

AUTO EASE

POWER LIFTGATE MANUAL



FOR
TOYOTA RAV4

This power lift gate kit for Toyota RAV4 support automatic trunk open/close control by using 1) remote control 2) front/dash 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 poles is prohibited.
4. Make protections of the car dash board, plastic and metal surface, in case scratches during installation.
5. Secure all the cables/wires in the car in case loose contact while driving.
6. The installation will take 2-3 hours, please follow the manual patiently.





ATTENTION:

- i. The liftgate is designed for standard factory tailgate
- ii. Bench-test is forbidden, the lift gate must be installed in car and test directly
- iii. Do not insert power plug to ECU control box until all installation procedures are completed
- iv. Keep tailgate open when installation is completed, make sure latch modular is released
- v. Initialize system after installation - manually lift tailgate to a proper height, keep pressing our rear button until hear a beep, then click our rear button to close, when tailgate is fully closed and you hear a beep, it means the system is initialized and ready for use

PART LIST

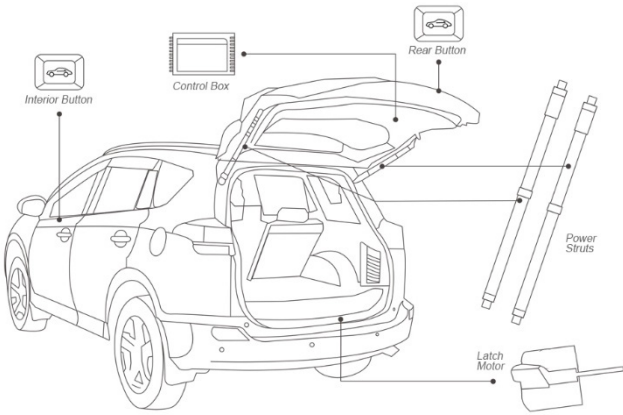
			
Power Strut x2	Control Box x1	Striker Motor x1	Power Cable x1
			
Lock Adapter x1	Front Button x1	Rear Button x1	Bracket x4

TOOLS (not included)

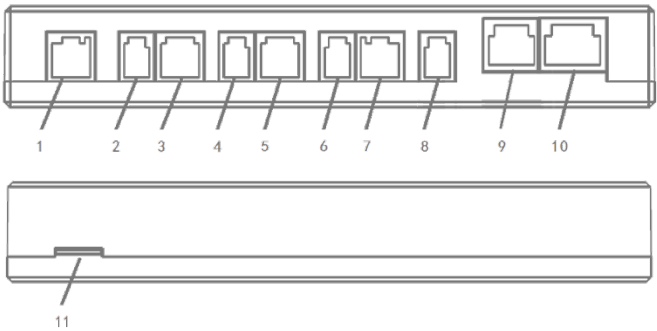
			
Trim Remover x1	Spanner x1	Cable Route Puller x1	Electric Tape x1

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 notifications.

SCHEME



CONTROL BOX



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

INSTALLATION STEPS

Vehicle's front view



Vehicle's rear view



1. Remove original rear door panels with a plastic wrench



Two screws in door handle need to be removed first



2. Remove trunk panel



3. Loosen original gas spring clips with a screw driver, remove both gas springs. Note you need assistance to hold the door when removing the gas springs, original door is very heavy



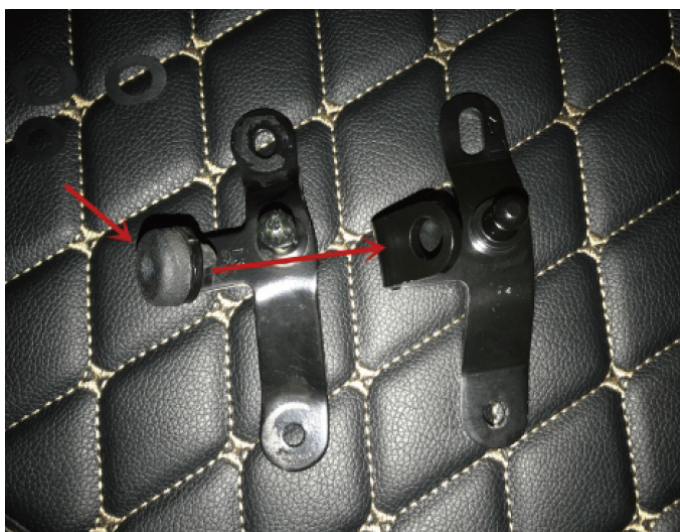
4. Replace original car body brackets to ours, fix with original screws



5. Replace original door bracket to ours, use original screws to fix



Note remove the buffer rubber block in original bracket and install it to ours



6. Install our power struts, cable at door end



Route strut cable in factory holes in door panel





7. Replace original latch striker to ours for soft close





Place soft close motor in left side of trunk, secure with sticker or string



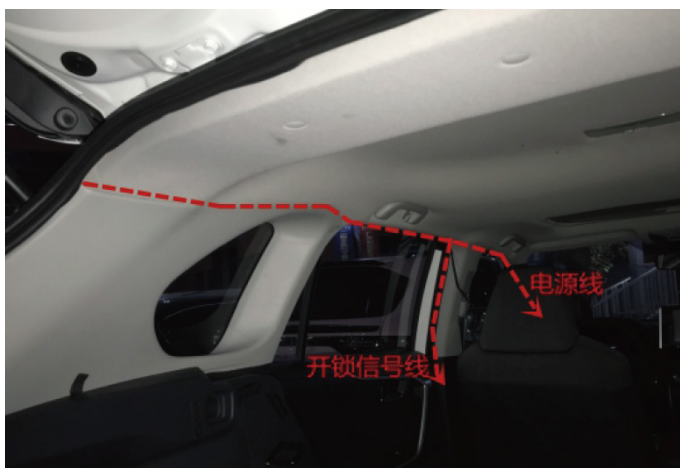
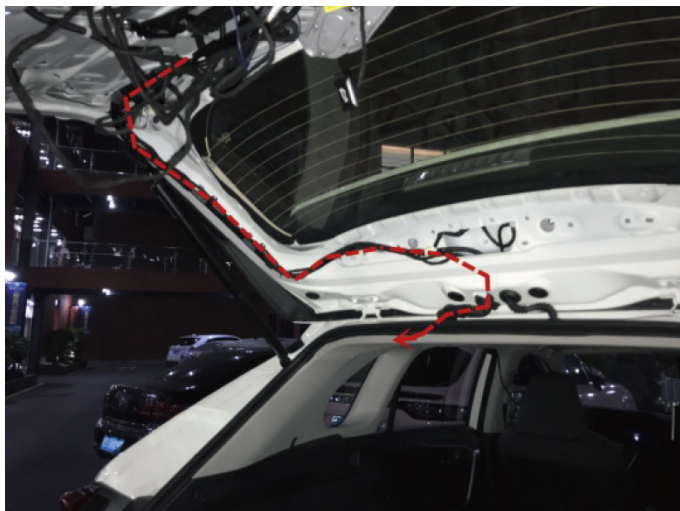
8. Locate original lock connector behind original latch, disconnect it, reconnect our lock adapter in between



Connect our blue wire to original trunk switch signal which is purple wire



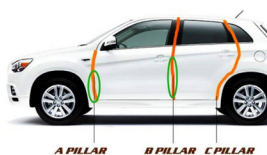
9. Route power striker cable to left of trunk, route power cable to driver's position, route GND to left side of trunk



10. Ground our GND to a screw in left side of trunk



11. Remove panels on B pillar at driver's side. Locate original unlock wire for remote control



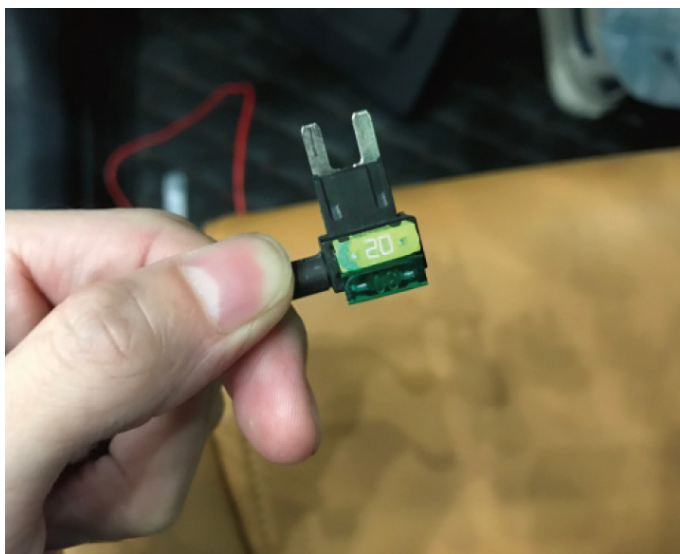
Connect our green wire to original green wire for remote control (3x click unlock). The pin/color may vary depends on car trims/configs. Contact us for support if your car does not match below



12. Remove panel on left side of kick panel (A pillar corner)



Locate original fuse box under driver's dash board
Remove original 20A fuse per picture, insert it to our fuse power plug port, insert our fuse plug back to original fuse port



13. Replace original button holder to our front button



14. Insert all plugs to the control box, leave power plug as the last one, you will hear a beep once power connected. Place control box on door panel



15. Use provided drill bit to drill a hole for our rear button



16. Restore rear door panels, installation completed

Initialize system after installation - manually lift tailgate to a proper height, keep pressing our rear button until hear a beep, then click our rear button to close, when tailgate 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