

# AUTO EASE

## POWER LIFTGATE MANUAL



FOR  
TOYOTA SIENNA  
2021-24

This power lift gate kit for Toyota Sienna support automatic trunk open/close control by using 1) remote control 2) front/dashboard button 3) rear/hatch button 4) Foot sensor – optional









## NOTICE

1. Check parts & quantity in the accessories table. Must use the brackets/screws provided by us if not stated
2. Shut down engine before installation. Product must be installed by qualified installers
3. Strut assembly contains high pressure part, self-disassembling the strut is prohibited
4. Make protections of dashboard, plastic trims and metal surface, in case scratches during installation
5. Secure all the cables/wires in the car to prevent connection getting loose in driving
6. The installation time depends, usually will take around 3 hours, please follow the manual patiently.

## ATTENTION:





- i. The liftgate is designed for standard factory tailgate
- ii. Bench-test is forbidden, kit must be installed in car and test directly
- iii. Do not insert power plug to control box until whole installation procedures are completed
- iv. Make sure there is backlight on our rear button once power is connected
- v. Initialize system after installation - manually lift tailgate to desired height, keep on pressing our rear button 4 second until a beep is heard, click our rear button to close, when door is fully closed with a beep, it means the system is initialized and ready for use

# PART LIST

			
Power Strut x2	Control Box x1	Power Latch x1	Power Cable x1
			
Lock Assembly x1	Rear Button Cable x1	Button x2	Bracket x2

Parts marked with \* for backu9p purpose only

## TOOLS (not included)

			
Trim Remover x1	Spanner x1	Cable Route Puller x1	Electric Tape x1

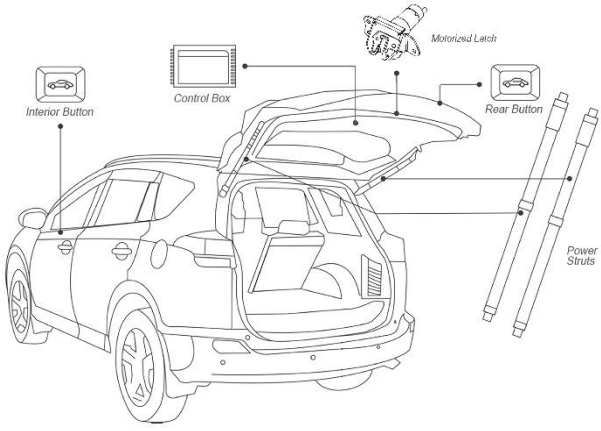
### REMARK:

Pictures for reference only, they may look different or not reflect actual product while products being updated time to time. Autoease keep the right to update appearance & design without notification.

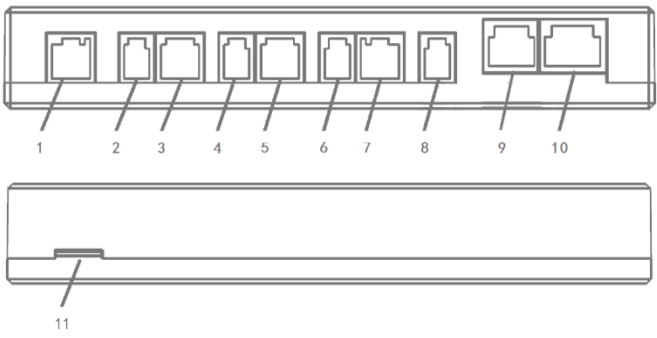
Micro-SD slot in control box is for firmware update purpose.

Loose blue wire in rear button cable must be connected per instructions.

# SCHEME



# CONTROL BOX



- 1 Power
- 2/3 Left Strut
- 4/5 Right Strut
- 6/7 Power Latch
- 8 Lock Assembly
- 9 Front Button
- 10 Rear Button
- 11 MicroSD Slot

# INSTALLATION STEPS

1. Pry original two smaller hatch panels off per arrow



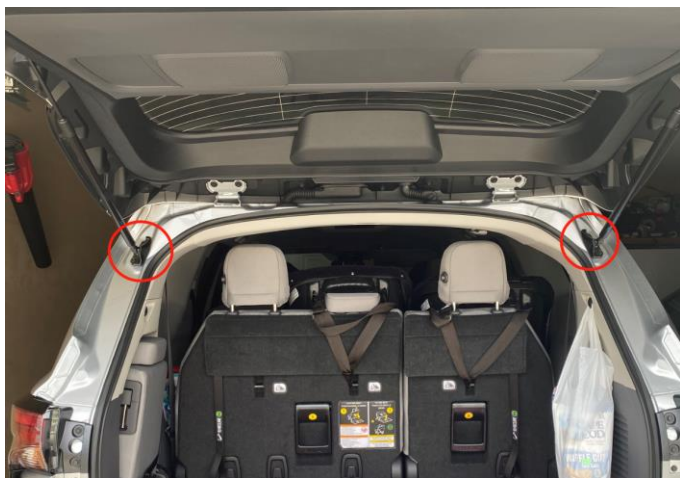
Remove two screws then you can remove whole hatch panels



2. Loosen original gas strut clips by using a slotted screwdriver, then pull gas struts out gently. Be aware factory door panel is very heavy, use an assistance to hold the door when removing both gas struts



3. Replace original car body brackets to ours, fix with original screws



Use original door bracket to install our power strut, cable end at door



4. Route power strut cable through factory hole in door panel



5. Replace original tailgate latch/lock to ours for soft close, fix with original screws



6. Connect original lock plug to our lock assembly cable



7. Connect our loose blue wire from rear button cable to original trunk switch signal which is also blue wire

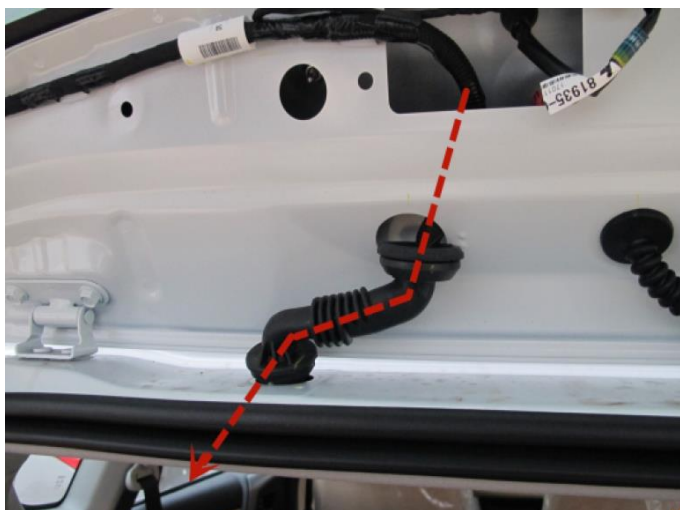


8. Fix our GND to a screw in tailgate panel tightly





9. Route power cable to driver's position

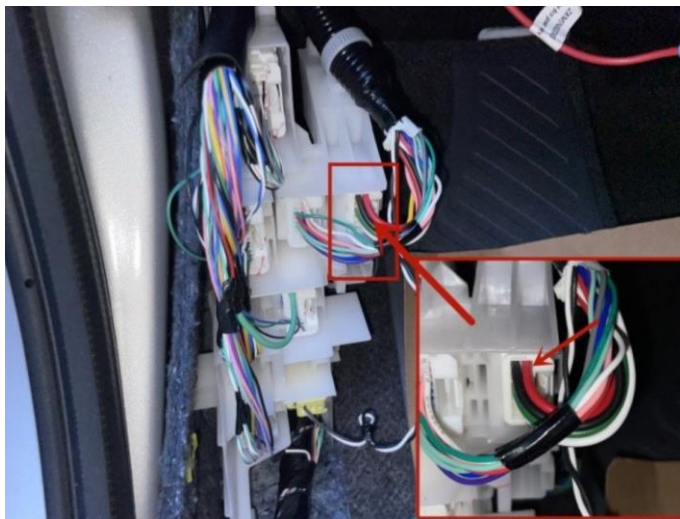




10. Pry panels off to access factory fuse box and unlock signal



11. Connect our green wire to original unlock signal(thick red) per this picture. This is for remote (3x click unlock button)

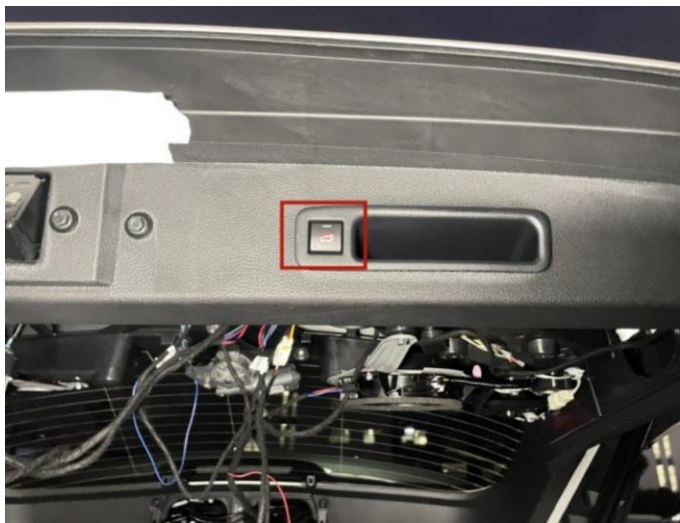


\*\*\*In case your vehicle cable set looks different as above, you can use a volt meter to locate correct signal easily. Original unlock signal has positive pulse when press unlock button, by default it's 0, when pressing unlock button it will change to 12v and restore to 0 instantly.

12. Replace factory button holder in dashboard to our button

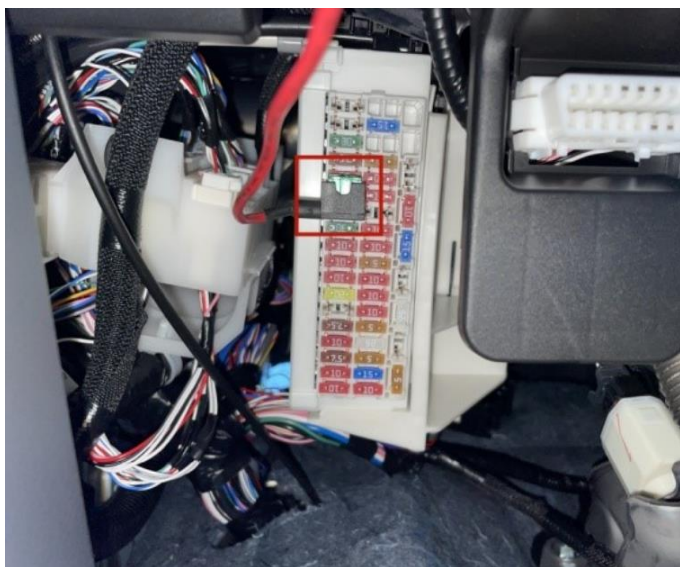
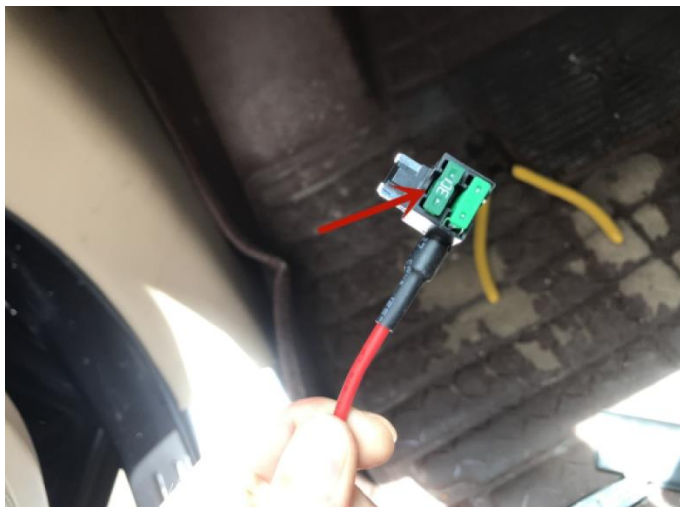


13. Replace factory button holder in tailgate to our button

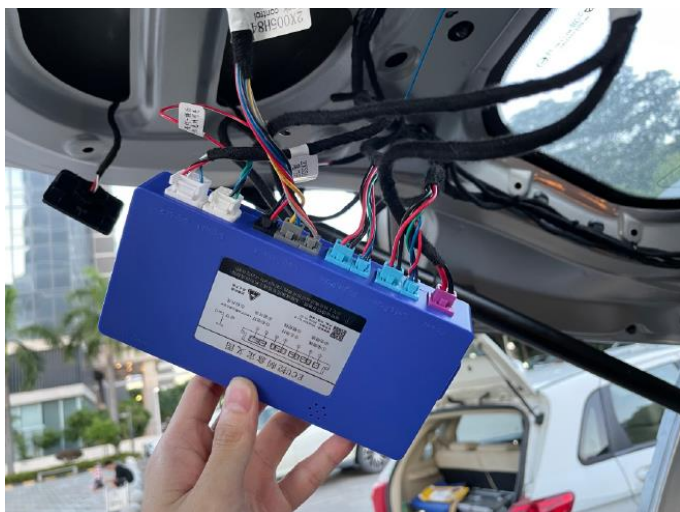


14. Locate original fuse box under driver's dashboard  
Remove original 30A fuse per picture, insert it to our fuse power plug port, insert our fuse plug back to original fuse port

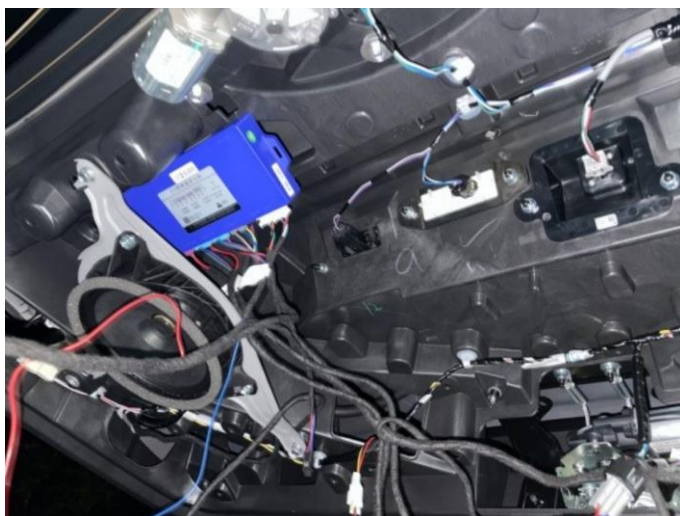




15. Insert all plugs to the control unit, leave power plug as the last one, you will hear a beep once power connected



Put control box on tailgate panel, fix with sticker or strings



16. Restore rear door panels, installation completed

Initialize system after installation - manually lift tailgate to a desired height, keep on pressing our rear button around 4 seconds until a beep is heard, short click our rear button to close, when door is fully closed and you hear a beep, it means the system is initialized and ready for use.

## FREQUENTLY ASKED QUESTIONS

### 1. How to operate the liftgate?

There are four methods as below:

- 1) Use original remote – 3x unlock
- 2) Use our rear button – 1x
- 3) Use our front button – long press 1.5 second
- 4) Use foot sensor – Sold separately

### 2. How to setup tailgate height?

Manually lift door to a desired height, long press our rear button until you hear a beep, done.

### 3. Why there are two beeps when door closing?

- 1) two beep means anti-pinch, check if anything is preventing strut/door movement
- 2) inspect power supply, include positive 12-16v, negative connects, and fuse box

### 4. Tailgate cannot be closed to the end and not locked

- 1) slightly adjust latch hook position
- 2) reverse left and right strut plugs in control box
- 3) check control box wiring
- 4) must using our screws in the box
- 5) remove rubber lock buffer block in the latch

### 5. Tailgate can only open to half of the height

- 1) reverse left and right strut plugs in control box
- 2) reset tailgate height

### 6. Original remote/fob does not work

- 1) check our yellow wire connection to original unlock signal
- 2) check OBD connection if kit has a decoder box
- 3) adjust click rhythm
- 4) check OEM vehicle's system settings about unlock signal

7. Front button can open but not close the gate

- 1) check front button wires connection
- 2) check lock adapter (status) signal
- 3) update firmware