

Installation Manual

Compatible Model	CKia CSportage (KR)
Year	2022



8-ETKA-5003-00-00

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 wiring harness according to the wiring method in this manual, be sure to tie each wiring harness to the vehicle's original wiring harness with cable ties. Make sure the wiring harnesses are not located at the fasteners or screw holes to avoid the wiring harnesses crushed by the vehicle interior trim panel buckles and screws during the installation process.
- Because some of the wiring harness terminals (as shown in the red ellipses below) are not inserted into the wiring harness connectors during manufacture, please insert terminals into the wiring harness connector first to avoid short circuit between terminals after the wiring harnesses have been arranged, then connect other plugs of the wiring 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	Wiring harness	1 set	
④	Power latch	1	
⑤	Added tailgate switch	1	
⑥	Other accessories (screws, brackets, etc.)	1 set	Omitted



1. Remove the front left side door sill panels and the trim panel of the fuse box.



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



3. Remove the indicated trim panels on the left side of the trunk



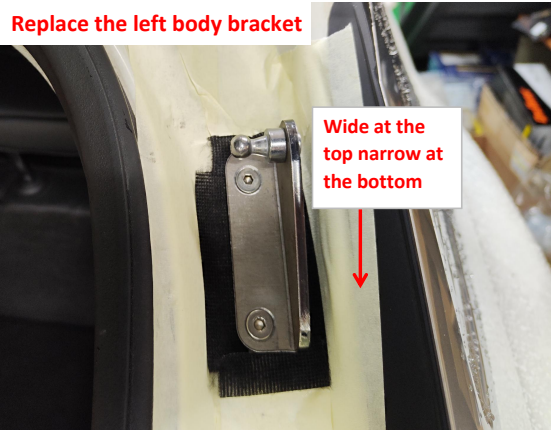
4. Remove the tailgate trim panels.



5. Remove the original gas struts.



6. Replace the left body bracket and pay attention to the direction.



7. Replace the right body bracket.



8. Replace the left and right tailgate ball studs.



9. Install the electric struts, L on the left and R on the right (the first letter of the strut code), making sure the ends with wiring harnesses are on the car body.



10. Thread the strut wiring harness through the indicated hole, the same for the other side.



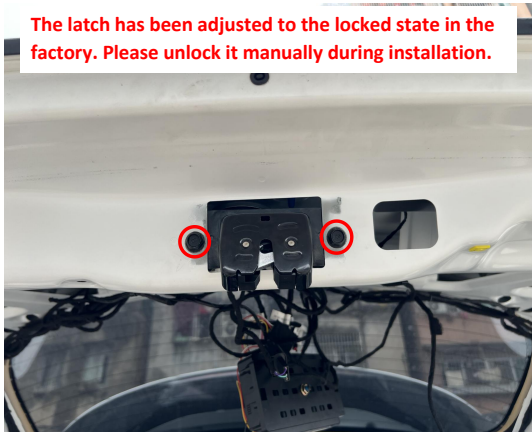
11. Route the strut wiring harnesses as indicated above.



12. Remove the original latch.



13. Connect the plugs of the lock signal harness with the power latch.




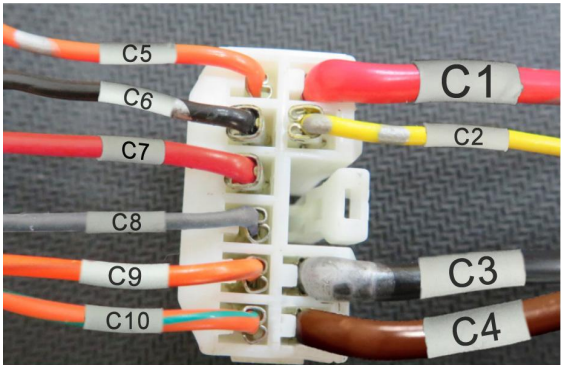

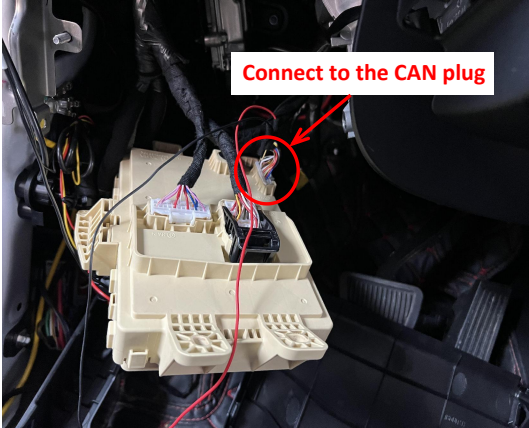
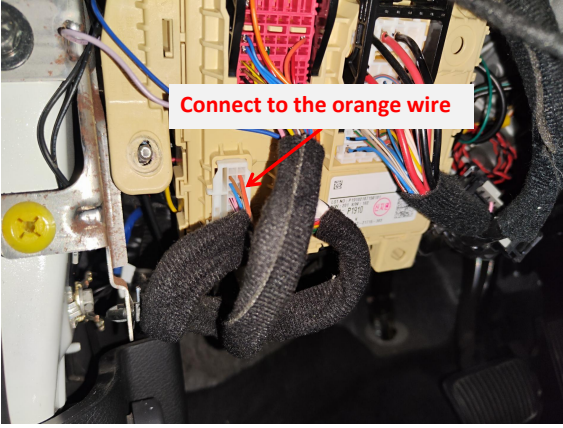
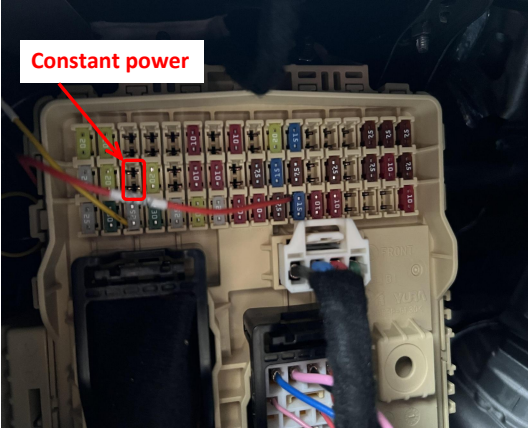
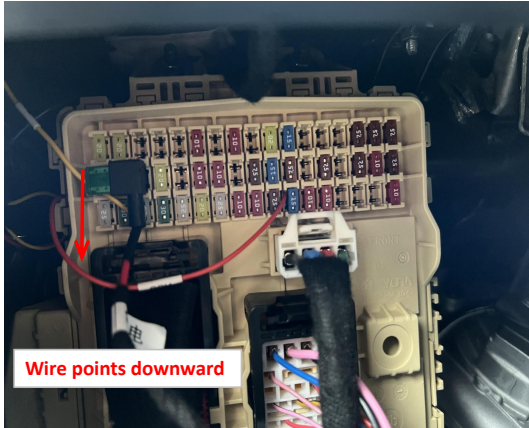

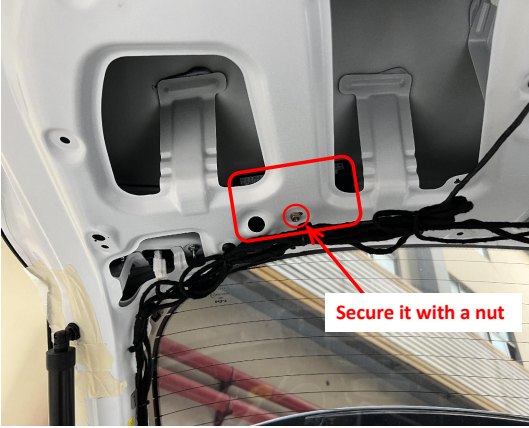


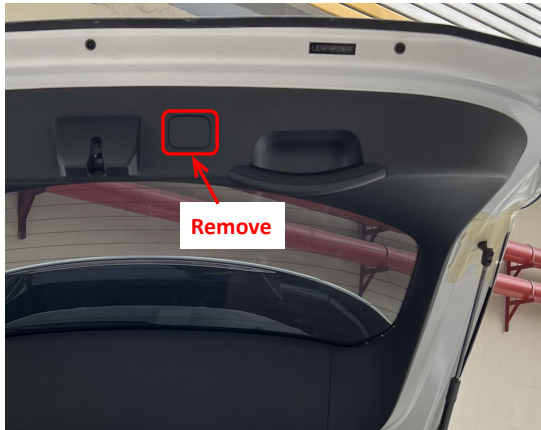


14. Install the power latch.



15. Connect the plugs of the lock signal harness to the original tailgate switch outside the tailgate.



16. Route the power harness as indicated. (If you need to install the added front switch, route the switch wiring harness in the same way)

 <p>17. Ground at the indicated location on the left side of the tailgate.</p>	 <p>Note: For models with fewer than 10 wires, just insert them according to the corresponding label or color.</p> <p>18. Insert the power harness terminals into the wiring harness connector as shown above.</p>	 <p>19. Take out the fuse box from the driver's area.</p>	 <p>Connect to the CAN plug</p> <p>20. Find out the indicated plug and connect the CAN plugs to it and its socket.</p>	 <p>Connect to the orange wire</p> <p>20-1. If you choose not to connect the CAN plugs, connect the orange wire of power harness to the indicated orange</p>
 <p>Constant power</p> <p>21. The fuse box is located at the driver's area and the fuse slot for power supply is indicated above.</p>	 <p>Wire points downward</p> <p>22. Plug the fuse tap into the fuse box and pay attention to the direction of wire.</p>	 <p>Remove</p> <p>23. Remove the indicated cable clip.</p>	 <p>Secure it with a nut</p> <p>24. Install the ECU and secure it with a nut.</p>	 <p>25. Insert the strut wiring harnesses ①②, lock signal harness ③, and power harness ④ into the ECU in sequence.</p>
 <p>26. Press the tailgate switch buttons to open and close the tailgate once, the system completes initialization, and then test each function of the electric tailgate.</p>	 <p>Remove</p> <p>27. Remove the indicated small panel.</p>	 <p>28. Install the added tailgate switch and reinstall all trim panels.</p>	 <p>(Optional) Find an appropriate position at the driver's area, drill a $\phi 21\text{mm}$ hole and install the added front switch.</p>	<p>5. System initialization method</p> <ol style="list-style-type: none">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. <p>6. Instructions for the electric tailgate</p> <ol style="list-style-type: none">1. Methods to open and close the tailgate:<ul style="list-style-type: none">●Press and hold the unlock button on the remote key;●Press the unlock button at the driver's area 3 times;●Press the original tailgate switch button;●Press the added tailgate switch button to close;●Press the added front switch button: press and hold for 4s to open and press once to close.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.
<p>3. Instructions for the added tailgate switch</p> <p>①Closing speed acceleration (5 Settings)</p> <ol style="list-style-type: none">1.Press and hold the switch button until hearing the first short beep sound.2.After releasing the button, you will hear a short beep, indicating that the closing speed acceleration has taken effect.3.Repeat this step once to increase by one setting. <p>②Opening speed acceleration (5 Settings)</p> <ol style="list-style-type: none">1.Press and hold the switch button until hearing the second short beep sound2. After releasing the button, you will hear two short beeps, indicating that the opening speed acceleration has taken effect.3. Repeat this step once to increase by one setting. <p>③Settings of the voice module</p> <ol style="list-style-type: none">1.Press and hold the switch button until hearing the third short beep sound.2.After releasing the button, you will hear three short beeps, indicating that the voice module has entered configuration mode. (For details, see the voice module operation manual) <p>④Block the voice module</p> <ol style="list-style-type: none">1.Press and hold the added switch button until hearing the fourth beep sound.2.After releasing the button, you will hear three four beeps indicating that the voice module has been blocked.	<p>⑤Height setting</p> <ol style="list-style-type: none">1.Press and hold the switch button until hearing the fifth short beep sound.2.After releasing the button, you will hear a long beep sound indicating that the height setting has taken effect. <p>⑥Switch between quick/slow press of the unlock button on remote key</p> <ol style="list-style-type: none">1.Press and hold the switch button until hearing the sixth short beep sound.2.After releasing the button, you will hear a long beep sound and a short beep sound indicating that the switch between quick and slow press of the unlock button has taken effect. <p>⑦Switch between pressing the unlock button twice/three times</p> <ol style="list-style-type: none">1.Press and hold the switch button until hearing the seventh short beep sound.2.After releasing the button, you will hear a long beep sound and two short beeps indicating that the switch between pressing the unlock button twice/three times has taken effect. <p>⑧Braking force increase (five settings)</p> <ol style="list-style-type: none">1.Press and hold the unlock button until hearing the eighth short beep sound.2.After releasing the button, you will hear a long beep sound and three short beeps indicating that the switch between pressing the unlock button twice/three times has taken effect.3.Repeat this step to increase by one setting.	<p>⑨Restore to factory settings</p> <ol style="list-style-type: none">1.Press and hold the unlock button until hearing the ninth short beep sound.2.After releasing the button, you will hear a long beep sound and four short beeps indicating that the restoration to the factory setting has taken effect. <p>4. Meanings of the buzzer sound:</p> <p>"Beep" once: Receiving an open/close or pause signal, the tailgate will immediately open/close or pause;</p> <p>"Beep" twice: The tailgate has been fully opened or closed;</p> <p>"Beep" three times: The resistance during opening or closing the tailgate is too large, and the intelligent anti-pinch has been turned on.</p>		