

Vehicle-Specific Power Tailgate Lift System

BMW X5

2008-2013

Part no. ARBX5T13



Points to Note

- For safety and to ensure proper product use, we recommend professional installation. Do not attempt to disassemble or install the system yourself, as this may result in product damage or personal injury.
- Route each wire harness according to the instructions in this manual, securing them to the vehicle's factory harnesses with cable ties. Ensure the wiring is kept clear of fasteners and screw holes to prevent the harnesses from being crushed or pinched by trim panel clips and screws during reassembly.
- Some wire harness terminals (indicated by the red ellipses below) are left disconnected during manufacturing. Please insert these terminals into their corresponding connectors before routing the harnesses to prevent short circuits. Once routed, connect the remaining harness plugs (indicated by the blue ellipses) to the vehicle's factory plugs.



- Before beginning installation, inspect the vehicle's instrument panel display, verify that all buttons, doors, and windows operate correctly, and check for any pre-existing scratches on the interior or exterior. Report any issues to the customer immediately.

Installation Precautions

- Remove any metal accessories or hard objects from your person during installation to prevent damaging the vehicle's paint, seats, or interior. Carefully store all removed trim components in a safe location to avoid scratches.
- The illustrations in this manual are for reference only. While specific vehicle configurations may vary slightly from the pictures, the general installation methods remain the same.

In the Box

1		Strut	Qty 2
2		Tailgate ECU	Qty 1 set
3		Wire harness	Qty 1 set
4		Tailgate switch	Qty 1

Other Accessories

Screws, brackets (1)

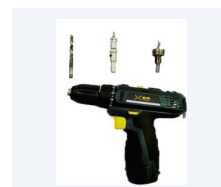
Recommended Tools



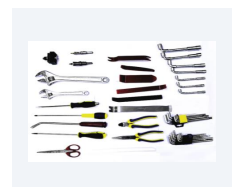
Threading tools



Quick release
ratchet wrench set



Electric drill and
drill bits



Other tools

Notice

This vehicle-specific kit converts the manual tailgate on the vehicle listed in this manual to power operation. Installation requires a good level of technical knowledge. Please read this manual in its entirety before you start.

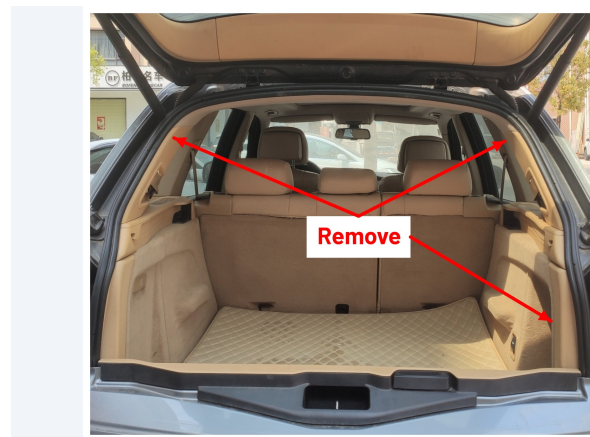
Use the correct tools during installation to prevent damage to the vehicle or the product. Please note that we cannot be held liable for any issues arising from improper installation.

Before starting the installation, disconnect the negative battery terminal and make sure the ignition is off and the key is removed or kept away from the vehicle.

Installation



- 1 Remove the tailgate trim panels.



- 2 Remove the indicated trim panels.



- 3 Remove the original struts. To do this safely, remove and replace one strut at a time.



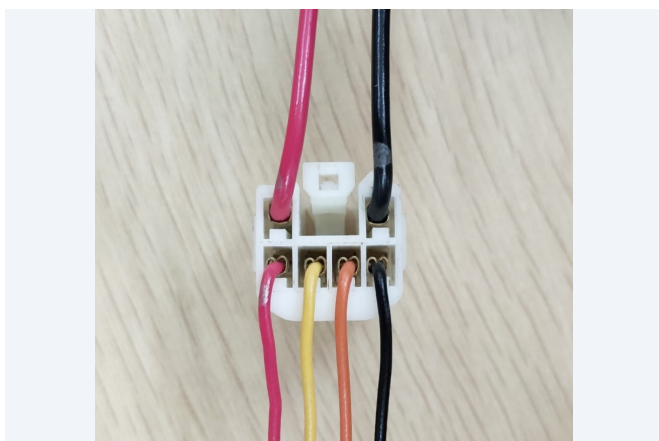
- 4 Install the electric struts (L for the left side, R for the right side, as indicated by the first letter of the strut code).



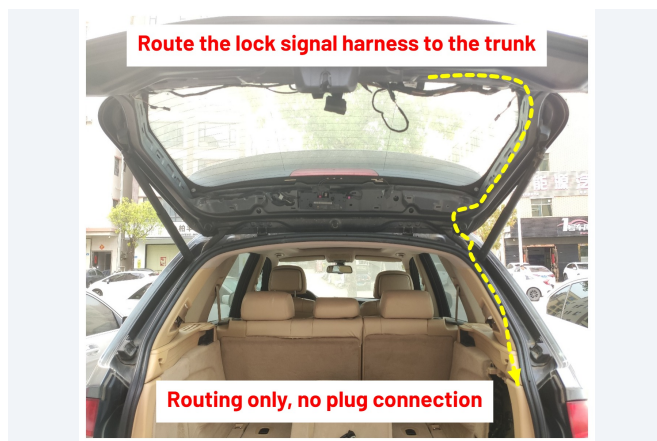
- 5 Thread the strut wire harness through the indicated hole into the tailgate, then seal the hole with a grommet.



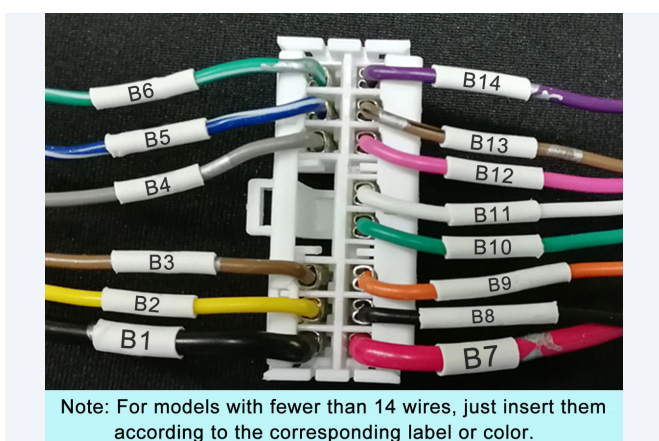
- 6 Route the strut wire harnesses to the right side of the boot.



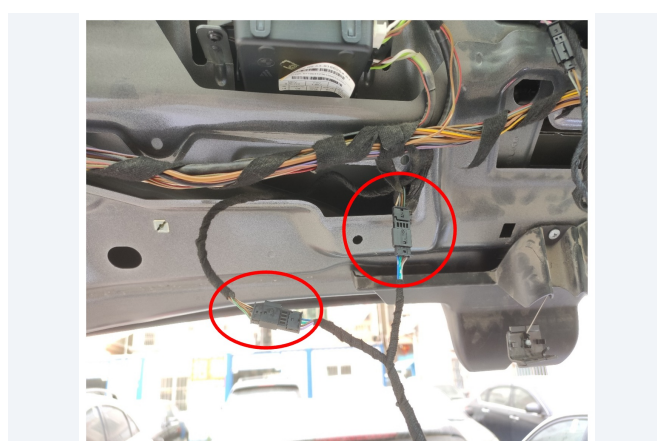
- 7 Insert the strut wire harness terminals into the wire harness connector.



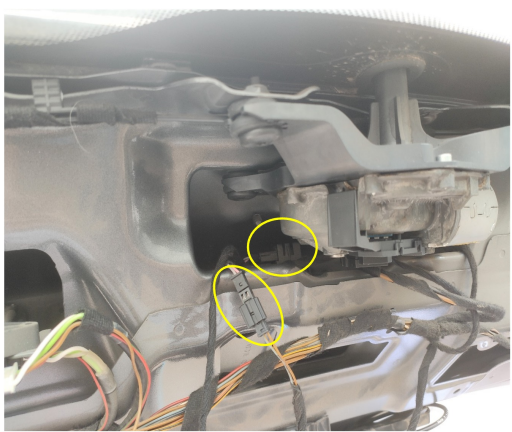
- 8 Route the lock signal harness to the boot.



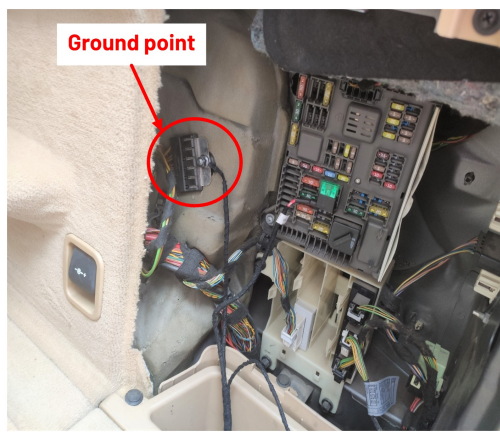
- 9 Insert the lock signal harness terminals into the wire harness connector.



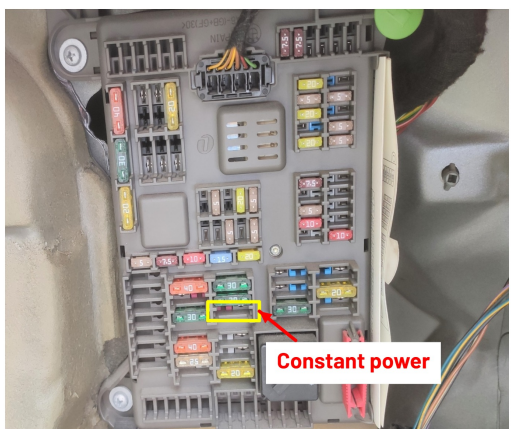
- 10 Connect the lock signal harness connectors to the power latch.



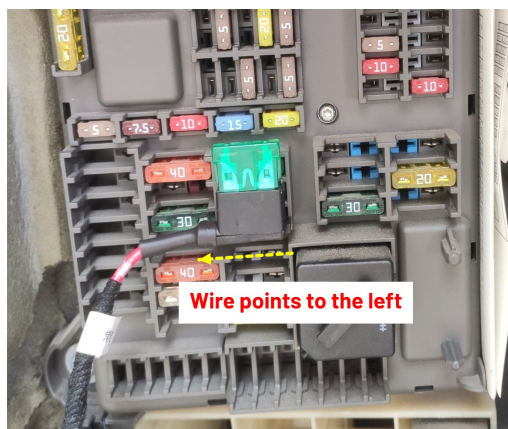
- 11 Connect the lock signal harness connectors to the factory tailgate switch and the new tailgate switch.



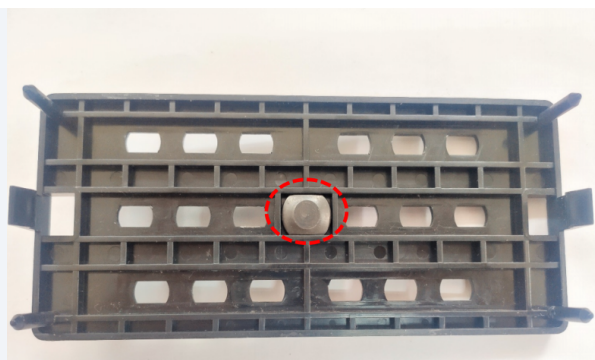
- 12 Secure the ground wire connector to the factory grounding point on the right side of the boot.



- 13 The power supply fuse slot is indicated above.



- 14 Plug the fuse tap into the fuse box, with the wire pointing to the left.



The screw can be freely adjusted on the bracket.
Find an appropriate location for easy installation.

- 15 Fit a screw to the tailgate ECU bracket, then mount the tailgate ECU onto the bracket.



- 16 Secure the tailgate ECU to the indicated hole on the right side of the boot using a nut.



- 17** Insert the strut wire harnesses ①②, lock signal harness ③, and power harness ④ into the tailgate ECU in sequence.



- 18** Press the new tailgate switch to open and close the tailgate once, then test each function of the electric tailgate.



- 19** Attach the hole template to the indicated position, then drill a hole for installing the new tailgate switch.



- 20** Reinstall all trim panels and install the new tailgate switch.

System Initialisation

1. Press the newly installed tailgate switch to close the tailgate automatically.
2. Press the exterior tailgate switch to open it; you will hear a long beep.
3. System initialisation is now complete.

Operating Instructions

1. Methods to Open and Close the Tailgate:

- Press and hold the tailgate button on the remote key.
- Press the factory tailgate switch.
- Press the newly installed tailgate switch.
- Press the tailgate button in the driver's area.

2. Pausing the Tailgate:

While the tailgate is in motion, press any of the control buttons to pause it. Pressing a button again will reverse the tailgate's direction.

Configuring the Tailgate Switch Settings

1 Adjusting Closing Speed (5 Levels)

1. Press and hold the switch until you hear a single short beep.
2. Release the button; a short beep confirms the new closing speed is set.
3. Repeat this process to increase the speed by one level.

2 Adjusting Opening Speed (5 Levels)

1. Press and hold the switch until you hear two short beeps.
2. Release the button; two short beeps confirm the new opening speed is set.
3. Repeat this process to increase the speed by one level.

3 Voice Module Configuration

1. Press and hold the switch until you hear three short beeps.
2. Release the button; three short beeps confirm the voice module has entered configuration mode. (For details, see the voice module operation manual.)

4 Muting the Voice Module

1. Press and hold the switch until you hear four short beeps.
2. After releasing the button, you will hear three four beeps indicating that the voice module has been blocked.

5 Setting the Maximum Opening Height

1. Press and hold the switch until you hear five short beeps.
2. Release the button; a long beep confirms the height setting has taken effect.

6 Remote Key Unlock Button Sensitivity (Quick/Slow Press)

1. Press and hold the switch until you hear the sixth short beep.
2. Release the button; a long beep followed by a short beep confirms the toggle between quick and slow press of the unlock button.

7 Remote Key Activation (Double-Press vs. Triple-Press)

1. Press and hold the switch until you hear the seventh short beep.
2. Release the button; a long beep followed by two short beeps confirms the toggle between double-pressing and triple-pressing the unlock button.

8 Adjusting Braking Force (5 Levels)

1. Press and hold the switch until you hear the eighth short beep.
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 process to increase the braking force by one level.

9 Factory Reset

1. Press and hold the switch until you hear the ninth short beep.
2. Release the button; a long beep followed by four short beeps confirms the factory reset has taken effect.

Buzzer Sound Indicators

One Beep: An open, close, or pause signal has been received; the tailgate will respond immediately.

Two Beeps: The tailgate is fully opened or fully closed.

Three Beeps: The tailgate encountered excess resistance; the intelligent anti-pinch safety feature has been activated.

Technical Support

If you need help setting up or using your Aerpro product, now or in the future, call Aerpro Support Australia on 03 8587 8889, Monday to Friday, 9am to 5pm AEST.

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