

## EVFRONTIERX Tiguan 2025

# EVFRONTIERX Power Liftgate System for Volkswagen VW Tiguan 2025

Instruction Manual

## 1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of the EVFRONTIERX Power Liftgate System for the Volkswagen VW Tiguan 2025. This system enhances vehicle functionality by providing automatic control over the rear tailgate, improving convenience and accessibility.

## 2. SAFETY INFORMATION

Read all safety warnings and instructions carefully before installation and operation. Failure to follow these instructions may result in property damage or personal injury.

- **Professional Installation Recommended:** Due to the complexity of automotive electrical and mechanical systems, professional installation is strongly advised.
- **Obstacle Detection:** The system includes obstacle detection. However, always ensure the area around the tailgate is clear during operation.
- **Anti-Pinch Protection:** The anti-pinch feature is designed to prevent injury. Do not intentionally test this feature with body parts.
- **Vehicle Power:** Disconnect the vehicle's battery before beginning any installation work to prevent electrical shorts or damage.
- **Component Handling:** Handle all components with care. Do not force parts during installation.

## 3. PACKAGE CONTENTS

Verify that all components listed below are present in your package:

- Control Box

- Power Struts (Left and Right)
- Connecting Wire Harness
- Front Button (for driver's cab)
- Rear Door Close Button (for tailgate)
- Installation Manual
- *Optional*: Kick Sensor (if purchased with this feature)



Image 3.1: Overview of the EVFRONTIERX Power Liftgate System components. Includes control box, power struts, wiring harness, and control buttons.

## 4. SETUP AND INSTALLATION

Installation of the EVFRONTIERX Power Liftgate System requires careful attention to detail and familiarity with automotive electrical and mechanical procedures. **Professional installation is highly recommended** to ensure correct functionality and to avoid damage to your vehicle.

### 4.1 General Installation Overview

The installation process typically involves:

1. Removing existing tailgate components (e.g., gas struts).
2. Installing the new power struts.
3. Mounting the control box in a secure, dry location.
4. Routing and connecting the wiring harness to the vehicle's electrical system.
5. Installing the front and rear control buttons.
6. (If applicable) Installing the kick sensor module and wiring.
7. Testing and calibration of the system.

# Installation Demo

— for reference only

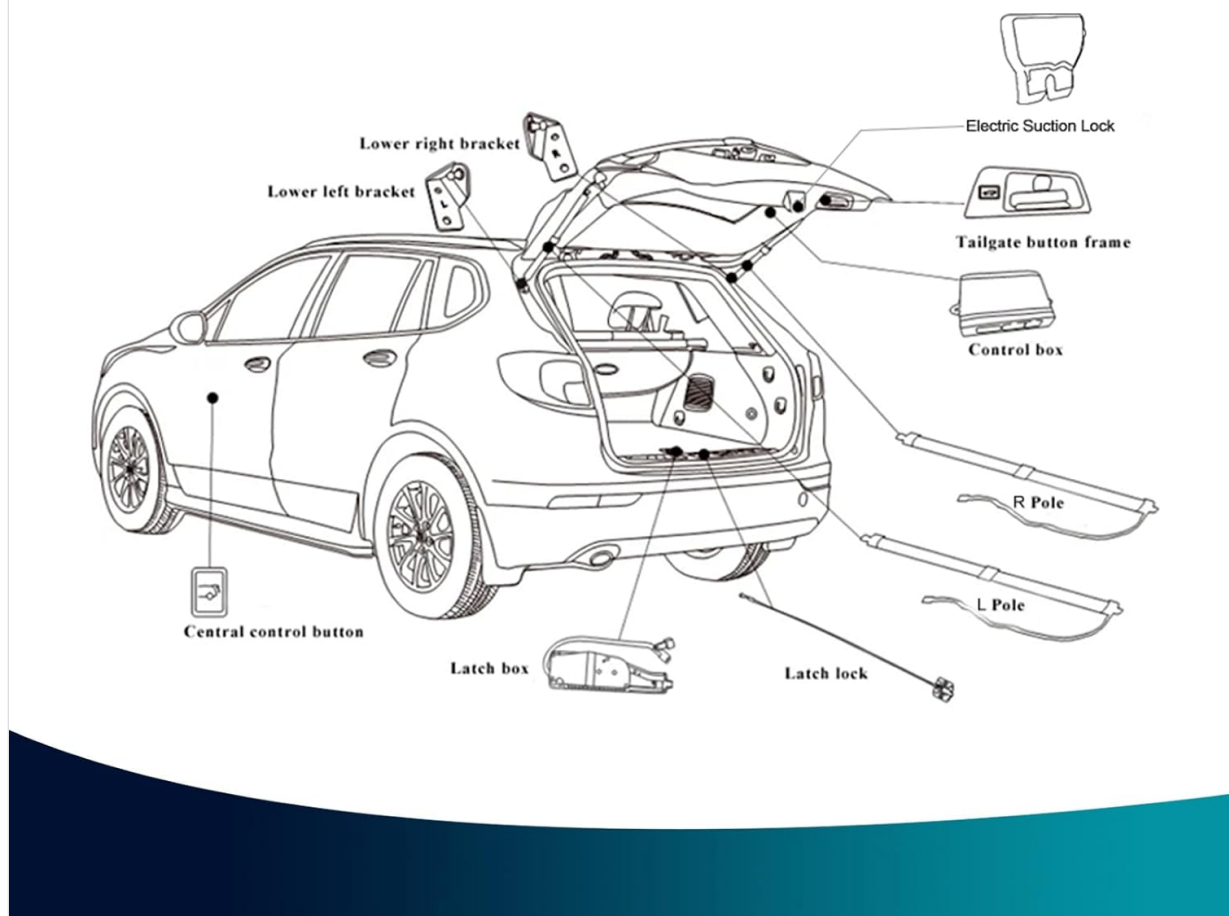


Image 4.1: Diagram illustrating the general placement of components for the power liftgate system, including struts, control box, and buttons.

## 4.2 Installation Video Reference

For a visual guide on the installation process, please refer to the following video. Note that specific steps may vary slightly depending on the exact vehicle model and year.

Your browser does not support the video tag.

Video 4.1: Demonstration of the Electric Tailgate installation process for a Volkswagen VW Tiguan 2024+ model. This video provides a general overview of the steps involved in fitting the power liftgate system.

## 5. OPERATING INSTRUCTIONS

The EVFRONTIERX Power Liftgate System offers multiple convenient ways to open and close your vehicle's tailgate.

### 5.1 Control Modes

- **Factory Remote Control:** Press and hold the unlock button on your original car key fob for approximately 3 seconds to open or close the tailgate.



Image 5.1: A person using the factory remote control to operate the power liftgate.

- **Driver's Cab Button:** Use the dedicated button located in the driver's cabin to open or close the tailgate.

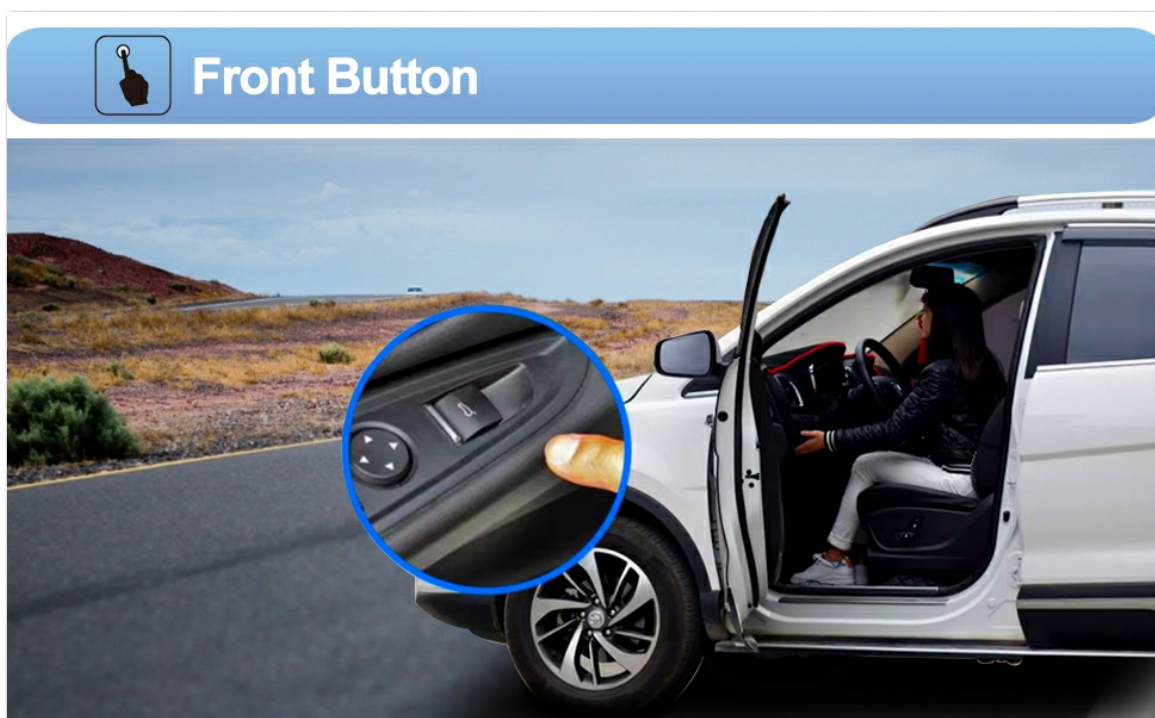


Image 5.2: A hand pressing the driver's cab button to control the tailgate.

- **Tailgate Button:** Press the button located on the tailgate itself to close the tailgate.



Image 5.3: A hand pressing the button located on the tailgate to close it.

- **Foot Sensor (Optional):** If equipped, a gentle kick motion under the rear bumper will activate the tailgate. Ensure the key fob is within range.



Image 5.4: An illustration of a person using a foot motion to activate the optional kick sensor for tailgate operation.

## 5.2 Advanced Features

- **Adjustable Height:** The tailgate opening height can be customized. Manually adjust the tailgate to your desired height, then press and hold the tailgate close button until you hear a beep to save the setting.



## Height Adjustment



Image 5.5: A person manually adjusting the height of the open power liftgate.

- **Anti-Pinch Protection:** If an obstruction is detected during closing, the tailgate will automatically reverse direction to prevent pinching.



## Intelligent Anti-pinch



Image 5.6: An illustration demonstrating the anti-pinch feature of the power liftgate, where the tailgate reverses upon detecting an obstruction.

- **Soft-Close Feature:** The system includes a soft-close mechanism for quiet and secure closing of the tailgate.
- **Memory Function:** The system remembers your preferred tailgate opening height.

## 6. MAINTENANCE

The EVFRONTIERX Power Liftgate System is designed for durability and minimal maintenance. Follow these guidelines to ensure optimal performance:

- **Regular Inspection:** Periodically check the power struts and wiring for any signs of wear, damage, or loose connections.
- **Cleaning:** Keep the tailgate area and sensor (if applicable) clean from dirt, debris, and ice, which could interfere with operation.
- **Lubrication:** No regular lubrication is required for the power struts.
- **Avoid Obstructions:** Do not place heavy objects on the tailgate when it is opening or closing, as this can strain the motor.

## 7. TROUBLESHOOTING

If you encounter issues with your power liftgate system, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Tailgate does not open/close	No power, loose connection, remote battery low, system error.	Check vehicle battery, inspect wiring connections, replace remote battery, try resetting the system by disconnecting and reconnecting vehicle battery (after consulting a professional).
Tailgate stops mid-operation	Obstruction detected, low voltage, motor overload.	Remove any obstructions, ensure vehicle battery is adequately charged. Do not force the tailgate.
Tailgate height not saving	Incorrect saving procedure.	Ensure you hold the tailgate close button until a confirmation beep is heard after setting the desired height.
Foot sensor not responding	Key fob out of range, sensor dirty/obstructed, incorrect kick motion.	Ensure key fob is nearby, clean sensor area, perform a quick, single kick motion under the center of the bumper.

If the problem persists after attempting these solutions, please contact EVFRONTIERX customer support or a qualified automotive technician.

## 8. SPECIFICATIONS

- **Product Type:** Power Liftgate System
- **Brand:** EVFRONTIERX
- **Compatibility:** Volkswagen VW Tiguan 2025
- **Material:** Metal components
- **Auto Part Position:** Rear Tailgate
- **Package Dimensions:** 32.28 x 8.26 x 6.97 inches
- **Package Weight:** 13.78 Pounds

## 9. WARRANTY AND SUPPORT

EVFRONTIERX stands behind the quality of its products. This Power Liftgate System comes with **1-Year**

**Warranty** from the date of purchase.

For technical assistance, troubleshooting not covered in this manual, or warranty claims, please contact EVFRONTIERX customer support. Our team is dedicated to providing hassle-free support and ensuring your satisfaction.

For more information, visit the official EVFRONTIERX website or contact your retailer.