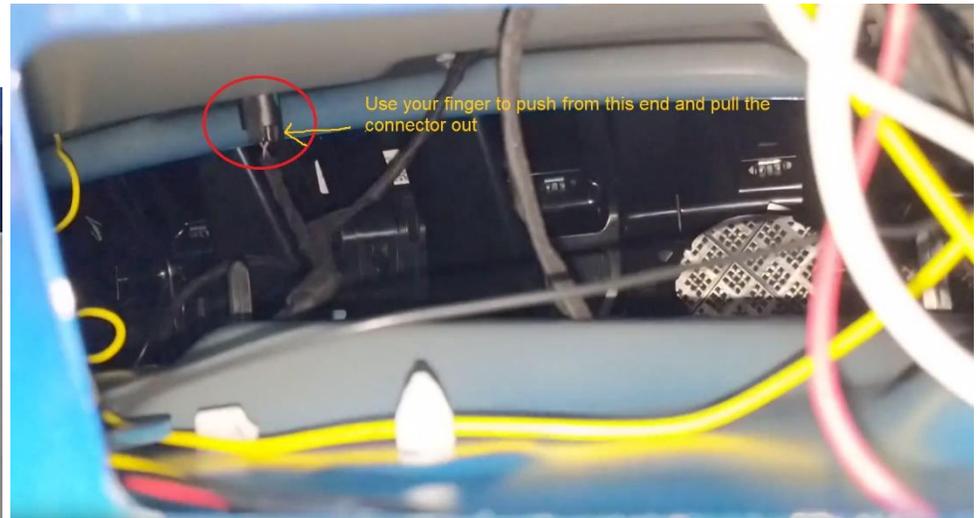


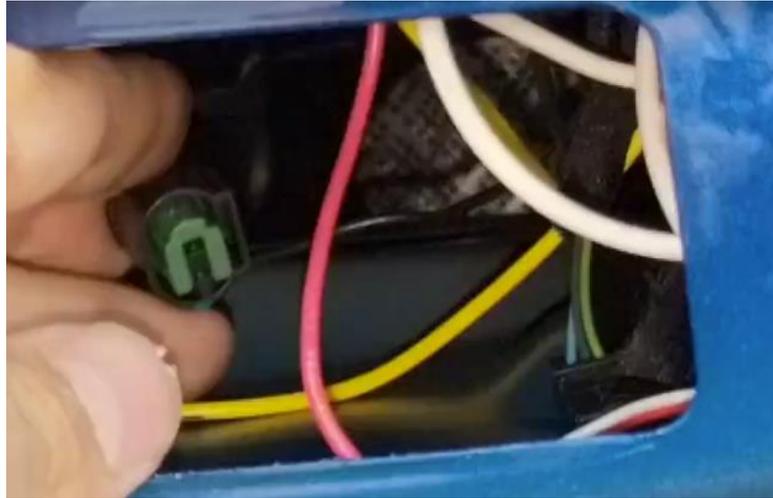
Installation

1. Open the liftgate and pry out the Flat Panel Piece (The piece with with the liftgate close button). Disconnect the liftgate button.

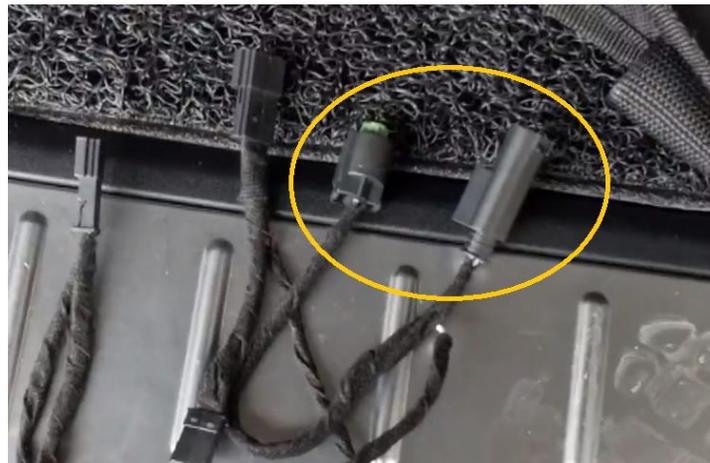


2. Unplug the connector indicated in the picture. It's in the area behind the top of license plate. We suggest not removing the liftgate trim piece and unplug the connector by inserting your hand through the little hole indicated. It's a bit difficult to reach but doable.





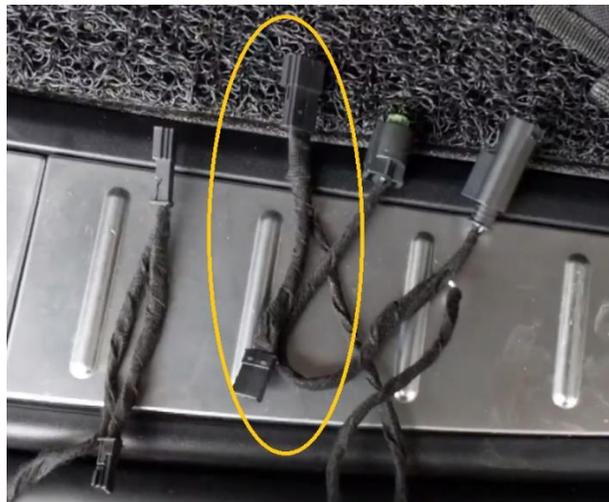
3. With the tailgate wire set (Item 3), locate the corresponding connector pair, and connect the unplugged connector in step 2 into the male connector, and insert the female connector back into the location in step 2.



4. For the 3-wire connector pair, connect one end to the liftgate button connector, and connect the other end back to the liftgate button later when you install the trim piece back.

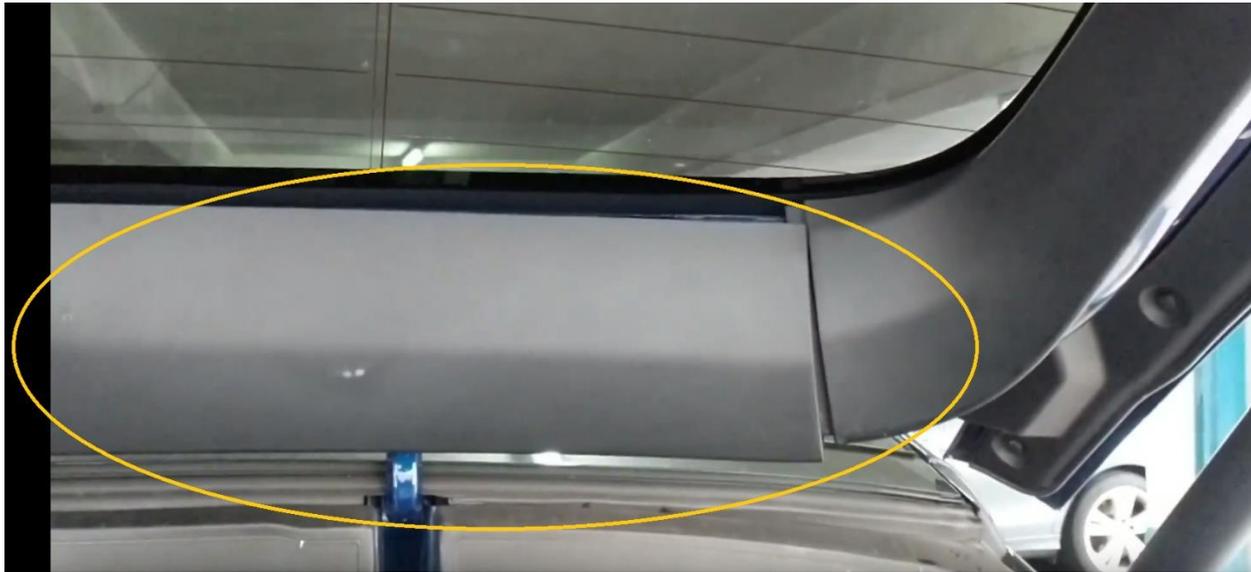


5. Tap the 4 wire connector pair, disconnect the 4-pin connector from the lock unit, and then attach the detached connector into the male side of the connector pair. Attach the female end back to the lock unit. In case you find it too difficult to pull out the 4-pin connector, try to pull the liftgate trim piece down to loosen some clips to allow more room to remove the connector.

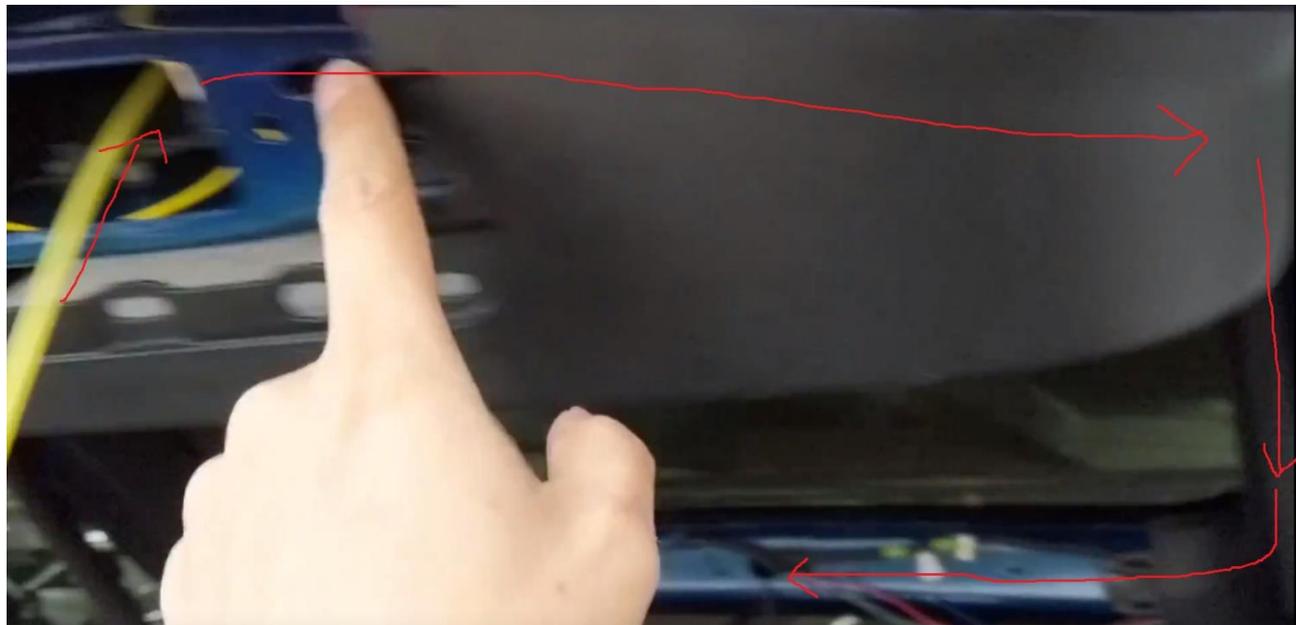


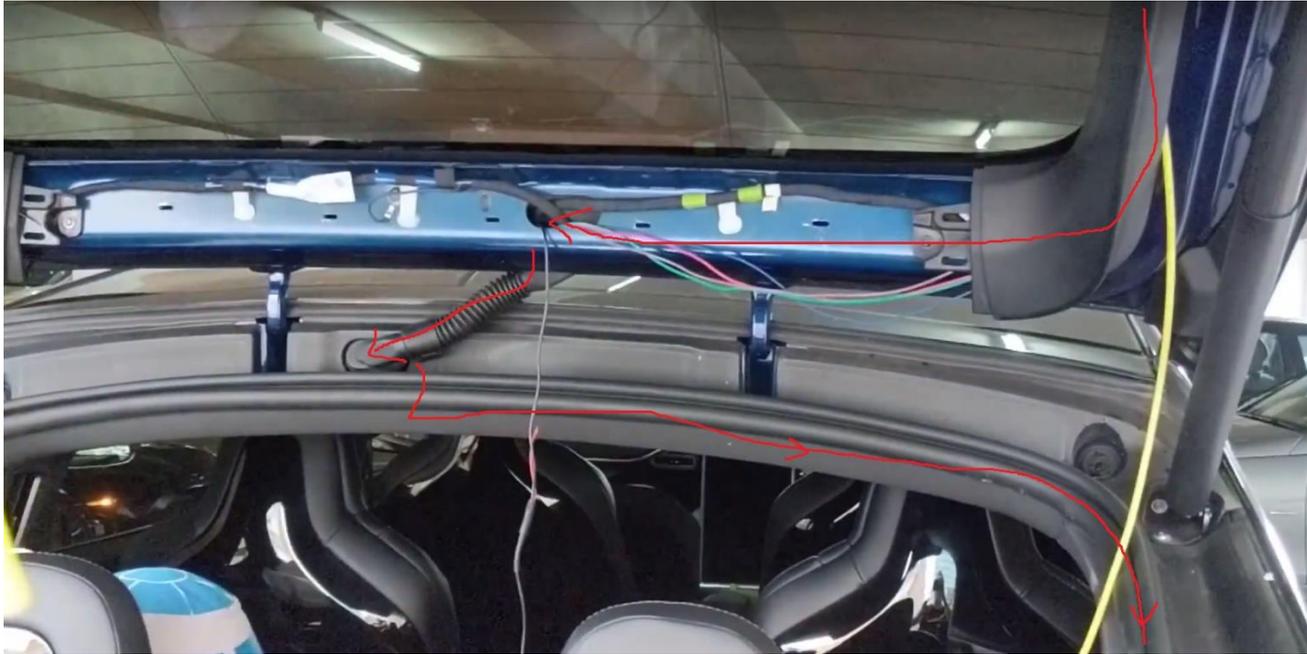


6. Now run the other end of the wire back to the trunk area. Remove the trim panel indicated, pry on one end and loosen the clip, and pull out straight. After removing the panel, unscrew the torx screw indicated (This helps in running the wire without removing the side panel).



7. Use a snake wire to route the wire from the liftgate back to the trunk by following the indicated route. Go through the rubber tubing to get the wire into the trunk area (some dish detergent as lubricant is recommended).

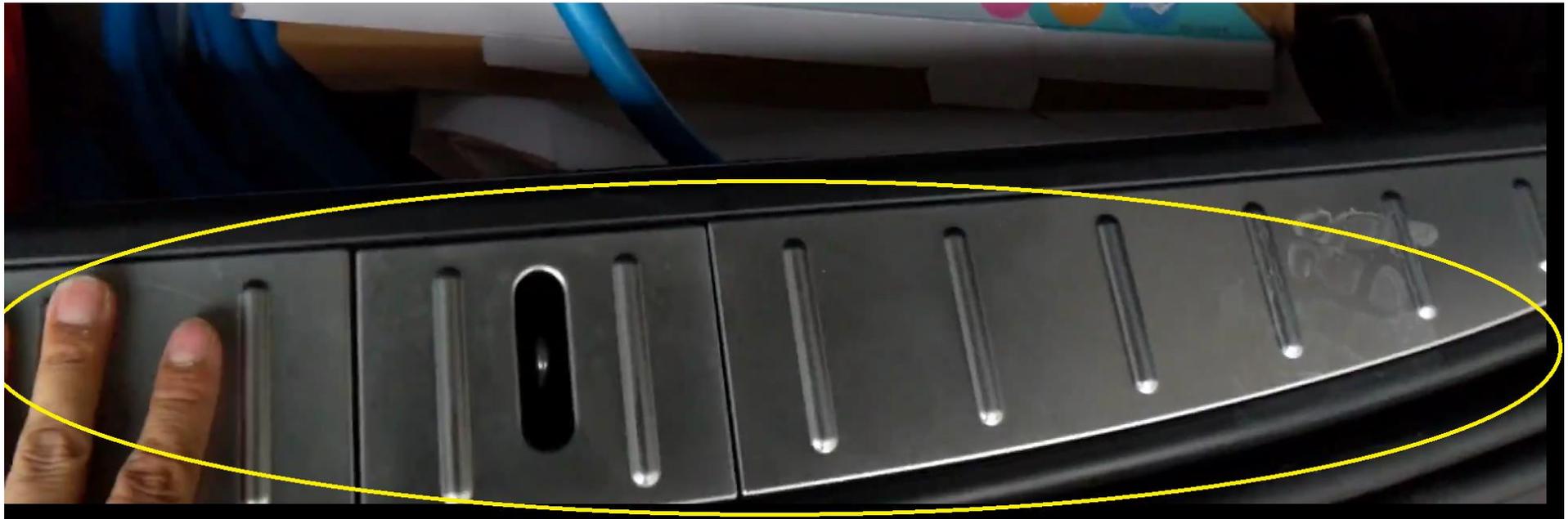




8. Remove the two trunk trim pieces on two sides. After removing the piece, it would reveal a torx screw in the lower portion. Unscrew the screw indicated (on both side)



9. Now remove the middle trim piece. Pull it straight out.



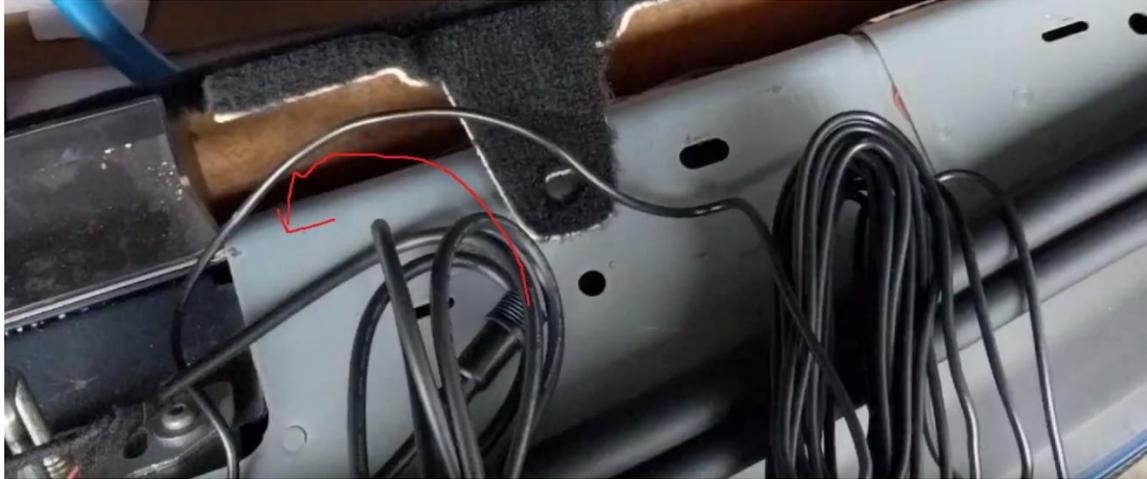
10. After removing the middle trim piece, you can see 4 clips holding the carpet. Pry them out. After removing the clips, pull out the carpet lining a bit.



11. Now pry out the little plastic cover located in the bottom of the rear bumper. There's two clips holding the cover, just pry them out.



12. Now you can run the sensor wire (the end with the sensor connector) to the bottom of the rear bumper where you pry out your cover.





13. On the same wire, there's a naked black and red wire, connect them to ground. (You can find a spot in the indicated location)



14. Now, connect the three-pin connector of the sensor wire to the tailgate wire (which you have already wired into the trunk area), and then run the longest part of the wire to the touchscreen area. (More detail of the routing can be found on our Youtube video: https://youtu.be/Utvrrz_C9nw)



15. Remove the cubby drawer below the touchscreen. To remove it, put your both hands into the cubby drawer and push it downward.



16. Locate the blue connector head in the right side. Connect the white female connector of the decoder cable to the blue connector. Check if the decoder's red light is on.





17. Connect the two-pin connector from the decoder wire to the two-pin connector from the sensor wire that was shown in step 14. You can hide the decoder and the wires at the same spot where the blue connector was hidden.



18. The last step is to place the sensor and connect the sensor to the sensor connector. If you have no intention to use the tow hitch, you can just put the sensor (using the double side tape, the tape side facing down) on the inner side of the cover. If you need to use the tow hitch, you can put the sensor slightly left or slight right as an alternative location (indicated in yellow circle).





19. Now you can test the system. Make sure the car is unlocked and try to test the system. Don't try to put your foot under the sensor for too long (0.5 to 1 sec is recommended) or it will not trigger the system. Enjoy.

