

AUTO EASE

POWER LIFTGATE MANUAL



For
BMW 1 Series F40

This power lift gate kit for BMW 1 Series supports automatic trunk open/close control by using 1) original remote control 2) dashboard/front button 3) tailgate/rear button 4) Foot sensor – optional

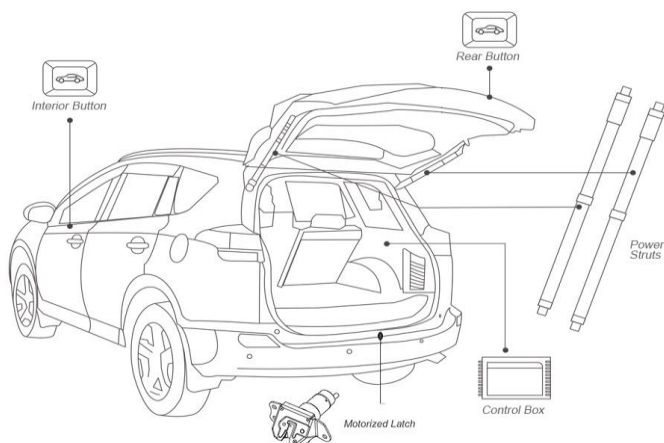
NOTICE

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 on dashboard, plastic trims, and metal surfaces, to prevent scratches during installation
5. Secure all the cables/wires in vehicle to prevent connection getting loose in driving
6. Installation time depends on many factors, usually it will take around 3 hours, please follow manual patiently

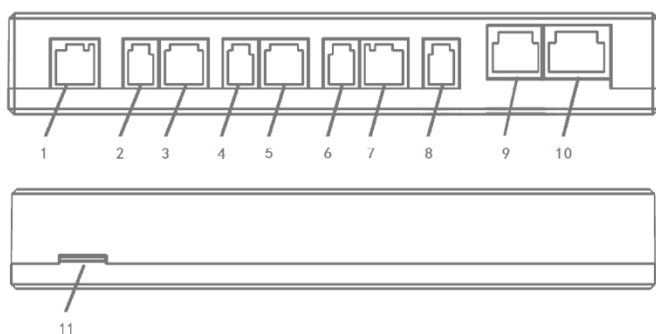
ATTENTION

1. This liftgate kit is designed for standard factory rear door panel, modifications with extra weight may not be supported
2. Bench-test is forbidden, liftgate kit must be installed in vehicle before powered testing
3. Once power struts are installed, manually & gently lift rear door up/down to make sure they can be moved smoothly, and without interference with trunk & door panels
4. Do not insert power plug to control box until whole installation procedures are completed
5. Make sure there is backlight on our rear button once power is connected
6. Initialize system after installation - manually lift tailgate to desired height, keep on pressing our rear button 3 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

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 |

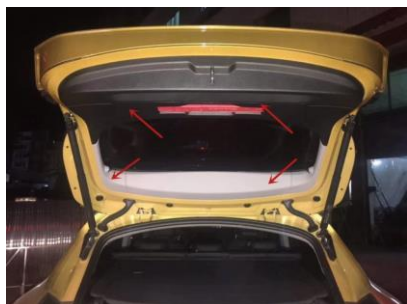
INSTALLATION STEPS

Note: the procedure is based on left hand drive car

1. Car rear view



2. Remove original rear door panel



3. Remove original gas spring



4. Use original brackets to install our power struts, cable end at car body, use factory reserved hole to route strut cable



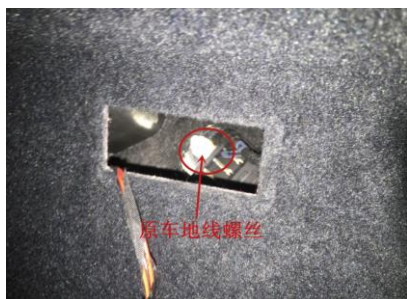
5. Remove trunk panels



6. Remove side trunk panels, put control box in right side of trunk



7. Ground our GND wire to a screw in right side of trunk



8. Locate original fuse box in the storage box at the passenger's position

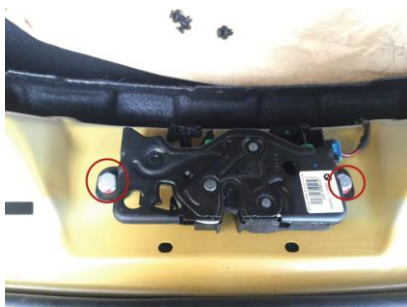


Insert our fuse power plug into original 30A fuse port



9. Replace original latch to ours

Original



Autoease latch



Put our latch motor in left side of trunk



10. Install our rear button



11. Insert all plugs into control box, connect our gray wire to our green wire per this picture



12. Restore rear door panels, installation completed.

Initialize system after installation - manually lift rear door to desired height (must be 10mm less than max height), keep on pressing our rear button 3 seconds until a beep is heard, short press our rear button to close door, when the door is fully closed with 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 – Long press the trunk button
- 2) Use original front button – 1x click



3) Use our rear/tailgate button – 1x click

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 striker position i.e., increase/lower height

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 plug 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