

# Electric Tailgate Lift System Instruction Manual

## For Land Rover Defender 2020+

Function Desc.:

Function display			
Car year	Change rear tailgate button	Connect yellow unlock signal wire	With front switch at cab
2020+	Yes	Yes	Yes
Change original brackets	Car key remote control	Double poles	With suction
No	Press unlock button on car key for three times	No, single	Yes

### Height Setting:

1. Long press the tailgate button until you hear the first continuous beeps and release your hand, this is the height memory.
2. Long press the tailgate button until you hear the second beeps, release your hand and this is for increasing the anti-pinch force, heavy close door. ( This function is also suitable for the lock actuator without suction after wire harness finished and switch program.)
3. Long press the tailgate button until you hear the third beeps, release your hand and this is for speeding up the door closing.
4. Long press the tailgate button until you hear the forth beeps and release your hand, this is for return to standard factory settings and soft close the door for anti-pinch..

Tips: Make sure to listen carefully to the beeping signal for the above operations.

**长按尾门按键  
设置高度**

Long press tail door button  
to set tail door height

- ◆ 长按尾门按键，听到连续响声滴滴松开，即可记忆高度。
- ◆ 长按尾门按键，听到第二次响声滴滴松开，增大防夹力度（此功能适用于排查完安装线束等无法吸锁时切换程序）
- ◆ 长按尾门按键，听到第三次响声滴滴后松开，加快关门速度。
- ◆ 长按尾门按键，听到第四次响声滴滴后松开，即可恢复原厂设置。

**温馨提示：**  
以上操作，请务必认真聆听读取信号，信号输出段即听到第一次滴滴响声后不松手，进入第二滴 滴滴，以此为例进入第三四次。



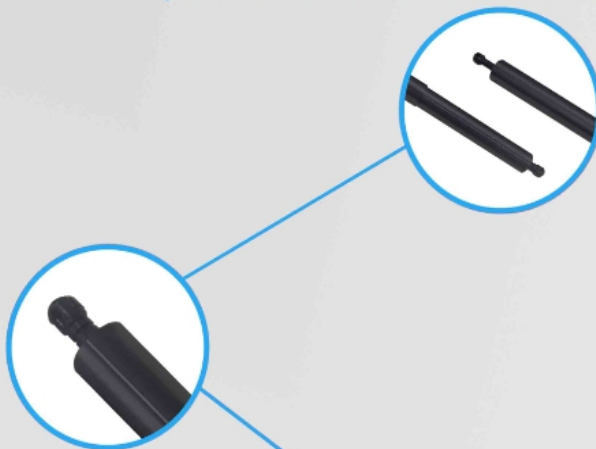
## Electric Tailgate Lift System

### 1.Attentions:

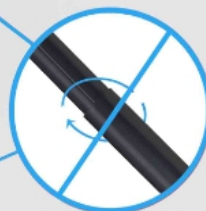
- All the pictures in this manual are for reference only , pictures and real objects may be different , but the installation method is the same;
- Please read this instruction carefully before your installation ; take care of the car surface during installation;
- Please check regularly all the connected accessories for any loose to ensure safety use;
- Warm Tips:

### Warm Tips

If spindle bolts' direction on both sides are inconsistent,



Just use a spanner to fasten the spindle bolts at the Non-Wire side., then softly rotated. It can' t be rudely turned to avoid any damages.









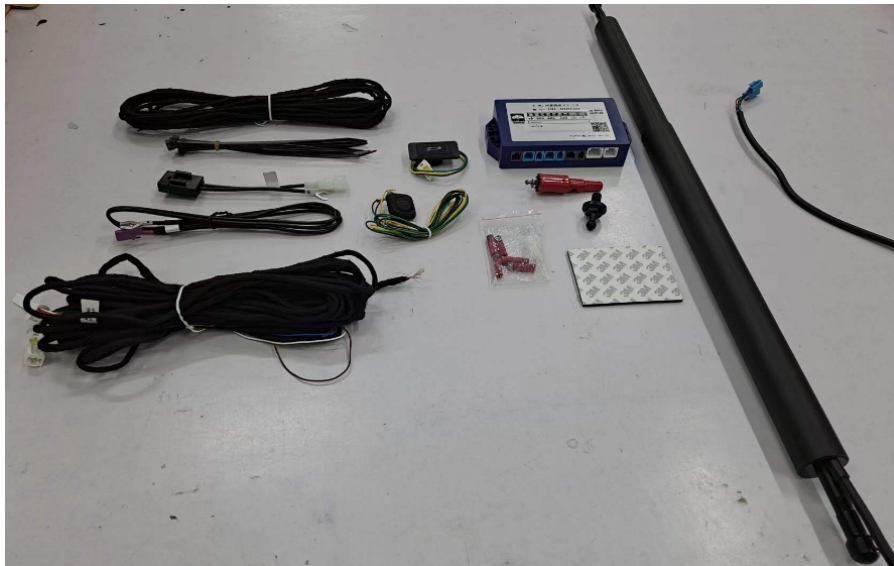
NO Spindle Body Rotation to avoid structure damage!!!



If the little iron sheet (see the red circle) is loose during rotation period, please adjust it with spanner to the original position.

## 2. Accessories List

Parts	Qty	Parts	Qty	Parts	Qty
<b>ECU control box</b> 	1	<b>Spindle</b> 	1	<b>Wire harness</b> 	1
<b>3M adhesive</b> 		<b>Front switch at cab</b> 		<b>Rear tailgate button</b> 	1



## Car Appearance



**Installation steps:**

**a. Remove the interior trims as follows:**

Refer to the parts list and parts drawing to check if all are in full.  
Remove the trim board.  
First remove the tripod and remove the screws.



Remove the trunk latch cover as shown.



Remove the original car wiring strip as shown.



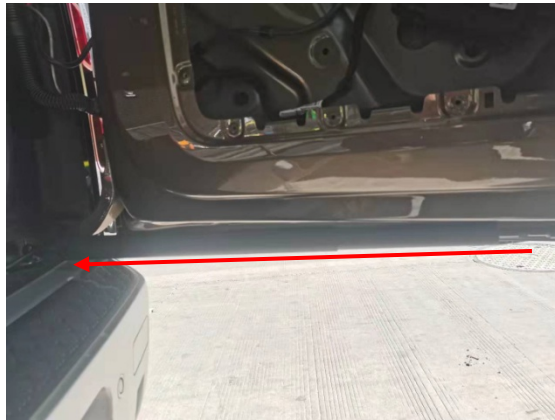
Remove the struts of the original car.



**b.Install struts, describe as below,**

**Install Strut :**

Remove the original bolt head and install the bolt head provided in the product as shown.



**Install the strut:**

The wire with motor side is on car body. As shown, the motor wire goes through from here to car body.



c. Threading, describe as below,

Place the ECU to the tail door and fix it with 3M adhesive.



Pass the signal wire (blue & brown) and white wire through the threading rubber sleeve into the car trim board.



Pass the signal wire yellow line from tailgate to B pillar as shown.



Pass the rear tailgate button line to the left side of tailgate as shown.



**e . Threading, describe as below,**

**Connect signal wire**

**(blue)** : Unplug the connector from the original car lock, Unplug the male connector to the female connector, and then the male connector into the original car on the female connector.

**Or direct wiring :**

The blue line of wire harness is connected to the first black line of the original car plug as shown.



**Connect state wire (brown):**

Unplug the connector from the original car lock, Unplug the male connector to the female connector, and then the male connector into the original car on the female connector.

**Or direct wiring :**

The brown line of wire harness is connected to the third PIN black line of the original car plug as shown.



**Connect clasp handle bar white wire :** Unplug the connector from the original car lock, Unplug the male connector to the female connector, and then the male connector into the original car on the female connector.

**Or direct wiring :**

The white line of wire harness is connected to the thicker black line of the original car plug as shown.



**Connect Unlock signal wire (yellow):**

The yellow line of wire harness is connected to the unlock signal wire of original car.

Testing method: Use an electric meter, when press the unlock button on car key, it would have current.



**Connect the negative line:**

Connected the negative wire with the screws as shown in picture. ( Please pay attention that the negative line must be connected between the screw head and the gasket ) .



**Connect the positive line B+:**

:  
Remove the decorations of right side trunk and find out the fuse socket as shown.



**f. Install the front switch, describe as below,**

Make sure it's ok before drilling the hole and then install the front switch.



### **g.Front switch wiring:**

Black line is for negative ground wire, green line is for green wire harness. The yellow line is connected to the positive pole of the small lamp.(If the small lamp is not needed, the yellow line can be ignored and this does not affect the switch function).



#### **h.Recover the decorative boards and trims:**



After power-on, Testing the door is opened and closed. Please ensure that the door can be turned into place. At this point, the electric lift door is installed.

**Disclaimer: Due to improper installation and use, the related problems and losses are not covered by our company's warranty.**

Thank you for purchasing the intelligent electric lift door. Please read this manual carefully before use. Please read it carefully after reading it for future reference. The picture is for reference only, the product is subject to the actual product.