OceanicEcho OE-MZSC

OceanicEcho OE-MZSC Driving Hand Controls User Manual

Brand: OceanicEcho | Model: OE-MZSC

1. Introduction

The OceanicEcho OE-MZSC Driving Hand Controls are designed to provide an alternative method for operating vehicle pedals for drivers with mobility limitations. This device allows for one-handed control of both the brake and accelerator pedals in vehicles with automatic transmissions, including electric cars. Its adjustable design ensures a customized and secure fit for various users and vehicle types.

2. Safety Information

DANGER: Use of this product with adjustable accelerator and brake pedals may result in serious bodily injury, death, and/or property damage. Please read this manual carefully before installation and use.

- Ensure all components are securely fastened before driving.
- Verify that the device does not obstruct the steering wheel or any other vehicle controls.
- Practice using the hand controls in a safe, controlled environment before operating on public roads.
- Regularly inspect the device for any signs of wear or damage.

3. Package Contents

The OceanicEcho OE-MZSC Hand Controls package includes the following items:

- Main Hand Control Unit (pre-assembled)
- Pedal Clamps (for brake and accelerator)
- Connecting Rods (various lengths for adjustment)
- Allen Wrench

- Glue Nut
- Gasket
- Screws
- Safety Chain
- Velcro Straps



An overview of the OceanicEcho OE-MZSC hand controls, showing the main control unit, pedal clamps, connecting rods, and adjustment tools.



The hand controls can be installed to operate both brake and accelerator simultaneously, or either pedal individually. The image also displays the included Allen wrench, glue nut, gasket, and screw for assembly.

4. Setup & Installation

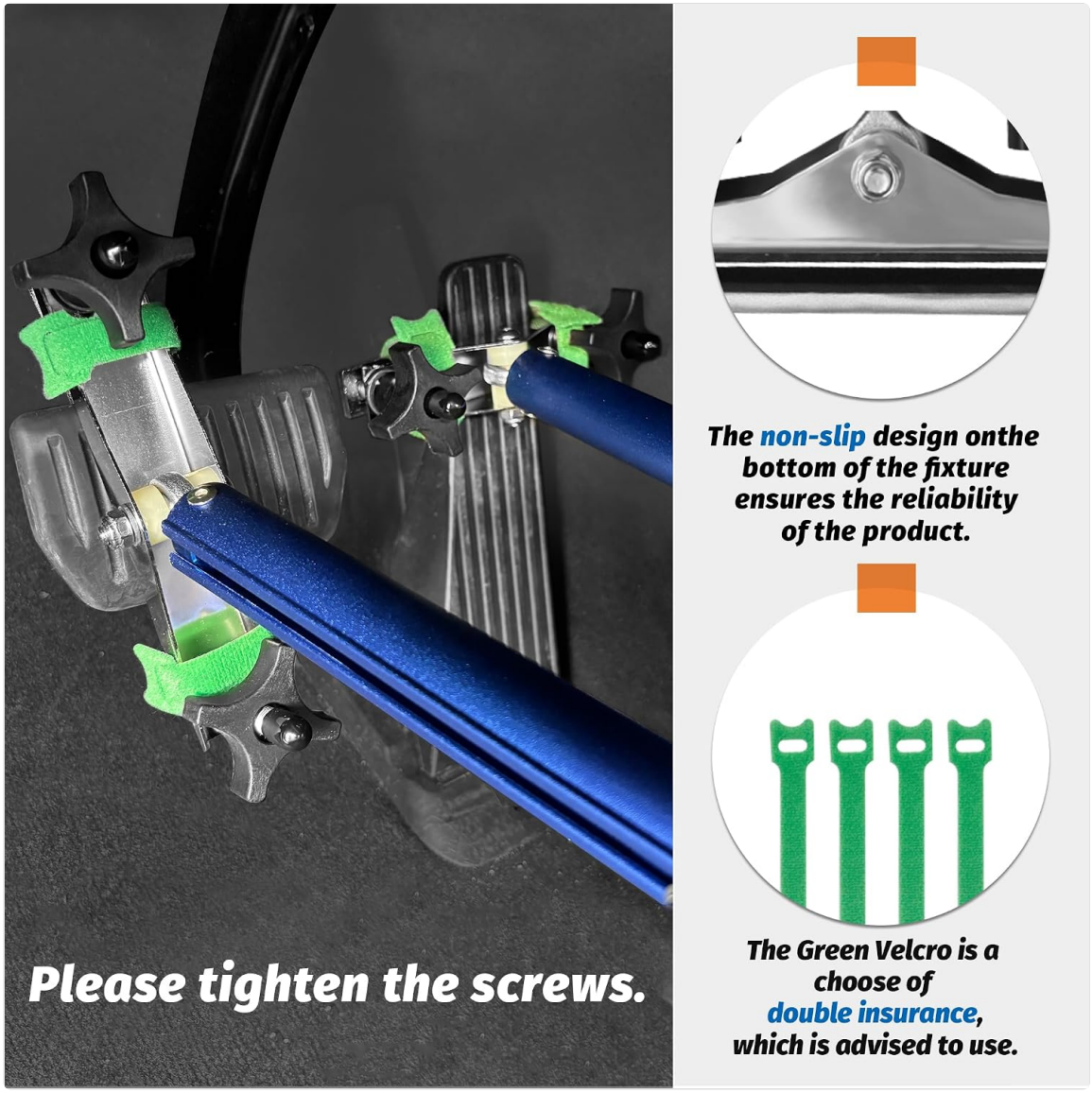
4.1. Unpacking and Component Identification

Carefully remove all components from the packaging. Each part is protected to ensure it arrives in perfect condition. Familiarize yourself with the different parts as outlined in Section 3.

This video provides a step-by-step guide on how to install the hand controls onto the vehicle's brake and accelerator pedals, demonstrating the secure fastening process.

4.2. Attaching Pedal Clamps

1. Position the metal grips of the hand control unit onto the vehicle's brake and accelerator pedals.
2. Ensure the rubberized textured pieces on the grips make firm contact with the pedals to prevent slipping.
3. Tighten the fastening screws on each side of the pedal clamps until they are secure. Ensure the clamps are firmly attached and do not move.
4. For added security, utilize the provided green Velcro straps to further stabilize the pedal clamps.



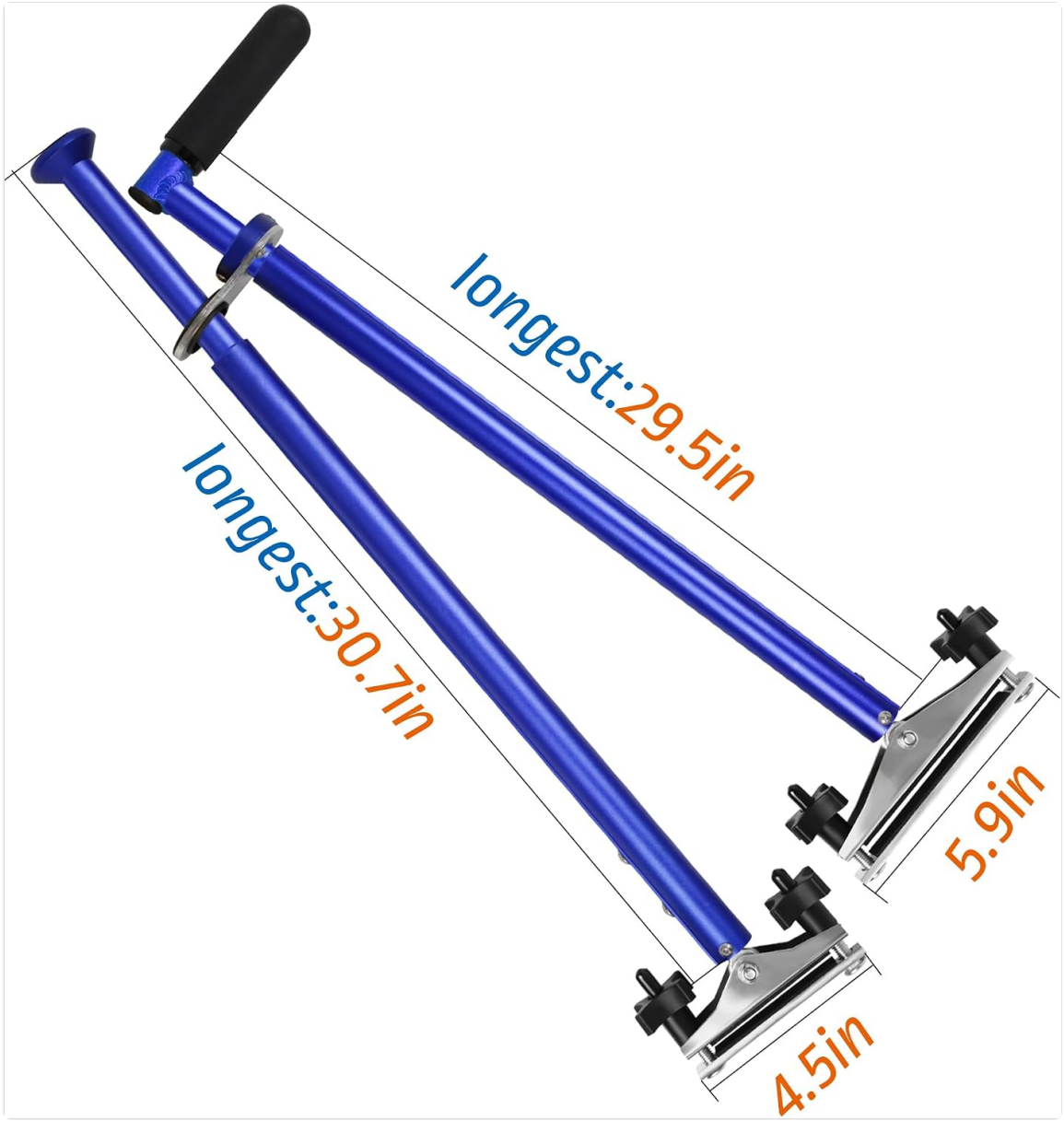
Detail of the pedal clamps, highlighting the non-slip rubberized surfaces and the tightening screws that ensure a secure attachment to the vehicle's pedals. Green Velcro straps are shown as an additional securing measure.

4.3. Adjusting Control Bar Length

1. Use the included Allen wrench to loosen the adjustment screws on the control bars.
2. Slide the accelerator and brake bars to your desired length. The accelerator handle can extend up to 30.7 inches, and the brake handle up to 29.5 inches.
3. Ensure the accelerator bar is slightly longer than the brake bar for optimal control.
4. Once the desired lengths are set, tighten the adjustment screws firmly with the Allen wrench to secure the bars in place.



This image demonstrates how to adjust the length of the accelerator and brake control bars using the provided Allen wrench for a customized fit.



This diagram illustrates the maximum adjustable lengths for the accelerator handle (up to 30.7 inches) and the brake handle (up to 29.5 inches), along with pedal clamp dimensions.

4.4. Securing the Unit and Final Checks

1. Ensure the hand control unit is positioned so that it does not interfere with the steering wheel's movement or any other vehicle controls.
2. Confirm that both left-handed and right-handed individuals can easily operate the controls without obstruction.
3. Perform a thorough inspection to ensure all connections are tight and the device is stable.

A detailed video illustrating the installation of the hand controls, including how to adjust the length of the control bars for optimal driver comfort and control.

5. Operating Instructions

The OceanicEcho OE-MZSC Hand Controls provide intuitive one-handed operation for both braking and acceleration.

- **Brake Operation:** To apply the brake, push the main handle of the control unit forward, towards the vehicle's dashboard.

- **Accelerator Operation:** To accelerate, pull the main handle of the control unit backward, towards the driver.



The hand controls are designed for versatile use, allowing both left-handed and right-handed individuals to operate them comfortably.

A practical demonstration of how to use the hand controls for driving, showcasing the intuitive control over the vehicle's pedals.

This short video demonstrates the basic push-pull operation of the OceanicEcho hand controls for engaging the brake and accelerator pedals.

6. Maintenance

To ensure the longevity and optimal performance of your OceanicEcho OE-MZSC Hand Controls, follow these maintenance guidelines:

- **Regular Inspection:** Periodically check all screws, knobs, and connecting rods for tightness. Re-tighten as necessary.
- **Cleaning:** Keep the device clean from dust, dirt, and debris. Use a soft, damp cloth for cleaning.
- **Lubrication:** Ensure moving parts operate smoothly. Apply a small amount of appropriate lubricant if any stiffness is observed.
- **Storage:** When not in use for extended periods, store the device in a clean, dry place.

7. Troubleshooting

If you encounter any issues with your OceanicEcho OE-MZSC Hand Controls, refer to the following common troubleshooting steps:

- **Pedals Not Engaging Correctly:** Check that the pedal clamps are securely tightened to the vehicle pedals. Ensure the connecting rods are properly adjusted for length and firmly attached.
- **Steering Obstruction:** If the hand control unit interferes with steering, re-adjust its position or the length of the control bars to ensure full range of motion for the steering wheel.
- **Loose Components:** Regularly inspect and tighten all screws and knobs to prevent loosening during use.

8. Specifications

Manufacturer	OceanicEcho
Model Number	OE-MZSC
Item Weight	3.21 pounds
Package Dimensions	17.4 x 7.83 x 2.83 inches
Accelerator Handle Length	Adjustable up to 30.7 inches
Brake Handle Length	Adjustable up to 29.5 inches
Material	Aluminum alloy and stainless steel
Compatibility	Most automatic transmission vehicles (including electric cars)

9. Warranty & Support

OceanicEcho is committed to providing high-quality products and excellent customer service. Our professional after-sales team is available to respond quickly and efficiently to any issues you may encounter, ensuring you receive timely and expert support.
For warranty claims, technical assistance, or any product-related inquiries, please contact our customer support team via the contact information provided on your purchase receipt or our official website.