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› EVFRONTIERX Power Liftgate Kit Instruction Manual for Toyota Camry XV80 (2024-2025) with Kick Sensor

EVFRONTIERX Toyota Camry XV80

EVFRONTIERX Power Liftgate Kit Instruction Manual for Toyota Camry XV80 (2024-2025) with Kick Sensor

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your EVFRONTIERX Power Liftgate Kit, designed for the Toyota Camry XV80 (2024-2025) with an optional kick sensor. Please read this manual thoroughly before installation and use to ensure proper function and safety.

Product Features:

- Automatic operation for opening and closing the tailgate.
- Adjustable height settings for the open tailgate.
- Obstacle detection and anti-pinch protection for enhanced safety.
- Memory function to store preferred tailgate height.
- One-touch opening/closing via various control modes.
- Soft-close feature for gentle and quiet operation.
- Remote control access using the original car key.
- Optional foot-activated kick sensor for hands-free operation.

What's in the Box:

- Control Box
- Struts (Left and Right)
- Connecting Wire Harness
- Front Button
- Rear Door Close Button
- Installation Manual
- Foot Sensor (if included in your package)



Image 1.1: Overview of all components included in the EVFRONTIERX Power Liftgate Kit.

2. SETUP AND INSTALLATION

The EVFRONTIERX Power Liftgate Kit is designed for integration with your vehicle's existing systems. Due to the complexity of automotive electrical and mechanical systems, **professional installation is strongly recommended** to ensure correct functionality and to prevent damage to your vehicle or the product. A detailed installation manual is provided within the package.

Key Installation Steps (General Overview):

1. **Preparation:** Ensure the vehicle is turned off and the battery is disconnected. Gather all necessary tools.
2. **Remove Original Components:** Carefully remove the original tailgate struts and any relevant trim panels.
3. **Install New Struts:** Mount the new electric struts in place of the original ones.
4. **Wiring:** Connect the control box and wiring harnesses according to the provided wiring diagram. This typically involves connecting to the vehicle's power, ground, and signal wires.
5. **Button Installation:** Install the front and rear control buttons in their designated locations.
6. **Foot Sensor Installation (if applicable):** Mount the kick sensor module and connect its wiring. Ensure the

sensor is positioned correctly for optimal detection.

7. **Testing and Adjustment:** Reconnect the battery and perform initial tests. Adjust the tailgate's opening height and verify all safety features are operational.

Installation Demo

— for reference only

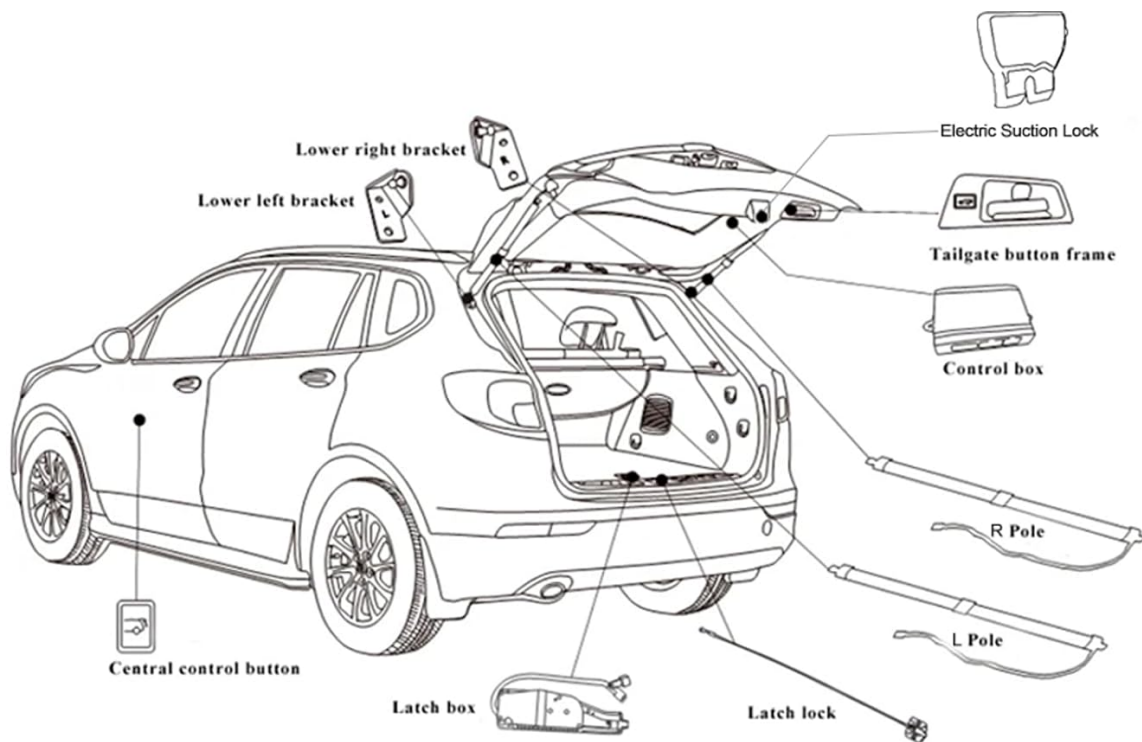


Image 2.1: General installation demo diagram showing component placement.

Foot Sensor



Image 2.2: Foot Sensor components.

3. OPERATING INSTRUCTIONS

The EVFRONTIERX Power Liftgate Kit offers multiple convenient ways to operate your vehicle's tailgate.

Control Modes:

- **Original Car Key Fob:** Press the tailgate unlock button on your car's remote control to open or close the tailgate.
- **Driver's Cab Button:** Use the dedicated button installed in the driver's cabin to operate the tailgate.
- **Tailgate Button:** Press the button located on the tailgate itself to open or close it.
- **Foot Gesture (Kick Sensor):** With the optional kick sensor installed, a simple foot gesture under the rear bumper will activate the tailgate.



Image 3.1: Operating the tailgate with the factory remote control.



Image 3.2: Operating the tailgate using the front button in the driver's cabin.



Image 3.3: Operating the tailgate using the rear button on the tailgate itself.



Image 3.4: Operating the tailgate with the foot sensor.

Height Adjustment:

To set a custom opening height for your tailgate:

1. Open the tailgate to your desired height.
2. Press and hold the tailgate close button until you hear a beep, indicating the height has been saved.
3. The tailgate will now open to this preset height each time.

Electric Tail Gate Lift, Easily to control your trunk



- Factory Remote Control
- Front & Rear Buttons
- Height Adjustment
- Intelligent Anti-Pinch
- Foot Sensor (optional)
- Voice Control (optional)

Image 3.7: Hands-free operation using the kick sensor.

Instructional Videos:

Video 3.1: Demonstration of how the Tailgate Foot Kick Sensor operates, showing a person activating the tailgate with a foot gesture.

Video 3.2: A detailed explanation and demonstration of the tailgate foot sensor functionality.

Video 3.3: Demonstration of an Electric Tailgate system. While this video features a Toyota Camry XV40 (2006-2012), the operational principles are similar to the XV80 model.

4. MAINTENANCE

To ensure the longevity and optimal performance of your EVFRONTIERX Power Liftgate Kit, follow these general maintenance guidelines:

- **Regular Cleaning:** Keep the tailgate area, especially around the struts and sensor, free from dirt, debris, and ice.
- **Inspect Connections:** Periodically check all wiring connections for looseness or corrosion.

- **Lubrication:** The electric struts are generally maintenance-free, but ensure no foreign objects impede their movement.
- **Avoid Excessive Force:** Do not manually force the tailgate open or closed against the electric system, as this can cause damage.
- **Professional Inspection:** If you notice any unusual noises, slow operation, or inconsistent behavior, consult with a professional installer or automotive technician.

5. TROUBLESHOOTING

If you encounter issues with your power liftgate, consider the following common troubleshooting steps:

Problem	Possible Cause	Solution
Tailgate does not open/close.	Power supply issue, loose connection, system error.	Check vehicle battery, inspect wiring connections, try resetting the system by disconnecting and reconnecting the vehicle battery (after consulting a professional).
Tailgate stops during operation.	Obstruction detected (anti-pinch activated).	Remove any obstructions. Ensure the path is clear.
Foot sensor not responding.	Incorrect foot gesture, sensor obstructed, sensor malfunction.	Ensure a quick, single kick motion under the sensor. Clear any debris around the sensor. Verify sensor wiring.
Unusual noise during operation.	Mechanical interference, strut issue.	Inspect the tailgate area for anything rubbing or catching. Contact professional support if noise persists.

If these steps do not resolve the issue, please contact EVFRONTIERX customer support or a qualified professional for assistance.

6. SPECIFICATIONS

Feature	Detail
Brand	EVFRONTIERX
Compatible Vehicle	Toyota Camry XV80 (2024-2025)
Material	Metal
Auto Part Position	Rear Tailgate
Package Dimensions	32.28 x 8.26 x 6.97 inches
Package Weight	13.78 Pounds

7. WARRANTY AND SUPPORT

EVFRONTIERX stands behind its products. Your Power Liftgate Kit comes with a **1-Year Warranty**. For any questions, technical assistance, or warranty claims, please contact EVFRONTIERX customer service. We are committed to providing hassle-free support and ensuring your satisfaction.