

Tesla Model X electric frunk installation instructions



After- installation instructions

1. After the installation is completed, **please do not install the trim panels**, you must do the following test step: Before closing the panels, please use a screwdriver to close the lock, and then press the front button to confirm whether the lock can be unlocked.

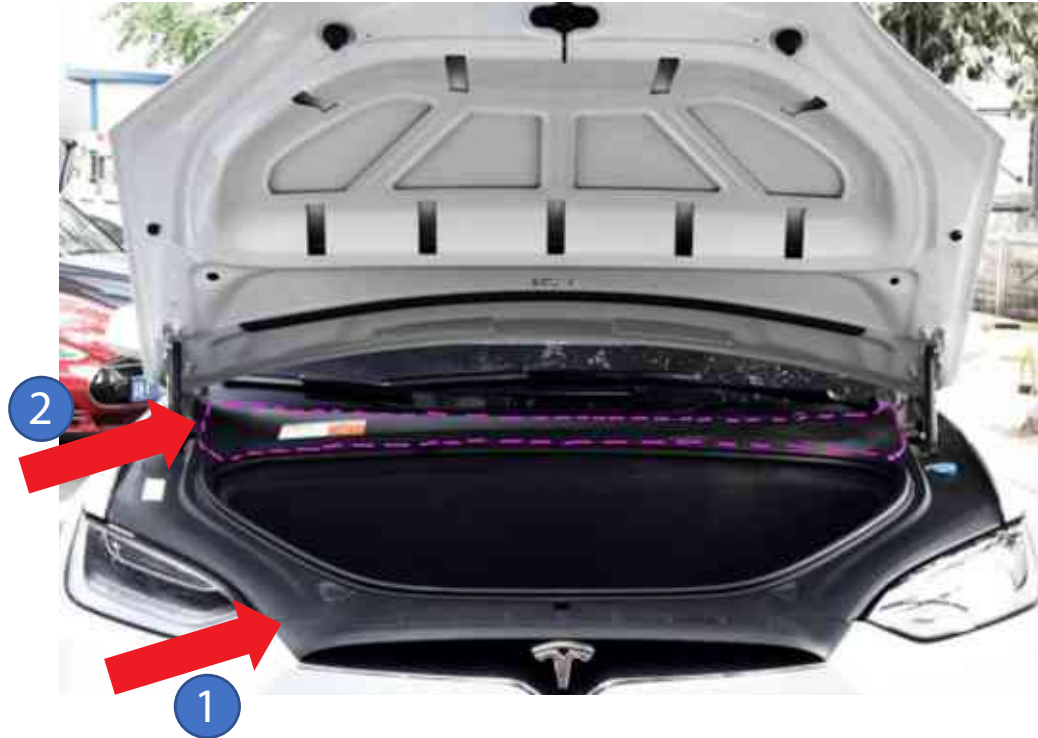
(The above step need to performed twice and confirmed clearly).

If you can not unlock the lock block , please check the wire and the plug are connected and plugged in. Meanwhile, **do not close the front cover until you passed the test step**

2. In the unlocked status, push the frunk to the highest position, **click the frunk button** , the frunk will close automatically, and the frunk will be locked by the electric suction lock. (If the electric suction does not suck the lock well at this time, please push the frunk to make it closed by hand.)

3. After the frunk is closed, double click the car key or press the central control screen frunk button, the frunk will open. After the frunk is fully opened, push the front cover to your ideal height position, than , **long-press the frunk button to set the frunk height** , then click the button to close the frunk, and the electric suction lock will automatically lock the frunk, this is tocomplete the frunk height set.

1. Removal of the front trim panel



Open the trunk and take the trunk waterproof seal out first.
Next, remove the panel as shown.

2. Removal of the front trim panel



Remove the remaining trims in order. First remove the two side panels, then remove front trim, after removing the trim, remove the 2 lamps in the trunk, and take out the flannel trim.

3. Removal of the front trim panel



Remove the 20 screws as shown in red circle,
Then take out the frunk box.

4. Remove the panel board and take off the front trunk button



5. Remove the panel board and take off the front trunk button



Remove the buckle of the first panel and then remove the second panel.

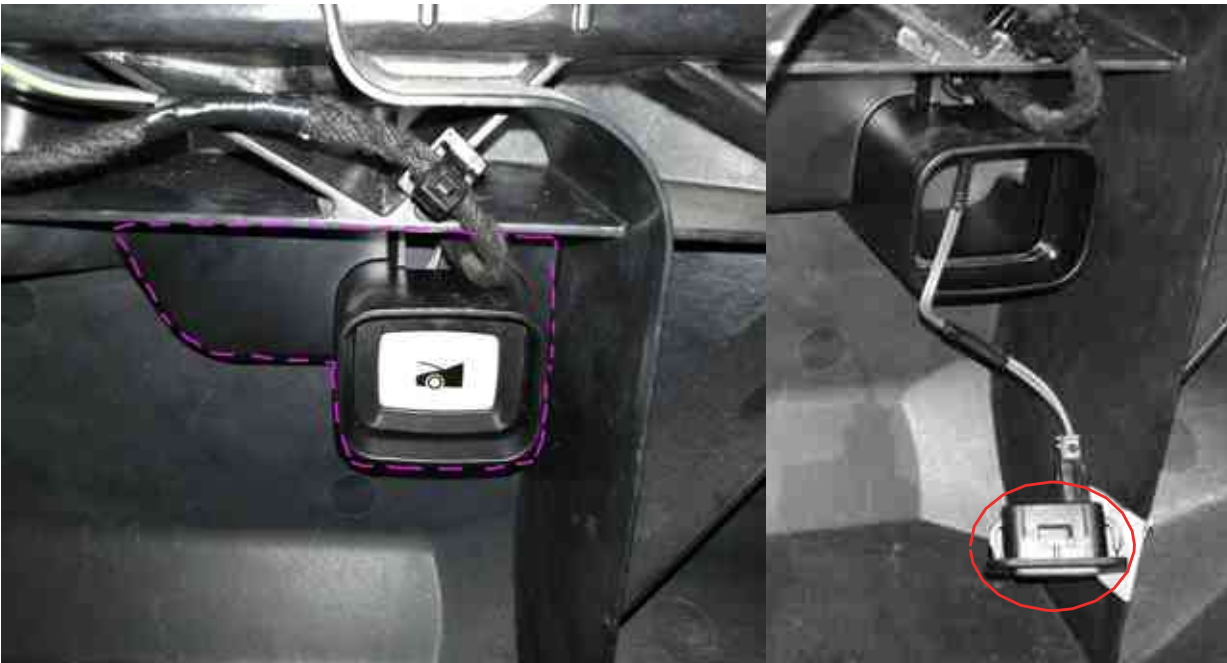
6. Remove the panel board and take off the front trunk button



After removing the two panels with the logo, you can see the screws on the back of the front cover button.

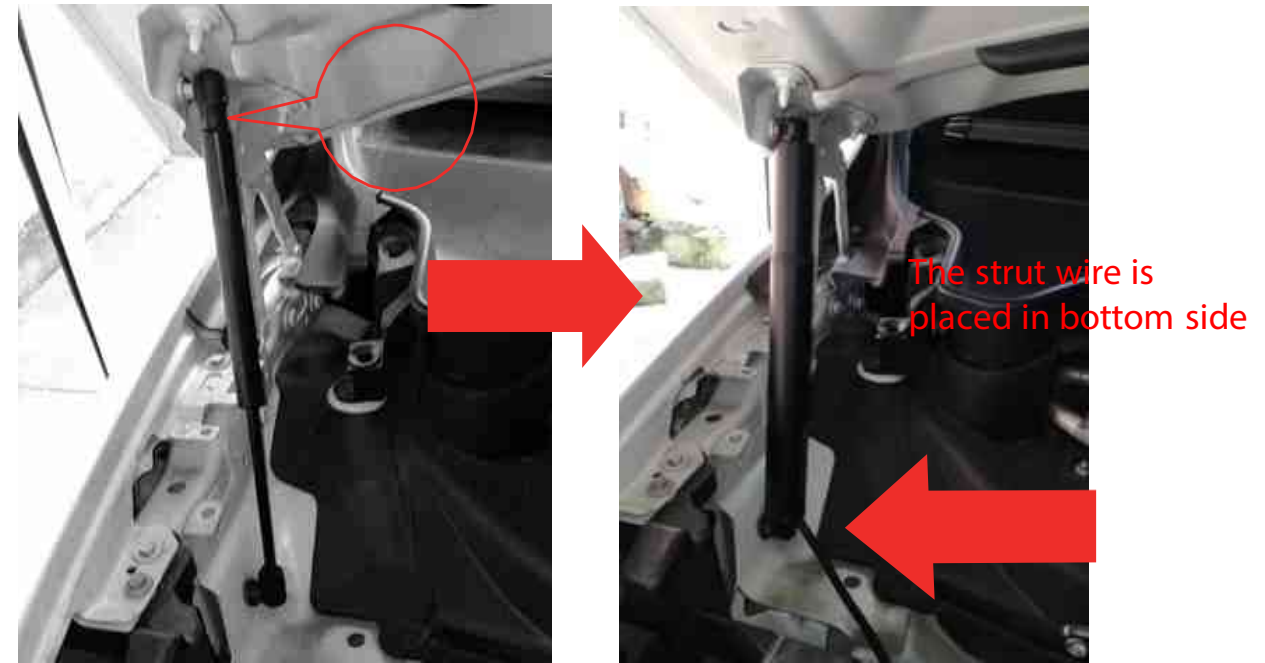
Remove these 2 screws.

7. Remove the panel board and take off the front trunk button



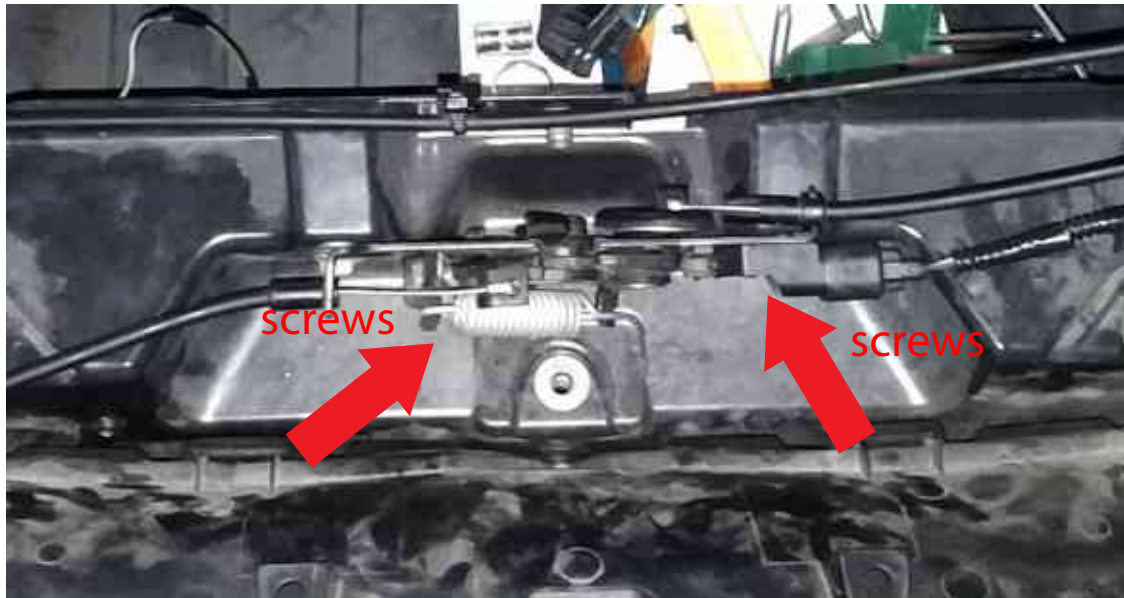
Take off the front button.

8. Remove original strut and install power strut



Use a small screwdriver to lift the steel spring on the back of the ball and remove the strut. Replace it to our electric struts. (The figure shows is the installation method on the right side)

9. Installation of the electric suction lock



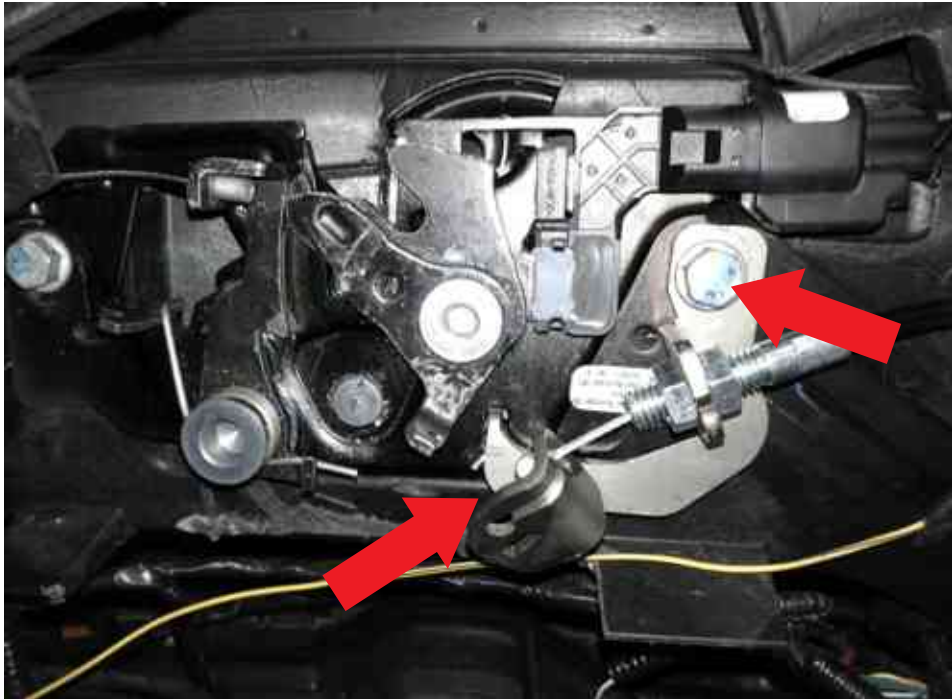
Mark the lock block installation position first, then remove the original car lock block plug and the pull cord. Use a wrench to loosen the lock block screws and take out the lock block.

10. Installation of the electric suction lock



Remove the original car lock block spring

11. Installation of the electric suction lock



Mount the bracket of the electric suction lock to the original car lock hook hole, install the bracket to the screw on the right side as shown.

12. Installation of the electric suction lock



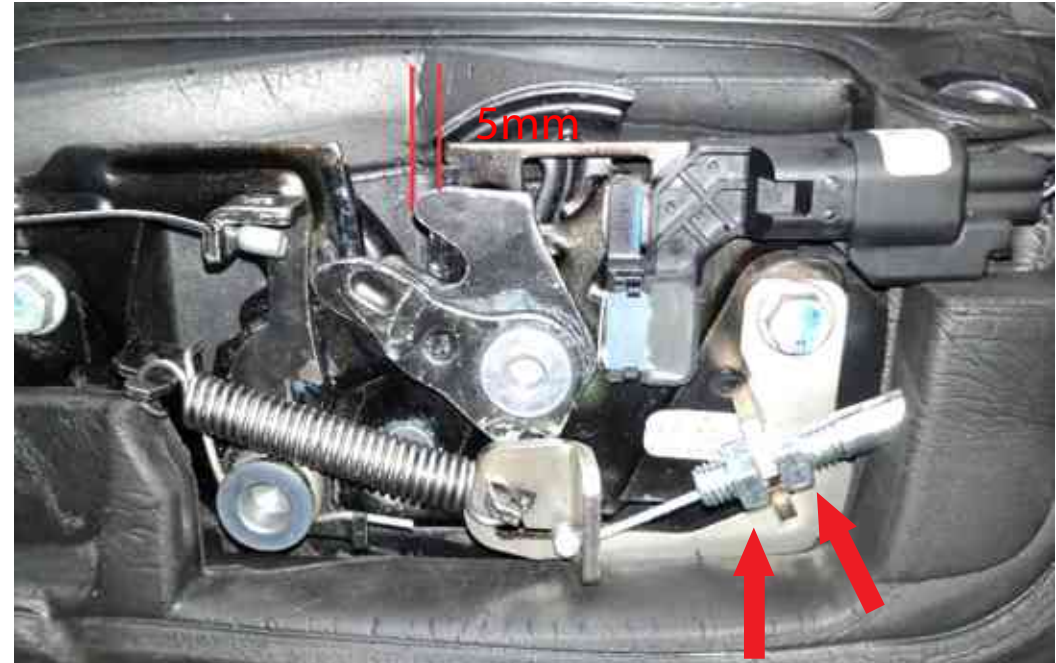
Install the metal bracket with the pull wire as shown. (position of the spring hook).

13. Installation of the electric suction lock



Place our spring to the original spring position.

14. Installation of the electric suction lock



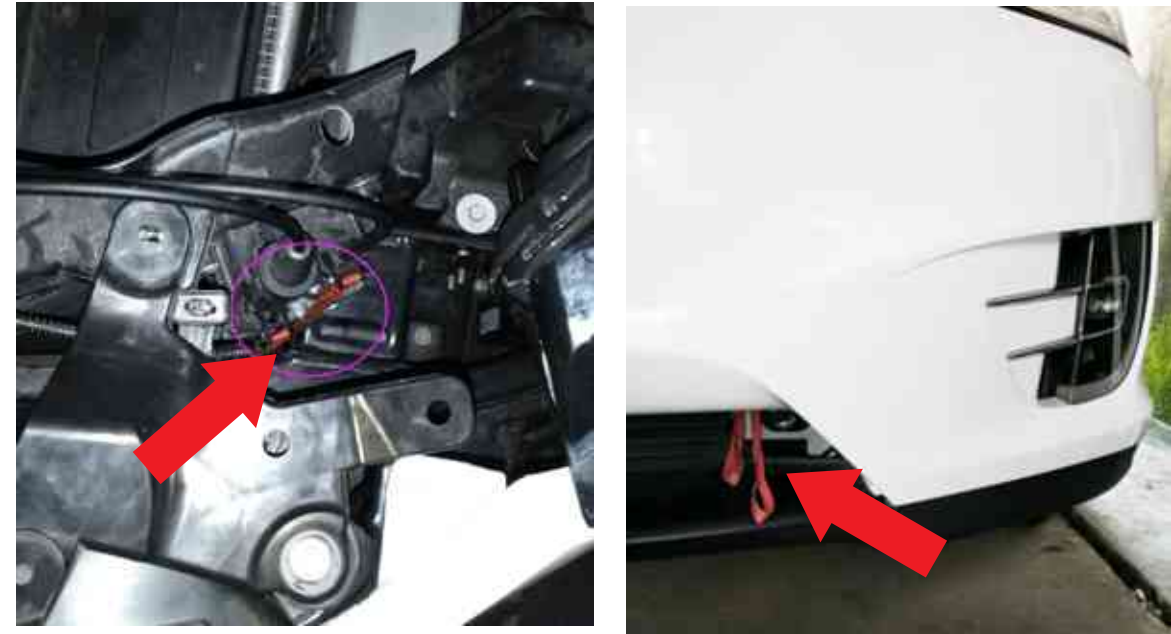
After finish the installation, please try to make the electric suction work several times. If the lock hook does not hang the door lock ring and fails to suck the door down or the door lock ring is closed and hits the lock hook. Please adjust the two nuts shown in the figure, make the hook move about 5mm left from central, to make the latch can go into the hook easily when closing.

15 . Installation of the electric suction lock



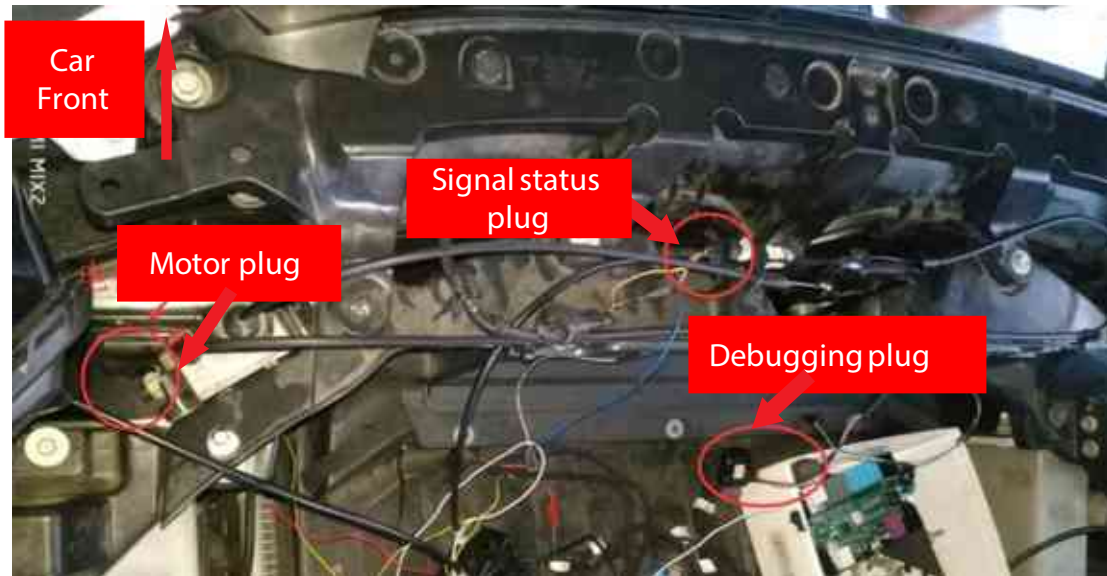
The electric suction lock must be installed under the original car lock block (behind the front bumper) and secured with a tie to prevent water ingress.

16. Installation of the electric suction lock

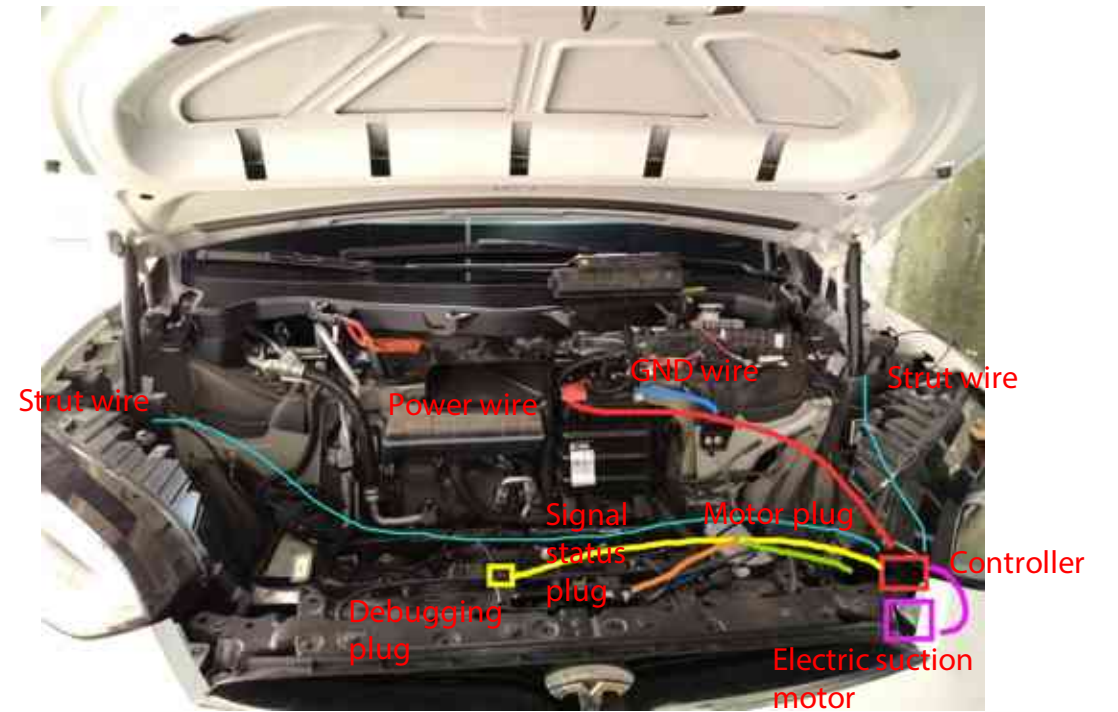


Take the emergency pull cord of the actuator of the electric suction lock to the vicinity of the through - hole at the bottom of the right side of the figure, and fasten it with the cable tie to keep the tension pull ring in the loose reset status.

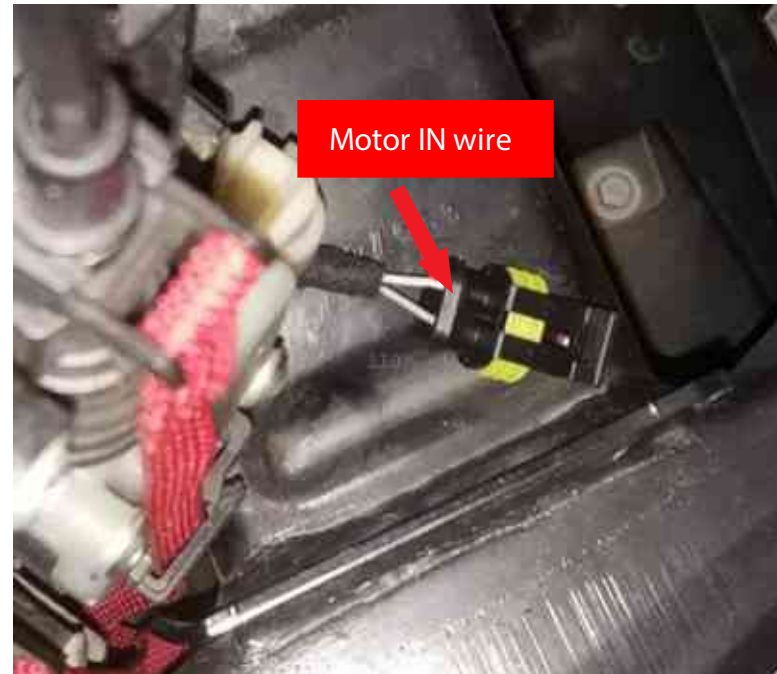
17. Installation of wire harnesses



18. Installation of wire harnesses



19. Installation of wire harnesses



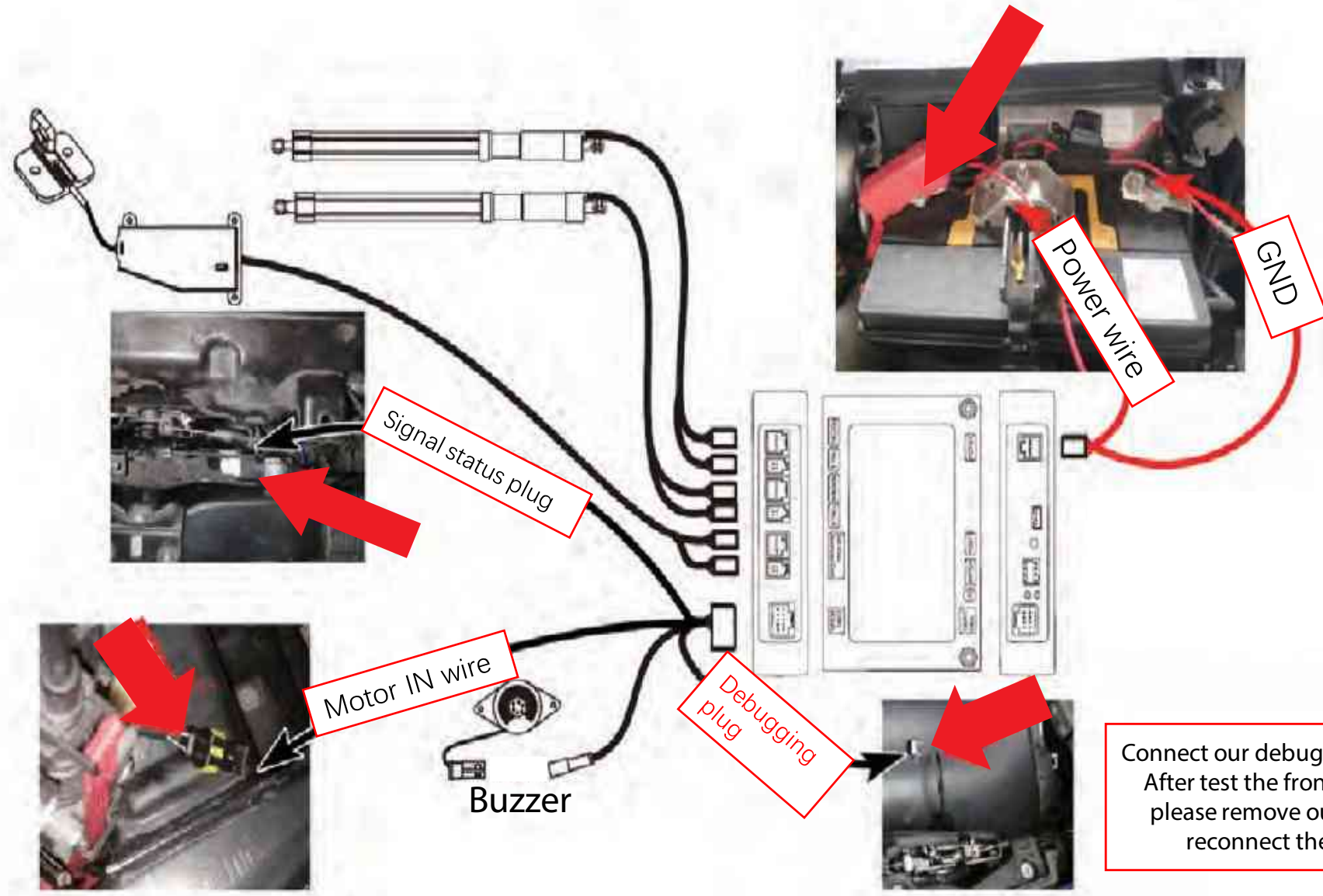
Motor plug position is here as shown, find the Motor plug, connect our yellow motor IN wire to the white wire of the motor plug.

20. Wiring diagram 04.



Note: After all the plugs of the control box are plugged in,
Put the control box and buzzer in our anti - static bag, tie all
the harness with a tie, and tie the mouth of the anti - static
bag.

Place it next to the battery as shown in the illustration.



Connect our debugging plug to front button.
After test the front button function is ok,
please remove our debugging plug and
reconnect the original connector.

Note:
Wire harness not mentioned in the figure does not need to connect .



1. control box
2. Strut- L
3. Sturt- R
4. Soft- close electric suction motor
5. Spring
6. Battery wire 12V
7. GND
8. Buzzer
9. debugging plug
10. Strut power plug and Hall plug - L
11. Strut power plug and Hall plug - R
12. Cable tie and Double - sided tape
13. trunk plug not applicable in frunk
14. Lock bracket
15. steel wire
16. Emergency lock wire
17. Signal status plug
18. Motor IN wire (yellow wire)
19. Soft - close electric suction motor plug
20. Power fuse wire
21. Status signal plug
22. Buzzer plug
23. Light plug, useless in Model X

height adjustment

To adjust the tailgate to the appropriate height, press and hold the tailgate button for 5 seconds, and hear a long beep that indicates the height setting is successful.

speed adjustment

The tailgate switch speed is divided into 5 speeds, the default is 4 , the lowest 2 , and the highest 6 . Press and hold the tailgate button. When the buzzer sounds 2 consecutive sounds, it means that the speed setting 2 is successful. When the buzzer is heard for 3 consecutive sounds, the speed setting 3 is successful, and so on.

After the installation is completed, the controller needs to be matched when the power is plugged in: the electric frunk is adjusted to the highest position, and the frunk button is pressed for 5 seconds. After a long beep, the button is released, indicating that the matching operation is completed. (If the power is removed from the car, this procedure is required to be redone).

	Original front button	Key remote	Mobile APP control	Central control LCD screen control
Open the tailgate	Press once	Double press	Click on the frunk icon	Touch screen frunk button
Close the tailgate	Press once	Double press	Click on the frunk icon	Touch screen frunk button

Note: The installation instructions may differ slightly from the actual operation. If there are any differences, please follow the actual situation or contact us.

Electric tailgate strength adjustment method



Press and hold for 3 seconds, then press for another second to increase the strength of the electric tailgate (a total of 5 intensity adjustment)

Tailgate strength adjustment:

Adjustment when the trunk cannot be opened or the trunk cannot be closed:

Adjust position: The small black button of the control box (decoder).

Tuning method:

First, the trunk can not be opened (the trunk opening is not good):

1. Press and hold the small black point switch on the control box to adjust the strength of the opening tailgate . Hold the black dot 3 seconds, Then, Press and hold the switch, the buzzer will beep 1 to 5 times, 1 sound is the smallest strength, 5 sound is the strongest, and the factory default is 1 sound;

Second, the door can not be closed (the door closing strength is not good):

1. First, use a screwdriver turn the tailgate lock to close status. (equivalent to closing the door, you must make the tailgate lock in lock status when adjusting the closing force), and then press and hold the small black point switch on the control box to adjust the closing strength. The strength, long press the switch buzzer will ring from 1 to 5 times, 1 sound is the smallest, 5 sound is the strongest, the factory default 1 sound, generally adjusted to 3 sounds, test the closing strength, if still feel not good, try other strength;

Trunk speed adjustment:

The speed is divided into 5 levels, and the default is 4 level. The lowest 2 level, the highest 6 level. Press and hold the tailgate button over 5 seconds. When you hear 2 beeps, the speed of the 2nd level is set successfully. Press and hold the tailgate button. When you hear 3 beeps, the speed of the 3rd level is set successfully. Press and hold the tailgate button. When you hear 4 beeps, the speed of the 4th level is set successfully. And so on.