

Installation Manual

Compatible Model	Geely Tugella
Year	2019-2021



1. Points to note

- For safety and to ensure the proper use of product, please ask a professional technician to install. Do not disassemble and install it privately in case of damaging product and installation accidents.
- Please arrange each wire harness according to the wiring method in this manual, be sure to tie each wire harness to the vehicle's original wire harness with cable ties. Make sure the wire harnesses are not located at the fasteners or screw holes to avoid the wire harnesses crushed by the vehicle interior trim panel buckles and screws during the installation process.
- Because some of the wire harness terminals (as shown in the red ellipses below) are not inserted into the wire harness connectors during manufacture, please insert terminals into the wire harness connector first to avoid short circuit between terminals after the wire harnesses have been arranged, then connect other plugs of the wire harnesses (as shown in the blue ellipses below) with the original plugs.

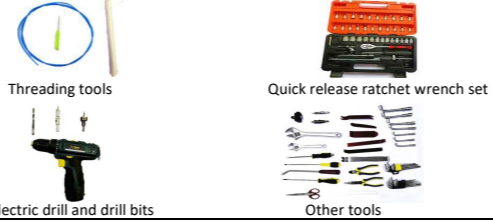


- Check the function display of instrument panel before installation, whether the button of the vehicle is working properly, whether the doors and windows work properly while opening and closing, whether there are scratches on the internal and external surfaces of the vehicle; and report to the customers in a timely manner if there are any problems.

- During the process of disassembly and assembly, do not carry metal ornaments and other hard objects with you to prevent damage to the paintwork, seats and interior. Be sure to place the removed trim components properly to avoid scratching them.

- All the pictures in this manual are for reference only, vehicle models with different configurations may have different pictures, but the installation methods are the same.

2. Installation tools



3. Product list

No.	Name	QTY	Picture
①	Strut	2	
②	ECU	1 set	
③	Wire harness	1 set	
④	Lock actuator	1	
⑤	Added tailgate switch	1	
⑥	Other accessories (screws, brackets, etc.)	1 set	Omitted



1. Remove the front left side trim panels, door sill panel and storage box.



2. Remove the steering wheel trim panels (there are screws in the circles).



3. Remove the steering wheel trim panels (there are screws in the circles).



4. Remove the rear left side door sill panel and B-pillar trim panel.



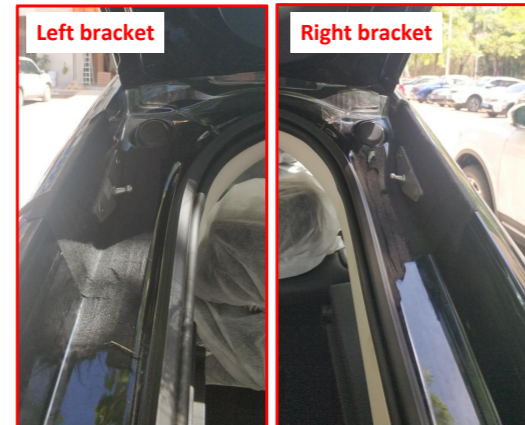
5. Remove the tailgate trim panels.



6. Remove the trunk floor mat, door sill panel and the trim panels on the left side (there are screws in the circles).



7. Remove the original gas struts.



8. Replace the left and right body brackets.



9. Replace the tailgate ball studs.



10. Install the electric struts, L on the left and R on the right (the first letter of the strut number).



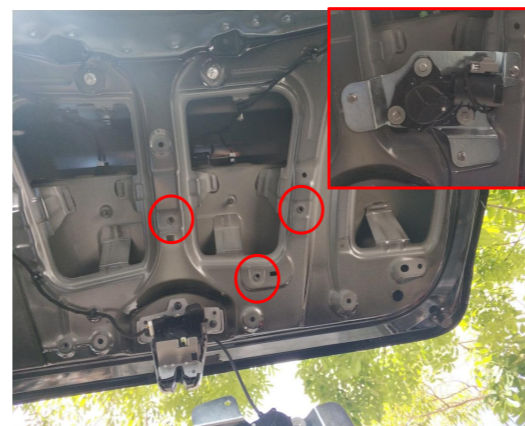
11. Remove the rubber plug to allow the strut wire harness to pass through and then plug the hole tightly; both sides are the same.



12. Route the strut wire harnesses.



13. Replace the original lock with our lock latch.



14. Install the lock actuator at the indicated holes.



15. Route the lock signal harness to the left side of the trunk.



Note: For models with fewer than 14 wires, just insert them according to the corresponding label or color.

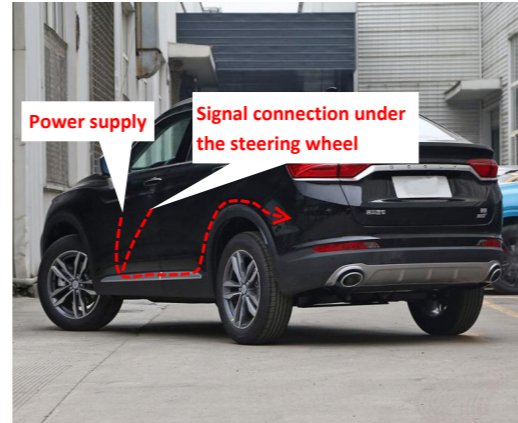
16. Insert the lock signal harness terminals into the wire harness connector as shown above.



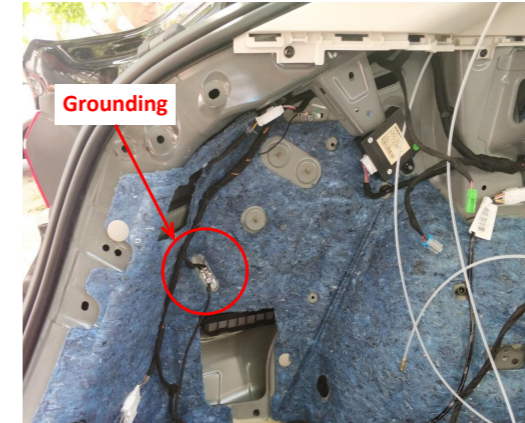
17. Connect the lock signal harness with the plugs of the original tailgate switch.



18. Connect the lock signal harness with the plugs of the lock latch, actuator and the added tailgate switch.



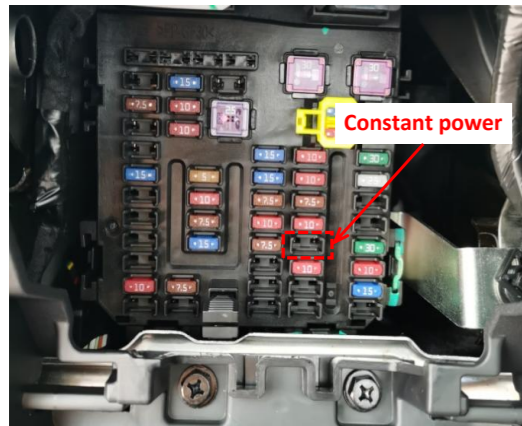
19. Route the power harness.



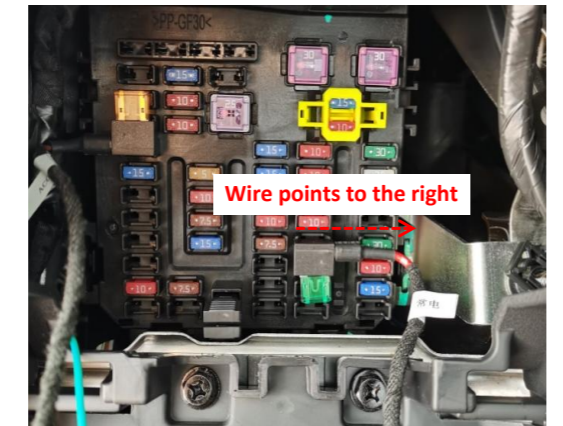
20. Ground at the indicated position.



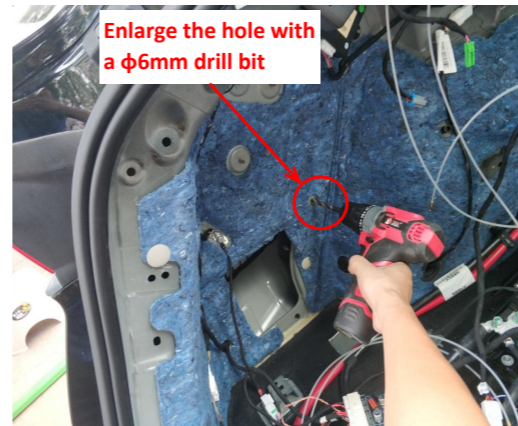
21. Connect the power harness with the signal plug and its socket under the steering wheel.



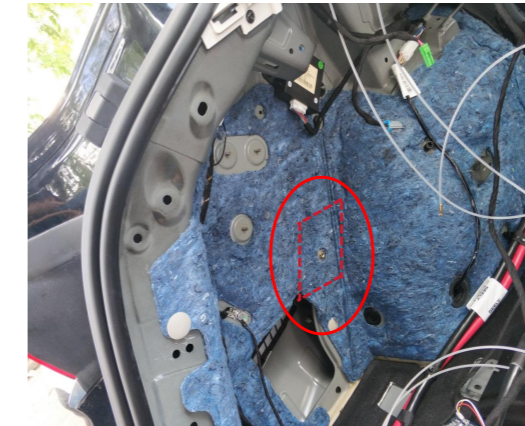
22. The fuse slot for power supply is indicated above.



23. Plug the fuse tap into the fuse box and pay attention to the direction.



24. Enlarge the hole with a $\phi 6\text{mm}$ drill bit.



25. Place the ECU bracket at the indicated position inside the trunk and secure it with a nut.



26. Insert the strut wire harnesses ① ②, lock signal harness ③, and power harness ④ into the ECU in sequence and then mount the ECU onto its bracket.



27. Press the added tailgate switch button to open and close the tailgate once for initializing the system, and then test the functions of the electric tailgate.



28. Install all trim panels back and install the added tailgate switch (remove the small cover panel).

5. System initialization method

1. Press the added tailgate switch button to make the tailgate close automatically;
2. Press the switch button outside the tailgate to open the tailgate and it will make a long sound of "beep".
3. The system initialization is complete.

6. Instructions for the electric tailgate

1. Methods to open and close the tailgate:
 - Press the unlock button on the remote key 3 times;
 - Press the unlock button at the driver's area 3 times;
 - Press the original tailgate switch button;
 - Press the added tailgate switch button.

2. Method to pause the tailgate:

During the operation of the tailgate, press the button with any of the above methods, and the tailgate will be paused. Press again, and the tailgate will move in reverse.

3. Method to memorize the height:

Open the tailgate to the height you want to set, long press the added tailgate switch, and release the switch after hearing a long "beep ----". The height memory is complete.
Tip: During the operation of the tailgate, pause the tailgate, and then push the tailgate to the ideal height with your hand.

4. Meanings of the buzzer sound:

"Beep" once: Receiving an open/close or pause signal, the tailgate will immediately open/close or pause;
"Beep" twice: The tailgate has been fully opened or closed;
"Beep" three times: The resistance during opening or closing the tailgate is too large, and the intelligent anti-pinch has been turned on;
Long sound of "beep": The height memory is complete.